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SEVERN TRENT STL

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ANALYTICAL REPORT

PROJECT NO. 100.58.15

EMD-OH
SDG #: 4C30268

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth
Project Manager

April 22, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE
SDG 4C30268

The following report contains the analytical results for sixteen water samples and three quality control samples submitted to STL North Canton by The Payne Firm, Inc. from the EMD-OH Site, project number 100.58.15. The samples were received March 30, 2004, March 31, 2004 and April 01, 2004, according to documented sample acceptance procedures.

This SDG consists of three (3) laboratory ID's: A4C300268, A4C310291 and A4D010333.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Angela Hurley on April 16, 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.

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 coolers upon sample receipt was 2.3, 3.6, 1.3 and 5.7°C.

See STL's Cooler Receipt Form for additional information.

GC/MS VOLATILES

Sample MW31C/032904 had elevated reporting limits due to TICs.

The matrix spike/matrix spike duplicate(s) for MW44/032904 and MW-8/033104 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.

CASE NARRATIVE (continued)

GC/MS VOLATILES (continued)

The matrix spike/matrix spike duplicate(s) for batch(es) 4103342 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The pH of the sample MW-11A/033004 was greater than 2. The sample(s) was analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

GC/MS SEMIVOLATILES

The matrix spike/matrix spike duplicate(s) for MW44/032904 had RPD's and recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The matrix spike/matrix spike duplicate(s) for batch(es) 4097208 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The LCS and/or LCSD in batch 4091574, associated with samples MW24/032904, MW31D/032904, MW-18/033004 had surrogate recoveries outside acceptance criteria. Due to insufficient sample volume, repreparation and reanalysis could not occur.

The re-extract for sample MW504/033004 had elevated reporting limits due to limited initial sample volume.

Sample P-1/033004 had surrogate recoveries outside of acceptance criteria due to demonstrated matrix interference.

LCS in batch 4091574 was recovered low and outside of criteria. The associated samples MW44/032904, MW504/033004, MW-43A/033004, MW-18/033004and P-1/033004 in the batch were re-extracted outside holding times. Both sets of data are reported.

Due to a laboratory accident, an MS/MSD was not provided for batch 40092175.

METALS

The analytical results met the requirements of the laboratory's QA/QC program.

CASE NARRATIVE (continued)

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

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

QC BATCH

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

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

LABORATORY CONTROL SAMPLE

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

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

METHOD BLANK

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

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

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

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

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

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

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

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

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

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

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

SURROGATE COMPOUNDS

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

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

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

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

STL North Canton Certifications and Approvals:

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

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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A4C300268

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW44/032904 03/29/04 10:48 001				
Nickel - DISSOLVED	0.064	0.040	mg/L	SW846 6010B
Chromium	0.013	0.0050	mg/L	SW846 6010B
Nickel	0.050	0.040	mg/L	SW846 6010B
Total Suspended Solids	76	4.0	mg/L	MCAWW 160.2
MW31D/032904 03/29/04 15:25 003				
1,2-Dichloroethane	15	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	6.4	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	7.2	2.0	ug/L	SW846 8260B
1,4-Dioxane	200	200	ug/L	SW846 8260B
Total Suspended Solids	32	4.0	mg/L	MCAWW 160.2
MW31A/032904 03/29/04 15:07 004				
Arsenic - DISSOLVED	0.018	0.010	mg/L	SW846 6010B
Arsenic	0.030	0.010	mg/L	SW846 6010B
Chromium	0.012	0.0050	mg/L	SW846 6010B
Benzene	43	29	ug/L	SW846 8260B
1,2-Dichloroethane	69	29	ug/L	SW846 8260B
cis-1,2-Dichloroethene	770	29	ug/L	SW846 8260B
1,2-Dichloroethene (total)	790	57	ug/L	SW846 8260B
1,4-Dioxane	7300	5700	ug/L	SW846 8260B
Isobutanol	1600	1400	ug/L	SW846 8260B
Trichloroethene	330	29	ug/L	SW846 8260B
Vinyl chloride	240	29	ug/L	SW846 8260B
Total Suspended Solids	20	4.0	mg/L	MCAWW 160.2
MW30/032904 03/29/04 14:15 005				
Chromium	0.026	0.0050	mg/L	SW846 6010B
cis-1,2-Dichloroethene	1.0	1.0	ug/L	SW846 8260B
Trichloroethene	5.7	1.0	ug/L	SW846 8260B
Total Suspended Solids	97	4.0	mg/L	MCAWW 160.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4C300268

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW15B/032904 03/29/04 10:40 006				
Chromium	0.0077	0.0050	mg/L	SW846 6010B
MW31C/032904 03/29/04 15:35 007				
Chromium	0.0072	0.0050	mg/L	SW846 6010B
1,2-Dichloroethane	45	40	ug/L	SW846 8260B
1,4-Dioxane	12000	8000	ug/L	SW846 8260B
Methylene chloride	99	40	ug/L	SW846 8260B
Total Suspended Solids	320	4.0	mg/L	MCAWW 160.2
DUP01/032904 03/29/04 009				
Nickel - DISSOLVED	0.061	0.040	mg/L	SW846 6010B
Chromium	0.0089	0.0050	mg/L	SW846 6010B
Nickel	0.059	0.040	mg/L	SW846 6010B
Total Suspended Solids	70	4.0	mg/L	MCAWW 160.2

EXECUTIVE SUMMARY - Detection Highlights

A4C310291

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TRIP BLANK 03/30/04 001				
Methylene chloride	1.1	1.0	ug/L	SW846 8260B
MW504/033004 03/30/04 12:45 003				
Total Suspended Solids	7.0	4.0	mg/L	MCAWW 160.2
MW-43A/033004 03/30/04 10:28 005				
Chromium	0.0058	0.0050	mg/L	SW846 6010B
Total Suspended Solids	18	4.0	mg/L	MCAWW 160.2
MW-18/033004 03/30/04 10:00 006				
Chromium	0.019	0.0050	mg/L	SW846 6010B
Chloroform	7.2	1.0	ug/L	SW846 8260B
Total Suspended Solids	110	4.0	mg/L	MCAWW 160.2
P-1/033004 03/30/04 08:52 007				
Chromium	0.0076	0.0050	mg/L	SW846 6010B
1,1-Dichloroethane	14	6.7	ug/L	SW846 8260B
1,2-Dichloroethane	60	6.7	ug/L	SW846 8260B
cis-1,2-Dichloroethene	75	6.7	ug/L	SW846 8260B
trans-1,2-Dichloroethene	12	6.7	ug/L	SW846 8260B
1,2-Dichloroethene (total)	87	13	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	22	6.7	ug/L	SW846 8260B
Tetrachloroethene	20	6.7	ug/L	SW846 8260B
1,1,1-Trichloroethane	6.8	6.7	ug/L	SW846 8260B
Trichloroethene	210	6.7	ug/L	SW846 8260B

EXECUTIVE SUMMARY - Detection Highlights

A4D010333

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-8/033104 03/31/04 10:55 002				
Arsenic	0.077	0.010	mg/L	SW846 6010B
Chromium	0.0096	0.0050	mg/L	SW846 6010B
cis-1,2-Dichloroethene	360	10	ug/L	SW846 8260B
1,2-Dichloroethene (total)	360	20	ug/L	SW846 8260B
Vinyl chloride	170	10	ug/L	SW846 8260B
Total Suspended Solids	140	4.0	mg/L	MCAWW 160.2
MW-23/033104 03/31/04 10:00 003				
Arsenic	0.012	0.010	mg/L	SW846 6010B
Chromium	0.014	0.0050	mg/L	SW846 6010B
Benzene	9.0	1.0	ug/L	SW846 8260B
Chloroethane	5.3	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	10	1.0	ug/L	SW846 8260B
1,4-Dioxane	540	200	ug/L	SW846 8260B
Vinyl chloride	1.3	1.0	ug/L	SW846 8260B
Total Suspended Solids	25	4.0	mg/L	MCAWW 160.2

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4C300268

PARAMETER	ANALYTICAL METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Non-Filterable Residue (TSS)	MCAWW 160.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

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

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

ANALYTICAL METHODS SUMMARY

A4C310291

PARAMETER	ANALYTICAL METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Non-Filterable Residue (TSS)	MCAWW 160.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

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

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

ANALYTICAL METHODS SUMMARY

A4D010333

PARAMETER	ANALYTICAL METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Non-Filterable Residue (TSS)	MCAWW 160.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

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

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

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A4C300268

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GC7F2	001	MW44/032904	03/29/04	10:48
GC7GH	002	MW24/032904	03/29/04	10:20
GC7GK	003	MW31D/032904	03/29/04	15:25
GC7GL	004	MW31A/032904	03/29/04	15:07
GC7GM	005	MW30/032904	03/29/04	14:15
GC7GN	006	MW15B/032904	03/29/04	10:40
GC7GP	007	MW31C/032904	03/29/04	15:35
GC7GR	008	TRIP BLANK	03/29/04	
GC7GV	009	DUP01/032904	03/29/04	

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.

SAMPLE SUMMARY

A4C310291

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GC9WW	001	TRIP BLANK	03/30/04	
GC9W5	002	FB02/033004	03/30/04	12:50
GC9W7	003	MW504/033004	03/30/04	12:45
GC9W9	004	MW-11A/033004	03/30/04	11:50
GC9XC	005	MW-43A/033004	03/30/04	10:28
GC9XE	006	MW-18/033004	03/30/04	10:00
GC9XG	007	P-1/033004	03/30/04	08:52

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.

SAMPLE SUMMARY

A4D010333

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GDDL6	001	TRIP BLANK	03/31/04	
GDDMJ	002	MW-8/033104	03/31/04	10:55
GDDMN	003	MW-23/033104	03/31/04	10:00

NOTE(S):

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

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

22

TL-4124 (0901)

Client: The Payne Firm	Project Manager: Dan Weed / Results to Angela Hurley	Date: 3/29/04	Chain of Custody Number: 163610
Address: 11231 Cornell Park Dr	Telephone Number (Area Code)/Fax Number: 513-489-2255 / 513-489-2533	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45242	Site Contact: M. Berkhem	Lab Contact: Roger Toth	
Project Name and Location (State): EMO - OH	Carrier/Waybill Number: Fed Ex		
Contract/Purchase Order/Quote No.: 100.58.15			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC	SVOC	Dissolved Metals*	Total Metals*	T.S.S.	Special Instructions/ Conditions of Receipt
MW44/032904/MS/MSD	3/29/04	10:48		X			9		6	9			X	X	X	X	X	Attn. Roger Toth
MW24/032904	3/29/04	10:20					3		2	3								
MW31D/032904	3/29/04	15:25					3		2	3								*Arsenic, Chromium, Nickel for metals only.
MW31A/032904	3/29/04	15:07					3		2	3								
MW30/032904	3/29/04	14:15					3		2	3								
MW15B/032904	3/29/04	1040					3		2	3								
MW31C/032904	3/29/04	15:35					3		2	3								SVOC & VOC
Trip Blank	—	—								2			X					Ap IX List
																		Std. Turn
																		Results to
																		Angela Hurley

3-29-04

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

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

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

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Dan Hanson	3/29/04	1744	1. Received By: James Andrews	3/30/04	10:15
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

STL North Canton

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	THE PAYNE FIRM INC
Project Manager	DAN WEED / RESULTS TO ANGELA HURLEY
Date	3/30/04
Chain of Custody Number	163613
Address	11231 CORNELL PK DR
Telephone Number (Area Code)/Fax Number	513-489-2255 / 513-489-2533
Lab Number	
Page	1 of 1
City	CIN
State	OH
Zip Code	45248
Site Contact	M. BECKER
Lab Contact	ROGER TOTH
Project Name and Location (State)	EMD-OH
Carrier/Waybill Number	FED-EX
Contract/Purchase Order/Quote No.	100.58.15

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC	SVOC	Dissolved Metals	Total Metals	TSS	Special Instructions/ Conditions of Receipt
TRIP BLANK	3/30/04	—		X						X			X					ATT: ROGER TOTH
FB02 / 033004	3/30/04	1250		X						3								
MW 504 / 033004	3/30/04	1245		X			X							X			X	* METALS INCLUDE:
MW-11A / 033004	3/30/04	1150		X						3			X					ARSENIC, CHROMIUM
MW-43A / 033004	3/30/04	1028		X			3		2	3			X	X	X	X	X	& NICKEL ONLY
MW-18 / 033004	3/30/04	1000		X			2		2	3			X	X	X	X	X	
P-1 / 033004	3/30/04	0852		X			3		2	3			X	X	X	X	X	MW-18 AND MW-504
																		HAVE 1 LAB FOR SVOC ONLY
																		VOC & SVOC
																		AP. IX LIST

ESC 3/30/04

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

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

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

QC Requirements (Specify): Level 4

	Date	Time		Date	Time
1. Relinquished By	3/30/04		1. Received By: Sarah Barnes	3-30-04	1:55
2. Relinquished By: Sarah Barnes	3-30-04	1:55	2. Received By	3-31-04	0910
3. Relinquished By			3. Received By		

Comments

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

STL North Canton

23

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	THE PAYNE FIRM, INC.
Address	11231 CORNELL PARK DR.
City	CINTI.
State	OH.
Zip Code	45242
Project Manager	DAN WEED
Telephone Number (Area Code)/Fax Number	(513) 489-2255
Site Contact	M. BECKHERN
Lab Contact	R. TOTH
Project Name and Location (State)	EMD - OH.
Carrier/Waybill Number	FED EX
Contract/Purchase Order/Quote No.	100.58.15
Date	3/31/04
Lab Number	
Chain of Custody Number	122013
Page	1 of 1

Analysis (Attach list if more space is needed)

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	SVOC	Dissolved Metals*	T METALS*	TSS	Special Instructions/ Conditions of Receipt
TRIP BLANK	—	—		X						2			X					* Arsenic, Chromium, and Nickel
MW-8/033104	3/31/04	1055		X			3		2	3			X	X	X	X	X	
MW-23/033104	3/31/04	1000		X			3		2	3			X	X	X	X	X	
																		Results to Angela Hurley and Dan Weed.
		JMH		3/31/04														Stand. Turn
																		VOC and SVOC Ap. IX List.

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)

	Date	Time		Date	Time
1. Relinquished By: Sam Hari	3/31/04	1630	1. Received By: Anne Sanders	4/1/04	945
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

STL North Canton

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 5670

Lot #: A4C300268

Case Number/SDG: 100.58.15

Storage Location: C23 S62 MS/MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GC7F2	EZZOL	3/30/04	Yes		Storage	
GC7GH	EZZOL	3/30/04	Yes		Storage	
GC7GK	EZZOL	3/30/04	Yes		Storage	
GC7GL	EZZOL	3/30/04	Yes		Storage	
GC7GM	EZZOL	3/30/04	Yes		Storage	
GC7GN	EZZOL	3/30/04	Yes		Storage	
GC7GP	EZZOL	3/30/04	Yes		Storage	
GC7GR	EZZOL	3/30/04	Yes		Storage	
GC7GV	EZZOL	3/30/04	Yes		Storage	

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 5670

Lot #: A4C310291

Case Number/SDG: 100.58.15

Storage Location: C34/C34 S64 MS/MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GC9WW	EARLES	3/31/04	Yes		Storage	
GC9W5	EARLES	3/31/04	Yes		Storage	
GC9W7	EARLES	3/31/04	Yes		Storage	
GC9W9	EARLES	3/31/04	Yes		Storage	
GC9XC	EARLES	3/31/04	Yes		Storage	
GC9XE	EARLES	3/31/04	Yes		Storage	
GC9XG	EARLES	3/31/04	Yes		Storage	

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 5670

Lot #: A4D010333

Case Number/SDG: 100.58.15

Storage Location: C44 S71 MS/MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GDDL6	EARLES	4/01/04	Yes		Storage	
GDDMJ	EARLES	4/01/04	Yes		Storage	
GDDMN	EARLES	4/01/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A4C300268

North Canton Facility

Client: The Payne Project: EMD-OH Quote#: 5791A

Cooler Received on: 3/30/04 Opened on: 3/30/04 by: [signature] (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ Airborne ☐ FAS ☐ Other:_____

Cooler ☑ Safe ☐ Foam Box ☐ Client Cooler ☐ Other:_____

STL Cooler No#: See Back

1. Were custody seals on the outside of the cooler? Yes ☑ No ☐ Intact? Yes ☑ No ☐ NA ☐
   If YES, Quantity 4 (2 per cooler)
   Were the custody seals signed and dated? Yes ☑ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☑ No ☐ NA ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used:

Peanuts ☐ Bubble Wrap ☑ Vermiculite ☐ Foam ☐ None ☐ Other :_____

6. Cooler temperature upon receipt _____ °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. Did all bottle labels and tags agree with the custody papers? Yes ☐ No ☑
9. Were samples at the correct pH? (record 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. Was a sufficient amount of sample sent in each bottle? Yes ☐ No ☑

Contacted PM RKT Date: 3/30/04 by: lde via Voice Mail ☐ Verbal ☑ Other ☐

Concerning: SR1A

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
✓	SR1A	The chain of custody and sample bottles did not agree. The following discrepancies occurred Rec'd DUP 01/032904 – not on COC 2L/3x250/3 VV – will log for all tests listed on COC 3/30/04
2. SAMPLE CONDITION		
	SR2A	Sample(s)_____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) were received with insufficient volume.
	SR2C	Sample(s) were received in a broken container.
3. SAMPLE PRESERVATION		
	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #120503-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # 111401-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 112801-CH3COO2ZN/NaOH*
	SR3B	Sample(s)_____ were received with bubble > 6 mm in diameter (cc: PM)
4. Other (see below or back)		
		~~Big 14 day TAT for past~~ 3/30/04

SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIV\STL\Cooler Receipt STL\COOLER_STL_Rev35 032504.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
MW-44	<2 <2	3/30/04	AMS
24	<2 <2		
31D	<2 <2		
31A	<2 <2		
30	<2 <2		
15B	<2 <2		
31C	<2 <2		

Cooler	Temp	Method	Coolant
B111	2.3	IR	WET ICE
E103	3.0		

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

STL Cooler Receipt Form/Narrative **Lot Number:** A4C310291

North Canton Facility

Client: The Payne Firm Project: _____ Quote#: _____

Cooler Received on: 3/31/04 Opened on: 3/31/04 by: Linnes Anderson (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ Airborne ☑ FAS ☐ Other: _____

Cooler ☑ Safe ☐ Foam Box ☐ Client Cooler ☐ Other: _____

STL Cooler No#: 5101

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. Were custody papers included inside the cooler and relinquished? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used:

Peanuts ☐ Bubble Wrap ☑ Vermiculite ☐ Foam ☑ None ☐ Other: _____

6. Cooler temperature upon receipt 1.3 °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. Did all bottle labels and tags agree with the custody papers? Yes ☑ No ☐
9. Were samples at the correct pH? (record 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. Was a sufficient amount of sample sent in each bottle? Yes ☑ No ☐

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

Concerning: _____

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
	SR1A	The chain of custody and sample bottles did not agree. The following discrepancies occurred F3-02 not marked for test. logged for voc (received 3 x40) MW-509 voc = 1 liter - received 2 liters, 1 is half full
2. SAMPLE CONDITION		
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) were received with insufficient volume.
	SR2C	Sample(s) were received in a broken container.
3. SAMPLE PRESERVATION		
	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #120503-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # 111401-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 112801-CH3COO2ZN/NaOH*
	SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
4. Other (see below or back)		

SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIV\STL\Cooler Receipt STL\COOLER_STL_Rev35 032504.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
MW-4BA	<2 <2	3/31/04	AMD
MW-18	<2 <2		
P-1	<2 <2		

Cooler	Temp	Method	Coolant

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

STL Cooler Receipt Form/Narrative

Lot Number: A4D610333

North Canton Facility

Client: the Payne Project: EMD-OH Quote#:
Cooler Received on: 4-1-04 Opened on: 4-1-04 by: Anne Sandus (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ Airborne ☐ FAS ☐ Other:_____
Cooler ☐ Safe ☐ Foam Box ☐ Client Cooler ☐ Other:_____
STL Cooler No#: 4104

1. Were custody seals on the outside of the cooler? Yes ☑ No ☐ Intact? Yes ☑ No ☐ NA ☐
   If YES, Quantity 2
   Were the custody seals signed and dated? Yes ☑ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☑ No ☐ NA ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used:
   Peanuts ☐ Bubble Wrap ☑ Vermiculite ☐ Foam ☐ None ☑ Other :_____
6. Cooler temperature upon receipt 5.7 °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. Did all bottle labels and tags agree with the custody papers? Yes ☐ No ☑
9. Were samples at the correct pH? (record 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. Was a sufficient amount of sample sent in each bottle? Yes ☑ No ☐

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

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
✓	SR1A	The chain of custody and sample bottles did not agree. The following discrepancies occurred ~~Triplank vials are not labeled~~ OPE
2. SAMPLE CONDITION		
	SR2A	Sample(s)_____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) were received with insufficient volume.
	SR2C	Sample(s) were received in a broken container.
3. SAMPLE PRESERVATION		
	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #120503-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # 111401-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 112801-CH3COO2ZN/NaOH*
	SR3B	Sample(s)_____ were received with bubble > 6 mm in diameter (cc: PM)
4. Other (see below or back)		

SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIV\STL\Cooler Receipt STL\COOLER_STL_Rev35 032504.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
MW-8	<2<2	4-1-04	AMS
I-23	<2<2	I	I

Cooler	Temp	Method	Coolant

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

SEVERN TRENT STL

GCMS VOLATILE DATA

SEVERN TRENT STL

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C310291

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	103	96	92	76	00
02	TRIP BLANK	109	102	94	79	00
03	FB02/033004	108	101	95	80	00
04	MW-11A/033004	109	101	94	76	00
05	MW-43A/033004	105	99	96	79	00
06	MW-18/033004	107	98	92	78	00
07	P-1/033004	102	106	96	78	00
08	METHOD BLK. GD05V1AA	106	96	94	82	00
09	LCS GD05V1AC	102	101	94	86	00
10	LAB MS/MSD D	102	103	98	88	00
11	LCSD GD05V1AD	101	100	97	88	00
12	LAB MS/MSD S	104	102	97	91	00

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

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

FORM II

SW846 8260B SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C300268

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MW44/032904	108	98	100	96	00
02	MW24/032904	111	103	98	100	00
03	MW31D/032904	109	102	102	97	00
04	MW31A/032904	106	101	102	99	00
05	MW30/032904	115	103	99	97	00
06	MW15B/032904	110	101	100	98	00
07	MW31C/032904	115	105	102	100	00
08	TRIP BLANK	112	104	99	98	00
09	DUP01/032904	114	103	100	98	00
10	METHOD BLK. GDNMA1AA	108	98	102	101	00
11	LCS GDNMA1AC	106	95	103	104	00
12	MW44/032904 D	109	95	102	102	00
13	LCSD GDNMA1AD	110	97	101	101	00
14	MW44/032904 S	106	97	103	105	00

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

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

FORM II

SW846 8260B SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4D010333

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	TRIP BLANK	101	93	89	86	00
02	MW-8/033104	101	93	90	83	00
03	MW-23/033104	99	93	92	92	00
04	METHOD BLK. GDQW21AA	101	94	89	89	00
05	LCS GDQW21AC	101	91	91	97	00
06	MW-8/033104 D	102	96	93	99	00
07	LCSD GDQW21AD	99	94	92	95	00
08	MW-8/033104 S	100	99	91	98	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: 4C30268

Lot #: A4D120000 WO #: GD05V1AC
BATCH: 4103342

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.9	99	63- 130	
Trichloroethene	10	10	103	75- 122	
Benzene	10	10	103	80- 116	
Toluene	10	10	103	74- 119	
Chlorobenzene	10	10	102	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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: 4C30268

Lot #: A4D120000 WO #: GD05V1AD
BATCH: 4103342

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	106	63- 130	
Trichloroethene	10	11	107	75- 122	
Benzene	10	11	105	80- 116	
Toluene	10	11	106	74- 119	
Chlorobenzene	10	11	107	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4D070000 WO #: GDNMA1AC
BATCH: 4098187

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.3	93	63 - 130	
Trichloroethene	10	9.2	92	75 - 122	
Benzene	10	9.2	92	80 - 116	
Toluene	10	9.5	95	74 - 119	
Chlorobenzene	10	9.3	93	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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: 4C30268

Lot #: A4D070000 WO #: GDNMA1AD
BATCH: 4098187

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.5	95	63- 130	
Trichloroethene	10	9.8	98	75- 122	
Benzene	10	9.8	98	80- 116	
Toluene	10	9.6	96	74- 119	
Chlorobenzene	10	9.7	97	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4D080000 WO #: GDQW21AC
BATCH: 4099202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	111	63- 130	
Trichloroethene	10	9.7	97	75- 122	
Benzene	10	9.8	98	80- 116	
Toluene	10	9.2	92	74- 119	
Chlorobenzene	10	9.7	97	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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: 4C30268

Lot #: A4D080000 WO #: GDQW21AD
BATCH: 4099202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	112	63- 130	
Trichloroethene	10	9.4	94	75- 122	
Benzene	10	9.4	94	80- 116	
Toluene	10	9.0	90	74- 119	
Chlorobenzene	10	9.5	95	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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: 4C30268

Matrix Spike ID: LAB MS/MSD

Lot #: A4C310284 WO #: GC9WD1A0
BATCH: 4103342

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	330	ND	360	108	62 - 130	
Trichloroethene	330	390	760	109	62 - 130	
Benzene	330	ND	370	110	78 - 118	
Toluene	330	ND	360	107	70 - 119	
Chlorobenzene	330	ND	360	108	76 - 117	

NOTES(S):

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: 0 out of 5 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: 4C30268

Matrix Spike ID: LAB MS/MSD

Lot #: A4C310284 WO #: GC9WD1A1
BATCH: 4103342

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	330	360	107	0.48	20	62 - 130	
Trichloroethene	330	760	112	1.2	20	62 - 130	
Benzene	330	340	102	7.1	20	78 - 118	
Toluene	330	340	102	5.1	20	70 - 119	
Chlorobenzene	330	340	103	4.8	20	76 - 117	

NOTES(S):

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

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 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: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21AC
BATCH: 4098187

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10	ND	9.5	95	62- 130	
Trichloroethene	10	ND	9.1	91	62- 130	
Benzene	10	ND	9.5	95	78- 118	
Toluene	10	ND	9.7	97	70- 119	
Chlorobenzene	10	ND	9.5	95	76- 117	

NOTES(S):

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: 0 out of 5 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: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21AD
BATCH: 4098187

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.4	94	0.45	20	62 - 130	
Trichloroethene	10	9.7	97	6.1	20	62 - 130	
Benzene	10	9.8	98	3.6	20	78 - 118	
Toluene	10	9.8	98	0.58	20	70 - 119	
Chlorobenzene	10	9.7	97	1.9	20	76 - 117	

NOTES(S):

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

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 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: 4C30268

Matrix Spike ID: MW-8/033104

Lot #: A4D010333 WO #: GDDMJ1AN
BATCH: 4099202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	100	ND	95	95	62 - 130	
Trichloroethene	100	ND	91	91	62 - 130	
Benzene	100	ND	100	94	78 - 118	
Toluene	100	ND	85	85	70 - 119	
Chlorobenzene	100	ND	95	91	76 - 117	

NOTES(S):

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: 0 out of 5 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: 4C30268

Matrix Spike ID: MW-8/033104

Lot #: A4D010333 WO #: GDDMJ1AP
BATCH: 4099202

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	100	110	109	14	20	62- 130	
Trichloroethene	100	91	91	0.59	20	62- 130	
Benzene	100	100	94	0.34	20	78- 118	
Toluene	100	88	88	3.4	20	70- 119	
Chlorobenzene	100	94	90	0.98	20	76- 117	

NOTES(S):

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

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

GD05V1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4C30268

Lab File ID: UX74658.D

Lot Number: A4C310291

Date Analyzed: 04/09/04

Time Analyzed: 10:55

Matrix: WATER

Date Extracted:04/09/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX7

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	GC9WD1AA	UX74665.D	04/09/04	13:42
02	LAB MS/MSD	GC9WD1A0 S	UX74666.D	04/09/04	14:05
03	LAB MS/MSD	GC9WD1A1 D	UX74667.D	04/09/04	14:29
04	TRIP BLANK	GC9WW1AA	UX74668.D	04/09/04	14:53
05	FB02/033004	GC9W51AA	UX74669.D	04/09/04	15:17
06	MW-11A/033004	GC9W91AA	UX74670.D	04/09/04	15:40
07	MW-43A/033004	GC9XC1AA	UX74671.D	04/09/04	16:04
08	MW-18/033004	GC9XE1AA	UX74672.D	04/09/04	16:27
09	P-1/033004	GC9XG1AA	UX74673.D	04/09/04	16:51
10	CHECK SAMPLE	GD05V1AC C	UX74656.D	04/09/04	10:07
11	DUPLICATE CHECK	GD05V1AD L	UX74657.D	04/09/04	10:31
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

GDNMA1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4C30268

Lab File ID: UXX7014.D

Lot Number: A4C300268

Date Analyzed: 04/06/04

Time Analyzed: 19:45

Matrix: WATER

Date Extracted:04/06/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX10

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW44/032904	GC7F21AA	UXX7015.D	04/06/04	20:08
02	MW44/032904	GC7F21AC S	UXX7016.D	04/06/04	20:31
03	MW44/032904	GC7F21AD D	UXX7017.D	04/06/04	20:54
04	MW24/032904	GC7GH1AF	UXX7018.D	04/06/04	21:17
05	MW31D/032904	GC7GK1AF	UXX7019.D	04/06/04	21:40
06	MW31A/032904	GC7GL1AF	UXX7020.D	04/06/04	22:03
07	MW30/032904	GC7GM1AF	UXX7021.D	04/06/04	22:26
08	MW15B/032904	GC7GN1AF	UXX7022.D	04/06/04	22:50
09	MW31C/032904	GC7GP1AF	UXX7023.D	04/06/04	23:12
10	TRIP BLANK	GC7GR1AA	UXX7024.D	04/06/04	23:35
11	DUP01/032904	GC7GV1AF	UXX7025.D	04/06/04	23:58
12	CHECK SAMPLE	GDNMA1AC C	UXX7012.D	04/06/04	18:59
13	DUPLICATE CHECK	GDNMA1AD L	UXX7013.D	04/06/04	19:22
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

GDQW21AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4C30268

Lab File ID: UXJ19631.

Lot Number: A4D010333

Date Analyzed: 04/07/04

Time Analyzed: 23:01

Matrix: WATER

Date Extracted:04/07/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX11

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	TRIP BLANK	GDDL61AA	UXJ19649.	04/08/04	06:01
02	MW-8/033104	GDDMJ1AA	UXJ19650.	04/08/04	06:24
03	MW-8/033104	GDDMJ1AN S	UXJ19651.	04/08/04	06:48
04	MW-8/033104	GDDMJ1AP D	UXJ19652.	04/08/04	07:11
05	MW-23/033104	GDDMN1AA	UXJ19653.	04/08/04	07:34
06	CHECK SAMPLE	GDQW21AC C	UXJ19629.	04/07/04	22:14
07	DUPLICATE CHECK	GDQW21AD L	UXJ19630.	04/07/04	22:37
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COMMENTS:

FORM IV

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: BFB192 BFB Injection Date: 03/12/04

Instrument ID: A3UX7 BFB Injection Time: 1048

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	46.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	50.0 - 100.0% of mass 95	89.3
175	5.0 - 9.0% of mass 174	6.0 (6.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	86.4 (96.7)1
177	5.0 - 9.0% of mass 176	6.0 (6.9)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5.0NG8260CAL	UX74110	03/12/04	1113
02	VSTD002	10NG8260CAL	UX74111	03/12/04	1137
03	VSTD005	25NG8260CAL	UX74112	03/12/04	1201
04	VSTD010	50NG8260CAL	UX74113	03/12/04	1224
05	VSTD020	100NG8260CAL	UX74114	03/12/04	1248
06	VSTD040	200NG8260CAL	UX74115	03/12/04	1311
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5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: BFB193 BFB Injection Date: 03/15/04

Instrument ID: A3UX7 BFB Injection Time: 0727

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	46.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	50.0 - 100.0% of mass 95	84.3
175	5.0 - 9.0% of mass 174	6.1 (7.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	82.3 (97.6)1
177	5.0 - 9.0% of mass 176	5.2 (6.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5.0NGA9CAL	UX74138	03/15/04	0810
02	VSTD002	10NGA9CAL	UX74139	03/15/04	0834
03	VSTD005	25NGA9CAL	UX74140	03/15/04	0858
04	VSTD010	50NGA9CAL	UX74141	03/15/04	0921
05	VSTD020	100NGA9CAL	UX74142	03/15/04	0945
06	VSTD040	200NGA9CAL	UX74143	03/15/04	1009
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5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: BFB212 BFB Injection Date: 04/09/04

Instrument ID: A3UX7 BFB Injection Time: 0835

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.0
75	30.0 - 60.0% of mass 95	46.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	86.6
175	5.0 - 9.0% of mass 174	6.5 (7.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	85.8 (99.1)1
177	5.0 - 9.0% of mass 176	5.2 (6.1)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	VSTD010	50NG-CC	UX74654	04/09/04	0919
02	VSTD010	50NGA9-CC	UX74655	04/09/04	0943
03	GD05V-CHK	GD05V1AC	UX74656	04/09/04	1007
04	GD05V-CKDUP	GD05V1AD	UX74657	04/09/04	1031
05	GD05V-BLK	GD05V1AA	UX74658	04/09/04	1055
06	TRIP BLANK	GC9WW1AA	UX74668	04/09/04	1453
07	FB02/033004	GC9W51AA	UX74669	04/09/04	1517
08	MW-11A/03300	GC9W91AA	UX74670	04/09/04	1540
09	MW-43A/03300	GC9XC1AA	UX74671	04/09/04	1604
10	MW-18/033004	GC9XE1AA	UX74672	04/09/04	1627
11	P-1/033004	GC9XG1AA	UX74673	04/09/04	1651
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FORM V VOA 1/87 Rev.

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: BFB1174 BFB Injection Date: 01/15/04

Instrument ID: A3UX10 BFB Injection Time: 1011

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.6
75	30.0 - 60.0% of mass 95	48.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	79.8
175	5.0 - 9.0% of mass 174	5.5 (6.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	77.1 (96.7)1
177	5.0 - 9.0% of mass 176	4.8 (6.2)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-A9IC	UXX5350	01/15/04	1120
02	VSTD020	100NG-A9IC	UXX5351	01/15/04	1143
03	VSTD010	50NG-A9IC	UXX5352	01/15/04	1206
04	VSTD005	25NG-A9IC	UXX5353	01/15/04	1228
05	VSTD002	10NG-A9IC	UXX5354	01/15/04	1251
06	VSTD001	5NG-A9IC	UXX5355	01/15/04	1314
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FORM V VOA 1/87 Rev.

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: BFB1223 BFB Injection Date: 03/23/04

Instrument ID: A3UX10 BFB Injection Time: 0944

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	46.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.6 (0.8)1
174	50.0 - 100.0% of mass 95	80.4
175	5.0 - 9.0% of mass 174	5.6 (7.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	77.1 (95.9)1
177	5.0 - 9.0% of mass 176	4.7 (6.2)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-IC	UXX6670	03/23/04	1004
02	VSTD020	100NG-IC	UXX6671	03/23/04	1027
03	VSTD010	50NG-IC	UXX6672	03/23/04	1050
04	VSTD005	25NG-IC	UXX6673	03/23/04	1114
05	VSTD002	10NG-IC	UXX6674	03/23/04	1136
06	VSTD001	5NG-IC	UXX6675	03/23/04	1159
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5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: BFB1237 BFB Injection Date: 04/06/04

Instrument ID: A3UX10 BFB Injection Time: 1750

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	47.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	84.4
175	5.0 - 9.0% of mass 174	6.3 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	81.8 (96.8)1
177	5.0 - 9.0% of mass 176	5.5 (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	UXX7010	04/06/04	1812
02	VSTD010	50NG-A9CC	UXX7011	04/06/04	1835
03	GDNMA-CHK	GDNMA1AC	UXX7012	04/06/04	1859
04	GDNMA-CKDUP	GDNMA1AD	UXX7013	04/06/04	1922
05	GDNMA-BLK	GDNMA1AA	UXX7014	04/06/04	1945
06	MW44/032904	GC7F21AA	UXX7015	04/06/04	2008
07	MW44/032904	GC7F21AC	UXX7016	04/06/04	2031
08	MW44/032904	GC7F21AD	UXX7017	04/06/04	2054
09	MW24/032904	GC7GH1AF	UXX7018	04/06/04	2117
10	MW31D/032904	GC7GK1AF	UXX7019	04/06/04	2140
11	MW31A/032904	GC7GL1AF	UXX7020	04/06/04	2203
12	MW30/032904	GC7GM1AF	UXX7021	04/06/04	2226
13	MW15B/032904	GC7GN1AF	UXX7022	04/06/04	2250
14	MW31C/032904	GC7GP1AF	UXX7023	04/06/04	2312
15	TRIP BLANK	GC7GR1AA	UXX7024	04/06/04	2335
16	DUP01	GC7GV1AF	UXX7025	04/06/04	2358
17					
18					
19					
20					
21					
22					

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: BFB039 BFB Injection Date: 03/02/04

Instrument ID: A3UX11 BFB Injection Time: 2145

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	24.0
75	30.0 - 60.0% of mass 95	57.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	50.0 - 100.0% of mass 95	79.6
175	5.0 - 9.0% of mass 174	5.2 (6.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	76.3 (95.8)1
177	5.0 - 9.0% of mass 176	4.8 (6.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5NG-A9IC	UXJ18636	03/02/04	2208
02	VSTD002	10NG-A9IC	UXJ18637	03/02/04	2231
03	VSTD005	25NG-A9IC	UXJ18638	03/02/04	2255
04	VSTD010	50NG-A9IC	UXJ18639	03/02/04	2318
05	VSTD020	100NG-A9IC	UXJ18640	03/02/04	2342
06	VSTD040	200NG-A9IC	UXJ18641	03/03/04	0005
07					
08					
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17					
18					
19					
20					
21					
22					

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: BFB042 BFB Injection Date: 03/05/04

Instrument ID: A3UX11 BFB Injection Time: 0745

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	28.2
75	30.0 - 60.0% of mass 95	59.1
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	84.1
175	5.0 - 9.0% of mass 174	6.5 (7.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	80.8 (96.1)1
177	5.0 - 9.0% of mass 176	5.6 (6.9)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5NG-IC	UXJ18702	03/05/04	0840
02	VSTD002	10NG-IC	UXJ18703	03/05/04	0912
03	VSTD005	25NG-IC	UXJ18704	03/05/04	0935
04	VSTD010	50NG-IC	UXJ18705	03/05/04	0958
05	VSTD020	100NG-IC	UXJ18706	03/05/04	1021
06	VSTD040	200NG-IC	UXJ18707	03/05/04	1045
07					
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22					

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5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: BFB074 BFB Injection Date: 04/07/04

Instrument ID: A3UX11 BFB Injection Time: 2104

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	20.1
75	30.0 - 60.0% of mass 95	48.0
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	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	76.1
175	5.0 - 9.0% of mass 174	5.5 (7.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.6 (98.1)1
177	5.0 - 9.0% of mass 176	5.3 (7.0)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXJ19627	04/07/04	2127
02	VSTD010	50NG-A9CC	UXJ19628	04/07/04	2151
03	GDQW2-CHK	GDQW21AC	UXJ19629	04/07/04	2214
04	GDQW2-CKDUP	GDQW21AD	UXJ19630	04/07/04	2237
05	GDQW2-BLK	GDQW21AA	UXJ19631	04/07/04	2301
06	TRIP BLANK	GDDL61AA	UXJ19649	04/08/04	0601
07	MW-8/033104	GDDMJ1AA	UXJ19650	04/08/04	0624
08	MW-8/033104	GDDMJ1AN	UXJ19651	04/08/04	0648
09	MW-8/033104	GDDMJ1AP	UXJ19652	04/08/04	0711
10	MW-23/033104	GDDMN1AA	UXJ19653	04/08/04	0734
11					
12					
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16					
17					
18					
19					
20					
21					
22					

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): UX74654 Date Analyzed: 04/09/04

Instrument ID: A3UX7 Time Analyzed: 0919

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	714363	7.57	919902	4.94	358593	9.79
	UPPER LIMIT	1428726	8.07	1839804	5.44	717186	10.29
	LOWER LIMIT	357182	7.07	459951	4.44	179297	9.29
	EPA SAMPLE NO.						
01	GD05V-CHK	719815	7.57	909847	4.95	333499	9.79
02	GD05V-CKDUP	699836	7.57	910559	4.95	327967	9.79
03	GD05V-BLK	670299	7.57	866361	4.95	292506	9.79
04	TRIP BLANK	662701	7.57	844442	4.94	281928	9.79
05	FB02/033004	637974	7.57	831730	4.95	283740	9.79
06	MW-11A/03300	655726	7.57	825602	4.95	284563	9.79
07	MW-43A/03300	648276	7.57	834923	4.95	278340	9.79
08	MW-18/033004	654429	7.57	825668	4.94	278350	9.79
09	P-1/033004	646713	7.57	839141	4.94	277634	9.80
10							
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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.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): UXX7010 Date Analyzed: 04/06/04

Instrument ID: A3UX10 Time Analyzed: 1812

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	1371918	7.88	2016291	5.21	669799	10.13
	UPPER LIMIT	2743836	8.38	4032582	5.71	1339598	10.63
	LOWER LIMIT	685959	7.38	1008146	4.71	334900	9.63
	EPA SAMPLE NO.						
01	GDNMA-CHK	1338634	7.88	1992720	5.20	620191	10.13
02	GDNMA-CKDUP	1317226	7.88	1936387	5.21	616167	10.13
03	GDNMA-BLK	1254520	7.88	1867055	5.21	573545	10.13
04	MW44/032904	1282919	7.89	1920108	5.20	571030	10.13
05	MW44/032904	1312098	7.88	1984483	5.20	631525	10.13
06	MW44/032904	1288947	7.88	1888952	5.20	605051	10.13
07	MW24/032904	1230109	7.89	1826394	5.20	575140	10.13
08	MW31D/032904	1247999	7.88	1882459	5.21	558568	10.13
09	MW31A/032904	1224630	7.88	1888460	5.21	559161	10.13
10	MW30/032904	1215682	7.88	1779952	5.21	533712	10.13
11	MW15B/032904	1274274	7.88	1896475	5.21	571552	10.13
12	MW31C/032904	1197927	7.88	1764298	5.20	544528	10.13
13	TRIP BLANK	1214326	7.88	1787197	5.20	546874	10.13
14	DUP01	1243221	7.88	1834341	5.21	549799	10.13
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.

page 1 of 1

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8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): UXJ19627 Date Analyzed: 04/07/04

Instrument ID: A3UX11 Time Analyzed: 2127

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	1045594	7.42	1644317	4.77	350376	9.64
	UPPER LIMIT	2091188	7.92	3288634	5.27	700752	10.14
	LOWER LIMIT	522797	6.92	822159	4.27	175188	9.14
	EPA SAMPLE NO.						
01	GDQW2-CHK	1062820	7.42	1681088	4.77	334277	9.64
02	GDQW2-CKDUP	1074239	7.42	1750847	4.77	328296	9.64
03	GDQW2-BLK	1022000	7.42	1635875	4.77	290978	9.64
04	TRIP BLANK	939878	7.42	1520205	4.77	279064	9.64
05	MW-8/033104	946844	7.42	1555734	4.77	274816	9.64
06	MW-8/033104	1011777	7.42	1595949	4.77	312813	9.64
07	MW-8/033104	1002674	7.42	1601363	4.77	305770	9.64
08	MW-23/033104	982174	7.42	1581984	4.77	286750	9.64
09							
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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.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: MW44/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-001 **Work Order #...:** GC7F21AA **Matrix.....:** WG
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW44/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-001 **Work Order #...:** GC7F21AA **Matrix.....:** WG

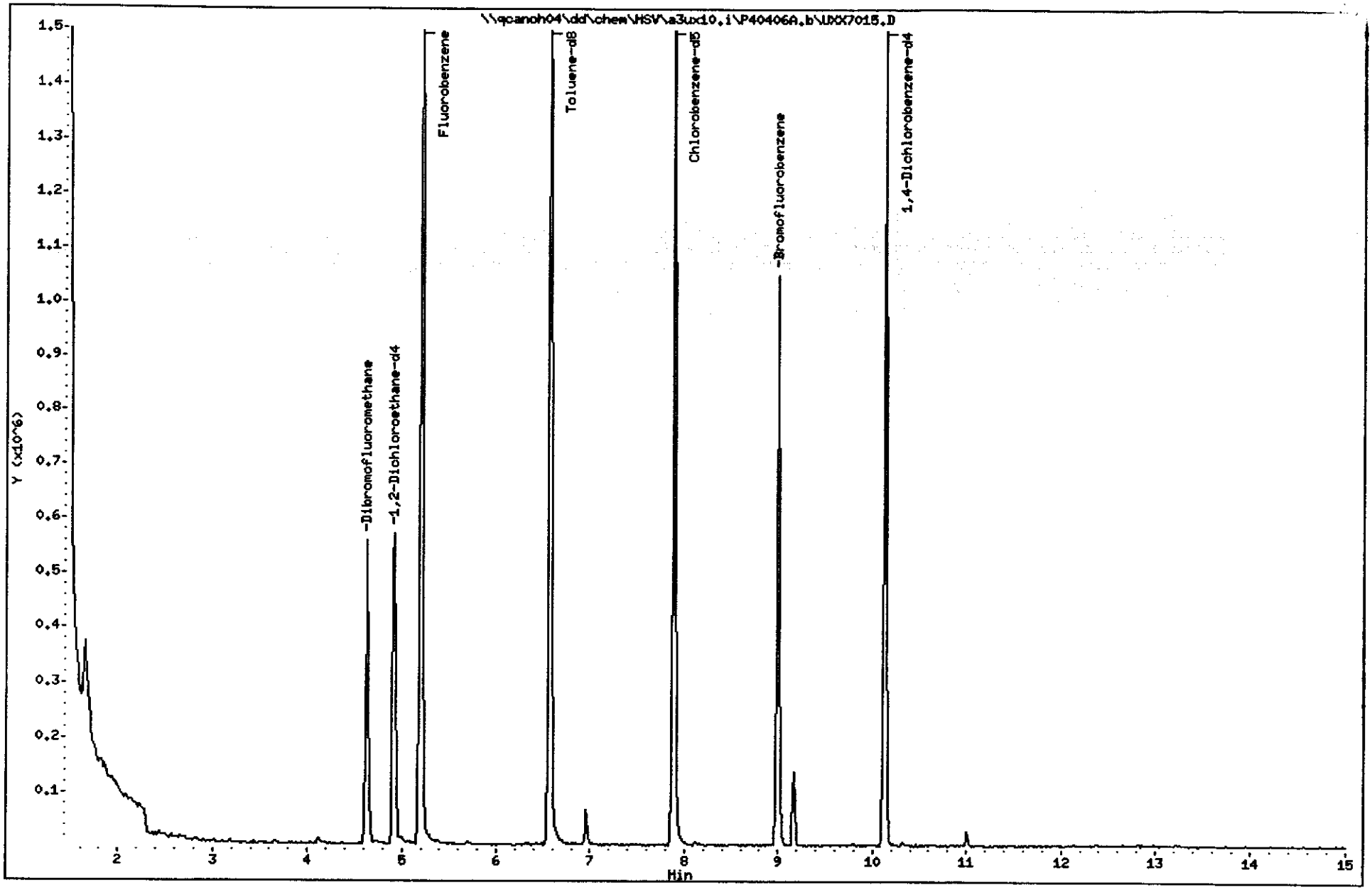
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	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	108	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40406A.b\UXX7015.D
Date : 06-APR-2004 20:08
Client ID: HW44/032904
Sample Info: GC7F21AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7015.D
Report Date: 08-Apr-2004 14:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7015.D
Lab Smp Id: GC7F21AA Client Smp ID: MW44/032904
Inj Date : 06-APR-2004 20:08
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GC7F21AA,5ML/5ML
Misc Info : P40406A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 14:15 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.203	5.205	(1.000)	1920108	50.0000	
* 2 Chlorobenzene-d5	117	7.889	7.879	(1.000)	1282919	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	(1.000)	571030	50.0000	
$ 4 Dibromofluoromethane	113	4.635	4.625	(0.891)	382305	53.9985	10.800
$ 5 1,2-Dichloroethane-d4	65	4.919	4.909	(0.945)	443207	48.7821	9.756
$ 6 Toluene-d8	98	6.564	6.566	(0.832)	1371634	50.0375	10.008
$ 7 Bromofluorobenzene	95	8.990	8.992	(1.139)	451955	48.0146	9.603
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7015.D
Report Date: 08-Apr-2004 14:18

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7015.D
Report Date: 08-Apr-2004 14:18

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

PAYNE FIRM INC.

Client Sample ID: MW24/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-002 **Work Order #...:** GC7GH1AF **Matrix.....:** WG
Date Sampled...: 03/29/04 10:20 **Date Received..:** 03/30/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW24/032904

GC/MS Volatiles

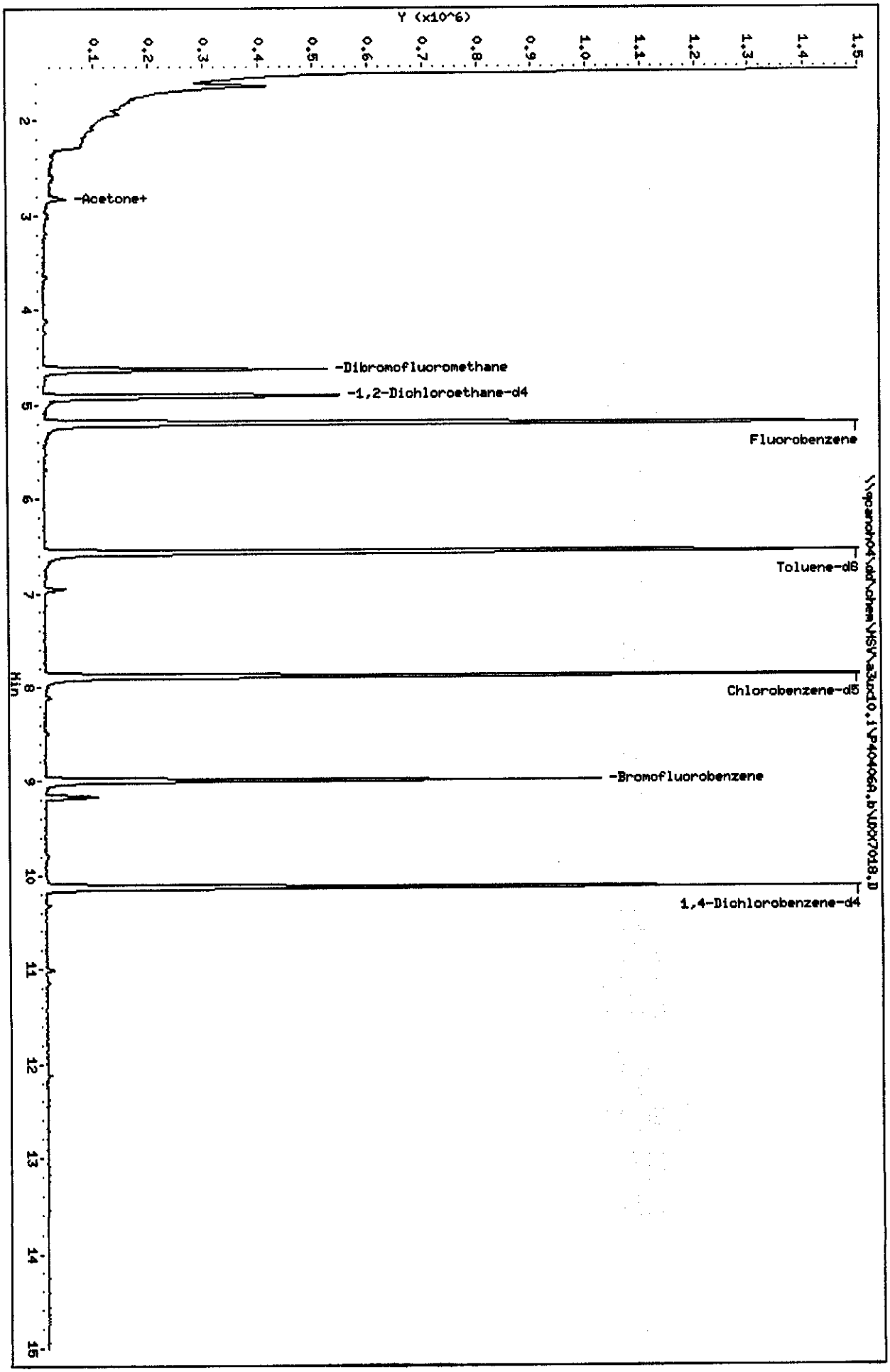
Lot-Sample #...: A4C300268-002 **Work Order #...:** GC7GH1AF **Matrix.....:** WG

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	103	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)

Data File: \\qcanch04\dd\chem\VSV\a3ucl0.i\P404066.b\UXX7018.D
Date : 06-APR-2004 21:17
Client ID: MW24/032904
Sample Info: GC7GH14F,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7018.D
Report Date: 08-Apr-2004 14:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7018.D
Lab Smp Id: GC7GH1AF Client Smp ID: MW24/032904
Inj Date : 06-APR-2004 21:17
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GC7GH1AF,5ML/5ML
Misc Info : P40406A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 14:15 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.203	5.205	(1.000)	1826394	50.0000	
* 2 Chlorobenzene-d5	117	7.889	7.879	(1.000)	1230109	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.125	10.127	(1.000)	575140	50.0000	
$ 4 Dibromofluoromethane	113	4.623	4.625	(0.889)	372424	55.3020	11.060
$ 5 1,2-Dichloroethane-d4	65	4.907	4.909	(0.943)	443212	51.2857	10.257
$ 6 Toluene-d8	98	6.564	6.566	(0.832)	1286929	48.9630	9.792
$ 7 Bromofluorobenzene	95	8.989	8.992	(1.139)	450027	49.8623	9.972
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.824	2.815	(0.543)	24426	3.79515	0.7590
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	2.824	2.827	(0.543)	11164	2.20659	0.4413
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7018.D
Report Date: 08-Apr-2004 14:20

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	86	Compound Not Detected.					
27 Vinyl acetate	43	Compound Not Detected.					
28 1,1-Dichloroethane	63	Compound Not Detected.					
29 tert-Butyl Alcohol	59	Compound Not Detected.					
30 2-Butanone	43	Compound Not Detected.					
M 31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
32 cis-1,2-dichloroethene	96	Compound Not Detected.					
33 2,2-Dichloropropane	77	Compound Not Detected.					
34 Bromochloromethane	128	Compound Not Detected.					
35 Chloroform	83	Compound Not Detected.					
36 Tetrahydrofuran	42	Compound Not Detected.					
37 1,1,1-Trichloroethane	97	Compound Not Detected.					
38 1,1-Dichloropropene	75	Compound Not Detected.					
39 Carbon Tetrachloride	117	Compound Not Detected.					
40 1,2-Dichloroethane	62	Compound Not Detected.					
41 Benzene	78	Compound Not Detected.					
42 Trichloroethene	130	Compound Not Detected.					
43 1,2-Dichloropropane	63	Compound Not Detected.					
44 1,4-Dioxane	88	Compound Not Detected.					
45 Dibromomethane	93	Compound Not Detected.					
46 Bromodichloromethane	83	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
49 4-Methyl-2-pentanone	43	Compound Not Detected.					
50 Toluene	91	Compound Not Detected.					
51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
52 Ethyl Methacrylate	69	Compound Not Detected.					
53 1,1,2-Trichloroethane	97	Compound Not Detected.					
54 1,3-Dichloropropane	76	Compound Not Detected.					
55 Tetrachloroethene	164	Compound Not Detected.					
56 2-Hexanone	43	Compound Not Detected.					
57 Dibromochloromethane	129	Compound Not Detected.					
58 1,2-Dibromoethane	107	Compound Not Detected.					
59 Chlorobenzene	112	Compound Not Detected.					
60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61 Ethylbenzene	106	Compound Not Detected.					
62 m + p-Xylene	106	Compound Not Detected.					
M 63 Xylenes (total)	106	Compound Not Detected.					
64 Xylene-o	106	Compound Not Detected.					
65 Styrene	104	Compound Not Detected.					
66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7018.D
Report Date: 08-Apr-2004 14:20

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\a3ux10.i\P40406A.b\UXX7018.D

Date : 06-APR-2004 21:17

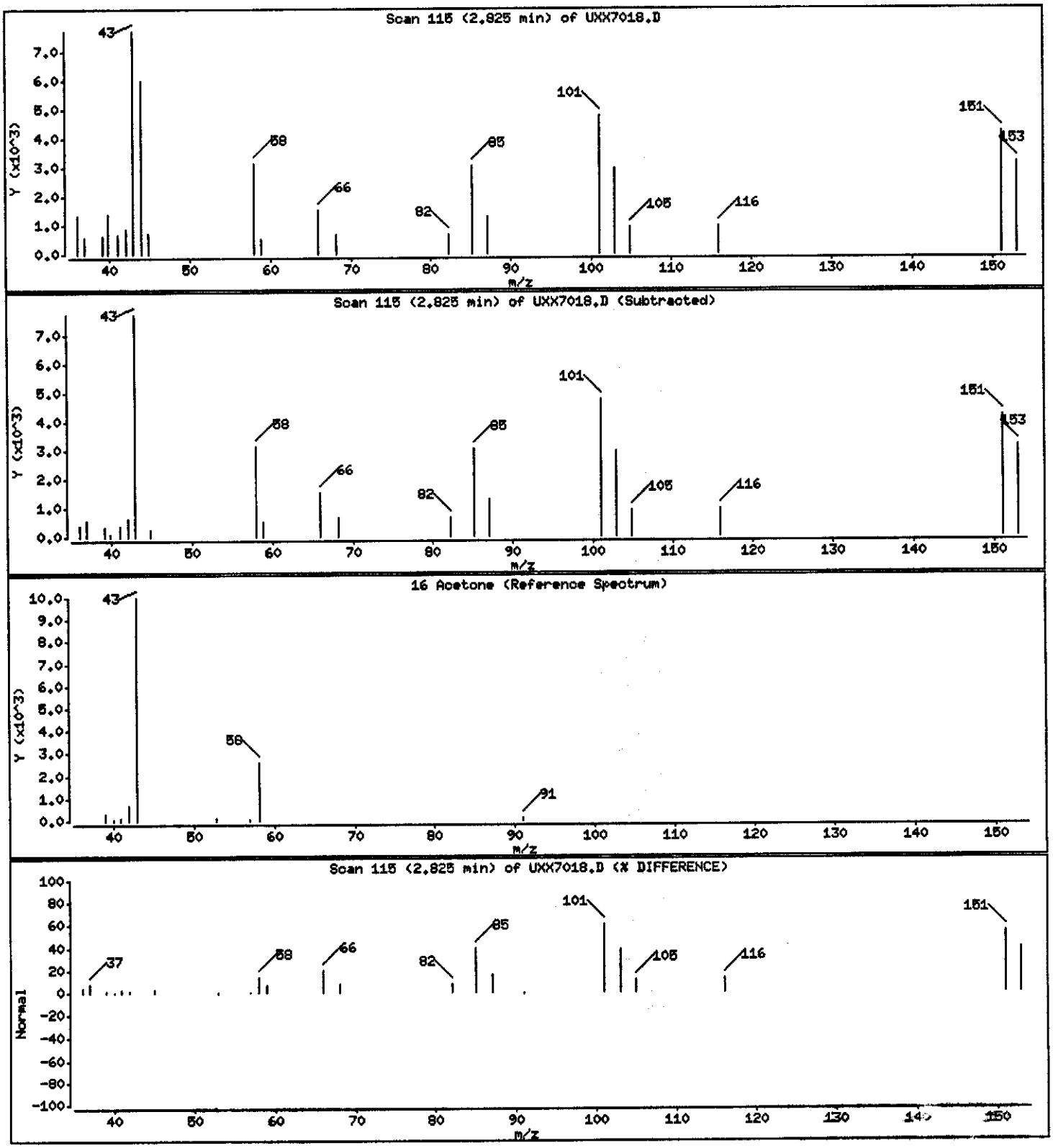
Client ID: MW24/032904 | Instrument: a3ux10.i

Sample Info: GC7GH1AF,5ML/5ML

Purge Volume: 5.0 | Operator: 1904

Column phase: DB624 | Column diameter: 0.18

16 Acetone | Concentration: 0.7590 ug/L



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Date : 06-APR-2004 21:17

Client ID: MW24/032904

Instrument: a3ux10.i

Sample Info: GC7GH1AF,5ML/5ML

Purge Volume: 5.0

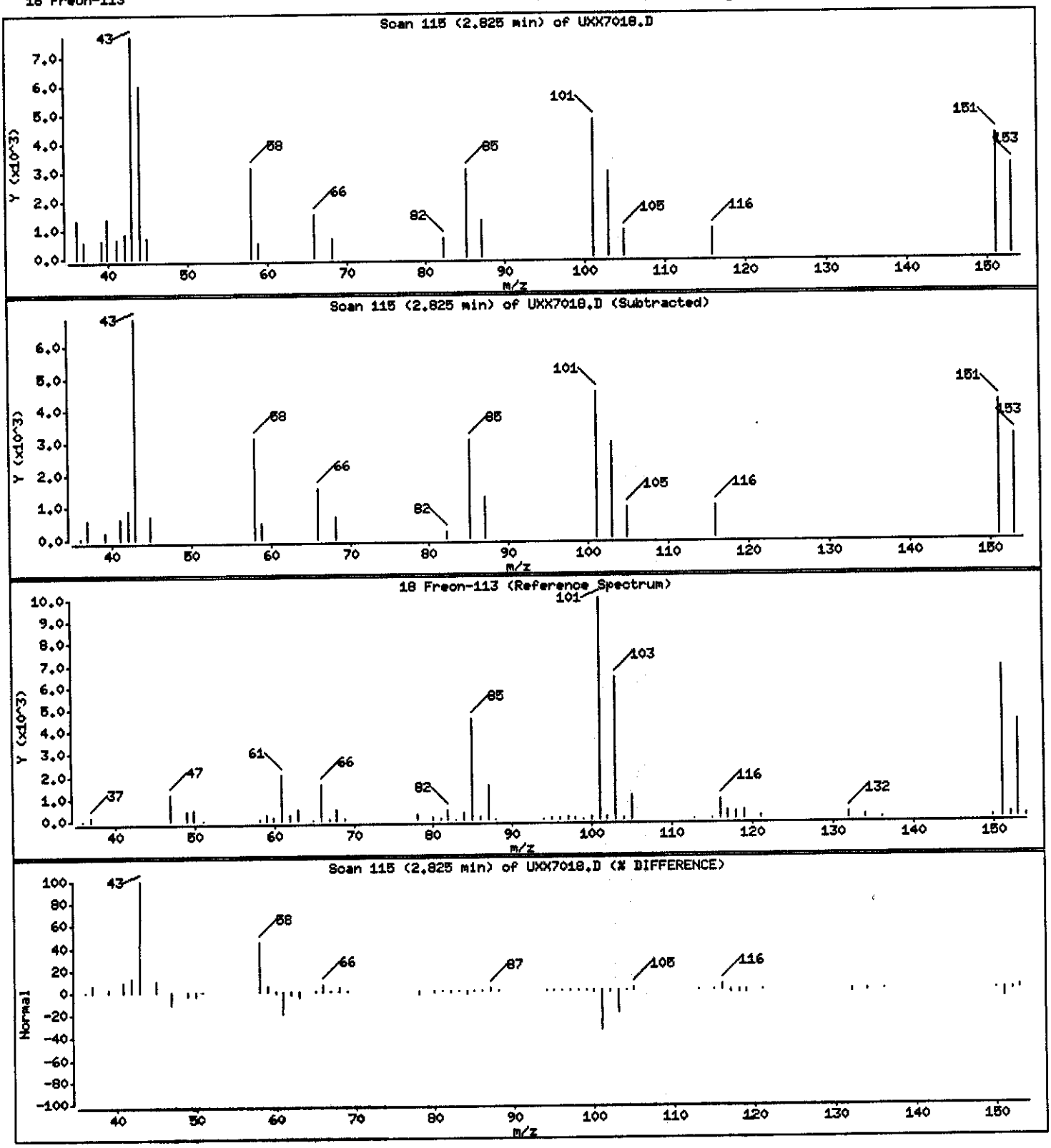
Operator: 1904

Column phase: DB624

Column diameter: 0.18

18 Freon-113

Concentration: 0.4413 ug/L



PAYNE FIRM INC.

Client Sample ID: MW31D/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-003 **Work Order #...:** GC7GK1AF **Matrix.....:** WG
Date Sampled...: 03/29/04 15:25 **Date Received..:** 03/30/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
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	**15**	**1.0**	**ug/L**
cis-1,2-Dichloroethene	**6.4**	**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)	**7.2**	**2.0**	**ug/L**
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**200**	**200**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW31D/032904

GC/MS Volatiles

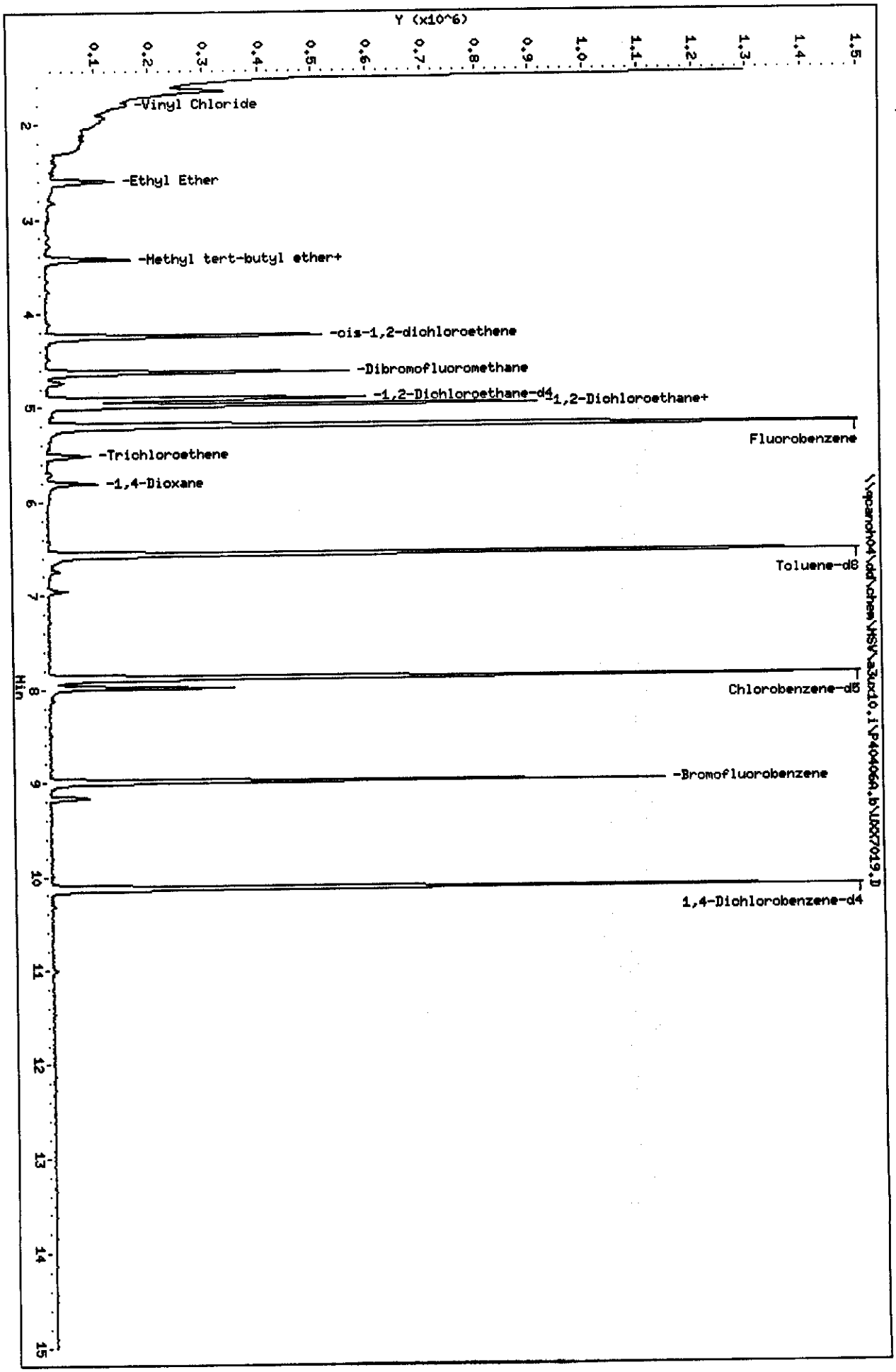
Lot-Sample #...: A4C300268-003 **Work Order #...:** GC7GK1AF **Matrix.....:** WG

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	109	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P404066A.b\UX7019.D
Date : 06-APR-2004 21:40
Client ID: HW31D/032904
Sample Info: GC7GK1AF,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

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



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Report Date: 08-Apr-2004 14:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7019.D
Lab Smp Id: GC7GK1AF Client Smp ID: MW31D/032904
Inj Date : 06-APR-2004 21:40
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GC7GK1AF,5ML/5ML
Misc Info : P40406A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 14:15 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.206	5.205	(1.000)	1882459	50.0000	
* 2 Chlorobenzene-d5	117	7.881	7.879	(1.000)	1247999	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.127	(1.000)	558568	50.0000	
$ 4 Dibromofluoromethane	113	4.627	4.625	(0.889)	377193	54.3420	10.868
$ 5 1,2-Dichloroethane-d4	65	4.910	4.909	(0.943)	453252	50.8854	10.177
$ 6 Toluene-d8	98	6.567	6.566	(0.833)	1353821	50.7696	10.154
$ 7 Bromofluorobenzene	95	8.993	8.992	(1.141)	443379	48.4215	9.684
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.798	1.797	(0.346)	30219	3.80745	0.7615
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7019.D
Report Date: 08-Apr-2004 14:21

	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	3.431	3.418	(0.659)	106395	4.76599	0.9532
	25 trans-1,2-Dichloroethene	96	3.431	3.430	(0.659)	34060	4.08560	0.8171
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				308503	35.9264	7.185
	32 cis-1,2-dichloroethene	96	4.248	4.247	(0.816)	274443	31.8409	6.368
	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	4.981	4.980	(0.957)	785609	72.8282	14.566
	41 Benzene	78	4.981	4.980	(0.957)	37291	1.11287	0.2226
	42 Trichloroethene	130	5.514	5.513	(1.059)	28461	2.93265	0.5865
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.810	5.808	(1.116)	88417	988.540	197.71(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7019.D
Report Date: 08-Apr-2004 14:21

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	2.603	2.600	(0.500)	78336	11.0374	2.207
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

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7019.D

Date : 06-APR-2004 21:40

Client ID: MW31D/032904

Instrument: a3ux10.i

Sample Info: GC7GK1AF,5ML/5ML

Purge Volume: 5.0

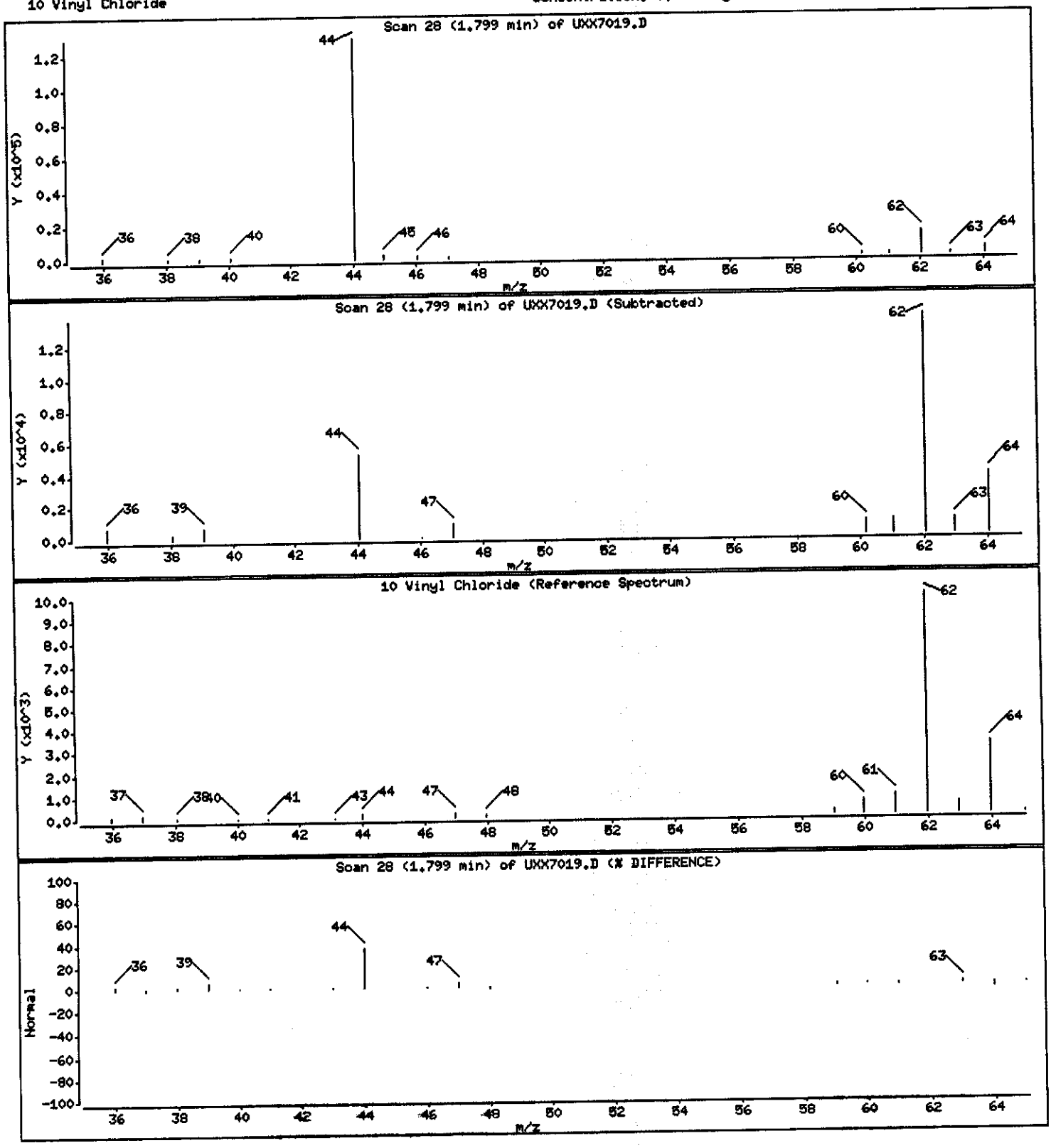
Operator: 1904

Column phase: DB624

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 0.7615 ug/L



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Date : 06-APR-2004 21:40

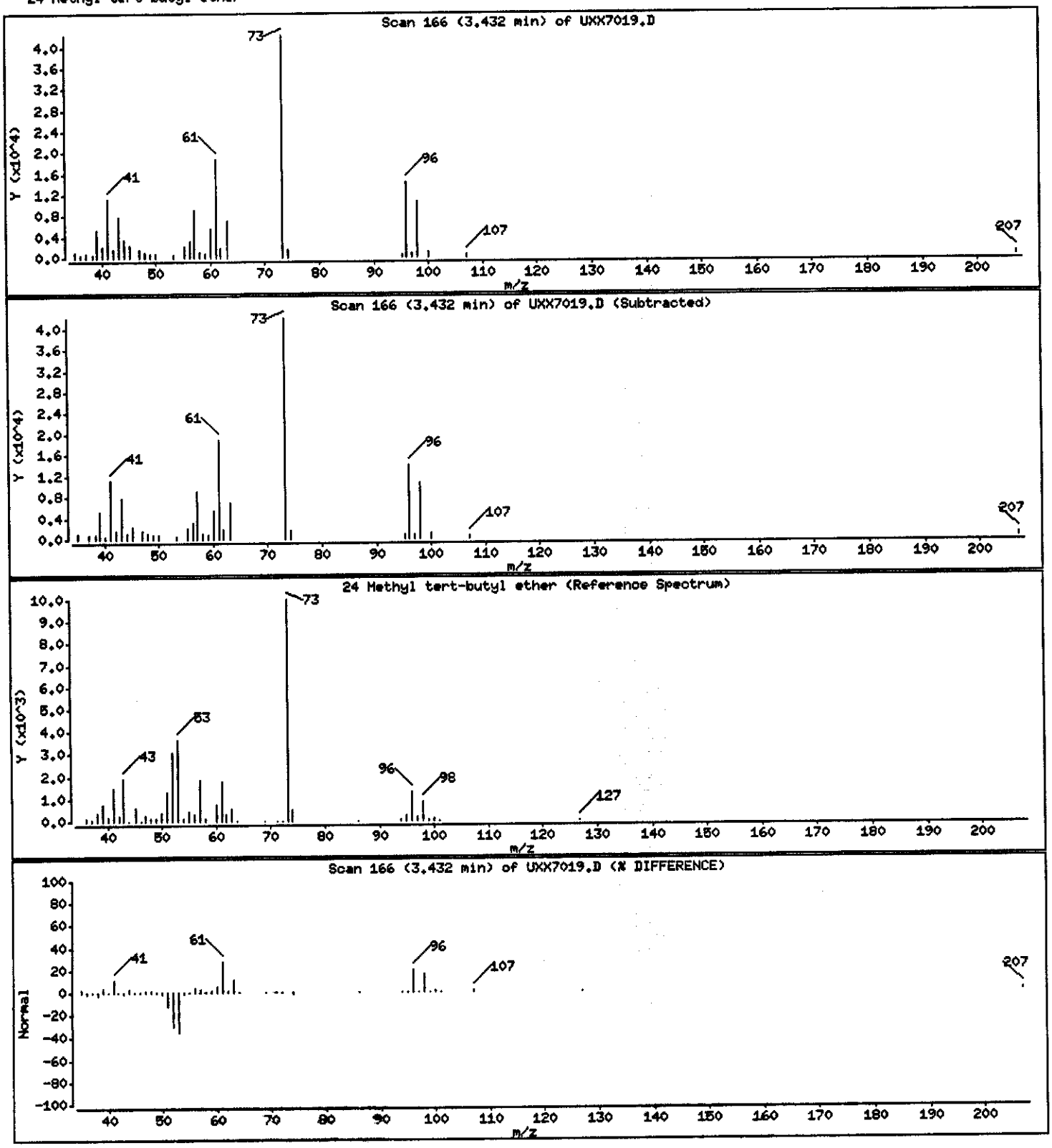
Client ID: MW31D/032904 Instrument: a3ux10.i

Sample Info: GC7GK1AF,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 0.9832 ug/L



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Date : 06-APR-2004 21:40

Client ID: MW31D/032904

Instrument: a3ux10.i

Sample Info: GC7GK1AF,5ML/5ML

Purge Volume: 5.0

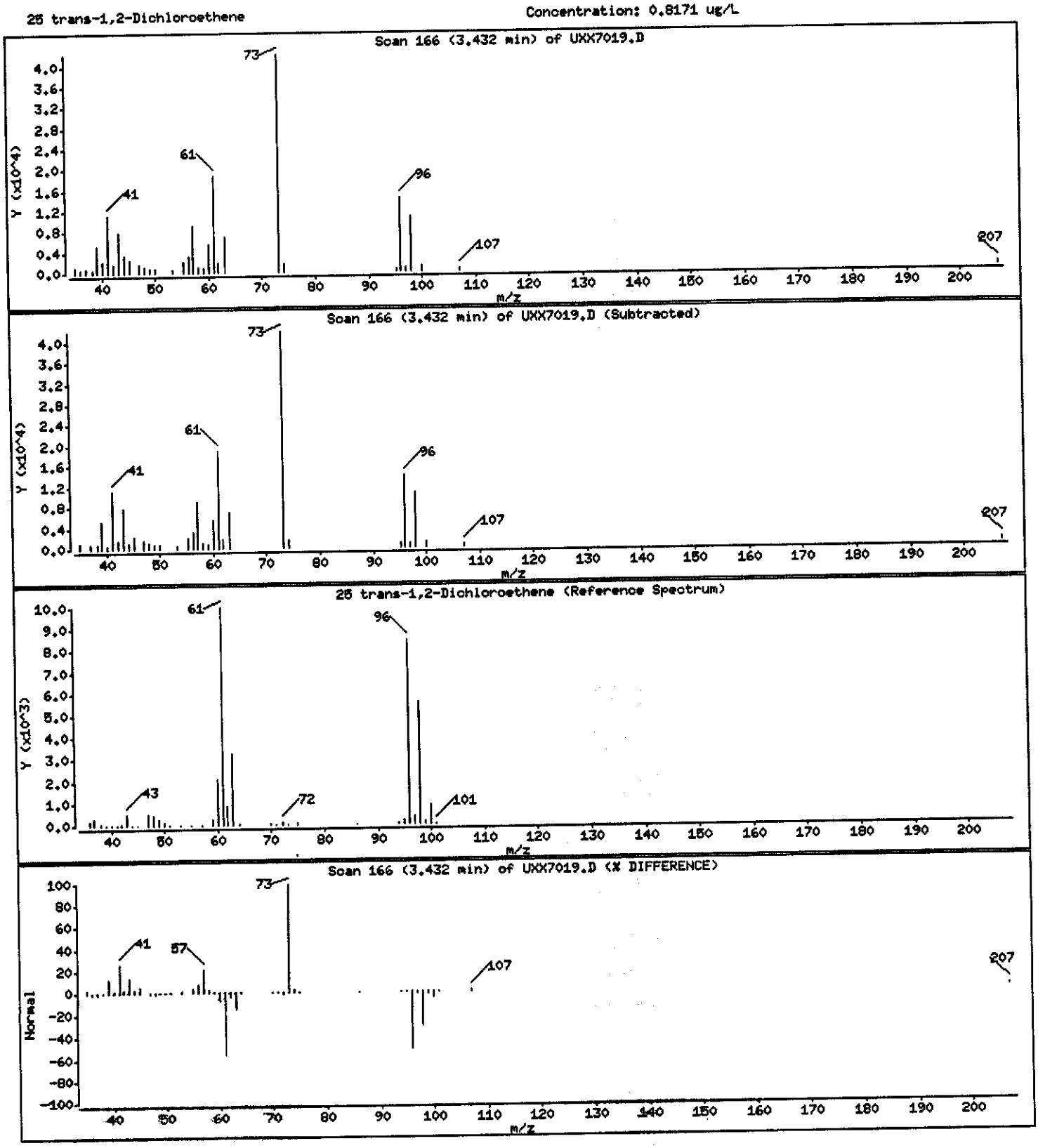
Operator: 1904

Column phase: DB624

Column diameter: 0.18

25 trans-1,2-Dichloroethene

Concentration: 0.8171 ug/L



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Date : 06-APR-2004 21:40

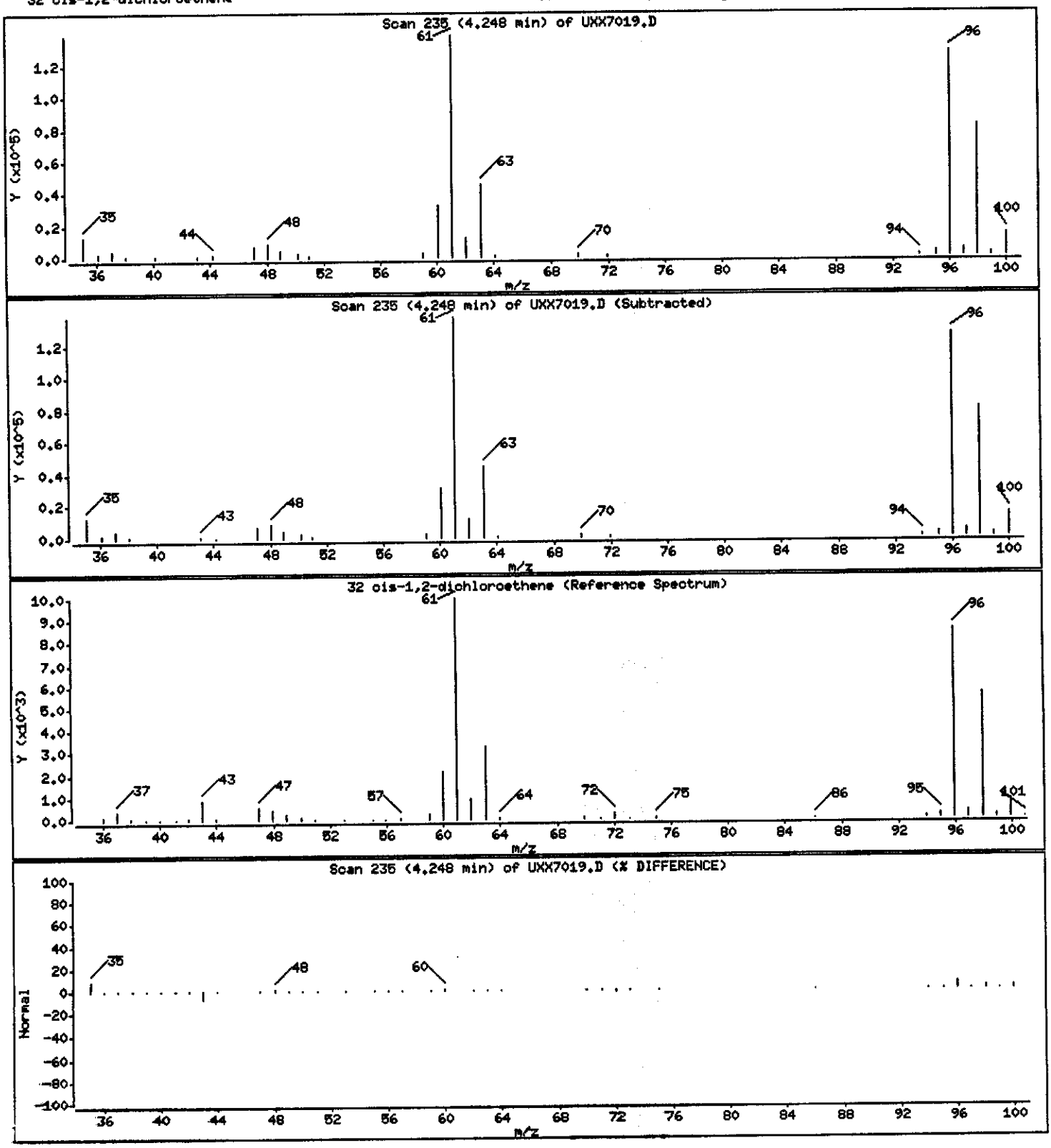
Client ID: MW31D/032904 Instrument: a3ux10.i

Sample Info: GC7GK1AF,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 6.368 ug/L



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Date : 06-APR-2004 21:40

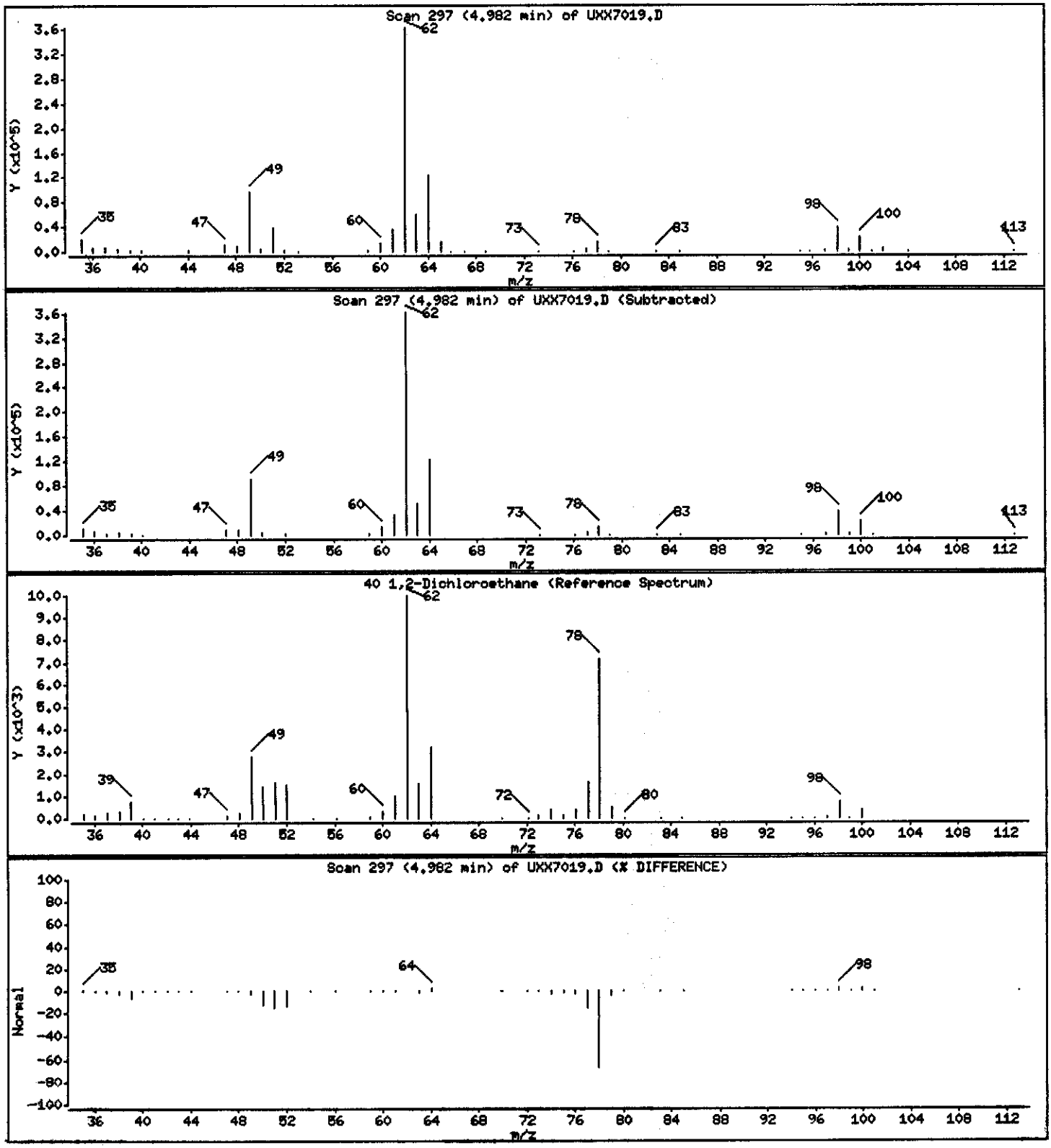
Client ID: MW31D/032904 Instrument: a3ux10.i

Sample Info: GC7GK1AF,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 14.566 ug/L



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Date : 06-APR-2004 21:40

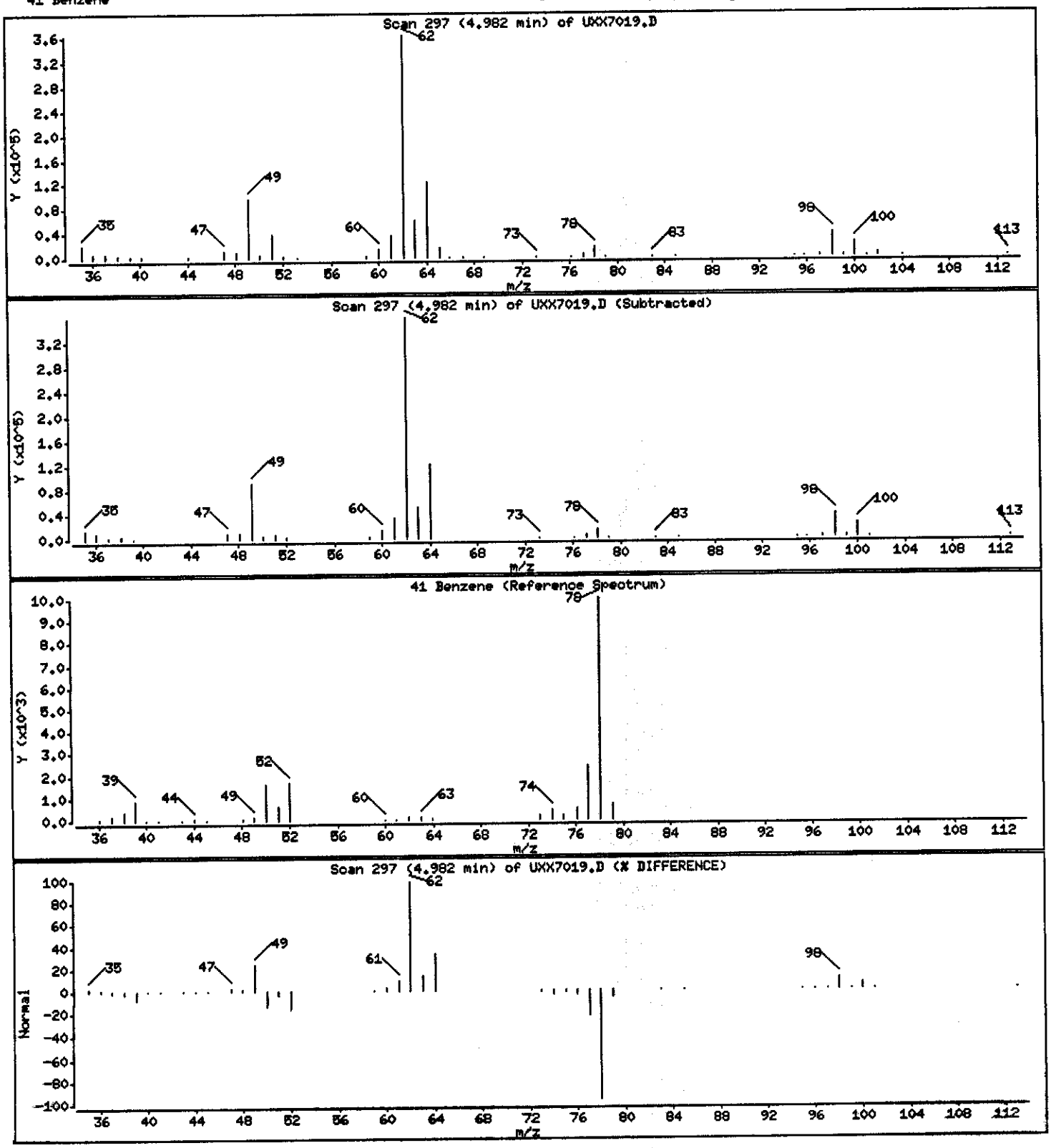
Client ID: MW31D/032904 Instrument: a3ux10.i

Sample Info: GC7GK1AF,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.2226 ug/L



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Date : 06-APR-2004 21:40

Client ID: MW31D/032904

Instrument: a3ux10.i

Sample Info: GC7GK1AF,5ML/5ML

Purge Volume: 5.0

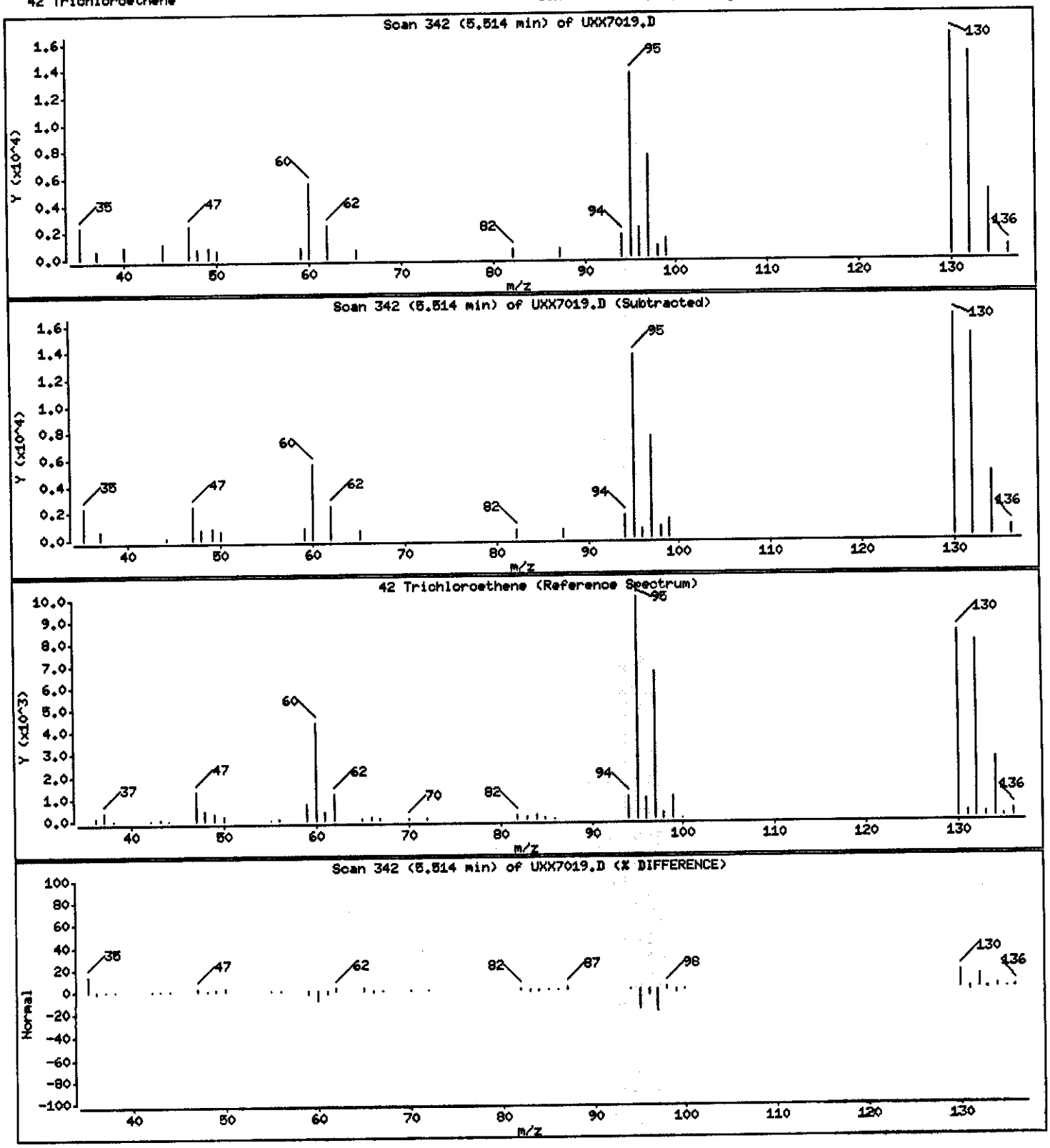
Operator: 1904

Column phase: DB624

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.5865 ug/L



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Date : 06-APR-2004 21:40

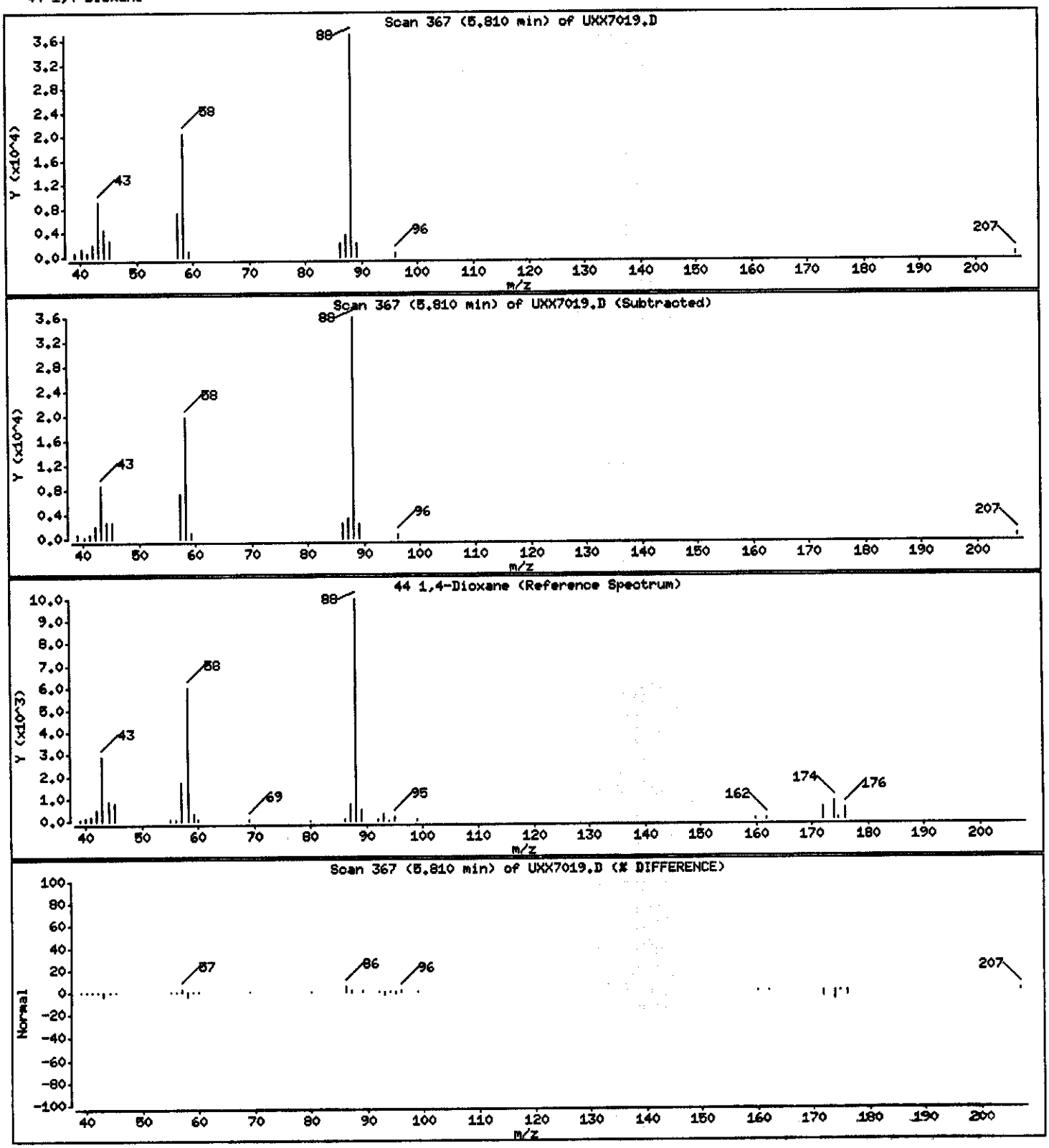
Client ID: MW31D/032904 | Instrument: a3ux10.i

Sample Info: GC7GK1AF,5ML/5ML

Purge Volume: 5.0 | Operator: 1904

Column phase: DB624 | Column diameter: 0.18

44 1,4-Dioxane | Concentration: 197.71 ug/L



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Date : 06-APR-2004 21:40

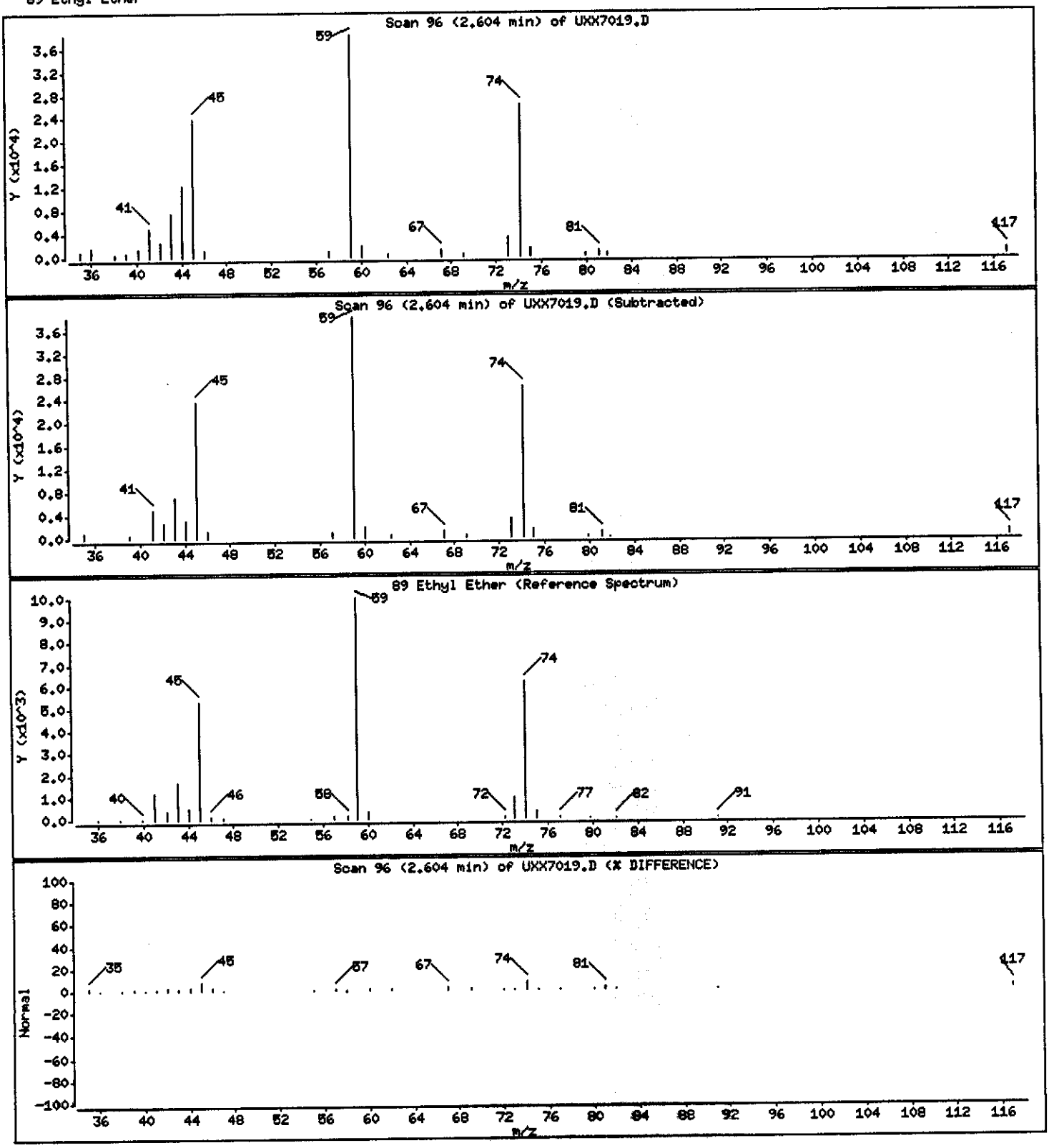
Client ID: MW31D/032904 Instrument: a3ux10.i

Sample Info: GC7GK1AF,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 2.207 ug/L



PAYNE FIRM INC.

Client Sample ID: MW31A/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-004 **Work Order #...:** GC7GL1AF **Matrix.....:** WG
Date Sampled...: 03/29/04 15:07 **Date Received..:** 03/30/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
Dilution Factor: 28.57 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	290	ug/L
Acetonitrile	ND	570	ug/L
Acrolein	ND	570	ug/L
Acrylonitrile	ND	570	ug/L
Benzene	**43**	**29**	**ug/L**
Bromodichloromethane	ND	29	ug/L
Bromoform	ND	29	ug/L
Bromomethane	ND	29	ug/L
2-Butanone	ND	290	ug/L
Carbon disulfide	ND	29	ug/L
Carbon tetrachloride	ND	29	ug/L
Chlorobenzene	ND	29	ug/L
Chloroprene	ND	57	ug/L
Dibromochloromethane	ND	29	ug/L
Chloroethane	ND	29	ug/L
Chloroform	ND	29	ug/L
Chloromethane	ND	29	ug/L
3-Chloropropene	ND	57	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	57	ug/L
1,2-Dibromoethane	ND	29	ug/L
Dibromomethane	ND	29	ug/L
trans-1,4-Dichloro-2-butene	ND	29	ug/L
1,1-Dichloroethane	ND	29	ug/L
1,2-Dichloroethane	**69**	**29**	**ug/L**
cis-1,2-Dichloroethene	**770**	**29**	**ug/L**
trans-1,2-Dichloroethene	ND	29	ug/L
1,1-Dichloroethene	ND	29	ug/L
1,2-Dichloroethene (total)	**790**	**57**	**ug/L**
Dichlorofluoromethane	ND	57	ug/L
1,2-Dichloropropane	ND	29	ug/L
cis-1,3-Dichloropropene	ND	29	ug/L
trans-1,3-Dichloropropene	ND	29	ug/L
1,4-Dioxane	**7300**	**5700**	**ug/L**
Ethylbenzene	ND	29	ug/L
Ethyl methacrylate	ND	29	ug/L

(Continued on next page)

PAYNE FIRM INC.

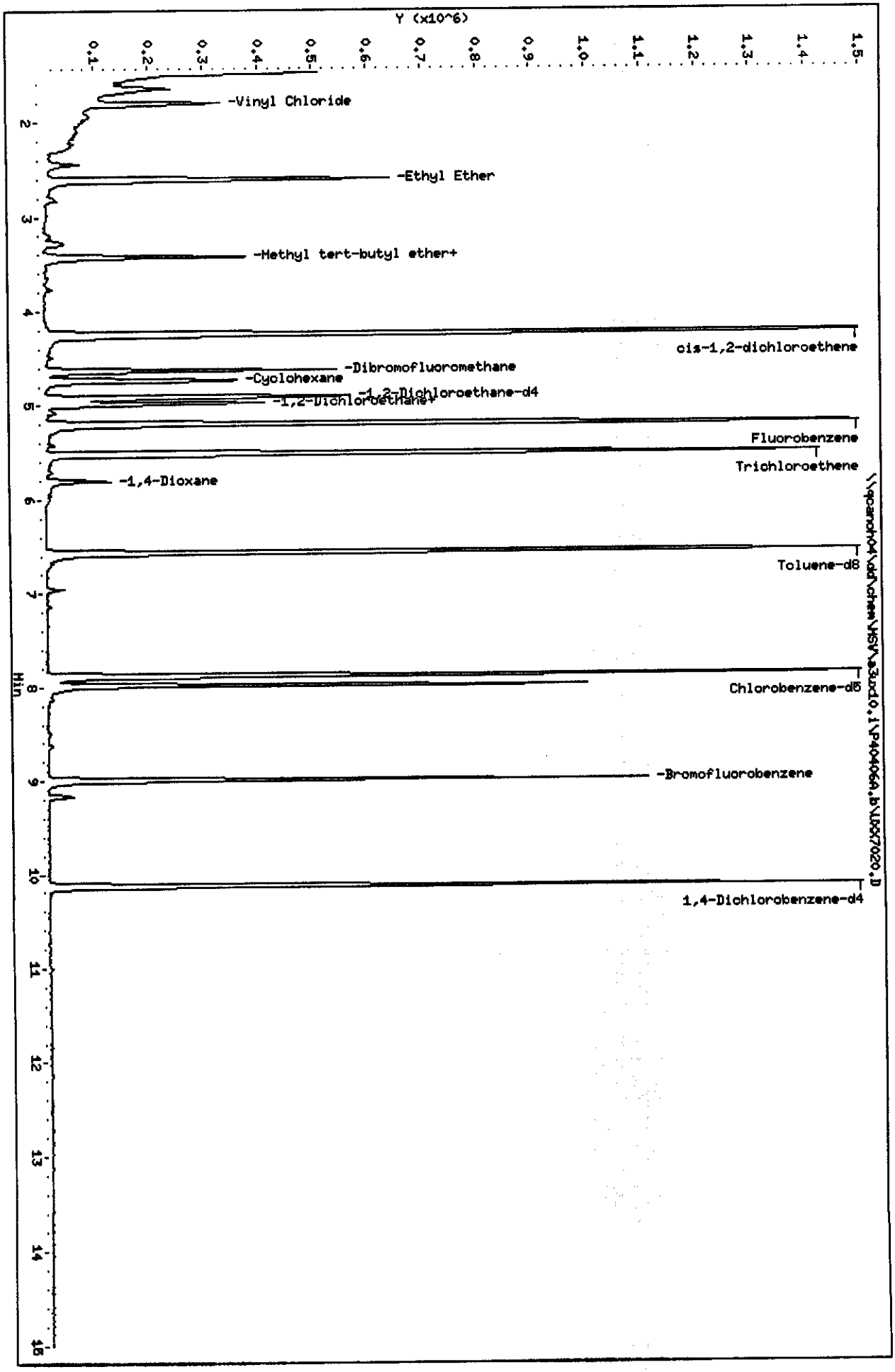
Client Sample ID: MW31A/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-004 **Work Order #...:** GC7GL1AF **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	290	ug/L
Iodomethane	ND	29	ug/L
Isobutanol	**1600**	**1400**	**ug/L**
Methacrylonitrile	ND	57	ug/L
Methylene chloride	ND	29	ug/L
Methyl methacrylate	ND	57	ug/L
4-Methyl-2-pentanone	ND	290	ug/L
Propionitrile	ND	110	ug/L
Styrene	ND	29	ug/L
1,1,1,2-Tetrachloroethane	ND	29	ug/L
1,1,2,2-Tetrachloroethane	ND	29	ug/L
Tetrachloroethene	ND	29	ug/L
Toluene	ND	29	ug/L
1,1,1-Trichloroethane	ND	29	ug/L
1,1,2-Trichloroethane	ND	29	ug/L
Trichloroethene	**330**	**29**	**ug/L**
Trichlorofluoromethane	ND	29	ug/L
1,2,3-Trichloropropane	ND	29	ug/L
Vinyl acetate	ND	57	ug/L
Vinyl chloride	**240**	**29**	**ug/L**
Xylenes (total)	ND	57	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)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Date : 06-APR-2004 22:03
Client ID: MW31A/032904
Sample Info: GC7GL1AF,0,175ML/5ML
Purge Volume: 0.2
Column phase: DB624
Instrument: a3uxd0,i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Vinyl Chloride
-Ethyl Ether
-Methyl tert-butyl ether+
cis-1,2-dichloroethene
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7020.D
Report Date: 08-Apr-2004 14:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7020.D
Lab Smp Id: GC7GL1AF Client Smp ID: MW31A/032904
Inj Date : 06-APR-2004 22:03
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GC7GL1AF,0.175ML/5ML
Misc Info : P40406A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 14:15 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.175	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.206	5.205	(1.000)	1888460	50.0000	
* 2 Chlorobenzene-d5	117	7.880	7.879	(1.000)	1224630	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.128	10.127	(1.000)	559161	50.0000	
$ 4 Dibromofluoromethane	113	4.626	4.625	(0.889)	368650	52.9425	302.53
$ 5 1,2-Dichloroethane-d4	65	4.910	4.909	(0.943)	451843	50.5660	288.95
$ 6 Toluene-d8	98	6.566	6.566	(0.833)	1331032	50.8675	290.67
$ 7 Bromofluorobenzene	95	8.992	8.992	(1.141)	444760	49.4992	282.85
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.798	1.797	(0.345)	327657	41.1520	235.15
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7020.D
Report Date: 08-Apr-2004 14:22

	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	3.419	3.418	(0.657)	366025	16.3441	93.395
	25 trans-1,2-Dichloroethene	96	3.431	3.430	(0.659)	33615	4.01940	22.968
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				1201046	139.034	794.48
	32 cis-1,2-dichloroethene	96	4.247	4.247	(0.816)	1167431	135.015	771.51
	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	4.981	4.980	(0.957)	130106	12.0229	68.702
	41 Benzene	78	4.981	4.980	(0.957)	255682	7.60605	43.463
	42 Trichloroethene	130	5.513	5.513	(1.059)	566210	58.1575	332.33
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.809	5.808	(1.116)	114841	1279.89	7313.7(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7020.D
Report Date: 08-Apr-2004 14:22

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	2.602	2.600	(0.500)	415966	58.4227	333.84
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.732	4.732	(0.909)	194023	16.5678	94.673
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

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7020.D

Date : 06-APR-2004 22:03

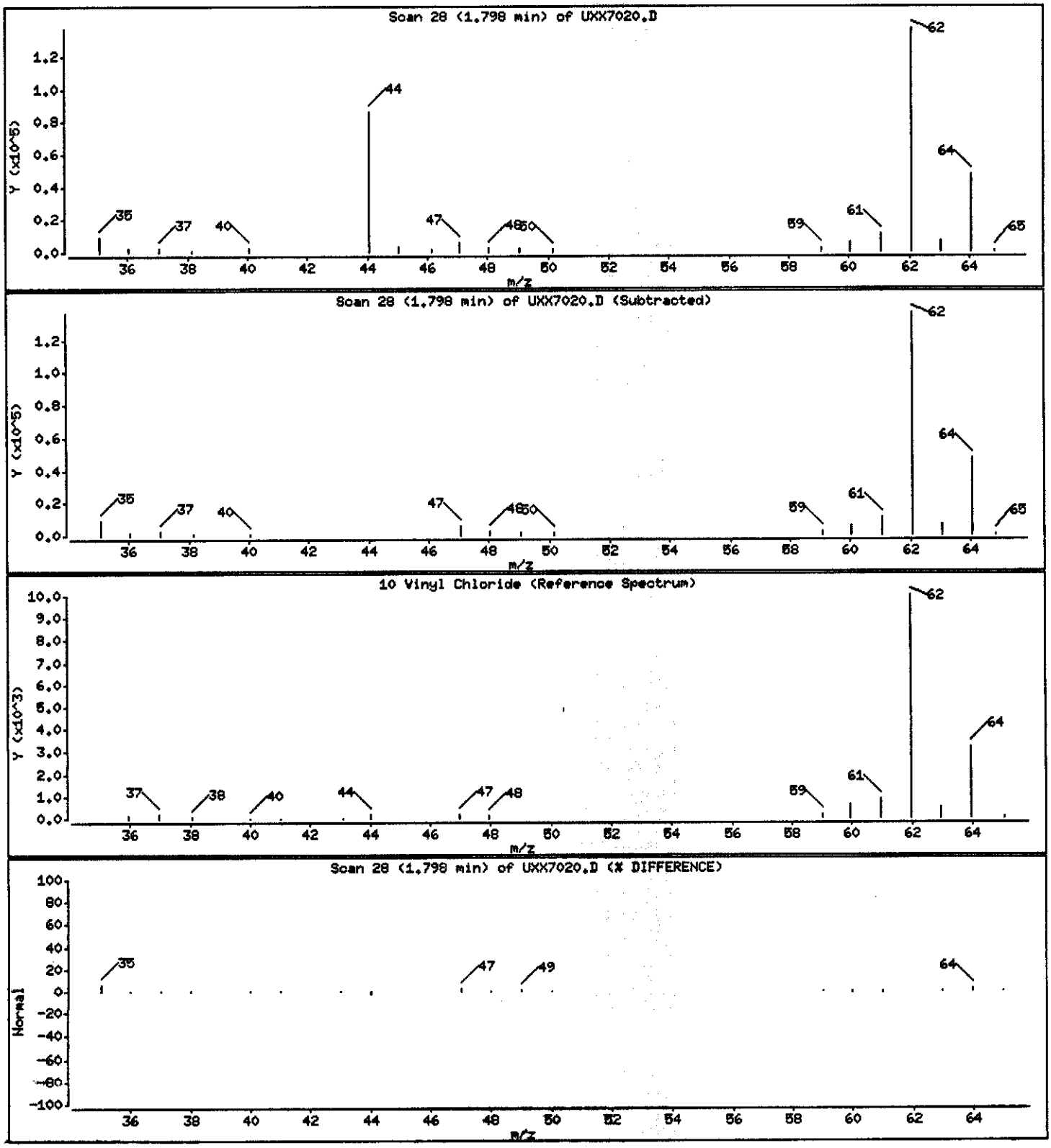
Client ID: MW31A/032904 Instrument: a3ux10.i

Sample Info: GC7GL1AF,0.175ML/5ML

Purge Volume: 0.2 Operator: 1904

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 235.15 ug/L



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Date : 06-APR-2004 22:03

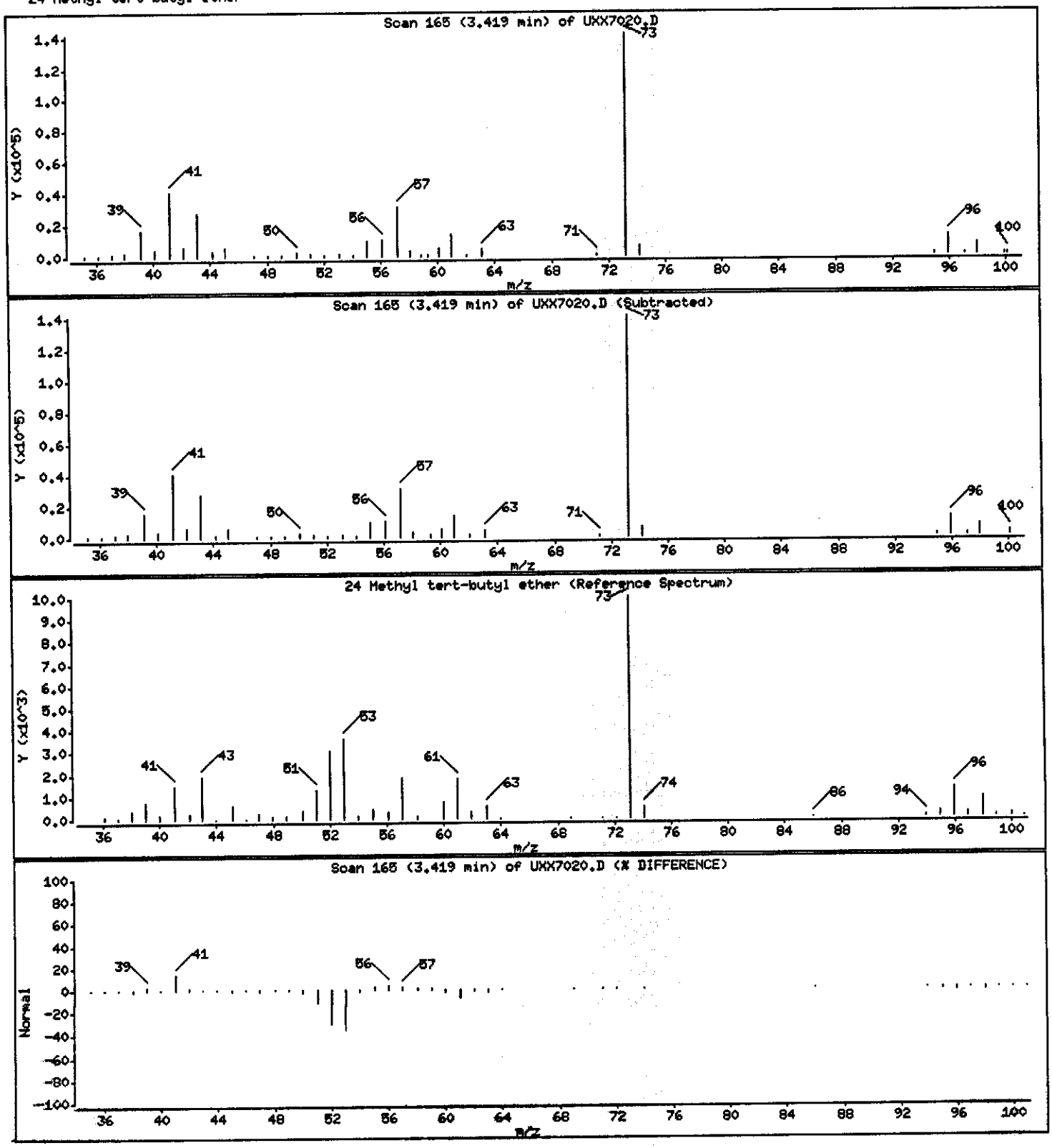
Client ID: MW31A/032904 | Instrument: a3ux10.i

Sample Info: GC7GL1AF,0.175ML/5ML

Purge Volume: 0.2 | Operator: 1904

Column phase: DB624 | Column diameter: 0.18

24 Methyl tert-butyl ether | Concentration: 93.395 ug/L



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Date : 06-APR-2004 22:03

Client ID: MW31A/032904

Instrument: a3ux10.i

Sample Info: GC7GL1AF,0.175ML/5ML

Purge Volume: 0.2

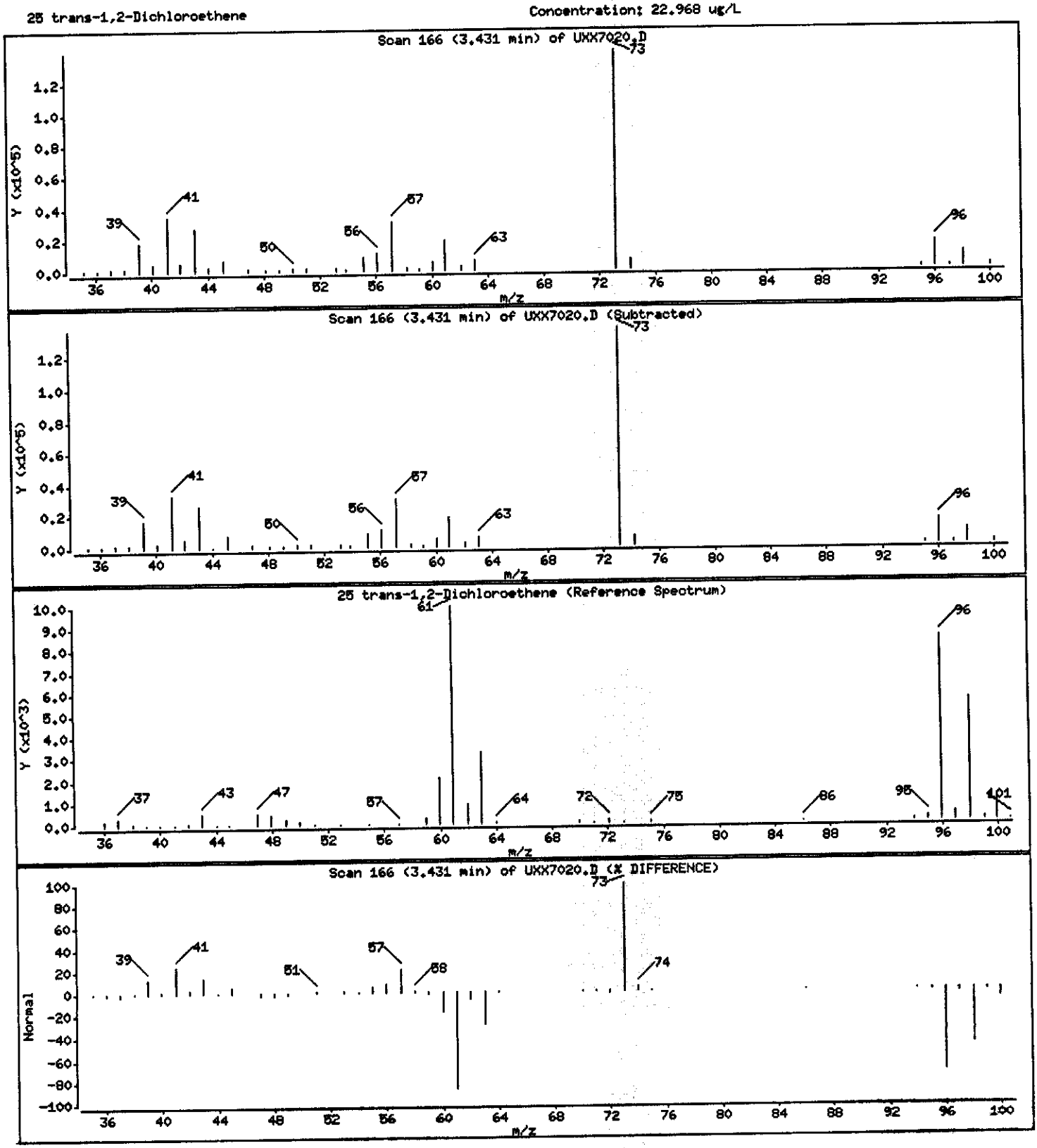
Operator: 1904

Column phase: DB624

Column diameter: 0.18

25 trans-1,2-Dichloroethene

Concentration: 22.968 ug/L



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Date : 06-APR-2004 22:03

Client ID: MW31A/032904

Instrument: a3ux10.i

Sample Info: GC7GL1AF,0.175ML/5ML

Purge Volume: 0.2

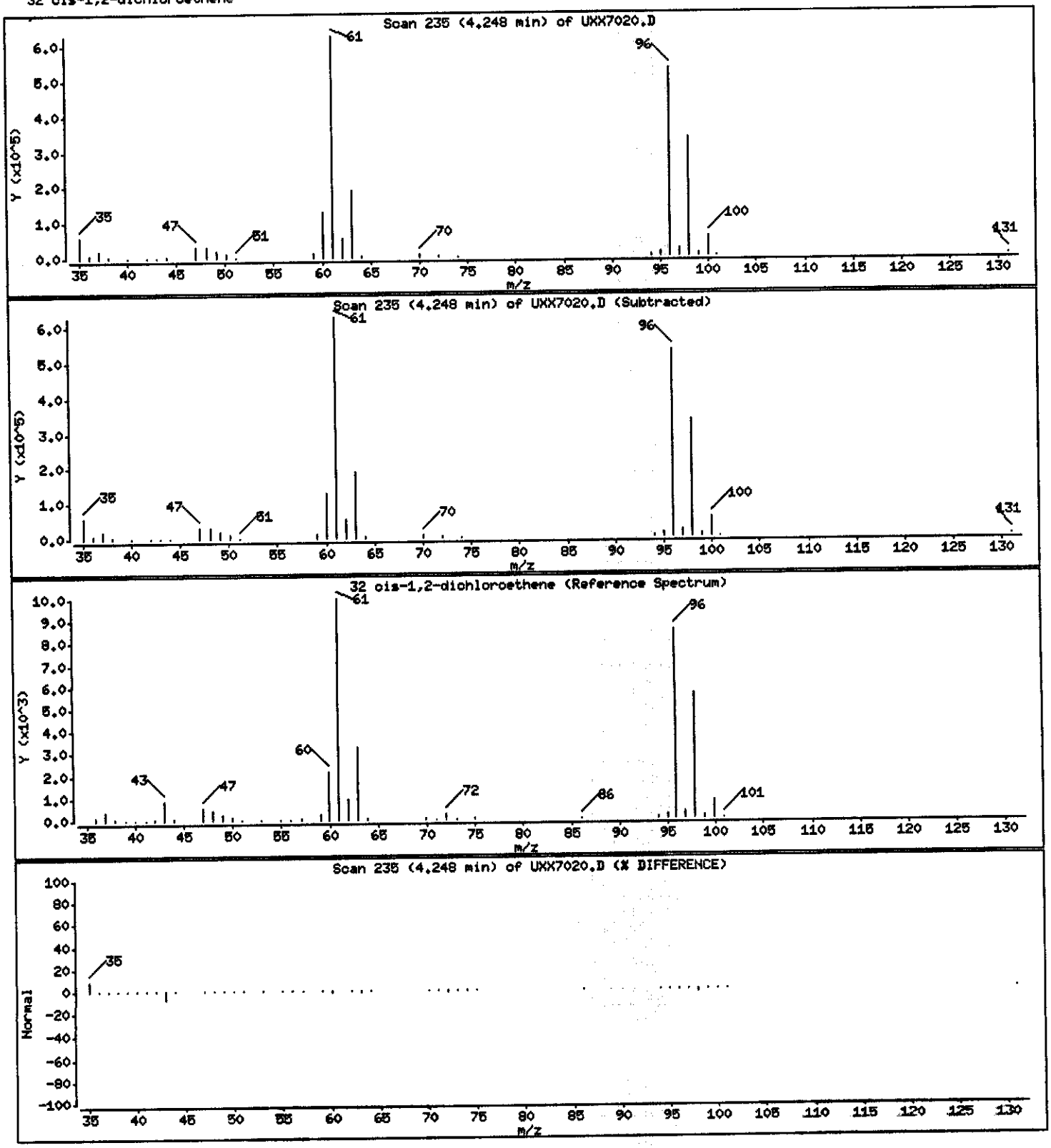
Operator: 1904

Column phase: DB624

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 771.51 ug/L



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Date : 06-APR-2004 22:03

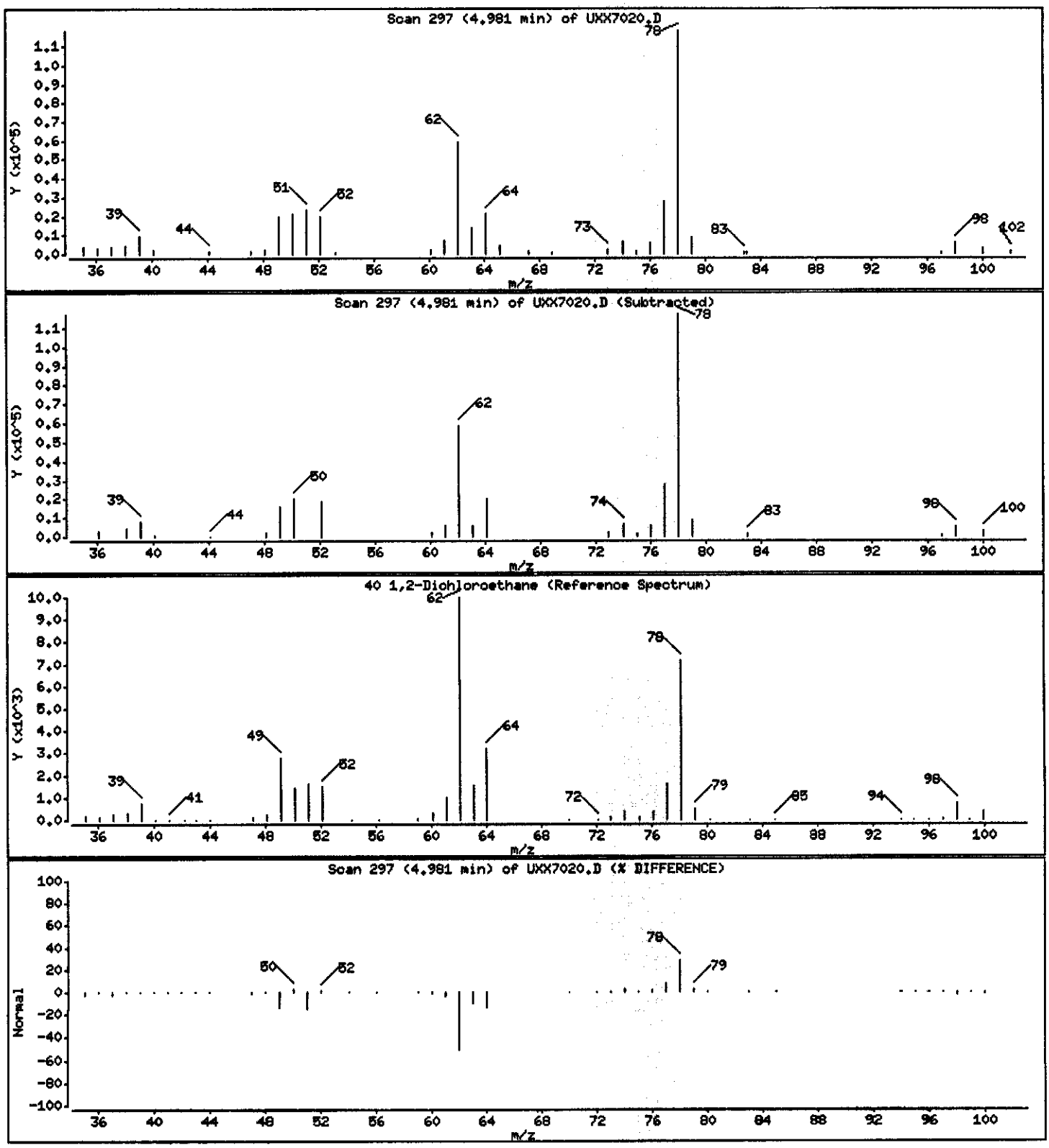
Client ID: MW31A/032904 Instrument: a3ux10.i

Sample Info: GC7GL1AF,0.175ML/5ML

Purge Volume: 0.2 Operator: 1904

Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 68.702 ug/L



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Date : 06-APR-2004 22:03

Client ID: MW31A/032904

Instrument: a3ux10.i

Sample Info: GC7GL1AF,0.175ML/5ML

Purge Volume: 0.2

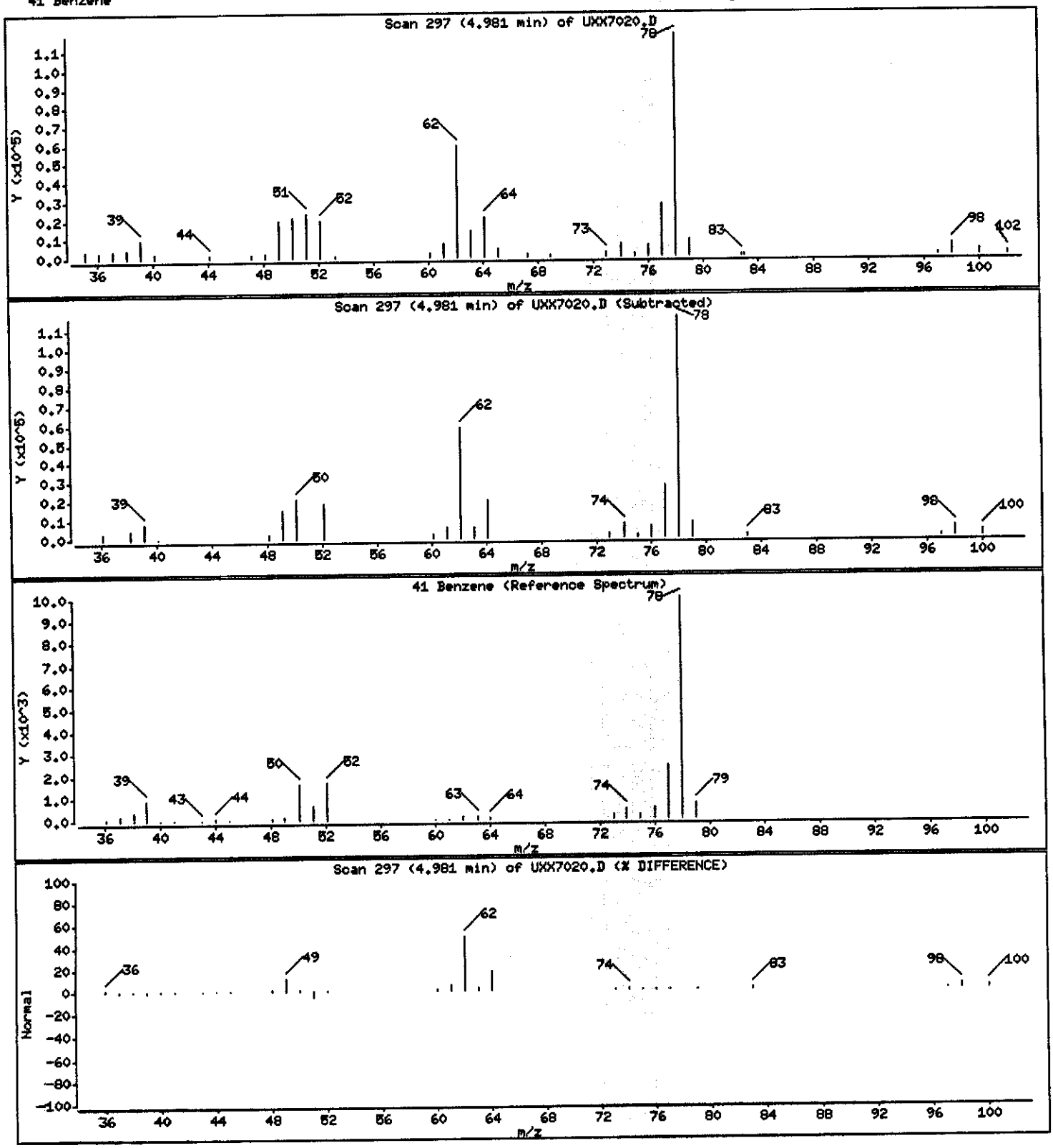
Operator: 1904

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 43.463 ug/L



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Date : 06-APR-2004 22:03

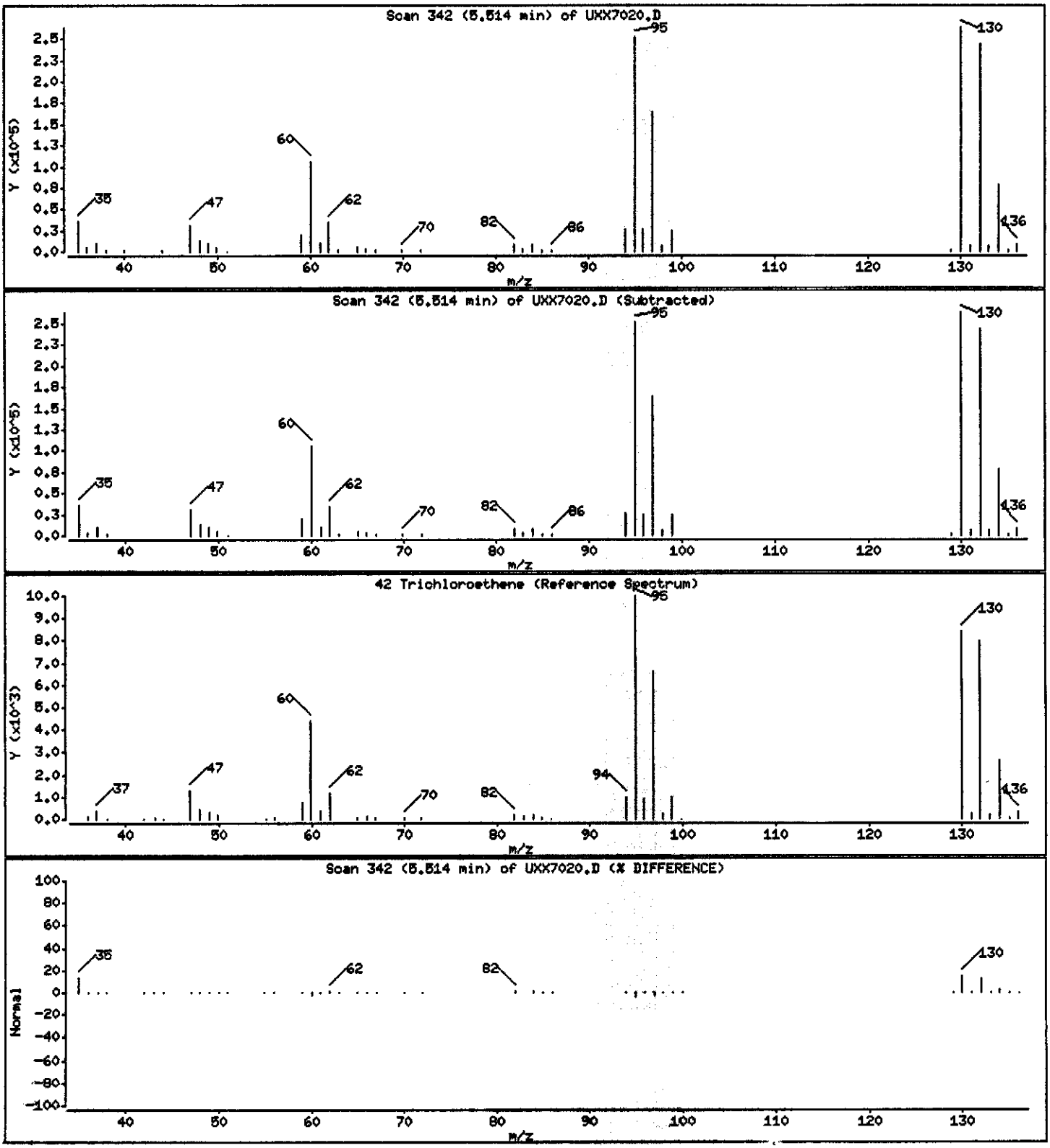
Client ID: MW31A/032904 Instrument: a3ux10.i

Sample Info: GC7GL1AF,0.175ML/5ML

Purge Volume: 0.2 Operator: 1904

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 332.33 ug/L



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Date : 06-APR-2004 22:03

Client ID: MW31A/032904

Instrument: a3ux10.i

Sample Info: GC7GL1AF,0.175ML/5ML

Purge Volume: 0.2

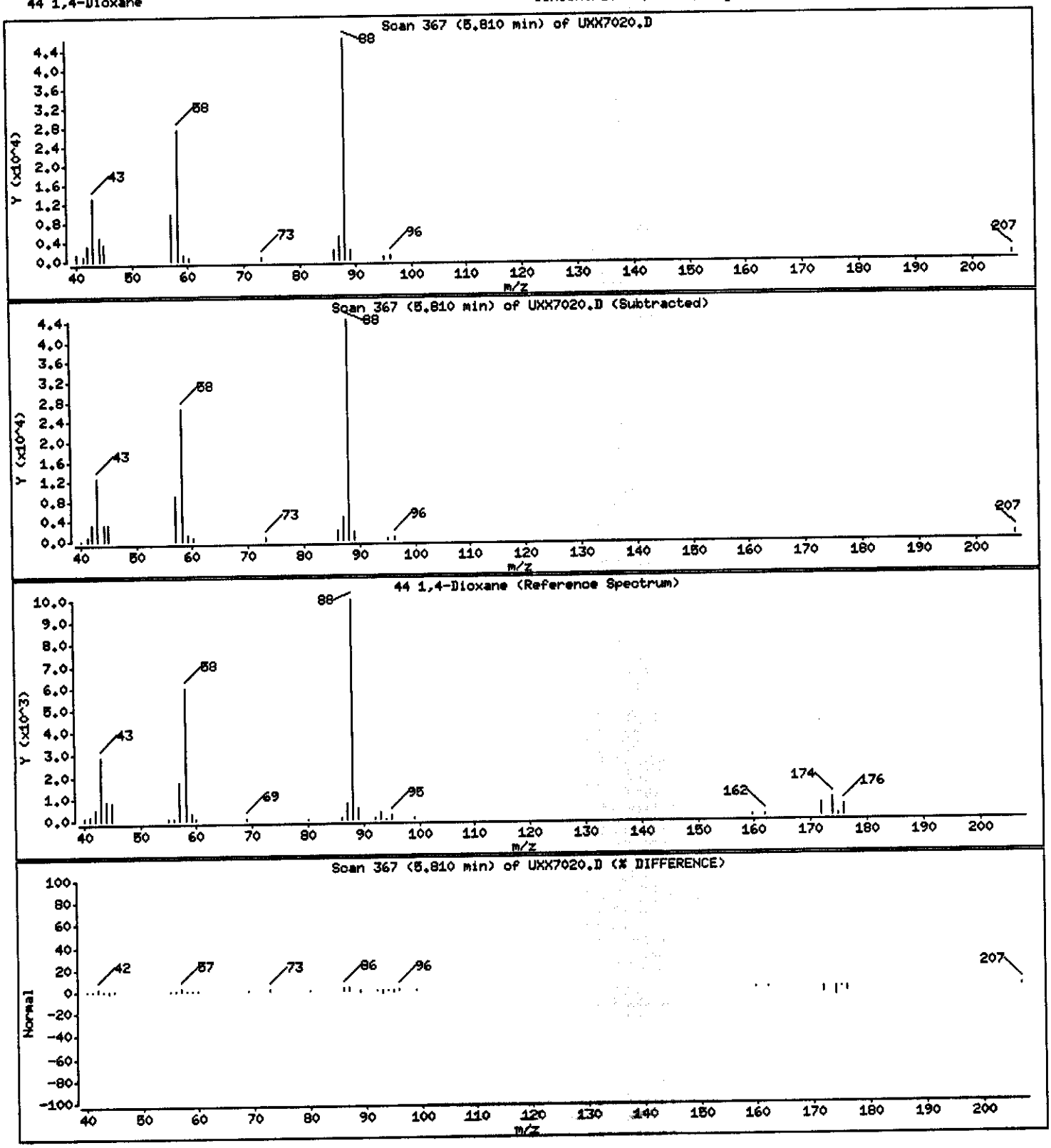
Operator: 1904

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 7313.7 ug/L



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Date : 06-APR-2004 22:03

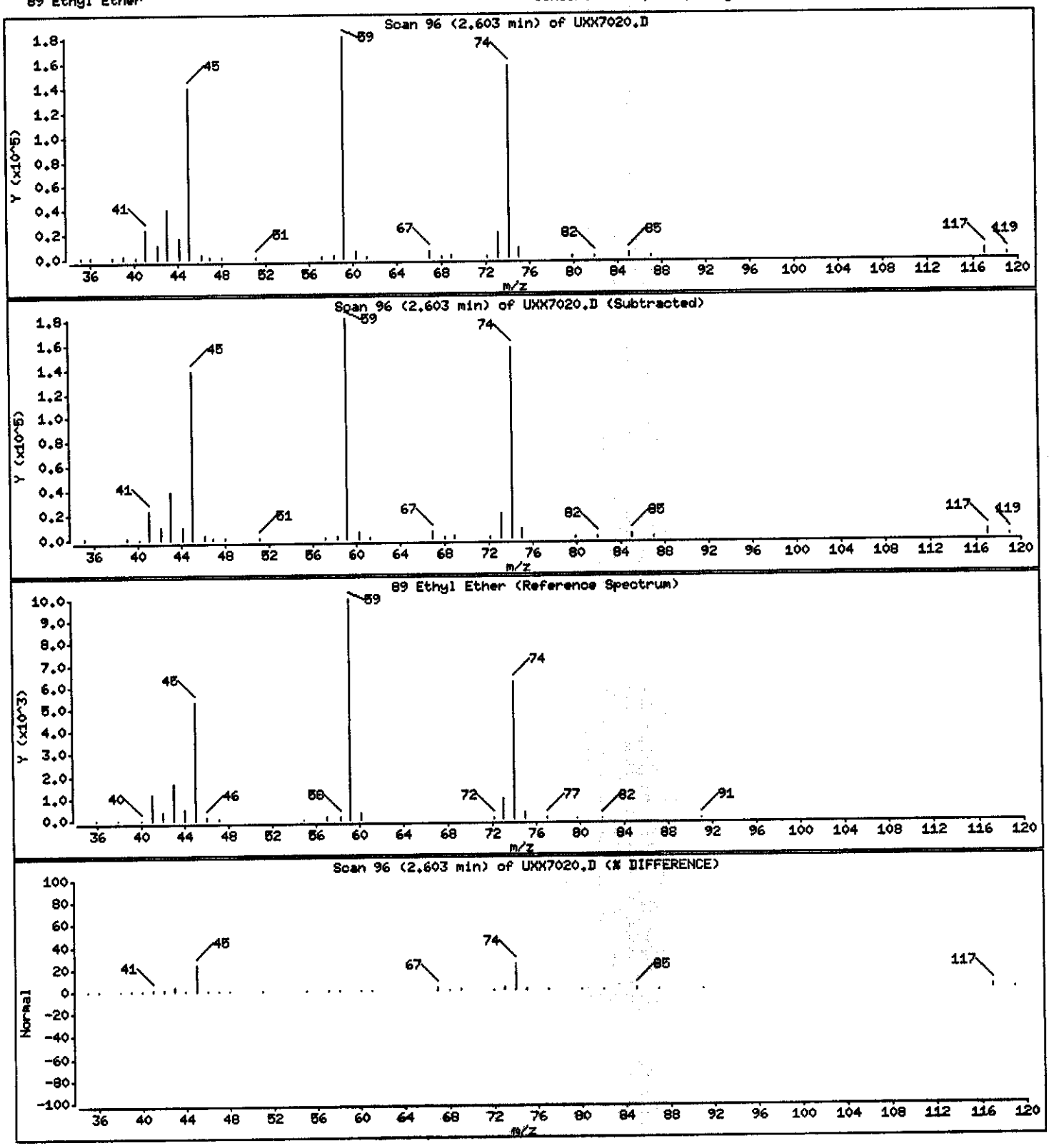
Client ID: MW31A/032904 Instrument: a3ux10.i

Sample Info: GC7GL1AF,0.175ML/5ML

Purge Volume: 0.2 Operator: 1904

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 333.84 ug/L



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Date : 06-APR-2004 22:03

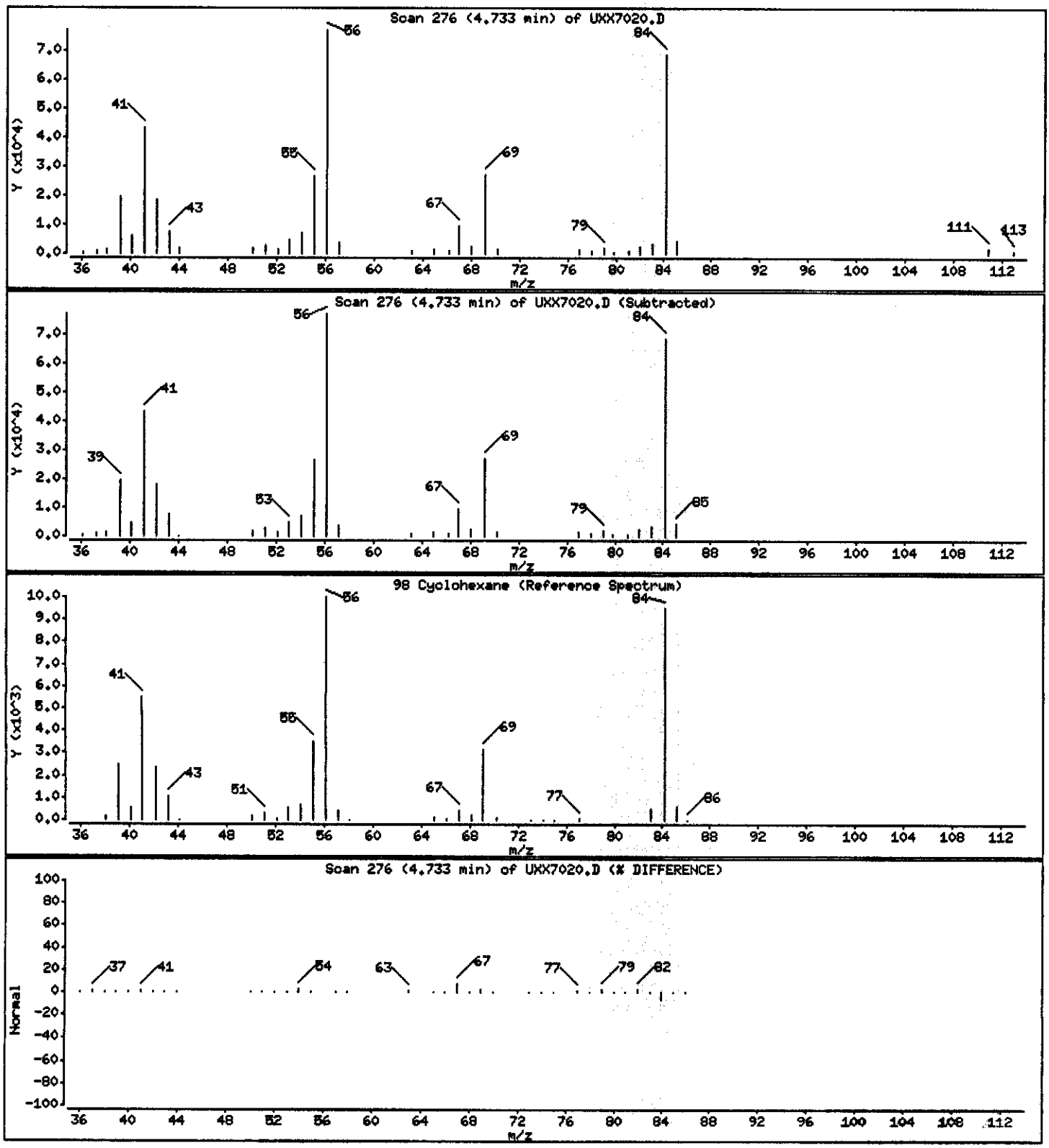
Client ID: MW31A/032904 | Instrument: a3ux10.i

Sample Info: GC7GL1AF,0.175ML/5ML

Purge Volume: 0.2 | Operator: 1904

Column phase: DB624 | Column diameter: 0.18

98 Cyclohexane | Concentration: 94.673 ug/L



PAYNE FIRM INC.

Client Sample ID: MW30/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-005 **Work Order #...:** GC7GM1AF **Matrix.....:** WG
Date Sampled...: 03/29/04 14:15 **Date Received..:** 03/30/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
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	**1.0**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW30/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-005 **Work Order #...:** GC7GM1AF **Matrix.....:** WG

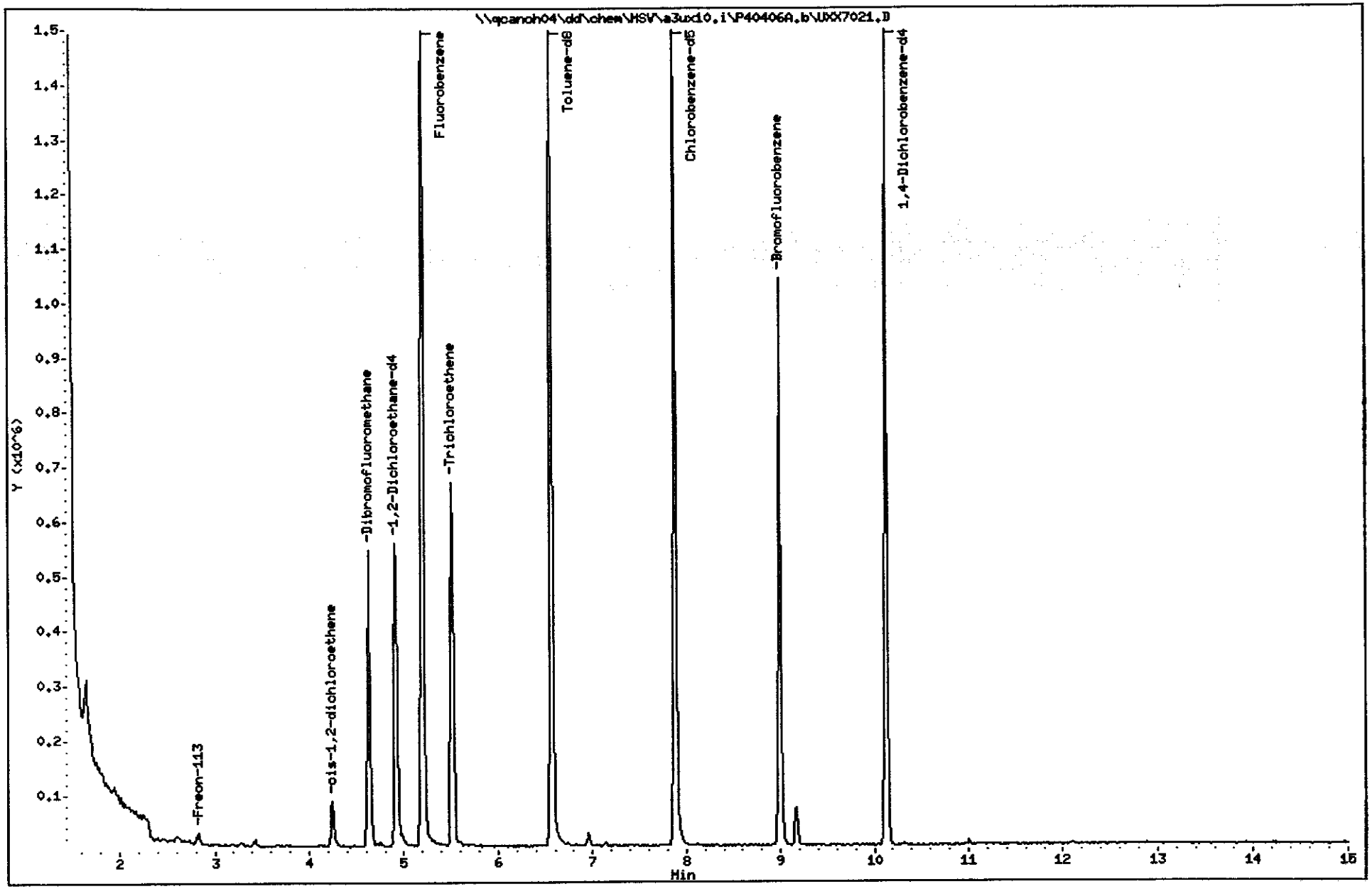
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	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	**5.7**	**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	115	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40406A.b\UXX7021.D
Date : 06-APR-2004 22:26
Client ID: MW30/032904
Sample Info: GC7GH1AF,5HL/5HL
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7021.D
Report Date: 08-Apr-2004 14:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7021.D
Lab Smp Id: GC7GM1AF Client Smp ID: MW30/032904
Inj Date : 06-APR-2004 22:26
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GC7GM1AF,5ML/5ML
Misc Info : P40406A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 14:15 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.206	5.205	(1.000)	1779952	50.0000	
* 2 Chlorobenzene-d5	117	7.880	7.879	(1.000)	1215682	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.128	10.127	(1.000)	533712	50.0000	
$ 4 Dibromofluoromethane	113	4.626	4.625	(0.889)	378105	57.6105	11.522
$ 5 1,2-Dichloroethane-d4	65	4.910	4.909	(0.943)	434666	51.6091	10.322
$ 6 Toluene-d8	98	6.567	6.566	(0.833)	1285780	49.4998	9.900
$ 7 Bromofluorobenzene	95	8.992	8.992	(1.141)	433983	48.6553	9.731
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	2.827	2.827	(0.543)	8110	1.64479	0.3290
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7021.D
Report Date: 08-Apr-2004 14:23

	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	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				42382	5.20033	1.040
	32 cis-1,2-dichloroethene	96	4.247	4.247	(0.816)	42382	5.20033	1.040
	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	5.514	5.513	(1.059)	262853	28.6445	5.729
	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.					
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7021.D
Report Date: 08-Apr-2004 14:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS 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\a3ux10.i\P40406A.b\UXX7021.D

Date : 06-APR-2004 22:26

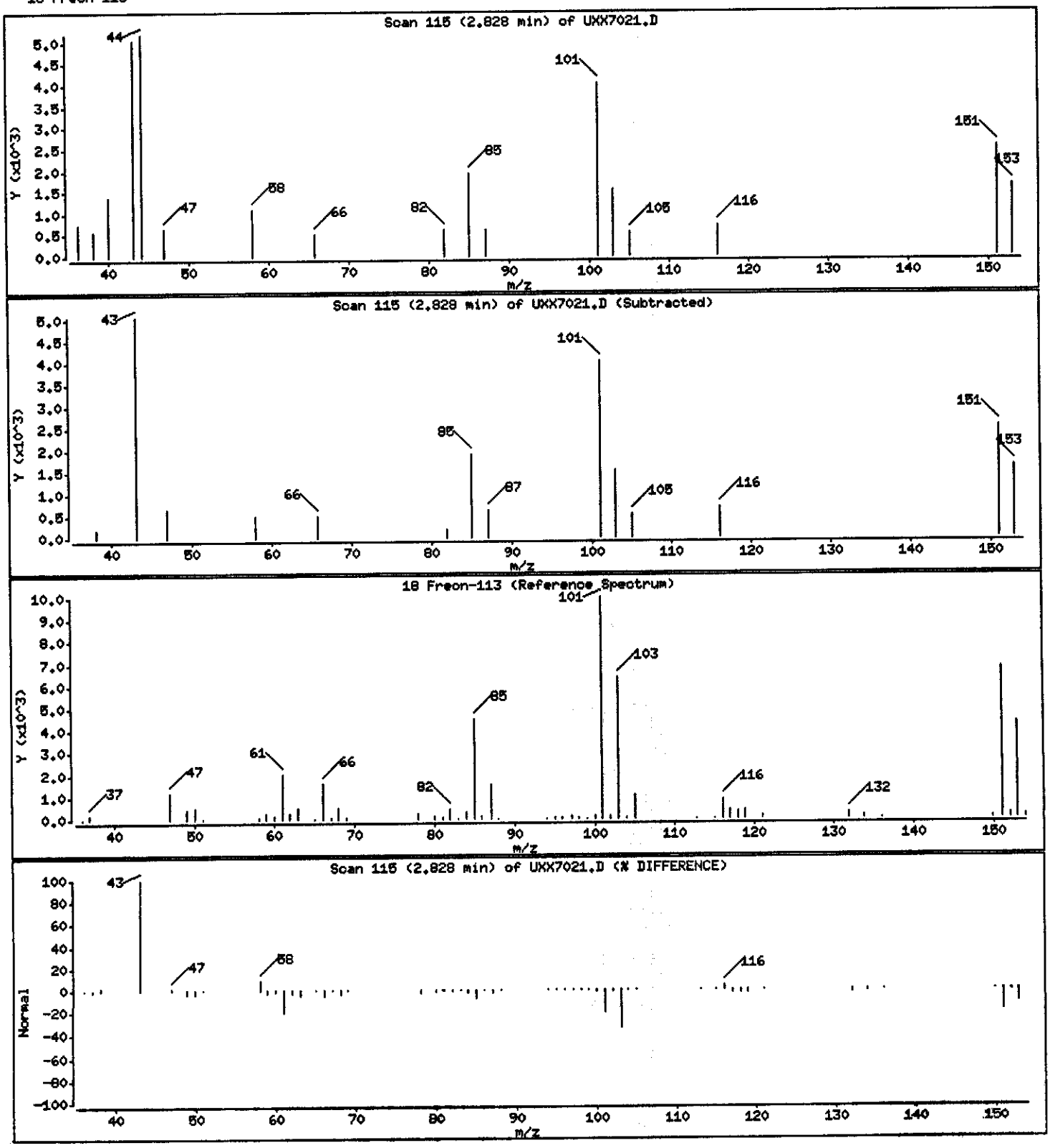
Client ID: MW30/032904 Instrument: a3ux10.i

Sample Info: GC7GM1AF,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

18 Freon-113 Concentration: 0.3290 ug/L



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Date : 06-APR-2004 22:26

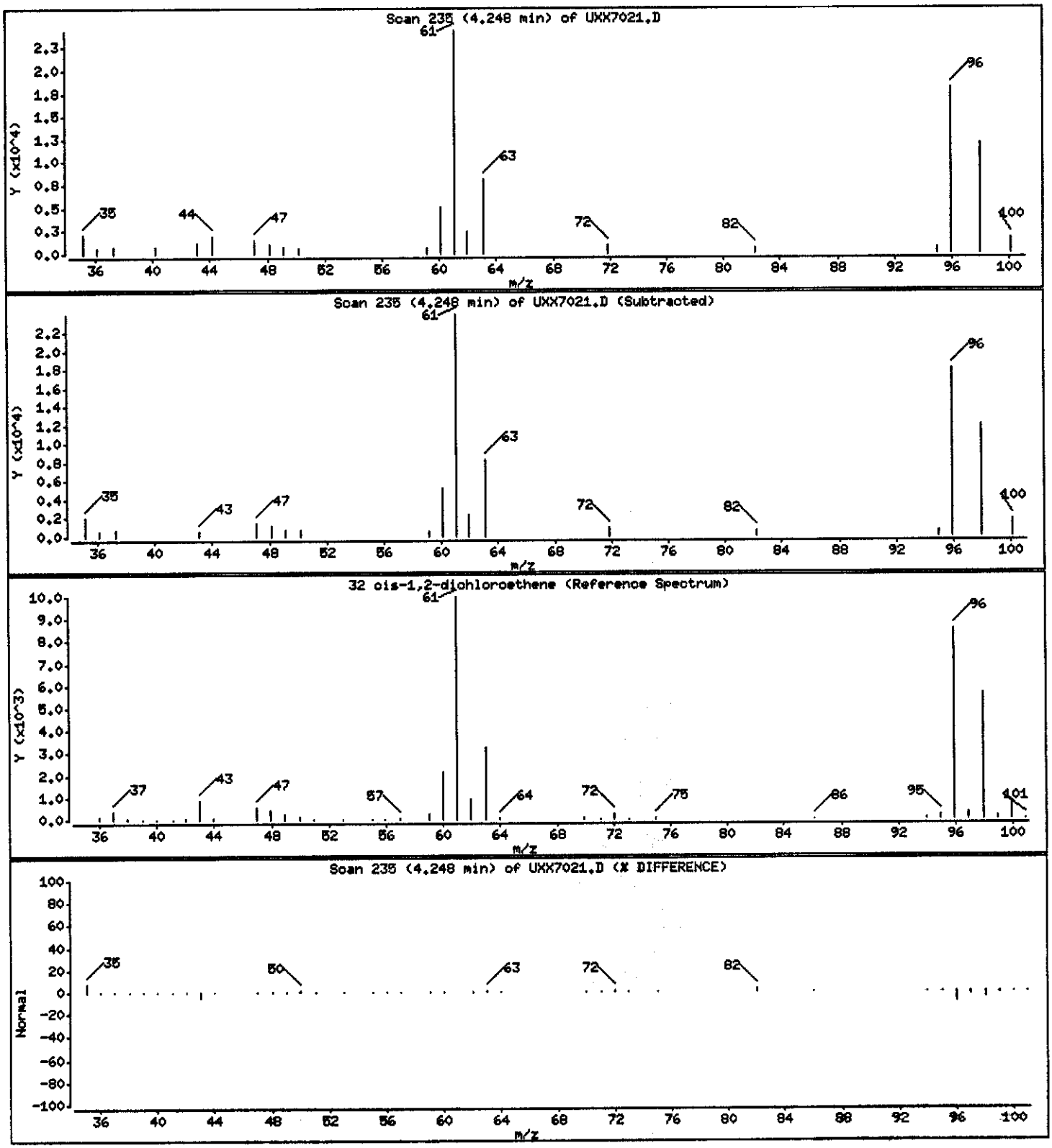
Client ID: MW30/032904 Instrument: a3ux10.i

Sample Info: GC7GM1AF,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 1.040 ug/L



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Date : 06-APR-2004 22:26

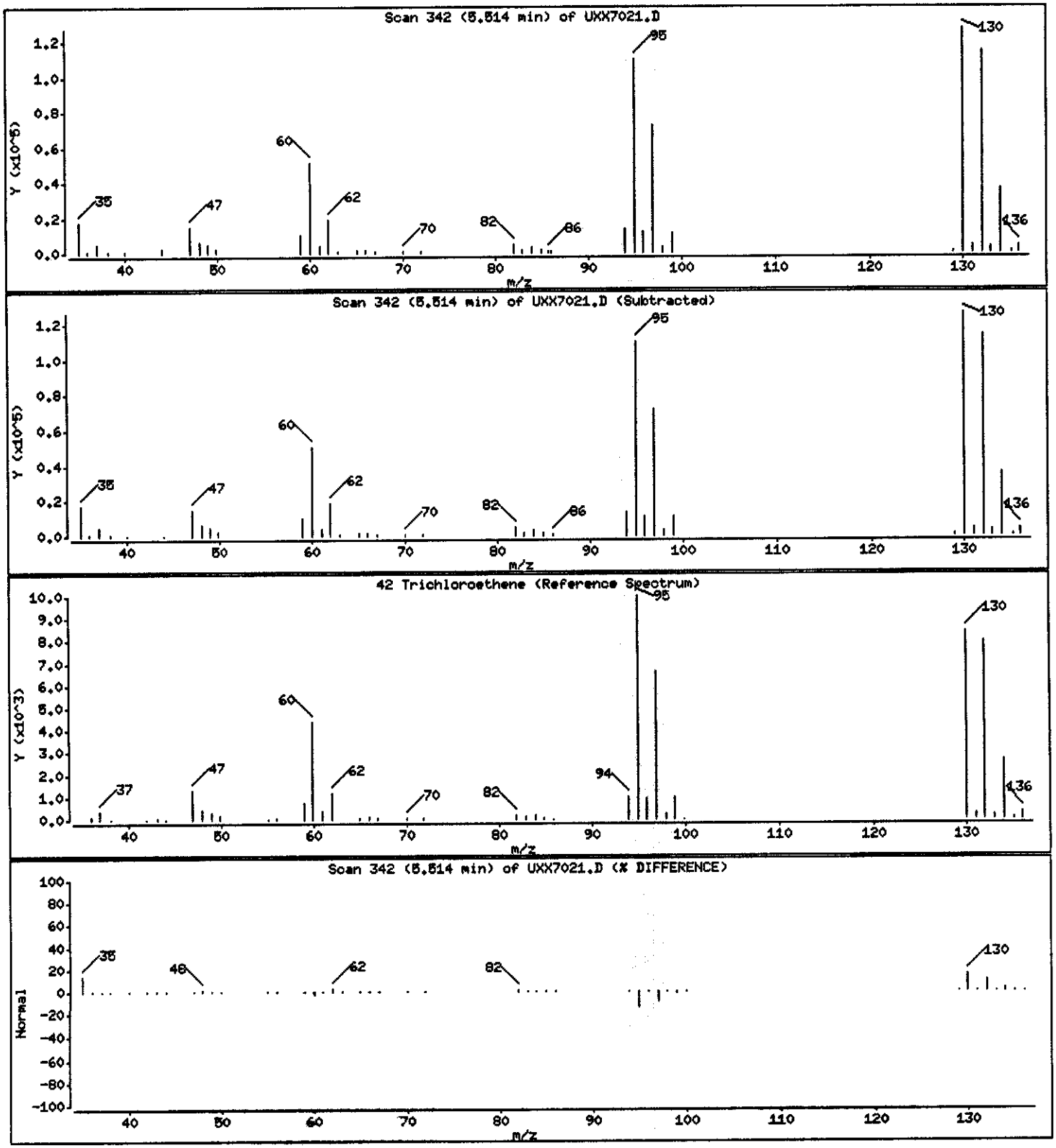
Client ID: MW30/032904 Instrument: a3ux10.i

Sample Info: GC7GM1AF,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 5.729 ug/L



PAYNE FIRM INC.

Client Sample ID: MW15B/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-006 **Work Order #...:** GC7GN1AF **Matrix.....:** WG
Date Sampled...: 03/29/04 10:40 **Date Received..:** 03/30/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW15B/032904

GC/MS Volatiles

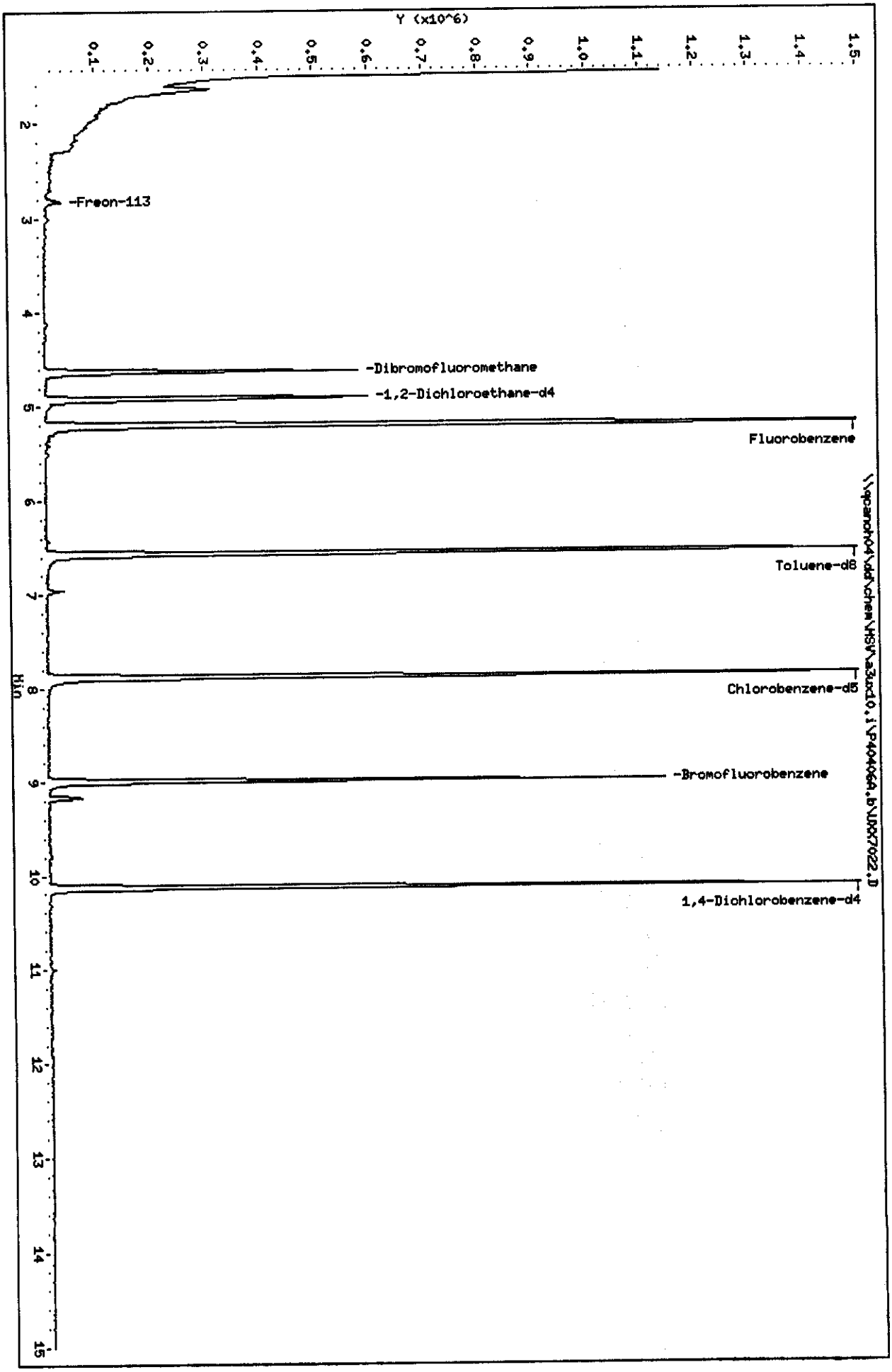
Lot-Sample #...: A4C300268-006 **Work Order #...:** GC7GN1AF **Matrix.....:** WG

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	110	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P404066A.b\UXX7022.D
Date : 06-APR-2004 22:50
Client ID: MW15B/032904
Sample Info: GC7GN16F,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7022.D
Report Date: 08-Apr-2004 14:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7022.D
Lab Smp Id: GC7GN1AF Client Smp ID: MW15B/032904
Inj Date : 06-APR-2004 22:50
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GC7GN1AF,5ML/5ML
Misc Info : P40406A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 14:15 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.206	5.205	(1.000)	1896475	50.0000	
* 2 Chlorobenzene-d5	117	7.880	7.879	(1.000)	1274274	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.128	10.127	(1.000)	571552	50.0000	
$ 4 Dibromofluoromethane	113	4.626	4.625	(0.889)	385538	55.1338	11.027
$ 5 1,2-Dichloroethane-d4	65	4.910	4.909	(0.943)	454512	50.6498	10.130
$ 6 Toluene-d8	98	6.567	6.566	(0.833)	1357286	49.8500	9.970
$ 7 Bromofluorobenzene	95	8.992	8.992	(1.141)	458470	49.0371	9.807
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	2.828	2.827	(0.543)	6699	1.27514	0.2550
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7022.D
Report Date: 08-Apr-2004 14:24

	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	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7022.D
Report Date: 08-Apr-2004 14:24

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: \\qcanch04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7022.D

Date : 06-APR-2004 22:50

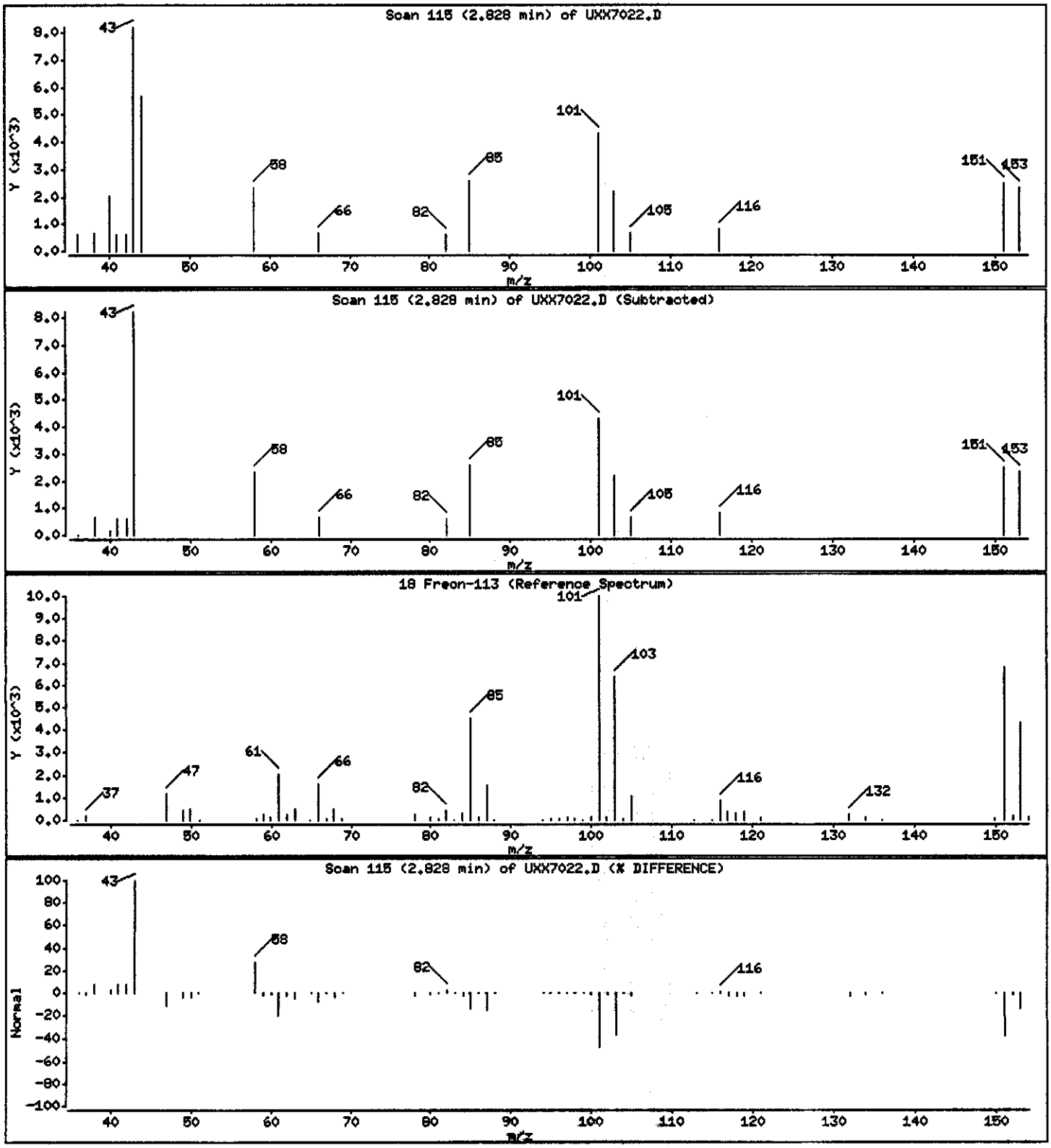
Client ID: MW15B/032904 Instrument: a3ux10.i

Sample Info: GC7GN1AF,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

18 Freon-113 Concentration: 0.2550 ug/L



PAYNE FIRM INC.

Client Sample ID: MW31C/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-007 **Work Order #...:** GC7GP1AF **Matrix.....:** WG
Date Sampled...: 03/29/04 15:35 **Date Received..:** 03/30/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
Dilution Factor: 40 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	400	ug/L
Acetonitrile	ND	800	ug/L
Acrolein	ND	800	ug/L
Acrylonitrile	ND	800	ug/L
Benzene	ND	40	ug/L
Bromodichloromethane	ND	40	ug/L
Bromoform	ND	40	ug/L
Bromomethane	ND	40	ug/L
2-Butanone	ND	400	ug/L
Carbon disulfide	ND	40	ug/L
Carbon tetrachloride	ND	40	ug/L
Chlorobenzene	ND	40	ug/L
Chloroprene	ND	80	ug/L
Dibromochloromethane	ND	40	ug/L
Chloroethane	ND	40	ug/L
Chloroform	ND	40	ug/L
Chloromethane	ND	40	ug/L
3-Chloropropene	ND	80	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	80	ug/L
1,2-Dibromoethane	ND	40	ug/L
Dibromomethane	ND	40	ug/L
trans-1,4-Dichloro-2-butene	ND	40	ug/L
1,1-Dichloroethane	ND	40	ug/L
1,2-Dichloroethane	**45**	**40**	**ug/L**
cis-1,2-Dichloroethene	ND	40	ug/L
trans-1,2-Dichloroethene	ND	40	ug/L
1,1-Dichloroethene	ND	40	ug/L
1,2-Dichloroethene (total)	ND	80	ug/L
Dichlorofluoromethane	ND	80	ug/L
1,2-Dichloropropane	ND	40	ug/L
cis-1,3-Dichloropropene	ND	40	ug/L
trans-1,3-Dichloropropene	ND	40	ug/L
1,4-Dioxane	**12000**	**8000**	**ug/L**
Ethylbenzene	ND	40	ug/L
Ethyl methacrylate	ND	40	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW31C/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-007 **Work Order #...:** GC7GP1AF **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	400	ug/L
Iodomethane	ND	40	ug/L
Isobutanol	ND	2000	ug/L
Methacrylonitrile	ND	80	ug/L
Methylene chloride	**99**	**40**	**ug/L**
Methyl methacrylate	ND	80	ug/L
4-Methyl-2-pentanone	ND	400	ug/L
Propionitrile	ND	160	ug/L
Styrene	ND	40	ug/L
1,1,1,2-Tetrachloroethane	ND	40	ug/L
1,1,2,2-Tetrachloroethane	ND	40	ug/L
Tetrachloroethene	ND	40	ug/L
Toluene	ND	40	ug/L
1,1,1-Trichloroethane	ND	40	ug/L
1,1,2-Trichloroethane	ND	40	ug/L
Trichloroethene	ND	40	ug/L
Trichlorofluoromethane	ND	40	ug/L
1,2,3-Trichloropropane	ND	40	ug/L
Vinyl acetate	ND	80	ug/L
Vinyl chloride	ND	40	ug/L
Xylenes (total)	ND	80	ug/L

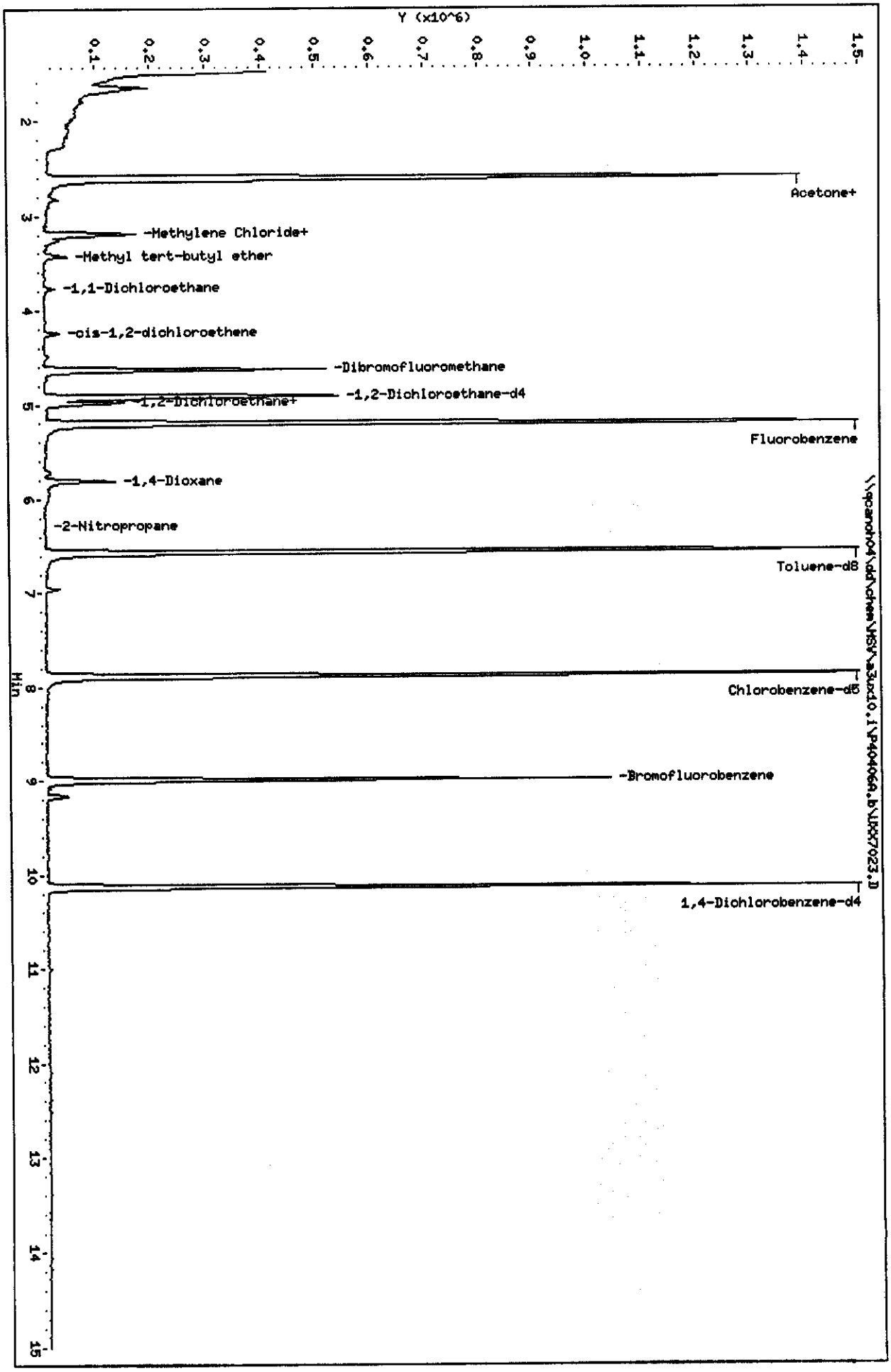
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)

NOTE(S):

Elevated reporting limits due to TICs.

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P404066A.b\UXX7023.D
Date : 06-APR-2004 23:12
Client ID: HW31C/032904
Sample Info: GC7GP1NF,0.12EHL/5HL
Purge Volume: 0.1
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7023.D
Report Date: 08-Apr-2004 14:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7023.D
Lab Smp Id: GC7GP1AF Client Smp ID: MW31C/032904
Inj Date : 06-APR-2004 23:12
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GC7GP1AF,0.125ML/5ML
Misc Info : P40406A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 14:15 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.125	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.204	5.205	(1.000)	1764298	50.0000	
* 2 Chlorobenzene-d5	117	7.879	7.879	(1.000)	1197927	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	(1.000)	544528	50.0000	
$ 4 Dibromofluoromethane	113	4.636	4.625	(0.891)	373164	57.3621	458.90
$ 5 1,2-Dichloroethane-d4	65	4.920	4.909	(0.945)	437450	52.4005	419.20
$ 6 Toluene-d8	98	6.565	6.566	(0.833)	1304054	50.9474	407.58
$ 7 Bromofluorobenzene	95	8.991	8.992	(1.141)	437315	49.7555	398.04
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.826	2.815	(0.543)	30997	4.98562	39.885
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7023.D
Report Date: 08-Apr-2004 14:24

	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	3.193	3.193	(0.614)	93732	12.3218	98.574
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.430	3.418	(0.659)	43216	2.06552	16.524
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.773	3.773	(0.725)	22238	1.76820	14.146
	29 tert-Butyl Alcohol	59	3.264	3.253	(0.627)	33734	34.0737	272.59
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				13122	1.62437	12.995
	32 cis-1,2-dichloroethene	96	4.246	4.247	(0.816)	13122	1.62437	12.995
	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	4.980	4.980	(0.957)	56800	5.61817	44.945
	41 Benzene	78	4.980	4.980	(0.957)	83247	2.65072	21.206
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.808	5.808	(1.116)	124846	1489.31	11914(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7023.D
Report Date: 08-Apr-2004 14:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.601	2.600	(0.500)	973761	146.390	1171.1
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	6.222	6.102	(1.196)	366	4.50943	36.075
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

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7023.D

Date : 06-APR-2004 23:12

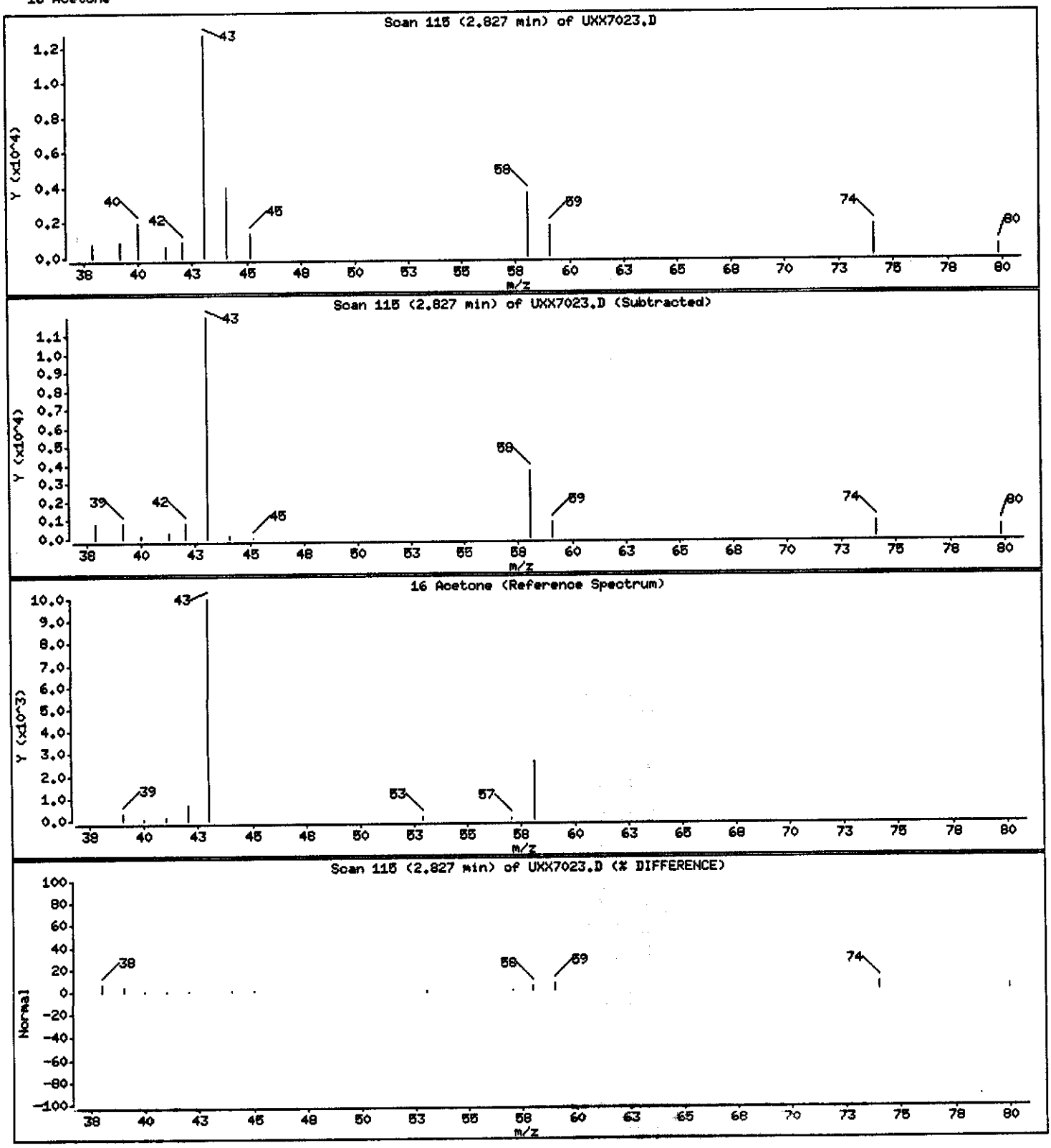
Client ID: MW31C/032904 Instrument: a3ux10.i

Sample Info: GC7GP1AF,0.125ML/5ML

Purge Volume: 0.1 Operator: 1904

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 39.885 ug/L



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Date : 06-APR-2004 23:12

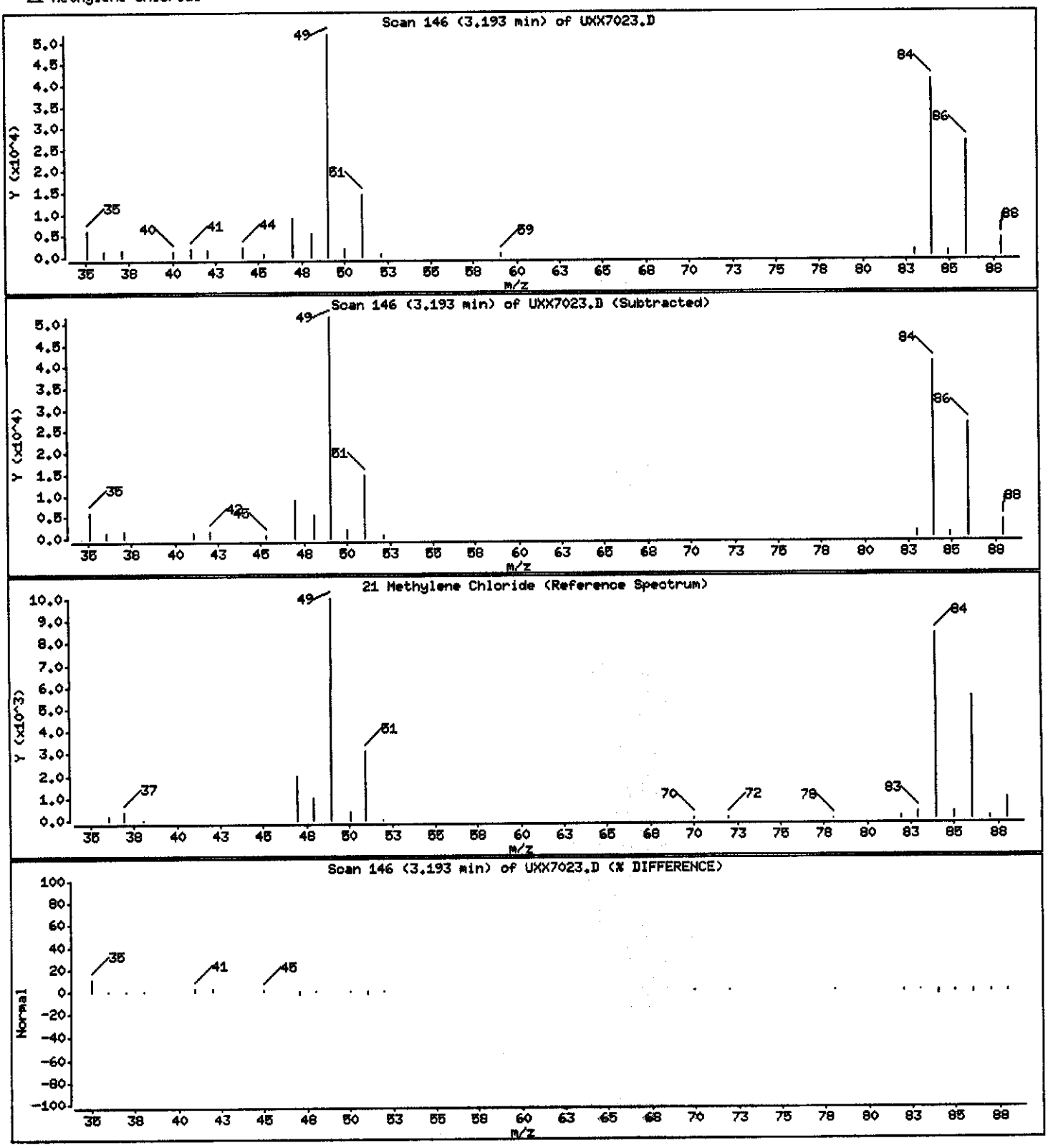
Client ID: MW31C/032904 Instrument: a3ux10.i

Sample Info: GC7GP1AF,0.125ML/5ML

Purge Volume: 0.1 Operator: 1904

Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 98.574 ug/L



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Date : 06-APR-2004 23:12

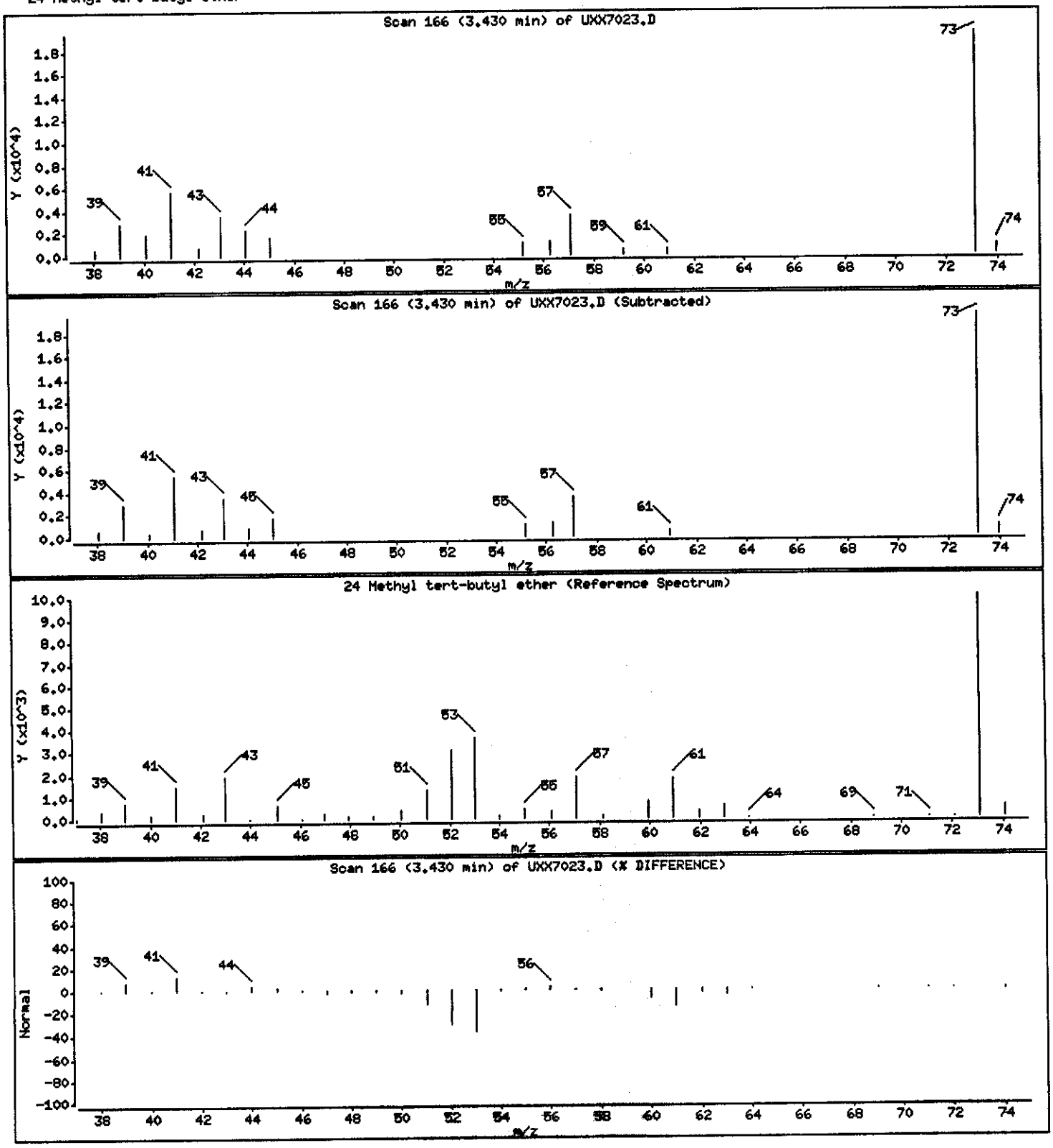
Client ID: MW31C/032904 Instrument: a3ux10.i

Sample Info: GC7GP1AF,0.125ML/5ML

Purge Volume: 0.1 Operator: 1904

Column phase: DB624 Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 16.524 ug/L



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Date : 06-APR-2004 23:12

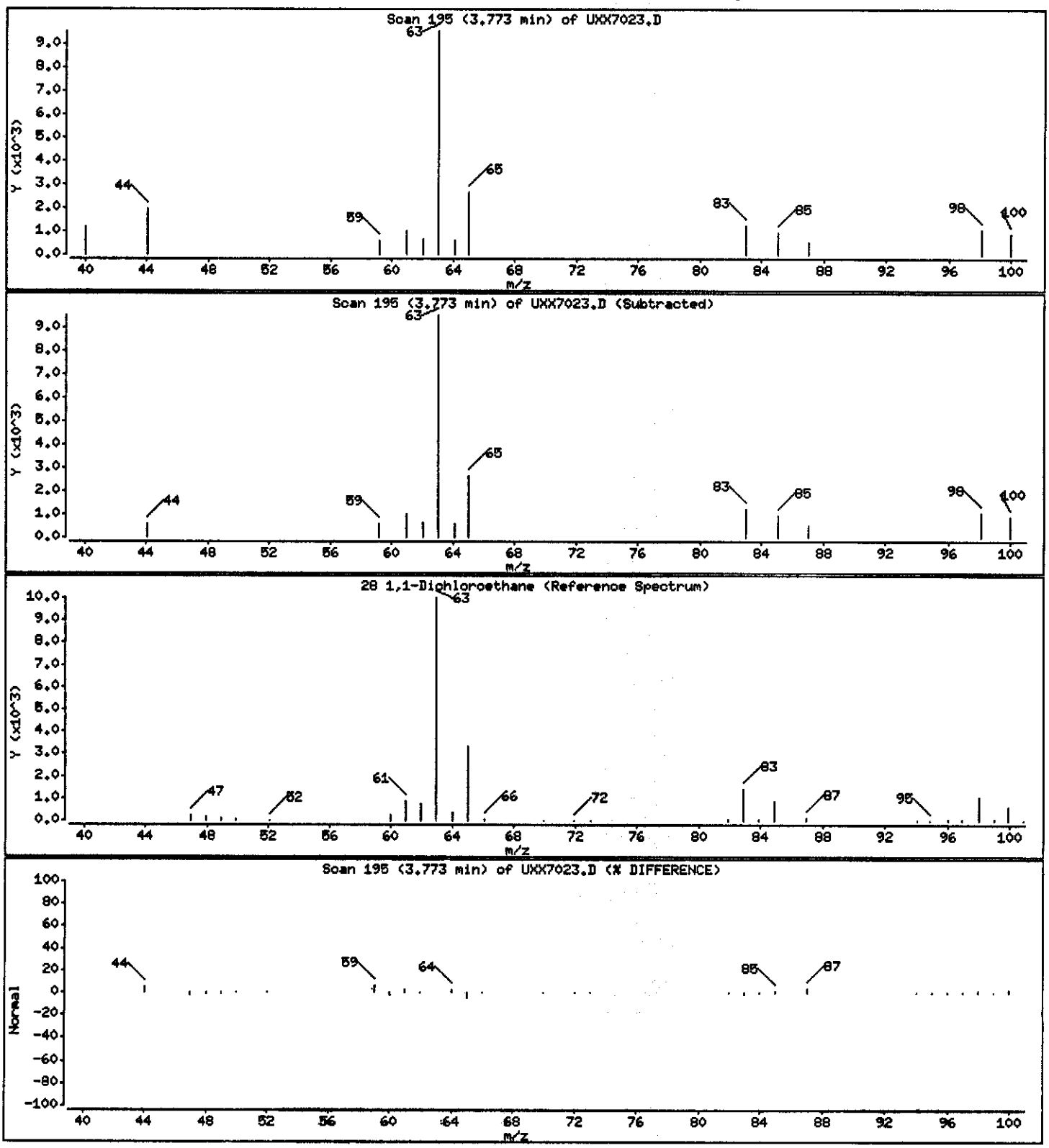
Client ID: MW31C/032904 Instrument: a3ux10.i

Sample Info: GC7GP1AF,0.125ML/5ML

Purge Volume: 0.1 Operator: 1904

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 14.146 ug/L



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Date : 06-APR-2004 23:12

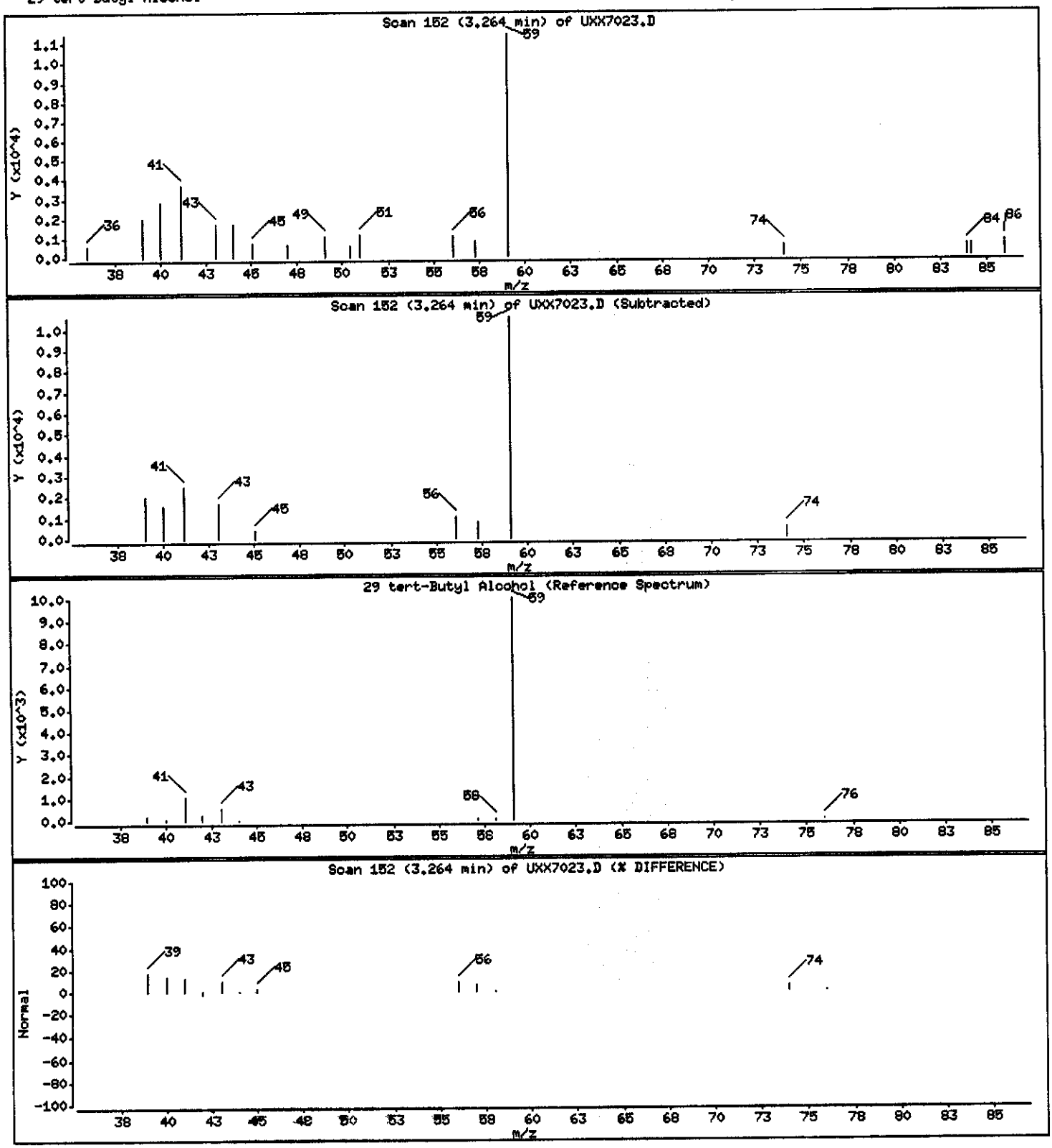
Client ID: MW31C/032904 Instrument: a3ux10.i

Sample Info: GC7GP1AF,0.125ML/5ML

Purge Volume: 0.1 Operator: 1904

Column phase: DB624 Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 272.59 ug/L



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Date : 06-APR-2004 23:12

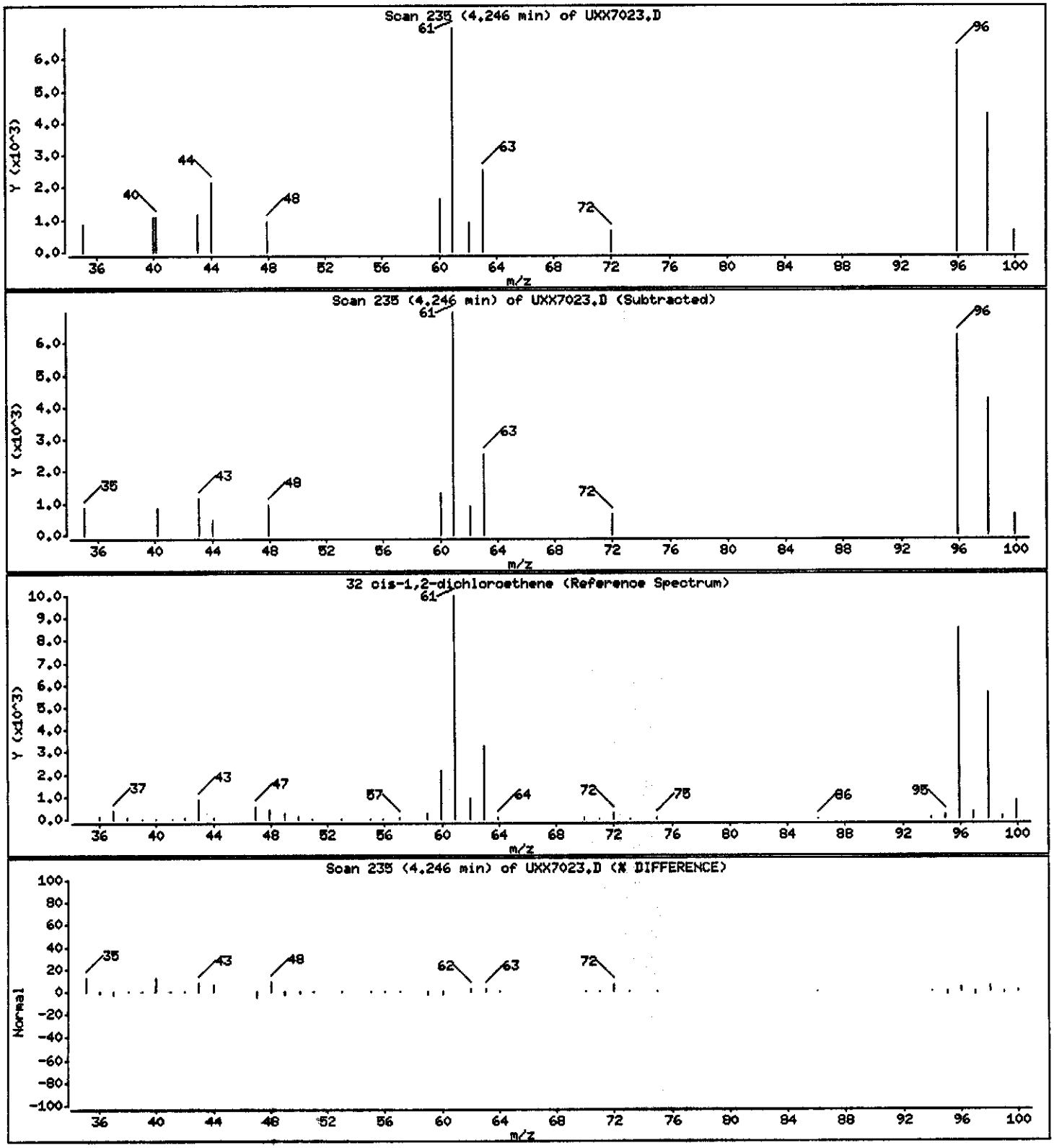
Client ID: MW31C/032904 Instrument: a3ux10.i

Sample Info: GC7GP1AF,0.125ML/5ML

Purge Volume: 0.1 Operator: 1904

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 12.995 ug/L



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Date : 06-APR-2004 23:12

Client ID: MW31C/032904

Instrument: a3ux10.i

Sample Info: GC7GP1AF,0.125ML/5ML

Purge Volume: 0.1

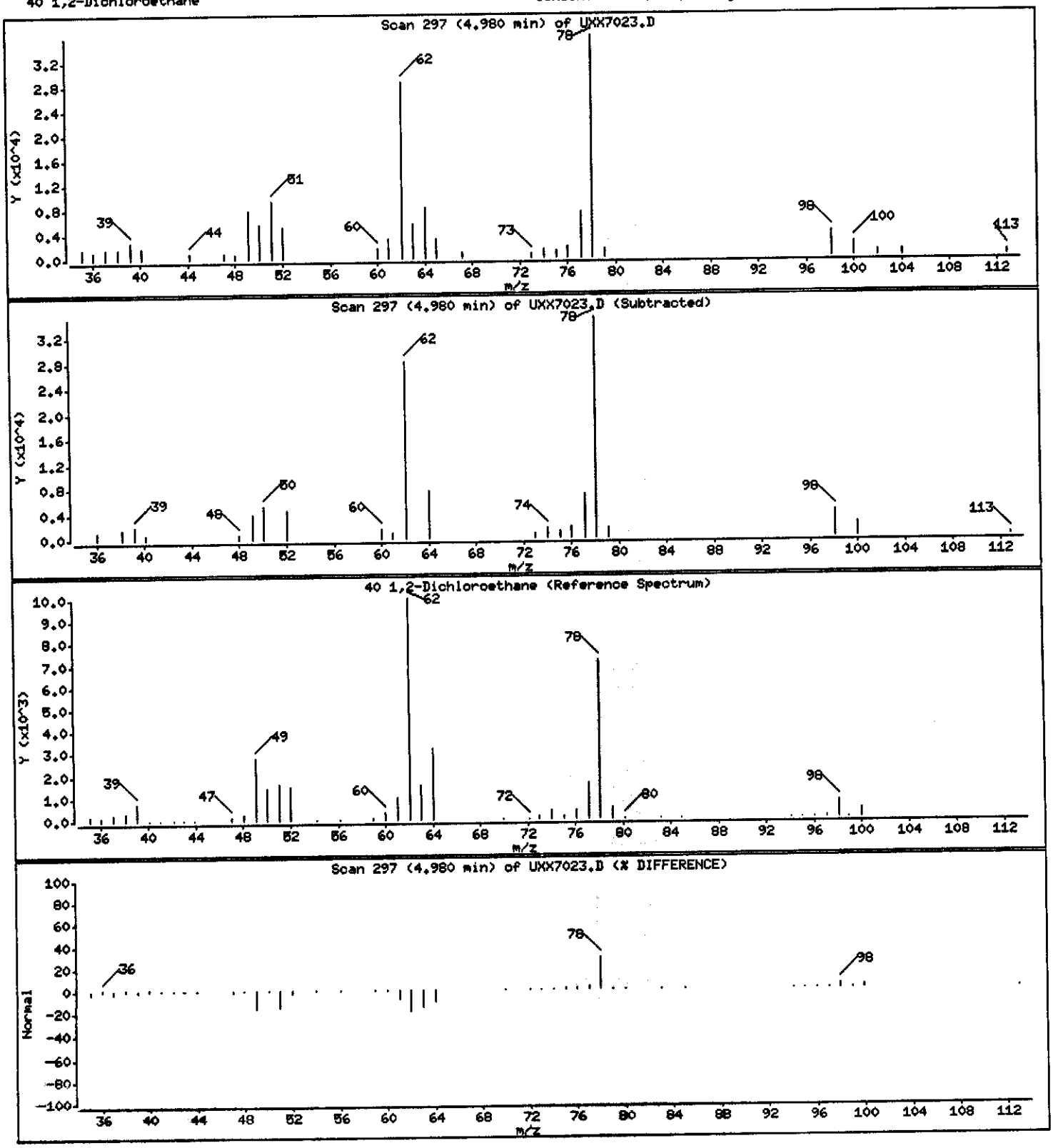
Operator: 1904

Column phase: DB624

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 44.945 ug/L



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Date : 06-APR-2004 23:12

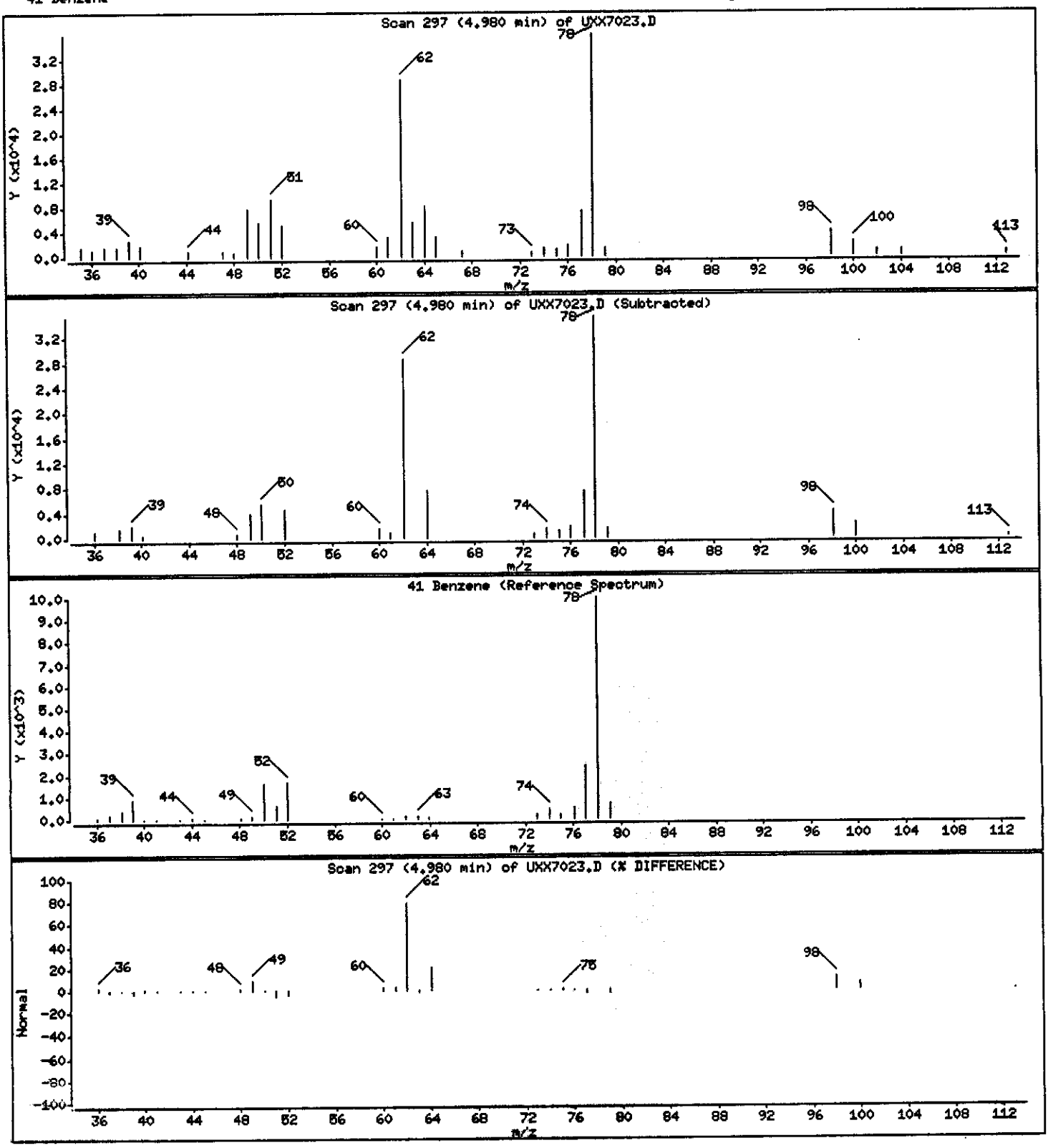
Client ID: MW31C/032904 Instrument: a3ux10.i

Sample Info: GC7GP1AF,0.125ML/5ML

Purge Volume: 0.1 Operator: 1904

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 21.206 ug/L



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Date : 06-APR-2004 23:12

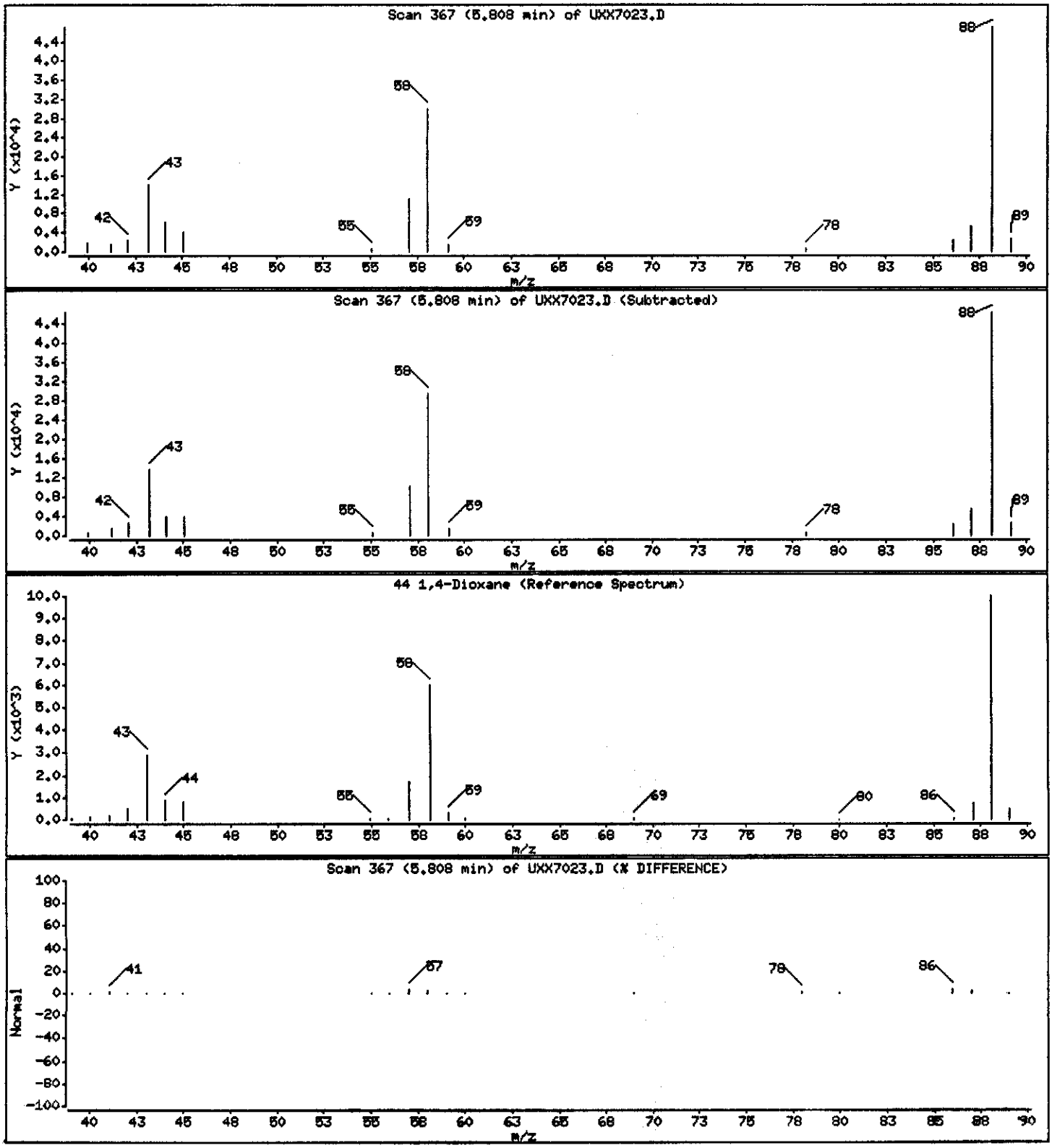
Client ID: MW31C/032904 Instrument: a3ux10.i

Sample Info: GC7GP1AF,0.125ML/5ML

Purge Volume: 0.1 Operator: 1904

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 11914 ug/L



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Date : 06-APR-2004 23:12

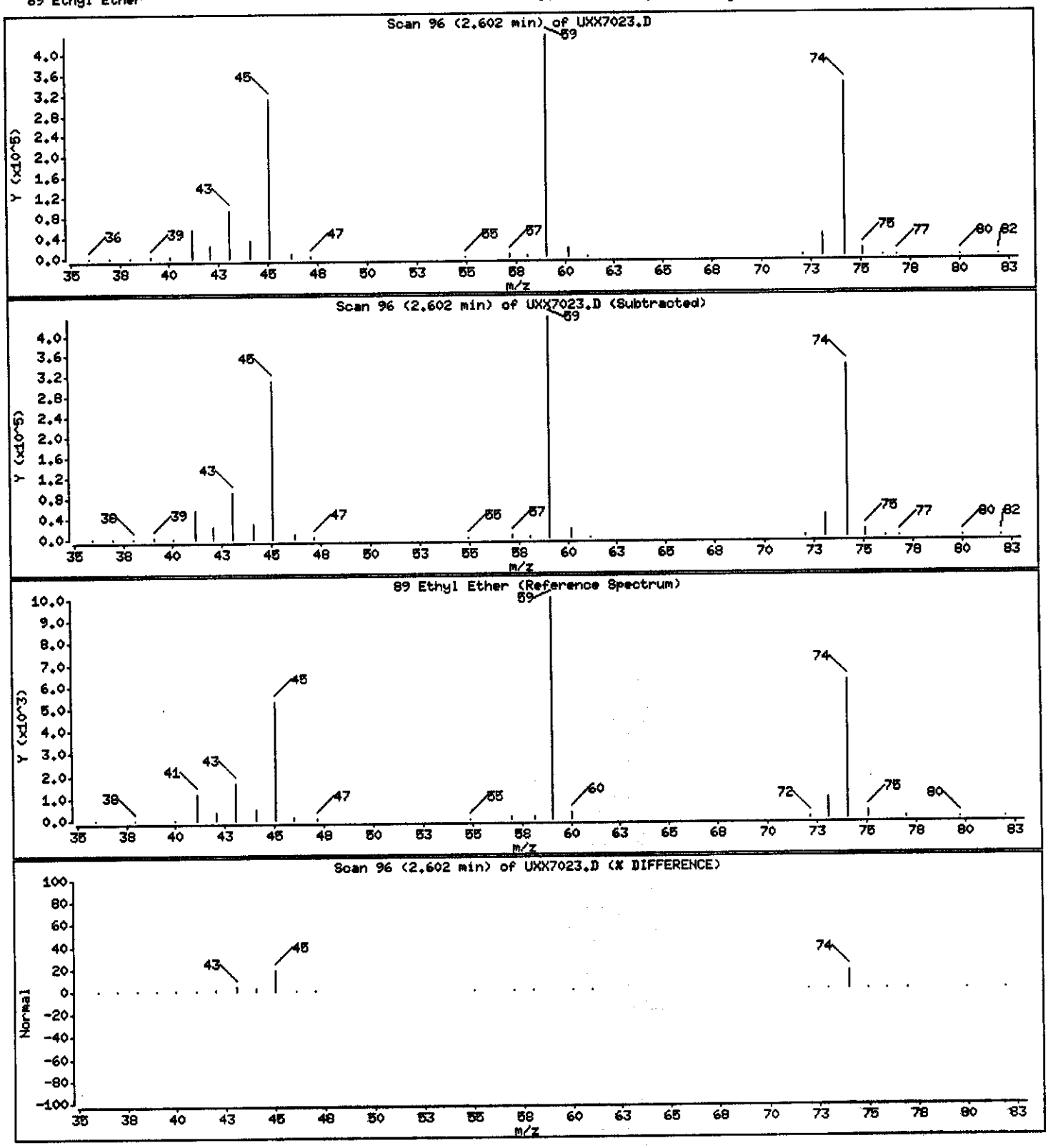
Client ID: MW31C/032904 Instrument: a3ux10.i

Sample Info: GC7GP1AF,0.125ML/5ML

Purge Volume: 0.1 Operator: 1904

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 1171.1 ug/L



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Date : 06-APR-2004 23:12

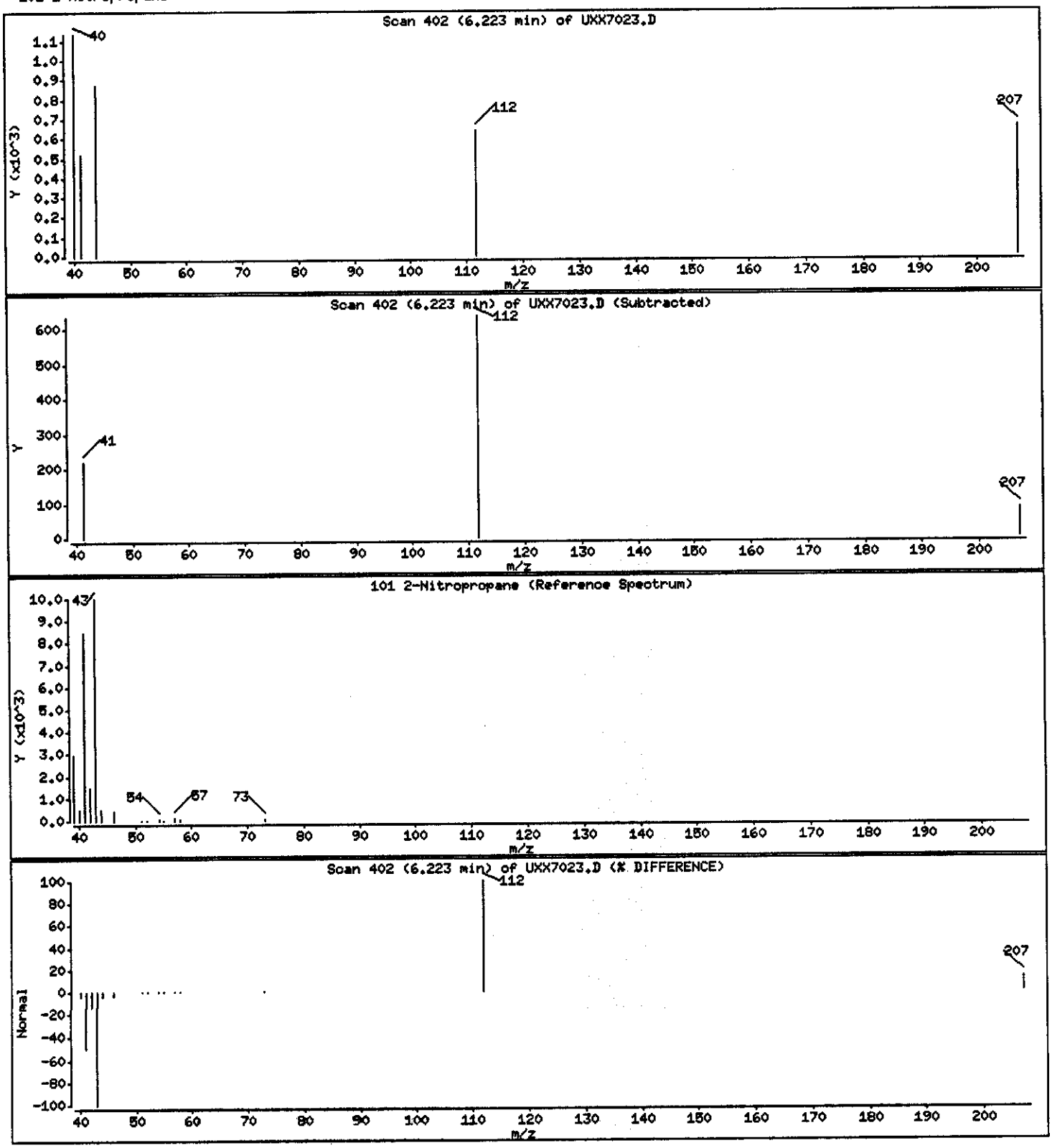
Client ID: MW31C/032904 Instrument: a3ux10.i

Sample Info: GC7GP1AF,0.125ML/5ML

Purge Volume: 0.1 Operator: 1904

Column phase: DB624 Column diameter: 0.18

101 2-Nitropropane Concentration: 36.075 ug/L



PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4C300268-008 **Work Order #...:** GC7GR1AA **Matrix.....:** WQ
Date Sampled...: 03/29/04 **Date Received..:** 03/30/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4C300268-008 **Work Order #...:** GC7GR1AA **Matrix.....:** WQ

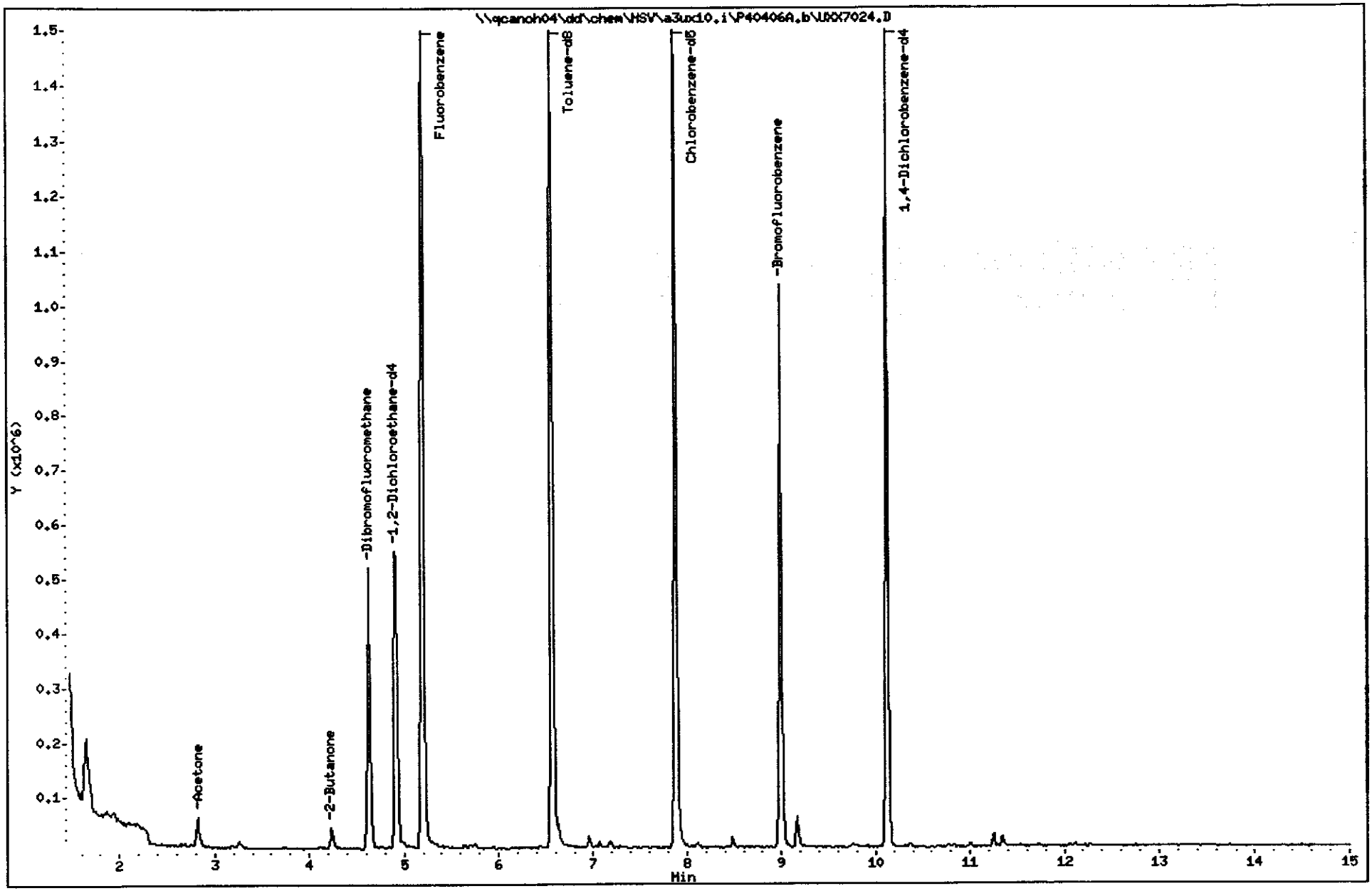
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	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	112	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)

Data File: \\qcanoh04\dd\chem\HSV\a3uxi0.i\P40406A.b\UXX7024.D
Date : 06-APR-2004 23:35
Client ID: TRIP BLANK
Sample Info: GC7GR1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3uxi0.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7024.D
Report Date: 08-Apr-2004 16:00

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7024.D
Lab Smp Id: GC7GR1AA Client Smp ID: TRIP BLANK
Inj Date : 06-APR-2004 23:35
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GC7GR1AA,5ML/5ML
Misc Info : P40406A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 14:15 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.203	5.205	(1.000)	1787197	50.0000	
* 2 Chlorobenzene-d5	117	7.878	7.879	(1.000)	1214326	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	(1.000)	546874	50.0000	
$ 4 Dibromofluoromethane	113	4.624	4.625	(0.889)	368754	55.9580	11.192
$ 5 1,2-Dichloroethane-d4	65	4.908	4.909	(0.943)	440339	52.0708	10.414
$ 6 Toluene-d8	98	6.564	6.566	(0.833)	1289588	49.7018	9.940
$ 7 Bromofluorobenzene	95	8.990	8.992	(1.141)	436013	48.9374	9.787
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.825	2.815	(0.543)	87725	13.9291	2.786
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7024.D
Report Date: 08-Apr-2004 16:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.233	4.235	(0.814)	58495	8.08589	1.617
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7024.D
Report Date: 08-Apr-2004 16:00

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\a3ux10.i\P40406A.b\UXX7024.D

Date : 06-APR-2004 23:35

Client ID: TRIP BLANK

Instrument: a3ux10.i

Sample Info: GC7GR1AA,5ML/5ML

Purge Volume: 5.0

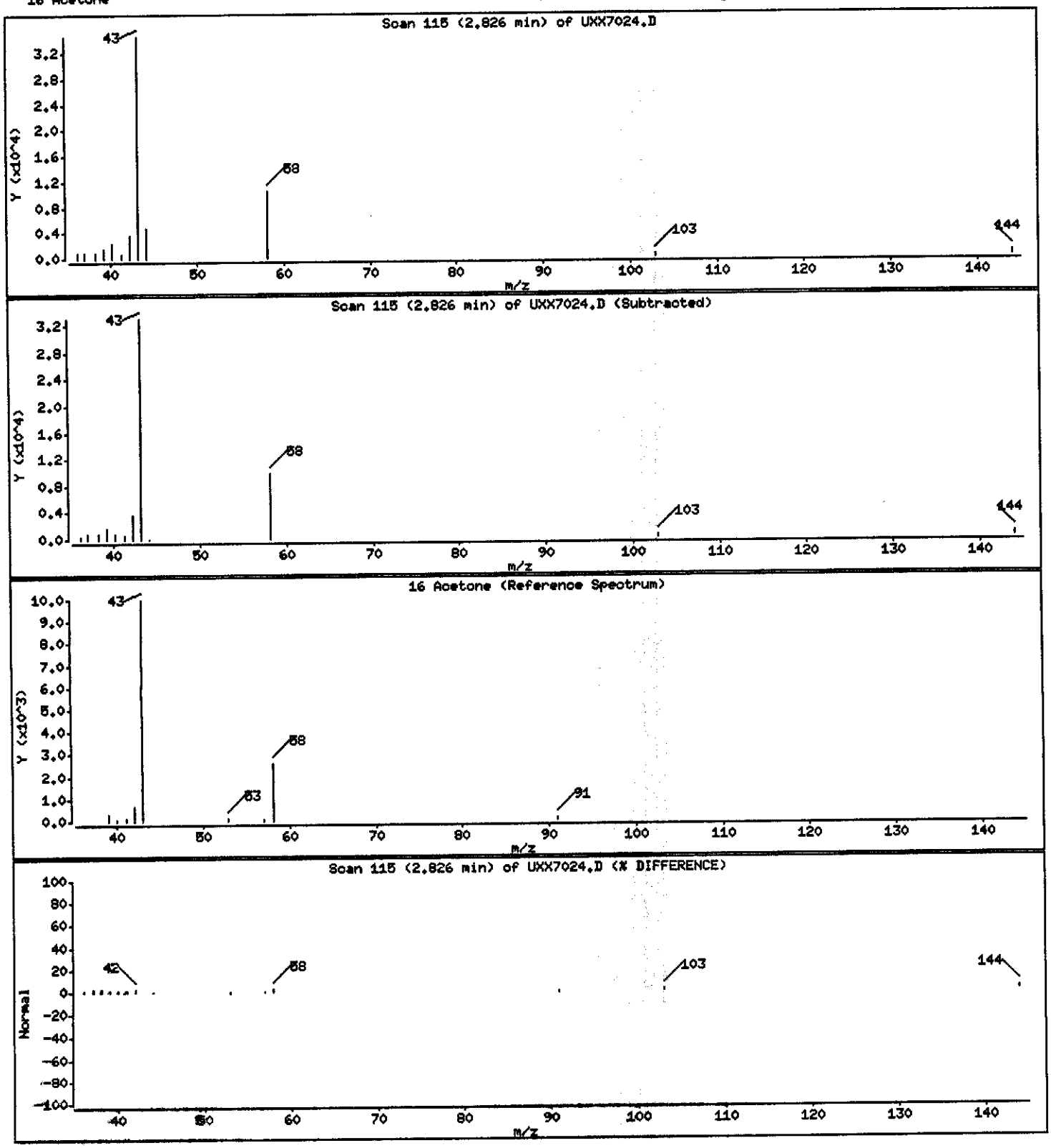
Operator: 1904

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 2.786 ug/L



Data File: \\qcanoh04\dd\ohem\MSV\a3ux10.i\P40406A.b\UXX7024.D

Date : 06-APR-2004 23:35

Client ID: TRIP BLANK

Instrument: a3ux10.i

Sample Info: GC7GR1AA,5ML/5ML

Purge Volume: 5.0

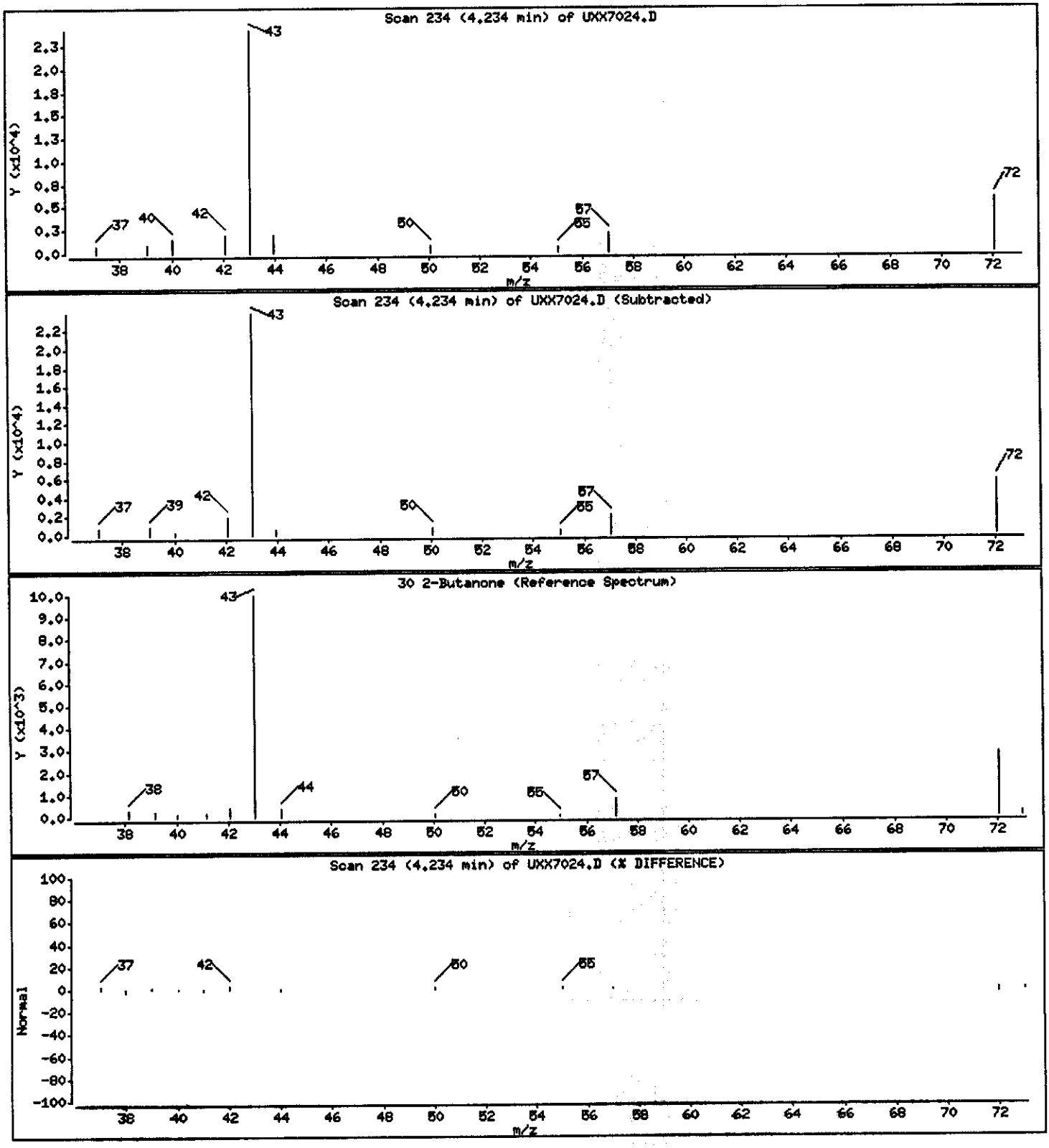
Operator: 1904

Column phase: DB624

Column diameter: 0.18

30 2-Butanone

Concentration: 1.617 ug/L



PAYNE FIRM INC.

Client Sample ID: DUP01/032904

GC/MS Volatiles

Lot-Sample #...: A4C300268-009 **Work Order #...:** GC7GV1AF **Matrix.....:** WQ
Date Sampled...: 03/29/04 **Date Received..:** 03/30/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DUP01/032904

GC/MS Volatiles

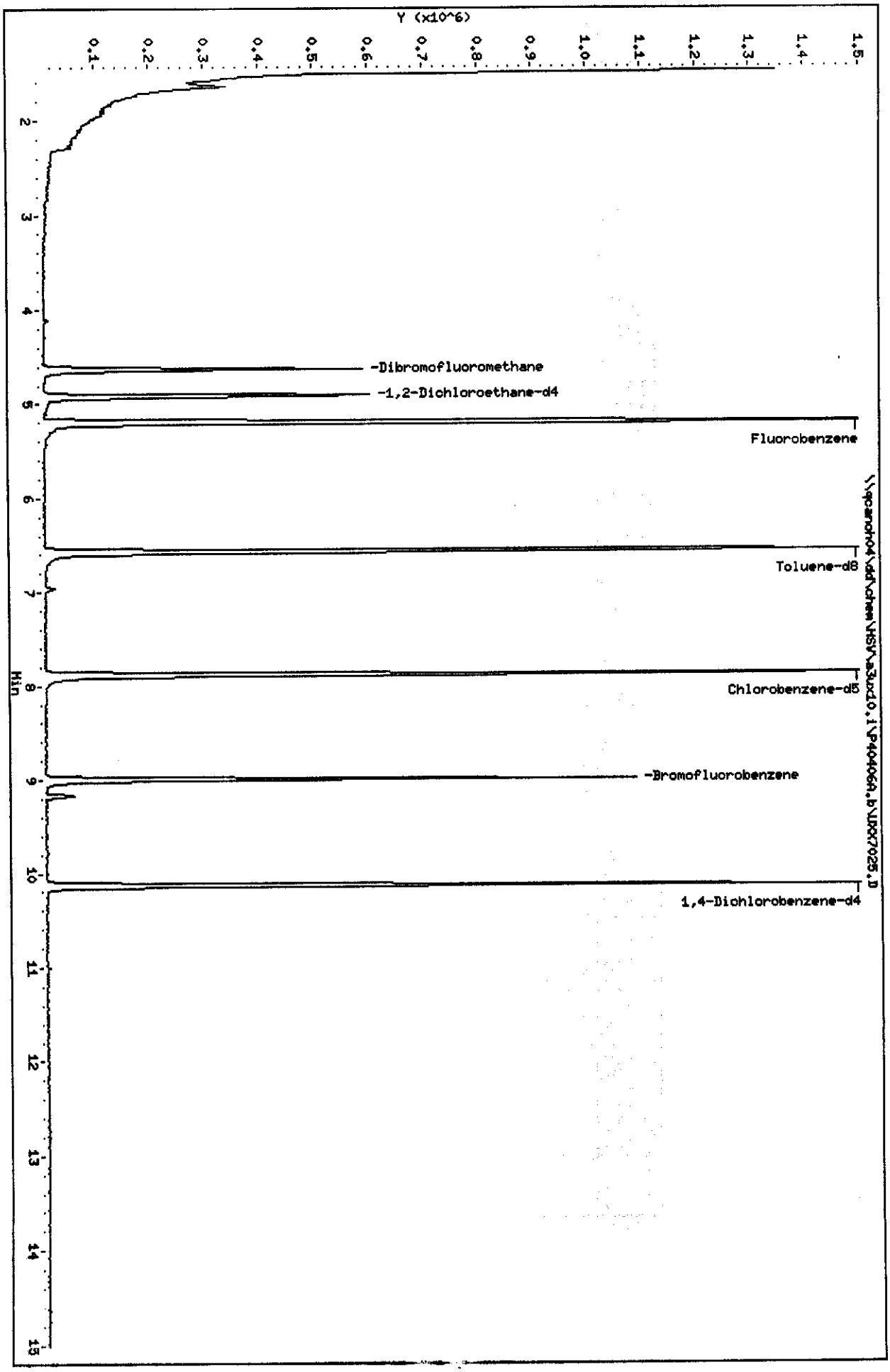
Lot-Sample #...: A4C300268-009 **Work Order #...:** GC7GV1AF **Matrix.....:** WQ

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	114	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P404066A.b\UXX7025.D
Date : 06-APR-2004 23:58
Client ID: DUP01
Sample Info: GC7GV10F,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7025.D
Report Date: 08-Apr-2004 14:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7025.D
Lab Smp Id: GC7GV1AF Client Smp ID: DUP01
Inj Date : 06-APR-2004 23:58
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GC7GV1AF,5ML/5ML
Misc Info : P40406A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 14:15 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.206	5.205	(1.000)	1834341	50.0000	
* 2 Chlorobenzene-d5	117	7.881	7.879	(1.000)	1243221	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.127	(1.000)	549799	50.0000	
$ 4 Dibromofluoromethane	113	4.627	4.625	(0.889)	384660	56.8715	11.374
$ 5 1,2-Dichloroethane-d4	65	4.911	4.909	(0.943)	449008	51.7313	10.346
$ 6 Toluene-d8	98	6.567	6.566	(0.833)	1329246	50.0396	10.008
$ 7 Bromofluorobenzene	95	8.993	8.992	(1.141)	447695	49.0807	9.816
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7025.D
Report Date: 08-Apr-2004 14:26

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7025.D
Report Date: 08-Apr-2004 14:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	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.					

PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4C310291-001 **Work Order #...:** GC9WW1AA **Matrix.....:** WQ
Date Sampled...: 03/30/04 **Date Received..:** 03/31/04
Prep Date.....: 04/09/04 **Analysis Date..:** 04/09/04
Prep Batch #...: 4103342
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

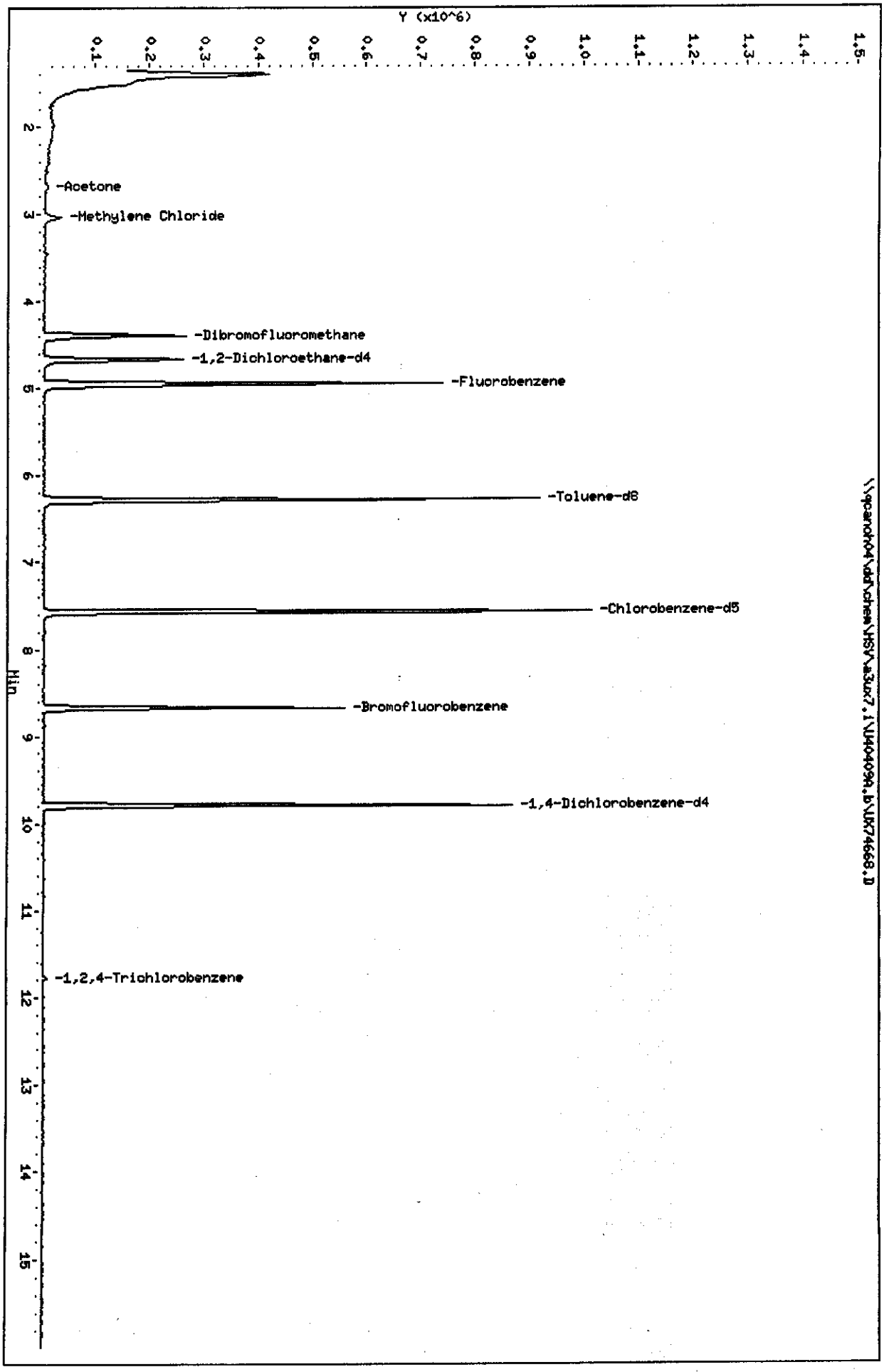
Lot-Sample #...: A4C310291-001 **Work Order #...:** GC9WW1AA **Matrix.....:** WQ

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	**1.1**	**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	109	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

Data File: \\qcandor04\dd\chem\HSV\a3ux7.i\U404090.b\UX74668.D
Date : 09-APR-2004 14:53
Client ID: TRIP BLANK
Sample Info: GC9MUIA4,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74668.D
Report Date: 10-Apr-2004 10:16

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74668.D
Lab Smp Id: GC9WW1AA
Client Smp ID: TRIP BLANK
Inj Date : 09-APR-2004 14:53
Operator : 1754
Inst ID: a3ux7.i
Smp Info : GC9WW1AA,5ML/5ML
Misc Info : U40409A,N8260UX7-3,,1754
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Meth Date : 10-Apr-2004 10:06 evansl
Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09
Cal File: UX74143.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.942	4.940	(1.000)	844442	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.567	(1.000)	662701	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.792	(1.000)	281928	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.396	(0.890)	198730	54.4532	10.891
$ 5 1,2-Dichloroethane-d4	65	4.670	4.668	(0.945)	219803	50.7665	10.153
$ 6 Toluene-d8	98	6.279	6.278	(0.830)	697745	47.0337	9.407
$ 7 Bromofluorobenzene	95	8.670	8.668	(1.145)	208174	39.3645	7.873
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.670	2.680	(0.540)	13802	8.79637	1.759
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74668.D
Report Date: 10-Apr-2004 10:16

	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	3.037	3.035	(0.615)	23892	5.51339	1.103
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74668.D
Report Date: 10-Apr-2004 10:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.782	11.780	(1.203)	4735	1.04161	0.2083
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\a3ux7.i\U40409A.b\UX74668.D

Date : 09-APR-2004 14:53

Client ID: TRIP BLANK

Instrument: a3ux7.i

Sample Info: GC9WW1AA,5ML/5ML

Purge Volume: 5.0

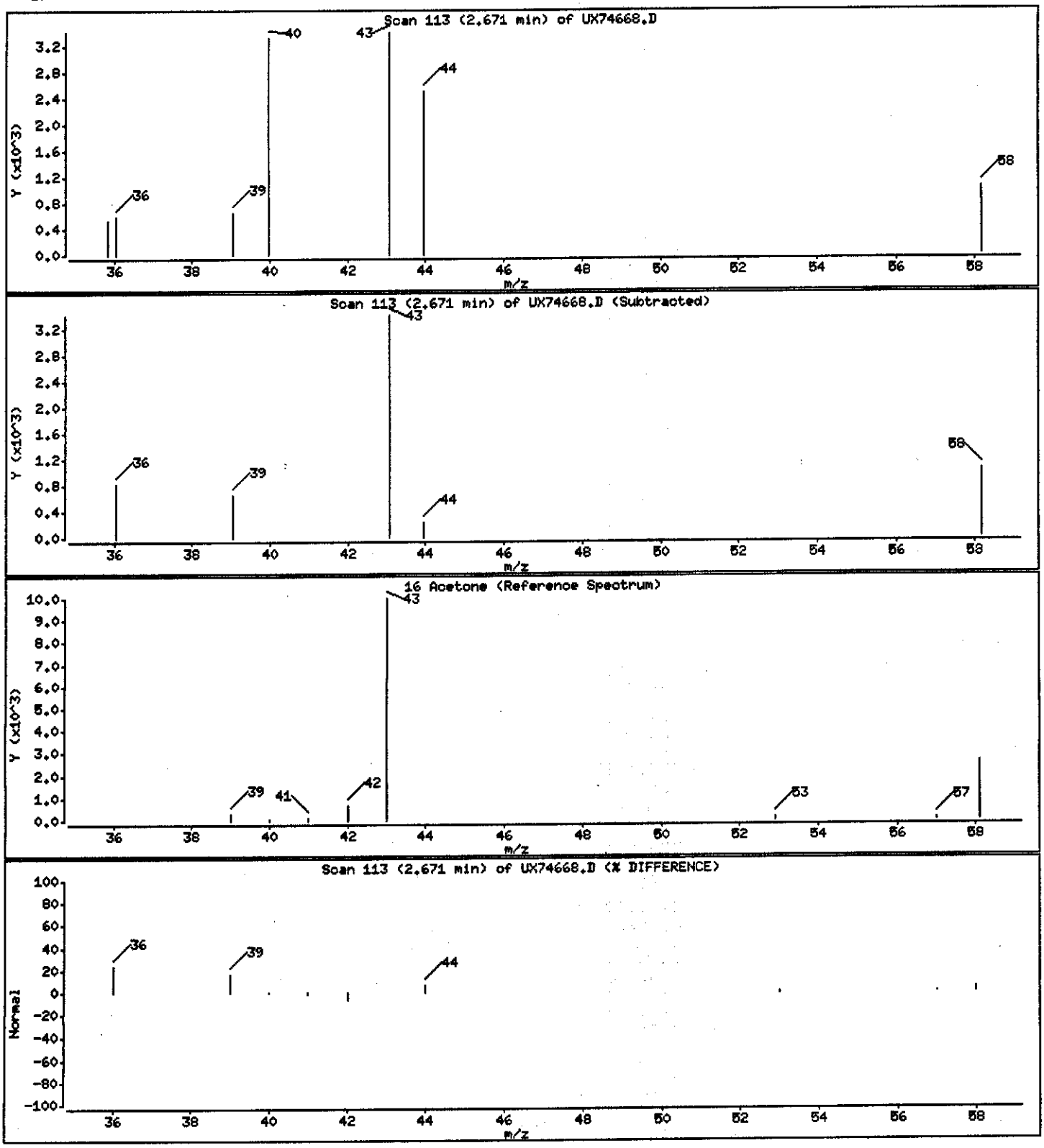
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

16 Acetone

Concentration: 1.759 ug/L



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Date : 09-APR-2004 14:53

Client ID: TRIP BLANK

Instrument: a3ux7.i

Sample Info: GC9WW1AA,5ML/5ML

Operator: 1754

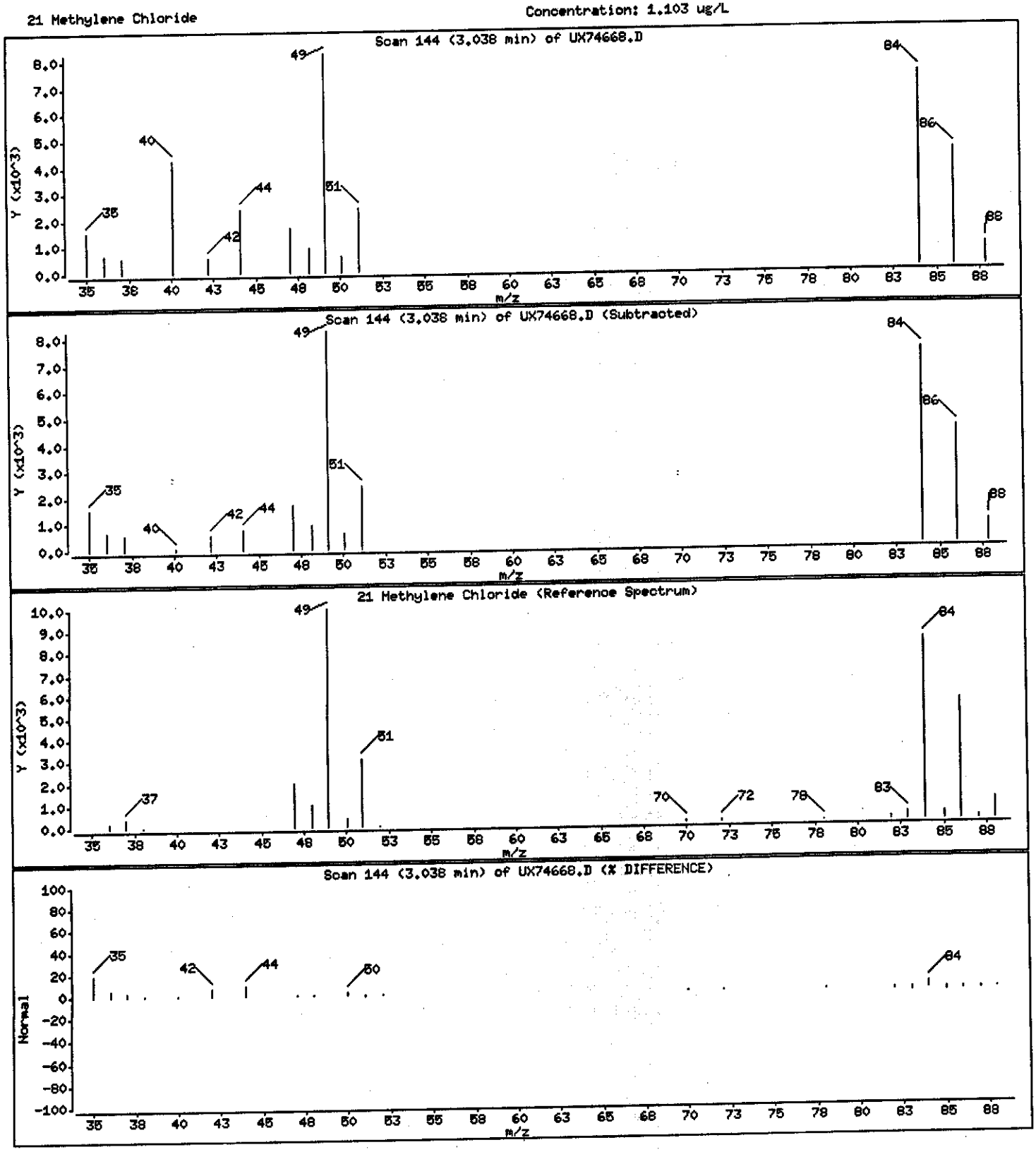
Purge Volume: 5.0

Column diameter: 0.18

Column phase: DB624 20m

Concentration: 1.103 ug/L

21 Methylene Chloride



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Date : 09-APR-2004 14:53

Client ID: TRIP BLANK

Instrument: a3ux7.i

Sample Info: GC9WW1AA,5ML/5ML

Purge Volume: 5.0

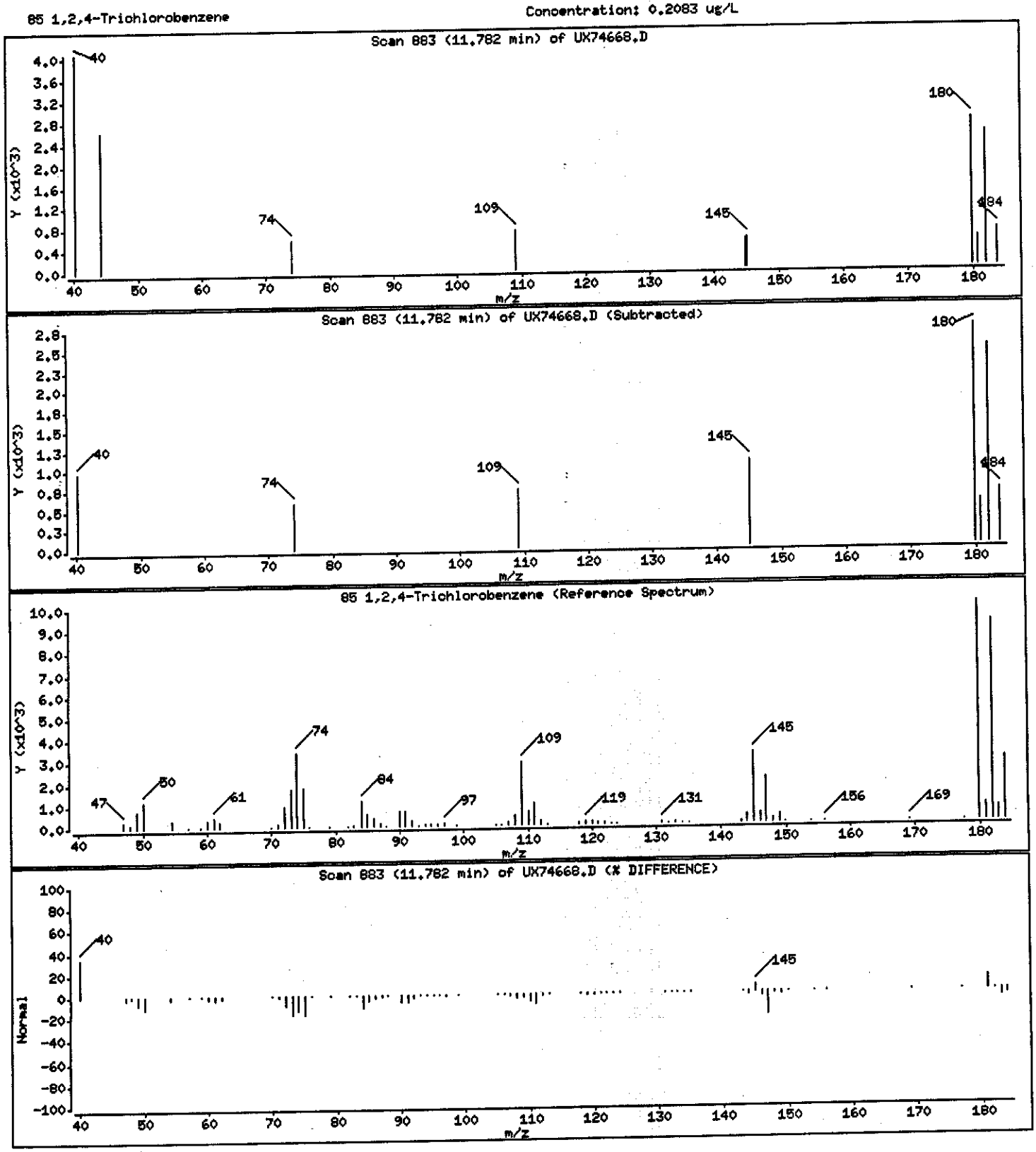
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 0.2083 ug/L



PAYNE FIRM INC.

Client Sample ID: FB02/033004

GC/MS Volatiles

Lot-Sample #...: A4C310291-002 **Work Order #...:** GC9W51AA **Matrix.....:** WQ
Date Sampled...: 03/30/04 12:50 **Date Received..:** 03/31/04
Prep Date.....: 04/09/04 **Analysis Date..:** 04/09/04
Prep Batch #...: 4103342
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: FB02/033004

GC/MS Volatiles

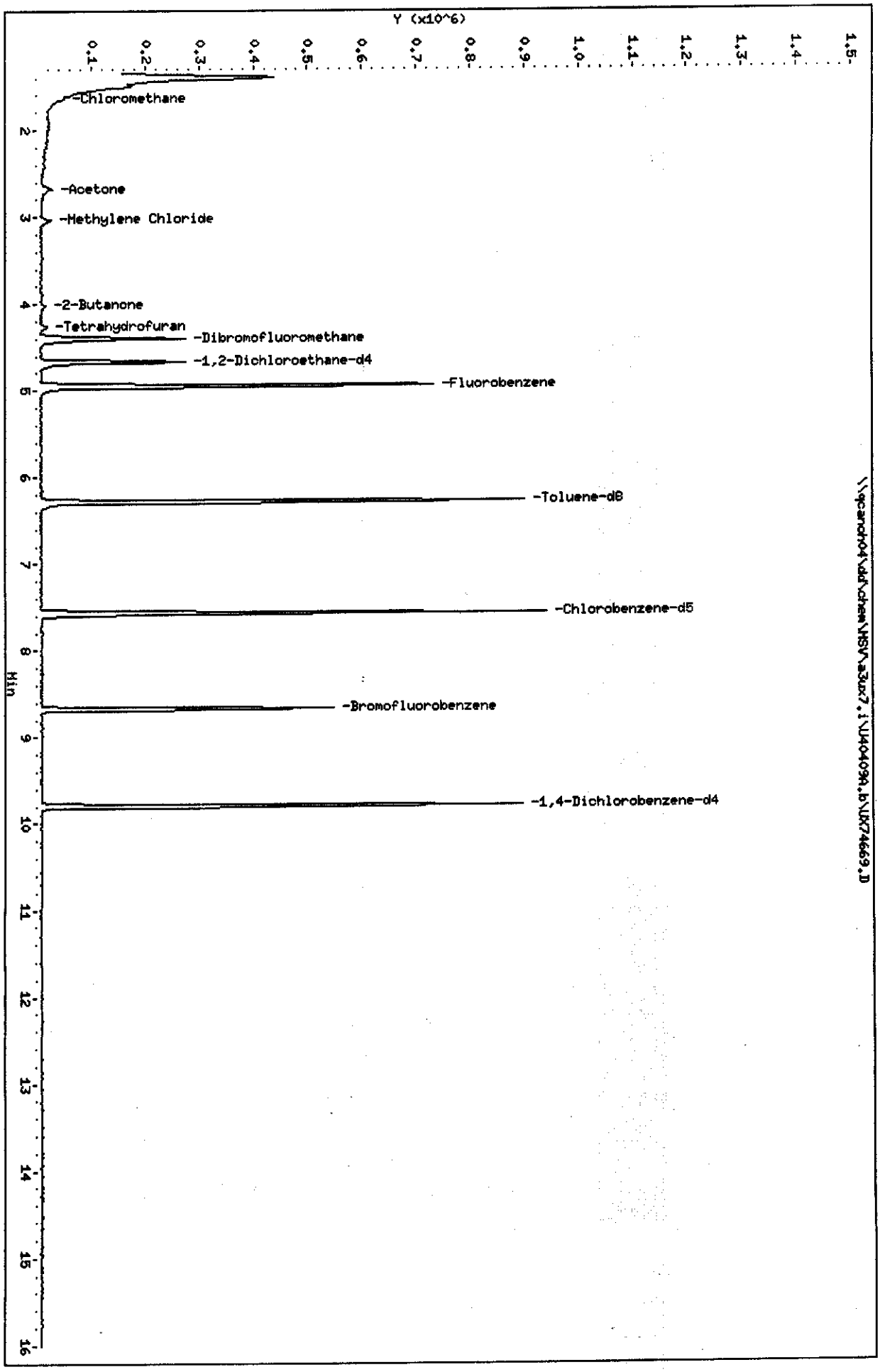
Lot-Sample #...: A4C310291-002 **Work Order #...:** GC9W51AA **Matrix.....:** WQ

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	101	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U404090.b\UX74669.D
Date : 09-APR-2004 15:17
Client ID: FB02/033004
Sample Info: GC9451AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



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Report Date: 10-Apr-2004 10:17

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74669.D
Lab Smp Id: GC9W51AA Client Smp ID: FB02/033004
Inj Date : 09-APR-2004 15:17
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GC9W51AA,5ML/5ML
Misc Info : U40409A,N8260UX7-3,,1754
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Meth Date : 10-Apr-2004 10:06 evansl Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.951	4.940	(1.000)	831730	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.567	(1.000)	637974	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	283740	50.0000	
$ 4 Dibromofluoromethane	113.	4.395	4.396	(0.888)	194619	54.1418	10.828
$ 5 1,2-Dichloroethane-d4	65	4.667	4.668	(0.943)	214728	50.3524	10.070
$ 6 Toluene-d8	98	6.277	6.278	(0.830)	680492	47.6486	9.530
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.145)	202977	39.8694	7.974
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.638	1.663	(0.331)	11775	2.19004	0.4380
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.668	2.680	(0.539)	47647	27.7261	5.545
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74669.D
Report Date: 10-Apr-2004 10:17

	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	3.034	3.035	(0.613)	13020	3.05046	0.6101
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.016	4.006	(0.811)	17903	8.31802	1.664
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.265	4.254	(0.861)	9992	2.44822	0.4896
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74669.D
Report Date: 10-Apr-2004 10:17

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

Data File: \\qoanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74669.D

Date : 09-APR-2004 15:17

Client ID: FB02/033004

Instrument: a3ux7.i

Sample Info: GC9W51AA,5ML/5ML

Purge Volume: 5.0

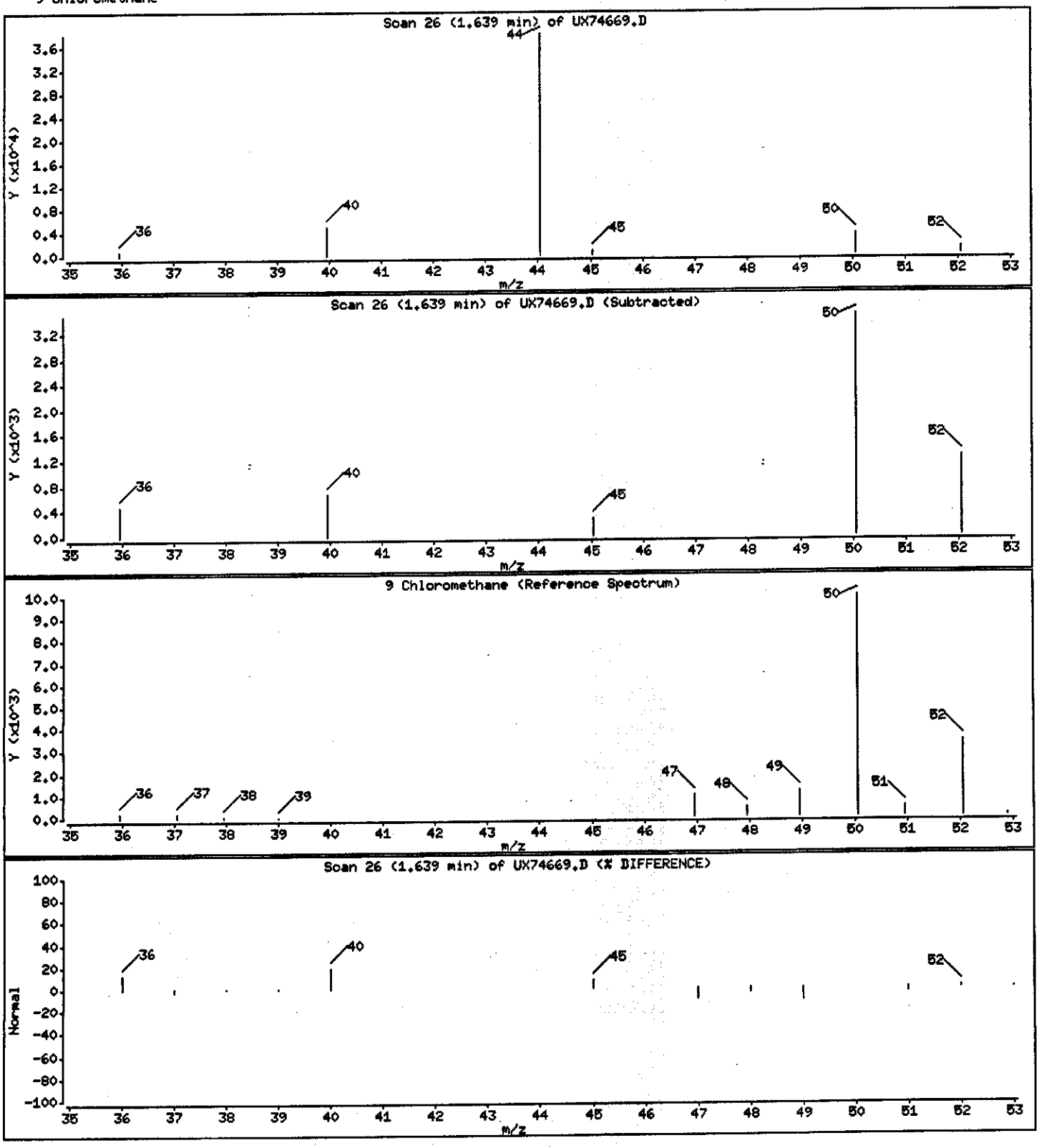
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

9 Chloromethane

Concentration: 0.4380 ug/L



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Date : 09-APR-2004 15:17

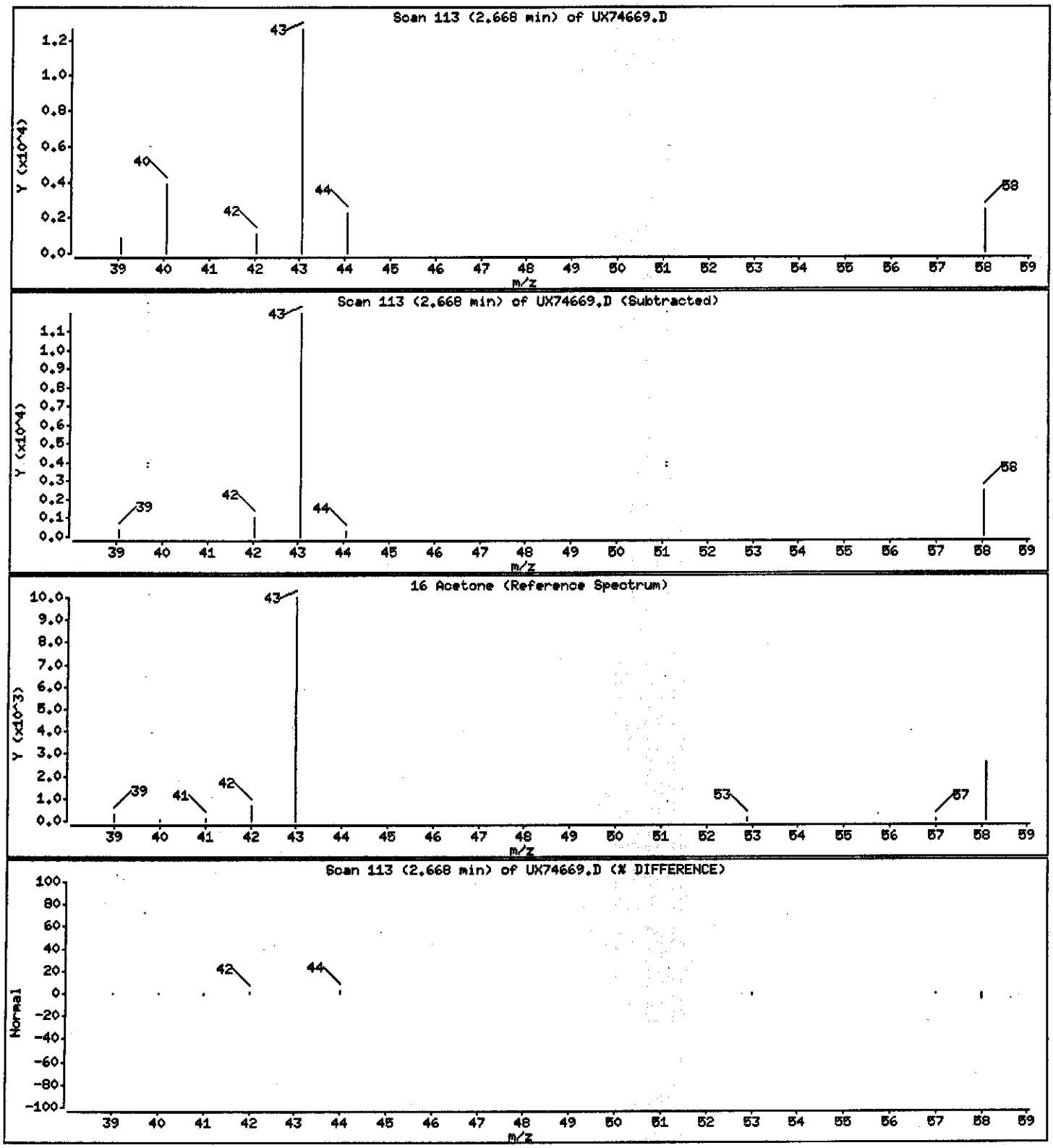
Client ID: FB02/033004 Instrument: a3ux7.i

Sample Info: GC9W51AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 5.545 ug/L



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Date : 09-APR-2004 15:17

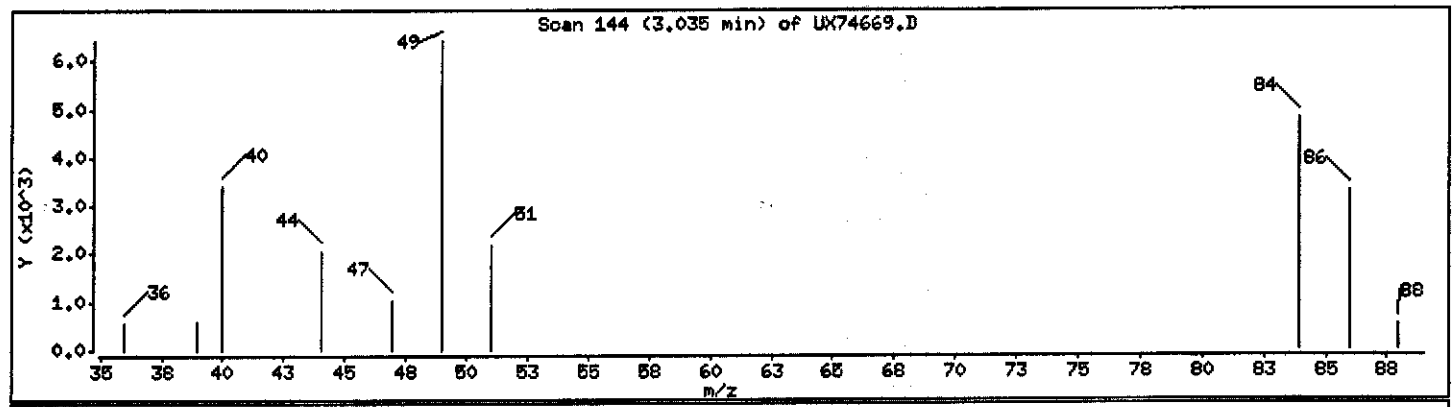
Client ID: FB02/033004 Instrument: a3ux7.i

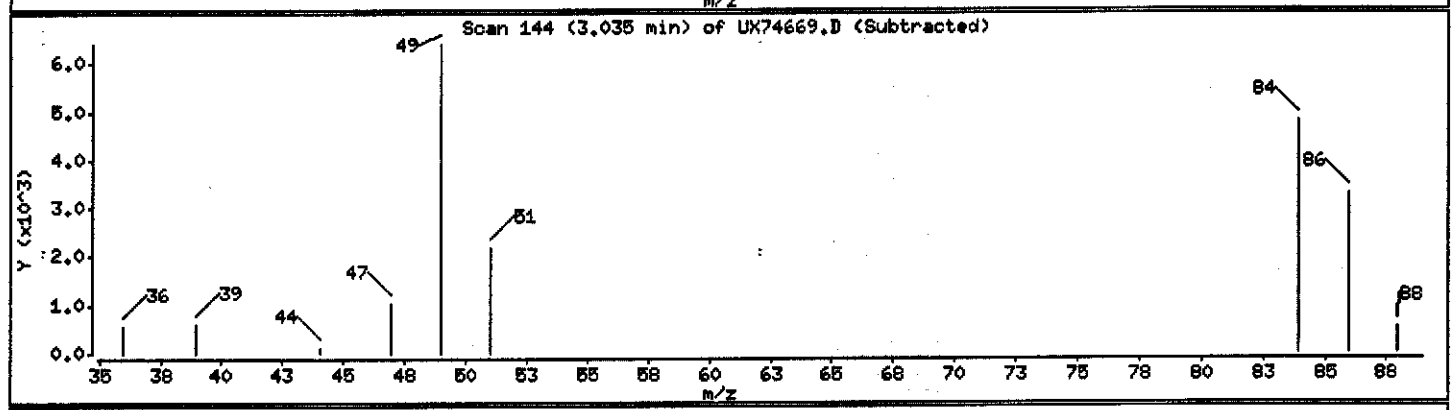
Sample Info: GC9W51AA,5ML/5ML

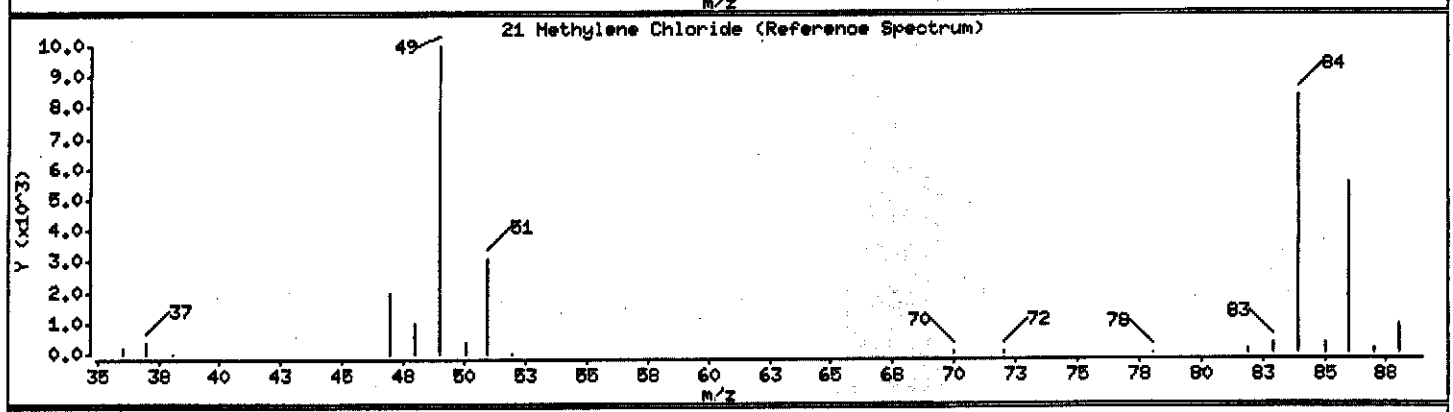
Purge Volume: 5.0 Operator: 1754

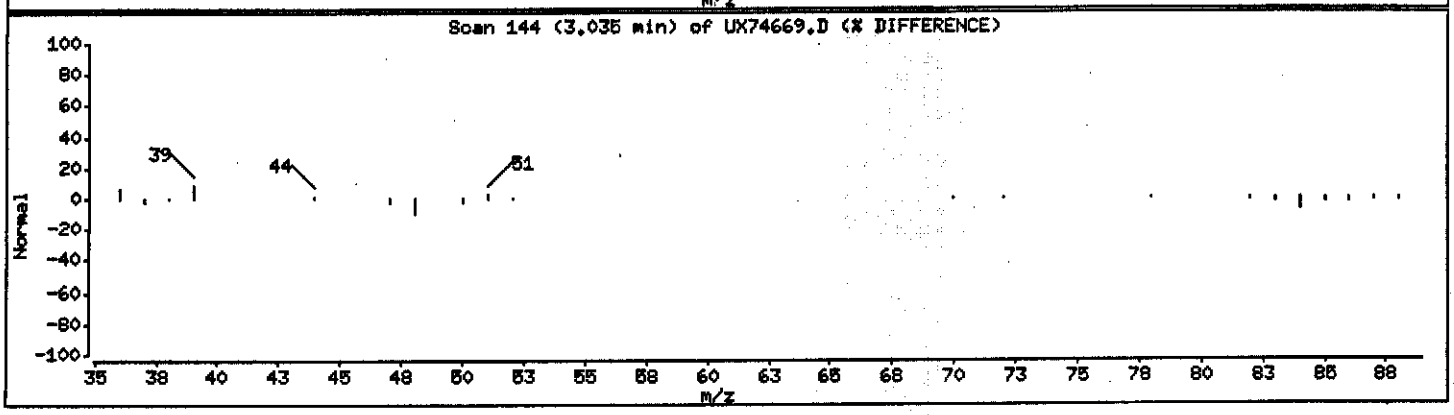
Column phase: DB624 20m Column diameter: 0.18

21 Methylene Chloride Concentration: 0.6101 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74669.D

Date : 09-APR-2004 15:17

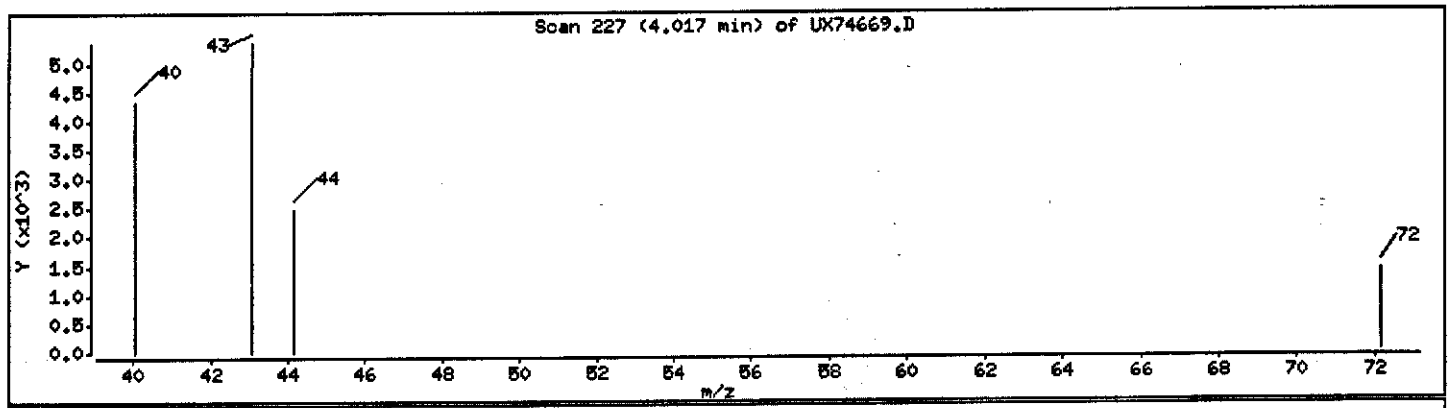
Client ID: FB02/033004 Instrument: a3ux7.i

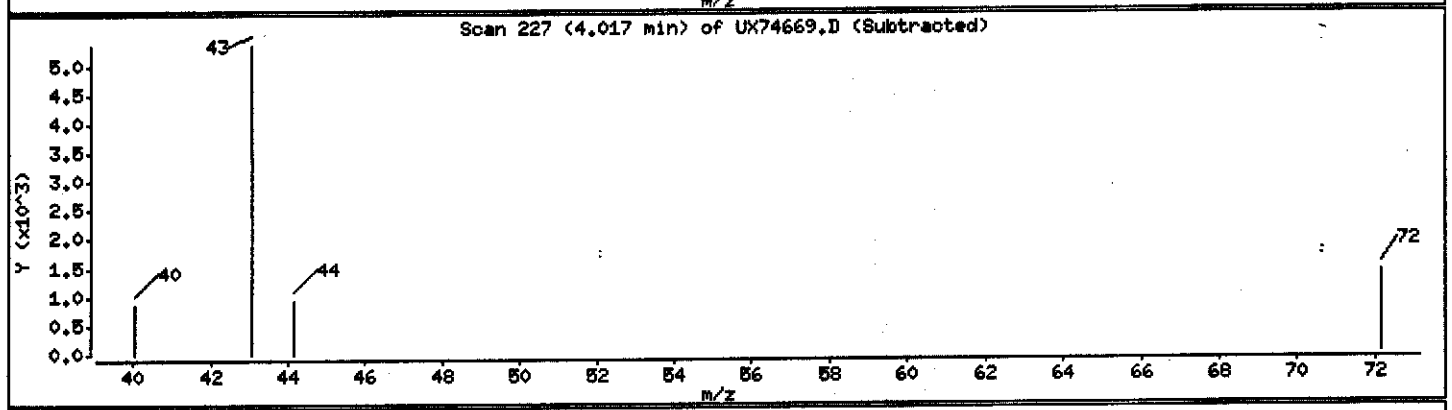
Sample Info: GC9W51AA,5ML/5ML

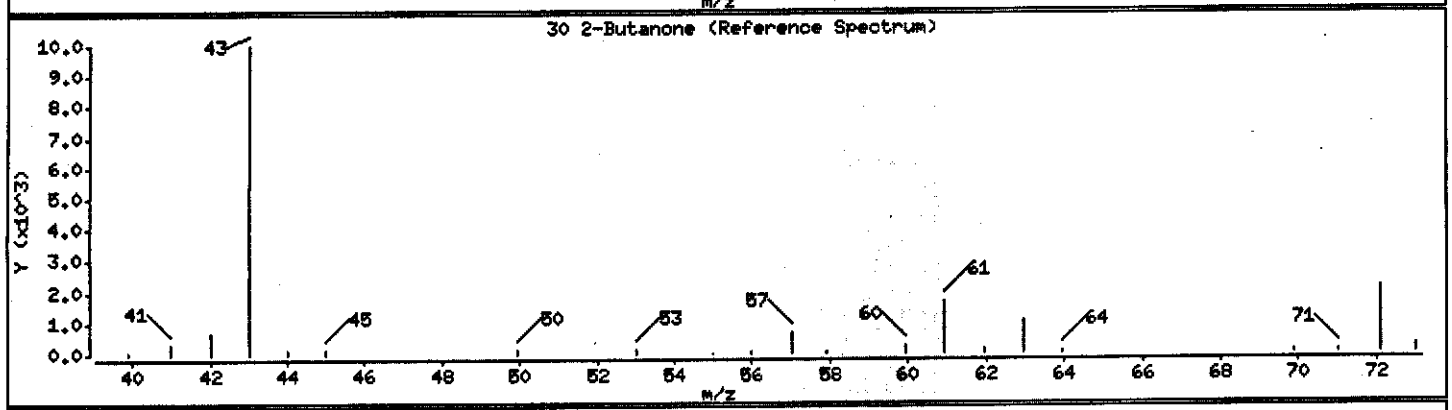
Purge Volume: 5.0 Operator: 1754

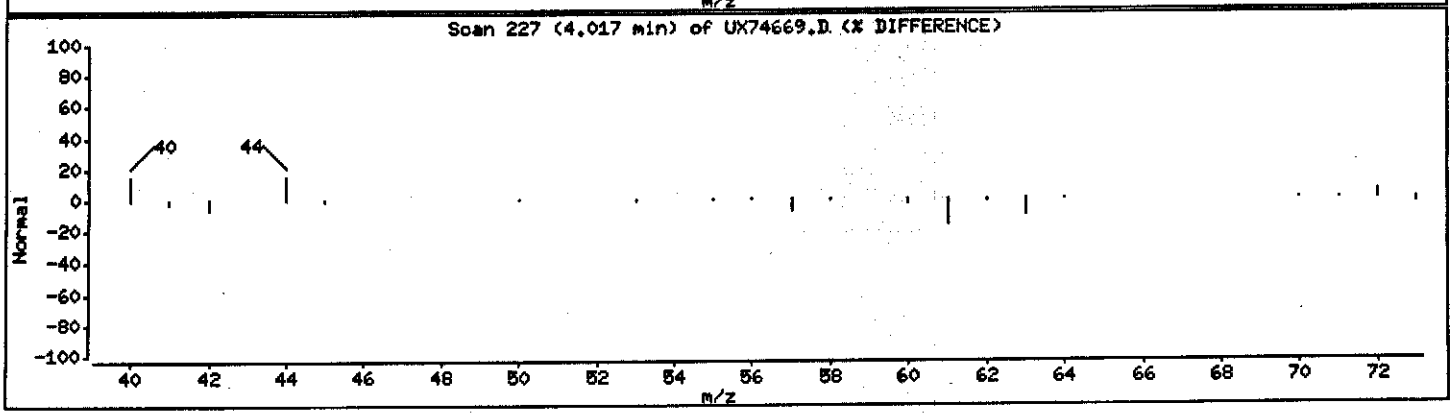
Column phase: DB624 20m Column diameter: 0.18

30 2-Butanone Concentration: 1.664 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74669.D

Date : 09-APR-2004 15:17

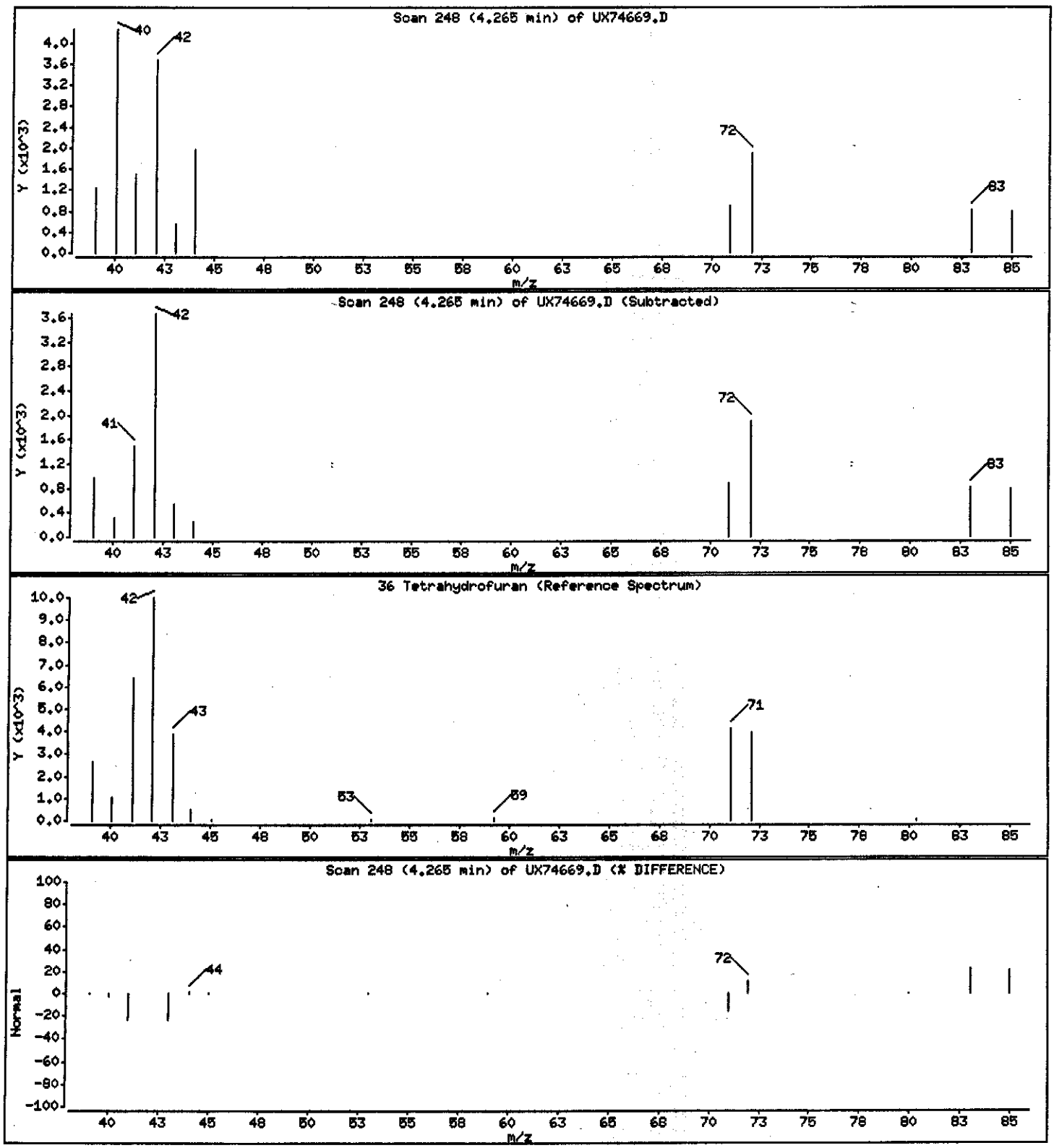
Client ID: FB02/033004 Instrument: a3ux7.i

Sample Info: GC9W51AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

36 Tetrahydrofuran Concentration: 0.4896 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-11A/033004

GC/MS Volatiles

Lot-Sample #...: A4C310291-004 **Work Order #...:** GC9W91AA **Matrix.....:** WG
Date Sampled...: 03/30/04 11:50 **Date Received..:** 03/31/04
Prep Date.....: 04/09/04 **Analysis Date..:** 04/09/04
Prep Batch #...: 4103342
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-11A/033004

GC/MS Volatiles

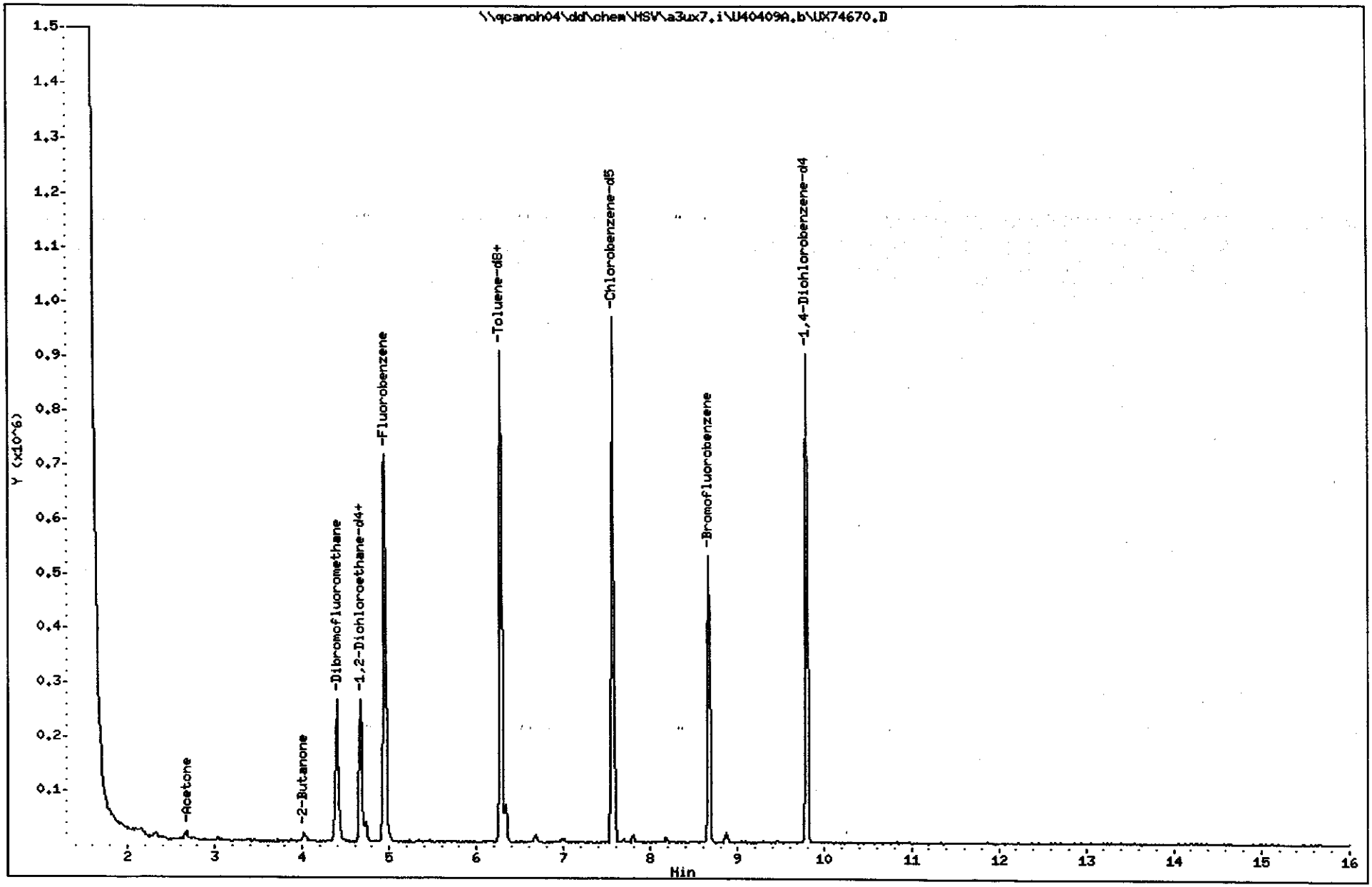
Lot-Sample #...: A4C310291-004 **Work Order #...:** GC9W91AA **Matrix.....:** WG

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	109	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40409A.b\UX74670.D
Date : 09-APR-2004 15:40
Client ID: MW-11A/033004
Sample Info: GC9W91AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



STL North Canton

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74670.D
Report Date: 10-Apr-2004 10:17

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74670.D
Lab Smp Id: GC9W91AA Client Smp ID: MW-11A/033004
Inj Date : 09-APR-2004 15:40
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GC9W91AA,5ML/5ML
Misc Info : U40409A,N8260UX7-3,,1754
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Meth Date : 10-Apr-2004 10:06 evansl Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.951	4.940	(1.000)	825602	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	655726	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	284563	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.396	(0.888)	194528	54.5181	10.904
$ 5 1,2-Dichloroethane-d4	65	4.667	4.668	(0.943)	214800	50.7431	10.149
$ 6 Toluene-d8	98	6.277	6.278	(0.830)	687686	46.8488	9.370
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.145)	198170	37.8714	7.574
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.680	2.680	(0.541)	36077	21.4157	4.283
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74670.D
Report Date: 10-Apr-2004 10:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.017	4.006	(0.811)	32370	15.1513	3.030
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	4.727	4.727	(0.955)	30888	1.84240	0.3685
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.336	6.337	(0.837)	54855	2.99451	0.5989
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74670.D
Report Date: 10-Apr-2004 10:17

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74670.D

Date : 09-APR-2004 15:40

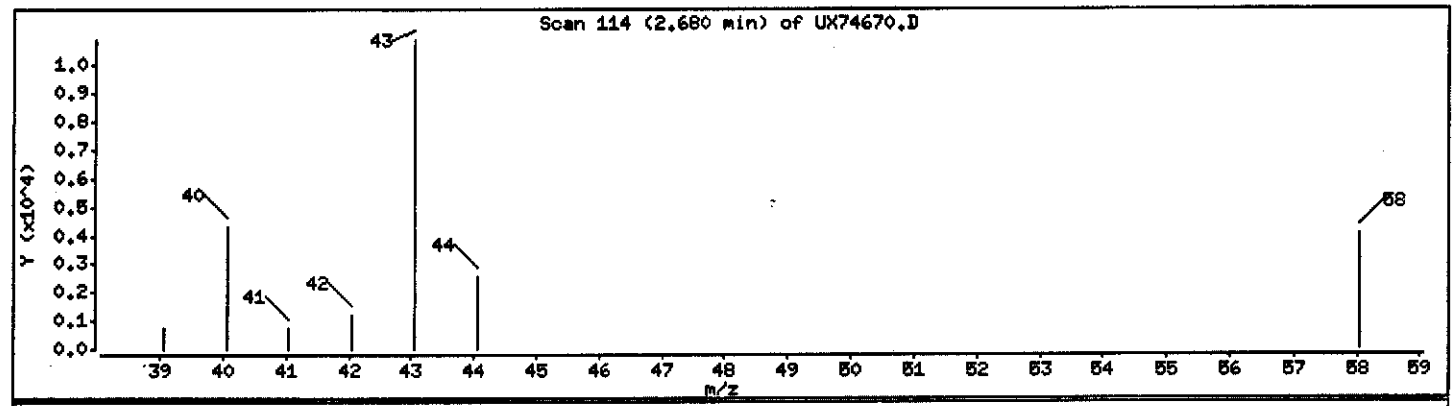
Client ID: MW-11A/033004 Instrument: a3ux7.i

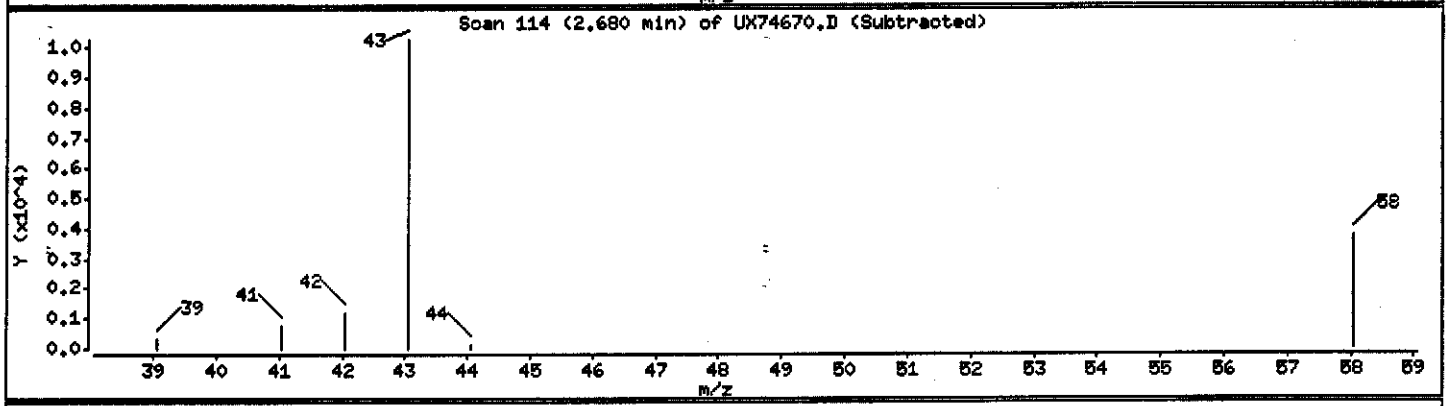
Sample Info: GC9W91AA,5ML/5ML

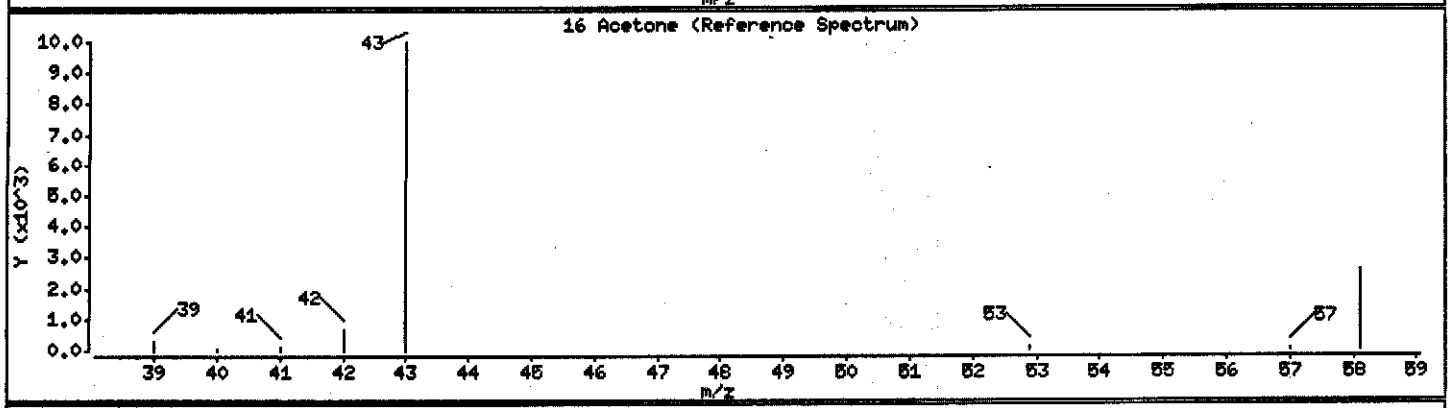
Purge Volume: 5.0 Operator: 1754

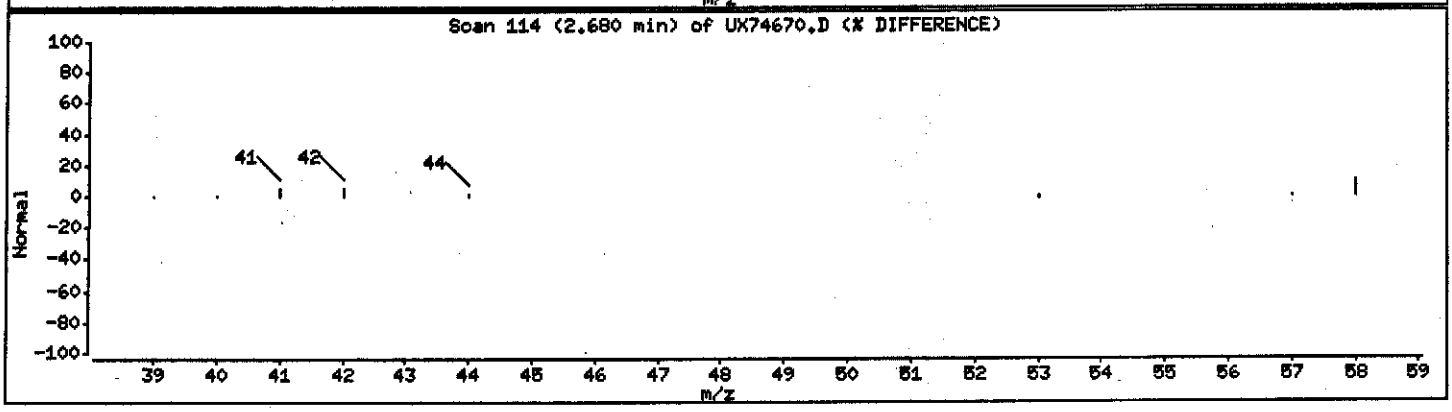
Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 4.283 ug/L









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Date : 09-APR-2004 15:40

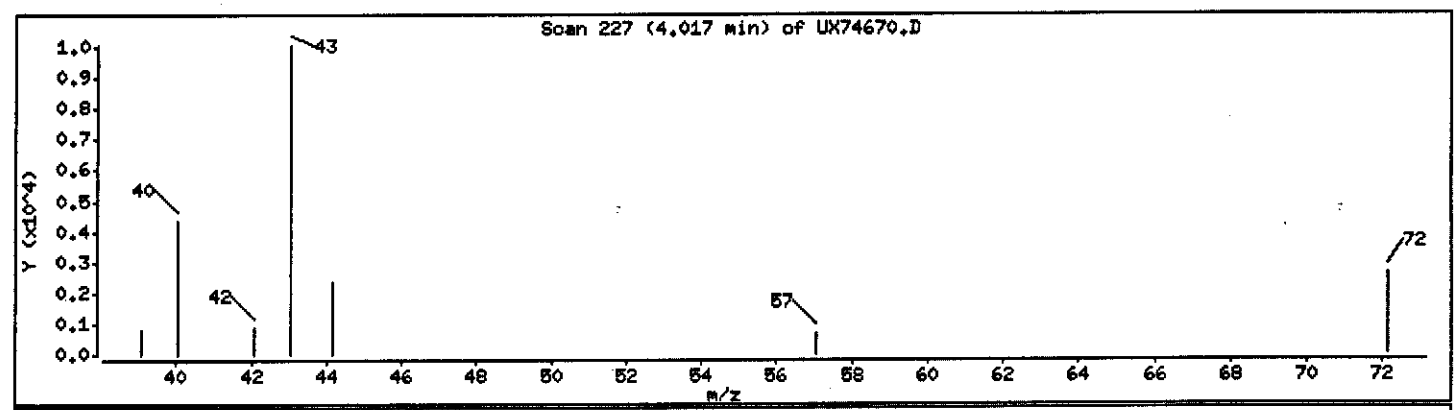
Client ID: MW-11A/033004 Instrument: a3ux7.i

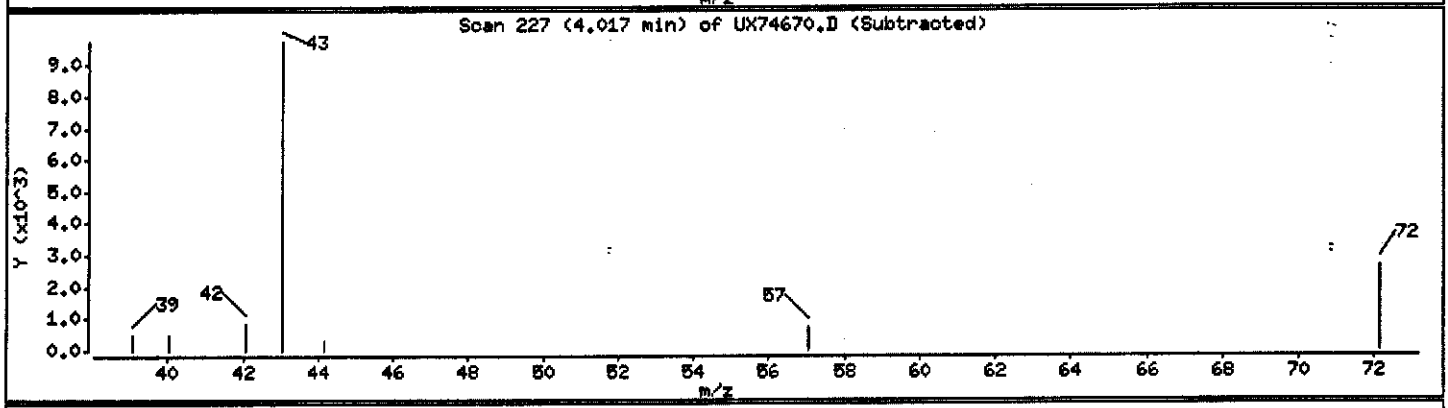
Sample Info: GC9W91AA,5ML/5ML

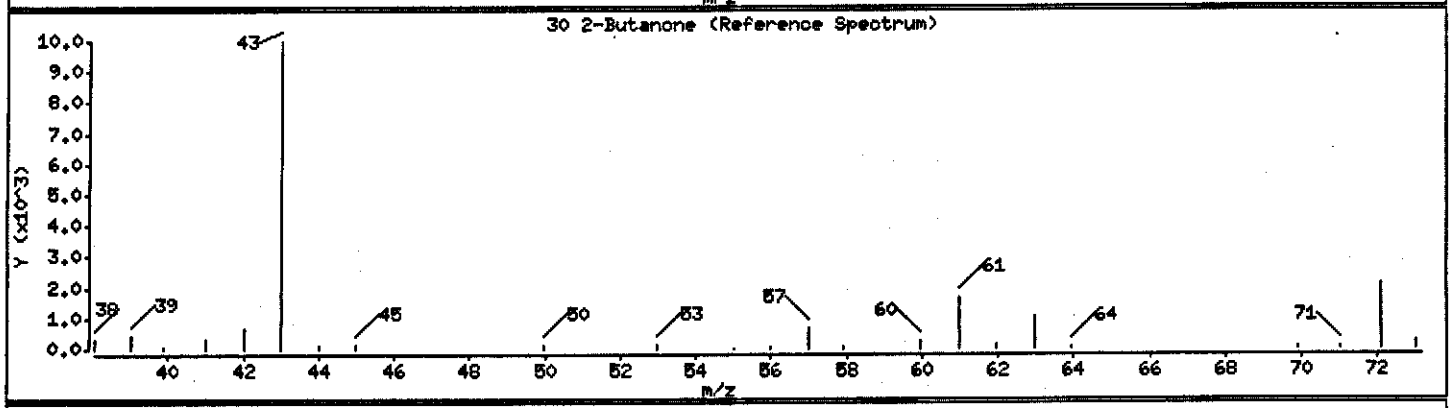
Purge Volume: 5.0 Operator: 1754

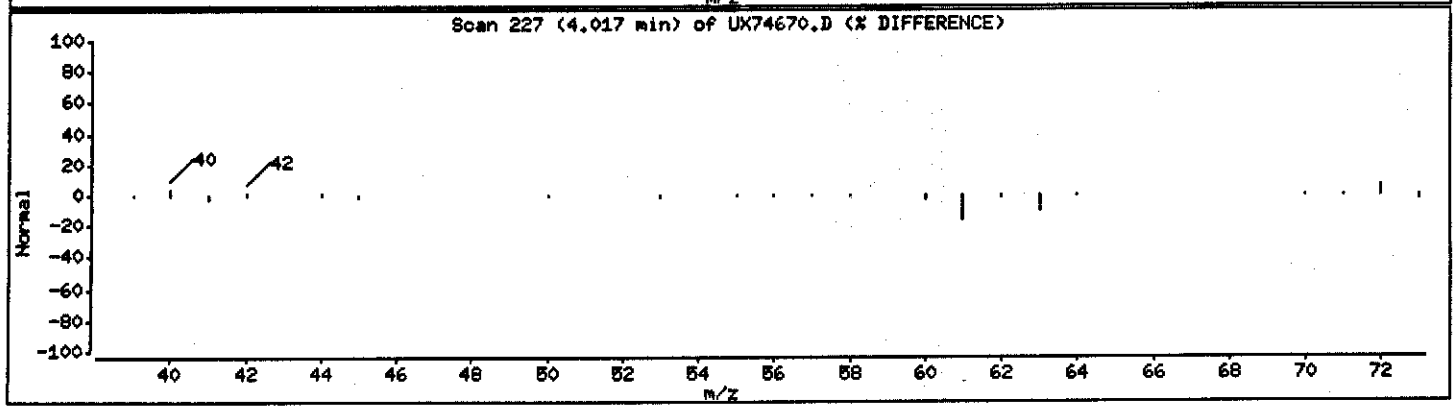
Column phase: DB624 20m Column diameter: 0.18

30 2-Butanone Concentration: 3.030 ug/L









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Date : 09-APR-2004 15:40

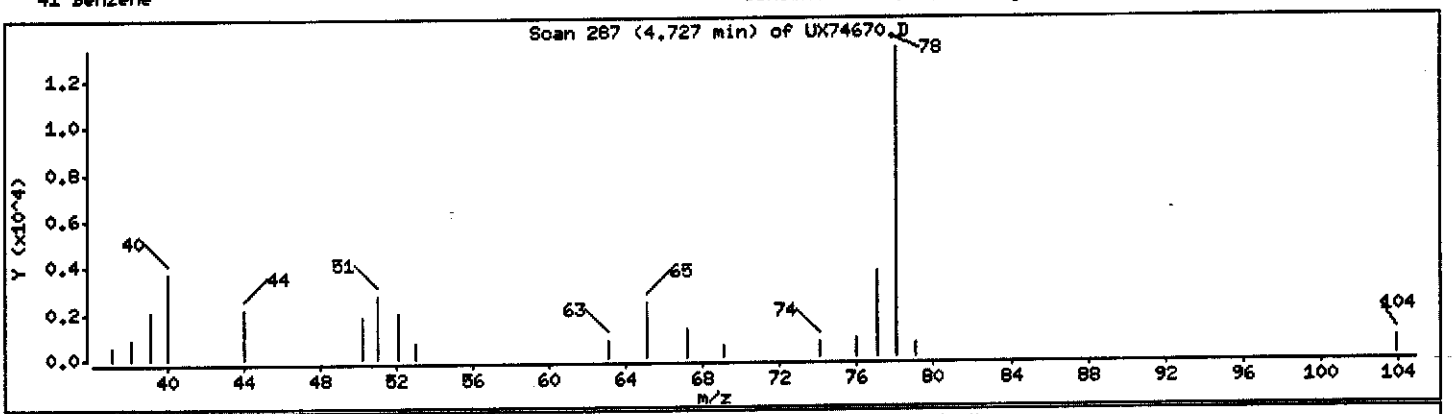
Client ID: MW-11A/033004 Instrument: a3ux7.i

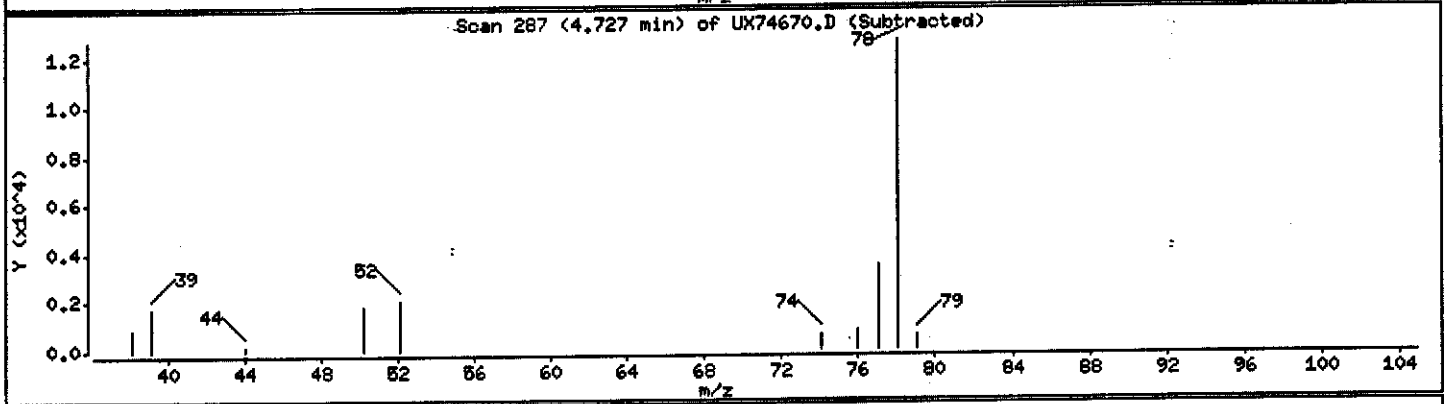
Sample Info: GC9W91AA,5ML/5ML

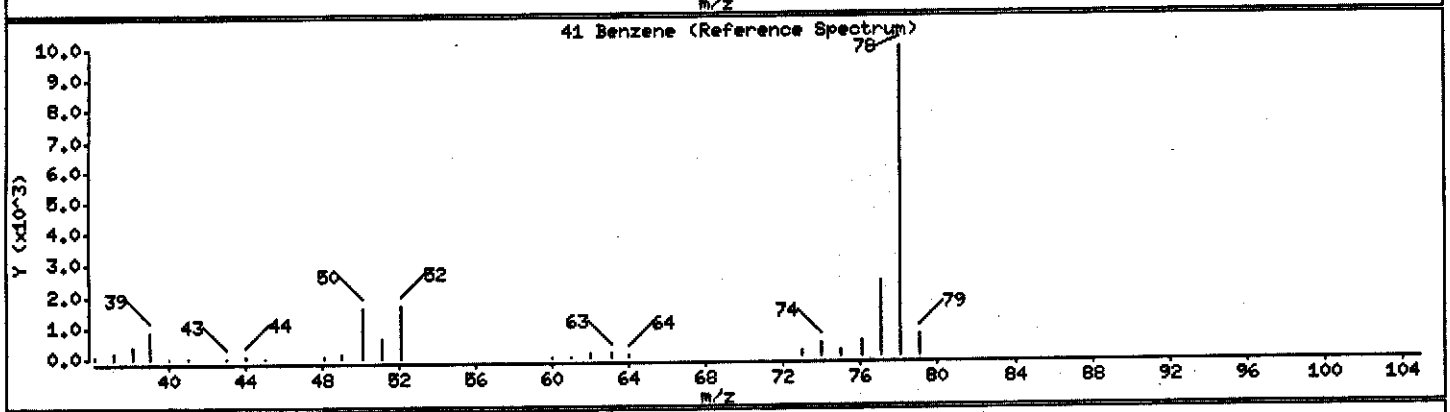
Purge Volume: 5.0 Operator: 1754

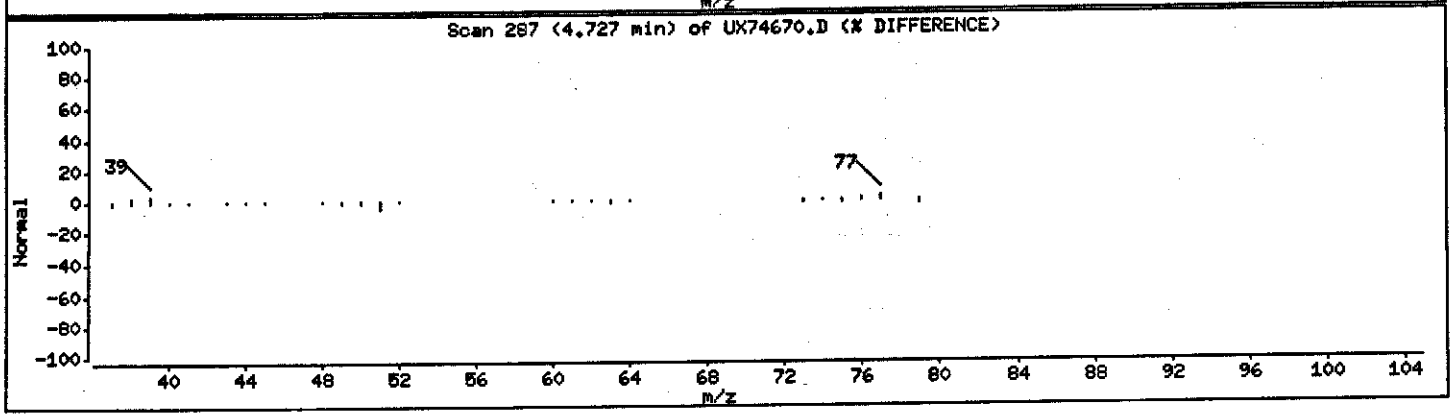
Column phase: DB624 20m Column diameter: 0.18

41 Benzene Concentration: 0.3685 ug/L









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Date : 09-APR-2004 15:40

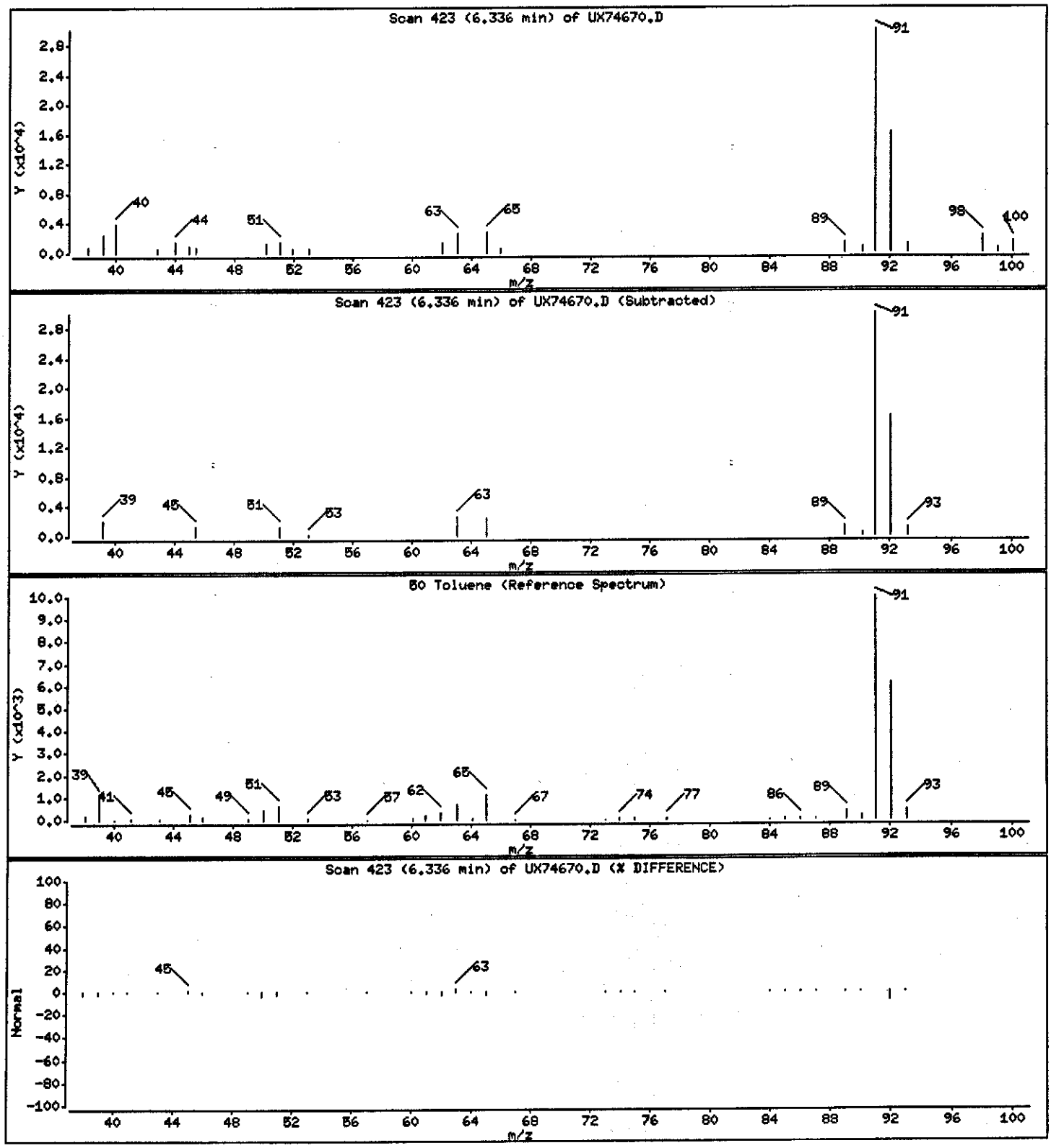
Client ID: MW-11A/033004 Instrument: a3ux7.i

Sample Info: GC9W91AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.5989 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-43A/033004

GC/MS Volatiles

Lot-Sample #...: A4C310291-005 **Work Order #...:** GC9XC1AA **Matrix.....:** WG
Date Sampled...: 03/30/04 10:28 **Date Received..:** 03/31/04
Prep Date.....: 04/09/04 **Analysis Date..:** 04/09/04
Prep Batch #...: 4103342
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-43A/033004

GC/MS Volatiles

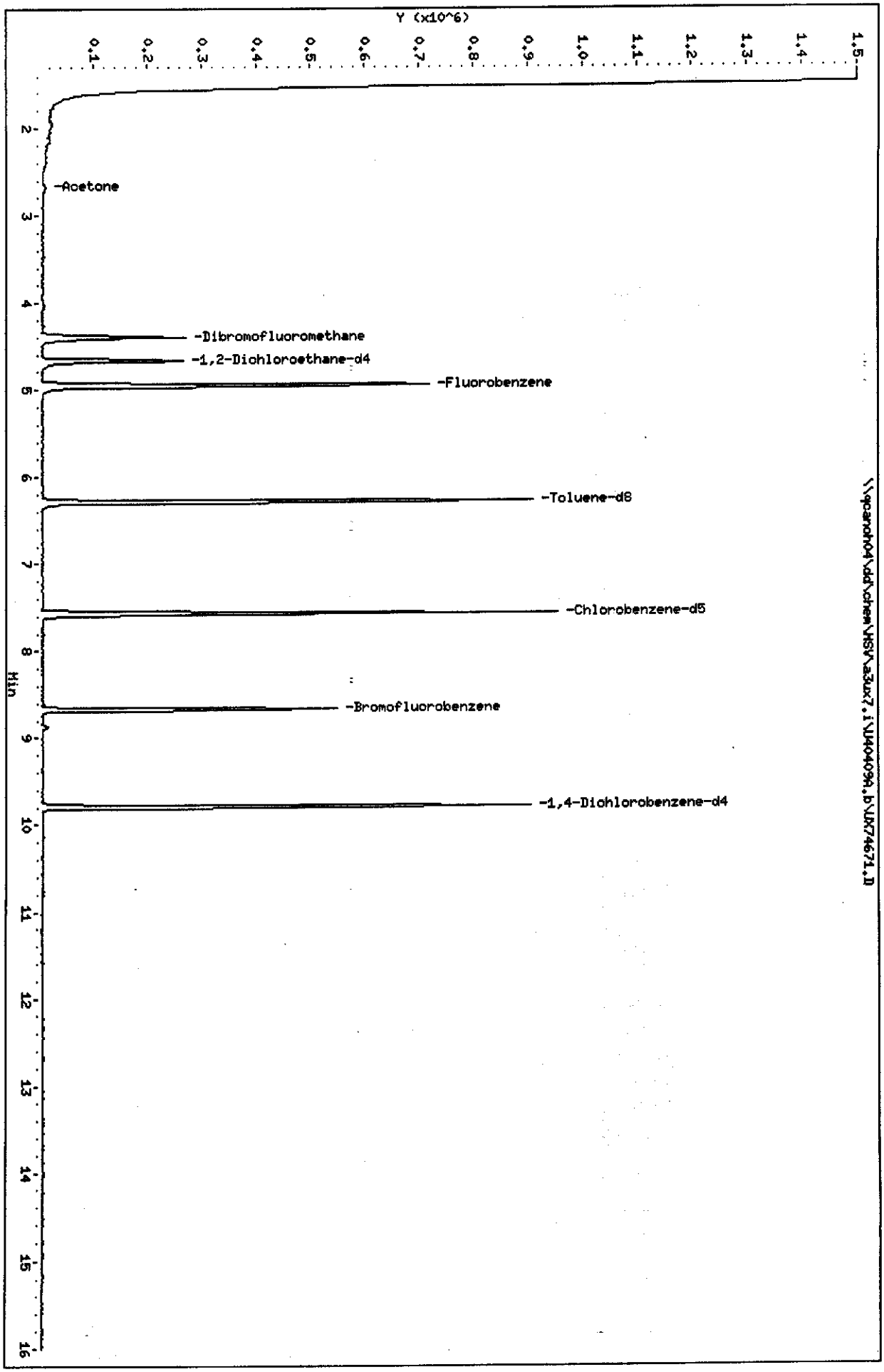
Lot-Sample #...: A4C310291-005 **Work Order #...:** GC9XC1AA **Matrix.....:** WG

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	99	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U404090.b\UX74671.D
Date : 09-APR-2004 16:04
Client ID: MW-436/033004
Sample Info: GC9XD1A0,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74671.D
Report Date: 10-Apr-2004 10:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74671.D
Lab Smp Id: GC9XC1AA Client Smp ID: MW-43A/033004
Inj Date : 09-APR-2004 16:04
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GC9XC1AA,5ML/5ML
Misc Info : U40409A,N8260UX7-3,,1754
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Meth Date : 10-Apr-2004 10:06 evansl Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.951	4.940	(1.000)	834923	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	648276	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	278340	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.396	(0.888)	188775	52.3152	10.463
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	212001	49.5228	9.904
$ 6 Toluene-d8	98	6.277	6.278	(0.830)	696166	47.9715	9.594
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.145)	204971	39.6213	7.924
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.680	2.680	(0.541)	14854	9.46086	1.892
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74671.D
Report Date: 10-Apr-2004 10:18

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74671.D
Report Date: 10-Apr-2004 10:18

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

Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74671.D

Date : 09-APR-2004 16:04

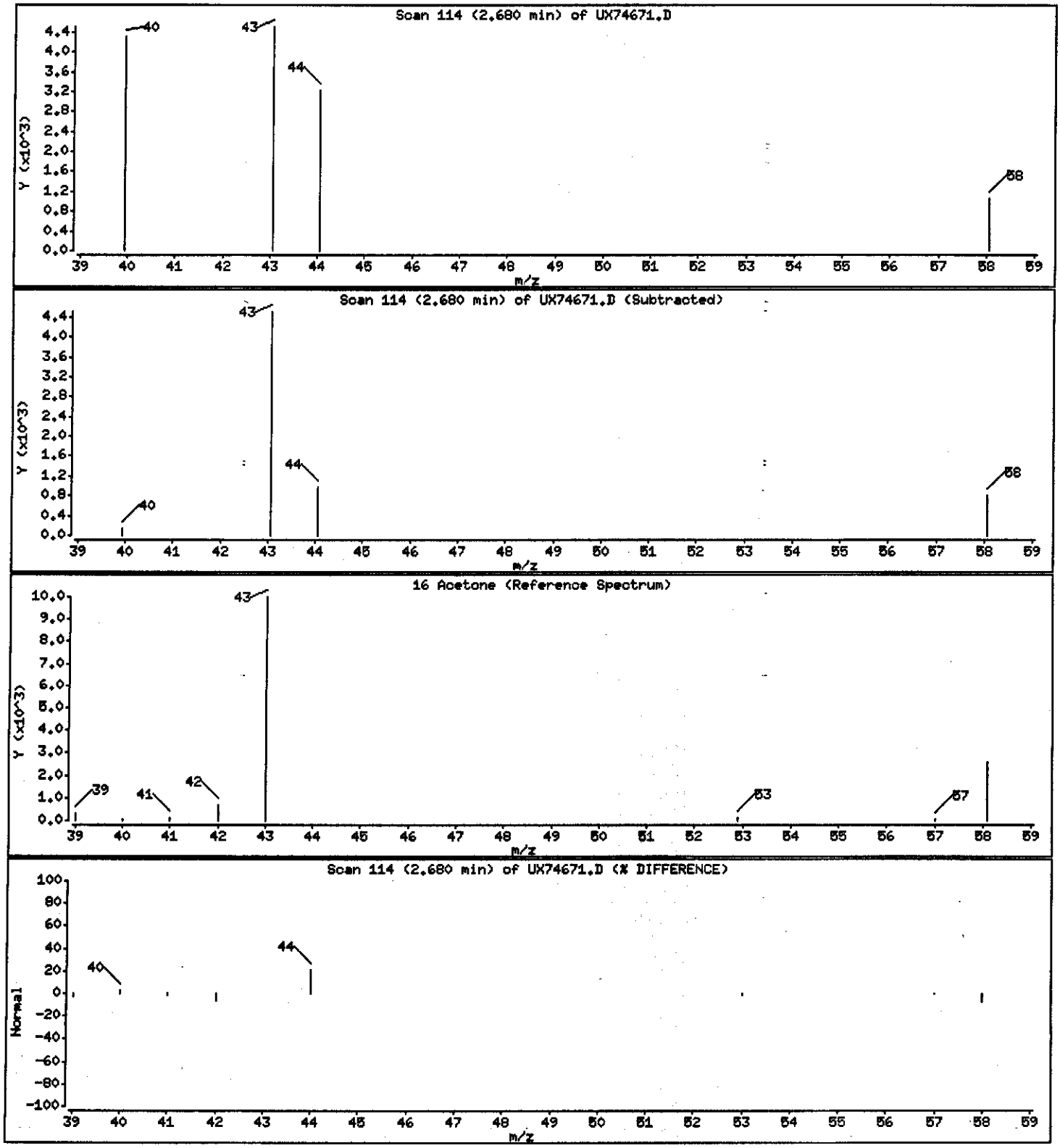
Client ID: MW-43A/033004 Instrument: a3ux7.i

Sample Info: GC9XC1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 1.892 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-18/033004

GC/MS Volatiles

Lot-Sample #...: A4C310291-006 **Work Order #...:** GC9XE1AA **Matrix.....:** WG
Date Sampled...: 03/30/04 10:00 **Date Received..:** 03/31/04
Prep Date.....: 04/09/04 **Analysis Date..:** 04/09/04
Prep Batch #...: 4103342
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	**7.2**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-18/033004

GC/MS Volatiles

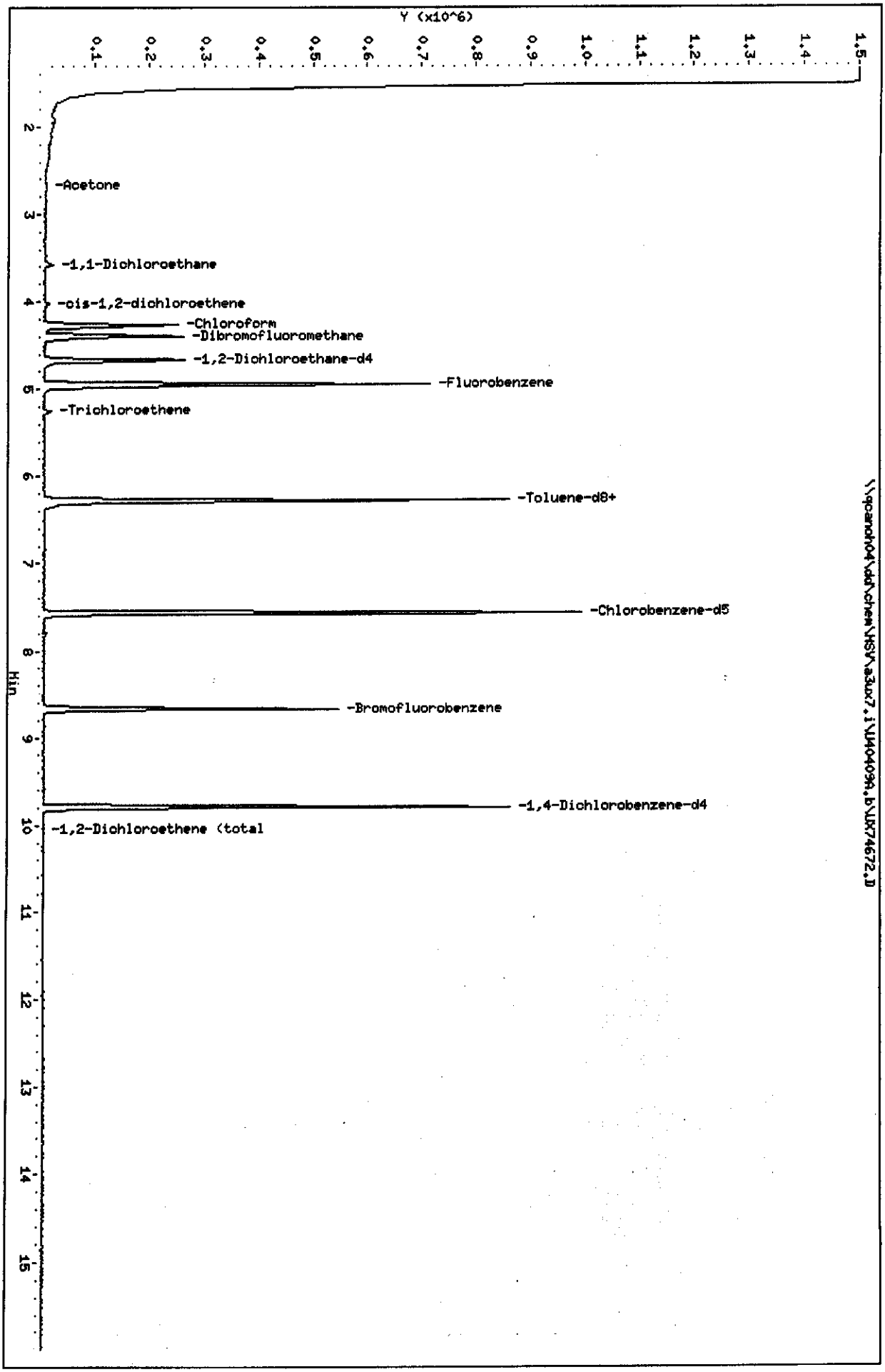
Lot-Sample #...: A4C310291-006 **Work Order #...:** GC9XE1AA **Matrix.....:** WG

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	107	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U40409A.b\UX74672.D
Date : 09-APR-2004 16:27
Client ID: MW-18/033004
Sample Info: GC9XE10A,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74672.D
Report Date: 10-Apr-2004 10:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74672.D
Lab Smp Id: GC9XE1AA Client Smp ID: MW-18/033004
Inj Date : 09-APR-2004 16:27
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GC9XE1AA,5ML/5ML
Misc Info : U40409A,N8260UX7-3,,1754
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Meth Date : 10-Apr-2004 10:06 evansl Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.943	4.940	(1.000)	825668	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	654429	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.792	(1.000)	278350	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.396	(0.890)	191600	53.6932	10.739
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.945)	206720	48.8304	9.766
$ 6 Toluene-d8	98	6.280	6.278	(0.830)	672608	45.9124	9.182
$ 7 Bromofluorobenzene	95	8.670	8.668	(1.145)	203027	38.8765	7.775
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.671	2.680	(0.540)	8339	5.93090	1.186
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74672.D
Report Date: 10-Apr-2004 10:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.570	3.568	(0.722)	23062	3.53954	0.7079
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				5452	1.24185	0.2484
	32 cis-1,2-dichloroethene	96	4.020	4.017	(0.813)	5452	1.24185	0.2484
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.268	4.266	(0.864)	238243	35.9949	7.199
	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	5.250	5.248	(1.062)	5807	1.32996	0.2660
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.339	6.337	(0.837)	19906	1.08881	0.2178
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74672.D
Report Date: 10-Apr-2004 10:18

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74672.D

Date : 09-APR-2004 16:27

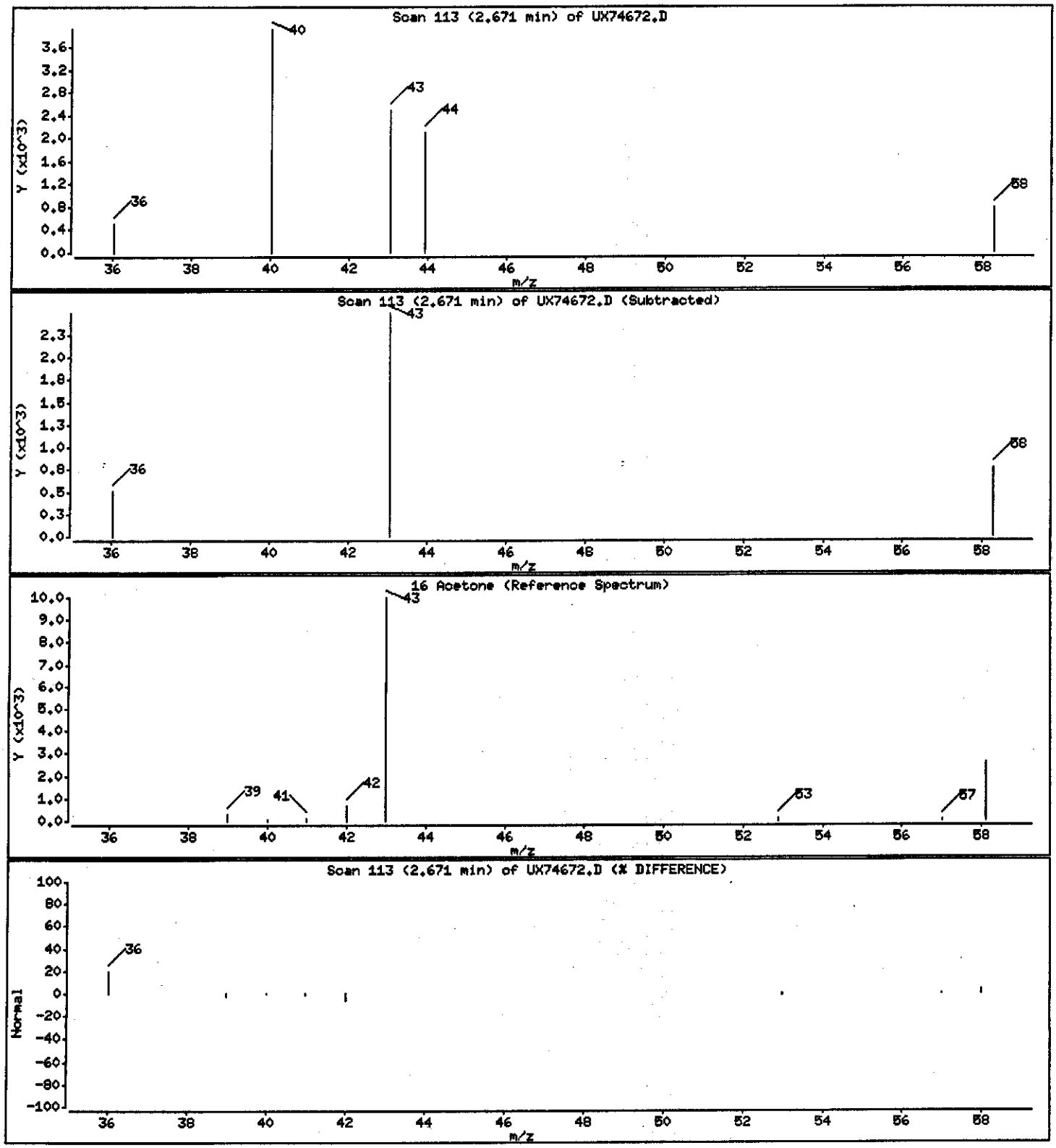
Client ID: MW-18/033004 Instrument: a3ux7.i

Sample Info: GC9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 1.186 ug/L



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Date : 09-APR-2004 16:27

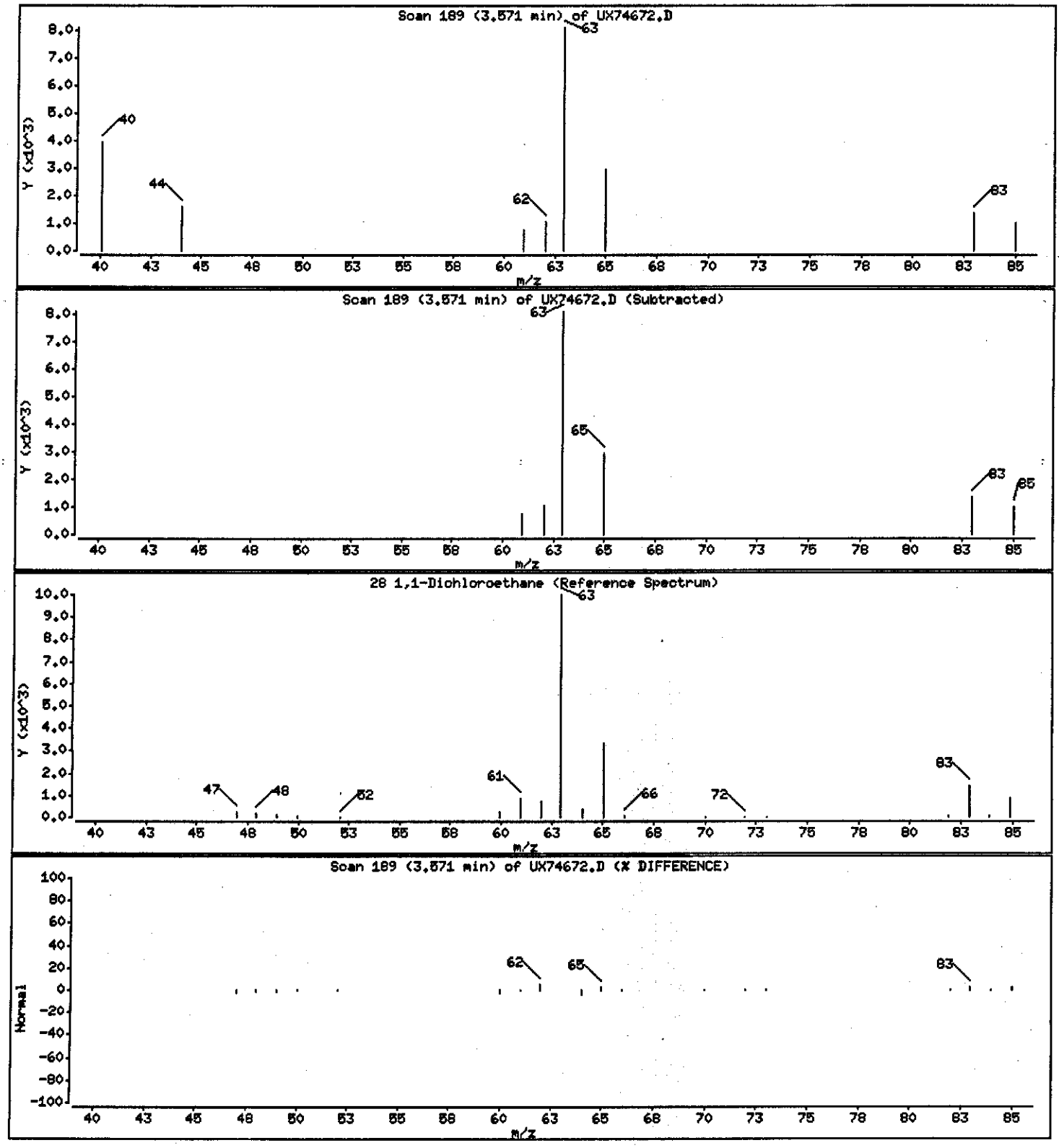
Client ID: MW-18/033004 Instrument: a3ux7.i

Sample Info: GC9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 0.7079 ug/L



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Date : 09-APR-2004 16:27

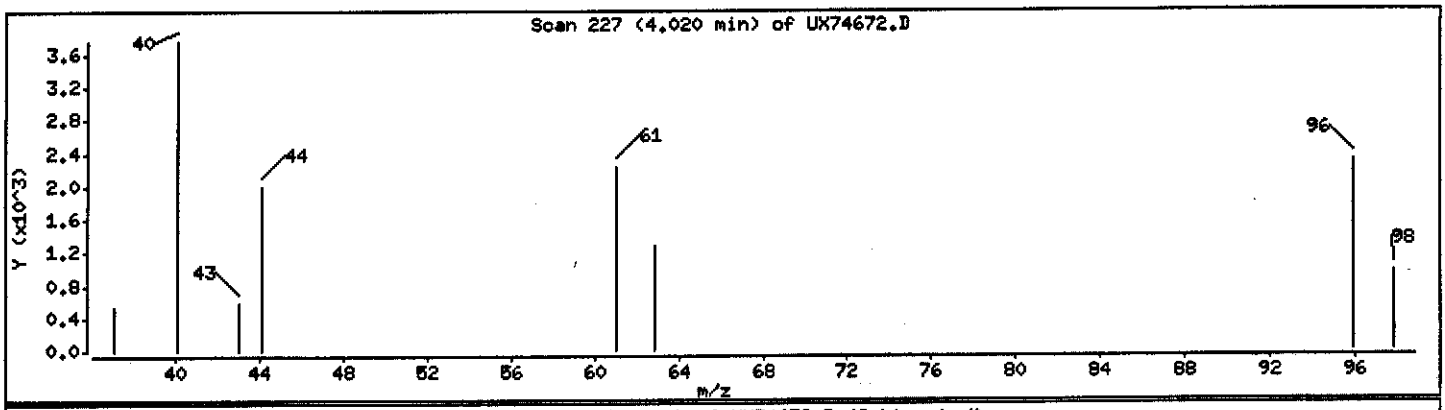
Client ID: MW-18/033004 Instrument: a3ux7.i

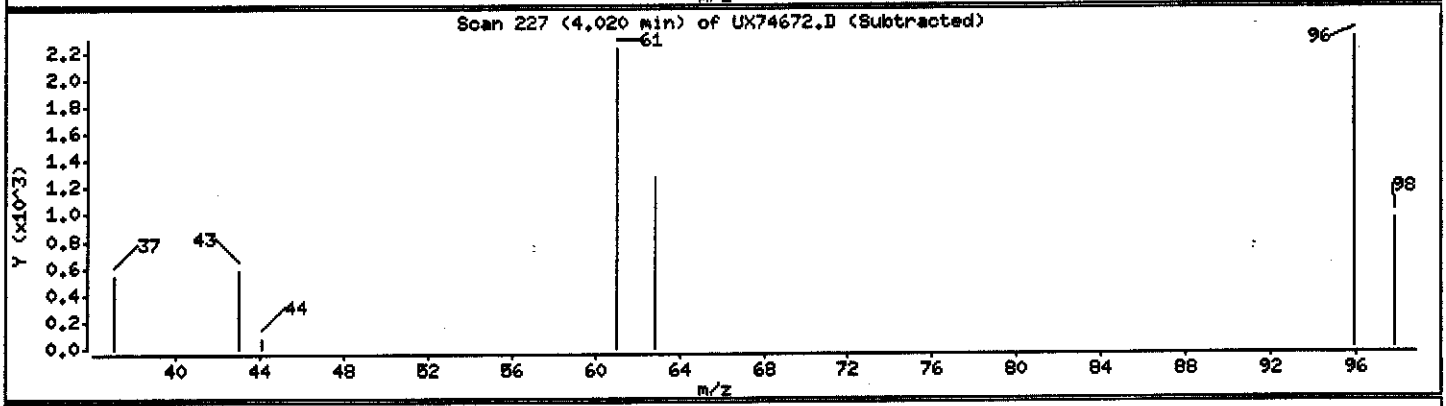
Sample Info: GC9XE1AA,5ML/5ML

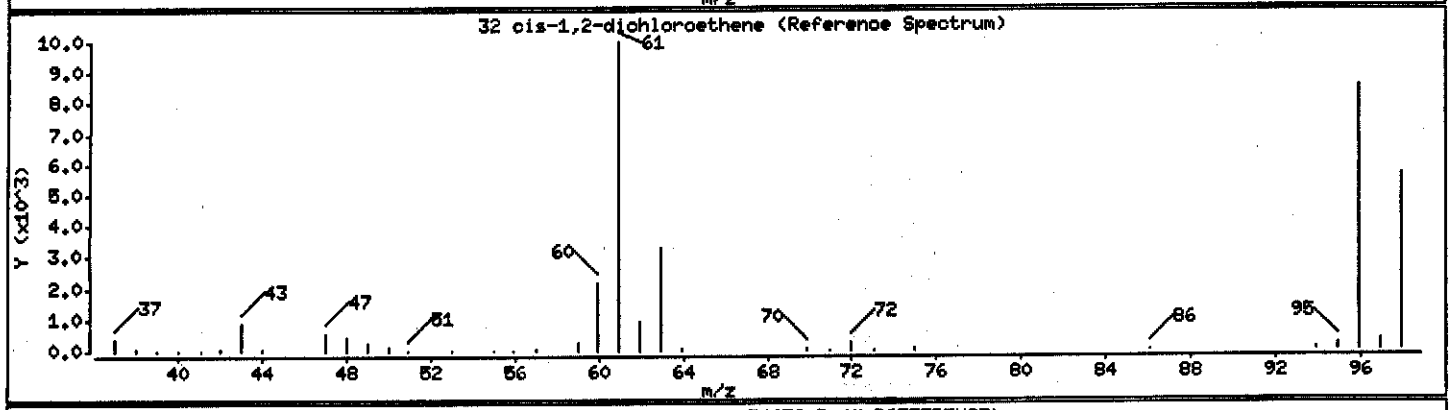
Purge Volume: 5.0 Operator: 1754

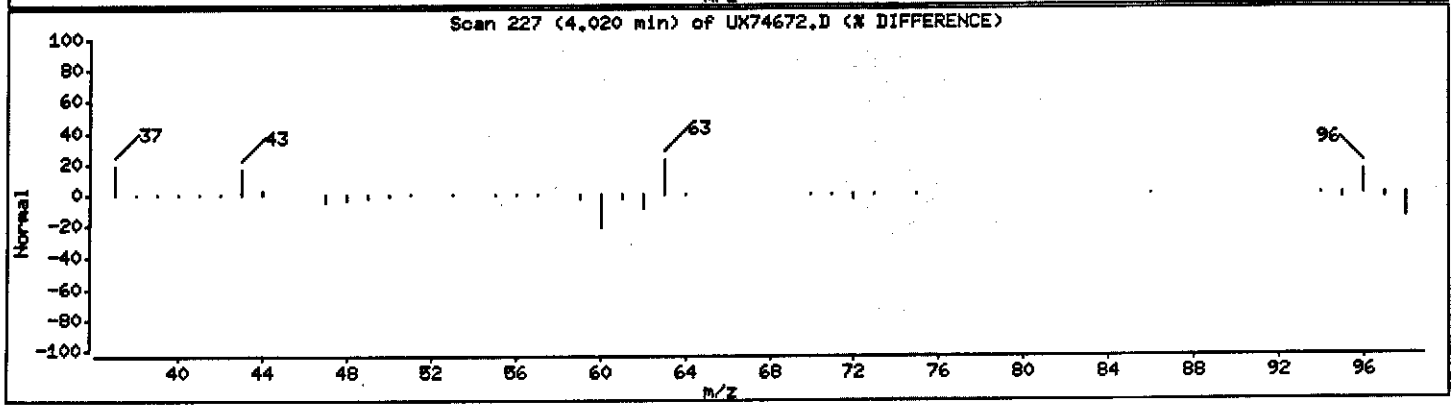
Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 0.2484 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74672.D

Date : 09-APR-2004 16:27

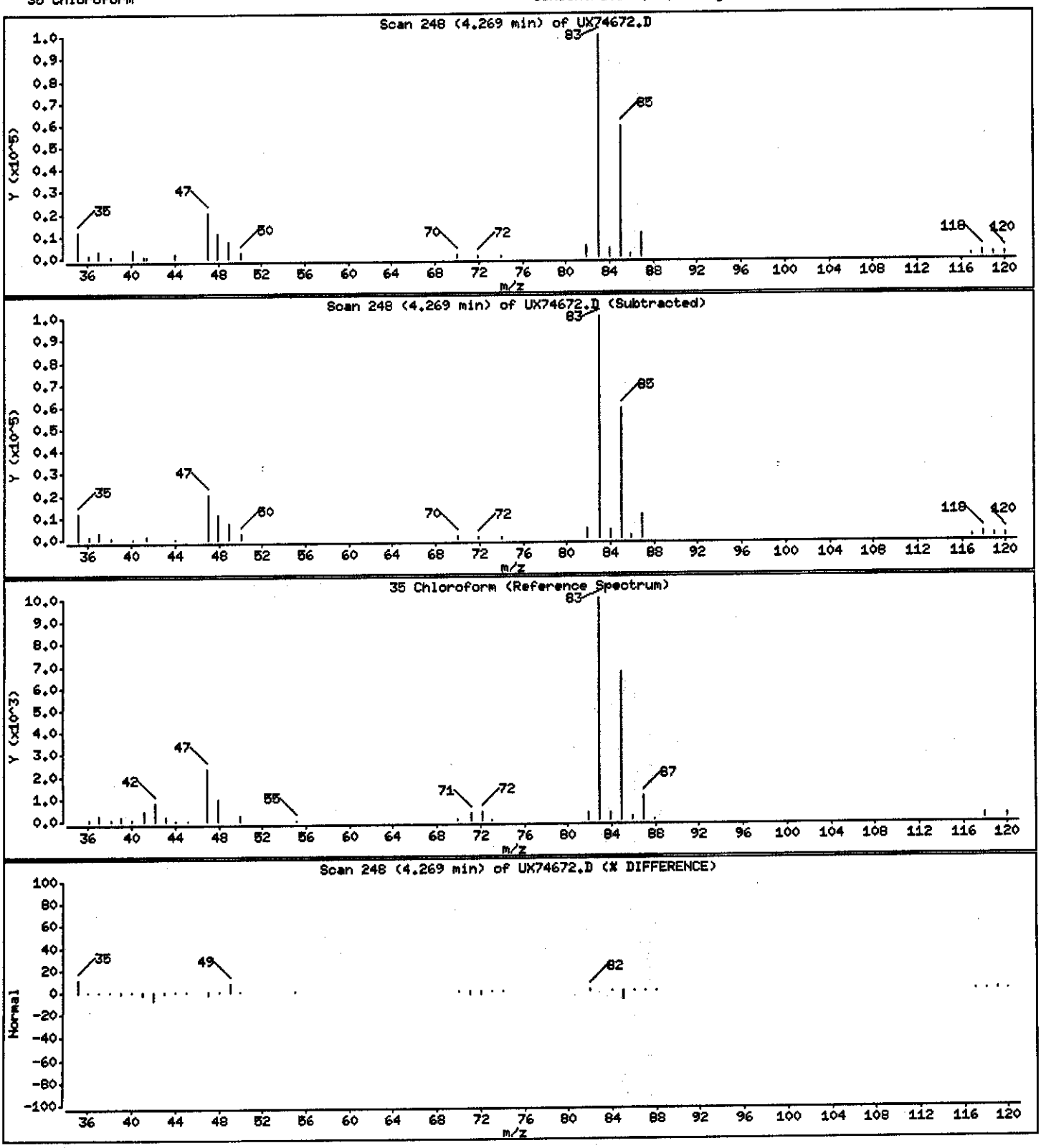
Client ID: MW-18/033004 | Instrument: a3ux7.i

Sample Info: GC9XE1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1754

Column phase: DB624 20m | Column diameter: 0.18

35 Chloroform | Concentration: 7.199 ug/L



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Date : 09-APR-2004 16:27

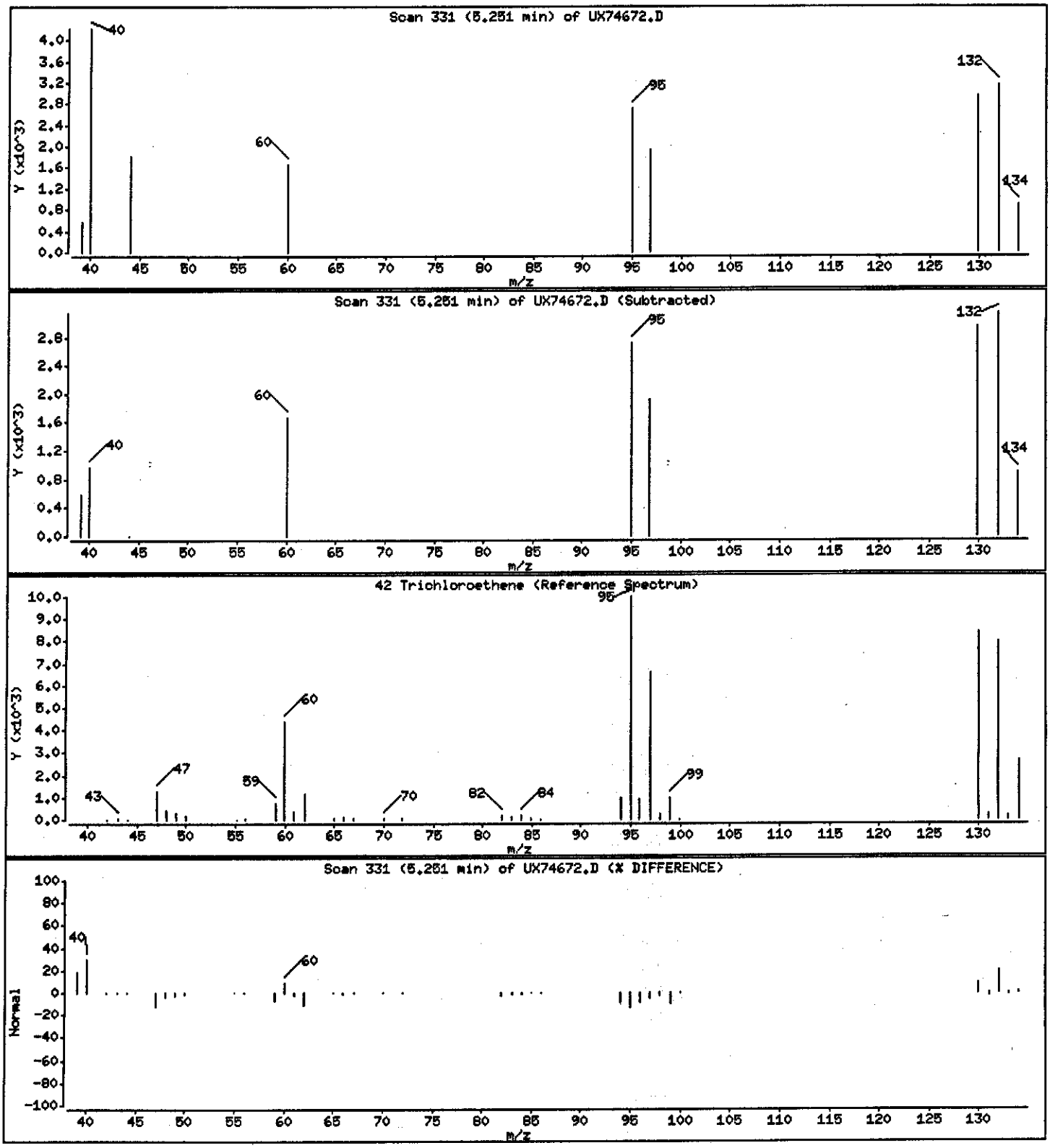
Client ID: MW-18/033004 Instrument: a3ux7.i

Sample Info: GC9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

42 Trichloroethene Concentration: 0.2660 ug/L



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Date : 09-APR-2004 16:27

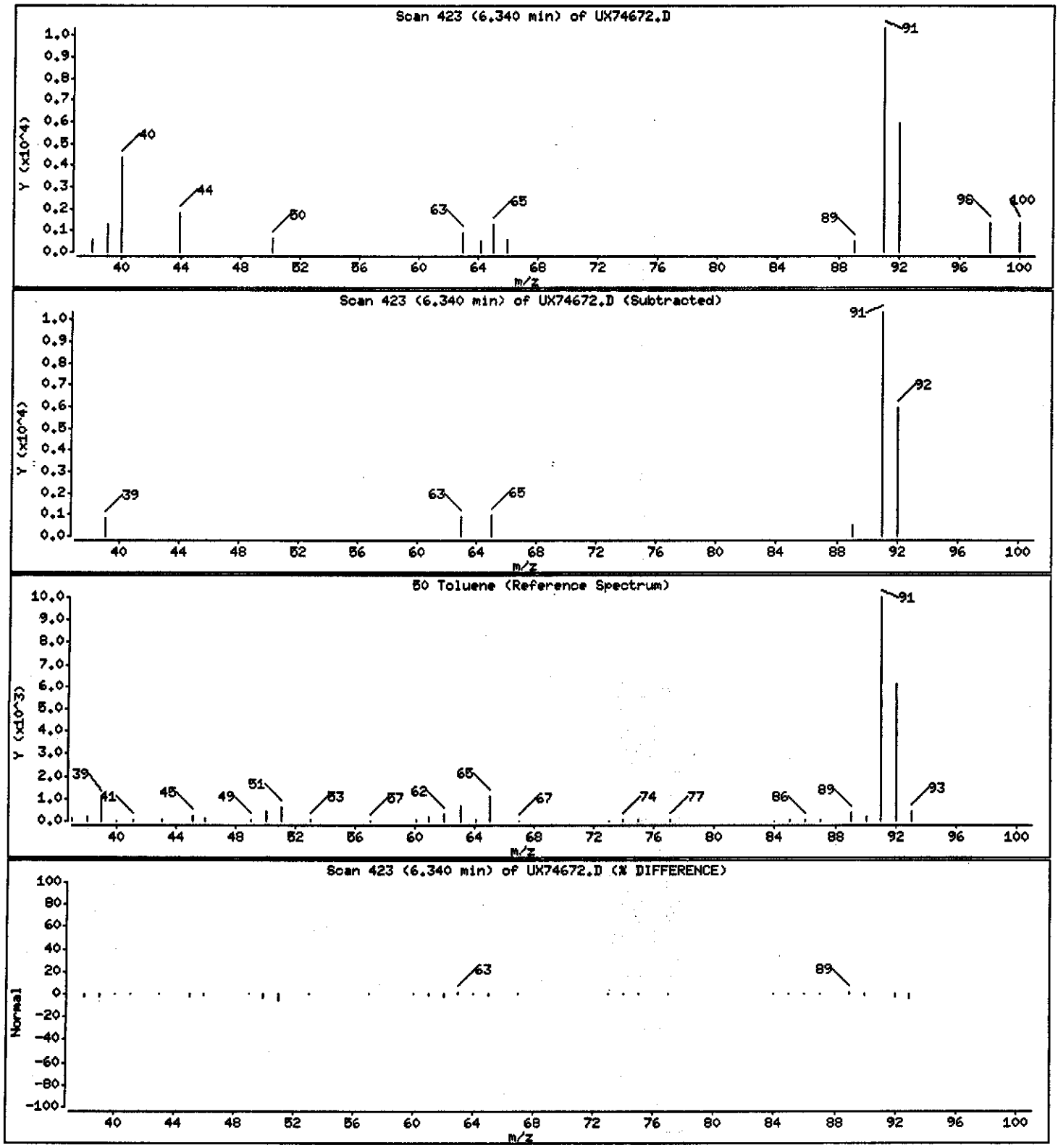
Client ID: MW-18/033004 Instrument: a3ux7.i

Sample Info: GC9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.2178 ug/L



PAYNE FIRM INC.

Client Sample ID: P-1/033004

GC/MS Volatiles

Lot-Sample #...: A4C310291-007 **Work Order #...:** GC9XG1AA **Matrix.....:** WG
Date Sampled...: 03/30/04 08:52 **Date Received..:** 03/31/04
Prep Date.....: 04/09/04 **Analysis Date..:** 04/09/04
Prep Batch #...: 4103342
Dilution Factor: 6.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	67	ug/L
Acetonitrile	ND	130	ug/L
Acrolein	ND	130	ug/L
Acrylonitrile	ND	130	ug/L
Benzene	ND	6.7	ug/L
Bromodichloromethane	ND	6.7	ug/L
Bromoform	ND	6.7	ug/L
Bromomethane	ND	6.7	ug/L
2-Butanone	ND	67	ug/L
Carbon disulfide	ND	6.7	ug/L
Carbon tetrachloride	ND	6.7	ug/L
Chlorobenzene	ND	6.7	ug/L
Chloroprene	ND	13	ug/L
Dibromochloromethane	ND	6.7	ug/L
Chloroethane	ND	6.7	ug/L
Chloroform	ND	6.7	ug/L
Chloromethane	ND	6.7	ug/L
3-Chloropropene	ND	13	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L
1,2-Dibromoethane	ND	6.7	ug/L
Dibromomethane	ND	6.7	ug/L
trans-1,4-Dichloro-2-butene	ND	6.7	ug/L
1,1-Dichloroethane	**14**	**6.7**	**ug/L**
1,2-Dichloroethane	**60**	**6.7**	**ug/L**
cis-1,2-Dichloroethene	**75**	**6.7**	**ug/L**
trans-1,2-Dichloroethene	**12**	**6.7**	**ug/L**
1,1-Dichloroethene	ND	6.7	ug/L
1,2-Dichloroethene (total)	**87**	**13**	**ug/L**
Dichlorofluoromethane	ND	13	ug/L
1,2-Dichloropropane	ND	6.7	ug/L
cis-1,3-Dichloropropene	ND	6.7	ug/L
trans-1,3-Dichloropropene	ND	6.7	ug/L
1,4-Dioxane	ND	1300	ug/L
Ethylbenzene	ND	6.7	ug/L
Ethyl methacrylate	ND	6.7	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: P-1/033004

GC/MS Volatiles

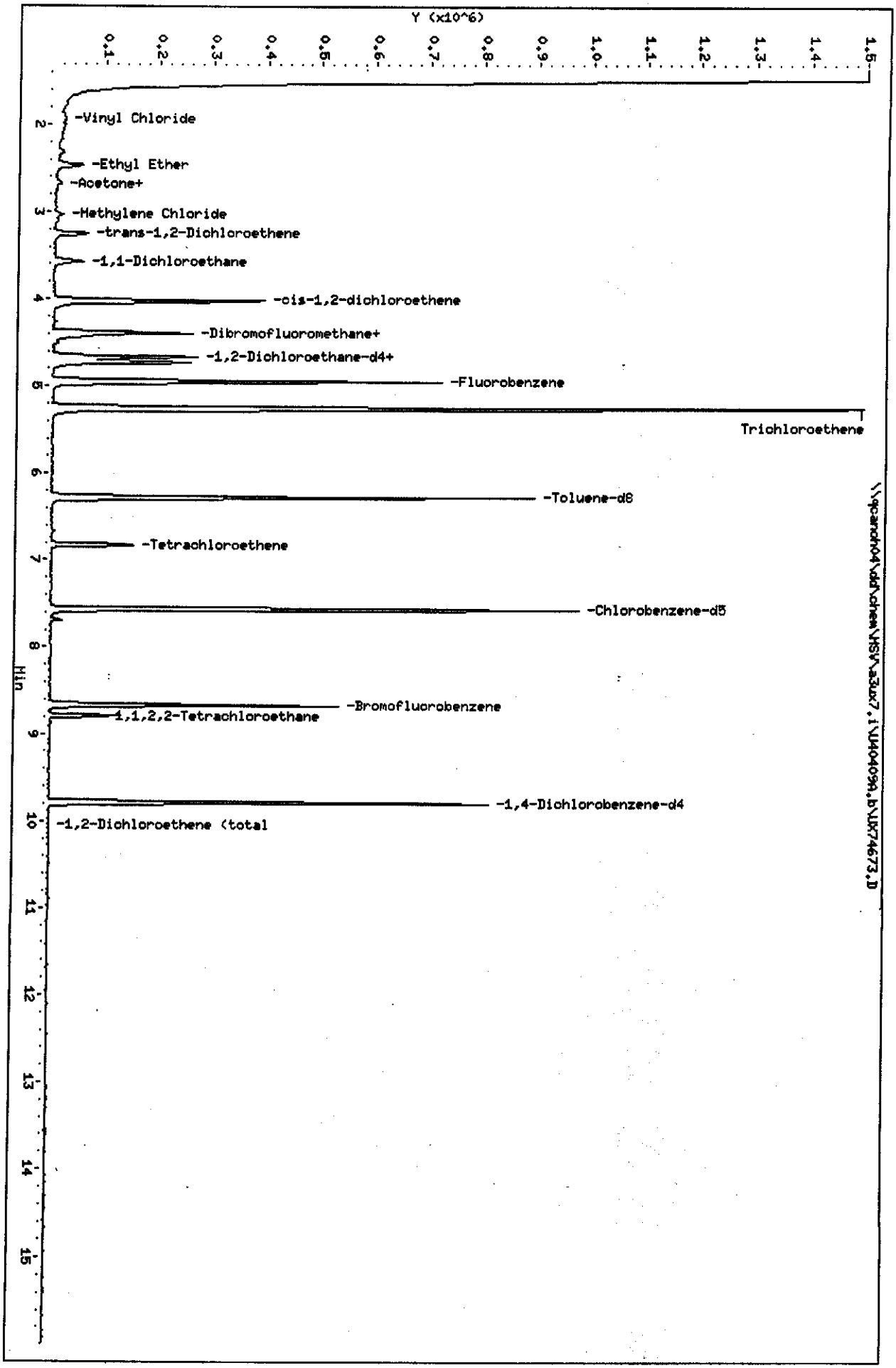
Lot-Sample #...: A4C310291-007 **Work Order #...:** GC9XG1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	67	ug/L
Iodomethane	ND	6.7	ug/L
Isobutanol	ND	330	ug/L
Methacrylonitrile	ND	13	ug/L
Methylene chloride	ND	6.7	ug/L
Methyl methacrylate	ND	13	ug/L
4-Methyl-2-pentanone	ND	67	ug/L
Propionitrile	ND	27	ug/L
Styrene	ND	6.7	ug/L
1,1,1,2-Tetrachloroethane	ND	6.7	ug/L
1,1,2,2-Tetrachloroethane	**22**	**6.7**	**ug/L**
Tetrachloroethene	**20**	**6.7**	**ug/L**
Toluene	ND	6.7	ug/L
1,1,1-Trichloroethane	**6.8**	**6.7**	**ug/L**
1,1,2-Trichloroethane	ND	6.7	ug/L
Trichloroethene	**210**	**6.7**	**ug/L**
Trichlorofluoromethane	ND	6.7	ug/L
1,2,3-Trichloropropane	ND	6.7	ug/L
Vinyl acetate	ND	13	ug/L
Vinyl chloride	ND	6.7	ug/L
Xylenes (total)	ND	13	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U404090.b\UX74673.D
Date : 09-APR-2004 16:51
Client ID: P-1/033004
Sample Info: GC9XG140,0.75ML/5ML
Purge Volume: 0.8
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74673.D
Report Date: 10-Apr-2004 10:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74673.D
Lab Smp Id: GC9XG1AA Client Smp ID: P-1/033004
Inj Date : 09-APR-2004 16:51
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GC9XG1AA,0.75ML/5ML
Misc Info : U40409A,N8260UX7-3,,1754
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Meth Date : 10-Apr-2004 10:06 evansl Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.750	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.943	4.940	(1.000)	839141	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	646713	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.792	(1.000)	277634	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.396	(0.890)	184363	50.8356	67.781
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.945)	227857	52.9591	70.612
$ 6 Toluene-d8	98	6.280	6.278	(0.830)	691924	47.7944	63.726
$ 7 Bromofluorobenzene	95	8.671	8.668	(1.145)	200228	38.7980	51.731
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.760	1.781	(0.356)	10261	2.10417	2.806
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.671	2.680	(0.540)	10797	7.19985	9.600
17 1,1-Dichloroethene	96	2.683	2.680	(0.543)	5740	1.53450	2.046
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74673.D
Report Date: 10-Apr-2004 10:19

	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	3.026	3.035	(0.612)	13039	3.02793	4.037
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	3.263	3.248	(0.660)	38477	9.08763	12.117
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.571	3.568	(0.722)	70412	10.6333	14.178
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				289881	65.4325	87.243
	32 cis-1,2-dichloroethene	96	4.020	4.017	(0.813)	251404	56.3449	75.126
	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	4.446	4.443	(0.899)	31490	5.11476	6.820
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.730	4.727	(0.957)	227447	45.0913	60.122
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.251	5.248	(1.062)	713544	160.797	214.40
	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	6.836	6.834	(0.903)	46737	14.6350	19.513
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74673.D
Report Date: 10-Apr-2004 10:19

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	8.789	8.786	(0.897)	67038	16.6802	22.240
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	2.470	2.468	(0.500)	47569	16.0643	21.419
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.505	4.503	(0.911)	5902	1.17137	1.562(a)
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

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74673.D

Date : 09-APR-2004 16:51

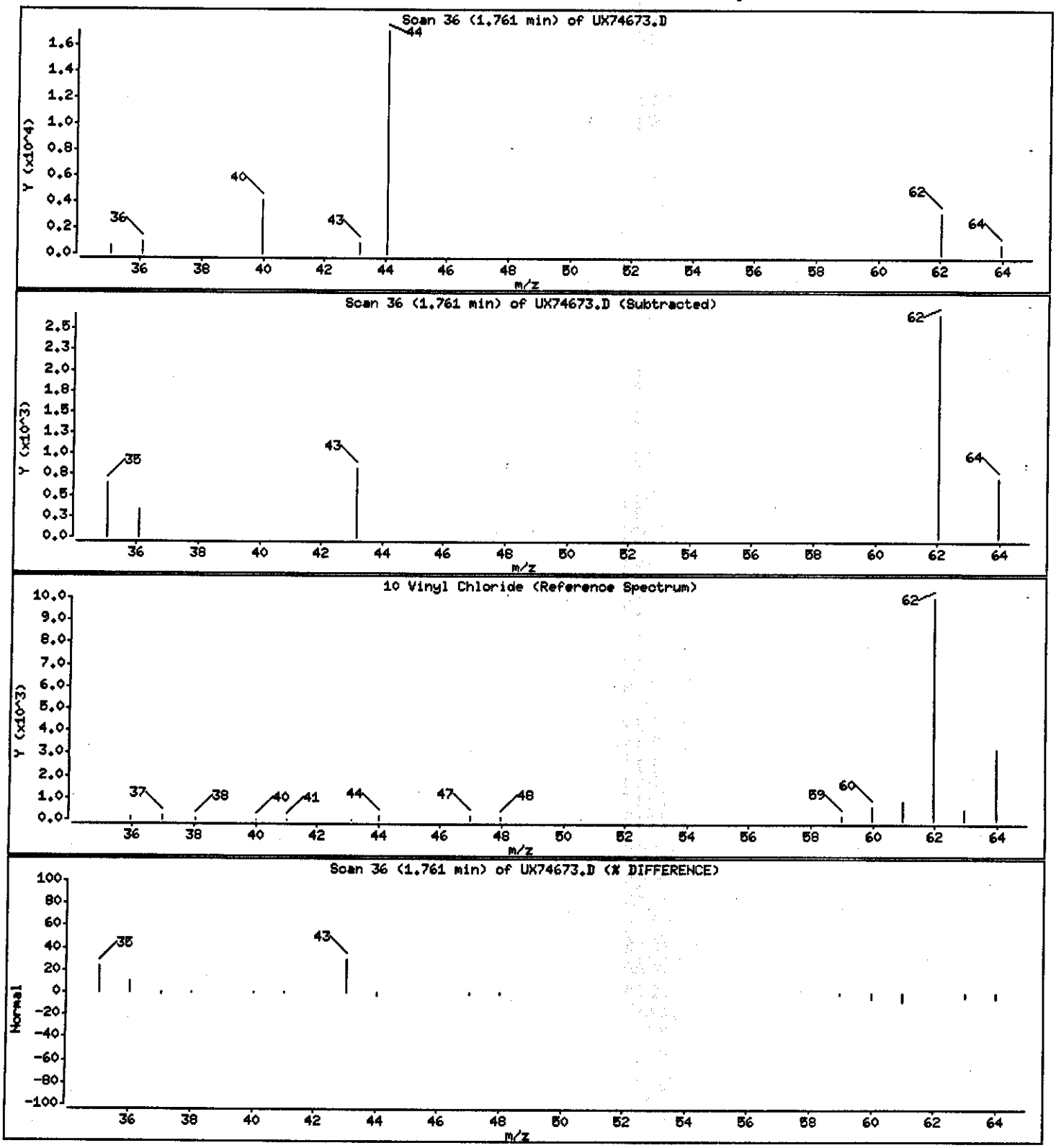
Client ID: P-1/033004 Instrument: a3ux7.i

Sample Info: GC9XG1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 2.806 ug/L



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Date : 09-APR-2004 16:51

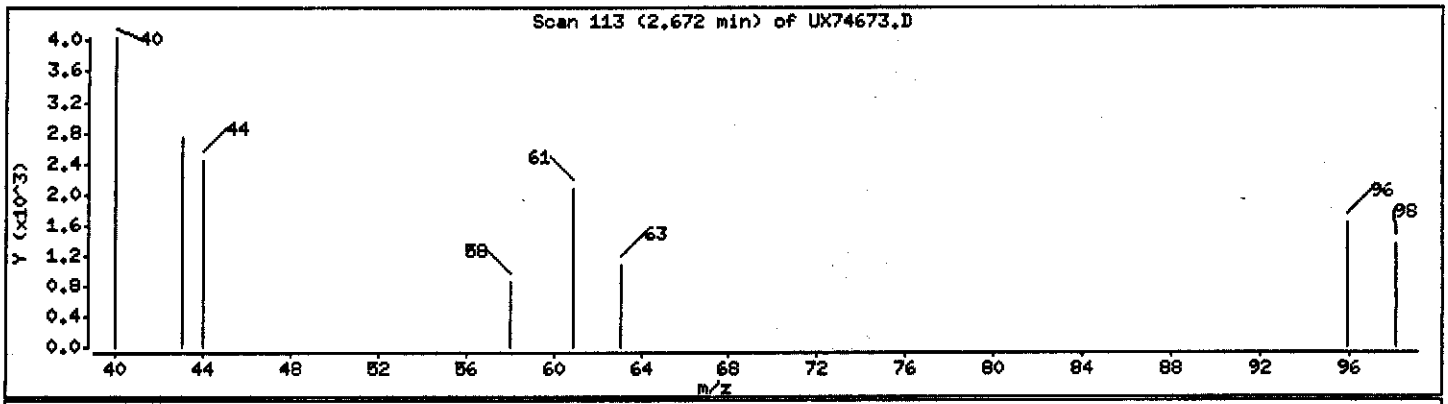
Client ID: P-1/033004 Instrument: a3ux7.i

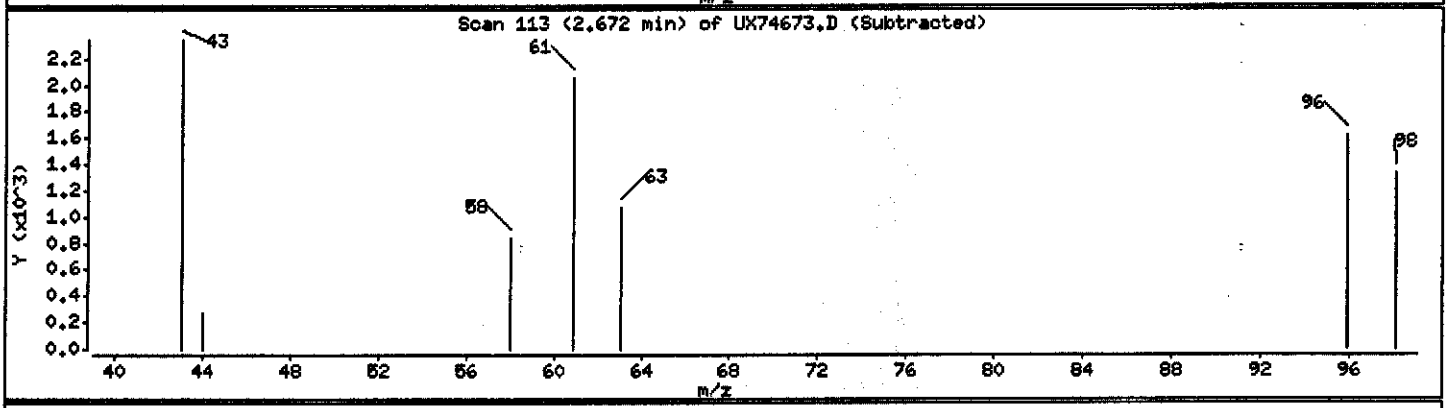
Sample Info: GC9XG1AA,0.75ML/5ML

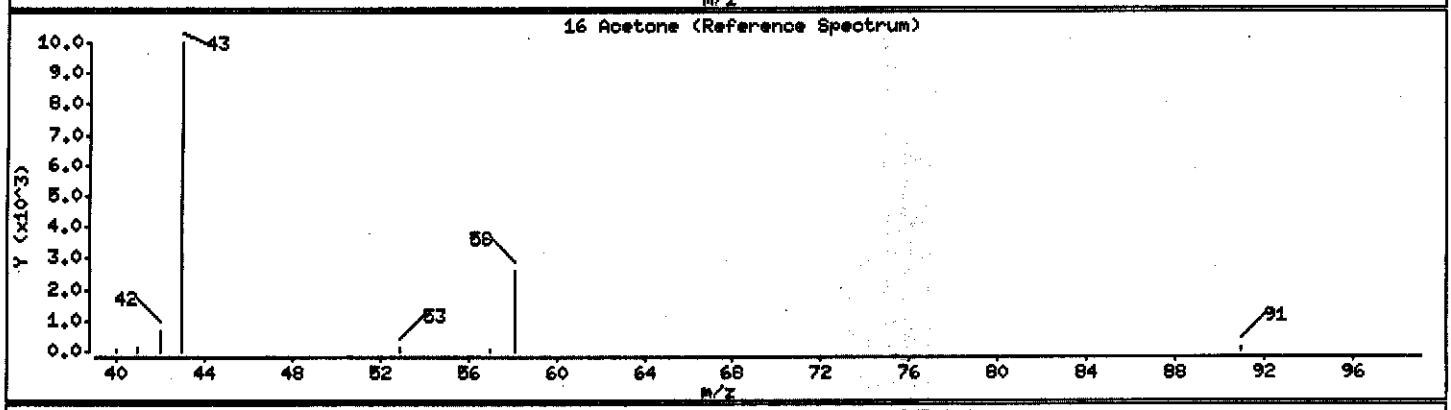
Purge Volume: 0.8 Operator: 1754

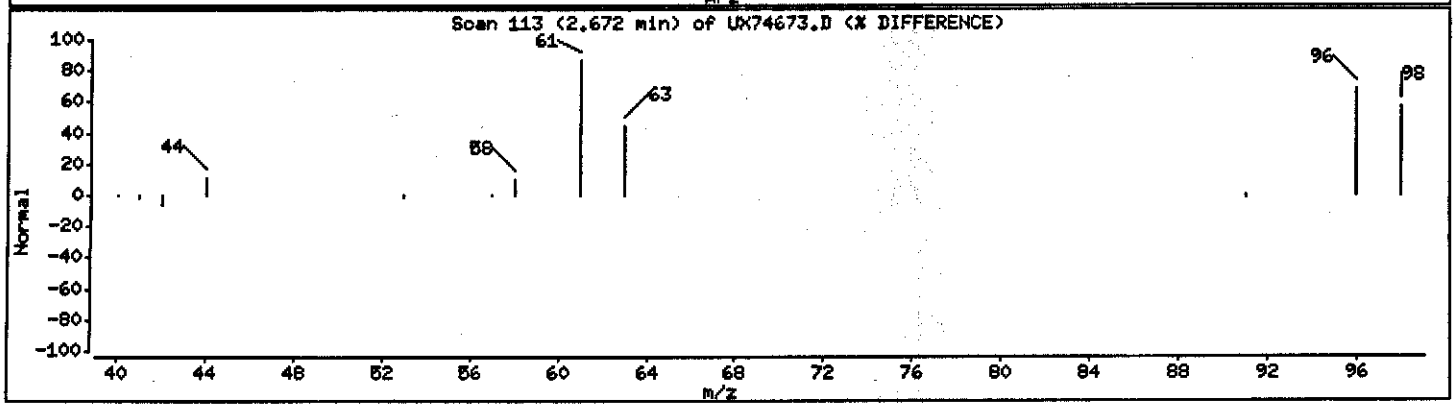
Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 9.600 ug/L









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Date : 09-APR-2004 16:51

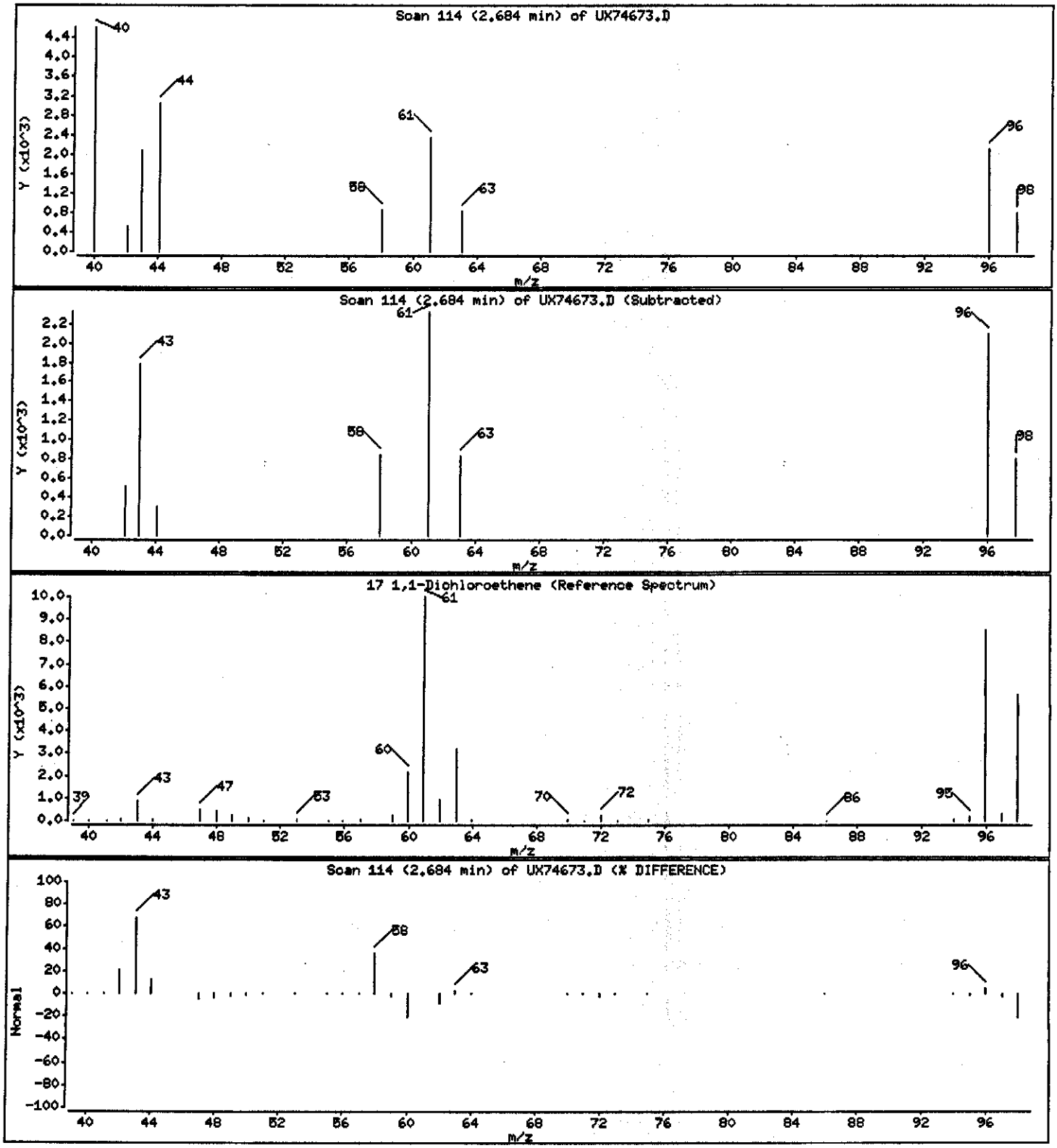
Client ID: P-1/033004 Instrument: a3ux7.i

Sample Info: GC9XG1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

17 1,1-Dichloroethene Concentration: 2.046 ug/L



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Date : 09-APR-2004 16:51

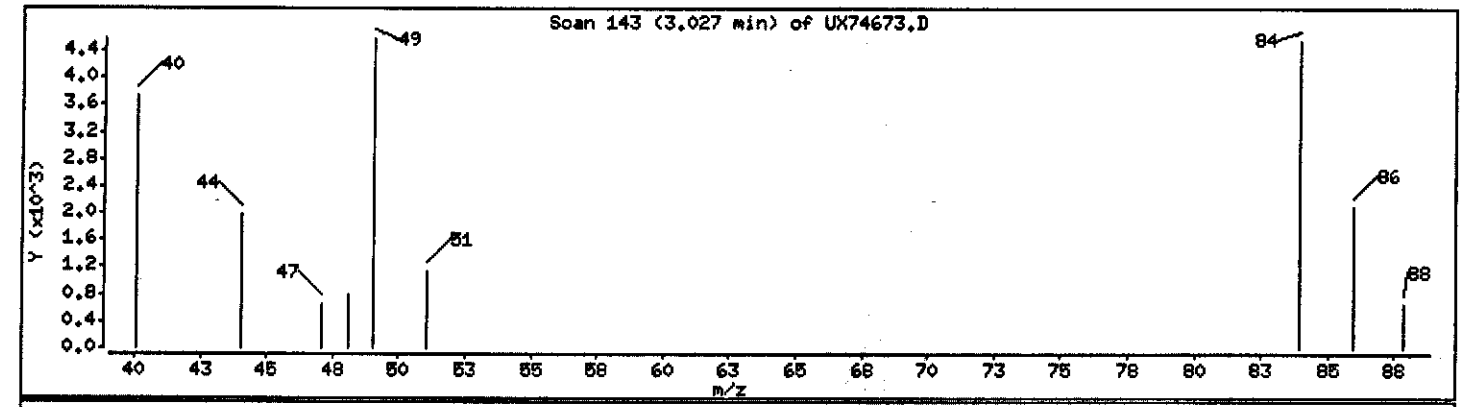
Client ID: P-1/033004 Instrument: a3ux7.i

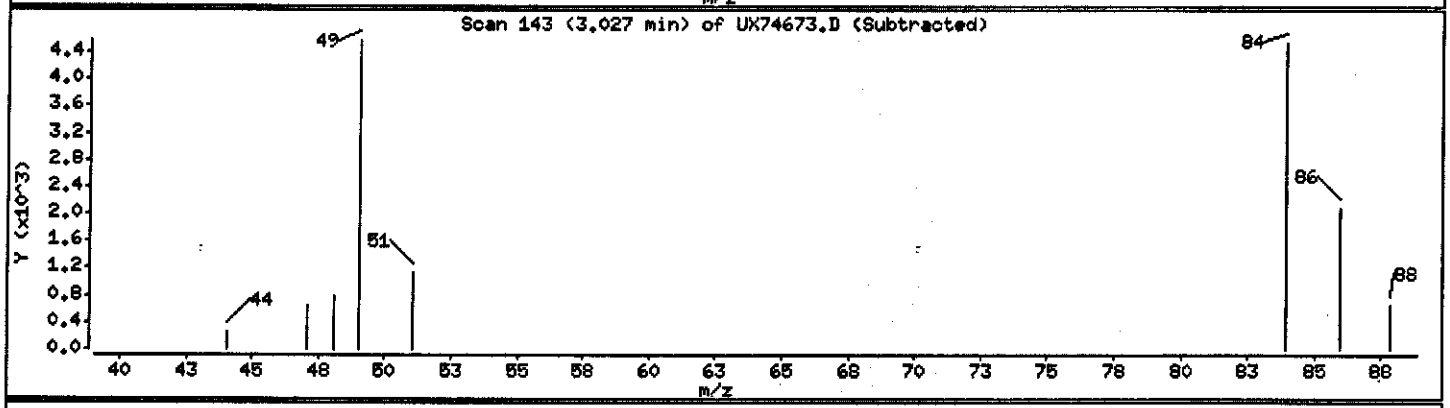
Sample Info: GC9XG1AA,0.75ML/5ML

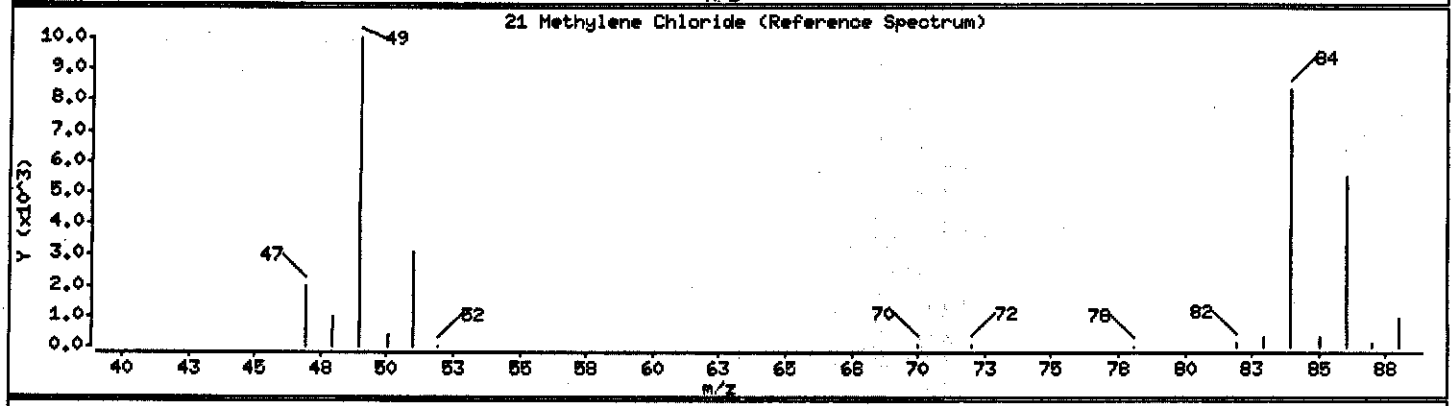
Purge Volume: 0.8 Operator: 1754

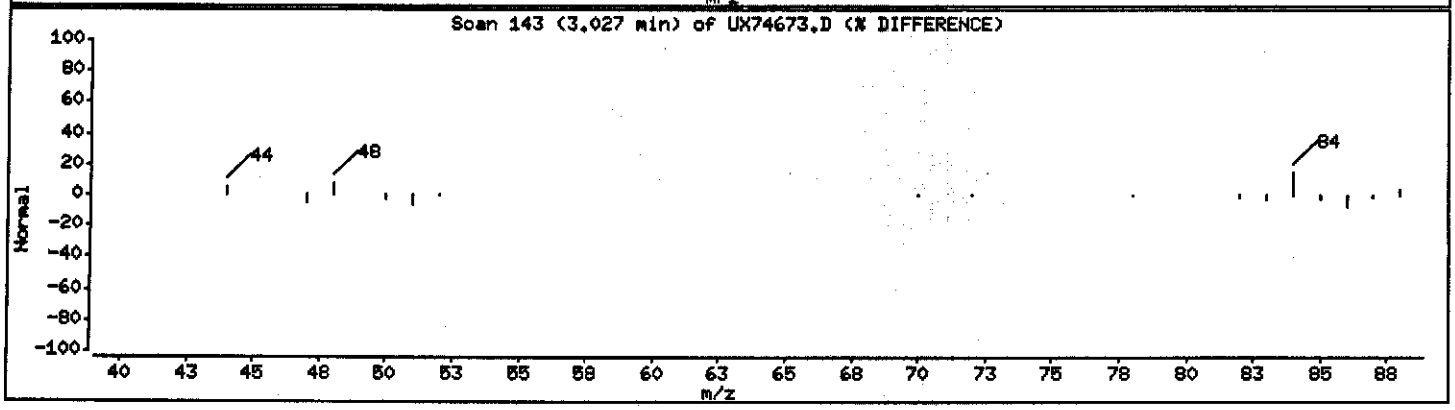
Column phase: DB624 20m Column diameter: 0.18

21 Methylene Chloride Concentration: 4.037 ug/L









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Date : 09-APR-2004 16:51

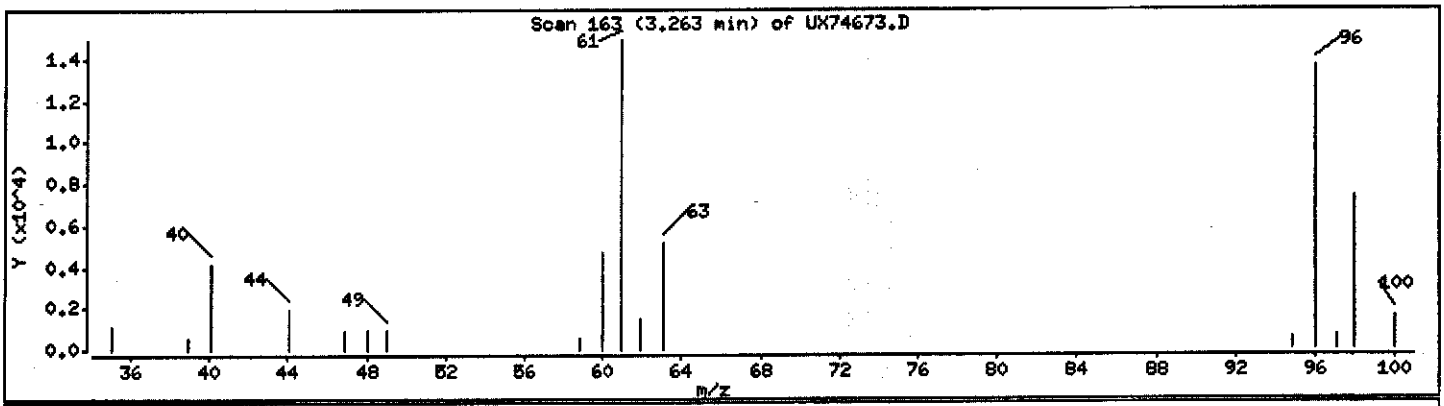
Client ID: P-1/033004 Instrument: a3ux7.i

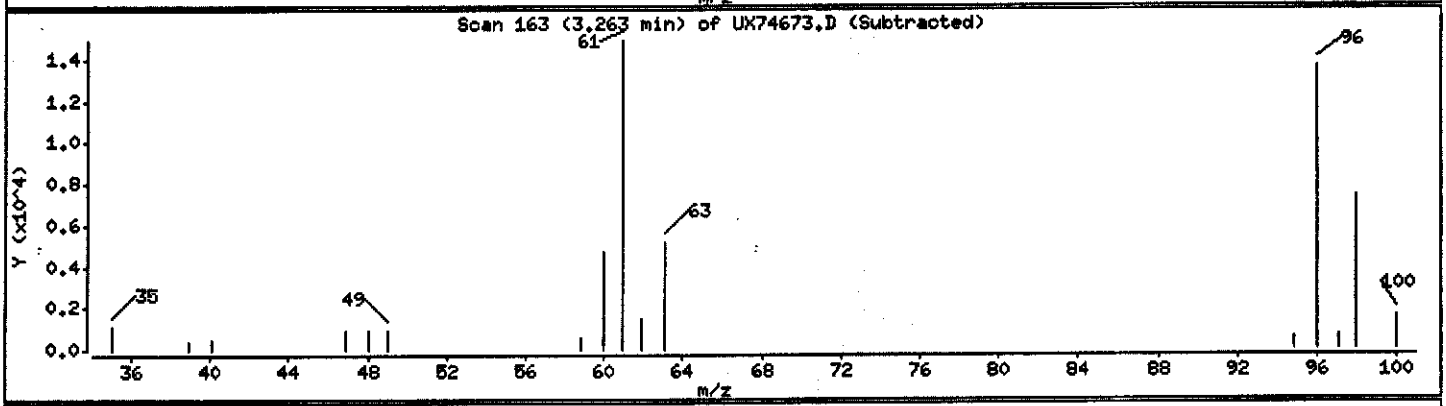
Sample Info: GC9XG1AA,0.75ML/5ML

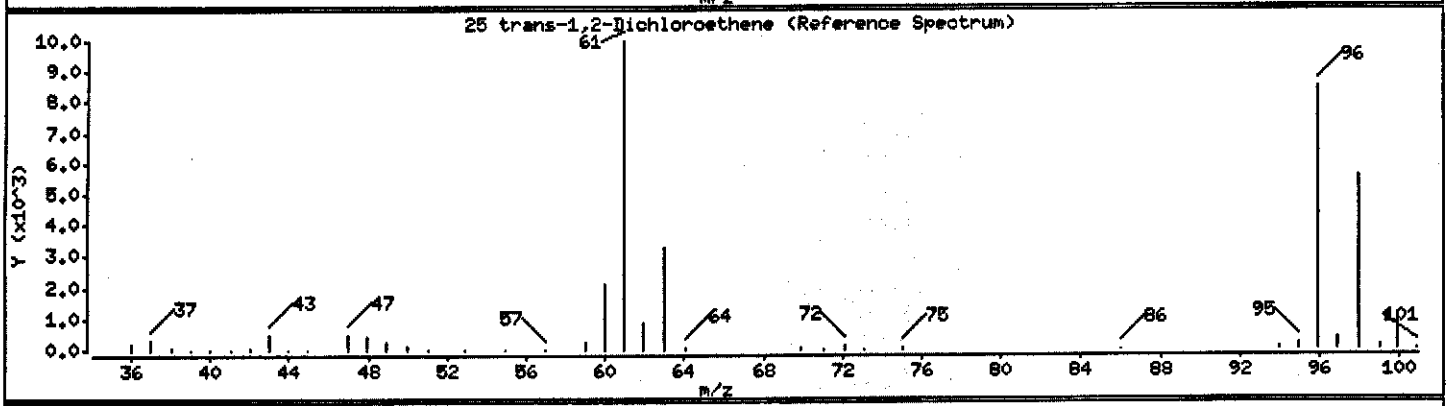
Purge Volume: 0.8 Operator: 1754

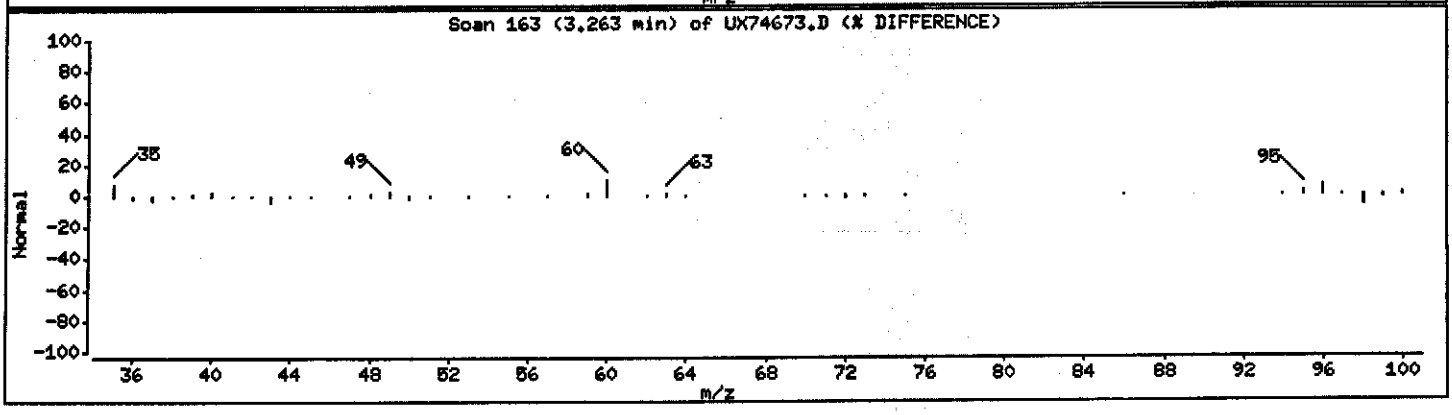
Column phase: DB624 20m Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 12.117 ug/L









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Date : 09-APR-2004 16:51

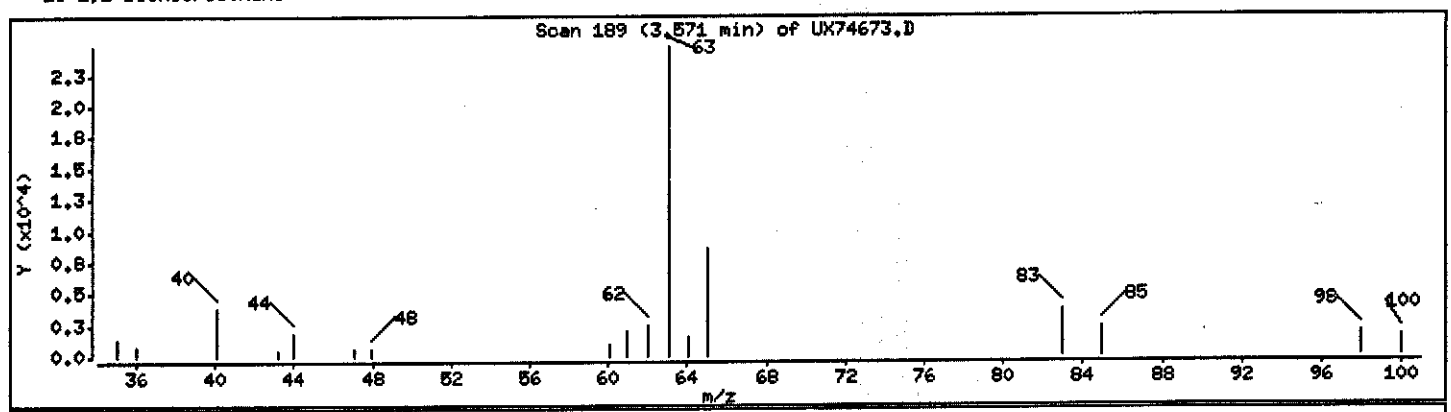
Client ID: P-1/033004 Instrument: a3ux7.i

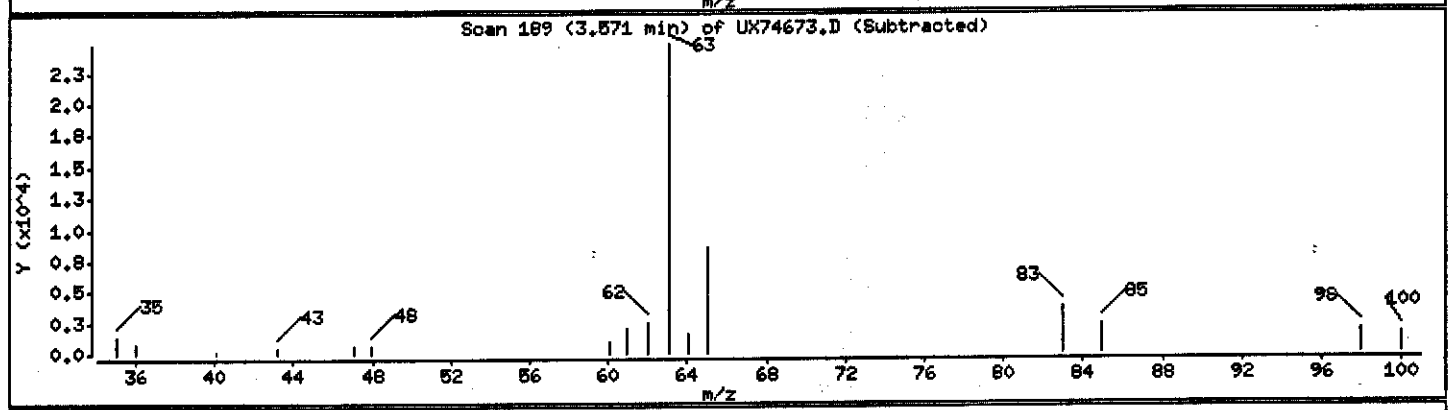
Sample Info: GC9XG1AA,0.75ML/5ML

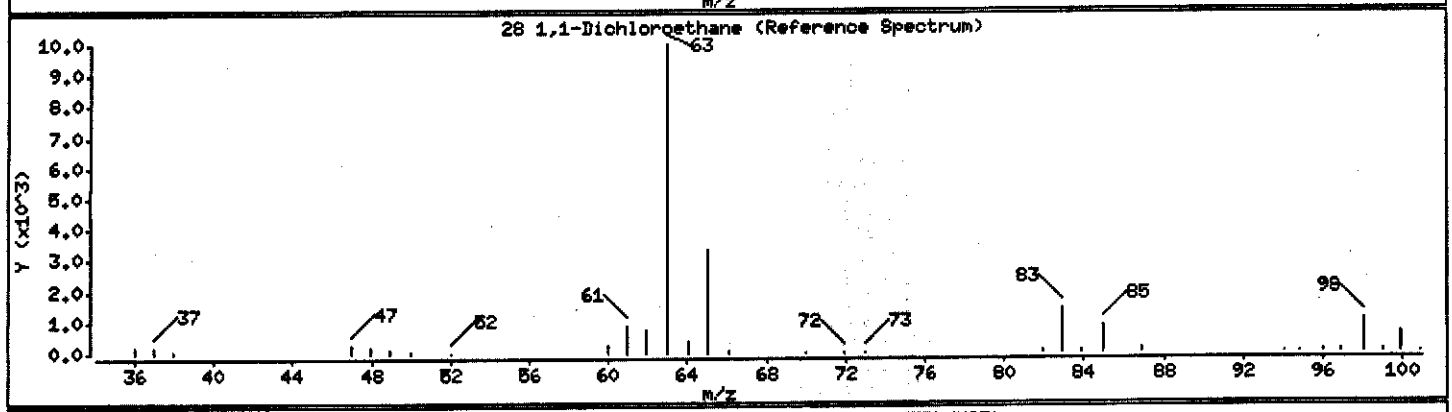
Purge Volume: 0.8 Operator: 1754

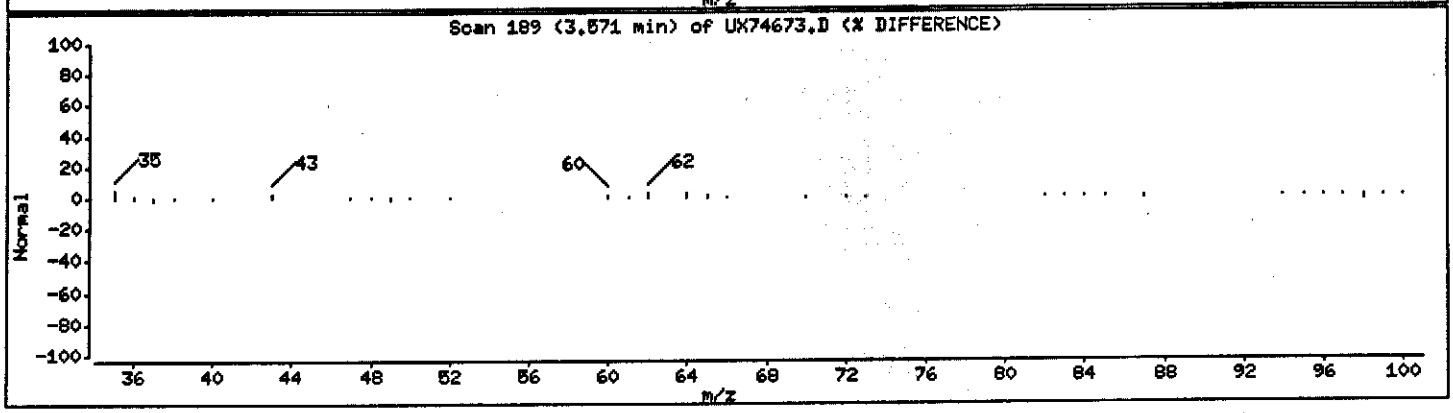
Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 14.178 ug/L









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Date : 09-APR-2004 16:51

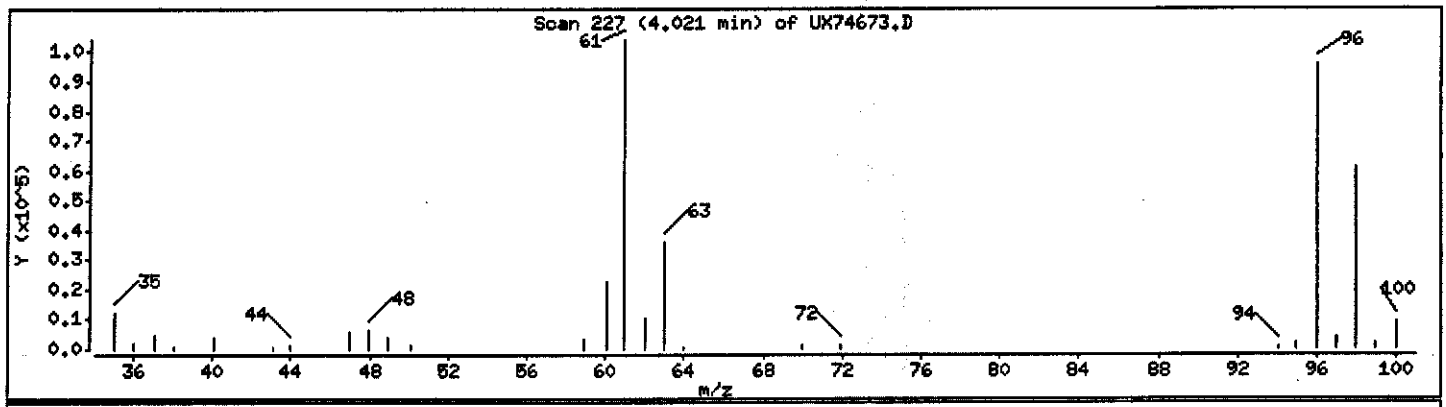
Client ID: P-1/033004 Instrument: a3ux7.i

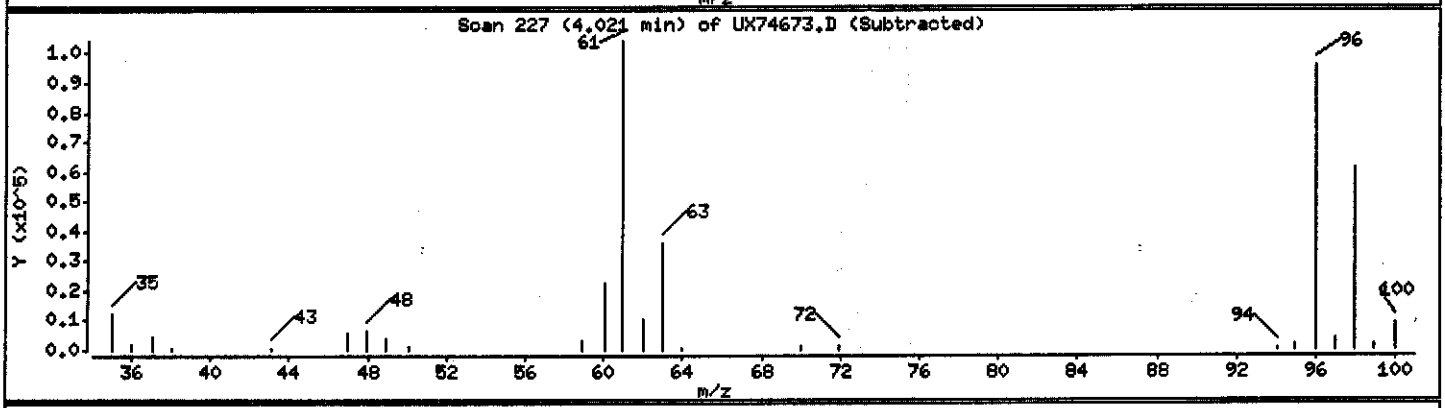
Sample Info: CC9XC1AA,0.75ML/5ML

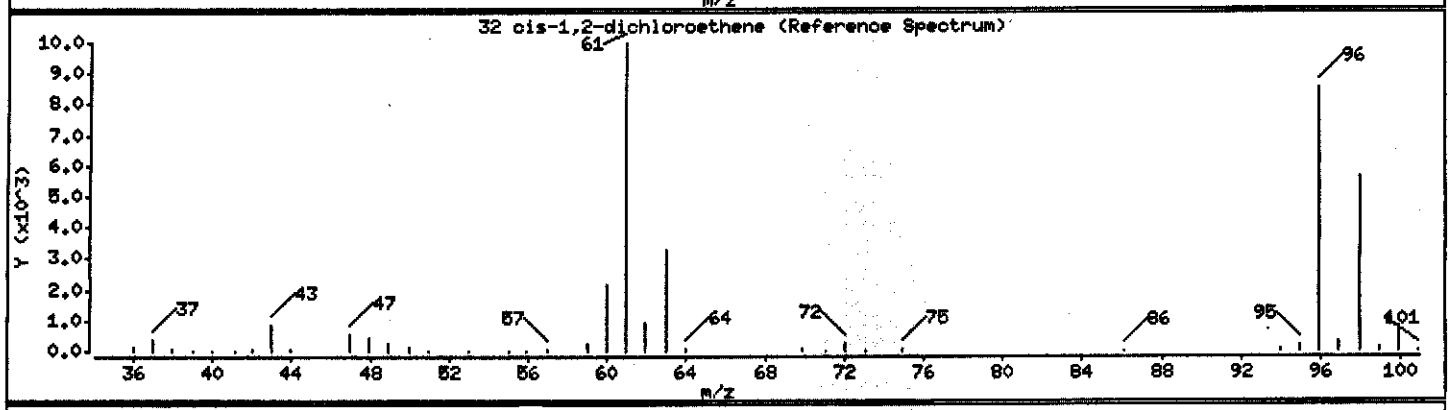
Purge Volume: 0.8 Operator: 1754

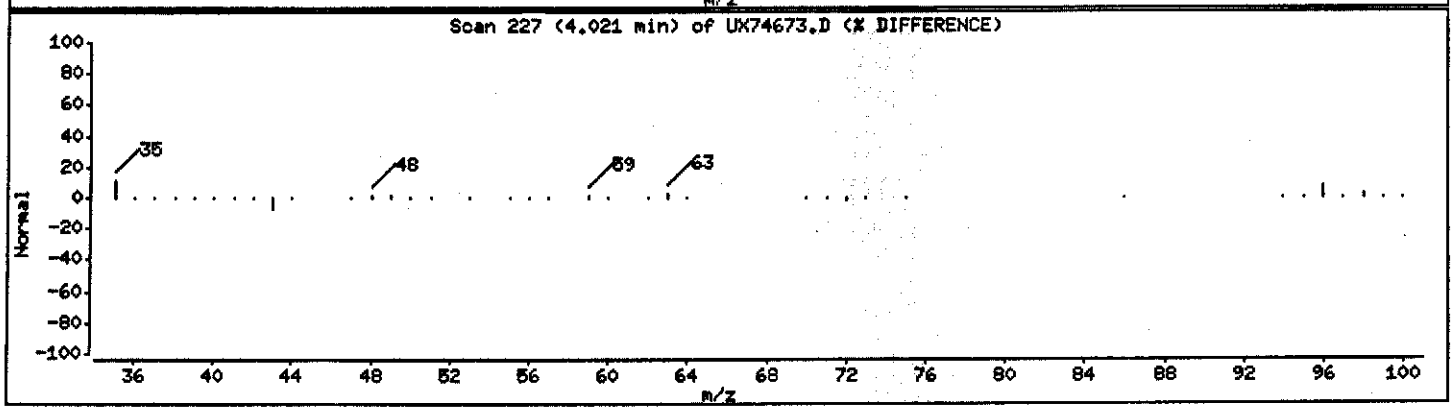
Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 75.126 ug/L









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Date : 09-APR-2004 16:51

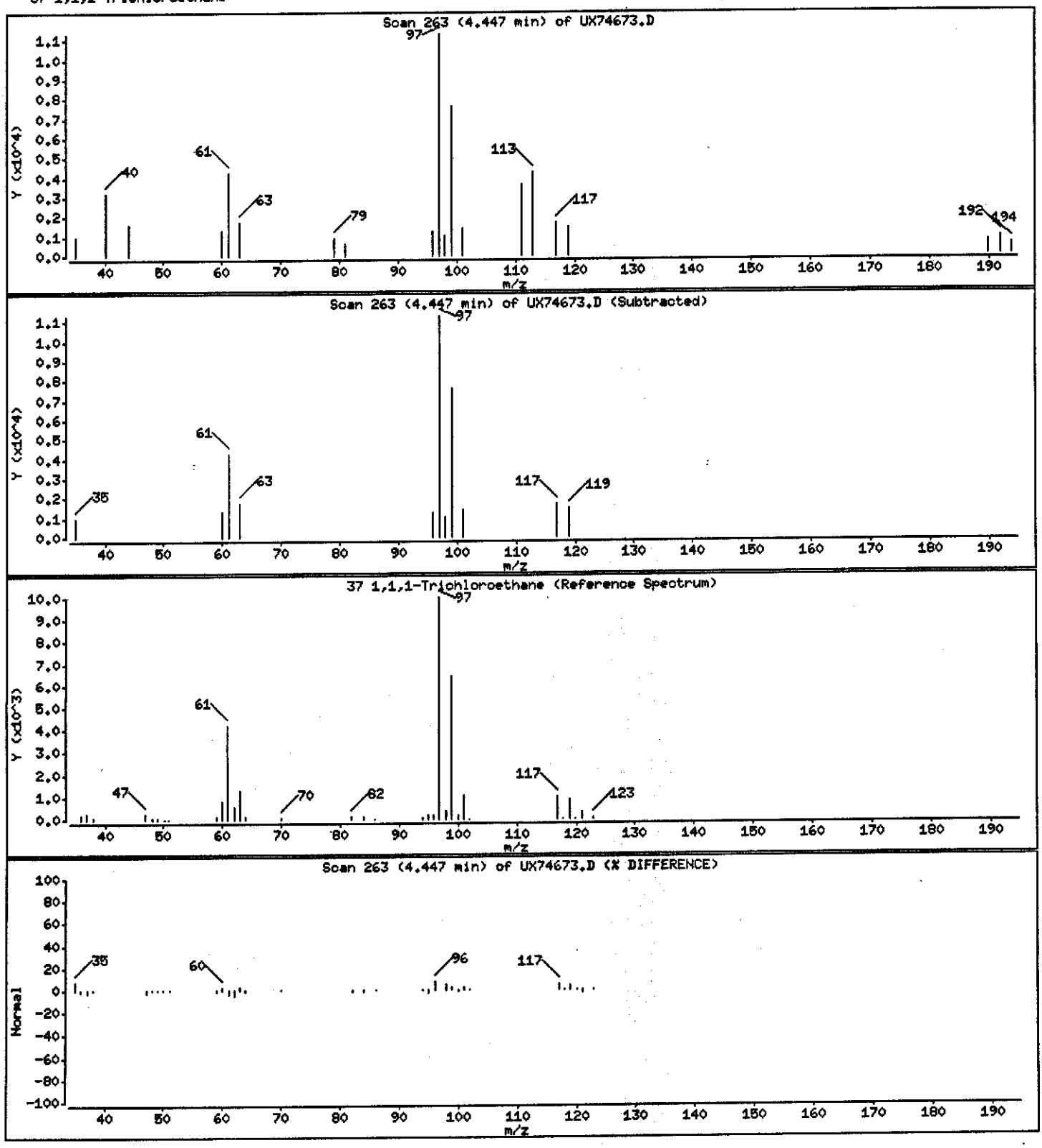
Client ID: P-1/033004 Instrument: a3ux7.i

Sample Info: GC9XG1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 6.820 ug/L



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Date : 09-APR-2004 16:51

Client ID: P-1/033004

Instrument: a3ux7.i

Sample Info: GC9XG1AA,0.75ML/5ML

Purge Volume: 0.8

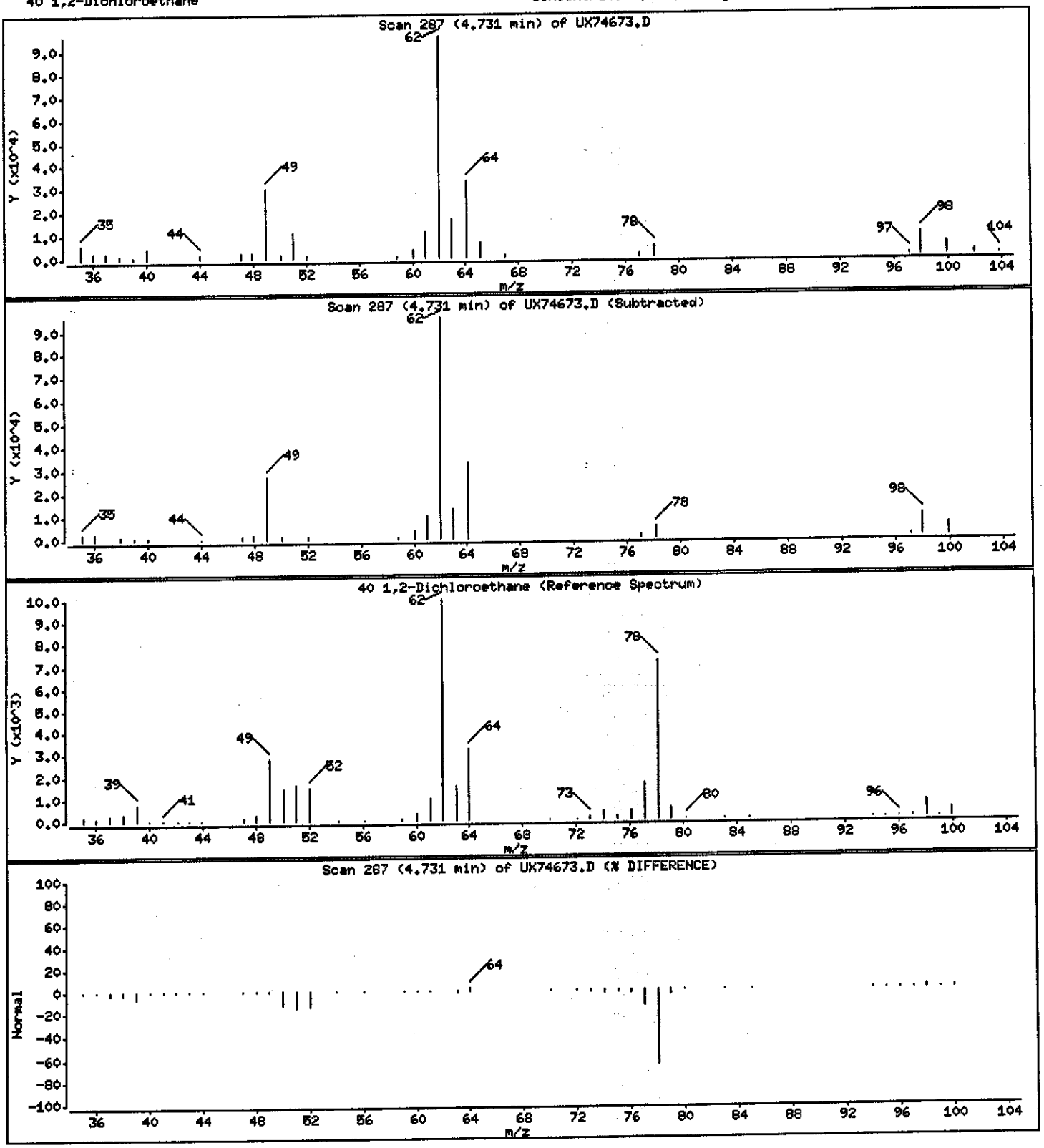
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 60.122 ug/L



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Date : 09-APR-2004 16:51

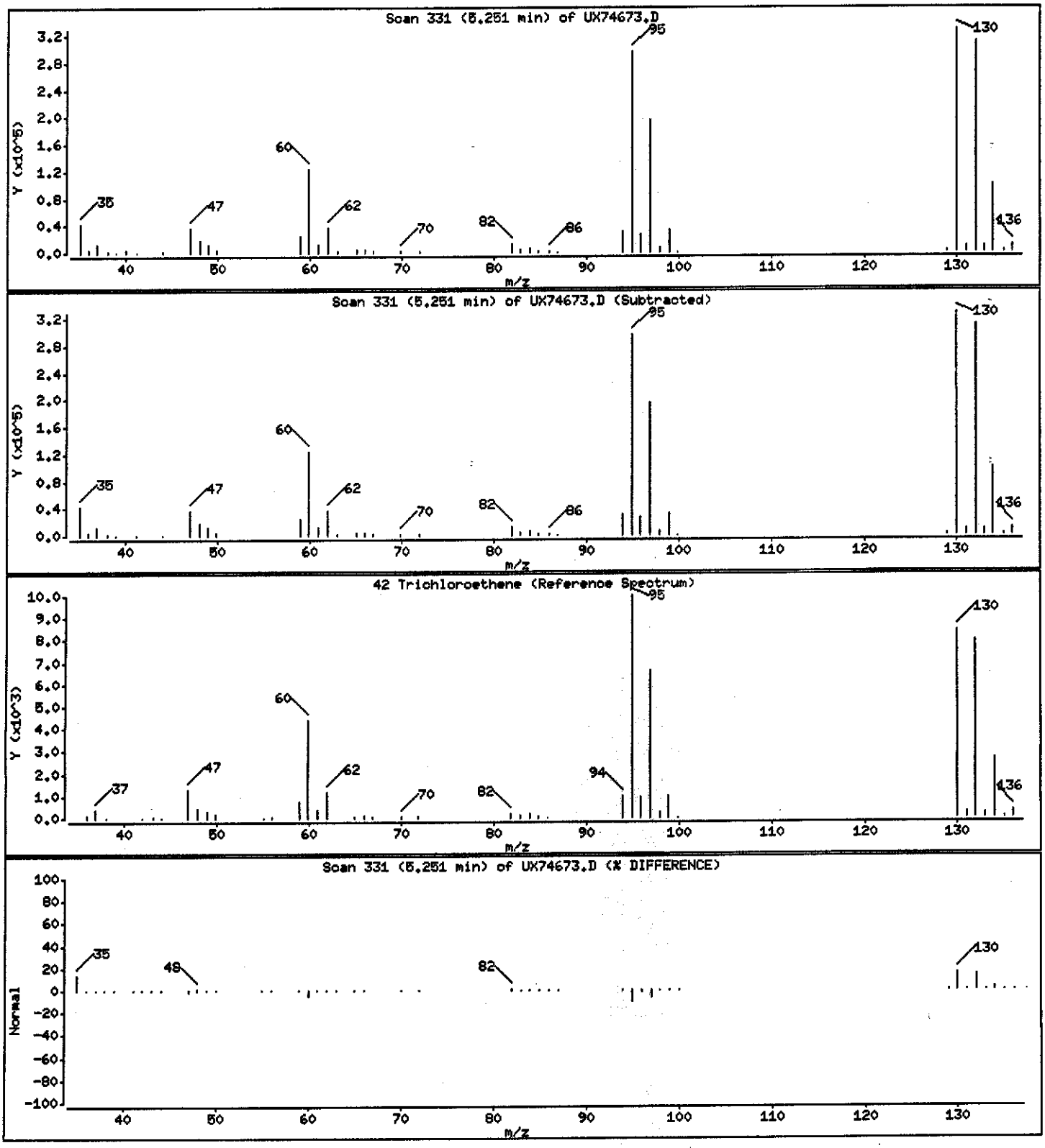
Client ID: P-1/033004 Instrument: a3ux7.i

Sample Info: GC9XG1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

42 Trichloroethene Concentration: 214.40 ug/L



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Date : 09-APR-2004 16:51

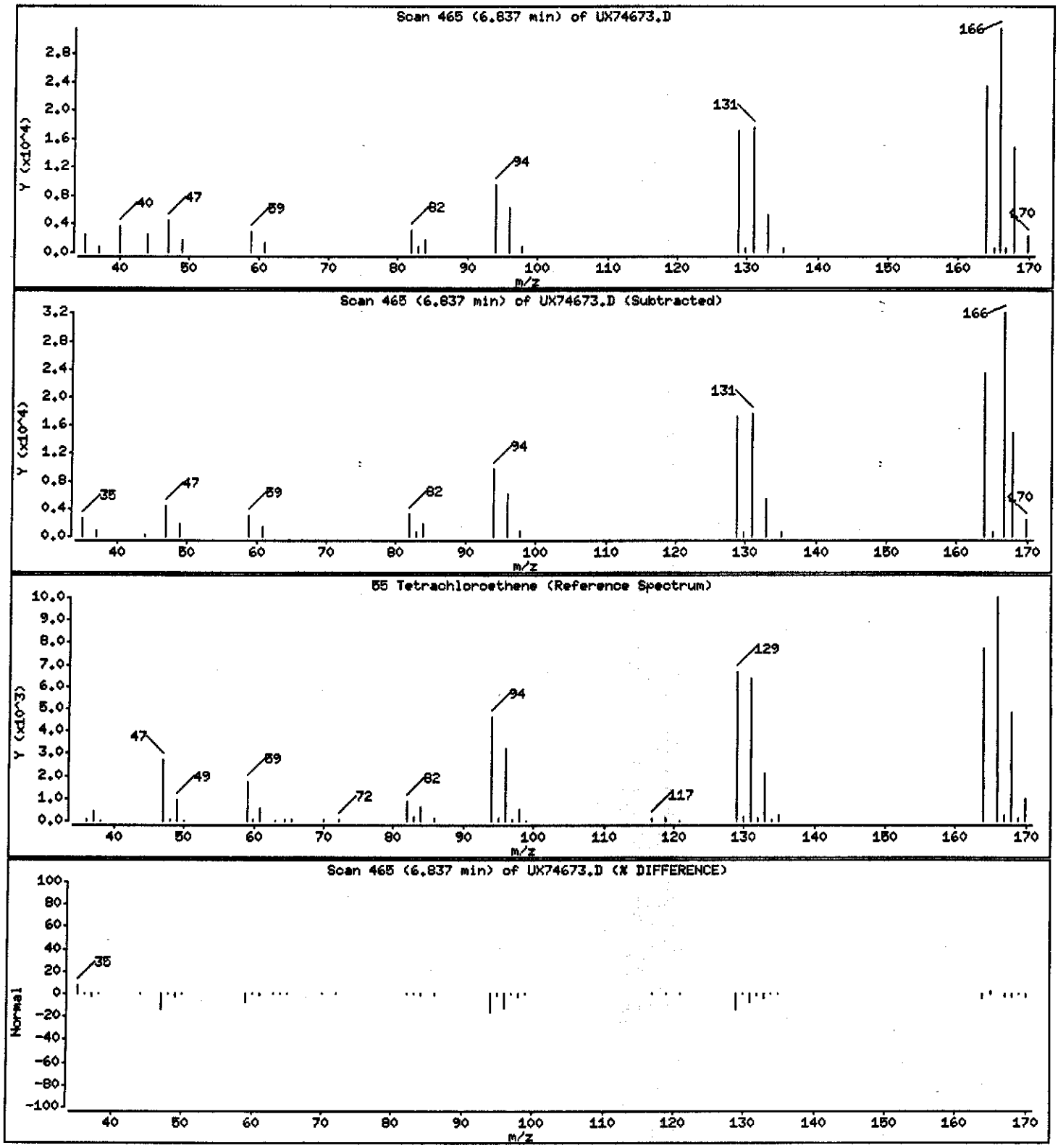
Client ID: P-1/033004 Instrument: a3ux7.i

Sample Info: GC9XG1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

55 Tetrachloroethene Concentration: 19.513 ug/L



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Date : 09-APR-2004 16:51

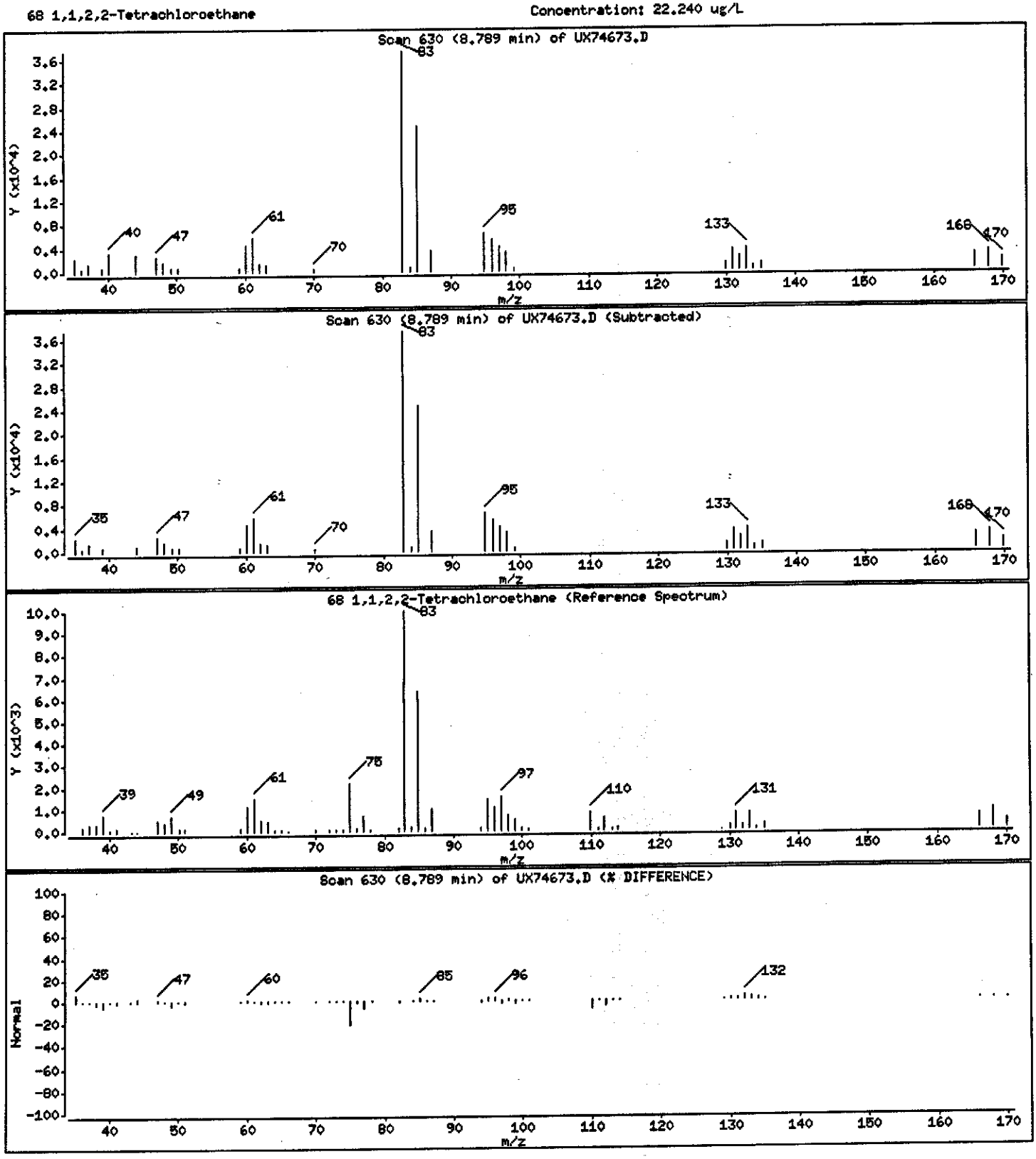
Client ID: P-1/033004 Instrument: a3ux7.i

Sample Info: GC9XG1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

68 1,1,2,2-Tetrachloroethane Concentration: 22.240 ug/L



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Date : 09-APR-2004 16:51

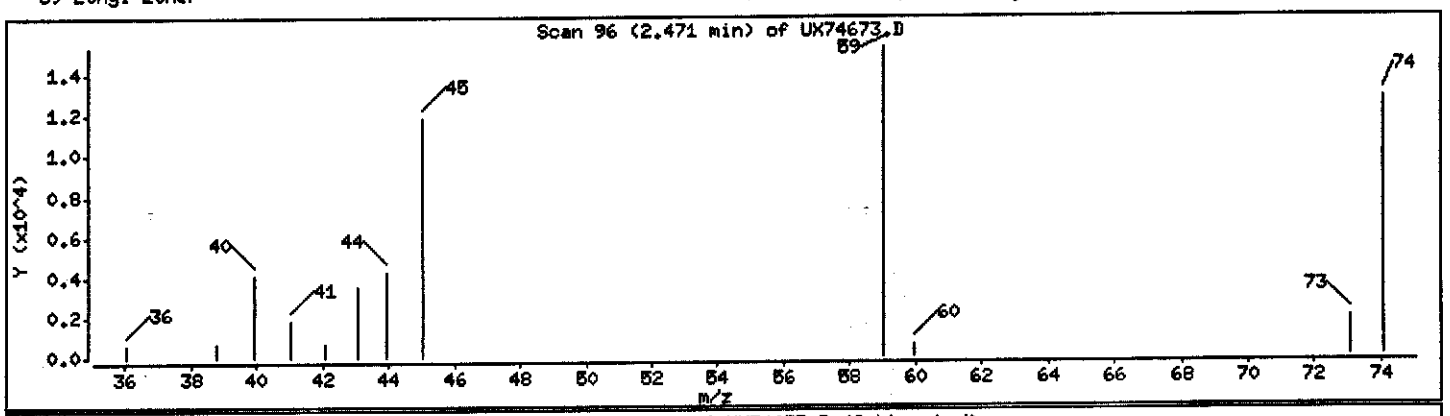
Client ID: P-1/033004 Instrument: a3ux7.i

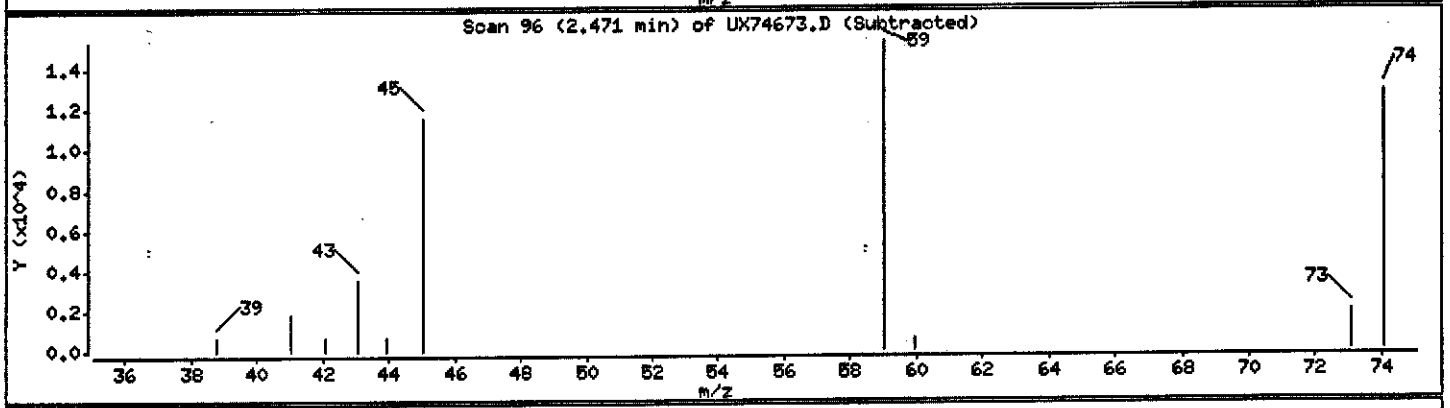
Sample Info: GC9XG1AA,0.75ML/5ML

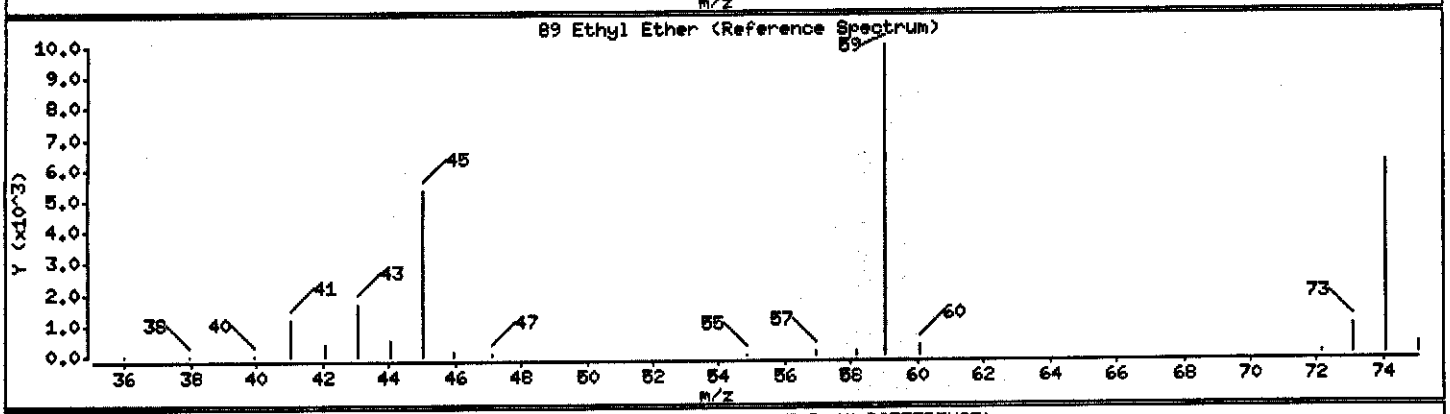
Purge Volume: 0.8 Operator: 1754

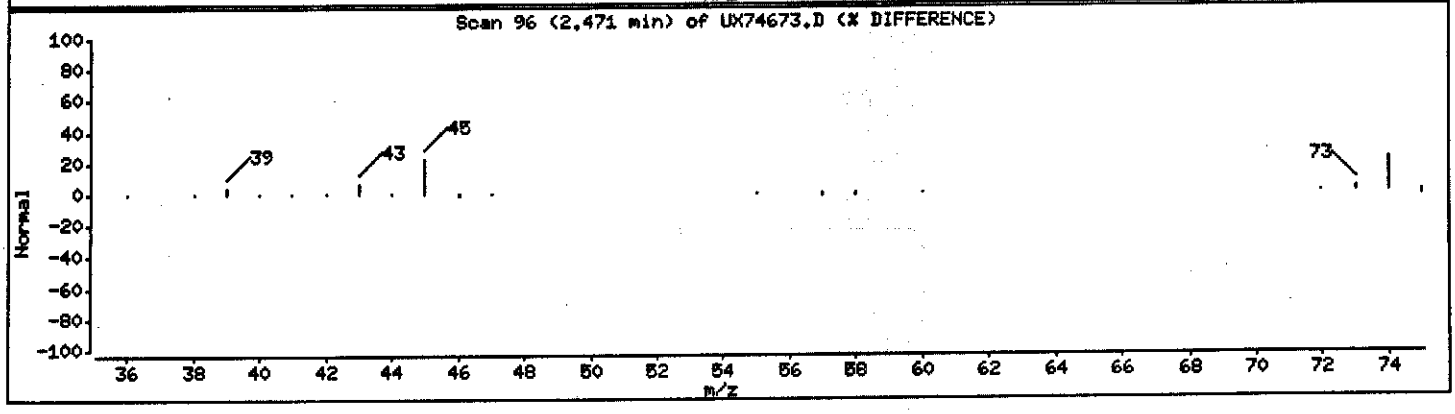
Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 21.419 ug/L









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Date : 09-APR-2004 16:51

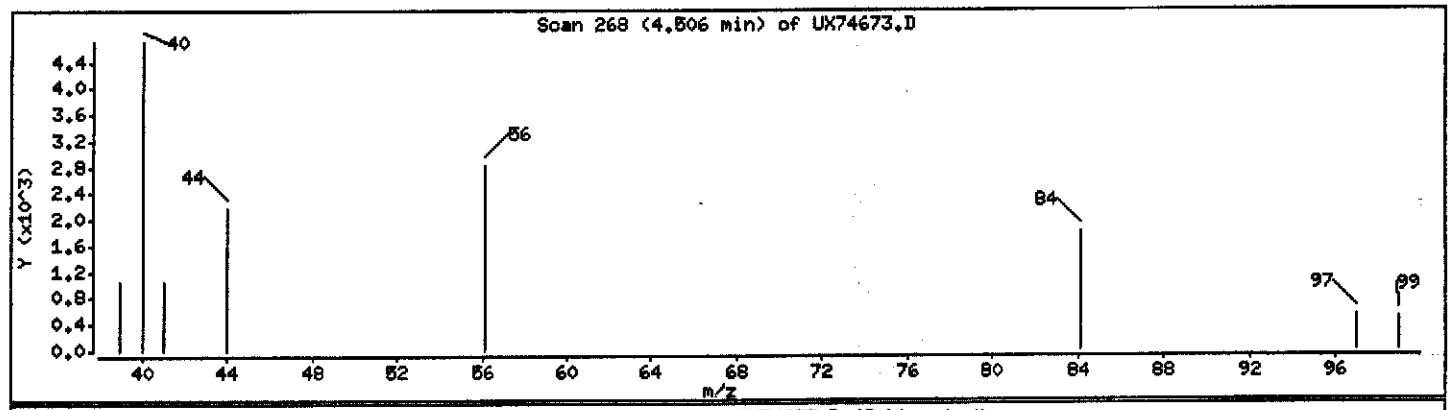
Client ID: P-1/033004 Instrument: a3ux7.i

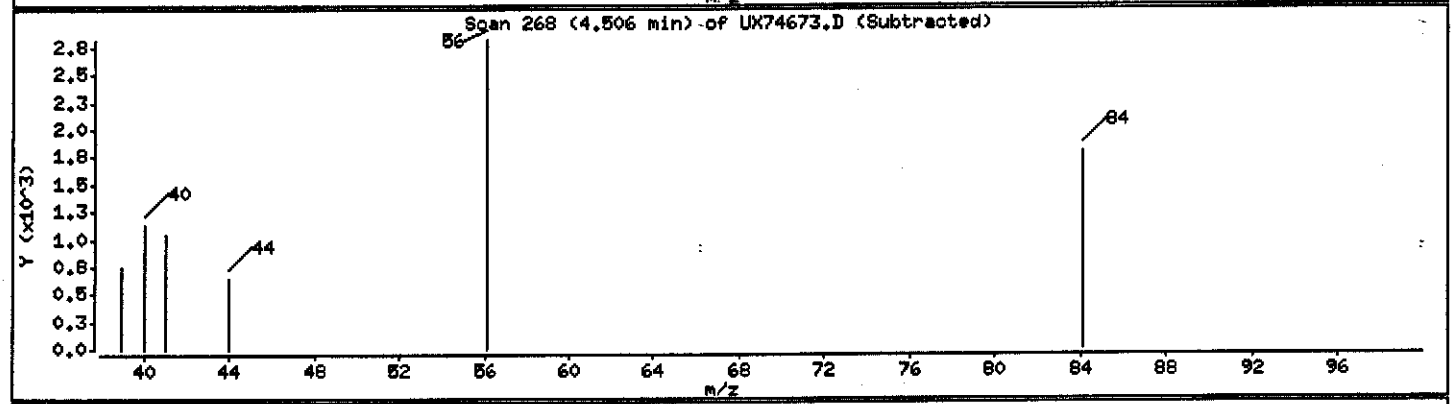
Sample Info: GC9XG1AA,0.75ML/5ML

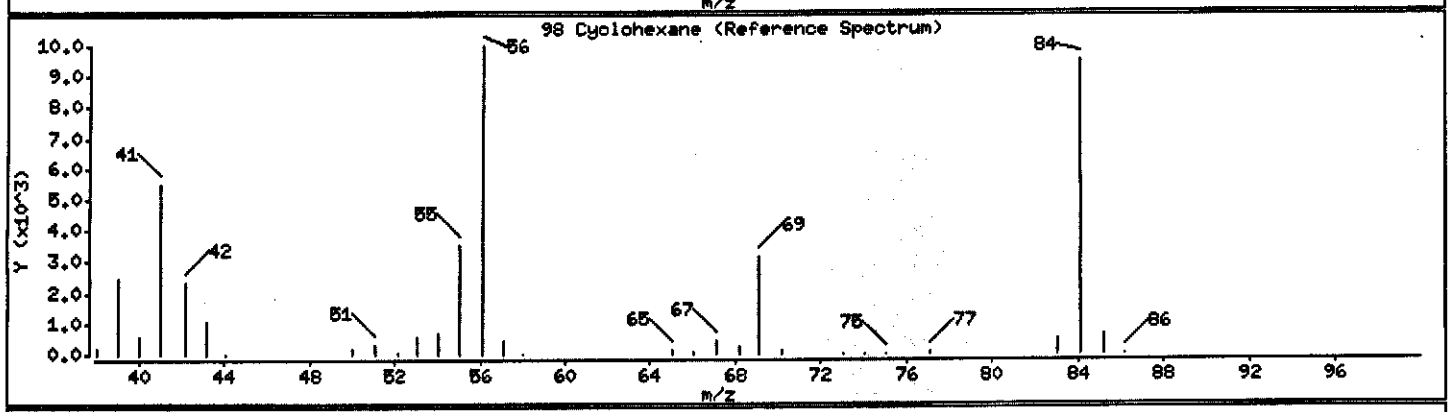
Purge Volume: 0.8 Operator: 1754

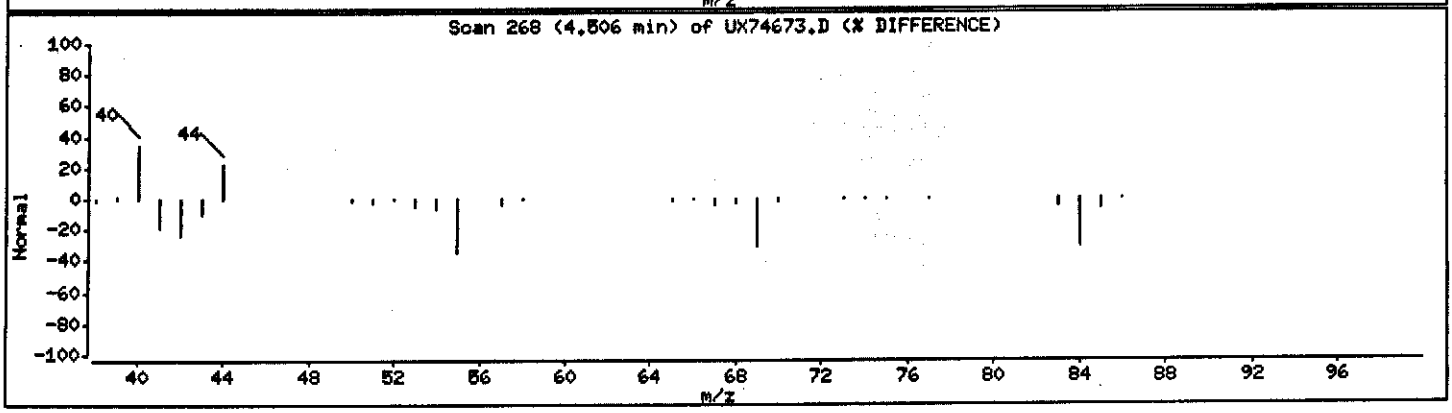
Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 1.562 ug/L









PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4D010333-001 **Work Order #...:** GDDL61AA **Matrix.....:** WQ
Date Sampled...: 03/31/04 **Date Received..:** 04/01/04
Prep Date.....: 04/08/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4099202
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

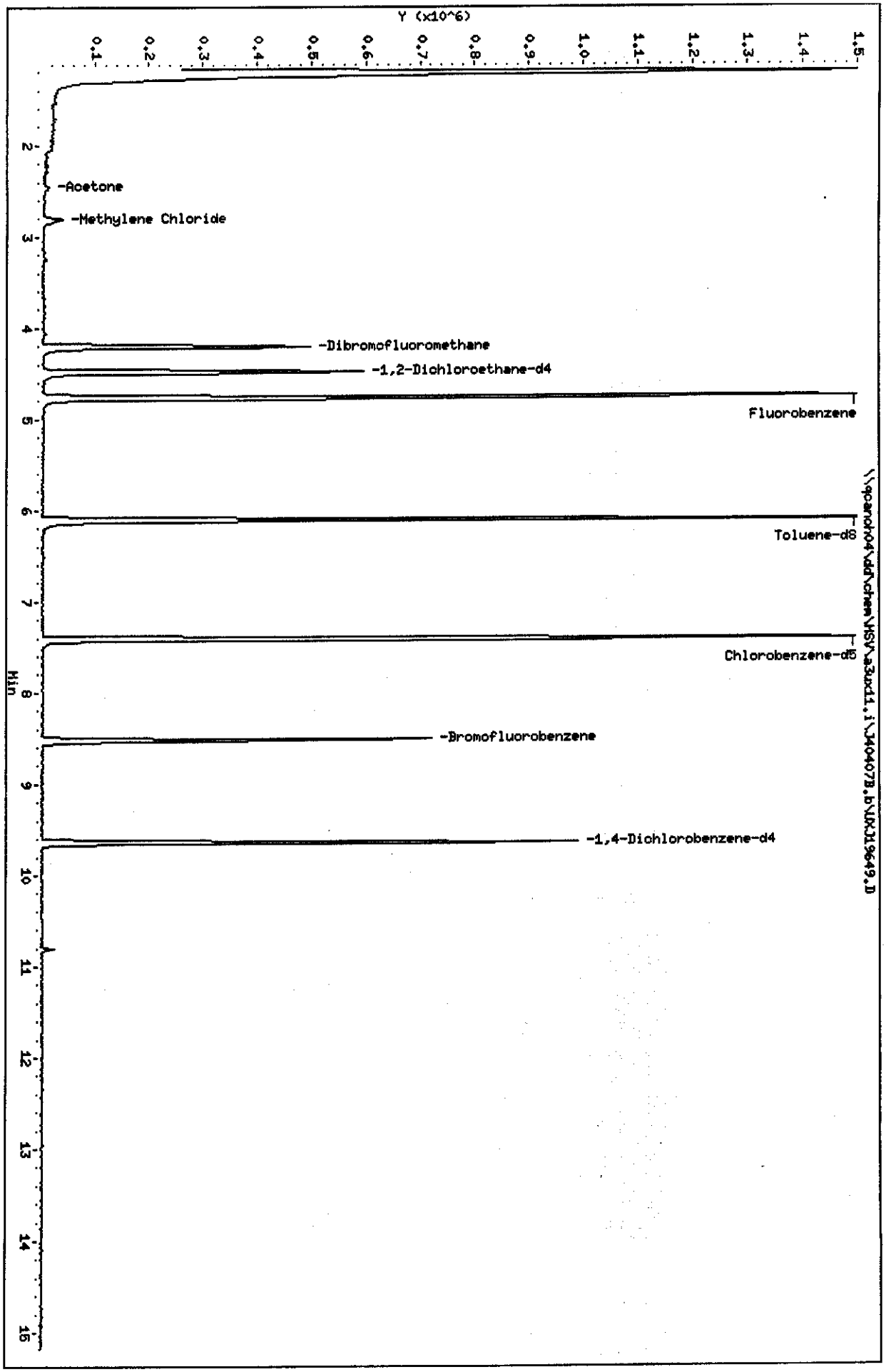
Lot-Sample #...: A4D010333-001 **Work Order #...:** GDDL61AA **Matrix.....:** WQ

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	101	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

Data File: \\qcandro4\dd\chem\VHS\a3ux11.i\3404078.b\UX319649.D
Date : 08-APR-2004 06:01
Client ID: TRIP BLANK
Sample Info: CDDL61(A),5ML/5ML
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19649.D
Report Date: 08-Apr-2004 09:31

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19649.D
Lab Smp Id: GDDL61AA Client Smp ID: TRIP BLANK
Inj Date : 08-APR-2004 06:01
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GDDL61AA,5ML/5ML
Misc Info : J40407B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m
Meth Date : 08-Apr-2004 09:19 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 54
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.765	4.765	(1.000)	1520205	50.0000	
* 2 Chlorobenzene-d5	117	7.416	7.416	(1.000)	939878	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	279064	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.883)	339627	50.6454	10.129
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.940)	449318	46.6991	9.340
$ 6 Toluene-d8	98	6.102	6.102	(0.823)	1247594	44.4789	8.896
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.148)	279622	42.9433	8.589
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.458	2.458	(0.516)	19069	4.27315	✓ 0.8546
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19649.D
Report Date: 08-Apr-2004 09:31

	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	2.801	2.813	(0.588)	25654	3.82638	0.7653
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19649.D
Report Date: 08-Apr-2004 09:31

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\a3ux11.i\J40407B.b\UXJ19649.D

Date : 08-APR-2004 06:01

Client ID: TRIP BLANK

Instrument: a3ux11.i

Sample Info: GDDL61AA,5ML/5ML

Purge Volume: 5.0

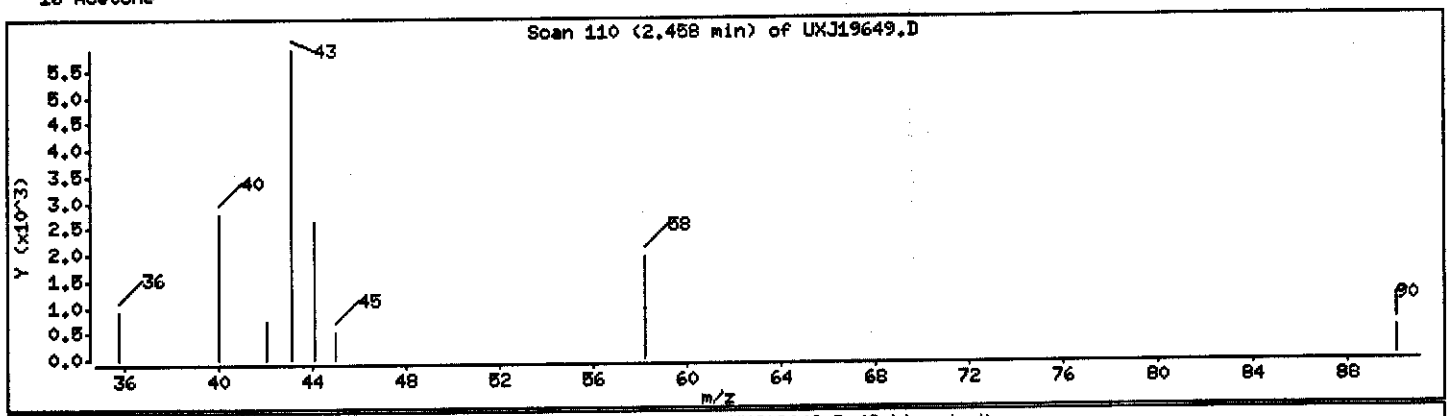
Operator: 43582

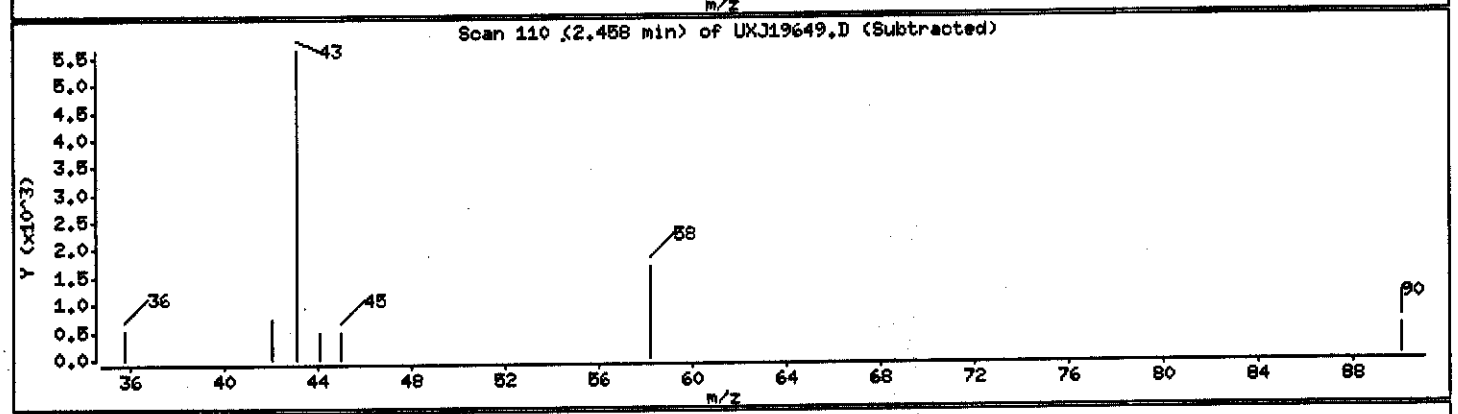
Column phase: DB624

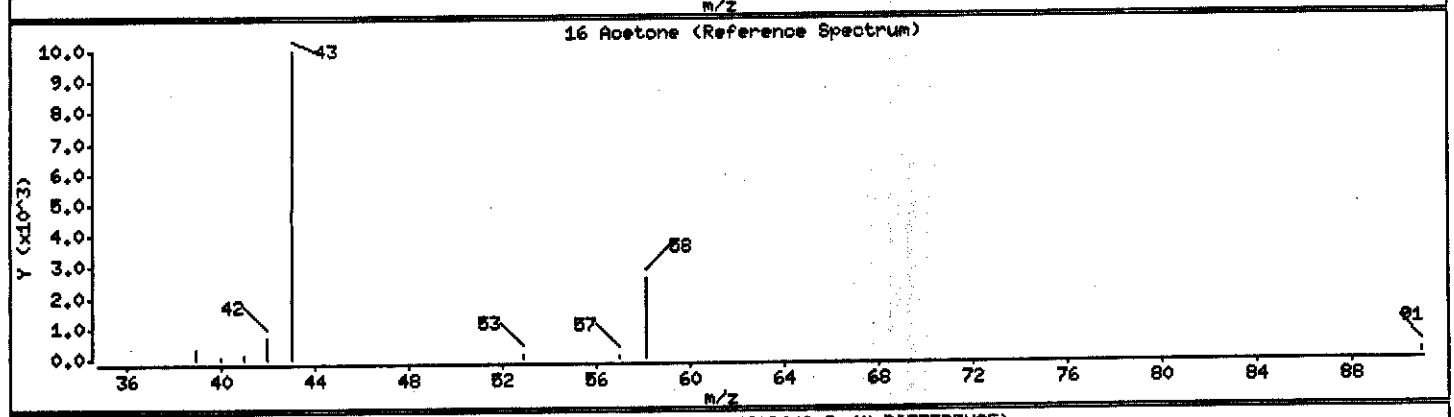
Column diameter: 0.18

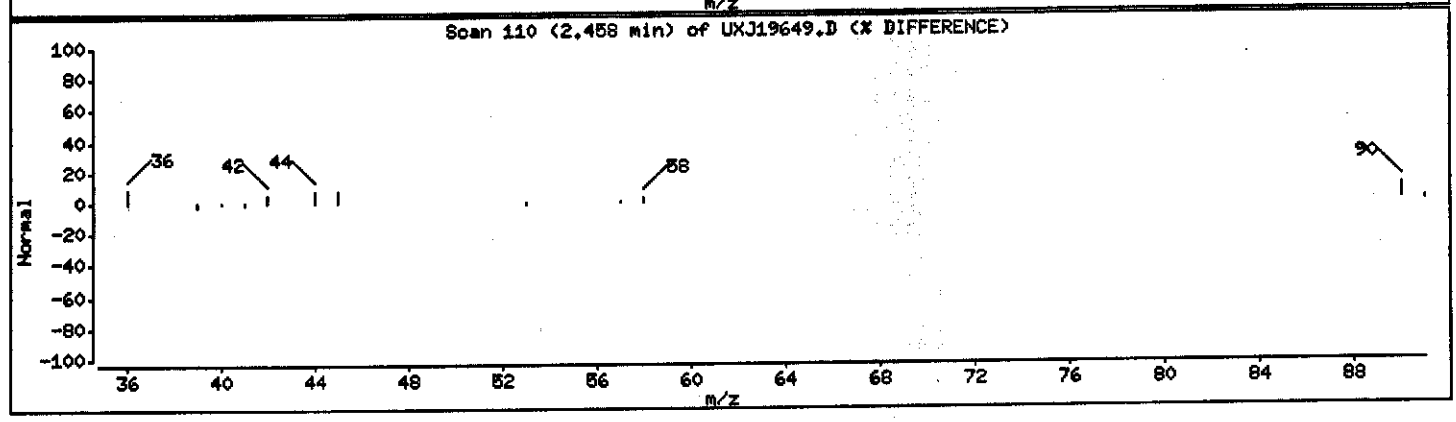
16 Acetone

Concentration: 0.8546 ug/L









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Date : 08-APR-2004 06:01

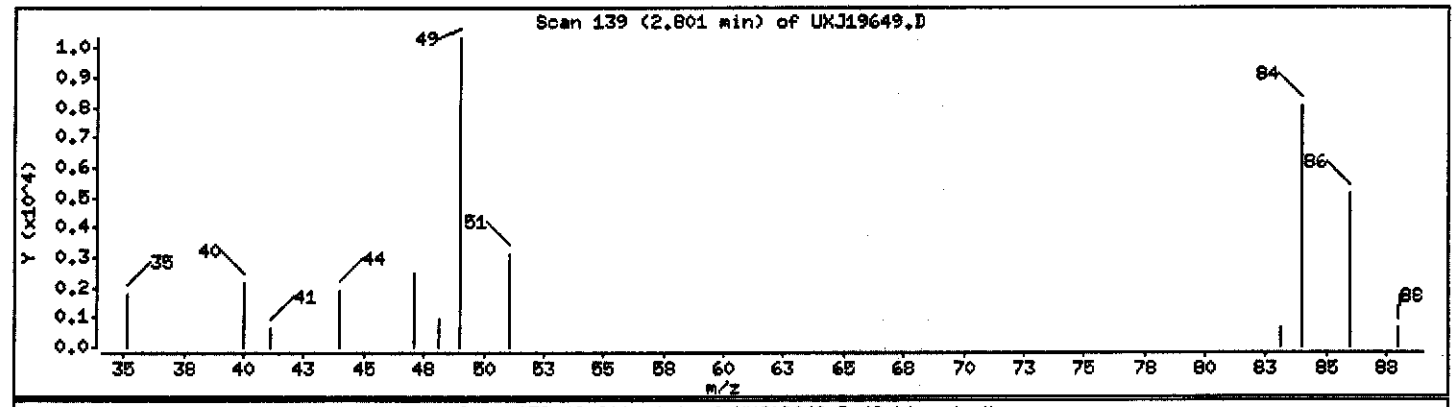
Client ID: TRIP BLANK | Instrument: a3ux11.i

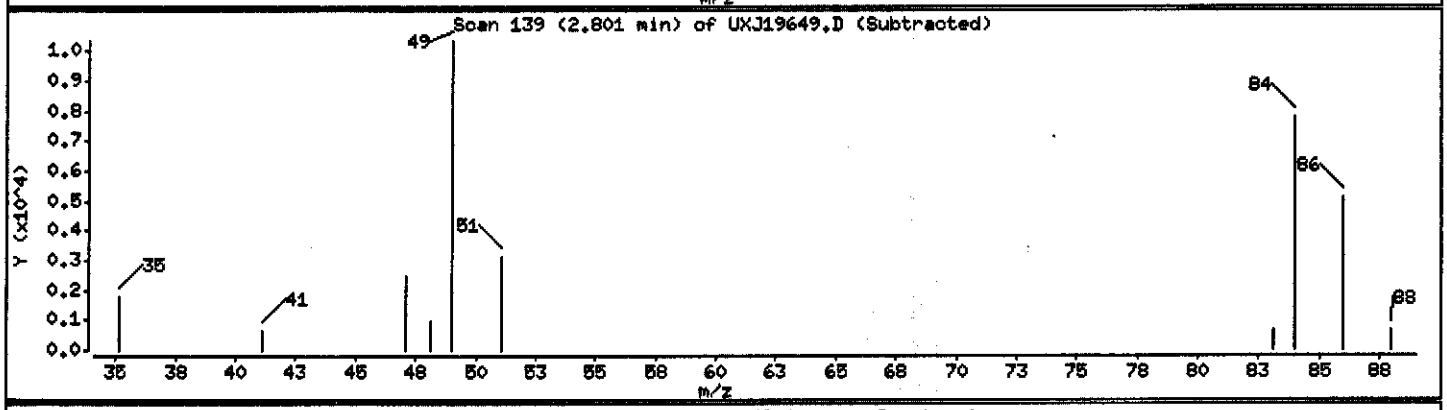
Sample Info: GDDL61AA,5ML/5ML

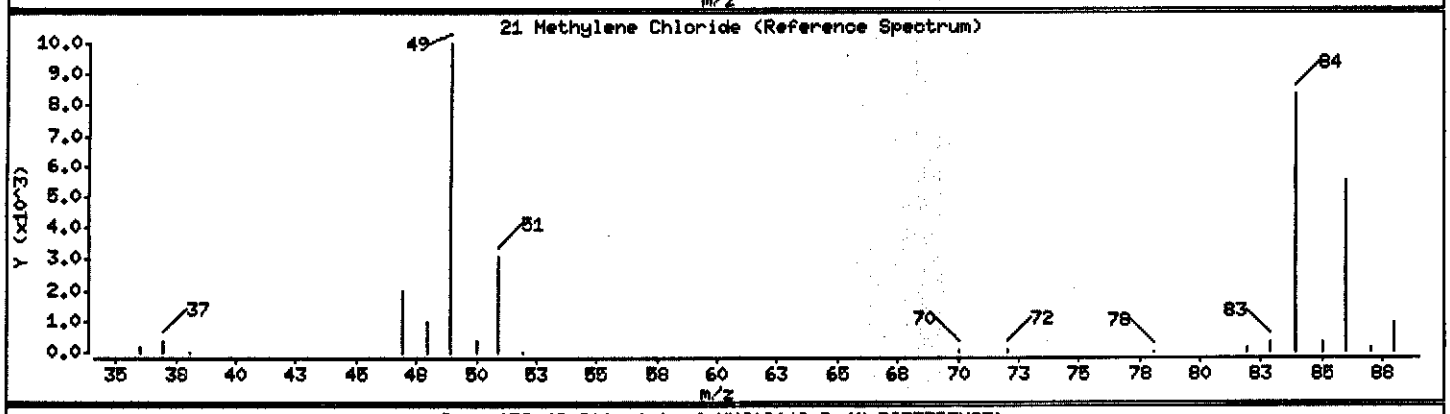
Purge Volume: 5.0 | Operator: 43582

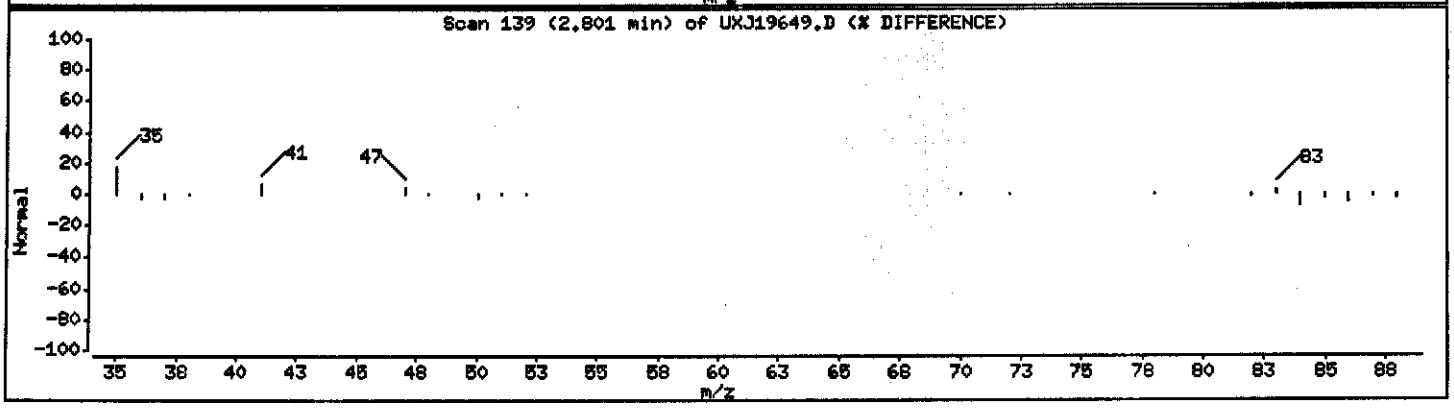
Column phase: DB624 | Column diameter: 0.18

21 Methylene Chloride | Concentration: 0.7653 ug/L









PAYNE FIRM INC.

Client Sample ID: MW-8/033104

GC/MS Volatiles

Lot-Sample #...: A4D010333-002 **Work Order #...:** GDDMJ1AA **Matrix.....:** WG
Date Sampled...: 03/31/04 10:55 **Date Received..:** 04/01/04
Prep Date.....: 04/08/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4099202
Dilution Factor: 10 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	100	ug/L
Acetonitrile	ND	200	ug/L
Acrolein	ND	200	ug/L
Acrylonitrile	ND	200	ug/L
Benzene	ND	10	ug/L
Bromodichloromethane	ND	10	ug/L
Bromoform	ND	10	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	100	ug/L
Carbon disulfide	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	ND	10	ug/L
Chloroprene	ND	20	ug/L
Dibromochloromethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	10	ug/L
Chloromethane	ND	10	ug/L
3-Chloropropene	ND	20	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L
1,2-Dibromoethane	ND	10	ug/L
Dibromomethane	ND	10	ug/L
trans-1,4-Dichloro-2-butene	ND	10	ug/L
1,1-Dichloroethane	ND	10	ug/L
1,2-Dichloroethane	ND	10	ug/L
cis-1,2-Dichloroethene	**360**	**10**	**ug/L**
trans-1,2-Dichloroethene	ND	10	ug/L
1,1-Dichloroethene	ND	10	ug/L
1,2-Dichloroethene (total)	**360**	**20**	**ug/L**
Dichlorofluoromethane	ND	20	ug/L
1,2-Dichloropropane	ND	10	ug/L
cis-1,3-Dichloropropene	ND	10	ug/L
trans-1,3-Dichloropropene	ND	10	ug/L
1,4-Dioxane	ND	2000	ug/L
Ethylbenzene	ND	10	ug/L
Ethyl methacrylate	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

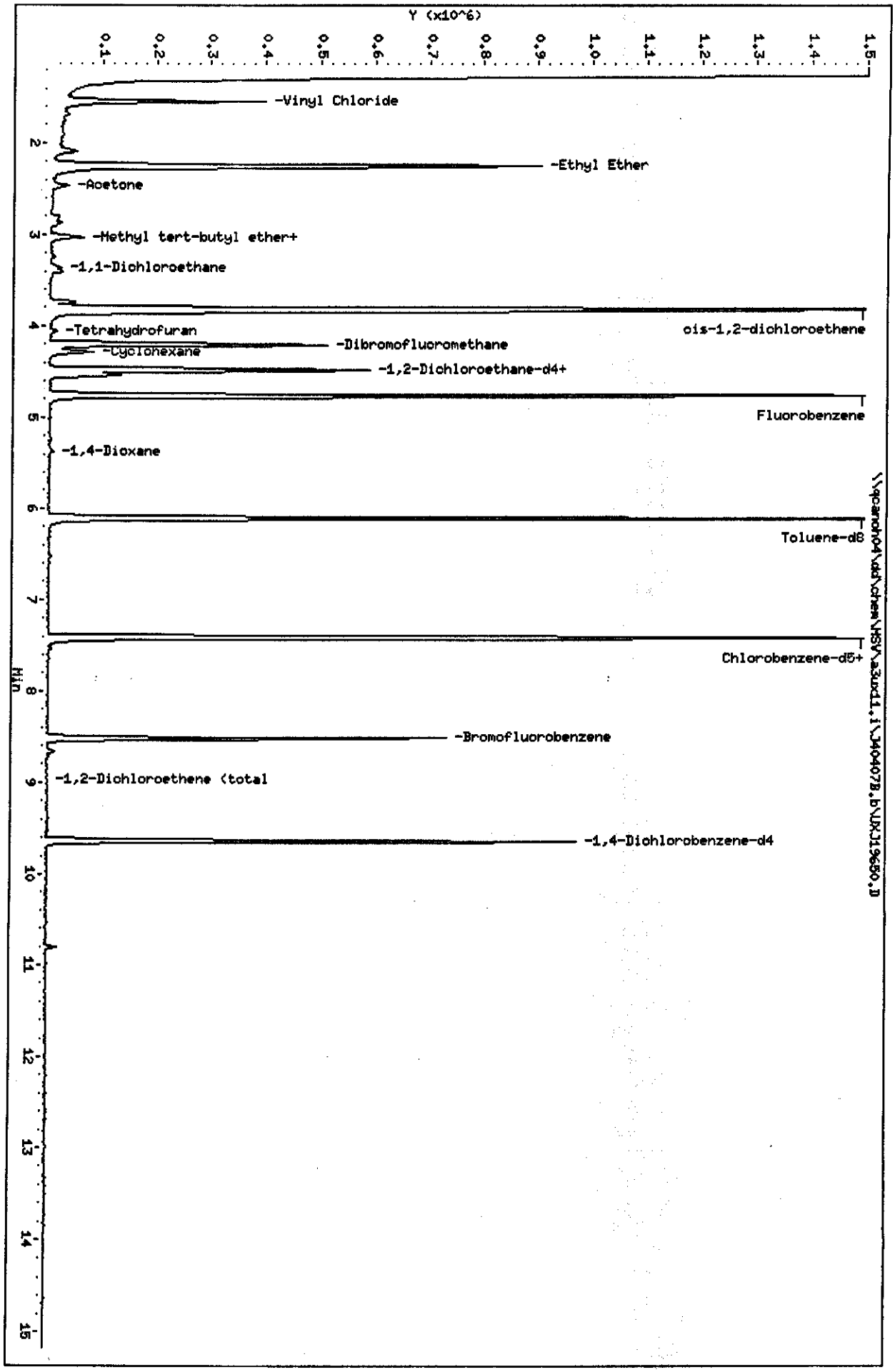
Client Sample ID: MW-8/033104

GC/MS Volatiles

Lot-Sample #...: A4D010333-002 **Work Order #...:** GDDMJ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	100	ug/L
Iodomethane	ND	10	ug/L
Isobutanol	ND	500	ug/L
Methacrylonitrile	ND	20	ug/L
Methylene chloride	ND	10	ug/L
Methyl methacrylate	ND	20	ug/L
4-Methyl-2-pentanone	ND	100	ug/L
Propionitrile	ND	40	ug/L
Styrene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	ND	10	ug/L
Toluene	ND	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	ND	10	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
Vinyl acetate	ND	20	ug/L
Vinyl chloride	**170**	**10**	**ug/L**
Xylenes (total)	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	90	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)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Date : 08-APR-2004 06:24
Client ID: HW-8/033104
Sample Info: GDDH,1AA,0.5ML/5ML
Purge Volume: 0.5
Column phase: DB624
Instrument: a3ud1.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Vinyl Chloride
-Ethyl Ether
-Acetone
-Methyl tert-butyl ether+
-1,1-Dichloroethane
cis-1,2-dichloroethene
-Tetrahydrofuran
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4+
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5+
-Bromofluorobenzene
-1,2-Dichloroethene (total
-1,4-Dichlorobenzene-d4
\\qcandh04\dd\chem\HSV\a3ud1.i\J404078.b\UXJ19650.D
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19650.D
Report Date: 08-Apr-2004 09:32

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19650.D
Lab Smp Id: GDDMJ1AA Client Smp ID: MW-8/033104
Inj Date : 08-APR-2004 06:24
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GDDMJ1AA,0.5ML/5ML
Misc Info : J40407B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m
Meth Date : 08-Apr-2004 09:19 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 55
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.765	4.765	(1.000)	1555734	50.0000	
* 2 Chlorobenzene-d5	117	7.416	7.416	(1.000)	946844	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	274816	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.883)	347615	50.6528	101.30
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.940)	458342	46.5491	93.098
$ 6 Toluene-d8	98	6.102	6.102	(0.823)	1275391	45.1354	90.271
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.148)	272309	41.5125	83.025
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.546	1.546	(0.325)	465227	83.6070	167.21
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.469	2.458	(0.518)	28926	6.33397	12.668
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19650.D
Report Date: 08-Apr-2004 09:32

	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	3.026	3.026	(0.635)	26440	1.14711	2.294
	25 trans-1,2-Dichloroethene	96	3.037	3.026	(0.637)	13447	1.65841	3.317
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.357	3.357	(0.705)	27359	1.82279	3.646
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				1516938	182.119	364.24
	32 cis-1,2-dichloroethene	96	3.818	3.818	(0.801)	1503491	180.461	360.92
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.055	4.055	(0.851)	9769	3.03902	6.078
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.540	4.540	(0.953)	121863	3.43432	6.869
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.369	5.369	(1.127)	5883	95.1089	190.22
	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	7.439	7.439	(1.003)	43088	2.27016	4.540
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19650.D
Report Date: 08-Apr-2004 09:32

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	2.245	2.245	(0.471)	741076	98.6683	197.34
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.292	4.280	(0.901)	41684	3.45456	6.909
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: \\qcanch04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19650.D

Date : 08-APR-2004 06:24

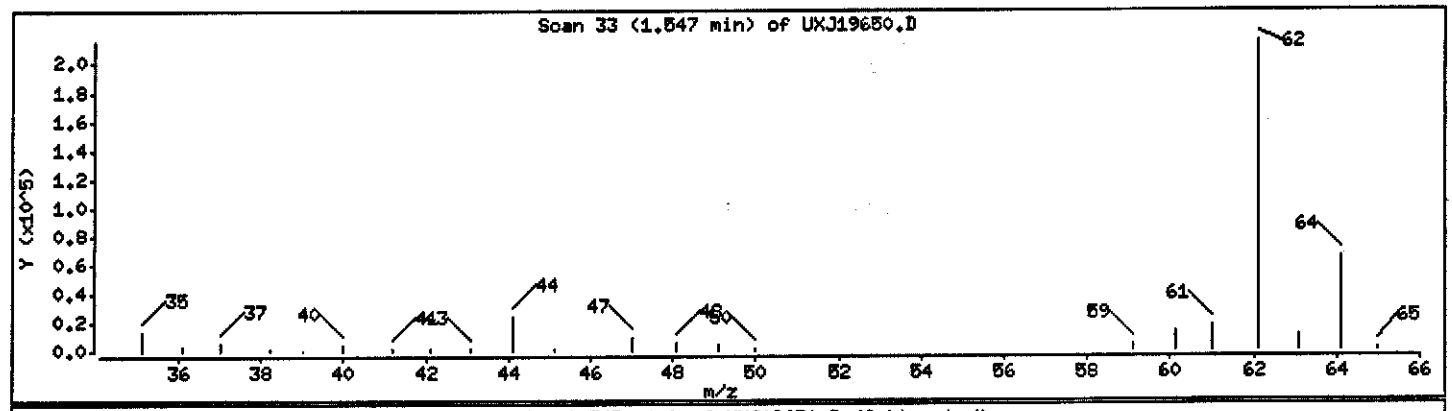
Client ID: MW-8/033104 Instrument: a3ux11.i

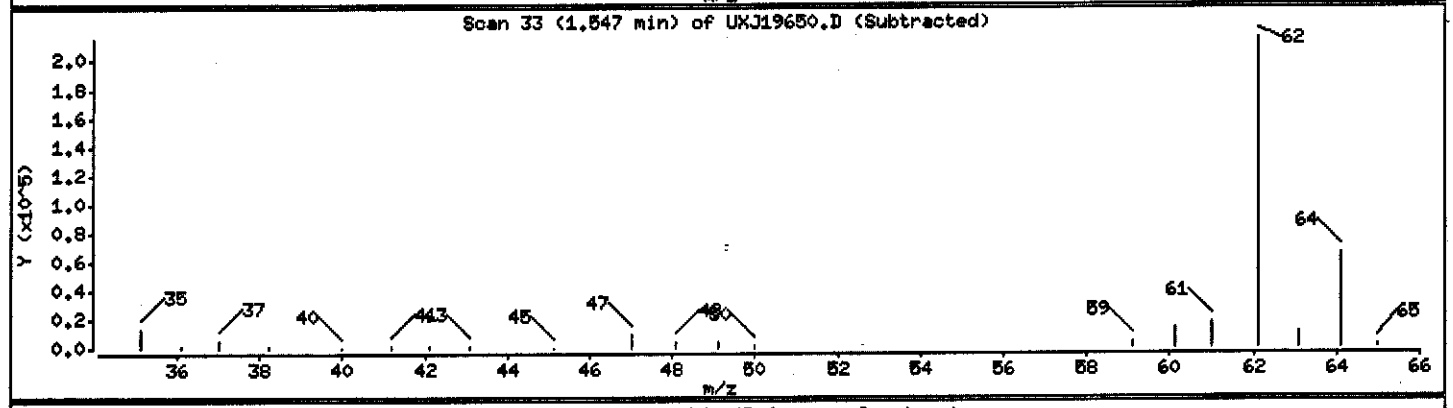
Sample Info: GDDMJ1AA,0.5ML/5ML

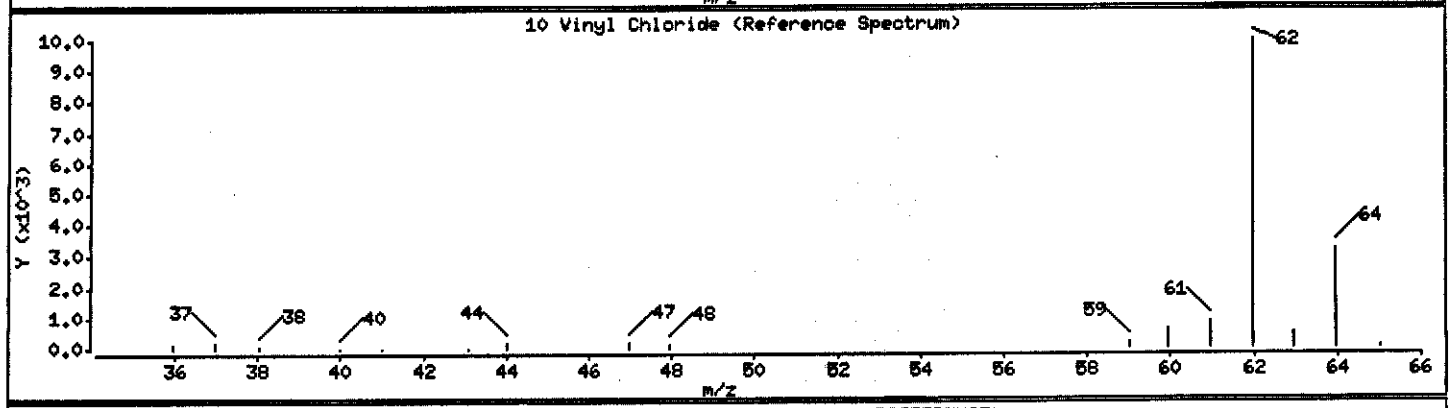
Purge Volume: 0.5 Operator: 43582

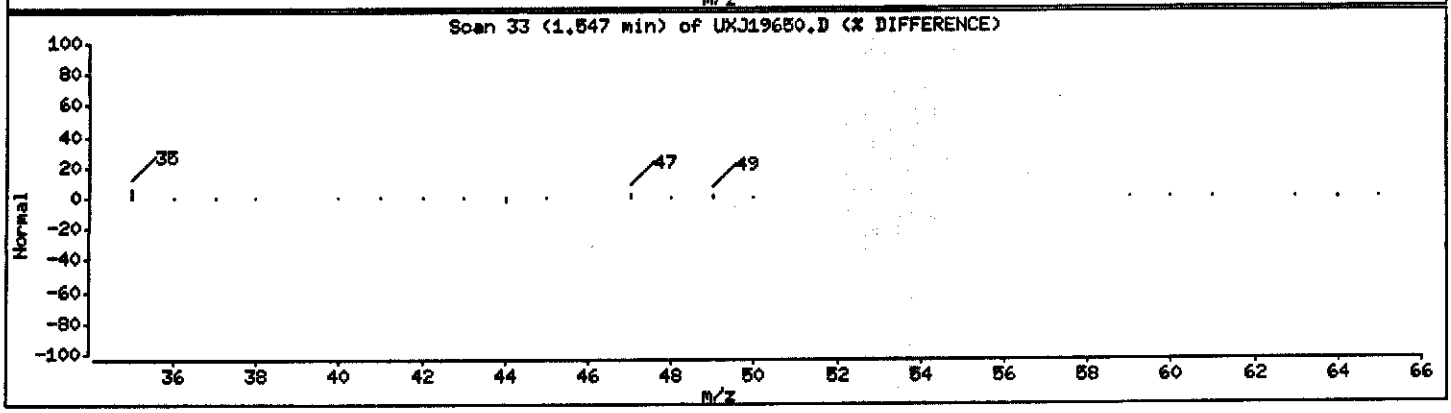
Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 167.21 ug/L









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Date : 08-APR-2004 06:24

Client ID: MW-8/033104

Instrument: a3ux11.i

Sample Info: GDDMJ1AA,0.5ML/5ML

Purge Volume: 0.5

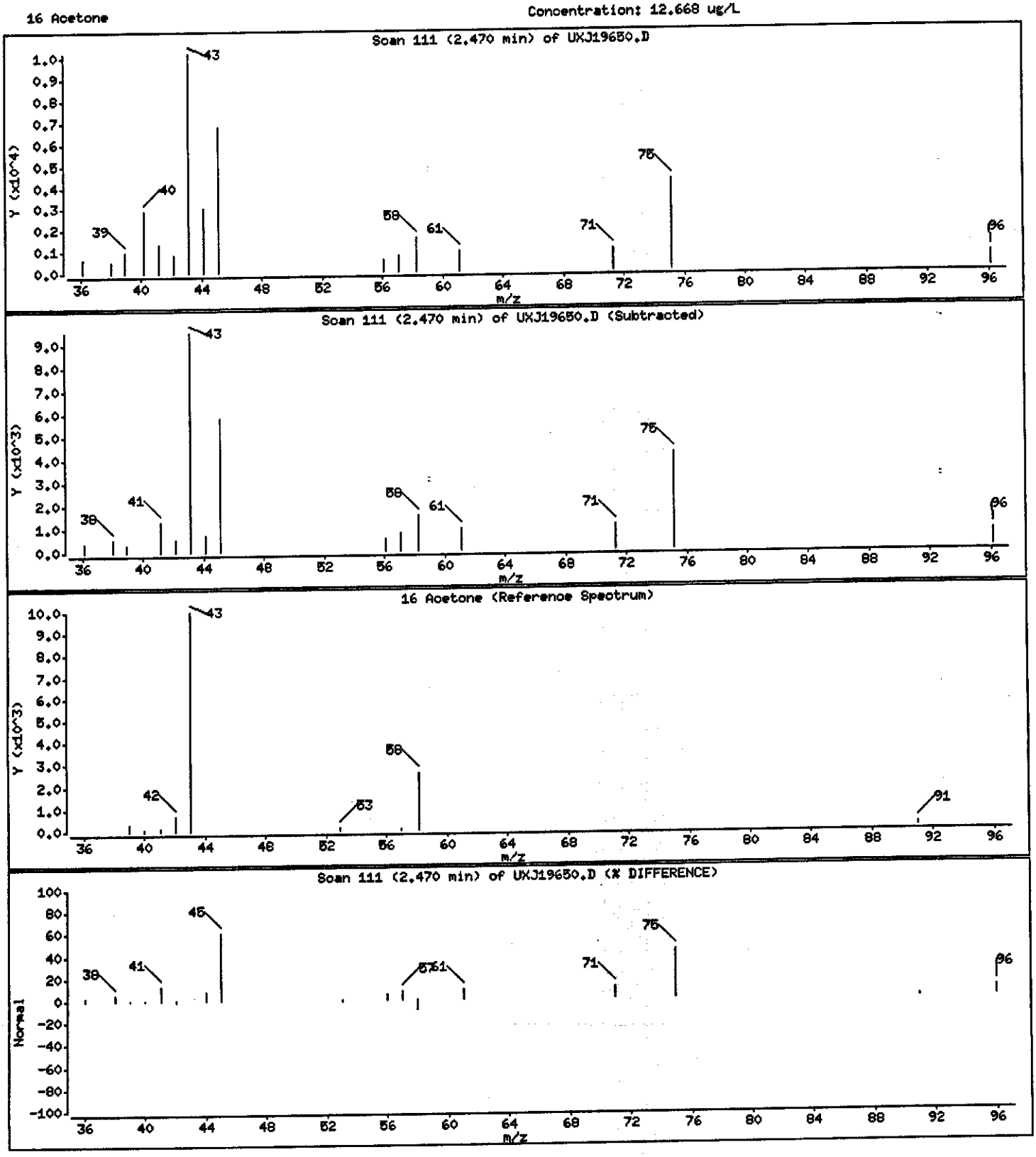
Operator: 43562

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 12.668 ug/L



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Date : 08-APR-2004 06:24

Client ID: MW-8/033104

Instrument: a3ux11.i

Sample Info: GDDMJ1AA,0.5ML/5ML

Purge Volume: 0.5

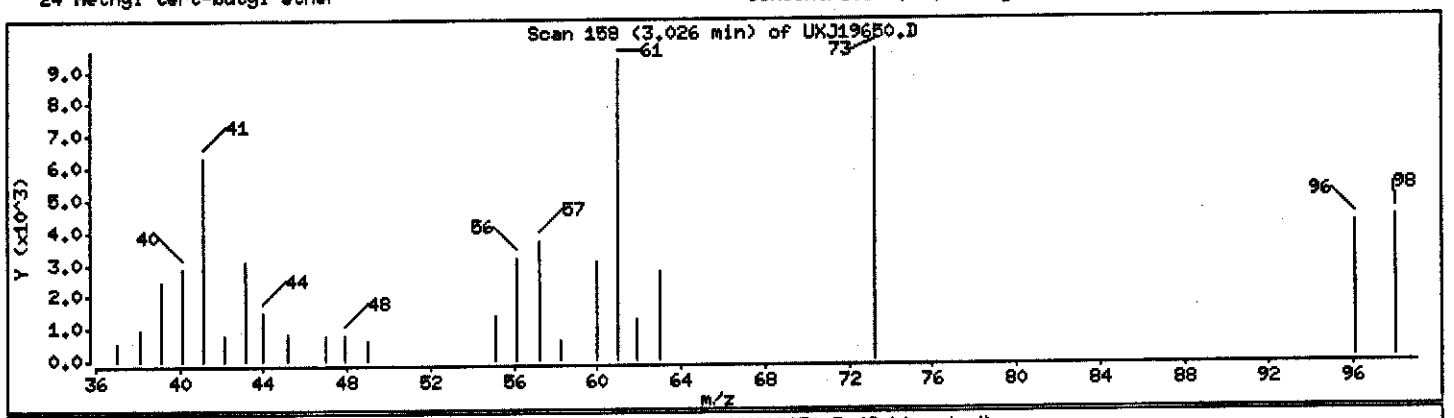
Operator: 43582

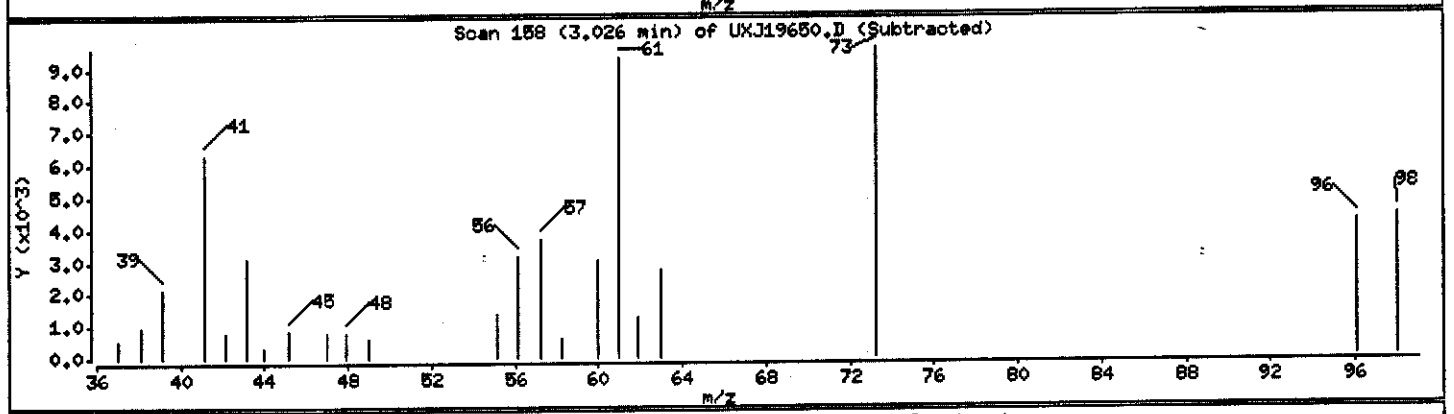
Column phase: DB624

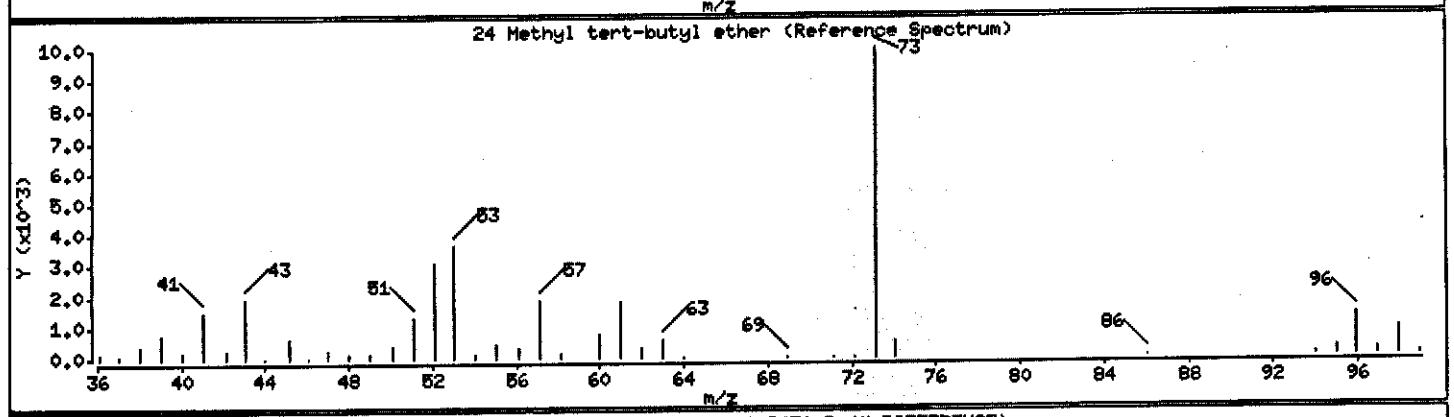
Column diameter: 0.18

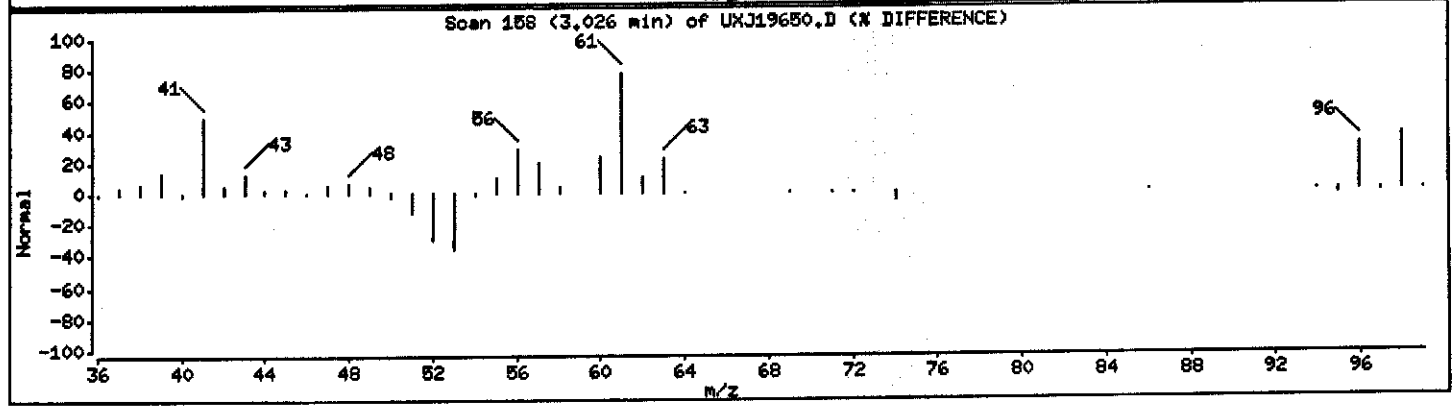
24 Methyl tert-butyl ether

Concentration: 2.294 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19650.D

Date : 08-APR-2004 06:24

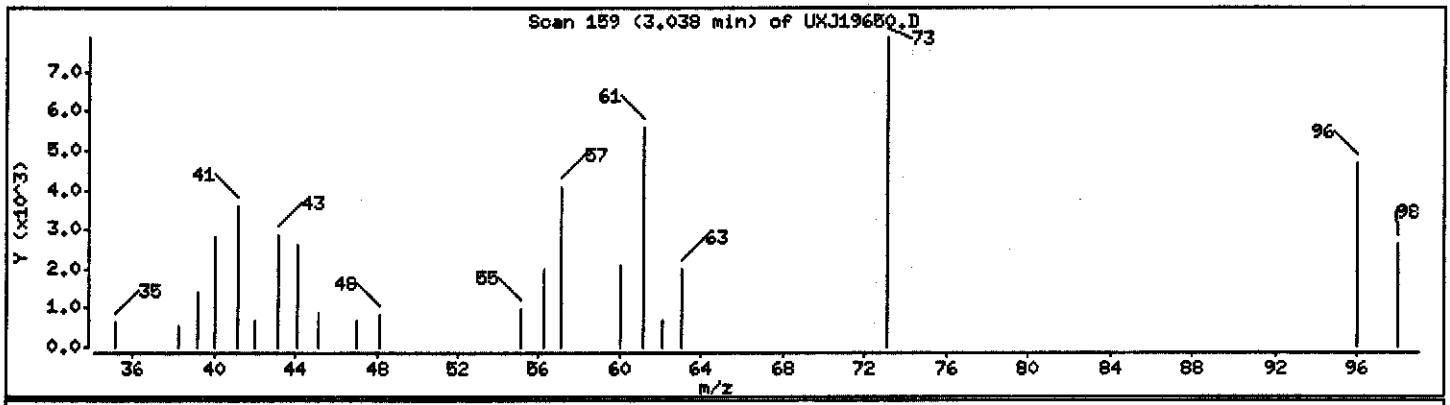
Client ID: MW-8/033104 Instrument: a3ux11.i

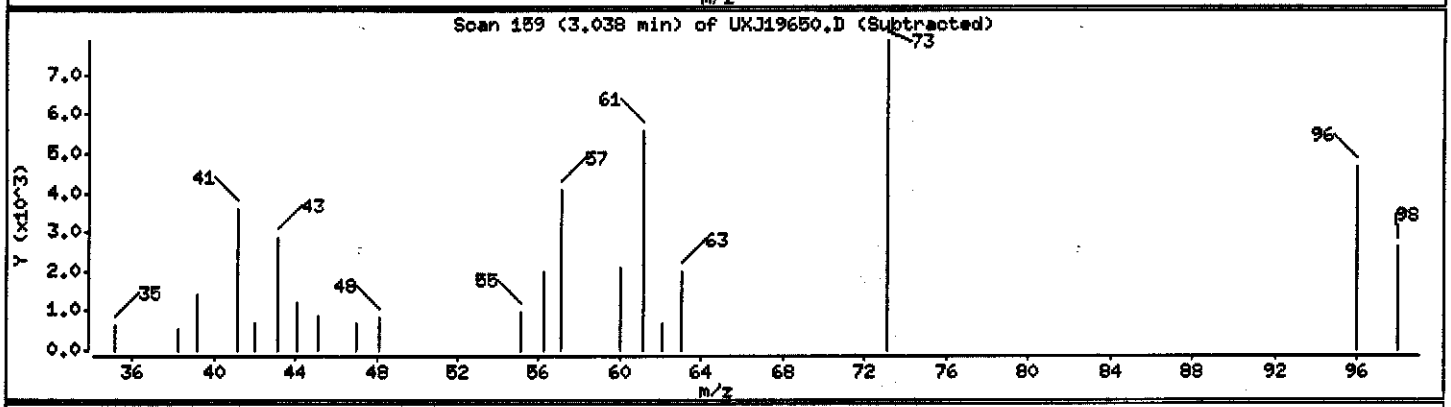
Sample Info: GDDMJ1AA,0.5ML/5ML

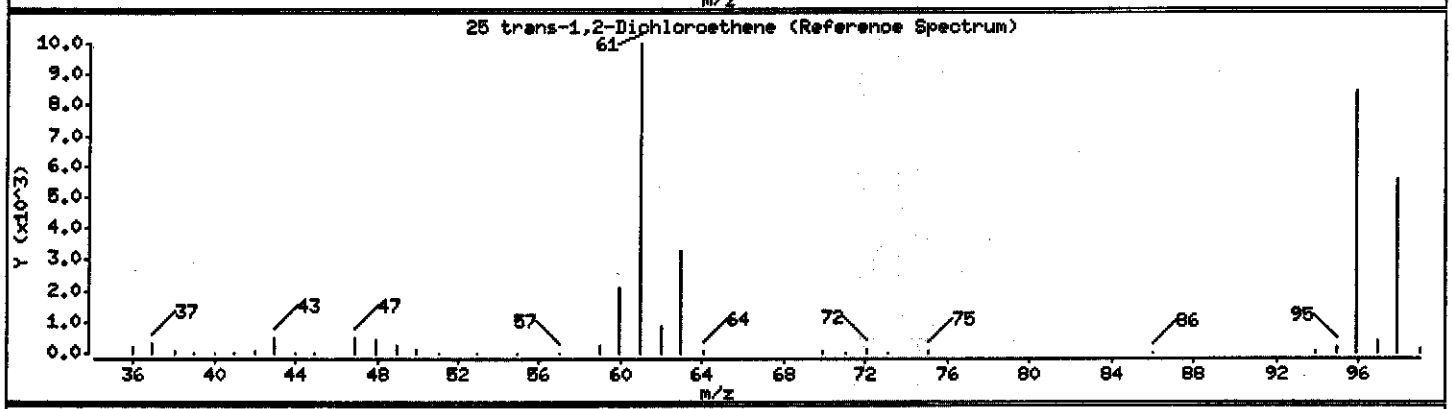
Purge Volume: 0.5 Operator: 43582

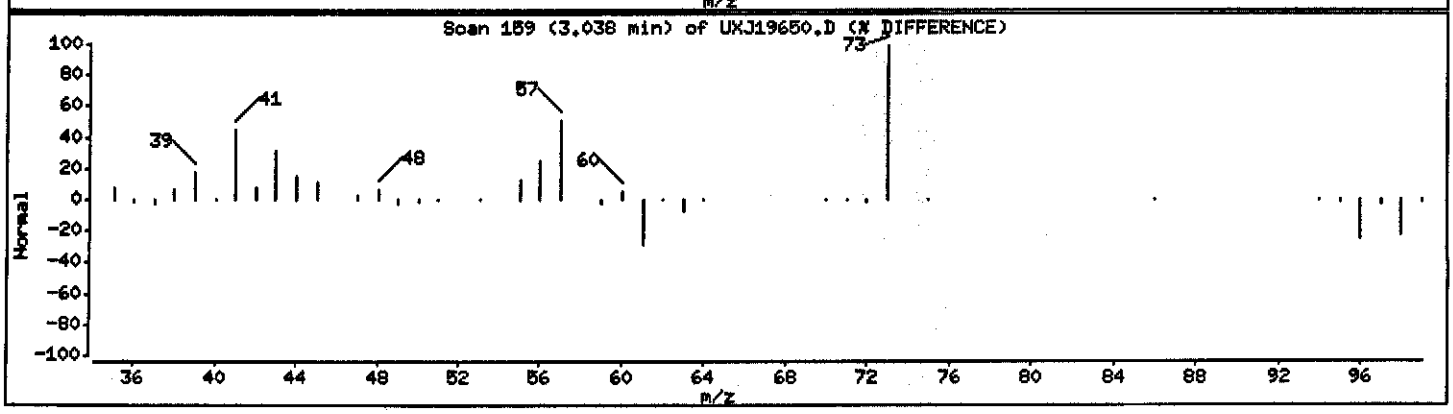
Column phase: DB624 Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 3.317 ug/L









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Date : 08-APR-2004 06:24

Client ID: MW-8/033104

Instrument: a3ux11.i

Sample Info: GDDMJ1AA,0.5ML/5ML

Purge Volume: 0.5

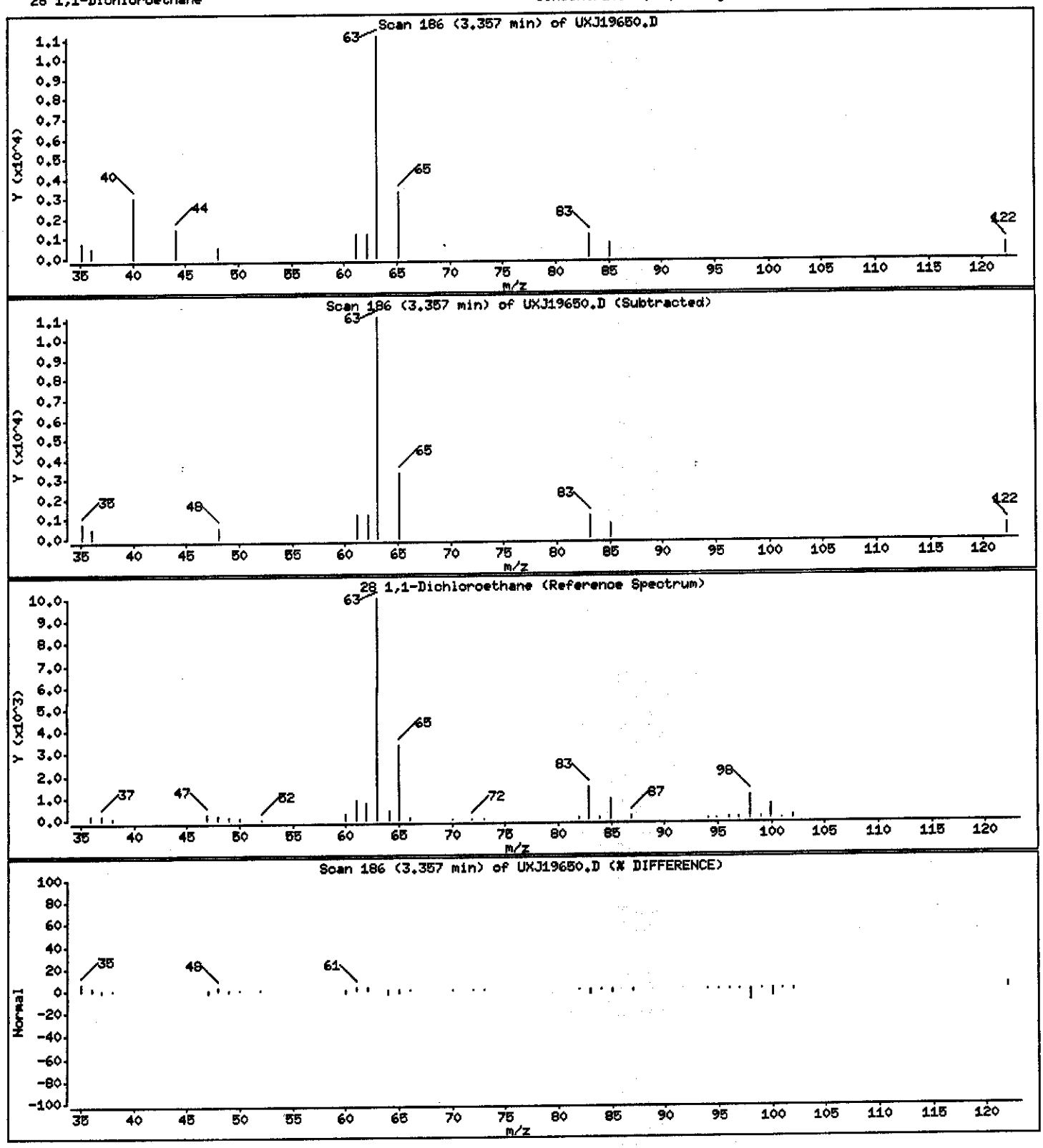
Operator: 43582

Column phase: DB624

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 3.646 ug/L



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Date : 08-APR-2004 06:24

Client ID: MW-8/033104

Instrument: a3ux11.i

Sample Info: GDDMJ1AA,0.5ML/5ML

Purge Volume: 0.5

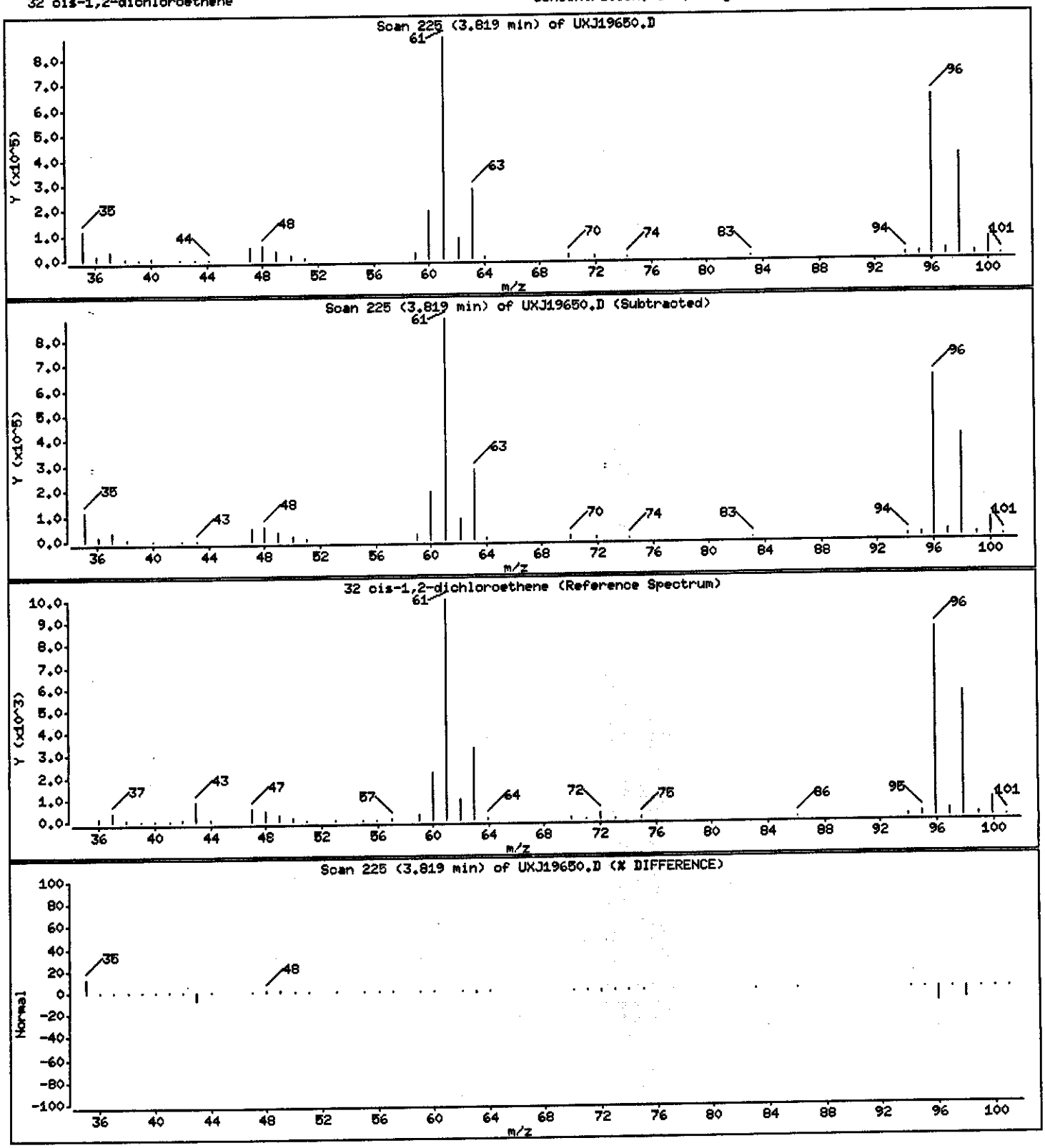
Operator: 43582

Column phase: DB624

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 360.92 ug/L



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Date : 08-APR-2004 06:24

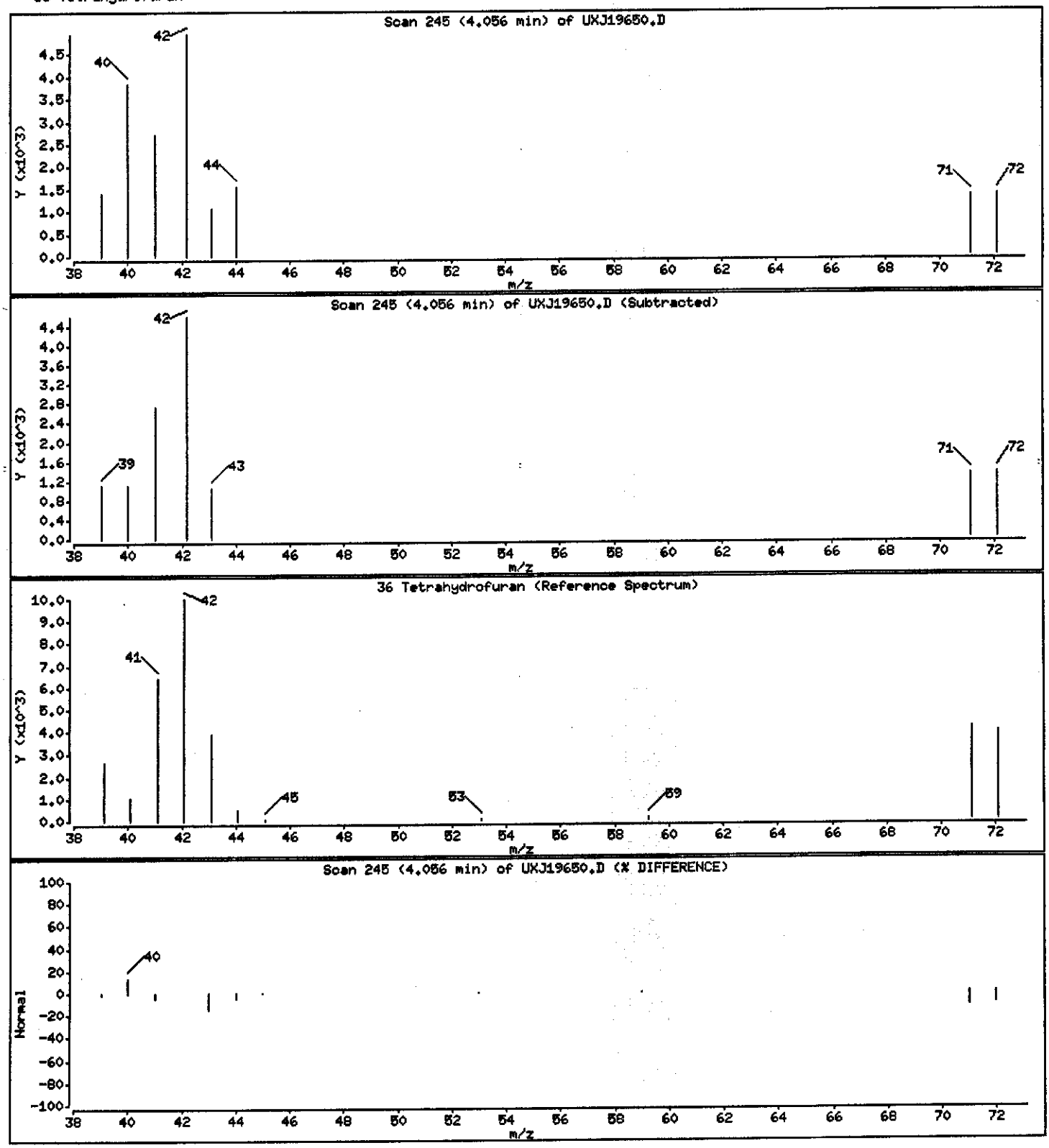
Client ID: MW-8/033104 Instrument: a3ux11.i

Sample Info: GDDMJ1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 6.078 ug/L



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Date : 08-APR-2004 06:24

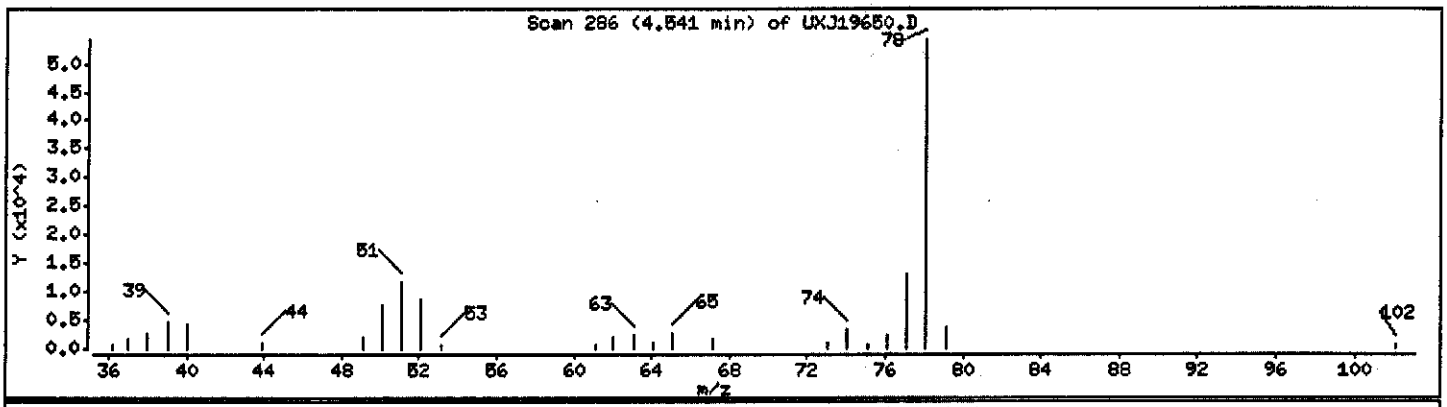
Client ID: MW-8/033104 Instrument: a3ux11.i

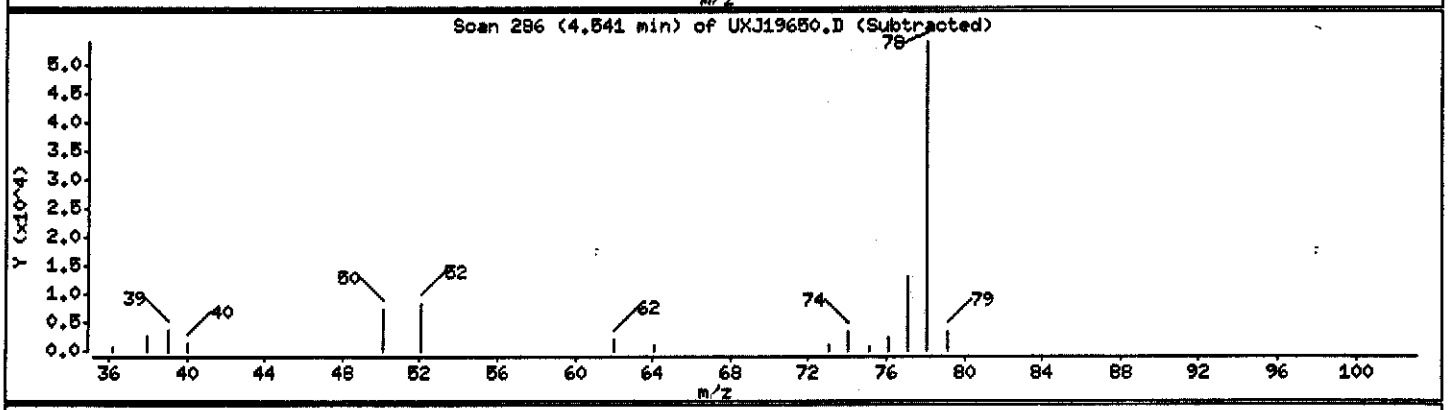
Sample Info: GDDMJ1AA,0.5ML/5ML

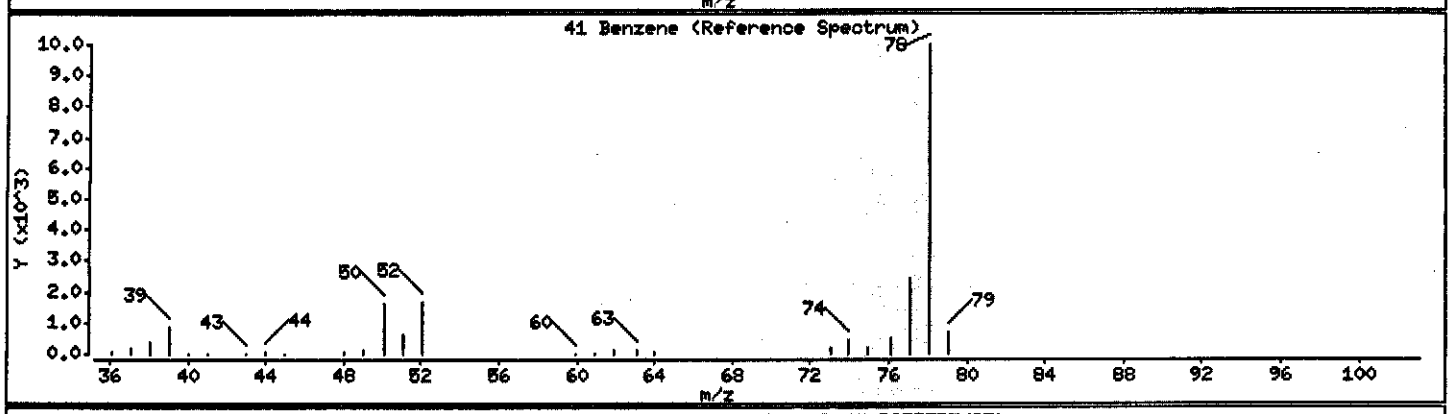
Purge Volume: 0.5 Operator: 43582

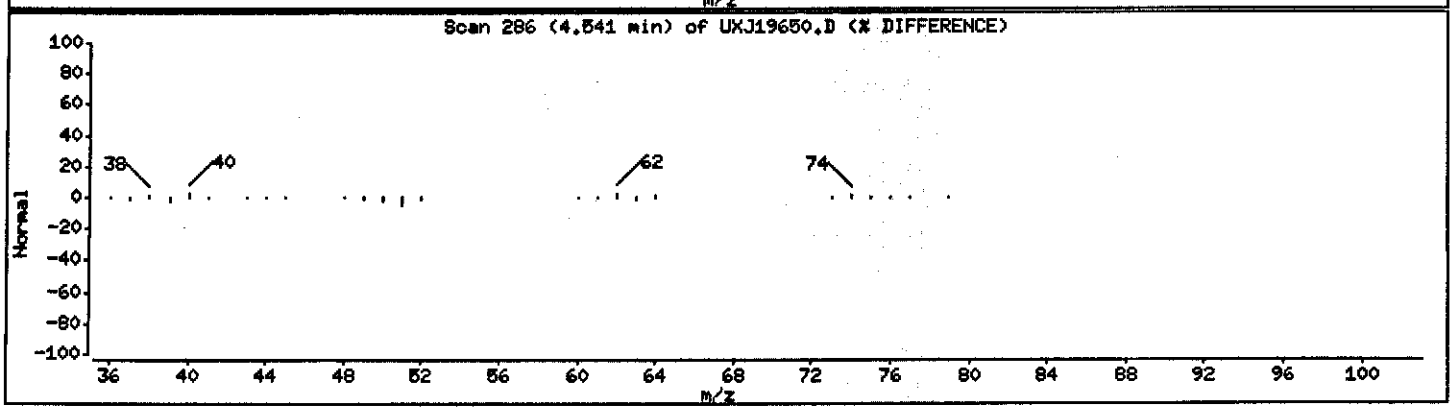
Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 6.869 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19650.D

Date : 08-APR-2004 06:24

Client ID: MW-8/033104

Instrument: a3ux11.i

Sample Info: GDDMJ1AA,0.5ML/5ML

Operator: 43582

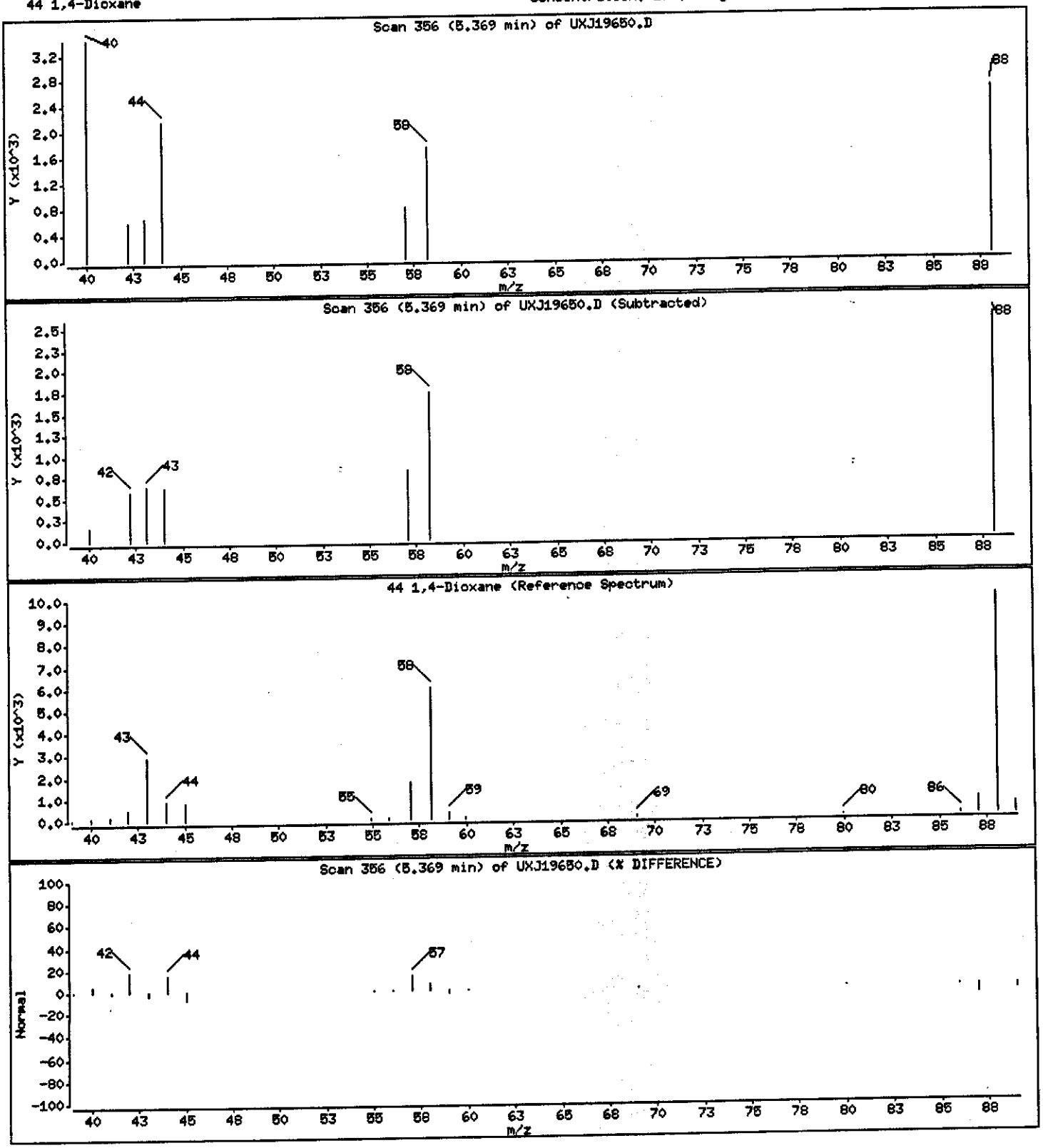
Purge Volume: 0.5

Column phase: DB624

Column diameter: 0.18

Concentration: 190.22 ug/L

44 1,4-Dioxane



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Date : 08-APR-2004 06:24

Client ID: MW-8/033104

Instrument: a3ux11.i

Sample Info: GDDMJ1AA,0.5ML/5ML

Purge Volume: 0.5

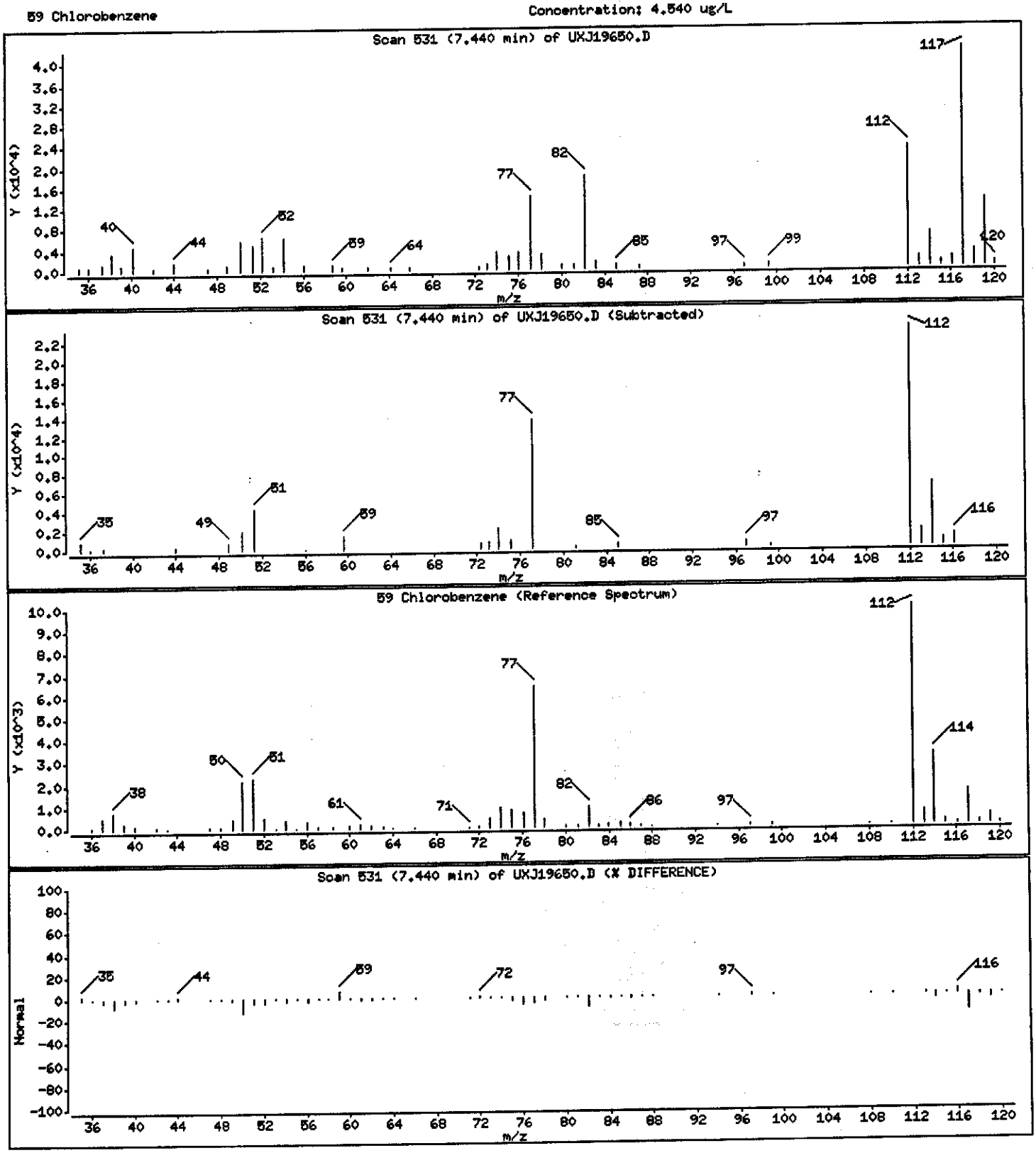
Operator: 43582

Column phase: DB624

Column diameter: 0.18

59 Chlorobenzene

Concentration: 4.540 ug/L



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Date : 08-APR-2004 06:24

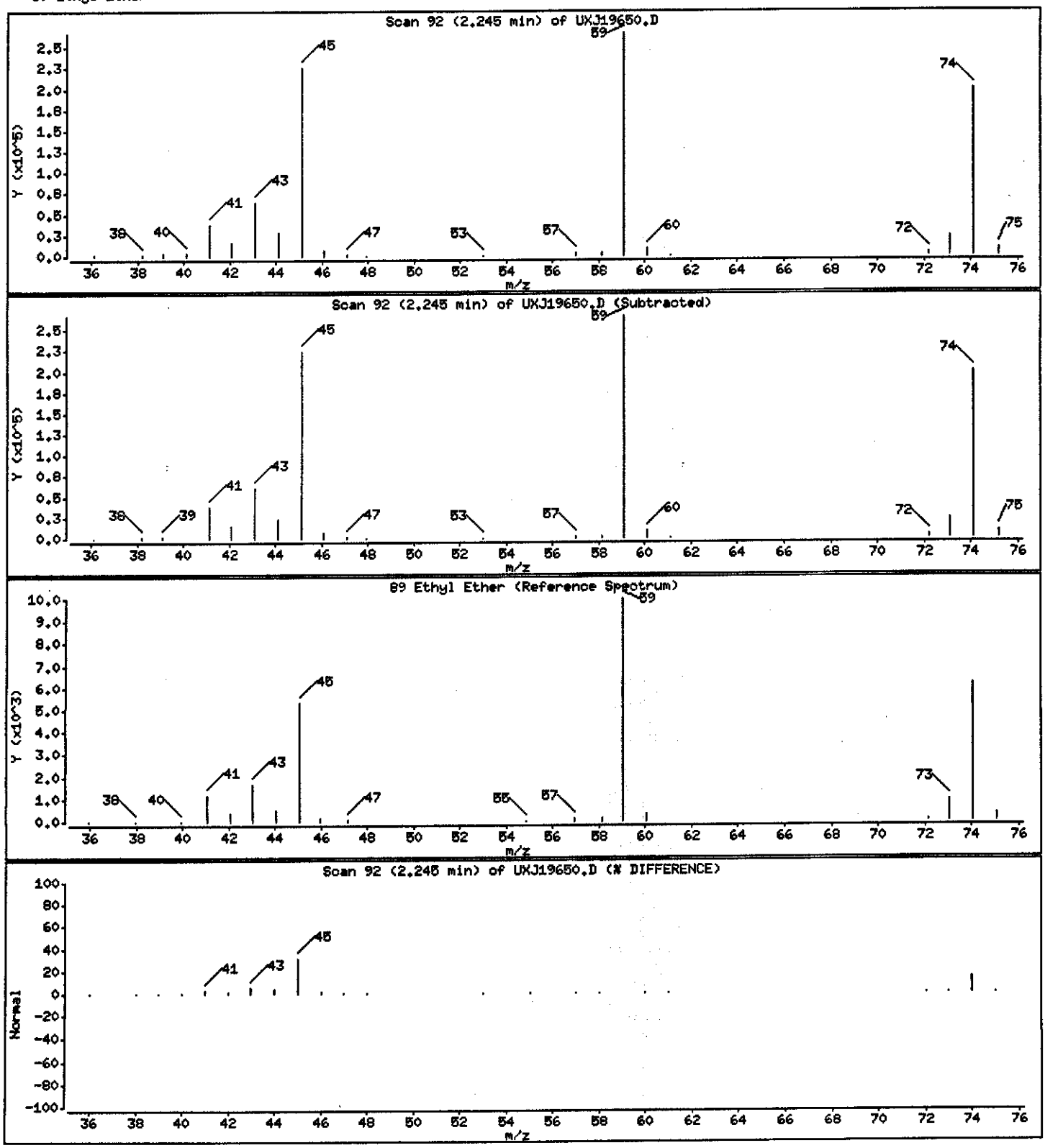
Client ID: MW-8/033104 | Instrument: a3ux11.i

Sample Info: GDDMJ1AA,0.5ML/5ML

Purge Volume: 0.5 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

89 Ethyl Ether | Concentration: 197.34 ug/L



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Date : 08-APR-2004 06:24

Client ID: MW-8/033104

Instrument: a3ux11.i

Sample Info: GDDMJ1AA,0.5ML/5ML

Purge Volume: 0.5

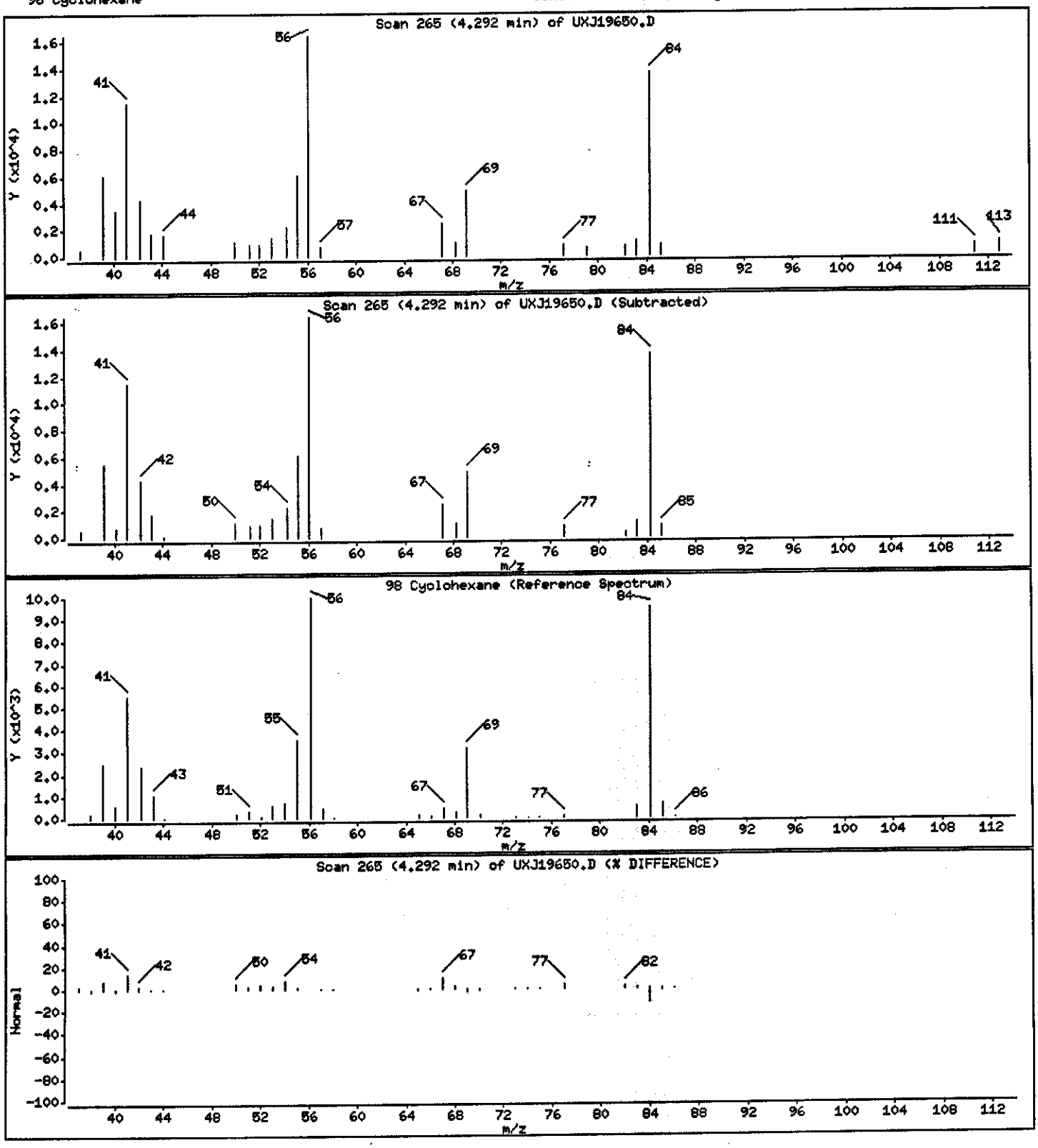
Operator: 43582

Column phase: DB624

Column diameter: 0.18

98 Cyclohexane

Concentration: 6.909 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-23/033104

GC/MS Volatiles

Lot-Sample #...: A4D010333-003 **Work Order #...:** GDDMN1AA **Matrix.....:** WG
Date Sampled...: 03/31/04 10:00 **Date Received..:** 04/01/04
Prep Date.....: 04/08/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4099202
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	**9.0**	**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	**5.3**	**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	**10**	**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	**540**	**200**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

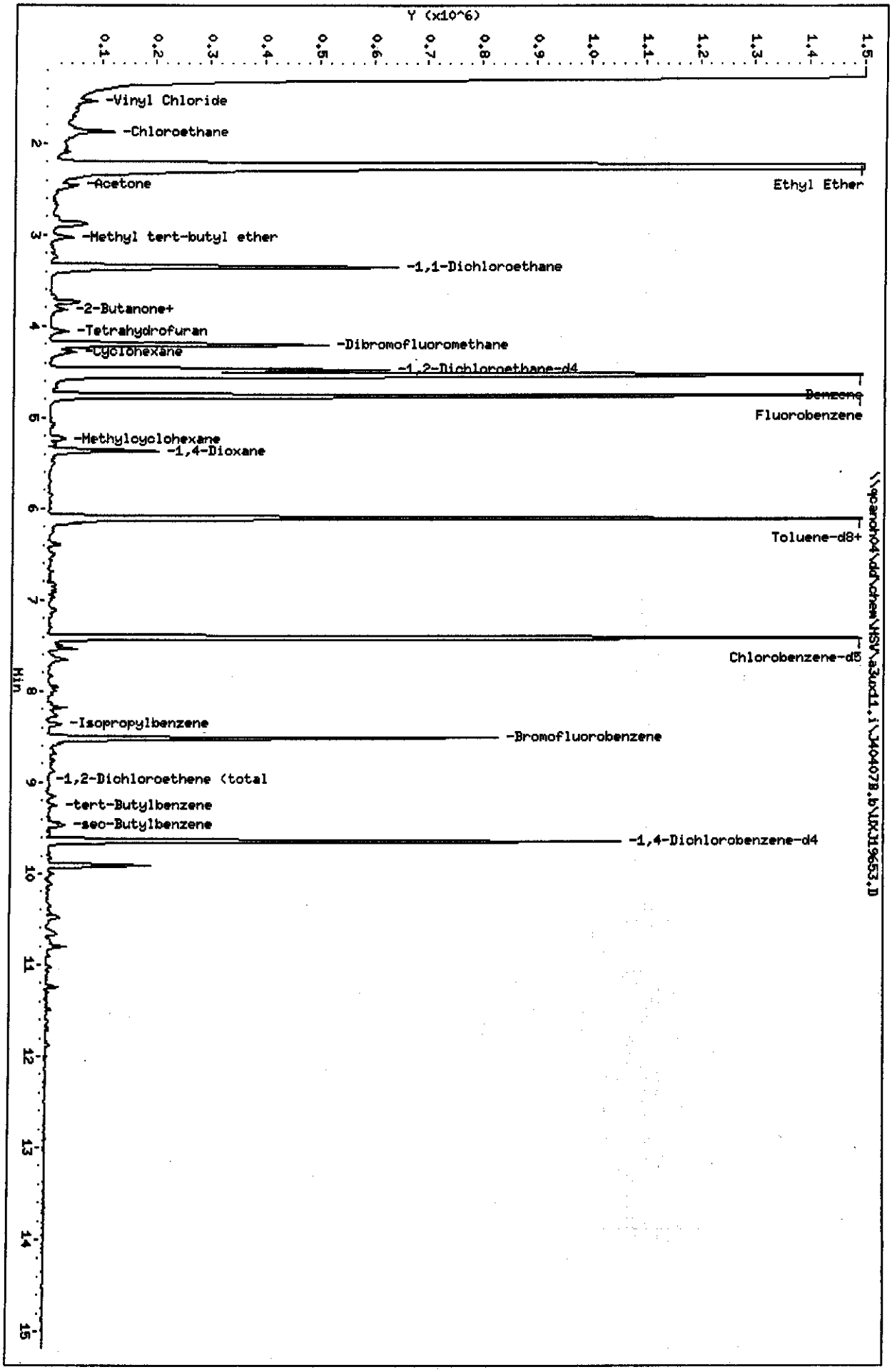
Client Sample ID: MW-23/033104

GC/MS Volatiles

Lot-Sample #...: A4D010333-003 **Work Order #...:** GDDMN1AA **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	**1.3**	**1.0**	**ug/L**
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)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Date : 08-APR-2004 07:34
Client ID: MW-23/033104
Sample Info: GDDMMDAA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Vinyl Chloride
-Chloroethane
Ethyl Ether
-Acetone
-Methyl tert-butyl ether
-1,1-Dichloroethane
-2-Butanone+
-Tetrahydrofuran
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4
Benzene
Fluorobenzene
-Methylcyclohexane
-1,4-Dioxane
Toluene-d8+
Chlorobenzene-d5
-Isopropylbenzene
-Bromofluorobenzene
-1,2-Dichloroethene (total
-tert-Butylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux11.i\J40407B.b\UX19653.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D
Report Date: 08-Apr-2004 09:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D
Lab Smp Id: GDDMN1AA Client Smp ID: MW-23/033104
Inj Date : 08-APR-2004 07:34
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GDDMN1AA,5ML/5ML
Misc Info : J40407B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m
Meth Date : 08-Apr-2004 09:19 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 58
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.765	4.765	(1.000)	1581984	50.0000	
* 2 Chlorobenzene-d5	117	7.416	7.416	(1.000)	982174	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	286750	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.883)	345874	49.5628	9.912
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.940)	467407	46.6821	9.336
$ 6 Toluene-d8	98	6.102	6.102	(0.823)	1353453	46.1750	9.235
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.148)	311836	45.8282	9.166
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.547	1.546	(0.325)	37364	6.60335	1.321
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	1.866	1.866	(0.392)	111365	26.3233	5.265
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.458	2.458	(0.516)	62007	13.3525	2.670(H)
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D
Report Date: 08-Apr-2004 09:34

	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	3.026	3.026	(0.635)	26732	1.14054	0.2281
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.357	3.357	(0.705)	781857	51.2269	10.245
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.830	3.818	(0.804)	14894	2.68881	0.5378
M	31 1,2-Dichloroethene (total)	96				13376	1.57885	0.3158
	32 cis-1,2-dichloroethene	96	3.819	3.818	(0.801)	13376	1.57885	0.3158
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.055	4.055	(0.851)	27493	9.39372	1.879
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.540	4.540	(0.953)	1621012	44.9251	8.985
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.369	5.369	(1.127)	168646	2681.21	536.24(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.161	6.161	(0.831)	39890	1.05306	0.2106
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D
Report Date: 08-Apr-2004 09:34

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	8.374	8.374	(1.129)	18322	0.80780	0.1616
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	9.250	9.250	(0.959)	10192	0.90798	0.1816
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	9.463	9.475	(0.982)	21876	1.38190	0.2764
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	2.245	2.245	(0.471)	6533783	855.486	171.10(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.280	4.280	(0.898)	29154	2.37604	0.4752
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.238	5.238	(1.099)	10618	0.95281	0.1906
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D

Date : 08-APR-2004 07:34

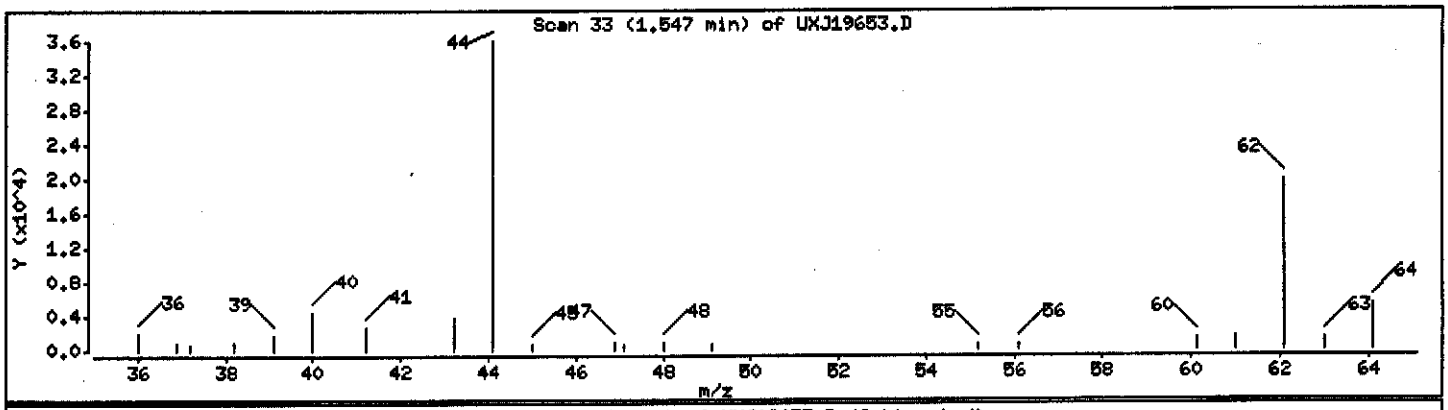
Client ID: MW-23/033104 Instrument: a3ux11.i

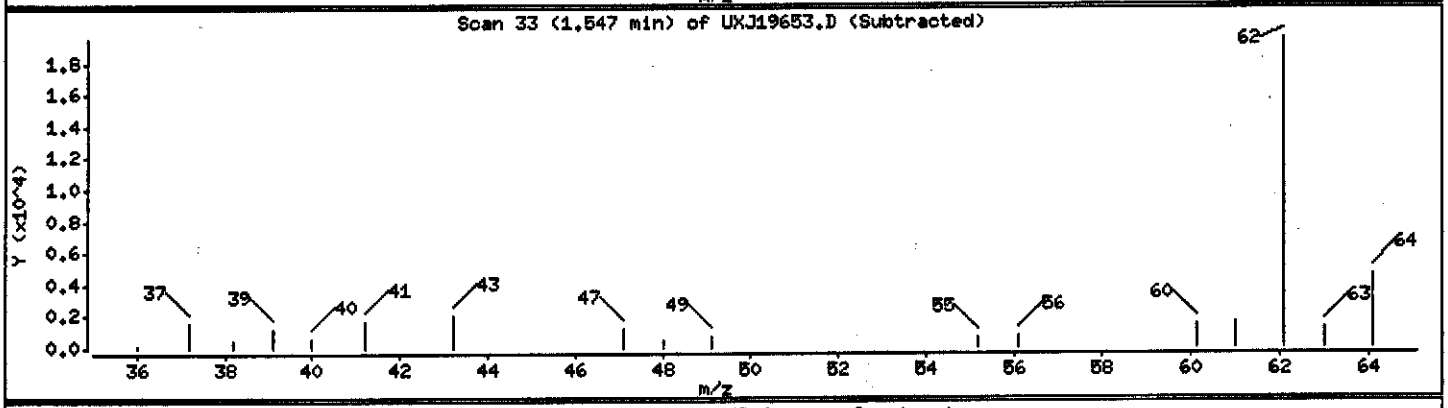
Sample Info: GDDMN1AA,5ML/5ML

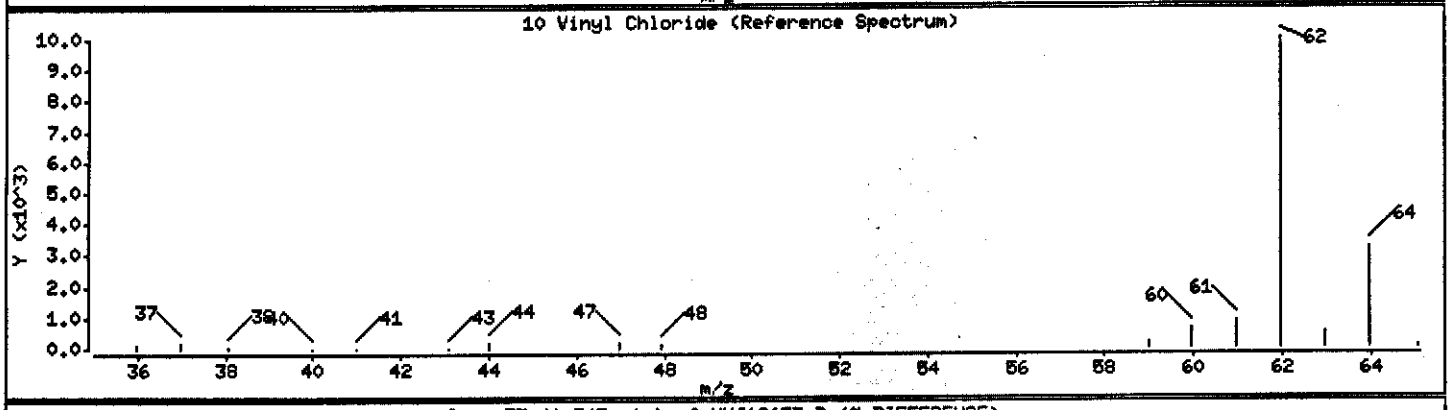
Purge Volume: 5.0 Operator: 43582

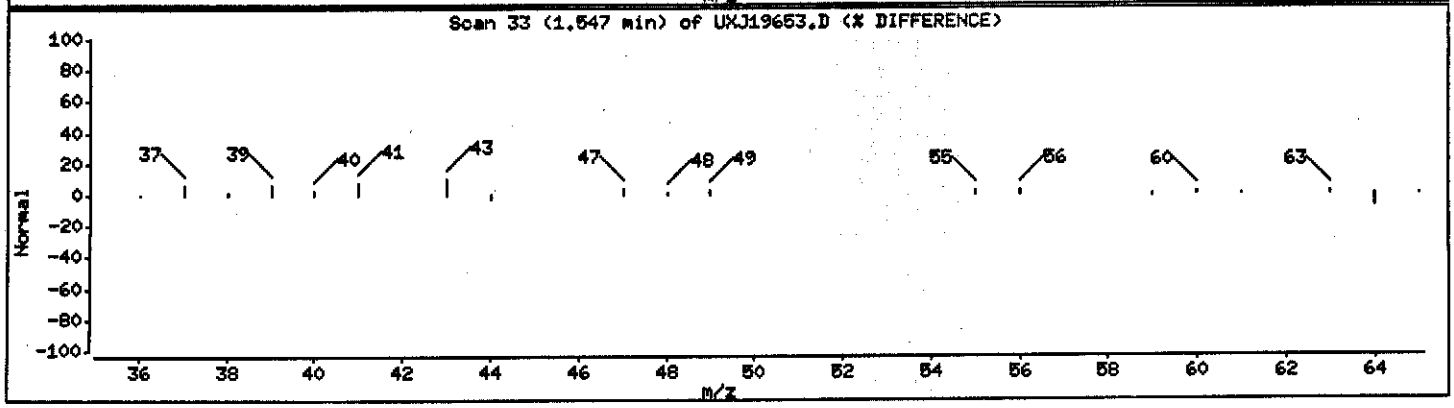
Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 1.321 ug/L









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Date : 08-APR-2004 07:34

Client ID: MW-23/033104

Instrument: a3ux11.i

Sample Info: GDDMN1AA,5ML/5ML

Purge Volume: 5.0

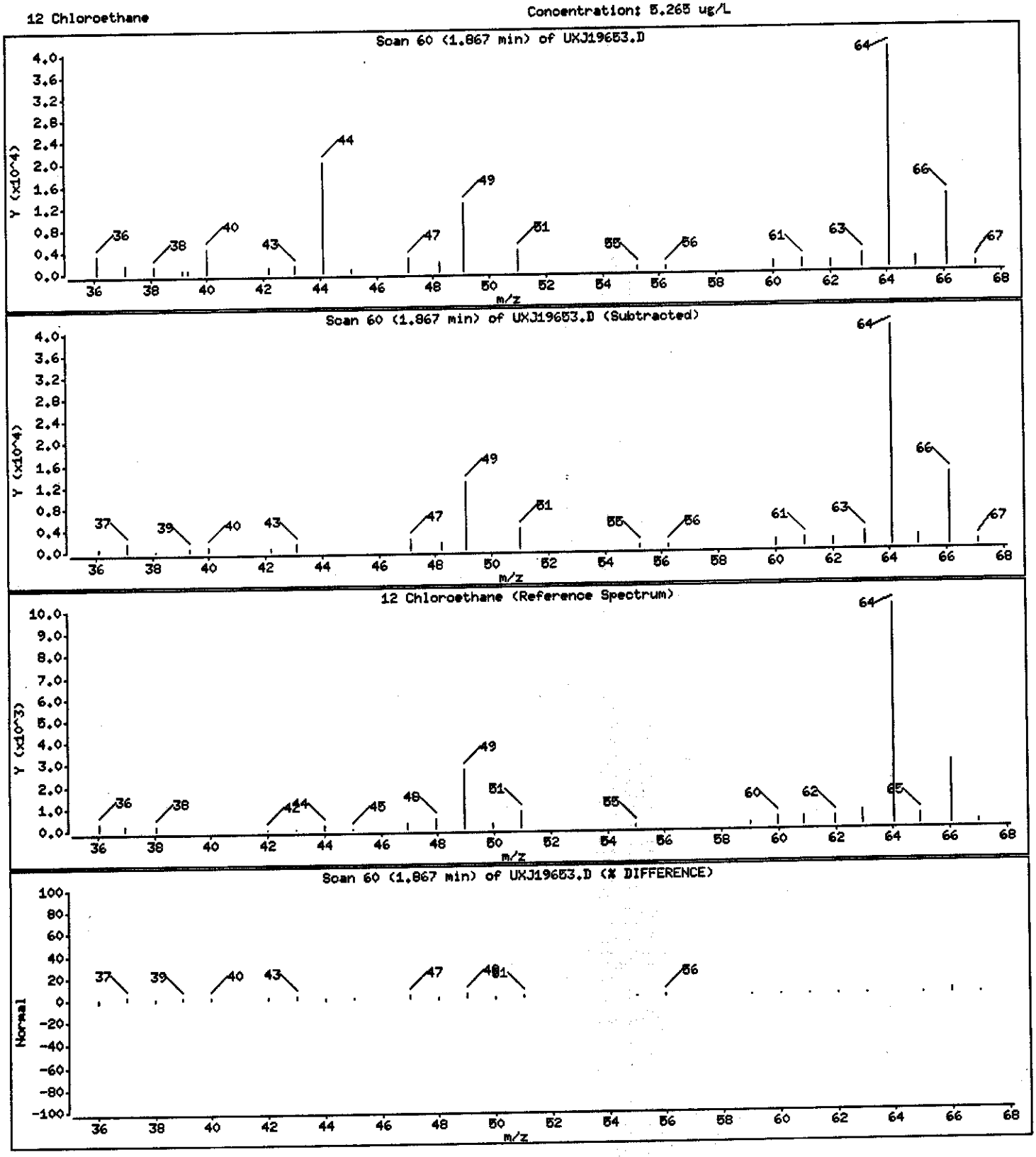
Operator: 43582

Column phase: DB624

Column diameter: 0.18

12 Chloroethane

Concentration: 5.265 ug/L



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Date : 08-APR-2004 07:34

Client ID: MW-23/033104

Instrument: a3ux11.i

Sample Info: GDDMN1AA,5ML/5ML

Purge Volume: 5.0

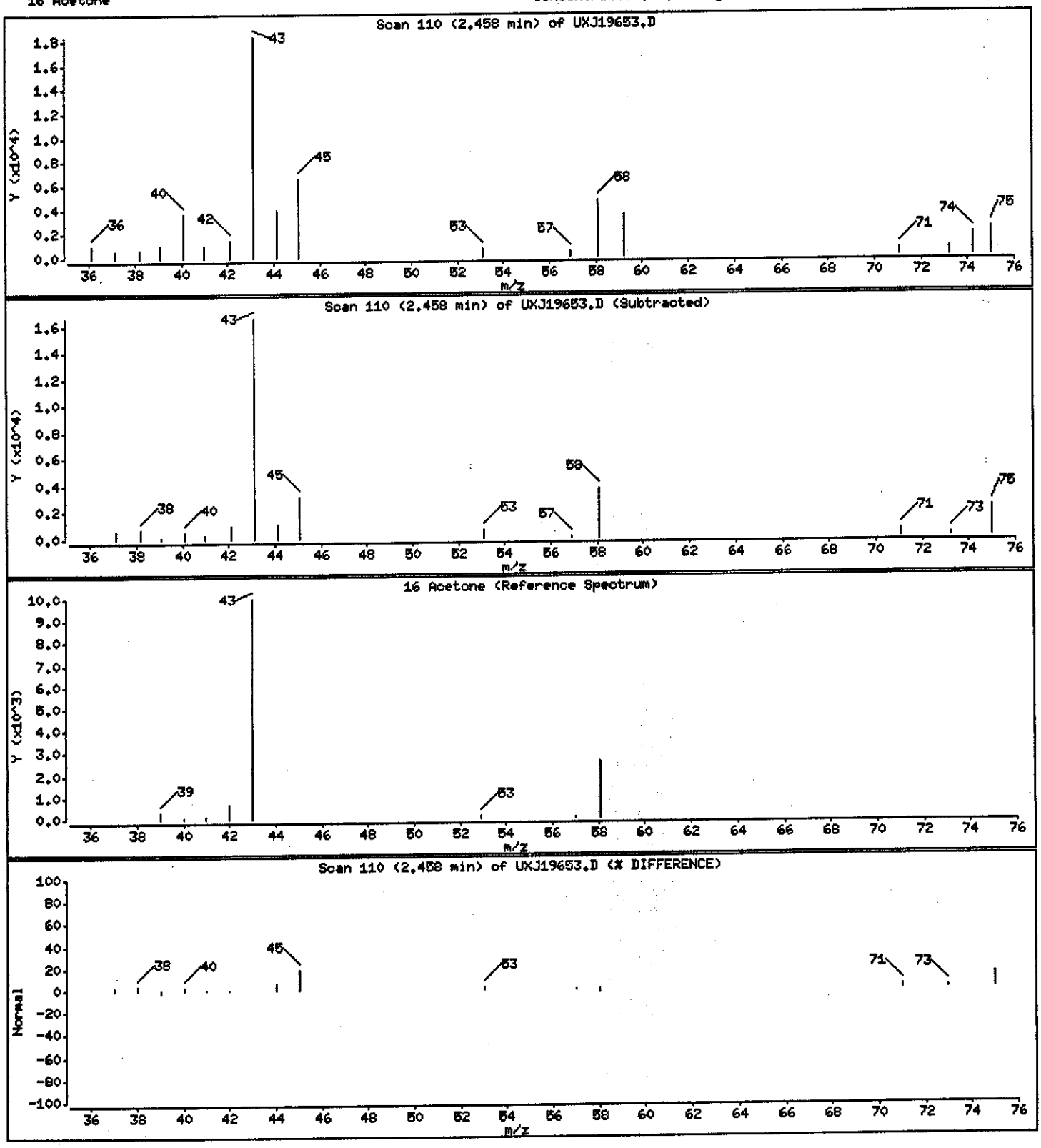
Operator: 43582

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 2.670 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D

Date : 08-APR-2004 07:34

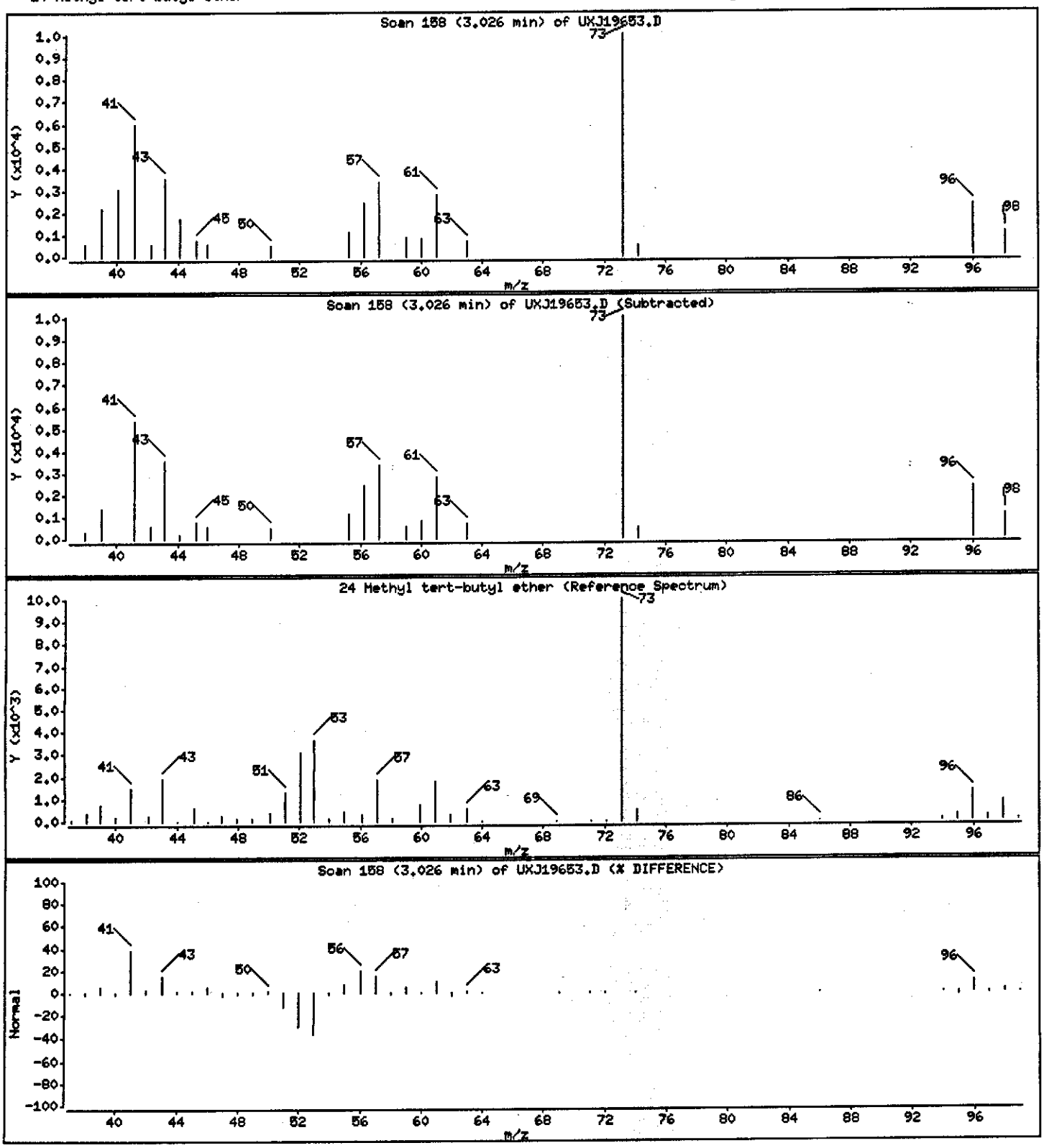
Client ID: MW-23/033104 Instrument: a3ux11.i

Sample Info: GDDMN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 0.2281 ug/L



Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D

Date : 08-APR-2004 07:34

Client ID: MW-23/033104

Instrument: a3ux11.i

Sample Info: GDDMN1AA,5ML/5ML

Purge Volume: 5.0

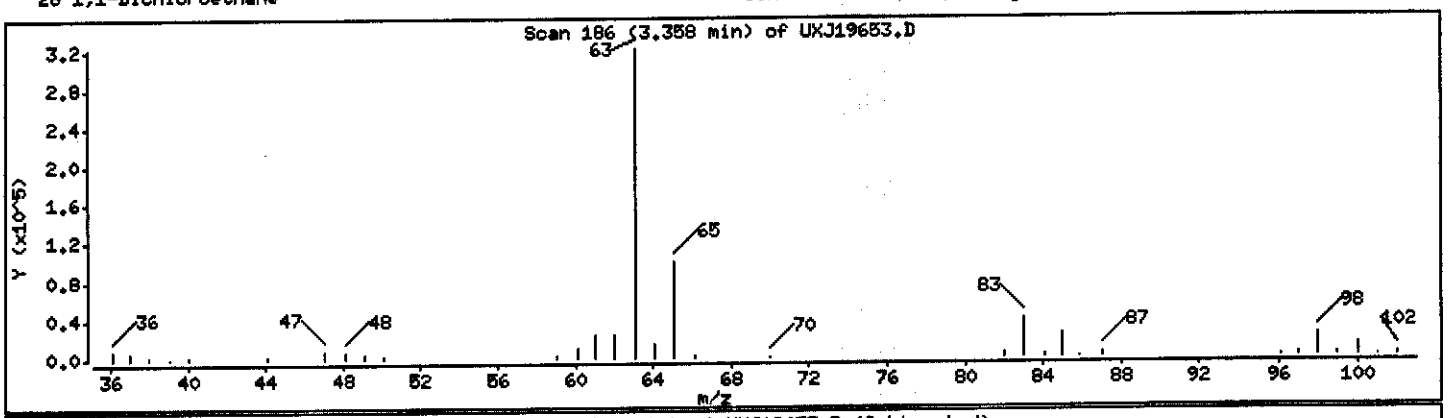
Operator: 43582

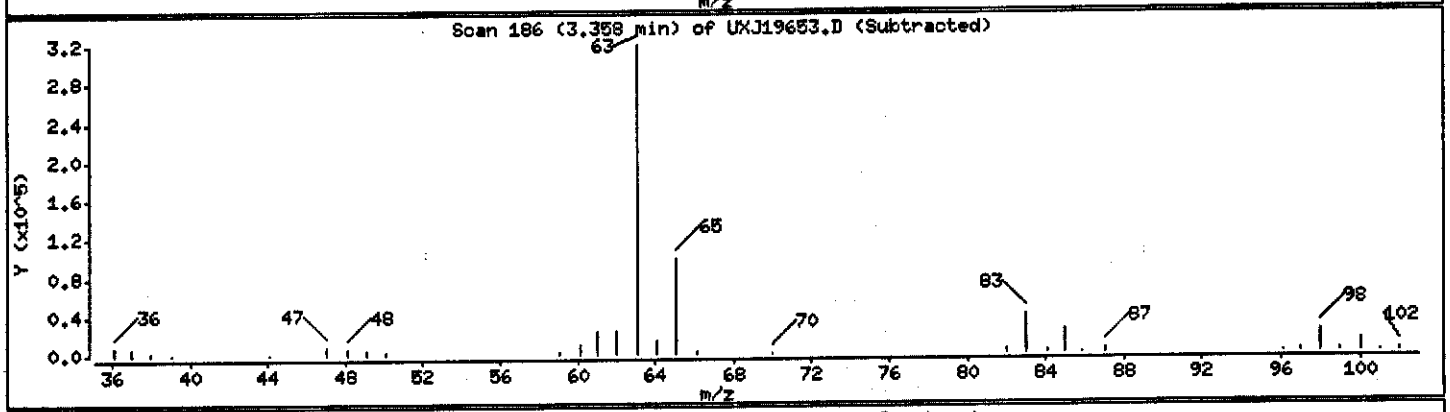
Column phase: DB624

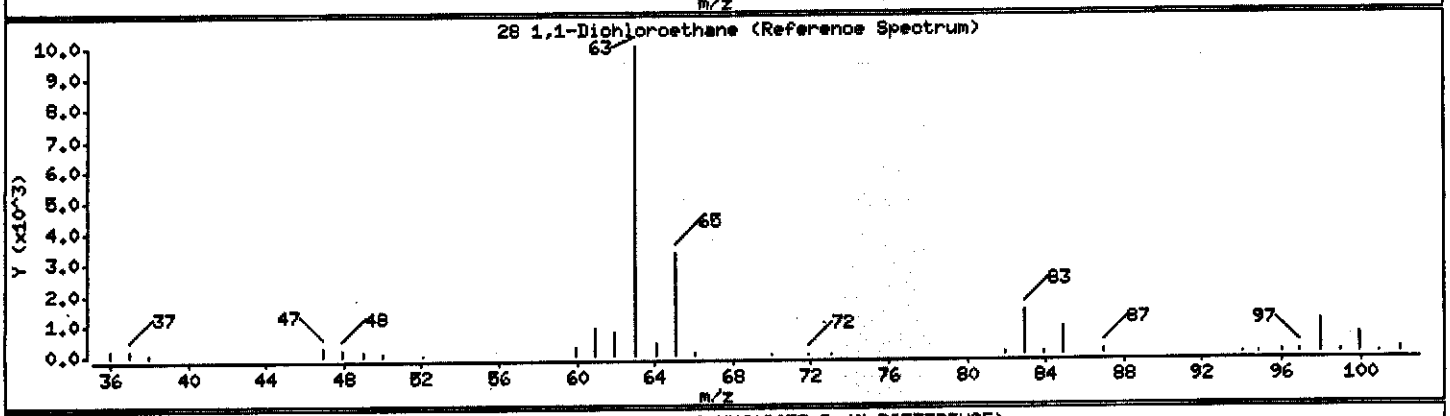
Column diameter: 0.18

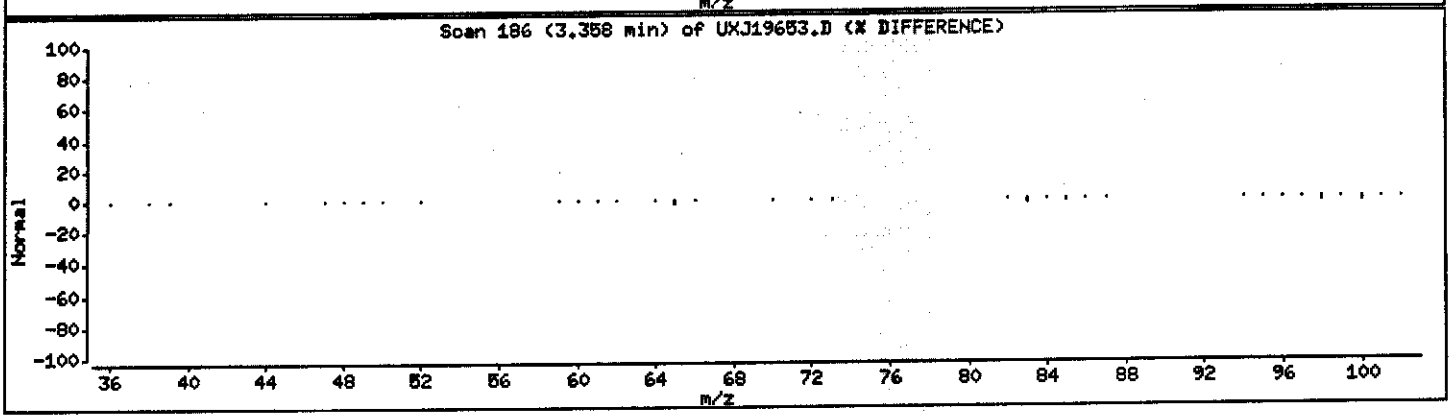
28 1,1-Dichloroethane

Concentration: 10.245 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D

Date : 08-APR-2004 07:34

Client ID: MW-23/033104

Instrument: a3ux11.i

Sample Info: GDDMN1AA,5ML/5ML

Purge Volume: 5.0

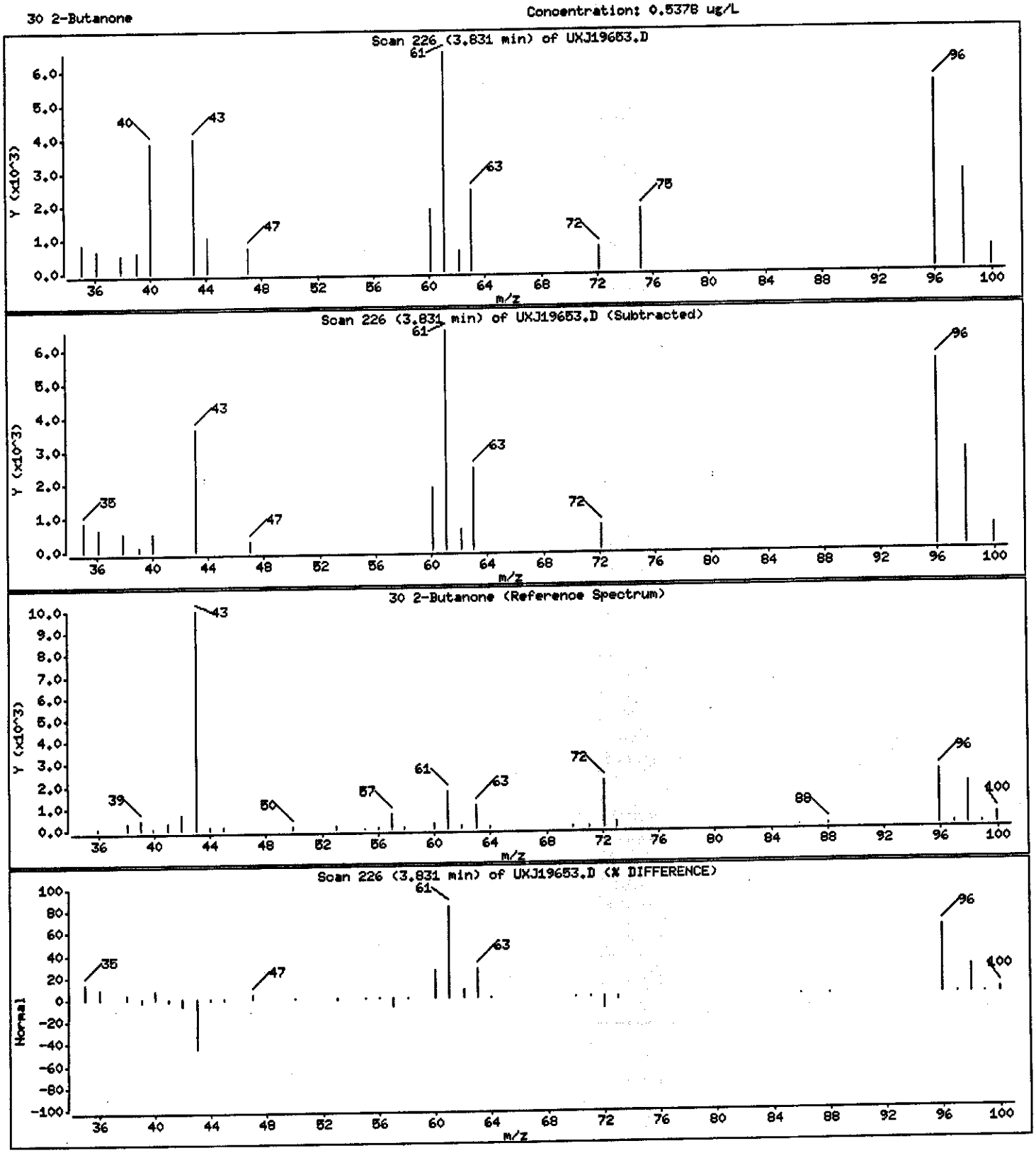
Operator: 43582

Column phase: DB624

Column diameter: 0.18

30 2-Butanone

Concentration: 0.5378 ug/L



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Date : 08-APR-2004 07:34

Client ID: MW-23/033104

Instrument: a3ux11.i

Sample Info: GDDMN1AA,5ML/5ML

Purge Volume: 5.0

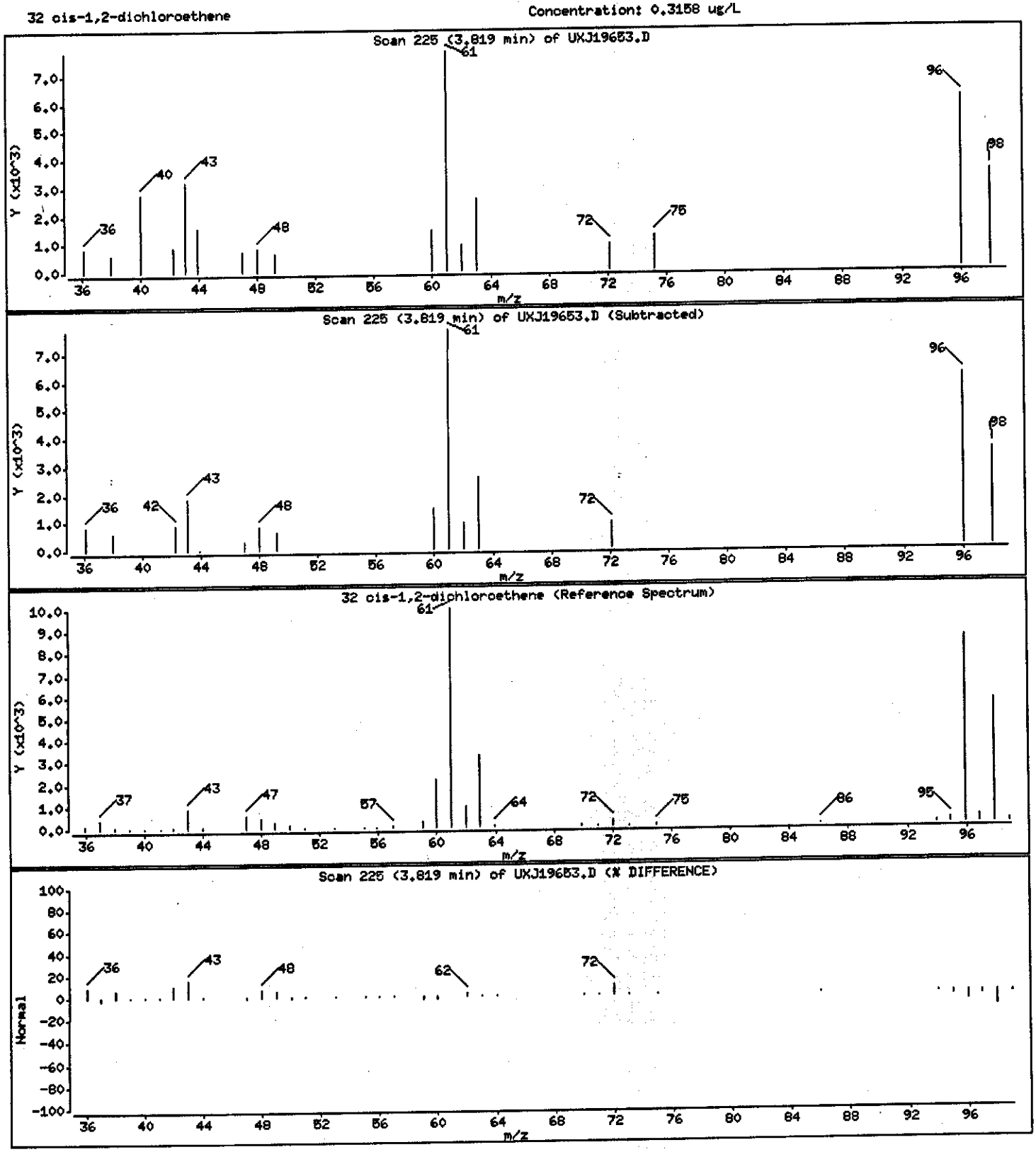
Operator: 43582

Column phase: DB624

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 0.3158 ug/L



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Date : 08-APR-2004 07:34

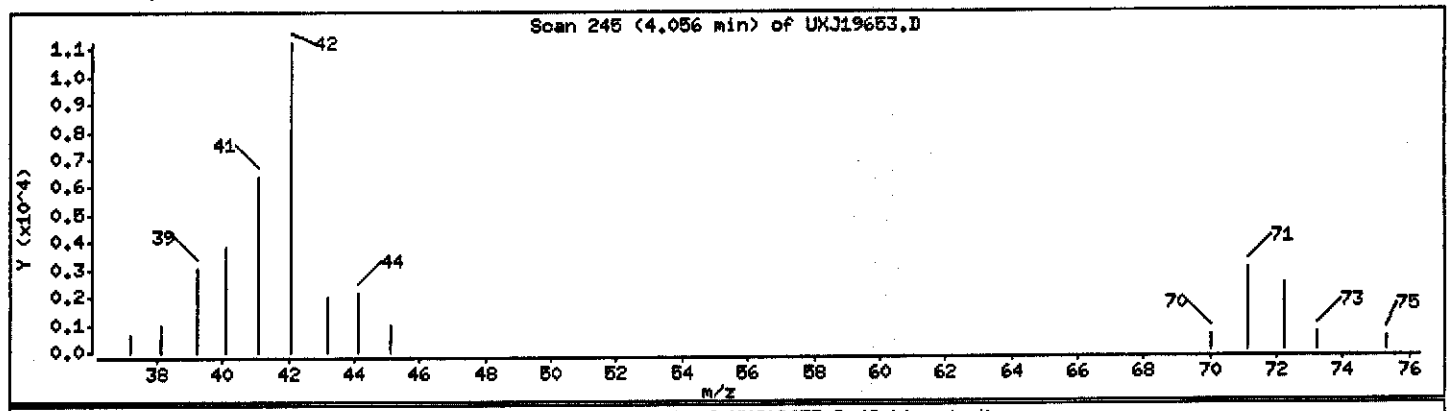
Client ID: MW-23/033104 | Instrument: a3ux11.i

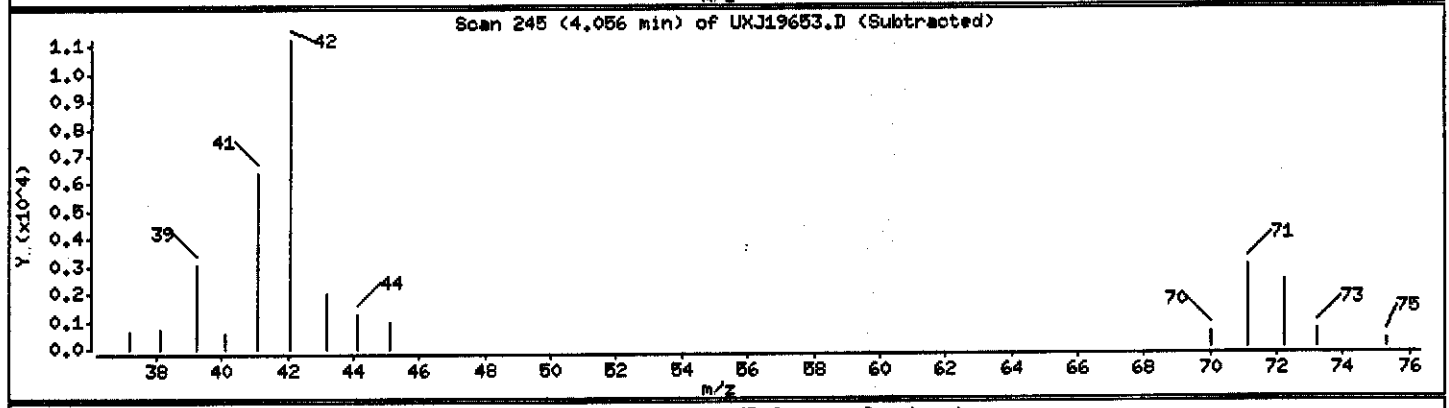
Sample Info: GDDMN1AA,5ML/5ML

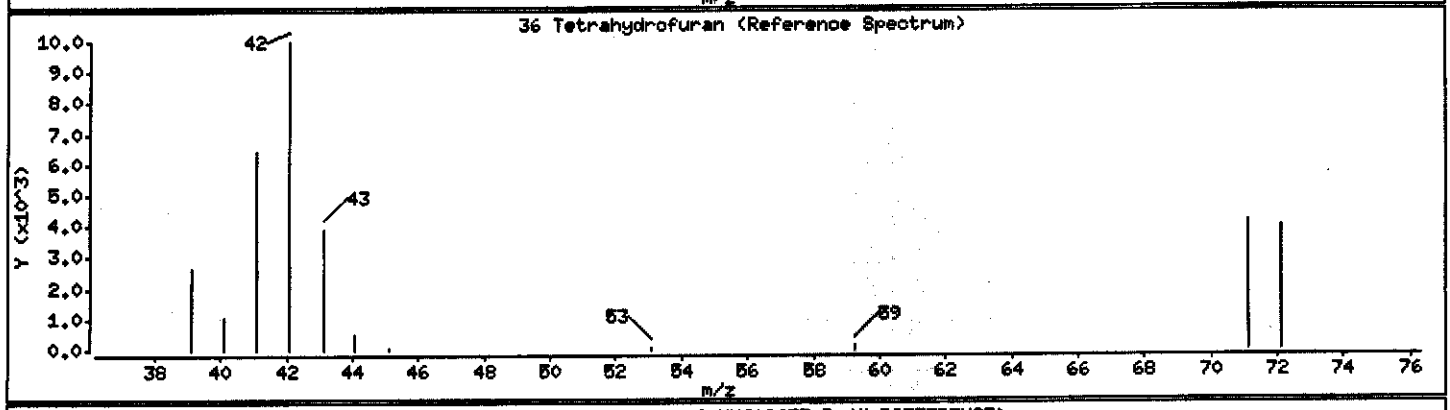
Purge Volume: 5.0 | Operator: 43582

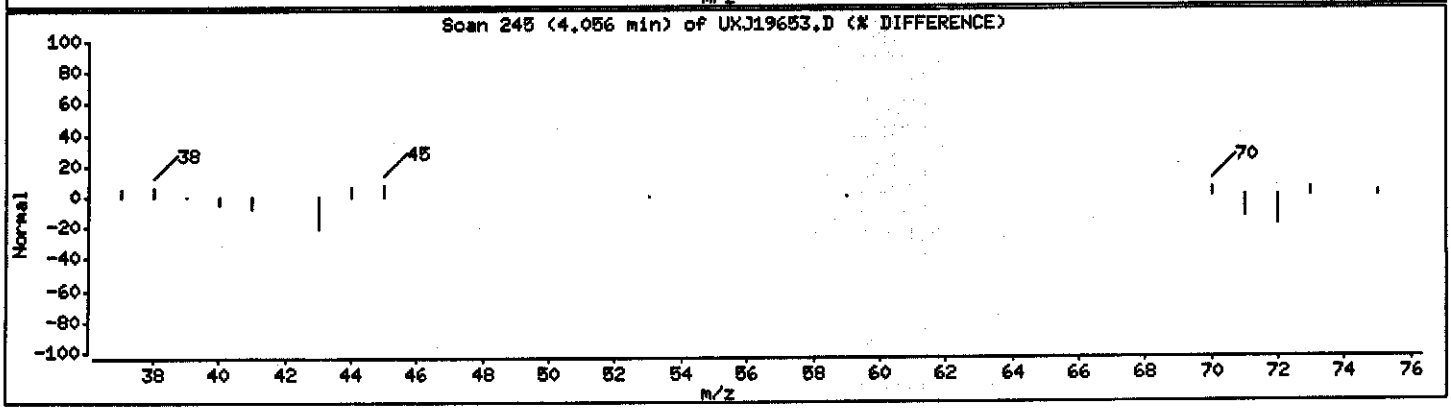
Column phase: DB624 | Column diameter: 0.18

36 Tetrahydrofuran | Concentration: 1.879 ug/L









Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D

Date : 08-APR-2004 07:34

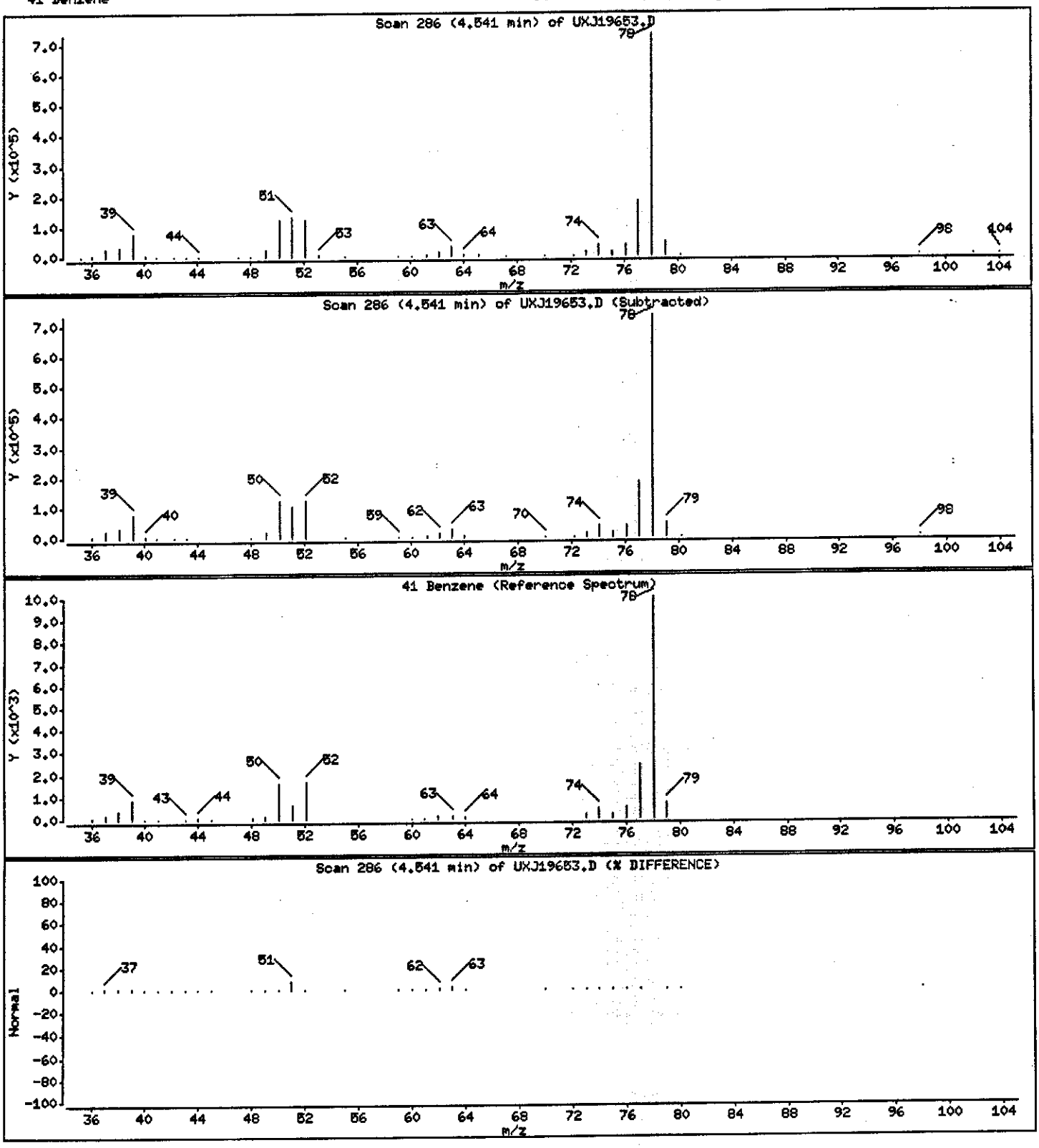
Client ID: MW-23/033104 Instrument: a3ux11.i

Sample Info: GDDMN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 8.985 ug/L



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Date : 08-APR-2004 07:34

Client ID: MW-23/033104

Instrument: a3ux11.i

Sample Info: CDDMN1AA,5ML/5ML

Purge Volume: 5.0

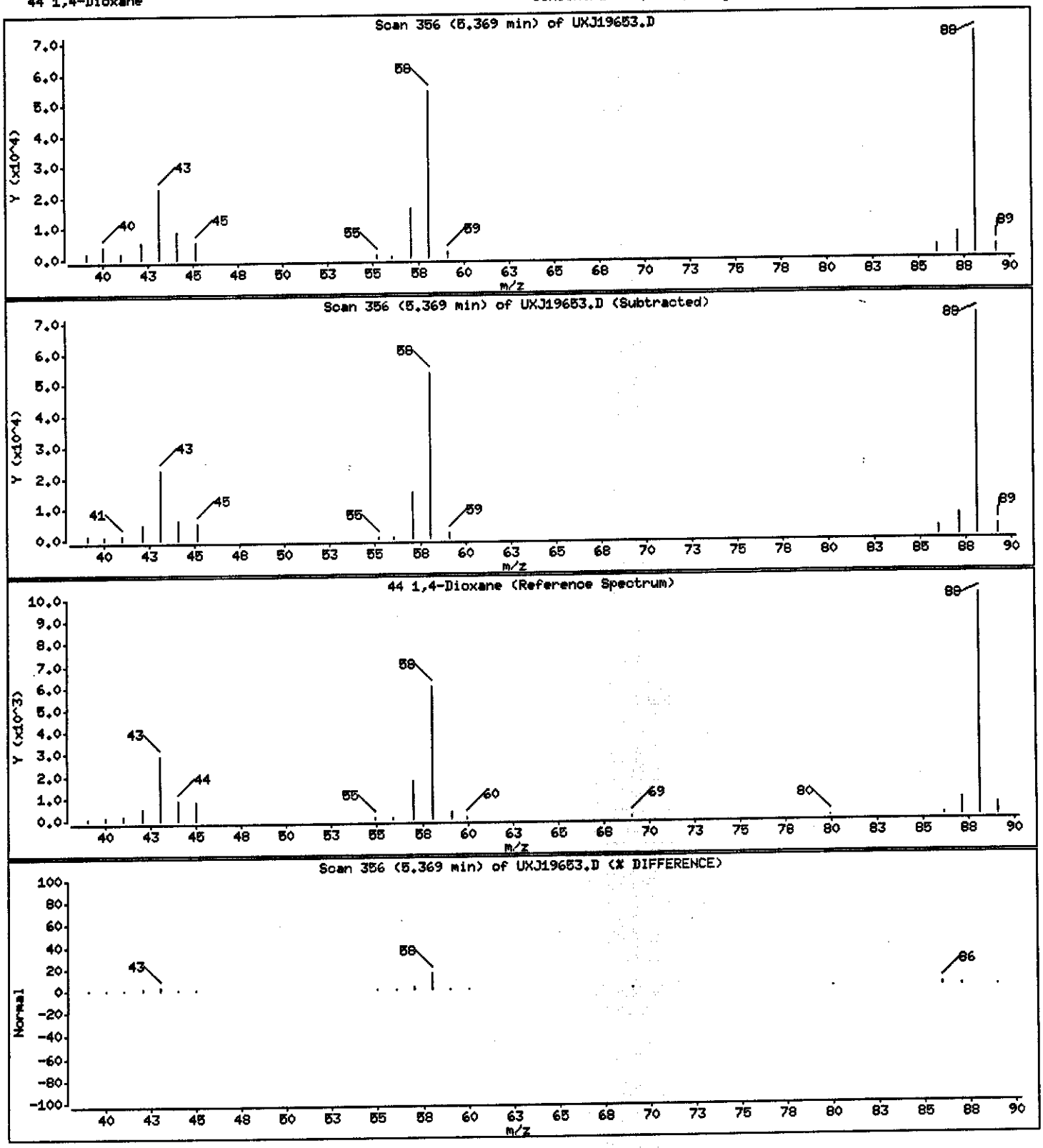
Operator: 43582

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 536.24 ug/L



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Date : 08-APR-2004 07:34

Client ID: MW-23/033104

Instrument: a3ux11.i

Sample Info: CDDMN1AA,5ML/5ML

Purge Volume: 5.0

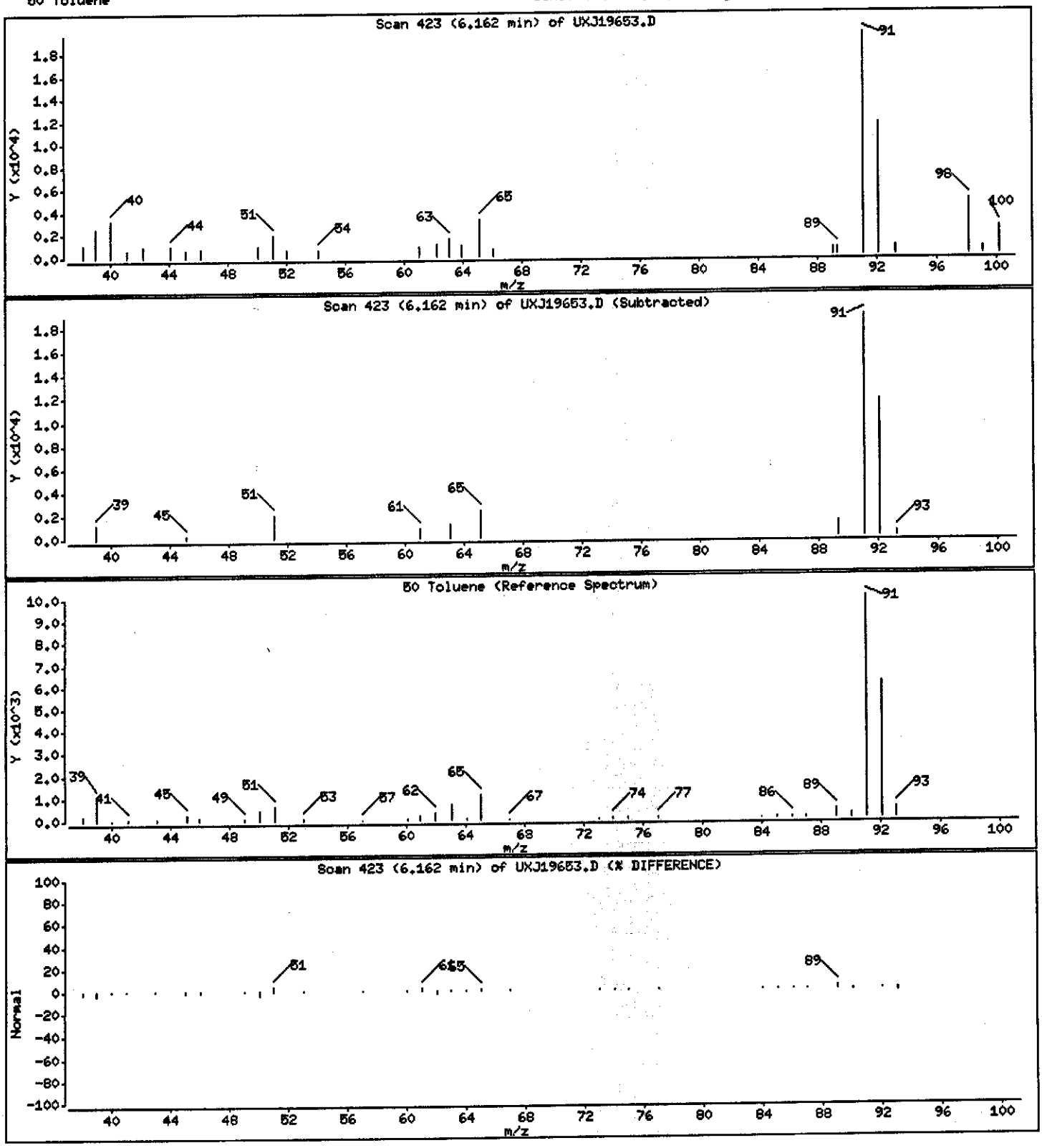
Operator: 43082

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 0.2106 ug/L



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Date : 08-APR-2004 07:34

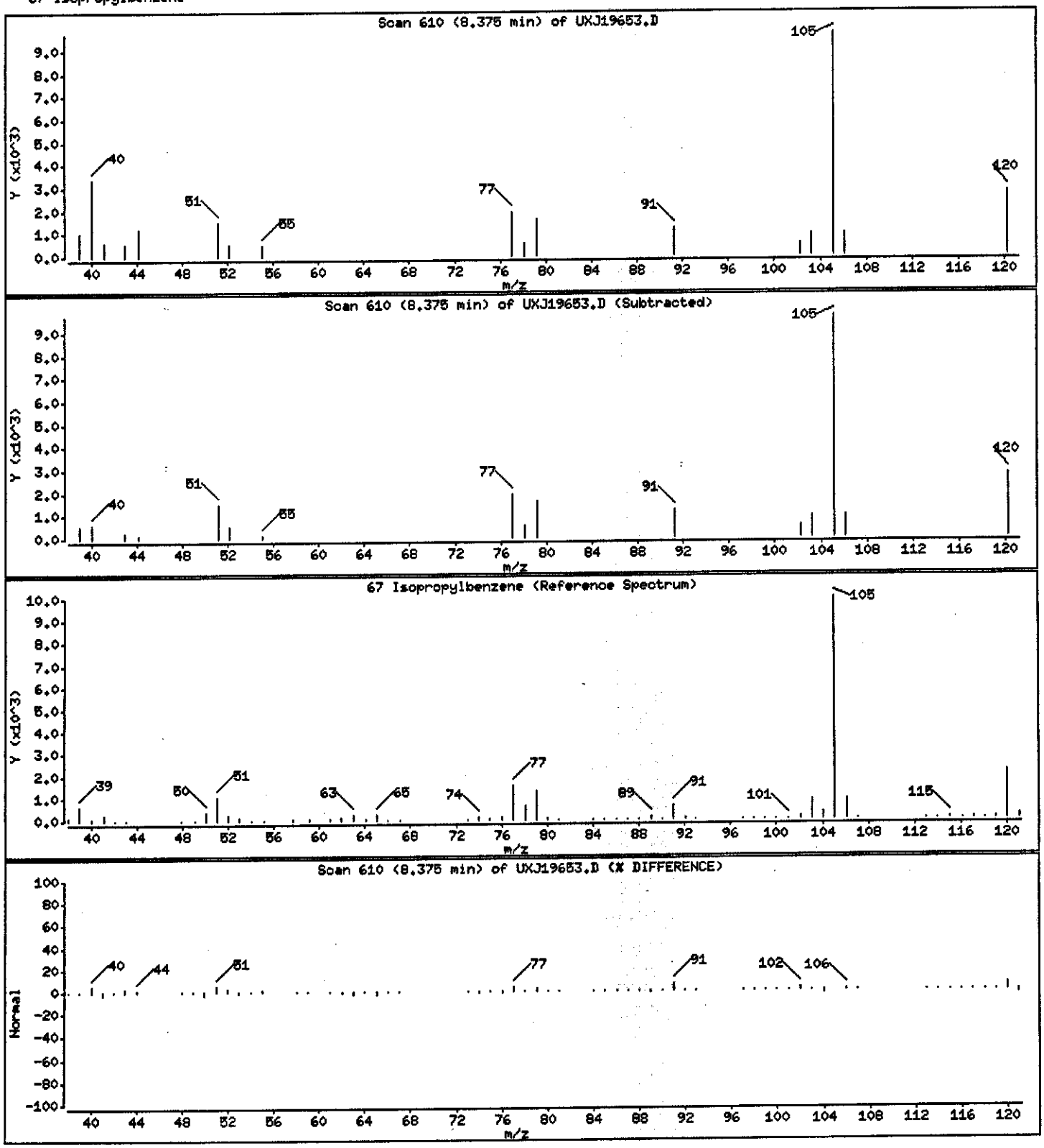
Client ID: MW-23/033104 Instrument: a3ux11.i

Sample Info: GDDMN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

67 Isopropylbenzene Concentration: 0.1616 ug/L



Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D

Date : 08-APR-2004 07:34

Client ID: MW-23/033104

Instrument: a3ux11.i

Sample Info: GDDMN1AA,5ML/5ML

Purge Volume: 5.0

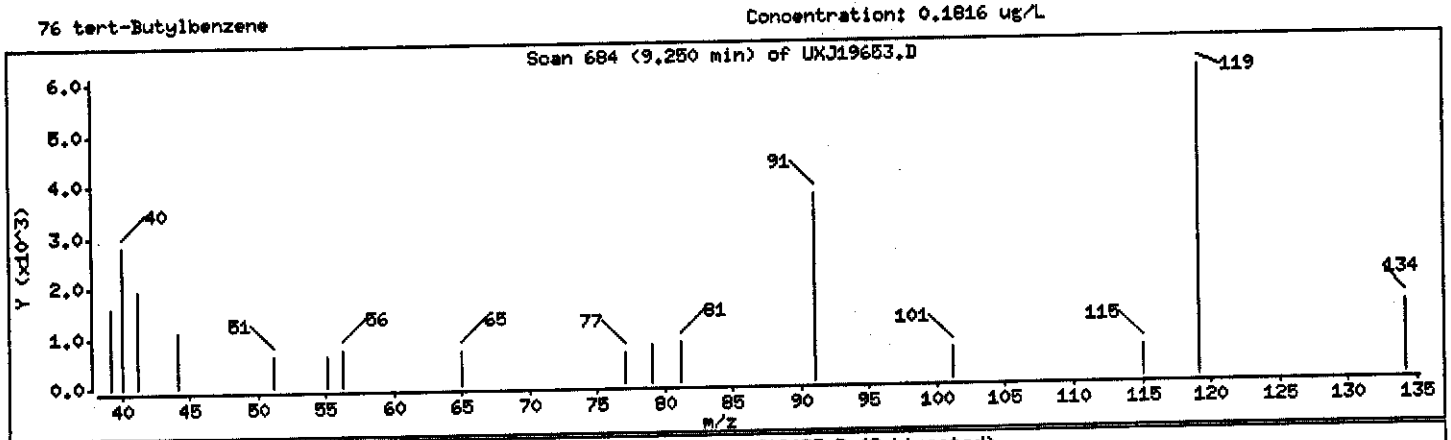
Operator: 43582

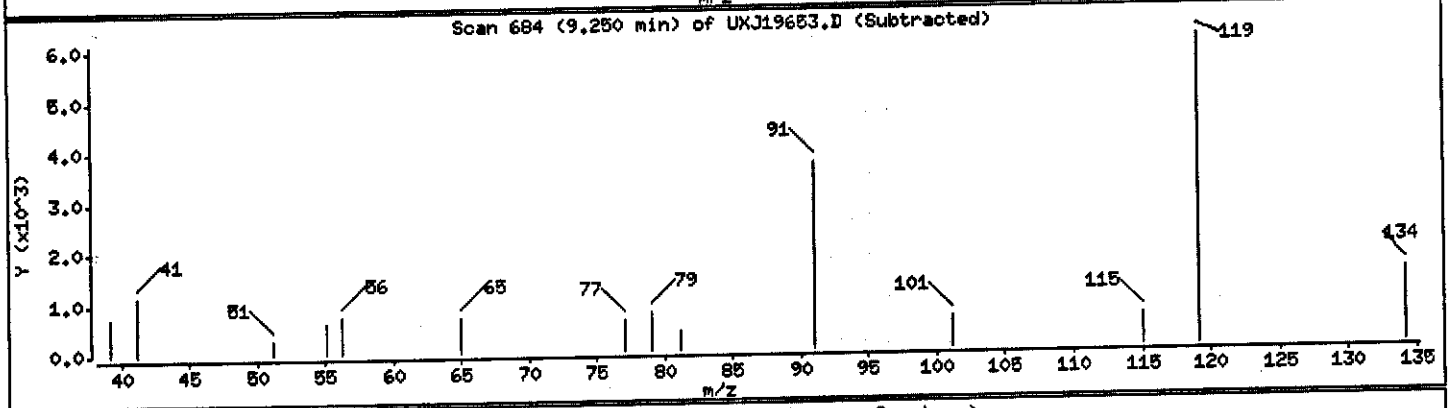
Column phase: DB624

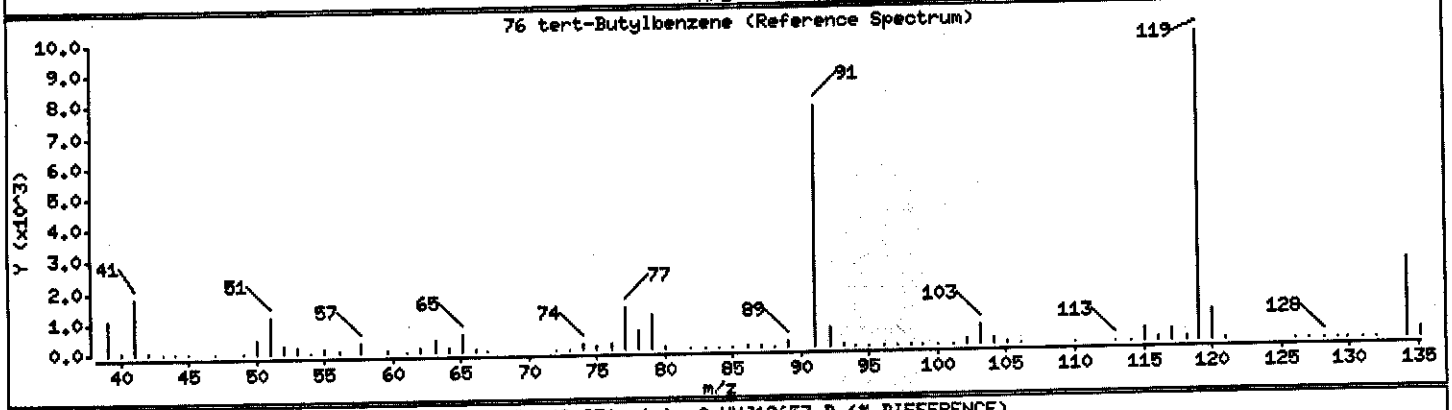
Column diameter: 0.18

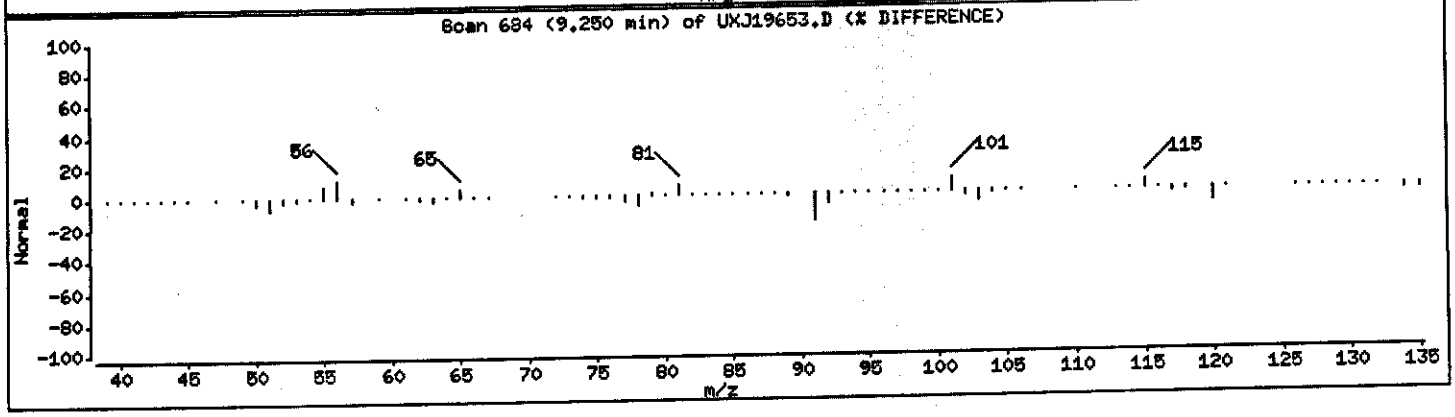
76 tert-Butylbenzene

Concentration: 0.1816 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D

Date : 08-APR-2004 07:34

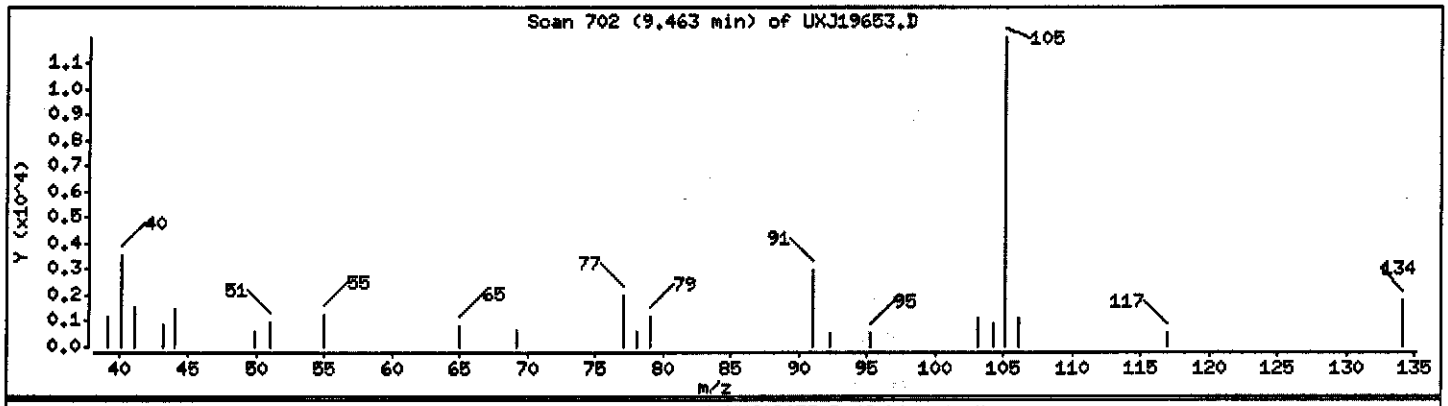
Client ID: MW-23/033104 Instrument: a3ux11.i

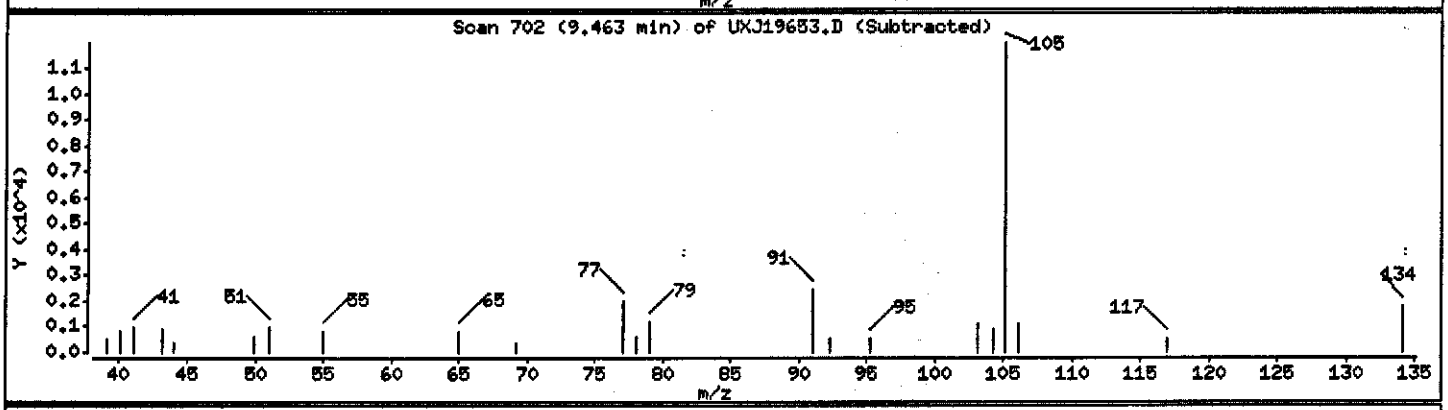
Sample Info: CDDMN1AA,5ML/5ML

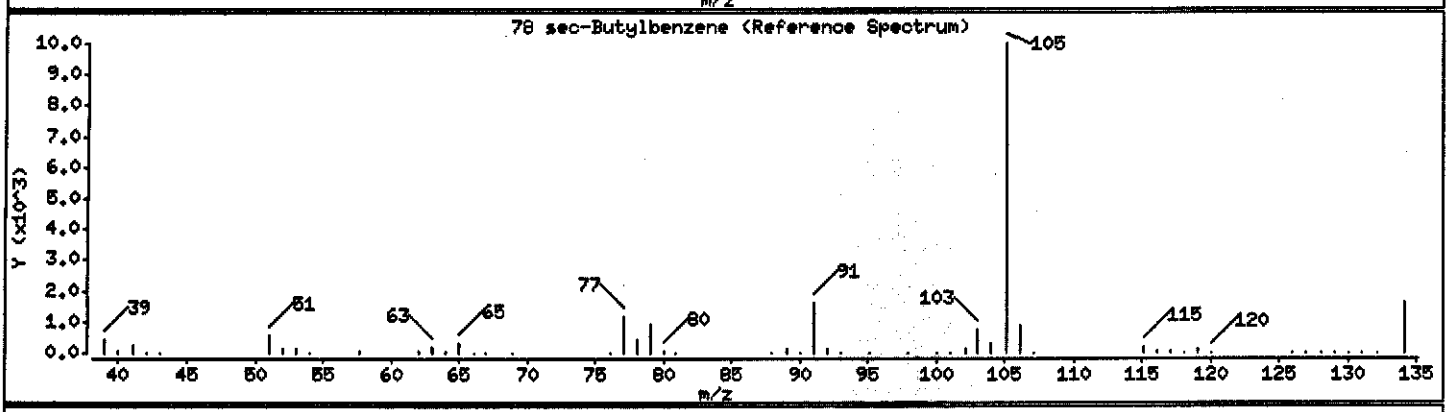
Purge Volume: 5.0 Operator: 43582

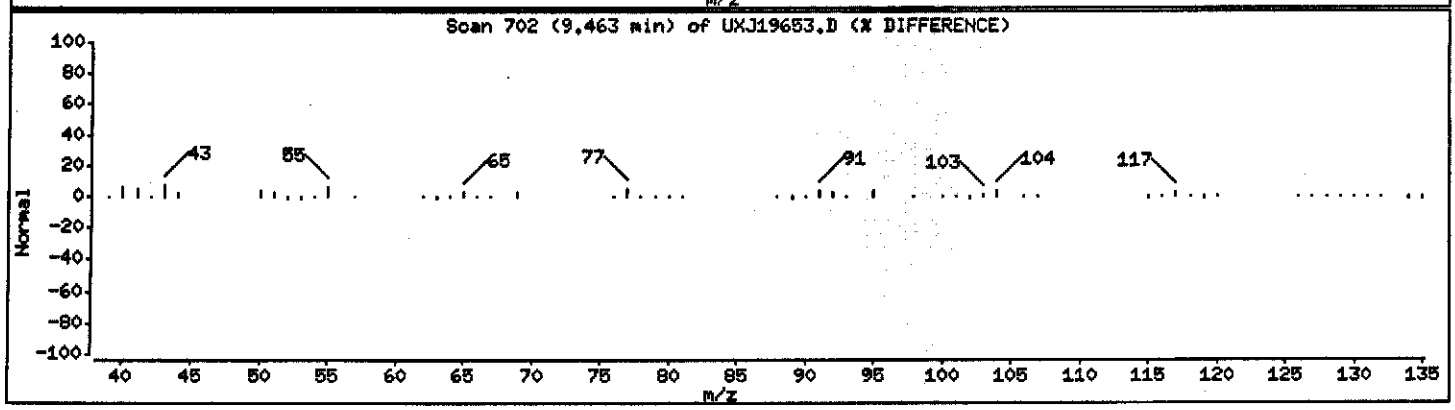
Column phase: DB624 Column diameter: 0.18

78 sec-Butylbenzene Concentration: 0.2764 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D

Date : 08-APR-2004 07:34

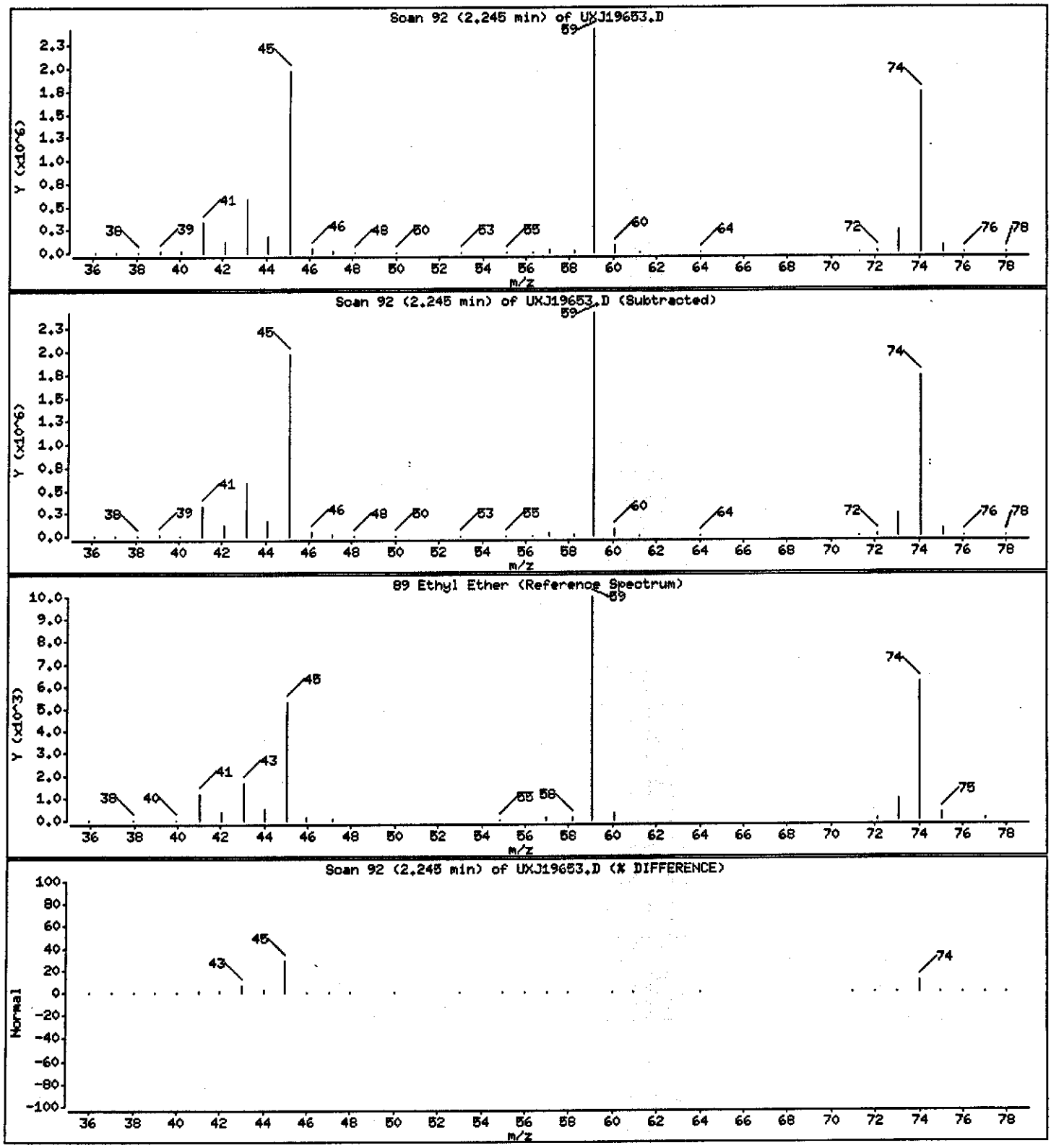
Client ID: MW-23/033104 Instrument: a3ux11.i

Sample Info: CDDMN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 171.10 ug/L



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Date : 08-APR-2004 07:34

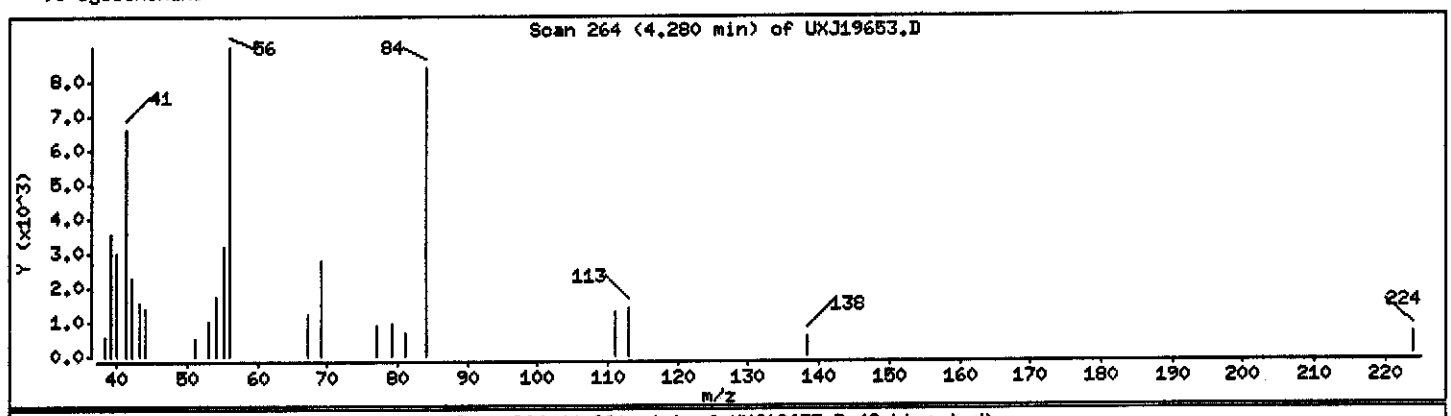
Client ID: MW-23/033104 Instrument: a3ux11.i

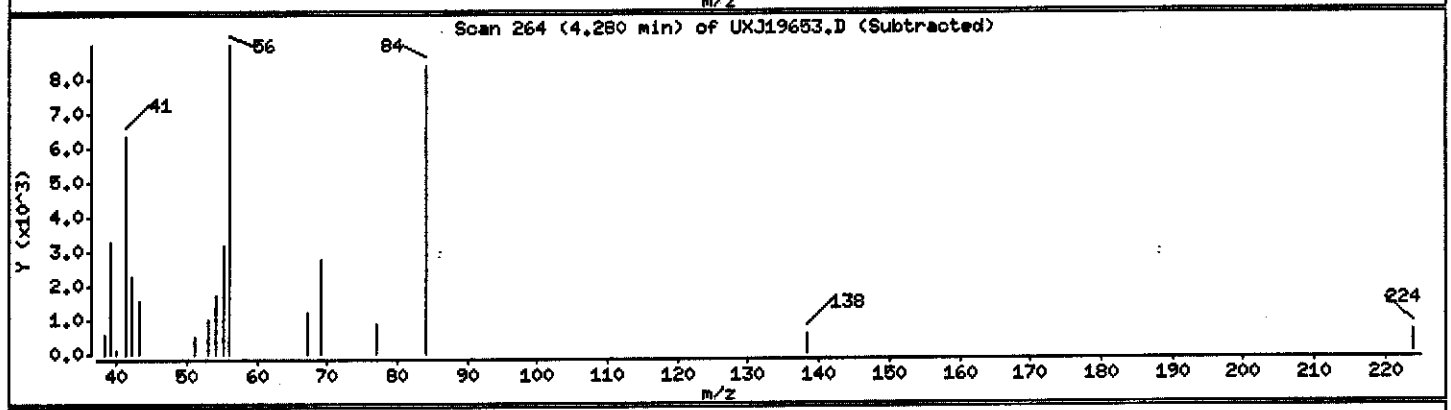
Sample Info: GDDMN1AA,5ML/5ML

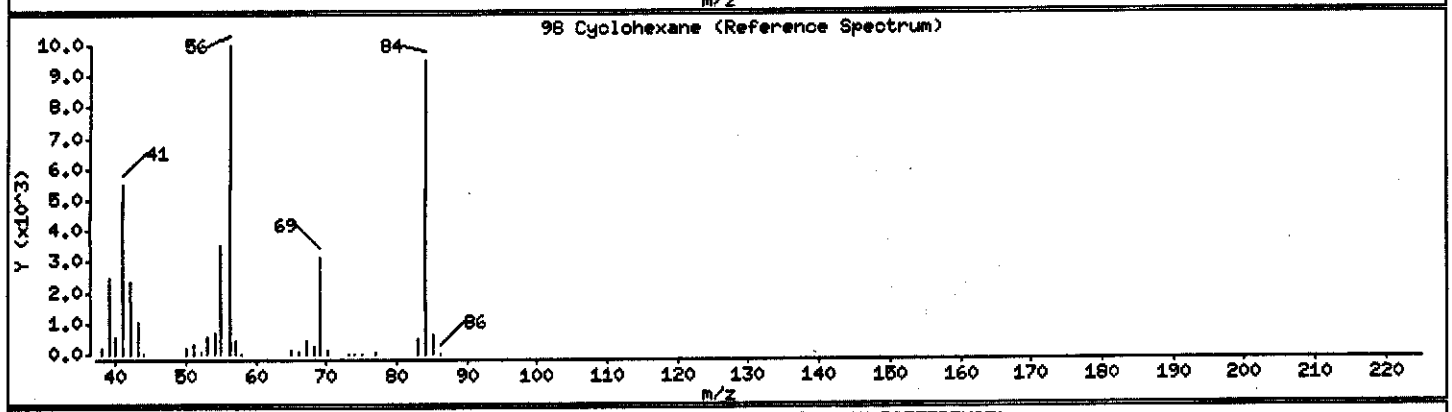
Purge Volume: 5.0 Operator: 43582

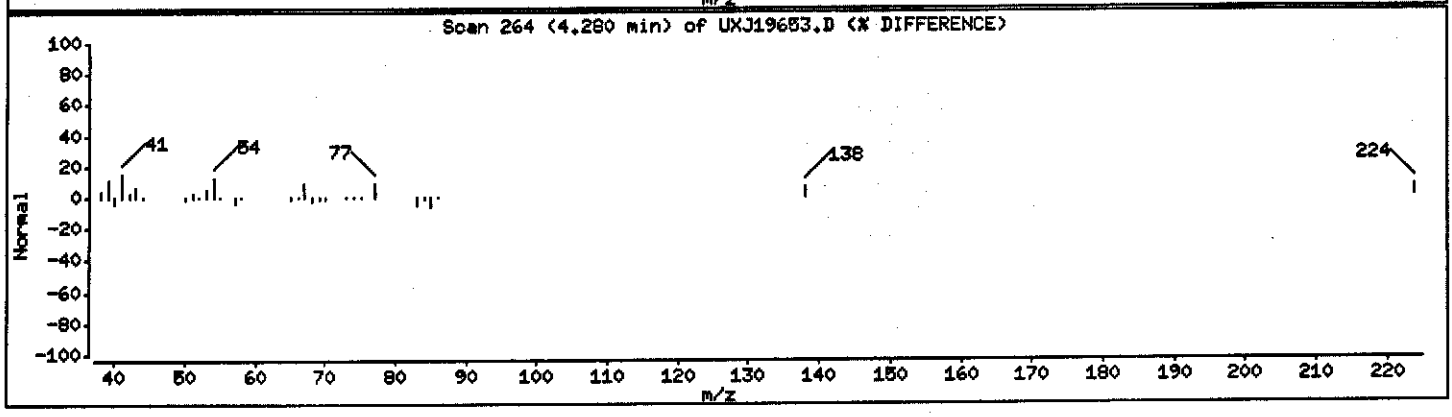
Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 0.4752 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19653.D

Date : 08-APR-2004 07:34

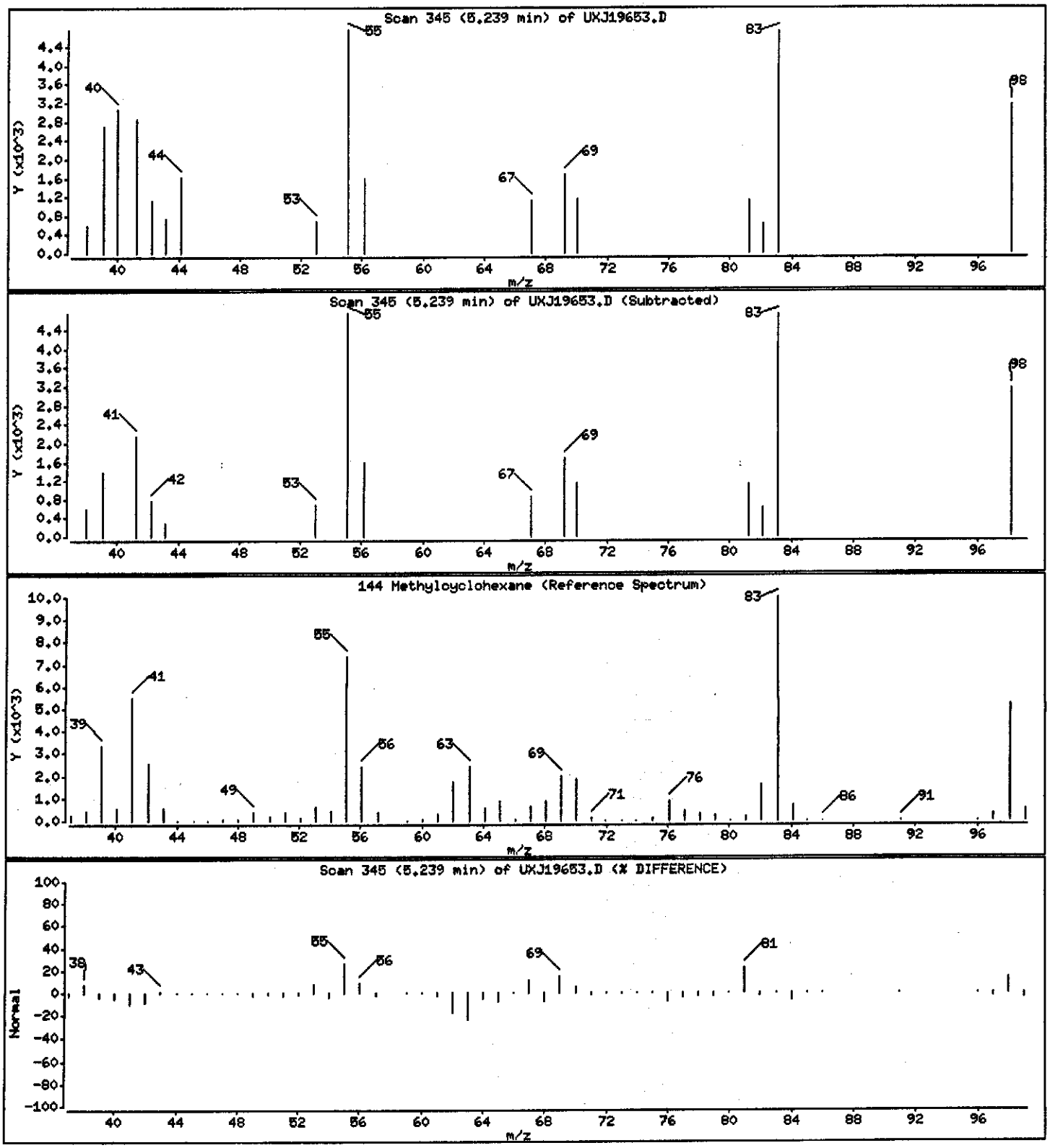
Client ID: MW-23/033104 Instrument: a3ux11.i

Sample Info: GDDMN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 0.1906 ug/L



STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
Start Cal Date: 12-MAR-2004 11:13
End Cal Date : 15-MAR-2004 10:09
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
15-MAR-2004 08:10	3-IX	UX74138.D
12-MAR-2004 11:13	1-8260	UX74110.D
Cal Level: 2 , Cal Amount: 10.000		
15-MAR-2004 08:34	3-IX	UX74139.D
12-MAR-2004 11:37	1-8260	UX74111.D
Cal Level: 3 , Cal Amount: 25.000		
15-MAR-2004 08:58	3-IX	UX74140.D
12-MAR-2004 12:01	1-8260	UX74112.D
Cal Level: 4 , Cal Amount: 50.000		
15-MAR-2004 09:21	3-IX	UX74141.D
12-MAR-2004 12:24	1-8260	UX74113.D
Cal Level: 5 , Cal Amount: 100.00		
15-MAR-2004 09:45	3-IX	UX74142.D
12-MAR-2004 12:48	1-8260	UX74114.D
Cal Level: 6 , Cal Amount: 200.00		
15-MAR-2004 10:09	3-IX	UX74143.D
12-MAR-2004 13:11	1-8260	UX74115.D

Continuing Calibration

~~15-MAR-2004 10:39~~	~~1-8260~~	~~UX74144.D~~ CMR 3-17-04
15-MAR-2004 09:21	3-IX	UX74141.D

Report Date : 15-Mar-2004 10:41

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2004 11:13
End Cal Date : 15-MAR-2004 10:09
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
Cal Date : 15-Mar-2004 10:37 tapsvc
Curve Type : Average

Calibration File Names:
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Level 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74139.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74140.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74141.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74142.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74143.D

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
8 Dichlorodifluoromethane	0.22528	0.20551	0.22339	0.24589	0.24031	0.25071	0.23185	7.301
9 Chloromethane	0.37336	0.31184	0.31784	0.30442	0.30642	0.32543	0.32322	7.964
10 Vinyl Chloride	0.28938	0.27583	0.29606	0.29598	0.28284	0.30331	0.29057	3.442
11 Bromomethane	0.27316	0.22374	0.20977	0.22287	0.20337	0.22711	0.22667	10.830
12 Chloroethane	0.20763	0.19579	0.19459	0.20010	0.18312	0.19820	0.19657	4.089
13 Trichlorofluoromethane	0.32752	0.31319	0.34143	0.38805	0.28841	0.40551	0.34402	13.027
14 Dichlorofluoromethane	0.44779	0.47542	0.44490	0.40773	0.50014	0.48521	0.46020	7.268
15 Acrolein	0.03888	0.03605	0.03551	0.03778	0.03237	0.03263	0.03554	7.434
16 Acetone	0.13575	0.08250	0.09895	0.10921	0.10078	0.09696	0.10403	17.102
17 1,1-Dichloroethene	0.25272	0.20861	0.21466	0.24641	0.19484	0.22007	0.22288	10.052
18 Freon-113	0.13966	0.12555	0.13956	0.18892	0.15012	0.17021	0.15234	15.266
19 Iodomethane	0.40304	0.38795	0.37106	0.41624	0.33428	0.37655	0.38152	7.483
20 Carbon Disulfide	0.76453	0.74280	0.72613	0.84352	0.67479	0.76940	0.75353	7.398
21 Methylene Chloride	0.30656	0.26660	0.24279	0.26905	0.21578	0.23874	0.25659	12.234
22 Acetonitrile	0.03044	0.02596	0.02574	0.02673	0.02303	0.02475	0.02611	9.473
23 Acrylonitrile	0.09098	0.07670	0.07945	0.08469	0.07728	0.07771	0.08114	6.946
24 Methyl tert-butyl ether	0.80529	0.72314	0.70381	0.77496	0.66305	0.71156	0.73030	7.047
25 trans-1,2-Dichloroethene	0.25756	0.26182	0.24534	0.27649	0.22061	0.25187	0.25228	7.429
26 Hexane	0.05416	0.04041	0.03692	0.04738	0.03702	0.04164	0.04292	15.624
27 Vinyl acetate	0.45286	0.42772	0.40796	0.45497	0.39796	0.41332	0.42580	5.593
28 1,1-Dichloroethane	0.40361	0.40622	0.38072	0.43614	0.34741	0.39327	0.39456	7.486
29 tert-Butyl Alcohol	0.02092	0.01618	0.01756	0.01728	0.01727	0.01571	0.01749	10.456
30 2-Butanone	0.15586	0.11622	0.12650	0.13309	0.12479	0.11986	0.12939	10.974
M 31 1,2-Dichloroethene (total)	0.27171	0.26480	0.25235	0.28192	0.22618	0.25747	0.25907	7.413
32 cis-1,2-dichloroethene	0.28586	0.26778	0.25935	0.28735	0.23175	0.26306	0.26586	7.670

Report Date : 15-Mar-2004 10:41

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2004 11:13
End Cal Date : 15-MAR-2004 10:09
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
Cal Date : 15-Mar-2004 10:37 tapsvc
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	33 2,2-Dichloropropane	0.36655	0.34065	0.31393	0.36119	0.29046	0.32771	0.33342	8.670	
	34 Bromochloromethane	0.13320	0.12541	0.12381	0.14365	0.11674	0.12945	0.12871	7.139	
	35 Chloroform	0.41582	0.41039	0.39320	0.43483	0.35270	0.39795	0.40081	6.928	
	36 Tetrahydrofuran	0.15731	0.10713	0.07217	0.06421	0.06147	0.05801	0.08672	44.899	
	37 1,1,1-Trichloroethane	0.36789	0.37342	0.36164	0.40242	0.32623	0.36947	0.36684	6.670	
	38 1,1-Dichloropropene	0.29721	0.29097	0.28378	0.33510	0.26773	0.30179	0.29610	7.608	
	39 Carbon Tetrachloride	0.31785	0.28801	0.29319	0.34805	0.27561	0.31595	0.30644	8.531	
	40 1,2-Dichloroethane	0.31806	0.30386	0.28978	0.32428	0.26926	0.29808	0.30055	6.624	
	41 Benzene	1.15408	1.03966	0.95979	1.07550	0.86982	0.99312	1.01533	9.672	
	42 Trichloroethene	0.27333	0.26153	0.25616	0.29349	0.23481	0.26713	0.26441	7.344	
	43 1,2-Dichloropropane	0.24298	0.23594	0.22299	0.25123	0.20412	0.22772	0.23083	7.183	
	44 1,4-Dioxane	0.00197	0.00165	0.00173	0.00185	0.00179	0.00172	0.00179	6.283	<-
	45 Dibromomethane	0.13493	0.14171	0.13322	0.14900	0.12560	0.13524	0.13662	5.828	
	46 Bromodichloromethane	0.31498	0.30208	0.28986	0.33644	0.27312	0.30647	0.30383	7.114	
	47 2-Chloroethyl vinyl ether	0.15670	0.14573	0.14998	0.16425	0.14314	0.14890	0.15145	5.130	
	48 cis-1,3-Dichloropropene	0.41425	0.39168	0.37973	0.43085	0.35657	0.39684	0.39499	6.583	
	49 4-Methyl-2-pentanone	0.23204	0.19875	0.21829	0.23656	0.21762	0.21541	0.21978	6.105	
	50 Toluene	1.47754	1.39226	1.33931	1.50929	1.24215	1.42032	1.39681	6.939	
	51 trans-1,3-Dichloropropene	0.45751	0.45414	0.45087	0.51048	0.43364	0.47182	0.46308	5.672	
	52 Ethyl Methacrylate	0.44390	0.42088	0.41271	0.45264	0.40621	0.41680	0.42553	4.343	
	53 1,1,2-Trichloroethane	0.28434	0.28761	0.26711	0.29704	0.25364	0.27122	0.27683	5.699	
	54 1,3-Dichloropropane	0.49626	0.47084	0.46061	0.51618	0.44051	0.48042	0.47747	5.584	
	55 Tetrachloroethene	0.26587	0.24169	0.22856	0.27449	0.22213	0.24867	0.24690	8.303	
	56 2-Hexanone	0.23362	0.18700	0.22591	0.24996	0.23581	0.22544	0.22629	9.372	
	57 Dibromochloromethane	0.34563	0.32074	0.30547	0.35468	0.29733	0.32396	0.32463	6.849	
	58 1,2-Dibromoethane	0.30213	0.27857	0.27675	0.31038	0.26764	0.27955	0.28584	5.799	
	59 Chlorobenzene	0.91597	0.85071	0.83193	0.95899	0.78557	0.88611	0.87155	7.115	
	60 1,1,1,2-Tetrachloroethane	0.34386	0.33222	0.31252	0.35564	0.29457	0.32861	0.32790	6.669	
	61 Ethylbenzene	0.47194	0.42126	0.43096	0.49815	0.40921	0.45832	0.44831	7.534	
	62 m + p-Xylene	0.54109	0.51475	0.52281	0.60687	0.49714	0.57164	0.54238	7.471	
M	63 Xylenes (total)	0.54187	0.52062	0.51807	0.60583	0.49730	0.56901	0.54212	7.300	
	64 Xylene-o	0.54343	0.53238	0.50858	0.60374	0.49761	0.56375	0.54158	7.135	
	65 Styrene	0.96822	0.92756	0.91382	1.08375	0.88537	1.01918	0.96632	7.661	

Report Date : 15-Mar-2004 10:41

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2004 11:13
End Cal Date : 15-MAR-2004 10:09
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
Cal Date : 15-Mar-2004 10:37 tapsvc
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
66 Bromoform	0.22577	0.22017	0.21211	0.23729	0.21109	0.22568	0.22202	4.422	
67 Isopropylbenzene	1.08929	1.04212	1.04509	1.23209	1.00531	1.16062	1.09575	7.793	
68 1,1,2,2-Tetrachloroethane	0.77559	0.72859	0.70501	0.78446	0.66740	0.68173	0.72380	6.680	
69 1,4-Dichloro-2-butene	0.26357	0.23166	0.21170	0.23819	0.20228	0.20808	0.22591	10.247	
70 1,2,3-Trichloropropane	0.26478	0.25266	0.24556	0.27374	0.23338	0.23230	0.25040	6.677	
71 Bromobenzene	0.86921	0.79825	0.78082	0.89497	0.71619	0.80023	0.80995	7.927	
72 n-Propylbenzene	0.76356	0.64319	0.65264	0.78183	0.61527	0.68809	0.69076	9.822	
73 2-Chlorotoluene	0.70081	0.65113	0.62458	0.73107	0.57968	0.64854	0.65597	8.219	
74 1,3,5-Trimethylbenzene	2.10872	1.91560	1.88769	2.29378	1.81508	2.08837	2.01821	8.805	
75 4-Chlorotoluene	0.71200	0.66554	0.65454	0.77442	0.62239	0.68888	0.68629	7.698	
76 tert-Butylbenzene	1.85932	1.63324	1.61823	1.95596	1.51872	1.78719	1.72878	9.594	
77 1,2,4-Trimethylbenzene	2.25157	2.06963	2.01453	2.39119	1.88805	2.16733	2.13039	8.395	
78 sec-Butylbenzene	2.31630	2.11237	2.13920	2.63730	2.03377	2.38672	2.27094	9.816	
79 4-Isopropyltoluene	2.04665	1.76519	1.85284	2.27150	1.75936	2.06718	1.96045	10.346	
80 1,3-Dichlorobenzene	1.37674	1.24753	1.23798	1.43251	1.15569	1.29467	1.29085	7.778	
81 1,4-Dichlorobenzene	1.42086	1.34176	1.30854	1.50855	1.20890	1.36254	1.35853	7.476	
82 n-Butylbenzene	1.76418	1.51193	1.51917	1.93392	1.48078	1.75609	1.66101	11.068	
83 1,2-Dichlorobenzene	1.37561	1.32538	1.27293	1.46302	1.18214	1.31794	1.32284	7.152	
84 1,2-Dibromo-3-chloropropane	0.18652	0.17530	0.17839	0.19365	0.16841	0.16997	0.17871	5.474	
85 1,2,4-Trichlorobenzene	0.88035	0.74322	0.75516	0.92136	0.71480	0.82234	0.80620	10.220	
86 Hexachlorobutadiene	0.54130	0.36002	0.34767	0.42627	0.32572	0.38394	0.39749	19.723	
87 Naphthalene	2.39889	2.20210	2.24002	2.51796	2.20035	2.29675	2.30935	5.473	
88 1,2,3-Trichlorobenzene	0.75601	0.72517	0.70636	0.83108	0.66711	0.74689	0.73877	7.477	
89 Ethyl Ether	0.16629	0.17934	0.17136	0.16341	0.19184	0.18640	0.17644	6.430	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.18642	0.10797	0.10408	0.09925	0.11851	0.11540	0.12194	26.553	
92 Isopropyl Ether	0.19332	0.21319	0.20932	0.19035	0.22718	0.22435	0.20962	7.314	
93 2-Chloro-1,3-butadiene	0.23419	0.29116	0.28938	0.27296	0.32954	0.33041	0.29127	12.467	
94 Propionitrile	0.02763	0.02802	0.02601	0.02780	0.02974	0.02968	0.02815	4.987	
95 Ethyl Acetate	0.20866	0.12824	0.12562	0.13939	0.16333	0.17063	0.15598	20.296	
96 Methacrylonitrile	0.14409	0.13653	0.12203	0.12554	0.13649	0.12847	0.13219	6.241	
97 Isobutanol	0.00319	0.00277	0.00268	0.00376	0.00387	0.00430	0.00343	18.940	<-
98 Cyclohexane	0.30868	0.26716	0.27660	0.35859	0.27474	0.31556	0.30022	11.552	

Report Date : 15-Mar-2004 10:41

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2004 11:13
End Cal Date : 15-MAR-2004 10:09
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
Cal Date : 15-Mar-2004 10:37 tapsvc
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	99 n-Butanol	0.00100	0.00134	0.00130	0.00174	0.00224	0.00296	0.00176	41.128	<-
	100 Methyl Methacrylate	0.09142	0.10445	0.10477	0.11047	0.14720	0.16156	0.11998	23.125	
	101 2-Nitropropane	0.02332	0.02346	0.01928	0.02366	0.02162	0.02508	0.02274	8.885	
	102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	103 Cyclohexanone	0.01233	0.01823	0.01676	0.02069	0.02246	0.02276	0.01887	21.062	
	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	0.87897	0.80969	0.78097	0.96877	0.74614	0.85621	0.84012	9.459	
	143 Methyl Acetate	0.18767	0.15901	0.16147	0.16771	0.15210	0.15290	0.16348	8.061	
	144 Methylcyclohexane	0.25030	0.22006	0.22684	0.30487	0.23692	0.27480	0.25230	12.781	
	145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	146 2-Methylnaphthalene	0.59952	0.74076	0.53053	0.91595	1.03873	0.98089	0.80106	26.154	
$	4 Dibromofluoromethane	0.23042	0.21200	0.21290	0.24148	0.18625	0.21351	0.21609	8.717	
$	5 1,2-Dichloroethane-d4	0.27383	0.26106	0.24749	0.28221	0.22428	0.24931	0.25636	8.094	
$	6 Toluene-d8	1.18814	1.08397	1.07584	1.24974	0.97126	1.14674	1.11928	8.714	
$	7 Bromofluorobenzene	0.44398	0.37815	0.38285	0.44380	0.34881	0.39641	0.39900	9.544	

port Date : 15-Mar-2004 10:54

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 12-MAR-2004 11:13
d Cal Date : 15-MAR-2004 10:09
ant Method : ISTD
rget Version : 4.04
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
l Date : 15-Mar-2004 10:54 roachc

libration File Names:
vel 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74138.D
vel 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74139.D
vel 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74140.D
vel 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74141.D
vel 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74142.D
vel 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74143.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	0.22528	0.20551	0.22339	0.24589	0.24031	0.25071	AVRG		0.23185		7.30109
9 Chloromethane	0.37336	0.31184	0.31784	0.30442	0.30642	0.32543	AVRG		0.32322		7.96436
10 Vinyl Chloride	0.28938	0.27583	0.29606	0.29598	0.28284	0.30331	AVRG		0.29057		3.44207
11 Bromomethane	0.27316	0.22374	0.20977	0.22287	0.20337	0.22711	AVRG		0.22667		10.82997
12 Chloroethane	0.20763	0.19579	0.19459	0.20010	0.18312	0.19820	AVRG		0.19657		4.08875
13 Trichlorofluoromethane	0.32752	0.31319	0.34143	0.38805	0.28841	0.40551	AVRG		0.34402		13.02681
14 Dichlorofluoromethane	0.44779	0.47542	0.44490	0.40773	0.50014	0.48521	AVRG		0.46020		7.26844
15 Acrolein	0.03888	0.03605	0.03551	0.03778	0.03237	0.03263	AVRG		0.03554		7.43407
16 Acetone	29699	34929	105845	229772	432684	810931	QUAD	0.02618	9.13791	1.48279	0.99944

port Date : 15-Mar-2004 10:54

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 12-MAR-2004 11:13
ıd Cal Date : 15-MAR-2004 10:09
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
ıl Date : 15-Mar-2004 10:54 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
17 1,1-Dichloroethene	0.25272	0.20861	0.21466	0.24641	0.19484	0.22007	AVRG		0.22288		10.05151
18 Freon-113	15277	26577	74640	198748	322275	711741	QUAD	0.01350	6.38672	-0.75413	0.99472
19 Iodomethane	0.40304	0.38795	0.37106	0.41624	0.33428	0.37655	AVRG		0.38152		7.48341
20 Carbon Disulfide	0.76453	0.74280	0.72613	0.84352	0.67479	0.76940	AVRG		0.75353		7.39776
21 Methylene Chloride	0.30656	0.26660	0.24279	0.26905	0.21578	0.23874	AVRG		0.25659		12.23402
22 Acetonitrile	0.03044	0.02596	0.02574	0.02673	0.02303	0.02475	AVRG		0.02611		9.47314
23 Acrylonitrile	0.09098	0.07670	0.07945	0.08469	0.07728	0.07771	AVRG		0.08114		6.94641
24 Methyl tert-butyl ether	0.80529	0.72314	0.70381	0.77496	0.66305	0.71156	AVRG		0.73030		7.04747
25 trans-1,2-Dichloroethene	0.25756	0.26182	0.24534	0.27649	0.22061	0.25187	AVRG		0.25228		7.42941
26 Hexane	5924	8555	19747	49842	79465	174104	QUAD	-0.04019	26.79658	-14.80521	0.99456
27 Vinyl acetate	0.45286	0.42772	0.40796	0.45497	0.39796	0.41332	AVRG		0.42580		5.59306
28 1,1-Dichloroethane	0.40361	0.40622	0.38072	0.43614	0.34741	0.39327	AVRG		0.39456		7.48630
29 tert-Butyl Alcohol	0.02092	0.01618	0.01756	0.01728	0.01727	0.01571	AVRG		0.01749		10.45600
30 2-Butanone	0.15586	0.11622	0.12650	0.13309	0.12479	0.11986	AVRG		0.12939		10.97445
1 31 1,2-Dichloroethene (total)	0.27171	0.26480	0.25235	0.28192	0.22618	0.25747	AVRG		0.25907		7.41336
32 cis-1,2-dichloroethene	0.28586	0.26778	0.25935	0.28735	0.23175	0.26306	AVRG		0.26586		7.67025
33 2,2-Dichloropropane	0.36655	0.34065	0.31393	0.36119	0.29046	0.32771	AVRG		0.33342		8.67047

port Date : 15-Mar-2004 10:54

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 12-MAR-2004 11:13
d Cal Date : 15-MAR-2004 10:09
ant Method : ISTD
rget Version : 4.04
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
l Date : 15-Mar-2004 10:54 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.13320	0.12541	0.12381	0.14365	0.11674	0.12945	AVRG		0.12871		7.13884	
35 Chloroform	0.41582	0.41039	0.39320	0.43483	0.35270	0.39795	AVRG		0.40081		6.92768	
36 Tetrahydrofuran	17208	22678	38599	67545	131965	242570	QUAD	-0.16323	17.64839	1.18148	0.99979	
37 1,1,1-Trichloroethane	0.36789	0.37342	0.36164	0.40242	0.32623	0.36947	AVRG		0.36684		6.67003	
38 1,1-Dichloropropene	0.29721	0.29097	0.28378	0.33510	0.26773	0.30179	AVRG		0.29610		7.60822	
39 Carbon Tetrachloride	0.31785	0.28801	0.29319	0.34805	0.27561	0.31595	AVRG		0.30644		8.53146	
40 1,2-Dichloroethane	0.31806	0.30386	0.28978	0.32428	0.26926	0.29808	AVRG		0.30055		6.62411	
41 Benzene	1.15408	1.03966	0.95979	1.07550	0.86982	0.99312	AVRG		1.01533		9.67159	
42 Trichloroethene	0.27333	0.26153	0.25616	0.29349	0.23481	0.26713	AVRG		0.26441		7.34355	
43 1,2-Dichloropropane	0.24298	0.23594	0.22299	0.25123	0.20412	0.22772	AVRG		0.23083		7.18331	
44 1,4-Dioxane	0.00197	0.00165	0.00173	0.00185	0.00179	0.00172	AVRG		0.00179		6.28280	<-
45 Dibromomethane	0.13493	0.14171	0.13322	0.14900	0.12560	0.13524	AVRG		0.13662		5.82781	
46 Bromodichloromethane	0.31498	0.30208	0.28986	0.33644	0.27312	0.30647	AVRG		0.30383		7.11404	
47 2-Chloroethyl vinyl ether	0.15670	0.14573	0.14998	0.16425	0.14314	0.14890	AVRG		0.15145		5.12976	
48 cis-1,3-Dichloropropene	0.41425	0.39168	0.37973	0.43085	0.35657	0.39684	AVRG		0.39499		6.58301	
49 4-Methyl-2-pentanone	0.23204	0.19875	0.21829	0.23656	0.21762	0.21541	AVRG		0.21978		6.10498	
50 Toluene	1.47754	1.39226	1.33931	1.50929	1.24215	1.42032	AVRG		1.39681		6.93852	

port Date : 15-Mar-2004 10:54

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 12-MAR-2004 11:13
d Cal Date : 15-MAR-2004 10:09
ant Method : ISTD
rget Version : 4.04
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
l Date : 15-Mar-2004 10:54 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
51 trans-1,3-Dichloropropene	0.45751	0.45414	0.45087	0.51048	0.43364	0.47182	AVRG		0.46308		5.67226
52 Ethyl Methacrylate	0.44390	0.42088	0.41271	0.45264	0.40621	0.41680	AVRG		0.42553		4.34273
53 1,1,2-Trichloroethane	0.28434	0.28761	0.26711	0.29704	0.25364	0.27122	AVRG		0.27683		5.69927
54 1,3-Dichloropropane	0.49626	0.47084	0.46061	0.51618	0.44051	0.48042	AVRG		0.47747		5.58414
55 Tetrachloroethene	0.26587	0.24169	0.22856	0.27449	0.22213	0.24867	AVRG		0.24690		8.30289
56 2-Hexanone	0.23362	0.18700	0.22591	0.24996	0.23581	0.22544	AVRG		0.22629		9.37228
57 Dibromochloromethane	0.34563	0.32074	0.30547	0.35468	0.29733	0.32396	AVRG		0.32463		6.84894
58 1,2-Dibromoethane	0.30213	0.27857	0.27675	0.31038	0.26764	0.27955	AVRG		0.28584		5.79941
59 Chlorobenzene	0.91597	0.85071	0.83193	0.95899	0.78557	0.88611	AVRG		0.87155		7.11509
60 1,1,1,2-Tetrachloroethane	0.34386	0.33222	0.31252	0.35564	0.29457	0.32861	AVRG		0.32790		6.66877
61 Ethylbenzene	0.47194	0.42126	0.43096	0.49815	0.40921	0.45832	AVRG		0.44831		7.53447
62 m + p-Xylene	0.54109	0.51475	0.52281	0.60687	0.49714	0.57164	AVRG		0.54238		7.47084
63 Xylenes (total)	0.54187	0.52062	0.51807	0.60583	0.49730	0.56901	AVRG		0.54212		7.30017
64 Xylene-o	0.54343	0.53238	0.50858	0.60374	0.49761	0.56375	AVRG		0.54158		7.13486
65 Styrene	0.96822	0.92756	0.91382	1.08375	0.88537	1.01918	AVRG		0.96632		7.66063
66 Bromoform	0.22577	0.22017	0.21211	0.23729	0.21109	0.22568	AVRG		0.22202		4.42239
67 Isopropylbenzene	1.08929	1.04212	1.04509	1.23209	1.00531	1.16062	AVRG		1.09575		7.79311

port Date : 15-Mar-2004 10:54

STL North Canton

INITIAL CALIBRATION DATA

.art Cal Date : 12-MAR-2004 11:13
ıd Cal Date : 15-MAR-2004 10:09
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
ıthod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
ıl Date : 15-Mar-2004 10:54 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.77559	0.72859	0.70501	0.78446	0.66740	0.68173	AVRG		0.72380		6.67982
69 1,4-Dichloro-2-butene	0.26357	0.23166	0.21170	0.23819	0.20228	0.20808	AVRG		0.22591		10.24746
70 1,2,3-Trichloropropane	0.26478	0.25266	0.24556	0.27374	0.23338	0.23230	AVRG		0.25040		6.67688
71 Bromobenzene	0.86921	0.79825	0.78082	0.89497	0.71619	0.80023	AVRG		0.80995		7.92675
72 n-Propylbenzene	0.76356	0.64319	0.65264	0.78183	0.61527	0.68809	AVRG		0.69076		9.82163
73 2-Chlorotoluene	0.70081	0.65113	0.62458	0.73107	0.57968	0.64854	AVRG		0.65597		8.21903
74 1,3,5-Trimethylbenzene	2.10872	1.91560	1.88769	2.29378	1.81508	2.08837	AVRG		2.01821		8.80464
75 4-Chlorotoluene	0.71200	0.66554	0.65454	0.77442	0.62239	0.68888	AVRG		0.68629		7.69825
76 tert-Butylbenzene	1.85932	1.63324	1.61823	1.95596	1.51872	1.78719	AVRG		1.72878		9.59363
77 1,2,4-Trimethylbenzene	2.25157	2.06963	2.01453	2.39119	1.88805	2.16733	AVRG		2.13039		8.39454
78 sec-Butylbenzene	2.31630	2.11237	2.13920	2.63730	2.03377	2.38672	AVRG		2.27094		9.81554
79 4-Isopropyltoluene	2.04665	1.76519	1.85284	2.27150	1.75936	2.06718	AVRG		1.96045		10.34641
80 1,3-Dichlorobenzene	1.37674	1.24753	1.23798	1.43251	1.15569	1.29467	AVRG		1.29085		7.77774
81 1,4-Dichlorobenzene	1.42086	1.34176	1.30854	1.50855	1.20890	1.36254	AVRG		1.35853		7.47597
82 n-Butylbenzene	1.76418	1.51193	1.51917	1.93392	1.48078	1.75609	AVRG		1.66101		11.06817
83 1,2-Dichlorobenzene	1.37561	1.32538	1.27293	1.46302	1.18214	1.31794	AVRG		1.32284		7.15187
84 1,2-Dibromo-3-chloropropane	0.18652	0.17530	0.17839	0.19365	0.16841	0.16997	AVRG		0.17871		5.47417

port Date : 15-Mar-2004 10:54

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 12-MAR-2004 11:13
ıd Cal Date : 15-MAR-2004 10:09
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
ıl Date : 15-Mar-2004 10:54 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	0.88035	0.74322	0.75516	0.92136	0.71480	0.82234	AVRG		0.80620		10.21999	
86 Hexachlorobutadiene	20022	26534	65740	158114	251498	587919	QUAD	-0.06645	3.13749	-0.31375	0.99347	
87 Naphthalene	2.39889	2.20210	2.24002	2.51796	2.20035	2.29675	AVRG		2.30935		5.47341	
88 1,2,3-Trichlorobenzene	0.75601	0.72517	0.70636	0.83108	0.66711	0.74689	AVRG		0.73877		7.47669	
89 Ethyl Ether	0.16629	0.17934	0.17136	0.16341	0.19184	0.18640	AVRG		0.17644		6.42999	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	+++++	0.10797	0.10408	0.09925	0.11851	0.11540	AVRG		0.10904		7.27354	
92 Isopropyl Ether	0.19332	0.21319	0.20932	0.19035	0.22718	0.22435	AVRG		0.20962		7.31359	
93 2-Chloro-1,3-butadiene	0.23419	0.29116	0.28938	0.27296	0.32954	0.33041	AVRG		0.29127		12.46710	
94 Propionitrile	0.02763	0.02802	0.02601	0.02780	0.02974	0.02968	AVRG		0.02815		4.98711	
95 Ethyl Acetate	48806	51493	123977	264863	610062	1271838	QUAD	0.07867	6.52442	-0.53844	0.99847	
96 Methacrylonitrile	0.14409	0.13653	0.12203	0.12554	0.13649	0.12847	AVRG		0.13219		6.24050	
97 Isobutanol	5565	8477	20533	54618	112385	247611	QUAD	1.22151	267	-110	0.99906	<-
98 Cyclohexane	0.30868	0.26716	0.27660	0.35859	0.27474	0.31556	AVRG		0.30022		11.55214	
99 n-Butanol	1740	4105	9974	25195	64955	170315	QUAD	2.19532	496	-710	0.99839	<-
100 Methyl Methacrylate	10691	20970	51701	104957	274913	602132	QUAD	0.08866	7.33291	-2.00869	0.99756	
101 2-Nitropropane	0.02332	0.02346	0.01928	0.02366	0.02162	0.02508	AVRG		0.02274		8.88451	

port Date : 15-Mar-2004 10:54

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 12-MAR-2004 11:13
d Cal Date : 15-MAR-2004 10:09
ant Method : ISTD
rget Version : 4.04
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
l Date : 15-Mar-2004 10:54 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	4960	12829	29443	69516	150340	305907	QUAD	0.71769	44.02783	-1.03851	0.99940	
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	0.87897	0.80969	0.78097	0.96877	0.74614	0.85621	AVRG		0.84012		9.45894	
143 Methyl Acetate	0.18767	0.15901	0.16147	0.16771	0.15210	0.15290	AVRG		0.16348		8.06117	
144 Methylcyclohexane	0.25030	0.22006	0.22684	0.30487	0.23692	0.27480	AVRG		0.25230		12.78085	
145 Dimethoxymethane	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	48228	104238	186418	615445	1390292	2636385	QUAD	0.26277	0.86483	0.01502	0.99682	

:port Date : 15-Mar-2004 10:54

STL North Canton

INITIAL CALIBRATION DATA

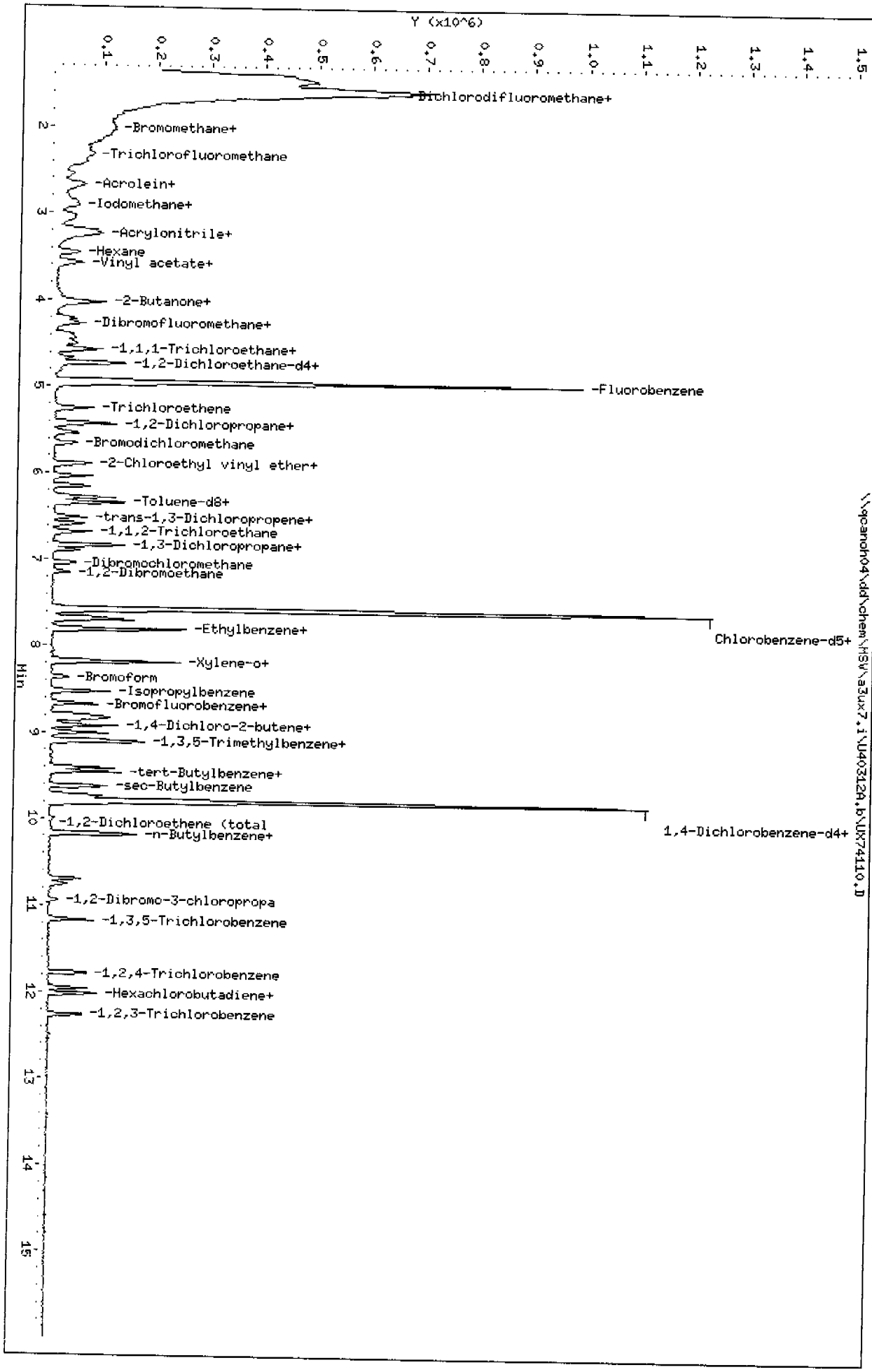
:art Cal Date : 12-MAR-2004 11:13
ıd Cal Date : 15-MAR-2004 10:09
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
ıl Date : 15-Mar-2004 10:54 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
4 Dibromofluoromethane	0.23042	0.21200	0.21290	0.24148	0.18625	0.21351	AVRG		0.21609		8.71689
5 1,2-Dichloroethane-d4	0.27383	0.26106	0.24749	0.28221	0.22428	0.24931	AVRG		0.25636		8.09400
6 Toluene-d8	1.18814	1.08397	1.07584	1.24974	0.97126	1.14674	AVRG		1.11928		8.71363
7 Bromofluorobenzene	0.44398	0.37815	0.38285	0.44380	0.34881	0.39641	AVRG		0.39900		9.54417

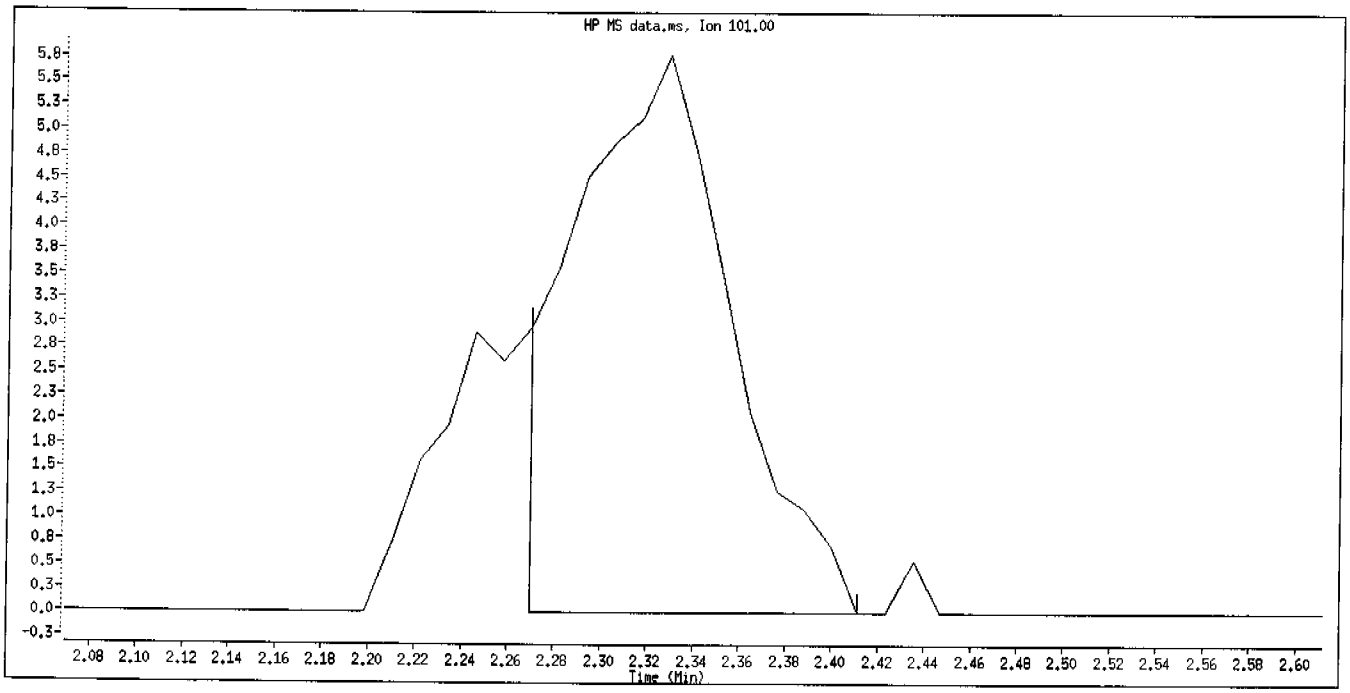
Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanon04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74110.D
Date : 12-MAR-2004 11:13
Client ID:
Sample Info: 5.0NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

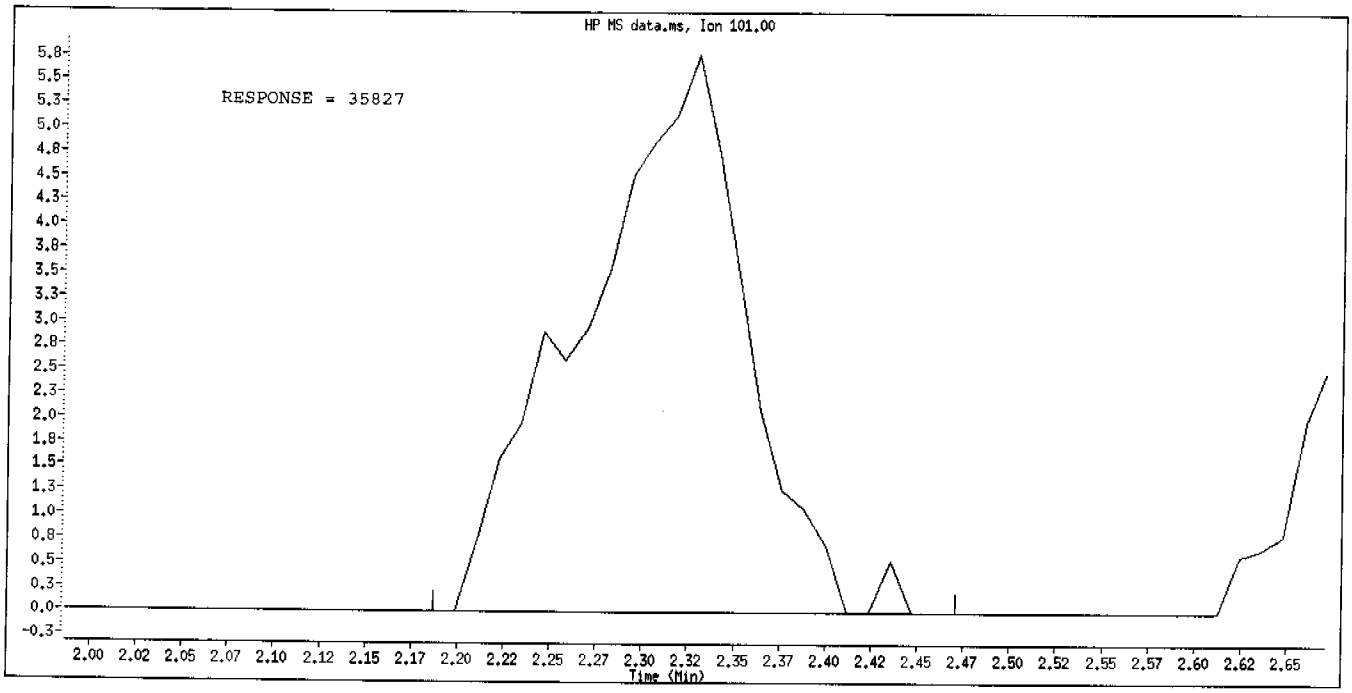
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18



Inj. Date and Time: 12-MAR-2004 11:13
Instrument ID: a3ux7.i
Client ID:
Compound Name: Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 03/15/2004



Original Integration



Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74110.D
Report Date: 15-Mar-2004 10:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74110.D
Lab Smp Id: 5.0NG8260CAL
Inj Date : 12-MAR-2004 11:13
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 5.0NG8260CAL
Misc Info : U40312A,N8260UX7-3,1-8260.SUB,1754,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\N8260UX7-3.m
Meth Date : 15-Mar-2004 10:13 roachc Quant Type: ISTD
Cal Date : 12-MAR-2004 11:13 Cal File: UX74110.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.943	4.943	(1.000)	1093896	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	826870	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.795	(1.000)	369888	50.0000	
$ 4 Dibromofluoromethane	113	4.387	4.387	(0.888)	25206	5.00000	5.332
$ 5 1,2-Dichloroethane-d4	65	4.659	4.659	(0.943)	29954	5.00000	5.341
$ 6 Toluene-d8	98	6.280	6.280	(0.830)	98244	5.00000	5.308
$ 7 Bromofluorobenzene	95	8.671	8.671	(1.145)	36711	5.00000	5.564
8 Dichlorodifluoromethane	85	1.595	1.595	(0.323)	24643	5.00000	4.858
9 Chloromethane	50	1.666	1.666	(0.337)	40842	5.00000	5.776
10 Vinyl Chloride	62	1.772	1.772	(0.359)	31655	5.00000	4.980
11 Bromomethane	94	2.021	2.021	(0.409)	29881	5.00000	6.026
12 Chloroethane	64	2.103	2.103	(0.426)	22713	5.00000	5.281
13 Trichlorofluoromethane	101	2.328	2.328	(0.471)	35827	5.00000	4.760(M)
15 Acrolein	56	2.553	2.553	(0.517)	42527	50.0000	54.700
16 Acetone	43	2.671	2.671	(0.540)	29699	10.0000	13.768
17 1,1-Dichloroethene	96	2.671	2.671	(0.540)	27645	5.00000	5.669
18 Freon-113	151	2.707	2.707	(0.548)	15277	5.00000	5.128

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74110.D
Report Date: 15-Mar-2004 10:14

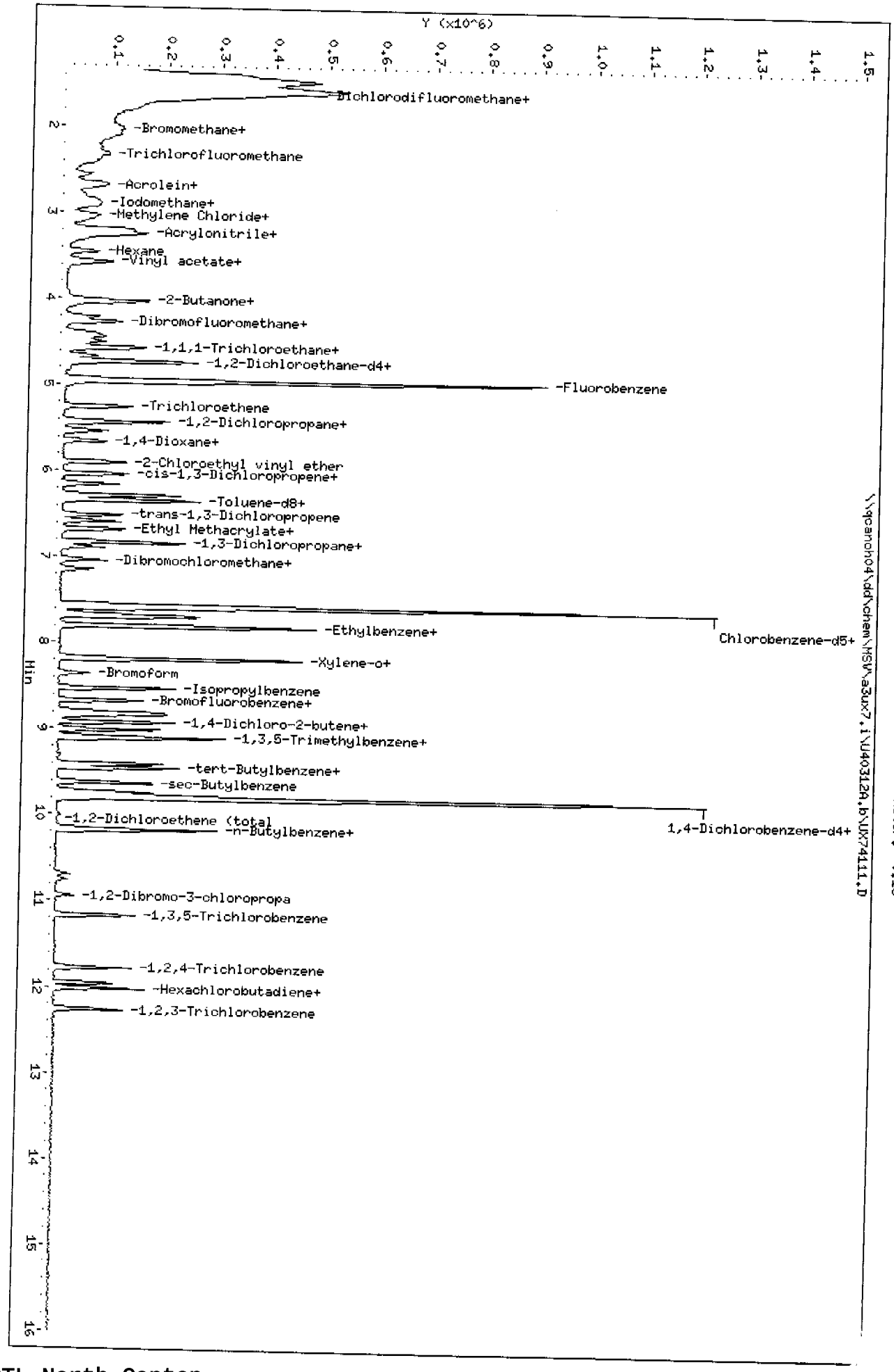
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.813	2.813	(0.569)	44088	5.00000	5.282
	20 Carbon Disulfide	76	2.873	2.873	(0.581)	83632	5.00000	5.073
	21 Methylene Chloride	84	3.026	3.026	(0.612)	33534	5.00000	5.974
	22 Acetonitrile	41	2.884	2.884	(0.584)	33293	50.0000	58.291
	23 Acrylonitrile	53	3.192	3.192	(0.646)	99528	50.0000	56.069
	24 Methyl tert-butyl ether	73	3.239	3.239	(0.655)	88090	5.00000	5.513
	25 trans-1,2-Dichloroethene	96	3.251	3.251	(0.658)	28174	5.00000	5.104
	26 Hexane	86	3.452	3.452	(0.698)	5924	5.00000	5.224
	27 Vinyl acetate	43	3.583	3.583	(0.725)	49538	5.00000	5.318
	28 1,1-Dichloroethane	63	3.559	3.559	(0.720)	44151	5.00000	5.115
	29 tert-Butyl Alcohol	59	3.086	3.086	(0.624)	45760	100.000	119.61
	30 2-Butanone	43	4.020	4.020	(0.813)	34099	10.0000	12.046
M	31 1,2-Dichloroethene (total)	96				59444	10.0000	10.481
	32 cis-1,2-dichloroethene	96	4.020	4.020	(0.813)	31270	5.00000	5.376
	33 2,2-Dichloropropane	77	4.032	4.032	(0.816)	40097	5.00000	5.497
	34 Bromochloromethane	128	4.210	4.210	(0.852)	14571	5.00000	5.174
	35 Chloroform	83	4.269	4.269	(0.864)	45486	5.00000	5.187
	36 Tetrahydrofuran	42	4.245	4.245	(0.859)	17208	5.00000	5.735
	37 1,1,1-Trichloroethane	97	4.435	4.435	(0.897)	40243	5.00000	5.014
	38 1,1-Dichloropropene	75	4.553	4.553	(0.921)	32512	5.00000	5.019
	39 Carbon Tetrachloride	117	4.577	4.577	(0.926)	34770	5.00000	5.186
	40 1,2-Dichloroethane	62	4.719	4.719	(0.955)	34793	5.00000	5.291
	41 Benzene	78	4.730	4.730	(0.957)	126244	5.00000	5.683
	42 Trichloroethene	130	5.251	5.251	(1.062)	29900	5.00000	5.169
	43 1,2-Dichloropropane	63	5.429	5.429	(1.098)	26580	5.00000	5.263
	44 1,4-Dioxane	88	5.535	5.535	(1.120)	10777	250.000	275.71(A)
	45 Dibromomethane	93	5.523	5.523	(1.117)	14760	5.00000	4.938
	46 Bromodichloromethane	83	5.653	5.653	(1.144)	34455	5.00000	5.183
	47 2-Chloroethyl vinyl ether	63	5.890	5.890	(1.191)	34283	10.0000	10.347
	48 cis-1,3-Dichloropropene	75	6.032	6.032	(1.220)	45315	5.00000	5.244
	49 4-Methyl-2-pentanone	43	6.150	6.150	(1.244)	50765	10.0000	10.558
	50 Toluene	91	6.340	6.340	(0.837)	122173	5.00000	5.289
	51 trans-1,3-Dichloropropene	75	6.505	6.505	(0.859)	37830	5.00000	4.940
	52 Ethyl Methacrylate	69	6.576	6.576	(0.869)	36705	5.00000	5.216
	53 1,1,2-Trichloroethane	97	6.671	6.671	(0.881)	23511	5.00000	5.136
	54 1,3-Dichloropropane	76	6.825	6.825	(0.902)	41034	5.00000	5.197
	55 Tetrachloroethene	164	6.825	6.825	(0.902)	21984	5.00000	5.384
	56 2-Hexanone	43	6.884	6.884	(0.909)	38635	10.0000	10.324
	57 Dibromochloromethane	129	7.038	7.038	(0.930)	28579	5.00000	5.323
	58 1,2-Dibromoethane	107	7.144	7.144	(0.944)	24982	5.00000	5.285
	59 Chlorobenzene	112	7.594	7.594	(1.003)	75739	5.00000	5.255
	60 1,1,1,2-Tetrachloroethane	131	7.665	7.665	(1.013)	28433	5.00000	5.243
	61 Ethylbenzene	106	7.689	7.689	(1.016)	39023	5.00000	5.264
	62 m + p-Xylene	106	7.807	7.807	(1.031)	89482	10.0000	9.976
M	63 Xylenes (total)	106				134417	15.0000	14.993
	64 Xylene-o	106	8.174	8.174	(1.080)	44935	5.00000	5.017
	65 Styrene	104	8.186	8.186	(1.081)	80059	5.00000	5.010

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74110.D
Report Date: 15-Mar-2004 10:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.363	8.363	(1.105)	18668	5.00000	5.084
67 Isopropylbenzene	105	8.517	8.517	(1.125)	90070	5.00000	4.970
68 1,1,2,2-Tetrachloroethane	83	8.789	8.789	(0.897)	28688	5.00000	5.358
69 1,4-Dichloro-2-butene	53	8.848	8.848	(0.903)	9749	5.00000	5.833
70 1,2,3-Trichloropropane	110	8.836	8.836	(0.902)	9794	5.00000	5.287
71 Bromobenzene	156	8.825	8.825	(0.901)	32151	5.00000	5.366
72 n-Propylbenzene	120	8.919	8.919	(0.911)	28243	5.00000	5.527
73 2-Chlorotoluene	126	9.002	9.002	(0.919)	25922	5.00000	5.342
74 1,3,5-Trimethylbenzene	105	9.085	9.085	(0.928)	77999	5.00000	5.224
75 4-Chlorotoluene	126	9.109	9.109	(0.930)	26336	5.00000	5.187
76 tert-Butylbenzene	119	9.404	9.404	(0.960)	68774	5.00000	5.378
77 1,2,4-Trimethylbenzene	105	9.452	9.452	(0.965)	83283	5.00000	5.284
78 sec-Butylbenzene	105	9.617	9.617	(0.982)	85677	5.00000	5.100
79 4-Isopropyltoluene	119	9.759	9.759	(0.996)	75703	5.00000	5.220
80 1,3-Dichlorobenzene	146	9.724	9.724	(0.993)	50924	5.00000	5.333
81 1,4-Dichlorobenzene	146	9.818	9.818	(1.002)	52556	5.00000	5.229
82 n-Butylbenzene	91	10.162	10.162	(1.037)	65255	5.00000	5.310
83 1,2-Dichlorobenzene	146	10.185	10.185	(1.040)	50882	5.00000	5.199
84 1,2-Dibromo-3-chloropropane	157	10.943	10.943	(1.117)	6899	5.00000	5.218
85 1,2,4-Trichlorobenzene	180	11.783	11.783	(1.203)	32563	5.00000	5.460
86 Hexachlorobutadiene	225	11.960	11.960	(1.221)	20022	5.00000	5.123
87 Naphthalene	128	12.019	12.019	(1.227)	88732	5.00000	5.194
88 1,2,3-Trichlorobenzene	180	12.268	12.268	(1.252)	27964	5.00000	5.117
98 Cyclohexane	56	4.494	4.494	(0.909)	33766	5.00000	5.141
143 Methyl Acetate	43	2.920	2.920	(0.591)	41058	10.0000	11.480
144 Methylcyclohexane	83	5.429	5.429	(1.098)	27380	5.00000	4.960(a)
141 1,3,5-Trichlorobenzene	180	11.167	11.167	(1.140)	32512	5.00000	5.231

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74111.D
Date : 12-MAR-2004 11:37
Client ID:
Sample Info: 10NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Dibromofluoromethane+
-1,1,1-Trichloroethane+
-1,2-Dichloroethane-d4+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8+
-trans-1,3-Dichloropropene
-Ethyl Methacrylate+
-1,3-Dichloropropane+
-Dibromochloromethane+
-Ethylbenzene+
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene+
-1,4-Dichloro-2-butene+
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene+
-sec-Butylbenzene
-1,2-Dichloroethene (total
-n-Butylbenzene+
1,4-Dichlorobenzene-d4+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74111.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74111.D
Report Date: 15-Mar-2004 10:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74111.D
Lab Smp Id: 10NG8260CAL
Inj Date : 12-MAR-2004 11:37
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 10NG8260CAL
Misc Info : U40312A,N8260UX7-3,1-8260.SUB,1754,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\N8260UX7-3.m
Meth Date : 15-Mar-2004 10:14 roachc Quant Type: ISTD
Cal Date : 12-MAR-2004 11:13 Cal File: UX74110.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.940	4.940	(1.000)	1058416	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	803391	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	368512	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.890)	44876	10.0000	9.810
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.945)	55263	10.0000	10.183
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	174170	10.0000	9.684
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	60761	10.0000	9.478
8 Dichlorodifluoromethane	85	1.603	1.603	(0.325)	43504	10.0000	8.864
9 Chloromethane	50	1.674	1.674	(0.339)	66012	10.0000	9.648
10 Vinyl Chloride	62	1.781	1.781	(0.361)	58388	10.0000	9.493
11 Bromomethane	94	2.029	2.029	(0.411)	47362	10.0000	9.871
12 Chloroethane	64	2.088	2.088	(0.423)	41446	10.0000	9.960
13 Trichlorofluoromethane	101	2.325	2.325	(0.471)	66298	10.0000	9.104(M)
15 Acrolein	56	2.550	2.550	(0.516)	76306	100.000	101.44
16 Acetone	43	2.668	2.668	(0.540)	34929	20.0000	16.468
17 1,1-Dichloroethene	96	2.668	2.668	(0.540)	44159	10.0000	9.359
18 Freon-113	151	2.704	2.704	(0.547)	26577	10.0000	8.670

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74111.D
Report Date: 15-Mar-2004 10:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.810	2.810	(0.569)	82122	10.0000	10.168
	20 Carbon Disulfide	76	2.869	2.869	(0.581)	157238	10.0000	9.858
	21 Methylene Chloride	84	3.023	3.023	(0.612)	56435	10.0000	10.390
	22 Acetonitrile	41	2.893	2.893	(0.586)	54943	100.000	99.421
	23 Acrylonitrile	53	3.189	3.189	(0.646)	162351	100.000	94.527
	24 Methyl tert-butyl ether	73	3.236	3.236	(0.655)	153076	10.0000	9.902
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.658)	55423	10.0000	10.378
	26 Hexane	86	3.461	3.461	(0.701)	8555	10.0000	8.772
	27 Vinyl acetate	43	3.579	3.579	(0.725)	90541	10.0000	10.045
	28 1,1-Dichloroethane	63	3.567	3.567	(0.722)	85990	10.0000	10.295
	29 tert-Butyl Alcohol	59	3.082	3.082	(0.624)	68513	200.000	185.09
	30 2-Butanone	43	4.005	4.005	(0.811)	49204	20.0000	17.965
M	31 1,2-Dichloroethene (total)	96				112107	20.0000	20.450
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.816)	56684	10.0000	10.072
	33 2,2-Dichloropropane	77	4.029	4.029	(0.816)	72109	10.0000	10.217
	34 Bromochloromethane	128	4.206	4.206	(0.852)	26548	10.0000	9.744
	35 Chloroform	83	4.266	4.266	(0.863)	86872	10.0000	10.239
	36 Tetrahydrofuran	42	4.254	4.254	(0.861)	22678	10.0000	10.773(M)
	37 1,1,1-Trichloroethane	97	4.431	4.431	(0.897)	79047	10.0000	10.179
	38 1,1-Dichloropropene	75	4.561	4.561	(0.923)	61594	10.0000	9.827
	39 Carbon Tetrachloride	117	4.573	4.573	(0.926)	60967	10.0000	9.398
	40 1,2-Dichloroethane	62	4.727	4.727	(0.957)	64323	10.0000	10.110
	41 Benzene	78	4.727	4.727	(0.957)	220078	10.0000	10.240
	42 Trichloroethene	130	5.248	5.248	(1.062)	55362	10.0000	9.891
	43 1,2-Dichloropropane	63	5.425	5.425	(1.098)	49944	10.0000	10.221
	44 1,4-Dioxane	88	5.544	5.544	(1.122)	17505	500.000	462.85(A)
	45 Dibromomethane	93	5.520	5.520	(1.117)	29998	10.0000	10.373
	46 Bromodichloromethane	83	5.650	5.650	(1.144)	63945	10.0000	9.942
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.194)	61699	20.0000	19.245
	48 cis-1,3-Dichloropropene	75	6.029	6.029	(1.220)	82912	10.0000	9.916
	49 4-Methyl-2-pentanone	43	6.147	6.147	(1.244)	84144	20.0000	18.086
	50 Toluene	91	6.336	6.336	(0.837)	223706	10.0000	9.967
	51 trans-1,3-Dichloropropene	75	6.502	6.502	(0.859)	72971	10.0000	9.807
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	67627	10.0000	9.891
	53 1,1,2-Trichloroethane	97	6.668	6.668	(0.881)	46212	10.0000	10.389
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	75654	10.0000	9.861
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	38835	10.0000	9.789
	56 2-Hexanone	43	6.881	6.881	(0.909)	60094	20.0000	16.528
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	51536	10.0000	9.880
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	44760	10.0000	9.746
	59 Chlorobenzene	112	7.591	7.591	(1.003)	136691	10.0000	9.761
	60 1,1,1,2-Tetrachloroethane	131	7.662	7.662	(1.013)	53380	10.0000	10.132
	61 Ethylbenzene	106	7.697	7.697	(1.017)	67687	10.0000	9.397
	62 m + p-Xylene	106	7.804	7.804	(1.031)	165417	20.0000	18.981
M	63 Xylenes (total)	106				250959	30.0000	28.811
	64 Xylene-o	106	8.170	8.170	(1.080)	85542	10.0000	9.830
	65 Styrene	104	8.182	8.182	(1.081)	149039	10.0000	9.599

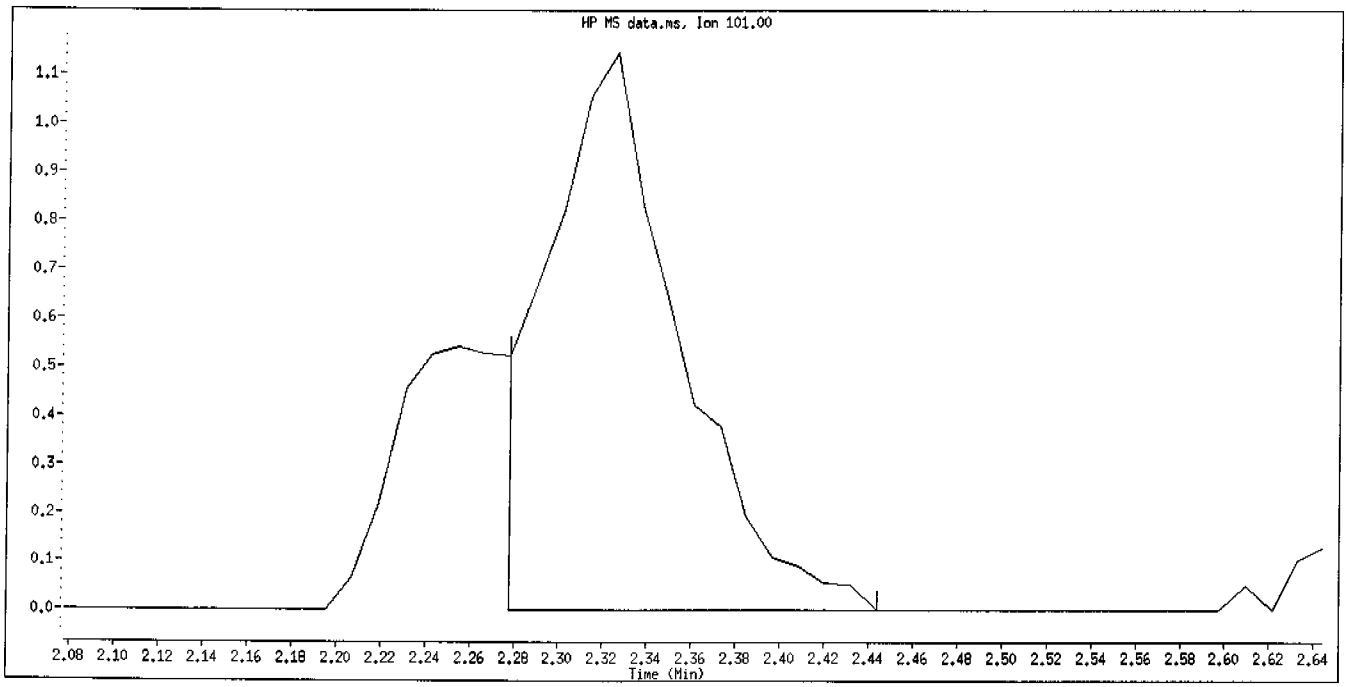
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74111.D
Report Date: 15-Mar-2004 10:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.360	8.360	(1.105)	35376	10.0000	9.917
67 Isopropylbenzene	105	8.525	8.525	(1.127)	167446	10.0000	9.510
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	53699	10.0000	10.066
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	17074	10.0000	10.254
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	18622	10.0000	10.090
71 Bromobenzene	156	8.821	8.821	(0.901)	58833	10.0000	9.856
72 n-Propylbenzene	120	8.916	8.916	(0.911)	47405	10.0000	9.311
73 2-Chlorotoluene	126	8.999	8.999	(0.919)	47990	10.0000	9.926
74 1,3,5-Trimethylbenzene	105	9.082	9.082	(0.927)	141184	10.0000	9.492
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	49052	10.0000	9.698
76 tert-Butylbenzene	119	9.401	9.401	(0.960)	120374	10.0000	9.447
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	152537	10.0000	9.715
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	155687	10.0000	9.302
79 4-Isopropyltoluene	119	9.756	9.756	(0.996)	130099	10.0000	9.004
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	91946	10.0000	9.664
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	98891	10.0000	9.876
82 n-Butylbenzene	91	10.158	10.158	(1.037)	111433	10.0000	9.102
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	97684	10.0000	10.019
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	12920	10.0000	9.809
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	54777	10.0000	9.219
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	26534	10.0000	7.892
87 Naphthalene	128	12.016	12.016	(1.227)	162300	10.0000	9.536
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	53447	10.0000	9.816
98 Cyclohexane	56	4.490	4.490	(0.909)	56554	10.0000	8.899
143 Methyl Acetate	43	2.928	2.928	(0.593)	67321	20.0000	19.454
144 Methylcyclohexane	83	5.425	5.425	(1.098)	46583	10.0000	8.722
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	59676	10.0000	9.638

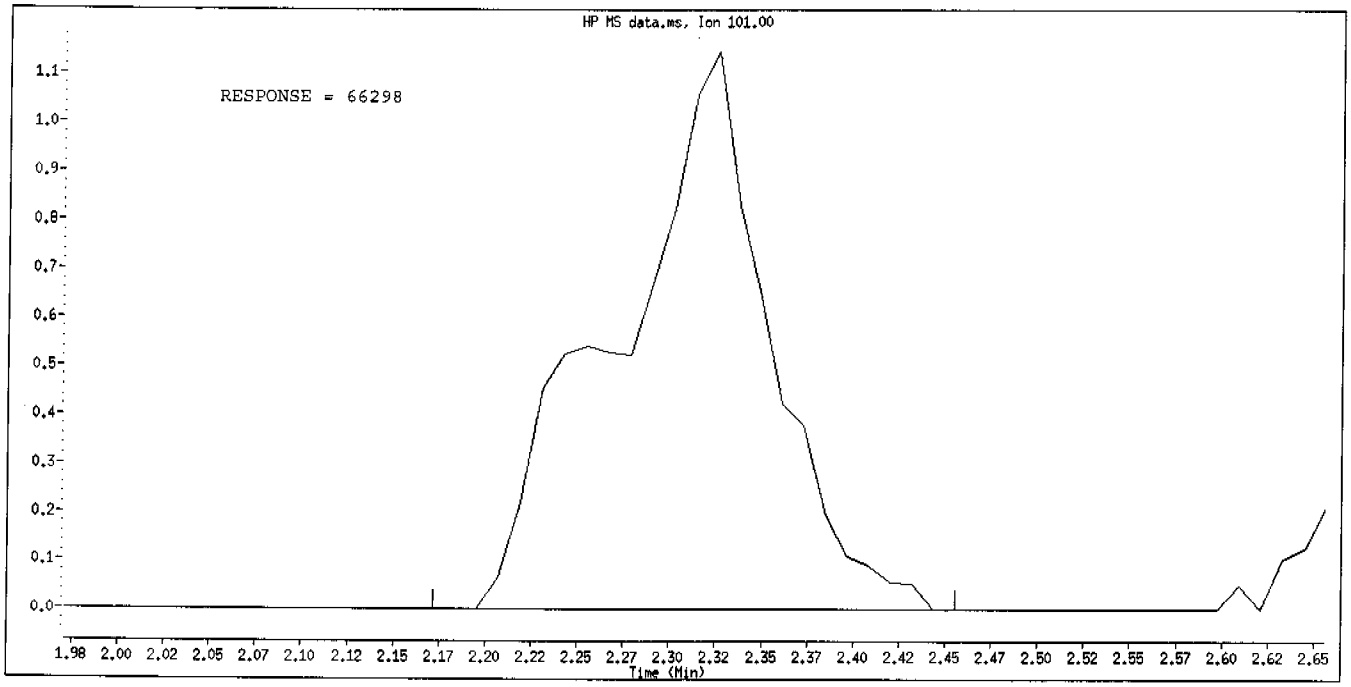
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Inj. Date and Time: 12-MAR-2004 11:37
Instrument ID: a3ux7.i
Client ID:
Compound Name: Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 03/15/2004



Original Integration

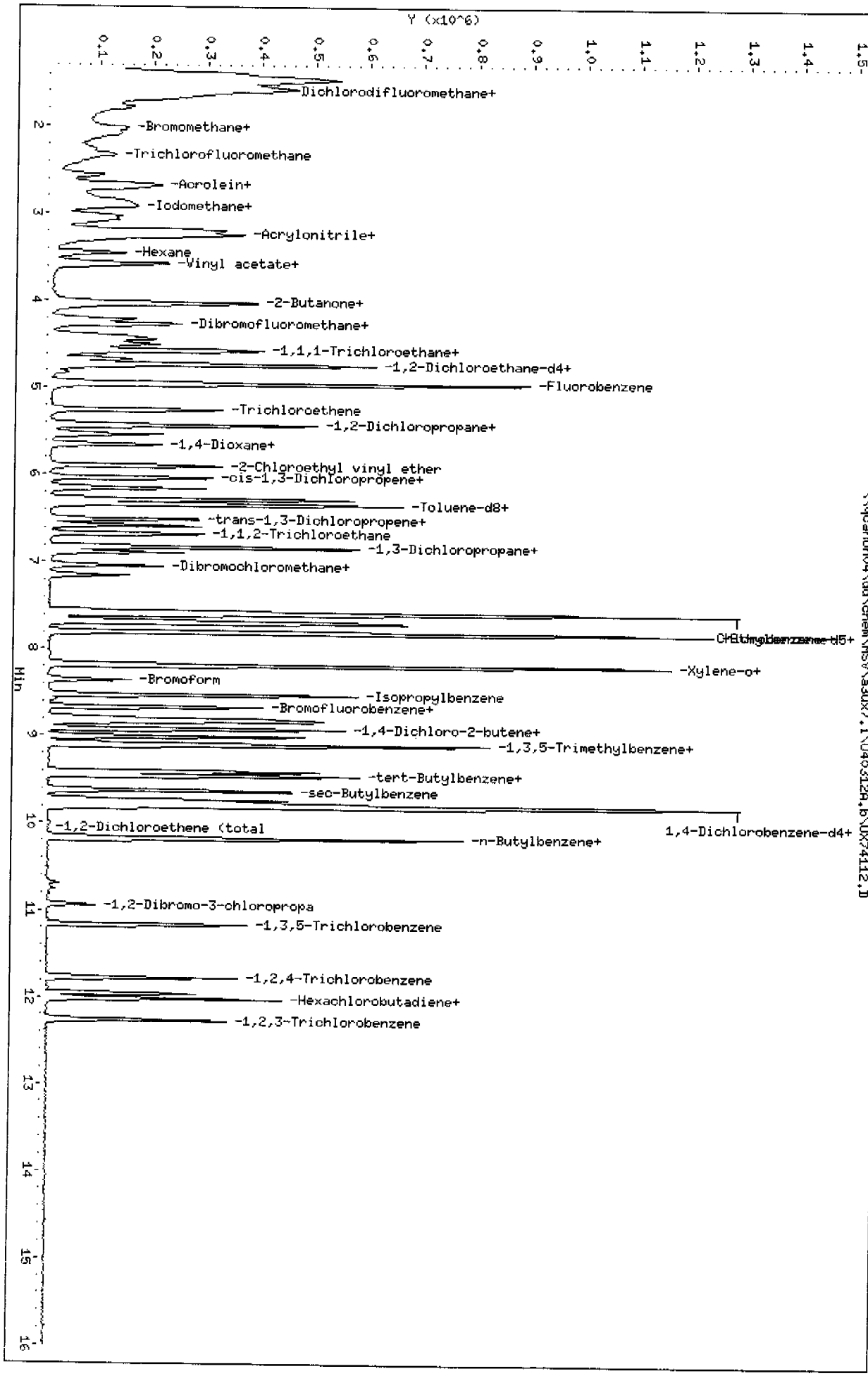


Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U403120.b\UX74112.D
Date : 12-MAR-2004 12:01
Client ID:
Sample Info: 25NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74112.D
Report Date: 15-Mar-2004 10:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74112.D
Lab Smp Id: 25NG8260CAL
Inj Date : 12-MAR-2004 12:01
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 25NG8260CAL
Misc Info : U40312A,N8260UX7-3,1-8260.SUB,1754,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\N8260UX7-3.m
Meth Date : 15-Mar-2004 10:15 roachc Quant Type: ISTD
Cal Date : 12-MAR-2004 11:13 Cal File: UX74110.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.951	4.951	(1.000)	1069631	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.566	(1.000)	818915	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	378180	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	113860	25.0000	24.630
$ 5 1,2-Dichloroethane-d4	65	4.667	4.667	(0.943)	132360	25.0000	24.134
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	440511	25.0000	24.030
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	156761	25.0000	23.988
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	119473	25.0000	24.088
9 Chloromethane	50	1.674	1.674	(0.338)	169986	25.0000	24.584
10 Vinyl Chloride	62	1.780	1.780	(0.360)	158339	25.0000	25.473
11 Bromomethane	94	2.029	2.029	(0.410)	112189	25.0000	23.136
12 Chloroethane	64	2.088	2.088	(0.422)	104068	25.0000	24.747
13 Trichlorofluoromethane	101	2.324	2.324	(0.470)	182603	25.0000	24.812(M)
15 Acrolein	56	2.561	2.561	(0.517)	189889	250.000	249.78
16 Acetone	43	2.668	2.668	(0.539)	105845	50.0000	47.247
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	114803	25.0000	24.077
18 Freon-113	151	2.703	2.703	(0.546)	74640	25.0000	22.775

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74112.D
Report Date: 15-Mar-2004 10:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.821	2.821	(0.570)	198449	25.0000	24.315
	20 Carbon Disulfide	76	2.881	2.881	(0.582)	388344	25.0000	24.091
	21 Methylene Chloride	84	3.034	3.034	(0.613)	129850	25.0000	23.656
	22 Acetonitrile	41	2.881	2.881	(0.582)	137672	250.000	246.51
	23 Acrylonitrile	53	3.188	3.188	(0.644)	424910	250.000	244.80
	24 Methyl tert-butyl ether	73	3.236	3.236	(0.654)	376409	25.0000	24.093
	25 trans-1,2-Dichloroethene	96	3.247	3.247	(0.656)	131211	25.0000	24.312
	26 Hexane	86	3.460	3.460	(0.699)	19747	25.0000	22.473
	27 Vinyl acetate	43	3.579	3.579	(0.723)	218184	25.0000	23.953
	28 1,1-Dichloroethane	63	3.567	3.567	(0.720)	203613	25.0000	24.123
	29 tert-Butyl Alcohol	59	3.082	3.082	(0.622)	187806	500.000	502.05
	30 2-Butanone	43	4.005	4.005	(0.809)	135313	50.0000	48.886
M	31 1,2-Dichloroethene (total)	96				269918	50.0000	48.700
	32 cis-1,2-dichloroethene	96	4.028	4.028	(0.814)	138707	25.0000	24.388
	33 2,2-Dichloropropane	77	4.040	4.040	(0.816)	167895	25.0000	23.539
	34 Bromochloromethane	128	4.218	4.218	(0.852)	66215	25.0000	24.048
	35 Chloroform	83	4.265	4.265	(0.861)	210290	25.0000	24.525
	36 Tetrahydrofuran	42	4.253	4.253	(0.859)	38599	25.0000	23.759
	37 1,1,1-Trichloroethane	97	4.442	4.442	(0.897)	193409	25.0000	24.645
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	151772	25.0000	23.960
	39 Carbon Tetrachloride	117	4.573	4.573	(0.924)	156803	25.0000	23.919
	40 1,2-Dichloroethane	62	4.726	4.726	(0.955)	154981	25.0000	24.104
	41 Benzene	78	4.726	4.726	(0.955)	513309	25.0000	23.632
	42 Trichloroethene	130	5.247	5.247	(1.060)	137001	25.0000	24.220
	43 1,2-Dichloropropane	63	5.425	5.425	(1.096)	119256	25.0000	24.150
	44 1,4-Dioxane	88	5.543	5.543	(1.119)	46260	1250.00	1210.3(A)
	45 Dibromomethane	93	5.531	5.531	(1.117)	71247	25.0000	24.378
	46 Bromodichloromethane	83	5.649	5.649	(1.141)	155023	25.0000	23.851
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	160418	50.0000	49.513
	48 cis-1,3-Dichloropropene	75	6.028	6.028	(1.217)	203083	25.0000	24.034
	49 4-Methyl-2-pentanone	43	6.146	6.146	(1.241)	233485	50.0000	49.660
	50 Toluene	91	6.336	6.336	(0.837)	548392	25.0000	23.971
	51 trans-1,3-Dichloropropene	75	6.513	6.513	(0.861)	184612	25.0000	24.341
	52 Ethyl Methacrylate	69	6.584	6.584	(0.870)	168989	25.0000	24.247
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	109370	25.0000	24.122
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	188599	25.0000	24.117
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	93585	25.0000	23.142
	56 2-Hexanone	43	6.880	6.880	(0.909)	184999	50.0000	49.916
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	125078	25.0000	23.524
	58 1,2-Dibromoethane	107	7.140	7.140	(0.944)	113316	25.0000	24.205
	59 Chlorobenzene	112	7.590	7.590	(1.003)	340642	25.0000	23.864
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	127965	25.0000	23.827
	61 Ethylbenzene	106	7.696	7.696	(1.017)	176461	25.0000	24.033
	62 m + p-Xylene	106	7.803	7.803	(1.031)	428136	50.0000	48.196
M	63 Xylenes (total)	106				636378	75.0000	71.672
	64 Xylene-o	106	8.170	8.170	(1.080)	208242	25.0000	23.476
	65 Styrene	104	8.182	8.182	(1.081)	374171	25.0000	23.642

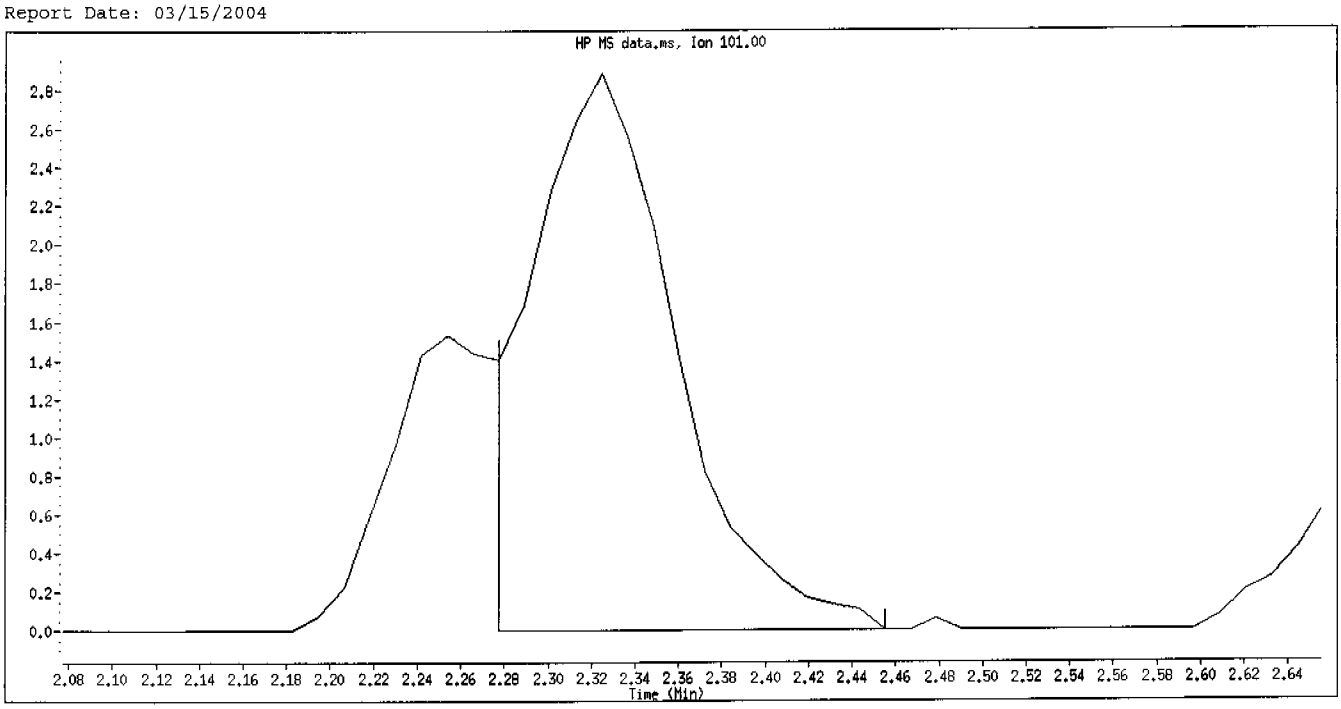
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74112.D
Report Date: 15-Mar-2004 10:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.359	8.359	(1.105)	86848	25.0000	23.884
67 Isopropylbenzene	105	8.525	8.525	(1.127)	427919	25.0000	23.844
68 1,1,2,2-Tetrachloroethane	83	8.785	8.785	(0.897)	133311	25.0000	24.351
69 1,4-Dichloro-2-butene	53	8.844	8.844	(0.903)	40031	25.0000	23.427
70 1,2,3-Trichloropropane	110	8.832	8.832	(0.902)	46432	25.0000	24.516
71 Bromobenzene	156	8.821	8.821	(0.901)	147646	25.0000	24.101
72 n-Propylbenzene	120	8.915	8.915	(0.911)	123407	25.0000	23.620
73 2-Chlorotoluene	126	8.998	8.998	(0.919)	118102	25.0000	23.804
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	356943	25.0000	23.383
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	123767	25.0000	23.843
76 tert-Butylbenzene	119	9.400	9.400	(0.960)	305992	25.0000	23.401
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	380928	25.0000	23.640
78 sec-Butylbenzene	105	9.625	9.625	(0.983)	404501	25.0000	23.550
79 4-Isopropyltoluene	119	9.767	9.767	(0.998)	350353	25.0000	23.628
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	234089	25.0000	23.976
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	247432	25.0000	24.080
82 n-Butylbenzene	91	10.170	10.170	(1.039)	287259	25.0000	22.865
83 1,2-Dichlorobenzene	146	10.181	10.181	(1.040)	240699	25.0000	24.057
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	33732	25.0000	24.956
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	142794	25.0000	23.417
86 Hexachlorobutadiene	225	11.956	11.956	(1.221)	65740	25.0000	23.473
87 Naphthalene	128	12.015	12.015	(1.227)	423566	25.0000	24.250
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	133565	25.0000	23.903
98 Cyclohexane	56	4.502	4.502	(0.909)	147929	25.0000	23.033
143 Methyl Acetate	43	2.928	2.928	(0.591)	172718	50.0000	49.387
144 Methylcyclohexane	83	5.436	5.436	(1.098)	121315	25.0000	22.477
141 1,3,5-Trichlorobenzene	180	11.163	11.163	(1.140)	147673	25.0000	23.240

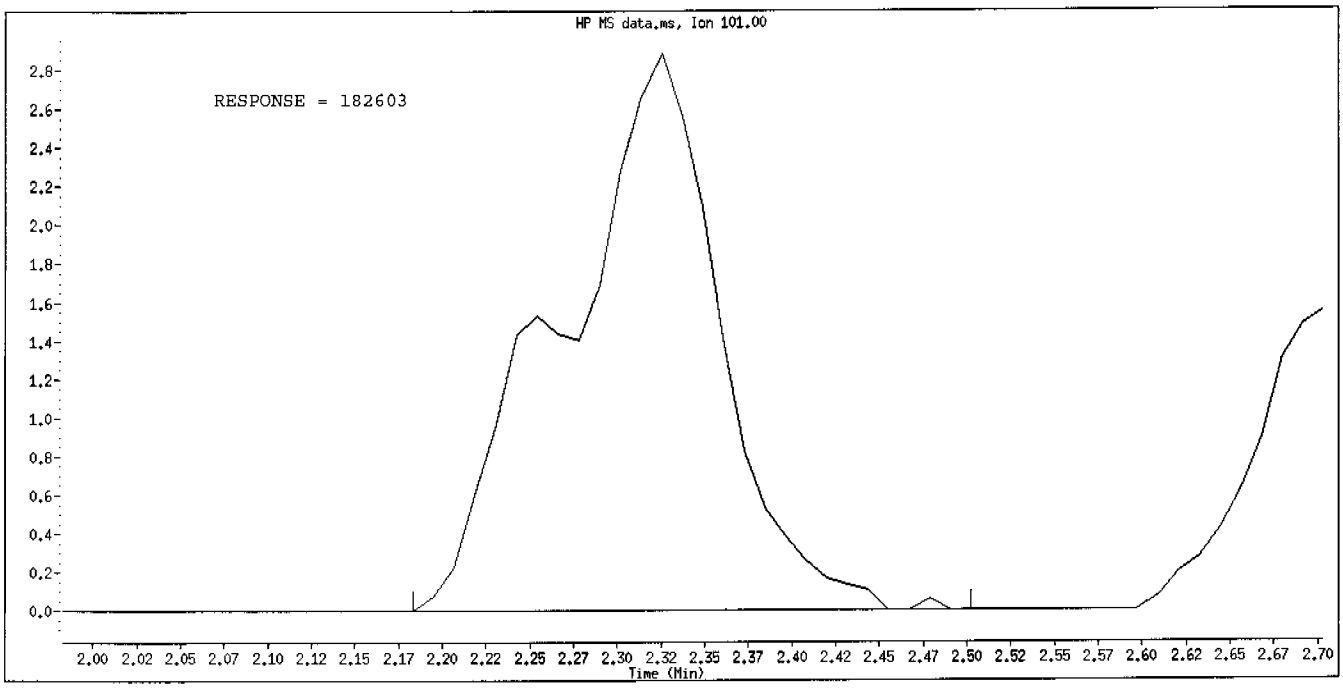
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Inj. Date and Time: 12-MAR-2004 12:01
Instrument ID: a3ux7.i
Client ID:
Compound Name: Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 03/15/2004

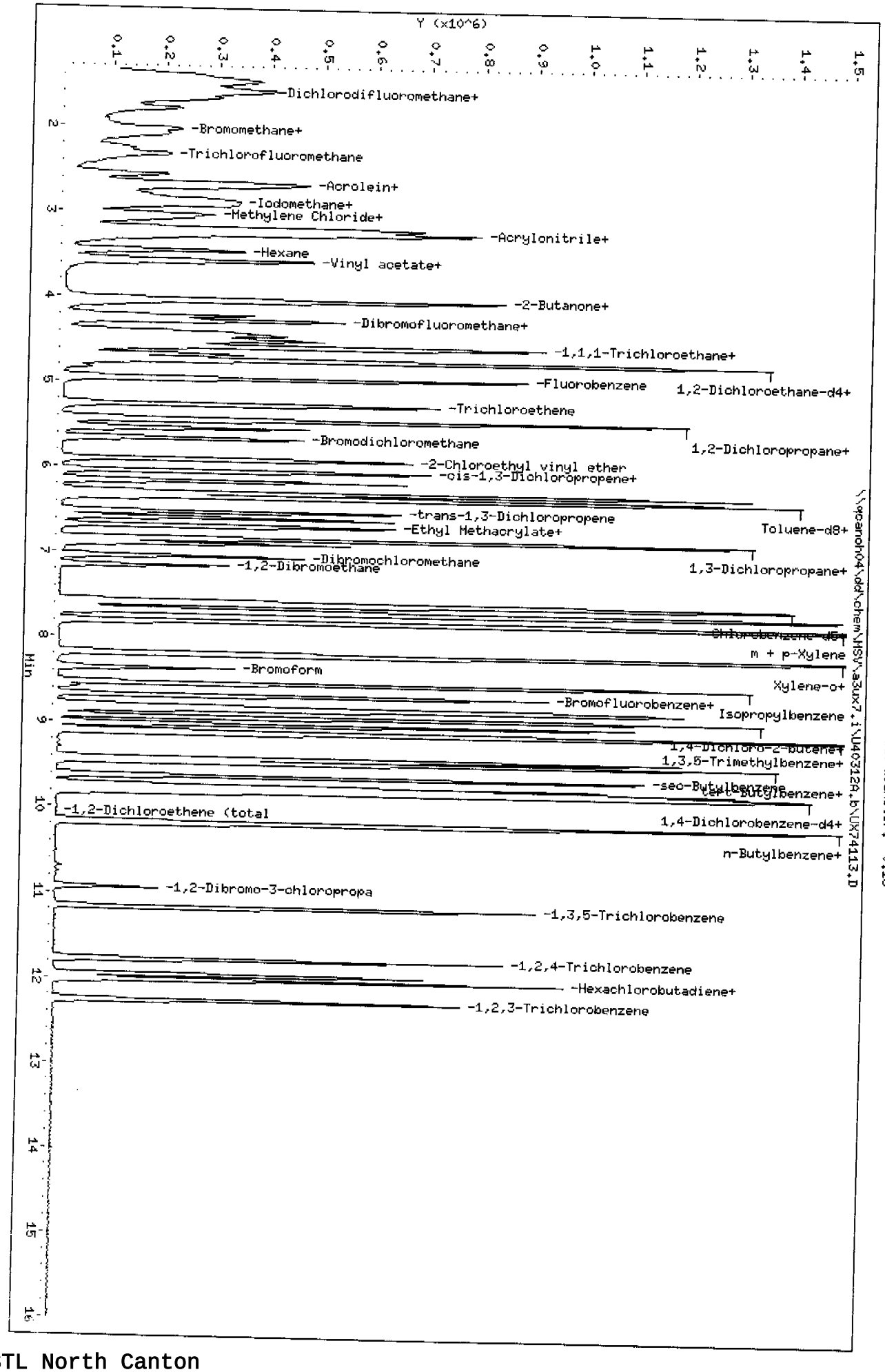


Original Integration



Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74113.D
Date : 12-MAR-2004 12:24
Client ID:
Sample Info: 50NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Dibromofluoromethane+
-1,1,1-Trichloroethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-trans-1,3-Dichloropropene
-Ethyl Methacrylate+
Toluene-d8+
-Dibromochloromethane
-1,2-Dibromoethane
1,3-Dichloropropane+
Chlorobenzene-d5+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene+
Isopropylbenzene
1,4-Dichloro-2-butene+
1,3,5-Trimethylbenzene+
-sec-Butylbenzene
tert-Butylbenzene+
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74113.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74113.D
Report Date: 15-Mar-2004 10:16

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74113.D
Lab Smp Id: 50NG8260CAL
Inj Date : 12-MAR-2004 12:24
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG8260CAL
Misc Info : U40312A,N8260UX7-3,1-8260.SUB,1754,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\N8260UX7-3.m
Meth Date : 15-Mar-2004 10:16 roachc Quant Type: ISTD
Cal Date : 12-MAR-2004 11:13 Cal File: UX74110.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.940	4.940	(1.000)	1052016	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	809843	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	370925	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.890)	254040	50.0000	55.874
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.945)	296887	50.0000	55.040
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	1012097	50.0000	55.828
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	359410	50.0000	55.614
8 Dichlorodifluoromethane	85	1.591	1.591	(0.322)	258678	50.0000	53.028
9 Chloromethane	50	1.674	1.674	(0.339)	320252	50.0000	47.092
10 Vinyl Chloride	62	1.780	1.780	(0.360)	311372	50.0000	50.931
11 Bromomethane	94	2.029	2.029	(0.411)	234463	50.0000	49.162
12 Chloroethane	64	2.088	2.088	(0.423)	210511	50.0000	50.898
13 Trichlorofluoromethane	101	2.325	2.325	(0.471)	408238	50.0000	56.400(M)
15 Acrolein	56	2.561	2.561	(0.519)	397478	500.000	531.60
16 Acetone	43	2.668	2.668	(0.540)	229772	100.000	104.64
17 1,1-Dichloroethene	96	2.668	2.668	(0.540)	259228	50.0000	55.278
18 Freon-113	151	2.703	2.703	(0.547)	198748	50.0000	59.659

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74113.D
Report Date: 15-Mar-2004 10:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.810	2.810	(0.569)	437891	50.0000	54.550
	20 Carbon Disulfide	76	2.869	2.869	(0.581)	887399	50.0000	55.972
	21 Methylene Chloride	84	3.023	3.023	(0.612)	283049	50.0000	52.429
	22 Acetonitrile	41	2.893	2.893	(0.586)	281166	500.000	511.87
	23 Acrylonitrile	53	3.189	3.189	(0.646)	891004	500.000	521.93
	24 Methyl tert-butyl ether	73	3.236	3.236	(0.655)	815271	50.0000	53.058
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.657)	290874	50.0000	54.798
	26 Hexane	86	3.461	3.461	(0.701)	49842	50.0000	59.806
	27 Vinyl acetate	43	3.579	3.579	(0.725)	478635	50.0000	53.426
	28 1,1-Dichloroethane	63	3.567	3.567	(0.722)	458822	50.0000	55.268
	29 tert-Butyl Alcohol	59	3.082	3.082	(0.624)	363586	1000.00	988.23
	30 2-Butanone	43	4.005	4.005	(0.811)	280032	100.000	102.86
M	31 1,2-Dichloroethene (total)	96				593174	100.000	108.84
	32 cis-1,2-dichloroethene	96	4.017	4.017	(0.813)	302300	50.0000	54.042
	33 2,2-Dichloropropane	77	4.029	4.029	(0.816)	379974	50.0000	54.165
	34 Bromochloromethane	128	4.206	4.206	(0.851)	151119	50.0000	55.803
	35 Chloroform	83	4.265	4.265	(0.863)	457450	50.0000	54.244
	36 Tetrahydrofuran	42	4.253	4.253	(0.861)	67545	50.0000	48.738
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.899)	423353	50.0000	54.849
	38 1,1-Dichloropropene	75	4.561	4.561	(0.923)	352530	50.0000	56.586
	39 Carbon Tetrachloride	117	4.573	4.573	(0.926)	366149	50.0000	56.788
	40 1,2-Dichloroethane	62	4.727	4.727	(0.957)	341144	50.0000	53.946
	41 Benzene	78	4.727	4.727	(0.957)	1131448	50.0000	52.963
	42 Trichloroethene	130	5.247	5.247	(1.062)	308753	50.0000	55.498
	43 1,2-Dichloropropane	63	5.425	5.425	(1.098)	264293	50.0000	54.418
	44 1,4-Dioxane	88	5.531	5.531	(1.120)	97505	2500.00	2593.8(A)
	45 Dibromomethane	93	5.531	5.531	(1.120)	156755	50.0000	54.533
	46 Bromodichloromethane	83	5.650	5.650	(1.144)	353944	50.0000	55.368
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.194)	345587	100.000	108.45
	48 cis-1,3-Dichloropropene	75	6.028	6.028	(1.220)	453257	50.0000	54.539
	49 4-Methyl-2-pentanone	43	6.147	6.147	(1.244)	497733	100.000	107.64
	50 Toluene	91	6.336	6.336	(0.837)	1222287	50.0000	54.026
	51 trans-1,3-Dichloropropene	75	6.502	6.502	(0.859)	413410	50.0000	55.118
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	366565	50.0000	53.186
	53 1,1,2-Trichloroethane	97	6.667	6.667	(0.881)	240555	50.0000	53.651
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	418025	50.0000	54.054
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	222295	50.0000	55.587
	56 2-Hexanone	43	6.880	6.880	(0.909)	404852	100.000	110.46
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	287234	50.0000	54.627
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	251361	50.0000	54.294
	59 Chlorobenzene	112	7.590	7.590	(1.003)	776630	50.0000	55.016
	60 1,1,1,2-Tetrachloroethane	131	7.661	7.661	(1.013)	288009	50.0000	54.229
	61 Ethylbenzene	106	7.697	7.697	(1.017)	403426	50.0000	55.560
	62 m + p-Xylene	106	7.803	7.803	(1.031)	982934	100.000	111.89
M	63 Xylenes (total)	106				1471870	150.000	167.63
	64 Xylene-o	106	8.170	8.170	(1.080)	488936	50.0000	55.739
	65 Styrene	104	8.182	8.182	(1.081)	877668	50.0000	56.076

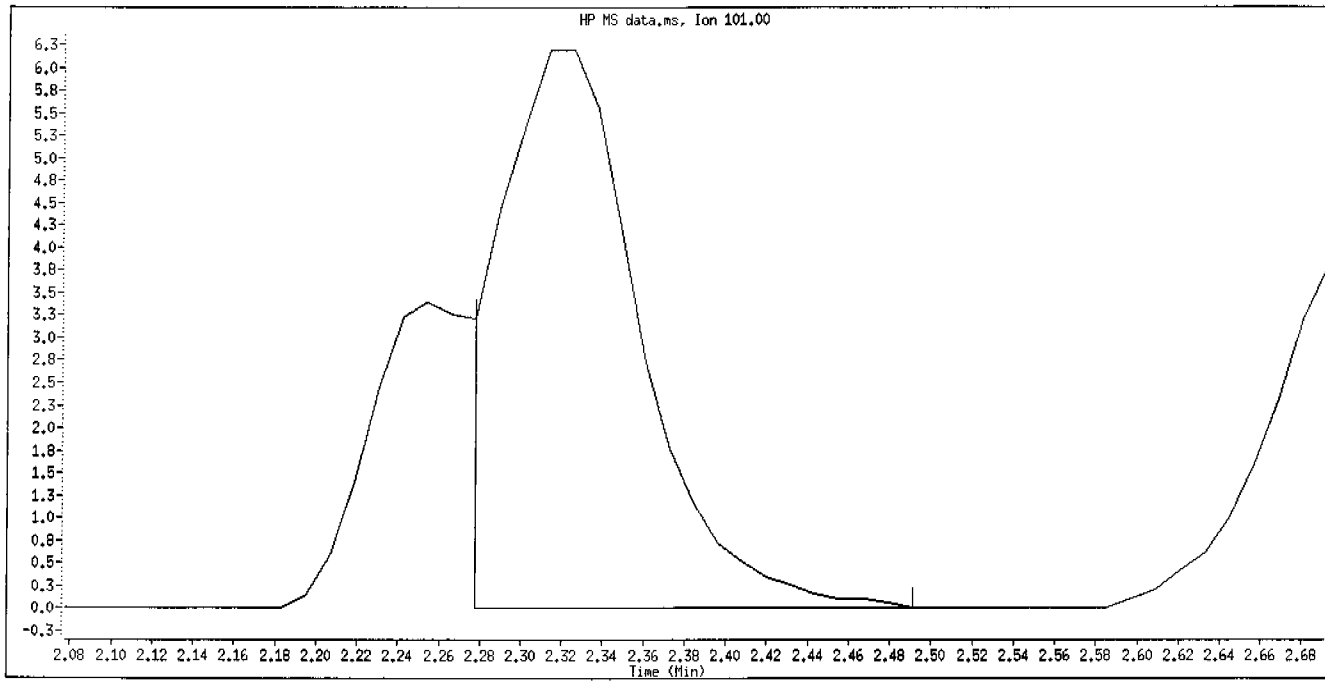
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74113.D
Report Date: 15-Mar-2004 10:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.359	8.359	(1.105)	192170	50.0000	53.440
67 Isopropylbenzene	105	8.525	8.525	(1.127)	997799	50.0000	56.221
68 1,1,2,2-Tetrachloroethane	83	8.785	8.785	(0.897)	290975	50.0000	54.190
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	88349	50.0000	52.716
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	101537	50.0000	54.660
71 Bromobenzene	156	8.821	8.821	(0.901)	331966	50.0000	55.249
72 n-Propylbenzene	120	8.916	8.916	(0.911)	290000	50.0000	56.592
73 2-Chlorotoluene	126	8.998	8.998	(0.919)	271171	50.0000	55.724
74 1,3,5-Trimethylbenzene	105	9.081	9.081	(0.927)	850820	50.0000	56.827
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	287251	50.0000	56.420
76 tert-Butylbenzene	119	9.401	9.401	(0.960)	725515	50.0000	56.571
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	886954	50.0000	56.121
78 sec-Butylbenzene	105	9.614	9.614	(0.982)	978242	50.0000	58.066
79 4-Isopropyltoluene	119	9.756	9.756	(0.996)	842555	50.0000	57.933
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	531354	50.0000	55.487
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	559558	50.0000	55.521
82 n-Butylbenzene	91	10.158	10.158	(1.037)	717340	50.0000	58.215
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	542670	50.0000	55.298
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	71831	50.0000	54.182
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	341754	50.0000	57.142
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	158114	50.0000	60.698
87 Naphthalene	128	12.016	12.016	(1.227)	933976	50.0000	54.517
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	308267	50.0000	56.247
98 Cyclohexane	56	4.502	4.502	(0.911)	377243	50.0000	59.721
143 Methyl Acetate	43	2.928	2.928	(0.593)	352862	100.000	102.59
144 Methylcyclohexane	83	5.425	5.425	(1.098)	320732	50.0000	60.419
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	359340	50.0000	57.656

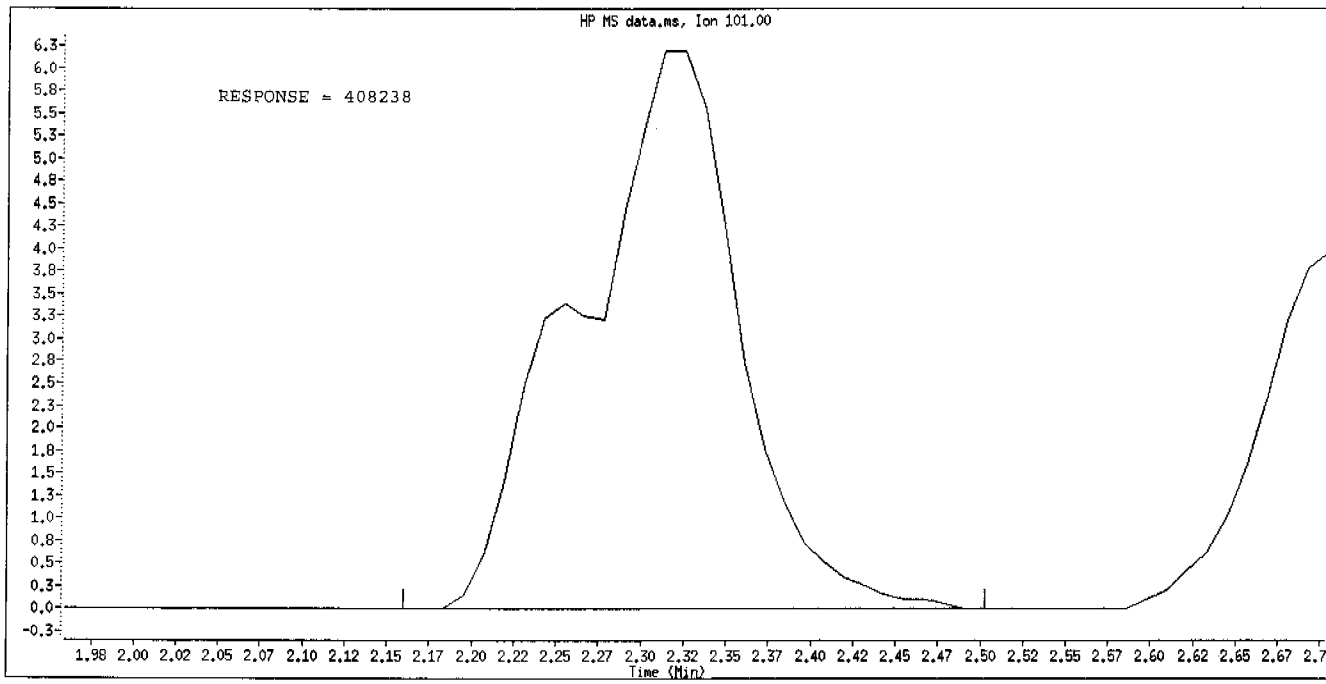
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Inj. Date and Time: 12-MAR-2004 12:24
Instrument ID: a3ux7.i
Client ID:
Compound Name: Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 03/15/2004



Original Integration

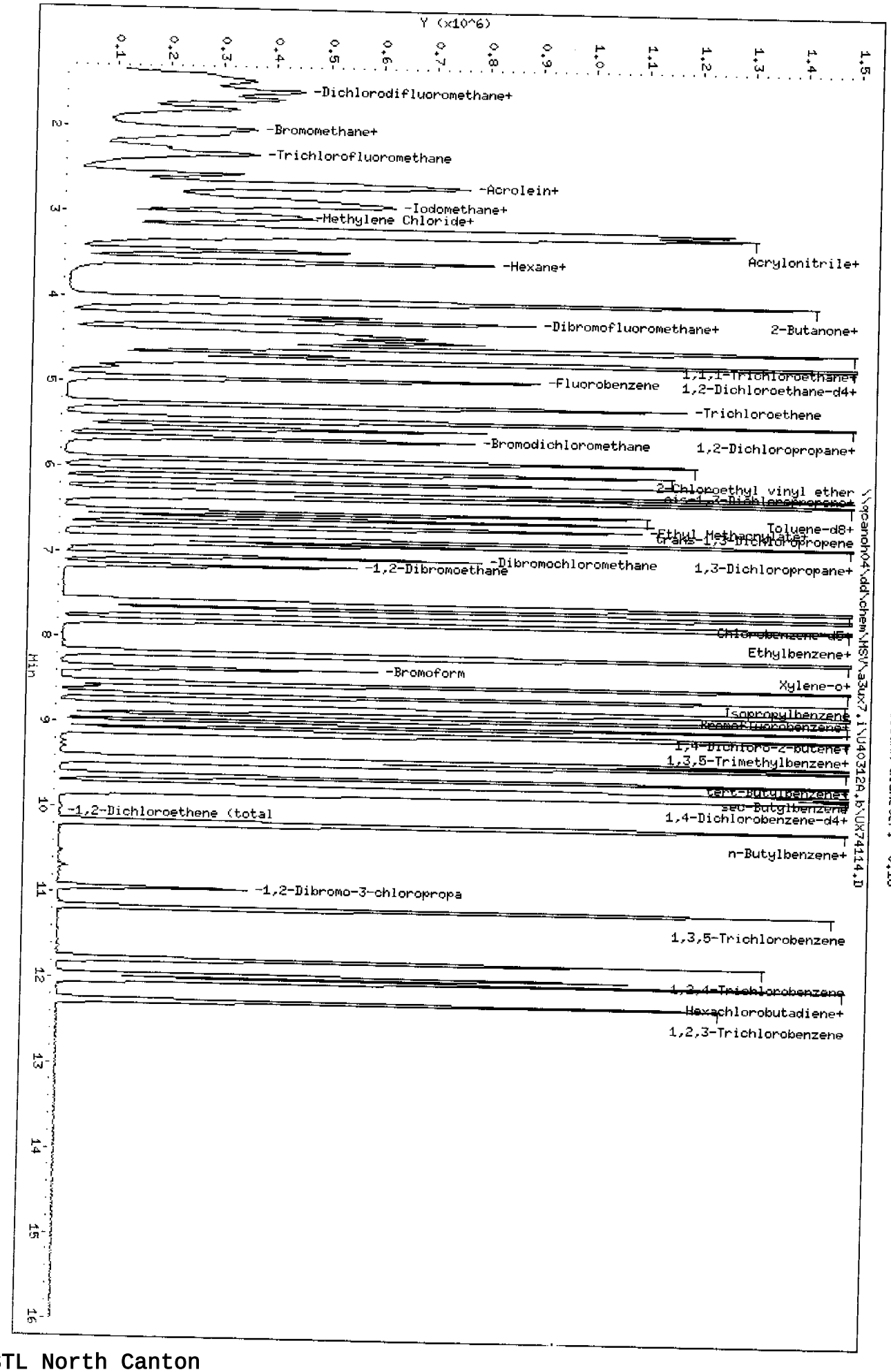


Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography

Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U40312A.b\UX74114.D
Date : 12-MAR-2004 12:48
Client ID:
Sample Info: 100NC82600CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74114.D
Report Date: 15-Mar-2004 10:17

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74114.D
Lab Smp Id: 100NG8260CAL
Inj Date : 12-MAR-2004 12:48
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 100NG8260CAL
Misc Info : U40312A,N8260UX7-3,1-8260.SUB,1754,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\N8260UX7-3.m
Meth Date : 15-Mar-2004 10:17 roachc Quant Type: ISTD
Cal Date : 12-MAR-2004 11:13 Cal File: UX74110.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.953	4.953	(1.000)	1073358	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	813805	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	386068	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	399827	100.000	86.190
$ 5 1,2-Dichloroethane-d4	65	4.669	4.669	(0.943)	481468	100.000	87.486
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	1580834	100.000	86.775
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	567730	100.000	87.421
8 Dichlorodifluoromethane	85	1.592	1.592	(0.322)	515887	100.000	103.65
9 Chloromethane	50	1.687	1.687	(0.341)	657796	100.000	94.802
10 Vinyl Chloride	62	1.793	1.793	(0.362)	607182	100.000	97.342
11 Bromomethane	94	2.030	2.030	(0.410)	436578	100.000	89.721
12 Chloroethane	64	2.089	2.089	(0.422)	393106	100.000	93.156
13 Trichlorofluoromethane	101	2.326	2.326	(0.470)	619132	100.000	83.835
15 Acrolein	56	2.551	2.551	(0.515)	694973	1000.00	911.00
16 Acetone	43	2.669	2.669	(0.539)	432684	200.000	197.54
17 1,1-Dichloroethene	96	2.669	2.669	(0.539)	418266	100.000	87.417
18 Freon-113	151	2.704	2.704	(0.546)	322275	100.000	93.156

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74114.D
Report Date: 15-Mar-2004 10:17

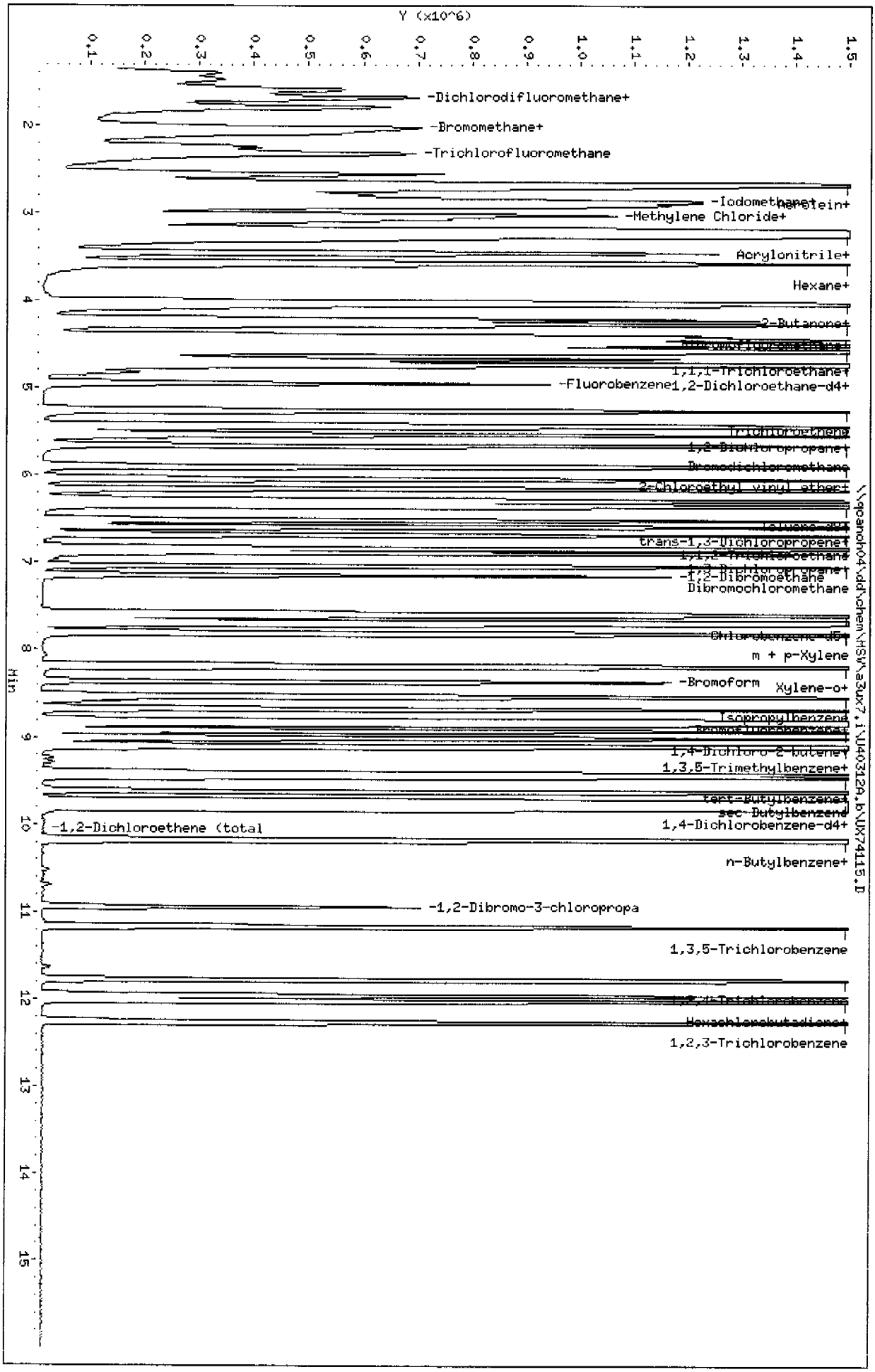
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.823	2.823	(0.570)	717600	100.000	87.618
	20 Carbon Disulfide	76	2.894	2.894	(0.584)	1448588	100.000	89.551
	21 Methylene Chloride	84	3.036	3.036	(0.613)	463211	100.000	84.095
	22 Acetonitrile	41	2.882	2.882	(0.582)	494408	1000.00	882.19
	23 Acrylonitrile	53	3.190	3.190	(0.644)	1658961	1000.00	952.46
	24 Methyl tert-butyl ether	73	3.261	3.261	(0.658)	1423375	100.000	90.791
	25 trans-1,2-Dichloroethene	96	3.249	3.249	(0.656)	473584	100.000	87.445
	26 Hexane	86	3.462	3.462	(0.699)	79465	100.000	93.126
	27 Vinyl acetate	43	3.580	3.580	(0.723)	854309	100.000	93.462
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	745800	100.000	88.051
	29 tert-Butyl Alcohol	59	3.083	3.083	(0.623)	741510	2000.00	1975.4(A)
	30 2-Butanone	43	4.006	4.006	(0.809)	535770	200.000	192.89
M	31 1,2-Dichloroethene (total)	96				971086	200.000	174.62
	32 cis-1,2-dichloroethene	96	4.018	4.018	(0.811)	497502	100.000	87.170
	33 2,2-Dichloropropane	77	4.030	4.030	(0.814)	623544	100.000	87.118
	34 Bromochloromethane	128	4.207	4.207	(0.849)	250597	100.000	90.697
	35 Chloroform	83	4.266	4.266	(0.861)	757146	100.000	87.996
	36 Tetrahydrofuran	42	4.254	4.254	(0.859)	131965	100.000	101.22
	37 1,1,1-Trichloroethane	97	4.432	4.432	(0.895)	700323	100.000	88.929
	38 1,1-Dichloropropene	75	4.562	4.562	(0.921)	574738	100.000	90.419
	39 Carbon Tetrachloride	117	4.574	4.574	(0.924)	591650	100.000	89.937
	40 1,2-Dichloroethane	62	4.728	4.728	(0.955)	578023	100.000	89.588
	41 Benzene	78	4.728	4.728	(0.955)	1867260	100.000	85.669
	42 Trichloroethene	130	5.248	5.248	(1.060)	504065	100.000	88.804
	43 1,2-Dichloropropane	63	5.426	5.426	(1.096)	438178	100.000	88.427
	44 1,4-Dioxane	88	5.532	5.532	(1.117)	191899	5000.00	5003.3(A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	269638	100.000	91.938
	46 Bromodichloromethane	83	5.651	5.651	(1.141)	586318	100.000	89.895
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	614568	200.000	189.03
	48 cis-1,3-Dichloropropene	75	6.029	6.029	(1.217)	765447	100.000	90.273
	49 4-Methyl-2-pentanone	43	6.148	6.148	(1.241)	934345	200.000	198.04
	50 Toluene	91	6.337	6.337	(0.837)	2021743	100.000	88.928
	51 trans-1,3-Dichloropropene	75	6.503	6.503	(0.859)	705804	100.000	93.644
	52 Ethyl Methacrylate	69	6.586	6.586	(0.870)	661158	100.000	95.462
	53 1,1,2-Trichloroethane	97	6.668	6.668	(0.881)	412828	100.000	91.625
	54 1,3-Dichloropropane	76	6.822	6.822	(0.901)	716979	100.000	92.259
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	361544	100.000	89.967
	56 2-Hexanone	43	6.881	6.881	(0.909)	767612	200.000	208.41(A)
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	483937	100.000	91.589
	58 1,2-Dibromoethane	107	7.142	7.142	(0.944)	435611	100.000	93.633
	59 Chlorobenzene	112	7.591	7.591	(1.003)	1278599	100.000	90.135
	60 1,1,1,2-Tetrachloroethane	131	7.662	7.662	(1.013)	479438	100.000	89.833
	61 Ethylbenzene	106	7.698	7.698	(1.017)	666027	100.000	91.278
	62 m + p-Xylene	106	7.804	7.804	(1.031)	1618306	200.000	183.32
M	63 Xylenes (total)	106				2428225	300.000	275.20
	64 Xylene-o	106	8.171	8.171	(1.080)	809919	100.000	91.881
	65 Styrene	104	8.183	8.183	(1.081)	1441039	100.000	91.623

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74114.D
Report Date: 15-Mar-2004 10:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.360	8.360	(1.105)	343566	100.000	95.077
67 Isopropylbenzene	105	8.526	8.526	(1.127)	1636252	100.000	91.746
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	515324	100.000	92.208
69 1,4-Dichloro-2-butene	53	8.846	8.846	(0.903)	156190	100.000	89.540
70 1,2,3-Trichloropropane	110	8.834	8.834	(0.902)	180198	100.000	93.200
71 Bromobenzene	156	8.822	8.822	(0.901)	552999	100.000	88.425
72 n-Propylbenzene	120	8.917	8.917	(0.911)	475074	100.000	89.071
73 2-Chlorotoluene	126	8.999	8.999	(0.919)	447593	100.000	88.370
74 1,3,5-Trimethylbenzene	105	9.082	9.082	(0.927)	1401491	100.000	89.935
75 4-Chlorotoluene	126	9.106	9.106	(0.930)	480567	100.000	90.688
76 tert-Butylbenzene	119	9.402	9.402	(0.960)	1172660	100.000	87.849
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	1457832	100.000	88.625
78 sec-Butylbenzene	105	9.615	9.615	(0.982)	1570346	100.000	89.556
79 4-Isopropyltoluene	119	9.757	9.757	(0.996)	1358467	100.000	89.743
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	892350	100.000	89.529
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	933437	100.000	88.986
82 n-Butylbenzene	91	10.159	10.159	(1.037)	1143363	100.000	89.149
83 1,2-Dichlorobenzene	146	10.183	10.183	(1.040)	912770	100.000	89.364
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	130032	100.000	94.236
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	551925	100.000	88.663
86 Hexachlorobutadiene	225	11.958	11.958	(1.221)	251498	100.000	92.214
87 Naphthalene	128	12.017	12.017	(1.227)	1698973	100.000	95.280
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	515097	100.000	90.300
98 Cyclohexane	56	4.491	4.491	(0.907)	589780	100.000	91.511
143 Methyl Acetate	43	2.929	2.929	(0.591)	653048	200.000	186.08
144 Methylcyclohexane	83	5.426	5.426	(1.096)	508591	100.000	93.903
141 1,3,5-Trichlorobenzene	180	11.165	11.165	(1.140)	576125	100.000	88.814

QC Flag Legend

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


Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74115.D
Date : 12-MAR-2004 13:11
Client ID:
Sample Info: 200NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5
Min
2 3 4 5 6 7 8 9 10 11 12 13 14 15
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Iodomethane+
-Methylene Chloride+
Acrylonitrile+
Hexane+
2-Butanone+
1,1,1-Trichloroethane+
-Fluorobenzene1,2-Dichloroethane-d4+
Trichloroethene
1,2-Dichloropropane+
Bromodichloromethane
2-Chloroethyl vinyl ether+
Toluene-d8+
trans-1,3-Dichloropropene+
1,1,2-Trichloroethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Dibromochloromethane
Chlorobenzene-d5+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene+
1,4-Dichloro-2-butene+
1,3,5-Trimethylbenzene+
tert-Butylbenzene+
sec-Butylbenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene+
1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74115.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74115.D
Report Date: 15-Mar-2004 10:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74115.D
Lab Smp Id: 200NG8260CAL
Inj Date : 12-MAR-2004 13:11
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 200NG8260CAL
Misc Info : U40312A,N8260UX7-3,1-8260.SUB,1754,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\N8260UX7-3.m
Meth Date : 15-Mar-2004 10:18 roachc Quant Type: ISTD
Cal Date : 12-MAR-2004 13:11 Cal File: UX74115.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	4.943	4.943	(1.000)	1045392	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	797425	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	382815	50.0000	
$ 4 Dibromofluoromethane	113	4.387	4.387	(0.887)	892813	200.000	197.61
$ 5 1,2-Dichloroethane-d4	65	4.659	4.659	(0.943)	1042518	200.000	194.50
$ 6 Toluene-d8	98	6.280	6.280	(0.830)	3657743	200.000	204.90(A)
$ 7 Bromofluorobenzene	95	8.670	8.670	(1.145)	1264436	200.000	198.70
8 Dichlorodifluoromethane	85	1.594	1.594	(0.323)	1048360	200.000	216.27(A)
9 Chloromethane	50	1.677	1.677	(0.339)	1360809	200.000	201.37(A)
10 Vinyl Chloride	62	1.784	1.784	(0.361)	1268304	200.000	208.77(A)
11 Bromomethane	94	2.020	2.020	(0.409)	949663	200.000	200.38(A)
12 Chloroethane	64	2.091	2.091	(0.423)	828788	200.000	201.66(A)
13 Trichlorofluoromethane	101	2.316	2.316	(0.469)	1695669	200.000	235.75(AM)
15 Acrolein	56	2.553	2.553	(0.516)	1364574	2000.00	1836.6
16 Acetone	43	2.659	2.659	(0.538)	810931	400.000	400.34(A)
17 1,1-Dichloroethene	96	2.659	2.659	(0.538)	920240	200.000	197.47
18 Freon-113	151	2.707	2.707	(0.548)	711741	200.000	200.61(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74115.D
Report Date: 15-Mar-2004 10:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.789	2.789	(0.564)	1574555	200.000	197.39
	20 Carbon Disulfide	76	2.849	2.849	(0.576)	3217282	200.000	204.21(A)
	21 Methylene Chloride	84	3.026	3.026	(0.612)	998296	200.000	186.09
	22 Acetonitrile	41	2.884	2.884	(0.584)	1034884	2000.00	1896.0
	23 Acrylonitrile	53	3.192	3.192	(0.646)	3249608	2000.00	1915.6
	24 Methyl tert-butyl ether	73	3.239	3.239	(0.655)	2975439	200.000	194.87
	25 trans-1,2-Dichloroethene	96	3.239	3.239	(0.655)	1053227	200.000	199.68
	26 Hexane	86	3.452	3.452	(0.698)	174104	200.000	200.60(A)
	27 Vinyl acetate	43	3.582	3.582	(0.725)	1728306	200.000	194.14
	28 1,1-Dichloroethane	63	3.559	3.559	(0.720)	1644486	200.000	199.34
	29 tert-Butyl Alcohol	59	3.085	3.085	(0.624)	1313774	4000.00	3593.5(A)
	30 2-Butanone	43	4.008	4.008	(0.811)	1002405	400.000	370.54(A)
M	31 1,2-Dichloroethene (total)	96				2153249	400.000	397.57
	32 cis-1,2-dichloroethene	96	4.020	4.020	(0.813)	1100022	200.000	197.90
	33 2,2-Dichloropropane	77	4.032	4.032	(0.816)	1370351	200.000	196.58
	34 Bromochloromethane	128	4.209	4.209	(0.852)	541292	200.000	201.15(A)
	35 Chloroform	83	4.269	4.269	(0.864)	1664059	200.000	198.57
	36 Tetrahydrofuran	42	4.245	4.245	(0.859)	242570	200.000	199.77
	37 1,1,1-Trichloroethane	97	4.434	4.434	(0.897)	1544972	200.000	201.43(A)
	38 1,1-Dichloropropene	75	4.564	4.564	(0.923)	1261972	200.000	203.85(A)
	39 Carbon Tetrachloride	117	4.576	4.576	(0.926)	1321163	200.000	206.20(A)
	40 1,2-Dichloroethane	62	4.730	4.730	(0.957)	1246424	200.000	198.35
	41 Benzene	78	4.730	4.730	(0.957)	4152791	200.000	195.62
	42 Trichloroethene	130	5.251	5.251	(1.062)	1117039	200.000	202.06(A)
	43 1,2-Dichloropropane	63	5.428	5.428	(1.098)	952229	200.000	197.31
	44 1,4-Dioxane	88	5.535	5.535	(1.120)	360483	10000.0	9650.2(A)
	45 Dibromomethane	93	5.523	5.523	(1.117)	565526	200.000	197.98
	46 Bromodichloromethane	83	5.653	5.653	(1.144)	1281519	200.000	201.74(A)
	47 2-Chloroethyl vinyl ether	63	5.890	5.890	(1.191)	1245276	400.000	393.26(A)
	48 cis-1,3-Dichloropropene	75	6.032	6.032	(1.220)	1659429	200.000	200.94(A)
	49 4-Methyl-2-pentanone	43	6.150	6.150	(1.244)	1801496	400.000	392.05(A)
	50 Toluene	91	6.339	6.339	(0.837)	4530387	200.000	203.36(A)
	51 trans-1,3-Dichloropropene	75	6.505	6.505	(0.859)	1504971	200.000	203.78(A)
	52 Ethyl Methacrylate	69	6.576	6.576	(0.869)	1329476	200.000	195.90
	53 1,1,2-Trichloroethane	97	6.671	6.671	(0.881)	865115	200.000	195.95
	54 1,3-Dichloropropane	76	6.824	6.824	(0.902)	1532400	200.000	201.24(A)
	55 Tetrachloroethene	164	6.824	6.824	(0.902)	793198	200.000	201.43(A)
	56 2-Hexanone	43	6.884	6.884	(0.909)	1438171	400.000	398.50(A)
	57 Dibromochloromethane	129	7.037	7.037	(0.930)	1033326	200.000	199.58
	58 1,2-Dibromoethane	107	7.144	7.144	(0.944)	891696	200.000	195.60
	59 Chlorobenzene	112	7.594	7.594	(1.003)	2826411	200.000	203.34(A)
	60 1,1,1,2-Tetrachloroethane	131	7.665	7.665	(1.013)	1048177	200.000	200.43(A)
	61 Ethylbenzene	106	7.688	7.688	(1.016)	1461892	200.000	204.47(A)
	62 m + p-Xylene	106	7.807	7.807	(1.031)	3646721	400.000	421.58(A)
M	63 Xylenes (total)	106				5444909	600.000	629.76
	64 Xylene-o	106	8.173	8.173	(1.080)	1798188	200.000	208.18(A)
	65 Styrene	104	8.185	8.185	(1.081)	3250893	200.000	210.94(A)

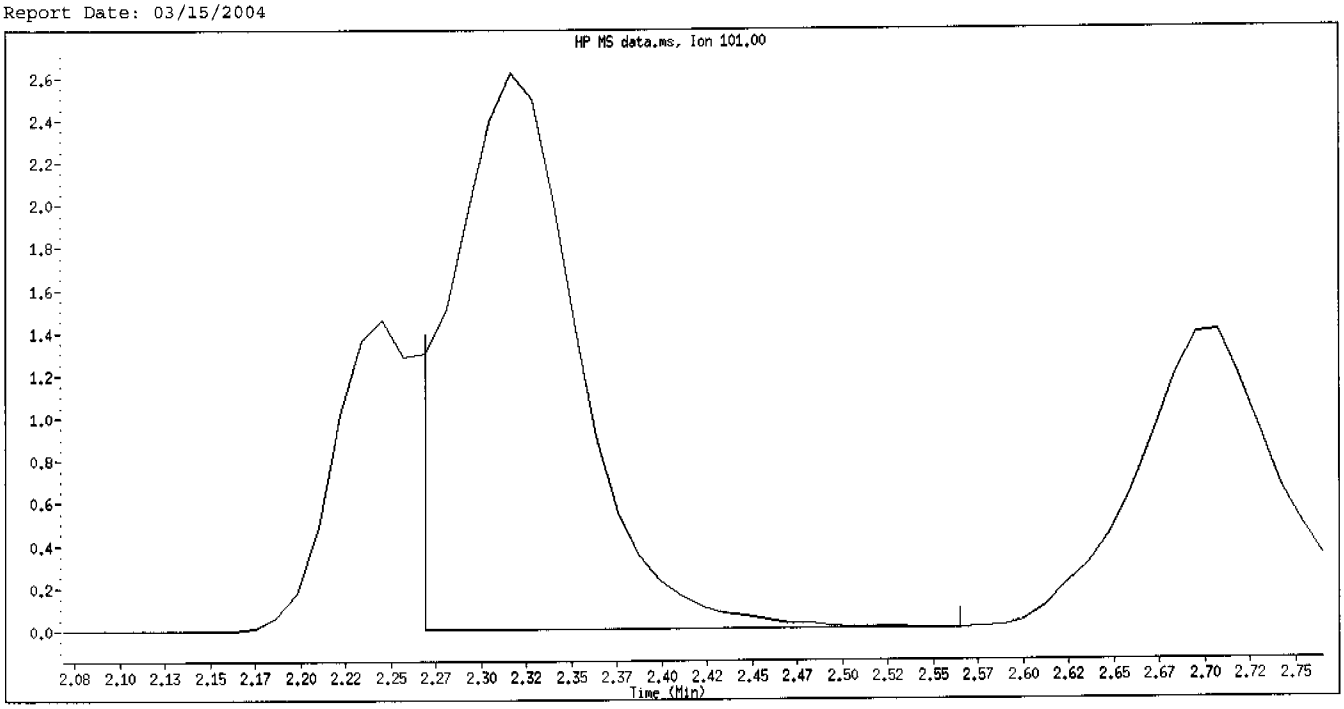
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74115.D
Report Date: 15-Mar-2004 10:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.363	8.363	(1.105)	719862	200.000	203.30(A)
67 Isopropylbenzene	105	8.528	8.528	(1.127)	3702014	200.000	211.84(A)
68 1,1,2,2-Tetrachloroethane	83	8.789	8.789	(0.897)	1043907	200.000	188.38
69 1,4-Dichloro-2-butene	53	8.848	8.848	(0.903)	318626	200.000	184.21
70 1,2,3-Trichloropropane	110	8.836	8.836	(0.902)	355712	200.000	185.54
71 Bromobenzene	156	8.812	8.812	(0.900)	1225354	200.000	197.60
72 n-Propylbenzene	120	8.919	8.919	(0.911)	1053642	200.000	199.22
73 2-Chlorotoluene	126	9.002	9.002	(0.919)	993082	200.000	197.74
74 1,3,5-Trimethylbenzene	105	9.084	9.084	(0.927)	3197841	200.000	206.95(A)
75 4-Chlorotoluene	126	9.108	9.108	(0.930)	1054849	200.000	200.75(A)
76 tert-Butylbenzene	119	9.404	9.404	(0.960)	2736655	200.000	206.76(A)
77 1,2,4-Trimethylbenzene	105	9.451	9.451	(0.965)	3318744	200.000	203.47(A)
78 sec-Butylbenzene	105	9.617	9.617	(0.982)	3654688	200.000	210.20(A)
79 4-Isopropyltoluene	119	9.759	9.759	(0.996)	3165390	200.000	210.89(A)
80 1,3-Dichlorobenzene	146	9.723	9.723	(0.993)	1982471	200.000	200.59(A)
81 1,4-Dichlorobenzene	146	9.818	9.818	(1.002)	2086406	200.000	200.59(A)
82 n-Butylbenzene	91	10.161	10.161	(1.037)	2689025	200.000	211.45(A)
83 1,2-Dichlorobenzene	146	10.185	10.185	(1.040)	2018103	200.000	199.26
84 1,2-Dibromo-3-chloropropane	157	10.942	10.942	(1.117)	260272	200.000	190.22
85 1,2,4-Trichlorobenzene	180	11.782	11.782	(1.203)	1259209	200.000	204.00(A)
86 Hexachlorobutadiene	225	11.960	11.960	(1.221)	587919	200.000	200.60(A)
87 Naphthalene	128	12.019	12.019	(1.227)	3516918	200.000	198.91
88 1,2,3-Trichlorobenzene	180	12.268	12.268	(1.252)	1143677	200.000	202.20(A)
98 Cyclohexane	56	4.493	4.493	(0.909)	1319547	200.000	210.22(A)
143 Methyl Acetate	43	2.920	2.920	(0.591)	1278707	400.000	374.11
144 Methylcyclohexane	83	5.428	5.428	(1.098)	1149110	200.000	217.84
141 1,3,5-Trichlorobenzene	180	11.167	11.167	(1.140)	1311085	200.000	203.83

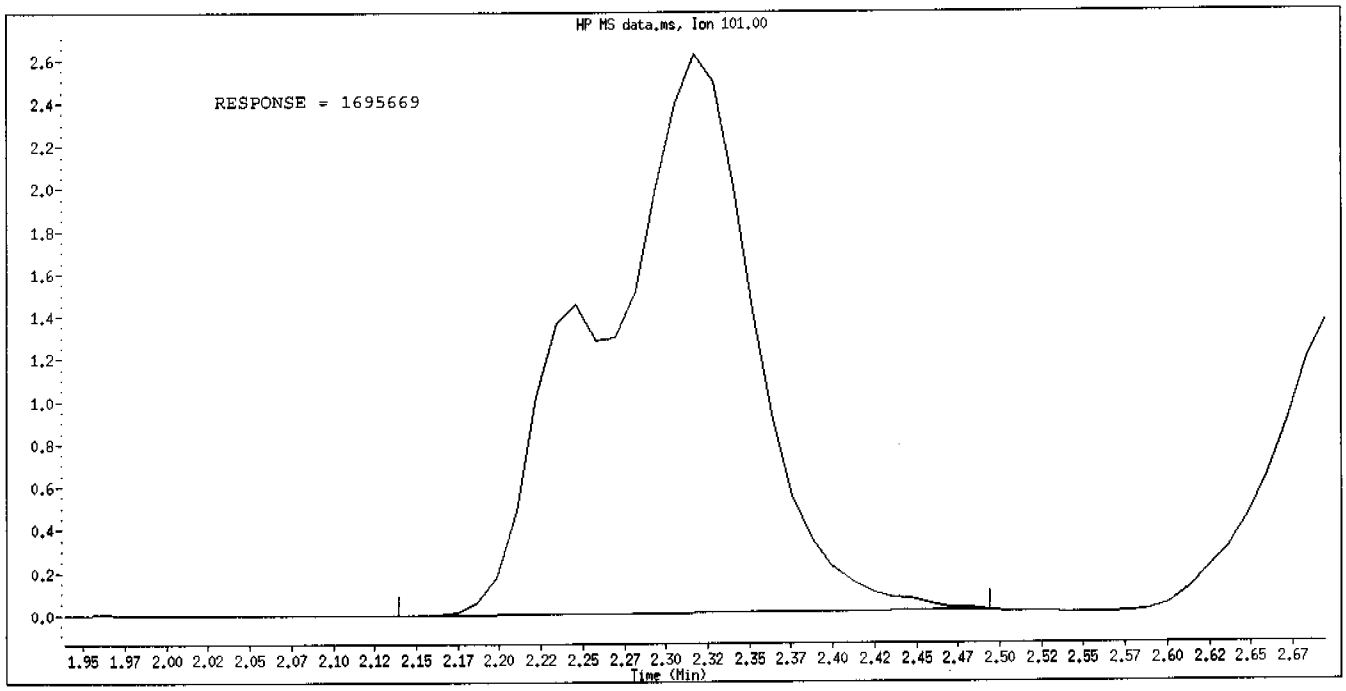
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Inj. Date and Time: 12-MAR-2004 13:11
Instrument ID: a3ux7.i
Client ID:
Compound Name: Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 03/15/2004



Original Integration



Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74117.D
Report Date: 15-Mar-2004 13:24

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id:
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 1-8260.sub
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\N8260UX7-3.m
Misc Info: U40312A,N8260UX7-3,,1754

Client SDG: SDGa00488
Fraction: VOA

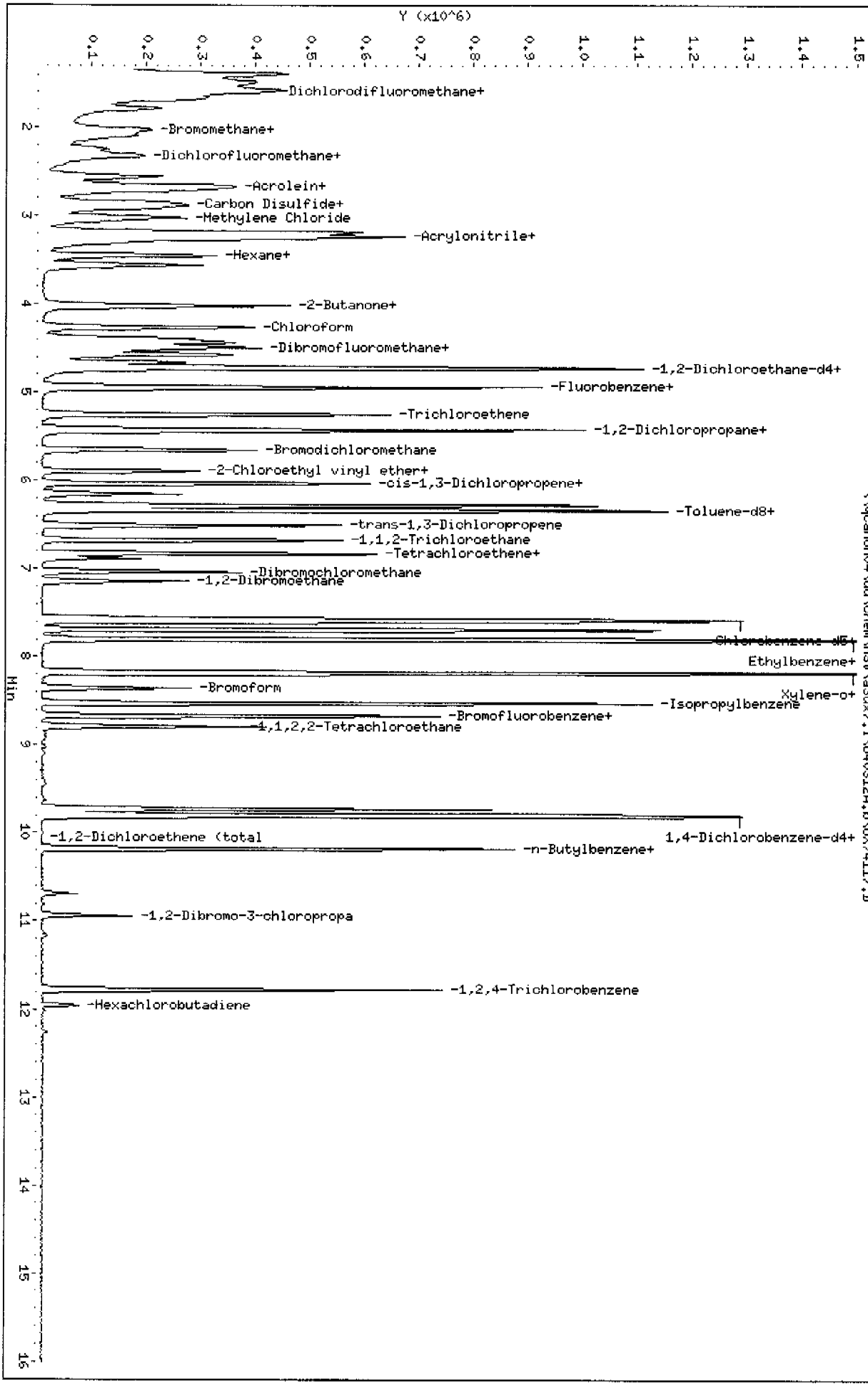
Operator: 1754
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	9.814	98.14	45-155
	42 Trichloroethene	10.000	9.697	96.97	45-155
	59 Chlorobenzene	10.000	9.562	95.62	45-155
	50 Toluene	10.000	9.465	94.65	45-155
	41 Benzene	10.000	9.368	93.68	45-155
	16 Acetone	10.000	6.114	61.14	45-155
	20 Carbon Disulfide	10.000	10.125	101.25	45-155
	9 Chloromethane	10.000	11.222	112.22	45-155
	11 Bromomethane	10.000	9.742	97.42	45-155
	10 Vinyl Chloride	10.000	11.015	110.15	45-155
	12 Chloroethane	10.000	10.184	101.84	45-155
	21 Methylene Chloride	10.000	9.244	92.44	45-155
	28 1,1-Dichloroethane	10.000	9.833	98.33	45-155
M	31 1,2-Dichloroethene	20.000	19.178	95.89	45-155
	35 Chloroform	10.000	9.611	96.11	45-155
	40 1,2-Dichloroethane	10.000	9.460	94.60	45-155
	30 2-Butanone	10.000	6.782	67.82	45-155
	37 1,1,1-Trichloroeth	10.000	9.562	95.62	45-155
	39 Carbon Tetrachlori	10.000	9.760	97.60	45-155
	46 Bromodichlorometha	10.000	9.575	95.75	45-155
	43 1,2-Dichloropropan	10.000	9.489	94.89	45-155
	48 cis-1,3-Dichloropr	10.000	9.460	94.60	45-155
	57 Dibromochlorometha	10.000	9.380	93.80	45-155
	53 1,1,2-Trichloroeth	10.000	9.117	91.17	45-155
	51 trans-1,3-Dichloro	10.000	9.281	92.81	45-155
	66 Bromoform	10.000	9.287	92.87	45-155
	49 4-Methyl-2-pentano	10.000	8.459	84.59	45-155
	56 2-Hexanone	10.000	7.340	73.40	45-155
	55 Tetrachloroethene	10.000	9.448	94.48	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.221	92.21	45-155
	61 Ethylbenzene	10.000	9.506	95.06	45-155
	65 Styrene	10.000	9.547	95.47	45-155
	62 m + p-Xylene	20.000	19.346	96.73	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74117.D
Report Date: 15-Mar-2004 13:24

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
M 63 Xylenes (total)	30.000	28.879	96.26	45-155
64 Xylene-o	10.000	9.533	95.33	45-155
32 cis-1,2-dichloroet	10.000	9.550	95.50	45-155
25 trans-1,2-Dichloro	10.000	9.628	96.28	45-155
8 Dichlorodifluorome	10.000	12.429	124.29	45-155
13 Trichlorofluoromet	10.000	11.934	119.34	45-155
18 Freon-113	10.000	11.271	112.71	45-155
24 Methyl tert-butyl	10.000	8.851	88.51	45-155
58 1,2-Dibromoethane	10.000	9.241	92.41	45-155
67 Isopropylbenzene	10.000	10.076	100.76	45-155
80 1,3-Dichlorobenzen	10.000	10.055	100.55	45-155
81 1,4-Dichlorobenzen	10.000	10.041	100.41	45-155
83 1,2-Dichlorobenzen	10.000	9.733	97.33	45-155
84 1,2-Dibromo-3-chlo	10.000	9.313	93.13	45-155
85 1,2,4-Trichloroben	10.000	10.206	102.06	45-155
98 Cyclohexane	10.000	9.688	96.88	45-155
143 Methyl Acetate	10.000	8.919	89.19	45-155
144 Methylcyclohexane	10.000	9.774	97.74	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.516	95.16	73-122
$ 5 1,2-Dichloroethane	10.000	9.326	93.26	61-128
$ 6 Toluene-d8	10.000	9.493	94.93	76-110
$ 7 Bromofluorobenzene	10.000	9.086	90.86	74-116


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74117.D
Date : 12-MAR-2004 14:36
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
Dichlorodifluoromethane+
-Bromomethane+
-Dichlorofluoromethane+
-Acrolein+
-Carbon Disulfide+
-Methylene Chloride
-Acrylonitrile+
-Hexane+
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-1,2-Dichloroethane-d4+
-Fluorobenzene+
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether+
-cis-1,3-Dichloropropene+
-Toluene-d8+
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene+
-1,1,2,2-Tetrachloroethane
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74117.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74117.D
Report Date: 15-Mar-2004 13:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74117.D
Lab Smp Id:
Inj Date : 12-MAR-2004 14:36
Operator : 1754 Inst ID: a3ux7.i
Smp Info : ICV
Misc Info : U40312A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\N8260UX7-3.m
Meth Date : 15-Mar-2004 13:11 roachc Quant Type: ISTD
Cal Date : 12-MAR-2004 13:11 Cal File: UX74115.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.940	4.943	(1.000)	1032244	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.570	(1.000)	792491	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.794	(1.000)	356821	50.0000	
$ 4 Dibromofluoromethane	113	4.384	4.387	(0.887)	212257	47.5783	9.516
$ 5 1,2-Dichloroethane-d4	65	4.656	4.659	(0.943)	246807	46.6325	9.326
$ 6 Toluene-d8	98	6.277	6.280	(0.830)	842068	47.4661	9.493
$ 7 Bromofluorobenzene	95	8.668	8.670	(1.145)	287320	45.4326	9.086
8 Dichlorodifluoromethane	85	1.592	1.594	(0.322)	297451	62.1437	12.429
9 Chloromethane	50	1.674	1.677	(0.339)	374399	56.1081	11.222
10 Vinyl Chloride	62	1.781	1.784	(0.361)	330382	55.0756	11.015
11 Bromomethane	94	2.029	2.020	(0.411)	227946	48.7108	9.742
12 Chloroethane	64	2.089	2.091	(0.423)	206651	50.9216	10.184
13 Trichlorofluoromethane	101	2.313	2.316	(0.468)	423789	59.6698	11.934(M)
15 Acrolein	56	2.550	2.553	(0.516)	418449	570.369	114.07
16 Acetone	43	2.668	2.659	(0.540)	65430	30.5676	6.114
17 1,1-Dichloroethene	96	2.657	2.659	(0.538)	225794	49.0704	9.814
18 Freon-113	151	2.704	2.707	(0.547)	183844	56.3533	11.271
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74117.D
Report Date: 15-Mar-2004 13:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.858	2.849	(0.578)	787578	50.6269	10.125
	21 Methylene Chloride	84	3.023	3.026	(0.612)	244829	46.2186	9.244
	22 Acetonitrile	41	2.881	2.884	(0.583)	267668	496.634	99.327
	23 Acrylonitrile	53	3.189	3.192	(0.646)	782402	467.093	93.419
	24 Methyl tert-butyl ether	73	3.236	3.239	(0.655)	667248	44.2561	8.851
	25 trans-1,2-Dichloroethene	96	3.236	3.239	(0.655)	250732	48.1406	9.628
	26 Hexane	86	3.449	3.452	(0.698)	44392	54.2410	10.848
	27 Vinyl acetate	43	3.449	3.582	(0.698)	145634	16.5671	3.313
	28 1,1-Dichloroethane	63	3.556	3.559	(0.720)	400486	49.1655	9.833
	29 tert-Butyl Alcohol	59	3.236	3.085	(0.655)	11700	32.4099	6.482
	30 2-Butanone	43	4.005	4.008	(0.811)	90580	33.9099	6.782
M	31 1,2-Dichloroethene (total)	96				512808	95.8894	19.178
	32 cis-1,2-dichloroethene	96	4.017	4.020	(0.813)	262076	47.7488	9.550
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.266	4.269	(0.863)	397660	48.0569	9.611
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.431	4.434	(0.897)	362086	47.8098	9.562
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.573	4.576	(0.926)	308720	48.7981	9.760
	40 1,2-Dichloroethane	62	4.727	4.730	(0.957)	293510	47.3029	9.460
	41 Benzene	78	4.727	4.730	(0.957)	981838	46.8405	9.368
	42 Trichloroethene	130	5.248	5.251	(1.062)	264673	48.4863	9.697
	43 1,2-Dichloropropane	63	5.425	5.428	(1.098)	226101	47.4462	9.489
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.650	5.653	(1.144)	300286	47.8739	9.575
	47 2-Chloroethyl vinyl ether	63	5.887	5.890	(1.192)	143324	45.8391	9.168
	48 cis-1,3-Dichloropropene	75	6.029	6.032	(1.220)	385692	47.2984	9.460
	49 4-Methyl-2-pentanone	43	6.147	6.150	(1.244)	191905	42.2951	8.459
	50 Toluene	91	6.337	6.339	(0.837)	1047750	47.3255	9.465
	51 trans-1,3-Dichloropropene	75	6.502	6.505	(0.859)	340615	46.4072	9.281
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.668	6.671	(0.881)	200014	45.5858	9.117
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.824	(0.903)	184869	47.2403	9.448
	56 2-Hexanone	43	6.881	6.884	(0.909)	131631	36.7003	7.340
	57 Dibromochloromethane	129	7.035	7.037	(0.930)	241308	46.8978	9.380
	58 1,2-Dibromoethane	107	7.141	7.144	(0.944)	209338	46.2068	9.241
	59 Chlorobenzene	112	7.591	7.594	(1.003)	660407	47.8076	9.562
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.688	(1.017)	337716	47.5284	9.506
	62 m + p-Xylene	106	7.804	7.807	(1.031)	831551	96.7296	19.346
M	63 Xylenes (total)	106				1240725	144.397	28.879
	64 Xylene-o	106	8.171	8.173	(1.080)	409174	47.6671	9.533
	65 Styrene	104	8.182	8.185	(1.081)	731125	47.7361	9.547
	66 Bromoform	173	8.360	8.363	(1.105)	163402	46.4352	9.287

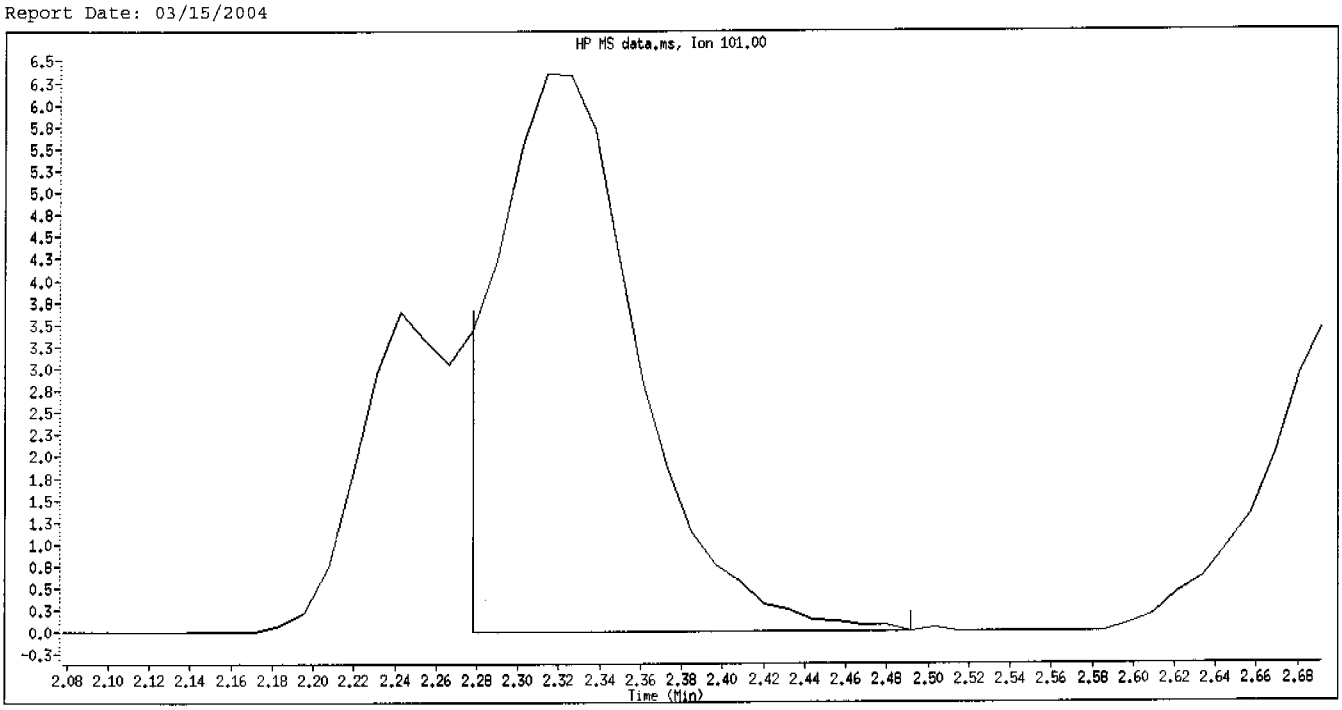
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\UX74117.D
Report Date: 15-Mar-2004 13:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.526	8.528	(1.127)	874945	50.3784	10.076
68 1,1,2,2-Tetrachloroethane	83	8.786	8.789	(0.897)	238138	46.1033	9.221
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.733	9.723	(0.994)	463120	50.2732	10.055
81 1,4-Dichlorobenzene	146	9.815	9.818	(1.002)	486755	50.2067	10.041
82 n-Butylbenzene	91	10.170	10.161	(1.039)	9160	0.77276	0.1546
83 1,2-Dichlorobenzene	146	10.182	10.185	(1.040)	459399	48.6635	9.733
84 1,2-Dibromo-3-chloropropane	157	10.939	10.942	(1.117)	59385	46.5646	9.313
85 1,2,4-Trichlorobenzene	180	11.780	11.782	(1.203)	293608	51.0320	10.206
86 Hexachlorobutadiene	225	11.957	11.960	(1.221)	16685	3.97857	0.7957
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.491	4.493	(0.909)	300247	48.4423	9.688
143 Methyl Acetate	43	2.929	2.920	(0.593)	150511	44.5962	8.919
144 Methylcyclohexane	83	5.425	5.428	(1.098)	254537	48.8681	9.774
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

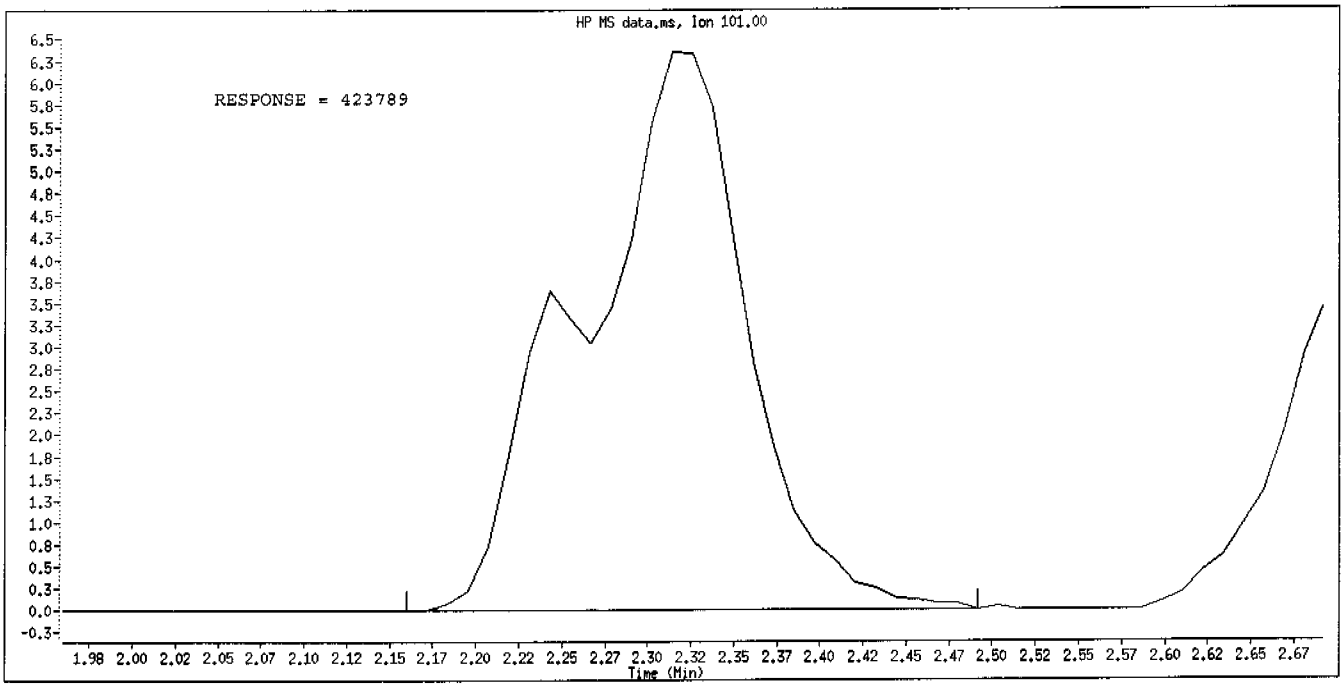
QC Flag Legend

M - Compound response manually integrated.

Inj. Date and Time: 12-MAR-2004 14:36
Instrument ID: a3ux7.i
Client ID:
Compound Name: Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 03/15/2004



Original Integration

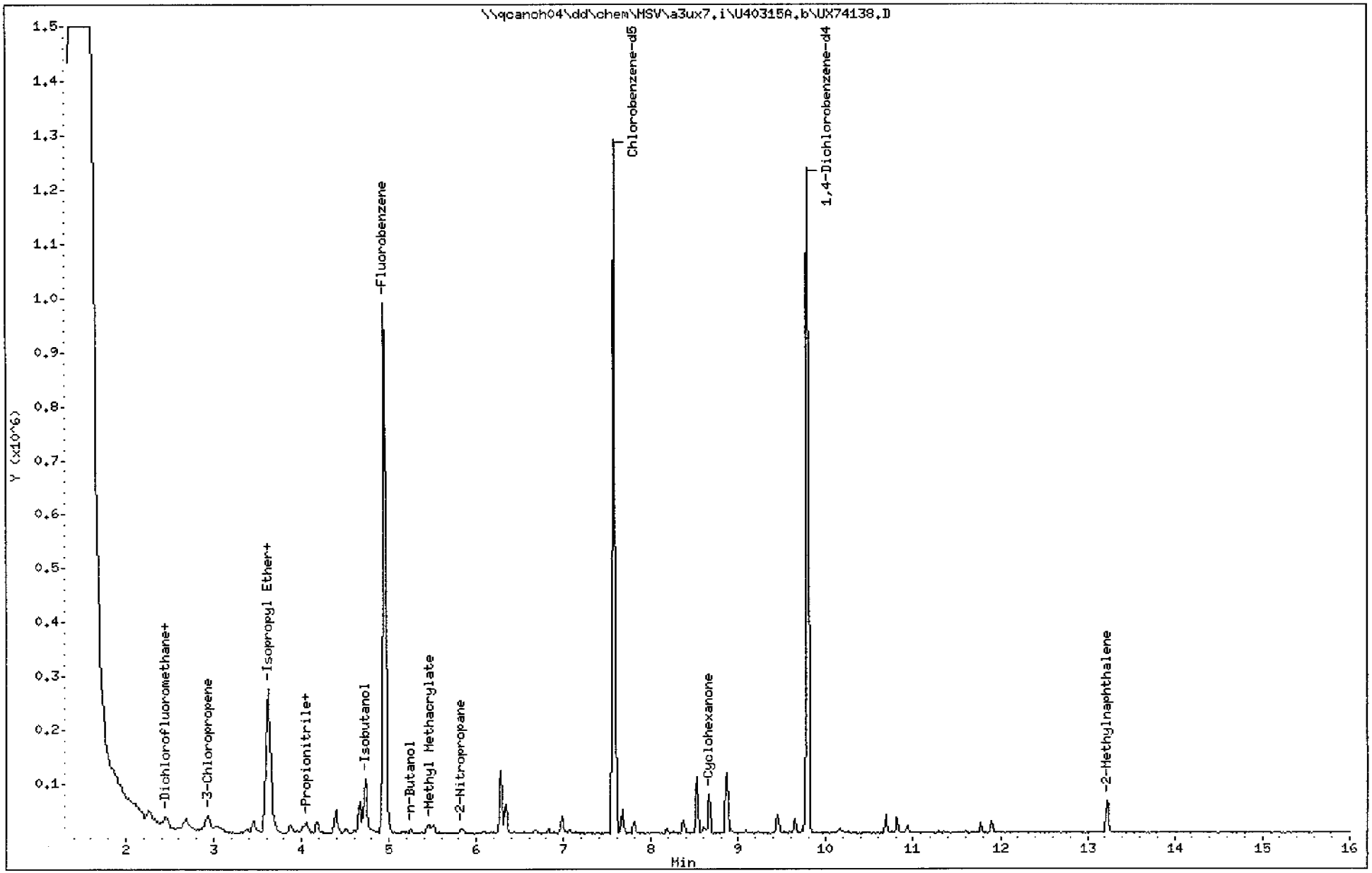


Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74138.D
Date : 15-MAR-2004 08:10
Client ID:
Sample Info: 5.0NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74138.D
Report Date: 17-Mar-2004 12:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74138.D
Lab Smp Id: 5.0NGA9CAL
Inj Date : 15-MAR-2004 08:10
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 5.0NGA9CAL
Misc Info : U40315A,N8260UX7-3,3-IX.SUB,1754,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
Meth Date : 17-Mar-2004 12:53 roachc Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

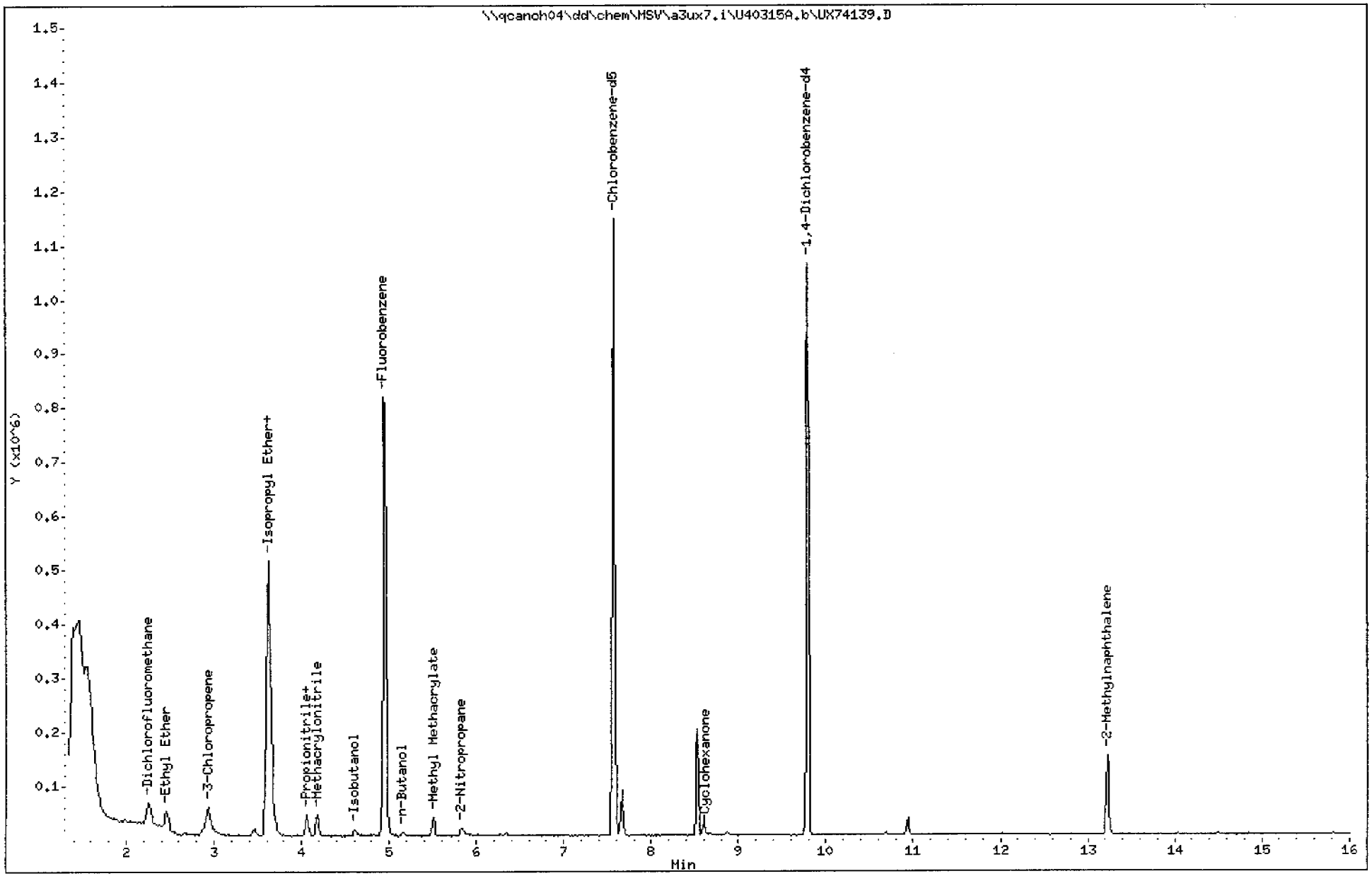
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.940	4.940	(1.000)	1169489	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	871413	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	402224	50.0000	
14 Dichlorofluoromethane	67	2.254	2.254	(0.456)	52368	5.00000	4.865
89 Ethyl Ether	59	2.467	2.467	(0.499)	19447	5.00000	4.712
91 3-Chloropropene	76	2.928	2.928	(0.593)	21802	5.00000	8.548
92 Isopropyl Ether	87	3.615	3.615	(0.732)	113045	25.0000	23.057
93 2-Chloro-1,3-butadiene	53	3.638	3.638	(0.737)	27388	5.00000	4.020
94 Propionitrile	54	4.053	4.053	(0.820)	6463	10.0000	9.816
95 Ethyl Acetate	43	4.053	4.053	(0.820)	48806	10.0000	17.500
96 Methacrylonitrile	41	4.183	4.183	(0.847)	16851	5.00000	5.450
97 Isobutanol	41	4.597	4.597	(0.608)	5565	100.000	146.07
99 n-Butanol	56	5.165	5.165	(0.683)	1740	100.000	159.18
100 Methyl Methacrylate	41	5.496	5.496	(1.113)	10691	5.00000	7.776
101 2-Nitropropane	41	5.827	5.827	(1.180)	5455	10.0000	10.258
103 Cyclohexanone	55	8.608	8.608	(0.879)	4960	50.0000	63.023
146 2-Methylnaphthalene	142	13.223	13.223	(1.350)	48228	10.0000	18.334

Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74139.D
Date : 15-MAR-2004 08:34
Client ID:
Sample Info: 10NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i

Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74139.D
Report Date: 17-Mar-2004 12:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74139.D
Lab Smp Id: 10NGA9CAL
Inj Date : 15-MAR-2004 08:34
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 10NGA9CAL
Misc Info : U40315A,N8260UX7-3,3-IX.SUB,1754,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\N8260UX7-3.m
Meth Date : 17-Mar-2004 12:54 roachc Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1003867	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	764653	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	351796	50.0000	
14 Dichlorofluoromethane	67	2.254	2.254	(0.455)	95451	10.0000	10.331
89 Ethyl Ether	59	2.467	2.467	(0.498)	36006	10.0000	10.164
91 3-Chloropropene	76	2.929	2.929	(0.591)	21677	10.0000	9.902
92 Isopropyl Ether	87	3.615	3.615	(0.730)	214012	50.0000	50.852
93 2-Chloro-1,3-butadiene	53	3.639	3.639	(0.735)	58458	10.0000	9.996
94 Propionitrile	54	4.065	4.065	(0.821)	11252	20.0000	19.909
95 Ethyl Acetate	43	4.053	4.053	(0.818)	51493	20.0000	20.596
96 Methacrylonitrile	41	4.183	4.183	(0.845)	27411	10.0000	10.328
97 Isobutanol	41	4.609	4.609	(0.609)	8477	200.000	208.34(A)
99 n-Butanol	56	5.153	5.153	(0.681)	4105	200.000	241.99(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	20970	10.0000	12.048
101 2-Nitropropane	41	5.828	5.828	(1.177)	9420	20.0000	20.636
103 Cyclohexanone	55	8.597	8.597	(0.878)	12829	100.000	116.09
146 2-Methylnaphthalene	142	13.223	13.223	(1.350)	104238	20.0000	26.017

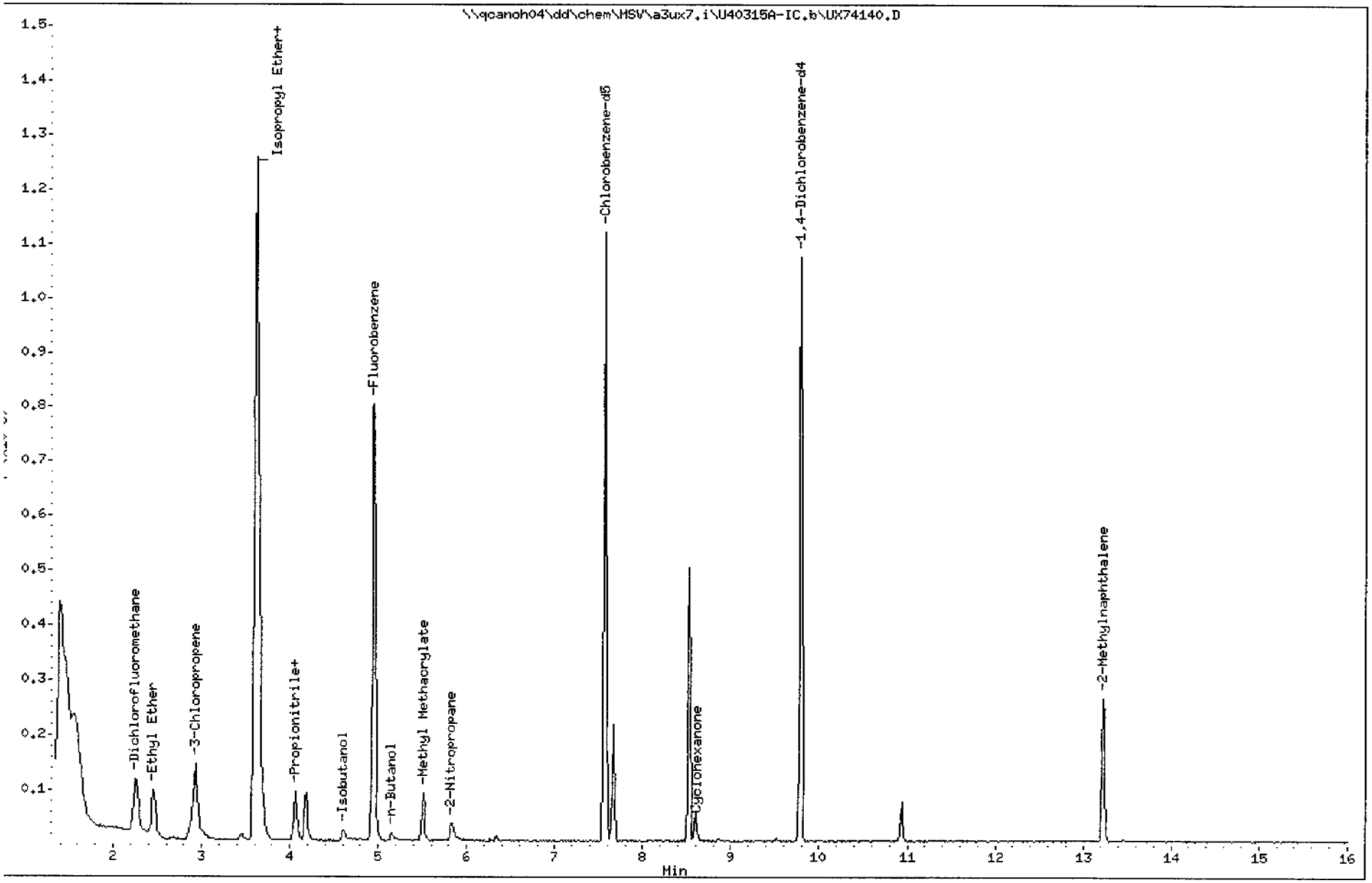
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\UX74139.D
Report Date: 17-Mar-2004 12:54

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\UX74140.D
Date : 15-MAR-2004 08:58
Client ID:
Sample Info: 25NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\UX74140.D
Report Date: 17-Mar-2004 13:08

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\UX74140.D
Lab Smp Id: 25NGA9CAL
Inj Date : 15-MAR-2004 08:58
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 25NGA9CAL
Misc Info : U40315A,N8260UX7-3,3-IX.SUB,1754,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\N8260UX7-3.m
Meth Date : 17-Mar-2004 13:08 roachc Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	986934	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	764824	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	351378	50.0000	
14 Dichlorofluoromethane	67	2.266	2.266	(0.458)	219543	25.0000	24.169
89 Ethyl Ether	59	2.455	2.455	(0.496)	84561	25.0000	24.280
91 3-Chloropropene	76	2.928	2.928	(0.591)	51360	25.0000	23.862
92 Isopropyl Ether	87	3.614	3.614	(0.730)	516455	125.000	124.82
93 2-Chloro-1,3-butadiene	53	3.638	3.638	(0.735)	142801	25.0000	24.838
94 Propionitrile	54	4.052	4.052	(0.818)	25675	50.0000	46.208
95 Ethyl Acetate	43	4.052	4.052	(0.818)	123977	50.0000	44.488
96 Methacrylonitrile	41	4.182	4.182	(0.845)	60217	25.0000	23.078
97 Isobutanol	41	4.608	4.608	(0.609)	20533	500.000	415.36(A)
99 n-Butanol	56	5.153	5.153	(0.681)	9974	500.000	427.40(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	51701	25.0000	23.364
101 2-Nitropropane	41	5.827	5.827	(1.177)	19028	50.0000	42.399
103 Cyclohexanone	55	8.596	8.596	(0.878)	29443	250.000	219.98(A)
146 2-Methylnaphthalene	142	13.223	13.223	(1.350)	186418	50.0000	36.291

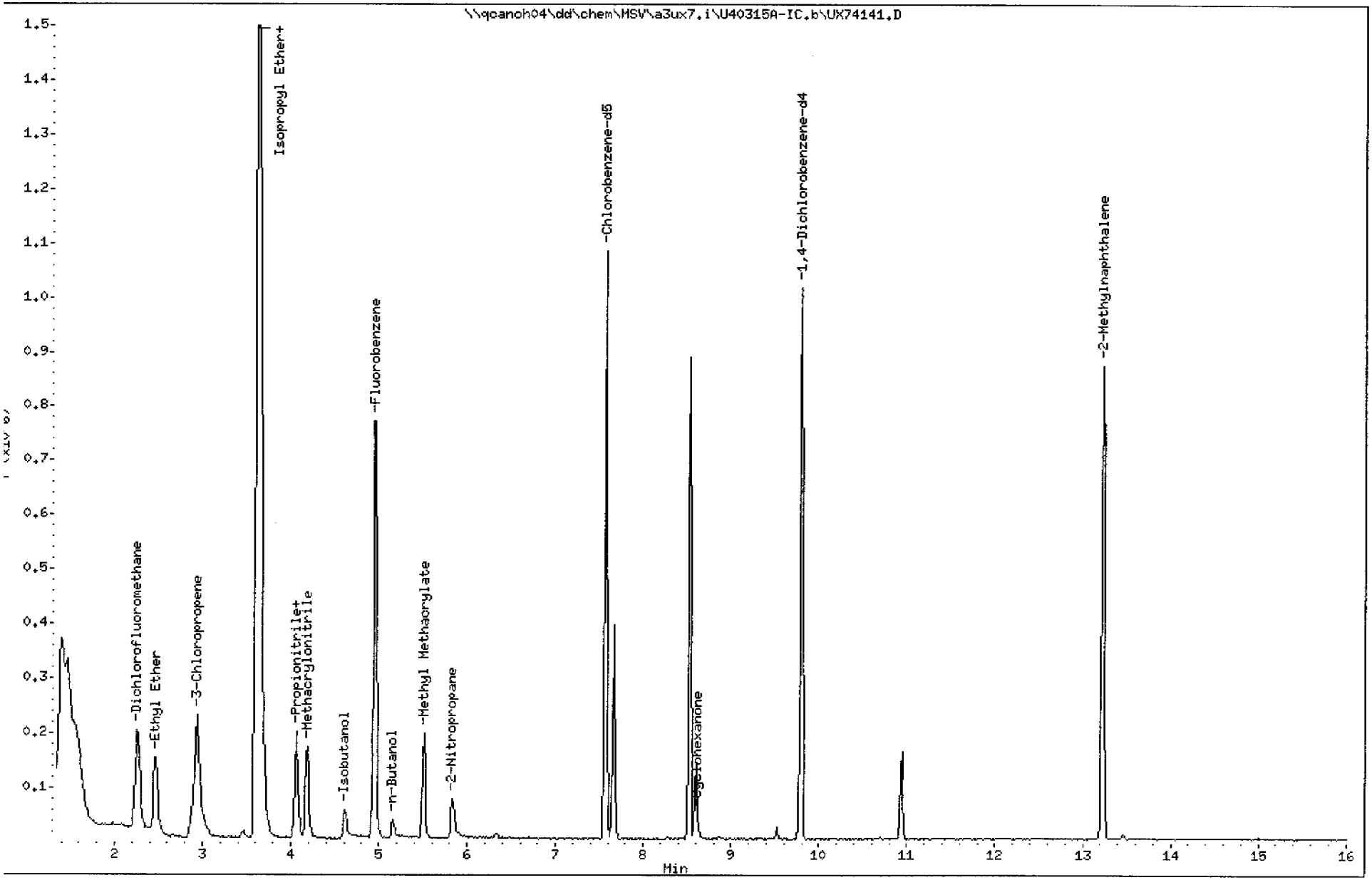
Data File: \\quanchv1\dd\CHEM\MSV\dsua7.i\040513A-1C.D\DA74140.D
Report Date: 17-Mar-2004 13:08

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\UX74141.D
Date : 15-MAR-2004 09:21
Client ID:
Sample Info: 50NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



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VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\UX74141.D
Lab Smp Id: 50NGA9CAL
Inj Date : 15-MAR-2004 09:21
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9CAL
Misc Info : U40315A,N8260UX7-3,3-IX.SUB,1754,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\N8260UX7-3.m
Meth Date : 17-Mar-2004 13:08 roachc Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.953	4.953	(1.000)	950107	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	725823	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.793	9.793	(1.000)	335960	50.0000	
14 Dichlorofluoromethane	67	2.255	2.255	(0.455)	387384	50.0000	44.299
89 Ethyl Ether	59	2.468	2.468	(0.498)	155257	50.0000	46.308
91 3-Chloropropene	76	2.930	2.930	(0.592)	94301	50.0000	45.512
92 Isopropyl Ether	87	3.616	3.616	(0.730)	904249	250.000	227.02(A)
93 2-Chloro-1,3-butadiene	53	3.640	3.640	(0.735)	259345	50.0000	46.857
94 Propionitrile	54	4.054	4.054	(0.818)	52831	100.000	98.768
95 Ethyl Acetate	43	4.054	4.054	(0.818)	264863	100.000	92.782
96 Methacrylonitrile	41	4.184	4.184	(0.845)	119275	50.0000	47.484
97 Isobutanol	41	4.610	4.610	(0.609)	54618	1000.00	1034.0(A)
99 n-Butanol	56	5.154	5.154	(0.681)	25195	1000.00	928.54(A)
100 Methyl Methacrylate	41	5.509	5.509	(1.112)	104957	50.0000	43.710
101 2-Nitropropane	41	5.829	5.829	(1.177)	44960	100.000	104.06
103 Cyclohexanone	55	8.597	8.597	(0.878)	69516	500.000	489.17(A)
146 2-Methylnaphthalene	142	13.224	13.224	(1.350)	615445	100.000	94.873

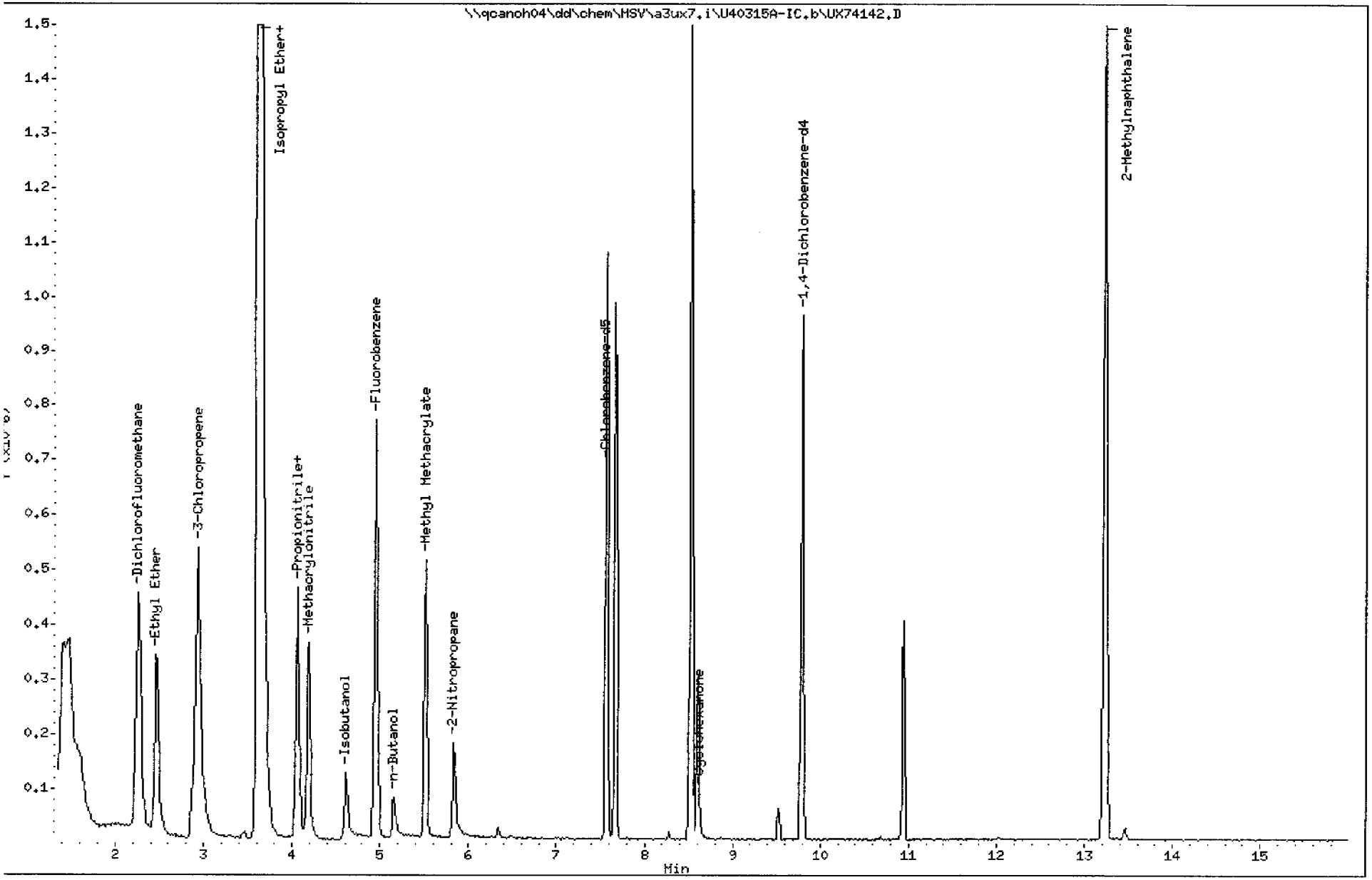
Data File: \\qcanon04\dd\chem\MSV\a3ux7.i\040315A-1C.D\ux74141.D
Report Date: 17-Mar-2004 13:08

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40315A-IC.b\UX74142.D
Date : 15-MAR-2004 09:45
Client ID:
Sample Info: 100NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\UX74142.D
Lab Smp Id: 100NGA9CAL
Inj Date : 15-MAR-2004 09:45
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 100NGA9CAL
Misc Info : U40315A,N8260UX7-3,3-IX.SUB,1754,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\N8260UX7-3.m
Meth Date : 17-Mar-2004 13:09 roachc Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	4.954	4.954	(1.000)	933788	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	725182	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	334614	50.0000	
14 Dichlorofluoromethane	67	2.256	2.256	(0.455)	934055	100.000	108.68
89 Ethyl Ether	59	2.457	2.457	(0.496)	358279	100.000	108.73
91 3-Chloropropene	76	2.931	2.931	(0.592)	221326	100.000	108.68
92 Isopropyl Ether	87	3.617	3.617	(0.730)	2121362	500.000	541.89(A)
93 2-Chloro-1,3-butadiene	53	3.641	3.641	(0.735)	615438	100.000	113.14
94 Propionitrile	54	4.055	4.055	(0.818)	111101	200.000	211.33(A)
95 Ethyl Acetate	43	4.055	4.055	(0.818)	610062	200.000	205.57(A)
96 Methacrylonitrile	41	4.185	4.185	(0.845)	254912	100.000	103.26
97 Isobutanol	41	4.611	4.611	(0.609)	112385	2000.00	1996.7(A)
99 n-Butanol	56	5.155	5.155	(0.681)	64955	2000.00	2048.0(A)
100 Methyl Methacrylate	41	5.510	5.510	(1.112)	274913	100.000	103.67
101 2-Nitropropane	41	5.830	5.830	(1.177)	80748	200.000	190.16
103 Cyclohexanone	55	8.599	8.599	(0.878)	150340	1000.00	1014.5(A)
146 2-Methylnaphthalene	142	13.225	13.225	(1.350)	1390292	200.000	205.77

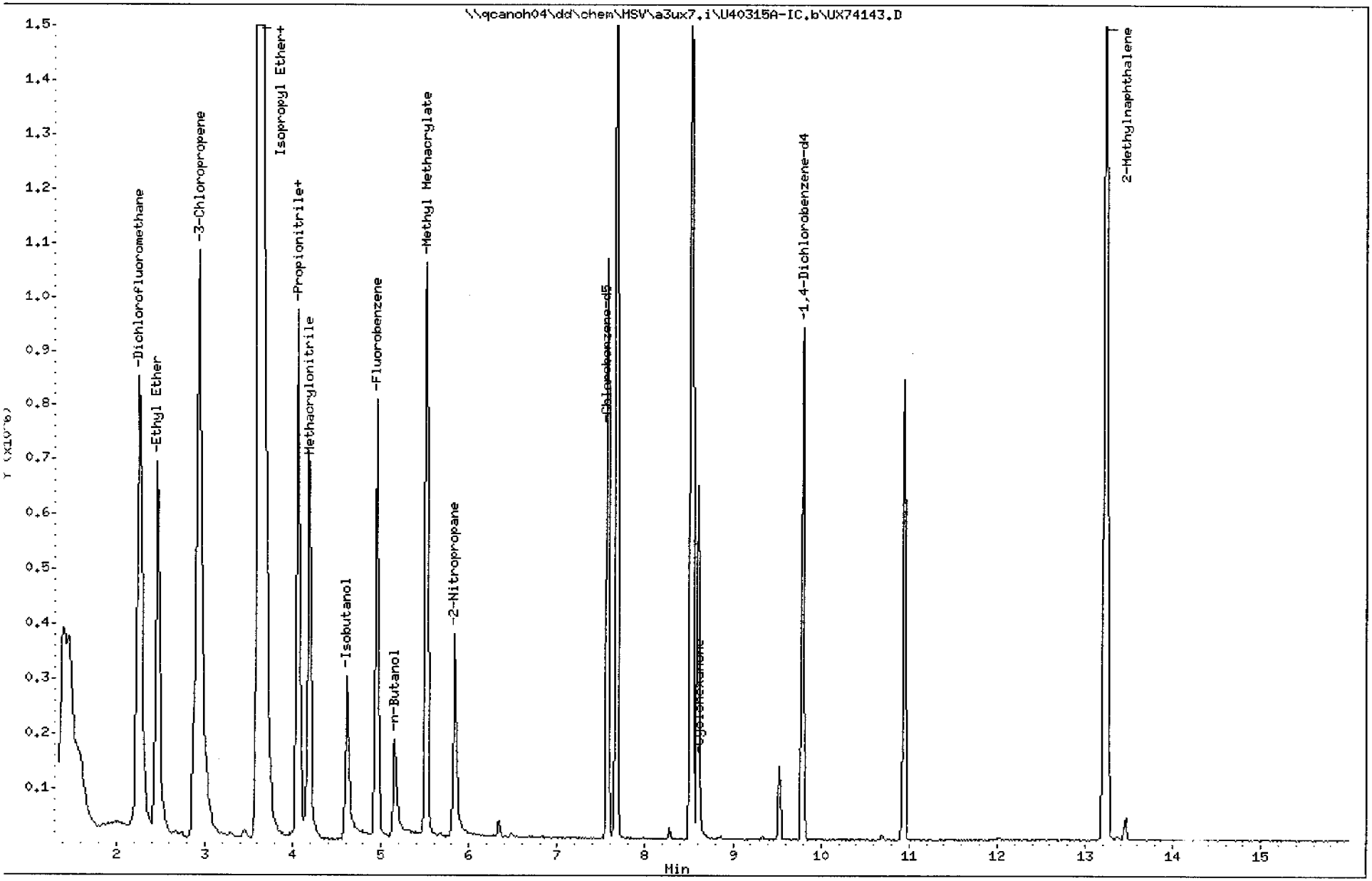
Data File: \\qcanon04\dd\chem\MSV\a3ux7.1\040315A-1C.D\UX74142.D
Report Date: 17-Mar-2004 13:09

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\UX74143.D
Date : 15-MAR-2004 10:09
Client ID:
Sample Info: 200NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\UX74143.D
Lab Smp Id: 200NGA9CAL
Inj Date : 15-MAR-2004 10:09
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 200NGA9CAL
Misc Info : U40315A,N8260UX7-3,3-IX.SUB,1754,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A-IC.b\N8260UX7-3.m
Meth Date : 17-Mar-2004 13:10 roachc Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	4.943	4.943	(1.000)	931748	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	719651	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.795	(1.000)	335967	50.0000	
14 Dichlorofluoromethane	67	2.257	2.257	(0.457)	1808377	200.000	210.87(A)
89 Ethyl Ether	59	2.458	2.458	(0.497)	694725	200.000	211.29(A)
91 3-Chloropropene	76	2.932	2.932	(0.593)	430080	200.000	211.66(A)
92 Isopropyl Ether	87	3.618	3.618	(0.732)	4180769	1000.00	1070.3(A)
93 2-Chloro-1,3-butadiene	53	3.642	3.642	(0.737)	1231429	200.000	226.87(A)
94 Propionitrile	54	4.056	4.056	(0.820)	221248	400.000	421.77(A)
95 Ethyl Acetate	43	4.056	4.056	(0.820)	1271838	400.000	399.06(A)
96 Methacrylonitrile	41	4.174	4.174	(0.844)	478799	200.000	194.37
97 Isobutanol	41	4.612	4.612	(0.609)	247611	4000.00	3999.5(A)
99 n-Butanol	56	5.156	5.156	(0.681)	170315	4000.00	3994.8(A)
100 Methyl Methacrylate	41	5.511	5.511	(1.115)	602132	200.000	199.43
101 2-Nitropropane	41	5.831	5.831	(1.180)	186935	400.000	441.20(A)
103 Cyclohexanone	55	8.600	8.600	(0.878)	305907	2000.00	1997.3(A)
146 2-Methylnaphthalene	142	13.226	13.226	(1.350)	2636385	400.000	398.71

Data File: \\qcanon04\dd\chem\MSV\a5ux7.i\040315A-1C.D\0x74143.D
Report Date: 17-Mar-2004 13:10

QC Flag Legend

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

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Start Cal Date: 12-MAR-2004 11:13
End Cal Date : 15-MAR-2004 10:09
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
15-MAR-2004 08:10	3-IX	UX74138.D
12-MAR-2004 11:13	1-8260	UX74110.D
Cal Level: 2 , Cal Amount: 10.000		
15-MAR-2004 08:34	3-IX	UX74139.D
12-MAR-2004 11:37	1-8260	UX74111.D
Cal Level: 3 , Cal Amount: 25.000		
15-MAR-2004 08:58	3-IX	UX74140.D
12-MAR-2004 12:01	1-8260	UX74112.D
Cal Level: 4 , Cal Amount: 50.000		
15-MAR-2004 09:21	3-IX	UX74141.D
12-MAR-2004 12:24	1-8260	UX74113.D
Cal Level: 5 , Cal Amount: 100.00		
15-MAR-2004 09:45	3-IX	UX74142.D
12-MAR-2004 12:48	1-8260	UX74114.D
Cal Level: 6 , Cal Amount: 200.00		
15-MAR-2004 10:09	3-IX	UX74143.D
12-MAR-2004 13:11	1-8260	UX74115.D

Continuing Calibration

09-APR-2004 09:19	1-8260	UX74654.D
09-APR-2004 09:43	3-IX	UX74655.D
~~09-APR-2004 09:19~~	~~1-8260~~	~~UX74654.D~~

4/12/04

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74654.D
Report Date: 09-Apr-2004 12:21

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 09-APR-2004 09:19
Lab File ID: UX74654.D Init. Cal. Date(s): 12-MAR-2004 15-MAR-2004
Analysis Type: WATER Init. Cal. Times: 11:13 10:09
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.21609	0.22420	0.010	3.8	50.0	
$	5 1,2-Dichloroethane-d4	0.25636	0.26490	0.010	3.3	50.0	
$	6 Toluene-d8	1.11928	1.11418	0.010	-0.5	50.0	
$	7 Bromofluorobenzene	0.39900	0.33898	0.010	-15.0	50.0	
	8 Dichlorodifluoromethane	0.23185	0.24005	0.010	3.5	50.0	
	9 Chloromethane	0.32322	0.33558	0.100	3.8	50.0	
	10 Vinyl Chloride	0.29057	0.33643	0.010	15.8	20.0	
	11 Bromomethane	0.22667	0.28894	0.010	27.5	50.0	
	12 Chloroethane	0.19657	0.25015	0.010	27.3	50.0	
	13 Trichlorofluoromethane	0.34402	0.43887	0.010	27.6	50.0	
	15 Acrolein	0.03554	0.04265	0.010	20.0	50.0	
	16 Acetone	100	81.95649	0.010	18.0	50.0	
	17 1,1-Dichloroethene	0.22288	0.23695	0.010	6.3	20.0	
	18 Freon-113	50.00000	58.40841	0.010	-16.8	50.0	
	19 Iodomethane	0.38152	0.35753	0.010	-6.3	50.0	
	20 Carbon Disulfide	0.75353	0.84957	0.010	12.7	50.0	
	21 Methylene Chloride	0.25659	0.29137	0.010	13.6	50.0	
	22 Acetonitrile	0.02611	0.04208	0.010	61.2	50.0	<-
	23 Acrylonitrile	0.08114	0.12188	0.010	50.2	50.0	<-
	24 Methyl tert-butyl ether	0.73030	0.63522	0.010	-13.0	50.0	
	25 trans-1,2-Dichloroethene	0.25228	0.27744	0.010	10.0	50.0	
	26 Hexane	50.00000	47.04861	0.010	5.9	20.0	
	27 Vinyl acetate	0.42580	0.32140	0.010	-24.5	50.0	
	28 1,1-Dichloroethane	0.39456	0.43592	0.100	10.5	50.0	
	29 tert-Butyl Alcohol	0.01749	0.00962	0.010	-45.0	50.0	<-
	30 2-Butanone	0.12939	0.12071	0.010	-6.7	50.0	
M	31 1,2-Dichloroethene (total)	0.25907	0.27892	0.010	7.7	50.0	
	32 cis-1,2-dichloroethene	0.26586	0.28040	0.010	5.5	50.0	
	33 2,2-Dichloropropane	0.33342	0.20182	0.010	-39.5	50.0	
	34 Bromochloromethane	0.12871	0.12803	0.010	-0.5	50.0	
	35 Chloroform	0.40081	0.44970	0.010	12.2	20.0	
	36 Tetrahydrofuran	50.00000	41.70671	0.010	16.6	50.0	
	37 1,1,1-Trichloroethane	0.36684	0.36831	0.010	0.4	50.0	
	38 1,1-Dichloropropene	0.29610	0.29804	0.010	0.7	50.0	
	39 Carbon Tetrachloride	0.30644	0.31262	0.010	2.0	50.0	
	40 1,2-Dichloroethane	0.30055	0.33902	0.010	12.8	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74654.D
Report Date: 09-Apr-2004 12:21

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX74654.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m

Injection Date: 09-APR-2004 09:19
Init. Cal. Date(s): 12-MAR-2004 15-MAR-2004
Init. Cal. Times: 11:13 10:09
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.01533	1.08141	0.010	6.5	50.0	
	42 Trichloroethene	0.26441	0.28098	0.010	6.3	50.0	
	43 1,2-Dichloropropane	0.23083	0.24178	0.010	4.7	20.0	
	44 1,4-Dioxane	0.00179	0.00219	0.010	22.8	50.0	<-
	45 Dibromomethane	0.13662	0.13944	0.010	2.1	50.0	
	46 Bromodichloromethane	0.30383	0.33547	0.010	10.4	50.0	
	47 2-Chloroethyl vinyl ether	0.15145	0.12754	0.010	-15.8	50.0	
	48 cis-1,3-Dichloropropene	0.39499	0.36541	0.010	-7.5	50.0	
	49 4-Methyl-2-pentanone	0.21978	0.22754	0.010	3.5	50.0	
	50 Toluene	1.39681	1.48654	0.010	6.4	20.0	
	51 trans-1,3-Dichloropropene	0.46308	0.38647	0.010	-16.5	50.0	
	52 Ethyl Methacrylate	0.42553	0.30673	0.010	-27.9	50.0	
	53 1,1,2-Trichloroethane	0.27683	0.31606	0.010	14.2	50.0	
	54 1,3-Dichloropropane	0.47747	0.46629	0.010	-2.3	50.0	
	55 Tetrachloroethene	0.24690	0.26062	0.010	5.6	50.0	
	56 2-Hexanone	0.22629	0.19812	0.010	-12.4	50.0	
	57 Dibromochloromethane	0.32463	0.34108	0.010	5.1	50.0	
	58 1,2-Dibromoethane	0.28584	0.30605	0.010	7.1	50.0	
	59 Chlorobenzene	0.87155	0.94098	0.300	8.0	50.0	
	60 1,1,1,2-Tetrachloroethane	0.32790	0.27874	0.010	-15.0	50.0	
	61 Ethylbenzene	0.44831	0.47506	0.010	6.0	20.0	
	62 m + p-Xylene	0.54238	0.58837	0.010	8.5	50.0	
M	63 Xylenes (total)	0.54212	0.57972	0.010	6.9	50.0	
	64 Xylene-o	0.54158	0.56241	0.010	3.8	50.0	
	65 Styrene	0.96632	1.01342	0.010	4.9	50.0	
	66 Bromoform	0.22202	0.21637	0.100	-2.5	50.0	
	67 Isopropylbenzene	1.09575	1.09445	0.010	-0.1	50.0	
	68 1,1,2,2-Tetrachloroethane	0.72380	0.77878	0.300	7.6	50.0	
	69 1,4-Dichloro-2-butene	0.22591	0.18977	0.010	-16.0	50.0	
	70 1,2,3-Trichloropropane	0.25040	0.24173	0.010	-3.5	50.0	
	71 Bromobenzene	0.80995	0.70779	0.010	-12.6	50.0	
	72 n-Propylbenzene	0.69076	0.58793	0.010	-14.9	50.0	
	73 2-Chlorotoluene	0.65597	0.56128	0.010	-14.4	50.0	
	74 1,3,5-Trimethylbenzene	2.01821	1.63671	0.010	-18.9	50.0	
	75 4-Chlorotoluene	0.68629	0.59238	0.010	-13.7	50.0	
	76 tert-Butylbenzene	1.72878	1.33267	0.010	-22.9	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74654.D
Report Date: 09-Apr-2004 12:21

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX74654.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Injection Date: 09-APR-2004 09:19
Init. Cal. Date(s): 12-MAR-2004 15-MAR-2004
Init. Cal. Times: 11:13 10:09
Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.13039	1.71768	0.010	-19.4	50.0
78 sec-Butylbenzene	2.27094	1.81715	0.010	-20.0	50.0
79 4-Isopropyltoluene	1.96045	1.56299	0.010	-20.3	50.0
80 1,3-Dichlorobenzene	1.29085	1.27919	0.010	-0.9	50.0
81 1,4-Dichlorobenzene	1.35853	1.34460	0.010	-1.0	50.0
82 n-Butylbenzene	1.66101	1.26470	0.010	-23.9	50.0
83 1,2-Dichlorobenzene	1.32284	1.28508	0.010	-2.9	50.0
84 1,2-Dibromo-3-chloropropane	0.17871	0.16595	0.010	-7.1	50.0
85 1,2,4-Trichlorobenzene	0.80620	0.66348	0.010	-17.7	50.0
86 Hexachlorobutadiene	50.00000	38.99522	0.010	22.0	50.0
87 Naphthalene	2.30935	1.67188	0.010	-27.6	50.0
88 1,2,3-Trichlorobenzene	0.73877	0.55515	0.010	-24.9	50.0
98 Cyclohexane	0.30022	0.30604	0.010	1.9	50.0
143 Methyl Acetate	0.16348	0.20698	0.010	26.6	50.0
144 Methylcyclohexane	0.25230	0.25238	0.010	0.0	50.0
141 1,3,5-Trichlorobenzene	0.84012	0.62117	0.010	-26.1	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.D
Report Date: 04/09/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX74654.D
Analysis Type: WATER

Injection Date: 09-APR-2004 09:19
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	53.9833	8.0	50.0
0 Bromodichloromethane	50.0000	55.2080	10.4	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	53.7982	7.6	50.0
0 Bromoform	50.0000	48.7284	2.5	50.0
0 Styrene	50.0000	52.4370	4.9	50.0
0 Xylene-o	50.0000	51.9229	3.8	50.0
0 Xylenes (total)	150.0000	160.4012	6.9	50.0
0 2-Hexanone	100.0000	87.5506	12.4	50.0
0 Chloromethane	50.0000	51.9126	3.8	50.0
0 Vinyl Chloride	50.0000	57.8925	15.8	20.0
0 Bromomethane	50.0000	63.7348	27.5	50.0
0 Chloroethane	50.0000	63.6277	27.3	50.0
0 1,1-Dichloroethane	50.0000	55.2410	10.5	50.0
0 Tetrachloroethene	50.0000	52.7773	5.6	50.0
0 Acetone	100.0000	81.9565	18.0	50.0
0 1,1-Dichloroethene	50.0000	53.1563	6.3	20.0
0 m + p-Xylene	100.0000	108.4783	8.5	50.0
0 Ethylbenzene	50.0000	52.9836	6.0	20.0
0 Carbon Disulfide	50.0000	56.3727	12.7	50.0
0 Methylene Chloride	50.0000	56.7790	13.6	50.0
0 1,2-Dichloropropane	50.0000	52.3723	4.7	20.0
0 1,1,2-Trichloroethane	50.0000	57.0868	14.2	50.0
0 Dibromochloromethane	50.0000	52.5327	5.1	50.0
0 trans-1,2-Dichloroethene	50.0000	54.9856	10.0	50.0
0 trans-1,3-Dichloropropene	50.0000	41.7287	16.5	50.0
0 cis-1,3-Dichloropropene	50.0000	46.2565	7.5	50.0
0 Chloroform	50.0000	56.0988	12.2	20.0
0 Toluene	50.0000	53.2120	6.4	20.0
0 2-Butanone	100.0000	93.2899	6.7	50.0
0 1,2-Dichloroethene (total)	100.0000	107.7200	7.7	50.0
0 cis-1,2-dichloroethene	50.0000	52.7344	5.5	50.0
0 4-Methyl-2-pentanone	100.0000	103.5327	3.5	50.0
0 1,2-Dichloroethane	50.0000	56.3988	12.8	50.0
0 Trichloroethene	50.0000	53.1329	6.3	50.0
0 1,1,1-Trichloroethane	50.0000	50.2003	0.4	50.0
0 Carbon Tetrachloride	50.0000	51.0081	2.0	50.0
0 Benzene	50.0000	53.2541	6.5	50.0
38 Dichlorodifluoromethane	50.0000	51.7682	3.5	50.0
39 Trichlorofluoromethane	50.0000	63.7859	27.6	50.0

Report Date: 04/09/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX74654.D
Analysis Type: WATER

Injection Date: 09-APR-2004 09:19
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
40 Acrolein	500.0000	600.1289	20.0	50.0	
41 Acrylonitrile	500.0000	751.0740	50.2	50.0	<-
42 Vinyl acetate	50.0000	37.7406	24.5	50.0	
43 2-Chloroethyl vinyl ether	100.0000	84.2125	15.8	50.0	
47 Freon-113	50.0000	58.4084	16.8	50.0	
48 1,3-Dichlorobenzene	50.0000	49.5482	0.9	50.0	
49 1,4-Dichlorobenzene	50.0000	49.4874	1.0	50.0	
50 1,2-Dichlorobenzene	50.0000	48.5731	2.9	50.0	
51 Acetonitrile	500.0000	806.0221	61.2	50.0	<-
52 Iodomethane	50.0000	46.8560	6.3	50.0	
59 1,4-Dioxane	2500.0000	3069.2271	22.8	50.0	
60 Dibromomethane	50.0000	51.0341	2.1	50.0	
62 Ethyl Methacrylate	50.0000	36.0407	27.9	50.0	
63 1,2-Dibromoethane	50.0000	53.5354	7.1	50.0	
64 1,1,1,2-Tetrachloroethane	50.0000	42.5027	15.0	50.0	
65 1,2,3-Trichloropropane	50.0000	48.2689	3.5	50.0	
66 1,4-Dichloro-2-butene	50.0000	42.0005	16.0	50.0	
69 1,2-Dibromo-3-chloropropane	50.0000	46.4305	7.1	50.0	
82 Methyl tert-butyl ether	50.0000	43.4906	13.0	50.0	
84 Tetrahydrofuran	50.0000	41.7067	16.6	50.0	
98 2,2-Dichloropropane	50.0000	30.2650	39.5	50.0	
99 1,1-Dichloropropene	50.0000	50.3274	0.7	50.0	
100 1,3-Dichloropropane	50.0000	48.8289	2.3	50.0	
102 Bromobenzene	50.0000	43.6934	12.6	50.0	
103 2-Chlorotoluene	50.0000	42.7826	14.4	50.0	
104 n-Propylbenzene	50.0000	42.5565	14.9	50.0	
105 4-Chlorotoluene	50.0000	43.1578	13.7	50.0	
106 1,3,5-Trimethylbenzene	50.0000	40.5486	18.9	50.0	
107 tert-Butylbenzene	50.0000	38.5436	22.9	50.0	
108 1,2,4-Trimethylbenzene	50.0000	40.3138	19.4	50.0	
109 sec-Butylbenzene	50.0000	40.0087	20.0	50.0	
110 4-Isopropyltoluene	50.0000	39.8630	20.3	50.0	
111 n-Butylbenzene	50.0000	38.0702	23.9	50.0	
112 1,2,4-Trichlorobenzene	50.0000	41.1487	17.7	50.0	
113 Naphthalene	50.0000	36.1981	27.6	50.0	
114 Hexachlorobutadiene	50.0000	38.9952	22.0	50.0	
115 1,2,3-Trichlorobenzene	50.0000	37.5727	24.9	50.0	
124 tert-Butyl Alcohol	1000.0000	550.4112	45.0	50.0	

Report Date: 04/09/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

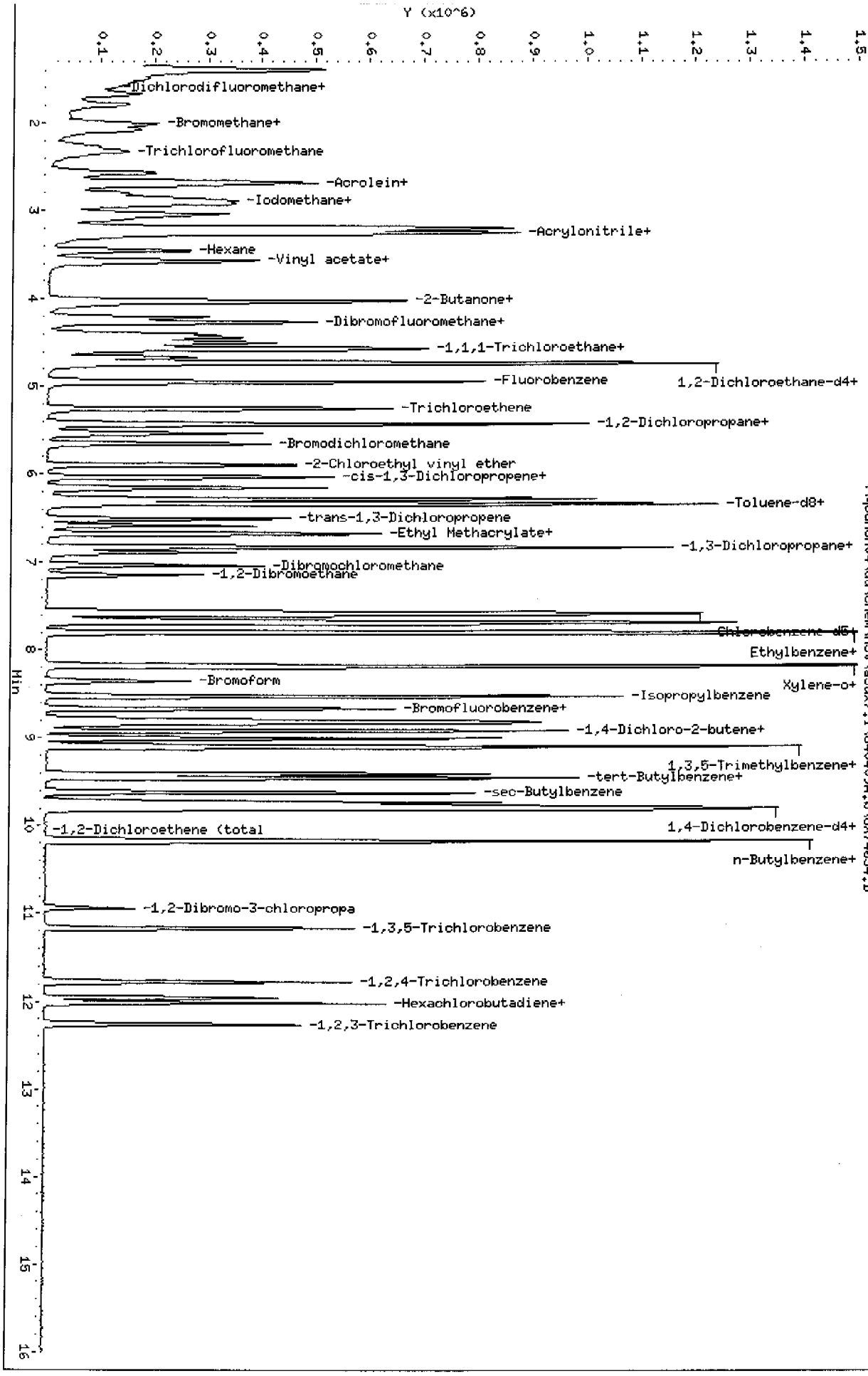
Instrument ID: a3ux7.i
Lab File ID: UX74654.D
Analysis Type: WATER

Injection Date: 09-APR-2004 09:19
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	47.0486	5.9	20.0
127 Cyclohexane	50.0000	50.9691	1.9	50.0
128 Isopropylbenzene	50.0000	49.9407	0.1	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	49.7345	0.5	50.0
141 1,3,5-Trichlorobenzene	50.0000	36.9692	26.1	50.0
143 Methyl Acetate	100.0000	126.6127	26.6	50.0
144 Methylcyclohexane	50.0000	50.0161	0.0	50.0
22 Toluene-d8	50.0000	49.7721	0.5	50.0
32 Bromofluorobenzene	50.0000	42.4790	15.0	50.0
47 1,2-Dichloroethane-d4	50.0000	51.6642	3.3	50.0
131 Dibromofluoromethane	50.0000	51.8758	3.8	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74654.D
Date : 09-APR-2004 09:19
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74654.D
Report Date: 10-Apr-2004 10:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74654.D
Lab Smp Id: 50NG-CC
Inj Date : 09-APR-2004 09:19
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U40409A,N8260UX7-3,1-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Meth Date : 10-Apr-2004 10:06 evansl Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.940	4.940	(1.000)	919902	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	714363	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	358593	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.890)	206242	50.0000	51.876
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.945)	243679	50.0000	51.664
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	795929	50.0000	49.772
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	242157	50.0000	42.479
8 Dichlorodifluoromethane	85	1.592	1.592	(0.322)	220821	50.0000	51.768
9 Chloromethane	50	1.663	1.663	(0.337)	308703	50.0000	51.912
10 Vinyl Chloride	62	1.781	1.781	(0.361)	309484	50.0000	57.892
11 Bromomethane	94	2.018	2.018	(0.408)	265792	50.0000	63.735
12 Chloroethane	64	2.077	2.077	(0.420)	230113	50.0000	63.628
13 Trichlorofluoromethane	101	2.325	2.325	(0.471)	403719	50.0000	63.786
15 Acrolein	56	2.562	2.562	(0.519)	392365	500.000	600.13
16 Acetone	43	2.680	2.680	(0.543)	157972	100.000	81.956
17 1,1-Dichloroethene	96	2.680	2.680	(0.543)	217975	50.0000	53.156
18 Freon-113	151	2.692	2.692	(0.545)	170021	50.0000	58.408

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.D\UX74654.D
Report Date: 10-Apr-2004 10:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.810	2.810	(0.569)	328891	50.0000	46.856
	20 Carbon Disulfide	76	2.870	2.870	(0.581)	781520	50.0000	56.373
	21 Methylene Chloride	84	3.035	3.035	(0.614)	268036	50.0000	56.779
	22 Acetonitrile	41	2.893	2.893	(0.586)	387138	500.000	806.02
	23 Acrylonitrile	53	3.201	3.201	(0.648)	1121162	500.000	751.07
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.658)	584344	50.0000	43.490
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.658)	255215	50.0000	54.986
	26 Hexane	86	3.461	3.461	(0.701)	34393	50.0000	47.049
	27 Vinyl acetate	43	3.591	3.591	(0.727)	295654	50.0000	37.741
	28 1,1-Dichloroethane	63	3.568	3.568	(0.722)	401003	50.0000	55.241
	29 tert-Butyl Alcohol	59	3.094	3.094	(0.626)	177074	1000.00	550.41
	30 2-Butanone	43	4.006	4.006	(0.811)	222075	100.000	93.290
M	31 1,2-Dichloroethene (total)	96				513155	100.000	107.72
	32 cis-1,2-dichloroethene	96	4.017	4.017	(0.813)	257940	50.0000	52.734
	33 2,2-Dichloropropane	77	4.041	4.041	(0.818)	185651	50.0000	30.265
	34 Bromochloromethane	128	4.207	4.207	(0.852)	117771	50.0000	49.734
	35 Chloroform	83	4.266	4.266	(0.863)	413684	50.0000	56.099
	36 Tetrahydrofuran	42	4.254	4.254	(0.861)	51791	50.0000	41.707
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.899)	338813	50.0000	50.200
	38 1,1-Dichloropropene	75	4.562	4.562	(0.923)	274165	50.0000	50.327
	39 Carbon Tetrachloride	117	4.574	4.574	(0.926)	287581	50.0000	51.008
	40 1,2-Dichloroethane	62	4.727	4.727	(0.957)	311863	50.0000	56.399
	41 Benzene	78	4.727	4.727	(0.957)	994789	50.0000	53.254
	42 Trichloroethene	130	5.248	5.248	(1.062)	258472	50.0000	53.133
	43 1,2-Dichloropropane	63	5.426	5.426	(1.098)	222414	50.0000	52.372
	44 1,4-Dioxane	88	5.532	5.532	(1.120)	100888	2500.00	3069.2(A)
	45 Dibromomethane	93	5.532	5.532	(1.120)	128275	50.0000	51.034
	46 Bromodichloromethane	83	5.650	5.650	(1.144)	308601	50.0000	55.208
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.194)	234649	100.000	84.212
	48 cis-1,3-Dichloropropene	75	6.029	6.029	(1.220)	336144	50.0000	46.256
	49 4-Methyl-2-pentanone	43	6.147	6.147	(1.244)	418632	100.000	103.53
	50 Toluene	91	6.337	6.337	(0.837)	1061932	50.0000	53.212
	51 trans-1,3-Dichloropropene	75	6.502	6.502	(0.859)	276082	50.0000	41.729
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	219113	50.0000	36.041
	53 1,1,2-Trichloroethane	97	6.668	6.668	(0.881)	225783	50.0000	57.087
	54 1,3-Dichloropropane	76	6.822	6.822	(0.901)	333098	50.0000	48.829
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	186176	50.0000	52.777
	56 2-Hexanone	43	6.881	6.881	(0.909)	283056	100.000	87.550
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	243654	50.0000	52.533
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	218629	50.0000	53.535
	59 Chlorobenzene	112	7.591	7.591	(1.003)	672201	50.0000	53.983
	60 1,1,1,2-Tetrachloroethane	131	7.662	7.662	(1.013)	199118	50.0000	42.503
	61 Ethylbenzene	106	7.697	7.697	(1.017)	339363	50.0000	52.984
	62 m + p-Xylene	106	7.804	7.804	(1.031)	840615	100.000	108.48
M	63 Xylenes (total)	106				1242381	150.000	160.40
	64 Xylene-o	106	8.171	8.171	(1.080)	401766	50.0000	51.923
	65 Styrene	104	8.183	8.183	(1.081)	723947	50.0000	52.437

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74654.D
Report Date: 10-Apr-2004 10:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.360	8.360	(1.105)	154567	50.0000	48.728
67 Isopropylbenzene	105	8.526	8.526	(1.127)	781836	50.0000	49.941
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	279265	50.0000	53.798
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	68050	50.0000	42.000
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	86684	50.0000	48.269
71 Bromobenzene	156	8.822	8.822	(0.901)	253807	50.0000	43.693
72 n-Propylbenzene	120	8.916	8.916	(0.911)	210827	50.0000	42.556
73 2-Chlorotoluene	126	8.999	8.999	(0.919)	201271	50.0000	42.782
74 1,3,5-Trimethylbenzene	105	9.082	9.082	(0.927)	586912	50.0000	40.548
75 4-Chlorotoluene	126	9.106	9.106	(0.930)	212423	50.0000	43.158
76 tert-Butylbenzene	119	9.401	9.401	(0.960)	477885	50.0000	38.544
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	615947	50.0000	40.314
78 sec-Butylbenzene	105	9.614	9.614	(0.982)	651618	50.0000	40.009
79 4-Isopropyltoluene	119	9.756	9.756	(0.996)	560478	50.0000	39.863
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	458708	50.0000	49.548
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	482164	50.0000	49.487
82 n-Butylbenzene	91	10.159	10.159	(1.037)	453513	50.0000	38.070
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	460822	50.0000	48.573
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	59508	50.0000	46.430
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	237921	50.0000	41.149
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	99493	50.0000	38.995
87 Naphthalene	128	12.016	12.016	(1.227)	599524	50.0000	36.198
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	199073	50.0000	37.573
98 Cyclohexane	56	4.503	4.503	(0.911)	281527	50.0000	50.969
143 Methyl Acetate	43	2.929	2.929	(0.593)	380809	100.000	126.61
144 Methylcyclohexane	83	5.426	5.426	(1.098)	232164	50.0000	50.016
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	222749	50.0000	36.969

QC Flag Legend

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

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40409A.b\UX74655.D
Report Date: 09-Apr-2004 10:12

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 09-APR-2004 09:43
Lab File ID: UX74655.D Init. Cal. Date(s): 12-MAR-2004 15-MAR-2004
Analysis Type: WATER Init. Cal. Times: 11:13 10:09
Lab Sample ID: 50NGA9-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	0.46020	0.52995	0.010	15.2	50.0	
89 Ethyl Ether	0.17644	0.18993	0.010	7.6	50.0	
91 3-Chloropropene	0.10904	0.11979	0.010	9.9	50.0	
92 Isopropyl Ether	0.20962	0.20891	0.010	-0.3	50.0	
93 2-Chloro-1,3-butadiene	0.29127	0.31995	0.010	9.8	50.0	
94 Propionitrile	0.02815	0.02945	0.010	4.6	50.0	
95 Ethyl Acetate	100	113	0.010	-13.1	50.0	
96 Methacrylonitrile	0.13219	0.13172	0.010	-0.4	50.0	
97 Isobutanol	1000	1442	0.010	-44.2	50.0	
99 n-Butanol	1000	1264	0.010	-26.4	50.0	
100 Methyl Methacrylate	50.00000	57.48975	0.010	-15.0	50.0	
101 2-Nitropropane	0.02274	0.04630	0.010	103.6	50.0	<-
103 Cyclohexanone	500	255	0.010	49.0	50.0	
146 2-Methylnaphthalene	100	69.51154	0.010	30.5	50.0	

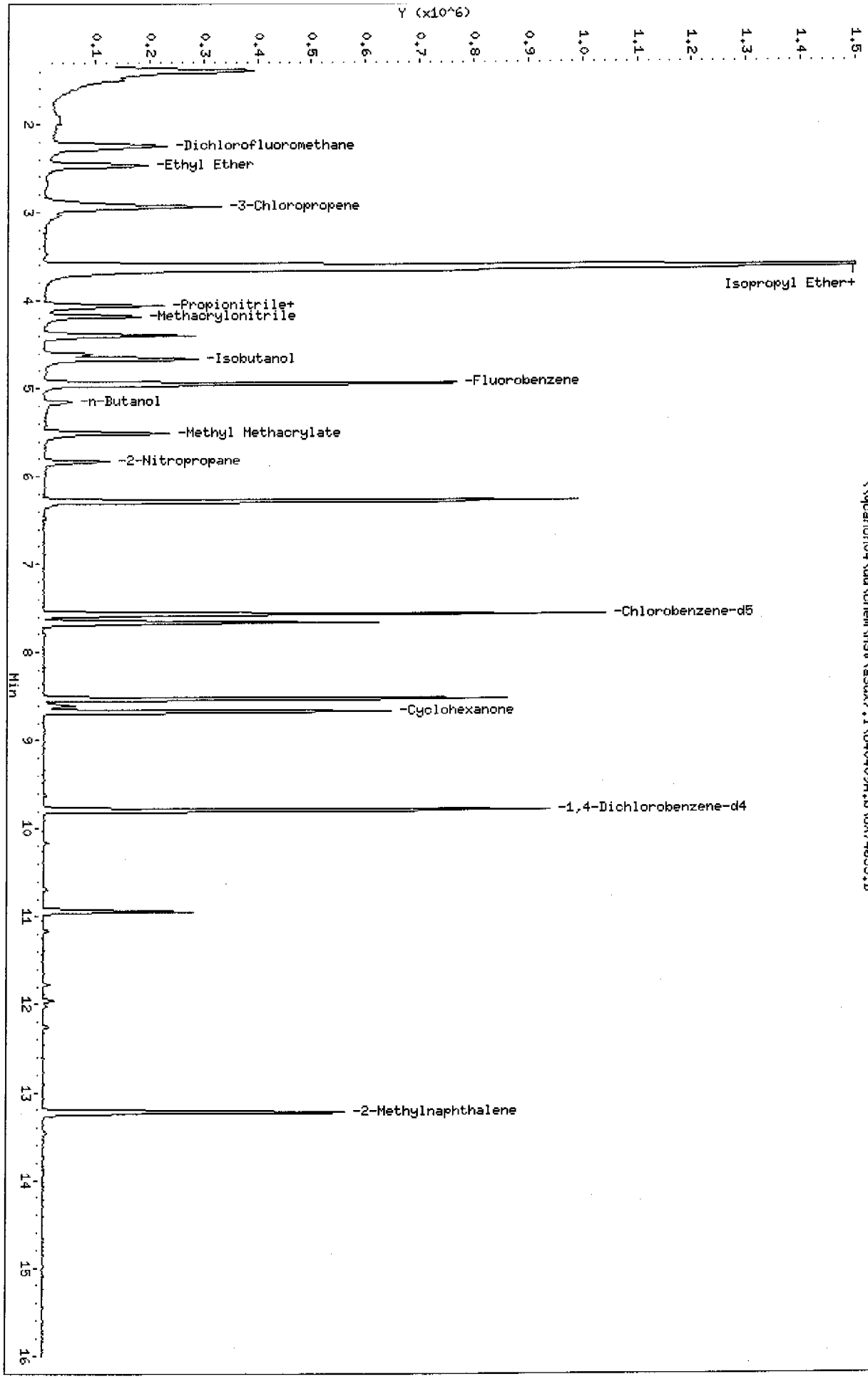
Report Date: 04/09/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX74655.D
Analysis Type: WATER

Injection Date: 09-APR-2004 09:43
Lab Sample ID: 50NGA9-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40409A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	54.9286	9.9	50.0	
54 2-Chloro-1,3-butadiene	50.0000	54.9220	9.8	50.0	
55 Propionitrile	100.0000	104.6109	4.6	50.0	
56 Methacrylonitrile	50.0000	49.8211	0.4	50.0	
57 Isobutanol	1000.0000	1441.6935	44.2	50.0	
58 Methyl Methacrylate	50.0000	57.4897	15.0	50.0	
73 n-Butanol	1000.0000	1264.2953	26.4	50.0	
74 Ethyl Acetate	100.0000	113.0757	13.1	50.0	
75 Cyclohexanone	500.0000	254.9529	49.0	50.0	
76 Ethyl Ether	50.0000	53.8223	7.6	50.0	
85 Dichlorofluoromethane	50.0000	57.5782	15.2	50.0	
86 2-Nitropropane	100.0000	203.6216	103.6	50.0	<-
126 Isopropyl Ether	250.0000	249.1535	0.3	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	100.0000	69.5115	30.5	50.0	


Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74655.D
Date : 09-APR-2004 09:43
Client ID:
Sample Info: 50NGA9-CC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
Min
2
3
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8
9
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11
12
13
14
15
16
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
-Chlorobenzene-d5
-Cyclohexanone
-1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
\\qcanch04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74655.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74655.D
Report Date: 10-Apr-2004 10:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74655.D
Lab Smp Id: 50NGA9-CC
Inj Date : 09-APR-2004 09:43
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9-CC
Misc Info : U40409A,N8260UX7-3,3-IX.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Meth Date : 10-Apr-2004 10:05 evansl Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.953	4.953	(1.000)	896211	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	678763	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	305365	50.0000	
14 Dichlorofluoromethane	67	2.243	2.243	(0.453)	474944	50.0000	57.578
89 Ethyl Ether	59	2.468	2.468	(0.498)	170215	50.0000	53.822
91 3-Chloropropene	76	2.941	2.941	(0.594)	107356	50.0000	54.928
92 Isopropyl Ether	87	3.616	3.616	(0.730)	936127	250.000	249.15(A)
93 2-Chloro-1,3-butadiene	53	3.639	3.639	(0.735)	286740	50.0000	54.922
94 Propionitrile	54	4.054	4.054	(0.818)	52782	100.000	104.61
95 Ethyl Acetate	43	4.065	4.065	(0.821)	308611	100.000	113.08
96 Methacrylonitrile	41	4.184	4.184	(0.845)	118047	50.0000	49.821
97 Isobutanol	41	4.610	4.610	(0.609)	73515	1000.00	1441.7(A)
99 n-Butanol	56	5.154	5.154	(0.681)	34011	1000.00	1264.3(A)
100 Methyl Methacrylate	41	5.509	5.509	(1.112)	135283	50.0000	57.490
101 2-Nitropropane	41	5.828	5.828	(1.177)	82982	100.000	203.62(A)
103 Cyclohexanone	55	8.597	8.597	(0.878)	30459	500.000	254.95(A)
146 2-Methylnaphthalene	142	13.236	13.236	(1.352)	389468	100.000	69.512

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74655.D
Report Date: 10-Apr-2004 10:05

QC Flag Legend

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

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Start Cal Date: 14-JAN-2004 15:04
End Cal Date : 23-MAR-2004 11:59
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
22-JAN-2004 00:17	ADD	UXX5491.D
15-JAN-2004 13:14	7-IX+	UXX5355.D
23-MAR-2004 11:59	2-8260	UXX6675.D
Cal Level: 2 , Cal Amount: 10.000		
21-JAN-2004 23:55	ADD	UXX5490.D
15-JAN-2004 12:51	7-IX+	UXX5354.D
23-MAR-2004 11:36	2-8260	UXX6674.D
Cal Level: 3 , Cal Amount: 25.000		
21-JAN-2004 23:32	ADD	UXX5489.D
15-JAN-2004 12:28	7-IX+	UXX5353.D
23-MAR-2004 11:14	2-8260	UXX6673.D
Cal Level: 4 , Cal Amount: 50.000		
21-JAN-2004 23:09	ADD	UXX5488.D
15-JAN-2004 12:06	7-IX+	UXX5352.D
23-MAR-2004 10:50	2-8260	UXX6672.D
Cal Level: 5 , Cal Amount: 100.00		
21-JAN-2004 22:47	ADD	UXX5487.D
15-JAN-2004 11:43	7-IX+	UXX5351.D
23-MAR-2004 10:27	2-8260	UXX6671.D
Cal Level: 6 , Cal Amount: 200.00		
21-JAN-2004 22:24	ADD	UXX5486.D
15-JAN-2004 11:20	7-IX+	UXX5350.D
23-MAR-2004 10:04	2-8260	UXX6670.D

Continuing Calibration

Report Date : 23-Mar-2004 13:11

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2004 15:04
End Cal Date : 23-MAR-2004 11:59
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Cal Date : 23-Mar-2004 13:09 quayler
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5491.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5490.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5489.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5488.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5487.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5486.D

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
8 Dichlorodifluoromethane	0.14179	0.14152	0.14397	0.13170	0.15213	0.13523	0.14106	5.046
9 Chloromethane	0.24223	0.21270	0.21440	0.20954	0.21234	0.19079	0.21367	7.716
10 Vinyl Chloride	0.20713	0.23155	0.21139	0.20167	0.21951	0.19361	0.21081	6.360
11 Bromomethane	0.09764	0.10307	0.08969	0.08684	0.10625	0.07816	0.09361	11.360
12 Chloroethane	0.13896	0.14467	0.12996	0.13057	0.14367	0.13769	0.13759	4.557
13 Trichlorofluoromethane	0.16262	0.19826	0.16957	0.18702	0.22752	0.24049	0.19758	15.774
14 Dichlorofluoromethane	0.23024	0.20757	0.25028	0.24369	0.28283	0.27784	0.24874	11.475
15 Acrolein	0.04336	0.04064	0.04213	0.04288	0.04615	0.05732	0.04541	13.446
16 Acetone	0.20396	0.17645	0.16149	0.16353	0.16185	0.18990	0.17620	9.964
17 1,1-Dichloroethene	0.19121	0.20290	0.18435	0.18892	0.19313	0.22247	0.19716	7.017
18 Freon-113	0.11841	0.13156	0.13792	0.14028	0.14424	0.15865	0.13851	9.655
19 Iodomethane	0.26995	0.27528	0.25362	0.28023	0.27314	0.25307	0.26755	4.299
20 Carbon Disulfide	0.54684	0.56914	0.52465	0.57658	0.57226	0.59117	0.56344	4.224
21 Methylene Chloride	0.24968	0.21572	0.20509	0.20897	0.20532	0.20871	0.21558	7.952
22 Acetonitrile	0.03198	0.02802	0.02870	0.02948	0.03053	0.03482	0.03059	8.174
23 Acrylonitrile	0.11030	0.10311	0.10441	0.10722	0.10985	0.13225	0.11119	9.628
24 Methyl tert-butyl ether	0.58116	0.56141	0.57439	0.60318	0.61081	0.62671	0.59294	4.160
25 trans-1,2-Dichloroethene	0.22997	0.22145	0.21716	0.21863	0.21802	0.22334	0.22143	2.159
26 Hexane	0.04285	0.05126	0.04904	0.05631	0.05360	0.05368	0.05112	9.271
27 Vinyl acetate	0.35837	0.34006	0.36280	0.37418	0.41457	0.48802	0.38967	13.913
28 1,1-Dichloroethane	0.37185	0.34985	0.34092	0.35491	0.35814	0.36284	0.35642	2.990
29 tert-Butyl Alcohol	0.02859	0.02687	0.02675	0.02824	0.02903	0.02885	0.02806	3.570
30 2-Butanone	0.20869	0.19617	0.19290	0.19360	0.20461	0.21837	0.20239	4.970
M 31 1,2-Dichloroethene (total)	0.22385	0.23036	0.21763	0.22578	0.22651	0.22696	0.22518	1.893
32 cis-1,2-dichloroethene	0.21773	0.23927	0.21811	0.23293	0.23501	0.23057	0.22893	3.932

Report Date : 23-Mar-2004 13:11

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2004 15:04
End Cal Date : 23-MAR-2004 11:59
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Cal Date : 23-Mar-2004 13:09 quayler
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
33 2,2-Dichloropropane	0.16729	0.20095	0.18441	0.20684	0.20268	0.19873	0.19348	7.718
34 Bromochloromethane	0.11132	0.10805	0.11219	0.11499	0.11144	0.11206	0.11168	1.992
35 Chloroform	0.39775	0.35707	0.35578	0.35682	0.36243	0.36816	0.36634	4.391
36 Tetrahydrofuran	0.09436	0.09374	0.08637	0.09662	0.09173	0.09642	0.09321	4.086
37 1,1,1-Trichloroethane	0.27127	0.28511	0.27336	0.28907	0.29493	0.28606	0.28330	3.247
38 1,1-Dichloropropene	0.27989	0.27939	0.27229	0.27787	0.29073	0.29401	0.28236	2.930
39 Carbon Tetrachloride	0.22936	0.24708	0.22849	0.25277	0.26302	0.27137	0.24868	7.013
40 1,2-Dichloroethane	0.29010	0.28806	0.28199	0.27341	0.28964	0.29591	0.28652	2.728
41 Benzene	0.91838	0.88039	0.85711	0.87414	0.89592	0.91423	0.89003	2.684
42 Trichloroethene	0.26004	0.26254	0.24256	0.26184	0.25215	0.26750	0.25777	3.479
43 1,2-Dichloropropane	0.20768	0.18869	0.19335	0.19915	0.20175	0.20774	0.19973	3.841
44 1,4-Dioxane	0.00232	0.00190	0.00231	0.00262	0.00243	0.00268	0.00238	11.769 <-
45 Dibromomethane	0.13455	0.13415	0.12738	0.13283	0.13432	0.13684	0.13334	2.397
46 Bromodichloromethane	0.25889	0.24647	0.24491	0.25325	0.27484	0.28073	0.25985	5.728
47 2-Chloroethyl vinyl ether	0.12443	0.12383	0.13417	0.14106	0.15449	0.17995	0.14299	14.972
48 cis-1,3-Dichloropropene	0.28270	0.28885	0.29741	0.31046	0.32777	0.34369	0.30848	7.655
49 4-Methyl-2-pentanone	0.27154	0.25823	0.27824	0.29259	0.30524	0.33629	0.29035	9.581
50 Toluene	1.32748	1.27019	1.29725	1.30989	1.34340	1.37616	1.32073	2.804
51 trans-1,3-Dichloropropene	0.35587	0.35951	0.36589	0.40059	0.43377	0.44936	0.39416	10.226
52 Ethyl Methacrylate	0.35712	0.36357	0.37980	0.42346	0.44765	0.46017	0.40529	10.950
53 1,1,2-Trichloroethane	0.28452	0.28186	0.26868	0.27052	0.27741	0.28526	0.27804	2.560
54 1,3-Dichloropropane	0.49882	0.47663	0.47857	0.49553	0.49562	0.50338	0.49142	2.259
55 Tetrachloroethene	0.25310	0.24771	0.24219	0.25184	0.25529	0.26928	0.25323	3.603
56 2-Hexanone	0.31559	0.31933	0.34021	0.36080	0.36541	0.39841	0.34996	8.962
57 Dibromochloromethane	0.25280	0.25332	0.25422	0.27223	0.29108	0.30530	0.27149	8.245
58 1,2-Dibromoethane	0.28156	0.29669	0.29014	0.30225	0.30437	0.31032	0.29756	3.503
59 Chlorobenzene	0.87448	0.88067	0.83205	0.83293	0.85028	0.88006	0.85841	2.673
60 1,1,1,2-Tetrachloroethane	0.25545	0.26135	0.26919	0.27830	0.29338	0.31053	0.27803	7.473
61 Ethylbenzene	0.44275	0.46619	0.45062	0.45043	0.46318	0.48946	0.46044	3.624
62 m + p-Xylene	0.52173	0.55047	0.56007	0.55901	0.56624	0.60361	0.56019	4.721
M 63 Xylenes (total)	0.52241	0.53222	0.54493	0.55004	0.55793	0.58987	0.54957	4.271
64 Xylene-o	0.52377	0.49570	0.51466	0.53209	0.54132	0.56239	0.52832	4.329
65 Styrene	0.77730	0.82675	0.85823	0.89413	0.91687	0.98070	0.87566	8.146

Report Date : 23-Mar-2004 13:11

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2004 15:04
End Cal Date : 23-MAR-2004 11:59
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Cal Date : 23-Mar-2004 13:09 quayler
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
66 Bromoform	0.16452	0.16695	0.17612	0.19657	0.20792	0.23040	0.19042	13.631	
67 Isopropylbenzene	1.14271	1.20168	1.21459	1.30706	1.32498	1.41347	1.26742	7.801	
68 1,1,2,2-Tetrachloroethane	0.84131	0.69972	0.75984	0.67582	0.74358	0.74155	0.74364	7.686	
69 1,4-Dichloro-2-butene	0.22186	0.22338	0.22444	0.22771	0.24462	0.26198	0.23400	6.857	
70 1,2,3-Trichloropropane	0.31649	0.31758	0.31142	0.31022	0.31042	0.31116	0.31288	1.044	
71 Bromobenzene	0.76889	0.71945	0.71875	0.71617	0.72860	0.73683	0.73145	2.719	
72 n-Propylbenzene	0.69312	0.75864	0.78052	0.81059	0.83628	0.85237	0.78859	7.373	
73 2-Chlorotoluene	0.71187	0.69921	0.68485	0.69411	0.69400	0.72375	0.70130	2.012	
74 1,3,5-Trimethylbenzene	2.05755	2.18849	2.19171	2.26387	2.30368	2.38069	2.23100	5.000	
75 4-Chlorotoluene	0.71575	0.68882	0.70367	0.72535	0.70098	0.73111	0.71095	2.250	
76 tert-Butylbenzene	1.81709	1.77976	1.88876	1.91285	2.03054	2.06321	1.91537	5.902	
77 1,2,4-Trimethylbenzene	2.14255	2.17922	2.28969	2.32261	2.29373	2.37388	2.26695	3.893	
78 sec-Butylbenzene	2.60274	2.68818	2.74233	2.81925	2.82672	2.96769	2.77449	4.560	
79 4-Isopropyltoluene	2.02477	2.02542	2.20127	2.22080	2.29206	2.40130	2.19427	6.772	
80 1,3-Dichlorobenzene	1.30568	1.32945	1.31288	1.29275	1.29253	1.32601	1.30988	1.214	
81 1,4-Dichlorobenzene	1.46080	1.38200	1.35661	1.35476	1.34205	1.38556	1.38030	3.106	
82 n-Butylbenzene	1.76393	1.87344	1.84303	2.00477	2.00304	2.11459	1.93380	6.673	
83 1,2-Dichlorobenzene	1.26810	1.25703	1.21038	1.19894	1.23379	1.24293	1.23520	2.158	
84 1,2-Dibromo-3-chloropropane	0.16350	0.15950	0.16137	0.17164	0.18222	0.18956	0.17130	7.156	
85 1,2,4-Trichlorobenzene	0.65149	0.60333	0.62019	0.61559	0.64990	0.66042	0.63349	3.686	
86 Hexachlorobutadiene	0.31205	0.26610	0.26284	0.26278	0.26255	0.25408	0.27007	7.760	
87 Naphthalene	1.58512	1.55644	1.74713	1.87466	2.04833	2.13874	1.82507	13.116	
88 1,2,3-Trichlorobenzene	0.60301	0.57635	0.55903	0.56315	0.56956	0.56429	0.57257	2.806	
89 Ethyl Ether	0.19154	0.19367	0.17961	0.18344	0.18627	0.19654	0.18851	3.440	
90 Ethanol	*****	*****	*****	*****	*****	*****	*****	*****	<-
91 3-Chloropropene	0.09415	0.09413	0.09669	0.09587	0.10988	0.09800	0.09812	6.069	
92 Isopropyl Ether	0.18699	0.18410	0.17458	0.18499	0.19030	0.18987	0.18514	3.103	
93 2-Chloro-1,3-butadiene	0.29116	0.30145	0.29308	0.28572	0.30231	0.30751	0.29687	2.758	
94 Propionitrile	0.04352	0.04098	0.04181	0.04376	0.04453	0.04791	0.04375	5.543	
95 Ethyl Acetate	0.29601	0.30608	0.26286	0.29553	0.27898	0.31982	0.29322	6.839	
96 Methacrylonitrile	0.17402	0.17826	0.17196	0.18106	0.17520	0.18426	0.17746	2.607	
97 Isobutanol	0.01587	0.01504	0.01568	0.01582	0.01776	0.01928	0.01657	9.705	
98 Cyclohexane	0.24080	0.29703	0.31665	0.33309	0.32702	0.34579	0.31006	12.157	

Report Date : 23-Mar-2004 13:11

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2004 15:04
End Cal Date : 23-MAR-2004 11:59
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Cal Date : 23-Mar-2004 13:09 quayler
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
99 n-Butanol	0.00917	0.01097	0.01212	0.01305	0.01454	0.01582	0.01261	19.097	<-
100 Methyl Methacrylate	0.19774	0.21916	0.19854	0.22273	0.20752	0.23724	0.21382	7.209	
101 2-Nitropropane	0.04265	0.04961	0.04292	0.05331	0.05909	0.07391	0.05358	21.963	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.03175	0.03211	0.03004	0.03389	0.03487	0.04084	0.03392	11.171	
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	0.19747	0.17521	0.21993	0.23231	0.26793	0.31886	0.23528	21.948	
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.80699	0.74750	0.73983	0.75207	0.76576	0.75725	0.76157	3.141	
143 Methyl Acetate	0.23912	0.21558	0.22011	0.21597	0.22458	0.24969	0.22751	6.108	
144 Methylcyclohexane	0.27534	0.30912	0.33747	0.35879	0.36291	0.38024	0.33731	11.554	
145 Dimethoxymethane	0.14441	0.13327	0.11468	0.11626	0.12250	0.12981	0.12682	8.902	
146 2-Methylnaphthalene	0.91594	0.90466	0.91782	0.95890	1.05108	1.04658	0.96583	6.926	
$ 4 Dibromofluoromethane	0.17779	0.17955	0.18448	0.18449	0.19182	0.18803	0.18436	2.824	
$ 5 1,2-Dichloroethane-d4	0.24649	0.24394	0.23230	0.23019	0.23287	0.23373	0.23659	2.888	
$ 6 Toluene-d8	1.02794	1.04425	1.03937	1.07109	1.09545	1.13200	1.06835	3.708	
$ 7 Bromofluorobenzene	0.34153	0.35480	0.36855	0.37193	0.37823	0.38608	0.36685	4.420	

eport Date : 23-Mar-2004 13:13

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 14-JAN-2004 15:04
nd Cal Date : 23-MAR-2004 11:59
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
al Date : 23-Mar-2004 13:09 quayler

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5491.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5490.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5489.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5488.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5487.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40121B-IC.b\UXX5486.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	0.14179	0.14152	0.14397	0.13170	0.15213	0.13523	AVRG		0.14106		5.04646
9 Chloromethane	0.24223	0.21270	0.21440	0.20954	0.21234	0.19079	AVRG		0.21367		7.71611
10 Vinyl Chloride	0.20713	0.23155	0.21139	0.20167	0.21951	0.19361	AVRG		0.21081		6.36017
11 Bromomethane	0.09764	0.10307	0.08969	0.08684	0.10625	0.07816	AVRG		0.09361		11.35986
12 Chloroethane	0.13896	0.14467	0.12996	0.13057	0.14367	0.13769	AVRG		0.13759		4.55694
13 Trichlorofluoromethane	31344	78650	171636	378860	908144	1926190	WLINR	0.05005	0.23421		0.99145
14 Dichlorofluoromethane	0.23024	0.20757	0.25028	0.24369	0.28283	0.27784	AVRG		0.24874		11.47532
15 Acrolein	0.04336	0.04064	0.04213	0.04288	0.04615	0.05732	AVRG		0.04541		13.44641
16 Acetone	0.20396	0.17645	0.16149	0.16353	0.16185	0.18990	AVRG		0.17620		9.96396

eport Date : 23-Mar-2004 13:13

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 14-JAN-2004 15:04
nd Cal Date : 23-MAR-2004 11:59
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
al Date : 23-Mar-2004 13:09 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
17 1,1-Dichloroethene	0.19121	0.20290	0.18435	0.18892	0.19313	0.22247	AVRG		0.19716		7.01711
18 Freon-113	0.11841	0.13156	0.13792	0.14028	0.14424	0.15865	AVRG		0.13851		9.65542
19 Iodomethane	0.26995	0.27528	0.25362	0.28023	0.27314	0.25307	AVRG		0.26755		4.29869
20 Carbon Disulfide	0.54684	0.56914	0.52465	0.57658	0.57226	0.59117	AVRG		0.56344		4.22432
21 Methylene Chloride	0.24968	0.21572	0.20509	0.20897	0.20532	0.20871	AVRG		0.21558		7.95182
22 Acetonitrile	0.03198	0.02802	0.02870	0.02948	0.03053	0.03482	AVRG		0.03059		8.17443
23 Acrylonitrile	0.11030	0.10311	0.10441	0.10722	0.10985	0.13225	AVRG		0.11119		9.62809
24 Methyl tert-butyl ether	0.58116	0.56141	0.57439	0.60318	0.61081	0.62671	AVRG		0.59294		4.15957
25 trans-1,2-Dichloroethene	0.22997	0.22145	0.21716	0.21863	0.21802	0.22334	AVRG		0.22143		2.15903
26 Hexane	0.04285	0.05126	0.04904	0.05631	0.05360	0.05368	AVRG		0.05112		9.27130
27 Vinyl acetate	0.35837	0.34006	0.36280	0.37418	0.41457	0.48802	AVRG		0.38967		13.91307
28 1,1-Dichloroethane	0.37185	0.34985	0.34092	0.35491	0.35814	0.36284	AVRG		0.35642		2.98969
29 tert-Butyl Alcohol	0.02859	0.02687	0.02675	0.02824	0.02903	0.02885	AVRG		0.02806		3.57002
30 2-Butanone	0.20869	0.19617	0.19290	0.19360	0.20461	0.21837	AVRG		0.20239		4.97025
M 31 1,2-Dichloroethene (total)	0.22385	0.23036	0.21763	0.22578	0.22651	0.22696	AVRG		0.22518		1.89290
32 cis-1,2-dichloroethene	0.21773	0.23927	0.21811	0.23293	0.23501	0.23057	AVRG		0.22893		3.93177
33 2,2-Dichloropropane	0.16729	0.20095	0.18441	0.20684	0.20268	0.19873	AVRG		0.19348		7.71780

eport Date : 23-Mar-2004 13:13

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 14-JAN-2004 15:04
nd Cal Date : 23-MAR-2004 11:59
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
al Date : 23-Mar-2004 13:09 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.11132	0.10805	0.11219	0.11499	0.11144	0.11206	AVRG		0.11168		1.99247	
35 Chloroform	0.39775	0.35707	0.35578	0.35682	0.36243	0.36816	AVRG		0.36634		4.39061	
36 Tetrahydrofuran	0.09436	0.09374	0.08637	0.09662	0.09173	0.09642	AVRG		0.09321		4.08576	
37 1,1,1-Trichloroethane	0.27127	0.28511	0.27336	0.28907	0.29493	0.28606	AVRG		0.28330		3.24696	
38 1,1-Dichloropropene	0.27989	0.27939	0.27229	0.27787	0.29073	0.29401	AVRG		0.28236		2.93012	
39 Carbon Tetrachloride	0.22936	0.24708	0.22849	0.25277	0.26302	0.27137	AVRG		0.24868		7.01317	
40 1,2-Dichloroethane	0.29010	0.28806	0.28199	0.27341	0.28964	0.29591	AVRG		0.28652		2.72815	
41 Benzene	0.91838	0.88039	0.85711	0.87414	0.89592	0.91423	AVRG		0.89003		2.68374	
42 Trichloroethene	0.26004	0.26254	0.24256	0.26184	0.25215	0.26750	AVRG		0.25777		3.47913	
43 1,2-Dichloropropane	0.20768	0.18869	0.19335	0.19915	0.20175	0.20774	AVRG		0.19973		3.84146	
44 1,4-Dioxane	0.00232	0.00190	0.00231	0.00262	0.00243	0.00268	AVRG		0.00238		11.76889	<-
45 Dibromomethane	0.13455	0.13415	0.12738	0.13283	0.13432	0.13684	AVRG		0.13334		2.39664	
46 Bromodichloromethane	0.25889	0.24647	0.24491	0.25325	0.27484	0.28073	AVRG		0.25985		5.72821	
47 2-Chloroethyl vinyl ether	0.12443	0.12383	0.13417	0.14106	0.15449	0.17995	AVRG		0.14299		14.97238	
48 cis-1,3-Dichloropropene	0.28270	0.28885	0.29741	0.31046	0.32777	0.34369	AVRG		0.30848		7.65500	
49 4-Methyl-2-pentanone	0.27154	0.25823	0.27824	0.29259	0.30524	0.33629	AVRG		0.29035		9.58073	
50 Toluene	1.32748	1.27019	1.29725	1.30989	1.34340	1.37616	AVRG		1.32073		2.80362	

eport Date : 23-Mar-2004 13:13

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 14-JAN-2004 15:04
nd Cal Date : 23-MAR-2004 11:59
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
al Date : 23-Mar-2004 13:09 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
51 trans-1,3-Dichloropropene	0.35587	0.35951	0.36589	0.40059	0.43377	0.44936	AVRG		0.39416		10.22572
52 Ethyl Methacrylate	0.35712	0.36357	0.37980	0.42346	0.44765	0.46017	AVRG		0.40529		10.94988
53 1,1,2-Trichloroethane	0.28452	0.28186	0.26868	0.27052	0.27741	0.28526	AVRG		0.27804		2.55996
54 1,3-Dichloropropane	0.49882	0.47663	0.47857	0.49553	0.49562	0.50338	AVRG		0.49142		2.25930
55 Tetrachloroethene	0.25310	0.24771	0.24219	0.25184	0.25529	0.26928	AVRG		0.25323		3.60332
56 2-Hexanone	0.31559	0.31933	0.34021	0.36080	0.36541	0.39841	AVRG		0.34996		8.96234
57 Dibromochloromethane	0.25280	0.25332	0.25422	0.27223	0.29108	0.30530	AVRG		0.27149		8.24517
58 1,2-Dibromoethane	0.28156	0.29669	0.29014	0.30225	0.30437	0.31032	AVRG		0.29756		3.50292
59 Chlorobenzene	0.87448	0.88067	0.83205	0.83293	0.85028	0.88006	AVRG		0.85841		2.67317
60 1,1,1,2-Tetrachloroethane	0.25545	0.26135	0.26919	0.27830	0.29338	0.31053	AVRG		0.27803		7.47259
61 Ethylbenzene	0.44275	0.46619	0.45062	0.45043	0.46318	0.48946	AVRG		0.46044		3.62412
62 m + p-Xylene	0.52173	0.55047	0.56007	0.55901	0.56624	0.60361	AVRG		0.56019		4.72109
M 63 Xylenes (total)	0.52241	0.53222	0.54493	0.55004	0.55793	0.58987	AVRG		0.54957		4.27110
64 Xylene-o	0.52377	0.49570	0.51466	0.53209	0.54132	0.56239	AVRG		0.52832		4.32894
65 Styrene	0.77730	0.82675	0.85823	0.89413	0.91687	0.98070	AVRG		0.87566		8.14633
66 Bromoform	0.16452	0.16695	0.17612	0.19657	0.20792	0.23040	AVRG		0.19042		13.63112
67 Isopropylbenzene	1.14271	1.20168	1.21459	1.30706	1.32498	1.41347	AVRG		1.26742		7.80116

:port Date : 23-Mar-2004 13:13

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 14-JAN-2004 15:04
ıd Cal Date : 23-MAR-2004 11:59
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
ıl Date : 23-Mar-2004 13:09 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.84131	0.69972	0.75984	0.67582	0.74358	0.74155	AVRG		0.74364		7.68590
69 1,4-Dichloro-2-butene	0.22186	0.22338	0.22444	0.22771	0.24462	0.26198	AVRG		0.23400		6.85662
70 1,2,3-Trichloropropane	0.31649	0.31758	0.31142	0.31022	0.31042	0.31116	AVRG		0.31288		1.04413
71 Bromobenzene	0.76889	0.71945	0.71875	0.71617	0.72860	0.73683	AVRG		0.73145		2.71867
72 n-Propylbenzene	0.69312	0.75864	0.78052	0.81059	0.83628	0.85237	AVRG		0.78859		7.37297
73 2-Chlorotoluene	0.71187	0.69921	0.68485	0.69411	0.69400	0.72375	AVRG		0.70130		2.01225
74 1,3,5-Trimethylbenzene	2.05755	2.18849	2.19171	2.26387	2.30368	2.38069	AVRG		2.23100		4.99958
75 4-Chlorotoluene	0.71575	0.68882	0.70367	0.72535	0.70098	0.73111	AVRG		0.71095		2.24989
76 tert-Butylbenzene	1.81709	1.77976	1.88876	1.91285	2.03054	2.06321	AVRG		1.91537		5.90156
77 1,2,4-Trimethylbenzene	2.14255	2.17922	2.28969	2.32261	2.29373	2.37388	AVRG		2.26695		3.89283
78 sec-Butylbenzene	2.60274	2.68818	2.74233	2.81925	2.82672	2.96769	AVRG		2.77449		4.56019
79 4-Isopropyltoluene	2.02477	2.02542	2.20127	2.22080	2.29206	2.40130	AVRG		2.19427		6.77240
80 1,3-Dichlorobenzene	1.30568	1.32945	1.31288	1.29275	1.29253	1.32601	AVRG		1.30988		1.21396
81 1,4-Dichlorobenzene	1.46080	1.38200	1.35661	1.35476	1.34205	1.38556	AVRG		1.38030		3.10559
82 n-Butylbenzene	1.76393	1.87344	1.84303	2.00477	2.00304	2.11459	AVRG		1.93380		6.67273
83 1,2-Dichlorobenzene	1.26810	1.25703	1.21038	1.19894	1.23379	1.24293	AVRG		1.23520		2.15773
84 1,2-Dibromo-3-chloropropane	0.16350	0.15950	0.16137	0.17164	0.18222	0.18956	AVRG		0.17130		7.15632

eport Date : 23-Mar-2004 13:13

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 14-JAN-2004 15:04
nd Cal Date : 23-MAR-2004 11:59
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
al Date : 23-Mar-2004 13:09 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	0.65149	0.60333	0.62019	0.61559	0.64990	0.66042	AVRG		0.63349		3.68565	
86 Hexachlorobutadiene	0.31205	0.26610	0.26284	0.26278	0.26255	0.25408	AVRG		0.27007		7.76045	
87 Naphthalene	1.58512	1.55644	1.74713	1.87466	2.04833	2.13874	AVRG		1.82507		13.11594	
88 1,2,3-Trichlorobenzene	0.60301	0.57635	0.55903	0.56315	0.56956	0.56429	AVRG		0.57257		2.80604	
89 Ethyl Ether	0.19154	0.19367	0.17961	0.18344	0.18627	0.19654	AVRG		0.18851		3.44001	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.09415	0.09413	0.09669	0.09587	0.10988	0.09800	AVRG		0.09812		6.06911	
92 Isopropyl Ether	0.18699	0.18410	0.17458	0.18499	0.19030	0.18987	AVRG		0.18514		3.10267	
93 2-Chloro-1,3-butadiene	0.29116	0.30145	0.29308	0.28572	0.30231	0.30751	AVRG		0.29687		2.75761	
94 Propionitrile	0.04352	0.04098	0.04181	0.04376	0.04453	0.04791	AVRG		0.04375		5.54341	
95 Ethyl Acetate	0.29601	0.30608	0.26286	0.29553	0.27898	0.31982	AVRG		0.29322		6.83923	
96 Methacrylonitrile	0.17402	0.17826	0.17196	0.18106	0.17520	0.18426	AVRG		0.17746		2.60732	
97 Isobutanol	0.01587	0.01504	0.01568	0.01582	0.01776	0.01928	AVRG		0.01657		9.70483	
98 Cyclohexane	0.24080	0.29703	0.31665	0.33309	0.32702	0.34579	AVRG		0.31006		12.15749	
99 n-Butanol	21710	51558	138235	302950	651487	1492417	QUAD	1.01748	72.48610	-8.01221	0.99981	<-
100 Methyl Methacrylate	0.19774	0.21916	0.19854	0.22273	0.20752	0.23724	AVRG		0.21382		7.20931	
101 2-Nitropropane	13950	32766	71399	178906	392772	1005271	QUAD	0.08627	18.87274	-9.29287	0.99953	

eport Date : 23-Mar-2004 13:13

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 14-JAN-2004 15:04
nd Cal Date : 23-MAR-2004 11:59
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
al Date : 23-Mar-2004 13:09 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.03175	0.03211	0.03004	0.03389	0.03487	0.04084	AVRG		0.03392		11.17074	
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	11805	21237	66357	135903	319562	780847	QUAD	0.04997	4.11196	-0.79760	0.99972	
140 1-Chlorohexane	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.80699	0.74750	0.73983	0.75207	0.76576	0.75725	AVRG		0.76157		3.14060	
143 Methyl Acetate	0.23912	0.21558	0.22011	0.21597	0.22458	0.24969	AVRG		0.22751		6.10786	
144 Methylcyclohexane	0.27534	0.30912	0.33747	0.35879	0.36291	0.38024	AVRG		0.33731		11.55361	
145 Dimethoxymethane	0.14441	0.13327	0.11468	0.11626	0.12250	0.12981	AVRG		0.12682		8.90230	
146 2-Methylnaphthalene	0.91594	0.90466	0.91782	0.95890	1.05108	1.04658	AVRG		0.96583		6.92577	

eport Date : 23-Mar-2004 13:13

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 14-JAN-2004 15:04
nd Cal Date : 23-MAR-2004 11:59
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
al Date : 23-Mar-2004 13:09 quayler

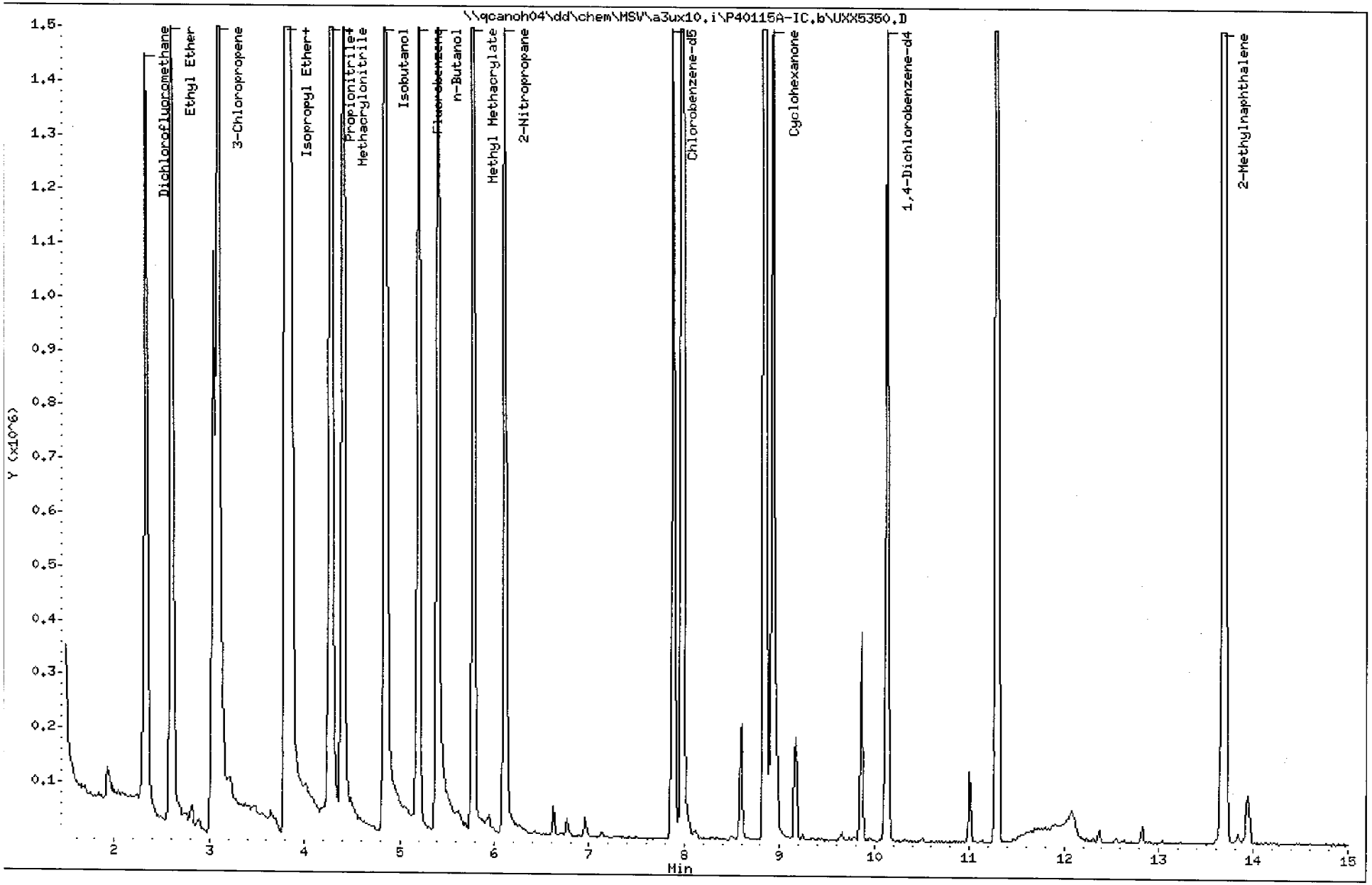
Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
4 Dibromofluoromethane	0.17779	0.17955	0.18448	0.18449	0.19182	0.18803	AVRG		0.18436		2.82368
5 1,2-Dichloroethane-d4	0.24649	0.24394	0.23230	0.23019	0.23287	0.23373	AVRG		0.23659		2.88801
6 Toluene-d8	1.02794	1.04425	1.03937	1.07109	1.09545	1.13200	AVRG		1.06835		3.70820
7 Bromofluorobenzene	0.34153	0.35480	0.36855	0.37193	0.37823	0.38608	AVRG		0.36685		4.41980

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5350.D
Date : 15-JAN-2004 11:20
Client ID:
Sample Info: 200NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5350.D
Report Date: 16-Jan-2004 08:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5350.D
Lab Smp Id: 200NG-A9IC
Inj Date : 15-JAN-2004 11:20
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 200NG-A9IC
Misc Info : P40115A-IC,8260LLUX10,7-IX+.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\8260LLUX10.m
Meth Date : 16-Jan-2004 08:18 quayler Quant Type: ISTD
Cal Date : 15-JAN-2004 13:14 Cal File: UXX5355.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.192	5.192	(1.000)	1700194	50.0000	
* 2 Chlorobenzene-d5	117	7.878	7.878	(1.000)	1179079	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.126	(1.000)	543250	50.0000	
14 Dichlorofluoromethane	67	2.316	2.316	(0.446)	1889508	200.000	223.39(A)
89 Ethyl Ether	59	2.588	2.588	(0.499)	1336645	200.000	208.52(A)
91 3-Chloropropene	76	3.085	3.085	(0.594)	666485	200.000	199.76
92 Isopropyl Ether	87	3.807	3.807	(0.733)	6456262	1000.00	1025.5(A)
93 2-Chloro-1,3-butadiene	53	3.843	3.843	(0.740)	2091338	200.000	207.17(A)
94 Propionitrile	54	4.269	4.269	(0.822)	651653	400.000	438.01(A)
95 Ethyl Acetate	43	4.269	4.269	(0.822)	4350106	400.000	436.30(A)
96 Methacrylonitrile	41	4.399	4.399	(0.847)	1253100	200.000	207.66(A)
97 Isobutanol	41	4.837	4.837	(0.614)	1818461	4000.00	4652.7(A)
99 n-Butanol	56	5.393	5.393	(0.685)	1492417	4000.00	5018.0(A)
100 Methyl Methacrylate	41	5.771	5.771	(1.112)	1613401	200.000	221.90(A)
101 2-Nitropropane	41	6.103	6.103	(1.175)	1005271	400.000	551.74(A)
103 Cyclohexanone	55	8.931	8.931	(0.882)	887427	2000.00	2408.2(A)
146 2-Methylnaphthalene	142	13.676	13.676	(1.351)	4548451	400.000	433.44(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5350.D
Report Date: 16-Jan-2004 08:19

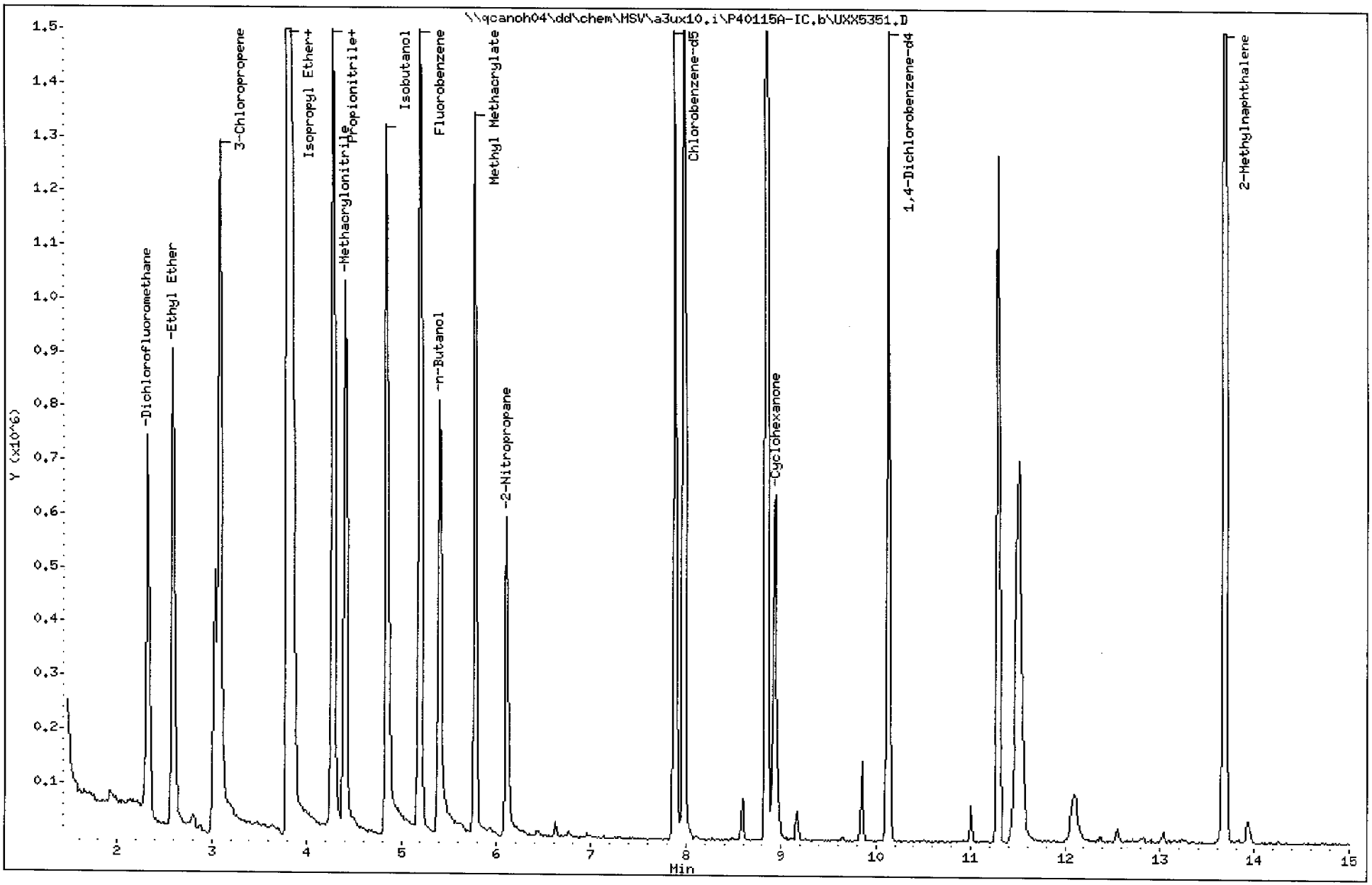
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5351.D
Date : 15-JAN-2004 11:43
Client ID:
Sample Info: 100NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5351.D
Report Date: 16-Jan-2004 08:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5351.D
Lab Smp Id: 100NG-A9IC
Inj Date : 15-JAN-2004 11:43
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-A9IC
Misc Info : P40115A-IC,8260LLUX10,7-IX+.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\8260LLUX10.m
Meth Date : 16-Jan-2004 08:19 quayler Quant Type: ISTD
Cal Date : 15-JAN-2004 13:14 Cal File: UXX5355.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.192	5.192	(1.000)	1661814	50.0000	
* 2 Chlorobenzene-d5	117	7.878	7.878	(1.000)	1120155	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.126	(1.000)	545670	50.0000	
14 Dichlorofluoromethane	67	2.317	2.317	(0.446)	940025	100.000	113.70
89 Ethyl Ether	59	2.589	2.589	(0.499)	619090	100.000	98.810
91 3-Chloropropene	76	3.086	3.086	(0.594)	365216	100.000	111.99
92 Isopropyl Ether	87	3.808	3.808	(0.733)	3162486	500.000	513.95(A)
93 2-Chloro-1,3-butadiene	53	3.843	3.843	(0.740)	1004768	100.000	101.83
94 Propionitrile	54	4.269	4.269	(0.822)	296032	200.000	203.58(A)
95 Ethyl Acetate	43	4.269	4.269	(0.822)	1854440	200.000	190.29
96 Methacrylonitrile	41	4.399	4.399	(0.847)	582289	100.000	98.726
97 Isobutanol	41	4.837	4.837	(0.614)	795672	2000.00	2142.9(A)
99 n-Butanol	56	5.393	5.393	(0.685)	651487	2000.00	2305.7(A)
100 Methyl Methacrylate	41	5.772	5.772	(1.112)	689720	100.000	97.053
101 2-Nitropropane	41	6.103	6.103	(1.175)	392772	200.000	220.55(A)
103 Cyclohexanone	55	8.931	8.931	(0.882)	380518	1000.00	1028.0(A)
146 2-Methylnaphthalene	142	13.676	13.676	(1.351)	2294167	200.000	217.65

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5351.D
Report Date: 16-Jan-2004 08:19

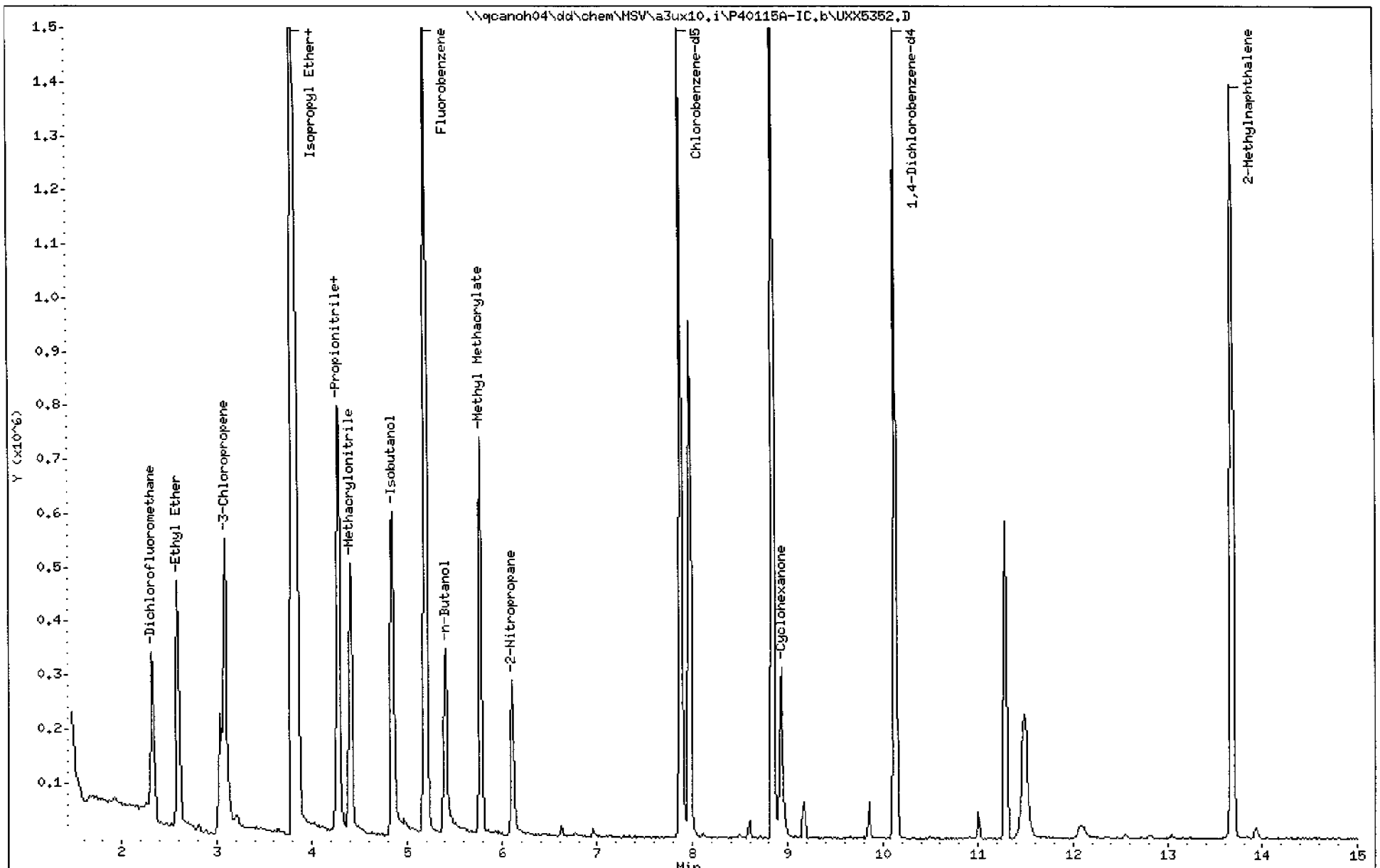
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5352.D
Date : 15-JAN-2004 12:06
Client ID:
Sample Info: 50NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5352.D
Report Date: 16-Jan-2004 08:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5352.D
Lab Smp Id: 50NG-A9IC
Inj Date : 15-JAN-2004 12:06
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-A9IC
Misc Info : P40115A-IC,8260LLUX10,7-IX+.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\8260LLUX10.m
Meth Date : 16-Jan-2004 08:25 quayler Quant Type: ISTD
Cal Date : 15-JAN-2004 13:14 Cal File: UXX5355.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.192	5.192	(1.000)	1677902	50.0000	
* 2 Chlorobenzene-d5	117	7.878	7.878	(1.000)	1160519	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.126	(1.000)	538253	50.0000	
14 Dichlorofluoromethane	67	2.316	2.316	(0.446)	408889	50.0000	48.985
89 Ethyl Ether	59	2.588	2.588	(0.499)	307791	50.0000	48.654
91 3-Chloropropene	76	3.085	3.085	(0.594)	160853	50.0000	48.852
92 Isopropyl Ether	87	3.807	3.807	(0.733)	1551963	250.000	249.80(A)
93 2-Chloro-1,3-butadiene	53	3.843	3.843	(0.740)	479412	50.0000	48.122
94 Propionitrile	54	4.269	4.269	(0.822)	146853	100.000	100.02
95 Ethyl Acetate	43	4.280	4.280	(0.825)	991738	100.000	100.79
96 Methacrylonitrile	41	4.399	4.399	(0.847)	303796	50.0000	51.014
97 Isobutanol	41	4.837	4.837	(0.614)	367259	1000.00	954.70(A)
99 n-Butanol	56	5.405	5.405	(0.686)	302950	1000.00	1034.9(A)
100 Methyl Methacrylate	41	5.771	5.771	(1.112)	373724	50.0000	52.084
101 2-Nitropropane	41	6.103	6.103	(1.175)	178906	100.000	99.497
103 Cyclohexanone	55	8.931	8.931	(0.882)	182426	500.000	499.63(A)
146 2-Methylnaphthalene	142	13.676	13.676	(1.351)	1032265	100.000	99.283

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5352.D
Report Date: 16-Jan-2004 08:26

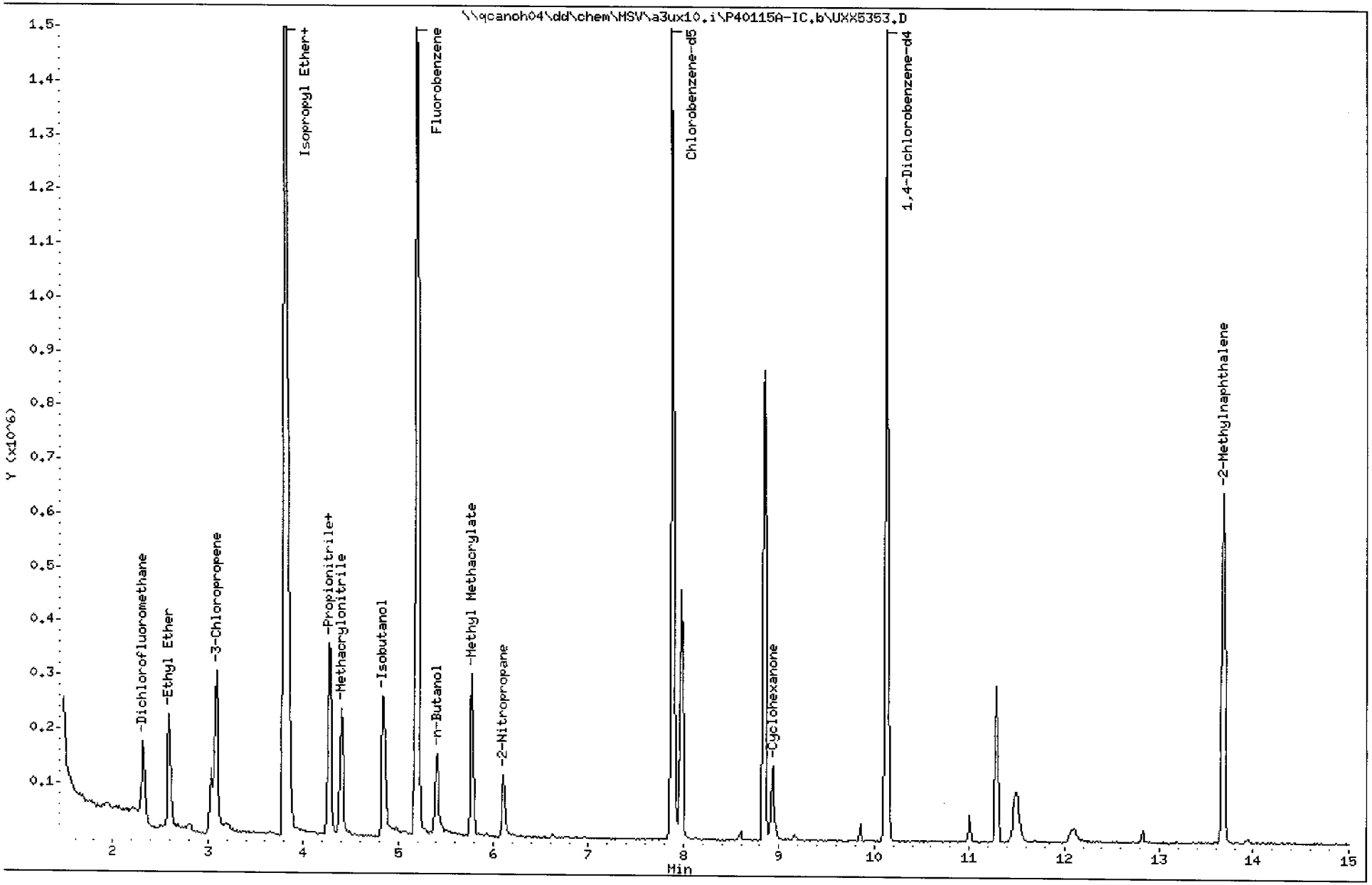
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5353.D
Date : 15-JAN-2004 12:28
Client ID:
Sample Info: 25NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5353.D
Report Date: 16-Jan-2004 08:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5353.D
Lab Smp Id: 25NG-A9IC
Inj Date : 15-JAN-2004 12:28
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-A9IC
Misc Info : P40115A-IC,8260LLUX10,7-IX+.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\8260LLUX10.m
Meth Date : 16-Jan-2004 08:20 quayler Quant Type: ISTD
Cal Date : 15-JAN-2004 13:14 Cal File: UXX5355.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.191	5.191	(1.000)	1663345	50.0000	
* 2 Chlorobenzene-d5	117	7.877	7.877	(1.000)	1140771	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.126	(1.000)	530590	50.0000	
14 Dichlorofluoromethane	67	2.316	2.316	(0.446)	208150	25.0000	25.154
89 Ethyl Ether	59	2.588	2.588	(0.499)	149378	25.0000	23.820
91 3-Chloropropene	76	3.085	3.085	(0.594)	80414	25.0000	24.636
92 Isopropyl Ether	87	3.807	3.807	(0.733)	725978	125.000	117.87
93 2-Chloro-1,3-butadiene	53	3.842	3.842	(0.740)	243747	25.0000	24.681
94 Propionitrile	54	4.268	4.268	(0.822)	69550	50.0000	47.784
95 Ethyl Acetate	43	4.268	4.268	(0.822)	437232	50.0000	44.824
96 Methacrylonitrile	41	4.399	4.399	(0.847)	143012	25.0000	24.225
97 Isobutanol	41	4.836	4.836	(0.614)	178827	500.000	472.91(A)
99 n-Butanol	56	5.404	5.404	(0.686)	138235	500.000	480.40(A)
100 Methyl Methacrylate	41	5.771	5.771	(1.112)	165117	25.0000	23.213
101 2-Nitropropane	41	6.102	6.102	(1.175)	71399	50.0000	40.055
103 Cyclohexanone	55	8.919	8.919	(0.881)	79706	250.000	221.45(A)
146 2-Methylnaphthalene	142	13.675	13.675	(1.351)	486985	50.0000	47.514

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5353.D
Report Date: 16-Jan-2004 08:20

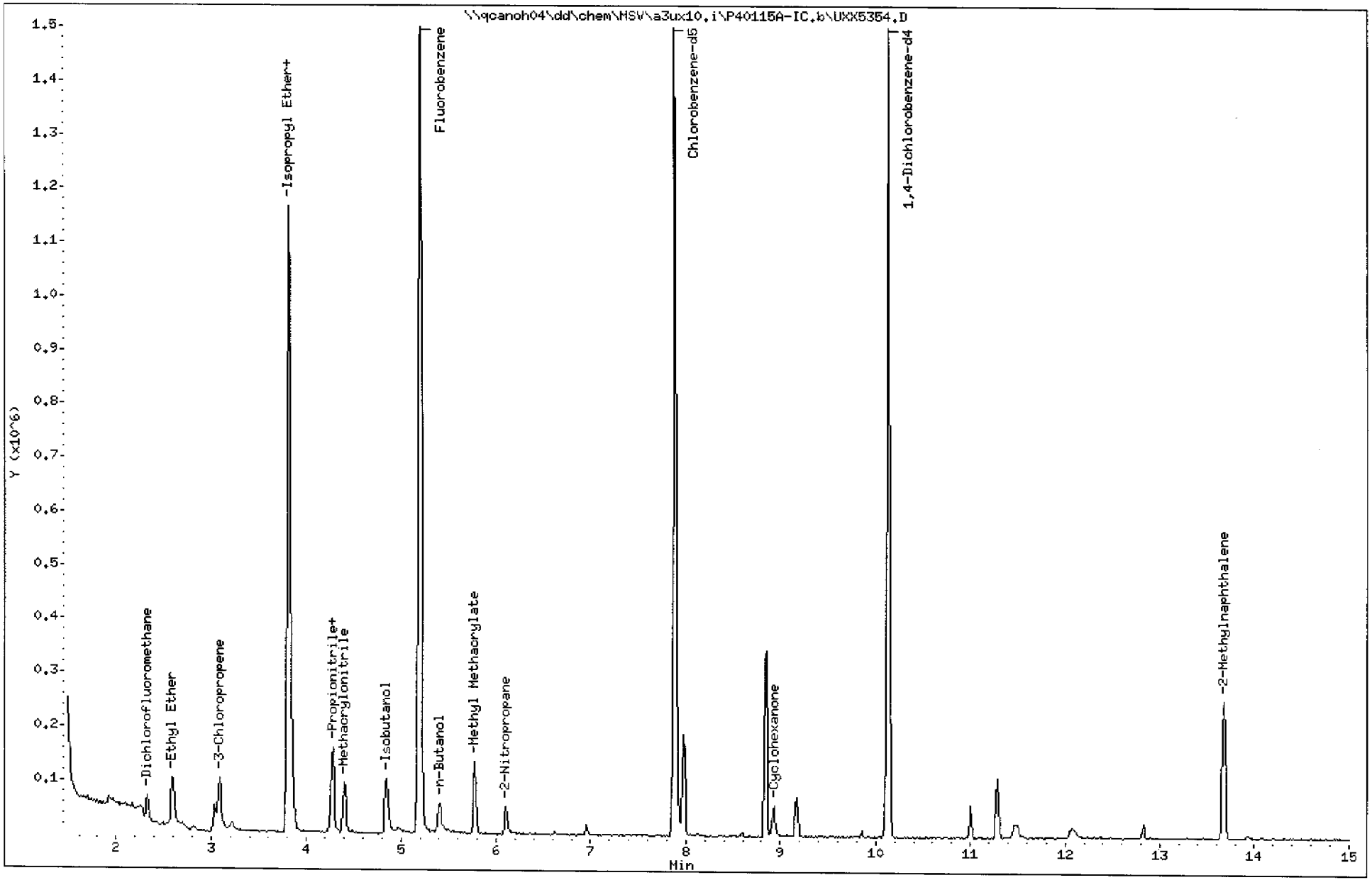
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5354.D
Date : 15-JAN-2004 12:51
Client ID:
Sample Info: 10NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5354.D
Report Date: 16-Jan-2004 08:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5354.D
Lab Smp Id: 10NG-A9IC
Inj Date : 15-JAN-2004 12:51
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-A9IC
Misc Info : P40115A-IC,8260LLUX10,7-IX+.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\8260LLUX10.m
Meth Date : 16-Jan-2004 08:21 quayler Quant Type: ISTD
Cal Date : 15-JAN-2004 13:14 Cal File: UXX5355.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

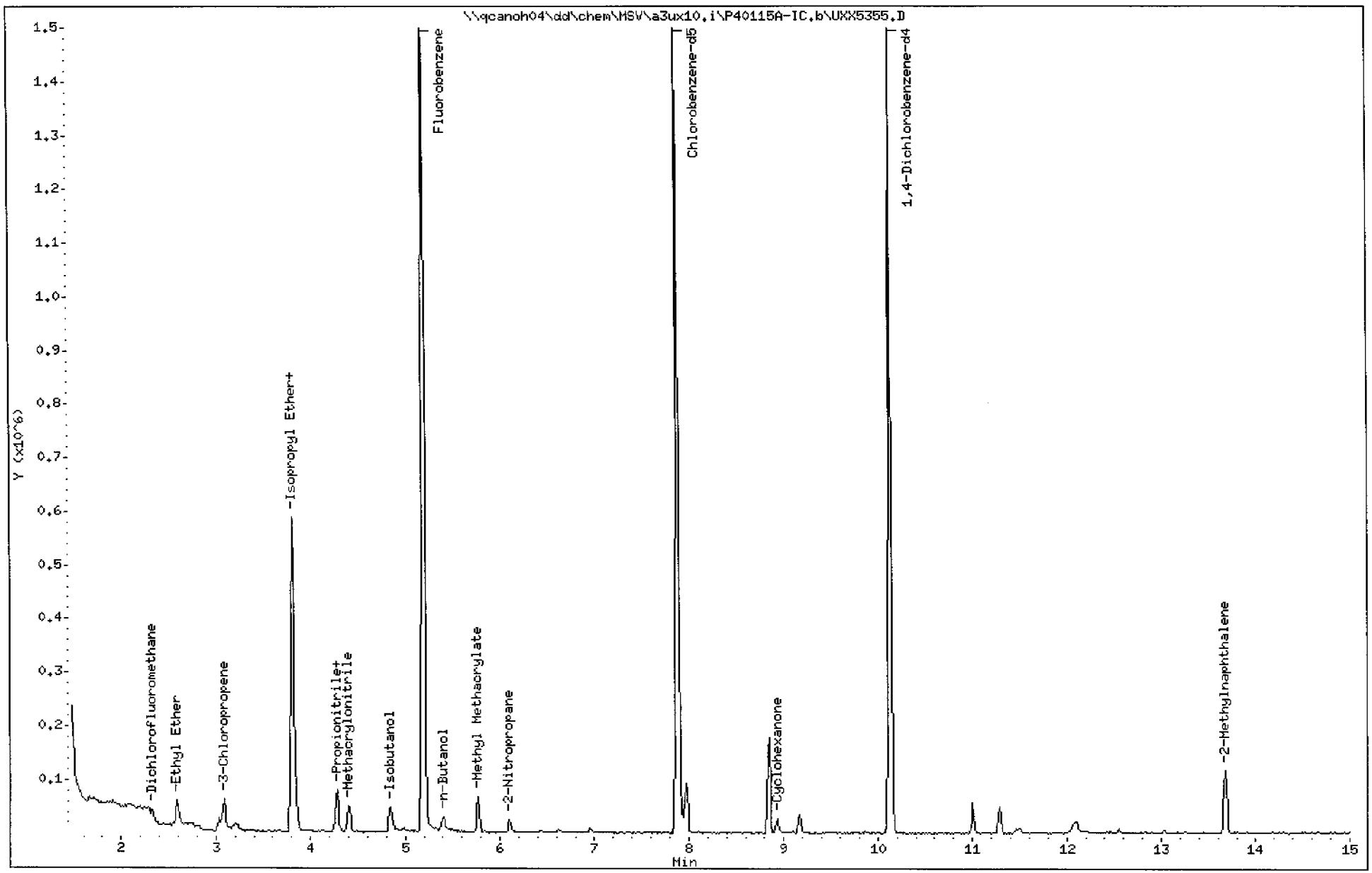
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.203	5.203	(1.000)	1651194	50.0000	
* 2 Chlorobenzene-d5	117	7.878	7.878	(1.000)	1174846	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.126	(1.000)	521754	50.0000	
14 Dichlorofluoromethane	67	2.328	2.328	(0.447)	68548	10.0000	8.345
89 Ethyl Ether	59	2.600	2.600	(0.500)	63958	10.0000	10.274
91 3-Chloropropene	76	3.085	3.085	(0.593)	31084	10.0000	9.593
92 Isopropyl Ether	87	3.807	3.807	(0.732)	303990	50.0000	49.720
93 2-Chloro-1,3-butadiene	53	3.843	3.843	(0.739)	99549	10.0000	10.154
94 Propionitrile	54	4.269	4.269	(0.820)	27065	20.0000	18.732
95 Ethyl Acetate	43	4.280	4.280	(0.823)	202161	20.0000	20.878
96 Methacrylonitrile	41	4.399	4.399	(0.845)	58868	10.0000	10.045
97 Isobutanol	41	4.848	4.848	(0.615)	70688	200.000	181.52
99 n-Butanol	56	5.405	5.405	(0.686)	51558	200.000	173.98
100 Methyl Methacrylate	41	5.771	5.771	(1.109)	72376	10.0000	10.250
101 2-Nitropropane	41	6.103	6.103	(1.173)	32766	20.0000	18.517
103 Cyclohexanone	55	8.931	8.931	(0.882)	33506	100.000	94.669
146 2-Methylnaphthalene	142	13.676	13.676	(1.351)	188805	20.0000	18.733

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5355.D
Date : 15-JAN-2004 13:14
Client ID:
Sample Info: 5NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5355.D
Report Date: 16-Jan-2004 08:22

STL North Canton

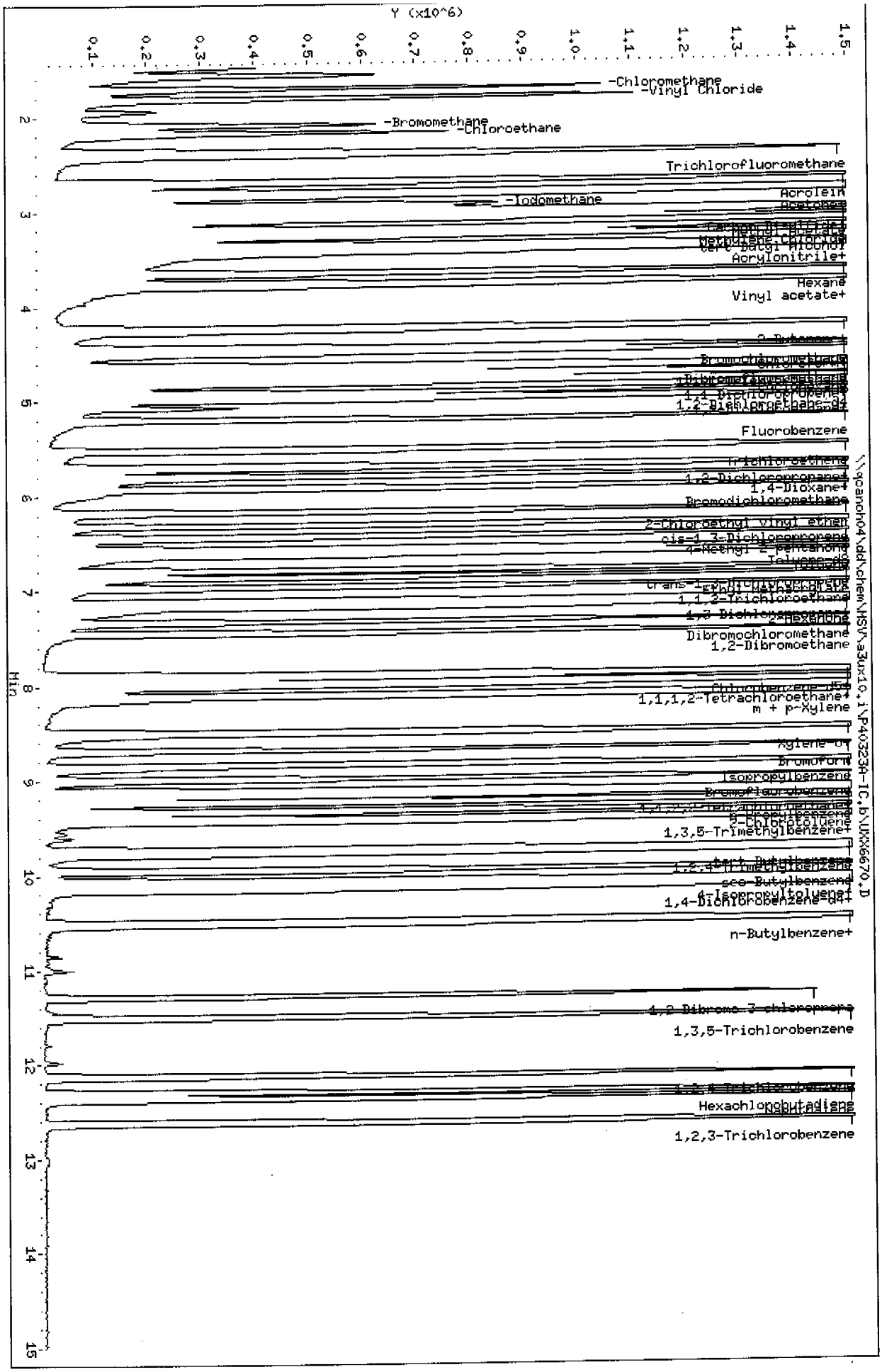
VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\UXX5355.D
Lab Smp Id: 5NG-A9IC
Inj Date : 15-JAN-2004 13:14
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-A9IC
Misc Info : P40115A-IC,8260LLUX10,7-IX+.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\8260LLUX10.m
Meth Date : 16-Jan-2004 08:21 quayler Quant Type: ISTD
Cal Date : 15-JAN-2004 13:14 Cal File: UXX5355.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.203	5.203	(1.000)	1635455	50.0000	
* 2 Chlorobenzene-d5	117	7.877	7.877	(1.000)	1183846	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.126	(1.000)	526320	50.0000	
14 Dichlorofluoromethane	67	2.328	2.328	(0.447)	37655	5.00000	4.628
89 Ethyl Ether	59	2.588	2.588	(0.497)	31325	5.00000	5.080
91 3-Chloropropene	76	3.085	3.085	(0.593)	15397	5.00000	4.798
92 Isopropyl Ether	87	3.807	3.807	(0.732)	152904	25.0000	25.250
93 2-Chloro-1,3-butadiene	53	3.842	3.842	(0.738)	47618	5.00000	4.904
94 Propionitrile	54	4.268	4.268	(0.820)	14234	10.0000	9.946
95 Ethyl Acetate	43	4.280	4.280	(0.823)	96823	10.0000	10.095
96 Methacrylonitrile	41	4.399	4.399	(0.845)	28460	5.00000	4.903
97 Isobutanol	41	4.848	4.848	(0.615)	37564	100.000	95.725
99 n-Butanol	56	5.404	5.404	(0.686)	21710	100.000	72.702
100 Methyl Methacrylate	41	5.771	5.771	(1.109)	32340	5.00000	4.624
101 2-Nitropropane	41	6.102	6.102	(1.173)	13950	10.0000	7.960
103 Cyclohexanone	55	8.930	8.930	(0.882)	16711	50.0000	46.806
146 2-Methylnaphthalene	142	13.675	13.675	(1.351)	96415	10.0000	9.483


Data File: \\qcanch04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UX66670.D
Date : 23-MAR-2004 10:04
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
Trichlorofluoromethane
Acrolein
-Iodomethane
Acetone
Carbon Disulfide
Methanol
Methylene Chloride
tert-Butyl Alcohol
Acrylonitrile+
Hexane
Vinyl acetate+
2-Butanone+
Bromochloromethane
Chloroform
Dibromofluoromethane
1,1-Dichloroethane
1,1-Dichloropropene
1,2-Dichloroethane-d4
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
Toluene
trans-1,3-Dichloropropene
Ethyl Methacrylate
1,1,2-Trichloroethane
1,3-Dichloropropane
2-Hexanone
Dibromochloromethane
1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-d10
Bromoform
Isopropylbenzene
Bromofluorobenzene
1,4,2-Chlorotoluene
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UX66670.D

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VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6670.D
Lab Smp Id: 200NG-IC
Inj Date : 23-MAR-2004 10:04 Inst ID: a3ux10.i
Operator : 1904
Smp Info : 200NG-IC
Misc Info : P40323A-IC,8260LLUX10,2-8260.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Meth Date : 23-Mar-2004 13:05 quayler Quant Type: ISTD
Cal Date : 21-JAN-2004 22:24 Cal File: UXX5486.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.194	5.194	(1.000)	2002355	50.0000	
* 2 Chlorobenzene-d5	117	7.880	7.880	(1.000)	1405616	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	(1.000)	680975	50.0000	
$ 4 Dibromofluoromethane	113	4.626	4.626	(0.891)	1506030	200.000	194.34
$ 5 1,2-Dichloroethane-d4	65	4.910	4.910	(0.945)	1872025	200.000	190.58
$ 6 Toluene-d8	98	6.567	6.567	(0.833)	6364649	200.000	199.88
$ 7 Bromofluorobenzene	95	8.993	8.993	(1.141)	2170734	200.000	189.13
8 Dichlorodifluoromethane	85	1.562	1.562	(0.301)	1083123	200.000	209.44(A)
9 Chloromethane	50	1.692	1.692	(0.326)	1528149	200.000	188.05
10 Vinyl Chloride	62	1.798	1.798	(0.346)	1550706	200.000	175.32
11 Bromomethane	94	2.082	2.082	(0.401)	625982	200.000	175.48
12 Chloroethane	64	2.177	2.177	(0.419)	1102789	200.000	205.54(A)
13 Trichlorofluoromethane	101	2.390	2.390	(0.460)	1926190	200.000	235.32(A)
15 Acrolein	56	2.686	2.686	(0.517)	4590766	2000.00	2524.4(A)
16 Acetone	43	2.816	2.816	(0.542)	3041931	400.000	440.77(A)
17 1,1-Dichloroethene	96	2.804	2.804	(0.540)	1781833	200.000	225.06(A)
18 Freon-113	151	2.828	2.828	(0.544)	1270656	200.000	248.59(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40323A-1C.D\UXX6670.D
Report Date: 23-Mar-2004 13:06

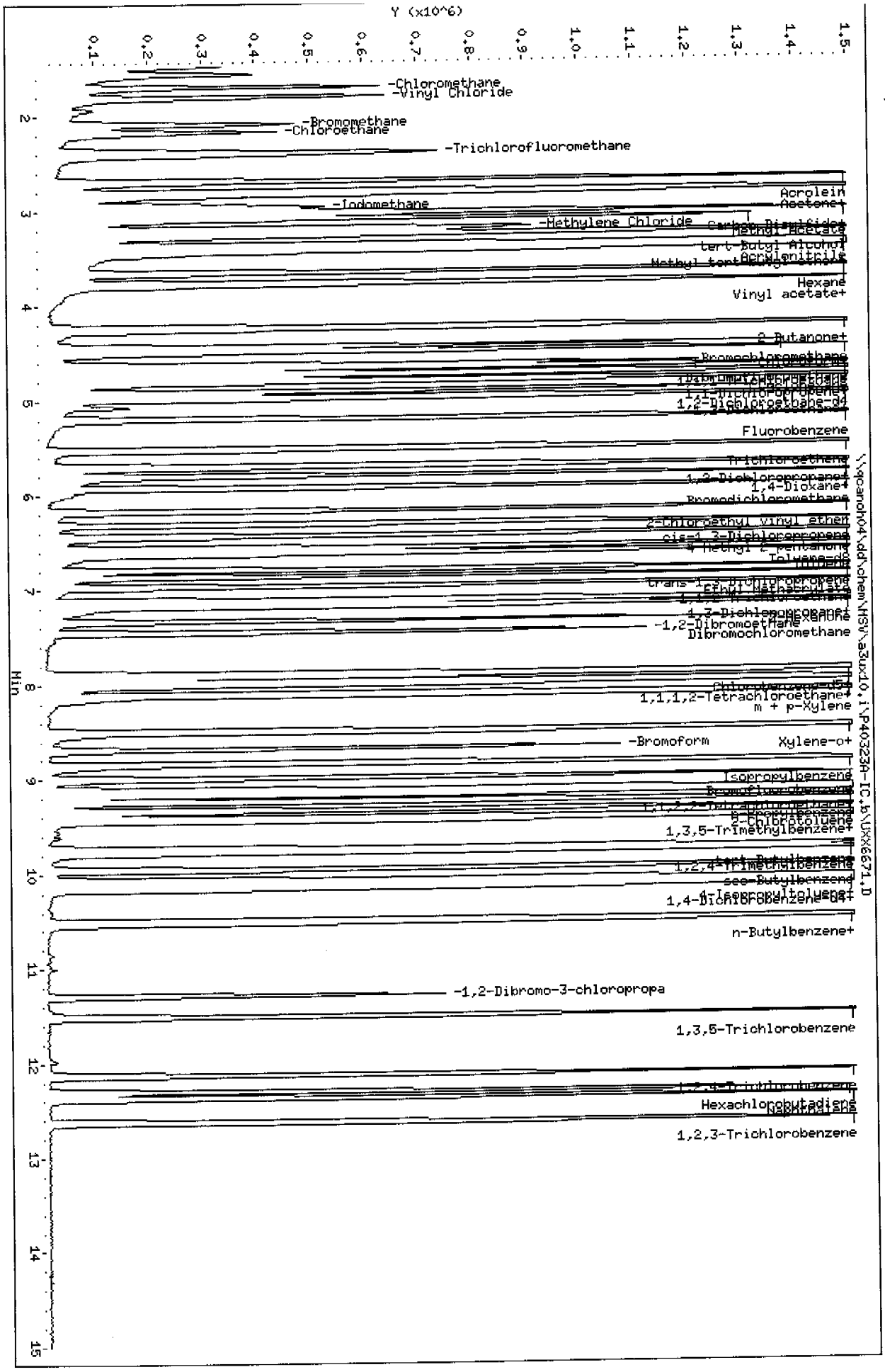
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.934	2.934	(0.565)	2026940	200.000	193.92
	20 Carbon Disulfide	76	3.017	3.017	(0.581)	4734939	200.000	208.32(A)
	21 Methylene Chloride	84	3.183	3.183	(0.613)	1671673	200.000	185.96
	22 Acetonitrile	41	3.029	3.029	(0.583)	2789261	2000.00	2221.3(A)
	23 Acrylonitrile	53	3.372	3.372	(0.649)	10592454	2000.00	2364.6(A)
	24 Methyl tert-butyl ether	73	3.419	3.419	(0.658)	5019553	200.000	150.32
	25 trans-1,2-Dichloroethene	96	3.419	3.419	(0.658)	1788863	200.000	203.02(A)
	26 Hexane	86	3.656	3.656	(0.704)	429932	200.000	172.97
	27 Vinyl acetate	43	3.786	3.786	(0.729)	3908782	200.000	225.76(A)
	28 1,1-Dichloroethane	63	3.763	3.763	(0.724)	2906124	200.000	195.86
	29 tert-Butyl Alcohol	59	3.254	3.254	(0.626)	4621791	4000.00	3977.2(A)
	30 2-Butanone	43	4.224	4.224	(0.813)	3498029	400.000	448.36(A)
M	31 1,2-Dichloroethene (total)	96				3635567	400.000	401.32
	32 cis-1,2-dichloroethene	96	4.236	4.236	(0.816)	1846704	200.000	198.30
	33 2,2-Dichloropropane	77	4.248	4.248	(0.818)	1591682	200.000	190.06
	34 Bromochloromethane	128	4.437	4.437	(0.854)	897574	200.000	202.63(A)
	35 Chloroform	83	4.496	4.496	(0.866)	2948725	200.000	195.57
	36 Tetrahydrofuran	42	4.484	4.484	(0.863)	772282	200.000	205.51(A)
	37 1,1,1-Trichloroethane	97	4.662	4.662	(0.898)	2291147	200.000	194.38
	38 1,1-Dichloropropene	75	4.804	4.804	(0.925)	2354827	200.000	201.94(A)
	39 Carbon Tetrachloride	117	4.816	4.816	(0.927)	2173525	200.000	212.27(A)
	40 1,2-Dichloroethane	62	4.970	4.970	(0.957)	2370076	200.000	196.42
	41 Benzene	78	4.981	4.981	(0.959)	7322425	200.000	205.08(A)
	42 Trichloroethene	130	5.514	5.514	(1.062)	2142543	200.000	217.44(A)
	43 1,2-Dichloropropane	63	5.703	5.703	(1.098)	1663852	200.000	203.98(A)
	44 1,4-Dioxane	88	5.798	5.798	(1.116)	1073385	10000.0	11176(A)
	45 Dibromomethane	93	5.798	5.798	(1.116)	1096004	200.000	205.27(A)
	46 Bromodichloromethane	83	5.928	5.928	(1.141)	2248521	200.000	210.52(A)
	47 2-Chloroethyl vinyl ether	63	6.165	6.165	(1.187)	2882641	400.000	522.72(A)
	48 cis-1,3-Dichloropropene	75	6.318	6.318	(1.216)	2752762	200.000	222.13(A)
	49 4-Methyl-2-pentanone	43	6.437	6.437	(1.239)	5386906	400.000	460.34(A)
	50 Toluene	91	6.626	6.626	(0.841)	7737401	200.000	199.74
	51 trans-1,3-Dichloropropene	75	6.792	6.792	(0.862)	2526504	200.000	218.89(A)
	52 Ethyl Methacrylate	69	6.863	6.863	(0.871)	2587305	200.000	220.37(A)
	53 1,1,2-Trichloroethane	97	6.969	6.969	(0.884)	1603860	200.000	203.77(A)
	54 1,3-Dichloropropane	76	7.123	7.123	(0.904)	2830260	200.000	204.91(A)
	55 Tetrachloroethene	164	7.135	7.135	(0.905)	1514021	200.000	220.01(A)
	56 2-Hexanone	43	7.182	7.182	(0.911)	4480131	400.000	469.70(A)
	57 Dibromochloromethane	129	7.336	7.336	(0.931)	1716563	200.000	220.64(A)
	58 1,2-Dibromoethane	107	7.454	7.454	(0.946)	1744774	200.000	207.98(A)
	59 Chlorobenzene	112	7.904	7.904	(1.003)	4948083	200.000	208.05(A)
	60 1,1,1,2-Tetrachloroethane	131	7.975	7.975	(1.012)	1745946	200.000	212.15(A)
	61 Ethylbenzene	106	7.999	7.999	(1.015)	2751986	200.000	211.53(A)
	62 m + p-Xylene	106	8.117	8.117	(1.030)	6787596	400.000	415.99(A)
M	63 Xylenes (total)	106				9949627	600.000	613.95
	64 Xylene-o	106	8.496	8.496	(1.078)	3162031	200.000	197.96
	65 Styrene	104	8.496	8.496	(1.078)	5513924	200.000	215.95(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40323A-1C.D\0XX6670.D
Report Date: 23-Mar-2004 13:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.685	8.685	(1.102)	1295419	200.000	254.77(A)
67 Isopropylbenzene	105	8.839	8.839	(1.122)	7947181	200.000	203.00(A)
68 1,1,2,2-Tetrachloroethane	83	9.111	9.111	(0.900)	2019901	200.000	187.88
69 1,4-Dichloro-2-butene	53	9.170	9.170	(0.905)	713615	200.000	237.74(A)
70 1,2,3-Trichloropropane	110	9.158	9.158	(0.904)	847566	200.000	200.12(A)
71 Bromobenzene	156	9.147	9.147	(0.903)	2007053	200.000	213.80(A)
72 n-Propylbenzene	120	9.241	9.241	(0.912)	2321783	200.000	205.24(A)
73 2-Chlorotoluene	126	9.336	9.336	(0.922)	1971429	200.000	201.19(A)
74 1,3,5-Trimethylbenzene	105	9.407	9.407	(0.929)	6484750	200.000	201.94(A)
75 4-Chlorotoluene	126	9.442	9.442	(0.932)	1991478	200.000	202.02(A)
76 tert-Butylbenzene	119	9.738	9.738	(0.961)	5619970	200.000	195.62
77 1,2,4-Trimethylbenzene	105	9.786	9.786	(0.966)	6466215	200.000	194.20
78 sec-Butylbenzene	105	9.951	9.951	(0.982)	8083691	200.000	198.49
79 4-Isopropyltoluene	119	10.093	10.093	(0.996)	6540894	200.000	196.89
80 1,3-Dichlorobenzene	146	10.069	10.069	(0.994)	3611908	200.000	194.83
81 1,4-Dichlorobenzene	146	10.152	10.152	(1.002)	3774115	200.000	195.98
82 n-Butylbenzene	91	10.495	10.495	(1.036)	5759932	200.000	192.68
83 1,2-Dichlorobenzene	146	10.519	10.519	(1.039)	3385629	200.000	190.78
84 1,2-Dibromo-3-chloropropane	157	11.288	11.288	(1.114)	516329	200.000	198.01
85 1,2,4-Trichlorobenzene	180	12.128	12.128	(1.197)	1798928	200.000	180.74
86 Hexachlorobutadiene	225	12.306	12.306	(1.215)	692077	200.000	176.92
87 Naphthalene	128	12.377	12.377	(1.222)	5825718	200.000	186.09
88 1,2,3-Trichlorobenzene	180	12.625	12.625	(1.246)	1537067	200.000	174.37
98 Cyclohexane	56	4.733	4.733	(0.911)	2769595	200.000	208.06(A)
143 Methyl Acetate	43	3.088	3.088	(0.595)	3999712	400.000	448.43
144 Methylcyclohexane	83	5.691	5.691	(1.096)	3045483	200.000	216.04
141 1,3,5-Trichlorobenzene	180	11.513	11.513	(1.137)	2062660	200.000	181.35

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P403230-IC.b\UX66671.D
Date : 23-MAR-2004 10:27
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
Acrolein
Acetone+
-Iodomethane
-Methylene Chloride
Carbon Disulfide
Methyl Acetate
tert-Butyl Alcohol
Acrylonitrile
Methyl tert-Butyl ether
Hexane
Vinyl acetate+
2-Butanone+
Bromochloromethane
Chloroform
Dibromofluoromethane
1,1,1-Trichloroethane
1,1-Dichloropropene
1,2-Dichloroethane-d4
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
Toluene
trans-1,3-Dichloropropene
Ethyl Methacrylate
1,1,2-Trichloroethane
1,3-Dichloropropane+
-1,2-Dibromoethane
2-Hexanone
Dibromochloromethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P403230-IC.b\UX66671.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6671.D
Lab Smp Id: 100NG-IC
Inj Date : 23-MAR-2004 10:27
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-IC
Misc Info : P40323A-IC,8260LLUX10,2-8260.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Meth Date : 23-Mar-2004 13:06 quayler Quant Type: ISTD
Cal Date : 21-JAN-2004 22:47 Cal File: UXX5487.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.203	5.203	(1.000)	1995772	50.0000	
* 2 Chlorobenzene-d5	117	7.877	7.877	(1.000)	1420216	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.126	(1.000)	673243	50.0000	
$ 4 Dibromofluoromethane	113	4.623	4.623	(0.889)	765676	100.000	98.549
$ 5 1,2-Dichloroethane-d4	65	4.907	4.907	(0.943)	929519	100.000	95.201
$ 6 Toluene-d8	98	6.564	6.564	(0.833)	3111541	100.000	96.601
$ 7 Bromofluorobenzene	95	8.990	8.990	(1.141)	1074346	100.000	93.050
8 Dichlorodifluoromethane	85	1.559	1.559	(0.300)	607247	100.000	114.88
9 Chloromethane	50	1.689	1.689	(0.325)	847579	100.000	103.29
10 Vinyl Chloride	62	1.795	1.795	(0.345)	876172	100.000	99.322
11 Bromomethane	94	2.079	2.079	(0.400)	424090	100.000	116.12
12 Chloroethane	64	2.162	2.162	(0.416)	573455	100.000	106.96
13 Trichlorofluoromethane	101	2.387	2.387	(0.459)	908144	100.000	112.22
15 Acrolein	56	2.695	2.695	(0.518)	1841912	1000.00	1008.3
16 Acetone	43	2.813	2.813	(0.541)	1292082	200.000	185.95
17 1,1-Dichloroethene	96	2.813	2.813	(0.541)	770902	100.000	97.853
18 Freon-113	151	2.825	2.825	(0.543)	575732	100.000	109.97

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40323A-1C.D\UXX0071.D
Report Date: 23-Mar-2004 13:06

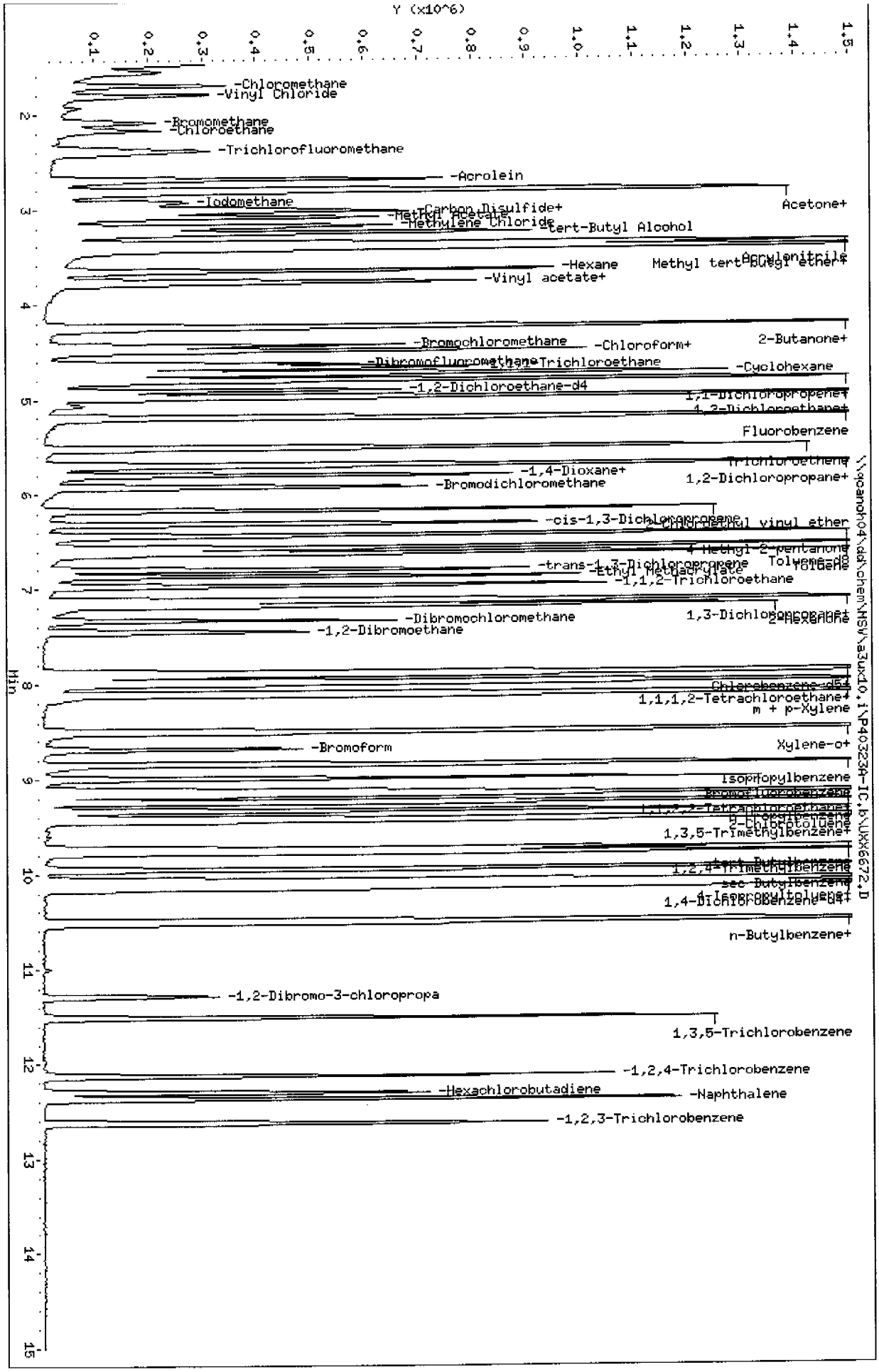
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.955	2.955	(0.568)	1090257	100.000	103.93
20 Carbon Disulfide	76	3.026	3.026	(0.582)	2284198	100.000	101.06
21 Methylene Chloride	84	3.192	3.192	(0.613)	819534	100.000	91.786
22 Acetonitrile	41	3.038	3.038	(0.584)	1218744	1000.00	965.31
23 Acrylonitrile	53	3.369	3.369	(0.648)	4384889	1000.00	980.16
24 Methyl tert-butyl ether	73	3.416	3.416	(0.657)	2438077	100.000	77.783
25 trans-1,2-Dichloroethene	96	3.416	3.416	(0.657)	870234	100.000	99.198
26 Hexane	86	3.653	3.653	(0.702)	213934	100.000	85.999
27 Vinyl acetate	43	3.783	3.783	(0.727)	1654767	100.000	97.255
28 1,1-Dichloroethane	63	3.759	3.759	(0.723)	1429539	100.000	97.218
29 tert-Butyl Alcohol	59	3.251	3.251	(0.625)	2317606	2000.00	2005.4(A)
30 2-Butanone	43	4.233	4.233	(0.814)	1633450	200.000	206.95(A)
M 31 1,2-Dichloroethene (total)	96				1808278	200.000	199.83
32 cis-1,2-dichloroethene	96	4.233	4.233	(0.814)	938044	100.000	100.63
33 2,2-Dichloropropane	77	4.245	4.245	(0.816)	809025	100.000	98.698
34 Bromochloromethane	128	4.434	4.434	(0.852)	444821	100.000	100.13
35 Chloroform	83	4.493	4.493	(0.864)	1446675	100.000	96.628
36 Tetrahydrofuran	42	4.481	4.481	(0.861)	366153	100.000	98.158
37 1,1,1-Trichloroethane	97	4.671	4.671	(0.898)	1177238	100.000	100.53
38 1,1-Dichloropropene	75	4.801	4.801	(0.923)	1160451	100.000	99.722
39 Carbon Tetrachloride	117	4.813	4.813	(0.925)	1049872	100.000	102.66
40 1,2-Dichloroethane	62	4.966	4.966	(0.955)	1156097	100.000	96.966
41 Benzene	78	4.978	4.978	(0.957)	3576092	100.000	99.960
42 Trichloroethene	130	5.511	5.511	(1.059)	1006460	100.000	101.46
43 1,2-Dichloropropane	63	5.700	5.700	(1.096)	805280	100.000	99.068
44 1,4-Dioxane	88	5.807	5.807	(1.116)	485908	5000.00	4996.6(A)
45 Dibromomethane	93	5.795	5.795	(1.114)	536131	100.000	100.39
46 Bromodichloromethane	83	5.925	5.925	(1.139)	1097048	100.000	103.29
47 2-Chloroethyl vinyl ether	63	6.162	6.162	(1.184)	1233322	200.000	220.59(A)
48 cis-1,3-Dichloropropene	75	6.315	6.315	(1.214)	1308296	100.000	106.10
49 4-Methyl-2-pentanone	43	6.434	6.434	(1.236)	2436761	200.000	207.80(A)
50 Toluene	91	6.623	6.623	(0.841)	3815850	100.000	97.604
51 trans-1,3-Dichloropropene	75	6.789	6.789	(0.862)	1232087	100.000	105.19
52 Ethyl Methacrylate	69	6.872	6.872	(0.872)	1271525	100.000	106.55
53 1,1,2-Trichloroethane	97	6.966	6.966	(0.884)	787967	100.000	98.479
54 1,3-Dichloropropane	76	7.120	7.120	(0.904)	1407761	100.000	100.64
55 Tetrachloroethene	164	7.132	7.132	(0.905)	725136	100.000	102.49
56 2-Hexanone	43	7.179	7.179	(0.911)	2075831	200.000	210.79(A)
57 Dibromochloromethane	129	7.333	7.333	(0.931)	826780	100.000	104.82
58 1,2-Dibromoethane	107	7.451	7.451	(0.946)	864539	100.000	101.00
59 Chlorobenzene	112	7.901	7.901	(1.003)	2415151	100.000	99.789
60 1,1,1,2-Tetrachloroethane	131	7.972	7.972	(1.012)	833314	100.000	100.34
61 Ethylbenzene	106	8.007	8.007	(1.017)	1315631	100.000	99.802
62 m + p-Xylene	106	8.114	8.114	(1.030)	3216725	200.000	195.37
M 63 Xylenes (total)	106				4754298	300.000	291.57
64 Xylene-o	106	8.493	8.493	(1.078)	1537573	100.000	96.196
65 Styrene	104	8.504	8.504	(1.080)	2604315	100.000	101.11

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6671.D
Report Date: 23-Mar-2004 13:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.682	8.682	(1.102)	590585	100.000	113.54
67 Isopropylbenzene	105	8.848	8.848	(1.123)	3763523	100.000	96.217
68 1,1,2,2-Tetrachloroethane	83	9.108	9.108	(0.900)	1001223	100.000	94.901
69 1,4-Dichloro-2-butene	53	9.167	9.167	(0.905)	329383	100.000	109.99
70 1,2,3-Trichloropropane	110	9.155	9.155	(0.904)	417979	100.000	99.703
71 Bromobenzene	156	9.143	9.143	(0.903)	981051	100.000	104.52
72 n-Propylbenzene	120	9.238	9.238	(0.912)	1126040	100.000	100.81
73 2-Chlorotoluene	126	9.333	9.333	(0.922)	934456	100.000	96.896
74 1,3,5-Trimethylbenzene	105	9.416	9.416	(0.930)	3101877	100.000	98.914
75 4-Chlorotoluene	126	9.439	9.439	(0.932)	943861	100.000	97.272
76 tert-Butylbenzene	119	9.735	9.735	(0.961)	2734099	100.000	97.774
77 1,2,4-Trimethylbenzene	105	9.782	9.782	(0.966)	3088479	100.000	95.348
78 sec-Butylbenzene	105	9.948	9.948	(0.982)	3806143	100.000	96.110
79 4-Isopropyltoluene	119	10.090	10.090	(0.996)	3086230	100.000	95.588
80 1,3-Dichlorobenzene	146	10.066	10.066	(0.994)	1740369	100.000	95.472
81 1,4-Dichlorobenzene	146	10.149	10.149	(1.002)	1807056	100.000	95.117
82 n-Butylbenzene	91	10.492	10.492	(1.036)	2697067	100.000	93.466
83 1,2-Dichlorobenzene	146	10.516	10.516	(1.039)	1661287	100.000	95.230
84 1,2-Dibromo-3-chloropropane	157	11.285	11.285	(1.115)	245356	100.000	97.346
85 1,2,4-Trichlorobenzene	180	12.125	12.125	(1.197)	875079	100.000	91.030
86 Hexachlorobutadiene	225	12.303	12.303	(1.215)	353516	100.000	93.020
87 Naphthalene	128	12.374	12.374	(1.222)	2758041	100.000	92.473
88 1,2,3-Trichlorobenzene	180	12.622	12.622	(1.247)	766911	100.000	90.175
98 Cyclohexane	56	4.730	4.730	(0.909)	1305295	100.000	98.397
143 Methyl Acetate	43	3.085	3.085	(0.593)	1792839	200.000	200.02
144 Methylcyclohexane	83	5.700	5.700	(1.096)	1448559	100.000	102.13
141 1,3,5-Trichlorobenzene	180	11.510	11.510	(1.137)	1031088	100.000	93.242

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 23-MAR-2004 10:50
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile
-Hexane
Methyl tert-butyl ether+
-Vinyl acetate+
2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
2-Chloroethyl vinyl ether
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
1,3-Dichloropropane+
2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6672.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6672.D
Lab Smp Id: 50NG-IC
Inj Date : 23-MAR-2004 10:50
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-IC
Misc Info : P40323A-IC,8260LLUX10,2-8260.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Meth Date : 23-Mar-2004 13:09 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.193	5.193	(1.000)	2025743	50.0000	
* 2 Chlorobenzene-d5	117	7.879	7.879	(1.000)	1411746	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.128	10.128	(1.000)	667057	50.0000	
$ 4 Dibromofluoromethane	113	4.625	4.625	(0.891)	373731	50.0000	50.035
$ 5 1,2-Dichloroethane-d4	65	4.909	4.909	(0.945)	466314	50.0000	48.649
$ 6 Toluene-d8	98	6.566	6.566	(0.833)	1512111	50.0000	50.128
$ 7 Bromofluorobenzene	95	8.992	8.992	(1.141)	525070	50.0000	50.692
8 Dichlorodifluoromethane	85	1.549	1.549	(0.298)	266796	50.0000	46.684
9 Chloromethane	50	1.691	1.691	(0.326)	424483	50.0000	49.035
10 Vinyl Chloride	62	1.797	1.797	(0.346)	408537	50.0000	47.833
11 Bromomethane	94	2.081	2.081	(0.401)	175922	50.0000	46.386
12 Chloroethane	64	2.164	2.164	(0.417)	264502	50.0000	47.451
13 Trichlorofluoromethane	101	2.389	2.389	(0.460)	378860	50.0000	47.328
15 Acrolein	56	2.685	2.685	(0.517)	868555	500.000	472.08
16 Acetone	43	2.815	2.815	(0.542)	662539	100.000	92.811
17 1,1-Dichloroethene	96	2.791	2.791	(0.537)	382703	50.0000	47.909
18 Freon-113	151	2.815	2.815	(0.542)	284165	50.0000	50.639

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6672.D
Report Date: 23-Mar-2004 13:09

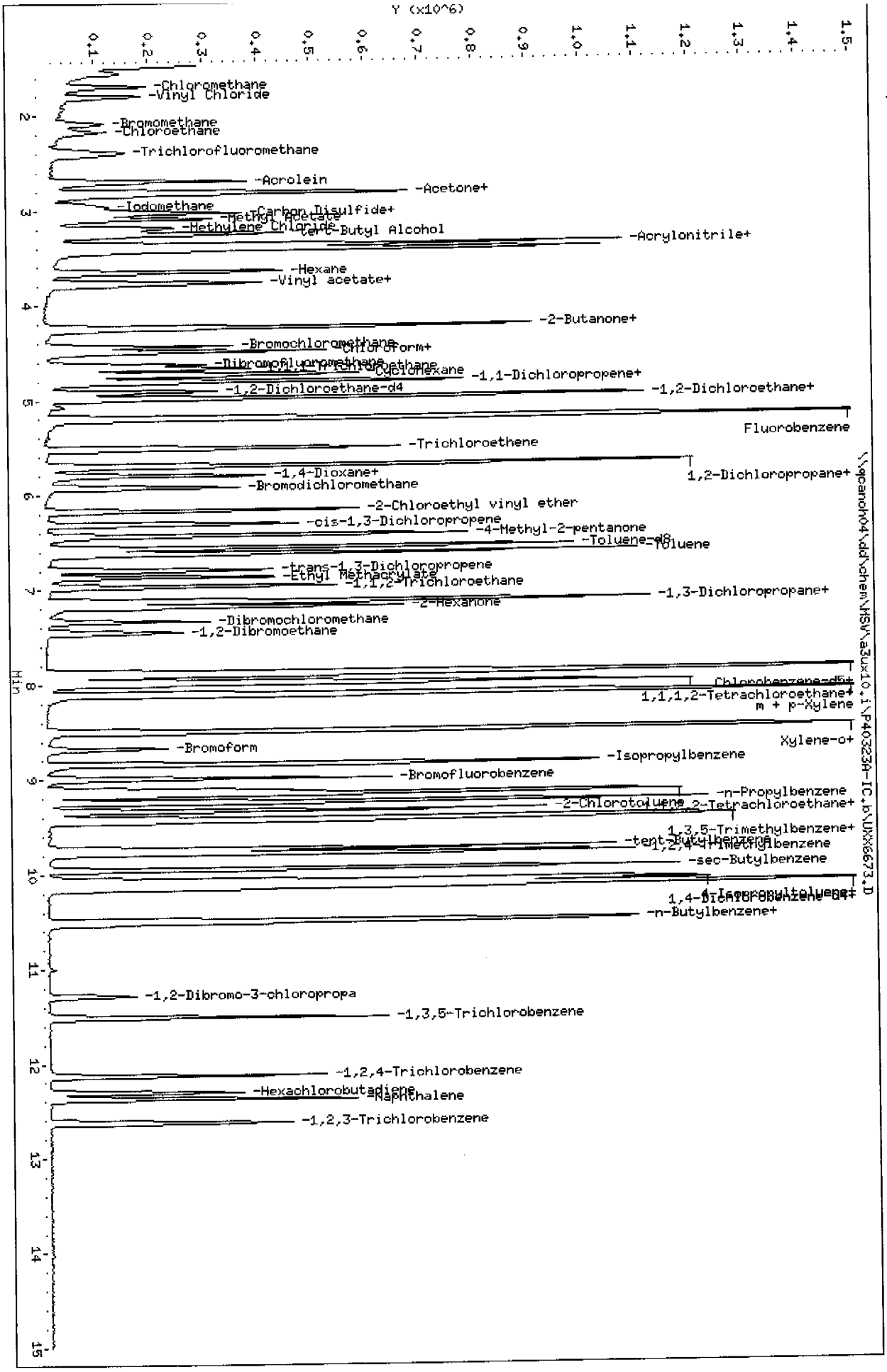
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.933	2.933	(0.565)	567676	50.0000	52.370
	20 Carbon Disulfide	76	3.004	3.004	(0.579)	1167994	50.0000	51.166
	21 Methylene Chloride	84	3.182	3.182	(0.613)	423313	50.0000	48.466
	22 Acetonitrile	41	3.028	3.028	(0.583)	597105	500.000	481.78
	23 Acrylonitrile	53	3.371	3.371	(0.649)	2172064	500.000	482.15
	24 Methyl tert-butyl ether	73	3.418	3.418	(0.658)	1221886	50.0000	50.863
	25 trans-1,2-Dichloroethene	96	3.418	3.418	(0.658)	442883	50.0000	49.367
	26 Hexane	86	3.655	3.655	(0.704)	114065	50.0000	55.071
	27 Vinyl acetate	43	3.785	3.785	(0.729)	757991	50.0000	48.013
	28 1,1-Dichloroethane	63	3.761	3.761	(0.724)	718956	50.0000	49.788
	29 tert-Butyl Alcohol	59	3.253	3.253	(0.626)	1144282	1000.00	1006.6(A)
	30 2-Butanone	43	4.223	4.223	(0.813)	784367	100.000	95.657
M	31 1,2-Dichloroethene (total)	96				914747	100.000	100.24
	32 cis-1,2-dichloroethene	96	4.235	4.235	(0.815)	471864	50.0000	50.873
	33 2,2-Dichloropropane	77	4.247	4.247	(0.818)	419014	50.0000	53.453
	34 Bromochloromethane	128	4.436	4.436	(0.854)	232948	50.0000	51.485
	35 Chloroform	83	4.495	4.495	(0.866)	722825	50.0000	48.701
	36 Tetrahydrofuran	42	4.483	4.483	(0.863)	195731	50.0000	51.832
	37 1,1,1-Trichloroethane	97	4.673	4.673	(0.900)	585575	50.0000	51.018
	38 1,1-Dichloropropene	75	4.803	4.803	(0.925)	562899	50.0000	49.205
	39 Carbon Tetrachloride	117	4.815	4.815	(0.927)	512040	50.0000	50.821
	40 1,2-Dichloroethane	62	4.968	4.968	(0.957)	553861	50.0000	47.713
	41 Benzene	78	4.968	4.968	(0.957)	1770788	50.0000	49.108
	42 Trichloroethene	130	5.513	5.513	(1.062)	530423	50.0000	50.790
	43 1,2-Dichloropropane	63	5.690	5.690	(1.096)	403423	50.0000	49.855
	44 1,4-Dioxane	88	5.809	5.809	(1.118)	264920	2500.00	2752.4(A)
	45 Dibromomethane	93	5.797	5.797	(1.116)	269072	50.0000	49.806
	46 Bromodichloromethane	83	5.927	5.927	(1.141)	513014	50.0000	48.730
	47 2-Chloroethyl vinyl ether	63	6.164	6.164	(1.187)	571506	100.000	98.651
	48 cis-1,3-Dichloropropene	75	6.317	6.317	(1.216)	628922	50.0000	50.322
	49 4-Methyl-2-pentanone	43	6.436	6.436	(1.239)	1185424	100.000	100.77
	50 Toluene	91	6.625	6.625	(0.841)	1849236	50.0000	49.590
	51 trans-1,3-Dichloropropene	75	6.791	6.791	(0.862)	565532	50.0000	50.815
	52 Ethyl Methacrylate	69	6.862	6.862	(0.871)	597814	50.0000	52.241
	53 1,1,2-Trichloroethane	97	6.968	6.968	(0.884)	381905	50.0000	48.647
	54 1,3-Dichloropropane	76	7.122	7.122	(0.904)	699565	50.0000	50.418
	55 Tetrachloroethene	164	7.134	7.134	(0.905)	355529	50.0000	49.724
	56 2-Hexanone	43	7.181	7.181	(0.911)	1018708	100.000	103.10
	57 Dibromochloromethane	129	7.335	7.335	(0.931)	384322	50.0000	50.136
	58 1,2-Dibromoethane	107	7.453	7.453	(0.946)	426707	50.0000	50.790
	59 Chlorobenzene	112	7.903	7.903	(1.003)	1175883	50.0000	48.516
	60 1,1,1,2-Tetrachloroethane	131	7.974	7.974	(1.012)	392884	50.0000	50.048
	61 Ethylbenzene	106	7.998	7.998	(1.015)	635897	50.0000	48.913
	62 m + p-Xylene	106	8.116	8.116	(1.030)	1578370	100.000	99.790
M	63 Xylenes (total)	106				2329542	150.000	150.15
	64 Xylene-o	106	8.495	8.495	(1.078)	751172	50.0000	50.356
	65 Styrene	104	8.495	8.495	(1.078)	1262287	50.0000	51.054

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-1C.D\UXX6672.D
Report Date: 23-Mar-2004 13:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.684	8.684	(1.102)	277510	50.0000	51.617
67 Isopropylbenzene	105	8.838	8.838	(1.122)	1845231	50.0000	51.564
68 1,1,2,2-Tetrachloroethane	83	9.110	9.110	(0.900)	450813	50.0000	45.440
69 1,4-Dichloro-2-butene	53	9.169	9.169	(0.905)	151898	50.0000	48.657
70 1,2,3-Trichloropropane	110	9.157	9.157	(0.904)	206933	50.0000	49.574
71 Bromobenzene	156	9.145	9.145	(0.903)	477729	50.0000	48.956
72 n-Propylbenzene	120	9.240	9.240	(0.912)	540713	50.0000	51.395
73 2-Chlorotoluene	126	9.335	9.335	(0.922)	463010	50.0000	49.487
74 1,3,5-Trimethylbenzene	105	9.406	9.406	(0.929)	1510132	50.0000	50.737
75 4-Chlorotoluene	126	9.429	9.429	(0.931)	483852	50.0000	51.013
76 tert-Butylbenzene	119	9.737	9.737	(0.961)	1275980	50.0000	49.934
77 1,2,4-Trimethylbenzene	105	9.784	9.784	(0.966)	1549315	50.0000	51.228
78 sec-Butylbenzene	105	9.950	9.950	(0.982)	1880603	50.0000	50.807
79 4-Isopropyltoluene	119	10.092	10.092	(0.996)	1481398	50.0000	50.604
80 1,3-Dichlorobenzene	146	10.068	10.068	(0.994)	862335	50.0000	49.346
81 1,4-Dichlorobenzene	146	10.151	10.151	(1.002)	903700	50.0000	49.075
82 n-Butylbenzene	91	10.494	10.494	(1.036)	1337294	50.0000	51.835
83 1,2-Dichlorobenzene	146	10.518	10.518	(1.039)	799762	50.0000	48.532
84 1,2-Dibromo-3-chloropropane	157	11.287	11.287	(1.114)	114492	50.0000	50.099
85 1,2,4-Trichlorobenzene	180	12.127	12.127	(1.197)	410631	50.0000	48.587
86 Hexachlorobutadiene	225	12.305	12.305	(1.215)	175286	50.0000	48.650
87 Naphthalene	128	12.376	12.376	(1.222)	1250503	50.0000	51.358
88 1,2,3-Trichlorobenzene	180	12.624	12.624	(1.247)	375652	50.0000	49.178
98 Cyclohexane	56	4.732	4.732	(0.911)	674762	50.0000	53.714
143 Methyl Acetate	43	3.087	3.087	(0.594)	874989	100.000	94.928
144 Methylcyclohexane	83	5.690	5.690	(1.096)	726808	50.0000	53.183
141 1,3,5-Trichlorobenzene	180	11.512	11.512	(1.137)	501673	50.0000	49.376

QC Flag Legend

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


Data File: \\qcanch04\dd\chem\HSV\a3ux10.i\P40323A-IC.b\UX66673.D
Date : 23-MAR-2004 11:14
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
Chloroform+
-Dibromofluoromethane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-n-Propylbenzene
-2-Chlorotoluene
1,1,2,2-Tetrachloroethane+
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\HSV\a3ux10.i\P40323A-IC.b\UX66673.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6673.D
Lab Smp Id: 25NG-IC
Inj Date : 23-MAR-2004 11:14
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-IC
Misc Info : P40323A-IC,8260LLUX10,2-8260.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Meth Date : 23-Mar-2004 13:07 quayler Quant Type: ISTD
Cal Date : 21-JAN-2004 23:32 Cal File: UXX5489.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.204	5.204	(1.000)	2024415	50.0000	
* 2 Chlorobenzene-d5	117	7.878	7.878	(1.000)	1413811	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.126	(1.000)	665945	50.0000	
$ 4 Dibromofluoromethane	113	4.624	4.624	(0.889)	186735	25.0000	23.950
$ 5 1,2-Dichloroethane-d4	65	4.908	4.908	(0.943)	235132	25.0000	24.070
$ 6 Toluene-d8	98	6.565	6.565	(0.833)	734735	25.0000	23.210
$ 7 Bromofluorobenzene	95	8.990	8.990	(1.141)	260529	25.0000	23.210
8 Dichlorodifluoromethane	85	1.559	1.559	(0.300)	145727	25.0000	26.460
9 Chloromethane	50	1.689	1.689	(0.325)	217018	25.0000	25.826
10 Vinyl Chloride	62	1.796	1.796	(0.345)	213967	25.0000	23.942
11 Bromomethane	94	2.092	2.092	(0.402)	90789	25.0000	24.892
12 Chloroethane	64	2.175	2.175	(0.418)	131543	25.0000	24.365
13 Trichlorofluoromethane	101	2.388	2.388	(0.459)	171636	25.0000	21.657
15 Acrolein	56	2.695	2.695	(0.518)	426416	250.000	230.00
16 Acetone	43	2.814	2.814	(0.541)	326926	50.0000	46.241
17 1,1-Dichloroethene	96	2.814	2.814	(0.541)	186601	25.0000	23.249
18 Freon-113	151	2.825	2.825	(0.543)	139607	25.0000	25.836

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-1C.D\UXX6673.D
Report Date: 23-Mar-2004 13:07

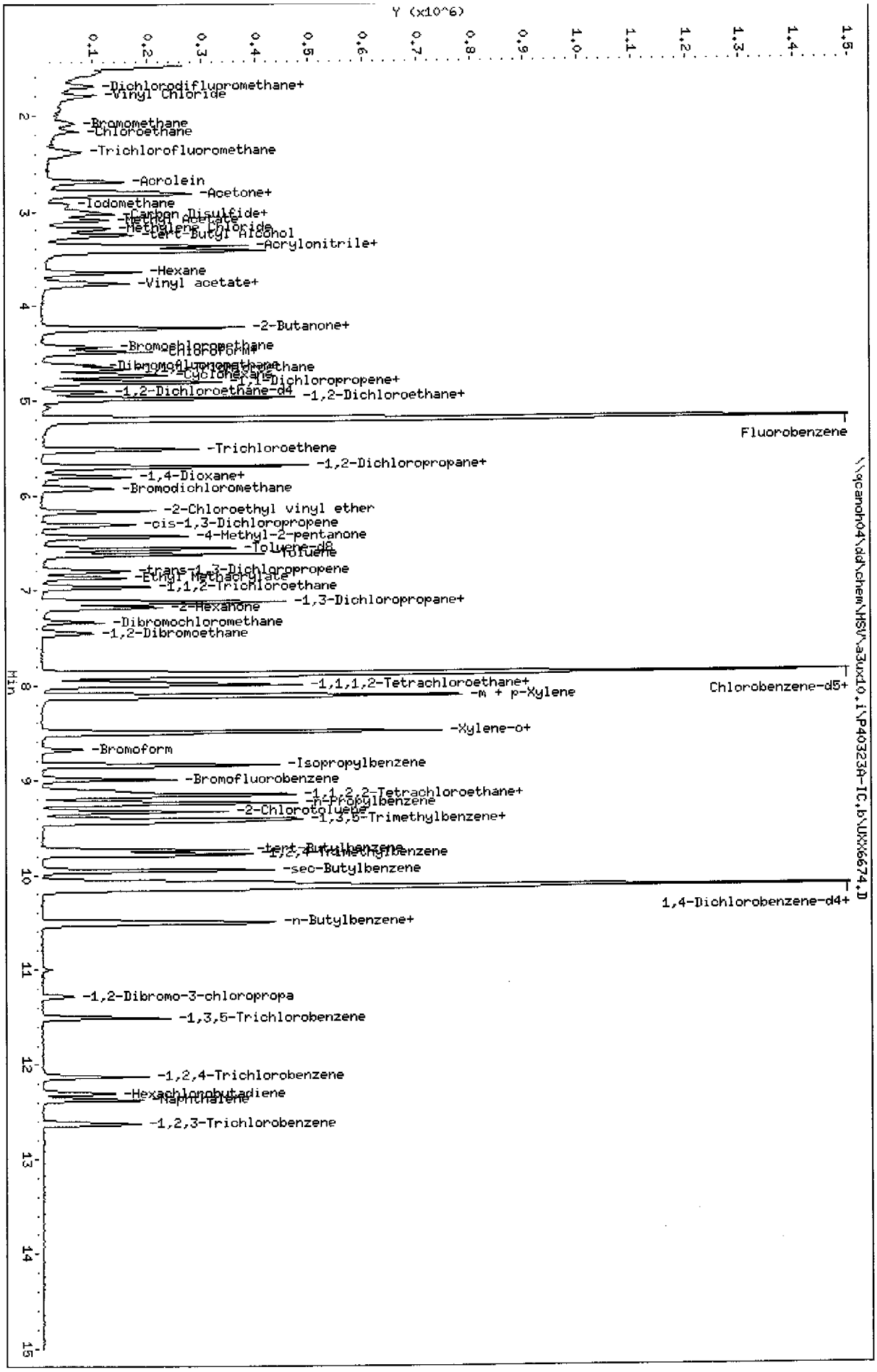
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.956	2.956	(0.568)	256716	25.0000	24.644
	20 Carbon Disulfide	76	3.015	3.015	(0.579)	531050	25.0000	23.564
	21 Methylene Chloride	84	3.192	3.192	(0.613)	207589	25.0000	23.243
	22 Acetonitrile	41	3.038	3.038	(0.584)	290523	250.000	228.27
	23 Acrylonitrile	53	3.370	3.370	(0.648)	1056888	250.000	233.59
	24 Methyl tert-butyl ether	73	3.417	3.417	(0.657)	581403	25.0000	19.341
	25 trans-1,2-Dichloroethene	96	3.417	3.417	(0.657)	219811	25.0000	24.560
	26 Hexane	86	3.654	3.654	(0.702)	49642	25.0000	20.134
	27 Vinyl acetate	43	3.784	3.784	(0.727)	367226	25.0000	21.674
	28 1,1-Dichloroethane	63	3.760	3.760	(0.723)	345086	25.0000	23.320
	29 tert-Butyl Alcohol	59	3.251	3.251	(0.625)	541539	500.000	463.92
	30 2-Butanone	43	4.233	4.233	(0.814)	390508	50.0000	48.316
M	31 1,2-Dichloroethene (total)	96				440580	50.0000	48.047
	32 cis-1,2-dichloroethene	96	4.233	4.233	(0.814)	220769	25.0000	23.486
	33 2,2-Dichloropropane	77	4.245	4.245	(0.816)	186659	25.0000	23.086
	34 Bromochloromethane	128	4.435	4.435	(0.852)	113562	25.0000	25.206
	35 Chloroform	83	4.494	4.494	(0.864)	360122	25.0000	23.798
	36 Tetrahydrofuran	42	4.482	4.482	(0.861)	87425	25.0000	23.312
	37 1,1,1-Trichloroethane	97	4.671	4.671	(0.898)	276698	25.0000	23.708
	38 1,1-Dichloropropene	75	4.801	4.801	(0.923)	275609	25.0000	23.609
	39 Carbon Tetrachloride	117	4.813	4.813	(0.925)	231278	25.0000	22.862
	40 1,2-Dichloroethane	62	4.979	4.979	(0.957)	285429	25.0000	23.750
	41 Benzene	78	4.979	4.979	(0.957)	867572	25.0000	23.836
	42 Trichloroethene	130	5.511	5.511	(1.059)	245520	25.0000	24.390
	43 1,2-Dichloropropane	63	5.701	5.701	(1.095)	195710	25.0000	23.810
	44 1,4-Dioxane	88	5.807	5.807	(1.116)	116956	1250.00	1174.6(A)
	45 Dibromomethane	93	5.795	5.795	(1.114)	128938	25.0000	23.838
	46 Bromodichloromethane	83	5.926	5.926	(1.139)	247895	25.0000	23.180
	47 2-Chloroethyl vinyl ether	63	6.162	6.162	(1.184)	271625	50.0000	47.364
	48 cis-1,3-Dichloropropene	75	6.316	6.316	(1.214)	301045	25.0000	24.045
	49 4-Methyl-2-pentanone	43	6.434	6.434	(1.236)	563267	50.0000	47.298
	50 Toluene	91	6.624	6.624	(0.841)	917031	25.0000	23.607
	51 trans-1,3-Dichloropropene	75	6.789	6.789	(0.862)	258650	25.0000	22.332
	52 Ethyl Methacrylate	69	6.860	6.860	(0.871)	268481	25.0000	22.722
	53 1,1,2-Trichloroethane	97	6.967	6.967	(0.884)	189932	25.0000	23.762
	54 1,3-Dichloropropane	76	7.121	7.121	(0.904)	338305	25.0000	24.222
	55 Tetrachloroethene	164	7.132	7.132	(0.905)	171203	25.0000	24.079
	56 2-Hexanone	43	7.180	7.180	(0.911)	480986	50.0000	48.830
	57 Dibromochloromethane	129	7.334	7.334	(0.931)	179708	25.0000	23.082
	58 1,2-Dibromoethane	107	7.452	7.452	(0.946)	205102	25.0000	24.055
	59 Chlorobenzene	112	7.902	7.902	(1.003)	588183	25.0000	24.302
	60 1,1,1,2-Tetrachloroethane	131	7.973	7.973	(1.012)	190290	25.0000	23.249
	61 Ethylbenzene	106	8.008	8.008	(1.017)	318548	25.0000	24.210
	62 m + p-Xylene	106	8.115	8.115	(1.030)	791829	50.0000	48.301
M	63 Xylenes (total)	106				1155647	75.0000	71.528
	64 Xylene-o	106	8.493	8.493	(1.078)	363818	25.0000	23.227
	65 Styrene	104	8.493	8.493	(1.078)	606688	25.0000	23.826

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6673.D
Report Date: 23-Mar-2004 13:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.683	8.683	(1.102)	124503	25.0000	23.856
67 Isopropylbenzene	105	8.848	8.848	(1.123)	858598	25.0000	22.534
68 1,1,2,2-Tetrachloroethane	83	9.109	9.109	(0.900)	253007	25.0000	24.120
69 1,4-Dichloro-2-butene	53	9.168	9.168	(0.905)	74731	25.0000	24.775
70 1,2,3-Trichloropropane	110	9.156	9.156	(0.904)	103693	25.0000	24.711
71 Bromobenzene	156	9.144	9.144	(0.903)	239325	25.0000	25.456
72 n-Propylbenzene	120	9.239	9.239	(0.912)	259893	25.0000	23.676
73 2-Chlorotoluene	126	9.333	9.333	(0.922)	228037	25.0000	23.995
74 1,3,5-Trimethylbenzene	105	9.404	9.404	(0.929)	729780	25.0000	23.805
75 4-Chlorotoluene	126	9.440	9.440	(0.932)	234303	25.0000	24.433
76 tert-Butylbenzene	119	9.736	9.736	(0.961)	628904	25.0000	23.039
77 1,2,4-Trimethylbenzene	105	9.783	9.783	(0.966)	762404	25.0000	24.013
78 sec-Butylbenzene	105	9.949	9.949	(0.982)	913122	25.0000	23.558
79 4-Isopropyltoluene	119	10.091	10.091	(0.996)	732963	25.0000	23.313
80 1,3-Dichlorobenzene	146	10.067	10.067	(0.994)	437154	25.0000	24.341
81 1,4-Dichlorobenzene	146	10.150	10.150	(1.002)	451714	25.0000	24.104
82 n-Butylbenzene	91	10.493	10.493	(1.036)	613679	25.0000	21.990
83 1,2-Dichlorobenzene	146	10.517	10.517	(1.039)	403023	25.0000	23.652
84 1,2-Dibromo-3-chloropropane	157	11.286	11.286	(1.115)	53731	25.0000	22.102
85 1,2,4-Trichlorobenzene	180	12.126	12.126	(1.197)	206507	25.0000	22.207
86 Hexachlorobutadiene	225	12.303	12.303	(1.215)	87519	25.0000	23.404
87 Naphthalene	128	12.374	12.374	(1.222)	581746	25.0000	20.447
88 1,2,3-Trichlorobenzene	180	12.623	12.623	(1.247)	186142	25.0000	22.436
98 Cyclohexane	56	4.730	4.730	(0.909)	320518	25.0000	24.039
143 Methyl Acetate	43	3.086	3.086	(0.593)	445597	50.0000	48.602
144 Methylcyclohexane	83	5.701	5.701	(1.095)	341594	25.0000	23.835
141 1,3,5-Trichlorobenzene	180	11.511	11.511	(1.137)	246342	25.0000	22.909

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P403230-IC.b\UXX6674.D
Date : 23-MAR-2004 11:36
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux10.i\P403230-IC.b\UXX6674.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6674.D
Report Date: 23-Mar-2004 13:08

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6674.D
Lab Smp Id: 10NG-IC
Inj Date : 23-MAR-2004 11:36
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-IC
Misc Info : P40323A-IC,8260LLUX10,2-8260.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Meth Date : 23-Mar-2004 13:08 quayler Quant Type: ISTD
Cal Date : 21-JAN-2004 23:55 Cal File: UXX5490.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.194	5.194	(1.000)	1983523	50.0000	
* 2 Chlorobenzene-d5	117	7.880	7.880	(1.000)	1371790	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	(1.000)	647698	50.0000	
$ 4 Dibromofluoromethane	113	4.626	4.626	(0.891)	71230	10.0000	9.430
$ 5 1,2-Dichloroethane-d4	65	4.910	4.910	(0.945)	96772	10.0000	10.085
$ 6 Toluene-d8	98	6.567	6.567	(0.833)	286497	10.0000	9.465
$ 7 Bromofluorobenzene	95	8.993	8.993	(1.141)	97342	10.0000	9.067
8 Dichlorodifluoromethane	85	1.550	1.550	(0.298)	56141	10.0000	10.197
9 Chloromethane	50	1.692	1.692	(0.326)	84379	10.0000	10.117
10 Vinyl Chloride	62	1.787	1.787	(0.344)	91856	10.0000	10.455
11 Bromomethane	94	2.082	2.082	(0.401)	40888	10.0000	10.670
12 Chloroethane	64	2.165	2.165	(0.417)	57393	10.0000	10.419
13 Trichlorofluoromethane	101	2.378	2.378	(0.458)	78650	10.0000	9.650
15 Acrolein	56	2.686	2.686	(0.517)	161233	100.000	88.644
16 Acetone	43	2.816	2.816	(0.542)	139997	20.0000	20.163
17 1,1-Dichloroethene	96	2.792	2.792	(0.538)	80492	10.0000	10.116
18 Freon-113	151	2.816	2.816	(0.542)	52189	10.0000	9.706

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6674.D
Report Date: 23-Mar-2004 13:08

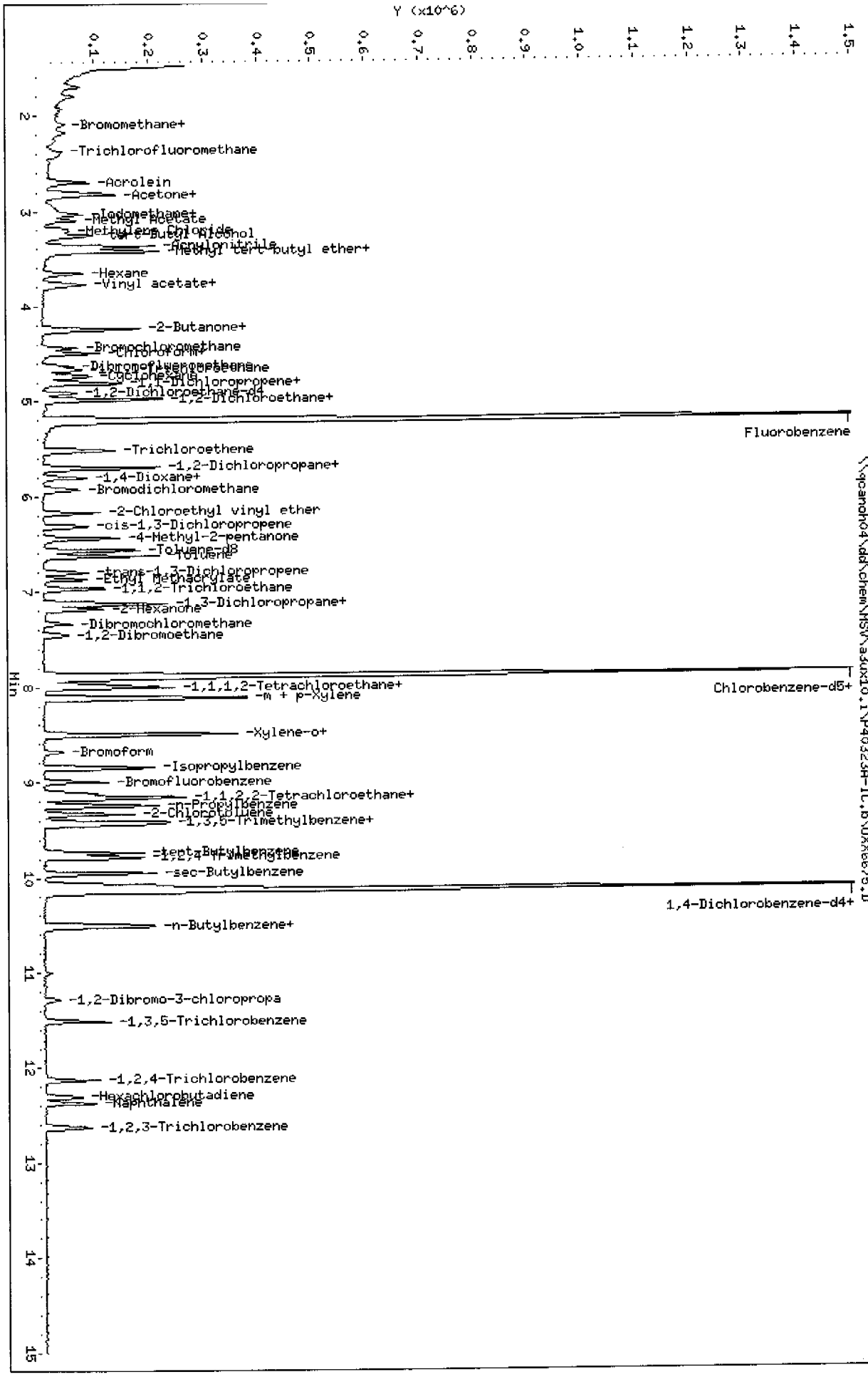
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.946	2.946	(0.567)	109206	10.0000	10.367
	20 Carbon Disulfide	76	3.017	3.017	(0.581)	225782	10.0000	10.013
	21 Methylene Chloride	84	3.183	3.183	(0.613)	85579	10.0000	9.783
	22 Acetonitrile	41	3.029	3.029	(0.583)	111172	100.000	90.228
	23 Acrylonitrile	53	3.372	3.372	(0.649)	409035	100.000	92.564
	24 Methyl tert-butyl ether	73	3.420	3.420	(0.658)	222713	10.0000	8.105
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.658)	87851	10.0000	9.982
	26 Hexane	86	3.644	3.644	(0.702)	20336	10.0000	8.942
	27 Vinyl acetate	43	3.786	3.786	(0.729)	134905	10.0000	8.303
	28 1,1-Dichloroethane	63	3.763	3.763	(0.724)	138789	10.0000	9.625
	29 tert-Butyl Alcohol	59	3.254	3.254	(0.626)	213206	200.000	187.82
	30 2-Butanone	43	4.224	4.224	(0.813)	155644	20.0000	19.608
M	31 1,2-Dichloroethene (total)	96				182769	20.0000	20.200
	32 cis-1,2-dichloroethene	96	4.236	4.236	(0.816)	94918	10.0000	10.219
	33 2,2-Dichloropropane	77	4.248	4.248	(0.818)	79717	10.0000	10.071
	34 Bromochloromethane	128	4.437	4.437	(0.854)	42864	10.0000	9.592
	35 Chloroform	83	4.484	4.484	(0.863)	141651	10.0000	9.645
	36 Tetrahydrofuran	42	4.484	4.484	(0.863)	37186	10.0000	10.124
	37 1,1,1-Trichloroethane	97	4.674	4.674	(0.900)	113105	10.0000	9.810
	38 1,1-Dichloropropene	75	4.804	4.804	(0.925)	110834	10.0000	9.763
	39 Carbon Tetrachloride	117	4.816	4.816	(0.927)	98016	10.0000	9.705
	40 1,2-Dichloroethane	62	4.970	4.970	(0.957)	114273	10.0000	9.722
	41 Benzene	78	4.970	4.970	(0.957)	349256	10.0000	9.778
	42 Trichloroethene	130	5.514	5.514	(1.062)	104149	10.0000	10.375
	43 1,2-Dichloropropane	63	5.691	5.691	(1.096)	74855	10.0000	9.381
	44 1,4-Dioxane	88	5.810	5.810	(1.118)	37625	500.000	400.16(A)
	45 Dibromomethane	93	5.798	5.798	(1.116)	53216	10.0000	9.948
	46 Bromodichloromethane	83	5.928	5.928	(1.141)	97777	10.0000	9.403
	47 2-Chloroethyl vinyl ether	63	6.165	6.165	(1.187)	98246	20.0000	17.455
	48 cis-1,3-Dichloropropene	75	6.307	6.307	(1.214)	114590	10.0000	9.327
	49 4-Methyl-2-pentanone	43	6.437	6.437	(1.239)	204880	20.0000	17.843
	50 Toluene	91	6.626	6.626	(0.841)	348486	10.0000	9.339
	51 trans-1,3-Dichloropropene	75	6.792	6.792	(0.862)	98634	10.0000	8.937
	52 Ethyl Methacrylate	69	6.863	6.863	(0.871)	99748	10.0000	8.698
	53 1,1,2-Trichloroethane	97	6.969	6.969	(0.884)	77331	10.0000	10.049
	54 1,3-Dichloropropane	76	7.123	7.123	(0.904)	130766	10.0000	9.730
	55 Tetrachloroethene	164	7.123	7.123	(0.904)	67960	10.0000	9.790
	56 2-Hexanone	43	7.182	7.182	(0.911)	175223	20.0000	18.308
	57 Dibromochloromethane	129	7.336	7.336	(0.931)	69500	10.0000	9.253
	58 1,2-Dibromoethane	107	7.455	7.455	(0.946)	81399	10.0000	9.801
	59 Chlorobenzene	112	7.904	7.904	(1.003)	241620	10.0000	10.211
	60 1,1,1,2-Tetrachloroethane	131	7.975	7.975	(1.012)	71703	10.0000	9.105
	61 Ethylbenzene	106	7.999	7.999	(1.015)	127902	10.0000	9.964
	62 m + p-Xylene	106	8.117	8.117	(1.030)	302054	20.0000	19.073
M	63 Xylenes (total)	106				438053	30.0000	28.196
	64 Xylene-o	106	8.496	8.496	(1.078)	135999	10.0000	9.123
	65 Styrene	104	8.496	8.496	(1.078)	226826	10.0000	9.208

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-1C.D\UXX6674.D
Report Date: 23-Mar-2004 13:08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.685	8.685	(1.102)	45805	10.0000	8.977
67 Isopropylbenzene	105	8.839	8.839	(1.122)	329691	10.0000	9.051
68 1,1,2,2-Tetrachloroethane	83	9.111	9.111	(0.900)	90642	10.0000	9.200
69 1,4-Dichloro-2-butene	53	9.158	9.158	(0.904)	28936	10.0000	9.649
70 1,2,3-Trichloropropane	110	9.158	9.158	(0.904)	41139	10.0000	10.035
71 Bromobenzene	156	9.147	9.147	(0.903)	93197	10.0000	10.145
72 n-Propylbenzene	120	9.241	9.241	(0.912)	98274	10.0000	9.269
73 2-Chlorotoluene	126	9.336	9.336	(0.922)	90575	10.0000	9.896
74 1,3,5-Trimethylbenzene	105	9.407	9.407	(0.929)	283496	10.0000	9.573
75 4-Chlorotoluene	126	9.442	9.442	(0.932)	89229	10.0000	9.706
76 tert-Butylbenzene	119	9.738	9.738	(0.961)	230549	10.0000	8.925
77 1,2,4-Trimethylbenzene	105	9.774	9.774	(0.965)	282295	10.0000	9.312
78 sec-Butylbenzene	105	9.951	9.951	(0.982)	348226	10.0000	9.360
79 4-Isopropyltoluene	119	10.093	10.093	(0.996)	262372	10.0000	8.853
80 1,3-Dichlorobenzene	146	10.070	10.070	(0.994)	172216	10.0000	9.953
81 1,4-Dichlorobenzene	146	10.152	10.152	(1.002)	179024	10.0000	9.907
82 n-Butylbenzene	91	10.496	10.496	(1.036)	242685	10.0000	9.141
83 1,2-Dichlorobenzene	146	10.519	10.519	(1.039)	162835	10.0000	9.926
84 1,2-Dibromo-3-chloropropane	157	11.288	11.288	(1.114)	20661	10.0000	8.762
85 1,2,4-Trichlorobenzene	180	12.128	12.128	(1.197)	78155	10.0000	8.997
86 Hexachlorobutadiene	225	12.306	12.306	(1.215)	34471	10.0000	9.757
87 Naphthalene	128	12.365	12.365	(1.221)	201621	10.0000	7.683
88 1,2,3-Trichlorobenzene	180	12.625	12.625	(1.246)	74660	10.0000	9.500
98 Cyclohexane	56	4.733	4.733	(0.911)	117833	10.0000	9.103
143 Methyl Acetate	43	3.088	3.088	(0.595)	171043	20.0000	19.110
144 Methylcyclohexane	83	5.691	5.691	(1.096)	122628	10.0000	8.814
141 1,3,5-Trichlorobenzene	180	11.513	11.513	(1.137)	96831	10.0000	9.510

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 23-MAR-2004 11:59
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile
-Methyl tert-butyl ether+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6675.D
Lab Smp Id: 5NG-IC
Inj Date : 23-MAR-2004 11:59
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-IC
Misc Info : P40323A-IC,8260LLUX10,2-8260.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Meth Date : 23-Mar-2004 13:08 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.195	5.195	(1.000)	1927446	50.0000	
* 2 Chlorobenzene-d5	117	7.881	7.881	(1.000)	1377773	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	(1.000)	628545	50.0000	
$ 4 Dibromofluoromethane	113	4.627	4.627	(0.891)	34268	5.00000	4.784
$ 5 1,2-Dichloroethane-d4	65	4.911	4.911	(0.945)	47510	5.00000	5.143
$ 6 Toluene-d8	98	6.567	6.567	(0.833)	141627	5.00000	4.797
$ 7 Bromofluorobenzene	95	8.993	8.993	(1.141)	47055	5.00000	4.608
8 Dichlorodifluoromethane	85	1.562	1.562	(0.301)	27329	5.00000	5.013
9 Chloromethane	50	1.692	1.692	(0.326)	46688	5.00000	5.674
10 Vinyl Chloride	62	1.799	1.799	(0.346)	39924	5.00000	4.814
11 Bromomethane	94	2.094	2.094	(0.403)	18820	5.00000	5.110
12 Chloroethane	64	2.165	2.165	(0.417)	26783	5.00000	4.975
13 Trichlorofluoromethane	101	2.402	2.402	(0.462)	31344	5.00000	4.082
15 Acrolein	56	2.698	2.698	(0.519)	83579	50.0000	47.509
16 Acetone	43	2.816	2.816	(0.542)	78625	10.0000	11.619
17 1,1-Dichloroethene	96	2.816	2.816	(0.542)	36854	5.00000	4.855
18 Freon-113	151	2.840	2.840	(0.547)	22822	5.00000	4.377

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40323A-1C.D\UXX6675.D
Report Date: 23-Mar-2004 13:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.970	2.970	(0.572)	52032	5.00000	5.141
	20 Carbon Disulfide	76	3.029	3.029	(0.583)	105400	5.00000	4.912
	21 Methylene Chloride	84	3.207	3.207	(0.617)	48125	5.00000	5.796
	22 Acetonitrile	41	3.041	3.041	(0.585)	61643	50.0000	51.529
	23 Acrylonitrile	53	3.372	3.372	(0.649)	212602	50.0000	49.460
	24 Methyl tert-butyl ether	73	3.420	3.420	(0.658)	112015	5.00000	4.531
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.658)	44325	5.00000	5.202
	26 Hexane	86	3.644	3.644	(0.702)	8259	5.00000	4.186
	27 Vinyl acetate	43	3.786	3.786	(0.729)	69073	5.00000	4.476
	28 1,1-Dichloroethane	63	3.763	3.763	(0.724)	71672	5.00000	5.151
	29 tert-Butyl Alcohol	59	3.254	3.254	(0.626)	110228	100.000	100.07
	30 2-Butanone	43	4.236	4.236	(0.816)	80446	10.0000	10.358
M	31 1,2-Dichloroethene (total)	96				86291	10.0000	9.958
	32 cis-1,2-dichloroethene	96	4.248	4.248	(0.818)	41966	5.00000	4.755
	33 2,2-Dichloropropane	77	4.236	4.236	(0.816)	32244	5.00000	4.316
	34 Bromochloromethane	128	4.437	4.437	(0.854)	21456	5.00000	4.992
	35 Chloroform	83	4.496	4.496	(0.866)	76665	5.00000	5.394
	36 Tetrahydrofuran	42	4.485	4.485	(0.863)	18187	5.00000	5.026
	37 1,1,1-Trichloroethane	97	4.662	4.662	(0.898)	52285	5.00000	4.770
	38 1,1-Dichloropropene	75	4.804	4.804	(0.925)	53947	5.00000	4.933
	39 Carbon Tetrachloride	117	4.816	4.816	(0.927)	44208	5.00000	4.580
	40 1,2-Dichloroethane	62	4.970	4.970	(0.957)	55916	5.00000	4.950
	41 Benzene	78	4.982	4.982	(0.959)	177012	5.00000	5.127
	42 Trichloroethene	130	5.514	5.514	(1.061)	50121	5.00000	5.147
	43 1,2-Dichloropropane	63	5.692	5.692	(1.096)	40030	5.00000	5.164
	44 1,4-Dioxane	88	5.810	5.810	(1.118)	22317	250.000	246.60(A)
	45 Dibromomethane	93	5.798	5.798	(1.116)	25934	5.00000	5.008
	46 Bromodichloromethane	83	5.928	5.928	(1.141)	49899	5.00000	4.940
	47 2-Chloroethyl vinyl ether	63	6.165	6.165	(1.187)	47966	10.0000	8.659
	48 cis-1,3-Dichloropropene	75	6.307	6.307	(1.214)	54488	5.00000	4.536
	49 4-Methyl-2-pentanone	43	6.437	6.437	(1.239)	104676	10.0000	9.347
	50 Toluene	91	6.626	6.626	(0.841)	182896	5.00000	4.988
	51 trans-1,3-Dichloropropene	75	6.792	6.792	(0.862)	49031	5.00000	4.442
	52 Ethyl Methacrylate	69	6.863	6.863	(0.871)	49203	5.00000	4.358
	53 1,1,2-Trichloroethane	97	6.969	6.969	(0.884)	39201	5.00000	5.074
	54 1,3-Dichloropropane	76	7.123	7.123	(0.904)	68726	5.00000	5.054
	55 Tetrachloroethene	164	7.123	7.123	(0.904)	34871	5.00000	5.047
	56 2-Hexanone	43	7.182	7.182	(0.911)	86961	10.0000	9.144
	57 Dibromochloromethane	129	7.336	7.336	(0.931)	34830	5.00000	4.627
	58 1,2-Dibromoethane	107	7.455	7.455	(0.946)	38792	5.00000	4.736
	59 Chlorobenzene	112	7.904	7.904	(1.003)	120484	5.00000	5.078
	60 1,1,1,2-Tetrachloroethane	131	7.975	7.975	(1.012)	35195	5.00000	4.568
	61 Ethylbenzene	106	7.999	7.999	(1.015)	61001	5.00000	4.795
	62 m + p-Xylene	106	8.117	8.117	(1.030)	143765	10.0000	9.258
M	63 Xylenes (total)	106				215929	15.0000	14.154
	64 Xylene-o	106	8.496	8.496	(1.078)	72164	5.00000	4.896
	65 Styrene	104	8.496	8.496	(1.078)	107094	5.00000	4.395

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.D\UXX6675.D
Report Date: 23-Mar-2004 13:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.685	8.685	(1.102)	22667	5.00000	4.357
67 Isopropylbenzene	105	8.839	8.839	(1.122)	157440	5.00000	4.435
68 1,1,2,2-Tetrachloroethane	83	9.111	9.111	(0.900)	52880	5.00000	5.432
69 1,4-Dichloro-2-butene	53	9.159	9.159	(0.904)	13945	5.00000	4.715
70 1,2,3-Trichloropropane	110	9.159	9.159	(0.904)	19893	5.00000	5.035
71 Bromobenzene	156	9.147	9.147	(0.903)	48328	5.00000	5.271
72 n-Propylbenzene	120	9.241	9.241	(0.912)	43566	5.00000	4.354
73 2-Chlorotoluene	126	9.336	9.336	(0.922)	44744	5.00000	5.026
74 1,3,5-Trimethylbenzene	105	9.407	9.407	(0.929)	129326	5.00000	4.545
75 4-Chlorotoluene	126	9.443	9.443	(0.932)	44988	5.00000	4.999
76 tert-Butylbenzene	119	9.738	9.738	(0.961)	114212	5.00000	4.620
77 1,2,4-Trimethylbenzene	105	9.774	9.774	(0.965)	134669	5.00000	4.652
78 sec-Butylbenzene	105	9.951	9.951	(0.982)	163594	5.00000	4.608
79 4-Isopropyltoluene	119	10.093	10.093	(0.996)	127266	5.00000	4.511
80 1,3-Dichlorobenzene	146	10.070	10.070	(0.994)	82068	5.00000	4.955
81 1,4-Dichlorobenzene	146	10.153	10.153	(1.002)	91818	5.00000	5.280
82 n-Butylbenzene	91	10.496	10.496	(1.036)	110871	5.00000	4.457
83 1,2-Dichlorobenzene	146	10.519	10.519	(1.039)	79706	5.00000	5.070
84 1,2-Dibromo-3-chloropropane	157	11.288	11.288	(1.114)	10277	5.00000	4.635
85 1,2,4-Trichlorobenzene	180	12.129	12.129	(1.197)	40949	5.00000	4.938
86 Hexachlorobutadiene	225	12.306	12.306	(1.215)	19614	5.00000	5.704
87 Naphthalene	128	12.377	12.377	(1.222)	99632	5.00000	4.098
88 1,2,3-Trichlorobenzene	180	12.626	12.626	(1.246)	37902	5.00000	5.103
98 Cyclohexane	56	4.733	4.733	(0.911)	46413	5.00000	3.891
143 Methyl Acetate	43	3.088	3.088	(0.595)	92177	10.0000	10.453
144 Methylcyclohexane	83	5.692	5.692	(1.096)	53071	5.00000	4.104
141 1,3,5-Trichlorobenzene	180	11.513	11.513	(1.137)	50723	5.00000	5.162

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6676.D
Report Date: 23-Mar-2004 13:15

STL North Canton

RECOVERY REPORT

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

Client SDG: SDGa00297
Fraction: VOA
Operator: 1904
SampleType: METHSPIKE
Quant Type: ISTD

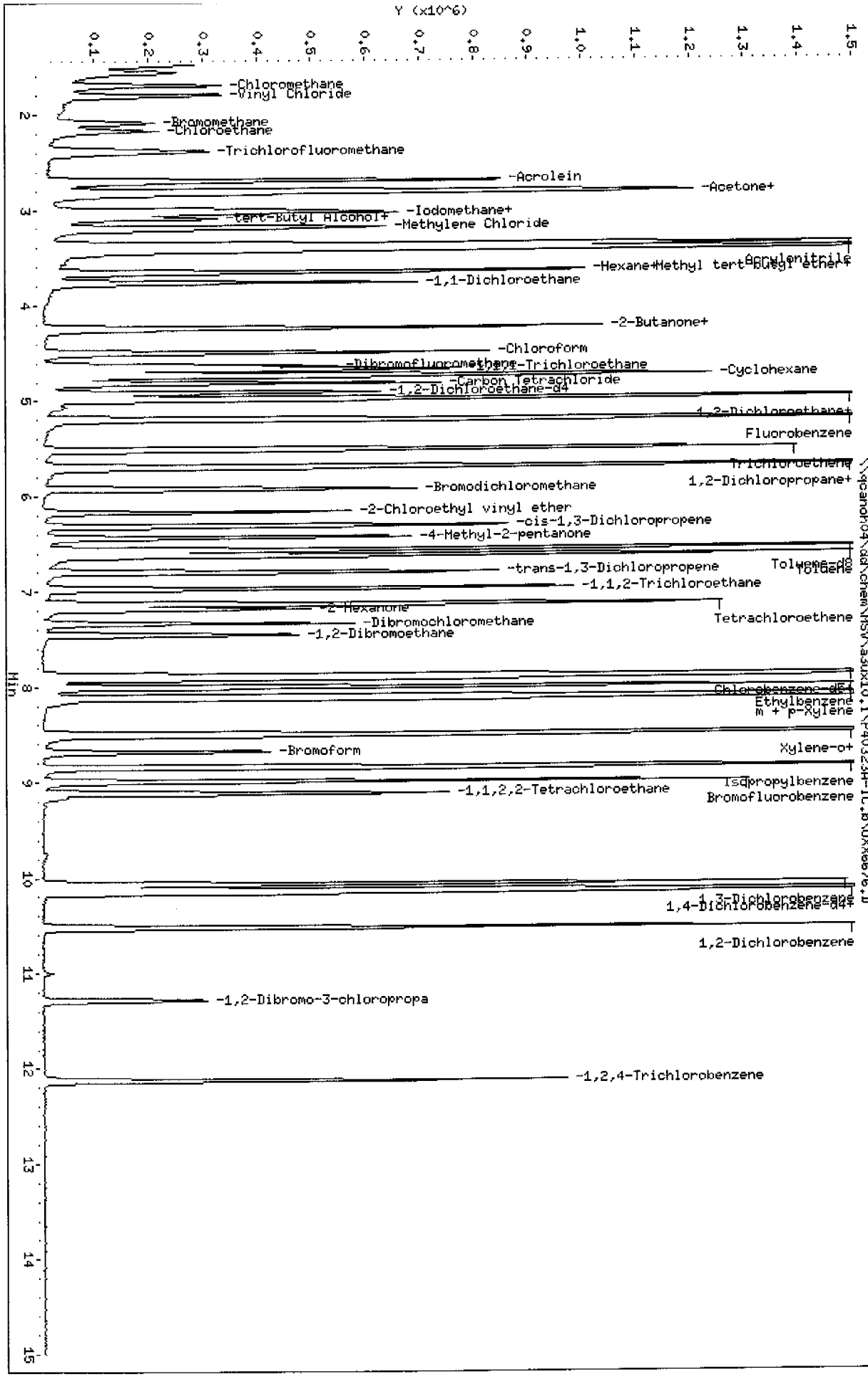
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Misc Info: P40323A-IC,8260LLUX10,2-8260.SUB,1904,3

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	10.436	104.36	45-155
	42 Trichloroethene	10.000	10.314	103.14	45-155
	59 Chlorobenzene	10.000	9.721	97.21	45-155
	50 Toluene	10.000	9.781	97.81	45-155
	41 Benzene	10.000	9.820	98.20	45-155
	16 Acetone	10.000	5.615	56.15	45-155
	20 Carbon Disulfide	10.000	10.568	105.68	45-155
	9 Chloromethane	10.000	10.614	106.14	45-155
	11 Bromomethane	10.000	10.252	102.52	45-155
	10 Vinyl Chloride	10.000	11.095	110.95	45-155
	12 Chloroethane	10.000	9.871	98.71	45-155
	21 Methylene Chloride	10.000	9.690	96.90	45-155
	28 1,1-Dichloroethane	10.000	10.288	102.88	45-155
M	31 1,2-Dichloroethene	20.000	20.486	102.43	45-155
	35 Chloroform	10.000	9.942	99.42	45-155
	40 1,2-Dichloroethane	10.000	9.862	98.62	45-155
	30 2-Butanone	10.000	6.951	69.51	45-155
	37 1,1,1-Trichloroeth	10.000	10.080	100.80	45-155
	39 Carbon Tetrachlori	10.000	9.710	97.10	45-155
	46 Bromodichlorometha	10.000	9.940	99.40	45-155
	43 1,2-Dichloropropan	10.000	9.762	97.62	45-155
	48 cis-1,3-Dichloropr	10.000	9.652	96.52	45-155
	57 Dibromochlorometha	10.000	9.392	93.92	45-155
	53 1,1,2-Trichloroeth	10.000	9.630	96.30	45-155
	51 trans-1,3-Dichloro	10.000	9.812	98.12	45-155
	66 Bromoform	10.000	9.662	96.62	45-155
	49 4-Methyl-2-pentano	10.000	9.086	90.86	45-155
	56 2-Hexanone	10.000	7.611	76.11	45-155
	55 Tetrachloroethene	10.000	9.693	96.93	45-155
	68 1,1,2,2-Tetrachlor	10.000	8.851	88.51	45-155
	61 Ethylbenzene	10.000	9.791	97.91	45-155
	65 Styrene	10.000	10.083	100.83	45-155
	62 m + p-Xylene	20.000	19.950	99.75	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.D\UXX6676.D
Report Date: 23-Mar-2004 13:15

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
M 63 Xylenes (total)	30.000	30.048	100.16	45-155
64 Xylene-o	10.000	10.098	100.98	45-155
32 cis-1,2-dichloroet	10.000	10.096	100.96	45-155
25 trans-1,2-Dichloro	10.000	10.390	103.90	45-155
8 Dichlorodifluorome	10.000	12.235	122.35	45-155
13 Trichlorofluoromet	10.000	10.751	107.51	45-155
18 Freon-113	10.000	11.613	116.13	45-155
24 Methyl tert-butyl	10.000	9.911	99.11	45-155
58 1,2-Dibromoethane	10.000	9.411	94.11	45-155
67 Isopropylbenzene	10.000	10.561	105.61	45-155
80 1,3-Dichlorobenzen	10.000	9.895	98.95	45-155
81 1,4-Dichlorobenzen	10.000	9.773	97.73	45-155
83 1,2-Dichlorobenzen	10.000	9.955	99.55	45-155
84 1,2-Dibromo-3-chlo	10.000	9.418	94.18	45-155
85 1,2,4-Trichloroben	10.000	9.896	98.96	45-155
98 Cyclohexane	10.000	10.558	105.58	45-155
143 Methyl Acetate	10.000	9.320	93.20	45-155
144 Methylcyclohexane	10.000	10.655	106.55	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.740	97.40	73-122
$ 5 1,2-Dichloroethane	10.000	9.763	97.63	61-128
$ 6 Toluene-d8	10.000	10.075	100.75	76-110
$ 7 Bromofluorobenzene	10.000	9.968	99.68	74-116


Data File: \\qcanch04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6676.D
Date : 23-MAR-2004 12:22
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-tert-Butyl Alcohol+
-Methylene Chloride
Acrylonitrile
-Hexane+Methyl tert-Butyl ether+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-2-Hexanone
Tetrachloroethene
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6676.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6676.D
Report Date: 23-Mar-2004 13:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\UXX6676.D
Lab Smp Id: ICV
Inj Date : 23-MAR-2004 12:22
Operator : 1904 Inst ID: a3ux10.i
Smp Info : ICV
Misc Info : P40323A-IC,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\8260LLUX10.m
Meth Date : 23-Mar-2004 13:13 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.194	5.194	(1.000)	1958389	50.0000	
* 2 Chlorobenzene-d5	117	7.880	7.879	(1.000)	1394525	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.128	(1.000)	637675	50.0000	
$ 4 Dibromofluoromethane	113	4.626	4.625	(0.891)	351664	48.6997	9.740
$ 5 1,2-Dichloroethane-d4	65	4.910	4.909	(0.945)	452370	48.8173	9.763
$ 6 Toluene-d8	98	6.567	6.566	(0.833)	1500974	50.3737	10.075
$ 7 Bromofluorobenzene	95	8.993	8.992	(1.141)	509958	49.8408	9.968
8 Dichlorodifluoromethane	85	1.550	1.549	(0.298)	337998	61.1772	12.235
9 Chloromethane	50	1.692	1.691	(0.326)	444148	53.0712	10.614
10 Vinyl Chloride	62	1.798	1.797	(0.346)	458053	55.4749	11.095
11 Bromomethane	94	2.082	2.081	(0.401)	187939	51.2593	10.252
12 Chloroethane	64	2.165	2.164	(0.417)	265982	49.3573	9.871
13 Trichlorofluoromethane	101	2.390	2.389	(0.460)	470168	53.7558	10.751
15 Acrolein	56	2.686	2.685	(0.517)	1060456	596.203	119.24
16 Acetone	43	2.816	2.815	(0.542)	193763	28.0765	5.615
17 1,1-Dichloroethene	96	2.804	2.791	(0.540)	402950	52.1791	10.436
18 Freon-113	151	2.816	2.815	(0.542)	315001	58.0644	11.613

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-1C.D\UXX6676.D
Report Date: 23-Mar-2004 13:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.958	2.933	(0.569)	19396	1.85088	0.3702
	20 Carbon Disulfide	76	3.005	3.004	(0.579)	1166087	52.8391	10.568
	21 Methylene Chloride	84	3.183	3.182	(0.613)	409130	48.4530	9.690
	22 Acetonitrile	41	3.041	3.028	(0.585)	570233	475.928	95.186
	23 Acrylonitrile	53	3.372	3.371	(0.649)	2155736	494.986	98.997
	24 Methyl tert-butyl ether	73	3.419	3.418	(0.658)	1150928	49.5572	9.911
	25 trans-1,2-Dichloroethene	96	3.419	3.418	(0.658)	450551	51.9495	10.390
	26 Hexane	86	3.656	3.655	(0.704)	117705	58.7827	11.756
	27 Vinyl acetate	43	3.644	3.785	(0.702)	368798	24.1639	4.833
	28 1,1-Dichloroethane	63	3.763	3.761	(0.724)	718083	51.4380	10.288
	29 tert-Butyl Alcohol	59	3.088	3.253	(0.595)	34681	31.5585	6.312
	30 2-Butanone	43	4.224	4.223	(0.813)	275501	34.7541	6.951
M	31 1,2-Dichloroethene (total)	96				903188	102.428	20.486
	32 cis-1,2-dichloroethene	96	4.236	4.235	(0.815)	452637	50.4788	10.096
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.496	4.495	(0.866)	713290	49.7116	9.942
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.674	4.673	(0.900)	559230	50.3984	10.080
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.816	4.815	(0.927)	472916	48.5526	9.710
	40 1,2-Dichloroethane	62	4.970	4.968	(0.957)	553366	49.3097	9.862
	41 Benzene	78	4.970	4.968	(0.957)	1711642	49.0999	9.820
	42 Trichloroethene	130	5.514	5.513	(1.061)	520675	51.5708	10.314
	43 1,2-Dichloropropane	63	5.691	5.690	(1.096)	381847	48.8119	9.762
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.928	5.927	(1.141)	505845	49.7014	9.940
	47 2-Chloroethyl vinyl ether	63	6.165	6.164	(1.187)	262631	46.8935	9.379
	48 cis-1,3-Dichloropropene	75	6.307	6.317	(1.214)	583092	48.2591	9.652
	49 4-Methyl-2-pentanone	43	6.437	6.436	(1.239)	516649	45.4297	9.086
	50 Toluene	91	6.626	6.625	(0.841)	1801418	48.9041	9.781
	51 trans-1,3-Dichloropropene	75	6.792	6.791	(0.862)	539367	49.0626	9.812
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.969	6.968	(0.884)	373383	48.1489	9.630
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.123	7.134	(0.904)	342314	48.4673	9.693
	56 2-Hexanone	43	7.182	7.181	(0.911)	371435	38.0550	7.611
	57 Dibromochloromethane	129	7.336	7.335	(0.931)	355596	46.9618	9.392
	58 1,2-Dibromoethane	107	7.454	7.453	(0.946)	390519	47.0564	9.411
	59 Chlorobenzene	112	7.904	7.903	(1.003)	1163699	48.6059	9.721
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.999	7.998	(1.015)	628659	48.9538	9.791
	62 m + p-Xylene	106	8.117	8.116	(1.030)	1558482	99.7495	19.950
M	63 Xylenes (total)	106				2302442	150.238	30.048
	64 Xylene-o	106	8.496	8.495	(1.078)	743960	50.4888	10.098
	65 Styrene	104	8.496	8.495	(1.078)	1231322	50.4171	10.083

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40323A-1C.D\UXX6676.D
Report Date: 23-Mar-2004 13:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	8.685	8.684	(1.102)	256579	48.3130	9.662
67 Isopropylbenzene	105	8.839	8.838	(1.122)	1866641	52.8063	10.561
68 1,1,2,2-Tetrachloroethane	83	9.111	9.110	(0.900)	419715	44.2551	8.851
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	10.069	10.068	(0.994)	826488	49.4738	9.895
81 1,4-Dichlorobenzene	146	10.152	10.151	(1.002)	860232	48.8668	9.773
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.519	10.518	(1.039)	784141	49.7770	9.955
84 1,2-Dibromo-3-chloropropane	157	11.288	11.287	(1.114)	102872	47.0889	9.418
85 1,2,4-Trichlorobenzene	180	12.128	12.127	(1.197)	399759	49.4802	9.896
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.733	4.732	(0.911)	641098	52.7891	10.558
143 Methyl Acetate	43	3.088	3.087	(0.595)	415274	46.6026	9.320
144 Methylcyclohexane	83	5.691	5.690	(1.096)	703857	53.2752	10.655
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Start Cal Date: 14-JAN-2004 15:04
End Cal Date : 23-MAR-2004 11:59
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
22-JAN-2004 00:17	ADD	UXX5491.D
15-JAN-2004 13:14	7-IX+	UXX5355.D
23-MAR-2004 11:59	2-8260	UXX6675.D
Cal Level: 2 , Cal Amount: 10.000		
21-JAN-2004 23:55	ADD	UXX5490.D
15-JAN-2004 12:51	7-IX+	UXX5354.D
23-MAR-2004 11:36	2-8260	UXX6674.D
Cal Level: 3 , Cal Amount: 25.000		
21-JAN-2004 23:32	ADD	UXX5489.D
15-JAN-2004 12:28	7-IX+	UXX5353.D
23-MAR-2004 11:14	2-8260	UXX6673.D
Cal Level: 4 , Cal Amount: 50.000		
21-JAN-2004 23:09	ADD	UXX5488.D
15-JAN-2004 12:06	7-IX+	UXX5352.D
23-MAR-2004 10:50	2-8260	UXX6672.D
Cal Level: 5 , Cal Amount: 100.00		
21-JAN-2004 22:47	ADD	UXX5487.D
15-JAN-2004 11:43	7-IX+	UXX5351.D
23-MAR-2004 10:27	2-8260	UXX6671.D
Cal Level: 6 , Cal Amount: 200.00		
21-JAN-2004 22:24	ADD	UXX5486.D
15-JAN-2004 11:20	7-IX+	UXX5350.D
23-MAR-2004 10:04	2-8260	UXX6670.D

Continuing Calibration

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7010.D
Report Date: 08-Apr-2004 10:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i
Lab File ID: UXX7010.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m

Injection Date: 06-APR-2004 18:12
Init. Cal. Date(s): 14-JAN-2004 23-MAR-2004
Init. Cal. Times: 15:04 11:59
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.18436	0.19519	0.010	5.9	50.0
$	5 1,2-Dichloroethane-d4	0.23659	0.22466	0.010	-5.0	50.0
$	6 Toluene-d8	1.06835	1.10174	0.010	3.1	50.0
$	7 Bromofluorobenzene	0.36685	0.37323	0.010	1.7	50.0
	8 Dichlorodifluoromethane	0.14106	0.10235	0.010	-27.4	50.0
	9 Chloromethane	0.21367	0.18961	0.100	-11.3	50.0
	10 Vinyl Chloride	0.21081	0.20593	0.010	-2.3	20.0
	11 Bromomethane	0.09361	0.08866	0.010	-5.3	50.0
	12 Chloroethane	0.13759	0.11143	0.010	-19.0	50.0
	13 Trichlorofluoromethane	50.00000	30.46226	0.010	39.1	50.0
	15 Acrolein	0.04541	0.03960	0.010	-12.8	50.0
	16 Acetone	0.17620	0.09609	0.010	-45.5	50.0
	17 1,1-Dichloroethene	0.19716	0.19839	0.010	0.6	20.0
	18 Freon-113	0.13851	0.14038	0.010	1.4	50.0
	19 Iodomethane	0.26755	0.29626	0.010	10.7	50.0
	20 Carbon Disulfide	0.56344	0.61572	0.010	9.3	50.0
	21 Methylene Chloride	0.21558	0.21827	0.010	1.2	50.0
	22 Acetonitrile	0.03059	0.02627	0.010	-14.1	50.0
	23 Acrylonitrile	0.11119	0.10063	0.010	-9.5	50.0
	24 Methyl tert-butyl ether	0.59294	0.68212	0.010	15.0	50.0
	25 trans-1,2-Dichloroethene	0.22143	0.22391	0.010	1.1	50.0
	26 Hexane	0.05112	0.05197	0.010	1.7	20.0
	27 Vinyl acetate	0.38967	0.38978	0.010	0.0	50.0
	28 1,1-Dichloroethane	0.35642	0.36467	0.100	2.3	50.0
	29 tert-Butyl Alcohol	0.02806	0.02323	0.010	-17.2	50.0
	30 2-Butanone	0.20239	0.13161	0.010	-35.0	50.0
M	31 1,2-Dichloroethene (total)	0.22518	0.22822	0.010	1.3	50.0
	32 cis-1,2-dichloroethene	0.22893	0.23252	0.010	1.6	50.0
	33 2,2-Dichloropropane	0.19348	0.19929	0.010	3.0	50.0
	34 Bromochloromethane	0.11168	0.11359	0.010	1.7	50.0
	35 Chloroform	0.36634	0.37252	0.010	1.7	20.0
	36 Tetrahydrofuran	0.09321	0.08367	0.010	-10.2	50.0
	37 1,1,1-Trichloroethane	0.28330	0.27770	0.010	-2.0	50.0
	38 1,1-Dichloropropene	0.28236	0.29677	0.010	5.1	50.0
	39 Carbon Tetrachloride	0.24868	0.26280	0.010	5.7	50.0
	40 1,2-Dichloroethane	0.28652	0.29961	0.010	4.6	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7010.D
Report Date: 08-Apr-2004 10:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i
Lab File ID: UXX7010.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m

Injection Date: 06-APR-2004 18:12
Init. Cal. Date(s): 14-JAN-2004 23-MAR-2004
Init. Cal. Times: 15:04 11:59
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	0.89003	0.88102	0.010	-1.0	50.0	
	42 Trichloroethene	0.25777	0.23954	0.010	-7.1	50.0	
	43 1,2-Dichloropropane	0.19973	0.20420	0.010	2.2	20.0	
	44 1,4-Dioxane	0.00238	0.00188	0.010	-20.8	50.0	<-
	45 Dibromomethane	0.13334	0.13241	0.010	-0.7	50.0	
	46 Bromodichloromethane	0.25985	0.25651	0.010	-1.3	50.0	
	47 2-Chloroethyl vinyl ether	0.14299	0.13612	0.010	-4.8	50.0	
	48 cis-1,3-Dichloropropene	0.30848	0.31842	0.010	3.2	50.0	
	49 4-Methyl-2-pentanone	0.29035	0.27517	0.010	-5.2	50.0	
	50 Toluene	1.32073	1.31775	0.010	-0.2	20.0	
	51 trans-1,3-Dichloropropene	0.39416	0.40972	0.010	3.9	50.0	
	52 Ethyl Methacrylate	0.40529	0.42425	0.010	4.7	50.0	
	53 1,1,2-Trichloroethane	0.27804	0.27995	0.010	0.7	50.0	
	54 1,3-Dichloropropane	0.49142	0.49055	0.010	-0.2	50.0	
	55 Tetrachloroethene	0.25323	0.26788	0.010	5.8	50.0	
	56 2-Hexanone	0.34996	0.30220	0.010	-13.6	50.0	
	57 Dibromochloromethane	0.27149	0.28303	0.010	4.2	50.0	
	58 1,2-Dibromoethane	0.29756	0.29467	0.010	-1.0	50.0	
	59 Chlorobenzene	0.85841	0.84857	0.300	-1.1	50.0	
	60 1,1,1,2-Tetrachloroethane	0.27803	0.29838	0.010	7.3	50.0	
	61 Ethylbenzene	0.46044	0.46489	0.010	1.0	20.0	
	62 m + p-Xylene	0.56019	0.57642	0.010	2.9	50.0	
M	63 Xylenes (total)	0.54957	0.56541	0.010	2.9	50.0	
	64 Xylene-o	0.52832	0.54339	0.010	2.9	50.0	
	65 Styrene	0.87566	0.90819	0.010	3.7	50.0	
	66 Bromoform	0.19042	0.18804	0.100	-1.2	50.0	
	67 Isopropylbenzene	1.26742	1.29774	0.010	2.4	50.0	
	68 1,1,2,2-Tetrachloroethane	0.74364	0.75179	0.300	1.1	50.0	
	69 1,4-Dichloro-2-butene	0.23400	0.16907	0.010	-27.7	50.0	
	70 1,2,3-Trichloropropane	0.31288	0.28445	0.010	-9.1	50.0	
	71 Bromobenzene	0.73145	0.69785	0.010	-4.6	50.0	
	72 n-Propylbenzene	0.78859	0.82814	0.010	5.0	50.0	
	73 2-Chlorotoluene	0.70130	0.68327	0.010	-2.6	50.0	
	74 1,3,5-Trimethylbenzene	2.23100	2.20355	0.010	-1.2	50.0	
	75 4-Chlorotoluene	0.71095	0.71496	0.010	0.6	50.0	
	76 tert-Butylbenzene	1.91537	1.97806	0.010	3.3	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7010.D
Report Date: 08-Apr-2004 10:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i
Lab File ID: UXX7010.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m

Injection Date: 06-APR-2004 18:12
Init. Cal. Date(s): 14-JAN-2004 23-MAR-2004
Init. Cal. Times: 15:04 11:59
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.26695	2.19481	0.010	-3.2	50.0
78 sec-Butylbenzene	2.77449	2.70030	0.010	-2.7	50.0
79 4-Isopropyltoluene	2.19427	2.23562	0.010	1.9	50.0
80 1,3-Dichlorobenzene	1.30988	1.25112	0.010	-4.5	50.0
81 1,4-Dichlorobenzene	1.38030	1.31998	0.010	-4.4	50.0
82 n-Butylbenzene	1.93380	1.85674	0.010	-4.0	50.0
83 1,2-Dichlorobenzene	1.23520	1.17468	0.010	-4.9	50.0
84 1,2-Dibromo-3-chloropropane	0.17130	0.15722	0.010	-8.2	50.0
85 1,2,4-Trichlorobenzene	0.63349	0.64553	0.010	1.9	50.0
86 Hexachlorobutadiene	0.27007	0.27135	0.010	0.5	50.0
87 Naphthalene	1.82507	1.91204	0.010	4.8	50.0
88 1,2,3-Trichlorobenzene	0.57257	0.58994	0.010	3.0	50.0
98 Cyclohexane	0.31006	0.34794	0.010	12.2	50.0
143 Methyl Acetate	0.22751	0.21324	0.010	-6.3	50.0
144 Methylcyclohexane	0.33731	0.38645	0.010	14.6	50.0
141 1,3,5-Trichlorobenzene	0.76157	0.76253	0.010	0.1	50.0

Report Date: 04/08/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX7010.D
Analysis Type: WATER

Injection Date: 06-APR-2004 18:12
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	49.4265	1.1	50.0
0 Bromodichloromethane	50.0000	49.3584	1.3	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	50.5479	1.1	50.0
0 Bromoform	50.0000	49.3767	1.2	50.0
0 Styrene	50.0000	51.8570	3.7	50.0
0 Xylene-o	50.0000	51.4264	2.9	50.0
0 Xylenes (total)	150.0000	154.3236	2.9	50.0
0 2-Hexanone	100.0000	86.3533	13.6	50.0
0 Chloromethane	50.0000	44.3710	11.3	50.0
0 Vinyl Chloride	50.0000	48.8416	2.3	20.0
0 Bromomethane	50.0000	47.3583	5.3	50.0
0 Chloroethane	50.0000	40.4934	19.0	50.0
0 1,1-Dichloroethane	50.0000	51.1573	2.3	50.0
0 Tetrachloroethene	50.0000	52.8921	5.8	50.0
0 Acetone	100.0000	54.5330	45.5	50.0
0 1,1-Dichloroethene	50.0000	50.3121	0.6	20.0
0 m + p-Xylene	100.0000	102.8973	2.9	50.0
0 Ethylbenzene	50.0000	50.4835	1.0	20.0
0 Carbon Disulfide	50.0000	54.6396	9.3	50.0
0 Methylene Chloride	50.0000	50.6238	1.2	50.0
0 1,2-Dichloropropane	50.0000	51.1199	2.2	20.0
0 1,1,2-Trichloroethane	50.0000	50.3438	0.7	50.0
0 Dibromochloromethane	50.0000	52.1245	4.2	50.0
0 trans-1,2-Dichloroethene	50.0000	50.5614	1.1	50.0
0 trans-1,3-Dichloropropene	50.0000	51.9738	3.9	50.0
0 cis-1,3-Dichloropropene	50.0000	51.6108	3.2	50.0
0 Chloroform	50.0000	50.8447	1.7	20.0
0 Toluene	50.0000	49.8872	0.2	20.0
0 2-Butanone	100.0000	65.0281	35.0	50.0
0 1,2-Dichloroethene (total)	100.0000	101.3446	1.3	50.0
0 cis-1,2-dichloroethene	50.0000	50.7832	1.6	50.0
0 4-Methyl-2-pentanone	100.0000	94.7713	5.2	50.0
0 1,2-Dichloroethane	50.0000	52.2851	4.6	50.0
0 Trichloroethene	50.0000	46.4636	7.1	50.0
0 1,1,1-Trichloroethane	50.0000	49.0124	2.0	50.0
0 Carbon Tetrachloride	50.0000	52.8391	5.7	50.0
0 Benzene	50.0000	49.4940	1.0	50.0
38 Dichlorodifluoromethane	50.0000	36.2792	27.4	50.0
39 Trichlorofluoromethane	50.0000	30.4623	39.1	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\
Report Date: 04/08/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX7010.D
Analysis Type: WATER

Injection Date: 06-APR-2004 18:12
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	436.0610	12.8	50.0
41 Acrylonitrile	500.0000	452.4919	9.5	50.0
42 Vinyl acetate	50.0000	50.0151	0.0	50.0
43 2-Chloroethyl vinyl ether	100.0000	95.1954	4.8	50.0
47 Freon-113	50.0000	50.6751	1.4	50.0
48 1,3-Dichlorobenzene	50.0000	47.7572	4.5	50.0
49 1,4-Dichlorobenzene	50.0000	47.8151	4.4	50.0
50 1,2-Dichlorobenzene	50.0000	47.5502	4.9	50.0
51 Acetonitrile	500.0000	429.3398	14.1	50.0
52 Iodomethane	50.0000	55.3650	10.7	50.0
59 1,4-Dioxane	2500.0000	1980.5461	20.8	50.0
60 Dibromomethane	50.0000	49.6503	0.7	50.0
62 Ethyl Methacrylate	50.0000	52.3380	4.7	50.0
63 1,2-Dibromoethane	50.0000	49.5147	1.0	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	53.6603	7.3	50.0
65 1,2,3-Trichloropropane	50.0000	45.4572	9.1	50.0
66 1,4-Dichloro-2-butene	50.0000	36.1253	27.7	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	45.8908	8.2	50.0
82 Methyl tert-butyl ether	50.0000	57.5199	15.0	50.0
84 Tetrahydrofuran	50.0000	44.8813	10.2	50.0
98 2,2-Dichloropropane	50.0000	51.5006	3.0	50.0
99 1,1-Dichloropropene	50.0000	52.5522	5.1	50.0
100 1,3-Dichloropropane	50.0000	49.9106	0.2	50.0
102 Bromobenzene	50.0000	47.7029	4.6	50.0
103 2-Chlorotoluene	50.0000	48.7148	2.6	50.0
104 n-Propylbenzene	50.0000	52.5075	5.0	50.0
105 4-Chlorotoluene	50.0000	50.2820	0.6	50.0
106 1,3,5-Trimethylbenzene	50.0000	49.3849	1.2	50.0
107 tert-Butylbenzene	50.0000	51.6366	3.3	50.0
108 1,2,4-Trimethylbenzene	50.0000	48.4090	3.2	50.0
109 sec-Butylbenzene	50.0000	48.6631	2.7	50.0
110 4-Isopropyltoluene	50.0000	50.9422	1.9	50.0
111 n-Butylbenzene	50.0000	48.0075	4.0	50.0
112 1,2,4-Trichlorobenzene	50.0000	50.9502	1.9	50.0
113 Naphthalene	50.0000	52.3827	4.8	50.0
114 Hexachlorobutadiene	50.0000	50.2382	0.5	50.0
115 1,2,3-Trichlorobenzene	50.0000	51.5176	3.0	50.0
124 tert-Butyl Alcohol	1000.0000	827.9449	17.2	50.0

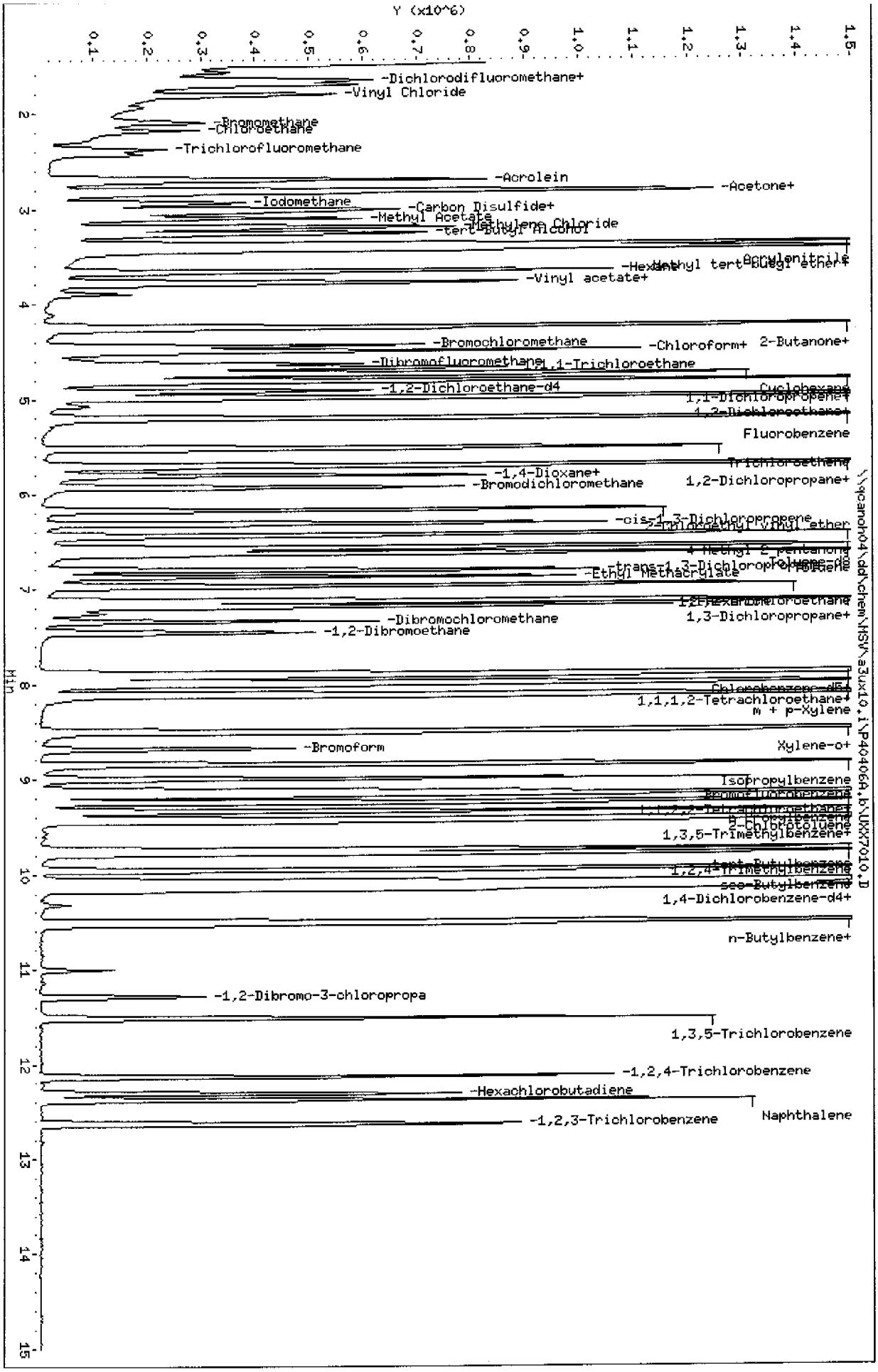
Data File: \\qcanoh04\dd\chem\[illegible]
Report Date: 04/08/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX7010.D
Analysis Type: WATER

Injection Date: 06-APR-2004 18:12
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	50.8291	1.7	20.0
127 Cyclohexane	50.0000	56.1082	12.2	50.0
128 Isopropylbenzene	50.0000	51.1963	2.4	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
133 Bromochloromethane	50.0000	50.8585	1.7	50.0
141 1,3,5-Trichlorobenzene	50.0000	50.0634	0.1	50.0
143 Methyl Acetate	100.0000	93.7284	6.3	50.0
144 Methylcyclohexane	50.0000	57.2836	14.6	50.0
22 Toluene-d8	50.0000	51.5625	3.1	50.0
32 Bromofluorobenzene	50.0000	50.8693	1.7	50.0
47 1,2-Dichloroethane-d4	50.0000	47.4792	5.0	50.0
131 Dibromofluoromethane	50.0000	52.9372	5.9	50.0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Date : 06-APR-2004 18:12
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile
-Methyl tert-Butyl ether+
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane
1,1-Trichloroethane
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
2-Chloroethyl vinyl ether
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
-Ethyl Methacrylate
1,2-Dichloroethane
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
Naphthalene
-1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7010.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7010.D
Lab Smp Id: 50NG-CC
Inj Date : 06-APR-2004 18:12
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-CC
Misc Info : P40406A,8260LLUX10,2-8260.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 10:07 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.205	5.205	(1.000)	2016291	50.0000	
* 2 Chlorobenzene-d5	117	7.879	7.879	(1.000)	1371918	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	(1.000)	669799	50.0000	
$ 4 Dibromofluoromethane	113	4.625	4.625	(0.889)	393565	50.0000	52.937
$ 5 1,2-Dichloroethane-d4	65	4.909	4.909	(0.943)	452978	50.0000	47.479
$ 6 Toluene-d8	98	6.566	6.566	(0.833)	1511491	50.0000	51.562
$ 7 Bromofluorobenzene	95	8.992	8.992	(1.141)	512043	50.0000	50.869
8 Dichlorodifluoromethane	85	1.561	1.561	(0.300)	206365	50.0000	36.279
9 Chloromethane	50	1.702	1.702	(0.327)	382316	50.0000	44.371
10 Vinyl Chloride	62	1.797	1.797	(0.345)	415206	50.0000	48.842
11 Bromomethane	94	2.093	2.093	(0.402)	178770	50.0000	47.358
12 Chloroethane	64	2.176	2.176	(0.418)	224667	50.0000	40.493
13 Trichlorofluoromethane	101	2.377	2.377	(0.457)	264071	50.0000	30.462
15 Acrolein	56	2.696	2.696	(0.518)	798546	500.000	436.06
16 Acetone	43	2.815	2.815	(0.541)	387473	100.000	54.533
17 1,1-Dichloroethene	96	2.803	2.803	(0.539)	400020	50.0000	50.312
18 Freon-113	151	2.827	2.827	(0.543)	283042	50.0000	50.675

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.D\UXX7010.D
Report Date: 08-Apr-2004 10:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.933	2.933	(0.564)	597342	50.0000	55.365
	20 Carbon Disulfide	76	3.004	3.004	(0.577)	1241473	50.0000	54.640
	21 Methylene Chloride	84	3.193	3.193	(0.614)	440099	50.0000	50.624
	22 Acetonitrile	41	3.040	3.040	(0.584)	529623	500.000	429.34
	23 Acrylonitrile	53	3.371	3.371	(0.648)	2028933	500.000	452.49
	24 Methyl tert-butyl ether	73	3.418	3.418	(0.657)	1375352	50.0000	57.520
	25 trans-1,2-Dichloroethene	96	3.430	3.430	(0.659)	451477	50.0000	50.561
	26 Hexane	86	3.655	3.655	(0.702)	104788	50.0000	50.829
	27 Vinyl acetate	43	3.785	3.785	(0.727)	785917	50.0000	50.015
	28 1,1-Dichloroethane	63	3.773	3.773	(0.725)	735280	50.0000	51.157
	29 tert-Butyl Alcohol	59	3.253	3.253	(0.625)	936766	1000.00	827.94
	30 2-Butanone	43	4.235	4.235	(0.814)	530729	100.000	65.028
M	31 1,2-Dichloroethene (total)	96				920307	100.000	101.34
	32 cis-1,2-dichloroethene	96	4.247	4.247	(0.816)	468830	50.0000	50.783
	33 2,2-Dichloropropane	77	4.247	4.247	(0.816)	401827	50.0000	51.500
	34 Bromochloromethane	128	4.436	4.436	(0.852)	229039	50.0000	50.858
	35 Chloroform	83	4.495	4.495	(0.864)	751118	50.0000	50.845
	36 Tetrahydrofuran	42	4.483	4.483	(0.861)	168693	50.0000	44.881
	37 1,1,1-Trichloroethane	97	4.673	4.673	(0.898)	559931	50.0000	49.012
	38 1,1-Dichloropropene	75	4.803	4.803	(0.923)	598383	50.0000	52.552
	39 Carbon Tetrachloride	117	4.815	4.815	(0.925)	529885	50.0000	52.839
	40 1,2-Dichloroethane	62	4.980	4.980	(0.957)	604105	50.0000	52.285
	41 Benzene	78	4.980	4.980	(0.957)	1776392	50.0000	49.494
	42 Trichloroethene	130	5.513	5.513	(1.059)	482981	50.0000	46.464
	43 1,2-Dichloropropane	63	5.702	5.702	(1.095)	411726	50.0000	51.120
	44 1,4-Dioxane	88	5.808	5.808	(1.116)	189738	2500.00	1980.5(A)
	45 Dibromomethane	93	5.808	5.808	(1.116)	266979	50.0000	49.650
	46 Bromodichloromethane	83	5.927	5.927	(1.139)	517207	50.0000	49.358
	47 2-Chloroethyl vinyl ether	63	6.175	6.175	(1.186)	548913	100.000	95.195
	48 cis-1,3-Dichloropropene	75	6.317	6.317	(1.214)	642026	50.0000	51.611
	49 4-Methyl-2-pentanone	43	6.436	6.436	(1.236)	1109653	100.000	94.771
	50 Toluene	91	6.625	6.625	(0.841)	1807844	50.0000	49.887
	51 trans-1,3-Dichloropropene	75	6.802	6.802	(0.863)	562109	50.0000	51.974
	52 Ethyl Methacrylate	69	6.873	6.873	(0.872)	582031	50.0000	52.338
	53 1,1,2-Trichloroethane	97	6.968	6.968	(0.884)	384075	50.0000	50.344
	54 1,3-Dichloropropane	76	7.122	7.122	(0.904)	672989	50.0000	49.911
	55 Tetrachloroethene	164	7.134	7.134	(0.905)	367510	50.0000	52.892
	56 2-Hexanone	43	7.181	7.181	(0.911)	829186	100.000	86.353
	57 Dibromochloromethane	129	7.335	7.335	(0.931)	388290	50.0000	52.124
	58 1,2-Dibromoethane	107	7.453	7.453	(0.946)	404259	50.0000	49.515
	59 Chlorobenzene	112	7.915	7.915	(1.004)	1164163	50.0000	49.426
	60 1,1,1,2-Tetrachloroethane	131	7.974	7.974	(1.012)	409359	50.0000	53.660
	61 Ethylbenzene	106	8.009	8.009	(1.017)	637793	50.0000	50.483
	62 m + p-Xylene	106	8.116	8.116	(1.030)	1581601	100.000	102.90
M	63 Xylenes (total)	106				2327092	150.000	154.32
	64 Xylene-o	106	8.495	8.495	(1.078)	745491	50.0000	51.426
	65 Styrene	104	8.506	8.506	(1.080)	1245956	50.0000	51.857

Data File: \\qcanon04\dd\chem\MSV\a3ux10.1\P40406A.D\UXX7010.D
Report Date: 08-Apr-2004 10:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.684	8.684	(1.102)	257977	50.0000	49.377
67 Isopropylbenzene	105	8.850	8.850	(1.123)	1780393	50.0000	51.196
68 1,1,2,2-Tetrachloroethane	83	9.110	9.110	(0.900)	503546	50.0000	50.548
69 1,4-Dichloro-2-butene	53	9.169	9.169	(0.905)	113240	50.0000	36.125
70 1,2,3-Trichloropropane	110	9.169	9.169	(0.905)	190527	50.0000	45.457
71 Bromobenzene	156	9.145	9.145	(0.903)	467416	50.0000	47.703
72 n-Propylbenzene	120	9.240	9.240	(0.912)	554686	50.0000	52.508
73 2-Chlorotoluene	126	9.335	9.335	(0.922)	457654	50.0000	48.715
74 1,3,5-Trimethylbenzene	105	9.417	9.417	(0.930)	1475938	50.0000	49.385
75 4-Chlorotoluene	126	9.441	9.441	(0.932)	478877	50.0000	50.282
76 tert-Butylbenzene	119	9.737	9.737	(0.961)	1324903	50.0000	51.637
77 1,2,4-Trimethylbenzene	105	9.784	9.784	(0.966)	1470084	50.0000	48.409
78 sec-Butylbenzene	105	9.950	9.950	(0.982)	1808661	50.0000	48.663
79 4-Isopropyltoluene	119	10.092	10.092	(0.996)	1497416	50.0000	50.942
80 1,3-Dichlorobenzene	146	10.068	10.068	(0.994)	838002	50.0000	47.757
81 1,4-Dichlorobenzene	146	10.151	10.151	(1.002)	884121	50.0000	47.815
82 n-Butylbenzene	91	10.494	10.494	(1.036)	1243641	50.0000	48.007
83 1,2-Dichlorobenzene	146	10.530	10.530	(1.040)	786797	50.0000	47.550
84 1,2-Dibromo-3-chloropropane	157	11.287	11.287	(1.114)	105305	50.0000	45.891
85 1,2,4-Trichlorobenzene	180	12.127	12.127	(1.197)	432372	50.0000	50.950
86 Hexachlorobutadiene	225	12.305	12.305	(1.215)	181752	50.0000	50.238
87 Naphthalene	128	12.376	12.376	(1.222)	1280683	50.0000	52.383
88 1,2,3-Trichlorobenzene	180	12.636	12.636	(1.248)	395144	50.0000	51.518
98 Cyclohexane	56	4.732	4.732	(0.909)	701553	50.0000	56.108
143 Methyl Acetate	43	3.099	3.099	(0.595)	859903	100.000	93.728
144 Methylcyclohexane	83	5.702	5.702	(1.095)	779191	50.0000	57.284
141 1,3,5-Trichlorobenzene	180	11.512	11.512	(1.137)	510743	50.0000	50.063

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7011.D
Report Date: 08-Apr-2004 10:06

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 06-APR-2004 18:35
Lab File ID: UXX7011.D Init. Cal. Date(s): 14-JAN-2004 23-MAR-2004
Analysis Type: WATER Init. Cal. Times: 15:04 11:59
Lab Sample ID: 50NG-A9CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
14 Dichlorofluoromethane	0.24874	0.12844	0.010	-48.4	50.0
89 Ethyl Ether	0.18851	0.18028	0.010	-4.4	50.0
91 3-Chloropropene	0.09812	0.10480	0.010	6.8	50.0
92 Isopropyl Ether	0.18514	0.18969	0.010	2.5	50.0
93 2-Chloro-1,3-butadiene	0.29687	0.29568	0.010	-0.4	50.0
94 Propionitrile	0.04375	0.03682	0.010	-15.8	50.0
95 Ethyl Acetate	0.29322	0.23075	0.010	-21.3	50.0
96 Methacrylonitrile	0.17746	0.14873	0.010	-16.2	50.0
97 Isobutanol	0.01657	0.01307	0.010	-21.1	50.0
99 n-Butanol	1000	789	0.010	21.1	50.0
100 Methyl Methacrylate	0.21382	0.17232	0.010	-19.4	50.0
101 2-Nitropropane	100	101	0.010	-1.0	50.0
103 Cyclohexanone	0.03392	0.02132	0.010	-37.1	50.0
146 2-Methylnaphthalene	0.96583	0.91226	0.010	-5.5	50.0

Report Date: 04/08/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX7011.D
Analysis Type: WATER

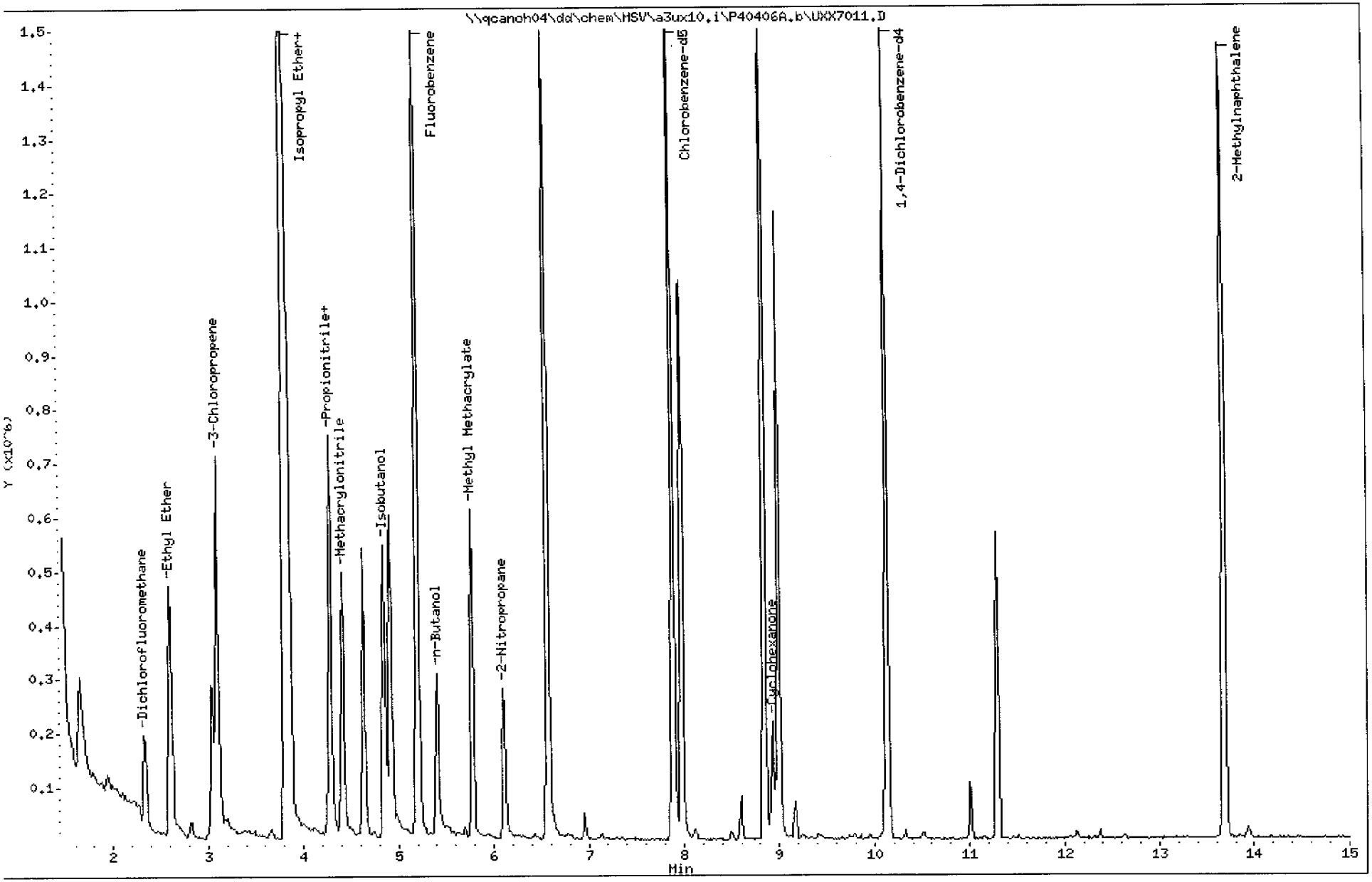
Injection Date: 06-APR-2004 18:35
Lab Sample ID: 50NG-A9CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
53 3-Chloropropene	50.0000	53.4052	6.8	50.0
54 2-Chloro-1,3-butadiene	50.0000	49.7986	0.4	50.0
55 Propionitrile	100.0000	84.1551	15.8	50.0
56 Methacrylonitrile	50.0000	41.9068	16.2	50.0
57 Isobutanol	1000.0000	788.6544	21.1	50.0
58 Methyl Methacrylate	50.0000	40.2961	19.4	50.0
73 n-Butanol	1000.0000	788.6545	21.1	50.0
74 Ethyl Acetate	100.0000	78.6957	21.3	50.0
75 Cyclohexanone	500.0000	314.2569	37.1	50.0
76 Ethyl Ether	50.0000	47.8158	4.4	50.0
85 Dichlorofluoromethane	50.0000	25.8186	48.4	50.0
86 2-Nitropropane	100.0000	101.0137	1.0	50.0
126 Isopropyl Ether	250.0000	256.1431	2.5	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	100.0000	94.4529	5.5	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7011.D
Date : 06-APR-2004 18:35
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7011.D
Report Date: 08-Apr-2004 10:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7011.D
Lab Smp Id: 50NG-A9CC
Inj Date : 06-APR-2004 18:35
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-A9CC
Misc Info : P40406A,8260LLUX10,7-IX+.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 10:06 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.203	5.203	(1.000)	1869171	50.0000	
* 2 Chlorobenzene-d5	117	7.889	7.889	(1.000)	1227998	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.125	10.125	(1.000)	590525	50.0000	
14 Dichlorofluoromethane	67	2.328	2.328	(0.447)	240082	50.0000	25.818
89 Ethyl Ether	59	2.600	2.600	(0.500)	336968	50.0000	47.816
91 3-Chloropropene	76	3.097	3.097	(0.595)	195891	50.0000	53.405
92 Isopropyl Ether	87	3.819	3.819	(0.734)	1772797	250.000	256.14(A)
93 2-Chloro-1,3-butadiene	53	3.854	3.854	(0.741)	552670	50.0000	49.799
94 Propionitrile	54	4.268	4.268	(0.820)	137645	100.000	84.155
95 Ethyl Acetate	43	4.280	4.280	(0.823)	862614	100.000	78.696
96 Methacrylonitrile	41	4.410	4.410	(0.848)	278009	50.0000	41.907
97 Isobutanol	41	4.848	4.848	(0.615)	321023	1000.00	788.65(A)
99 n-Butanol	56	5.404	5.404	(0.685)	255870	1000.00	788.65(A)
100 Methyl Methacrylate	41	5.771	5.771	(1.109)	322103	50.0000	40.296
101 2-Nitropropane	41	6.102	6.102	(1.173)	202329	100.000	101.01
103 Cyclohexanone	55	8.930	8.930	(0.882)	125884	500.000	314.26(A)
146 2-Methylnaphthalene	142	13.675	13.675	(1.351)	1077419	100.000	94.453

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40406A.D\UXX7011.D
Report Date: 08-Apr-2004 10:06

QC Flag Legend

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

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Start Cal Date: 02-MAR-2004 09:22
End Cal Date : 05-MAR-2004 10:45
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
02-MAR-2004 22:08	3-IX	UXJ18636.D
05-MAR-2004 08:40	2-8260	UXJ18702.D
Cal Level: 2 , Cal Amount: 10.000		
02-MAR-2004 22:31	3-IX	UXJ18637.D
05-MAR-2004 09:12	2-8260	UXJ18703.D
Cal Level: 3 , Cal Amount: 25.000		
02-MAR-2004 22:55	3-IX	UXJ18638.D
05-MAR-2004 09:35	2-8260	UXJ18704.D
Cal Level: 4 , Cal Amount: 50.000		
02-MAR-2004 23:18	3-IX	UXJ18639.D
05-MAR-2004 09:58	2-8260	UXJ18705.D
Cal Level: 5 , Cal Amount: 100.00		
02-MAR-2004 23:42	3-IX	UXJ18640.D
05-MAR-2004 10:21	2-8260	UXJ18706.D
Cal Level: 6 , Cal Amount: 200.00		
03-MAR-2004 00:05	3-IX	UXJ18641.D
05-MAR-2004 10:45	2-8260	UXJ18707.D

Continuing Calibration

05-MAR-2004 09:58	2-8260	UXJ18705.D

Report Date : 05-Mar-2004 10:58

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 02-MAR-2004 09:22
End Cal Date : 05-MAR-2004 10:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Cal Date : 05-Mar-2004 10:54 tapsvc
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18636.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18637.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18638.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18639.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18640.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18641.D

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
	8 Dichlorodifluoromethane	0.08415	0.07419	0.08010	0.08011	0.07659	0.07449	0.07827	4.949
	9 Chloromethane	0.23135	0.20324	0.20106	0.16298	0.17487	0.15377	0.18788	15.522
	10 Vinyl Chloride	0.20986	0.18381	0.18804	0.17043	0.17100	0.14987	0.17884	11.302
	11 Bromomethane	0.11328	0.11862	0.10794	0.12071	0.14828	0.16037	0.12820	16.433
	12 Chloroethane	0.12780	0.12358	0.12077	0.12823	0.14424	0.15765	0.13371	10.676
	13 Trichlorofluoromethane	0.28399	0.25552	0.26483	0.27089	0.30399	0.33243	0.28527	10.021
	14 Dichlorofluoromethane	0.26146	0.28177	0.26279	0.28704	0.28563	0.30738	0.28101	6.097
	15 Acrolein	0.03057	0.02963	0.03158	0.03238	0.03568	0.03841	0.03304	10.143
	16 Acetone	0.12819	0.14625	0.14663	0.13519	0.16014	0.16425	0.14677	9.459
	17 1,1-Dichloroethene	0.17857	0.16561	0.16561	0.18519	0.17527	0.21009	0.18006	9.196
	18 Freon-113	0.08149	0.08891	0.07838	0.08737	0.09157	0.10257	0.08838	9.603
	19 Iodomethane	0.25932	0.22334	0.23102	0.24863	0.22732	0.25546	0.24085	6.436
	20 Carbon Disulfide	0.62322	0.57730	0.53373	0.59530	0.54790	0.61606	0.58225	6.216
	21 Methylene Chloride	0.26771	0.20518	0.20595	0.21258	0.20789	0.22377	0.22051	10.935
	22 Acetonitrile	0.02912	0.02615	0.02623	0.02694	0.02957	0.02904	0.02784	5.648
	23 Acrylonitrile	0.08746	0.08339	0.09754	0.09537	0.10711	0.10841	0.09655	10.463
	24 Methyl tert-butyl ether	0.68265	0.65627	0.75301	0.77356	0.78953	0.78968	0.74078	7.758
	25 trans-1,2-Dichloroethene	0.23513	0.23144	0.24942	0.26906	0.28281	0.29572	0.26060	10.039
	26 Hexane	0.04906	0.04822	0.04964	0.05469	0.06238	0.06552	0.05492	13.509
	27 Vinyl acetate	0.43249	0.40256	0.47875	0.49880	0.58224	0.61341	0.50137	16.476
	28 1,1-Dichloroethane	0.46035	0.42662	0.45337	0.48068	0.52243	0.55089	0.48239	9.606
	29 tert-Butyl Alcohol	0.01142	0.01151	0.01277	0.01267	0.01671	0.01563	0.01345	16.394
	30 2-Butanone	0.14704	0.16111	0.17948	0.16410	0.20459	0.19411	0.17507	12.394
M	31 1,2-Dichloroethene (total)	0.23802	0.24134	0.25308	0.26999	0.28503	0.29763	0.26418	9.142
	32 cis-1,2-dichloroethene	0.24090	0.25123	0.25674	0.27093	0.28726	0.29953	0.26776	8.377

Report Date : 05-Mar-2004 10:58

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 02-MAR-2004 09:22
End Cal Date : 05-MAR-2004 10:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Cal Date : 05-Mar-2004 10:54 tapsvc
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	33 2,2-Dichloropropane	0.22342	0.19968	0.23280	0.26018	0.27806	0.30252	0.24944	15.195	
	34 Bromochloromethane	0.12942	0.11561	0.11559	0.12220	0.12750	0.12941	0.12329	5.285	
	35 Chloroform	0.44789	0.42303	0.43767	0.45730	0.48034	0.50438	0.45844	6.462	
	36 Tetrahydrofuran	0.13822	0.10607	0.08590	0.07642	0.08917	0.08292	0.09645	23.578	
	37 1,1,1-Trichloroethane	0.30644	0.31551	0.30891	0.34922	0.36321	0.38083	0.33735	9.318	
	38 1,1-Dichloropropene	0.34011	0.33448	0.33663	0.37691	0.39004	0.41663	0.36580	9.300	
	39 Carbon Tetrachloride	0.22372	0.22638	0.23181	0.26588	0.28126	0.31194	0.25683	13.893	
	40 1,2-Dichloroethane	0.39140	0.38868	0.42068	0.43263	0.44917	0.45353	0.42268	6.599	
	41 Benzene	1.16304	1.10854	1.09406	1.13156	1.16626	1.17907	1.14042	3.017	
	42 Trichloroethene	0.26683	0.26140	0.25296	0.26272	0.26556	0.27415	0.26394	2.645	
	43 1,2-Dichloropropane	0.30113	0.28347	0.28292	0.29508	0.29917	0.30881	0.29510	3.470	
	44 1,4-Dioxane	0.00204	0.00182	0.00198	0.00196	0.00211	0.00201	0.00199	4.854	<-
	45 Dibromomethane	0.16133	0.15162	0.15008	0.15348	0.15999	0.16343	0.15665	3.582	
	46 Bromodichloromethane	0.33000	0.30784	0.31658	0.34291	0.35111	0.35490	0.33389	5.703	
	47 2-Chloroethyl vinyl ether	0.12873	0.12170	0.14126	0.14439	0.15743	0.16318	0.14278	11.196	
	48 cis-1,3-Dichloropropene	0.40899	0.37515	0.40011	0.42745	0.43465	0.45770	0.41734	6.926	
	49 4-Methyl-2-pentanone	0.23990	0.24776	0.28002	0.26480	0.32547	0.29519	0.27552	11.542	
	50 Toluene	1.96697	1.82827	1.83814	1.93823	1.90890	2.08977	1.92838	4.984	
	51 trans-1,3-Dichloropropene	0.54433	0.52282	0.55208	0.59703	0.62788	0.68952	0.58894	10.581	
	52 Ethyl Methacrylate	0.39783	0.45157	0.47622	0.52988	0.58092	0.59784	0.50571	15.360	
	53 1,1,2-Trichloroethane	0.33473	0.34540	0.34184	0.33339	0.34115	0.34549	0.34033	1.525	
	54 1,3-Dichloropropane	0.65933	0.60632	0.63917	0.67471	0.70055	0.72871	0.66813	6.525	
	55 Tetrachloroethene	0.28197	0.27310	0.27430	0.28992	0.29338	0.31783	0.28842	5.733	
	56 2-Hexanone	0.24330	0.30994	0.35385	0.32708	0.41039	0.38268	0.33787	17.440	
	57 Dibromochloromethane	0.30007	0.32398	0.31152	0.31871	0.32573	0.34204	0.32034	4.425	
	58 1,2-Dibromoethane	0.31105	0.31364	0.30644	0.31775	0.32657	0.32448	0.31665	2.469	
	59 Chlorobenzene	1.06477	0.98570	0.98936	1.00317	0.98399	0.98670	1.00228	3.131	
	60 1,1,1,2-Tetrachloroethane	0.29910	0.29088	0.29819	0.30961	0.31216	0.32740	0.30622	4.248	
	61 Ethylbenzene	0.50685	0.53947	0.50135	0.53937	0.54705	0.54784	0.53032	3.903	
	62 m + p-Xylene	0.62235	0.58875	0.61644	0.64924	0.67735	0.68079	0.63915	5.698	
M	63 Xylenes (total)	0.60455	0.57850	0.59454	0.61868	0.64548	0.65032	0.61535	4.625	
	64 Xylene-o	0.56896	0.55798	0.55075	0.55755	0.58176	0.58937	0.56773	2.676	
	65 Styrene	0.85708	0.91841	0.93421	0.96438	1.01521	1.02365	0.95216	6.598	

Report Date : 05-Mar-2004 10:58

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 02-MAR-2004 09:22
End Cal Date : 05-MAR-2004 10:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Cal Date : 05-Mar-2004 10:54 tapsvc
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
66 Bromoform	0.12904	0.11548	0.13211	0.13606	0.14752	0.15041	0.13510	9.482	
67 Isopropylbenzene	1.08263	1.12303	1.10616	1.16571	1.21568	1.23469	1.15465	5.310	
68 1,1,2,2-Tetrachloroethane	0.77546	0.81075	0.80552	0.76192	0.85604	0.75816	0.79464	4.681	
69 1,4-Dichloro-2-butene	0.13584	0.15508	0.14657	0.14812	0.19978	0.18691	0.16205	15.638	
70 1,2,3-Trichloropropane	0.28042	0.28645	0.27306	0.24481	0.27545	0.23098	0.26520	8.324	
71 Bromobenzene	0.87623	0.86009	0.85523	0.81749	0.84913	0.76437	0.83709	4.840	
72 n-Propylbenzene	0.88279	0.91563	0.88354	0.83123	0.86488	0.82944	0.86792	3.848	
73 2-Chlorotoluene	0.72571	0.83878	0.80464	0.74269	0.75990	0.70520	0.76282	6.588	
74 1,3,5-Trimethylbenzene	2.25679	2.27161	2.34241	2.43368	2.47874	2.48868	2.37865	4.319	
75 4-Chlorotoluene	0.80857	0.77295	0.82609	0.78880	0.81088	0.76074	0.79467	3.134	
76 tert-Butylbenzene	2.00399	1.88154	1.95504	1.94481	1.97115	1.98708	1.95727	2.187	
77 1,2,4-Trimethylbenzene	2.55984	2.31849	2.44652	2.49584	2.58301	2.63068	2.50573	4.486	
78 sec-Butylbenzene	2.63555	2.76439	2.72360	2.75703	2.78132	2.89999	2.76031	3.112	
79 4-Isopropyltoluene	2.10724	2.29651	2.23300	2.29285	2.34172	2.43992	2.28521	4.862	
80 1,3-Dichlorobenzene	1.48373	1.40017	1.40937	1.37070	1.36685	1.41270	1.40725	2.998	
81 1,4-Dichlorobenzene	1.67721	1.56529	1.55103	1.45594	1.47310	1.45284	1.52923	5.703	
82 n-Butylbenzene	2.10724	2.20529	2.13951	2.32669	2.37524	2.51299	2.27783	6.820	
83 1,2-Dichlorobenzene	1.50042	1.38660	1.50051	1.41794	1.40815	1.42879	1.44040	3.371	
84 1,2-Dibromo-3-chloropropane	0.16046	0.14132	0.15177	0.14719	0.15380	0.13697	0.14859	5.774	
85 1,2,4-Trichlorobenzene	0.96431	0.91217	0.87092	0.86621	0.87064	0.82913	0.88556	5.274	
86 Hexachlorobutadiene	0.29879	0.31147	0.30923	0.29610	0.31891	0.29714	0.30527	3.045	
87 Naphthalene	2.51181	2.62218	2.49552	2.44817	2.61673	2.35292	2.50789	4.092	
88 1,2,3-Trichlorobenzene	0.85051	0.85352	0.78290	0.75602	0.81505	0.72465	0.79711	6.518	
89 Ethyl Ether	0.24986	0.23577	0.23416	0.24250	0.24382	0.24223	0.24139	2.369	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.12350	0.11325	0.11521	0.12743	0.13285	0.13110	0.12389	6.593	
92 Isopropyl Ether	0.23693	0.22728	0.23012	0.24693	0.25954	0.27918	0.24666	8.040	
93 2-Chloro-1,3-butadiene	0.39149	0.39835	0.43592	0.46589	0.49006	0.49237	0.44568	9.948	
94 Propionitrile	0.03643	0.03041	0.03339	0.03199	0.03311	0.03223	0.03293	6.104	
95 Ethyl Acetate	0.27307	0.22711	0.24773	0.24517	0.26080	0.25381	0.25128	6.181	
96 Methacrylonitrile	0.17769	0.18356	0.17947	0.17997	0.18148	0.17845	0.18010	1.185	
97 Isobutanol	0.00786	0.00684	0.00698	0.00745	0.00876	0.00912	0.00783	11.926	<-
98 Cyclohexane	0.33794	0.36280	0.35601	0.39843	0.42147	0.45017	0.38780	11.096	

Report Date : 05-Mar-2004 10:58

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 02-MAR-2004 09:22
End Cal Date : 05-MAR-2004 10:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Cal Date : 05-Mar-2004 10:54 tapsvc
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
99 n-Butanol	0.00368	0.00327	0.00403	0.00422	0.00506	0.00540	0.00428	19.026	<-
100 Methyl Methacrylate	0.25368	0.21985	0.23348	0.24860	0.25936	0.26129	0.24604	6.601	
101 2-Nitropropane	0.05806	0.04391	0.04972	0.05008	0.05899	0.05868	0.05324	11.739	
102 Chloropicrin	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
103 Cyclohexanone	0.03190	0.02954	0.03029	0.03052	0.03437	++++++	0.03132	6.076	
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	1.07086	1.02083	0.94997	0.93135	0.91237	0.90389	0.96488	6.904	
143 Methyl Acetate	0.18557	0.18281	0.17953	0.18161	0.21648	0.21596	0.19366	9.079	
144 Methylcyclohexane	0.30127	0.33349	0.32512	0.36495	0.38218	0.40627	0.35221	11.115	
145 Dimethoxymethane	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
146 2-Methylnaphthalene	0.96961	0.89848	1.05067	1.14690	1.23004	1.29738	1.09885	13.987	
$ 4 Dibromofluoromethane	0.21970	0.20445	0.21056	0.22297	0.22840	0.23729	0.22056	5.392	
$ 5 1,2-Dichloroethane-d4	0.31356	0.30202	0.29140	0.32392	0.33290	0.33495	0.31646	5.497	
$ 6 Toluene-d8	1.46478	1.44699	1.41799	1.50808	1.48966	1.62550	1.49217	4.863	
$ 7 Bromofluorobenzene	0.34065	0.33817	0.33527	0.33863	0.35022	0.37545	0.34640	4.365	

:port Date : 05-Mar-2004 11:05

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 02-MAR-2004 09:22
ıd Cal Date : 05-MAR-2004 10:45
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
ıl Date : 05-Mar-2004 10:58 evansl

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18636.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18637.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18638.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18639.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18640.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B.b\UXJ18641.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	0.08415	0.07419	0.08010	0.08011	0.07659	0.07449	AVRG		0.07827		4.94893
9 Chloromethane	0.23135	0.20324	0.20106	0.16298	0.17487	+++++	AVRG		0.19470		13.72497
10 Vinyl Chloride	0.20986	0.18381	0.18804	0.17043	0.17100	0.14987	AVRG		0.17884		11.30237
11 Bromomethane	18136	37285	88662	208743	540377	1277687	QUAD	0.06592	7.23922	-1.74730	0.99849
12 Chloroethane	0.12780	0.12358	0.12077	0.12823	0.14424	0.15765	AVRG		0.13371		10.67632
13 Trichlorofluoromethane	0.28399	0.25552	0.26483	0.27089	0.30399	0.33243	AVRG		0.28527		10.02067
14 Dichlorofluoromethane	0.26146	0.28177	0.26279	0.28704	0.28563	0.30738	AVRG		0.28101		6.09746
15 Acrolein	0.03057	0.02963	0.03158	0.03238	0.03568	0.03841	AVRG		0.03304		10.14304
16 Acetone	0.12819	0.14625	0.14663	0.13519	0.16014	0.16425	AVRG		0.14677		9.45926

:port Date : 05-Mar-2004 11:05

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 02-MAR-2004 09:22
ıd Cal Date : 05-MAR-2004 10:45
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
ıl Date : 05-Mar-2004 10:58 evansl

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
17 1,1-Dichloroethene	0.17857	0.16561	0.16561	0.18519	0.17527	0.21009	AVRG		0.18006		9.19590
18 Freon-113	0.08149	0.08891	0.07838	0.08737	0.09157	0.10257	AVRG		0.08838		9.60309
19 Iodomethane	0.25932	0.22334	0.23102	0.24863	0.22732	0.25546	AVRG		0.24085		6.43644
20 Carbon Disulfide	0.62322	0.57730	0.53373	0.59530	0.54790	0.61606	AVRG		0.58225		6.21625
21 Methylene Chloride	0.26771	0.20518	0.20595	0.21258	0.20789	0.22377	AVRG		0.22051		10.93485
22 Acetonitrile	0.02912	0.02615	0.02623	0.02694	0.02957	0.02904	AVRG		0.02784		5.64843
23 Acrylonitrile	0.08746	0.08339	0.09754	0.09537	0.10711	0.10841	AVRG		0.09655		10.46344
24 Methyl tert-butyl ether	0.68265	0.65627	0.75301	0.77356	0.78953	0.78968	AVRG		0.74078		7.75754
25 trans-1,2-Dichloroethene	0.23513	0.23144	0.24942	0.26906	0.28281	0.29572	AVRG		0.26060		10.03873
26 Hexane	0.04906	0.04822	0.04964	0.05469	0.06238	0.06552	AVRG		0.05492		13.50887
27 Vinyl acetate	69242	126538	393266	862552	2121876	4887156	QUAD	0.06043	1.79381	-0.07787	0.99931
28 1,1-Dichloroethane	0.46035	0.42662	0.45337	0.48068	0.52243	0.55089	AVRG		0.48239		9.60643
29 tert-Butyl Alcohol	36577	72386	209741	438366	1218011	2491128	QUAD	2.07195	57.34497	3.68007	0.99617
30 2-Butanone	0.14704	0.16111	0.17948	0.16410	0.20459	0.19411	AVRG		0.17507		12.39410
31 1,2-Dichloroethene (total)	0.23802	0.24134	0.25308	0.26999	0.28503	0.29763	AVRG		0.26418		9.14246
32 cis-1,2-dichloroethene	0.24090	0.25123	0.25674	0.27093	0.28726	0.29953	AVRG		0.26776		8.37709
33 2,2-Dichloropropane	35769	62765	191227	449923	1013355	2410271	QUAD	0.04313	3.76673	-0.41180	0.99987

:port Date : 05-Mar-2004 11:05

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 02-MAR-2004 09:22
ıd Cal Date : 05-MAR-2004 10:45
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
ıl Date : 05-Mar-2004 10:58 evansl

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.12942	0.11561	0.11559	0.12220	0.12750	0.12941	AVRG		0.12329		5.28451	
35 Chloroform	0.44789	0.42303	0.43767	0.45730	0.48034	0.50438	AVRG		0.45844		6.46194	
36 Tetrahydrofuran	22129	33342	70559	132155	324983	660641	QUAD	-0.01091	11.40517	1.91462	0.99755	
37 1,1,1-Trichloroethane	0.30644	0.31551	0.30891	0.34922	0.36321	0.38083	AVRG		0.33735		9.31828	
38 1,1-Dichloropropene	0.34011	0.33448	0.33663	0.37691	0.39004	0.41663	AVRG		0.36580		9.29983	
39 Carbon Tetrachloride	0.22372	0.22638	0.23181	0.26588	0.28126	0.31194	AVRG		0.25683		13.89250	
40 1,2-Dichloroethane	0.39140	0.38868	0.42068	0.43263	0.44917	0.45353	AVRG		0.42268		6.59936	
41 Benzene	1.16304	1.10854	1.09406	1.13156	1.16626	1.17907	AVRG		1.14042		3.01659	
42 Trichloroethene	0.26683	0.26140	0.25296	0.26272	0.26556	0.27415	AVRG		0.26394		2.64515	
43 1,2-Dichloropropane	0.30113	0.28347	0.28292	0.29508	0.29917	0.30881	AVRG		0.29510		3.46995	
44 1,4-Dioxane	0.00204	0.00182	0.00198	0.00196	0.00211	0.00201	AVRG		0.00199		4.85449	<-
45 Dibromomethane	0.16133	0.15162	0.15008	0.15348	0.15999	0.16343	AVRG		0.15665		3.58227	
46 Bromodichloromethane	0.33000	0.30784	0.31658	0.34291	0.35111	0.35490	AVRG		0.33389		5.70286	
47 2-Chloroethyl vinyl ether	0.12873	0.12170	0.14126	0.14439	0.15743	0.16318	AVRG		0.14278		11.19596	
48 cis-1,3-Dichloropropene	0.40899	0.37515	0.40011	0.42745	0.43465	0.45770	AVRG		0.41734		6.92564	
49 4-Methyl-2-pentanone	0.23990	0.24776	0.28002	0.26480	0.32547	0.29519	AVRG		0.27552		11.54200	
50 Toluene	1.96697	1.82827	1.83814	1.93823	1.90890	2.08977	AVRG		1.92838		4.98363	

eport Date : 05-Mar-2004 11:05

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 02-MAR-2004 09:22
id Cal Date : 05-MAR-2004 10:45
iant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
al Date : 05-Mar-2004 10:58 evansl

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
51 trans-1,3-Dichloropropene	0.54433	0.52282	0.55208	0.59703	0.62788	0.68952	AVRG		0.58894		10.58132
52 Ethyl Methacrylate	39787	90064	245066	567343	1370792	2878112	QUAD	0.05552	1.74656	-0.04147	0.99968
53 1,1,2-Trichloroethane	0.33473	0.34540	0.34184	0.33339	0.34115	0.34549	AVRG		0.34033		1.52527
54 1,3-Dichloropropane	0.65933	0.60632	0.63917	0.67471	0.70055	0.72871	AVRG		0.66813		6.52468
55 Tetrachloroethene	0.28197	0.27310	0.27430	0.28992	0.29338	0.31783	AVRG		0.28842		5.73343
56 2-Hexanone	48666	123633	364188	700415	1936768	3684639	QUAD	0.17098	2.31734	0.07435	0.99727
57 Dibromochloromethane	0.30007	0.32398	0.31152	0.31871	0.32573	0.34204	AVRG		0.32034		4.42518
58 1,2-Dibromoethane	0.31105	0.31364	0.30644	0.31775	0.32657	0.32448	AVRG		0.31665		2.46915
59 Chlorobenzene	1.06477	0.98570	0.98936	1.00317	0.98399	0.98670	AVRG		1.00228		3.13130
60 1,1,1,2-Tetrachloroethane	0.29910	0.29088	0.29819	0.30961	0.31216	0.32740	AVRG		0.30622		4.24801
61 Ethylbenzene	0.50685	0.53947	0.50135	0.53937	0.54705	0.54784	AVRG		0.53032		3.90286
62 m + p-Xylene	0.62235	0.58875	0.61644	0.64924	0.67735	0.68079	AVRG		0.63915		5.69839
63 Xylenes (total)	0.60455	0.57850	0.59454	0.61868	0.64548	0.65032	AVRG		0.61535		4.62484
64 Xylene-o	0.56896	0.55798	0.55075	0.55755	0.58176	0.58937	AVRG		0.56773		2.67567
65 Styrene	0.85708	0.91841	0.93421	0.96438	1.01521	1.02365	AVRG		0.95216		6.59815
66 Bromoform	0.12904	0.11548	0.13211	0.13606	0.14752	0.15041	AVRG		0.13510		9.48173
67 Isopropylbenzene	1.08263	1.12303	1.10616	1.16571	1.21568	1.23469	AVRG		1.15465		5.30956

eport Date : 05-Mar-2004 11:05

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INITIAL CALIBRATION DATA

:art Cal Date : 02-MAR-2004 09:22
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ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
ıl Date : 05-Mar-2004 10:58 evansl

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.77546	0.81075	0.80552	0.76192	0.85604	0.75816	AVRG		0.79464		4.68077
69 1,4-Dichloro-2-butene	4369	9887	24638	55974	161138	348254	QUAD	0.10429	4.83089	0.46483	0.99546
70 1,2,3-Trichloropropane	0.28042	0.28645	0.27306	0.24481	0.27545	0.23098	AVRG		0.26520		8.32439
71 Bromobenzene	0.87623	0.86009	0.85523	0.81749	0.84913	0.76437	AVRG		0.83709		4.83989
72 n-Propylbenzene	0.88279	0.91563	0.88354	0.83123	0.86488	0.82944	AVRG		0.86792		3.84820
73 2-Chlorotoluene	0.72571	0.83878	0.80464	0.74269	0.75990	0.70520	AVRG		0.76282		6.58841
74 1,3,5-Trimethylbenzene	2.25679	2.27161	2.34241	2.43368	2.47874	2.48868	AVRG		2.37865		4.31912
75 4-Chlorotoluene	0.80857	0.77295	0.82609	0.78880	0.81088	0.76074	AVRG		0.79467		3.13365
76 tert-Butylbenzene	2.00399	1.88154	1.95504	1.94481	1.97115	1.98708	AVRG		1.95727		2.18670
77 1,2,4-Trimethylbenzene	2.55984	2.31849	2.44652	2.49584	2.58301	2.63068	AVRG		2.50573		4.48597
78 sec-Butylbenzene	2.63555	2.76439	2.72360	2.75703	2.78132	2.89999	AVRG		2.76031		3.11184
79 4-Isopropyltoluene	2.10724	2.29651	2.23300	2.29285	2.34172	2.43992	AVRG		2.28521		4.86165
80 1,3-Dichlorobenzene	1.48373	1.40017	1.40937	1.37070	1.36685	1.41270	AVRG		1.40725		2.99822
81 1,4-Dichlorobenzene	1.67721	1.56529	1.55103	1.45594	1.47310	1.45284	AVRG		1.52923		5.70313
82 n-Butylbenzene	2.10724	2.20529	2.13951	2.32669	2.37524	2.51299	AVRG		2.27783		6.82012
83 1,2-Dichlorobenzene	1.50042	1.38660	1.50051	1.41794	1.40815	1.42879	AVRG		1.44040		3.37125
84 1,2-Dibromo-3-chloropropane	0.16046	0.14132	0.15177	0.14719	0.15380	0.13697	AVRG		0.14859		5.77397

:port Date : 05-Mar-2004 11:05

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INITIAL CALIBRATION DATA

:art Cal Date : 02-MAR-2004 09:22
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ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
ıl Date : 05-Mar-2004 10:58 evansl

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	0.96431	0.91217	0.87092	0.86621	0.87064	0.82913	AVRG		0.88556		5.27371	
86 Hexachlorobutadiene	0.29879	0.31147	0.30923	0.29610	0.31891	0.29714	AVRG		0.30527		3.04529	
87 Naphthalene	2.51181	2.62218	2.49552	2.44817	2.61673	2.35292	AVRG		2.50789		4.09204	
88 1,2,3-Trichlorobenzene	0.85051	0.85352	0.78290	0.75602	0.81505	0.72465	AVRG		0.79711		6.51821	
89 Ethyl Ether	0.24986	0.23577	0.23416	0.24250	0.24382	0.24223	AVRG		0.24139		2.36879	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.12350	0.11325	0.11521	0.12743	0.13285	0.13110	AVRG		0.12389		6.59281	
92 Isopropyl Ether	0.23693	0.22728	0.23012	0.24693	0.25954	0.27918	AVRG		0.24666		8.04033	
93 2-Chloro-1,3-butadiene	0.39149	0.39835	0.43592	0.46589	0.49006	0.49237	AVRG		0.44568		9.94839	
94 Propionitrile	0.03643	0.03041	0.03339	0.03199	0.03311	0.03223	AVRG		0.03293		6.10372	
95 Ethyl Acetate	0.27307	0.22711	0.24773	0.24517	0.26080	0.25381	AVRG		0.25128		6.18072	
96 Methacrylonitrile	0.17769	0.18356	0.17947	0.17997	0.18148	0.17845	AVRG		0.18010		1.18543	
97 Isobutanol	0.00786	0.00684	0.00698	0.00745	0.00876	0.00912	AVRG		0.00783		11.92575	<-
98 Cyclohexane	0.33794	0.36280	0.35601	0.39843	0.42147	0.45017	AVRG		0.38780		11.09578	
99 n-Butanol	7415	12586	38615	84271	201524	468232	QUAD	1.37152	208	-62.33117	0.99907	<-
100 Methyl Methacrylate	0.25368	0.21985	0.23348	0.24860	0.25936	0.26129	AVRG		0.24604		6.60077	
101 2-Nitropropane	0.05806	0.04391	0.04972	0.05008	0.05899	0.05868	AVRG		0.05324		11.73852	

:port Date : 05-Mar-2004 11:05

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ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
ıl Date : 05-Mar-2004 10:58 evansl

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.03190	0.02954	0.03029	0.03052	0.03437	+++++	AVRG		0.03132		6.07648	
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	1.07086	1.02083	0.94997	0.93135	0.91237	0.90389	AVRG		0.96488		6.90377	
143 Methyl Acetate	0.18557	0.18281	0.17953	0.18161	0.21648	0.21596	AVRG		0.19366		9.07934	
144 Methylcyclohexane	0.30127	0.33349	0.32512	0.36495	0.38218	0.40627	AVRG		0.35221		11.11484	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	0.96961	0.89848	1.05067	1.14690	1.23004	1.29738	AVRG		1.09885		13.98676	

:port Date : 05-Mar-2004 11:05

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INITIAL CALIBRATION DATA

:art Cal Date : 02-MAR-2004 09:22
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ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
ıl Date : 05-Mar-2004 10:58 evansl

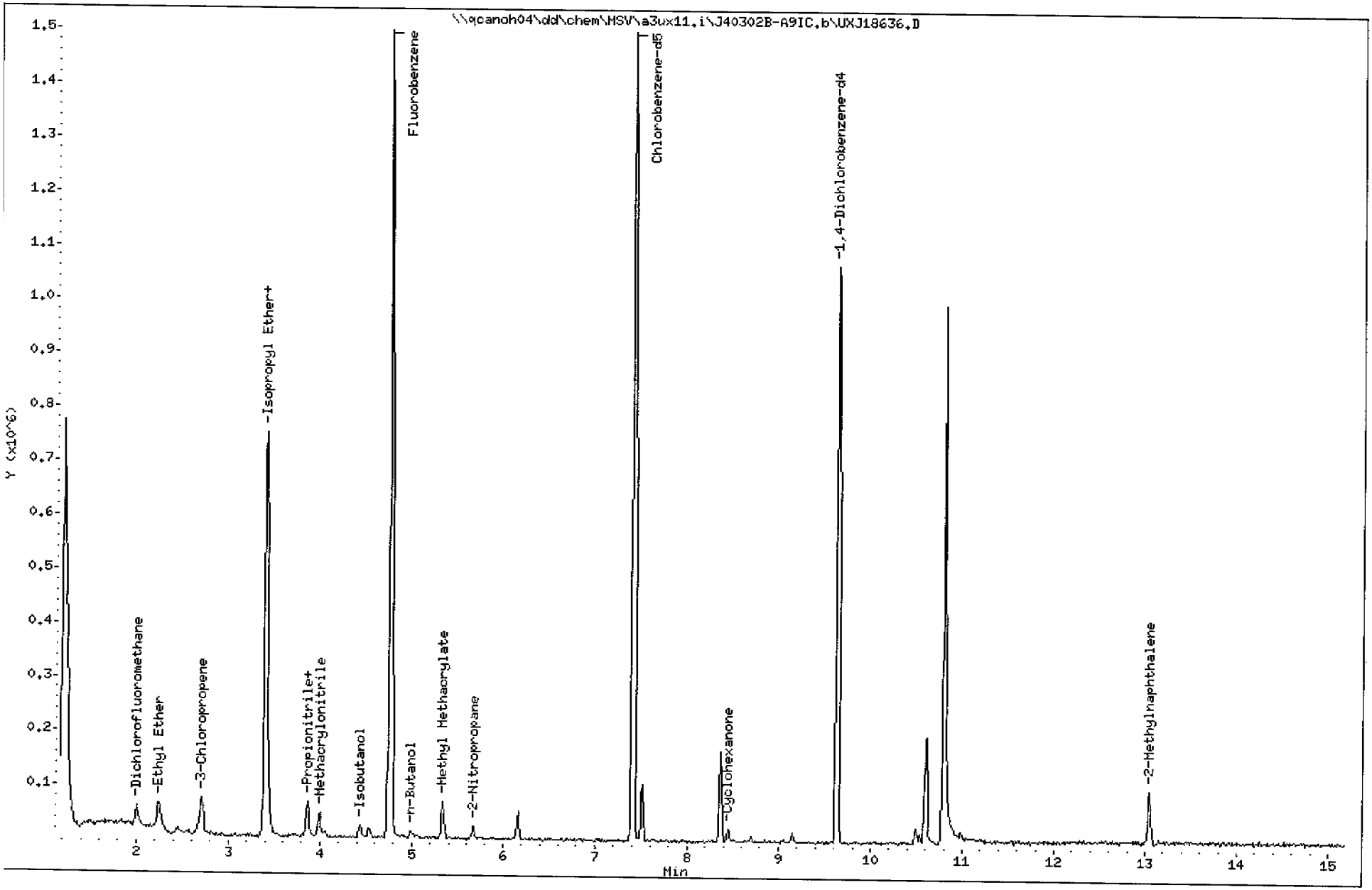
Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
4 Dibromofluoromethane	0.21970	0.20445	0.21056	0.22297	0.22840	0.23729	AVRG		0.22056		5.39233
5 1,2-Dichloroethane-d4	0.31356	0.30202	0.29140	0.32392	0.33290	0.33495	AVRG		0.31646		5.49657
6 Toluene-d8	1.46478	1.44699	1.41799	1.50808	1.48966	1.62550	AVRG		1.49217		4.86332
7 Bromofluorobenzene	0.34065	0.33817	0.33527	0.33863	0.35022	0.37545	AVRG		0.34640		4.36548

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18636.D
Date : 02-MAR-2004 22:08
Client ID:
Sample Info: 5NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: UXJ18636.D
Report Date: 03-Mar-2004 07:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18636.D
Lab Smp Id: 5NG-A9IC
Inj Date : 02-MAR-2004 22:08
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-A9IC
Misc Info : J40302B,8260LLUX11,3-IX.SUB,43582,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\8260LLUX11.m
Meth Date : 03-Mar-2004 07:52 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 33 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

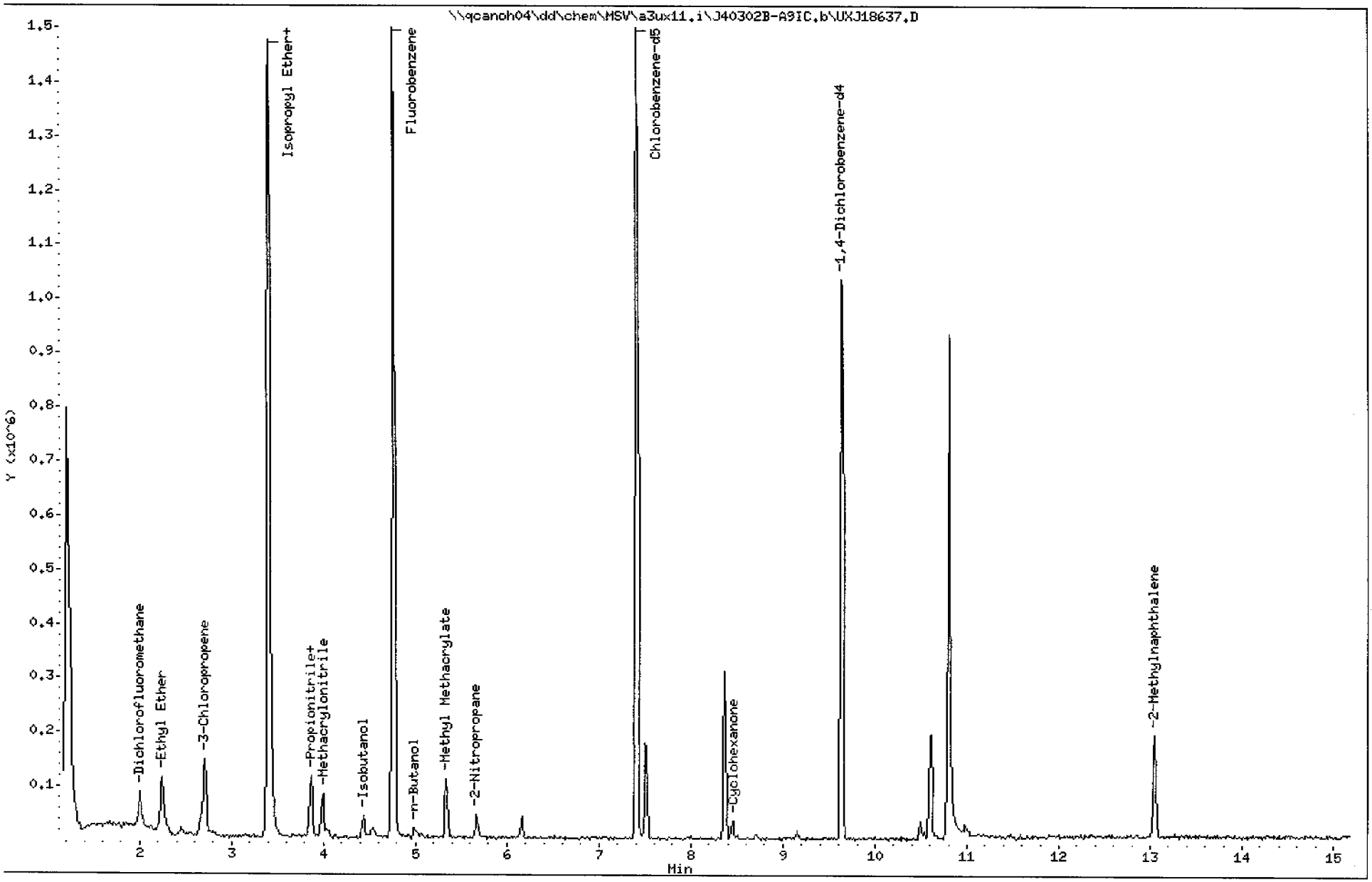
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1514009	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	1008466	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	308971	50.0000	
14 Dichlorofluoromethane	67	1.996	1.996	(0.420)	39586	5.00000	4.652
89 Ethyl Ether	59	2.245	2.245	(0.472)	37829	5.00000	5.175
91 3-Chloropropene	76	2.706	2.706	(0.569)	18698	5.00000	4.984
92 Isopropyl Ether	87	3.404	3.404	(0.716)	179360	25.0000	24.014
93 2-Chloro-1,3-butadiene	53	3.428	3.428	(0.721)	59272	5.00000	4.392
94 Propionitrile	54	3.866	3.866	(0.813)	11031	10.0000	11.064
95 Ethyl Acetate	43	3.866	3.866	(0.813)	82687	10.0000	10.867
96 Methacrylonitrile	41	3.996	3.996	(0.841)	26903	5.00000	4.933
97 Isobutanol	41	4.434	4.434	(0.599)	15857	100.000	100.35
99 n-Butanol	56	4.990	4.990	(0.674)	7415	100.000	145.04
100 Methyl Methacrylate	41	5.333	5.333	(1.122)	38408	5.00000	5.155
101 2-Nitropropane	41	5.664	5.664	(1.192)	17581	10.0000	10.905
103 Cyclohexanone	55	8.445	8.445	(0.876)	9856	50.0000	50.918
146 2-Methylnaphthalene	142	13.048	13.048	(1.353)	59916	10.0000	8.824

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18637.D
Date : 02-MAR-2004 22:31
Client ID:
Sample Info: 10NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: UXJ18637.D
Report Date: 03-Mar-2004 07:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18637.D
Lab Smp Id: 10NG-A9IC
Inj Date : 02-MAR-2004 22:31
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-A9IC
Misc Info : J40302B,8260LLUX11,3-IX.SUB,43582,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\8260LLUX11.m
Meth Date : 03-Mar-2004 07:52 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 34 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

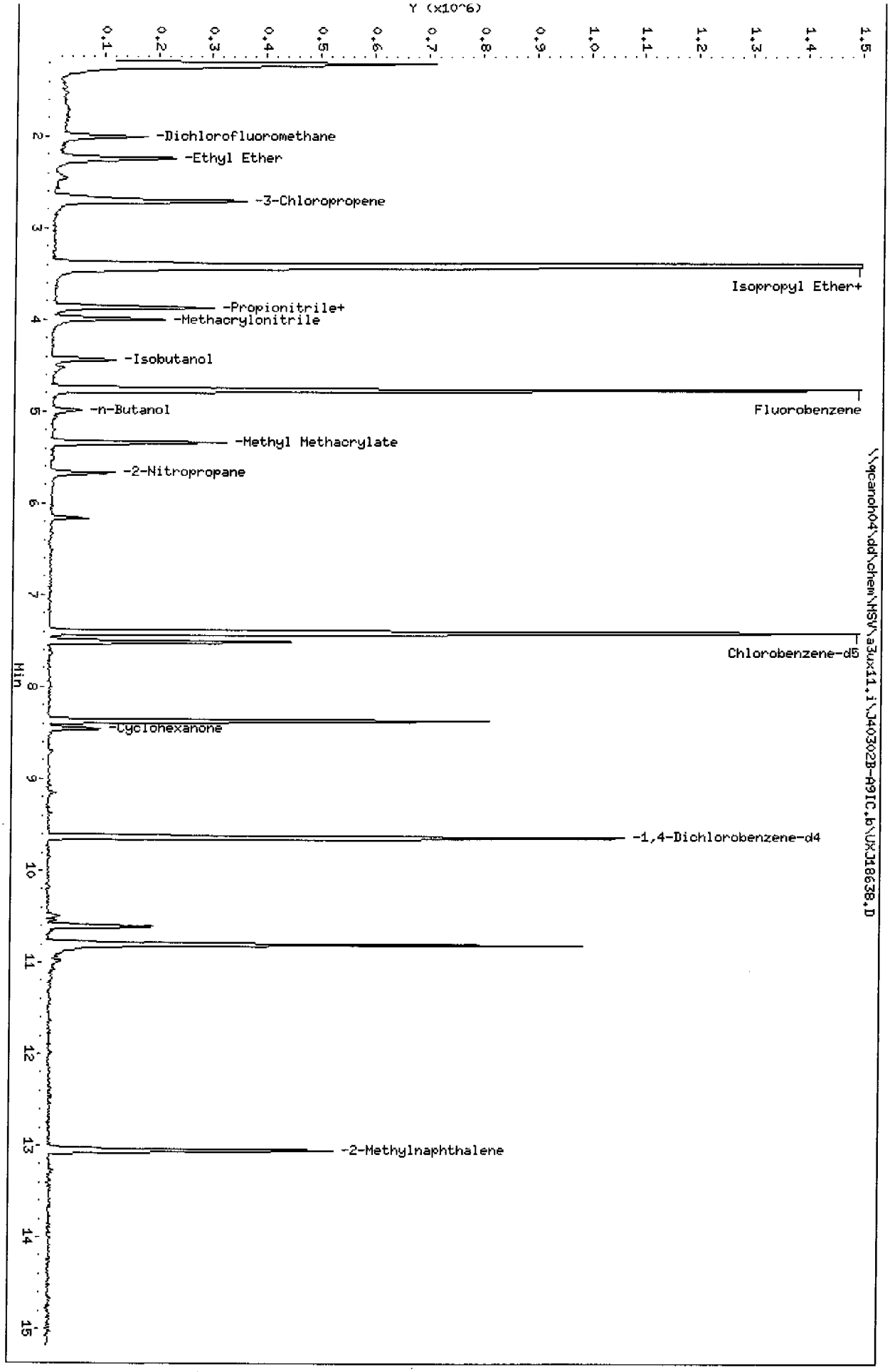
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1499555	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	961359	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	304861	50.0000	
14 Dichlorofluoromethane	67	1.996	1.996	(0.420)	84507	10.0000	10.027
89 Ethyl Ether	59	2.245	2.245	(0.472)	70709	10.0000	9.767
91 3-Chloropropene	76	2.706	2.706	(0.569)	33964	10.0000	9.141
92 Isopropyl Ether	87	3.404	3.404	(0.716)	340824	50.0000	46.071
93 2-Chloro-1,3-butadiene	53	3.428	3.428	(0.721)	119471	10.0000	8.938
94 Propionitrile	54	3.866	3.866	(0.813)	18242	20.0000	18.472
95 Ethyl Acetate	43	3.866	3.866	(0.813)	136226	20.0000	18.076
96 Methacrylonitrile	41	3.996	3.996	(0.841)	55051	10.0000	10.192
97 Isobutanol	41	4.434	4.434	(0.599)	26309	200.000	174.65
99 n-Butanol	56	4.978	4.978	(0.672)	12586	200.000	204.49(A)
100 Methyl Methacrylate	41	5.333	5.333	(1.122)	65934	10.0000	8.935
101 2-Nitropropane	41	5.664	5.664	(1.192)	26339	20.0000	16.495
103 Cyclohexanone	55	8.457	8.457	(0.877)	18011	100.000	94.304
146 2-Methylnaphthalene	142	13.048	13.048	(1.353)	109565	20.0000	16.353

Data File: UXJ18637.D
Report Date: 03-Mar-2004 07:52

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18638.D
Date : 02-MAR-2004 22:55
Client ID:
Sample Info: 25NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-n-Butanol
Fluorobenzene
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
-1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
\\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18638.D

Data File: UXJ18638.D
Report Date: 03-Mar-2004 07:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18638.D
Lab Smp Id: 25NG-A9IC
Inj Date : 02-MAR-2004 22:55
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-A9IC
Misc Info : J40302B,8260LLUX11,3-IX.SUB,43582,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\8260LLUX11.m
Meth Date : 03-Mar-2004 07:53 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 35 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1517883	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	957532	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	311088	50.0000	
14 Dichlorofluoromethane	67	2.008	2.008	(0.422)	199441	25.0000	23.378
89 Ethyl Ether	59	2.245	2.245	(0.472)	177714	25.0000	24.251
91 3-Chloropropene	76	2.706	2.706	(0.569)	87440	25.0000	23.249
92 Isopropyl Ether	87	3.404	3.404	(0.716)	873248	125.000	116.62
93 2-Chloro-1,3-butadiene	53	3.428	3.428	(0.721)	330837	25.0000	24.452
94 Propionitrile	54	3.866	3.866	(0.813)	50678	50.0000	50.699
95 Ethyl Acetate	43	3.866	3.866	(0.813)	376030	50.0000	49.294
96 Methacrylonitrile	41	3.984	3.984	(0.838)	136204	25.0000	24.912
97 Isobutanol	41	4.434	4.434	(0.599)	66833	500.000	445.43(A)
99 n-Butanol	56	4.978	4.978	(0.672)	38615	500.000	483.82(A)
100 Methyl Methacrylate	41	5.333	5.333	(1.122)	177198	25.0000	23.724
101 2-Nitropropane	41	5.664	5.664	(1.192)	75464	50.0000	46.690
103 Cyclohexanone	55	8.445	8.445	(0.876)	47112	250.000	241.74(A)
146 2-Methylnaphthalene	142	13.048	13.048	(1.353)	326850	50.0000	47.808

Data File: UXJ18638.D
Report Date: 03-Mar-2004 07:53

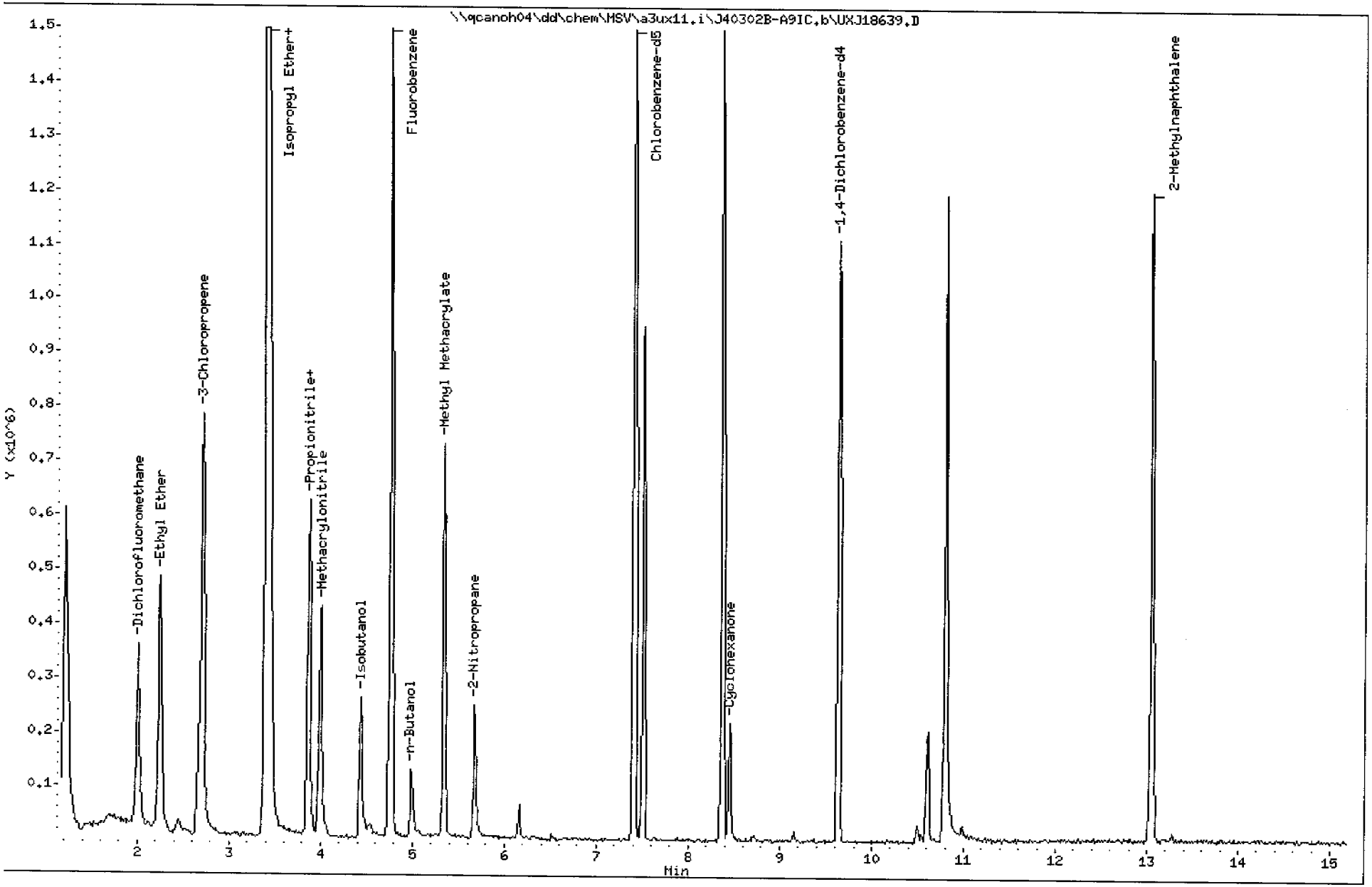
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18639.D
Date : 02-MAR-2004 23:18
Client ID:
Sample Info: 50NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: UXJ18639.D
Report Date: 03-Mar-2004 07:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18639.D
Lab Smp Id: 50NG-A9IC
Inj Date : 02-MAR-2004 23:18
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9IC
Misc Info : J40302B,8260LLUX11,3-IX.SUB,43582,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\8260LLUX11.m
Meth Date : 03-Mar-2004 07:53 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 36 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1544521	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	999197	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	315366	50.0000	
14 Dichlorofluoromethane	67	2.008	2.008	(0.423)	443347	50.0000	51.073
89 Ethyl Ether	59	2.245	2.245	(0.472)	374554	50.0000	50.231
91 3-Chloropropene	76	2.706	2.706	(0.569)	196811	50.0000	51.427
92 Isopropyl Ether	87	3.404	3.404	(0.716)	1906969	250.000	250.27(A)
93 2-Chloro-1,3-butadiene	53	3.428	3.428	(0.721)	719577	50.0000	52.267
94 Propionitrile	54	3.866	3.866	(0.813)	98829	100.000	97.164
95 Ethyl Acetate	43	3.866	3.866	(0.813)	757341	100.000	97.567
96 Methacrylonitrile	41	3.996	3.996	(0.841)	277960	50.0000	49.962
97 Isobutanol	41	4.434	4.434	(0.599)	148880	1000.00	950.89(A)
99 n-Butanol	56	4.978	4.978	(0.672)	84271	1000.00	925.42(A)
100 Methyl Methacrylate	41	5.333	5.333	(1.122)	383970	50.0000	50.520
101 2-Nitropropane	41	5.664	5.664	(1.192)	154714	100.000	94.072
103 Cyclohexanone	55	8.445	8.445	(0.876)	96264	500.000	487.24(A)
146 2-Methylnaphthalene	142	13.048	13.048	(1.353)	723389	100.000	104.37

Data File: UXJ18639.D
Report Date: 03-Mar-2004 07:54

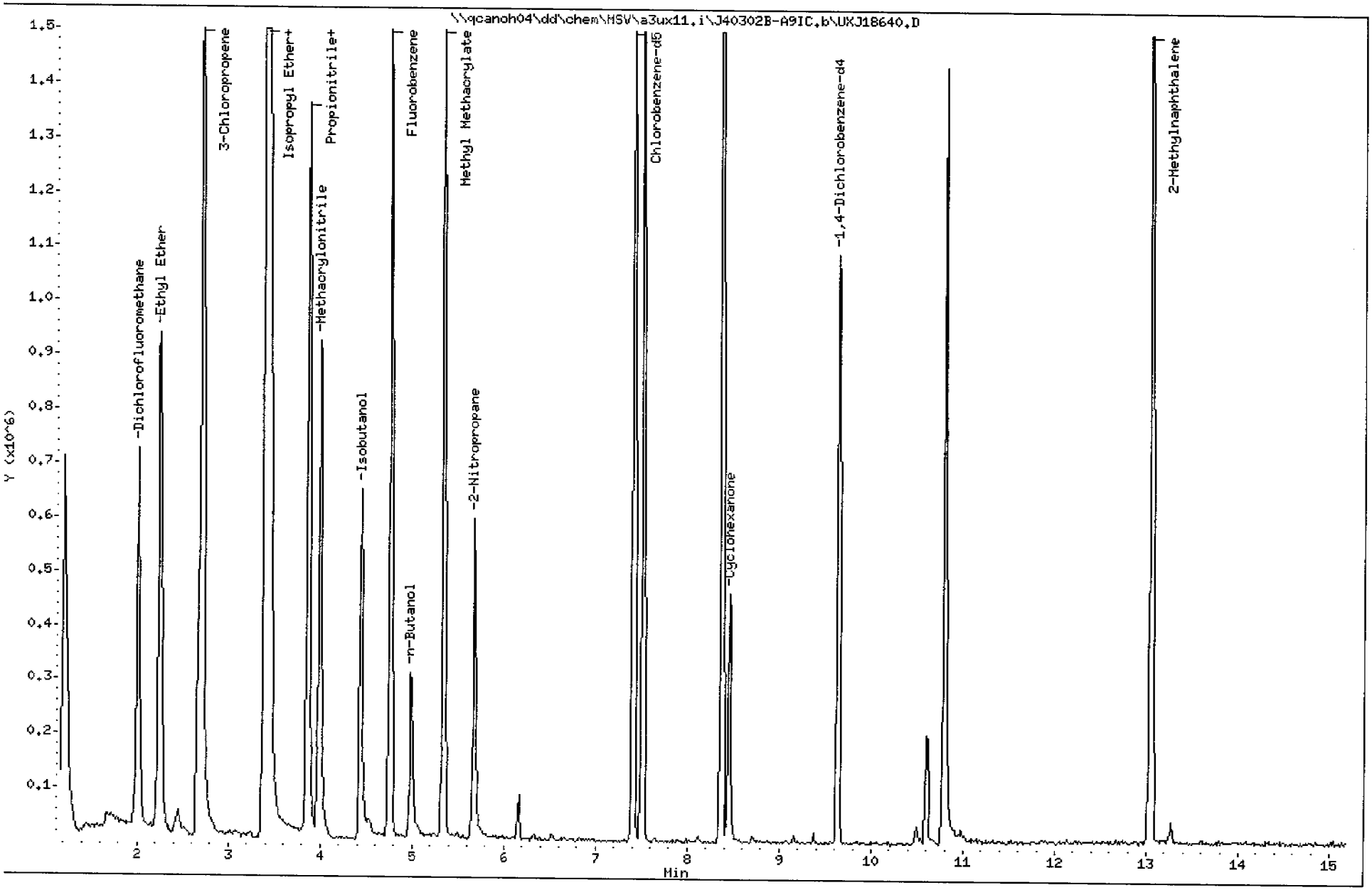
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18640.D
Date : 02-MAR-2004 23:42
Client ID:
Sample Info: 100NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18640.D
Lab Smp Id: 100NG-A9IC
Inj Date : 02-MAR-2004 23:42
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-A9IC
Misc Info : J40302B,8260LLUX11,3-IX.SUB,43582,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\8260LLUX11.m
Meth Date : 03-Mar-2004 07:54 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 37 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1602622	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	996444	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	316228	50.0000	
14 Dichlorofluoromethane	67	1.996	1.996	(0.420)	915525	100.000	101.64
89 Ethyl Ether	59	2.245	2.245	(0.472)	781499	100.000	101.01
91 3-Chloropropene	76	2.706	2.706	(0.569)	425822	100.000	107.23
92 Isopropyl Ether	87	3.404	3.404	(0.716)	4159377	500.000	526.09(A)
93 2-Chloro-1,3-butadiene	53	3.428	3.428	(0.721)	1570747	100.000	109.96
94 Propionitrile	54	3.866	3.866	(0.813)	212250	200.000	201.11(A)
95 Ethyl Acetate	43	3.866	3.866	(0.813)	1671870	200.000	207.58(A)
96 Methacrylonitrile	41	3.984	3.984	(0.838)	581693	100.000	100.76
97 Isobutanol	41	4.434	4.434	(0.599)	348996	2000.00	2235.2(A)
99 n-Butanol	56	4.978	4.978	(0.672)	201524	2000.00	2049.0(A)
100 Methyl Methacrylate	41	5.333	5.333	(1.122)	831310	100.000	105.41
101 2-Nitropropane	41	5.664	5.664	(1.192)	378138	200.000	221.59(A)
103 Cyclohexanone	55	8.445	8.445	(0.876)	217362	1000.00	1097.2(A)
146 2-Methylnaphthalene	142	13.048	13.048	(1.353)	1555891	200.000	223.88(A)

Data File: UX018640.D
Report Date: 03-Mar-2004 07:54

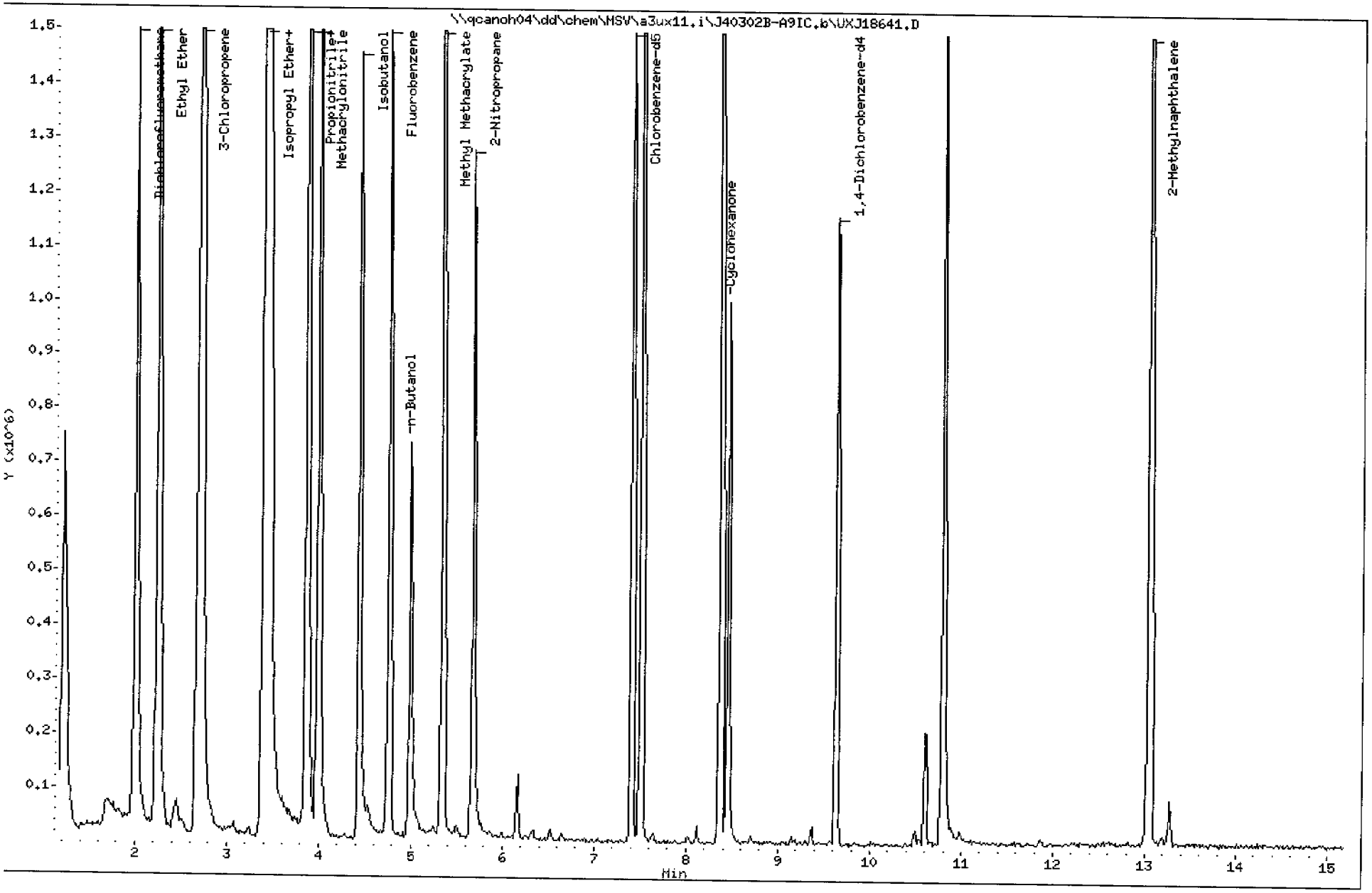
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18641.D
Date : 03-MAR-2004 00:05
Client ID:
Sample Info: 200NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: UXJ18641.D
Report Date: 03-Mar-2004 07:55

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\UXJ18641.D
Lab Smp Id: 200NG-A9IC
Inj Date : 03-MAR-2004 00:05
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-A9IC
Misc Info : J40302B,8260LLUX11,3-IX.SUB,43582,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\8260LLUX11.m
Meth Date : 03-Mar-2004 07:55 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 38 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

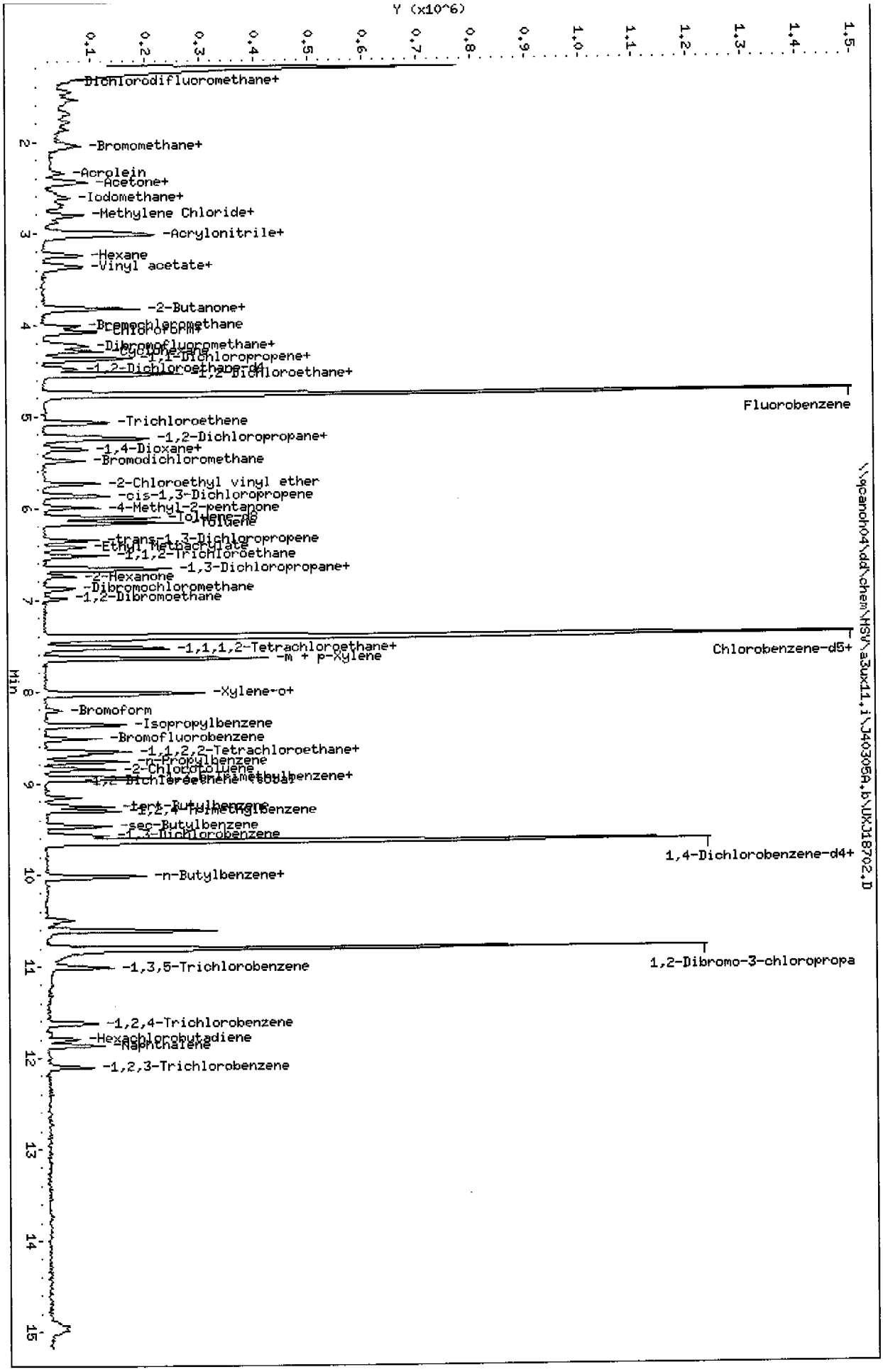
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1714453	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	1082966	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	334236	50.0000	
14 Dichlorofluoromethane	67	1.996	1.996	(0.420)	2107980	200.000	218.77(A)
89 Ethyl Ether	59	2.245	2.245	(0.472)	1661179	200.000	200.70(A)
91 3-Chloropropene	76	2.706	2.706	(0.569)	899087	200.000	211.64(A)
92 Isopropyl Ether	87	3.404	3.404	(0.716)	9572670	1000.00	1131.8(A)
93 2-Chloro-1,3-butadiene	53	3.428	3.428	(0.721)	3376600	200.000	220.95(A)
94 Propionitrile	54	3.866	3.866	(0.813)	442050	400.000	391.53(A)
95 Ethyl Acetate	43	3.866	3.866	(0.813)	3481169	400.000	404.02(A)
96 Methacrylonitrile	41	3.984	3.984	(0.838)	1223791	200.000	198.17
97 Isobutanol	41	4.434	4.434	(0.599)	790074	4000.00	4655.8(A)
99 n-Butanol	56	4.978	4.978	(0.672)	468232	4000.00	3992.2(A)
100 Methyl Methacrylate	41	5.333	5.333	(1.122)	1791864	200.000	212.39(A)
101 2-Nitropropane	41	5.664	5.664	(1.192)	804870	400.000	440.89(A)
103 Cyclohexanone	55	8.445	8.445	(0.876)	462748	2000.00	2210.0(A)
146 2-Methylnaphthalene	142	13.048	13.048	(1.353)	3469059	400.000	472.27(A)

Data File: UXJ18641.D
Report Date: 03-Mar-2004 07:55

QC Flag Legend

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


Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J40305A.b\UX18702.D
Date : 05-MAR-2004 08:40
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
Dichlorodifluoromethane+
-Bromomethane+
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,2-Dichloroethene (total)
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux11.i\J40305A.b\UX18702.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18702.D
Lab Smp Id: 5NG-IC
Inj Date : 05-MAR-2004 08:40
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-IC
Misc Info : J40305A,8260LLUX11,2-8260.SUB,43582,1,
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Meth Date : 05-Mar-2004 12:03 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.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: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1601008	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	1000111	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	321629	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.885)	35174	5.00000	4.980
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.943)	50201	5.00000	4.954
$ 6 Toluene-d8	98	6.102	6.102	(0.824)	146494	5.00000	4.908
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.150)	34069	5.00000	4.917
8 Dichlorodifluoromethane	85	1.345	1.345	(0.283)	13472	5.00000	5.375
9 Chloromethane	50	1.464	1.464	(0.308)	37040	5.00000	5.941
10 Vinyl Chloride	62	1.546	1.546	(0.325)	33599	5.00000	5.867
11 Bromomethane	94	1.795	1.795	(0.378)	18136	5.00000	7.385
12 Chloroethane	64	1.866	1.866	(0.393)	20461	5.00000	4.779
13 Trichlorofluoromethane	101	2.055	2.055	(0.432)	45467	5.00000	4.977
15 Acrolein	56	2.351	2.351	(0.495)	48946	50.0000	46.264
16 Acetone	43	2.458	2.458	(0.517)	41046	10.0000	8.734
17 1,1-Dichloroethene	96	2.434	2.434	(0.512)	28589	5.00000	4.959
18 Freon-113	151	2.458	2.458	(0.517)	13046	5.00000	4.610

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18702.D
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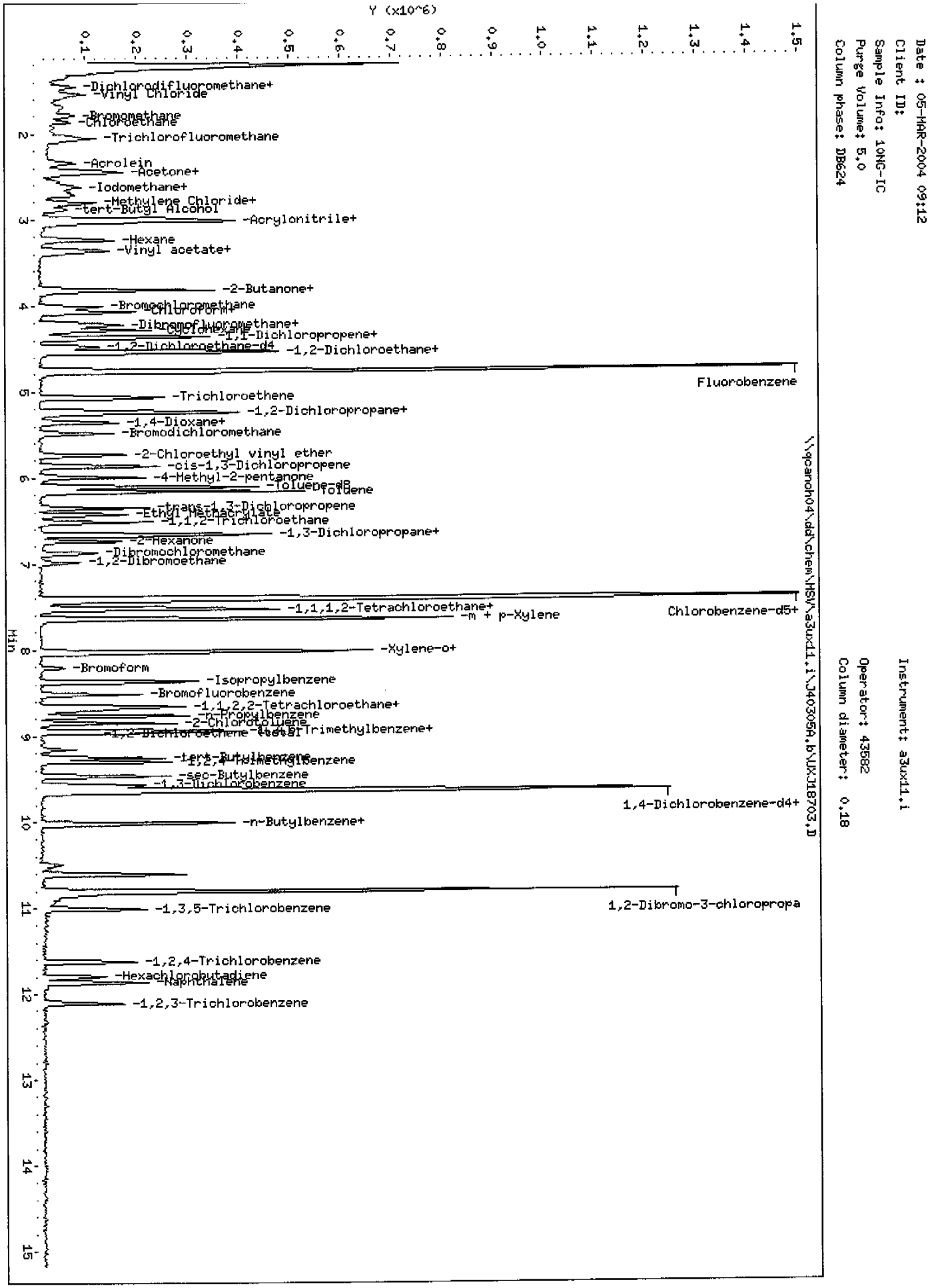
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.552	2.552	(0.537)	41518	5.00000	5.384
	20 Carbon Disulfide	76	2.623	2.623	(0.552)	99778	5.00000	5.352
	21 Methylene Chloride	84	2.801	2.801	(0.589)	42860	5.00000	6.070
	22 Acetonitrile	41	2.671	2.671	(0.562)	46625	50.0000	52.301
	23 Acrylonitrile	53	2.990	2.990	(0.629)	140028	50.0000	45.295
	24 Methyl tert-butyl ether	73	3.026	3.026	(0.637)	109293	5.00000	4.608
	25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.637)	37645	5.00000	4.511
	26 Hexane	86	3.239	3.239	(0.681)	7854	5.00000	4.466
	27 Vinyl acetate	43	3.381	3.381	(0.711)	69242	5.00000	6.893
	28 1,1-Dichloroethane	63	3.357	3.357	(0.706)	73702	5.00000	4.772
	29 tert-Butyl Alcohol	59	2.884	2.884	(0.607)	36577	100.000	169.20
	30 2-Butanone	43	3.818	3.818	(0.803)	47083	10.0000	8.399
M	31 1,2-Dichloroethene (total)	96				76214	10.0000	9.010
	32 cis-1,2-dichloroethene	96	3.818	3.818	(0.803)	38569	5.00000	4.498
	33 2,2-Dichloropropane	77	3.818	3.818	(0.803)	35769	5.00000	6.354
	34 Bromochloromethane	128	4.008	4.008	(0.843)	20720	5.00000	5.249
	35 Chloroform	83	4.079	4.079	(0.858)	71707	5.00000	4.885
	36 Tetrahydrofuran	42	4.055	4.055	(0.853)	22129	5.00000	7.355
	37 1,1,1-Trichloroethane	97	4.233	4.233	(0.890)	49061	5.00000	4.542
	38 1,1-Dichloropropene	75	4.363	4.363	(0.918)	54452	5.00000	4.649
	39 Carbon Tetrachloride	117	4.375	4.375	(0.920)	35818	5.00000	4.355
	40 1,2-Dichloroethane	62	4.540	4.540	(0.955)	62663	5.00000	4.630
	41 Benzene	78	4.540	4.540	(0.955)	186203	5.00000	5.099
	42 Trichloroethene	130	5.073	5.073	(1.067)	42720	5.00000	5.055
	43 1,2-Dichloropropane	63	5.250	5.250	(1.105)	48211	5.00000	5.102
	44 1,4-Dioxane	88	5.369	5.369	(1.129)	16344	250.000	256.76(A)
	45 Dibromomethane	93	5.357	5.357	(1.127)	25829	5.00000	5.149
	46 Bromodichloromethane	83	5.475	5.475	(1.152)	52833	5.00000	4.942
	47 2-Chloroethyl vinyl ether	63	5.735	5.735	(1.207)	41219	10.0000	9.016
	48 cis-1,3-Dichloropropene	75	5.866	5.866	(1.234)	65479	5.00000	4.900
	49 4-Methyl-2-pentanone	43	5.996	5.996	(1.261)	76816	10.0000	8.707
	50 Toluene	91	6.161	6.161	(0.832)	196719	5.00000	5.100
	51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.858)	54439	5.00000	4.621
	52 Ethyl Methacrylate	69	6.422	6.422	(0.867)	39787	5.00000	6.247
	53 1,1,2-Trichloroethane	97	6.516	6.516	(0.880)	33477	5.00000	4.918
	54 1,3-Dichloropropane	76	6.670	6.670	(0.901)	65940	5.00000	4.934
	55 Tetrachloroethene	164	6.658	6.658	(0.899)	28200	5.00000	4.888
	56 2-Hexanone	43	6.741	6.741	(0.911)	48666	10.0000	14.196
	57 Dibromochloromethane	129	6.871	6.871	(0.928)	30010	5.00000	4.684
	58 1,2-Dibromoethane	107	6.978	6.978	(0.942)	31108	5.00000	4.911
	59 Chlorobenzene	112	7.439	7.439	(1.005)	106489	5.00000	5.312
	60 1,1,1,2-Tetrachloroethane	131	7.510	7.510	(1.014)	29913	5.00000	4.884
	61 Ethylbenzene	106	7.534	7.534	(1.018)	50691	5.00000	4.779
	62 m + p-Xylene	106	7.640	7.640	(1.032)	124483	10.0000	9.737
M	63 Xylenes (total)	106				181385	15.0000	14.748
	64 Xylene-o	106	8.019	8.019	(1.083)	56902	5.00000	5.011
	65 Styrene	104	8.031	8.031	(1.085)	85718	5.00000	4.501

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18702.D
Report Date: 05-Mar-2004 12:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.208	8.208	(1.109)	12905	5.00000	4.775
67 Isopropylbenzene	105	8.362	8.362	(1.129)	108275	5.00000	4.688
68 1,1,2,2-Tetrachloroethane	83	8.658	8.658	(0.898)	24941	5.00000	4.879
69 1,4-Dichloro-2-butene	53	8.705	8.705	(0.903)	4369	5.00000	8.500
70 1,2,3-Trichloropropane	110	8.694	8.694	(0.902)	9019	5.00000	5.287
71 Bromobenzene	156	8.658	8.658	(0.898)	28182	5.00000	5.234
72 n-Propylbenzene	120	8.765	8.765	(0.909)	28393	5.00000	5.086
73 2-Chlorotoluene	126	8.847	8.847	(0.918)	23341	5.00000	4.757
74 1,3,5-Trimethylbenzene	105	8.930	8.930	(0.926)	72585	5.00000	4.744
75 4-Chlorotoluene	126	8.954	8.954	(0.929)	26006	5.00000	5.087
76 tert-Butylbenzene	119	9.250	9.250	(0.959)	64454	5.00000	5.119
77 1,2,4-Trimethylbenzene	105	9.297	9.297	(0.964)	82332	5.00000	5.108
78 sec-Butylbenzene	105	9.463	9.463	(0.982)	84767	5.00000	4.774
79 4-Isopropyltoluene	119	9.605	9.605	(0.996)	67775	5.00000	4.611
80 1,3-Dichlorobenzene	146	9.569	9.569	(0.993)	47721	5.00000	5.272
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	53944	5.00000	5.484
82 n-Butylbenzene	91	10.007	10.007	(1.038)	67775	5.00000	4.626
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	48258	5.00000	5.208
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	5161	5.00000	5.400
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	31015	5.00000	5.445
86 Hexachlorobutadiene	225	11.806	11.806	(1.225)	9610	5.00000	4.894
87 Naphthalene	128	11.865	11.865	(1.231)	80787	5.00000	5.008
88 1,2,3-Trichlorobenzene	180	12.113	12.113	(1.257)	27355	5.00000	5.335
98 Cyclohexane	56	4.280	4.280	(0.900)	54104	5.00000	4.357
143 Methyl Acetate	43	2.718	2.718	(0.572)	59419	10.0000	9.582
144 Methylcyclohexane	83	5.238	5.238	(1.102)	48233	5.00000	4.277
141 1,3,5-Trichlorobenzene	180	11.013	11.013	(1.142)	34442	5.00000	5.549

QC Flag Legend

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


Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J40305A.b\UX18703.D
Date : 05-MAR-2004 09:12
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,2-Dichloroethane-d4
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux11.i\J40305A.b\UX18703.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18703.D
Lab Smp Id: 10NG-IC
Inj Date : 05-MAR-2004 09:12
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-IC
Misc Info : J40305A,8260LLUX11,2-8260.SUB,43582,1,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Meth Date : 05-Mar-2004 12:03 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.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: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1571671	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	997226	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	318779	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.885)	64267	10.0000	9.270
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.943)	94934	10.0000	9.544
$ 6 Toluene-d8	98	6.102	6.102	(0.824)	288595	10.0000	9.697
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.150)	67447	10.0000	9.762
8 Dichlorodifluoromethane	85	1.345	1.345	(0.283)	23321	10.0000	9.478
9 Chloromethane	50	1.452	1.452	(0.305)	63886	10.0000	10.439
10 Vinyl Chloride	62	1.535	1.535	(0.323)	57778	10.0000	10.278
11 Bromomethane	94	1.783	1.783	(0.375)	37285	10.0000	11.834
12 Chloroethane	64	1.866	1.866	(0.393)	38846	10.0000	9.242
13 Trichlorofluoromethane	101	2.043	2.043	(0.430)	80318	10.0000	8.957
15 Acrolein	56	2.339	2.339	(0.492)	93124	100.000	89.665
16 Acetone	43	2.458	2.458	(0.517)	91942	20.0000	19.928
17 1,1-Dichloroethene	96	2.434	2.434	(0.512)	52057	10.0000	9.198
18 Freon-113	151	2.458	2.458	(0.517)	27947	10.0000	10.060

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18703.D
Report Date: 05-Mar-2004 12:04

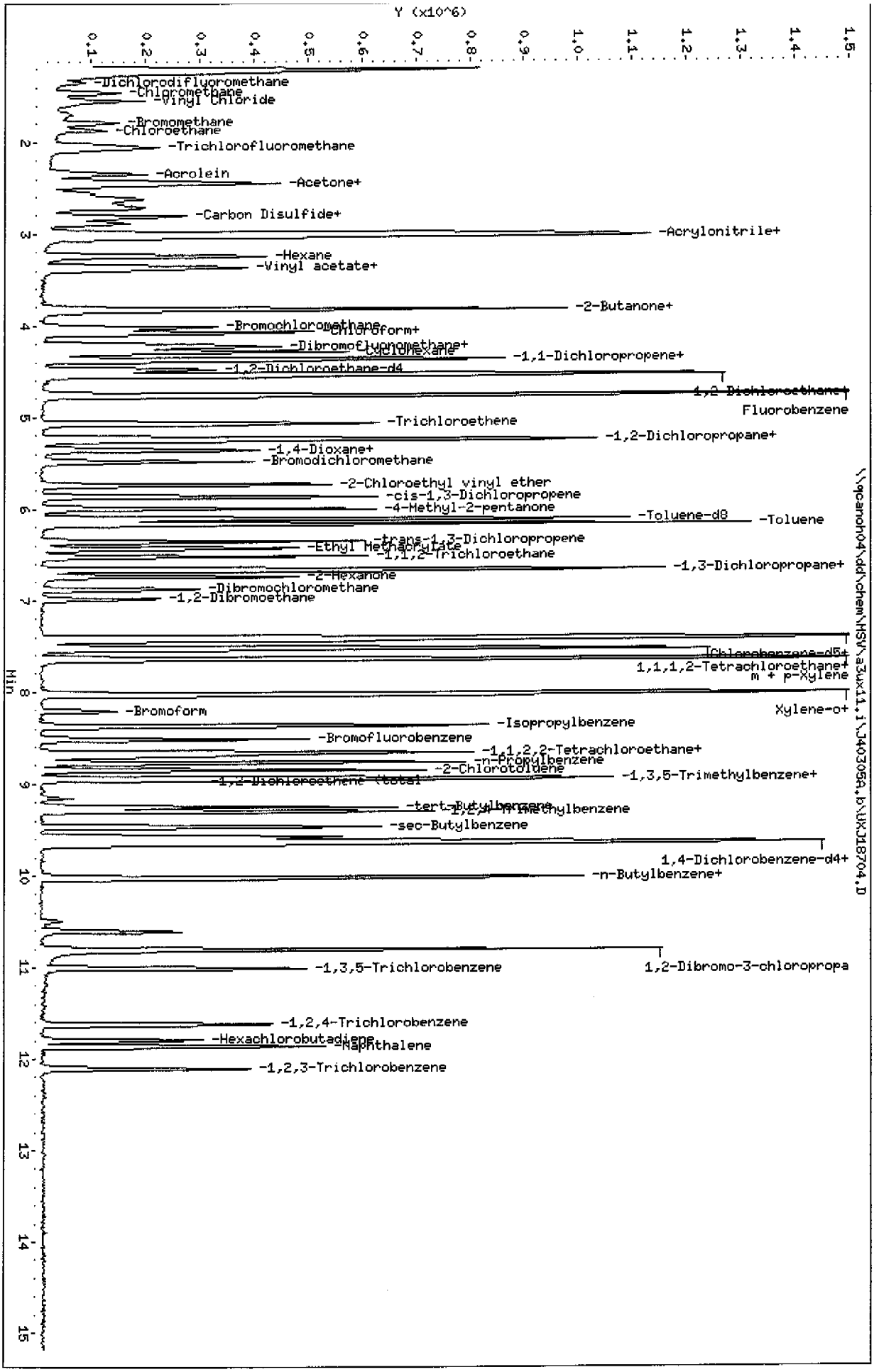
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.552	2.552	(0.537)	70203	10.0000	9.273
	20 Carbon Disulfide	76	2.623	2.623	(0.552)	181466	10.0000	9.915
	21 Methylene Chloride	84	2.801	2.801	(0.589)	64494	10.0000	9.304
	22 Acetonitrile	41	2.671	2.671	(0.562)	82183	100.000	93.909
	23 Acrylonitrile	53	2.990	2.990	(0.629)	262125	100.000	86.372
	24 Methyl tert-butyl ether	73	3.014	3.014	(0.634)	206288	10.0000	8.859
	25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.637)	72751	10.0000	8.881
	26 Hexane	86	3.239	3.239	(0.681)	15157	10.0000	8.780
	27 Vinyl acetate	43	3.381	3.381	(0.711)	126538	10.0000	10.217
	28 1,1-Dichloroethane	63	3.357	3.357	(0.706)	134100	10.0000	8.844
	29 tert-Butyl Alcohol	59	2.884	2.884	(0.607)	72386	200.000	236.04
	30 2-Butanone	43	3.818	3.818	(0.803)	101286	20.0000	18.405
M	31 1,2-Dichloroethene (total)	96				151721	20.0000	18.264
	32 cis-1,2-dichloroethene	96	3.818	3.818	(0.803)	78970	10.0000	9.382
	33 2,2-Dichloropropane	77	3.818	3.818	(0.803)	62765	10.0000	9.645
	34 Bromochloromethane	128	4.008	4.008	(0.843)	36339	10.0000	9.377
	35 Chloroform	83	4.079	4.079	(0.858)	132973	10.0000	9.228
	36 Tetrahydrofuran	42	4.055	4.055	(0.853)	33342	10.0000	11.595
	37 1,1,1-Trichloroethane	97	4.233	4.233	(0.890)	99177	10.0000	9.352
	38 1,1-Dichloropropene	75	4.363	4.363	(0.918)	105138	10.0000	9.144
	39 Carbon Tetrachloride	117	4.374	4.374	(0.920)	71159	10.0000	8.814
	40 1,2-Dichloroethane	62	4.540	4.540	(0.955)	122176	10.0000	9.196
	41 Benzene	78	4.528	4.528	(0.953)	348451	10.0000	9.720
	42 Trichloroethene	130	5.061	5.061	(1.065)	82166	10.0000	9.904
	43 1,2-Dichloropropane	63	5.250	5.250	(1.105)	89105	10.0000	9.606
	44 1,4-Dioxane	88	5.357	5.357	(1.127)	28630	500.000	458.16(A)
	45 Dibromomethane	93	5.357	5.357	(1.127)	47659	10.0000	9.679
	46 Bromodichloromethane	83	5.487	5.487	(1.154)	96765	10.0000	9.220
	47 2-Chloroethyl vinyl ether	63	5.735	5.735	(1.207)	76510	20.0000	17.047
	48 cis-1,3-Dichloropropene	75	5.865	5.865	(1.234)	117923	10.0000	8.989
	49 4-Methyl-2-pentanone	43	5.996	5.996	(1.261)	155757	20.0000	17.984
	50 Toluene	91	6.161	6.161	(0.832)	364640	10.0000	9.481
	51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.858)	104274	10.0000	8.877
	52 Ethyl Methacrylate	69	6.422	6.422	(0.867)	90064	10.0000	10.646
	53 1,1,2-Trichloroethane	97	6.516	6.516	(0.880)	68889	10.0000	10.149
	54 1,3-Dichloropropane	76	6.670	6.670	(0.901)	120927	10.0000	9.075
	55 Tetrachloroethene	164	6.658	6.658	(0.899)	54469	10.0000	9.469
	56 2-Hexanone	43	6.729	6.729	(0.909)	123633	20.0000	22.971
	57 Dibromochloromethane	129	6.871	6.871	(0.928)	64617	10.0000	10.114
	58 1,2-Dibromoethane	107	6.990	6.990	(0.944)	62553	10.0000	9.905
	59 Chlorobenzene	112	7.439	7.439	(1.005)	196594	10.0000	9.834
	60 1,1,1,2-Tetrachloroethane	131	7.510	7.510	(1.014)	58014	10.0000	9.499
	61 Ethylbenzene	106	7.534	7.534	(1.018)	107595	10.0000	10.172
	62 m + p-Xylene	106	7.640	7.640	(1.032)	234848	20.0000	18.423
M	63 Xylenes (total)	106				346135	30.0000	28.251
	64 Xylene-o	106	8.019	8.019	(1.083)	111287	10.0000	9.828
	65 Styrene	104	8.031	8.031	(1.085)	183173	10.0000	9.646

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18703.D
Report Date: 05-Mar-2004 12:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.208	8.208	(1.109)	23031	10.0000	8.547
67 Isopropylbenzene	105	8.362	8.362	(1.129)	223982	10.0000	9.726
68 1,1,2,2-Tetrachloroethane	83	8.646	8.646	(0.897)	51690	10.0000	10.203
69 1,4-Dichloro-2-butene	53	8.694	8.694	(0.902)	9887	10.0000	12.728
70 1,2,3-Trichloropropane	110	8.694	8.694	(0.902)	18263	10.0000	10.802
71 Bromobenzene	156	8.658	8.658	(0.898)	54836	10.0000	10.275
72 n-Propylbenzene	120	8.765	8.765	(0.909)	58377	10.0000	10.550
73 2-Chlorotoluene	126	8.847	8.847	(0.918)	53477	10.0000	10.996
74 1,3,5-Trimethylbenzene	105	8.930	8.930	(0.926)	144828	10.0000	9.550
75 4-Chlorotoluene	126	8.954	8.954	(0.929)	49280	10.0000	9.727
76 tert-Butylbenzene	119	9.250	9.250	(0.959)	119959	10.0000	9.613
77 1,2,4-Trimethylbenzene	105	9.297	9.297	(0.964)	147817	10.0000	9.253
78 sec-Butylbenzene	105	9.463	9.463	(0.982)	176246	10.0000	10.015
79 4-Isopropyltoluene	119	9.605	9.605	(0.996)	146416	10.0000	10.049
80 1,3-Dichlorobenzene	146	9.581	9.581	(0.994)	89269	10.0000	9.950
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	99796	10.0000	10.236
82 n-Butylbenzene	91	10.007	10.007	(1.038)	140600	10.0000	9.682
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	88404	10.0000	9.626
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	9010	10.0000	9.511
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	58156	10.0000	10.300
86 Hexachlorobutadiene	225	11.794	11.794	(1.223)	19858	10.0000	10.203
87 Naphthalene	128	11.865	11.865	(1.231)	167179	10.0000	10.456
88 1,2,3-Trichlorobenzene	180	12.113	12.113	(1.257)	54417	10.0000	10.708
98 Cyclohexane	56	4.280	4.280	(0.900)	114042	10.0000	9.355
143 Methyl Acetate	43	2.718	2.718	(0.572)	114924	20.0000	18.879
144 Methylcyclohexane	83	5.226	5.226	(1.100)	104826	10.0000	9.468
141 1,3,5-Trichlorobenzene	180	11.013	11.013	(1.142)	65084	10.0000	10.580

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 05-MAR-2004 09:35
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-1,2-Dichloroethene (total)
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,3,5-Trichlorobenzene
1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux11.i\J40305A.b\UXJ18704.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18704.D
Lab Smp Id: 25NG-IC
Inj Date : 05-MAR-2004 09:35
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-IC
Misc Info : J40305A,8260LLUX11,2-8260.SUB,43582,1,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Meth Date : 05-Mar-2004 12:04 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.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: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1642874	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	1029213	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	336188	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.886)	172963	25.0000	23.866
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.943)	239364	25.0000	23.020
$ 6 Toluene-d8	98	6.102	6.102	(0.824)	729707	25.0000	23.757
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.150)	172532	25.0000	24.197
8 Dichlorodifluoromethane	85	1.346	1.346	(0.283)	65800	25.0000	25.585
9 Chloromethane	50	1.452	1.452	(0.306)	165159	25.0000	25.817
10 Vinyl Chloride	62	1.535	1.535	(0.323)	154461	25.0000	26.286
11 Bromomethane	94	1.795	1.795	(0.378)	88662	25.0000	22.576
12 Chloroethane	64	1.866	1.866	(0.393)	99209	25.0000	22.581
13 Trichlorofluoromethane	101	2.055	2.055	(0.432)	217540	25.0000	23.208
15 Acrolein	56	2.339	2.339	(0.492)	259372	250.000	238.91
16 Acetone	43	2.458	2.458	(0.517)	240892	50.0000	49.951
17 1,1-Dichloroethene	96	2.434	2.434	(0.512)	136036	25.0000	22.994
18 Freon-113	151	2.458	2.458	(0.517)	64387	25.0000	22.172

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.D\UXJ18704.D
Report Date: 05-Mar-2004 12:04

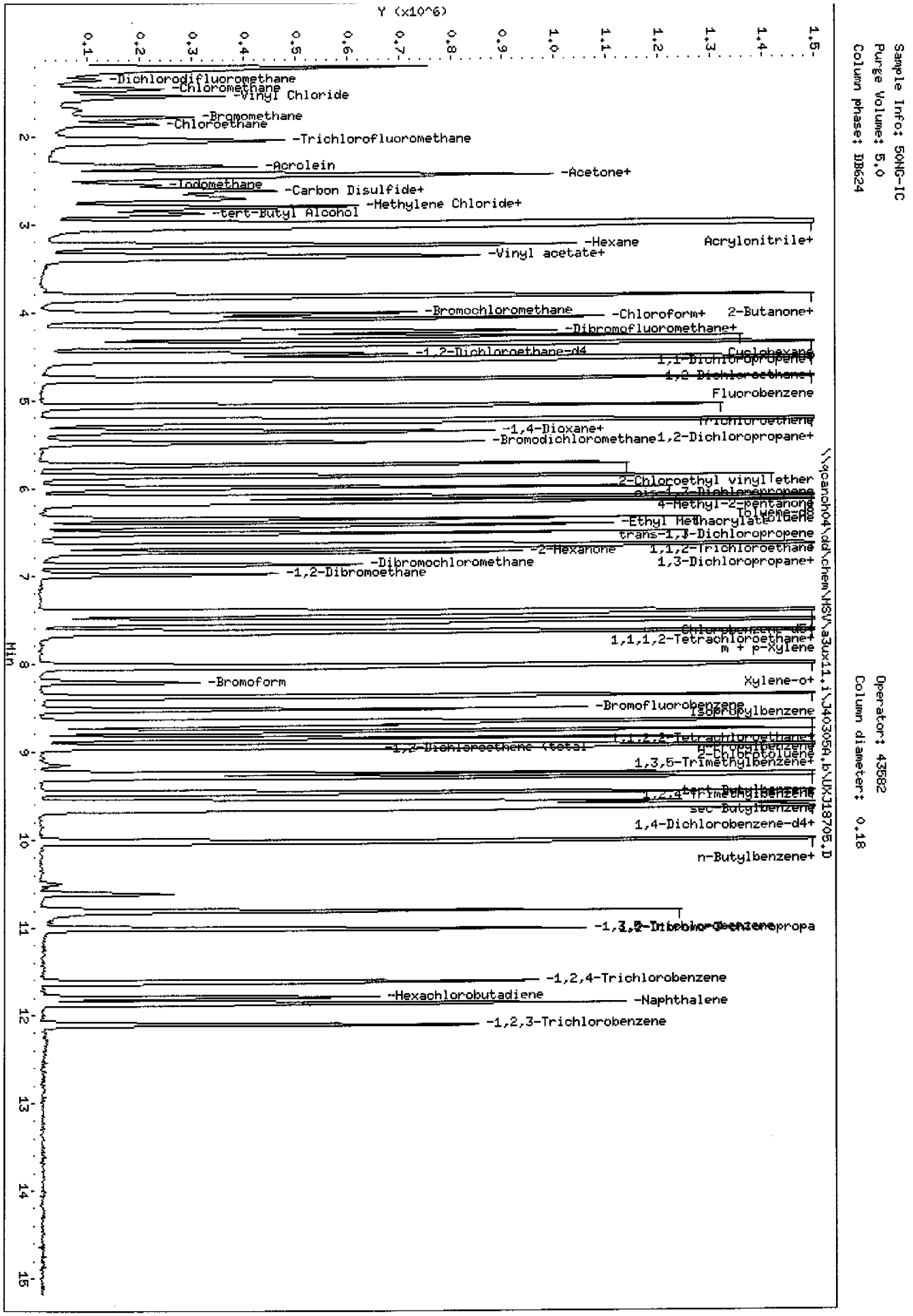
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.564	2.564	(0.540)	189769	25.0000	23.980
20 Carbon Disulfide	76	2.623	2.623	(0.552)	438429	25.0000	22.917
21 Methylene Chloride	84	2.813	2.813	(0.592)	169178	25.0000	23.349
22 Acetonitrile	41	2.671	2.671	(0.562)	215462	250.000	235.53
23 Acrylonitrile	53	2.990	2.990	(0.629)	801246	250.000	252.57
24 Methyl tert-butyl ether	73	3.026	3.026	(0.637)	618548	25.0000	25.412
25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.637)	204881	25.0000	23.928
26 Hexane	86	3.239	3.239	(0.681)	40780	25.0000	22.599
27 Vinyl acetate	43	3.381	3.381	(0.711)	393266	25.0000	24.268
28 1,1-Dichloroethane	63	3.357	3.357	(0.706)	372415	25.0000	23.496
29 tert-Butyl Alcohol	59	2.884	2.884	(0.607)	209741	500.000	472.65
30 2-Butanone	43	3.819	3.819	(0.803)	294862	50.0000	51.258
M 31 1,2-Dichloroethene (total)	96				415773	50.0000	47.898
32 cis-1,2-dichloroethene	96	3.819	3.819	(0.803)	210892	25.0000	23.970
33 2,2-Dichloropropane	77	3.819	3.819	(0.803)	191227	25.0000	23.799
34 Bromochloromethane	128	4.008	4.008	(0.843)	94951	25.0000	23.439
35 Chloroform	83	4.079	4.079	(0.858)	359521	25.0000	23.868
36 Tetrahydrofuran	42	4.055	4.055	(0.853)	70559	25.0000	24.123
37 1,1,1-Trichloroethane	97	4.233	4.233	(0.890)	253754	25.0000	22.892
38 1,1-Dichloropropene	75	4.363	4.363	(0.918)	276523	25.0000	23.007
39 Carbon Tetrachloride	117	4.375	4.375	(0.920)	190414	25.0000	22.564
40 1,2-Dichloroethane	62	4.540	4.540	(0.955)	345565	25.0000	24.882
41 Benzene	78	4.529	4.529	(0.953)	898703	25.0000	23.984
42 Trichloroethene	130	5.073	5.073	(1.067)	207792	25.0000	23.960
43 1,2-Dichloropropane	63	5.250	5.250	(1.105)	232405	25.0000	23.969
44 1,4-Dioxane	88	5.357	5.357	(1.127)	81316	1250.00	1244.9(A)
45 Dibromomethane	93	5.357	5.357	(1.127)	123282	25.0000	23.951
46 Bromodichloromethane	83	5.487	5.487	(1.154)	260052	25.0000	23.704
47 2-Chloroethyl vinyl ether	63	5.736	5.736	(1.207)	232072	50.0000	49.466
48 cis-1,3-Dichloropropene	75	5.866	5.866	(1.234)	328662	25.0000	23.968
49 4-Methyl-2-pentanone	43	5.996	5.996	(1.261)	460033	50.0000	50.816
50 Toluene	91	6.162	6.162	(0.832)	945918	25.0000	23.830
51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.858)	284104	25.0000	23.435
52 Ethyl Methacrylate	69	6.422	6.422	(0.867)	245066	25.0000	23.452
53 1,1,2-Trichloroethane	97	6.516	6.516	(0.880)	175914	25.0000	25.111
54 1,3-Dichloropropane	76	6.670	6.670	(0.901)	328919	25.0000	23.916
55 Tetrachloroethene	164	6.658	6.658	(0.899)	141157	25.0000	23.776
56 2-Hexanone	43	6.729	6.729	(0.909)	364188	50.0000	50.014
57 Dibromochloromethane	129	6.883	6.883	(0.930)	160311	25.0000	24.312
58 1,2-Dibromoethane	107	6.978	6.978	(0.942)	157698	25.0000	24.194
59 Chlorobenzene	112	7.439	7.439	(1.005)	509133	25.0000	24.678
60 1,1,1,2-Tetrachloroethane	131	7.510	7.510	(1.014)	153452	25.0000	24.344
61 Ethylbenzene	106	7.534	7.534	(1.018)	258000	25.0000	23.634
62 m + p-Xylene	106	7.641	7.641	(1.032)	634449	50.0000	48.223
M 63 Xylenes (total)	106				917867	75.0000	72.476
64 Xylene-o	106	8.019	8.019	(1.083)	283418	25.0000	24.252
65 Styrene	104	8.031	8.031	(1.085)	480753	25.0000	24.529

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18704.D
Report Date: 05-Mar-2004 12:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.209	8.209	(1.109)	67983	25.0000	24.446
67 Isopropylbenzene	105	8.362	8.362	(1.129)	569236	25.0000	23.950
68 1,1,2,2-Tetrachloroethane	83	8.646	8.646	(0.897)	135403	25.0000	25.342
69 1,4-Dichloro-2-butene	53	8.706	8.706	(0.903)	24638	25.0000	23.041
70 1,2,3-Trichloropropane	110	8.694	8.694	(0.902)	45900	25.0000	25.742
71 Bromobenzene	156	8.658	8.658	(0.898)	143759	25.0000	25.542
72 n-Propylbenzene	120	8.765	8.765	(0.909)	148517	25.0000	25.450
73 2-Chlorotoluene	126	8.848	8.848	(0.918)	135255	25.0000	26.370
74 1,3,5-Trimethylbenzene	105	8.930	8.930	(0.926)	393745	25.0000	24.619
75 4-Chlorotoluene	126	8.954	8.954	(0.929)	138861	25.0000	25.988
76 tert-Butylbenzene	119	9.250	9.250	(0.959)	328631	25.0000	24.972
77 1,2,4-Trimethylbenzene	105	9.297	9.297	(0.964)	411246	25.0000	24.409
78 sec-Butylbenzene	105	9.463	9.463	(0.982)	457820	25.0000	24.667
79 4-Isopropyltoluene	119	9.605	9.605	(0.996)	375354	25.0000	24.429
80 1,3-Dichlorobenzene	146	9.569	9.569	(0.993)	236907	25.0000	25.038
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	260718	25.0000	25.356
82 n-Butylbenzene	91	10.007	10.007	(1.038)	359639	25.0000	23.482
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	252227	25.0000	26.043
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	25511	25.0000	25.535
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	146397	25.0000	24.587
86 Hexachlorobutadiene	225	11.794	11.794	(1.223)	51979	25.0000	25.324
87 Naphthalene	128	11.865	11.865	(1.231)	419482	25.0000	24.877
88 1,2,3-Trichlorobenzene	180	12.113	12.113	(1.257)	131600	25.0000	24.554
98 Cyclohexane	56	4.280	4.280	(0.900)	292440	25.0000	22.950
143 Methyl Acetate	43	2.718	2.718	(0.572)	294942	50.0000	46.352
144 Methylcyclohexane	83	5.239	5.239	(1.102)	267068	25.0000	23.077
141 1,3,5-Trichlorobenzene	180	11.013	11.013	(1.142)	159684	25.0000	24.614

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 05-MAR-2004 09:58
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-tert-Butyl Alcohol
-Hexane
Acrylonitrile+
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
-Ethyl Methacrylate
Toluene
trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
-1,2-Dichloroethene (total
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,3,5-Trichlorobenzene
propa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18705.D
Report Date: 05-Mar-2004 12:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18705.D
Lab Smp Id: 50NG-IC
Inj Date : 05-MAR-2004 09:58
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-IC
Misc Info : J40305A,8260LLUX11,2-8260.SUB,43582,1,4
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Meth Date : 05-Mar-2004 12:05 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.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: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1729269	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	1070709	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	377903	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.886)	385567	50.0000	50.545
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.943)	560143	50.0000	51.179
$ 6 Toluene-d8	98	6.102	6.102	(0.824)	1614714	50.0000	50.533
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.150)	362570	50.0000	48.878
8 Dichlorodifluoromethane	85	1.346	1.346	(0.283)	138537	50.0000	51.175
9 Chloromethane	50	1.452	1.452	(0.306)	281837	50.0000	41.854
10 Vinyl Chloride	62	1.535	1.535	(0.323)	294725	50.0000	47.650
11 Bromomethane	94	1.783	1.783	(0.375)	208743	50.0000	45.716
12 Chloroethane	64	1.866	1.866	(0.393)	221747	50.0000	47.950
13 Trichlorofluoromethane	101	2.055	2.055	(0.432)	468437	50.0000	47.478
15 Acrolein	56	2.339	2.339	(0.492)	559941	500.000	490.01
16 Acetone	43	2.458	2.458	(0.517)	467562	100.000	92.108
17 1,1-Dichloroethene	96	2.434	2.434	(0.512)	320248	50.0000	51.426
18 Freon-113	151	2.458	2.458	(0.517)	151091	50.0000	49.430

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040305A.D\UX018705.D
Report Date: 05-Mar-2004 12:05

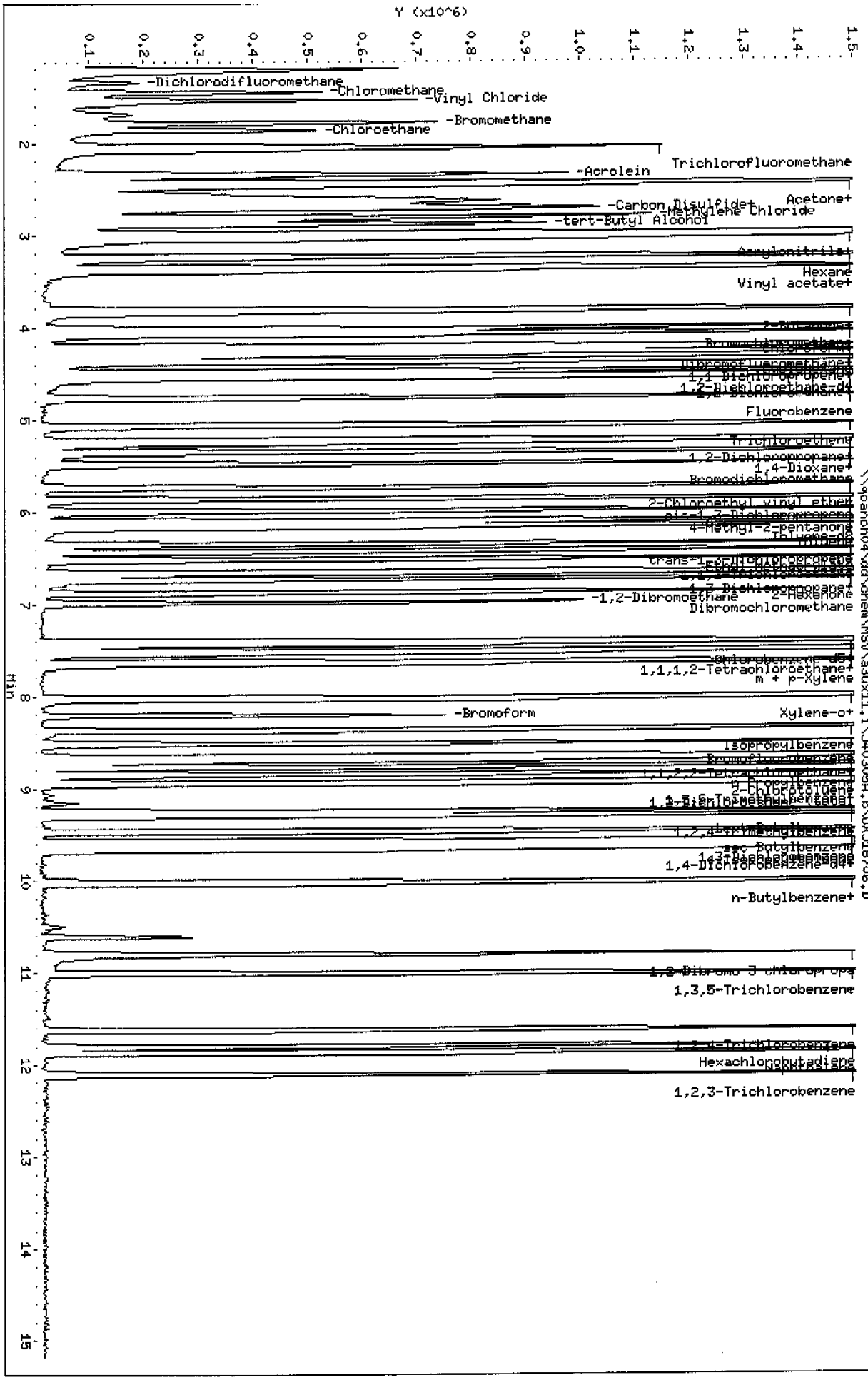
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.552	2.552	(0.537)	429946	50.0000	51.615
	20 Carbon Disulfide	76	2.623	2.623	(0.552)	1029433	50.0000	51.120
	21 Methylene Chloride	84	2.813	2.813	(0.592)	367609	50.0000	48.201
	22 Acetonitrile	41	2.683	2.683	(0.564)	465792	500.000	483.74
	23 Acrylonitrile	53	2.990	2.990	(0.629)	1649261	500.000	493.92
	24 Methyl tert-butyl ether	73	3.026	3.026	(0.637)	1337688	50.0000	52.212
	25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.637)	465270	50.0000	51.623
	26 Hexane	86	3.239	3.239	(0.681)	94566	50.0000	49.788
	27 Vinyl acetate	43	3.381	3.381	(0.711)	862552	50.0000	46.790
	28 1,1-Dichloroethane	63	3.357	3.357	(0.706)	831222	50.0000	49.823
	29 tert-Butyl Alcohol	59	2.884	2.884	(0.607)	438366	1000.00	842.26
	30 2-Butanone	43	3.819	3.819	(0.803)	567554	100.000	93.734
M	31 1,2-Dichloroethene (total)	96				933776	100.000	102.21
	32 cis-1,2-dichloroethene	96	3.819	3.819	(0.803)	468506	50.0000	50.590
	33 2,2-Dichloropropane	77	3.819	3.819	(0.803)	449923	50.0000	49.764
	34 Bromochloromethane	128	4.008	4.008	(0.843)	211323	50.0000	49.560
	35 Chloroform	83	4.079	4.079	(0.858)	790796	50.0000	49.876
	36 Tetrahydrofuran	42	4.055	4.055	(0.853)	132155	50.0000	43.594
	37 1,1,1-Trichloroethane	97	4.233	4.233	(0.890)	603903	50.0000	51.759
	38 1,1-Dichloropropene	75	4.363	4.363	(0.918)	651782	50.0000	51.519
	39 Carbon Tetrachloride	117	4.375	4.375	(0.920)	459780	50.0000	51.762
	40 1,2-Dichloroethane	62	4.540	4.540	(0.955)	748129	50.0000	51.177
	41 Benzene	78	4.529	4.529	(0.953)	1956770	50.0000	49.611
	42 Trichloroethene	130	5.073	5.073	(1.067)	454315	50.0000	49.770
	43 1,2-Dichloropropane	63	5.250	5.250	(1.105)	510265	50.0000	49.996
	44 1,4-Dioxane	88	5.357	5.357	(1.127)	169751	2500.00	2468.9(A)
	45 Dibromomethane	93	5.357	5.357	(1.127)	265407	50.0000	48.987
	46 Bromodichloromethane	83	5.487	5.487	(1.154)	592984	50.0000	51.350
	47 2-Chloroethyl vinyl ether	63	5.736	5.736	(1.207)	499391	100.000	101.13
	48 cis-1,3-Dichloropropene	75	5.866	5.866	(1.234)	739183	50.0000	51.212
	49 4-Methyl-2-pentanone	43	5.996	5.996	(1.261)	915824	100.000	96.109
	50 Toluene	91	6.161	6.161	(0.832)	2075283	50.0000	50.255
	51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.858)	639249	50.0000	50.687
	52 Ethyl Methacrylate	69	6.422	6.422	(0.867)	567343	50.0000	48.467
	53 1,1,2-Trichloroethane	97	6.516	6.516	(0.880)	356966	50.0000	48.980
	54 1,3-Dichloropropane	76	6.670	6.670	(0.901)	722420	50.0000	50.492
	55 Tetrachloroethene	164	6.658	6.658	(0.899)	310419	50.0000	50.260
	56 2-Hexanone	43	6.729	6.729	(0.909)	700415	100.000	85.935
	57 Dibromochloromethane	129	6.883	6.883	(0.930)	341244	50.0000	49.745
	58 1,2-Dibromoethane	107	6.978	6.978	(0.942)	340221	50.0000	50.173
	59 Chlorobenzene	112	7.439	7.439	(1.005)	1074107	50.0000	50.044
	60 1,1,1,2-Tetrachloroethane	131	7.510	7.510	(1.014)	331500	50.0000	50.553
	61 Ethylbenzene	106	7.534	7.534	(1.018)	577505	50.0000	50.853
	62 m + p-Xylene	106	7.641	7.641	(1.032)	1390296	100.000	101.58
M	63 Xylenes (total)	106				1987266	150.000	150.68
	64 Xylene-o	106	8.019	8.019	(1.083)	596970	50.0000	49.103
	65 Styrene	104	8.031	8.031	(1.085)	1032566	50.0000	50.642

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18705.D
Report Date: 05-Mar-2004 12:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.209	8.209	(1.109)	145685	50.0000	50.356
67 Isopropylbenzene	105	8.362	8.362	(1.129)	1248138	50.0000	50.479
68 1,1,2,2-Tetrachloroethane	83	8.646	8.646	(0.897)	287931	50.0000	47.941
69 1,4-Dichloro-2-butene	53	8.706	8.706	(0.903)	55974	50.0000	41.501
70 1,2,3-Trichloropropane	110	8.694	8.694	(0.902)	92514	50.0000	46.156
71 Bromobenzene	156	8.658	8.658	(0.898)	308933	50.0000	48.829
72 n-Propylbenzene	120	8.765	8.765	(0.909)	314123	50.0000	47.886
73 2-Chlorotoluene	126	8.848	8.848	(0.918)	280665	50.0000	48.680
74 1,3,5-Trimethylbenzene	105	8.930	8.930	(0.926)	919695	50.0000	51.157
75 4-Chlorotoluene	126	8.954	8.954	(0.929)	298089	50.0000	49.630
76 tert-Butylbenzene	119	9.250	9.250	(0.959)	734948	50.0000	49.682
77 1,2,4-Trimethylbenzene	105	9.297	9.297	(0.964)	943185	50.0000	49.803
78 sec-Butylbenzene	105	9.463	9.463	(0.982)	1041890	50.0000	49.940
79 4-Isopropyltoluene	119	9.605	9.605	(0.996)	866476	50.0000	50.167
80 1,3-Dichlorobenzene	146	9.569	9.569	(0.993)	517991	50.0000	48.701
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	550203	50.0000	47.603
82 n-Butylbenzene	91	10.007	10.007	(1.038)	879263	50.0000	51.072
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	535842	50.0000	49.220
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	55625	50.0000	49.532
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	327342	50.0000	48.907
86 Hexachlorobutadiene	225	11.794	11.794	(1.223)	111898	50.0000	48.498
87 Naphthalene	128	11.865	11.865	(1.231)	925169	50.0000	48.809
88 1,2,3-Trichlorobenzene	180	12.113	12.113	(1.257)	285701	50.0000	47.422
98 Cyclohexane	56	4.280	4.280	(0.900)	688996	50.0000	51.370
143 Methyl Acetate	43	2.718	2.718	(0.572)	628118	100.000	93.781
144 Methylcyclohexane	83	5.227	5.227	(1.100)	631090	50.0000	51.808
141 1,3,5-Trichlorobenzene	180	11.013	11.013	(1.142)	351959	50.0000	48.262

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UX18706.D
Date : 05-MAR-2004 10:21
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
Trichlorofluoromethane
-Acrolein
Acetone+
-Carbon Disulfide+
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
Hexane
Vinyl acetate+
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
Bromodichloromethane
2-Chloroethyl vinyl ether
4-Methyl-2-pentanone
trans-1,3-Dichloropropene
-1,2-Dibromoethane
2-Hexanone
Dibromochloromethane
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
n-Propylbenzene
2-Chlorotoluene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
1,3,5-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18706.D
Report Date: 05-Mar-2004 12:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18706.D
Lab Smp Id: 100NG-IC
Inj Date : 05-MAR-2004 10:21
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-IC
Misc Info : J40305A,8260LLUX11,2-8260.SUB,43582,1,5
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Meth Date : 05-Mar-2004 12:05 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.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: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1822166	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	1179838	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	403292	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.886)	832357	100.000	103.55
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.943)	1213191	100.000	105.20
$ 6 Toluene-d8	98	6.102	6.102	(0.824)	3515125	100.000	99.832
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.150)	826396	100.000	101.10
8 Dichlorodifluoromethane	85	1.345	1.345	(0.283)	279126	100.000	97.852
9 Chloromethane	50	1.452	1.452	(0.306)	637277	100.000	89.814
10 Vinyl Chloride	62	1.535	1.535	(0.323)	623198	100.000	95.620
11 Bromomethane	94	1.783	1.783	(0.375)	540377	100.000	102.95
12 Chloroethane	64	1.866	1.866	(0.393)	525661	100.000	107.87
13 Trichlorofluoromethane	101	2.055	2.055	(0.432)	1107852	100.000	106.56
15 Acrolein	56	2.339	2.339	(0.492)	1300157	1000.00	1079.8
16 Acetone	43	2.458	2.458	(0.517)	1167202	200.000	218.21(A)
17 1,1-Dichloroethene	96	2.434	2.434	(0.512)	638754	100.000	97.343
18 Freon-113	151	2.458	2.458	(0.517)	333694	100.000	103.60

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18706.D
Report Date: 05-Mar-2004 12:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.576	2.576	(0.542)	828442	100.000	94.384
	20 Carbon Disulfide	76	2.635	2.635	(0.554)	1996734	100.000	94.100
	21 Methylene Chloride	84	2.801	2.801	(0.589)	757637	100.000	94.277
	22 Acetonitrile	41	2.671	2.671	(0.562)	1077615	1000.00	1062.1
	23 Acrylonitrile	53	2.990	2.990	(0.629)	3903597	1000.00	1109.4
	24 Methyl tert-butyl ether	73	3.026	3.026	(0.637)	2877297	100.000	106.58
	25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.637)	1030649	100.000	108.52
	26 Hexane	86	3.239	3.239	(0.681)	227350	100.000	113.60
	27 Vinyl acetate	43	3.381	3.381	(0.711)	2121876	100.000	102.18
	28 1,1-Dichloroethane	63	3.357	3.357	(0.706)	1903913	100.000	108.30
	29 tert-Butyl Alcohol	59	2.884	2.884	(0.607)	1218011	2000.00	2102.4(A)
	30 2-Butanone	43	3.819	3.819	(0.803)	1491194	200.000	233.72(A)
M	31 1,2-Dichloroethene (total)	96				2077520	200.000	215.80
	32 cis-1,2-dichloroethene	96	3.819	3.819	(0.803)	1046871	100.000	107.28
	33 2,2-Dichloropropane	77	3.819	3.819	(0.803)	1013355	100.000	100.53
	34 Bromochloromethane	128	4.008	4.008	(0.843)	464637	100.000	103.41
	35 Chloroform	83	4.079	4.079	(0.858)	1750523	100.000	104.78
	36 Tetrahydrofuran	42	4.055	4.055	(0.853)	324983	100.000	104.20
	37 1,1,1-Trichloroethane	97	4.233	4.233	(0.890)	1323653	100.000	107.66
	38 1,1-Dichloropropene	75	4.363	4.363	(0.918)	1421424	100.000	106.62
	39 Carbon Tetrachloride	117	4.375	4.375	(0.920)	1025008	100.000	109.51
	40 1,2-Dichloroethane	62	4.540	4.540	(0.955)	1636909	100.000	106.27
	41 Benzene	78	4.529	4.529	(0.953)	4250236	100.000	102.26
	42 Trichloroethene	130	5.073	5.073	(1.067)	967793	100.000	100.62
	43 1,2-Dichloropropane	63	5.250	5.250	(1.105)	1090279	100.000	101.38
	44 1,4-Dioxane	88	5.357	5.357	(1.127)	384376	5000.00	5305.5(A)
	45 Dibromomethane	93	5.357	5.357	(1.127)	583044	100.000	102.13
	46 Bromodichloromethane	83	5.487	5.487	(1.154)	1279573	100.000	105.16
	47 2-Chloroethyl vinyl ether	63	5.736	5.736	(1.207)	1147486	200.000	220.52(A)
	48 cis-1,3-Dichloropropene	75	5.866	5.866	(1.234)	1583993	100.000	104.15
	49 4-Methyl-2-pentanone	43	5.996	5.996	(1.261)	2372222	200.000	236.26(A)
	50 Toluene	91	6.161	6.161	(0.832)	4504381	100.000	98.990
	51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.858)	1481589	100.000	106.61
	52 Ethyl Methacrylate	69	6.422	6.422	(0.867)	1370792	100.000	101.44
	53 1,1,2-Trichloroethane	97	6.516	6.516	(0.880)	804998	100.000	100.24
	54 1,3-Dichloropropane	76	6.670	6.670	(0.901)	1653066	100.000	104.85
	55 Tetrachloroethene	164	6.658	6.658	(0.899)	692292	100.000	101.72
	56 2-Hexanone	43	6.729	6.729	(0.909)	1936768	200.000	208.77(A)
	57 Dibromochloromethane	129	6.871	6.871	(0.928)	768611	100.000	101.68
	58 1,2-Dibromoethane	107	6.978	6.978	(0.942)	770611	100.000	103.13
	59 Chlorobenzene	112	7.439	7.439	(1.005)	2321895	100.000	98.175
	60 1,1,1,2-Tetrachloroethane	131	7.510	7.510	(1.014)	736604	100.000	101.94
	61 Ethylbenzene	106	7.534	7.534	(1.018)	1290859	100.000	103.15
	62 m + p-Xylene	106	7.641	7.641	(1.032)	3196630	200.000	211.95(A)
M	63 Xylenes (total)	106				4569402	300.000	314.42
	64 Xylene-o	106	8.019	8.019	(1.083)	1372772	100.000	102.47
	65 Styrene	104	8.031	8.031	(1.085)	2395562	100.000	106.62

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18706.D
Report Date: 05-Mar-2004 12:05

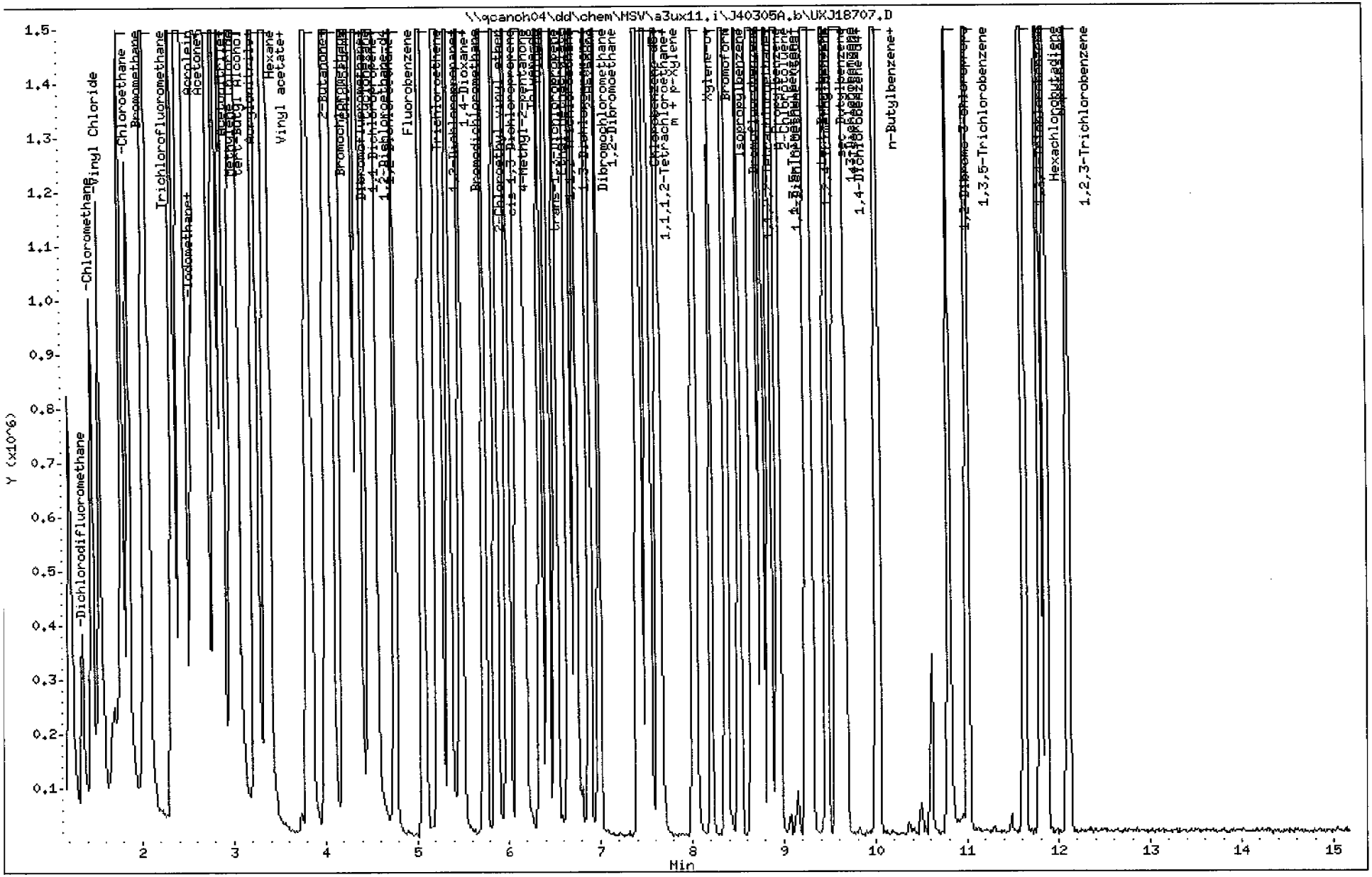
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.209	8.209	(1.109)	348096	100.000	109.19
67 Isopropylbenzene	105	8.362	8.362	(1.129)	2868620	100.000	105.28
68 1,1,2,2-Tetrachloroethane	83	8.646	8.646	(0.897)	690471	100.000	107.73
69 1,4-Dichloro-2-butene	53	8.706	8.706	(0.903)	161138	100.000	105.44
70 1,2,3-Trichloropropane	110	8.694	8.694	(0.902)	222173	100.000	103.87
71 Bromobenzene	156	8.658	8.658	(0.898)	684891	100.000	101.44
72 n-Propylbenzene	120	8.765	8.765	(0.909)	697597	100.000	99.650
73 2-Chlorotoluene	126	8.848	8.848	(0.918)	612925	100.000	99.617
74 1,3,5-Trimethylbenzene	105	8.930	8.930	(0.926)	1999315	100.000	104.21
75 4-Chlorotoluene	126	8.954	8.954	(0.929)	654040	100.000	102.04
76 tert-Butylbenzene	119	9.250	9.250	(0.959)	1589898	100.000	100.71
77 1,2,4-Trimethylbenzene	105	9.297	9.297	(0.964)	2083415	100.000	103.08
78 sec-Butylbenzene	105	9.463	9.463	(0.982)	2243365	100.000	100.76
79 4-Isopropyltoluene	119	9.605	9.605	(0.996)	1888796	100.000	102.47
80 1,3-Dichlorobenzene	146	9.581	9.581	(0.994)	1102483	100.000	97.129
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	1188182	100.000	96.330
82 n-Butylbenzene	91	10.007	10.007	(1.038)	1915828	100.000	104.28
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	1135788	100.000	97.761
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	124049	100.000	103.51
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	702243	100.000	98.315
86 Hexachlorobutadiene	225	11.794	11.794	(1.223)	257226	100.000	104.47
87 Naphthalene	128	11.865	11.865	(1.231)	2110609	100.000	104.34
88 1,2,3-Trichlorobenzene	180	12.113	12.113	(1.257)	657409	100.000	102.25
98 Cyclohexane	56	4.280	4.280	(0.900)	1535975	100.000	108.68
143 Methyl Acetate	43	2.718	2.718	(0.572)	1577815	200.000	223.56
144 Methylcyclohexane	83	5.239	5.239	(1.102)	1392804	100.000	108.51
141 1,3,5-Trichlorobenzene	180	11.013	11.013	(1.142)	735907	100.000	94.558

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18707.D
Date : 05-MAR-2004 10:45
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18707.D
Report Date: 05-Mar-2004 12:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18707.D
Lab Smp Id: 200NG-IC
Inj Date : 05-MAR-2004 10:45
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-IC
Misc Info : J40305A,8260LLUX11,2-8260.SUB,43582,1,6
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Meth Date : 05-Mar-2004 12:06 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.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: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1991811	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	1203551	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	465804	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.885)	1890561	200.000	215.17(A)
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.943)	2668598	200.000	211.68(A)
$ 6 Toluene-d8	98	6.102	6.102	(0.824)	7825500	200.000	217.87(A)
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.150)	1807481	200.000	216.77(A)
8 Dichlorodifluoromethane	85	1.345	1.345	(0.283)	593488	200.000	190.34
9 Chloromethane	50	1.452	1.452	(0.306)	1225121	200.000	157.95
10 Vinyl Chloride	62	1.535	1.535	(0.323)	1194075	200.000	167.61
11 Bromomethane	94	1.783	1.783	(0.375)	1277687	200.000	199.53
12 Chloroethane	64	1.854	1.854	(0.390)	1256058	200.000	235.81(A)
13 Trichlorofluoromethane	101	2.044	2.044	(0.430)	2648529	200.000	233.06(A)
15 Acrolein	56	2.339	2.339	(0.492)	3060533	2000.00	2325.2(A)
16 Acetone	43	2.458	2.458	(0.517)	2617162	400.000	447.62(A)
17 1,1-Dichloroethene	96	2.434	2.434	(0.512)	1673820	200.000	233.36(A)
18 Freon-113	151	2.458	2.458	(0.517)	817176	200.000	232.10(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18707.D
Report Date: 05-Mar-2004 12:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.552	2.552	(0.537)	2035341	200.000	212.14(A)
	20 Carbon Disulfide	76	2.623	2.623	(0.552)	4908314	200.000	211.61(A)
	21 Methylene Chloride	84	2.801	2.801	(0.589)	1782827	200.000	202.95(A)
	22 Acetonitrile	41	2.671	2.671	(0.562)	2313899	2000.00	2086.3(A)
	23 Acrylonitrile	53	2.990	2.990	(0.629)	8636922	2000.00	2245.6(A)
	24 Methyl tert-butyl ether	73	3.026	3.026	(0.637)	6291555	200.000	213.20(A)
	25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.637)	2356087	200.000	226.96(A)
	26 Hexane	86	3.239	3.239	(0.681)	521996	200.000	238.60(A)
	27 Vinyl acetate	43	3.381	3.381	(0.711)	4887156	200.000	199.65
	28 1,1-Dichloroethane	63	3.357	3.357	(0.706)	4389070	200.000	228.40(A)
	29 tert-Butyl Alcohol	59	2.884	2.884	(0.607)	2491128	4000.00	3977.4(A)
	30 2-Butanone	43	3.819	3.819	(0.803)	3093054	400.000	443.50(A)
M	31 1,2-Dichloroethene (total)	96				4742527	400.000	450.68
	32 cis-1,2-dichloroethene	96	3.819	3.819	(0.803)	2386440	200.000	223.73(A)
	33 2,2-Dichloropropane	77	3.819	3.819	(0.803)	2410271	200.000	199.91
	34 Bromochloromethane	128	4.008	4.008	(0.843)	1031072	200.000	209.94(A)
	35 Chloroform	83	4.079	4.079	(0.858)	4018516	200.000	220.04(A)
	36 Tetrahydrofuran	42	4.055	4.055	(0.853)	660641	200.000	199.13
	37 1,1,1-Trichloroethane	97	4.233	4.233	(0.890)	3034160	200.000	225.77(A)
	38 1,1-Dichloropropene	75	4.363	4.363	(0.918)	3319404	200.000	227.79(A)
	39 Carbon Tetrachloride	117	4.375	4.375	(0.920)	2485300	200.000	242.91(A)
	40 1,2-Dichloroethane	62	4.540	4.540	(0.955)	3613358	200.000	214.60(A)
	41 Benzene	78	4.528	4.528	(0.953)	9393977	200.000	206.78(A)
	42 Trichloroethene	130	5.061	5.061	(1.065)	2184218	200.000	207.74(A)
	43 1,2-Dichloropropane	63	5.250	5.250	(1.105)	2460345	200.000	209.29(A)
	44 1,4-Dioxane	88	5.357	5.357	(1.127)	801501	10000.0	10121(A)
	45 Dibromomethane	93	5.357	5.357	(1.127)	1302052	200.000	208.65(A)
	46 Bromodichloromethane	83	5.487	5.487	(1.154)	2827611	200.000	212.59(A)
	47 2-Chloroethyl vinyl ether	63	5.735	5.735	(1.207)	2600265	400.000	457.15(A)
	48 cis-1,3-Dichloropropene	75	5.866	5.866	(1.234)	3646579	200.000	219.34(A)
	49 4-Methyl-2-pentanone	43	5.996	5.996	(1.261)	4703712	400.000	428.55(A)
	50 Toluene	91	6.161	6.161	(0.832)	10060603	200.000	216.74(A)
	51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.858)	3319467	200.000	234.15(A)
	52 Ethyl Methacrylate	69	6.422	6.422	(0.867)	2878112	200.000	199.75
	53 1,1,2-Trichloroethane	97	6.516	6.516	(0.880)	1663238	200.000	203.03(A)
	54 1,3-Dichloropropane	76	6.670	6.670	(0.901)	3508178	200.000	218.14(A)
	55 Tetrachloroethene	164	6.658	6.658	(0.899)	1530081	200.000	220.39(A)
	56 2-Hexanone	43	6.729	6.729	(0.909)	3684639	400.000	398.12(A)
	57 Dibromochloromethane	129	6.883	6.883	(0.930)	1646664	200.000	213.55(A)
	58 1,2-Dibromoethane	107	6.978	6.978	(0.942)	1562102	200.000	204.94(A)
	59 Chlorobenzene	112	7.439	7.439	(1.005)	4750173	200.000	196.89
	60 1,1,1,2-Tetrachloroethane	131	7.510	7.510	(1.014)	1576183	200.000	213.83(A)
	61 Ethylbenzene	106	7.534	7.534	(1.018)	2637395	200.000	206.60(A)
	62 m + p-Xylene	106	7.641	7.641	(1.032)	6554937	400.000	426.06(A)
M	63 Xylenes (total)	106				9392275	600.000	633.68
	64 Xylene-o	106	8.019	8.019	(1.083)	2837338	200.000	207.62(A)
	65 Styrene	104	8.031	8.031	(1.085)	4928043	200.000	215.02(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040305A.D\0X018707.D
Report Date: 05-Mar-2004 12:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.209	8.209	(1.109)	724116	200.000	222.66(A)
67 Isopropylbenzene	105	8.362	8.362	(1.129)	5944058	200.000	213.86(A)
68 1,1,2,2-Tetrachloroethane	83	8.646	8.646	(0.897)	1412622	200.000	190.82
69 1,4-Dichloro-2-butene	53	8.706	8.706	(0.903)	348254	200.000	198.79
70 1,2,3-Trichloropropane	110	8.694	8.694	(0.902)	430369	200.000	174.20
71 Bromobenzene	156	8.658	8.658	(0.898)	1424186	200.000	182.62
72 n-Propylbenzene	120	8.765	8.765	(0.909)	1545434	200.000	191.13
73 2-Chlorotoluene	126	8.847	8.847	(0.918)	1313941	200.000	184.89
74 1,3,5-Trimethylbenzene	105	8.930	8.930	(0.926)	4636943	200.000	209.25(A)
75 4-Chlorotoluene	126	8.954	8.954	(0.929)	1417426	200.000	191.46
76 tert-Butylbenzene	119	9.250	9.250	(0.959)	3702351	200.000	203.04(A)
77 1,2,4-Trimethylbenzene	105	9.297	9.297	(0.964)	4901523	200.000	209.97(A)
78 sec-Butylbenzene	105	9.463	9.463	(0.982)	5403303	200.000	210.12(A)
79 4-Isopropyltoluene	119	9.605	9.605	(0.996)	4546105	200.000	213.54(A)
80 1,3-Dichlorobenzene	146	9.569	9.569	(0.993)	2632170	200.000	200.77(A)
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	2706949	200.000	190.01
82 n-Butylbenzene	91	10.007	10.007	(1.038)	4682237	200.000	220.65(A)
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	2662149	200.000	198.39
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	255203	200.000	184.36
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	1544847	200.000	187.25
86 Hexachlorobutadiene	225	11.806	11.806	(1.225)	553643	200.000	194.67
87 Naphthalene	128	11.865	11.865	(1.231)	4383997	200.000	187.64
88 1,2,3-Trichlorobenzene	180	12.113	12.113	(1.257)	1350176	200.000	181.82
98 Cyclohexane	56	4.280	4.280	(0.900)	3586582	200.000	232.16(A)
143 Methyl Acetate	43	2.718	2.718	(0.572)	3441149	400.000	446.06
144 Methylcyclohexane	83	5.227	5.227	(1.100)	3236863	200.000	230.70
141 1,3,5-Trichlorobenzene	180	11.013	11.013	(1.142)	1684136	200.000	187.36

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18708.D
Report Date: 05-Mar-2004 12:09

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Misc Info: J40305A,8260LLUX11,2-8260.SUB,43582,3

Client SDG: SDGa00515
Fraction: VOA

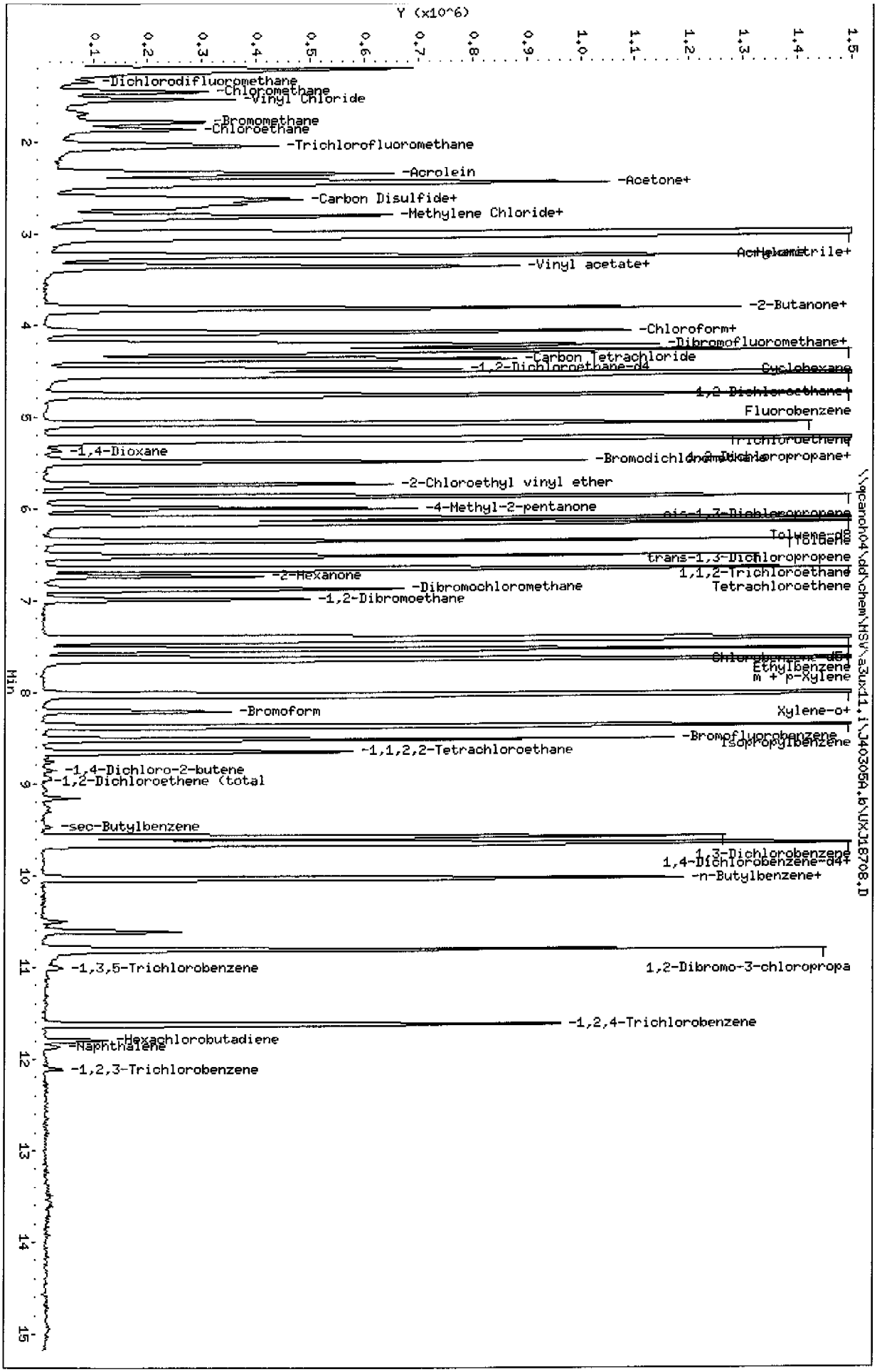
Operator: 43582
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	10.730	107.30	45-155
	42 Trichloroethene	10.000	9.790	97.90	45-155
	59 Chlorobenzene	10.000	9.670	96.70	45-155
	50 Toluene	10.000	9.861	98.61	45-155
	41 Benzene	10.000	9.989	99.89	45-155
	16 Acetone	10.000	7.321	73.21	45-155
	20 Carbon Disulfide	10.000	10.393	103.93	45-155
	9 Chloromethane	10.000	9.873	98.73	45-155
	11 Bromomethane	10.000	8.813	88.13	45-155
	10 Vinyl Chloride	10.000	11.075	110.75	45-155
	12 Chloroethane	10.000	9.816	98.16	45-155
	21 Methylene Chloride	10.000	10.045	100.45	45-155
	28 1,1-Dichloroethane	10.000	10.468	104.68	45-155
M	31 1,2-Dichloroethene	20.000	20.830	104.15	45-155
	35 Chloroform	10.000	10.274	102.74	45-155
	40 1,2-Dichloroethane	10.000	10.142	101.42	45-155
	30 2-Butanone	10.000	7.389	73.89	45-155
	37 1,1,1-Trichloroeth	10.000	10.716	107.16	45-155
	39 Carbon Tetrachlori	10.000	10.418	104.18	45-155
	46 Bromodichlorometha	10.000	10.079	100.79	45-155
	43 1,2-Dichloropropan	10.000	9.994	99.94	45-155
	48 cis-1,3-Dichloropr	10.000	10.352	103.52	45-155
	57 Dibromochlorometha	10.000	9.302	93.02	45-155
	53 1,1,2-Trichloroeth	10.000	9.406	94.06	45-155
	51 trans-1,3-Dichloro	10.000	9.697	96.97	45-155
	66 Bromoform	10.000	10.063	100.63	45-155
	49 4-Methyl-2-pentano	10.000	9.462	94.62	45-155
	56 2-Hexanone	10.000	7.772	77.72	45-155
	55 Tetrachloroethene	10.000	9.942	99.42	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.980	99.80	45-155
	61 Ethylbenzene	10.000	10.132	101.32	45-155
	65 Styrene	10.000	10.209	102.09	45-155
M	63 Xylenes (total)	30.000	30.811	102.70	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18708.D
Report Date: 05-Mar-2004 12:09

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
32 cis-1,2-dichloroet	10.000	10.274	102.74	45-155
25 trans-1,2-Dichloro	10.000	10.556	105.56	45-155
8 Dichlorodifluorome	10.000	6.292	62.92	45-155
13 Trichlorofluoromet	10.000	9.870	98.70	45-155
18 Freon-113	10.000	12.444	124.44	45-155
24 Methyl tert-butyl	10.000	9.470	94.70	45-155
58 1,2-Dibromoethane	10.000	9.673	96.73	45-155
67 Isopropylbenzene	10.000	11.053	110.53	45-155
80 1,3-Dichlorobenzen	10.000	9.749	97.49	45-155
81 1,4-Dichlorobenzen	10.000	9.622	96.22	45-155
83 1,2-Dichlorobenzen	10.000	9.466	94.66	45-155
84 1,2-Dibromo-3-chlo	10.000	10.344	103.44	45-155
85 1,2,4-Trichloroben	10.000	9.975	99.75	45-155
98 Cyclohexane	10.000	10.982	109.82	45-155
143 Methyl Acetate	10.000	10.385	103.85	45-155
144 Methylcyclohexane	10.000	10.626	106.26	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.442	94.42	73-122
$ 5 1,2-Dichloroethane	10.000	9.654	96.54	61-128
$ 6 Toluene-d8	10.000	9.178	91.78	76-110
$ 7 Bromofluorobenzene	10.000	9.601	96.01	74-116


Data File: \\qcanon04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18708.D
Date : 05-MAR-2004 11:08
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
Acrylonitrile+
-Vinyl acetate+
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
Toluene
trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
Tetrachloroethene
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,4-Dichloro-2-butene
-1,2-Dichloroethene (total
-sec-Butylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,3,5-Trichlorobenzene
1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18708.D
Report Date: 05-Mar-2004 12:09

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18708.D
Lab Smp Id: ICV
Inj Date : 05-MAR-2004 11:08
Operator : 43582 Inst ID: a3ux11.i
Smp Info : ICV
Misc Info : J40305A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40305A.b\8260LLUX11.m
Meth Date : 05-Mar-2004 12:06 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.753	4.753	(1.000)	1928403	50.0000	
* 2 Chlorobenzene-d5	117	7.404	7.404	(1.000)	1215303	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	386617	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.886)	401577	47.2075	9.442
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.943)	589118	48.2682	9.654
$ 6 Toluene-d8	98	6.102	6.102	(0.824)	1664329	45.8888	9.178
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.150)	404200	48.0073	9.601
8 Dichlorodifluoromethane	85	1.345	1.345	(0.283)	94972	31.4598	6.292
9 Chloromethane	50	1.452	1.452	(0.306)	370683	49.3635	9.873
10 Vinyl Chloride	62	1.535	1.535	(0.323)	381955	55.3768	11.075
11 Bromomethane	94	1.783	1.783	(0.375)	223449	44.0645	8.813
12 Chloroethane	64	1.866	1.854	(0.393)	253101	49.0783	9.816
13 Trichlorofluoromethane	101	2.055	2.044	(0.432)	542971	49.3499	9.870
15 Acrolein	56	2.351	2.339	(0.495)	888857	697.520	139.50
16 Acetone	43	2.458	2.458	(0.517)	207215	36.6055	7.321
17 1,1-Dichloroethene	96	2.434	2.434	(0.512)	372574	53.6507	10.730
18 Freon-113	151	2.458	2.458	(0.517)	212083	62.2188	12.444
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18708.D
Report Date: 05-Mar-2004 12:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.623	2.623	(0.552)	1166914	51.9636	10.393
	21 Methylene Chloride	84	2.801	2.801	(0.589)	427150	50.2247	10.045
	22 Acetonitrile	41	2.683	2.671	(0.564)	535458	498.672	99.734
	23 Acrylonitrile	53	2.990	2.990	(0.629)	1983531	532.682	106.54
	24 Methyl tert-butyl ether	73	3.026	3.026	(0.637)	1352880	47.3523	9.470
	25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.637)	530452	52.7775	10.556
	26 Hexane	86	3.239	3.239	(0.681)	124340	58.7040	11.741
	27 Vinyl acetate	43	3.357	3.381	(0.706)	5660	3.28478	0.6570
	28 1,1-Dichloroethane	63	3.357	3.357	(0.706)	973756	52.3390	10.468
	29 tert-Butyl Alcohol	59	2.872	2.884	(0.604)	21602	135.740	27.148
	30 2-Butanone	43	3.818	3.819	(0.803)	249474	36.9470	7.389
M	31 1,2-Dichloroethene (total)	96				1060974	104.149	20.830
	32 cis-1,2-dichloroethene	96	3.818	3.819	(0.803)	530522	51.3715	10.274
	33 2,2-Dichloropropane	77	3.795	3.819	(0.798)	440	2.19930	0.4398
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.079	4.079	(0.858)	908240	51.3682	10.274
	36 Tetrahydrofuran	42	4.067	4.055	(0.856)	17358	4.59518	0.9190
	37 1,1,1-Trichloroethane	97	4.233	4.233	(0.890)	697105	53.5776	10.716
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.375	4.375	(0.920)	515988	52.0911	10.418
	40 1,2-Dichloroethane	62	4.540	4.540	(0.955)	826669	50.7098	10.142
	41 Benzene	78	4.540	4.528	(0.955)	2196808	49.9458	9.989
	42 Trichloroethene	130	5.073	5.061	(1.067)	498276	48.9488	9.790
	43 1,2-Dichloropropane	63	5.250	5.250	(1.105)	568728	49.9704	9.994
	44 1,4-Dioxane	88	5.369	5.357	(1.129)	14978	195.350	39.070
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.487	5.487	(1.154)	648946	50.3936	10.079
	47 2-Chloroethyl vinyl ether	63	5.735	5.735	(1.207)	276574	50.2232	10.045
	48 cis-1,3-Dichloropropene	75	5.866	5.866	(1.234)	833123	51.7596	10.352
	49 4-Methyl-2-pentanone	43	5.996	5.996	(1.261)	502754	47.3120	9.462
	50 Toluene	91	6.161	6.161	(0.832)	2311025	49.3057	9.861
	51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.858)	694072	48.4861	9.697
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.516	6.516	(0.880)	389036	47.0295	9.406
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.658	6.658	(0.899)	348478	49.7096	9.942
	56 2-Hexanone	43	6.729	6.729	(0.909)	315281	38.8581	7.772
	57 Dibromochloromethane	129	6.871	6.883	(0.928)	362136	46.5097	9.302
	58 1,2-Dibromoethane	107	6.990	6.978	(0.944)	372240	48.3640	9.673
	59 Chlorobenzene	112	7.439	7.439	(1.005)	1177866	48.3494	9.670
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.534	7.534	(1.018)	652994	50.6588	10.132
	62 m + p-Xylene	106	7.641	7.641	(1.032)	1604543	103.284	20.657
M	63 Xylenes (total)	106				2305147	154.055	30.811
	64 Xylene-o	106	8.019	8.019	(1.083)	700604	50.7713	10.154
	65 Styrene	104	8.031	8.031	(1.085)	1181391	51.0470	10.209
	66 Bromoform	173	8.209	8.209	(1.109)	165228	50.3161	10.063

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\UXJ18708.D
Report Date: 05-Mar-2004 12:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.362	8.362	(1.129)	1550999	55.2645	11.053
68 1,1,2,2-Tetrachloroethane	83	8.646	8.646	(0.897)	306606	49.8997	9.980
69 1,4-Dichloro-2-butene	53	8.847	8.706	(0.918)	699	5.65116	1.130
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	9.463	9.463	(0.982)	11051	0.51776	0.1036
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.569	9.569	(0.993)	530432	48.7468	9.749
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	568879	48.1100	9.622
82 n-Butylbenzene	91	10.007	10.007	(1.038)	16609	0.94300	0.1886
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	527135	47.3290	9.466
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	59420	51.7186	10.344
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	341529	49.8767	9.975
86 Hexachlorobutadiene	225	11.806	11.806	(1.225)	20204	8.55928	1.712
87 Naphthalene	128	11.865	11.865	(1.231)	24531	1.26502	0.2530
88 1,2,3-Trichlorobenzene	180	12.113	12.113	(1.257)	12716	2.06311	0.4126
98 Cyclohexane	56	4.280	4.280	(0.900)	821264	54.9090	10.982
143 Methyl Acetate	43	2.718	2.718	(0.572)	387837	51.9262	10.385
144 Methylcyclohexane	83	5.238	5.227	(1.102)	721729	53.1302	10.626
141 1,3,5-Trichlorobenzene	180	11.013	11.013	(1.142)	8936	1.19773	0.2395

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m
Start Cal Date: 02-MAR-2004 09:22
End Cal Date : 05-MAR-2004 10:45
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
02-MAR-2004 22:08	3-IX	UXJ18636.D
05-MAR-2004 08:40	2-8260	UXJ18702.D
Cal Level: 2 , Cal Amount: 10.000		
02-MAR-2004 22:31	3-IX	UXJ18637.D
05-MAR-2004 09:12	2-8260	UXJ18703.D
Cal Level: 3 , Cal Amount: 25.000		
02-MAR-2004 22:55	3-IX	UXJ18638.D
05-MAR-2004 09:35	2-8260	UXJ18704.D
Cal Level: 4 , Cal Amount: 50.000		
02-MAR-2004 23:18	3-IX	UXJ18639.D
05-MAR-2004 09:58	2-8260	UXJ18705.D
Cal Level: 5 , Cal Amount: 100.00		
02-MAR-2004 23:42	3-IX	UXJ18640.D
05-MAR-2004 10:21	2-8260	UXJ18706.D
Cal Level: 6 , Cal Amount: 200.00		
03-MAR-2004 00:05	3-IX	UXJ18641.D
05-MAR-2004 10:45	2-8260	UXJ18707.D

Continuing Calibration

07-APR-2004 21:51	3-IX	UXJ19628.D
07-APR-2004 21:27	2-8260	UXJ19627.D

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19627.D
Report Date: 07-Apr-2004 21:37

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ19627.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m

Injection Date: 07-APR-2004 21:27
Init. Cal. Date(s): 02-MAR-2004 05-MAR-2004
Init. Cal. Times: 09:22 10:45
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.22056	0.22033	0.010	-0.1	50.0	
$	5 1,2-Dichloroethane-d4	0.31646	0.30496	0.010	-3.6	50.0	
$	6 Toluene-d8	1.49217	1.37609	0.010	-7.8	50.0	
$	7 Bromofluorobenzene	0.34640	0.33532	0.010	-3.2	50.0	
	8 Dichlorodifluoromethane	0.07827	0.11812	0.010	50.9	50.0	<-
	9 Chloromethane	0.19470	0.21654	0.100	11.2	50.0	
	10 Vinyl Chloride	0.17884	0.18985	0.010	6.2	20.0	
	11 Bromomethane	50.00000	40.31739	0.010	19.4	50.0	
	12 Chloroethane	0.13371	0.11982	0.010	-10.4	50.0	
	13 Trichlorofluoromethane	0.28527	0.25707	0.010	-9.9	50.0	
	15 Acrolein	0.03304	0.03379	0.010	2.3	50.0	
	16 Acetone	0.14677	0.15000	0.010	2.2	50.0	
	17 1,1-Dichloroethene	0.18006	0.19290	0.010	7.1	20.0	
	18 Freon-113	0.08838	0.09201	0.010	4.1	50.0	
	19 Iodomethane	0.24085	0.26367	0.010	9.5	50.0	
	20 Carbon Disulfide	0.58225	0.62303	0.010	7.0	50.0	
	21 Methylene Chloride	0.22051	0.23625	0.010	7.1	50.0	
	22 Acetonitrile	0.02784	0.03185	0.010	14.4	50.0	
	23 Acrylonitrile	0.09655	0.10229	0.010	5.9	50.0	
	24 Methyl tert-butyl ether	0.74078	0.63481	0.010	-14.3	50.0	
	25 trans-1,2-Dichloroethene	0.26060	0.26232	0.010	0.7	50.0	
	26 Hexane	0.05492	0.04591	0.010	-16.4	20.0	
	27 Vinyl acetate	50.00000	35.54738	0.010	28.9	50.0	
	28 1,1-Dichloroethane	0.48239	0.48274	0.100	0.1	50.0	
	29 tert-Butyl Alcohol	1000	822	0.010	17.8	50.0	
	30 2-Butanone	0.17507	0.16713	0.010	-4.5	50.0	
M	31 1,2-Dichloroethene (total)	0.26418	0.26241	0.010	-0.7	50.0	
	32 cis-1,2-dichloroethene	0.26776	0.26250	0.010	-2.0	50.0	
	33 2,2-Dichloropropane	50.00000	41.15016	0.010	17.7	50.0	
	34 Bromochloromethane	0.12329	0.12404	0.010	0.6	50.0	
	35 Chloroform	0.45844	0.44970	0.010	-1.9	20.0	
	36 Tetrahydrofuran	50.00000	39.07957	0.010	21.8	50.0	
	37 1,1,1-Trichloroethane	0.33735	0.32714	0.010	-3.0	50.0	
	38 1,1-Dichloropropene	0.36580	0.34618	0.010	-5.4	50.0	
	39 Carbon Tetrachloride	0.25683	0.27997	0.010	9.0	50.0	
	40 1,2-Dichloroethane	0.42268	0.37354	0.010	-11.6	50.0	

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19627.D
Report Date: 07-Apr-2004 21:37

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ19627.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m

Injection Date: 07-APR-2004 21:27
Init. Cal. Date(s): 02-MAR-2004 05-MAR-2004
Init. Cal. Times: 09:22 10:45
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.14042	1.08881	0.010	-4.5	50.0	
	42 Trichloroethene	0.26394	0.25390	0.010	-3.8	50.0	
	43 1,2-Dichloropropane	0.29510	0.26992	0.010	-8.5	20.0	
	44 1,4-Dioxane	0.00199	0.00170	0.010	-14.5	50.0	<-
	45 Dibromomethane	0.15665	0.14552	0.010	-7.1	50.0	
	46 Bromodichloromethane	0.33389	0.31967	0.010	-4.3	50.0	
	47 2-Chloroethyl vinyl ether	0.14278	0.16058	0.010	12.5	50.0	
	48 cis-1,3-Dichloropropene	0.41734	0.37956	0.010	-9.1	50.0	
	49 4-Methyl-2-pentanone	0.27552	0.25017	0.010	-9.2	50.0	
	50 Toluene	1.92838	1.69526	0.010	-12.1	20.0	
	51 trans-1,3-Dichloropropene	0.58894	0.50282	0.010	-14.6	50.0	
	52 Ethyl Methacrylate	50.00000	40.75684	0.010	18.5	50.0	
	53 1,1,2-Trichloroethane	0.34033	0.31885	0.010	-6.3	50.0	
	54 1,3-Dichloropropane	0.66813	0.60573	0.010	-9.3	50.0	
	55 Tetrachloroethene	0.28842	0.26506	0.010	-8.1	50.0	
	56 2-Hexanone	100	81.55364	0.010	18.4	50.0	
	57 Dibromochloromethane	0.32034	0.32721	0.010	2.1	50.0	
	58 1,2-Dibromoethane	0.31665	0.29614	0.010	-6.5	50.0	
	59 Chlorobenzene	1.00228	0.92650	0.300	-7.6	50.0	
	60 1,1,1,2-Tetrachloroethane	0.30622	0.31196	0.010	1.9	50.0	
	61 Ethylbenzene	0.53032	0.48316	0.010	-8.9	20.0	
	62 m + p-Xylene	0.63915	0.57003	0.010	-10.8	50.0	
M	63 Xylenes (total)	0.61535	0.55132	0.010	-10.4	50.0	
	64 Xylene-o	0.56773	0.51389	0.010	-9.5	50.0	
	65 Styrene	0.95216	0.90292	0.010	-5.2	50.0	
	66 Bromoform	0.13510	0.15298	0.100	13.2	50.0	
	67 Isopropylbenzene	1.15465	1.05486	0.010	-8.6	50.0	
	68 1,1,2,2-Tetrachloroethane	0.79464	0.80648	0.300	1.5	50.0	
	69 1,4-Dichloro-2-butene	50.00000	52.85737	0.010	-5.7	50.0	
	70 1,2,3-Trichloropropane	0.26520	0.26304	0.010	-0.8	50.0	
	71 Bromobenzene	0.83709	0.84415	0.010	0.8	50.0	
	72 n-Propylbenzene	0.86792	0.80313	0.010	-7.5	50.0	
	73 2-Chlorotoluene	0.76282	0.76489	0.010	0.3	50.0	
	74 1,3,5-Trimethylbenzene	2.37865	2.21556	0.010	-6.9	50.0	
	75 4-Chlorotoluene	0.79467	0.76922	0.010	-3.2	50.0	
	76 tert-Butylbenzene	1.95727	1.73103	0.010	-11.6	50.0	

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19627.D
Report Date: 07-Apr-2004 21:37

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ19627.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Injection Date: 07-APR-2004 21:27
Init. Cal. Date(s): 02-MAR-2004 05-MAR-2004
Init. Cal. Times: 09:22 10:45
Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.50573	2.24897	0.010	-10.2	50.0
78 sec-Butylbenzene	2.76031	2.31561	0.010	-16.1	50.0
79 4-Isopropyltoluene	2.28521	1.87695	0.010	-17.9	50.0
80 1,3-Dichlorobenzene	1.40725	1.30095	0.010	-7.6	50.0
81 1,4-Dichlorobenzene	1.52923	1.37679	0.010	-10.0	50.0
82 n-Butylbenzene	2.27783	1.66024	0.010	-27.1	50.0
83 1,2-Dichlorobenzene	1.44040	1.28882	0.010	-10.5	50.0
84 1,2-Dibromo-3-chloropropane	0.14859	0.12270	0.010	-17.4	50.0
85 1,2,4-Trichlorobenzene	0.88556	0.60043	0.010	-32.2	50.0
86 Hexachlorobutadiene	0.30527	0.22410	0.010	-26.6	50.0
87 Naphthalene	2.50789	1.52310	0.010	-39.3	50.0
88 1,2,3-Trichlorobenzene	0.79711	0.49489	0.010	-37.9	50.0
98 Cyclohexane	0.38780	0.35359	0.010	-8.8	50.0
143 Methyl Acetate	0.19366	0.21104	0.010	9.0	50.0
144 Methylcyclohexane	0.35221	0.30485	0.010	-13.4	50.0
141 1,3,5-Trichlorobenzene	0.96488	0.71041	0.010	-26.4	50.0

Report Date: 04/07/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ19627.D
Analysis Type: WATER

Injection Date: 07-APR-2004 21:27
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0 Chlorobenzene	50.0000	46.2196	7.6	50.0	
0 Bromodichloromethane	50.0000	47.8709	4.3	50.0	
0 1,1,2,2-Tetrachloroethane	50.0000	50.7450	1.5	50.0	
0 Bromoform	50.0000	56.6168	13.2	50.0	
0 Styrene	50.0000	47.4144	5.2	50.0	
0 Xylene-o	50.0000	45.2589	9.5	50.0	
0 Xylenes (total)	150.0000	134.4440	10.4	50.0	
0 2-Hexanone	100.0000	81.5536	18.4	50.0	
0 Chloromethane	50.0000	55.6085	11.2	50.0	
0 Vinyl Chloride	50.0000	53.0801	6.2	20.0	
0 Bromomethane	50.0000	40.3174	19.4	50.0	
0 Chloroethane	50.0000	44.8064	10.4	50.0	
0 1,1-Dichloroethane	50.0000	50.0365	0.1	50.0	
0 Tetrachloroethene	50.0000	45.9505	8.1	50.0	
0 Acetone	100.0000	102.2000	2.2	50.0	
0 1,1-Dichloroethene	50.0000	53.5658	7.1	20.0	
0 m + p-Xylene	100.0000	89.1851	10.8	50.0	
0 Ethylbenzene	50.0000	45.5538	8.9	20.0	
0 Carbon Disulfide	50.0000	53.5014	7.0	50.0	
0 Methylene Chloride	50.0000	53.5684	7.1	50.0	
0 1,2-Dichloropropane	50.0000	45.7334	8.5	20.0	
0 1,1,2-Trichloroethane	50.0000	46.8439	6.3	50.0	
0 Dibromochloromethane	50.0000	51.0721	2.1	50.0	
0 trans-1,2-Dichloroethene	50.0000	50.3315	0.7	50.0	
0 trans-1,3-Dichloropropene	50.0000	42.6884	14.6	50.0	
0 cis-1,3-Dichloropropene	50.0000	45.4734	9.1	50.0	
0 Chloroform	50.0000	49.0469	1.9	20.0	
0 Toluene	50.0000	43.9555	12.1	20.0	
0 2-Butanone	100.0000	95.4603	4.5	50.0	
0 1,2-Dichloroethene (total)	100.0000	99.3493	0.7	50.0	
0 cis-1,2-dichloroethene	50.0000	49.0178	2.0	50.0	
0 4-Methyl-2-pentanone	100.0000	90.7975	9.2	50.0	
0 1,2-Dichloroethane	50.0000	44.1874	11.6	50.0	
0 Trichloroethene	50.0000	48.0985	3.8	50.0	
0 1,1,1-Trichloroethane	50.0000	48.4858	3.0	50.0	
0 Carbon Tetrachloride	50.0000	54.5041	9.0	50.0	
0 Benzene	50.0000	47.7372	4.5	50.0	
38 Dichlorodifluoromethane	50.0000	75.4514	50.9	50.0	<-
39 Trichlorofluoromethane	50.0000	45.0568	9.9	50.0	

Report Date: 04/07/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ19627.D
Analysis Type: WATER

Injection Date: 07-APR-2004 21:27
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	511.3578	2.3	50.0
41 Acrylonitrile	500.0000	529.7140	5.9	50.0
42 Vinyl acetate	50.0000	35.5474	28.9	50.0
43 2-Chloroethyl vinyl ether	100.0000	112.4662	12.5	50.0
47 Freon-113	50.0000	52.0512	4.1	50.0
48 1,3-Dichlorobenzene	50.0000	46.2230	7.6	50.0
49 1,4-Dichlorobenzene	50.0000	45.0156	10.0	50.0
50 1,2-Dichlorobenzene	50.0000	44.7382	10.5	50.0
51 Acetonitrile	500.0000	571.9237	14.4	50.0
52 Iodomethane	50.0000	54.7382	9.5	50.0
59 1,4-Dioxane	2500.0000	2137.7710	14.5	50.0
60 Dibromomethane	50.0000	46.4480	7.1	50.0
62 Ethyl Methacrylate	50.0000	40.7568	18.5	50.0
63 1,2-Dibromoethane	50.0000	46.7600	6.5	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	50.9371	1.9	50.0
65 1,2,3-Trichloropropane	50.0000	49.5940	0.8	50.0
66 1,4-Dichloro-2-butene	50.0000	52.8574	5.7	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	41.2902	17.4	50.0
82 Methyl tert-butyl ether	50.0000	42.8475	14.3	50.0
84 Tetrahydrofuran	50.0000	39.0796	21.8	50.0
98 2,2-Dichloropropane	50.0000	41.1502	17.7	50.0
99 1,1-Dichloropropene	50.0000	47.3184	5.4	50.0
100 1,3-Dichloropropane	50.0000	45.3301	9.3	50.0
102 Bromobenzene	50.0000	50.4220	0.8	50.0
103 2-Chlorotoluene	50.0000	50.1356	0.3	50.0
104 n-Propylbenzene	50.0000	46.2679	7.5	50.0
105 4-Chlorotoluene	50.0000	48.3984	3.2	50.0
106 1,3,5-Trimethylbenzene	50.0000	46.5717	6.9	50.0
107 tert-Butylbenzene	50.0000	44.2206	11.6	50.0
108 1,2,4-Trimethylbenzene	50.0000	44.8766	10.2	50.0
109 sec-Butylbenzene	50.0000	41.9446	16.1	50.0
110 4-Isopropyltoluene	50.0000	41.0674	17.9	50.0
111 n-Butylbenzene	50.0000	36.4435	27.1	50.0
112 1,2,4-Trichlorobenzene	50.0000	33.9012	32.2	50.0
113 Naphthalene	50.0000	30.3661	39.3	50.0
114 Hexachlorobutadiene	50.0000	36.7056	26.6	50.0
115 1,2,3-Trichlorobenzene	50.0000	31.0428	37.9	50.0
124 tert-Butyl Alcohol	1000.0000	822.1230	17.8	50.0

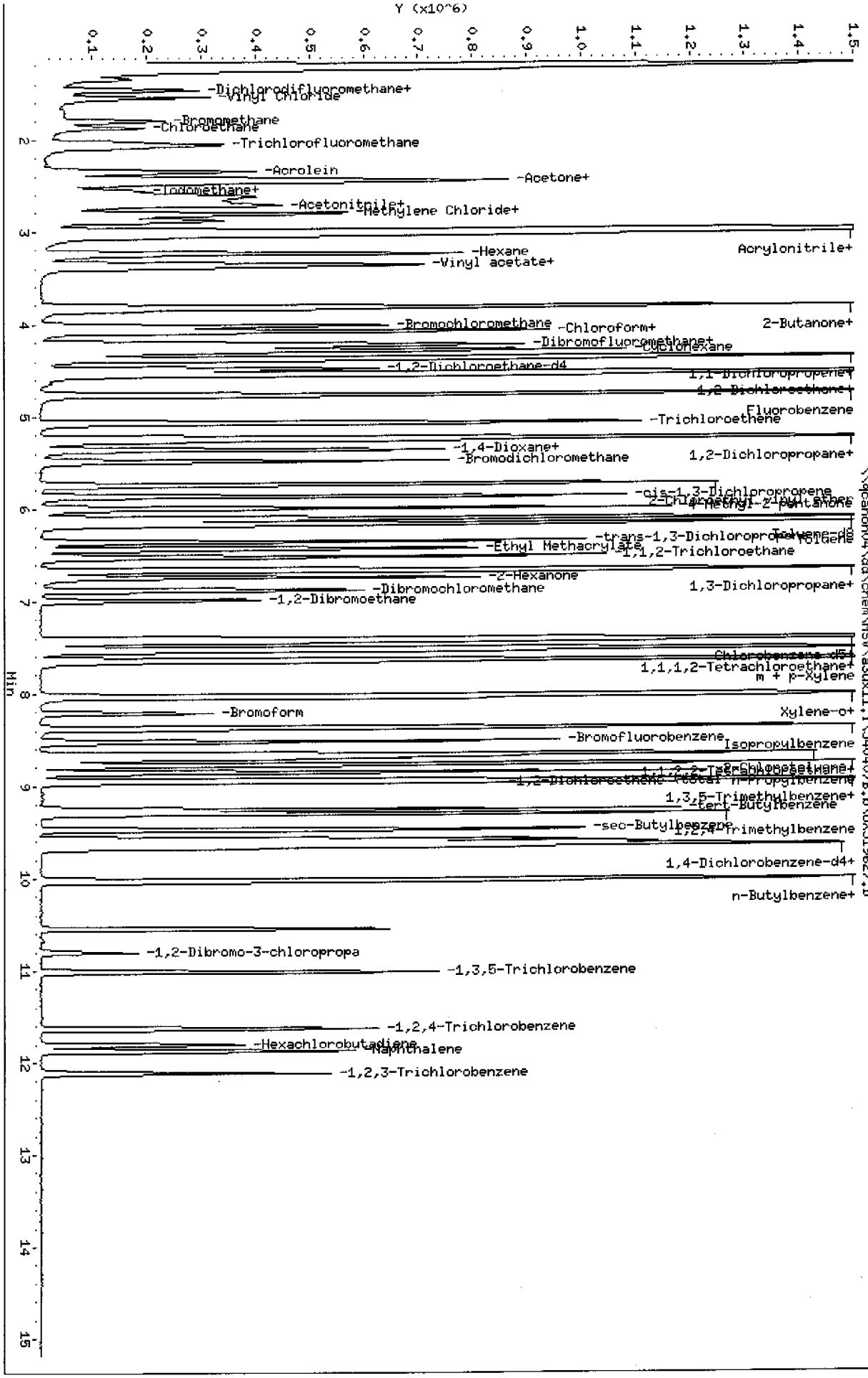
Report Date: 04/07/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ19627.D
Analysis Type: WATER

Injection Date: 07-APR-2004 21:27
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	41.8026	16.4	20.0
127 Cyclohexane	50.0000	45.5883	8.8	50.0
128 Isopropylbenzene	50.0000	45.6786	8.6	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
133 Bromochloromethane	50.0000	50.3047	0.6	50.0
141 1,3,5-Trichlorobenzene	50.0000	36.8134	26.4	50.0
143 Methyl Acetate	100.0000	108.9779	9.0	50.0
144 Methylcyclohexane	50.0000	43.2760	13.4	50.0
22 Toluene-d8	50.0000	46.1106	7.8	50.0
32 Bromofluorobenzene	50.0000	48.4008	3.2	50.0
47 1,2-Dichloroethane-d4	50.0000	48.1834	3.6	50.0
131 Dibromofluoromethane	50.0000	49.9482	0.1	50.0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Date : 07-APR-2004 21:27
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Acetonitrile+
-Methylene Chloride+
-Hexane
Acrylonitrile+
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
2-Chloroethyl vinyl ether
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
-1,2-Dichloroethane (total
n-Propylbenzene
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-sec-Butylbenzene
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19627.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19627.D
Report Date: 08-Apr-2004 09:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19627.D
Lab Smp Id: 50NG-CC
Inj Date : 07-APR-2004 21:27
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-CC
Misc Info : J40407B,8260LLUX11,2-8260.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m
Meth Date : 08-Apr-2004 09:19 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 32 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.765	4.765	(1.000)	1644317	50.0000	
* 2 Chlorobenzene-d5	117	7.416	7.416	(1.000)	1045594	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	350376	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.883)	362297	50.0000	49.948
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.940)	501448	50.0000	48.183
$ 6 Toluene-d8	98	6.102	6.102	(0.823)	1438835	50.0000	46.110
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.148)	350606	50.0000	48.401
8 Dichlorodifluoromethane	85	1.345	1.345	(0.282)	194220	50.0000	75.451
9 Chloromethane	50	1.464	1.464	(0.307)	356062	50.0000	55.608
10 Vinyl Chloride	62	1.546	1.546	(0.325)	312179	50.0000	53.080
11 Bromomethane	94	1.795	1.795	(0.377)	172550	50.0000	40.317
12 Chloroethane	64	1.866	1.866	(0.392)	197029	50.0000	44.806
13 Trichlorofluoromethane	101	2.055	2.055	(0.431)	422705	50.0000	45.057
15 Acrolein	56	2.339	2.339	(0.491)	555633	500.000	511.36
16 Acetone	43	2.458	2.458	(0.516)	493303	100.000	102.20
17 1,1-Dichloroethene	96	2.434	2.434	(0.511)	317184	50.0000	53.566
18 Freon-113	151	2.458	2.458	(0.516)	151287	50.0000	52.051

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.D\UXJ19627.D
Report Date: 08-Apr-2004 09:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.552	2.552	(0.536)	433563	50.0000	54.738
	20 Carbon Disulfide	76	2.623	2.623	(0.551)	1024455	50.0000	53.501
	21 Methylene Chloride	84	2.813	2.813	(0.590)	388472	50.0000	53.568
	22 Acetonitrile	41	2.682	2.682	(0.563)	523644	500.000	571.92
	23 Acrylonitrile	53	2.990	2.990	(0.628)	1681900	500.000	529.71
	24 Methyl tert-butyl ether	73	3.026	3.026	(0.635)	1043834	50.0000	42.848
	25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.635)	431344	50.0000	50.331
	26 Hexane	86	3.250	3.250	(0.682)	75497	50.0000	41.802
	27 Vinyl acetate	43	3.392	3.392	(0.712)	606000	50.0000	35.547
	28 1,1-Dichloroethane	63	3.357	3.357	(0.705)	793778	50.0000	50.036
	29 tert-Butyl Alcohol	59	2.884	2.884	(0.605)	405640	1000.00	822.12
	30 2-Butanone	43	3.818	3.818	(0.801)	549613	100.000	95.460
M	31 1,2-Dichloroethene (total)	96				862984	100.000	99.349
	32 cis-1,2-dichloroethene	96	3.818	3.818	(0.801)	431640	50.0000	49.018
	33 2,2-Dichloropropane	77	3.818	3.818	(0.801)	348520	50.0000	41.150
	34 Bromochloromethane	128	4.020	4.020	(0.844)	203960	50.0000	50.305
	35 Chloroform	83	4.079	4.079	(0.856)	739443	50.0000	49.047
	36 Tetrahydrofuran	42	4.055	4.055	(0.851)	112955	50.0000	39.080
	37 1,1,1-Trichloroethane	97	4.233	4.233	(0.888)	537919	50.0000	48.486
	38 1,1-Dichloropropene	75	4.363	4.363	(0.916)	569232	50.0000	47.318
	39 Carbon Tetrachloride	117	4.375	4.375	(0.918)	460355	50.0000	54.504
	40 1,2-Dichloroethane	62	4.540	4.540	(0.953)	614222	50.0000	44.187
	41 Benzene	78	4.540	4.540	(0.953)	1790350	50.0000	47.737
	42 Trichloroethene	130	5.073	5.073	(1.065)	417491	50.0000	48.098
	43 1,2-Dichloropropane	63	5.250	5.250	(1.102)	443826	50.0000	45.733
	44 1,4-Dioxane	88	5.369	5.369	(1.127)	139762	2500.00	2137.8(A)
	45 Dibromomethane	93	5.357	5.357	(1.124)	239288	50.0000	46.448
	46 Bromodichloromethane	83	5.487	5.487	(1.151)	525645	50.0000	47.871
	47 2-Chloroethyl vinyl ether	63	5.735	5.735	(1.204)	528100	100.000	112.47
	48 cis-1,3-Dichloropropene	75	5.865	5.865	(1.231)	624112	50.0000	45.473
	49 4-Methyl-2-pentanone	43	5.996	5.996	(1.258)	822708	100.000	90.798
	50 Toluene	91	6.161	6.161	(0.831)	1772554	50.0000	43.956
	51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.856)	525746	50.0000	42.688
	52 Ethyl Methacrylate	69	6.433	6.433	(0.868)	459548	50.0000	40.757
	53 1,1,2-Trichloroethane	97	6.516	6.516	(0.879)	333389	50.0000	46.844
	54 1,3-Dichloropropane	76	6.670	6.670	(0.899)	633345	50.0000	45.330
	55 Tetrachloroethene	164	6.658	6.658	(0.898)	277143	50.0000	45.950
	56 2-Hexanone	43	6.741	6.741	(0.909)	645995	100.000	81.554
	57 Dibromochloromethane	129	6.883	6.883	(0.928)	342129	50.0000	51.072
	58 1,2-Dibromoethane	107	6.990	6.990	(0.943)	309638	50.0000	46.760
	59 Chlorobenzene	112	7.439	7.439	(1.003)	968745	50.0000	46.220
	60 1,1,1,2-Tetrachloroethane	131	7.510	7.510	(1.013)	326186	50.0000	50.937
	61 Ethylbenzene	106	7.534	7.534	(1.016)	505192	50.0000	45.554
	62 m + p-Xylene	106	7.640	7.640	(1.030)	1192038	100.000	89.185
M	63 Xylenes (total)	106				1729362	150.000	134.44
	64 Xylene-o	106	8.019	8.019	(1.081)	537324	50.0000	45.259
	65 Styrene	104	8.031	8.031	(1.083)	944086	50.0000	47.414

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040407B.D\0X019627.D
Report Date: 08-Apr-2004 09:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.208	8.208	(1.107)	159956	50.0000	56.617
67 Isopropylbenzene	105	8.374	8.374	(1.129)	1102950	50.0000	45.678
68 1,1,2,2-Tetrachloroethane	83	8.658	8.658	(0.898)	282572	50.0000	50.745
69 1,4-Dichloro-2-butene	53	8.705	8.705	(0.903)	67845	50.0000	52.857
70 1,2,3-Trichloropropane	110	8.694	8.694	(0.902)	92163	50.0000	49.594
71 Bromobenzene	156	8.670	8.670	(0.899)	295772	50.0000	50.422
72 n-Propylbenzene	120	8.765	8.765	(0.909)	281399	50.0000	46.268
73 2-Chlorotoluene	126	8.847	8.847	(0.918)	267999	50.0000	50.136
74 1,3,5-Trimethylbenzene	105	8.942	8.942	(0.928)	776279	50.0000	46.572
75 4-Chlorotoluene	126	8.954	8.954	(0.929)	269515	50.0000	48.398
76 tert-Butylbenzene	119	9.250	9.250	(0.959)	606512	50.0000	44.221
77 1,2,4-Trimethylbenzene	105	9.297	9.297	(0.964)	787987	50.0000	44.877
78 sec-Butylbenzene	105	9.475	9.475	(0.983)	811334	50.0000	41.945
79 4-Isopropyltoluene	119	9.617	9.617	(0.998)	657640	50.0000	41.067
80 1,3-Dichlorobenzene	146	9.581	9.581	(0.994)	455822	50.0000	46.223
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	482394	50.0000	45.016
82 n-Butylbenzene	91	10.019	10.019	(1.039)	581708	50.0000	36.444
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	451572	50.0000	44.738
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	42991	50.0000	41.289
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	210377	50.0000	33.901
86 Hexachlorobutadiene	225	11.806	11.806	(1.225)	78521	50.0000	36.706
87 Naphthalene	128	11.865	11.865	(1.231)	533657	50.0000	30.366
88 1,2,3-Trichlorobenzene	180	12.113	12.113	(1.257)	173397	50.0000	31.043
98 Cyclohexane	56	4.280	4.280	(0.898)	581406	50.0000	45.588
143 Methyl Acetate	43	2.718	2.718	(0.570)	694047	100.000	108.98
144 Methylcyclohexane	83	5.238	5.238	(1.099)	501264	50.0000	43.276
141 1,3,5-Trichlorobenzene	180	11.013	11.013	(1.142)	248910	50.0000	36.813

QC Flag Legend

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

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19628.D
Report Date: 07-Apr-2004 22:00

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 07-APR-2004 21:51
Lab File ID: UXJ19628.D Init. Cal. Date(s): 02-MAR-2004 05-MAR-2004
Analysis Type: WATER Init. Cal. Times: 09:22 10:45
Lab Sample ID: 50NG-A9CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	0.28101	0.27595	0.010	-1.8	50.0	
89 Ethyl Ether	0.24139	0.24649	0.010	2.1	50.0	
91 3-Chloropropene	0.12389	0.13576	0.010	9.6	50.0	
92 Isopropyl Ether	0.24666	0.23721	0.010	-3.8	50.0	
93 2-Chloro-1,3-butadiene	0.44568	0.43722	0.010	-1.9	50.0	
94 Propionitrile	0.03293	0.03501	0.010	6.3	50.0	
95 Ethyl Acetate	0.25128	0.26720	0.010	6.3	50.0	
96 Methacrylonitrile	0.18010	0.18209	0.010	1.1	50.0	
97 Isobutanol	0.00783	0.01050	0.010	34.0	50.0	<-
99 n-Butanol	1000	1221	0.010	-22.1	50.0	
100 Methyl Methacrylate	0.24604	0.23016	0.010	-6.5	50.0	
101 2-Nitropropane	0.05324	0.06349	0.010	19.3	50.0	
103 Cyclohexanone	0.03132	0.02604	0.010	-16.9	50.0	
146 2-Methylnaphthalene	1.09885	0.21427	0.010	-80.5	50.0	<-

Report Date: 04/07/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ19628.D
Analysis Type: WATER

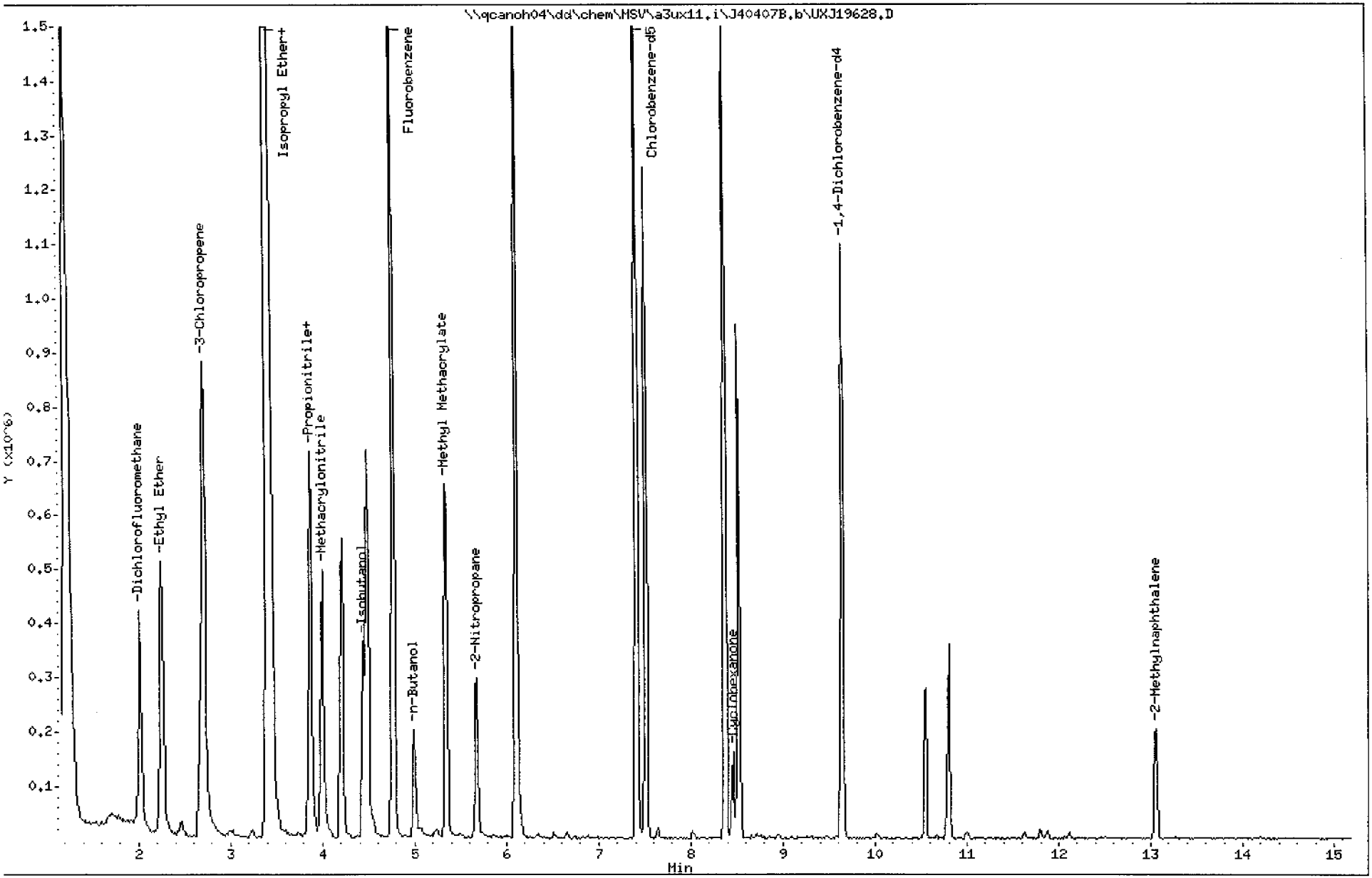
Injection Date: 07-APR-2004 21:51
Lab Sample ID: 50NG-A9CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	54.7908	9.6	50.0	
54 2-Chloro-1,3-butadiene	50.0000	49.0507	1.9	50.0	
55 Propionitrile	100.0000	106.3299	6.3	50.0	
56 Methacrylonitrile	50.0000	50.5525	1.1	50.0	
57 Isobutanol	1000.0000	1339.7071	34.0	50.0	
58 Methyl Methacrylate	50.0000	46.7717	6.5	50.0	
73 n-Butanol	1000.0000	1221.3913	22.1	50.0	
74 Ethyl Acetate	100.0000	106.3345	6.3	50.0	
75 Cyclohexanone	500.0000	415.7080	16.9	50.0	
76 Ethyl Ether	50.0000	51.0566	2.1	50.0	
85 Dichlorofluoromethane	50.0000	49.0994	1.8	50.0	
86 2-Nitropropane	100.0000	119.2525	19.3	50.0	
126 Isopropyl Ether	250.0000	240.4226	3.8	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
146 2-Methylnaphthalene	100.0000	19.4997	80.5	50.0	<-

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40407B.b\UXJ19628.D
Date : 07-APR-2004 21:51
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19628.D
Report Date: 08-Apr-2004 07:32

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19628.D
Lab Smp Id: 50NG-A9CC
Inj Date : 07-APR-2004 21:51
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9CC
Misc Info : J40407B,8260LLUX11,3-IX.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m
Meth Date : 08-Apr-2004 07:32 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 33 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.765	4.765	(1.000)	1704098	50.0000	
* 2 Chlorobenzene-d5	117	7.416	7.416	(1.000)	1048109	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	302807	50.0000	
14 Dichlorofluoromethane	67	2.008	2.008	(0.421)	470251	50.0000	49.099
89 Ethyl Ether	59	2.245	2.245	(0.471)	420045	50.0000	51.056
91 3-Chloropropene	76	2.706	2.706	(0.568)	231349	50.0000	54.791
92 Isopropyl Ether	87	3.404	3.404	(0.714)	2021183	250.000	240.42(A)
93 2-Chloro-1,3-butadiene	53	3.428	3.428	(0.719)	745064	50.0000	49.051
94 Propionitrile	54	3.866	3.866	(0.811)	119325	100.000	106.33
95 Ethyl Acetate	43	3.866	3.866	(0.811)	910672	100.000	106.33
96 Methacrylonitrile	41	3.996	3.996	(0.839)	310304	50.0000	50.552
97 Isobutanol	41	4.434	4.434	(0.598)	220025	1000.00	1339.7(A)
99 n-Butanol	56	4.990	4.990	(0.673)	120041	1000.00	1221.4(A)
100 Methyl Methacrylate	41	5.333	5.333	(1.119)	392210	50.0000	46.772
101 2-Nitropropane	41	5.676	5.676	(1.191)	216389	100.000	119.25
103 Cyclohexanone	55	8.457	8.457	(0.877)	78860	500.000	415.70(A)
146 2-Methylnaphthalene	142	13.060	13.060	(1.355)	129765	100.000	19.500

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040407B.D\UX019628.D
Report Date: 08-Apr-2004 07:32

QC Flag Legend

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

RAW QC DATA

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\BFB192.D

Date : 12-MAR-2004 10:48

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

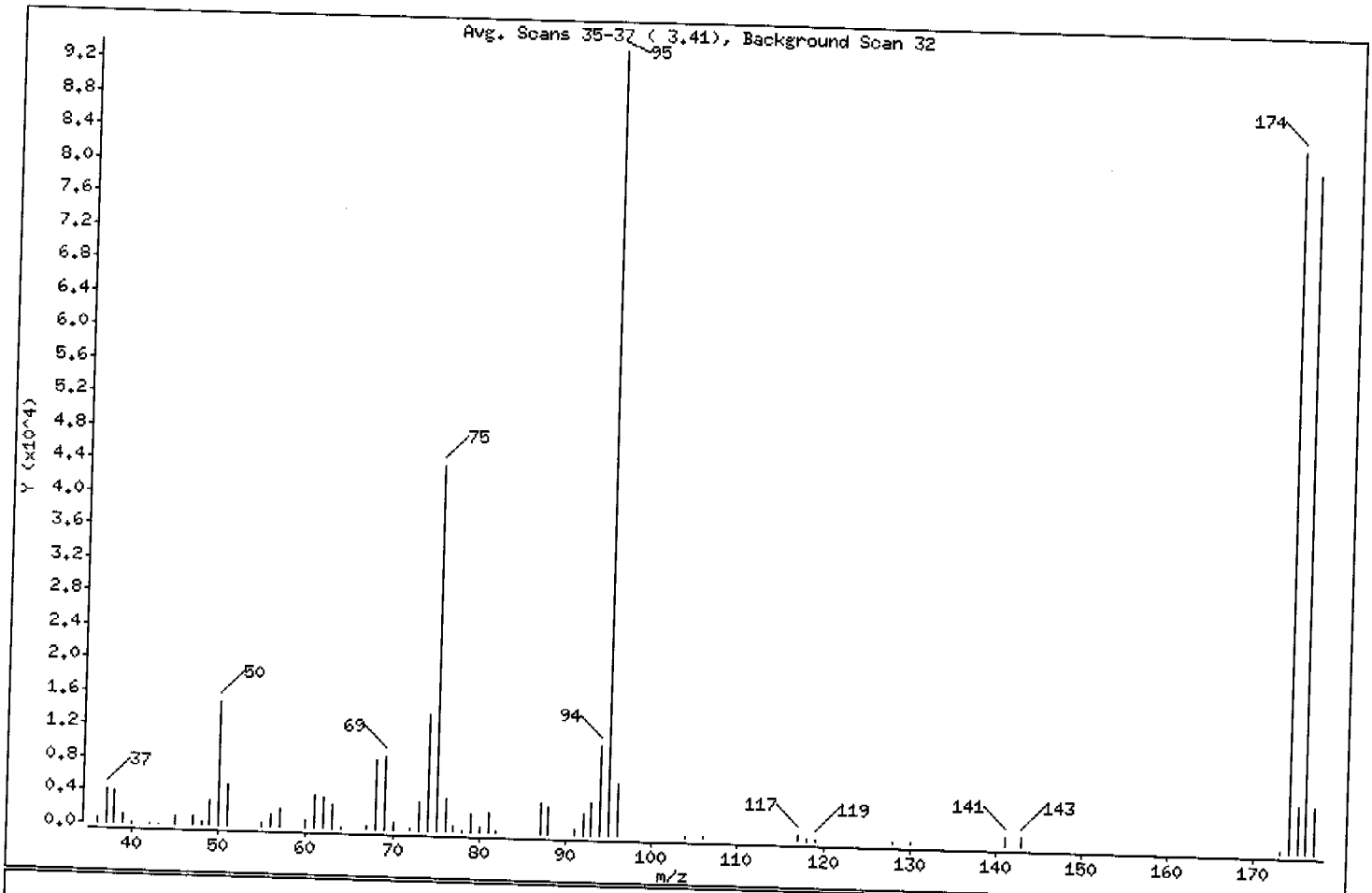
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.76
75	30.00 - 60.00% of mass 95	46.72
96	5.00 - 9.00% of mass 95	6.77
173	Less than 2.00% of mass 174	0.23 (0.26)
174	50.00 - 100.00% of mass 95	89.34
175	5.00 - 9.00% of mass 174	5.97 (6.69)
176	95.00 - 101.00% of mass 174	86.43 (96.73)
177	5.00 - 9.00% of mass 176	6.00 (6.94)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\BFB192.D

Date : 12-MAR-2004 10:48

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Data File: BFB192.D

Spectrum: Avg. Scans 35-37 (3.41), Background Scan 32

Location of Maximum: 95.00

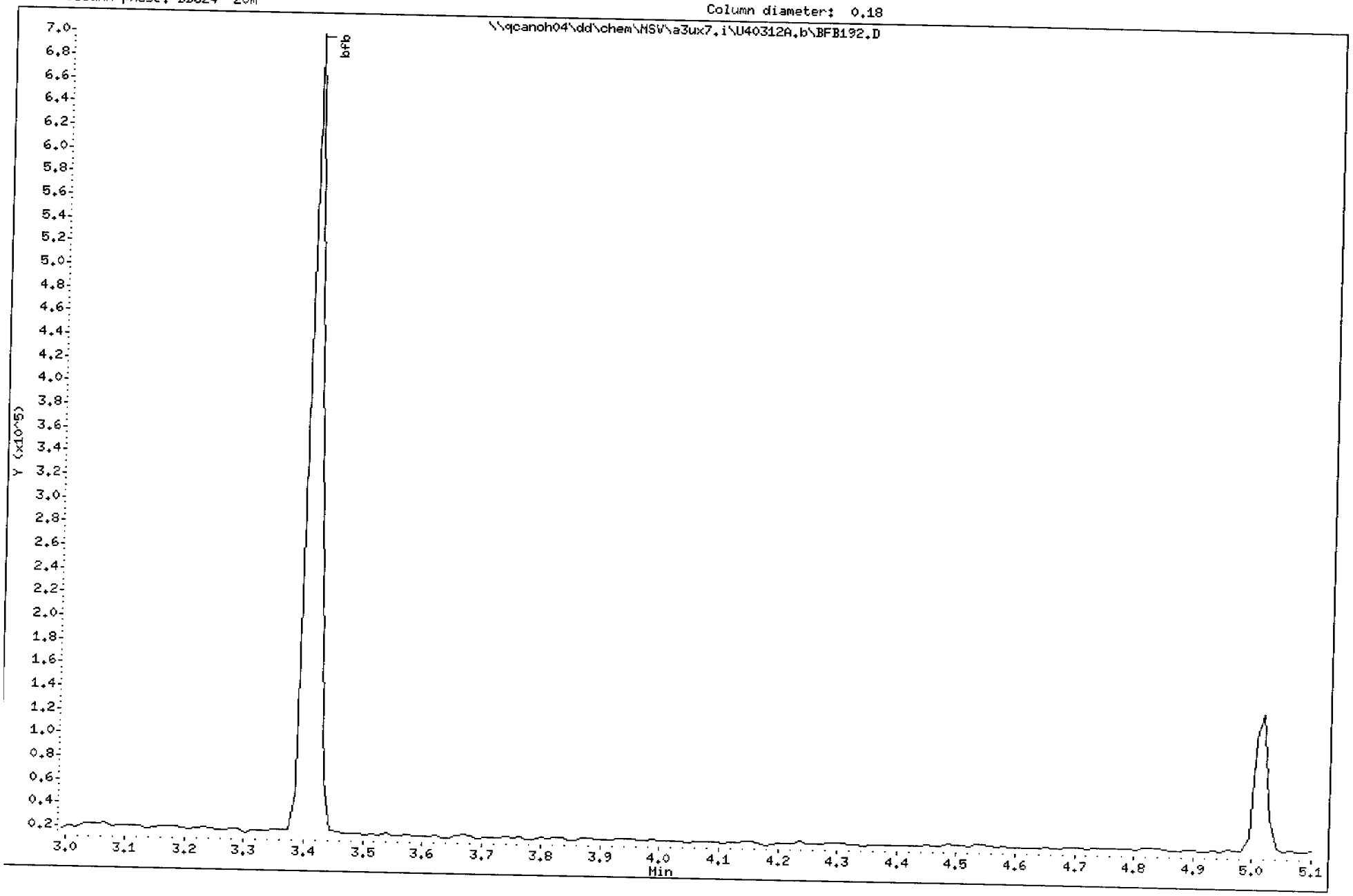
Number of points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	580	57.00	2201	77.00	608	106.00	193
37.00	4001	60.00	849	78.00	245	117.00	710
38.00	3839	61.00	3870	79.00	2138	118.00	205
39.00	1139	62.00	3739	80.00	563	119.00	247
40.00	158	63.00	2830	81.00	2316	128.00	209
42.00	105	64.00	172	82.00	263	130.00	185
43.00	69	67.00	447	87.00	3607	141.00	1091
45.00	1043	68.00	8332	88.00	3349	143.00	1069
47.00	1039	69.00	8885	91.00	599	173.00	220
48.00	435	70.00	921	92.00	2523	174.00	83976
49.00	3077	72.00	247	93.00	3825	175.00	5615
50.00	14812	73.00	3565	94.00	10717	176.00	81232
51.00	4913	74.00	13953	95.00	93992	177.00	5638
55.00	355	75.00	43912	96.00	6367		
56.00	1487	76.00	3926	104.00	314		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40312A.b\BFB192.D
Date : 12-MAR-2004 10:48
Client ID: 50NGBFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20m

Instrument: a3ux7.i

Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\BFB193.D

Date : 15-MAR-2004 07:27

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

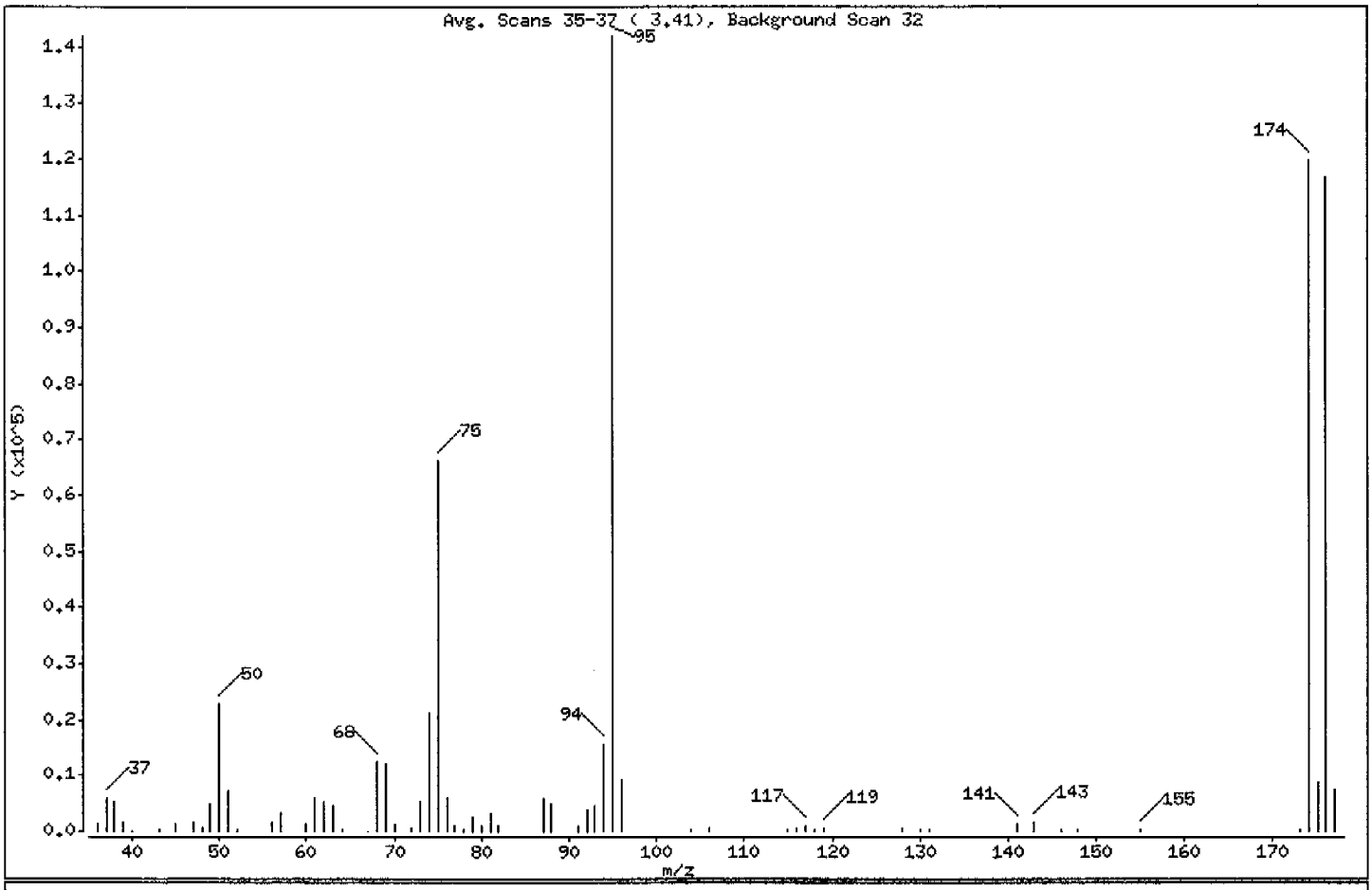
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.16
75	30.00 - 60.00% of mass 95	46.69
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.31 (0.37)
174	50.00 - 100.00% of mass 95	84.33
175	5.00 - 9.00% of mass 174	6.11 (7.24)
176	95.00 - 101.00% of mass 174	82.34 (97.64)
177	5.00 - 9.00% of mass 176	5.18 (6.29)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\BFB193.D

Date : 15-MAR-2004 07:27

Client ID: 50NGBFB | Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0 | Operator: 1754

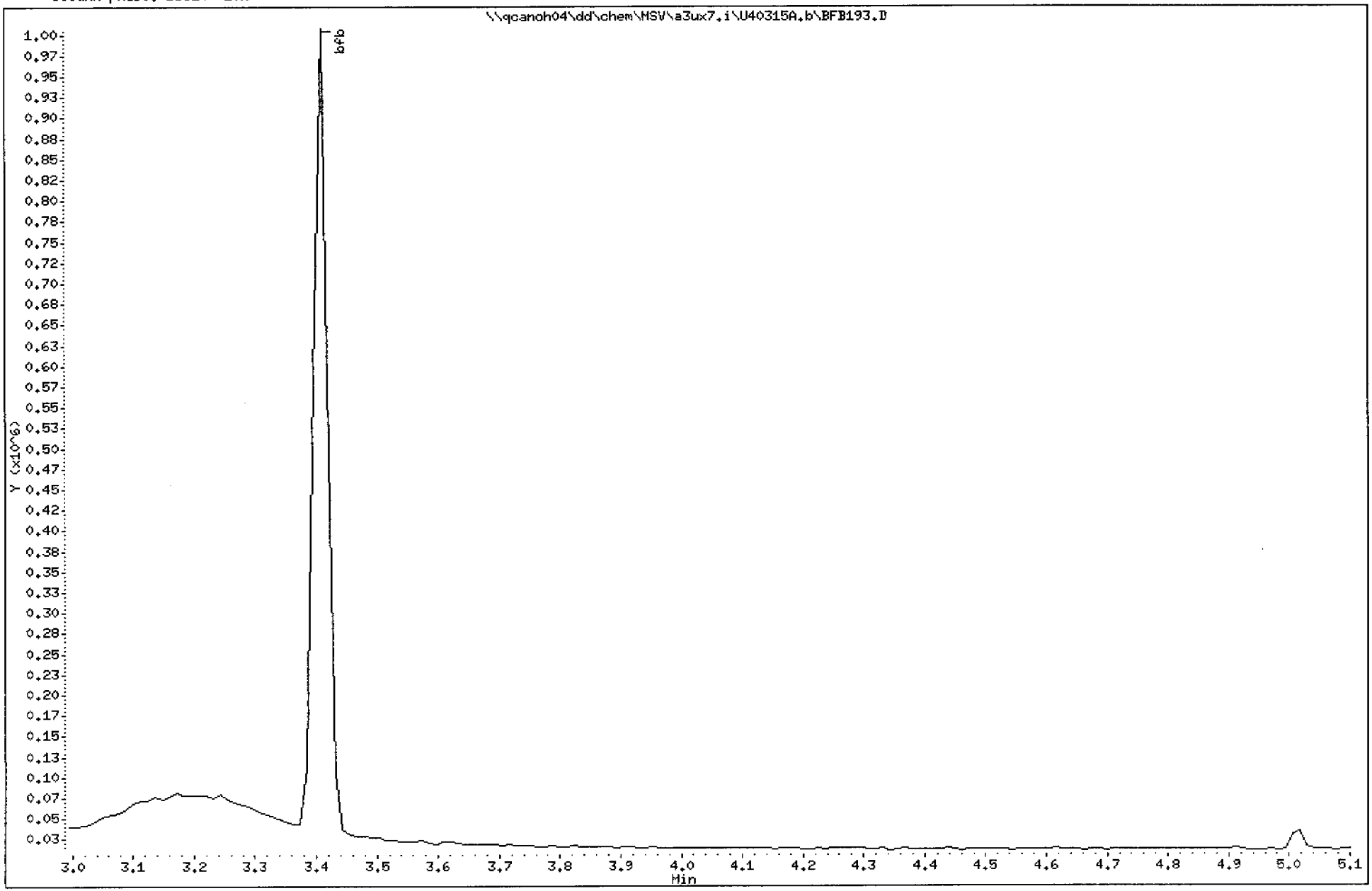
Column phase: DB624 20m | Column diameter: 0.18

Data File: BFB193.D
Spectrum: Avg. Scans 35-37 (3.41), Background Scan 32
Location of Maximum: 95.00
Number of points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1200	61.00	5877	80.00	1088	118.00	234
37.00	5809	62.00	5218	81.00	3169	119.00	735
38.00	5328	63.00	4711	82.00	893	128.00	684
39.00	1692	64.00	456	87.00	5744	130.00	275
40.00	148	67.00	153	88.00	5017	131.00	217
43.00	185	68.00	12235	91.00	832	141.00	1404
45.00	1284	69.00	11990	92.00	3937	143.00	1619
47.00	1565	70.00	1149	93.00	4683	146.00	180
48.00	601	72.00	538	94.00	15595	148.00	167
49.00	4835	73.00	5190	95.00	141824	155.00	197
50.00	22920	74.00	21216	96.00	9220	173.00	438
51.00	7053	75.00	66240	104.00	463	174.00	119640
52.00	209	76.00	5926	106.00	740	175.00	8666
56.00	1737	77.00	911	115.00	197	176.00	116816
57.00	3397	78.00	333	116.00	662	177.00	7349
60.00	1307	79.00	2546	117.00	990		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40315A.b\BFB193.D
Date : 15-MAR-2004 07:27
Client ID: 50NGBFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\BFB212.D

Date : 09-APR-2004 08:35

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

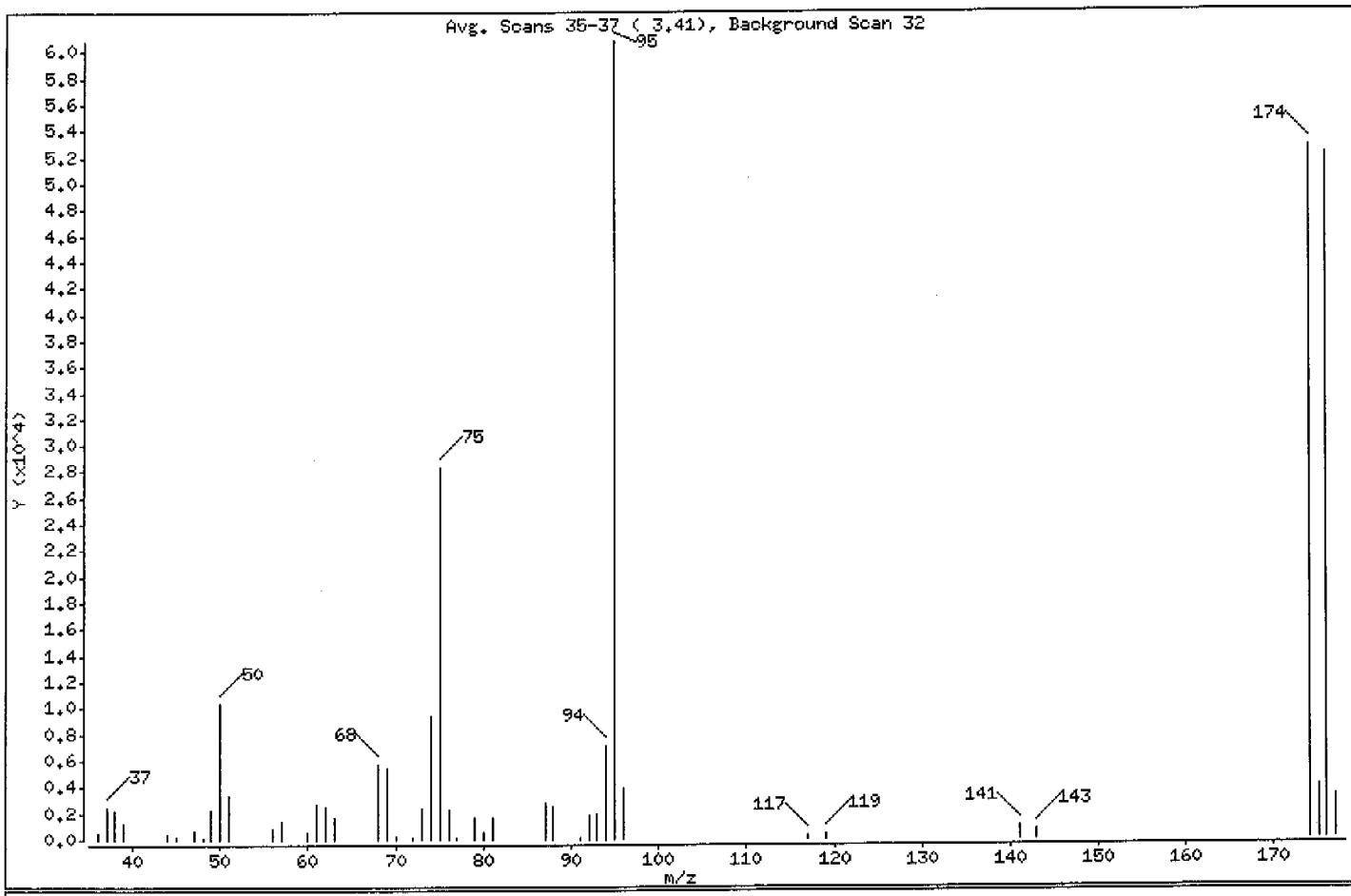
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.95
75	30.00 - 60.00% of mass 95	46.65
96	5.00 - 9.00% of mass 95	6.40
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	86.62
175	5.00 - 9.00% of mass 174	6.52 (7.52)
176	95.00 - 101.00% of mass 174	85.84 (99.11)
177	5.00 - 9.00% of mass 176	5.25 (6.11)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\BFB212.D

Date : 09-APR-2004 08:35

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

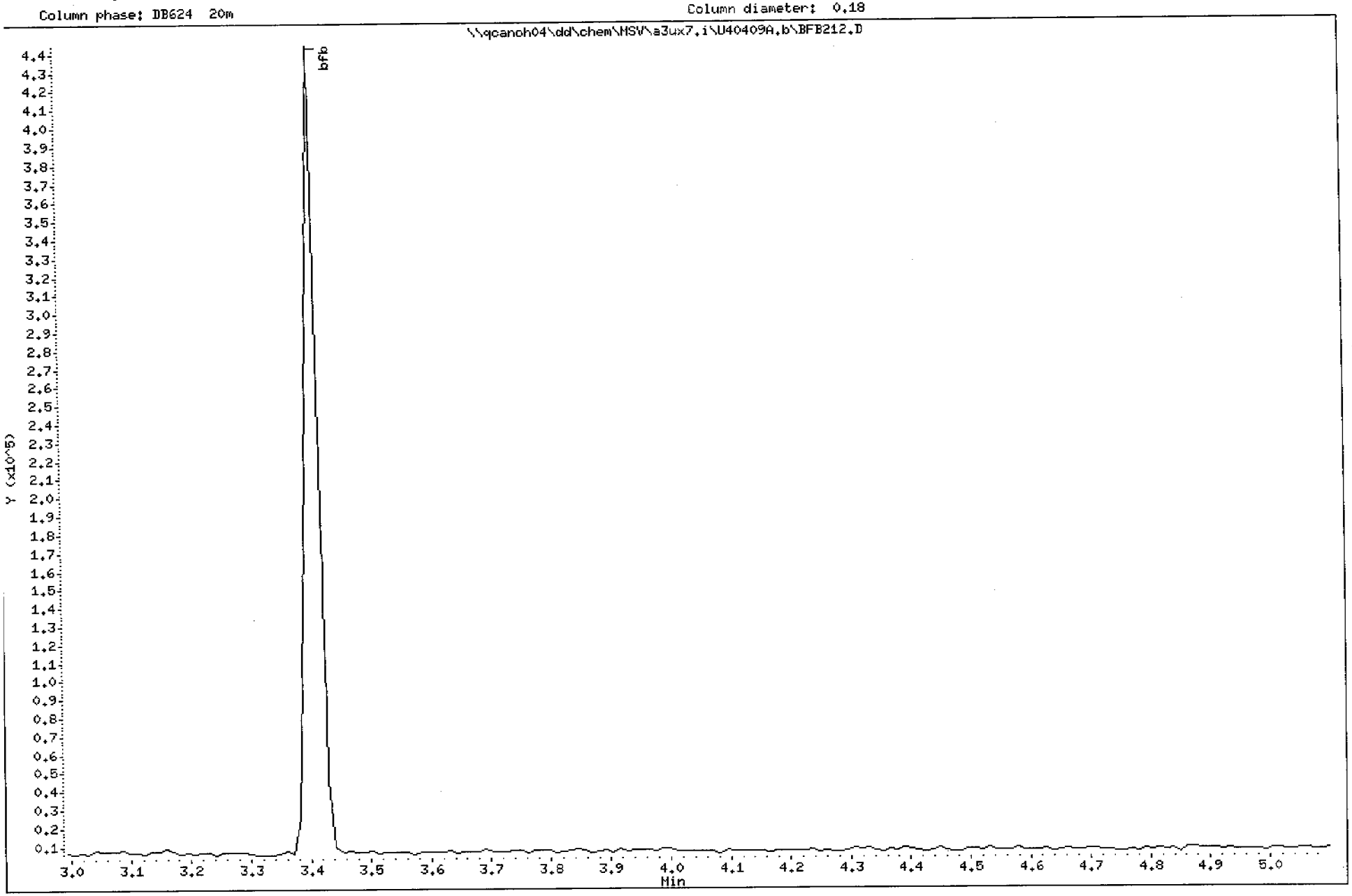
Column diameter: 0.18

Data File: BFB212.D
Spectrum: Avg. Scans 35-37 (3.41), Background Scan 32
Location of Maximum: 95.00
Number of points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	571	57.00	1454	76.00	2282	96.00	3890
37.00	2522	60.00	535	77.00	173	117.00	216
38.00	2269	61.00	2599	79.00	1652	119.00	480
39.00	1299	62.00	2446	80.00	495	141.00	936
44.00	482	63.00	1641	81.00	1642	143.00	703
45.00	321	68.00	5770	87.00	2828	174.00	52616
47.00	768	69.00	5461	88.00	2555	175.00	3959
48.00	193	70.00	258	91.00	187	176.00	52144
49.00	2264	72.00	197	92.00	1833	177.00	3187
50.00	10297	73.00	2439	93.00	1932		
51.00	3286	74.00	9412	94.00	7071		
56.00	879	75.00	28336	95.00	60744		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\BFB212.D
Date : 09-APR-2004 08:35
Client ID: 50NGBFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\BFB1174.D

Date : 15-JAN-2004 10:11

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

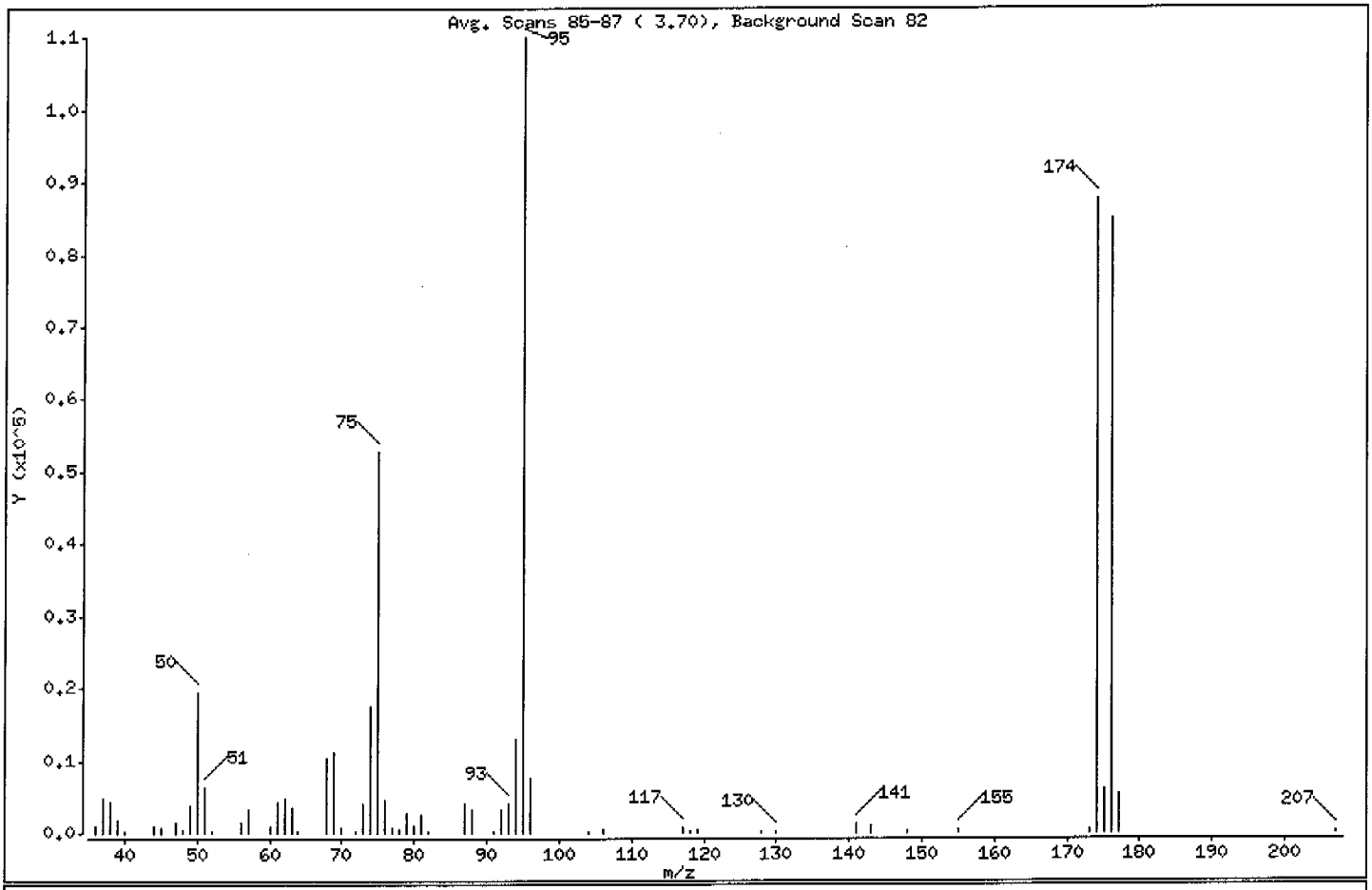
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.65
75	30.00 - 60.00% of mass 95	47.97
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.43 (0.54)
174	50.00 - 100.00% of mass 95	79.80
175	5.00 - 9.00% of mass 174	5.53 (6.92)
176	95.00 - 101.00% of mass 174	77.14 (96.67)
177	5.00 - 9.00% of mass 176	4.79 (6.21)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\BFB1174.D

Date : 15-JAN-2004 10:11

Client ID: 50NG BFB | Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 | Operator: 1904

Column phase: DB624 20M | Column diameter: 0.18

Data File: BFB1174.D
Spectrum: Avg. Scans 85-87 (3.70), Background Scan 82
Location of Maximum: 95.00
Number of points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	995	60.00	972	79.00	2836	118.00	201
37.00	4848	61.00	4230	80.00	890	119.00	514
38.00	4269	62.00	4848	81.00	2603	128.00	192
39.00	1679	63.00	3661	82.00	221	130.00	226
40.00	312	64.00	228	87.00	4035	141.00	1292
44.00	1050	68.00	10404	88.00	3342	143.00	954
45.00	692	69.00	11094	91.00	216	148.00	171
47.00	1401	70.00	875	92.00	3397	155.00	392
48.00	545	72.00	185	93.00	4177	173.00	476
49.00	3868	73.00	4102	94.00	12914	174.00	87848
50.00	19432	74.00	17496	95.00	110088	175.00	6083
51.00	6240	75.00	52808	96.00	7509	176.00	84920
52.00	199	76.00	4606	104.00	185	177.00	5276
56.00	1577	77.00	734	106.00	435	207.00	170
57.00	3192	78.00	608	117.00	688		

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40115A-IC.b\BFB1174.D

Date : 15-JAN-2004 10:11

Client ID: 50NG BFB

Sample Info:

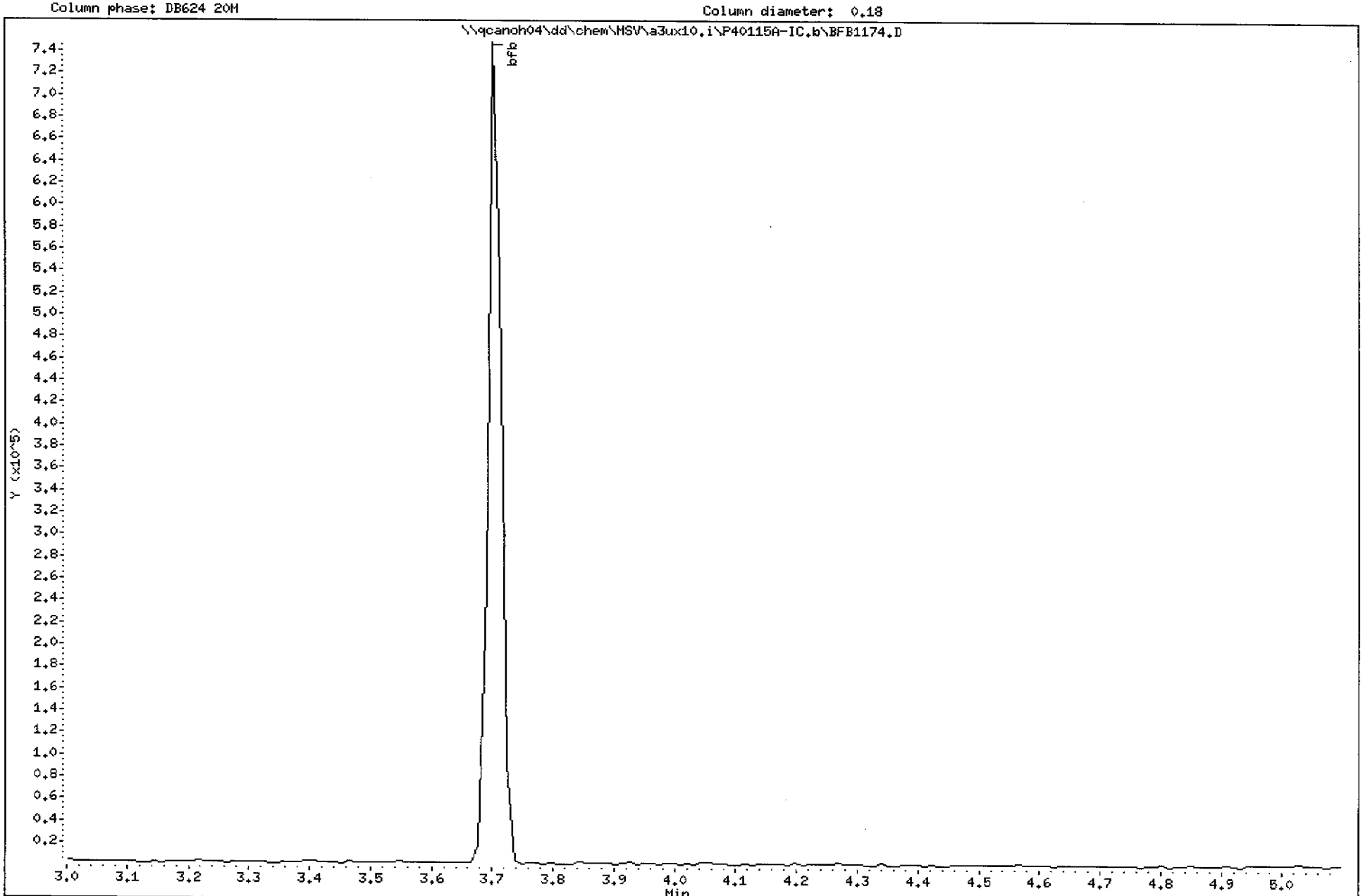
Volume Injected (uL): 1.0

Column phase: DB624 20M

Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\BFB1223.D

Date : 23-MAR-2004 09:44

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

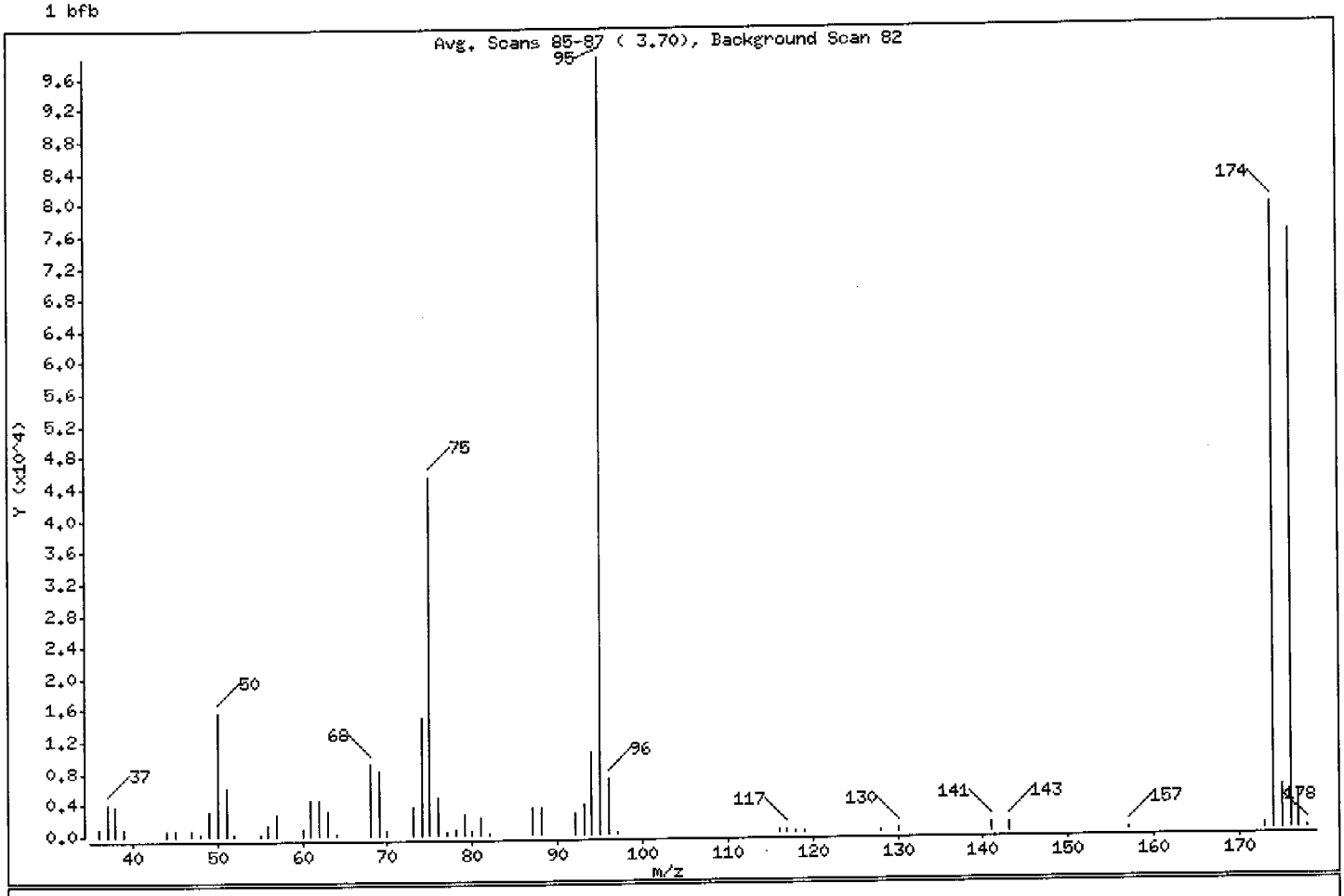
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.83
75	30.00 - 60.00% of mass 95	46.02
96	5.00 - 9.00% of mass 95	7.05
173	Less than 2.00% of mass 174	0.64 (0.79)
174	50.00 - 100.00% of mass 95	80.36
175	5.00 - 9.00% of mass 174	5.59 (6.95)
176	95.00 - 101.00% of mass 174	77.07 (95.91)
177	5.00 - 9.00% of mass 176	4.75 (6.16)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\BFB1223.D

Date : 23-MAR-2004 09:44

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

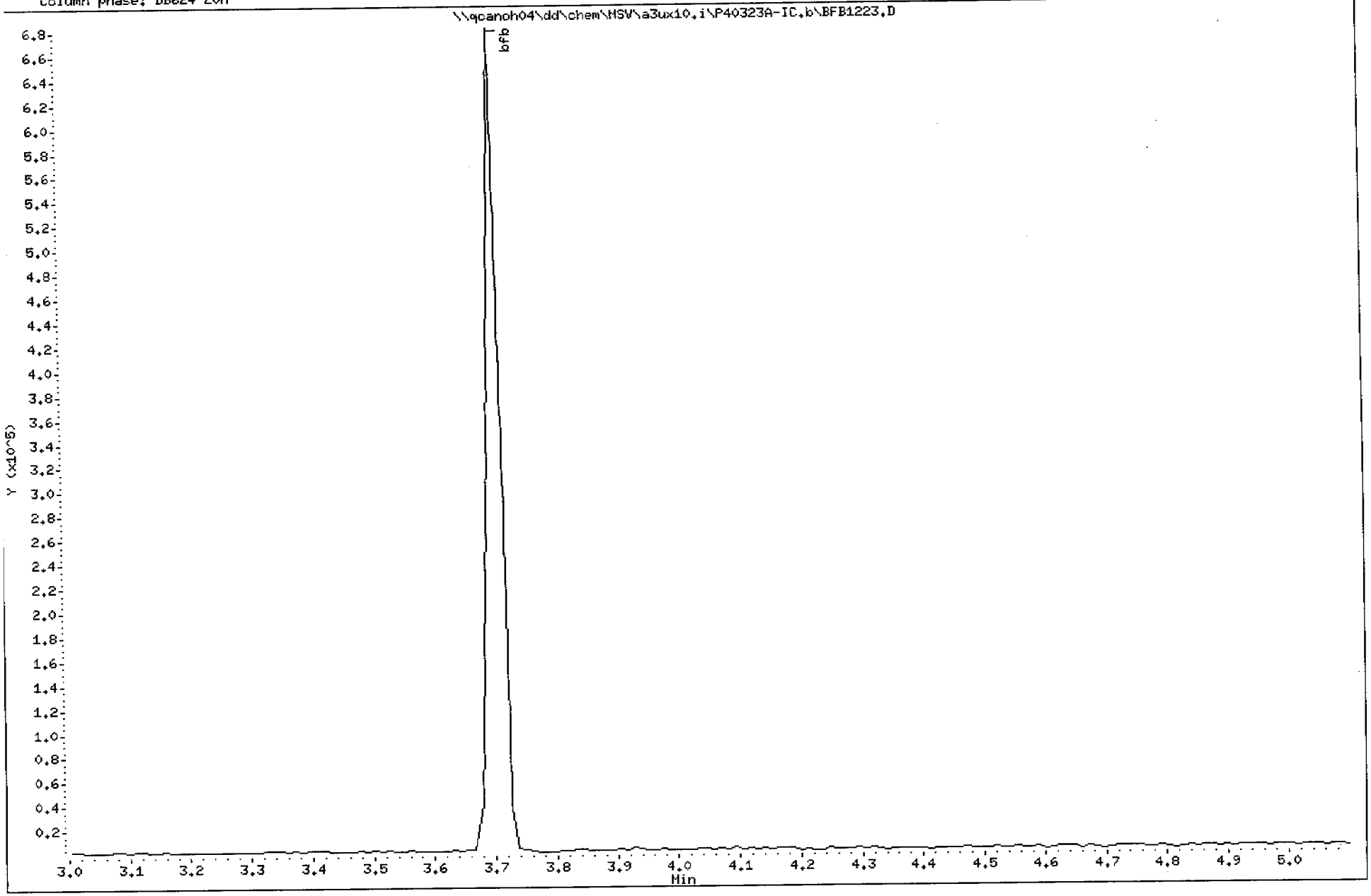
Data File: BFB1223.D
Spectrum: Avg. Scans 85-87 (3.70), Background Scan 82
Location of Maximum: 95.00
Number of points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	799	60.00	981	80.00	545	128.00	206
37.00	4159	61.00	4498	81.00	2265	130.00	443
38.00	3788	62.00	4445	82.00	288	141.00	1211
39.00	970	63.00	3198	87.00	3438	143.00	1031
44.00	717	64.00	237	88.00	3510	157.00	209
45.00	642	68.00	9138	92.00	2794	173.00	626
47.00	782	69.00	8193	93.00	3897	174.00	79096
48.00	236	70.00	748	94.00	10343	175.00	5500
49.00	3209	73.00	3718	95.00	98432	176.00	75864
50.00	15578	74.00	15013	96.00	6935	177.00	4673
51.00	6053	75.00	45304	97.00	209	178.00	176
52.00	293	76.00	4713	116.00	529		
55.00	178	77.00	531	117.00	561		
56.00	1383	78.00	622	118.00	261		
57.00	2609	79.00	2831	119.00	314		

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40323A-IC.b\BFB1223.D
Date : 23-MAR-2004 09:44
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\BFB1237.D

Date : 06-APR-2004 17:50

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

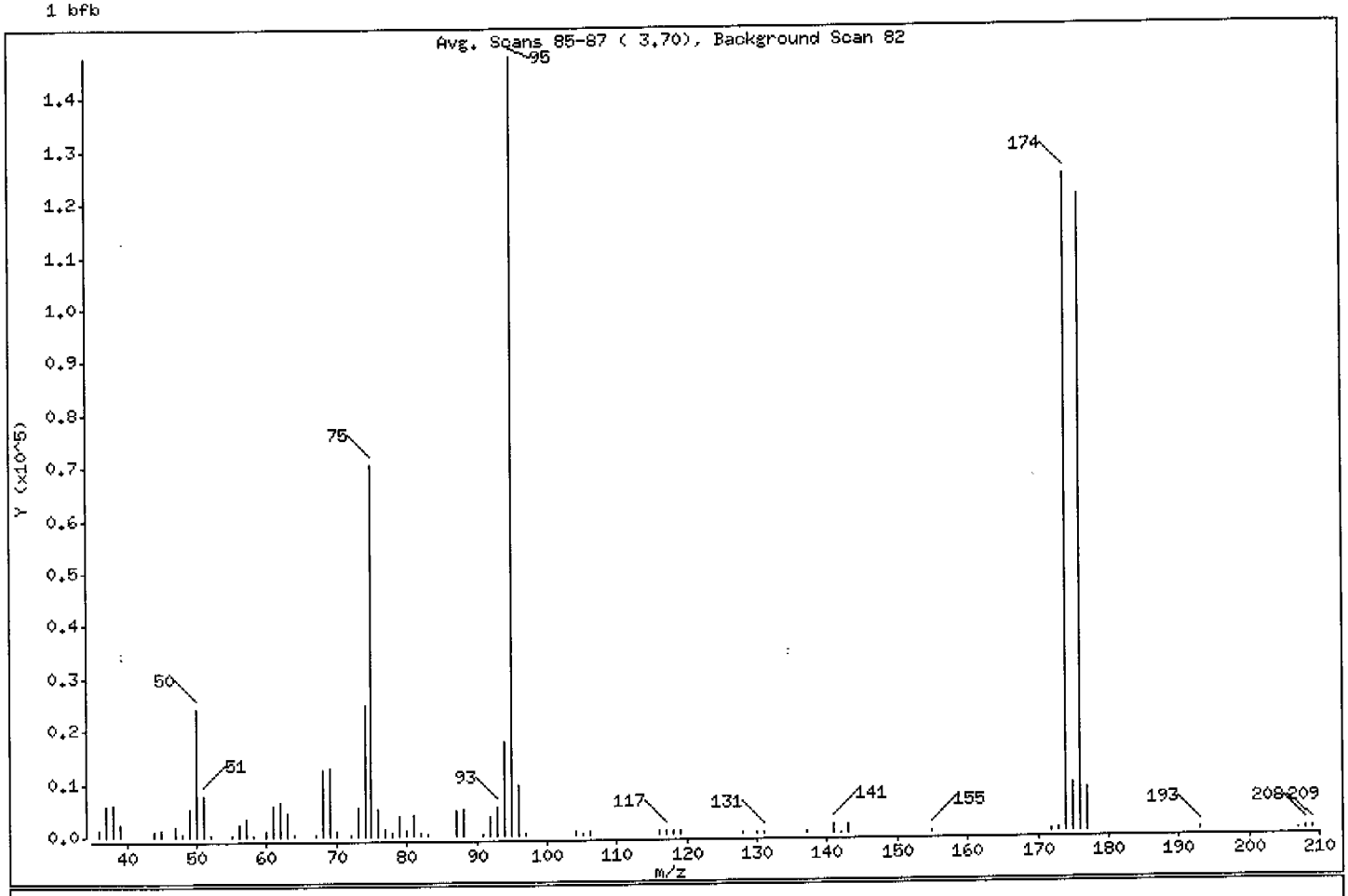
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.37
75	30.00 - 60.00% of mass 95	47.75
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.41 (0.49)
174	50.00 - 100.00% of mass 95	84.42
175	5.00 - 9.00% of mass 174	6.28 (7.44)
176	95.00 - 101.00% of mass 174	81.75 (96.84)
177	5.00 - 9.00% of mass 176	5.46 (6.68)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\BFB1237.D

Date : 06-APR-2004 17:50

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

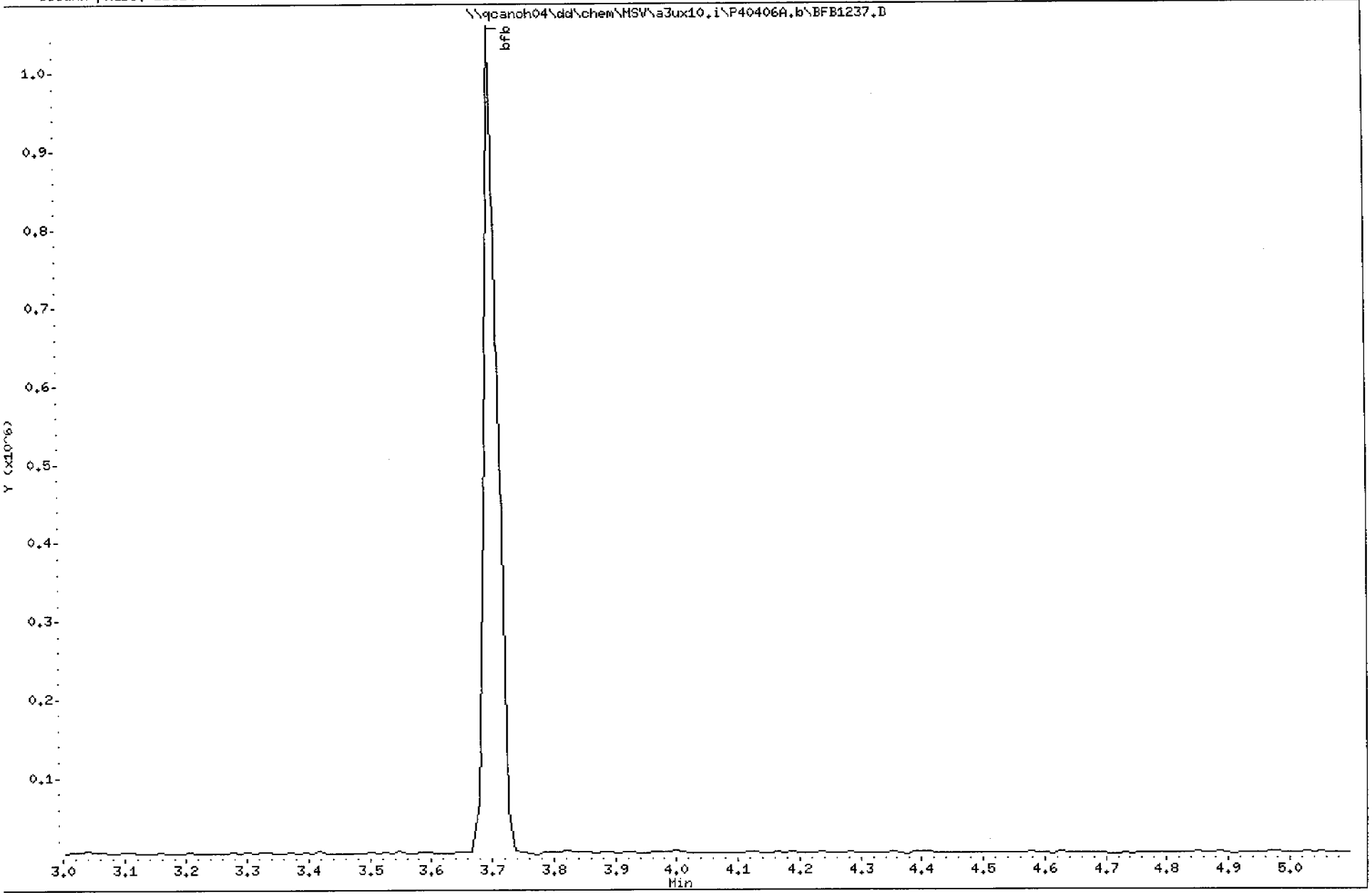
Column diameter: 0.18

Data File: BFB1237.D
Spectrum: Avg. Scans 85-87 (3.70), Background Scan 82
Location of Maximum: 95.00
Number of points: 71.

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1324	62.00	6329	83.00	215	130.00	285
37.00	5897	63.00	4437	87.00	4642	131.00	358
38.00	6185	64.00	451	88.00	5199	137.00	233
39.00	2539	67.00	200	91.00	340	141.00	1778
44.00	967	68.00	12648	92.00	3900	142.00	167
45.00	1234	69.00	13050	93.00	5387	143.00	1679
47.00	2034	70.00	1107	94.00	17576	155.00	367
48.00	650	72.00	227	95.00	147584	172.00	193
49.00	5351	73.00	5507	96.00	9550	173.00	612
50.00	24160	74.00	24656	97.00	242	174.00	124608
51.00	7799	75.00	70480	104.00	749	175.00	9267
52.00	225	76.00	5010	105.00	286	176.00	120672
55.00	189	77.00	1276	106.00	636	177.00	8063
56.00	2373	78.00	595	116.00	760	193.00	234
57.00	3529	79.00	3834	117.00	766	207.00	22
58.00	226	80.00	1005	118.00	604	208.00	178
60.00	972	81.00	4031	119.00	655	209.00	178
61.00	5750	82.00	654	128.00	227		

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\BFB1237.D
Date : 06-APR-2004 17:50
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\BFB039.D

Date : 02-MAR-2004 21:45

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info: BFB039

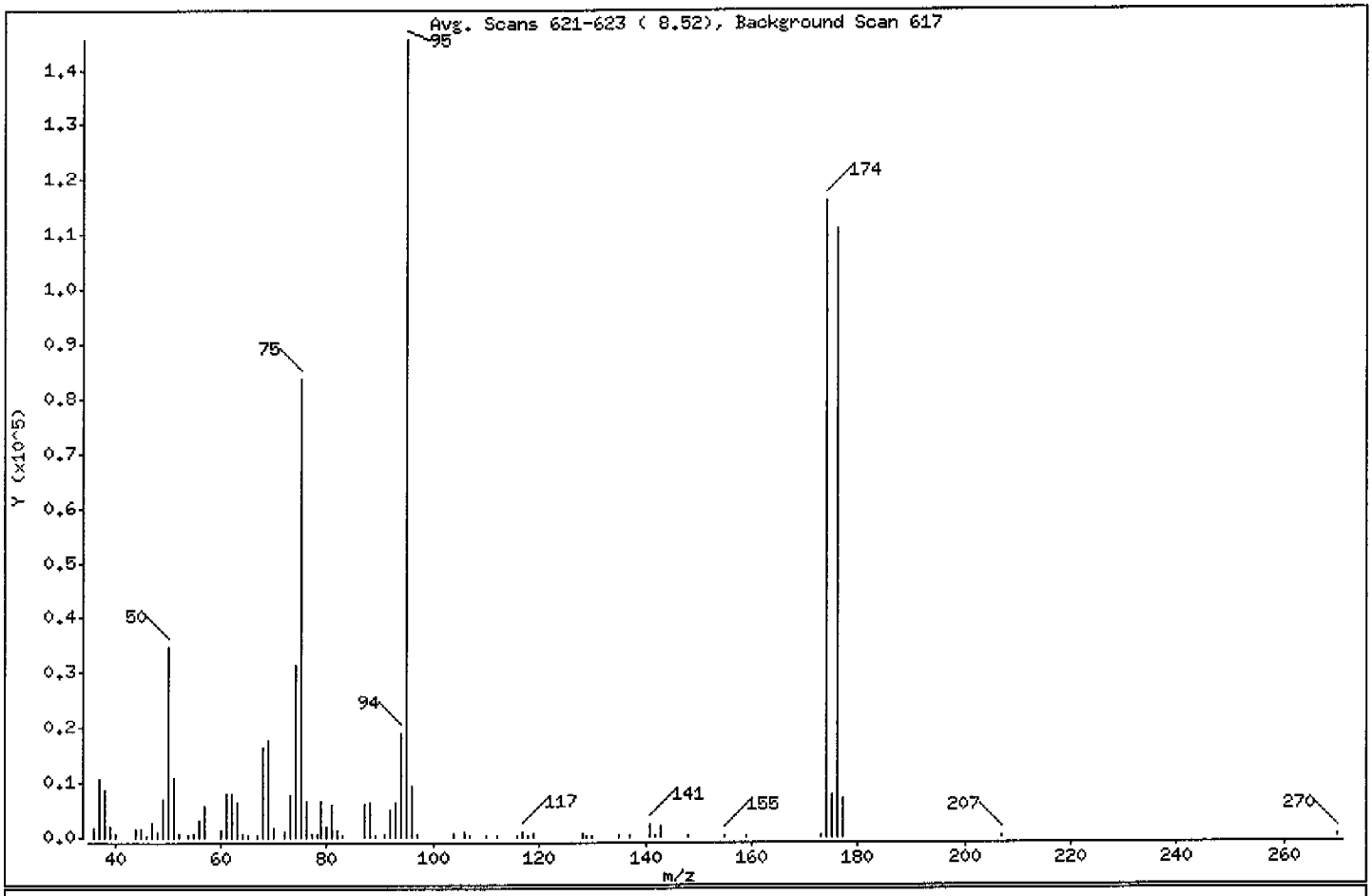
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.01
75	30.00 - 60.00% of mass 95	57.43
96	5.00 - 9.00% of mass 95	6.48
173	Less than 2.00% of mass 174	0.28 (0.35)
174	50.00 - 100.00% of mass 95	79.65
175	5.00 - 9.00% of mass 174	5.19 (6.52)
176	95.00 - 101.00% of mass 174	76.28 (95.77)
177	5.00 - 9.00% of mass 176	4.84 (6.35)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\BFB039.D

Date : 02-MAR-2004 21:45

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info: BFB039

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB039.D
Spectrum: Avg. Scans 621-623 (8.52), Background Scan 617
Location of Maximum: 95.00
Number of points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1747	62.00	8158	87.00	6123	129.00	283
37.00	10626	63.00	6474	88.00	6335	130.00	389
38.00	8832	64.00	561	89.00	190	135.00	177
39.00	2153	65.00	198	91.00	513	137.00	179
40.00	761	67.00	260	92.00	5138	141.00	2336
44.00	1668	68.00	16456	93.00	6371	142.00	330
45.00	1744	69.00	17856	94.00	18912	143.00	1854
46.00	349	70.00	1536	95.00	145536	148.00	188
47.00	2534	72.00	978	96.00	9434	155.00	246
48.00	991	73.00	7837	97.00	703	159.00	175
49.00	7051	74.00	31288	104.00	750	173.00	409
50.00	34952	75.00	83616	106.00	856	174.00	115960
51.00	10901	76.00	6537	107.00	172	175.00	7561
52.00	604	77.00	809	110.00	190	176.00	111056
54.00	179	78.00	502	112.00	199	177.00	7049
55.00	596	79.00	6539	116.00	236	207.00	202
56.00	3176	80.00	1910	117.00	1151	270.00	186
57.00	5627	81.00	6005	118.00	464		
60.00	1501	82.00	1216	119.00	656		
61.00	8050	83.00	187	128.00	562		

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40302B-A9IC.b\BFB039.D

Page 2

Date : 02-MAR-2004 21:45

Client ID: 50NG BFB

Instrument: a3ux11.i

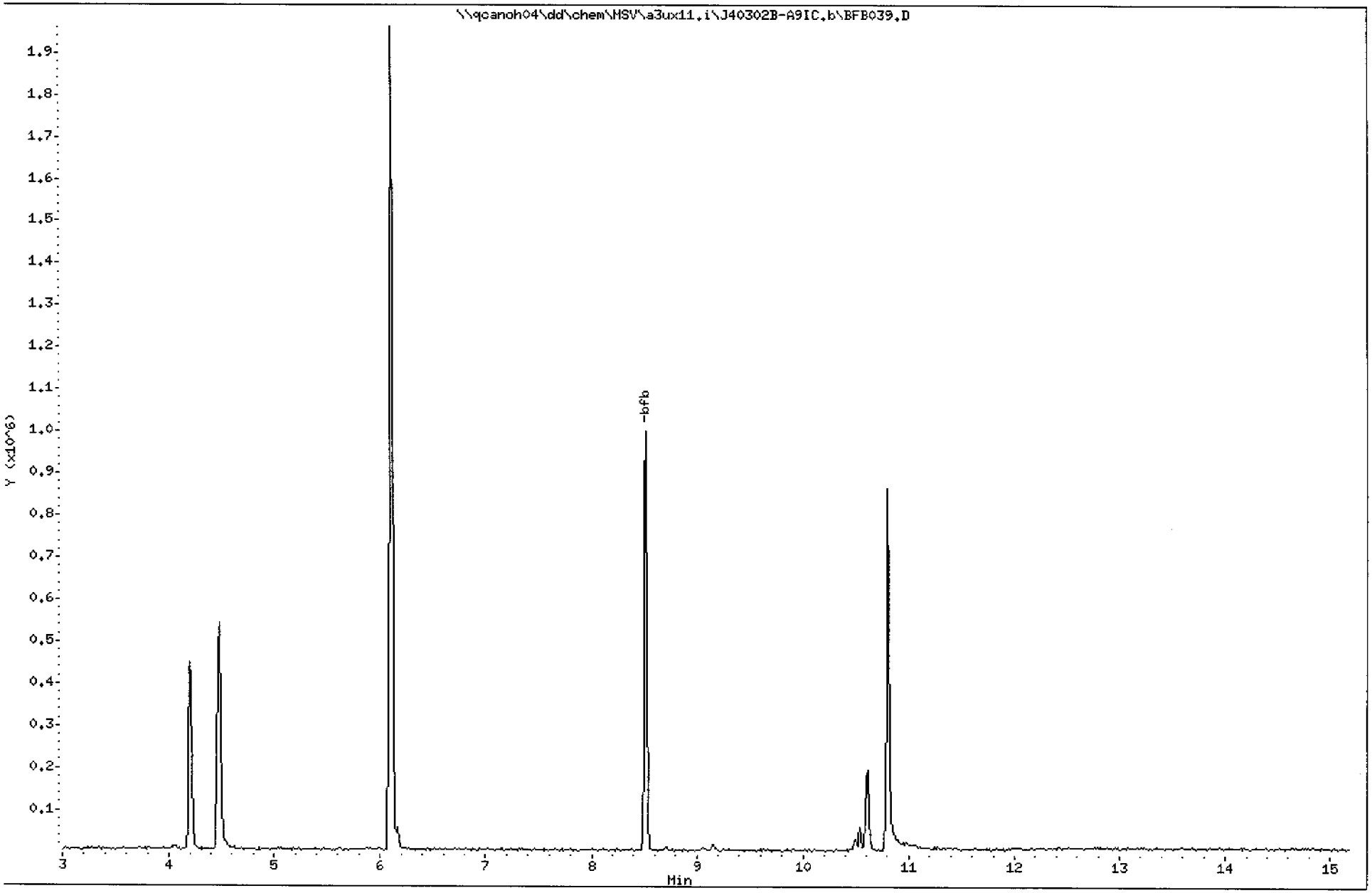
Sample Info: BFB039

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\BFB042.D

Date : 05-MAR-2004 07:45

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

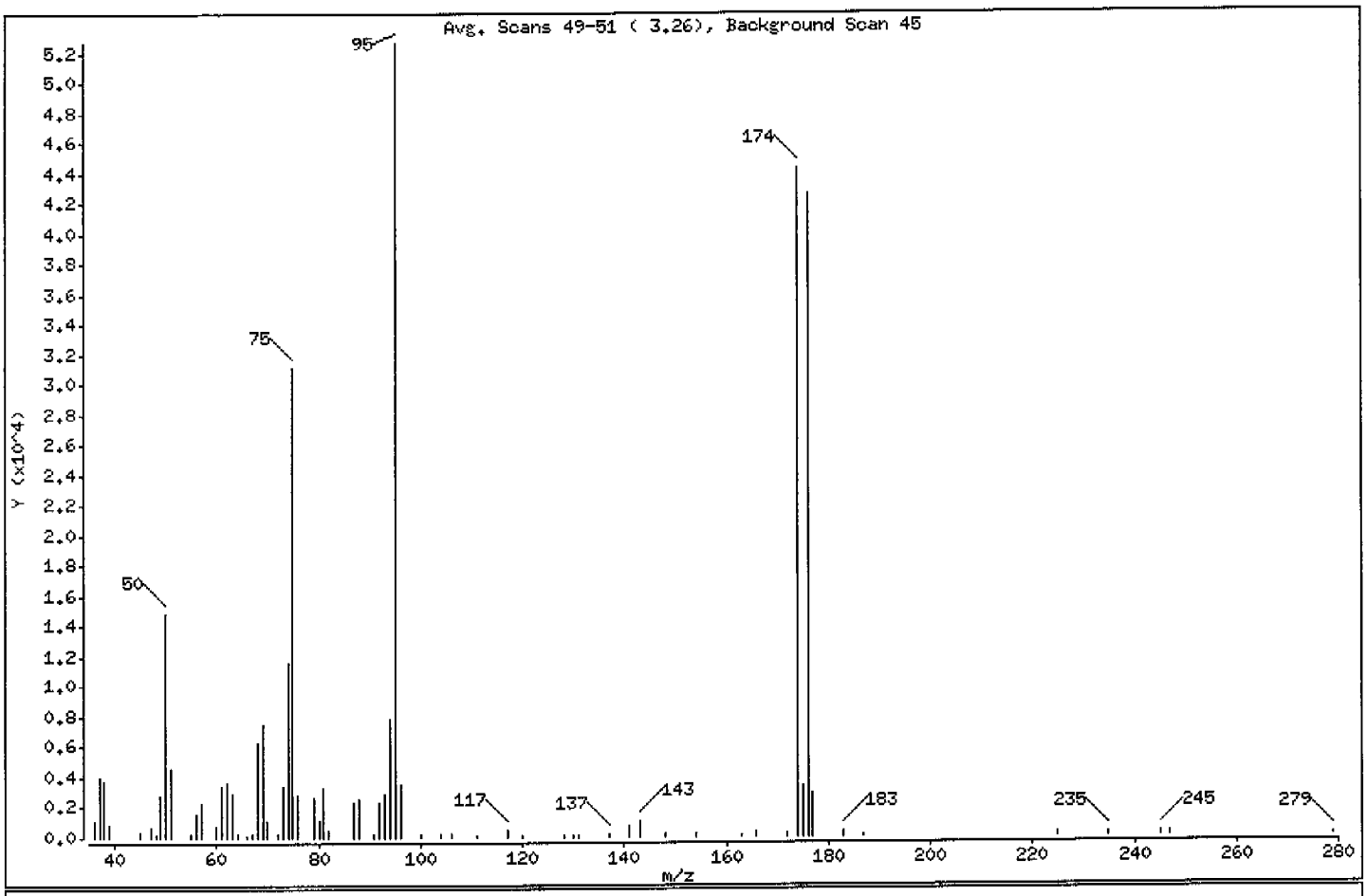
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.19
75	30.00 - 60.00% of mass 95	59.09
96	5.00 - 9.00% of mass 95	6.59
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	84.11
175	5.00 - 9.00% of mass 174	6.49 (7.72)
176	95.00 - 101.00% of mass 174	80.84 (96.10)
177	5.00 - 9.00% of mass 176	5.55 (6.87)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\BFB042.D

Date : 05-MAR-2004 07:45

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB042.D
Spectrum: Avg. Scans 49-51 (3.26), Background Scan 45
Location of Maximum: 95.00
Number of points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1108	66.00	178	93.00	2945	163.00	168
37.00	4005	67.00	197	94.00	7845	166.00	388
38.00	3752	68.00	6324	95.00	52712	172.00	182
39.00	807	69.00	7572	96.00	3472	174.00	44336
45.00	312	70.00	1100	100.00	236	175.00	3421
47.00	748	72.00	249	104.00	252	176.00	42608
48.00	202	73.00	3391	106.00	225	177.00	2927
49.00	2802	74.00	11691	111.00	180	183.00	383
50.00	14861	75.00	31144	117.00	479	187.00	175
51.00	4629	76.00	2815	120.00	175	225.00	255
55.00	235	79.00	2705	128.00	179	235.00	256
56.00	1587	80.00	1109	130.00	180	245.00	189
57.00	2290	81.00	3222	131.00	166	247.00	184
60.00	675	82.00	516	137.00	194	279.00	176
61.00	3346	87.00	2293	141.00	714		
62.00	3606	88.00	2537	143.00	1086		
63.00	2959	91.00	267	148.00	188		
64.00	219	92.00	2301	154.00	192		

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40305A.b\BFB042.D

Page 2

Date : 05-MAR-2004 07:45

Client ID: 50NG BFB

Instrument: a3ux11.i

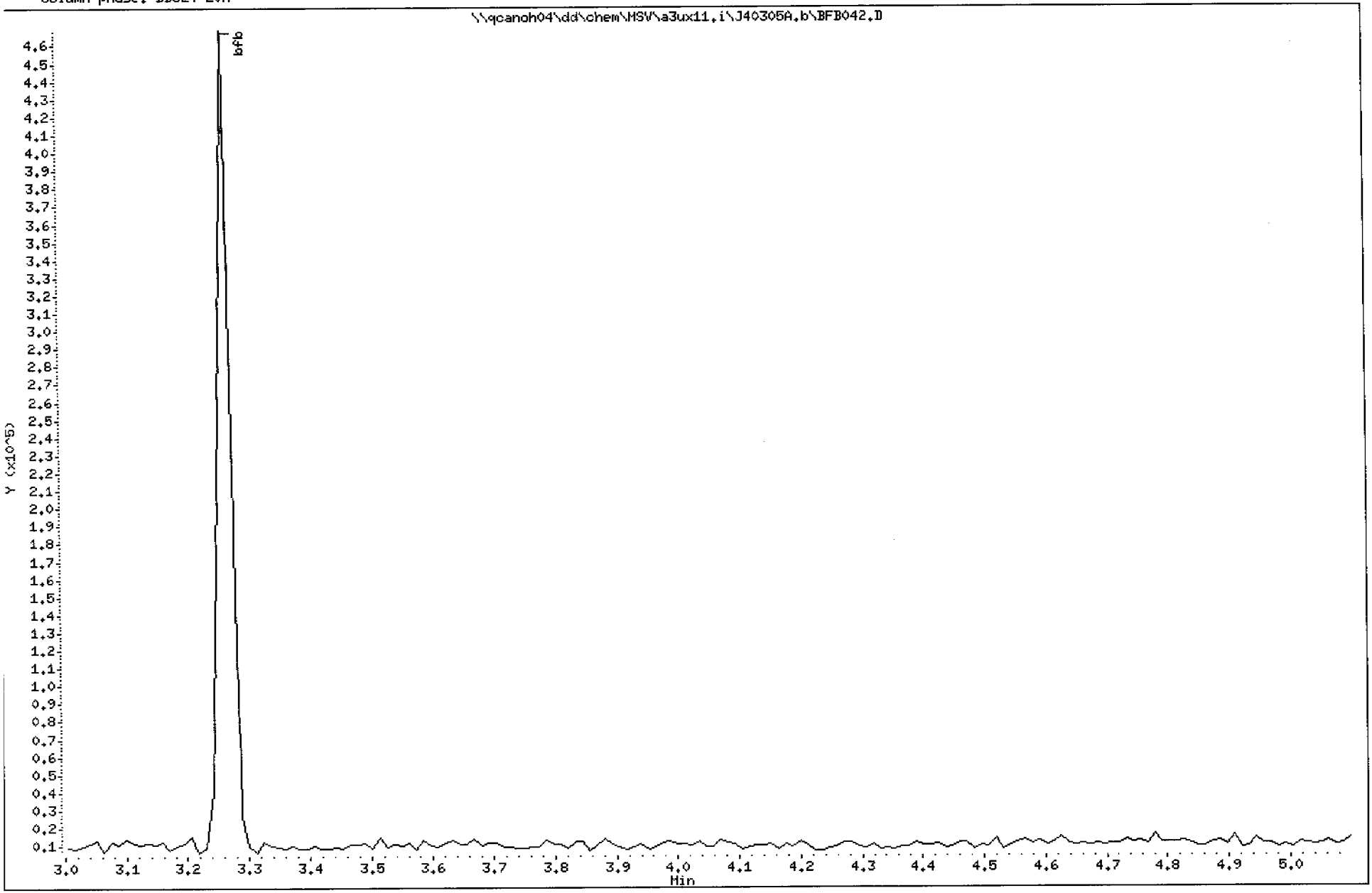
Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\BFB074.D

Date : 07-APR-2004 21:04

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info: BFB074

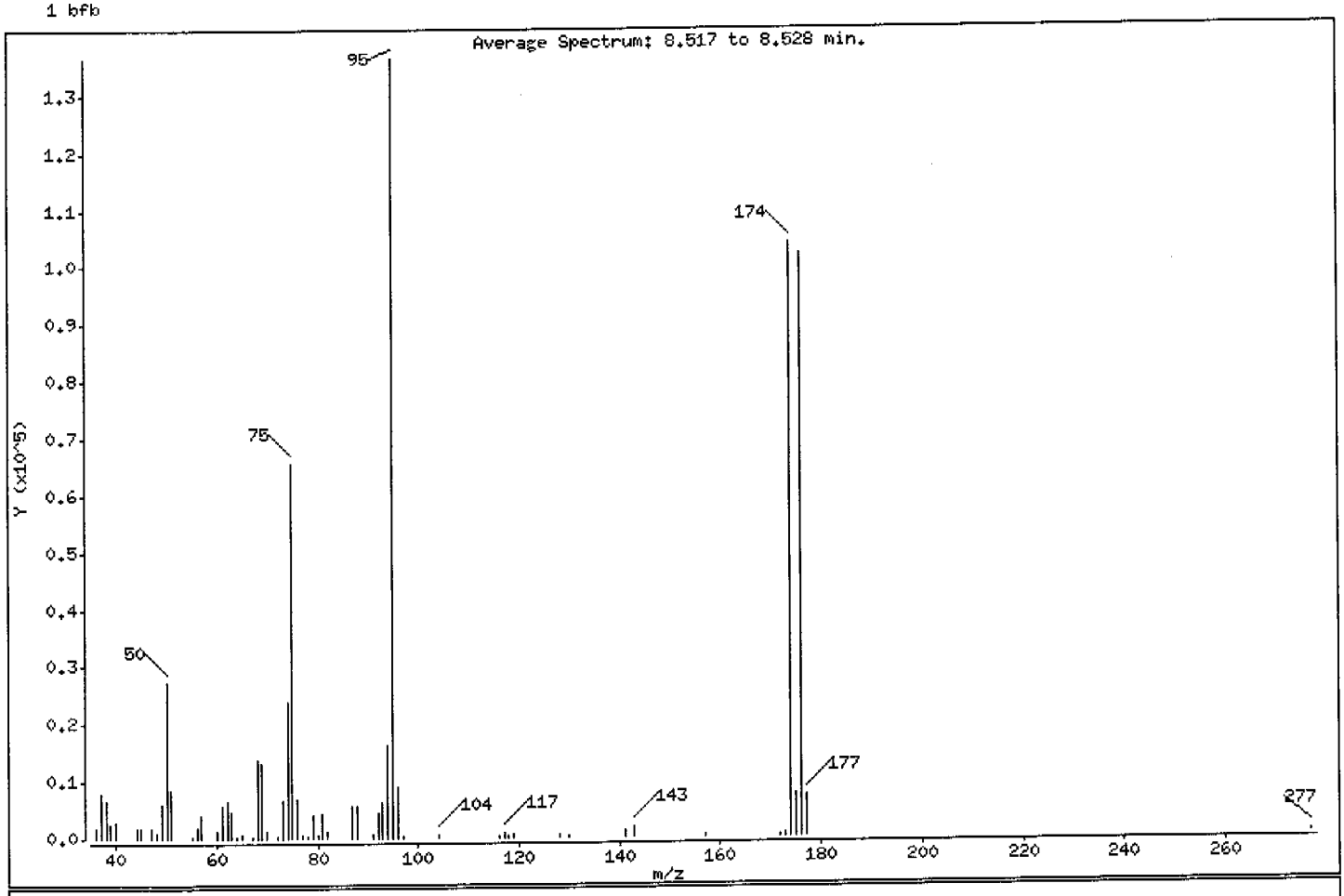
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.08
75	30.00 - 60.00% of mass 95	48.03
96	5.00 - 9.00% of mass 95	6.65
173	Less than 2.00% of mass 174	0.41 (0.53)
174	50.00 - 100.00% of mass 95	76.11
175	5.00 - 9.00% of mass 174	5.49 (7.21)
176	95.00 - 101.00% of mass 174	74.64 (98.06)
177	5.00 - 9.00% of mass 176	5.26 (7.05)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\BFB074.D

Date : 07-APR-2004 21:04

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info: BFB074

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

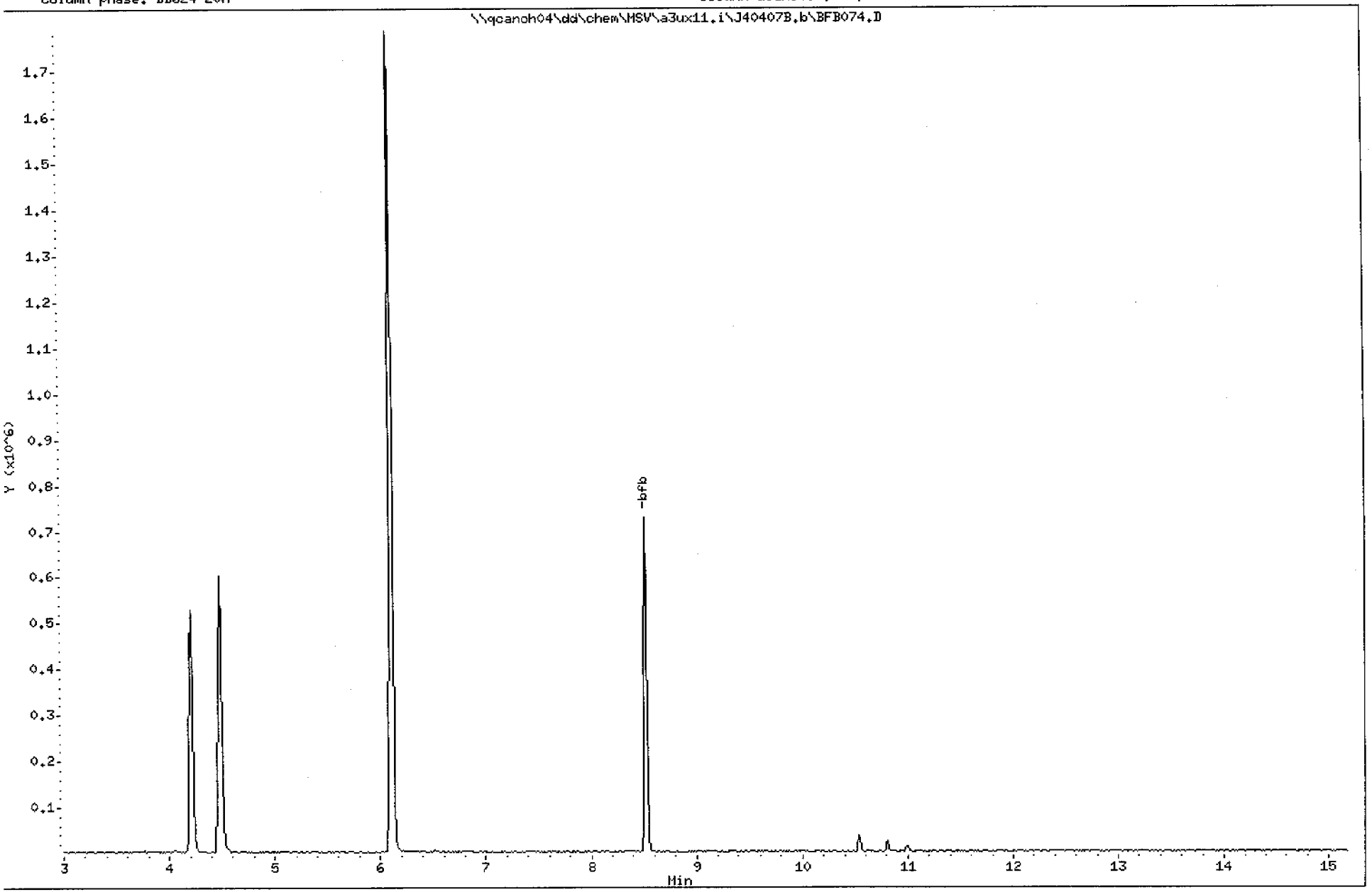
Column diameter: 0.18

Data File: BFB074.D
Spectrum: Average Spectrum: 8.517 to 8.528 min.
Location of Maximum: 95.00
Number of points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1727	61.00	5703	79.00	3985	118.00	264
37.00	7922	62.00	6477	80.00	777	119.00	744
38.00	6680	63.00	4775	81.00	4416	128.00	602
39.00	2495	64.00	390	82.00	1266	130.00	363
40.00	2875	65.00	620	87.00	5574	141.00	1388
44.00	1890	67.00	294	88.00	5797	143.00	1934
45.00	1753	68.00	13881	91.00	572	157.00	389
47.00	1871	69.00	13092	92.00	4280	172.00	367
48.00	989	70.00	1133	93.00	6347	173.00	555
49.00	5940	72.00	342	94.00	16480	174.00	103992
50.00	27440	73.00	6592	95.00	136576	175.00	7495
51.00	8382	74.00	23928	96.00	9086	176.00	101976
55.00	258	75.00	65624	97.00	265	177.00	7192
56.00	1847	76.00	6757	104.00	657	277.00	411
57.00	3956	77.00	746	116.00	344		
60.00	1114	78.00	451	117.00	849		

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\BFB074.D
Date : 07-APR-2004 21:04
Client ID: 50NG BFB
Sample Info: BFB074
Volume Injected (uL): 1.0
Column phase: DB624 20M

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



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GD05V1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4D120000-342 GD05V1AD-LCSD
Prep Date.....: 04/09/04 **Analysis Date..:** 04/09/04
Prep Batch #...: 4103342
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**103**	**(80 - 116)**			**SW846 8260B**
	105	**(80 - 116)**	**2.4**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**102**	**(76 - 117)**			**SW846 8260B**
	107	**(76 - 117)**	**4.2**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**99**	**(63 - 130)**			**SW846 8260B**
	106	**(63 - 130)**	**6.8**	**(0-20)**	**SW846 8260B**
Toluene	**103**	**(74 - 119)**			**SW846 8260B**
	106	**(74 - 119)**	**3.1**	**(0-20)**	**SW846 8260B**
Trichloroethene	**103**	**(75 - 122)**			**SW846 8260B**
	107	**(75 - 122)**	**4.1**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
	100	(61 - 128)
Toluene-d8	94	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)
	88	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GD05V1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4D120000-342 GD05V1AD-LCSD
Prep Date.....: 04/09/04 **Analysis Date..:** 04/09/04
Prep Batch #...: 4103342
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**11**	**ug/L**	**105**	**2.4**	**SW846 8260B**
Chlorobenzene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**11**	**ug/L**	**107**	**4.2**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**6.8**	**SW846 8260B**
Toluene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**3.1**	**SW846 8260B**
Trichloroethene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**11**	**ug/L**	**107**	**4.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
	100	(61 - 128)
Toluene-d8	94	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)
	88	(74 - 116)

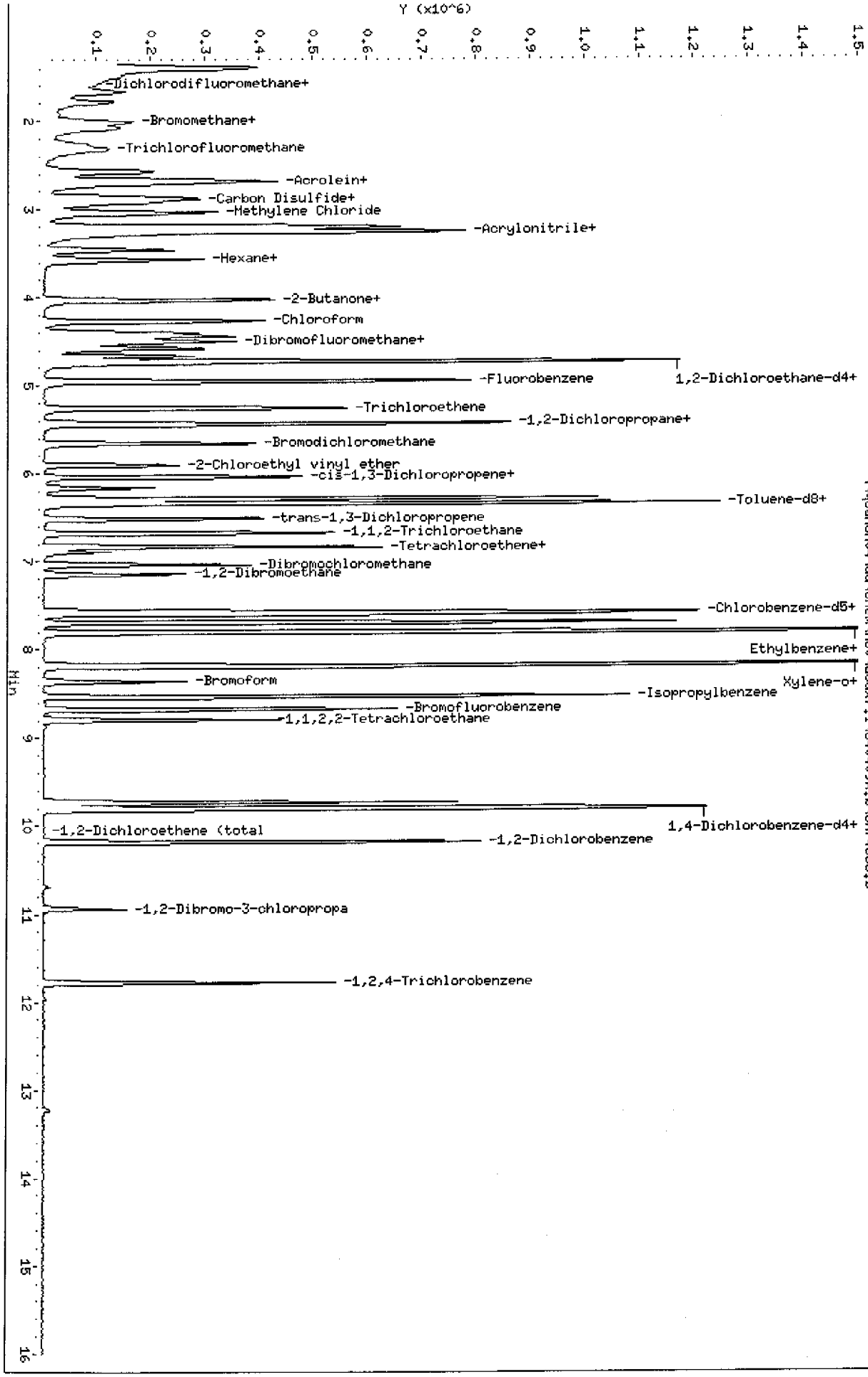
NOTE(S):

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

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40409A.b\UX74656.D
Date : 09-APR-2004 10:07
Client ID: GDOSV/AC
Sample Info: LCS
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74656.D
Report Date: 10-Apr-2004 10:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74656.D
Lab Smp Id: LCS
Inj Date : 09-APR-2004 10:07
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCS
Misc Info : U40409A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Meth Date : 10-Apr-2004 10:06 evansl Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.951	4.940	(1.000)	909847	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	719815	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	333499	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.396	(0.888)	200486	50.9853	10.197
$ 5 1,2-Dichloroethane-d4	65	4.667	4.668	(0.943)	236090	50.6084	10.122
$ 6 Toluene-d8	98	6.277	6.278	(0.830)	759968	47.1634	9.433
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.145)	245743	42.7815	8.556
8 Dichlorodifluoromethane	85	1.579	1.592	(0.319)	126111	29.8916	5.978
9 Chloromethane	50	1.662	1.663	(0.336)	250439	42.5801	8.516
10 Vinyl Chloride	62	1.780	1.781	(0.360)	249067	47.1057	9.421
11 Bromomethane	94	2.005	2.018	(0.405)	223046	54.0757	10.815
12 Chloroethane	64	2.076	2.077	(0.419)	193160	54.0003	10.800
13 Trichlorofluoromethane	101	2.313	2.325	(0.467)	346043	55.2776	11.056
15 Acrolein	56	2.573	2.562	(0.520)	384562	594.694	118.94
16 Acetone	43	2.680	2.680	(0.541)	64784	34.2171	6.843
17 1,1-Dichloroethene	96	2.668	2.680	(0.539)	199934	49.2955	9.859
18 Freon-113	151	2.691	2.692	(0.544)	155756	54.2370	10.847
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.D\UX74656.D
Report Date: 10-Apr-2004 10:07

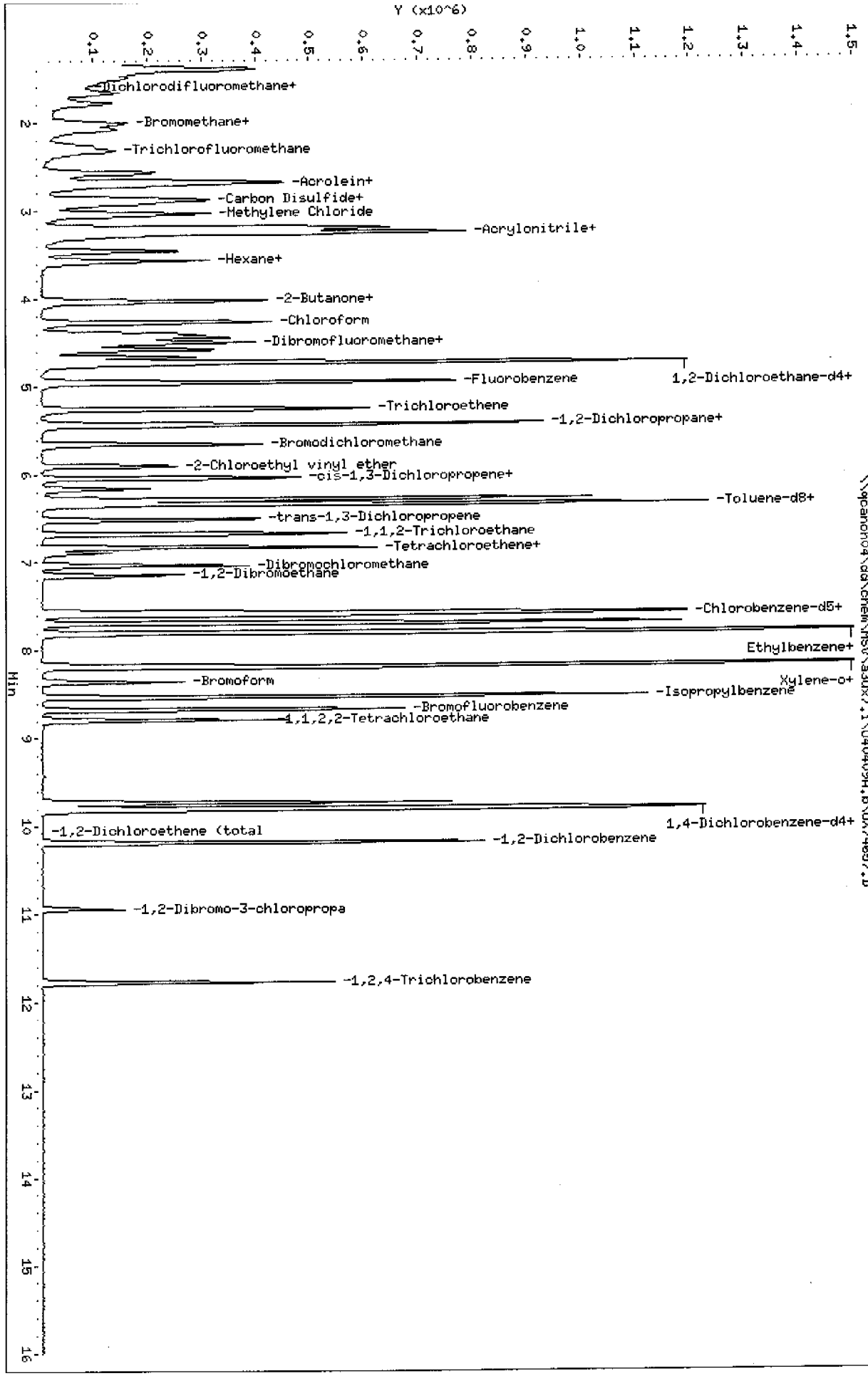
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.869	2.870	(0.579)	713292	52.0199	10.404
	21 Methylene Chloride	84	3.035	3.035	(0.613)	252589	54.0981	10.820
	22 Acetonitrile	41	2.893	2.893	(0.584)	292596	615.918	123.18
	23 Acrylonitrile	53	3.200	3.201	(0.646)	826974	560.118	112.02
	24 Methyl tert-butyl ether	73	3.259	3.248	(0.658)	509229	38.3189	7.664
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	248477	54.1255	10.825
	26 Hexane	86	3.461	3.461	(0.699)	30040	41.4198	8.284
	27 Vinyl acetate	43	3.461	3.591	(0.699)	94314	12.1724	2.434
	28 1,1-Dichloroethane	63	3.567	3.568	(0.720)	380180	52.9512	10.590
	29 tert-Butyl Alcohol	59	2.928	3.094	(0.591)	10957	34.4348	6.887
	30 2-Butanone	43	4.017	4.006	(0.811)	78636	33.3987	6.680
M	31 1,2-Dichloroethene (total)	96				497435	105.586	21.117
	32 cis-1,2-dichloroethene	96	4.028	4.017	(0.814)	248958	51.4606	10.292
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.265	4.266	(0.861)	397587	54.5118	10.902
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	310354	46.4919	9.298
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.574	(0.926)	257918	46.2523	9.250
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	301088	55.0519	11.010
	41 Benzene	78	4.727	4.727	(0.955)	948273	51.3250	10.265
	42 Trichloroethene	130	5.259	5.248	(1.062)	247528	51.4456	10.289
	43 1,2-Dichloropropane	63	5.425	5.426	(1.096)	216388	51.5165	10.303
	44 1,4-Dioxane	88	5.531	5.532	(1.117)	992	30.5123	6.102
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.650	5.650	(1.141)	305077	55.1807	11.036
	47 2-Chloroethyl vinyl ether	63	5.898	5.899	(1.191)	127499	46.2634	9.253
	48 cis-1,3-Dichloropropene	75	6.028	6.029	(1.217)	315311	43.8692	8.774
	49 4-Methyl-2-pentanone	43	6.158	6.147	(1.244)	162924	40.7383	8.148
	50 Toluene	91	6.336	6.337	(0.837)	1034711	51.4553	10.291
	51 trans-1,3-Dichloropropene	75	6.513	6.502	(0.861)	264846	39.7272	7.945
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.667	6.668	(0.881)	207658	52.1064	10.421
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.834	(0.903)	178605	50.2476	10.050
	56 2-Hexanone	43	6.892	6.881	(0.911)	107412	32.9714	6.594
	57 Dibromochloromethane	129	7.034	7.035	(0.930)	240646	51.4912	10.298
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	209117	50.8184	10.164
	59 Chlorobenzene	112	7.590	7.591	(1.003)	642868	51.2366	10.247
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.697	(1.017)	319270	49.4690	9.894
	62 m + p-Xylene	106	7.803	7.804	(1.031)	818931	104.880	20.976
M	63 Xylenes (total)	106				1211784	155.266	31.053
	64 Xylene-o	106	8.170	8.171	(1.080)	392853	50.3865	10.077
	65 Styrene	104	8.182	8.183	(1.081)	693454	49.8479	9.970
	66 Bromoform	173	8.359	8.360	(1.105)	155600	48.6825	9.736

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74656.D
Report Date: 10-Apr-2004 10:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.525	8.526	(1.127)	785534	49.7969	9.959
68 1,1,2,2-Tetrachloroethane	83	8.785	8.786	(0.897)	260462	53.9515	10.790
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.732	9.733	(0.994)	400919	46.5646	9.313
81 1,4-Dichlorobenzene	146	9.815	9.816	(1.002)	466443	51.4762	10.295
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	425345	48.2071	9.641
84 1,2-Dibromo-3-chloropropane	157	10.939	10.940	(1.117)	50928	42.7260	8.545
85 1,2,4-Trichlorobenzene	180	11.779	11.780	(1.203)	210385	39.1242	7.825
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.502	4.503	(0.909)	235253	43.0621	8.612
143 Methyl Acetate	43	2.928	2.929	(0.591)	143912	48.3771	9.675
144 Methylcyclohexane	83	5.437	5.426	(1.098)	190161	41.4200	8.284
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U40409A.b\UX74657.D
Date : 09-APR-2004 10:31
Client ID: GD05V/AD
Sample Info: LCSD
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74657.D
Report Date: 10-Apr-2004 10:08

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74657.D
Lab Smp Id: LCSD
Inj Date : 09-APR-2004 10:31
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCSD
Misc Info : U40409A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Meth Date : 10-Apr-2004 10:06 evansl Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.940	(1.000)	910559	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	699836	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	327967	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	198880	50.5374	10.107
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	233694	50.0556	10.011
$ 6 Toluene-d8	98	6.277	6.278	(0.830)	763359	48.7262	9.745
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	244952	43.8612	8.772
8 Dichlorodifluoromethane	85	1.592	1.592	(0.321)	136789	32.3972	6.479
9 Chloromethane	50	1.663	1.663	(0.336)	249315	42.3559	8.471
10 Vinyl Chloride	62	1.769	1.781	(0.357)	254332	48.0638	9.613
11 Bromomethane	94	2.006	2.018	(0.405)	220043	53.3059	10.661
12 Chloroethane	64	2.077	2.077	(0.419)	196970	55.0223	11.004
13 Trichlorofluoromethane	101	2.313	2.325	(0.467)	369603	58.9949	11.799
15 Acrolein	56	2.562	2.562	(0.517)	377876	583.898	116.78
16 Acetone	43	2.668	2.680	(0.539)	66989	35.3235	7.065
17 1,1-Dichloroethene	96	2.668	2.680	(0.539)	214268	52.7884	10.558
18 Freon-113	151	2.692	2.692	(0.544)	167079	58.0008	11.600
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanon04\dd\chem\MSV\a3ux7.1\U40409A.b\UX7465?.D
Report Date: 10-Apr-2004 10:08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.869	2.870	(0.579)	734552	53.5285	10.706
	21 Methylene Chloride	84	3.035	3.035	(0.613)	255849	54.7535	10.951
	22 Acetonitrile	41	2.893	2.893	(0.584)	283827	596.992	119.40
	23 Acrylonitrile	53	3.201	3.201	(0.646)	830419	562.011	112.40
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	512671	38.5477	7.710
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	256046	55.7307	11.146
	26 Hexane	86	3.461	3.461	(0.699)	35473	49.0630	9.813
	27 Vinyl acetate	43	3.461	3.591	(0.699)	112458	14.5027	2.900
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	386550	53.7963	10.759
	29 tert-Butyl Alcohol	59	2.940	3.094	(0.594)	11560	36.3014	7.260
	30 2-Butanone	43	4.017	4.006	(0.811)	76980	32.6698	6.534
M	31 1,2-Dichloroethene (total)	96				502470	106.628	21.326
	32 cis-1,2-dichloroethene	96	4.029	4.017	(0.814)	246424	50.8970	10.179
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.266	4.266	(0.861)	401345	54.9840	10.997
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	323839	48.4740	9.695
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.574	(0.926)	263817	47.2732	9.455
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	301329	55.0529	11.010
	41 Benzene	78	4.727	4.727	(0.955)	971671	52.5503	10.510
	42 Trichloroethene	130	5.248	5.248	(1.060)	258029	53.5861	10.717
	43 1,2-Dichloropropane	63	5.425	5.426	(1.096)	217451	51.7291	10.346
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.650	5.650	(1.141)	307076	55.4988	11.100
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	123954	44.9420	8.988
	48 cis-1,3-Dichloropropene	75	6.029	6.029	(1.217)	319377	44.4001	8.880
	49 4-Methyl-2-pentanone	43	6.159	6.147	(1.244)	162149	40.5128	8.102
	50 Toluene	91	6.336	6.337	(0.837)	1037460	53.0649	10.613
	51 trans-1,3-Dichloropropene	75	6.502	6.502	(0.859)	265704	40.9937	8.199
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.668	6.668	(0.881)	211667	54.6287	10.926
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.834	(0.903)	178014	51.5111	10.302
	56 2-Hexanone	43	6.893	6.881	(0.911)	106137	33.5101	6.702
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	236655	52.0828	10.416
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	205053	51.2533	10.251
	59 Chlorobenzene	112	7.591	7.591	(1.003)	651841	53.4348	10.687
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.697	(1.017)	325380	51.8550	10.371
	62 m + p-Xylene	106	7.804	7.804	(1.031)	827059	108.944	21.789
M	63 Xylenes (total)	106				1227278	161.741	32.348
	64 Xylene-o	106	8.171	8.171	(1.080)	400219	52.7966	10.559
	65 Styrene	104	8.182	8.183	(1.081)	715331	52.8884	10.578
	66 Bromoform	173	8.360	8.360	(1.105)	154663	49.7707	9.954

Data File: \\qcanon04\dd\chem\MSV\a3ux7.1\U40409A.b\UX74657.D
Report Date: 10-Apr-2004 10:08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.526	8.526	(1.127)	813653	53.0519	10.610
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	265623	55.9486	11.190
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.732	9.733	(0.994)	422670	49.9189	9.984
81 1,4-Dichlorobenzene	146	9.815	9.816	(1.002)	462463	51.8978	10.380
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	434947	50.1268	10.025
84 1,2-Dibromo-3-chloropropane	157	10.939	10.940	(1.117)	51962	44.3288	8.866
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	214960	40.6492	8.130
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.502	4.503	(0.909)	251317	45.9666	9.193
143 Methyl Acetate	43	2.929	2.929	(0.591)	140261	47.1130	9.422
144 Methylcyclohexane	83	5.425	5.426	(1.096)	213743	46.5201	9.304
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GDNMA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4D070000-187 GDNMA1AD-LCSD
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**92**	**(80 - 116)**			**SW846 8260B**
	98	**(80 - 116)**	**6.5**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**93**	**(76 - 117)**			**SW846 8260B**
	97	**(76 - 117)**	**3.7**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**93**	**(63 - 130)**			**SW846 8260B**
	95	**(63 - 130)**	**2.4**	**(0-20)**	**SW846 8260B**
Toluene	**95**	**(74 - 119)**			**SW846 8260B**
	96	**(74 - 119)**	**0.61**	**(0-20)**	**SW846 8260B**
Trichloroethene	**92**	**(75 - 122)**			**SW846 8260B**
	98	**(75 - 122)**	**5.8**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	110	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	97	(61 - 128)
Toluene-d8	103	(76 - 110)
	101	(76 - 110)
4-Bromofluorobenzene	104	(74 - 116)
	101	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GDNMA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4D070000-187 GDNMA1AD-LCSD
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

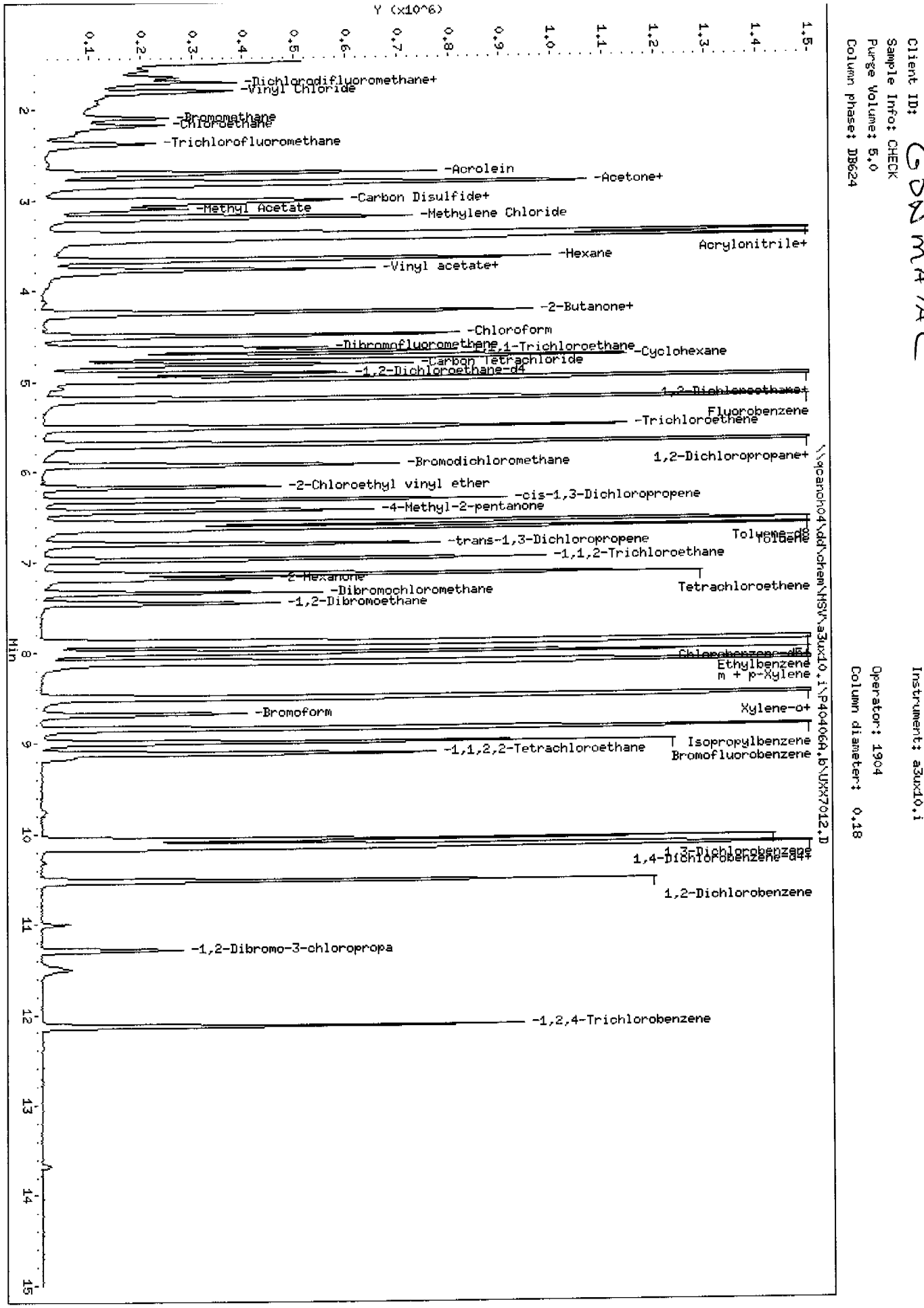
PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**6.5**	**SW846 8260B**
Chlorobenzene	**10**	**9.3**	**ug/L**	**93**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**3.7**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.3**	**ug/L**	**93**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**2.4**	**SW846 8260B**
Toluene	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**0.61**	**SW846 8260B**
Trichloroethene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**5.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	110	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	97	(61 - 128)
Toluene-d8	103	(76 - 110)
	101	(76 - 110)
4-Bromofluorobenzene	104	(74 - 116)
	101	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters


Data File: \\qcanch04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7012.D
Date : 06-APR-2004 18:59
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Chloroform
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-2-Hexanone
Tetrachloroethene
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7012.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7012.D
Lab Smp Id: CHECK
Inj Date : 06-APR-2004 18:59
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P40406A,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 10:07 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.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: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

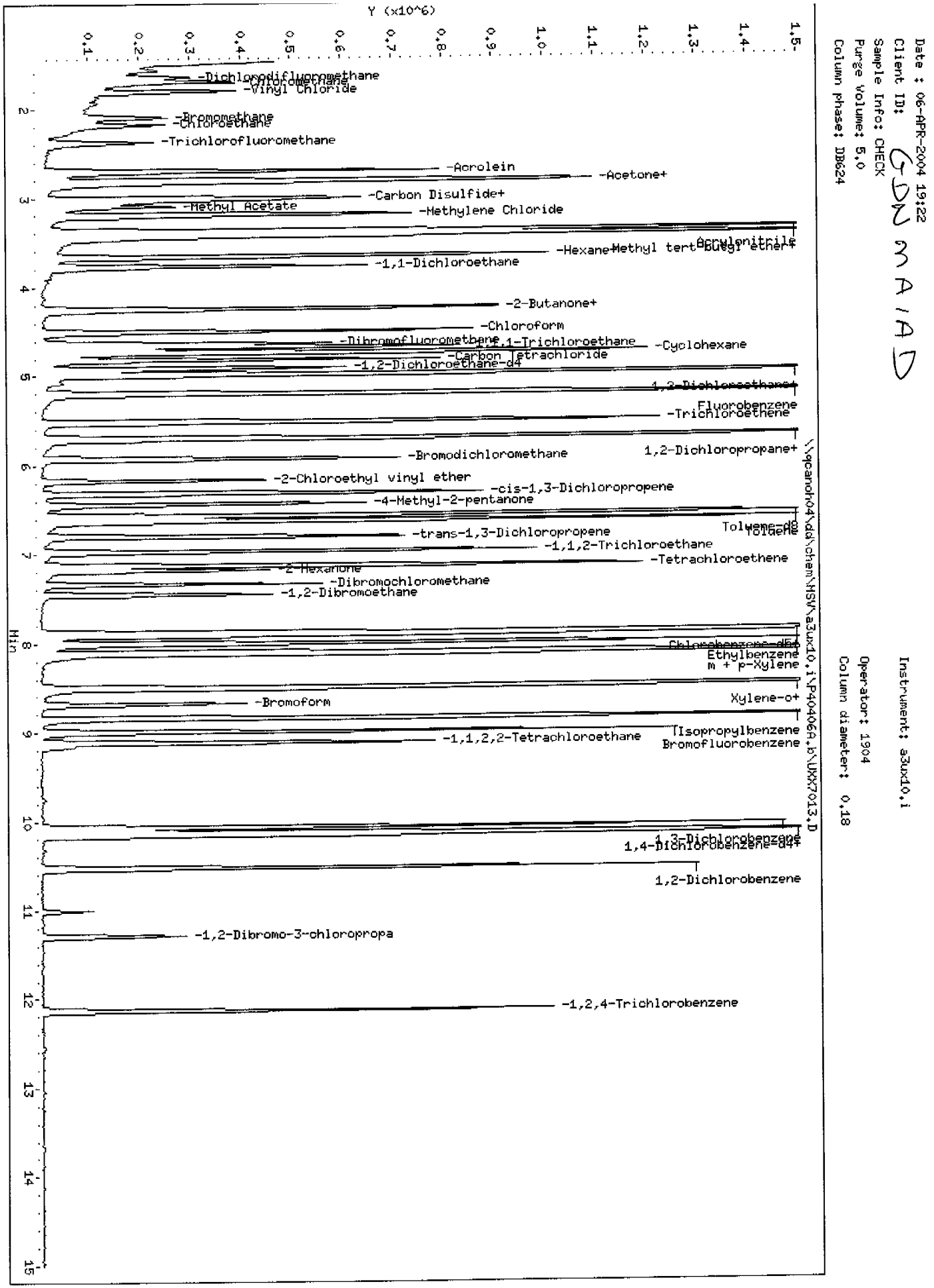
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.204	5.205	(1.000)	1992720	50.0000	
* 2 Chlorobenzene-d5	117	7.878	7.879	(1.000)	1338634	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	(1.000)	620191	50.0000	
$ 4 Dibromofluoromethane	113	4.636	4.625	(0.891)	388147	52.8260	10.565
$ 5 1,2-Dichloroethane-d4	65	4.920	4.909	(0.945)	448600	47.5765	9.515
$ 6 Toluene-d8	98	6.564	6.566	(0.833)	1472082	51.4668	10.293
$ 7 Bromofluorobenzene	95	8.990	8.992	(1.141)	510502	51.9772	10.395
8 Dichlorodifluoromethane	85	1.571	1.561	(0.302)	141239	25.1237	5.025
9 Chloromethane	50	1.701	1.702	(0.327)	348344	40.9065	8.181
10 Vinyl Chloride	62	1.796	1.797	(0.345)	358819	42.7079	8.542
11 Bromomethane	94	2.092	2.093	(0.402)	168095	45.0571	9.011
12 Chloroethane	64	2.174	2.176	(0.418)	215201	39.2461	7.849
13 Trichlorofluoromethane	101	2.376	2.377	(0.457)	270483	31.4799	6.296
15 Acrolein	56	2.695	2.696	(0.518)	913644	504.814	100.96
16 Acetone	43	2.825	2.815	(0.543)	171904	24.4800	4.896
17 1,1-Dichloroethene	96	2.802	2.803	(0.538)	365321	46.4914	9.298
18 Freon-113	151	2.825	2.827	(0.543)	275987	49.9964	9.999
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40406A.D\UXX7012.D
Report Date: 08-Apr-2004 10:08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
20 Carbon Disulfide	76	3.003	3.004	(0.577)	1145767	51.0239	10.205
21 Methylene Chloride	84	3.192	3.193	(0.613)	403544	46.9681	9.394
22 Acetonitrile	41	3.038	3.040	(0.584)	509098	417.583	83.516
23 Acrylonitrile	53	3.370	3.371	(0.648)	1934315	436.493	87.298
24 Methyl tert-butyl ether	73	3.429	3.418	(0.659)	1168291	49.4382	9.888
25 trans-1,2-Dichloroethene	96	3.429	3.430	(0.659)	422233	47.8456	9.569
26 Hexane	86	3.665	3.655	(0.704)	106888	52.4610	10.492
27 Vinyl acetate	43	3.819	3.785	(0.734)	53238	3.42809	0.6856
28 1,1-Dichloroethane	63	3.772	3.773	(0.725)	695468	48.9597	9.792
29 tert-Butyl Alcohol	59	Compound Not Detected.					
30 2-Butanone	43	4.233	4.235	(0.814)	237383	29.4296	5.886
M 31 1,2-Dichloroethene (total)	96				865742	96.4544	19.291
32 cis-1,2-dichloroethene	96	4.245	4.247	(0.816)	443509	48.6087	9.722
33 2,2-Dichloropropane	77	Compound Not Detected.					
34 Bromochloromethane	128	Compound Not Detected.					
35 Chloroform	83	4.494	4.495	(0.864)	705545	48.3247	9.665
36 Tetrahydrofuran	42	Compound Not Detected.					
37 1,1,1-Trichloroethane	97	4.671	4.673	(0.898)	534958	47.3804	9.476
38 1,1-Dichloropropene	75	Compound Not Detected.					
39 Carbon Tetrachloride	117	4.825	4.815	(0.927)	498693	50.3169	10.063
40 1,2-Dichloroethane	62	4.979	4.980	(0.957)	567713	49.7166	9.943
41 Benzene	78	4.979	4.980	(0.957)	1627664	45.8865	9.177
42 Trichloroethene	130	5.523	5.513	(1.061)	475103	46.2464	9.249
43 1,2-Dichloropropane	63	5.701	5.702	(1.095)	367217	46.1330	9.226
44 1,4-Dioxane	88	Compound Not Detected.					
45 Dibromomethane	93	Compound Not Detected.					
46 Bromodichloromethane	83	5.925	5.927	(1.139)	481080	46.4538	9.291
47 2-Chloroethyl vinyl ether	63	6.174	6.175	(1.186)	224198	39.3415	7.868
48 cis-1,3-Dichloropropene	75	6.316	6.317	(1.214)	547718	44.5505	8.910
49 4-Methyl-2-pentanone	43	6.434	6.436	(1.236)	468092	40.4509	8.090
50 Toluene	91	6.624	6.625	(0.841)	1680513	47.5266	9.505
51 trans-1,3-Dichloropropene	75	6.801	6.802	(0.863)	475244	45.0347	9.007
52 Ethyl Methacrylate	69	Compound Not Detected.					
53 1,1,2-Trichloroethane	97	6.967	6.968	(0.884)	340660	45.7633	9.153
54 1,3-Dichloropropane	76	Compound Not Detected.					
55 Tetrachloroethene	164	7.132	7.134	(0.905)	328423	48.4420	9.688
56 2-Hexanone	43	7.180	7.181	(0.911)	328339	35.0442	7.009
57 Dibromochloromethane	129	7.334	7.335	(0.931)	343392	47.2436	9.449
58 1,2-Dibromoethane	107	7.452	7.453	(0.946)	362803	45.5419	9.108
59 Chlorobenzene	112	7.913	7.915	(1.004)	1071934	46.6424	9.328
60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61 Ethylbenzene	106	8.008	8.009	(1.017)	572668	46.4557	9.291
62 m + p-Xylene	106	8.115	8.116	(1.030)	1456511	97.1151	19.423
M 63 Xylenes (total)	106				2142238	145.595	29.119
64 Xylene-o	106	8.493	8.495	(1.078)	685727	48.4798	9.696
65 Styrene	104	8.505	8.506	(1.080)	1109618	47.3309	9.466
66 Bromoform	173	8.683	8.684	(1.102)	226296	44.3899	8.878

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40406A.D\UXX7012.D
Report Date: 08-Apr-2004 10:08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.848	8.850	(1.123)	1706655	50.2962	10.059
68 1,1,2,2-Tetrachloroethane	83	9.109	9.110	(0.900)	448391	48.6116	9.722
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	10.067	10.068	(0.994)	729749	44.9144	8.983
81 1,4-Dichlorobenzene	146	10.150	10.151	(1.002)	774703	45.2488	9.050
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.528	10.530	(1.040)	672276	43.8789	8.776
84 1,2-Dibromo-3-chloropropane	157	11.286	11.287	(1.115)	93926	44.2060	8.841
85 1,2,4-Trichlorobenzene	180	12.126	12.127	(1.197)	354837	45.1582	9.032
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.742	4.732	(0.911)	635726	51.4449	10.289
143 Methyl Acetate	43	3.097	3.099	(0.595)	387912	42.7821	8.556
144 Methylcyclohexane	83	5.701	5.702	(1.095)	693223	51.5663	10.313
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					


Data File: \\qcanch04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7013.D
Date : 06-APR-2004 19:22
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
Acrylonitrile
-Hexane+Methyl tert-butyl ether+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7013.D

GDN MAID

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7013.D
Report Date: 08-Apr-2004 10:09

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7013.D
Lab Smp Id: CHECK
Inj Date : 06-APR-2004 19:22
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P40406A,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 10:07 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 6 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.206	5.205	(1.000)	1936387	50.0000	
* 2 Chlorobenzene-d5	117	7.880	7.879	(1.000)	1317226	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.128	10.127	(1.000)	616167	50.0000	
$ 4 Dibromofluoromethane	113	4.626	4.625	(0.889)	391857	54.8824	10.976
$ 5 1,2-Dichloroethane-d4	65	4.910	4.909	(0.943)	446169	48.6952	9.739
$ 6 Toluene-d8	98	6.567	6.566	(0.833)	1423642	50.5821	10.116
$ 7 Bromofluorobenzene	95	8.992	8.992	(1.141)	486548	50.3434	10.069
8 Dichlorodifluoromethane	85	1.573	1.561	(0.302)	132299	24.2180	4.844
9 Chloromethane	50	1.703	1.702	(0.327)	331044	40.0058	8.001
10 Vinyl Chloride	62	1.798	1.797	(0.345)	369976	45.3170	9.063
11 Bromomethane	94	2.094	2.093	(0.402)	165740	45.7182	9.144
12 Chloroethane	64	2.177	2.176	(0.418)	215869	40.5132	8.103
13 Trichlorofluoromethane	101	2.378	2.377	(0.457)	265124	31.7321	6.346
15 Acrolein	56	2.697	2.696	(0.518)	880639	500.733	100.15
16 Acetone	43	2.816	2.815	(0.541)	168878	24.7487	4.950
17 1,1-Dichloroethene	96	2.804	2.803	(0.539)	363817	47.6469	9.529
18 Freon-113	151	2.827	2.827	(0.543)	292222	54.4775	10.896
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.D\UXX7013.D
Report Date: 08-Apr-2004 10:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	3.005	3.004	(0.577)	1154051	52.8879	10.578
	21 Methylene Chloride	84	3.194	3.193	(0.614)	404923	48.4996	9.700
	22 Acetonitrile	41	3.040	3.040	(0.584)	468959	395.850	79.170
	23 Acrylonitrile	53	3.372	3.371	(0.648)	1946948	452.125	90.425
	24 Methyl tert-butyl ether	73	3.419	3.418	(0.657)	1183120	51.5222	10.304
	25 trans-1,2-Dichloroethene	96	3.431	3.430	(0.659)	423850	49.4261	9.885
	26 Hexane	86	3.656	3.655	(0.702)	111920	56.5287	11.306
	27 Vinyl acetate	43	3.656	3.785	(0.702)	332113	22.0075	4.402
	28 1,1-Dichloroethane	63	3.762	3.773	(0.723)	710646	51.4837	10.297
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.236	4.235	(0.814)	220121	28.0835	5.617
M	31 1,2-Dichloroethene (total)	96				868723	99.6028	19.920
	32 cis-1,2-dichloroethene	96	4.247	4.247	(0.816)	444873	50.1767	10.035
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.496	4.495	(0.864)	704011	49.6224	9.924
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.673	4.673	(0.898)	556042	50.6804	10.136
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.815	4.815	(0.925)	511239	53.0834	10.617
	40 1,2-Dichloroethane	62	4.981	4.980	(0.957)	573381	51.6737	10.335
	41 Benzene	78	4.981	4.980	(0.957)	1687847	48.9675	9.793
	42 Trichloroethene	130	5.514	5.513	(1.059)	489048	48.9887	9.798
	43 1,2-Dichloropropane	63	5.703	5.702	(1.095)	362363	46.8475	9.370
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.928	5.927	(1.139)	490725	48.7636	9.753
	47 2-Chloroethyl vinyl ether	63	6.176	6.175	(1.186)	231062	41.7256	8.345
	48 cis-1,3-Dichloropropene	75	6.318	6.317	(1.214)	546344	45.7315	9.146
	49 4-Methyl-2-pentanone	43	6.436	6.436	(1.236)	457604	40.6950	8.139
	50 Toluene	91	6.626	6.625	(0.841)	1663828	47.8195	9.564
	51 trans-1,3-Dichloropropene	75	6.803	6.802	(0.863)	484170	46.6262	9.325
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.969	6.968	(0.884)	347248	47.4065	9.481
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.135	7.134	(0.905)	334774	50.1813	10.036
	56 2-Hexanone	43	7.182	7.181	(0.911)	328637	35.6461	7.129
	57 Dibromochloromethane	129	7.336	7.335	(0.931)	343182	47.9820	9.596
	58 1,2-Dibromoethane	107	7.454	7.453	(0.946)	361909	46.1681	9.234
	59 Chlorobenzene	112	7.904	7.915	(1.003)	1094618	48.4035	9.681
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	8.010	8.009	(1.017)	593273	48.9093	9.782
	62 m + p-Xylene	106	8.117	8.116	(1.030)	1445491	97.9468	19.589
M	63 Xylenes (total)	106				2132060	147.275	29.455
	64 Xylene-o	106	8.495	8.495	(1.078)	686569	49.3282	9.866
	65 Styrene	104	8.507	8.506	(1.080)	1140319	49.4309	9.886
	66 Bromoform	173	8.685	8.684	(1.102)	226345	45.1211	9.024

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.D\UXX7013.D
Report Date: 08-Apr-2004 10:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.850	8.850	(1.123)	1720425	51.5260	10.305
68 1,1,2,2-Tetrachloroethane	83	9.111	9.110	(0.900)	448412	48.9313	9.786
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	10.069	10.068	(0.994)	749121	46.4079	9.282
81 1,4-Dichlorobenzene	146	10.152	10.151	(1.002)	794162	46.6883	9.338
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.519	10.530	(1.039)	696781	45.7754	9.155
84 1,2-Dibromo-3-chloropropane	157	11.288	11.287	(1.114)	94143	44.5975	8.920
85 1,2,4-Trichlorobenzene	180	12.128	12.127	(1.197)	388766	49.7992	9.960
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.733	4.732	(0.909)	630459	52.5029	10.500
143 Methyl Acetate	43	3.100	3.099	(0.595)	379843	43.1109	8.622
144 Methylcyclohexane	83	5.703	5.702	(1.095)	682414	52.2391	10.448
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GDQW21AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4D080000-202 GDQW21AD-LCSD
Prep Date.....: 04/07/04 **Analysis Date..:** 04/07/04
Prep Batch #...: 4099202
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**98**	**(80 - 116)**			**SW846 8260B**
	94	**(80 - 116)**	**4.2**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**97**	**(76 - 117)**			**SW846 8260B**
	95	**(76 - 117)**	**2.9**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**111**	**(63 - 130)**			**SW846 8260B**
	112	**(63 - 130)**	**1.4**	**(0-20)**	**SW846 8260B**
Toluene	**92**	**(74 - 119)**			**SW846 8260B**
	90	**(74 - 119)**	**2.7**	**(0-20)**	**SW846 8260B**
Trichloroethene	**97**	**(75 - 122)**			**SW846 8260B**
	94	**(75 - 122)**	**3.4**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
	99	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
	94	(61 - 128)
Toluene-d8	91	(76 - 110)
	92	(76 - 110)
4-Bromofluorobenzene	97	(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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GDQW21AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4D080000-202 GDQW21AD-LCSD
Prep Date.....: 04/07/04 **Analysis Date..:** 04/07/04
Prep Batch #...: 4099202
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**4.2**	**SW846 8260B**
Chlorobenzene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**2.9**	**SW846 8260B**
1,1-Dichloroethene	**10**	**11**	**ug/L**	**111**		**SW846 8260B**
	10	**11**	**ug/L**	**112**	**1.4**	**SW846 8260B**
Toluene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**9.0**	**ug/L**	**90**	**2.7**	**SW846 8260B**
Trichloroethene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**3.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
	99	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
	94	(61 - 128)
Toluene-d8	91	(76 - 110)
	92	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	95	(74 - 116)

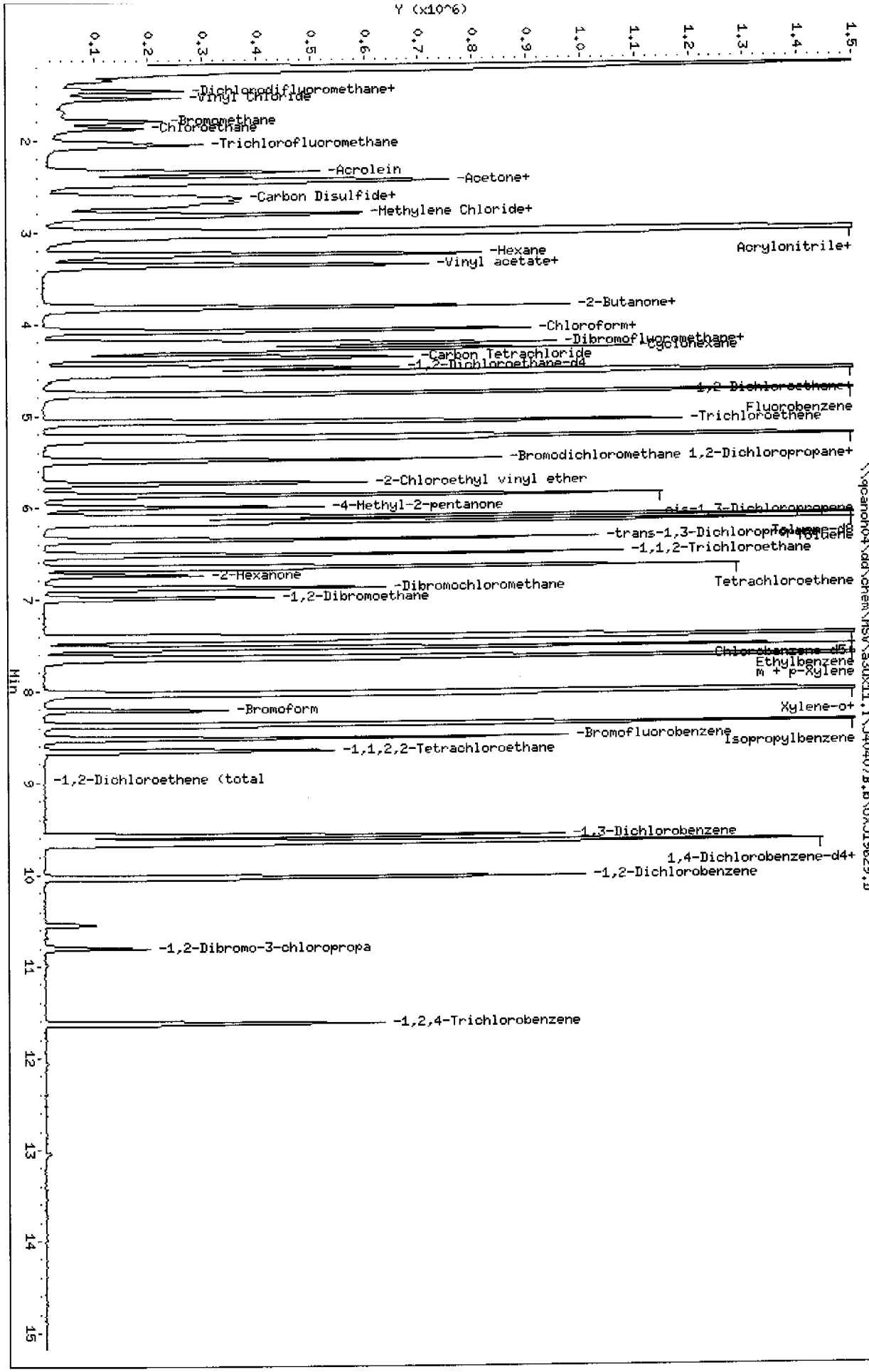
NOTE(S):

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

Bold print denotes control parameters

Data File: \\qcanch04\dd\chem\HSV\a3ux11.i\J40407B.b\UXJ19629.D
Date : 07-APR-2004 22:14
Client ID: GDQ021AC
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

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



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19629.D
Lab Smp Id: CHECK
Inj Date : 07-APR-2004 22:14
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J40407B,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m
Meth Date : 08-Apr-2004 09:19 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 34 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

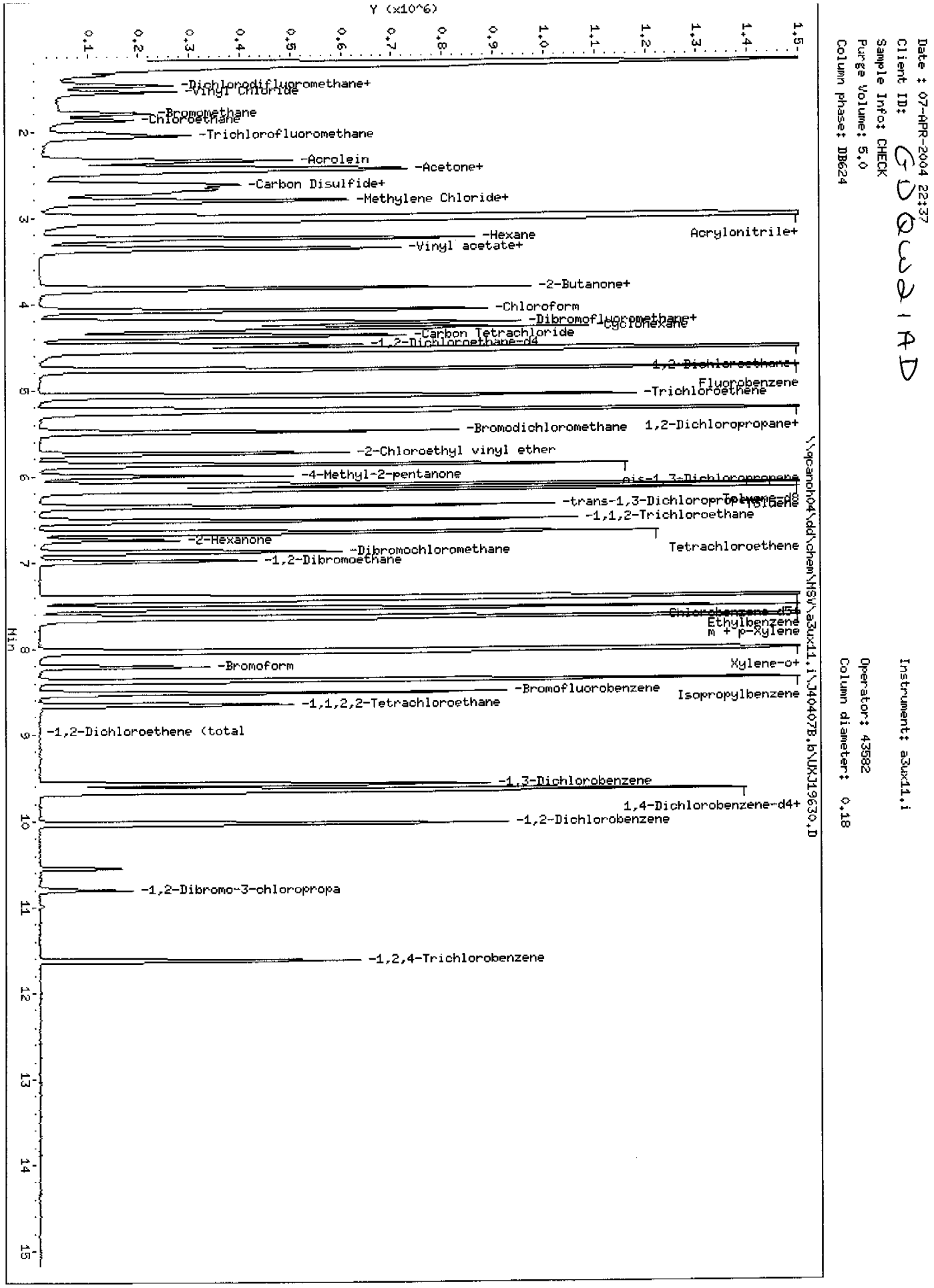
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.765	4.765	(1.000)	1681088	50.0000	
* 2 Chlorobenzene-d5	117	7.416	7.416	(1.000)	1062820	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	334277	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.883)	374106	50.4480	10.090
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.940)	482669	45.3645	9.073
$ 6 Toluene-d8	98	6.102	6.102	(0.823)	1444621	45.5456	9.109
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.148)	357342	48.5310	9.706
8 Dichlorodifluoromethane	85	1.345	1.345	(0.282)	132025	50.1676	10.034
9 Chloromethane	50	1.464	1.464	(0.307)	314863	48.0986	9.620
10 Vinyl Chloride	62	1.546	1.546	(0.325)	295703	49.1788	9.836
11 Bromomethane	94	1.795	1.795	(0.377)	163805	37.7361	7.547
12 Chloroethane	64	1.866	1.866	(0.392)	191813	42.6660	8.533
13 Trichlorofluoromethane	101	2.055	2.055	(0.431)	407802	42.5174	8.503
15 Acrolein	56	2.351	2.339	(0.493)	716887	645.331	129.07
16 Acetone	43	2.469	2.458	(0.518)	182043	36.8898	7.378
17 1,1-Dichloroethene	96	2.434	2.434	(0.511)	334539	55.2608	11.052
18 Freon-113	151	2.469	2.458	(0.518)	164098	55.2238	11.045
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19629.D
Report Date: 08-Apr-2004 09:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.635	2.623	(0.553)	1035409	52.8907	10.578
	21 Methylene Chloride	84	2.813	2.813	(0.590)	407837	55.0086	11.002
	22 Acetonitrile	41	2.682	2.682	(0.563)	541125	578.088	115.62
	23 Acrylonitrile	53	2.990	2.990	(0.628)	1730632	533.140	106.63
	24 Methyl tert-butyl ether	73	3.026	3.026	(0.635)	1014621	40.7374	8.147
	25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.635)	456580	52.1107	10.422
	26 Hexane	86	3.239	3.250	(0.680)	85189	46.1368	9.227
	27 Vinyl acetate	43	3.404	3.392	(0.714)	3441	3.20514	0.6410
	28 1,1-Dichloroethane	63	3.357	3.357	(0.705)	829480	51.1433	10.229
	29 tert-Butyl Alcohol	59	2.907	2.884	(0.610)	1864	106.777	21.355
	30 2-Butanone	43	3.818	3.818	(0.801)	208884	35.4867	7.097
M	31 1,2-Dichloroethene (total)	96				906448	102.081	20.416
	32 cis-1,2-dichloroethene	96	3.818	3.818	(0.801)	449868	49.9702	9.994
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.079	4.079	(0.856)	774024	50.2176	10.044
	36 Tetrahydrofuran	42	4.067	4.055	(0.854)	9682	2.74189	0.5484
	37 1,1,1-Trichloroethane	97	4.232	4.233	(0.888)	574383	50.6400	10.128
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.374	4.375	(0.918)	484584	56.1178	11.224
	40 1,2-Dichloroethane	62	4.540	4.540	(0.953)	650495	45.7732	9.155
	41 Benzene	78	4.540	4.540	(0.953)	1872987	48.8483	9.770
	42 Trichloroethene	130	5.073	5.073	(1.065)	432484	48.7359	9.747
	43 1,2-Dichloropropane	63	5.250	5.250	(1.102)	484790	48.8617	9.772
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.487	5.487	(1.151)	570999	50.8639	10.173
	47 2-Chloroethyl vinyl ether	63	5.735	5.735	(1.204)	247940	51.6473	10.329
	48 cis-1,3-Dichloropropene	75	5.865	5.865	(1.231)	663229	47.2665	9.453
	49 4-Methyl-2-pentanone	43	5.996	5.996	(1.258)	378330	40.8408	8.168
	50 Toluene	91	6.161	6.161	(0.831)	1888093	46.0618	9.212
	51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.856)	554530	44.2958	8.859
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.516	6.516	(0.879)	355250	49.1065	9.821
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.658	6.658	(0.898)	296744	48.4029	9.680
	56 2-Hexanone	43	6.741	6.741	(0.909)	229399	33.7310	6.746
	57 Dibromochloromethane	129	6.883	6.883	(0.928)	358421	52.6369	10.527
	58 1,2-Dibromoethane	107	6.990	6.990	(0.943)	324742	48.2461	9.649
	59 Chlorobenzene	112	7.439	7.439	(1.003)	1037232	48.6850	9.737
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.534	7.534	(1.016)	546653	48.4934	9.699
	62 m + p-Xylene	106	7.640	7.640	(1.030)	1309222	96.3649	19.273
M	63 Xylenes (total)	106				1889333	144.436	28.887
	64 Xylene-o	106	8.019	8.019	(1.081)	580111	48.0708	9.614
	65 Styrene	104	8.031	8.031	(1.083)	1007633	49.7856	9.957
	66 Bromoform	173	8.208	8.208	(1.107)	181900	63.3404	12.668

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040407B.D\0X019629.D
Report Date: 08-Apr-2004 09:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.374	8.374	(1.129)	1285443	52.3736	10.475
68 1,1,2,2-Tetrachloroethane	83	8.658	8.658	(0.898)	300761	56.6126	11.322
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.581	9.581	(0.994)	446095	47.4153	9.483
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	485894	47.5260	9.505
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	442080	45.9072	9.181
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	48179	48.5005	9.700
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	205434	34.6990	6.940
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.280	4.280	(0.898)	575290	44.1220	8.824
143 Methyl Acetate	43	2.718	2.718	(0.570)	348819	53.5729	10.714
144 Methylcyclohexane	83	5.238	5.238	(1.099)	491463	41.5017	8.300
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					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Date : 07-APR-2004 22:37
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Hexane
Acrylonitrile+
-Vinyl acetate+
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
-trans-1,3-Dichloropropene
Toluene
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
Tetrachloroethene
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,2-Dichloroethene (total
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19630.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19630.D
Lab Smp Id: CHECK
Inj Date : 07-APR-2004 22:37
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J40407B,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m
Meth Date : 08-Apr-2004 09:19 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 35 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.765	4.765	(1.000)	1750847	50.0000	
* 2 Chlorobenzene-d5	117	7.416	7.416	(1.000)	1074239	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	328296	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.883)	382802	49.5640	9.913
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.940)	518924	46.8287	9.366
$ 6 Toluene-d8	98	6.102	6.102	(0.823)	1475854	46.0357	9.207
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.148)	354547	47.6396	9.528
8 Dichlorodifluoromethane	85	1.346	1.345	(0.282)	127489	46.5139	9.303
9 Chloromethane	50	1.464	1.464	(0.307)	310468	45.5376	9.108
10 Vinyl Chloride	62	1.547	1.546	(0.325)	286947	45.8212	9.164
11 Bromomethane	94	1.795	1.795	(0.377)	162389	36.1161	7.223
12 Chloroethane	64	1.866	1.866	(0.392)	184126	39.3243	7.865
13 Trichlorofluoromethane	101	2.055	2.055	(0.431)	419190	41.9634	8.393
15 Acrolein	56	2.351	2.339	(0.493)	701421	606.252	121.25
16 Acetone	43	2.458	2.458	(0.516)	166838	32.4616	6.492
17 1,1-Dichloroethene	96	2.434	2.434	(0.511)	353354	56.0432	11.209
18 Freon-113	151	2.458	2.458	(0.516)	163252	52.7502	10.550
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040407B.D\0x019630.D
Report Date: 08-Apr-2004 09:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.623	2.623	(0.551)	1090295	53.4754	10.695
	21 Methylene Chloride	84	2.801	2.813	(0.588)	417403	54.0558	10.811
	22 Acetonitrile	41	2.683	2.682	(0.563)	529876	543.517	108.70
	23 Acrylonitrile	53	2.990	2.990	(0.628)	1665553	492.648	98.530
	24 Methyl tert-butyl ether	73	3.026	3.026	(0.635)	1026126	39.5578	7.912
	25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.635)	462721	50.7074	10.141
	26 Hexane	86	3.239	3.250	(0.680)	86436	44.9470	8.989
	27 Vinyl acetate	43	3.404	3.392	(0.714)	2164	3.13242	0.6265
	28 1,1-Dichloroethane	63	3.357	3.357	(0.705)	830977	49.1942	9.839
	29 tert-Butyl Alcohol	59	3.026	2.884	(0.635)	25704	145.731	29.146
	30 2-Butanone	43	3.819	3.818	(0.801)	191373	31.2165	6.243
M	31 1,2-Dichloroethene (total)	96				920121	99.4900	19.898
	32 cis-1,2-dichloroethene	96	3.819	3.818	(0.801)	457400	48.7826	9.756
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.079	4.079	(0.856)	766551	47.7513	9.550
	36 Tetrahydrofuran	42	3.819	4.055	(0.801)	15484	4.50508	0.9010
	37 1,1,1-Trichloroethane	97	4.233	4.233	(0.888)	577867	48.9173	9.783
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.375	4.375	(0.918)	494573	54.9926	10.998
	40 1,2-Dichloroethane	62	4.540	4.540	(0.953)	642110	43.3830	8.676
	41 Benzene	78	4.540	4.540	(0.953)	1870724	46.8453	9.369
	42 Trichloroethene	130	5.073	5.073	(1.065)	435424	47.1123	9.422
	43 1,2-Dichloropropane	63	5.250	5.250	(1.102)	478413	46.2978	9.260
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.487	5.487	(1.151)	562314	48.0945	9.619
	47 2-Chloroethyl vinyl ether	63	5.736	5.735	(1.204)	250229	50.0473	10.009
	48 cis-1,3-Dichloropropene	75	5.866	5.865	(1.231)	656595	44.9293	8.986
	49 4-Methyl-2-pentanone	43	5.996	5.996	(1.258)	370624	38.4148	7.683
	50 Toluene	91	6.162	6.161	(0.831)	1857659	44.8376	8.968
	51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.856)	554399	43.8146	8.763
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.517	6.516	(0.879)	341894	46.7579	9.352
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.659	6.658	(0.898)	288364	46.5360	9.307
	56 2-Hexanone	43	6.741	6.741	(0.909)	215890	31.9850	6.397
	57 Dibromochloromethane	129	6.883	6.883	(0.928)	351509	51.0731	10.215
	58 1,2-Dibromoethane	107	6.990	6.990	(0.943)	325221	47.8037	9.561
	59 Chlorobenzene	112	7.439	7.439	(1.003)	1017922	47.2708	9.454
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.534	7.534	(1.016)	510930	44.8426	8.968
	62 m + p-Xylene	106	7.641	7.640	(1.030)	1285233	93.5936	18.719
M	63 Xylenes (total)	106				1866885	141.280	28.256
	64 Xylene-o	106	8.019	8.019	(1.081)	581652	47.6862	9.537
	65 Styrene	104	8.031	8.031	(1.083)	974206	47.6224	9.524
	66 Bromoform	173	8.209	8.208	(1.107)	171525	59.0928	11.818

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040407B.D\0X019630.D
Report Date: 08-Apr-2004 09:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.374	8.374	(1.129)	1215398	48.9934	9.799
68 1,1,2,2-Tetrachloroethane	83	8.658	8.658	(0.898)	283128	54.2645	10.853
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.581	9.581	(0.994)	419034	45.3504	9.070
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	457614	45.5753	9.115
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	425125	44.9508	8.990
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	42673	43.7404	8.748
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	213134	36.6554	7.331
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.280	4.280	(0.898)	588657	43.3484	8.670
143 Methyl Acetate	43	2.718	2.718	(0.570)	346803	51.1411	10.228
144 Methylcyclohexane	83	5.239	5.238	(1.099)	502868	40.7728	8.154
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GD05V1AA **Matrix.....:** WATER
MB Lot-Sample #: A4D120000-342

Prep Date.....: 04/09/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 04/09/04 **Prep Batch #...:** 4103342
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GD05V1AA **Matrix.....:** WATER

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

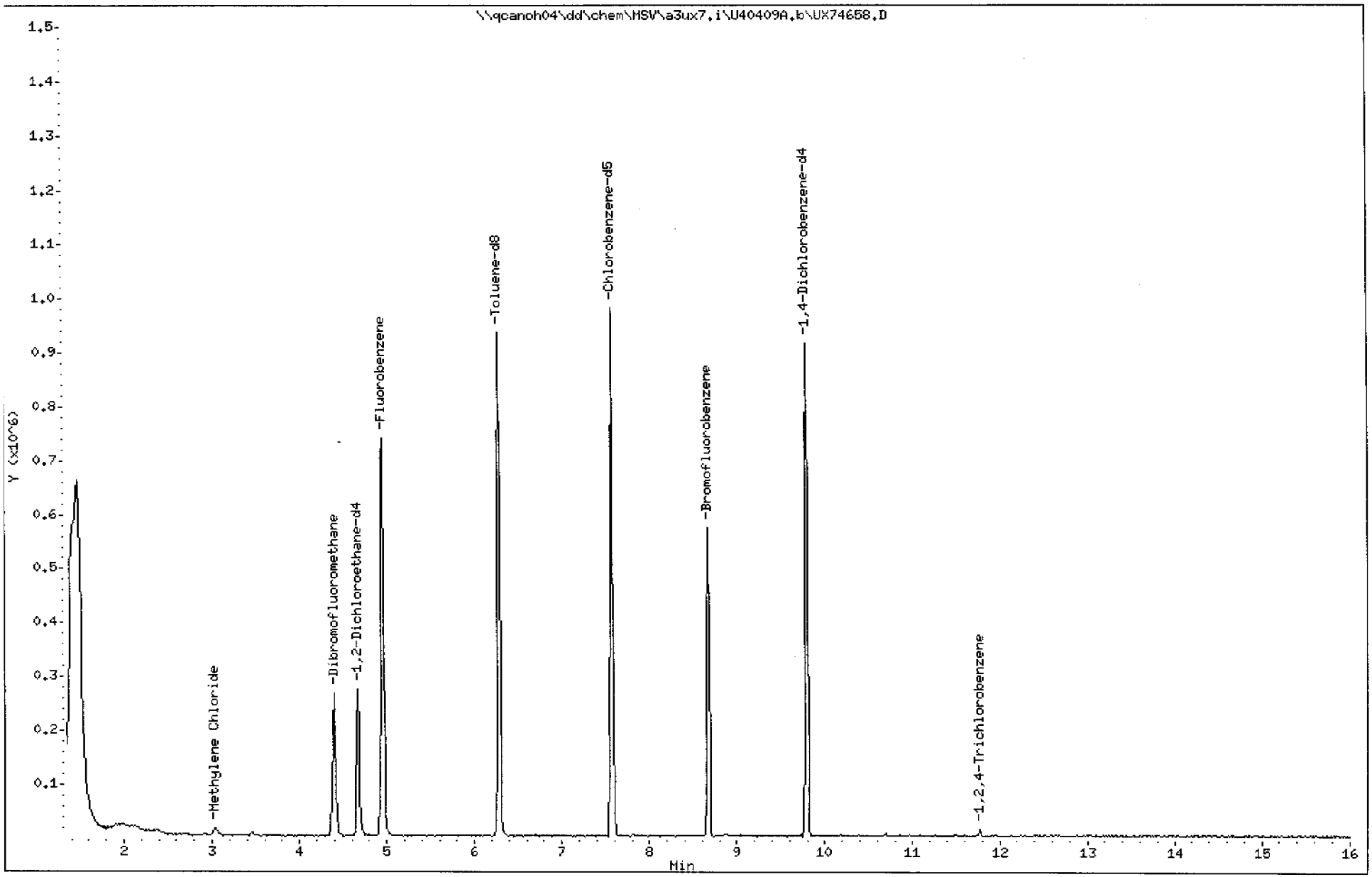
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74658.D
Date : 09-APR-2004 10:55
Client ID: GDOSV1AA
Sample Info: VOLBLANK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74658.D
Report Date: 10-Apr-2004 10:09

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74658.D
Lab Smp Id: VOLBLANK
Inj Date : 09-APR-2004 10:55
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40409A,N8260UX7-3,,1754,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\N8260UX7-3.m
Meth Date : 10-Apr-2004 10:06 evansl Quant Type: ISTD
Cal Date : 15-MAR-2004 10:09 Cal File: UX74143.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.940	(1.000)	866361	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	670299	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	292506	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	198823	53.1003	10.620
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	214216	48.2244	9.645
$ 6 Toluene-d8	98	6.277	6.278	(0.830)	704838	46.9733	9.395
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	218184	40.7897	8.158
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74658.D
Report Date: 10-Apr-2004 10:09

	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	3.035	3.035	(0.613)	13553	3.04841	0.6097
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40409A.b\UX74658.D
Report Date: 10-Apr-2004 10:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	6010	1.27428	0.2548
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\a3ux7.i\U40409A.b\UX74658.D

Date : 09-APR-2004 10:55

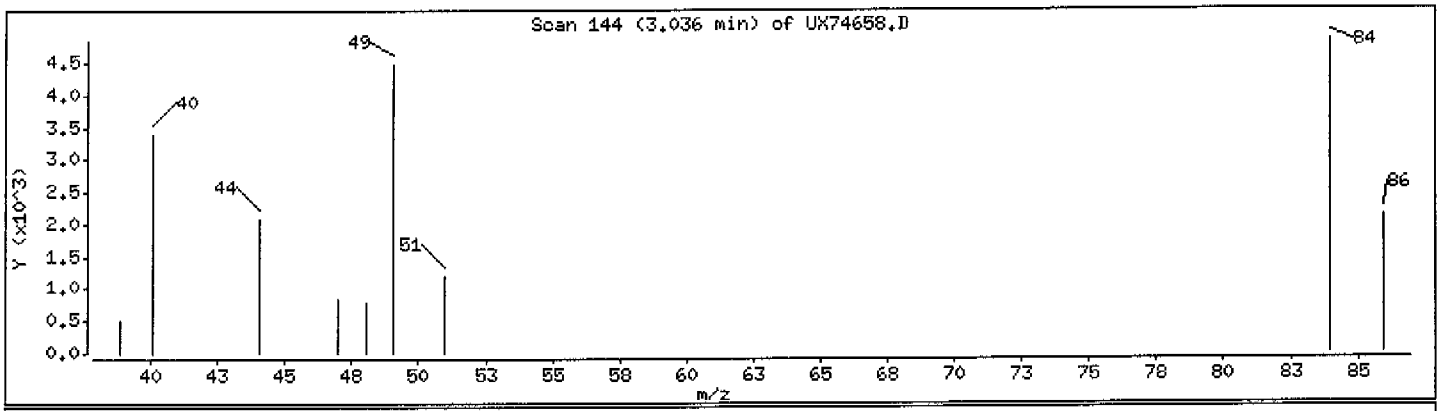
Client ID: | Instrument: a3ux7.i

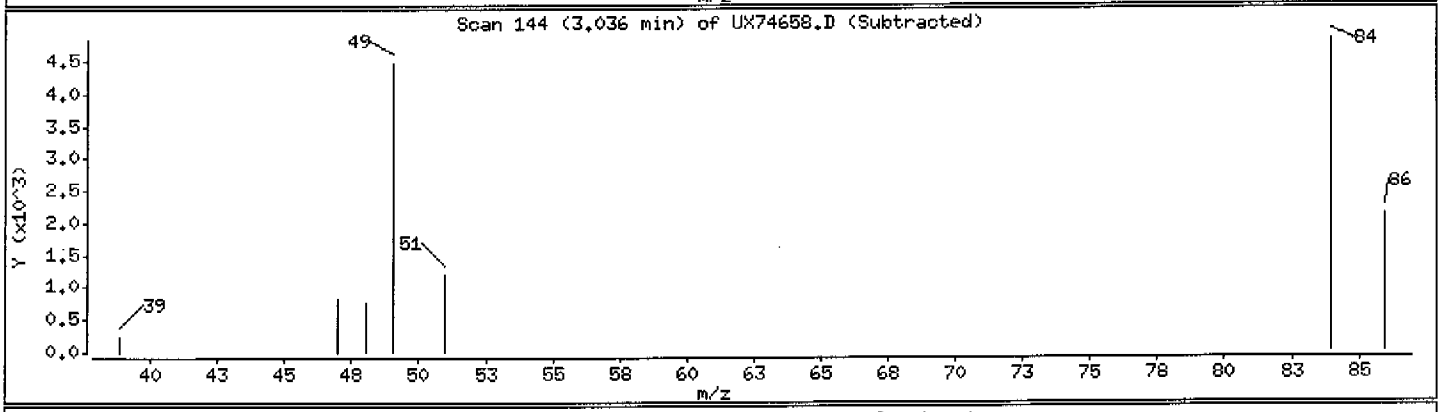
Sample Info: VOLBLANK,5ML/5ML

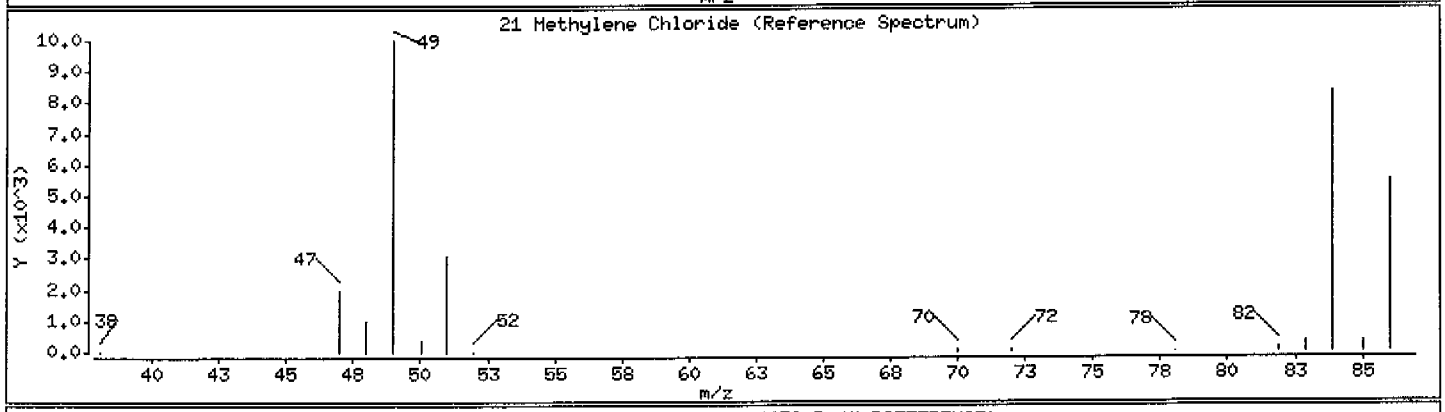
Purge Volume: 5.0 | Operator: 1754

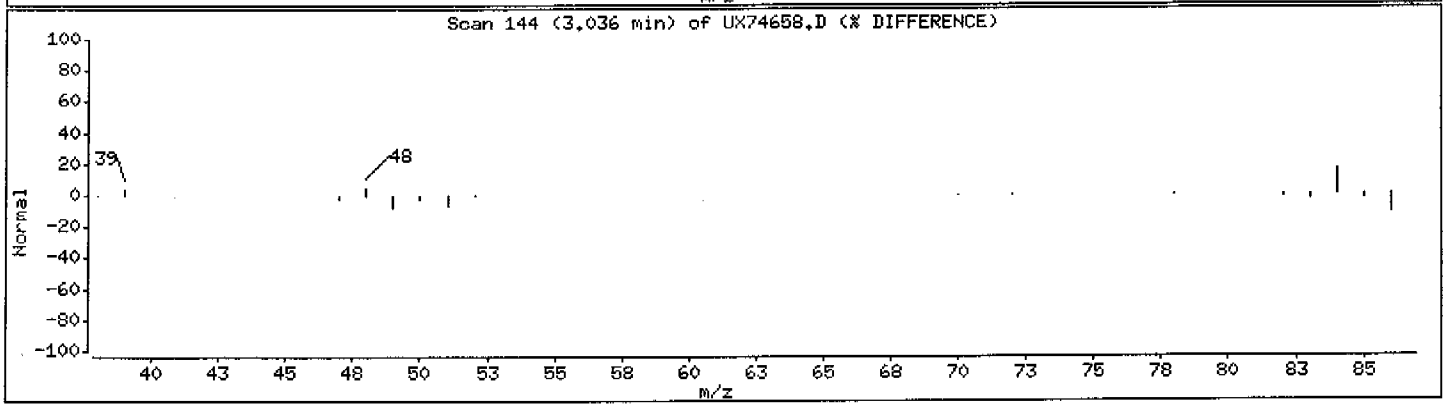
Column phase: DB624 20m | Column diameter: 0.18

21 Methylene Chloride | Concentration: 0.6097 ug/L









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Date : 09-APR-2004 10:55

Client ID:

Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0

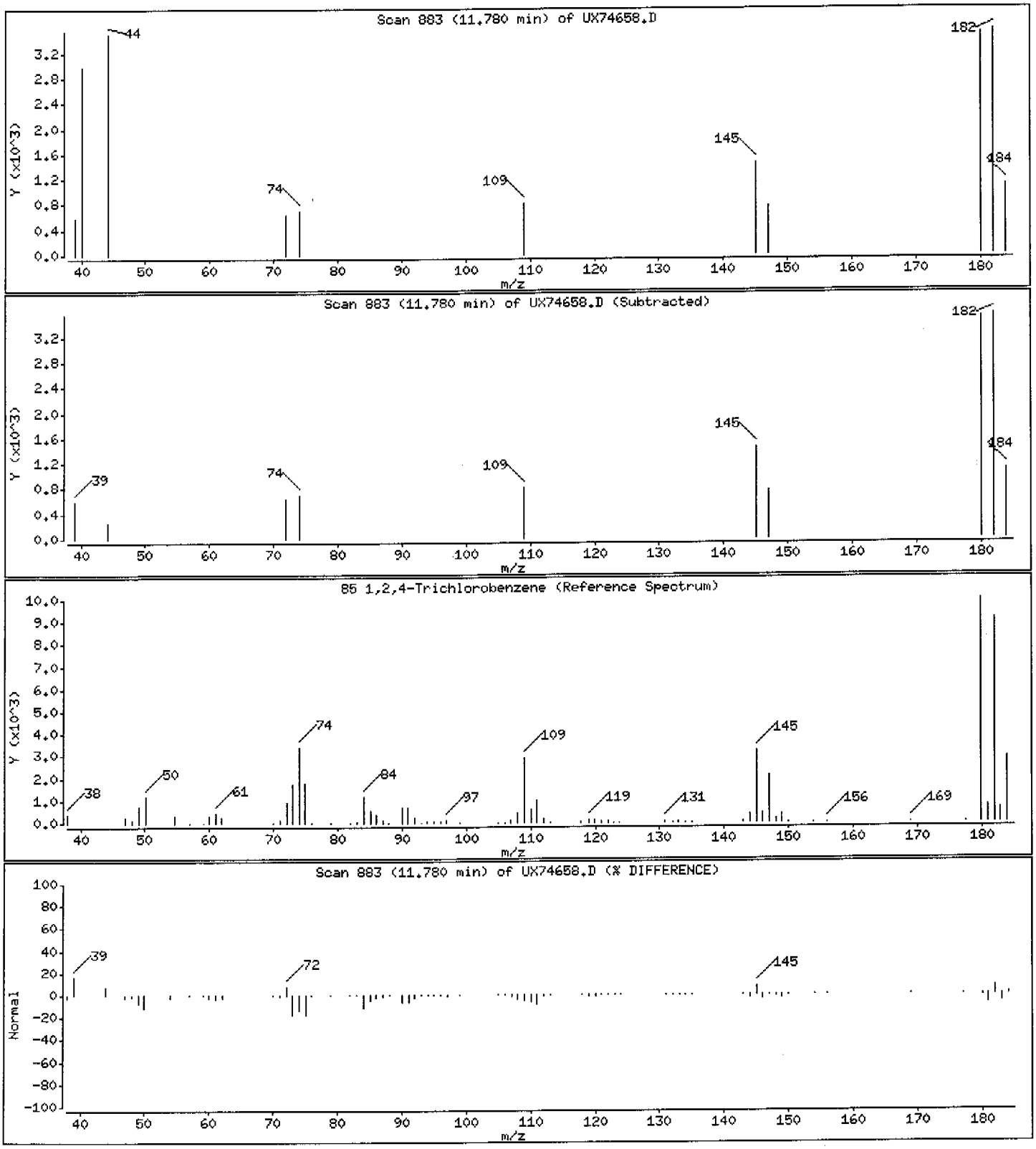
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 0.2548 ug/L



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GDNMA1AA **Matrix.....:** WATER
MB Lot-Sample #: A4D070000-187

Prep Date.....: 04/06/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 04/06/04 **Prep Batch #...:** 4098187
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GDNMA1AA **Matrix.....:** WATER

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

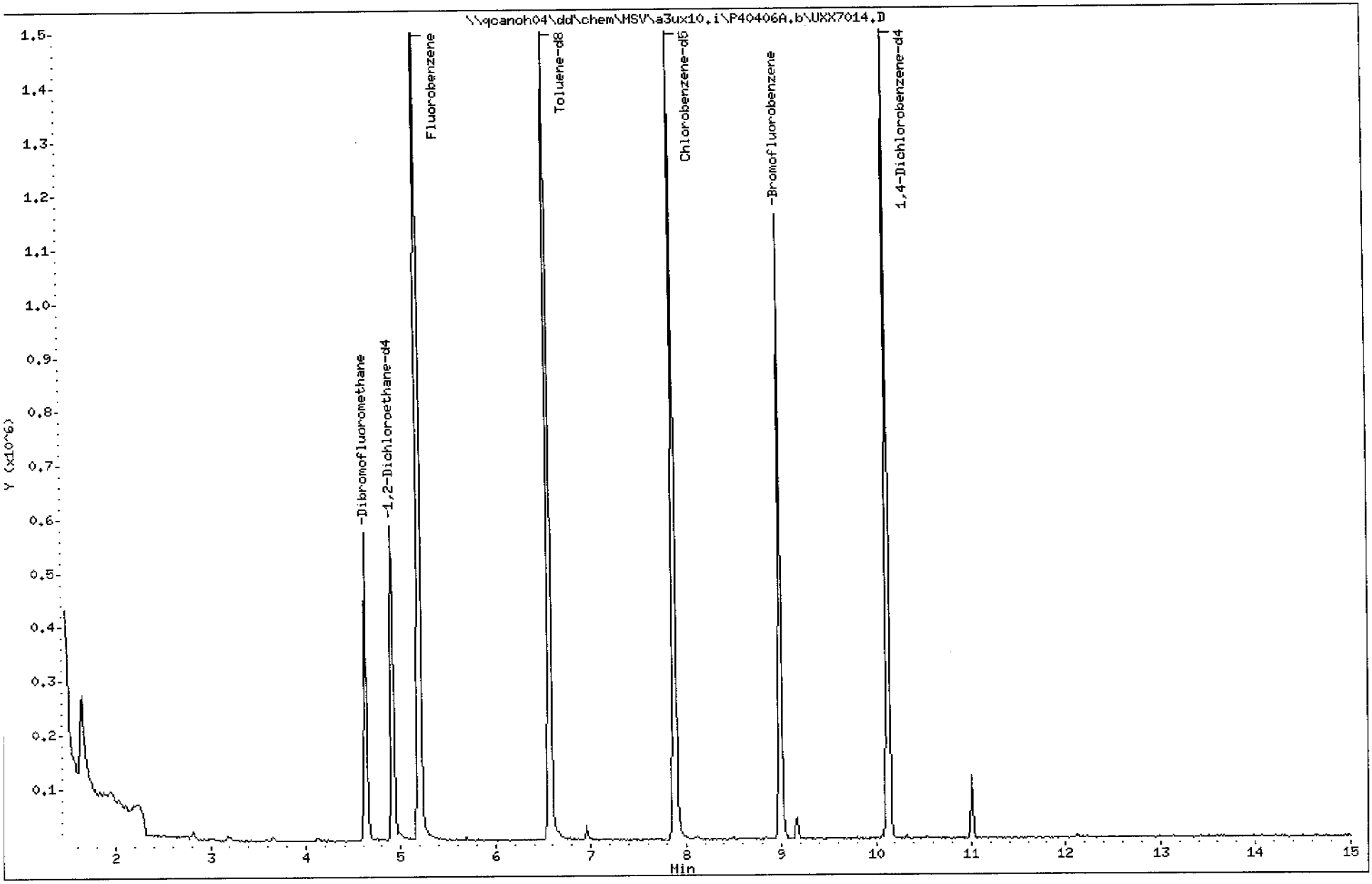
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)

NOTE(S):

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7014.D
Date : 06-APR-2004 19:45
Client ID: GDNMA1AA
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7014.D
Report Date: 08-Apr-2004 10:10

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7014.D
Lab Smp Id: VBLK
Inj Date : 06-APR-2004 19:45
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P40406A,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 10:07 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.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: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.207	5.205	(1.000)	1867055	50.0000	
* 2 Chlorobenzene-d5	117	7.881	7.879	(1.000)	1254520	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.127	(1.000)	573545	50.0000	
$ 4 Dibromofluoromethane	113	4.627	4.625	(0.889)	370230	53.7789	10.756
$ 5 1,2-Dichloroethane-d4	65	4.911	4.909	(0.943)	433665	49.0881	9.818
$ 6 Toluene-d8	98	6.568	6.566	(0.833)	1370669	51.1342	10.227
$ 7 Bromofluorobenzene	95	8.993	8.992	(1.141)	462899	50.2905	10.058
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7014.D
Report Date: 08-Apr-2004 10:10

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40406A.D\UXX7014.D
Report Date: 08-Apr-2004 10:10

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.					

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GDQW21AA **Matrix.....:** WATER
MB Lot-Sample #: A4D080000-202

Prep Date.....: 04/07/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 04/07/04 **Prep Batch #...:** 4099202
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GDQW21AA **Matrix.....:** WATER

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

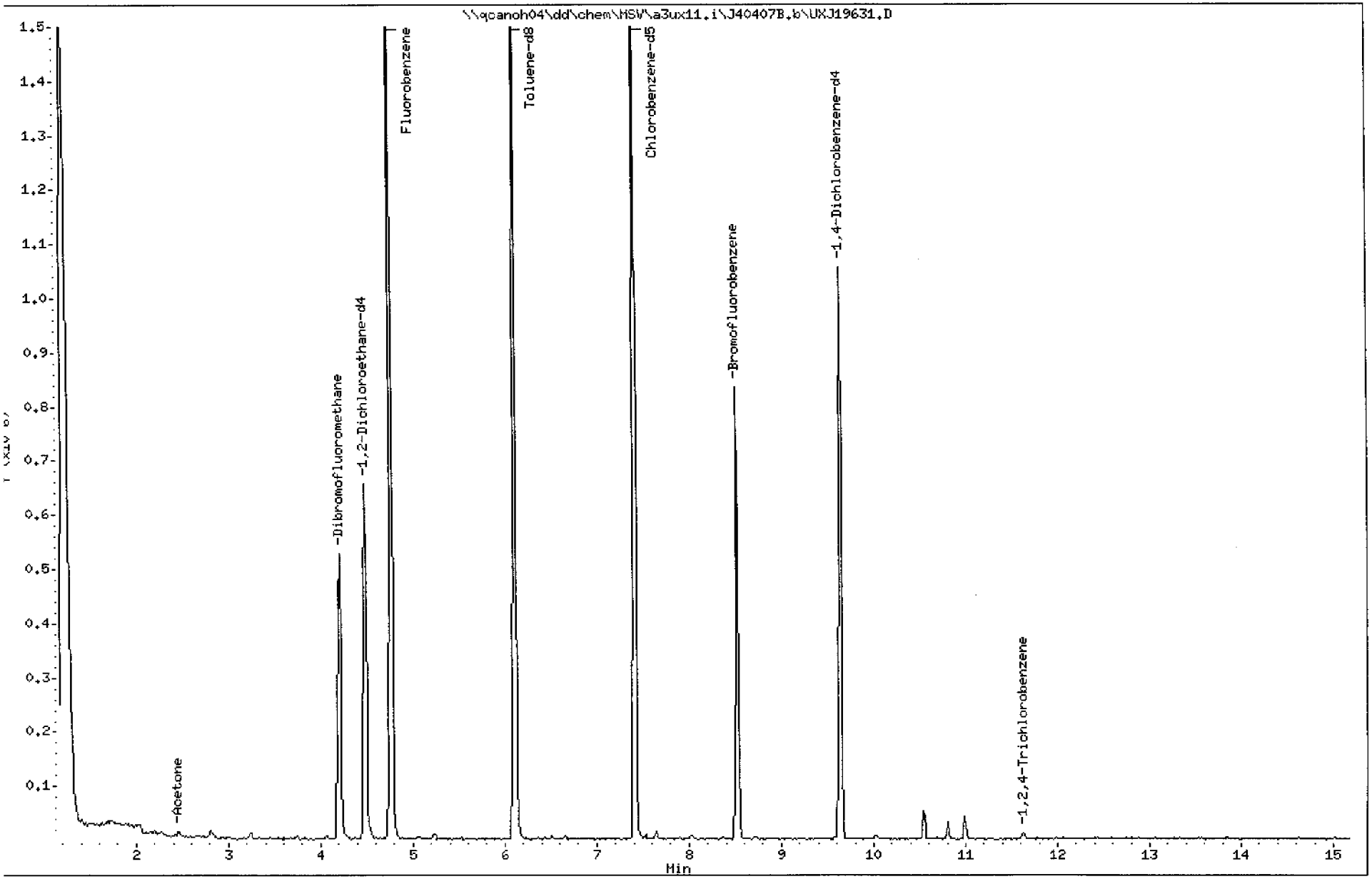
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

NOTE(S):

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19631.D
Date : 07-APR-2004 23:01
Client ID: GDQW21AA
Sample Info: VBLK
Purge Volume: 5.0
Column phase: DB624

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



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19631.D
Lab Smp Id: VBLK
Inj Date : 07-APR-2004 23:01
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J40407B,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m
Meth Date : 08-Apr-2004 09:19 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 36 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.765	4.765	(1.000)	1635875	50.0000	
* 2 Chlorobenzene-d5	117	7.416	7.416	(1.000)	1022000	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	290978	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.883)	363376	50.3554	10.071
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.940)	486942	47.0310	9.406
$ 6 Toluene-d8	98	6.102	6.102	(0.823)	1363160	44.6939	8.939
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.148)	313423	44.2665	8.853
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.470	2.458	(0.518)	16575	3.45164	✓ 0.6903
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040407B.D\0X019631.D
Report Date: 08-Apr-2004 09:20

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040407B.D\UX019631.D
Report Date: 08-Apr-2004 09:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	4950	0.96050	✓ 0.1921
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\a3ux11.i\J40407B.b\UXJ19631.D

Date : 07-APR-2004 23:01

Client ID:

Instrument: a3ux11.i

Sample Info: VBLK

Purge Volume: 5.0

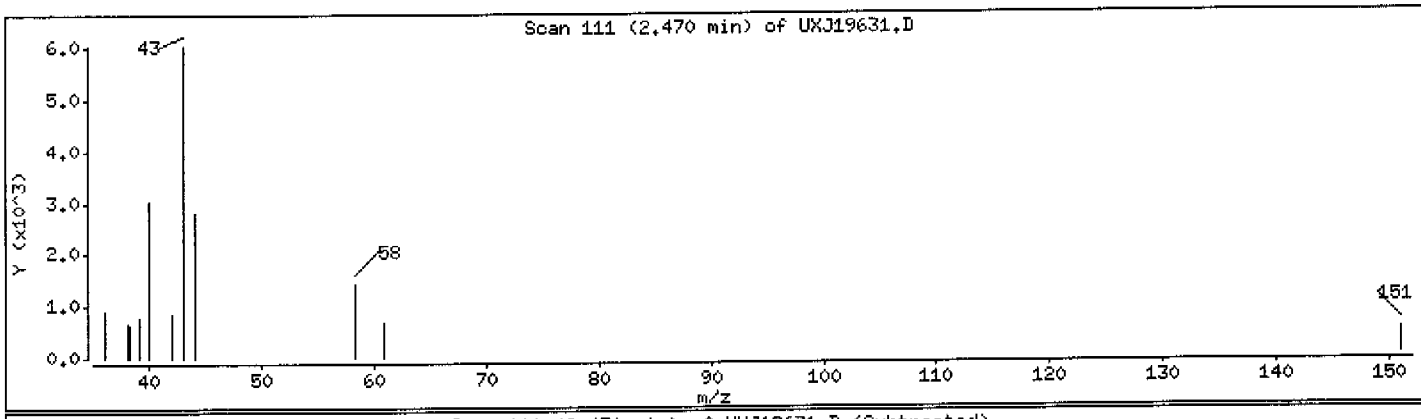
Operator: 43582

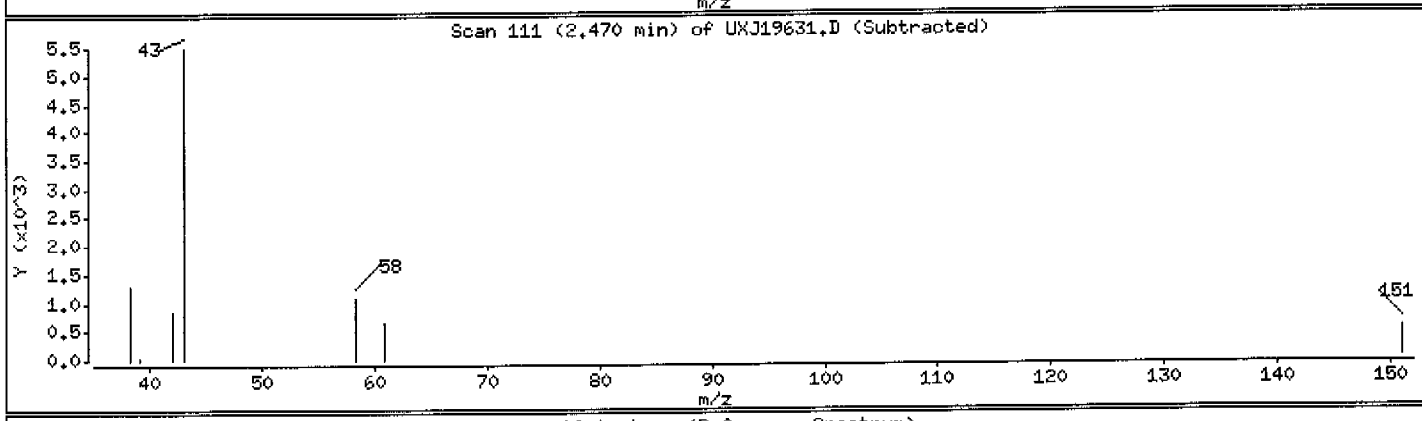
Column phase: DB624

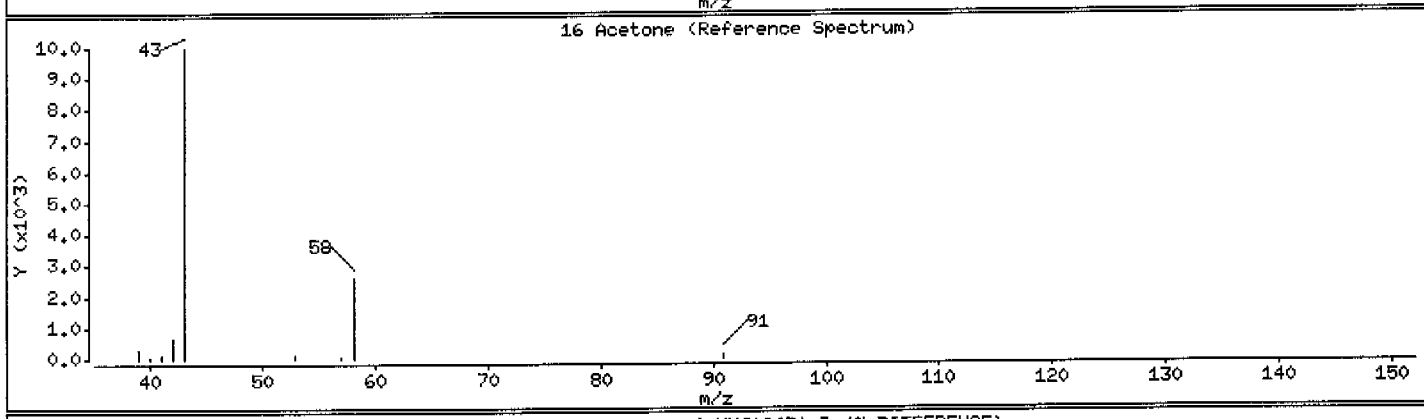
Column diameter: 0.18

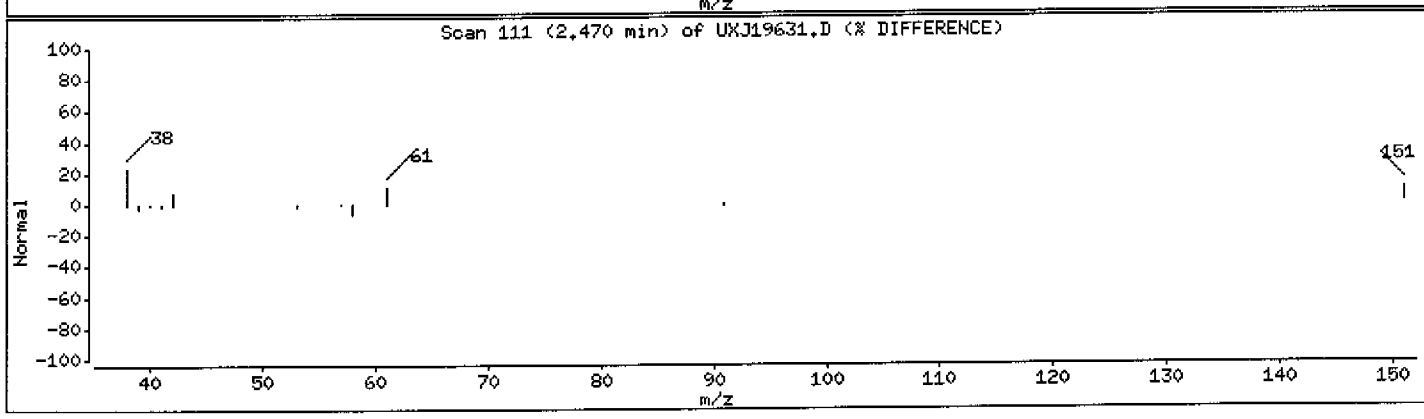
16 Acetone

Concentration: 0.6903 ug/L









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Date : 07-APR-2004 23:01

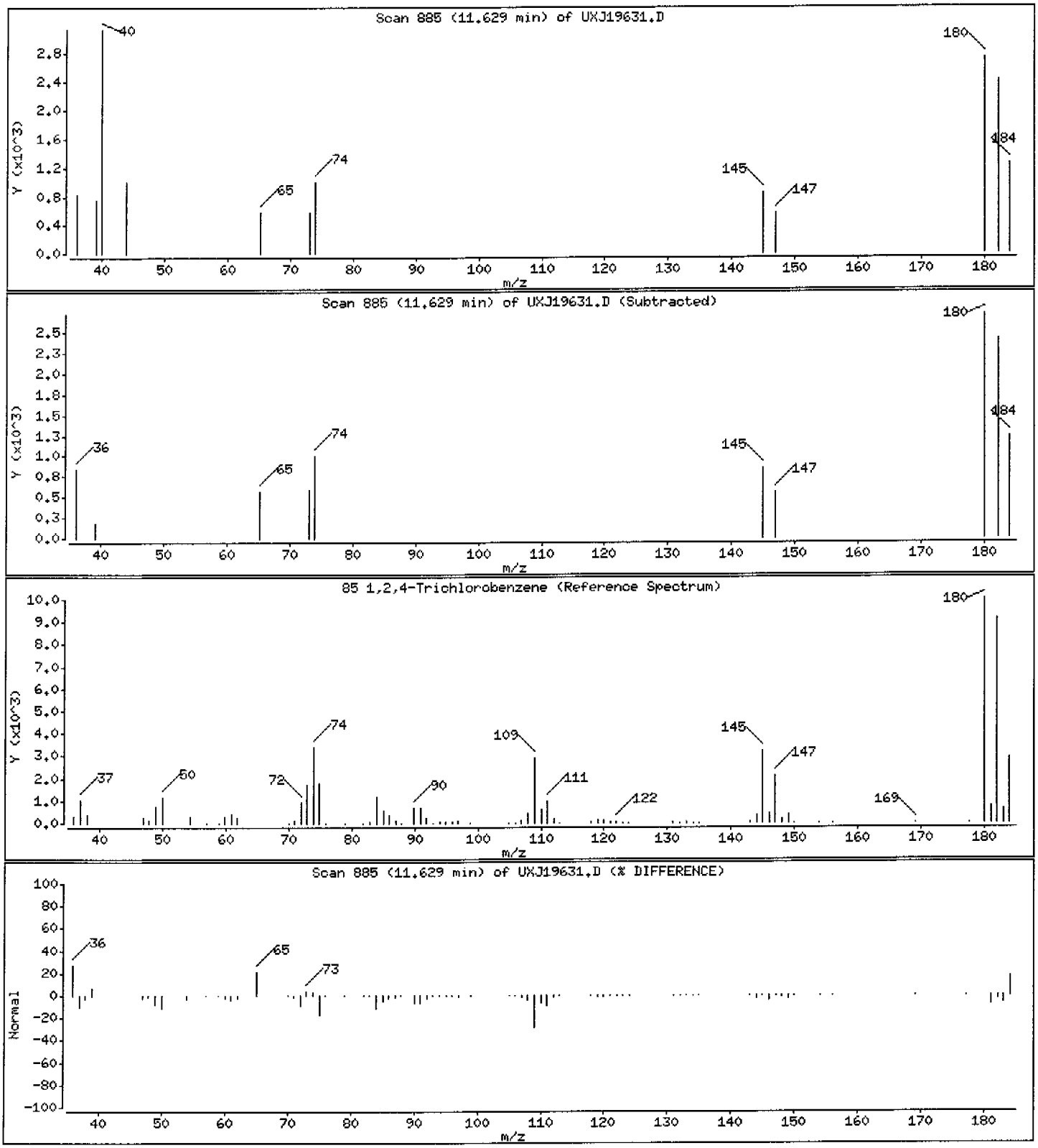
Client ID: | Instrument: a3ux11.i

Sample Info: VBLK

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

85 1,2,4-Trichlorobenzene | Concentration: 0.1921 ug/L



MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AD-MSD
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**95**	**(78 - 118)**			**SW846 8260B**
	98	**(78 - 118)**	**3.6**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**95**	**(76 - 117)**			**SW846 8260B**
	97	**(76 - 117)**	**1.9**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**95**	**(62 - 130)**			**SW846 8260B**
	94	**(62 - 130)**	**0.45**	**(0-20)**	**SW846 8260B**
Toluene	**97**	**(70 - 119)**			**SW846 8260B**
	98	**(70 - 119)**	**0.58**	**(0-20)**	**SW846 8260B**
Trichloroethene	**91**	**(62 - 130)**			**SW846 8260B**
	97	**(62 - 130)**	**6.1**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	109	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	95	(61 - 128)
Toluene-d8	103	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	102	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AD-MSD
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098187
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

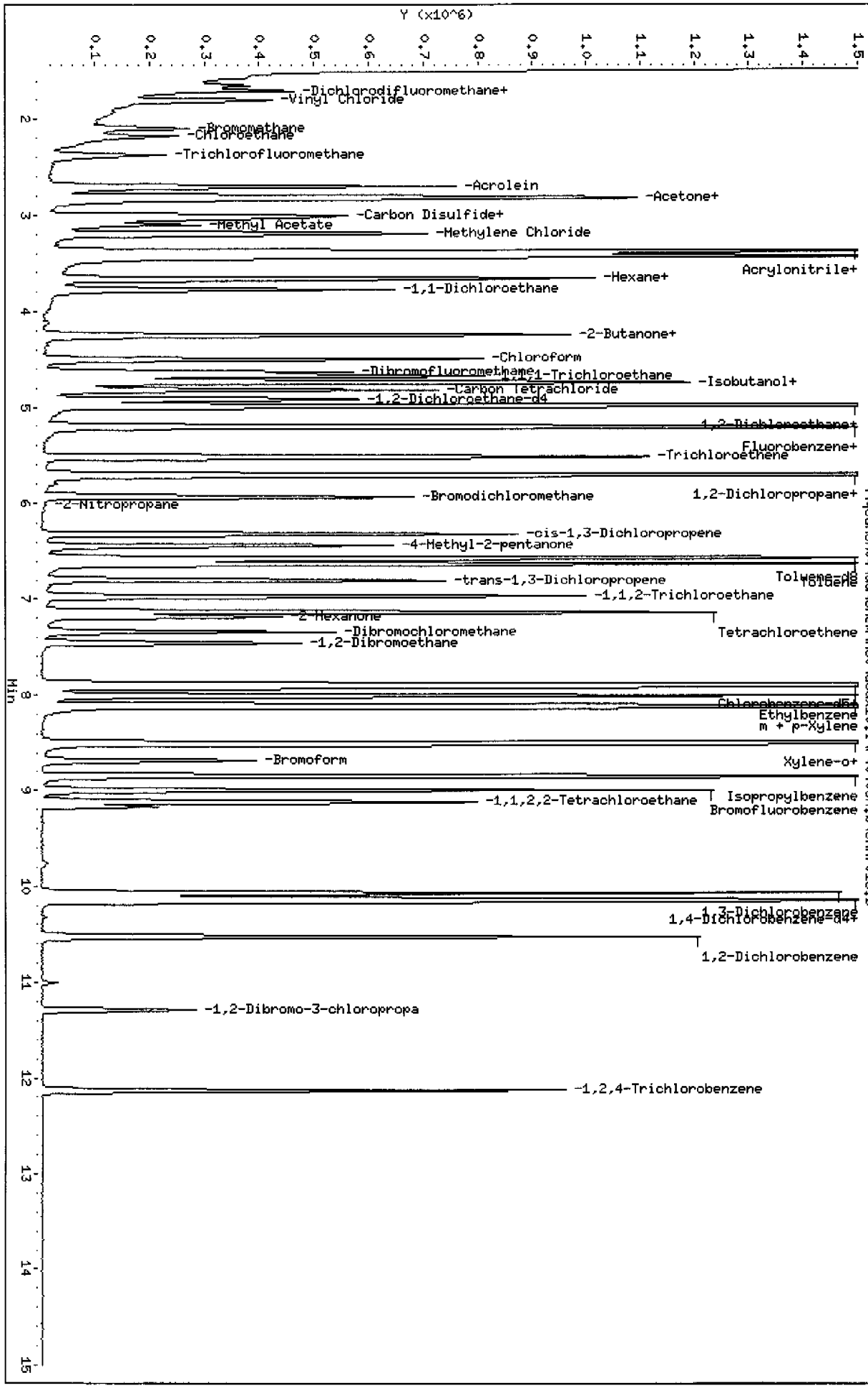
PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	ND	**10**	**9.8**	**ug/L**	**98**	**3.6**	**SW846 8260B**
Chlorobenzene	**ND**	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	ND	**10**	**9.7**	**ug/L**	**97**	**1.9**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	ND	**10**	**9.4**	**ug/L**	**94**	**0.45**	**SW846 8260B**
Toluene	**ND**	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	ND	**10**	**9.8**	**ug/L**	**98**	**0.58**	**SW846 8260B**
Trichloroethene	**ND**	**10**	**9.1**	**ug/L**	**91**		**SW846 8260B**
	ND	**10**	**9.7**	**ug/L**	**97**	**6.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	109	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	95	(61 - 128)
Toluene-d8	103	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	102	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7016.D
Date : 06-APR-2004 20:31
Client ID: MW44/032904
Sample Info: GC7F21AC,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
Min
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14
15
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
1,1,1-Trichloroethane
-Isobutanol+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Nitropropane
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-2-Hexanone
Tetrachloroethene
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7016.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7016.D
Report Date: 08-Apr-2004 14:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7016.D
Lab Smp Id: GC7F21AC Client Smp ID: MW44/032904
Inj Date : 06-APR-2004 20:31
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GC7F21AC,5ML/5ML
Misc Info : P40406A,8260LLUX10,,1904,3,,MS
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 14:15 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 9 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.204	5.205	(1.000)	1984483	50.0000	
* 2 Chlorobenzene-d5	117	7.878	7.879	(1.000)	1312098	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	(1.000)	631525	50.0000	
$ 4 Dibromofluoromethane	113	4.624	4.625	(0.889)	389289	53.2013	10.640
$ 5 1,2-Dichloroethane-d4	65	4.920	4.909	(0.945)	456595	48.6254	9.725
$ 6 Toluene-d8	98	6.565	6.566	(0.833)	1446467	51.5940	10.319
$ 7 Bromofluorobenzene	95	8.990	8.992	(1.141)	504521	52.4071	10.481
8 Dichlorodifluoromethane	85	1.571	1.561	(0.302)	138349	24.7117	4.942
9 Chloromethane	50	1.701	1.702	(0.327)	336343	39.6611	7.932
10 Vinyl Chloride	62	1.796	1.797	(0.345)	365009	43.6250	8.725
11 Bromomethane	94	2.092	2.093	(0.402)	175055	47.1174	9.423
12 Chloroethane	64	2.175	2.176	(0.418)	210984	38.6367	7.727
13 Trichlorofluoromethane	101	2.376	2.377	(0.457)	244990	28.8577	5.772
15 Acrolein	56	2.695	2.696	(0.518)	895338	496.753	99.350
16 Acetone	43	2.814	2.815	(0.541)	158139	22.6132	4.523
17 1,1-Dichloroethene	96	2.802	2.803	(0.538)	370701	47.3719	9.474
18 Freon-113	151	2.826	2.827	(0.543)	289866	52.7286	10.546
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7016.D
Report Date: 08-Apr-2004 14:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	3.003	3.004	(0.577)	1102935	49.3203	9.864
	21 Methylene Chloride	84	3.192	3.193	(0.613)	399248	46.6609	9.332
	22 Acetonitrile	41	3.038	3.040	(0.584)	460980	379.684	75.937
	23 Acrylonitrile	53	3.370	3.371	(0.648)	1878226	425.595	85.119
	24 Methyl tert-butyl ether	73	3.429	3.418	(0.659)	1128704	47.9612	9.592
	25 trans-1,2-Dichloroethene	96	3.429	3.430	(0.659)	418454	47.6142	9.523
	26 Hexane	86	3.654	3.655	(0.702)	112733	55.5594	11.112
	27 Vinyl acetate	43	3.654	3.785	(0.702)	348715	22.5476	4.510
	28 1,1-Dichloroethane	63	3.772	3.773	(0.725)	688976	48.7040	9.741
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.234	4.235	(0.814)	225837	28.1144	5.623
M	31 1,2-Dichloroethene (total)	96				846284	94.6992	18.940
	32 cis-1,2-dichloroethene	96	4.245	4.247	(0.816)	427830	47.0849	9.417
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.494	4.495	(0.864)	684565	47.0823	9.416
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.671	4.673	(0.898)	543116	48.3026	9.660
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.825	4.815	(0.927)	506916	51.3589	10.272
	40 1,2-Dichloroethane	62	4.979	4.980	(0.957)	572909	50.3799	10.076
	41 Benzene	78	4.979	4.980	(0.957)	1673015	47.3608	9.472
	42 Trichloroethene	130	5.523	5.513	(1.061)	467542	45.6993	9.140
	43 1,2-Dichloropropane	63	5.701	5.702	(1.095)	367689	46.3840	9.277
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.926	5.927	(1.139)	484727	47.0002	9.400
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.316	6.317	(1.214)	530135	43.2993	8.660
	49 4-Methyl-2-pentanone	43	6.435	6.436	(1.236)	459019	39.8315	7.966
	50 Toluene	91	6.624	6.625	(0.841)	1686175	48.6512	9.730
	51 trans-1,3-Dichloropropene	75	6.801	6.802	(0.863)	464519	44.9086	8.982
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.967	6.968	(0.884)	336130	46.0680	9.214
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.133	7.134	(0.905)	326813	49.1794	9.836
	56 2-Hexanone	43	7.180	7.181	(0.911)	296970	32.3371	6.467
	57 Dibromochloromethane	129	7.334	7.335	(0.931)	347444	48.7678	9.754
	58 1,2-Dibromoethane	107	7.452	7.453	(0.946)	365922	46.8624	9.372
	59 Chlorobenzene	112	7.914	7.915	(1.004)	1072055	47.5910	9.518
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	8.008	8.009	(1.017)	576642	47.7241	9.545
	62 m + p-Xylene	106	8.115	8.116	(1.030)	1454577	98.9476	19.790
M	63 Xylenes (total)	106				2144007	148.675	29.735
	64 Xylene-o	106	8.493	8.495	(1.078)	689430	49.7274	9.945
	65 Styrene	104	8.505	8.506	(1.080)	1088667	47.3763	9.475
	66 Bromoform	173	8.683	8.684	(1.102)	216863	43.3998	8.680

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7016.D
Report Date: 08-Apr-2004 14:19

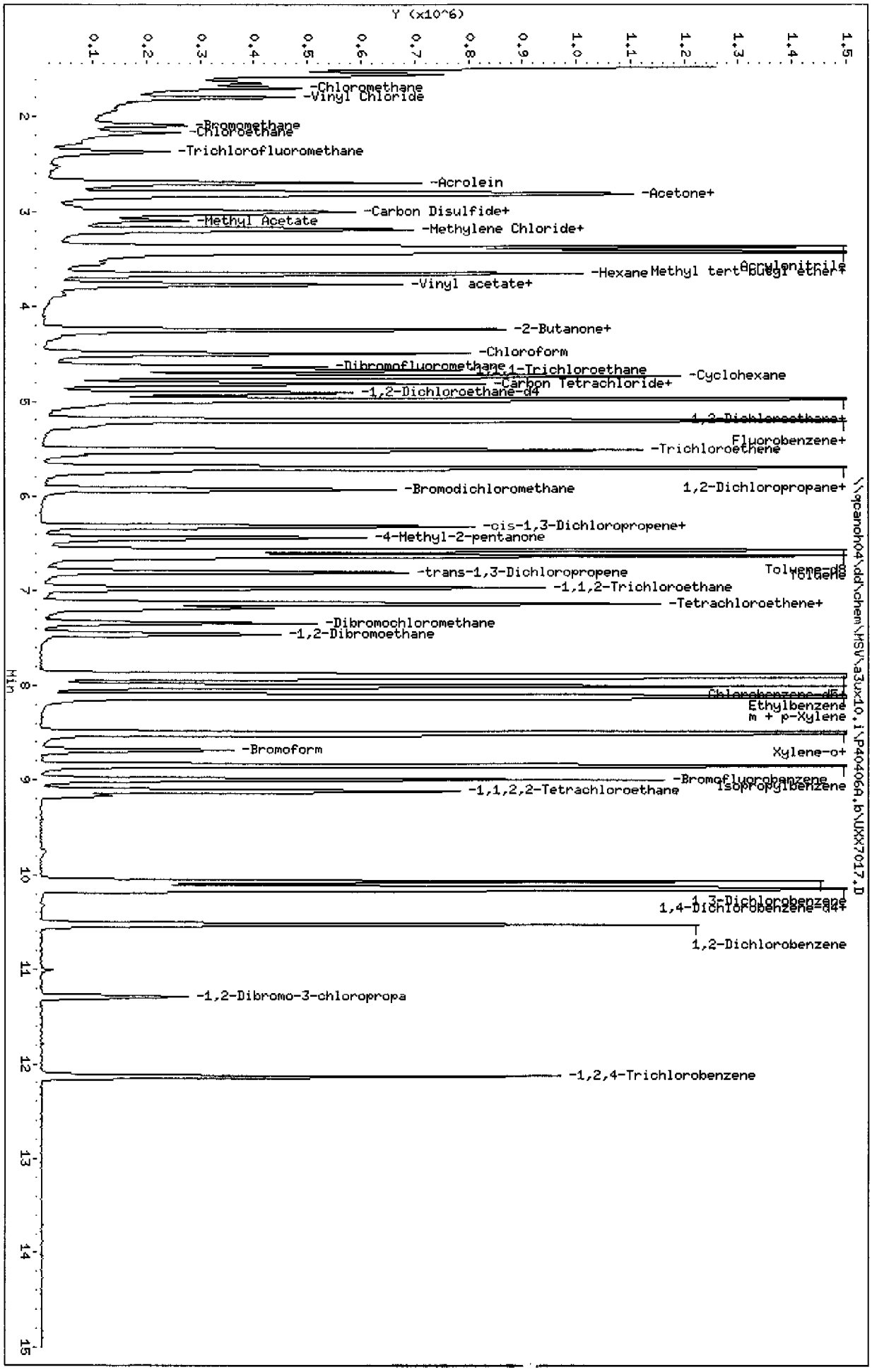
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.848	8.850	(1.123)	1700822	51.1380	10.228
68 1,1,2,2-Tetrachloroethane	83	9.109	9.110	(0.900)	478674	50.9633	10.193
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	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	10.067	10.068	(0.994)	731641	44.2227	8.844
81 1,4-Dichlorobenzene	146	10.150	10.151	(1.002)	798306	45.7906	9.158
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.529	10.530	(1.040)	662898	42.4903	8.498
84 1,2-Dibromo-3-chloropropane	157	11.286	11.287	(1.115)	88563	40.9339	8.187
85 1,2,4-Trichlorobenzene	180	12.126	12.127	(1.197)	381271	47.6514	9.530
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	3.003	3.097	(0.577)	1102935	283.218	56.644(A)
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.234	4.280	(0.814)	225837	19.4058	3.881
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	4.742	4.848	(0.602)	365640	840.690	168.14(A)
99 n-Butanol	56	5.204	5.404	(0.661)	12567	85.5503	17.110
100 Methyl Methacrylate	41	5.701	5.771	(1.095)	495212	58.3527	11.670
101 2-Nitropropane	41	5.973	6.102	(1.148)	407	4.50720	0.9014
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.742	4.732	(0.911)	650072	52.8242	10.565
143 Methyl Acetate	43	3.098	3.099	(0.595)	374676	41.4938	8.299
144 Methylcyclohexane	83	5.701	5.702	(1.095)	702634	52.4833	10.497
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7017.D
Date : 06-APR-2004 20:54
Client ID: MW44/032904
Sample Info: GC7F21AD,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7017.D
Report Date: 08-Apr-2004 14:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7017.D
Lab Smp Id: GC7F21AD Client Smp ID: MW44/032904
Inj Date : 06-APR-2004 20:54
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GC7F21AD,5ML/5ML
Misc Info : P40406A,8260LLUX10,,1904,3,,MSD
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\8260LLUX10.m
Meth Date : 08-Apr-2004 14:15 quayler Quant Type: ISTD
Cal Date : 22-JAN-2004 00:17 Cal File: UXX5491.D
Als bottle: 10 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.204	5.205	(1.000)	1888952	50.0000	
* 2 Chlorobenzene-d5	117	7.879	7.879	(1.000)	1288947	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	(1.000)	605051	50.0000	
$ 4 Dibromofluoromethane	113	4.625	4.625	(0.889)	380756	54.6668	10.933
$ 5 1,2-Dichloroethane-d4	65	4.909	4.909	(0.943)	425706	47.6286	9.526
$ 6 Toluene-d8	98	6.565	6.566	(0.833)	1409079	51.1631	10.233
$ 7 Bromofluorobenzene	95	8.991	8.992	(1.141)	484249	51.2048	10.241
8 Dichlorodifluoromethane	85	1.572	1.561	(0.302)	138977	26.0793	5.216
9 Chloromethane	50	1.702	1.702	(0.327)	311970	38.6475	7.730
10 Vinyl Chloride	62	1.797	1.797	(0.345)	368622	46.2849	9.257
11 Bromomethane	94	2.092	2.093	(0.402)	165251	46.7280	9.346
12 Chloroethane	64	2.175	2.176	(0.418)	205045	39.4481	7.890
13 Trichlorofluoromethane	101	2.365	2.377	(0.454)	248173	30.5504	6.110
15 Acrolein	56	2.696	2.696	(0.518)	796547	464.292	92.858
16 Acetone	43	2.814	2.815	(0.541)	121030	18.1821	3.636
17 1,1-Dichloroethene	96	2.802	2.803	(0.538)	351256	47.1571	9.431
18 Freon-113	151	2.826	2.827	(0.543)	285956	54.6481	10.930
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7017.D
Report Date: 08-Apr-2004 14:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	20 Carbon Disulfide	76	3.003	3.004	(0.577)	1028926	48.3378	9.668
	21 Methylene Chloride	84	3.193	3.193	(0.614)	387777	47.6123	9.522
	22 Acetonitrile	41	3.039	3.040	(0.584)	409828	354.624	70.925
	23 Acrylonitrile	53	3.370	3.371	(0.648)	1835655	436.985	87.397
	24 Methyl tert-butyl ether	73	3.418	3.418	(0.657)	1094629	48.8657	9.773
	25 trans-1,2-Dichloroethene	96	3.429	3.430	(0.659)	404247	48.3239	9.665
	26 Hexane	86	3.654	3.655	(0.702)	100171	51.8651	10.373
	27 Vinyl acetate	43	3.773	3.785	(0.725)	41841	2.84222	0.5684
	28 1,1-Dichloroethane	63	3.761	3.773	(0.723)	648861	48.1880	9.638
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.234	4.235	(0.814)	224950	29.4202	5.884
M	31 1,2-Dichloroethene (total)	96				843987	99.1672	19.833
	32 cis-1,2-dichloroethene	96	4.246	4.247	(0.816)	439740	50.8432	10.169
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.494	4.495	(0.864)	701941	50.7190	10.144
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.672	4.673	(0.898)	508642	47.5243	9.505
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.814	4.815	(0.925)	452323	48.1454	9.629
	40 1,2-Dichloroethane	62	4.980	4.980	(0.957)	557118	51.4689	10.294
	41 Benzene	78	4.980	4.980	(0.957)	1650757	49.0941	9.819
	42 Trichloroethene	130	5.512	5.513	(1.059)	473043	48.5754	9.715
	43 1,2-Dichloropropane	63	5.701	5.702	(1.095)	375394	49.7509	9.950
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.926	5.927	(1.139)	486994	49.6081	9.922
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.317	6.317	(1.214)	528162	45.3198	9.064
	49 4-Methyl-2-pentanone	43	6.435	6.436	(1.236)	450025	41.0260	8.205
	50 Toluene	91	6.624	6.625	(0.841)	1666075	48.9346	9.787
	51 trans-1,3-Dichloropropene	75	6.802	6.802	(0.863)	453208	44.6021	8.920
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.967	6.968	(0.884)	329326	45.9462	9.189
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.133	7.134	(0.905)	328856	50.3757	10.075
	56 2-Hexanone	43	7.180	7.181	(0.911)	306357	33.9585	6.792
	57 Dibromochloromethane	129	7.334	7.335	(0.931)	333454	47.6448	9.529
	58 1,2-Dibromoethane	107	7.453	7.453	(0.946)	365039	47.5890	9.518
	59 Chlorobenzene	112	7.914	7.915	(1.004)	1073408	48.5070	9.701
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	8.009	8.009	(1.017)	580769	48.9290	9.786
	62 m + p-Xylene	106	8.115	8.116	(1.030)	1426489	98.7799	19.756
M	63 Xylenes (total)	106				2112736	149.167	29.833
	64 Xylene-o	106	8.494	8.495	(1.078)	686247	50.3868	10.077
	65 Styrene	104	8.506	8.506	(1.080)	1087343	48.1686	9.634
	66 Bromoform	173	8.683	8.684	(1.102)	207124	42.1953	8.439

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40406A.b\UXX7017.D
Report Date: 08-Apr-2004 14:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.849	8.850	(1.123)	1702728	52.1148	10.423
68 1,1,2,2-Tetrachloroethane	83	9.109	9.110	(0.900)	471959	52.4470	10.489
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	10.068	10.068	(0.994)	732550	46.2150	9.243
81 1,4-Dichlorobenzene	146	10.151	10.151	(1.002)	812163	48.6238	9.725
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.529	10.530	(1.040)	681254	45.5775	9.116
84 1,2-Dibromo-3-chloropropane	157	11.286	11.287	(1.115)	91783	44.2783	8.856
85 1,2,4-Trichlorobenzene	180	12.127	12.127	(1.197)	382393	49.8828	9.976
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	3.145	3.097	(0.604)	86855	23.4311	4.686
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.234	4.280	(0.814)	224950	20.3071	4.061
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	4.814	4.848	(0.611)	39627	92.7480	18.550
99 n-Butanol	56	5.204	5.404	(0.661)	10057	79.1284	15.826
100 Methyl Methacrylate	41	5.701	5.771	(1.095)	487567	60.3574	12.071
101 2-Nitropropane	41	6.151	6.102	(1.182)	1147	4.88651	0.9773
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.731	4.732	(0.909)	587260	50.1335	10.027
143 Methyl Acetate	43	3.098	3.099	(0.595)	344319	40.0604	8.012
144 Methylcyclohexane	83	5.701	5.702	(1.095)	637002	49.9873	9.997
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GDDMJ1AN-MS **Matrix.....:** WG
MS Lot-Sample #: A4D010333-002 GDDMJ1AP-MSD
Date Sampled...: 03/31/04 10:55 **Date Received..:** 04/01/04
Prep Date.....: 04/08/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4099202
Dilution Factor: 10 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**94**	**(78 - 118)**			**SW846 8260B**
	94	**(78 - 118)**	**0.34**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**91**	**(76 - 117)**			**SW846 8260B**
	90	**(76 - 117)**	**0.98**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**95**	**(62 - 130)**			**SW846 8260B**
	109	**(62 - 130)**	**14**	**(0-20)**	**SW846 8260B**
Toluene	**85**	**(70 - 119)**			**SW846 8260B**
	88	**(70 - 119)**	**3.4**	**(0-20)**	**SW846 8260B**
Trichloroethene	**91**	**(62 - 130)**			**SW846 8260B**
	91	**(62 - 130)**	**0.59**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	102	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
	96	(61 - 128)
Toluene-d8	91	(76 - 110)
	93	(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

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4C30268 **Work Order #...:** GDDMJ1AN-MS **Matrix.....:** WG
MS Lot-Sample #: A4D010333-002 GDDMJ1AP-MSD
Date Sampled...: 03/31/04 10:55 **Date Received..:** 04/01/04
Prep Date.....: 04/08/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4099202
Dilution Factor: 10 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**100**	**100**	**ug/L**	**94**		**SW846 8260B**
	ND	**100**	**100**	**ug/L**	**94**	**0.34**	**SW846 8260B**
Chlorobenzene	**ND**	**100**	**95**	**ug/L**	**91**		**SW846 8260B**
	ND	**100**	**94**	**ug/L**	**90**	**0.98**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**100**	**95**	**ug/L**	**95**		**SW846 8260B**
	ND	**100**	**110**	**ug/L**	**109**	**14**	**SW846 8260B**
Toluene	**ND**	**100**	**85**	**ug/L**	**85**		**SW846 8260B**
	ND	**100**	**88**	**ug/L**	**88**	**3.4**	**SW846 8260B**
Trichloroethene	**ND**	**100**	**91**	**ug/L**	**91**		**SW846 8260B**
	ND	**100**	**91**	**ug/L**	**91**	**0.59**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	102	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
	96	(61 - 128)
Toluene-d8	91	(76 - 110)
	93	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)
	99	(74 - 116)

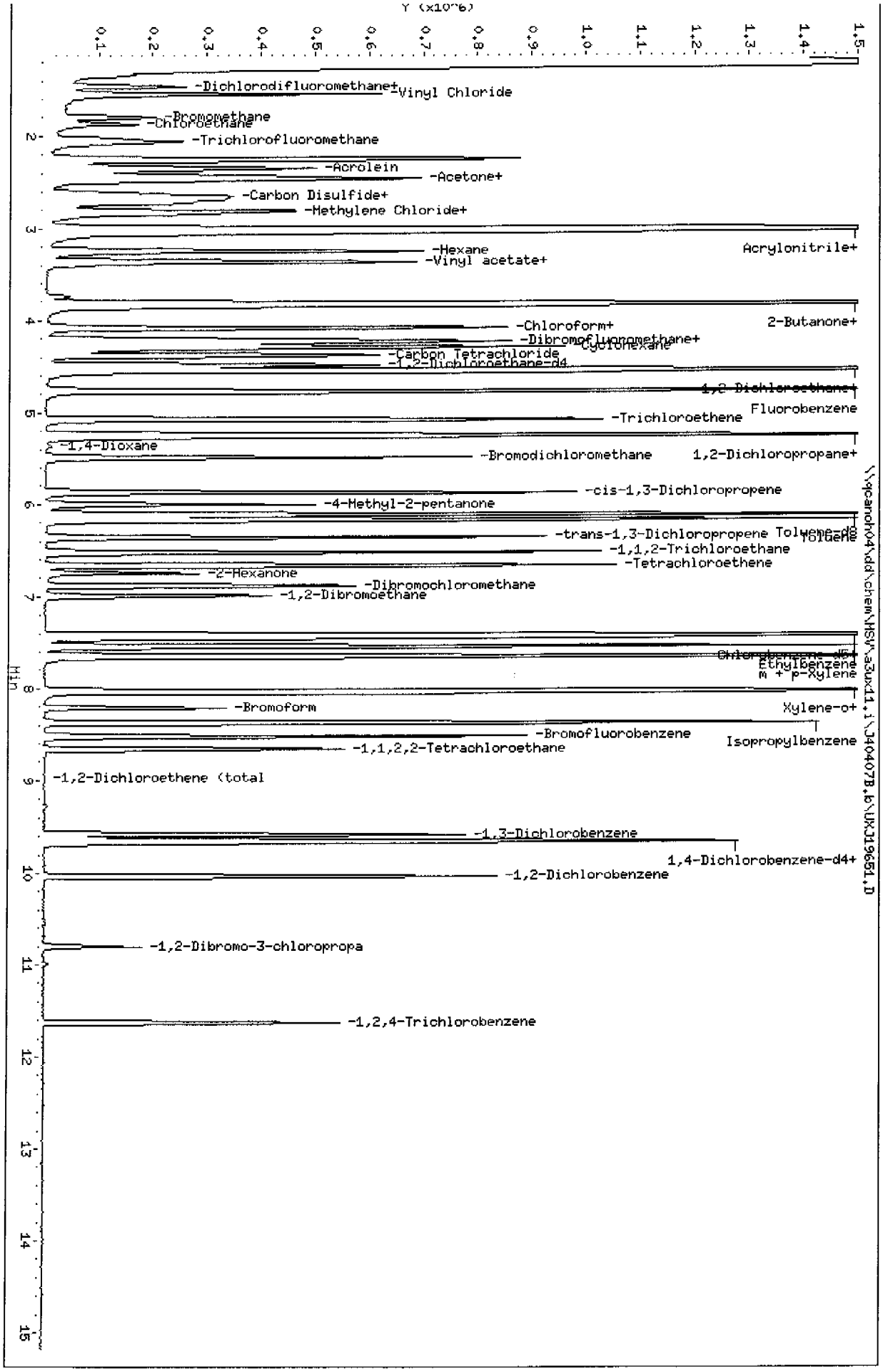
NOTE(S):

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

Bold print denotes control parameters

Data File: \\qcanh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19651.D
Date : 08-APR-2004 06:48
Client ID:
Sample Info: GDDHJ ,0.5ML/5ML
Purge Volume: 0.5
Column phase: DB624

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



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19651.D
Lab Smp Id: GDDMJ
Inj Date : 08-APR-2004 06:48
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GDDMJ ,0.5ML/5ML
Misc Info : J40407B,8260LLUX11,2-8260.SUB,43582,3,,MS
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m
Meth Date : 08-Apr-2004 09:19 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 56 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.765	4.765	(1.000)	1595949	50.0000	
* 2 Chlorobenzene-d5	117	7.416	7.416	(1.000)	1011777	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	312813	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.883)	353078	50.1524	100.30
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.940)	499979	49.4982	98.996
$ 6 Toluene-d8	98	6.102	6.102	(0.823)	1377875	45.6328	91.266
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.148)	341937	48.7817	97.563
8 Dichlorodifluoromethane	85	1.345	1.345	(0.282)	114023	45.6385	91.277
9 Chloromethane	50	1.464	1.464	(0.307)	300827	48.4060	96.812
10 Vinyl Chloride	62	1.547	1.546	(0.325)	694394	121.647	243.29
11 Bromomethane	94	1.795	1.795	(0.377)	147240	35.9465	71.893
12 Chloroethane	64	1.866	1.866	(0.392)	177298	41.5412	83.082
13 Trichlorofluoromethane	101	2.055	2.055	(0.431)	352038	38.6615	77.323
15 Acrolein	56	2.351	2.339	(0.493)	716624	679.508	1359.0
16 Acetone	43	2.458	2.458	(0.516)	163887	34.9823	69.964
17 1,1-Dichloroethene	96	2.434	2.434	(0.511)	272120	47.3481	94.696
18 Freon-113	151	2.470	2.458	(0.518)	148700	52.7115	105.42
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanon04\dd\chem\MSV\a3ux11.1\040407B.D\UX019031.D
Report Date: 08-Apr-2004 09:33

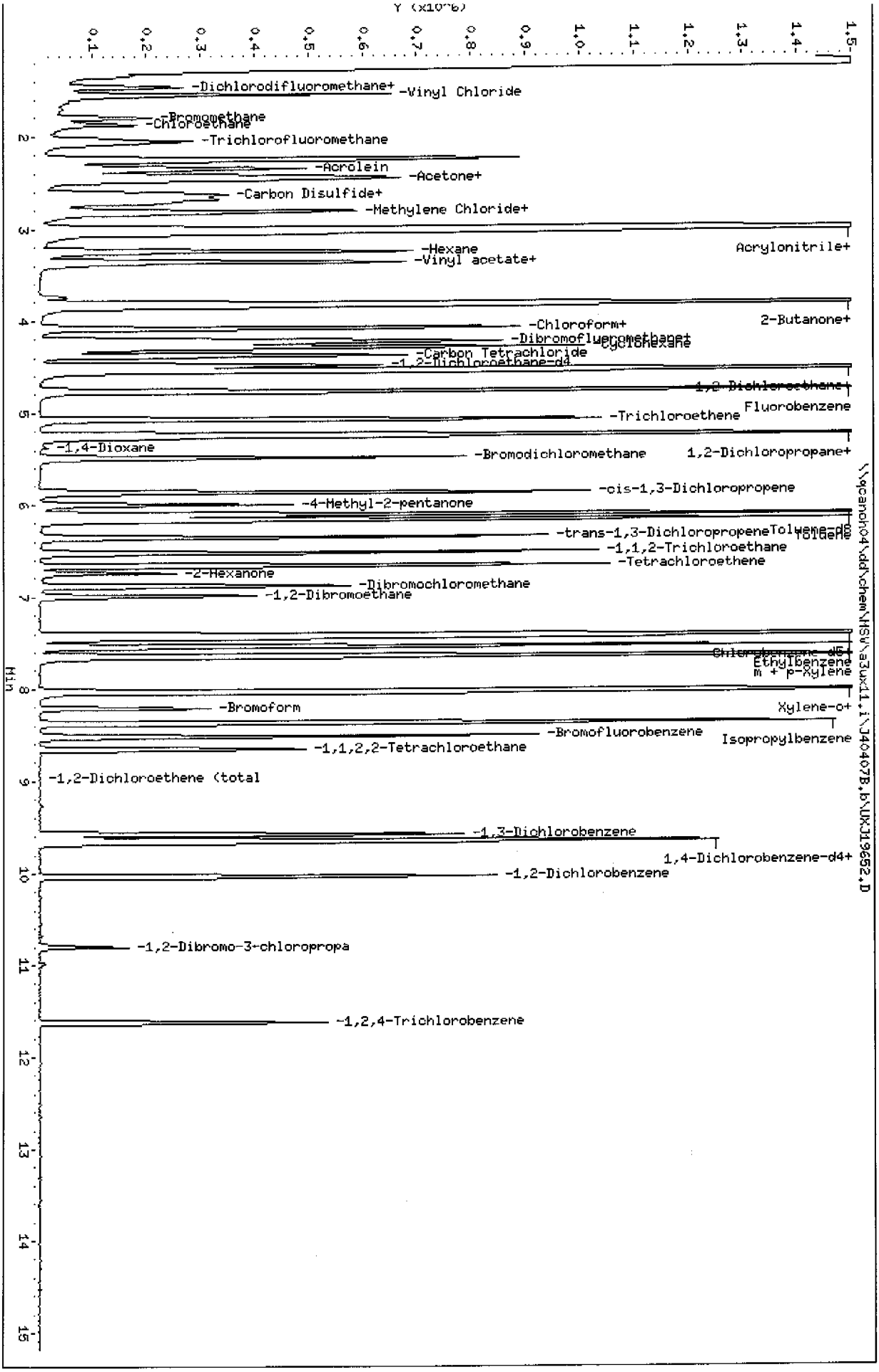
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.635	2.623	(0.553)	816276	43.9214	87.843
	21 Methylene Chloride	84	2.813	2.813	(0.590)	350815	49.8418	99.684
	22 Acetonitrile	41	2.683	2.682	(0.563)	503381	566.454	1132.9
	23 Acrylonitrile	53	2.990	2.990	(0.628)	1732774	562.276	1124.6
	24 Methyl tert-butyl ether	73	3.026	3.026	(0.635)	991875	41.9486	83.897
	25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.635)	432505	51.9963	103.99
	26 Hexane	86	3.239	3.250	(0.680)	62285	35.5319	71.064
	27 Vinyl acetate	43	3.416	3.392	(0.717)	14659	3.84506	7.690
	28 1,1-Dichloroethane	63	3.357	3.357	(0.705)	788769	51.2276	102.46
	29 tert-Butyl Alcohol	59	2.884	2.884	(0.605)	3665	110.183	220.37
	30 2-Butanone	43	3.819	3.818	(0.801)	215933	38.6413	77.282
M	31 1,2-Dichloroethene (total)	96				2326243	273.570	547.14
	32 cis-1,2-dichloroethene	96	3.819	3.818	(0.801)	1893738	221.573	443.15(A)
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.079	4.079	(0.856)	723628	49.4525	98.905
	36 Tetrahydrofuran	42	4.055	4.055	(0.851)	13055	4.12556	8.251
	37 1,1,1-Trichloroethane	97	4.233	4.233	(0.888)	510869	47.4431	94.886
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.375	4.375	(0.918)	431107	52.5881	105.18
	40 1,2-Dichloroethane	62	4.540	4.540	(0.953)	630332	46.7206	93.441
	41 Benzene	78	4.540	4.540	(0.953)	1840712	50.5675	101.14
	42 Trichloroethene	130	5.073	5.073	(1.065)	381612	45.2973	90.595
	43 1,2-Dichloropropane	63	5.250	5.250	(1.102)	438380	46.5412	93.082
	44 1,4-Dioxane	88	5.369	5.369	(1.127)	7251	114.271	228.54
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.487	5.487	(1.151)	535985	50.2919	100.58
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	5.866	5.865	(1.231)	571979	42.9379	85.876
	49 4-Methyl-2-pentanone	43	5.996	5.996	(1.258)	371483	42.2410	84.482
	50 Toluene	91	6.161	6.161	(0.831)	1656525	42.4512	84.902
	51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.856)	505861	42.4466	84.893
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.516	6.516	(0.879)	337343	48.9837	97.967
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.658	6.658	(0.898)	240658	41.2349	82.470
	56 2-Hexanone	43	6.741	6.741	(0.909)	224989	34.4982	68.996
	57 Dibromochloromethane	129	6.883	6.883	(0.928)	335132	51.6996	103.40
	58 1,2-Dibromoethane	107	6.990	6.990	(0.943)	319195	49.8144	99.629
	59 Chlorobenzene	112	7.439	7.439	(1.003)	965502	47.6045	95.209
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.534	7.534	(1.016)	456429	42.5323	85.064
	62 m + p-Xylene	106	7.641	7.640	(1.030)	1096358	84.7682	169.54
M	63 Xylenes (total)	106				1595180	128.188	256.38
	64 Xylene-o	106	8.019	8.019	(1.081)	498822	43.4201	86.840
	65 Styrene	104	8.031	8.031	(1.083)	851247	44.1807	88.361
	66 Bromoform	173	8.209	8.208	(1.107)	169288	61.9226	123.84

Data File: \\qcanon04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19651.D
Report Date: 08-Apr-2004 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.374	8.374	(1.129)	1030798	44.1172	88.234
68 1,1,2,2-Tetrachloroethane	83	8.658	8.658	(0.898)	301404	60.6265	121.25
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.581	9.581	(0.994)	366700	41.6508	83.302
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	410580	42.9150	85.830
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	375219	41.6377	83.275
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	41086	44.1981	88.396
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	176172	31.7982	63.596
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.280	4.280	(0.898)	532760	43.0399	86.080
143 Methyl Acetate	43	2.718	2.718	(0.570)	356828	57.7265	115.45
144 Methylcyclohexane	83	5.239	5.238	(1.099)	408375	36.3250	72.650
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Purge Volume: 0.5
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Hexane
-Vinyl acetate+
Acrylonitrile+
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,2-Dichloroethene (total
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanch04\dd\chem\HSV\a3ux11.i\J40407B.b\UXJ19652.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19652.D
Report Date: 08-Apr-2004 09:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40407B.b\UXJ19652.D
Lab Smp Id: GDDMJ
Inj Date : 08-APR-2004 07:11
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GDDMJ ,0.5ML/5ML
Misc Info : J40407B,8260LLUX11,2-8260.SUB,43582,3,,MSD
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40407B.b\8260LLUX11.m
Meth Date : 08-Apr-2004 09:19 evansl Quant Type: ISTD
Cal Date : 03-MAR-2004 00:05 Cal File: UXJ18641.D
Als bottle: 57 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.765	4.765	(1.000)	1601363	50.0000	
* 2 Chlorobenzene-d5	117	7.416	7.416	(1.000)	1002674	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.640	9.640	(1.000)	305770	50.0000	
$ 4 Dibromofluoromethane	113	4.209	4.209	(0.883)	358640	50.7702	101.54
$ 5 1,2-Dichloroethane-d4	65	4.481	4.481	(0.940)	486421	47.9932	95.986
$ 6 Toluene-d8	98	6.102	6.102	(0.823)	1396950	46.6846	93.369
$ 7 Bromofluorobenzene	95	8.516	8.516	(1.148)	343595	49.4632	98.926
8 Dichlorodifluoromethane	85	1.345	1.345	(0.282)	115332	46.0064	92.013
9 Chloromethane	50	1.464	1.464	(0.307)	306734	49.1896	98.379
10 Vinyl Chloride	62	1.547	1.546	(0.325)	728645	127.215	254.43
11 Bromomethane	94	1.795	1.795	(0.377)	147882	35.9773	71.955
12 Chloroethane	64	1.866	1.866	(0.392)	177499	41.4477	82.895
13 Trichlorofluoromethane	101	2.055	2.055	(0.431)	374515	40.9909	81.982
15 Acrolein	56	2.351	2.339	(0.493)	685818	648.099	1296.2
16 Acetone	43	2.458	2.458	(0.516)	160520	34.1477	68.295
17 1,1-Dichloroethene	96	2.434	2.434	(0.511)	314535	54.5431	109.09
18 Freon-113	151	2.458	2.458	(0.516)	140453	49.6198	99.240
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040407B.D\UX019652.D
Report Date: 08-Apr-2004 09:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.623	2.623	(0.551)	938151	50.3085	100.62
	21 Methylene Chloride	84	2.813	2.813	(0.590)	394103	55.8026	111.60
	22 Acetonitrile	41	2.682	2.682	(0.563)	495136	555.292	1110.6
	23 Acrylonitrile	53	2.990	2.990	(0.628)	1613750	521.883	1043.8
	24 Methyl tert-butyl ether	73	3.026	3.026	(0.635)	969488	40.8632	81.726
	25 trans-1,2-Dichloroethene	96	3.026	3.026	(0.635)	431181	51.6619	103.32
	26 Hexane	86	3.250	3.250	(0.682)	68443	38.9129	77.826
	27 Vinyl acetate	43	3.404	3.392	(0.714)	14608	3.83942	7.679
	28 1,1-Dichloroethane	63	3.357	3.357	(0.705)	799271	51.7341	103.47
	29 tert-Butyl Alcohol	59	2.884	2.884	(0.605)	1120	105.603	211.21
	30 2-Butanone	43	3.818	3.818	(0.801)	196119	34.9769	69.954
M	31 1,2-Dichloroethene (total)	96				2372756	278.064	556.13
	32 cis-1,2-dichloroethene	96	3.818	3.818	(0.801)	1941575	226.402	452.80(A)
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.079	4.079	(0.856)	736541	50.1648	100.33
	36 Tetrahydrofuran	42	4.079	4.055	(0.856)	11863	3.68415	7.368
	37 1,1,1-Trichloroethane	97	4.233	4.233	(0.888)	524830	48.5749	97.150
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.375	4.375	(0.918)	435345	52.9256	105.85
	40 1,2-Dichloroethane	62	4.540	4.540	(0.953)	618004	45.6520	91.304
	41 Benzene	78	4.540	4.540	(0.953)	1840739	50.3973	100.79
	42 Trichloroethene	130	5.073	5.073	(1.065)	385202	45.5689	91.138
	43 1,2-Dichloropropane	63	5.250	5.250	(1.102)	443507	46.9263	93.852
	44 1,4-Dioxane	88	5.369	5.369	(1.127)	7805	122.586	245.17
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.487	5.487	(1.151)	536793	50.1975	100.39
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	5.866	5.865	(1.231)	579068	43.3231	86.646
	49 4-Methyl-2-pentanone	43	5.996	5.996	(1.258)	340957	38.6388	77.278
	50 Toluene	91	6.161	6.161	(0.831)	1698483	43.9216	87.843
	51 trans-1,3-Dichloropropene	75	6.351	6.351	(0.856)	509821	43.1673	86.334
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.516	6.516	(0.879)	328383	48.1156	96.231
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.658	6.658	(0.898)	239818	41.4640	82.928
	56 2-Hexanone	43	6.741	6.741	(0.909)	204935	32.3862	64.772
	57 Dibromochloromethane	129	6.883	6.883	(0.928)	328469	51.1318	102.26
	58 1,2-Dibromoethane	107	6.990	6.990	(0.943)	302157	47.5835	95.167
	59 Chlorobenzene	112	7.439	7.439	(1.003)	947463	47.1392	94.278
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.534	7.534	(1.016)	463923	43.6231	87.246
	62 m + p-Xylene	106	7.640	7.640	(1.030)	1112116	86.7672	173.53
M	63 Xylenes (total)	106				1631549	132.392	264.78
	64 Xylene-o	106	8.019	8.019	(1.081)	519433	45.6247	91.249
	65 Styrene	104	8.031	8.031	(1.083)	868484	45.4845	90.969
	66 Bromoform	173	8.208	8.208	(1.107)	161297	59.5353	119.07

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.1\040407B.D\UX019652.D
Report Date: 08-Apr-2004 09:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.374	8.374	(1.129)	1050306	45.3603	90.720
68 1,1,2,2-Tetrachloroethane	83	8.658	8.658	(0.898)	286536	58.9634	117.93
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.581	9.581	(0.994)	367865	42.7456	85.491
81 1,4-Dichlorobenzene	146	9.664	9.664	(1.002)	402442	43.0333	86.067
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.031	10.031	(1.041)	370886	42.1048	84.210
84 1,2-Dibromo-3-chloropropane	157	10.800	10.800	(1.120)	39885	43.8945	87.789
85 1,2,4-Trichlorobenzene	180	11.628	11.628	(1.206)	174500	32.2219	64.444
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.280	4.280	(0.898)	542750	43.6987	87.397
143 Methyl Acetate	43	2.718	2.718	(0.570)	307472	49.5737	99.147
144 Methylcyclohexane	83	5.238	5.238	(1.099)	417216	36.9859	73.972
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

SEVERN TRENT STL

MISCELLANEOUS DATA

UX7

Batch # 407 5229

STL-North Canton
GC/MS VOA Run Log

3/10

Date: 3-12-04

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

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold -- min
IS # 1027 SS # 1027

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

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

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
			BFB 192	50ng	Direct Inject		
	Rinse		UX7 4107	-	-	10 HS	OK
	↓		09	-	-		OK
1	200ml		10	5 ng	V1035, 37 V1044, 45		OK
2			11	10		2nd Passed	OK
3			12	25			OK
4			13	50			OK
5			14	100			OK
6	↓		15	200	↓	↓	OK
7	10V		~~16~~	50ng	V1034	1 Compound out	-
8	10V		17	↓	V1046	Passed 2nd Passed	OK
9	LCS		18	50ng	V1034		OK
10	Dup		19	↓	↓	GAS 2X-1AC	ok
11	VBlank		20	5ml		-1AD	ok
12	GAV40-1AA		21	1.5ml		-1AA	ok
13	GAV49-1AA CD		22	0.04ml		BB 5ml	-
14	GAV5A-1AA		23	0.05ml			OK
15	GAV5C-1AA		24	0.15ml			OK
16	GAV5D-1AA		25	0.25ml			OK
17	GAV5F-1AA		26	5ml			OK
18	GAV5G-1AA		27	5ml			OK
19	GAV5H-1AA		28	5ml			OK
20	GAV5J-1AA		29				OK
21	GAV5K-1AA		30				OK
22	GAW8T-1AC		31				OK
23	GAW9C-1AC		32				OK
24	GAW9J-1AC		33				OK
25	GAW9K-1AC		34	0.25ml			OK
26	GAW9L-1AC		35	0.45ml			OK
27	↓ MS		36	+ 50 ng	V1034	N/R	OK
28	MSD	↓	37	↓ ↓	↓	↓ Out of Time	OK
							OK

Analyst: CMR
Level 2 review: TP

cmr 3-15-04

UX7
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 2-15-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # 1627 SS # V 1627		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
✓			BFB 192	Direct Inject		7:27	OK
1	A9 Cal		UX74134	5 ng	V 1633 V 1634	2 Cal Passed	OK
2	↓		39	10	↓	↓	OK
3			40	25			OK
4			41	50			OK
5			42	100			OK
6			43	200			OK
7			44				
8			45				
9			46				
10			47				
11			48				
12			49				
13			50				
14			51				
15			52				
16			53				
17			54				
18			55				
19			56				
20			57				
21			58				
22			59				
23			60				
24			61				
25			62				
26			63				
27			64				

Analyst: JMR
Level 2 review: SMM 1/17

CMR 3-15-04

UX7 Batch # 4103342

STL-North Canton
GC/MS VOA Run Log

(4/1)

Date: 4-1-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V1727 SS # V1730		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
			BFB212	50 ng	Direct Inject	08:35	OK
1	Val Cal		UX7 H0512		V1720-22	UH0312	OK
2	A9 Cal		55		V1720-22	UH0315	OK
3	LCS	GOOSV	56		V1721		OK
4	LCSD		57				OK
5	Val Blank		58	5ml			OK
6	CC9DL-1AC		59				OK
7	CC9PO-1AK		60				OK
8	CC9R-1AA		61				OK
9	CC9VC-1AA		62				OK
10	CC9VS-1AA		63				OK
11	CC9WC-1AA		64	3ml			OK
12	CC9WD-1AA		65	0.15ml			OK
13	IA9 M2		66	+50 ng 5ml	V1721		OK
14	IA/MOD		67				OK
15	CC9WU-1AA		68				OK
16	CC9WE-1AA		69				OK
17	CC9W9-1AA		70				OK
18	CC9XC-1AA		71				OK
19	CC9XC-1AA		72				OK
20	CC9XG-1AA		73	0.75ml			OK
21	CC9XF-1AA		74	5ml			OK
22	CC9XT-1AA		75			R - 3.5ml	
23	CC9XW-1AA		76	0.25ml			OK
24	CC9XX-1AA		77	5ml			OK
25	CC9XX-1AA		78			R - 3.5ml	
26	CC9X2-1AA		79				OK
27	CC9X3-1AA		80				OK

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

7.2

UX10
Batch # 401636 1

STL-North Canton
GC/MS VOA Run Log

Date: 1-15-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V1463 SS # V1464	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: (Yes) No

1/28

Auto num	Sample ID Workorder	Method	File Name	Amt purge	Standard Group	Comment	
	BFB		BFB1174	50ng	DIR 105	1011	ok
	8260 STD		UXX5349	50ng	V1469,73,75	V40114	ok
	APP. IX STD		50	200ng	V1466,74		ok
			51	100ng			ok
			52	50ng		V40115	ok
			53	25ng			ok
			54	10ng			ok
			55	5ng			ok
	CHECK	F75TW	56	50ng	V1470		ok
	CHECK		57	50ng			ok
	BLANK		58	5mL			ok
	F70H61AA	6m	59	3mL/5mL			ok
	F70E81AA		60	1.5mL/5mL		R - 1mL	
	F70E51AA		61	0.001mL/5mL	X100	R - ~~3.5~~ 1-100	
	F70H61AC	M3	62	3mL/5mL	+ 50ng		ok
	F70H61AD	M3D	63				ok
	F70E61AA		64	5mL			ok
	AL'S BLANK	#1	65	5mL		NO SAMPLE	—
		#2	66				ok
		#3	67				ok
	F70E81AA		68	1mL/5mL			ok
	F70E51AA		69	0.001mL/5mL	X100		ok
	AL'S BLANK #1 ~~APP IX mix~~		70	5mL ~~2.5ng~~			ok
	A9 MDL		71	2.5ng	1-15-4 V1463		ok
			72				ok
			73				ok
			74				ok
			75				ok
			76				ok
	A9 MDL ~~ACROLEIN MDL~~		77	2.5 ~~100ng~~			ok
	ACROLEIN MDL		78	100 ng	1-15-4	R - WRONG SPIKE AMT	
			UXX5379		V1473		

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

UX10
Batch # 4084284

STL-North Canton
GC/MS VOA Run Log

Date: 3-23-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V1654 SS # V1679		Heated purge: Yes No

3/29

Auto num	Sample/Blank Workorder#	Method	File Name	Amount	Standard Sample prep		
	BFB		BFB1223	50ng	DIR INJ	0944	ok
	8260 STD		UXX6670	200ng	V1675,76,77,79		ok
			71	100ng			ok
			72	50ng		V40323	ok
			73	25ng			ok
			74	10ng			ok
			75	5ng			ok
	ICV		76	50ng	V1673,79		ok
	CHECK	GCIE	77	50ng			ok
	BLANK		78	5mL	V1679		ok
	MANUALLY ADDED SURROGATES		79	50ng	V1679		ok
			80				ok
			81				ok
			82				ok
			83				ok
	ARCON ADDED SURROGATES		84	(50PPM V1679) 50ng			ok
			85				ok
			86				ok
			87				ok
			88				ok
	GCE061AA	6m	89	5mL	V1679		ok
	GA88K1AA		90				ok
	GCE0W1AA	6m	91	1.25mL/5mL			ok
	GCE0X1AA		92	5mL			ok
	GCE051AA		93	5mL			ok
	GCE051AC	MS	94		+ 50ng		ok
	GCE051AD	MSD	95				ok
	GCE001AA		96	5mL			ok
	GCE011AA		97				ok
	GCE021AA		98				ok
	GCE031AA		UXX6699	1.25mL/5mL			ok
						RA 3-24-04	

Analyst: RA
Level 2 review: [illegible]

UX10
Batch # 4098187

STL-North Canton
GC/MS VOA Run Log

Date: 4-6-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold – min	to – C @ – C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V1685 SS # V1687		Heated purge: Yes No

4/13

Auto Sample Index	Sample ID		Data File	Amount	Internal Std	Surrogate	Comments
	BFB		BFB 1237	50ng	BIR 135	1750	ok
	8260 STD		UXX 7010	50ng	V1716, 2022	V40323	ok
	APP. IX STD		11	50ng	V1672, 1715	V40115	ok
	CHECK	60MMA	12	50ng	V1721		ok
	CHECK	↓	13	50ng	↓		ok
	BLANK	↓	14	5ML			ok
	GC7F2 1AA		15	5ML			ok
	GC7F2 1AC	MS	16	↓	+50ng		ok
	GC7F2 1AD	MSD	17	↓	↓		ok
	GC7GH 1AF		18	5ML			ok
	GC7GK 1AF		19	↓			ok
	GC7GL 1AF		20	0.175ML/5ML			ok
	GC7GM 1AF		21	5ML			ok
	GC7GN 1AF		22	↓			ok
	GC7GP 1AF		23	0.125ML/5ML		TIC	ok
	GC7GR 1AF		24	5ML			ok
(M)	GC7GV 1AF		25	↓			ok
	GC85N 1AA		26	5ML			ok
	GC85R 1AA		27	↓			ok
	GC85V 1AA		28	↓			ok
	GC85W 1AA		29	1.25ML/5ML			ok
	GC85X 1AA		30	5ML			ok
	GC85O 1AA		31	1ML/5ML			ok
	GC85Y 1AA		32	5ML			ok
	GC852 1AA		33	↓			ok
	GC853 1AA		34	0.1ML/5ML			ok
	GC854 1AA		35	5ML			ok
	GC855 1AA		UXX 7036	↓			ok
						Rec 4-7-04	

Analyst: Rec
Level 2 review: TS

UX11
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 3/2/04
2nd time

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 20 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V1557 SS # V1569	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB039	50ng	purged	21:45	on
	Ag STD		UKJ18636	5ng			on
	Ag STD		37	10 ng	V1592,90		on
	Ag STD		38	25 ng		J40302 - Ag	on
	Ag STD		39	50 ng			on
	Ag STD		40	100 ng			on
	Ag STD		41	200 ng			on

3/3/04
JR

Analyst: _____
Level 2 review: _____

UX11
Batch # 4065269

STL-North Canton
GC/MS VOA Run Log

5-8

Date: 3/5/04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 20 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V1557 SS # V1625	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB042	50ng	direct inject	7:45	OK
1	Blank		~~BFB704~~	5ml			—
2	101 STD		02	5ng	V1602,05,13,15		OK
3	101 STD		03	10ng			OK
4	101 STD		04	20ng		J40305	OK
5	101 STD		05	50ng			OK
6	101 STD		06	100ng			OK
7	101 STD		07	200ng			OK
8	DCV		08	50ng	V1614		OK
9	Ag STD		09	50ng	V1590, 1611	J40302	OK
10	Check	GAN70	10				OK
11	Check Dup		11				OK
12	Blank		12	5ml			OK
13	GANJ4IAA	rush	13				OK
14	GANKEIAA		14				OK
15	GANKCIAA		15	1.5ml/5ml			OK
16	GANKGIAA		16	0.625ml/5ml			OK
17	GANKHIAA		17	0.45ml/5ml			OK
18	GACSTIAC		18	5ml			OK
19	GACSKIAC		19	0.4ml/5ml			OK
20	GACSLIAC		20	0.07ml/5ml			OK
21	GACSMIAC		21	0.01ml/5ml			OK
22	GACSNIAA		22	0.45ml/5ml			OK
23	GANKCIAC	(S)	23	1.5ml/5ml	75ng		OK
24	GANKCIAD	(D)	24				OK
25	GACSPIAA		25	2.5ml/5ml			OK
26	GACSQIAA		26	0.1ml/5ml		AR 75µL	
27	GACSRIAA		27	0.05ml/5ml		AR 0.2mL	
28	GACSTIAA		28	0.625ml/5ml			OK
29	GACSVIAA		29	5ml			OK
30	GACSWIAA		30			OUT-OF-TUNE	AR
31	GACSXIAA		31				

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

UX11
Batch # 4099202

STL-North Canton
GC/MS VOA Run Log

(4/12)

Date: 4/7/04
2nd Shift

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 20 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V1731 SS # V1732	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
✓	BFB		BFB074	50mg	dir. inject	21:04	on
✓	VOLSTD		UXJ19027		V1716,20,22	J40305	on
✓	ASTD		28		V1670,1715	J40302	on
✓	check	GDQW2	29		V1721		on
✓	check dup		30				on
✓	blank		31	5ml			on
✓	GDCQWAA	GD	32				a
✓	GDCRDIA7		33				a
✓	GDCRVIAJ		34				a
✓	GDCR3IAJ		35				a
✓	GDCWGIAA		36				a
✓	GDCWJIAA		37				a
✓	GDCWLIAA		38				a
✓	GDCWNIAA		39				a
✓	GDCIAIAA		40				a
✓	GDC24IAA		41				a
✓	GDDEGIAA	GD	42				a
✓	GDDEKIAA		43				a
✓	GDDEPIAA		44				a
✓	GDDHHIAA		45				a
✓	GDDJCIAA		46				a
✓	GDDJDIAA		47				a
✓	GDDJFIAA		48				a
✓	GDDLLIAA		49				a
✓	GDDMJIAA		50	0.5ml/5ml			a
✓	GDDMJIAN	(S)	51		+5ml		a
✓	GDDMJIAP	(D)	52				a
✓	GDDMNIAA		53	5ml			a
						4/8/04	H317

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

PSL205 Severn Trent Laboratories, I System Date: 4/01/04 15:55:11
Page 1 Local Date: 4/01/04 17:55:11

MSVOC Lot Summary - A4D010333

CLIENT: 5670 PAYNE FIRM INC. SDG: 4C30268 Date Received: 4/01/04
PROJECT MANAGER: Roger K. Toth Date Analysis Due: 4/21/04 N
SITE: EMD-OH Date Report Due: 4/27/04
LOT COMMENTS: Turnaround Time: 20
QC PACKAGE: Expanded Deliverables

9

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
001-	GDDL6-1AA	XX I 25 QK 01 MS8260LL		3/31/04	4/14/04	N	TRIP BLANK Q: CLP MSVOA TCL Standard List EXP DEL. SDG# 4C30268 (CLSD). DISS MET FF. AP9 Compounds
002-	GDDMJ-1AA	XX I 25 QK 01 MS8260LL		3/31/04 10:55	4/14/04	N	MW-8/033104 Q: CLP MSVOA TCL Standard List EXP DEL. SDG# 4C30268 (CLSD). DISS MET FF. AP9 Compounds
003-	GDDMN-1AA	XX I 25 QK 01 MS8260LL		3/31/04 10:00	4/14/04	N	MW-23/033104 Q: CLP MSVOA TCL Standard List EXP DEL. SDG# 4C30268 (CLSD). DISS MET FF. AP9 Compounds

pH 1.0

2

MS MSD 3

3

PSL205 Severn Trent Laboratories, Inc System Date: 3/31/04 14:35:32
Page 1 Local Date: 3/31/04 16:35:32

MSVOC Lot Summary - A4C310291

CLIENT: 5670 PAYNE FIRM INC. SDG: 4C30268 Date Received: 3/31/04
PROJECT MANAGER: Roger K. Toth Date Analysis Due: 4/20/04 N
SITE: EMD-OH Date Report Due: 4/26/04
LOT COMMENTS: Turnaround Time: 20
QC PACKAGE: Expanded Deliverables

4

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
001	GC9WW-1AA	XX I 25 QK 01 MS8260LL		3/30/04	4/13/04	N	TRIP BLANK 011-1 Q: CLP MSVOA TCL Standard List EXP DEL. SDG# 4C30268. DISS MET FF. AP9 Compounds
002	GC9W5-1AA	XX I 25 QK 01 MS8260LL		3/30/04 12:50	4/13/04	N	FB02/033004 Q: CLP MSVOA TCL Standard List EXP DEL. SDG# 4C30268. DISS MET FF. AP9 Compounds
004	GC9W9-1AA	XX I 25 QK 01 MS8260LL		3/30/04 11:50	4/13/04	N	MW-11A/033004 011-7 Q: CLP MSVOA TCL Standard List EXP DEL. SDG# 4C30268. DISS MET FF. AP9 Compounds
005	GC9XC-1AA	XX I 25 QK 01 MS8260LL		3/30/04 10:28	4/13/04	N	MW-43A/033004 011-1 Q: CLP MSVOA TCL Standard List EXP DEL. SDG# 4C30268. DISS MET FF. AP9 Compounds
006	GC9XE-1AA	XX I 25 QK 01 MS8260LL		3/30/04 10:00	4/13/04	N	MW-18/033004 Q: CLP MSVOA TCL Standard List EXP DEL. SDG# 4C30268. DISS MET FF. AP9 Compounds
007	GC9XG-1AA	XX I 25 QK 01 MS8260LL		3/30/04 8:52	4/13/04	N	P-1/033004 Q: CLP MSVOA TCL Standard List EXP DEL. SDG# 4C30268. DISS MET FF. AP9 Compounds

2 3 3 3 3

PSL205 Severn Trent Laboratories, Inc System Date: 3/30/04 14:00:31
Page 1 Local Date: 3/30/04 16:00:31

MSVOC Lot Summary - A4C300268

CLIENT: 5670 PAYNE FIRM INC. SDG: 4C30268 Date Received: 3/30/04
PROJECT MANAGER: Roger K. Toth Date Analysis Due: 4/13/04 N
SITE: EMD-OH Date Report Due: 4/19/04
LOT COMMENTS: Turnaround Time: 14 26
QC PACKAGE: Expanded Deliverables

74

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Esc	Sample ID, Comments / Analysis Comments
001-	GC7F2-1AA	XX I 25 QK 01 MS8260LL		3/29/04 10:48	4/12/04	N	MW44/032904 Q: CLP MSVOA TCL Standard List EMS REQ THIS SAM, EXP.DEL. SDG #4C30268, METDISS FF. AP9 Compounds
001-D	"	-1AD XX I 25 QK 01 MS8260LL		3/29/04	4/12/04	N	AP9 Compounds
001-S	"	-1AC XX I 25 QK 01 MS8260LL		3/29/04	4/12/04	N	AP9 Compounds
002-	GC7GH-1AF	XX I 25 QK 01 MS8260LL		3/29/04 10:20	4/12/04	N	MW24/032904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4C30268, METDISS FF. AP9 Compounds
003-	GC7GK-1AF	XX I 25 QK 01 MS8260LL		3/29/04 15:25	4/12/04	N	MW31D/032904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4C30268, METDISS FF. AP9 Compounds
004-	GC7GL-1AF	XX I 25 QK 01 MS8260LL		3/29/04 15:07	4/12/04	N	MW31A/032904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4C30268, METDISS FF. AP9 Compounds
005-	GC7GM-1AF	XX I 25 QK 01 MS8260LL		3/29/04 14:15	4/12/04	N	MW30/032904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4C30268, METDISS FF. AP9 Compounds
006-	GC7GN-1AF	XX I 25 QK 01 MS8260LL		3/29/04 10:40	4/12/04	N	MW15B/032904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4C30268, METDISS FF. AP9 Compounds
007-	GC7GP-1AF	XX I 25 QK 01 MS8260LL		3/29/04 15:35	4/12/04	N	MW31C/032904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4C30268, METDISS FF. AP9 Compounds
008-	GC7GR-1AA	XX I 25 QK 01 MS8260LL		3/29/04	4/12/04	N	TRIP BLANK Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4C30268, METDISS FF. AP9 Compounds
009-	GC7GV-1AF	XX I 25 QK 01 MS8260LL		3/29/04	4/12/04	N	DUP01 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4C30268, METDISS FF. AP9 Compounds

04/14/04 09:28:10 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4C300268	1	GC7F21AA	MS8260LL	4/06/04	Richard Quayle
A4C300268	2	GC7GH1AF	MS8260LL	4/06/04	Richard Quayle
A4C300268	3	GC7GK1AF	MS8260LL	4/06/04	Richard Quayle
A4C300268	4	GC7GL1AF	MS8260LL	4/06/04	Richard Quayle
A4C300268	5	GC7GM1AF	MS8260LL	4/06/04	Richard Quayle
A4C300268	6	GC7GN1AF	MS8260LL	4/06/04	Richard Quayle
A4C300268	7	GC7GP1AF	MS8260LL	4/06/04	Richard Quayle
A4C300268	8	GC7GR1AA	MS8260LL	4/06/04	Richard Quayle
A4C300268	9	GC7GV1AF	MS8260LL	4/06/04	Richard Quayle

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

04/14/04 09:28:17 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4C310291	1	GC9WW1AA	MS8260LL	4/09/04	Carolynne Roach
A4C310291	2	GC9W51AA	MS8260LL	4/09/04	Carolynne Roach
A4C310291	4	GC9W91AA	MS8260LL	4/09/04	Carolynne Roach
A4C310291	5	GC9XC1AA	MS8260LL	4/09/04	Carolynne Roach
A4C310291	6	GC9XE1AA	MS8260LL	4/09/04	Carolynne Roach
A4C310291	7	GC9XG1AA	MS8260LL	4/09/04	Carolynne Roach

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

04/14/04 09:34:38 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4D010333	1	GDDL61AA	MS8260LL	4/08/04	Laura Evans
A4D010333	2	GDDMJ1AA	MS8260LL	4/08/04	Laura Evans
A4D010333	3	GDDMN1AA	MS8260LL	4/08/04	Laura Evans

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

SEVERN TRENT STL

GCMS SEMIVOLATILE DATA

SEVERN TRENT STL

QC SUMMARY DATA

SW846 8270C SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C300268

Extraction: XXI0TQL01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	MW44/032904	69	65	66	27	24	34	00
02	MW24/032904	71	68	75	65	65	68	00
03	MW31D/032904	75	69	72	61	60	63	00
04	MW31A/032904	64	64	72	35	35	28	00
05	MW30/032904	68	62	65	59	64	50	00
06	MW15B/032904	70	59	72	60	64	49	00
07	MW31C/032904	63	61	69	56	61	60	00
08	DUP01/032904	72	65	73	47	47	47	00
09	METHOD BLK. GC8AW1AA	71	65	81	68	72	52	00
10	METHOD BLK. GDAC61AA	77	73	84	71	70	75	00
11	LCS GC8AW1AC	71	67	74	71	74	64	00
12	LCS GDAC61AC	72	68	75	68	56	47	00
13	MW44/032904 D	72	68	72	46	45	49	00
14	MW44/032904 S	70	64	70	45	41	54	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(32-112)
SRG02	= 2-Fluorobiphenyl	(30-110)
SRG03	= Terphenyl-d14	(10-144)
SRG04	= Phenol-d5	(10-113)
SRG05	= 2-Fluorophenol	(13-110)
SRG06	= 2,4,6-Tribromophenol	(21-122)

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

FORM II

SW846 8270C SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C300268

Extraction: XXI0UQL01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	MW44/032904 RE-1	62	52	83	14	20	50	00
02	METHOD BLK. GD2CV1AA	56	58	75	32	46	63	00
03	LCS GD2CV1AC	53	60	76	33	48	70	00
04	MW44/032904 D	61	65	80	28	37	68	00
05	MW44/032904 S	48	50	65	28	37	69	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(32-112)
SRG02	= 2-Fluorobiphenyl	(30-110)
SRG03	= Terphenyl-d14	(10-144)
SRG04	= Phenol-d5	(10-113)
SRG05	= 2-Fluorophenol	(13-110)
SRG06	= 2,4,6-Tribromophenol	(21-122)

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

FORM II

SW846 8270C SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C310291

Extraction: XXI0TQL01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	INTRA-LAB QC	69	65	66	27	24	34	00
02	MW504/033004	77	69	65	72	73	77	00
03	MW-43A/033004	74	66	69	65	64	68	00
04	MW-18/033004	65	64	59	60	61	69	00
05	P-1/033004	65	60	58	18	9.8*	6.3*	02
06	METHOD BLK. GDAC61AA	77	73	84	71	70	75	00
07	LCS GDAC61AC	72	68	75	68	56	47	00
08	LAB MS/MSD D	72	68	72	46	45	49	00
09	LAB MS/MSD S	70	64	70	45	41	54	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(32-112)
SRG02	= 2-Fluorobiphenyl	(30-110)
SRG03	= Terphenyl-d14	(10-144)
SRG04	= Phenol-d5	(10-113)
SRG05	= 2-Fluorophenol	(13-110)
SRG06	= 2,4,6-Tribromophenol	(21-122)

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

FORM II

SW846 8270C SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C310291

Extraction: XXI0UQL01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	INTRA-LAB QC RE-1	62	52	83	14	20	50	00
02	MW504/033004 RE-1	58	54	82	27	38	57	00
03	MW-43A/033004 RE-1	51	45	73	20	34	65	00
04	P-1/033004 RE-1	55	55	77	7.8*	2.7*	14 *	03
05	METHOD BLK. GD2CV1AA	56	58	75	32	46	63	00
06	LCS GD2CV1AC	53	60	76	33	48	70	00
07	LAB MS/MSD D	61	65	80	28	37	68	00
08	LAB MS/MSD S	48	50	65	28	37	69	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(32-112)
SRG02	= 2-Fluorobiphenyl	(30-110)
SRG03	= Terphenyl-d14	(10-144)
SRG04	= Phenol-d5	(10-113)
SRG05	= 2-Fluorophenol	(13-110)
SRG06	= 2,4,6-Tribromophenol	(21-122)

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

FORM II

SW846 8270C SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4D010333

Extraction: XXI0TQL01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	MW-8/033104	72	71	83	64	58	68	00
02	MW-23/033104	70	69	66	37	56	81	00
03	INTRA-LAB QC	73	74	93	62	58	73	00
04	METHOD BLK. GDK2N1AA	83	73	94	79	80	69	00
05	LCS GDK2N1AC	91	79	92	86	86	76	00
06	LAB MS/MSD D	82	81	95	76	74	87	00
07	LAB MS/MSD S	72	71	86	57	56	67	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(32-112)
SRG02	= 2-Fluorobiphenyl	(30-110)
SRG03	= Terphenyl-d14	(10-144)
SRG04	= Phenol-d5	(10-113)
SRG05	= 2-Fluorophenol	(13-110)
SRG06	= 2,4,6-Tribromophenol	(21-122)

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

FORM II

SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C300000 WO #: GC8AW1AC
BATCH: 4090705

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,2,4-Trichlorobenzene	20	11	55	31- 110	
Acenaphthene	20	14	68	39- 118	
2,4-Dinitrotoluene	20	14	70	47- 131	
Pyrene	20	14	68	46- 130	
N-Nitrosodi-n-propylamine	20	14	68	30- 115	
1,4-Dichlorobenzene	20	11	57	28- 110	
Pentachlorophenol	20	12	58	10- 140	
Phenol	20	14	71	10- 131	
2-Chlorophenol	20	14	71	19- 124	
4-Chloro-3-methylphenol	20	13	64	29- 124	
4-Nitrophenol	20	6.1	30	19- 144	
1,2-Dichlorobenzene	20	12	58	44- 110	
1,3-Dichlorobenzene	20	11	53	38- 110	
2,4,5-Trichlorophenol	20	14	69	46- 122	
4-Methylphenol	40	27	68	49- 110	
4-Nitroaniline	20	14	68	32- 116	
Acenaphthylene	20	14	71	51- 110	
Anthracene	20	14	70	54- 116	
Benzo(a)anthracene	20	12	60	49- 112	
Benzo(a)pyrene	20	14	70	50- 116	
Benzo(b)fluoranthene	20	12	61	51- 115	
Benzo(ghi)perylene	20	14	71	47- 118	
Benzo(k)fluoranthene	20	18	92	52- 116	
bis(2-Chloroethoxy)methan	20	14	69	54- 112	
bis(2-Chloroethyl) ether	20	16	80	59- 114	
bis(2-Chloro-1-methylethy	20	16	78	53- 118	
bis(2-Ethylhexyl) phthala	20	15	77	49- 124	
2,4,6-Trichlorophenol	20	12	58	46- 118	
2,4-Dichlorophenol	20	12	61	51- 118	
2,4-Dimethylphenol	20	4.2	21	10- 123	
2,4-Dinitrophenol	20	8.2	41	10- 146	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C300000 WO #: GC8AW1AC
BATCH: 4090705

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
2,6-Dinitrotoluene	20	16	80	59- 125	
2-Chloronaphthalene	20	14	69	50- 116	
2-Methylnaphthalene	20	13	64	52- 110	
2-Methylphenol	20	12	60	33- 115	
2-Nitroaniline	20	14	70	53- 122	
2-Nitrophenol	20	13	65	46- 129	
3,3'-Dichlorobenzidine	20	8.8	44	10- 110	
3-Nitroaniline	20	13	64	10- 140	
4,6-Dinitro-2-methylpheno	20	13	63	22- 143	
4-Bromophenyl phenyl ethe	20	14	69	56- 113	
4-Chloroaniline	20	11	56	21- 110	
4-Chlorophenyl phenyl eth	20	14	72	56- 112	
Butyl benzyl phthalate	20	14	70	46- 121	
Carbazole	20	14	72	50- 118	
Chrysene	20	16	81	49- 118	
Dibenz(a,h)anthracene	20	15	74	48- 124	
Dibenzofuran	20	14	71	53- 112	
Diethyl phthalate	20	5.9	30	14- 135	
Dimethyl phthalate	20	1.5	7*	10- 150	a
Di-n-octyl phthalate	20	15	77	49- 130	
Fluoranthene	20	14	71	54- 118	
Fluorene	20	14	72	53- 114	
Hexachlorobenzene	20	13	67	54- 114	
Hexachlorobutadiene	20	8.9	44	36- 113	
Hexachloroethane	20	8.8	44	29- 115	
Isophorone	20	15	77	54- 111	
Naphthalene	20	13	64	49- 112	
Nitrobenzene	20	14	68	56- 119	
N-Nitrosodiphenylamine	20	14	68	49- 117	
Phenanthrene	20	14	69	53- 112	
Indeno(1,2,3-cd)pyrene	20	15	73	45- 120	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C300000 WO #: GC8AW1AC
BATCH: 4090705

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Di-n-butyl phthalate	20	14	69	50- 116	
Hexachlorocyclopentadiene	20	0.0	0*	10- 114	a
Benzoic acid	20	8.8	44	10- 151	
1,4-Dioxane	20	14	68	10- 200	
Pyridine	20	2.9	15*	70- 130	a

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 3 out of 67 outside limits

COMMENTS:

FORM III

SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C310000 WO #: GDAC61AC
BATCH: 4091574

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,2,4-Trichlorobenzene	20	12	59	31- 110	
Acenaphthene	20	13	67	39- 118	
2,4-Dinitrotoluene	20	15	73	47- 131	
Pyrene	20	13	67	46- 130	
N-Nitrosodi-n-propylamine	20	13	64	30- 115	
1,4-Dichlorobenzene	20	13	65	28- 110	
Pentachlorophenol	20	ND	8*	10- 140	a
Phenol	20	15	74	10- 131	
2-Chlorophenol	20	12	61	19- 124	
4-Chloro-3-methylphenol	20	13	65	29- 124	
4-Nitrophenol	20	4.0	20	19- 144	
1,2-Dichlorobenzene	20	12	60	44- 110	
1,3-Dichlorobenzene	20	11	57	38- 110	
2,4,5-Trichlorophenol	20	8.5	43*	46- 122	a
4-Methylphenol	40	25	63	49- 110	
4-Nitroaniline	20	18	88	32- 116	
Acenaphthylene	20	14	69	51- 110	
Anthracene	20	14	72	54- 116	
Benzo(a)anthracene	20	15	76	49- 112	
Benzo(a)pyrene	20	14	69	50- 116	
Benzo(b)fluoranthene	20	15	77	51- 115	
Benzo(ghi)perylene	20	14	69	47- 118	
Benzo(k)fluoranthene	20	12	61	52- 116	
bis(2-Chloroethoxy)methan	20	14	72	54- 112	
bis(2-Chloroethyl) ether	20	14	71	59- 114	
bis(2-Chloro-1-methylethy	20	13	66	53- 118	
bis(2-Ethylhexyl) phthala	20	21	104	49- 124	
2,4,6-Trichlorophenol	20	8.1	40*	46- 118	a
2,4-Dichlorophenol	20	11	56	51- 118	
2,4-Dimethylphenol	20	5.3	27	10- 123	
2,4-Dinitrophenol	20	0.0	0*	10- 146	a

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C310000 WO #: GDAC61AC
BATCH: 4091574

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
2,6-Dinitrotoluene	20	16	80	59- 125	
2-Chloronaphthalene	20	14	69	50- 116	
2-Methylnaphthalene	20	13	66	52- 110	
2-Methylphenol	20	12	62	33- 115	
2-Nitroaniline	20	15	73	53- 122	
2-Nitrophenol	20	2.5	12*	46- 129	a
3,3'-Dichlorobenzidine	20	10	51	10- 110	
3-Nitroaniline	20	16	78	10- 140	
4,6-Dinitro-2-methylpheno	20	0.0	0*	22- 143	a
4-Bromophenyl phenyl ethe	20	14	71	56- 113	
4-Chloroaniline	20	13	67	21- 110	
4-Chlorophenyl phenyl eth	20	14	71	56- 112	
Butyl benzyl phthalate	20	12	61	46- 121	
Carbazole	20	15	73	50- 118	
Chrysene	20	13	63	49- 118	
Dibenz(a,h)anthracene	20	14	70	48- 124	
Dibenzofuran	20	14	71	53- 112	
Diethyl phthalate	20	3.6	18	14- 135	
Dimethyl phthalate	20	0.78	3*	10- 150	a
Di-n-octyl phthalate	20	15	74	49- 130	
Fluoranthene	20	14	71	54- 118	
Fluorene	20	14	71	53- 114	
Hexachlorobenzene	20	14	69	54- 114	
Hexachlorobutadiene	20	10	50	36- 113	
Hexachloroethane	20	10	50	29- 115	
Isophorone	20	15	76	54- 111	
Naphthalene	20	13	65	49- 112	
Nitrobenzene	20	14	70	56- 119	
N-Nitrosodiphenylamine	20	13	66	49- 117	
Phenanthrene	20	14	70	53- 112	
Indeno(1,2,3-cd)pyrene	20	14	69	45- 120	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4C310000 WO #: GDAC61AC
BATCH: 4091574

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Di-n-butyl phthalate	20	12	59	50- 116	
Hexachlorocyclopentadiene	20	0.0	0*	10- 114	a
Benzoic acid	20	0.0	0*	10- 151	a
1,4-Dioxane	20	14	68	10- 200	
Pyridine	20	6.5	33*	70- 130	a

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 10 out of 67 outside limits

COMMENTS:

FORM III

SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4D060000 WO #: GDK2N1AC
BATCH: 4097208

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,2,4-Trichlorobenzene	20	13	66	31- 110	
Acenaphthene	20	16	82	39- 118	
2,4-Dinitrotoluene	20	18	89	47- 131	
Pyrene	20	17	85	46- 130	
N-Nitrosodi-n-propylamine	20	17	85	30- 115	
1,4-Dichlorobenzene	20	14	71	28- 110	
Pentachlorophenol	20	17	83	10- 140	
Phenol	20	17	83	10- 131	
2-Chlorophenol	20	16	80	19- 124	
4-Chloro-3-methylphenol	20	16	82	29- 124	
4-Nitrophenol	20	14	70	19- 144	
1,2-Dichlorobenzene	20	13	67	44- 110	
1,3-Dichlorobenzene	20	13	64	38- 110	
2,4,5-Trichlorophenol	20	16	80	46- 122	
4-Methylphenol	40	33	82	49- 110	
4-Nitroaniline	20	15	74	32- 116	
Acenaphthylene	20	17	83	51- 110	
Anthracene	20	18	90	54- 116	
Benzo(a)anthracene	20	17	86	49- 112	
Benzo(a)pyrene	20	18	92	50- 116	
Benzo(b)fluoranthene	20	18	88	51- 115	
Benzo(ghi)perylene	20	18	89	47- 118	
Benzo(k)fluoranthene	20	20	101	52- 116	
bis(2-Chloroethoxy)methan	20	18	89	54- 112	
bis(2-Chloroethyl) ether	20	19	93	59- 114	
bis(2-Chloro-1-methylethy	20	18	89	53- 118	
bis(2-Ethylhexyl) phthala	20	19	97	49- 124	
2,4,6-Trichlorophenol	20	16	78	46- 118	
2,4-Dichlorophenol	20	15	76	51- 118	
2,4-Dimethylphenol	20	6.2	31	10- 123	
2,4-Dinitrophenol	20	16	81	10- 146	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4D060000 WO #: GDK2N1AC
BATCH: 4097208

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
2,6-Dinitrotoluene	20	18	91	59- 125	
2-Chloronaphthalene	20	16	82	50- 116	
2-Methylnaphthalene	20	16	79	52- 110	
2-Methylphenol	20	15	76	33- 115	
2-Nitroaniline	20	18	91	53- 122	
2-Nitrophenol	20	17	84	46- 129	
3,3'-Dichlorobenzidine	20	7.2	36	10- 110	
3-Nitroaniline	20	14	72	10- 140	
4,6-Dinitro-2-methylpheno	20	17	84	22- 143	
4-Bromophenyl phenyl ethe	20	17	87	56- 113	
4-Chloroaniline	20	12	61	21- 110	
4-Chlorophenyl phenyl eth	20	17	87	56- 112	
Butyl benzyl phthalate	20	17	87	46- 121	
Carbazole	20	18	89	50- 118	
Chrysene	20	18	89	49- 118	
Dibenz(a,h)anthracene	20	17	87	48- 124	
Dibenzofuran	20	17	86	53- 112	
Diethyl phthalate	20	5.3	27	14- 135	
Dimethyl phthalate	20	1.1	5*	10- 150	a
Di-n-octyl phthalate	20	21	103	49- 130	
Fluoranthene	20	18	89	54- 118	
Fluorene	20	17	85	53- 114	
Hexachlorobenzene	20	17	84	54- 114	
Hexachlorobutadiene	20	10	50	36- 113	
Hexachloroethane	20	11	56	29- 115	
Isophorone	20	19	95	54- 111	
Naphthalene	20	16	78	49- 112	
Nitrobenzene	20	18	89	56- 119	
N-Nitrosodiphenylamine	20	17	86	49- 117	
Phenanthrene	20	17	85	53- 112	
Indeno(1,2,3-cd)pyrene	20	18	91	45- 120	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4D060000 WO #: GDK2N1AC
BATCH: 4097208

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Di-n-butyl phthalate	20	16	82	50- 116	
Hexachlorocyclopentadiene	20	0.0	0*	10- 114	a
Benzoic acid	20	15	74	10- 151	
1,4-Dioxane	20	14	70	10- 200	
Pyridine	20	2.6	13*	70- 130	a

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 3 out of 67 outside limits

COMMENTS:

FORM III

SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4D130000 WO #: GD2CV1AC
BATCH: 4104113

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Phenol	20	6.4	32	10- 131	
2-Chlorophenol	20	12	58	19- 124	
4-Chloro-3-methylphenol	20	12	60	29- 124	
4-Nitrophenol	20	6.9	34	19- 144	
1,2-Dichlorobenzene	20	12	60	44- 110	
1,3-Dichlorobenzene	20	12	60	38- 110	
2,4,5-Trichlorophenol	20	12	62	46- 122	
4-Methylphenol	40	20	50	49- 110	
4-Nitroaniline	20	14	72	32- 116	
Acenaphthylene	20	12	62	51- 110	
Anthracene	20	15	77	54- 116	
Benzo(a)anthracene	20	15	74	49- 112	
Benzo(a)pyrene	20	15	75	50- 116	
Benzo(b)fluoranthene	20	17	83	51- 115	
Benzo(ghi)perylene	20	15	75	47- 118	
Benzo(k)fluoranthene	20	12	62	52- 116	
bis(2-Chloroethoxy)methan	20	10	51*	54- 112	a
bis(2-Chloroethyl) ether	20	11	53*	59- 114	a
bis(2-Chloro-1-methylethy	20	9.4	47*	53- 118	a
bis(2-Ethylhexyl) phthala	20	15	76	49- 124	
2,4,6-Trichlorophenol	20	12	61	46- 118	
2,4-Dichlorophenol	20	12	61	51- 118	
2,4-Dimethylphenol	20	10	52	10- 123	
2,4-Dinitrophenol	20	11	57	10- 146	
2,6-Dinitrotoluene	20	15	76	59- 125	
2-Chloronaphthalene	20	12	62	50- 116	
2-Methylnaphthalene	20	12	60	52- 110	
2-Methylphenol	20	9.4	47	33- 115	
2-Nitroaniline	20	11	57	53- 122	
2-Nitrophenol	20	13	63	46- 129	
3,3'-Dichlorobenzidine	20	9.7	49	10- 110	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4D130000 WO #: GD2CV1AC
BATCH: 4104113

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
3-Nitroaniline	20	13	64	10- 140	
1,2,4-Trichlorobenzene	20	11	55	31- 110	
Acenaphthene	20	12	61	39- 118	
2,4-Dinitrotoluene	20	14	71	47- 131	
Pyrene	20	12	62	46- 130	
N-Nitrosodi-n-propylamine	20	9.9	49	30- 115	
1,4-Dichlorobenzene	20	13	67	28- 110	
Pentachlorophenol	20	12	58	10- 140	
4,6-Dinitro-2-methylpheno	20	14	70	22- 143	
4-Bromophenyl phenyl ethe	20	15	76	56- 113	
4-Chloroaniline	20	10	51	21- 110	
4-Chlorophenyl phenyl eth	20	13	65	56- 112	
Butyl benzyl phthalate	20	15	73	46- 121	
Carbazole	20	15	74	50- 118	
Chrysene	20	14	68	49- 118	
Dibenz(a,h)anthracene	20	15	73	48- 124	
Dibenzofuran	20	12	61	53- 112	
Diethyl phthalate	20	13	63	14- 135	
Dimethyl phthalate	20	10	51	10- 150	
Di-n-octyl phthalate	20	15	76	49- 130	
Fluoranthene	20	14	69	54- 118	
Fluorene	20	13	66	53- 114	
Hexachlorobenzene	20	16	78	54- 114	
Hexachlorobutadiene	20	11	57	36- 113	
Hexachloroethane	20	11	53	29- 115	
Isophorone	20	12	58	54- 111	
Naphthalene	20	12	58	49- 112	
Nitrobenzene	20	10	50*	56- 119	a
N-Nitrosodiphenylamine	20	15	74	49- 117	
Phenanthrene	20	14	72	53- 112	
Indeno(1,2,3-cd)pyrene	20	15	75	45- 120	

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SW846 8270C CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Lot #: A4D130000 WO #: GD2CV1AC
BATCH: 4104113

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Di-n-butyl phthalate	20	15	74	50- 116	
Hexachlorocyclopentadiene	20	12	59	10- 114	
Benzoic acid	20	4.1	20	10- 151	
1,4-Dioxane	20	8.5	42	10- 200	
Pyridine	20	7.8	39*	70- 130	a

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 5 out of 67 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21AF
BATCH: 4091574

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,2,4-Trichlorobenzene	40	ND	22	54	22- 110	
Acenaphthene	40	ND	24	61	26- 118	
2,4-Dinitrotoluene	40	ND	27	67	31- 131	
Pyrene	40	ND	24	61	27- 138	
N-Nitrosodi-n-propylamine	40	ND	24	59	18- 115	
1,4-Dichlorobenzene	40	ND	23	58	18- 110	
Pentachlorophenol	40	ND	21	52	10- 140	
Phenol	40	ND	18	45	10- 131	
2-Chlorophenol	40	ND	18	45	19- 124	
4-Chloro-3-methylphenol	40	ND	20	51	21- 124	
4-Nitrophenol	40	ND	26	64	10- 145	
Acenaphthylene	40	ND	24	60	49- 111	
Anthracene	40	ND	25	63	49- 118	
Benzo(a)anthracene	40	ND	24	61	48- 115	
Benzo(b)fluoranthene	40	ND	25	63	44- 123	
Benzo(k)fluoranthene	40	ND	26	64	46- 123	
Benzo(ghi)perylene	40	ND	24	61	44- 122	
Benzo(a)pyrene	40	ND	25	62	44- 122	
bis(2-Chloroethoxy)methan	40	ND	26	65	57- 114	
bis(2-Chloroethyl) ether	40	ND	27	67	57- 120	
bis(2-Chloro-1-methylethy	40	ND	25	63	53- 122	
bis(2-Ethylhexyl) phthala	40	ND	27	66	43- 128	
4-Bromophenyl phenyl ethe	40	ND	27	68	51- 119	
Butyl benzyl phthalate	40	ND	23	57	41- 127	
Carbazole	40	ND	28	69	48- 119	
4-Chloroaniline	40	ND	20	50	10- 110	
2-Chloronaphthalene	40	ND	25	63	51- 119	
4-Chlorophenyl phenyl eth	40	ND	27	67	51- 118	

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SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21AF
BATCH: 4091574

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Chrysene	40	ND	24	60	49- 118	
Dibenz(a,h)anthracene	40	ND	25	63	45- 127	
Dibenzofuran	40	ND	26	65	51- 117	
Di-n-butyl phthalate	40	ND	23	57	41- 121	
1,2-Dichlorobenzene	40	ND	22	55	43- 112	
1,3-Dichlorobenzene	40	ND	20	50	35- 114	
3,3'-Dichlorobenzidine	40	ND	7.4	19	10- 110	
2,4-Dichlorophenol	40	ND	18	45*	52- 121	a
Diethyl phthalate	40	ND	7.2	18	10- 148	
2,4-Dimethylphenol	40	ND	9.0	22	10- 125	
Dimethyl phthalate	40	ND	1.8	4*	10- 159	a
4,6-Dinitro-2-methylpheno	40	ND	22	54	20- 158	
2,4-Dinitrophenol	40	ND	22	54	10- 168	
2,6-Dinitrotoluene	40	ND	29	72	58- 127	
Di-n-octyl phthalate	40	ND	28	70	39- 144	
Fluoranthene	40	ND	27	68	49- 122	
Fluorene	40	ND	26	65	51- 119	
Hexachlorobenzene	40	ND	26	66	48- 123	
Hexachlorobutadiene	40	ND	18	44	35- 118	
Hexachlorocyclopentadiene	40	ND	0.0	0*	10- 113	a
Hexachloroethane	40	ND	17	43	31- 118	
Indeno(1,2,3-cd)pyrene	40	ND	25	62	39- 126	
Isophorone	40	ND	28	69	56- 112	
2-Methylnaphthalene	40	ND	24	61	45- 119	
2-Methylphenol	40	ND	19	48	29- 115	
4-Methylphenol	80	ND	36	45	29- 122	
Naphthalene	40	ND	24	61	50- 176	
2-Nitroaniline	40	ND	27	67	48- 125	

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SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21AF
BATCH: 4091574

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
3-Nitroaniline	40	ND	22	56	10- 140	
4-Nitroaniline	40	ND	21	52	20- 122	
Nitrobenzene	40	ND	26	64	56- 125	
2-Nitrophenol	40	ND	24	61	51- 131	
N-Nitrosodiphenylamine	40	ND	24	61	49- 117	
Phenanthrene	40	ND	26	65	52- 117	
2,4,5-Trichlorophenol	40	ND	20	51	45- 125	
2,4,6-Trichlorophenol	40	ND	19	47	46- 122	
Benzoic acid	40	ND	23	58	10- 184	
1,4-Dioxane	40	ND	25	61	10- 200	
Pyridine	40	ND	5.5	14*	70- 130	a

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: 4 out of 67 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21AG
BATCH: 4091574

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,2,4-Trichlorobenzene	40	23	58	6.9	37	22- 110	
Acenaphthene	40	26	65	6.1	35	26- 118	
2,4-Dinitrotoluene	40	28	69	3.6	32	31- 131	
Pyrene	40	26	66	7.7	31	27- 138	
N-Nitrosodi-n-propylamine	40	27	68	14	36	18- 115	
1,4-Dichlorobenzene	40	27	66	14	36	18- 110	
Pentachlorophenol	40	19	48	8.1	56	10- 140	
Phenol	40	21	52	14	43	10- 131	
2-Chlorophenol	40	20	49	7.8	43	19- 124	
4-Chloro-3-methylphenol	40	19	47	9.1	55	21- 124	
4-Nitrophenol	40	26	66	2.8	34	10- 145	
Acenaphthylene	40	26	64	6.7	51	49- 111	
Anthracene	40	27	67	6.0	51	49- 118	
Benzo(a)anthracene	40	25	63	4.0	51	48- 115	
Benzo(b)fluoranthene	40	27	67	5.4	54	44- 123	
Benzo(k)fluoranthene	40	28	71	9.8	53	46- 123	
Benzo(ghi)perylene	40	27	67	9.8	55	44- 122	
Benzo(a)pyrene	40	26	66	6.3	51	44- 122	
bis(2-Chloroethoxy)methan	40	27	68	4.6	49	57- 114	
bis(2-Chloroethyl) ether	40	31	76	13	51	57- 120	
bis(2-Chloro-1-methylethy	40	29	71	12	52	53- 122	
bis(2-Ethylhexyl) phthala	40	29	73	9.6	84	43- 128	
4-Bromophenyl phenyl ethe	40	28	71	4.6	51	51- 119	
Butyl benzyl phthalate	40	23	58	0.36	84	41- 127	
Carbazole	40	29	72	3.8	53	48- 119	
4-Chloroaniline	40	20	50	0.47	99	10- 110	
2-Chloronaphthalene	40	27	67	5.9	51	51- 119	
4-Chlorophenyl phenyl eth	40	29	71	6.8	51	51- 118	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21AG
BATCH: 4091574

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Chrysene	40	25	64	6.2	52	49- 118	
Dibenz(a,h)anthracene	40	27	68	7.8	57	45- 127	
Dibenzofuran	40	28	69	6.2	51	51- 117	
Di-n-butyl phthalate	40	22	56	2.6	53	41- 121	
1,2-Dichlorobenzene	40	25	62	13	85	43- 112	
1,3-Dichlorobenzene	40	23	56	13	89	35- 114	
3,3'-Dichlorobenzidine	40	7.2	18	3.3	99	10- 110	
2,4-Dichlorophenol	40	18	45*	0.88	88	52- 121	a
Diethyl phthalate	40	6.0	15	18	81	10- 148	
2,4-Dimethylphenol	40	8.1	20	10	62	10- 125	
Dimethyl phthalate	40	1.5	3*	19	99	10- 159	a
4,6-Dinitro-2-methylpheno	40	25	62	13	99	20- 158	
2,4-Dinitrophenol	40	25	62	15	99	10- 168	
2,6-Dinitrotoluene	40	31	77	5.9	82	58- 127	
Di-n-octyl phthalate	40	30	74	6.4	89	39- 144	
Fluoranthene	40	28	69	2.1	53	49- 122	
Fluorene	40	28	71	7.7	51	51- 119	
Hexachlorobenzene	40	27	68	3.9	51	48- 123	
Hexachlorobutadiene	40	19	47	7.0	56	35- 118	
Hexachlorocyclopentadiene	40	0.0	0*	0.0	97	10- 113	a
Hexachloroethane	40	20	50	16	92	31- 118	
Indeno(1,2,3-cd)pyrene	40	27	67	6.9	59	39- 126	
Isophorone	40	29	73	4.9	50	56- 112	
2-Methylnaphthalene	40	26	64	5.3	51	45- 119	
2-Methylphenol	40	19	48	0.65	31	29- 115	
4-Methylphenol	80	35	43	3.3	55	29- 122	
Naphthalene	40	26	64	5.2	52	50- 176	
2-Nitroaniline	40	29	72	7.2	83	48- 125	

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SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21AG
BATCH: 4091574

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
3-Nitroaniline	40	24	60	7.3		99	10- 140	
4-Nitroaniline	40	22	54	3.2		99	20- 122	
Nitrobenzene	40	27	67	4.5		81	56- 125	
2-Nitrophenol	40	26	66	7.2		77	51- 131	
N-Nitrosodiphenylamine	40	25	63	3.8		51	49- 117	
Phenanthrene	40	27	68	4.1		51	52- 117	
2,4,5-Trichlorophenol	40	22	54	6.8		74	45- 125	
2,4,6-Trichlorophenol	40	18	45*	4.1		98	46- 122	a
Benzoic acid	40	24	60	3.7		99	10- 184	
1,4-Dioxane	40	24	57	5.3		30	10- 200	
Pyridine	40	13	31*	79	*	30	70- 130	a p

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

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

RPD: 1 out of 67 outside limits
Spike Recovery: 5 out of 67 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: LAB MS/MSD

Lot #: A4D020251 WO #: GDFNA1AF
BATCH: 4097208

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,2,4-Trichlorobenzene	40	ND	24	60	22- 110	
Acenaphthene	40	ND	30	74	26- 118	
2,4-Dinitrotoluene	40	ND	33	82	31- 131	
Pyrene	40	ND	30	74	27- 138	
N-Nitrosodi-n-propylamine	40	ND	28	69	18- 115	
1,4-Dichlorobenzene	40	ND	29	73	18- 110	
Pentachlorophenol	40	ND	30	75	10- 140	
Phenol	40	ND	22	55	10- 131	
2-Chlorophenol	40	ND	26	64	19- 124	
4-Chloro-3-methylphenol	40	ND	24	60	21- 124	
4-Nitrophenol	40	ND	25	62	10- 145	
Acenaphthylene	40	ND	28	70	49- 111	
Anthracene	40	ND	32	81	49- 118	
Benzo(a)anthracene	40	ND	34	84	48- 115	
Benzo(b)fluoranthene	40	ND	32	80	44- 123	
Benzo(k)fluoranthene	40	ND	36	91	46- 123	
Benzo(ghi)perylene	40	ND	33	83	44- 122	
Benzo(a)pyrene	40	ND	31	77	44- 122	
bis(2-Chloroethoxy)methan	40	ND	28	70	57- 114	
bis(2-Chloroethyl) ether	40	ND	29	74	57- 120	
bis(2-Chloro-1-methylethy	40	ND	27	67	53- 122	
bis(2-Ethylhexyl) phthala	40	ND	40	76	43- 128	
4-Bromophenyl phenyl ethe	40	ND	34	86	51- 119	
Butyl benzyl phthalate	40	ND	31	78	41- 127	
Carbazole	40	ND	33	81	48- 119	
4-Chloroaniline	40	ND	22	56	10- 110	
2-Chloronaphthalene	40	ND	31	76	51- 119	
4-Chlorophenyl phenyl eth	40	ND	31	77	51- 118	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: LAB MS/MSD

Lot #: A4D020251 WO #: GDFNA1AF
BATCH: 4097208

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Chrysene	40	ND	33	82	49- 118	
Dibenz(a,h)anthracene	40	ND	33	84	45- 127	
Dibenzofuran	40	ND	29	73	51- 117	
Di-n-butyl phthalate	40	ND	30	74	41- 121	
1,2-Dichlorobenzene	40	ND	27	68	43- 112	
1,3-Dichlorobenzene	40	ND	25	63	35- 114	
3,3'-Dichlorobenzidine	40	ND	15	36	10- 110	
2,4-Dichlorophenol	40	ND	22	56	52- 121	
Diethyl phthalate	40	ND	8.9	22	10- 148	
2,4-Dimethylphenol	40	ND	10	25	10- 125	
Dimethyl phthalate	40	ND	0.0	0*	10- 159	a
4,6-Dinitro-2-methylpheno	40	ND	33	84	20- 158	
2,4-Dinitrophenol	40	ND	29	73	10- 168	
2,6-Dinitrotoluene	40	ND	35	88	58- 127	
Di-n-octyl phthalate	40	ND	35	88	39- 144	
Fluoranthene	40	ND	31	78	49- 122	
Fluorene	40	ND	31	79	51- 119	
Hexachlorobenzene	40	ND	36	89	48- 123	
Hexachlorobutadiene	40	ND	20	50	35- 118	
Hexachlorocyclopentadiene	40	ND	0.0	0*	10- 113	a
Hexachloroethane	40	ND	20	49	31- 118	
Indeno(1,2,3-cd)pyrene	40	ND	34	86	39- 126	
Isophorone	40	ND	31	78	56- 112	
2-Methylnaphthalene	40	ND	29	71	45- 119	
2-Methylphenol	40	ND	21	52	29- 115	
4-Methylphenol	80	ND	43	54	29- 122	
Naphthalene	40	ND	29	73	50- 176	
2-Nitroaniline	40	ND	29	72	48- 125	

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SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: LAB MS/MSD

Lot #: A4D020251 WO #: GDFNA1AF
BATCH: 4097208

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
3-Nitroaniline	40	ND	29	74	10- 140	
4-Nitroaniline	40	ND	27	67	20- 122	
Nitrobenzene	40	ND	28	69	56- 125	
2-Nitrophenol	40	ND	30	74	51- 131	
N-Nitrosodiphenylamine	40	ND	32	80	49- 117	
Phenanthrene	40	ND	32	80	52- 117	
2,4,5-Trichlorophenol	40	ND	24	60	45- 125	
2,4,6-Trichlorophenol	40	ND	24	59	46- 122	
Benzoic acid	40	ND	23	57	10- 184	
1,4-Dioxane	40	ND	29	58	10- 200	
Pyridine	40	ND	9.6	24*	70- 130	a

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 67 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: LAB MS/MSD

Lot #: A4D020251 WO #: GDFNA1AG
BATCH: 4097208

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,2,4-Trichlorobenzene	40	26	65	8.0	37	22- 110	
Acenaphthene	40	32	81	8.8	35	26- 118	
2,4-Dinitrotoluene	40	37	92	11	32	31- 131	
Pyrene	40	32	80	7.0	31	27- 138	
N-Nitrosodi-n-propylamine	40	31	77	10	36	18- 115	
1,4-Dichlorobenzene	40	31	77	5.2	36	18- 110	
Pentachlorophenol	40	32	79	5.5	56	10- 140	
Phenol	40	29	72	26	43	10- 131	
2-Chlorophenol	40	30	75	16	43	19- 124	
4-Chloro-3-methylphenol	40	29	73	20	55	21- 124	
4-Nitrophenol	40	27	67	7.7	34	10- 145	
Acenaphthylene	40	31	78	11	51	49- 111	
Anthracene	40	36	91	11	51	49- 118	
Benzo(a)anthracene	40	36	90	7.5	51	48- 115	
Benzo(b)fluoranthene	40	33	83	3.8	54	44- 123	
Benzo(k)fluoranthene	40	40	99	8.7	53	46- 123	
Benzo(ghi)perylene	40	35	88	5.8	55	44- 122	
Benzo(a)pyrene	40	34	84	9.4	51	44- 122	
bis(2-Chloroethoxy)methan	40	31	78	10	49	57- 114	
bis(2-Chloroethyl) ether	40	31	78	6.1	51	57- 120	
bis(2-Chloro-1-methylethy	40	29	74	8.9	52	53- 122	
bis(2-Ethylhexyl) phthala	40	41	79	3.4	84	43- 128	
4-Bromophenyl phenyl ethe	40	38	94	9.3	51	51- 119	
Butyl benzyl phthalate	40	31	78	0.010	84	41- 127	
Carbazole	40	36	89	9.6	53	48- 119	
4-Chloroaniline	40	26	64	14	99	10- 110	
2-Chloronaphthalene	40	33	83	8.8	51	51- 119	
4-Chlorophenyl phenyl eth	40	34	84	9.3	51	51- 118	

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SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: LAB MS/MSD

Lot #: A4D020251 WO #: GDFNA1AG
BATCH: 4097208

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Chrysene	40	36	91	10	52	49- 118	
Dibenz(a,h)anthracene	40	36	89	6.5	57	45- 127	
Dibenzofuran	40	32	80	9.6	51	51- 117	
Di-n-butyl phthalate	40	30	76	1.6	53	41- 121	
1,2-Dichlorobenzene	40	29	73	7.4	85	43- 112	
1,3-Dichlorobenzene	40	26	66	4.3	89	35- 114	
3,3'-Dichlorobenzidine	40	17	43	18	99	10- 110	
2,4-Dichlorophenol	40	28	71	24	88	52- 121	
Diethyl phthalate	40	9.3	23	4.2	81	10- 148	
2,4-Dimethylphenol	40	12	29	15	62	10- 125	
Dimethyl phthalate	40	0.0	0*	0.0	99	10- 159	a
4,6-Dinitro-2-methylpheno	40	36	90	7.9	99	20- 158	
2,4-Dinitrophenol	40	31	78	6.7	99	10- 168	
2,6-Dinitrotoluene	40	38	96	9.0	82	58- 127	
Di-n-octyl phthalate	40	38	95	6.8	89	39- 144	
Fluoranthene	40	34	86	9.2	53	49- 122	
Fluorene	40	34	85	8.3	51	51- 119	
Hexachlorobenzene	40	38	95	6.0	51	48- 123	
Hexachlorobutadiene	40	21	52	4.8	56	35- 118	
Hexachlorocyclopentadiene	40	0.0	0*	0.0	97	10- 113	a
Hexachloroethane	40	21	52	6.9	92	31- 118	
Indeno(1,2,3-cd)pyrene	40	36	89	4.4	59	39- 126	
Isophorone	40	35	86	10	50	56- 112	
2-Methylnaphthalene	40	32	79	10	51	45- 119	
2-Methylphenol	40	25	62	16	31	29- 115	
4-Methylphenol	80	55	69	25	55	29- 122	
Naphthalene	40	32	80	8.6	52	50- 176	
2-Nitroaniline	40	32	80	9.5	83	48- 125	

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SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: LAB MS/MSD

Lot #: A4D020251 WO #: GDFNA1AG
BATCH: 4097208

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
3-Nitroaniline	40	33	83	11	99	10- 140	
4-Nitroaniline	40	31	77	14	99	20- 122	
Nitrobenzene	40	30	76	9.1	81	56- 125	
2-Nitrophenol	40	34	84	13	77	51- 131	
N-Nitrosodiphenylamine	40	35	89	10	51	49- 117	
Phenanthrene	40	35	87	8.4	51	52- 117	
2,4,5-Trichlorophenol	40	29	73	20	74	45- 125	
2,4,6-Trichlorophenol	40	29	73	22	98	46- 122	
Benzoic acid	40	36	91	46	99	10- 184	
1,4-Dioxane	40	29	60	3.0	30	10- 200	
Pyridine	40	11	28*	15	30	70- 130	a

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 67 outside limits
Spike Recovery: 3 out of 67 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21A9
BATCH: 4104113

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Acenaphthylene	40	ND	22	56	49- 111	
Anthracene	40	ND	27	68	49- 118	
Benzo(a)anthracene	40	ND	28	69	48- 115	
Benzo(b)fluoranthene	40	ND	28	71	44- 123	
Benzo(k)fluoranthene	40	ND	22	54	46- 123	
Benzo(ghi)perylene	40	ND	25	63	44- 122	
Benzo(a)pyrene	40	ND	26	66	44- 122	
bis(2-Chloroethoxy)methan	40	ND	19	47*	57- 114	a
bis(2-Chloroethyl) ether	40	ND	19	48*	57- 120	a
bis(2-Chloro-1-methylethy	40	ND	17	42*	53- 122	a
bis(2-Ethylhexyl) phthala	40	ND	27	66	43- 128	
4-Bromophenyl phenyl ethe	40	ND	26	65	51- 119	
Butyl benzyl phthalate	40	ND	27	68	41- 127	
Carbazole	40	ND	25	62	48- 119	
4-Chloroaniline	40	ND	15	38	10- 110	
2-Chloronaphthalene	40	ND	23	57	51- 119	
4-Chlorophenyl phenyl eth	40	ND	23	57	51- 118	
Chrysene	40	ND	25	62	49- 118	
Dibenz(a,h)anthracene	40	ND	26	65	45- 127	
Dibenzofuran	40	ND	22	55	51- 117	
Di-n-butyl phthalate	40	ND	26	66	41- 121	
1,2-Dichlorobenzene	40	ND	21	52	43- 112	
1,3-Dichlorobenzene	40	ND	21	53	35- 114	
3,3'-Dichlorobenzidine	40	ND	11	28	10- 110	
2,4-Dichlorophenol	40	ND	22	54	52- 121	
Diethyl phthalate	40	ND	22	56	10- 148	
2,4-Dimethylphenol	40	ND	8.5	21	10- 125	
Dimethyl phthalate	40	ND	22	55	10- 159	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21A9
BATCH: 4104113

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
4,6-Dinitro-2-methylpheno	40	ND	32	80	20- 158	
2,4-Dinitrophenol	40	ND	27	68	10- 168	
2,6-Dinitrotoluene	40	ND	25	63	58- 127	
Di-n-octyl phthalate	40	ND	27	67	39- 144	
Fluoranthene	40	ND	25	62	49- 122	
Fluorene	40	ND	23	58	51- 119	
Hexachlorobenzene	40	ND	27	67	48- 123	
Hexachlorobutadiene	40	ND	21	53	35- 118	
Hexachlorocyclopentadiene	40	ND	24	60	10- 113	
Hexachloroethane	40	ND	20	50	31- 118	
Indeno(1,2,3-cd)pyrene	40	ND	26	64	39- 126	
Isophorone	40	ND	20	51*	56- 112	a
2-Methylnaphthalene	40	ND	22	55	45- 119	
2-Methylphenol	40	ND	14	36	29- 115	
4-Methylphenol	80	ND	29	37	29- 122	
Naphthalene	40	ND	21	53	50- 176	
2-Nitroaniline	40	ND	19	48	48- 125	
3-Nitroaniline	40	ND	20	49	10- 140	
4-Nitroaniline	40	ND	22	56	20- 122	
Nitrobenzene	40	ND	18	45*	56- 125	a
2-Nitrophenol	40	ND	28	71	51- 131	
N-Nitrosodiphenylamine	40	ND	27	66	49- 117	
Phenanthrene	40	ND	26	64	52- 117	
2,4,5-Trichlorophenol	40	ND	24	59	45- 125	
2,4,6-Trichlorophenol	40	ND	24	60	46- 122	
Benzoic acid	40	ND	12	31	10- 184	
1,4-Dioxane	40	ND	19	47	10- 200	
Pyridine	40	ND	16	39*	70- 130	a

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21A9
BATCH: 4104113

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,2,4-Trichlorobenzene	40	ND	21	52	22- 110	
Acenaphthene	40	ND	22	55	26- 118	
2,4-Dinitrotoluene	40	ND	24	59	31- 131	
Pyrene	40	ND	23	57	27- 138	
N-Nitrosodi-n-propylamine	40	ND	17	44	18- 115	
1,4-Dichlorobenzene	40	ND	23	58	18- 110	
Pentachlorophenol	40	ND	27	66	10- 140	
Phenol	40	ND	11	26	10- 131	
2-Chlorophenol	40	ND	21	54	19- 124	
4-Chloro-3-methylphenol	40	ND	20	50	21- 124	
4-Nitrophenol	40	ND	14	35	10- 145	

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: 6 out of 67 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21CA
BATCH: 4104113

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Di-n-octyl phthalate	40	34	84	22	89	39- 144	
Fluoranthene	40	30	75	20	53	49- 122	
Fluorene	40	29	72	22	51	51- 119	
Hexachlorobenzene	40	34	84	22	51	48- 123	
Hexachlorobutadiene	40	26	65	20	56	35- 118	
Hexachlorocyclopentadiene	40	29	73	21	97	10- 113	
Hexachloroethane	40	24	61	20	92	31- 118	
Indeno(1,2,3-cd)pyrene	40	33	82	24	59	39- 126	
Isophorone	40	27	67	27	50	56- 112	
2-Methylnaphthalene	40	28	70	24	51	45- 119	
2-Methylphenol	40	14	35	0.86	31	29- 115	
4-Methylphenol	80	29	37	0.29	55	29- 122	
Naphthalene	40	27	68	25	52	50- 176	
2-Nitroaniline	40	25	63	27	83	48- 125	
3-Nitroaniline	40	26	64	26	99	10- 140	
4-Nitroaniline	40	25	62	10	99	20- 122	
Nitrobenzene	40	24	59	28	81	56- 125	
2-Nitrophenol	40	28	70	1.0	77	51- 131	
N-Nitrosodiphenylamine	40	33	83	23	51	49- 117	
Phenanthrene	40	32	80	22	51	52- 117	
2,4,5-Trichlorophenol	40	23	57	3.1	74	45- 125	
2,4,6-Trichlorophenol	40	25	62	3.1	98	46- 122	
Benzoic acid	40	12	29	5.8	99	10- 184	
1,4-Dioxane	40	22	52	11	30	10- 200	
Pyridine	40	20	49*	24	30	70- 130	a
1,2,4-Trichlorobenzene	40	25	63	20	37	22- 110	
Acenaphthene	40	27	69	23	35	26- 118	
2,4-Dinitrotoluene	40	31	78	27	32	31- 131	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21CA
BATCH: 4104113

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Pyrene	40	28	70	20	31	27- 138	
N-Nitrosodi-n-propylamine	40	23	58	28	36	18- 115	
1,4-Dichlorobenzene	40	30	75	26	36	18- 110	
Pentachlorophenol	40	26	66	1.0	56	10- 140	
Phenol	40	11	27	2.8	43	10- 131	
2-Chlorophenol	40	21	53	0.86	43	19- 124	
4-Chloro-3-methylphenol	40	20	50	0.37	55	21- 124	
4-Nitrophenol	40	15	38	8.6	34	10- 145	
Acenaphthylene	40	28	70	22	51	49- 111	
2,4-Dimethylphenol	40	8.5	21	0.14	62	10- 125	
Dimethyl phthalate	40	28	70	25	99	10- 159	
4,6-Dinitro-2-methylpheno	40	32	79	1.2	99	20- 158	
2,4-Dinitrophenol	40	27	68	0.42	99	10- 168	
2,6-Dinitrotoluene	40	33	83	27	82	58- 127	
Anthracene	40	34	85	22	51	49- 118	
Benzo(a)anthracene	40	33	84	19	51	48- 115	
Benzo(b)fluoranthene	40	35	88	22	54	44- 123	
Benzo(k)fluoranthene	40	26	65	17	53	46- 123	
Benzo(ghi)perylene	40	32	80	23	55	44- 122	
Benzo(a)pyrene	40	33	83	23	51	44- 122	
bis(2-Chloroethoxy)methan	40	24	61	25	49	57- 114	
bis(2-Chloroethyl) ether	40	25	63	27	51	57- 120	
bis(2-Chloro-1-methylethy	40	22	55	27	52	53- 122	
bis(2-Ethylhexyl) phthala	40	33	80	19	84	43- 128	
4-Bromophenyl phenyl ethe	40	33	82	23	51	51- 119	
Butyl benzyl phthalate	40	33	82	19	84	41- 127	
Carbazole	40	32	79	23	53	48- 119	
4-Chloroaniline	40	20	51	30	99	10- 110	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4C30268

Matrix Spike ID: MW44/032904

Lot #: A4C300268 WO #: GC7F21CA
BATCH: 4104113

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
2-Chloronaphthalene	40	29	72	23	51	51- 119	
4-Chlorophenyl phenyl eth	40	28	70	20	51	51- 118	
Chrysene	40	30	74	18	52	49- 118	
Dibenz(a,h)anthracene	40	32	81	22	57	45- 127	
Dibenzofuran	40	28	70	23	51	51- 117	
Di-n-butyl phthalate	40	32	81	20	53	41- 121	
1,2-Dichlorobenzene	40	27	68	26	85	43- 112	
1,3-Dichlorobenzene	40	27	68	25	89	35- 114	
3,3'-Dichlorobenzidine	40	16	40	34	99	10- 110	
2,4-Dichlorophenol	40	22	55	1.2	88	52- 121	
Diethyl phthalate	40	29	73	27	81	10- 148	

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 67 outside limits
Spike Recovery: 1 out of 67 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

GC8AW1AA

SW846 8270C METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4C30268

Lab File ID: GC8AW1AA.

Lot Number: A4C300268

Date Analyzed: 04/07/04

Time Analyzed: 12:47

Matrix: WATER

Date Extracted:03/31/04

GC Column: DB-5.625 ID: .32

Extraction Method: 3520C

Instrument ID: HP6

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	MW31A/032904	GC7GL1AG	GC7GL1AG.	04/07/04	16:36
02	MW30/032904	GC7GM1AG	GC7GM1AG.	04/07/04	15:35
03	MW15B/032904	GC7GN1AG	GC7GN1AG.	04/07/04	15:55
04	MW31C/032904	GC7GP1AG	GC7GP1AG.	04/07/04	16:57
05	DUP01/032904	GC7GV1AG	GC7GV1AG.	04/07/04	16:16
06	CHECK SAMPLE	GC8AW1AC C	GC8AW1AC.	04/07/04	13:08
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
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22					
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24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.

GDK2N1AA

SW846 8270C METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4C30268

Lab File ID: GDK2N1AA.

Lot Number: A4D010333

Date Analyzed: 04/12/04

Time Analyzed: 19:33

Matrix: WATER

Date Extracted:04/06/04

GC Column: DB-5.625 ID: .32

Extraction Method: 3520C

Instrument ID: HP6

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	MW-8/033104	GDDMJ1AC	GDDMJ1AC.	04/13/04	17:03
02	MW-23/033104	GDDMN1AC	GDDMN1AC.	04/14/04	15:26
03	INTRA-LAB QC	GDFNA1AE	GDFNA1AE.	04/13/04	12:11
04	LAB MS/MSD	GDFNA1AF S	GDFNA1AF.	04/13/04	12:32
05	LAB MS/MSD	GDFNA1AG D	GDFNA1AG.	04/13/04	12:53
06	CHECK SAMPLE	GDK2N1AC C	GDK2N1AC.	04/12/04	19:54
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
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24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.

GD2CV1AA

SW846 8270C METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4C30268

Lab File ID: GD2CV1AA.

Lot Number: A4C300268

Date Analyzed: 04/14/04

Time Analyzed: 08:33

Matrix: WATER

Date Extracted:04/13/04

GC Column: DB-5.625 ID: .32

Extraction Method: 3510C

Instrument ID: HP6

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	MW44/032904	GC7F21A9 S	GC7F21A9.	04/14/04	11:38
02	MW44/032904	GC7F21CA D	GC7F21CA.	04/14/04	11:59
03	MW44/032904	GC7F22AE	GC7F22AE.	04/15/04	19:46
04	CHECK SAMPLE	GD2CV1AC C	GD2CV1AC.	04/14/04	08:54
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

GD2CV1AA

SW846 8270C METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4C30268

Lab File ID: GD2CV1AA.

Lot Number: A4C310291

Date Analyzed: 04/14/04

Time Analyzed: 08:33

Matrix: WATER

Date Extracted:04/13/04

GC Column: DB-5.625 ID: .32

Extraction Method: 3510C

Instrument ID: HP6

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	LAB MS/MSD	GC7F21A9 S	GC7F21A9.	04/14/04	11:38
02	LAB MS/MSD	GC7F21CA D	GC7F21CA.	04/14/04	11:59
03	INTRA-LAB QC	GC7F22AE	GC7F22AE.	04/15/04	19:46
04	MW504/033004	GC9W72AA	GC9W72AA.	04/14/04	14:45
05	MW-43A/033004	GC9XC2AC	GC9XC2AC.	04/14/04	13:22
06	P-1/033004	GC9XG2AC	GC9XG2AC.	04/14/04	14:03
07	CHECK SAMPLE	GD2CV1AC C	GD2CV1AC.	04/14/04	08:54
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

GDAC61AA

SW846 8270C METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4C30268

Lab File ID: GDAC61AA.

Lot Number: A4C310291

Date Analyzed: 04/08/04

Time Analyzed: 12:01

Matrix: WATER

Date Extracted:04/01/04

GC Column: DB-5MS ID: .18

Extraction Method: 3520C

Instrument ID: HP10

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	GC7F21AE	GC7F21AE.	04/08/04	15:05
02	LAB MS/MSD	GC7F21AF S	GC7F21AF.	04/08/04	15:25
03	LAB MS/MSD	GC7F21AG D	GC7F21AG.	04/08/04	15:45
04	MW504/033004	GC9W71AA	GC9W71AA.	04/08/04	13:43
05	MW-43A/033004	GC9XC1AC	GC9XC1AC.	04/08/04	14:03
06	MW-18/033004	GC9XE1AC	GC9XE1AC.	04/08/04	14:24
07	P-1/033004	GC9XG1AC	GC9XG1AC.	04/08/04	14:44
08	CHECK SAMPLE	GDAC61AC C	GDAC61AC.	04/08/04	12:21
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
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23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.

GDAC61AA

SW846 8270C METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4C30268

Lab File ID: GDAC61AA.

Lot Number: A4C300268

Date Analyzed: 04/08/04

Time Analyzed: 12:01

Matrix: WATER

Date Extracted:04/01/04

GC Column: DB-5MS ID: .18

Extraction Method: 3520C

Instrument ID: HP10

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	MW44/032904	GC7F21AE	GC7F21AE.	04/08/04	15:05
02	MW44/032904	GC7F21AF S	GC7F21AF.	04/08/04	15:25
03	MW44/032904	GC7F21AG D	GC7F21AG.	04/08/04	15:45
04	MW24/032904	GC7GH1AG	GC7GH1AG.	04/08/04	16:06
05	MW31D/032904	GC7GK1AG	GC7GK1AG.	04/08/04	16:47
06	CHECK SAMPLE	GDAC61AC C	GDAC61AC.	04/08/04	12:21
07					
08					
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COMMENTS:

FORM IV

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: 6DF0406 DFTPP Injection Date: 04/06/04

Instrument ID: A4HP6 DFTPP Injection Time: 1425

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	51.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	107.3
70	Less than 2.0% of mass 69	0.8 (0.8)1
127	40.0 - 60.0% of mass 198	58.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	25.3
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than mass 443	10.4
442	Greater than 40.0% of mass 198	59.3
443	17.0 - 23.0% of mass 442	11.2 (18.8)2

1-Value is % of mass 69 2-Value is % of mass 442

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	SSTD005	L5	6SMM0406	04/06/04	1447
02	SSTD004	L4	6SM0406	04/06/04	1508
03	SSTD003	L3	6SML0406	04/06/04	1529
04	SSTD002	L2	6SL0406	04/06/04	1550
05	SSTD001	L1	6SLL0406	04/06/04	1611
06	SSTD006	L6	6SMH0406	04/06/04	1632
07	SSTD007	L7	6SH0406	04/06/04	1653
08	SSTD008	L8	6SHH0406	04/06/04	1715
09	SSTD009	L9	6HHH0406	04/06/04	1736
10	ASTD009	L9	6AHHH406	04/06/04	1818
11	ASTD008	L8	6AHH0406	04/06/04	1839
12	ASTD007	L7	6AH0406	04/06/04	1900
13	ASTD006	L6	6AMH0406	04/06/04	1921
14	ASTD005	L5	6AMM0406	04/06/04	1942
15	ASTD004	L4	6AM0406	04/06/04	2003
16	ASTD003	L3	6AML0406	04/06/04	2024
17	ASTD003	L3	6AL0406	04/06/04	2045
18					
19					
20					
21					
22					

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: 6DF0407 DFTPP Injection Date: 04/07/04

Instrument ID: A4HP6 DFTPP Injection Time: 0832

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	43.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	86.0
70	Less than 2.0% of mass 69	0.8 (0.9)1
127	40.0 - 60.0% of mass 198	51.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	25.2
365	Greater than 1.0% of mass 198	3.0
441	Present, but less than mass 443	12.0
442	Greater than 40.0% of mass 198	78.1
443	17.0 - 23.0% of mass 442	13.3 (17.1)2

1-Value is % of mass 69 2-Value is % of mass 442

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	SSTD006	L6	6SMH0407	04/07/04	0849
02	ASTD006	L6	6AMH0407	04/07/04	0910
03	GC8AWBLK	GC8AW1AA	GC8AW1AA	04/07/04	1247
04	GC8AWCHK	GC8AW1AC	GC8AW1AC	04/07/04	1308
05	MW30/032904	GC7GM1AG	GC7GM1AG	04/07/04	1535
06	MW15B/032904	GC7GN1AG	GC7GN1AG	04/07/04	1555
07	DUP01	GC7GV1AG	GC7GV1AG	04/07/04	1616
08	MW31A/032904	GC7GL1AG	GC7GL1AG	04/07/04	1636
09	MW31C/032904	GC7GP1AG	GC7GP1AG	04/07/04	1657
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SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: 6DF0412 DFTPP Injection Date: 04/12/04

Instrument ID: A4HP6 DFTPP Injection Time: 0848

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	44.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	91.7
70	Less than 2.0% of mass 69	0.9 (1.0)1
127	40.0 - 60.0% of mass 198	52.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	24.3
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than mass 443	12.7
442	Greater than 40.0% of mass 198	77.9
443	17.0 - 23.0% of mass 442	14.5 (18.6)2

1-Value is % of mass 69 2-Value is % of mass 442

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	SSTD005	L5	6SMM0412	04/12/04	0904
02	SSTD004	L4	6SM0412	04/12/04	0924
03	SSTD003	L3	6SML0412	04/12/04	0944
04	SSTD002	L2	6SL0412	04/12/04	1005
05	SSTD001	L1	6SLL0412	04/12/04	1025
06	SSTD006	L6	6SMH0412	04/12/04	1045
07	SSTD007	L7	6SH0412	04/12/04	1105
08	SSTD008	L8	6SHH0412	04/12/04	1125
09	SSTD009	L9	6HHH0412	04/12/04	1145
10	ASTD009	L9	6AHHH412	04/12/04	1226
11	ASTD008	L8	6AHH0412	04/12/04	1246
12	ASTD007	L7	6AH0412	04/12/04	1307
13	ASTD006	L6	6AMH0412	04/12/04	1328
14	ASTD005	L5	6AMM0412	04/12/04	1349
15	ASTD004	L4	6AM0412	04/12/04	1409
16	ASTD003	L3	6AML0412	04/12/04	1430
17	ASTD002	L2	6AL0412	04/12/04	1451
18	GDK2NBLK	GDK2N1AA	GDK2N1AA	04/12/04	1933
19	GDK2NCHK	GDK2N1AC	GDK2N1AC	04/12/04	1954
20					
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22					

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: 6DF0413 DFTPP Injection Date: 04/13/04

Instrument ID: A4HP6 DFTPP Injection Time: 0807

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	75.2
70	Less than 2.0% of mass 69	0.5 (0.7)1
127	40.0 - 60.0% of mass 198	54.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	28.1
365	Greater than 1.0% of mass 198	3.8
441	Present, but less than mass 443	9.8
442	Greater than 40.0% of mass 198	66.2
443	17.0 - 23.0% of mass 442	12.0 (18.2)2

1-Value is % of mass 69 2-Value is % of mass 442

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	SSTD006	L6	6SMH0413	04/13/04	0823
02	ASTD006	L6	6AMH0413	04/13/04	0844
03	MW-8/033104	GDDMJ1AC	GDDMJ1AC	04/13/04	1703
04					
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SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: 6DF0414 DFTPP Injection Date: 04/14/04

Instrument ID: A4HP6 DFTPP Injection Time: 0734

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	66.0
70	Less than 2.0% of mass 69	0.5 (0.8)1
127	40.0 - 60.0% of mass 198	51.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	27.3
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than mass 443	11.4
442	Greater than 40.0% of mass 198	71.5
443	17.0 - 23.0% of mass 442	13.6 (18.9)2

1-Value is % of mass 69 2-Value is % of mass 442

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	SSTD006	L6	6SMH0414	04/14/04	0750
02	ASTD006	L6	6AMH0414	04/14/04	0810
03	GD2CVBLK	GD2CV1AA	GD2CV1AA	04/14/04	0833
04	GD2CVCHK	GD2CV1AC	GD2CV1AC	04/14/04	0854
05	MW44/032904	GC7F21A9	GC7F21A9	04/14/04	1138
06	MW44/032904	GC7F21CA	GC7F21CA	04/14/04	1159
07	MW-43A/03300	GC9XC2AC	GC9XC2AC	04/14/04	1322
08	P-1/033004	GC9XG2AC	GC9XG2AC	04/14/04	1403
09	MW504/033004	GC9W72AA	GC9W72AA	04/14/04	1445
10	MW-23/033104	GDDMN1AC	GDDMN1AC	04/14/04	1526
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SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: 6DF0415 DFTPP Injection Date: 04/15/04

Instrument ID: A4HP6 DFTPP Injection Time: 0838

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	66.9
70	Less than 2.0% of mass 69	0.4 (0.6)1
127	40.0 - 60.0% of mass 198	52.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	26.5
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than mass 443	10.9
442	Greater than 40.0% of mass 198	65.8
443	17.0 - 23.0% of mass 442	12.2 (18.5)2

1-Value is % of mass 69 2-Value is % of mass 442

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	SSTD006	L6	6SMH0415	04/15/04	0903
02	ASTD006	L6	6AMH0415	04/15/04	0923
03	MW44/032904	GC7F22AE	GC7F22AE	04/15/04	1946
04					
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SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: 1DF0407 DFTPP Injection Date: 04/07/04

Instrument ID: A4HP10 DFTPP Injection Time: 0913

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	49.4
70	Less than 2.0% of mass 69	0.0 (0.1)1
127	40.0 - 60.0% of mass 198	48.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	23.4
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than mass 443	11.2
442	Greater than 40.0% of mass 198	75.5
443	17.0 - 23.0% of mass 442	14.5 (19.2)2

1-Value is % of mass 69 2-Value is % of mass 442

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	SSTD006	L6	1SMH0407	04/07/04	1028
02	ASTD006	L6	1AMH0407	04/07/04	1050
03	SSTD001	L1	1SLL0407	04/07/04	1112
04	SSTD002	L2	1SL0407	04/07/04	1134
05	SSTD003	L3	1SML0407	04/07/04	1155
06	SSTD004	L4	1SM0407	04/07/04	1217
07	SSTD005	L5	1SMM0407	04/07/04	1239
08	SSTD007	L7	1SH0407	04/07/04	1301
09	SSTD008	L8	1SHH0407	04/07/04	1323
10	SSTD009	L9	1SHHH0407	04/07/04	1345
11	ASTD002	L2	1AL0407	04/07/04	1428
12	ASTD003	L3	1AML0407	04/07/04	1450
13	ASTD004	L4	1AM0407	04/07/04	1512
14	ASTD005	L5	1AMM0407	04/07/04	1533
15	ASTD007	L7	1AH0407	04/07/04	1555
16	ASTD008	L8	1AHH0407	04/07/04	1616
17	ASTD009	L9	1AHHH0407	04/07/04	1638
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SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID: 1DF0408 DFTPP Injection Date: 04/08/04

Instrument ID: A4HP10 DFTPP Injection Time: 0756

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	52.8
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	50.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	25.3
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than mass 443	12.1
442	Greater than 40.0% of mass 198	84.0
443	17.0 - 23.0% of mass 442	16.1 (19.1)2

1-Value is % of mass 69 2-Value is % of mass 442

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	SSTD006	L6	1SMH0408	04/08/04	0813
02	ASTD006	L6	1AMH0408	04/08/04	0834
03	GDAC6BLK	GDAC61AA	GDAC61AA	04/08/04	1201
04	GDAC6CHK	GDAC61AC	GDAC61AC	04/08/04	1221
05	MW504/033004	GC9W71AA	GC9W71AA	04/08/04	1343
06	MW-43A/03300	GC9XC1AC	GC9XC1AC	04/08/04	1403
07	MW-18/033004	GC9XE1AC	GC9XE1AC	04/08/04	1424
08	P-1/033004	GC9XG1AC	GC9XG1AC	04/08/04	1444
09	MW44/032904	GC7F21AE	GC7F21AE	04/08/04	1505
10	MW44/032904	GC7F21AF	GC7F21AF	04/08/04	1525
11	MW44/032904	GC7F21AG	GC7F21AG	04/08/04	1545
12	MW24/032904	GC7GH1AG	GC7GH1AG	04/08/04	1606
13	MW31D/032904	GC7GK1AG	GC7GK1AG	04/08/04	1647
14					
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SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 6SMH0407 Date Analyzed: 04/07/04

Instrument ID: A4HP6 Time Analyzed: 0849

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	115754	3.76	450823	4.82	251980	6.27
	UPPER LIMIT	231508	4.26	901646	5.32	503960	6.77
	LOWER LIMIT	57877	3.26	225412	4.32	125990	5.77
	EPA SAMPLE NO.						
01	GC8AWBLK	126244	3.76	464309	4.82	253427	6.27
02	GC8AWCHK	132441	3.76	522655	4.82	294767	6.27
03	MW30/032904	135588	3.76	473346	4.82	278523	6.27
04	MW15B/032904	164427	3.76	588426	4.82	359880	6.27
05	DUP01	169876	3.76	621666	4.82	357567	6.27
06	MW31A/032904	125082	3.76	510645	4.81	291184	6.26
07	MW31C/032904	150529	3.76	583887	4.81	334351	6.27
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09							
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 6SMH0407 Date Analyzed: 04/07/04

Instrument ID: A4HP6 Time Analyzed: 0849

		IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
	12 HOUR STD	457108	7.48	422686	9.64	284809	10.79
	UPPER LIMIT	914216	7.98	845372	10.14	569618	11.29
	LOWER LIMIT	228554	6.98	211343	9.14	142405	10.29
	EPA SAMPLE NO.						
01	GC8AWBLK	476333	7.48	438953	9.64	283520	10.79
02	GC8AWCHK	540319	7.48	496083	9.64	323447	10.79
03	MW30/032904	520632	7.48	487136	9.64	330247	10.78
04	MW15B/032904	662702	7.48	607388	9.64	402427	10.78
05	DUP01	654605	7.48	629959	9.64	418554	10.78
06	MW31A/032904	524754	7.48	491880	9.64	324351	10.78
07	MW31C/032904	606758	7.48	562480	9.64	383059	10.78
08							
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22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 SV-2 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 6SMH0412 Date Analyzed: 04/12/04

Instrument ID: A4HP6 Time Analyzed: 1045

		IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
	12 HOUR STD	194755	4.22	756486	5.28	435333	6.74
	UPPER LIMIT	389510	4.72	1512972	5.78	870666	7.24
	LOWER LIMIT	97378	3.72	378243	4.78	217667	6.24
	EPA SAMPLE NO.						
01	GDK2NBLK	143245	4.22	580305	5.28	319264	6.73
02	GDK2NCHK	147351	4.23	584504	5.28	339970	6.74
03							
04							
05							
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 6SMH0412 Date Analyzed: 04/12/04

Instrument ID: A4HP6 Time Analyzed: 1045

		IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
	12 HOUR STD	810668	7.96	785096	10.15	561160	11.37
	UPPER LIMIT	1621336	8.46	1570192	10.65	1122320	11.87
	LOWER LIMIT	405334	7.46	392548	9.65	280580	10.87
	EPA SAMPLE NO.						
01	GDK2NBLK	600216	7.96	552671	10.14	358798	11.36
02	GDK2NCHK	619026	7.96	582687	10.15	385785	11.36
03							
04							
05							
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07							
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20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 SV-2 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 6SMH0413 Date Analyzed: 04/13/04

Instrument ID: A4HP6 Time Analyzed: 0823

		IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
	12 HOUR STD	191321	4.22	727865	5.28	411095	6.74
	UPPER LIMIT	382642	4.72	1455730	5.78	822190	7.24
	LOWER LIMIT	95661	3.72	363933	4.78	205548	6.24
	EPA SAMPLE NO.						
01	MW-8/033104	167313	4.30	699835	5.34	407677	6.79
02							
03							
04							
05							
06							
07							
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13							
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18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 6SMH0413 Date Analyzed: 04/13/04

Instrument ID: A4HP6 Time Analyzed: 0823

		IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
	12 HOUR STD	715545	7.96	730211	10.15	494287	11.36
	UPPER LIMIT	1431090	8.46	1460422	10.65	988574	11.86
	LOWER LIMIT	357773	7.46	365106	9.65	247144	10.86
	EPA SAMPLE NO.						
01	MW-8/033104	725727	8.01	694550	10.19	493114	11.42
02							
03							
04							
05							
06							
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 SV-2 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 6SMH0414 Date Analyzed: 04/14/04

Instrument ID: A4HP6 Time Analyzed: 0750

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	228424	4.18	860789	5.24	500844	6.70
	UPPER LIMIT	456848	4.68	1721578	5.74	1001688	7.20
	LOWER LIMIT	114212	3.68	430395	4.74	250422	6.20
	EPA SAMPLE NO.						
01	GD2CVBLK	185615	4.18	702593	5.24	389662	6.70
02	GD2CVCHK	161998	4.18	625364	5.24	357581	6.70
03	MW44/032904	194202	4.18	748215	5.24	436394	6.70
04	MW44/032904	202052	4.18	777059	5.24	452965	6.70
05	MW-43A/03300	191411	4.18	696846	5.24	401796	6.69
06	P-1/033004	202175	4.18	742639	5.24	438369	6.69
07	MW504/033004	184365	4.18	680823	5.24	395779	6.69
08	MW-23/033104	167492	4.18	520570	5.24	388878	6.70
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 6SMH0414 Date Analyzed: 04/14/04

Instrument ID: A4HP6 Time Analyzed: 0750

		IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
	12 HOUR STD	852061	7.92	864636	10.11	622701	11.32
	UPPER LIMIT	1704122	8.42	1729272	10.61	1245402	11.82
	LOWER LIMIT	426031	7.42	432318	9.61	311351	10.82
	EPA SAMPLE NO.						
01	GD2CVBLK	682775	7.92	685075	10.10	487849	11.31
02	GD2CVCHK	602890	7.92	600307	10.10	431235	11.31
03	MW44/032904	745649	7.92	730125	10.10	540988	11.31
04	MW44/032904	776051	7.92	758870	10.10	549235	11.31
05	MW-43A/03300	721401	7.92	705356	10.10	523273	11.31
06	P-1/033004	766007	7.92	733576	10.10	529954	11.31
07	MW504/033004	685000	7.92	646454	10.10	482928	11.31
08	MW-23/033104	714992	7.93	712956	10.12	521840	11.34
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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LOWER LIMIT = - 50% of internal standard area.

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FORM VIII SV-2

1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 6SMH0415 Date Analyzed: 04/15/04

Instrument ID: A4HP6 Time Analyzed: 0903

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	175011	4.21	646290	5.27	372666	6.73
	UPPER LIMIT	350022	4.71	1292580	5.77	745332	7.23
	LOWER LIMIT	87506	3.71	323145	4.77	186333	6.23
	EPA SAMPLE NO.						
01	MW44/032904	120811	4.21	474986	5.27	291219	6.73
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 SV-1

1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 6SMH0415 Date Analyzed: 04/15/04

Instrument ID: A4HP6 Time Analyzed: 0903

		IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
	12 HOUR STD	635944	7.95	627316	10.14	458468	11.36
	UPPER LIMIT	1271888	8.45	1254632	10.64	916936	11.86
	LOWER LIMIT	317972	7.45	313658	9.64	229234	10.86
	EPA SAMPLE NO.						
01	MW44/032904	517619	7.95	502861	10.14	399695	11.36
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IS4 (PHN) = Phenanthrene-d10
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of internal standard area.
LOWER LIMIT = - 50%
of internal standard area.

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

FORM VIII SV-2 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 1SMH0408 Date Analyzed: 04/08/04

Instrument ID: A4HP10 Time Analyzed: 0813

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	238730	3.78	1062340	4.84	604597	6.29
	UPPER LIMIT	477460	4.28	2124680	5.34	1209194	6.79
	LOWER LIMIT	119365	3.28	531170	4.34	302299	5.79
	EPA SAMPLE NO.						
01	GDAC6BLK	185862	3.78	813378	4.83	463002	6.28
02	GDAC6CHK	423986	3.78	1797289	4.84	1036303	6.29
03	MW504/033004	181904	3.78	744179	4.83	442119	6.28
04	MW-43A/03300	253259	3.78	1049417	4.83	596966	6.28
05	MW-18/033004	337428	3.78	1421669	4.83	788686	6.28
06	P-1/033004	206044	3.78	818036	4.83	451609	6.28
07	MW44/032904	252197	3.78	1068088	4.83	585356	6.28
08	MW44/032904	269532	3.78	1144121	4.84	673885	6.29
09	MW44/032904	215310	3.78	996301	4.84	577991	6.29
10	MW24/032904	229881	3.78	970436	4.83	523117	6.28
11	MW31D/032904	239351	3.78	1026385	4.83	555942	6.28
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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LOWER LIMIT = - 50% of internal standard area.

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

FORM VIII SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4C30268

Lab File ID (Standard): 1SMH0408 Date Analyzed: 04/08/04

Instrument ID: A4HP10 Time Analyzed: 0813

		IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
	12 HOUR STD	1019265	7.51	914914	9.69	709577	10.85
	UPPER LIMIT	2038530	8.01	1829828	10.19	1419154	11.35
	LOWER LIMIT	509633	7.01	457457	9.19	354789	10.35
	EPA SAMPLE NO.						
01	GDAC6BLK	805948	7.50	775909	9.68	557485	10.83
02	GDAC6CHK	1843539	7.51	1724282	9.69	1315135	10.85
03	MW504/033004	773948	7.50	742415	9.68	537797	10.84
04	MW-43A/03300	1041403	7.50	1035847	9.68	742351	10.84
05	MW-18/033004	1386378	7.51	1366872	9.68	998400	10.84
06	P-1/033004	786719	7.50	772770	9.68	540163	10.84
07	MW44/032904	1020018	7.50	1015916	9.68	741104	10.84
08	MW44/032904	1149551	7.51	1108005	9.69	812169	10.85
09	MW44/032904	995131	7.51	933754	9.69	663129	10.85
10	MW24/032904	903975	7.50	895614	9.68	649480	10.84
11	MW31D/032904	941268	7.50	973639	9.68	693577	10.84
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 SV-2 1/87 Rev.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: MW44/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-001 Work Order #...: GC7F21AE Matrix.....: WG
Date Sampled...: 03/29/04 10:48 Date Received..: 03/30/04
Prep Date.....: 04/01/04 Analysis Date..: 04/08/04
Prep Batch #...: 4091574
Dilution Factor: 1 Initial Wgt/Vol: 1000 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW44/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-001 Work Order #...: GC7F21AE Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW44/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-001 **Work Order #...:** GC7F21AE **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

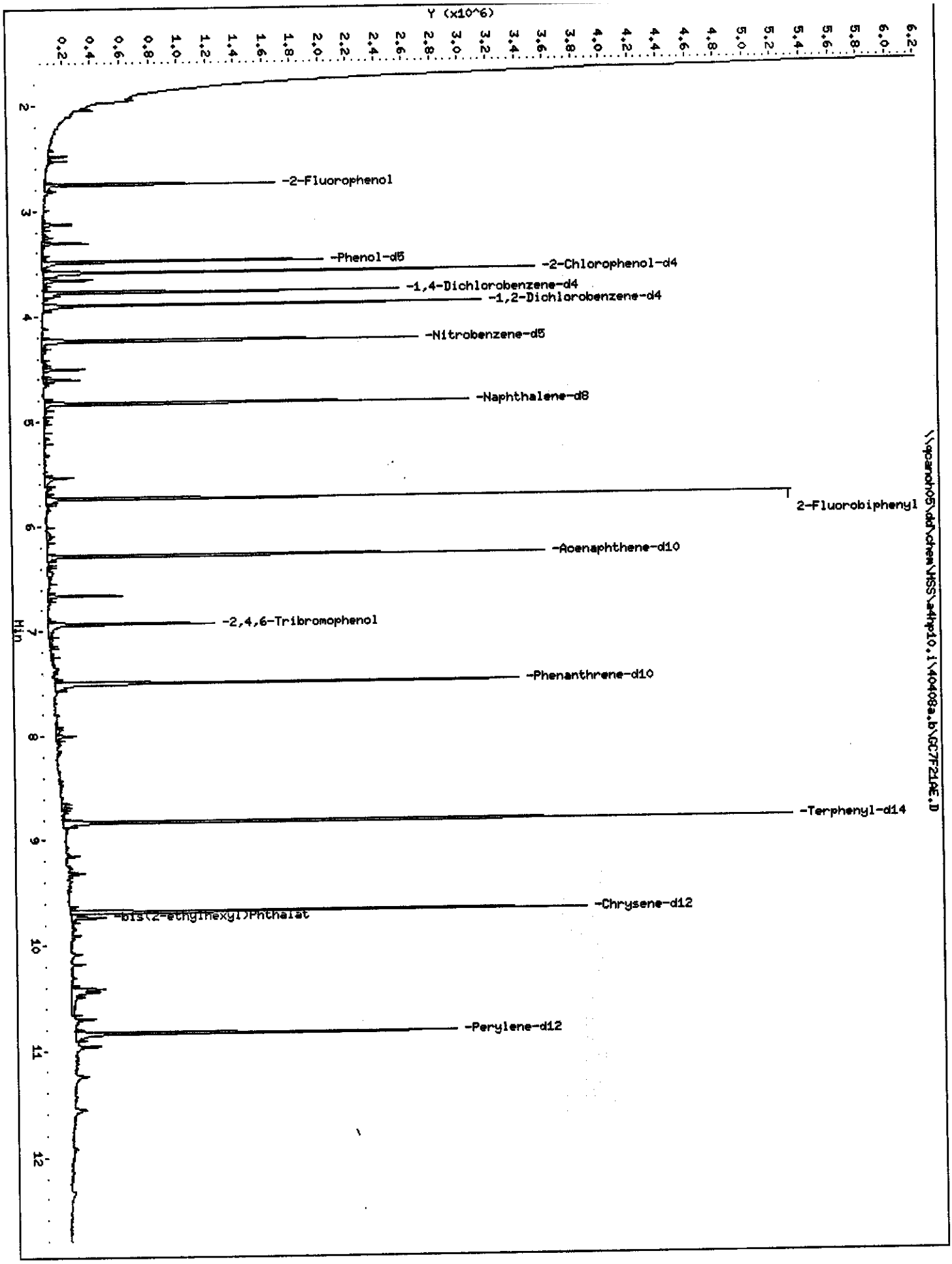
Client Sample ID: MW44/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-001 **Work Order #...:** GC7F21AE **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	69	(32 - 112)
2-Fluorobiphenyl	65	(30 - 110)
Terphenyl-d14	66	(10 - 144)
Phenol-d5	27	(10 - 113)
2-Fluorophenol	24	(13 - 110)
2,4,6-Tribromophenol	34	(21 - 122)


Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-bis(2-ethylhexyl)Phthalat
-Perylene-d12
\\qcarchn05\ddr\chem\MSS\a4hp10.i\40408a.b\GC7F21AE.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\GC7F21AE.D
Lab Smp Id: GC7F21AE
Client Smp ID: MW44/032904
Inj Date : 08-APR-2004 15:05
Operator : 046900
Inst ID: a4hp10.i
Smp Info : gc7f21ae,40408a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 12-Apr-2004 09:27 ulmanm
Quant Type: ISTD
Cal Date : 08-APR-2004 11:20
Cal File: 1THHH0408.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.777	3.777	(1.000)	252197	2.00000	
* 2 Naphthalene-d8	136	4.829	4.835	(1.000)	1068088	2.00000	
* 3 Acenaphthene-d10	164	6.282	6.288	(1.000)	585356	2.00000	
* 4 Phenanthrene-d10	188	7.500	7.506	(1.000)	1020018	2.00000	
* 5 Chrysene-d12	240	9.680	9.691	(1.000)	1015916	2.00000	
* 6 Perylene-d12	264	10.839	10.845	(1.000)	741104	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

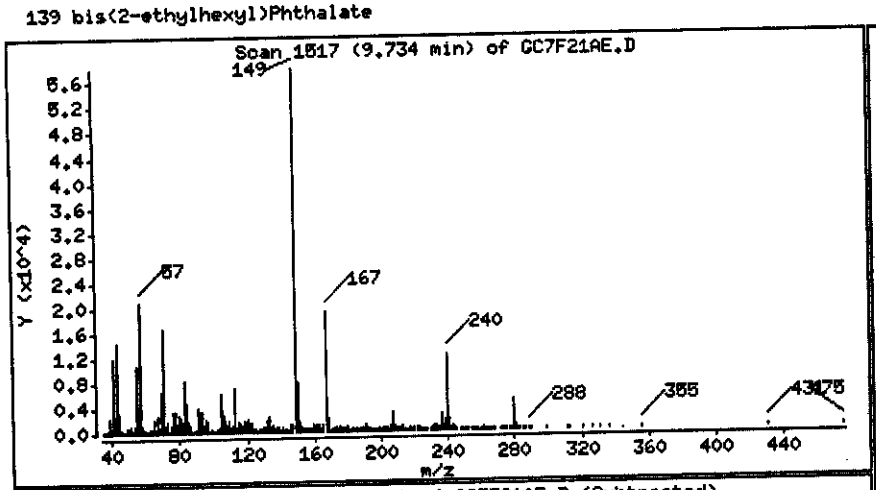
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

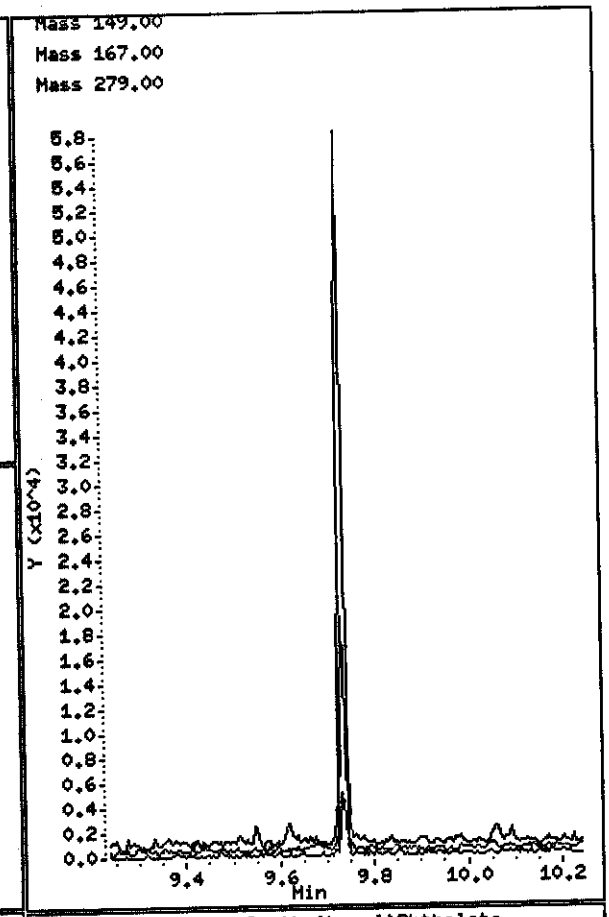
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
M 229 Famphur,Total	100	Compound Not Detected.					
230 Famphur 2	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	9.734	9.739	(1.006)	43388	0.10369	0.41475(Q)
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.236	4.247	(0.877)	894607	3.46088	13.844
$ 155 2-Fluorobiphenyl	172	5.738	5.743	(0.913)	1178403	3.24537	12.981
$ 156 Terphenyl-d14	244	8.831	8.831	(0.912)	1343112	3.30572	13.223
$ 157 Phenol-d5	99	3.488	3.494	(0.924)	594096	2.03765	8.1506
$ 158 2-Fluorophenol	112	2.751	2.746	(0.728)	369455	1.82023	7.2809
$ 159 2,4,6-Tribromophenol	330	6.934	6.939	(1.104)	118450	2.52945	10.118
$ 186 2-Chlorophenol-d4	132	3.590	3.595	(0.950)	458146	2.54641	10.186
$ 187 1,2-Dichlorobenzene-d4	152	3.900	3.905	(1.033)	310799	3.07436	12.297(Q)
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	1.720	1.688	(0.456)	19003	0.21732	0.86926(QM)
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

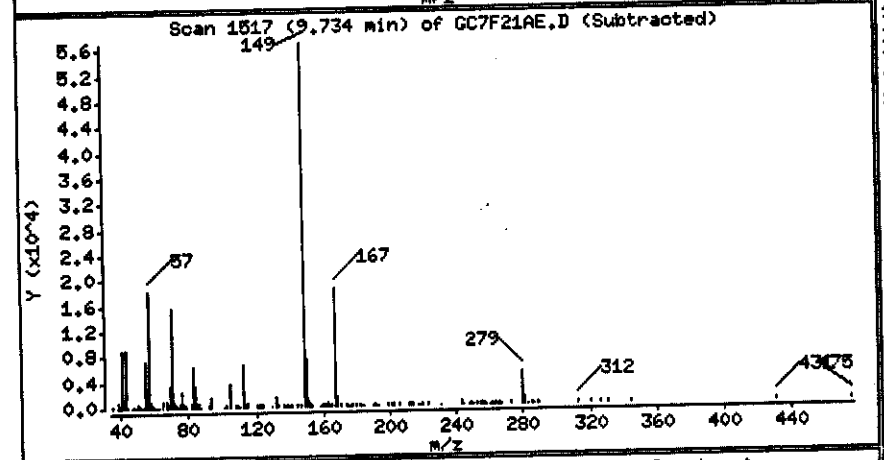
QC Flag Legend

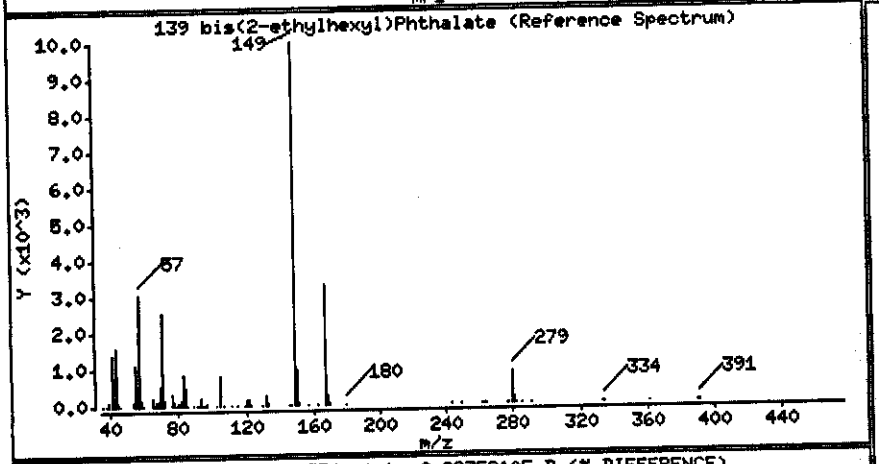
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

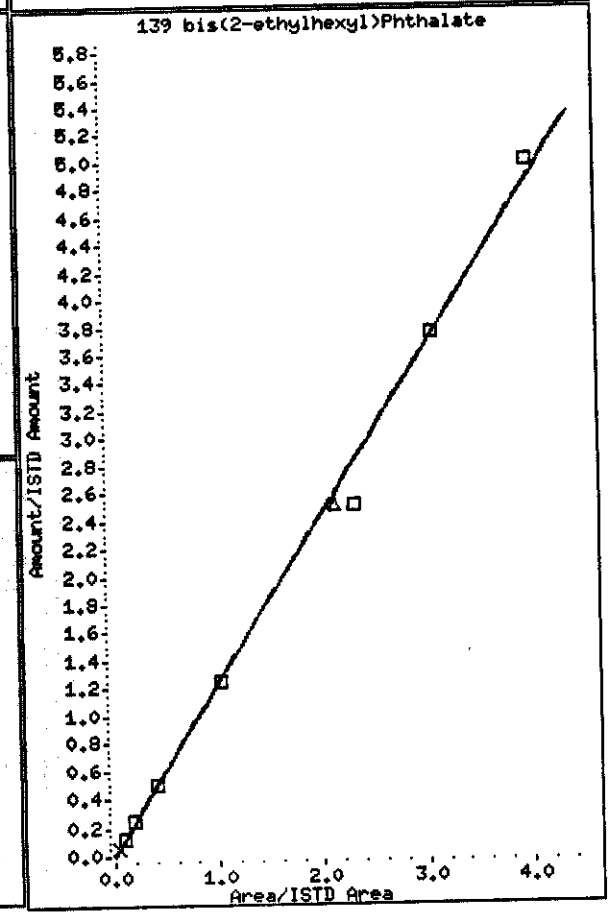
139 bis(2-ethylhexyl)Phthalate

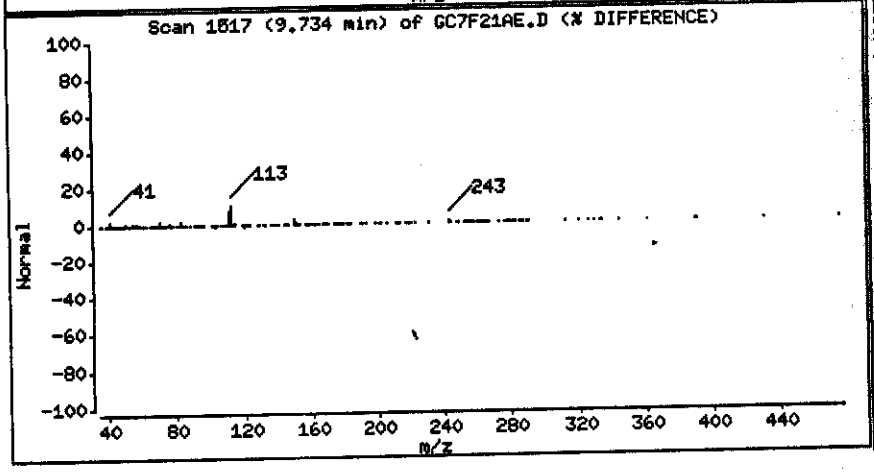




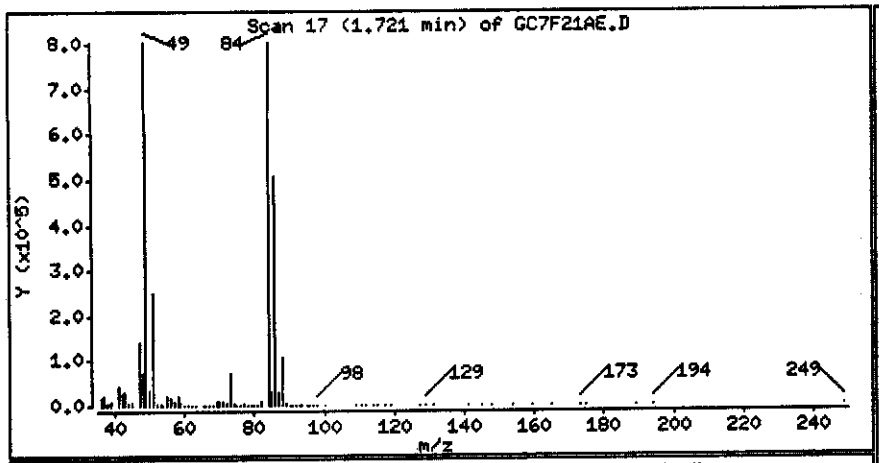


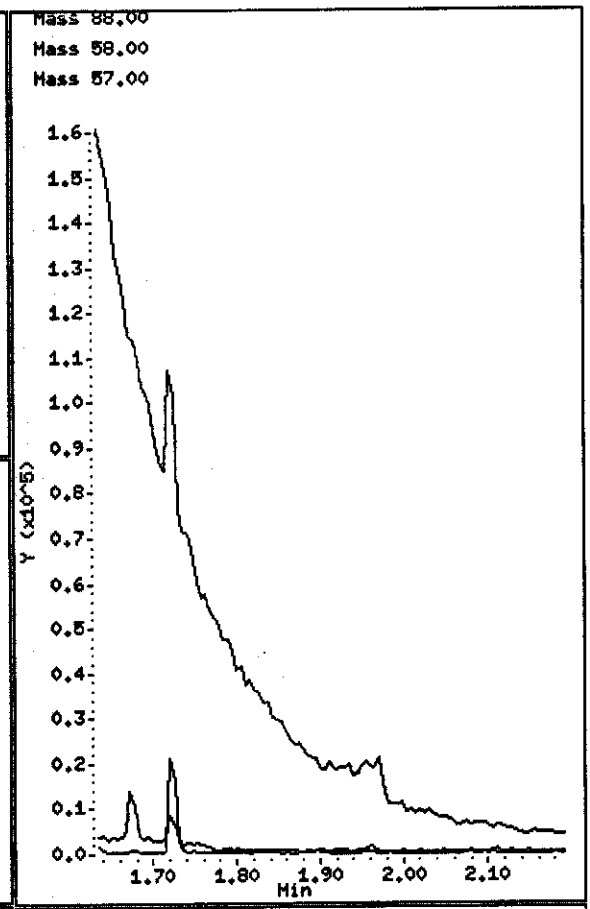


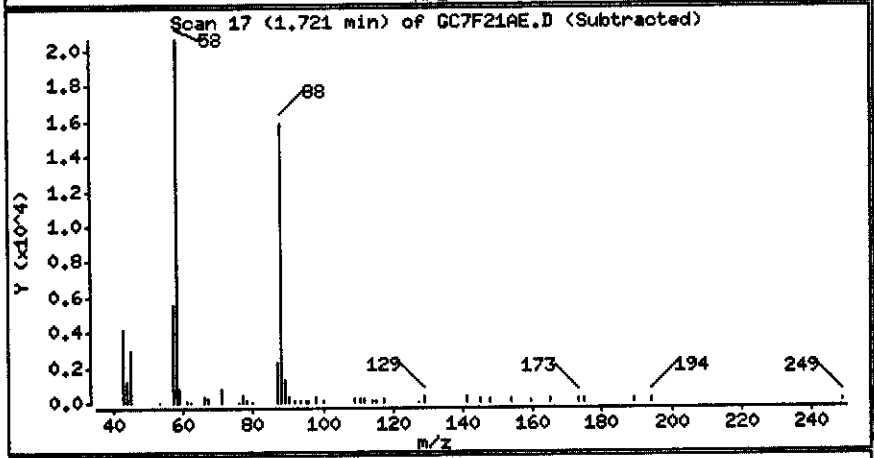


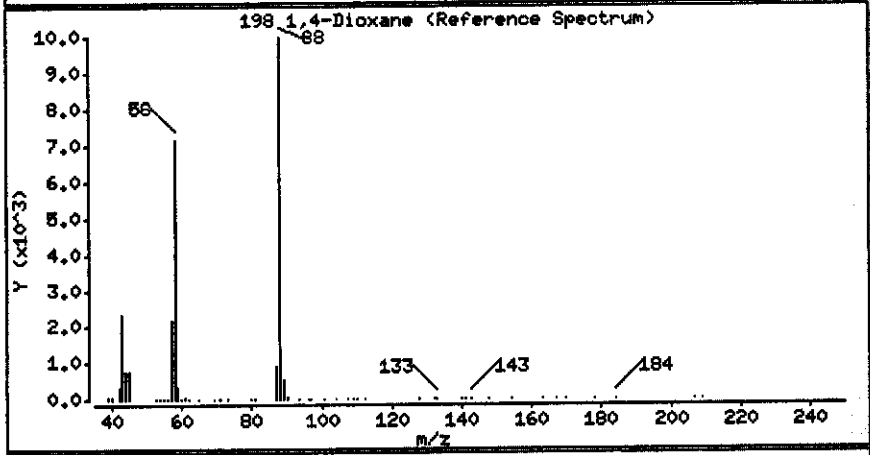


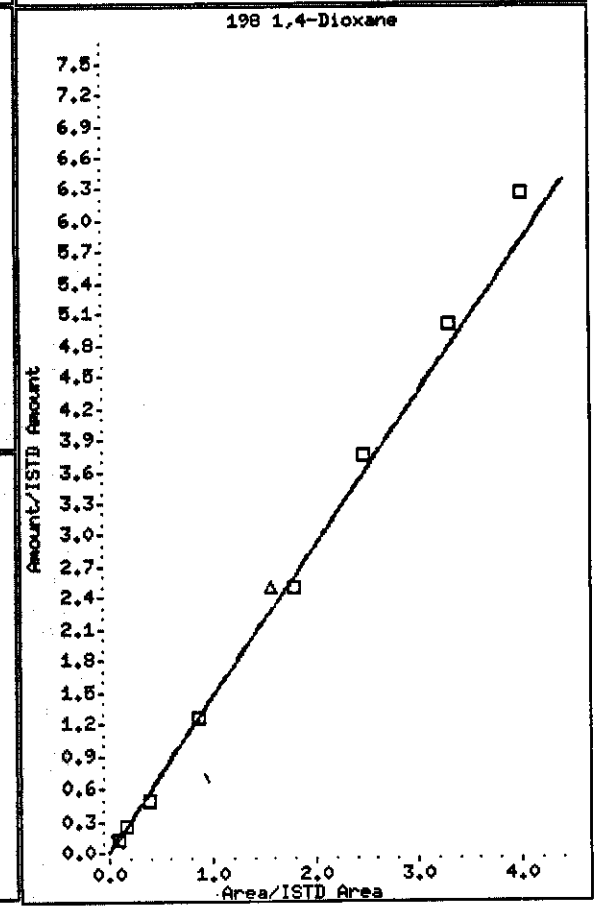
198 1,4-Dioxane

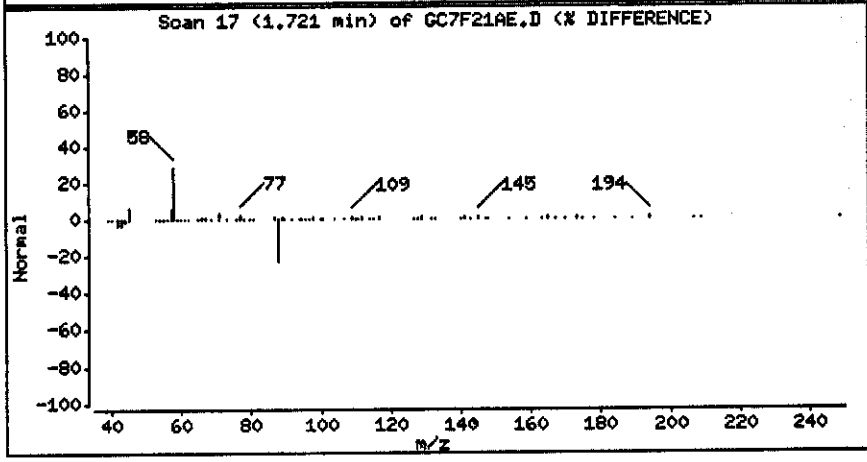












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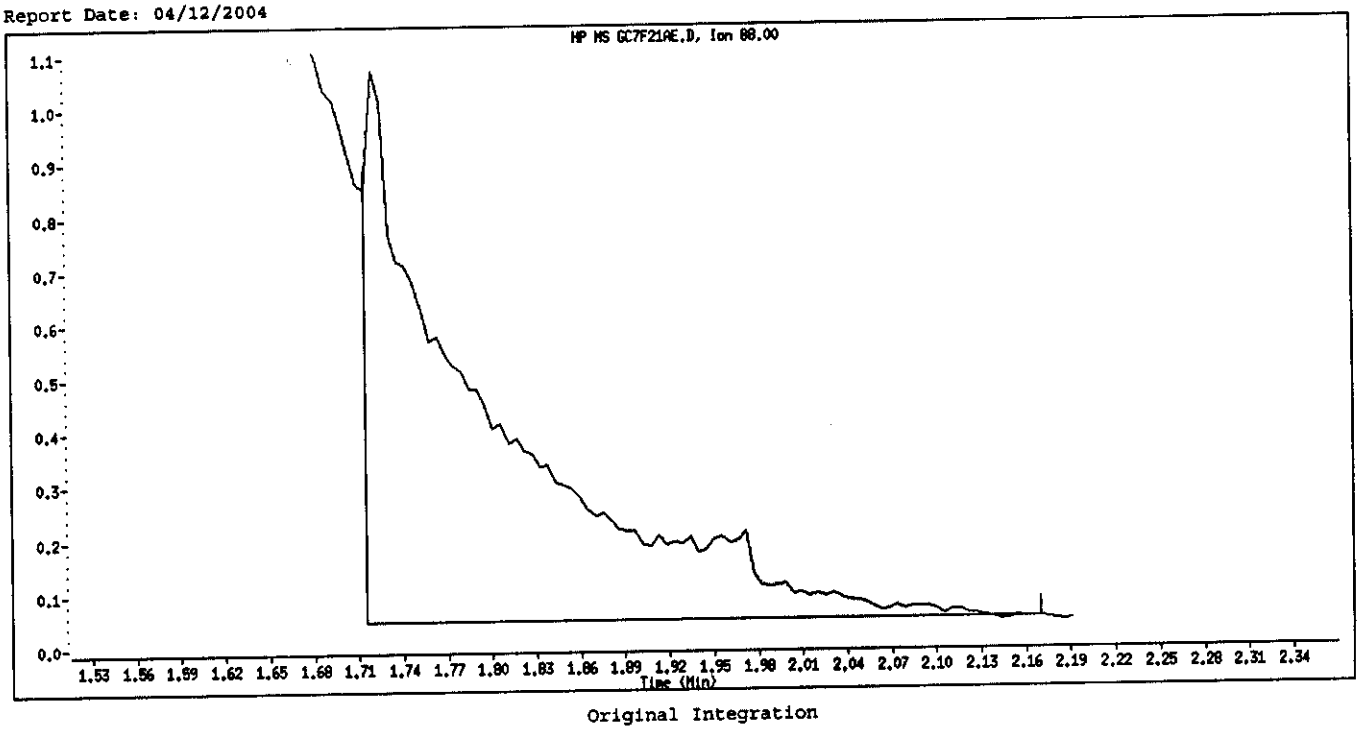
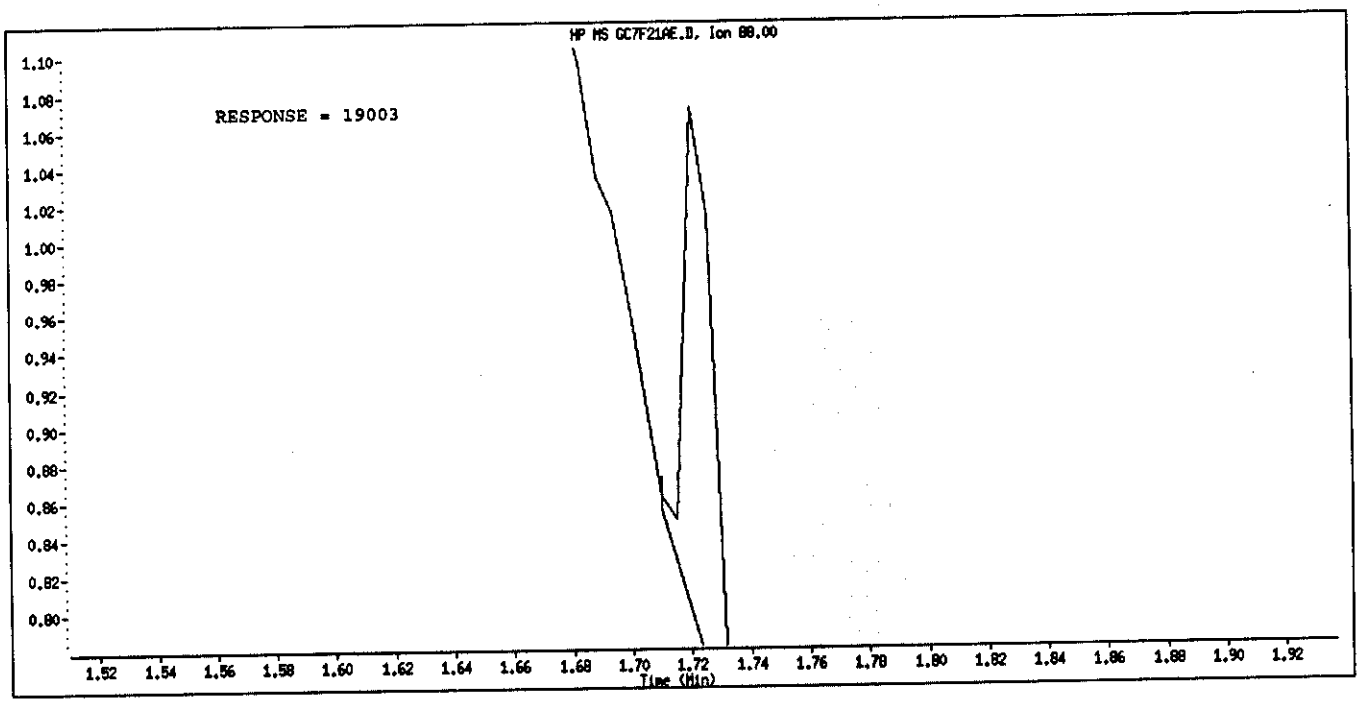
Instrument ID: a4hp10.i
Client ID: MW44/032904
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: ulmanm
Manual Integration Reason: Analyte Misidentified by the Data System

PAYNE FIRM INC.

Client Sample ID: MW44/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-001 Work Order #...: GC7F22AE Matrix.....: WG
Date Sampled...: 03/29/04 10:48 Date Received..: 03/30/04
Prep Date.....: 04/13/04 Analysis Date..: 04/15/04
Prep Batch #...: 4104113
Dilution Factor: 1 Initial Wgt/Vol: 1020 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW44/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-001 **Work Order #...:** GC7F22AE **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW44/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-001 **Work Order #...:** GC7F22AE **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

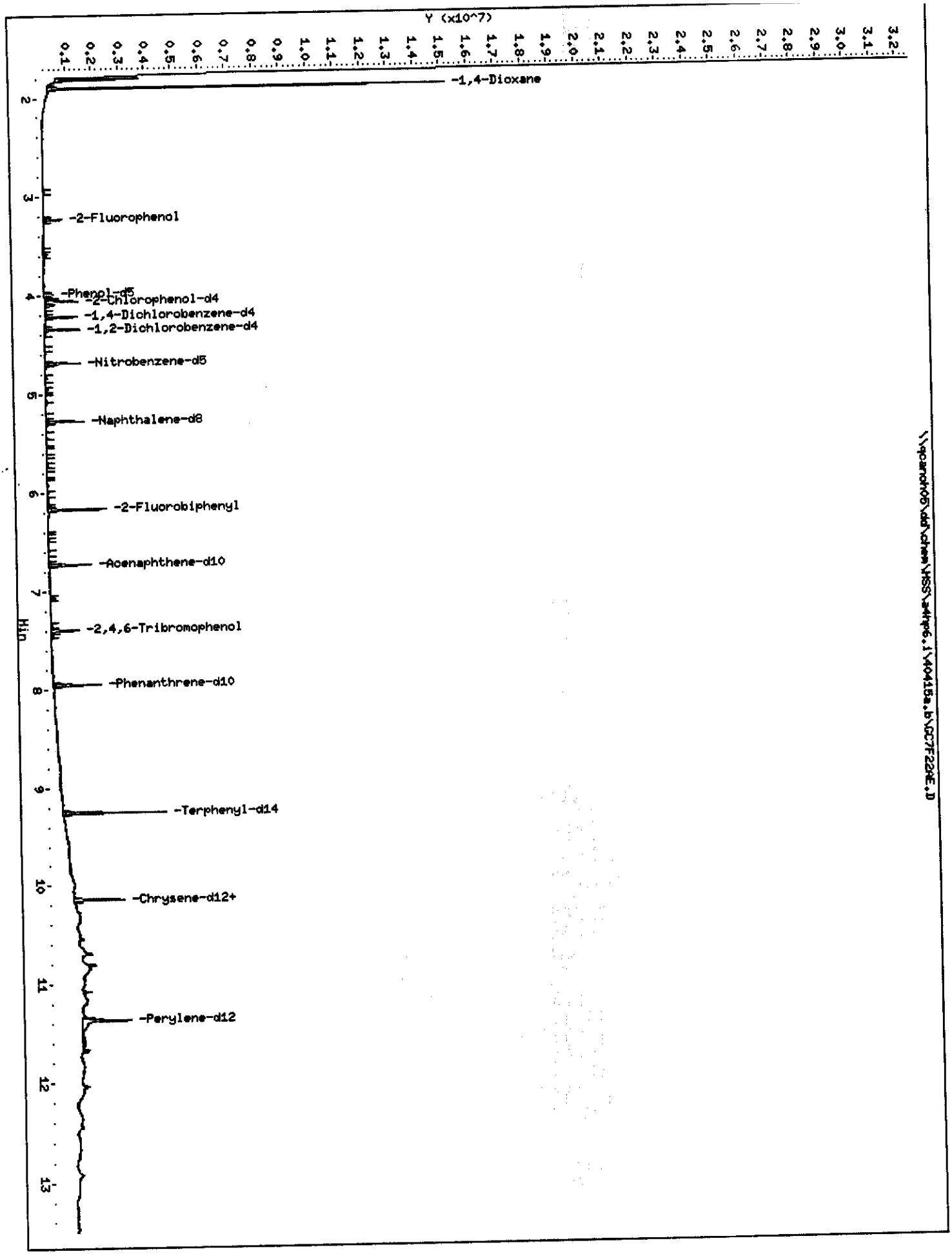
Client Sample ID: MW44/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-001 Work Order #...: GC7F22AE Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	62	(32 - 112)
2-Fluorobiphenyl	52	(30 - 110)
Terphenyl-d14	83	(10 - 144)
Phenol-d5	14	(10 - 113)
2-Fluorophenol	20	(13 - 110)
2,4,6-Tribromophenol	50	(21 - 122)


Y (x10^7)
-1,4-Dioxane
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
Min
\\qcanon05\dd\chem\HSS\ahmp6.i\40415a.b\GC7F22HE.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40415a.b\GC7F22AE.D
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Inj Date : 15-APR-2004 19:46
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gc7f22ae,40415a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40415a.b\8270p.m
Meth Date : 16-Apr-2004 11:16 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 33
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1020.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

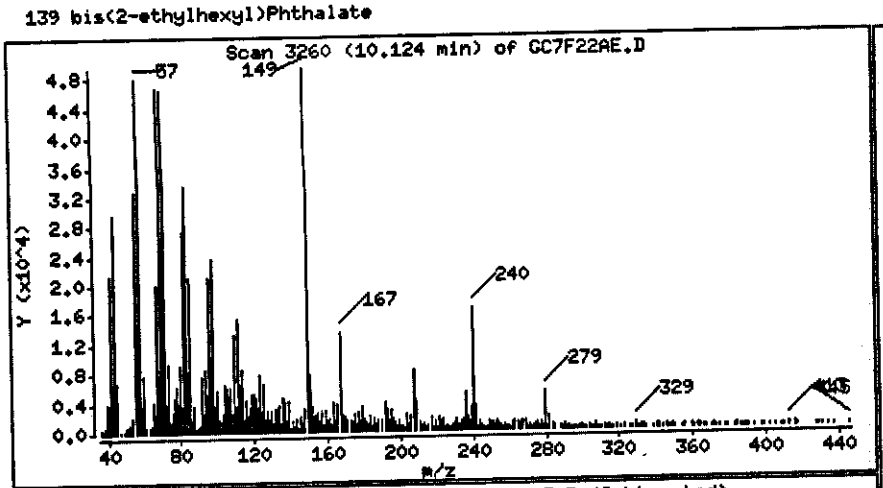
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.214	4.213	(1.000)	120811	2.00000	
* 2 Naphthalene-d8	136	5.271	5.269	(1.000)	474986	2.00000	
* 3 Acenaphthene-d10	164	6.729	6.727	(1.000)	291219	2.00000	
* 4 Phenanthrene-d10	188	7.953	7.951	(1.000)	517619	2.00000	
* 5 Chrysene-d12	240	10.139	10.140	(1.000)	502861	2.00000	
* 6 Perylene-d12	264	11.360	11.359	(1.000)	399695	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

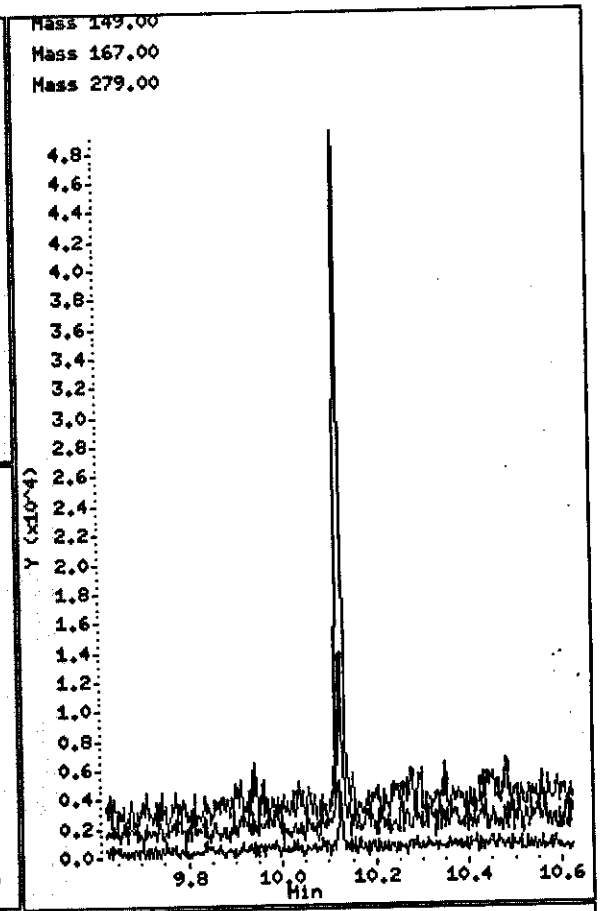
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

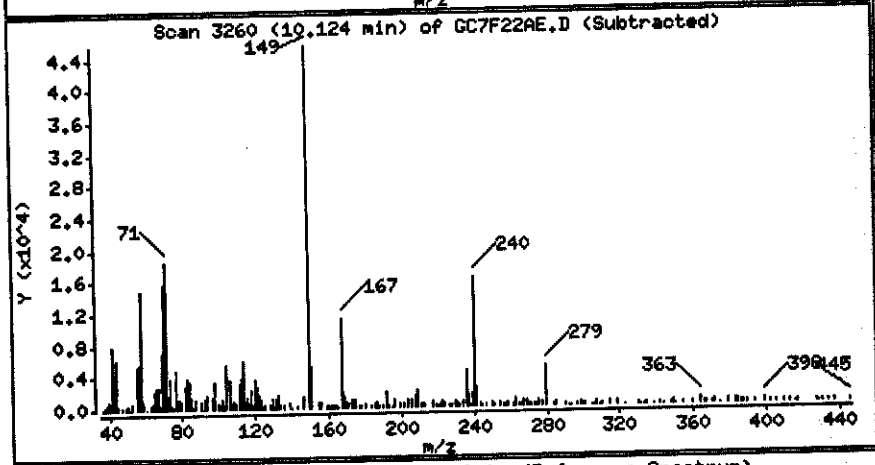
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

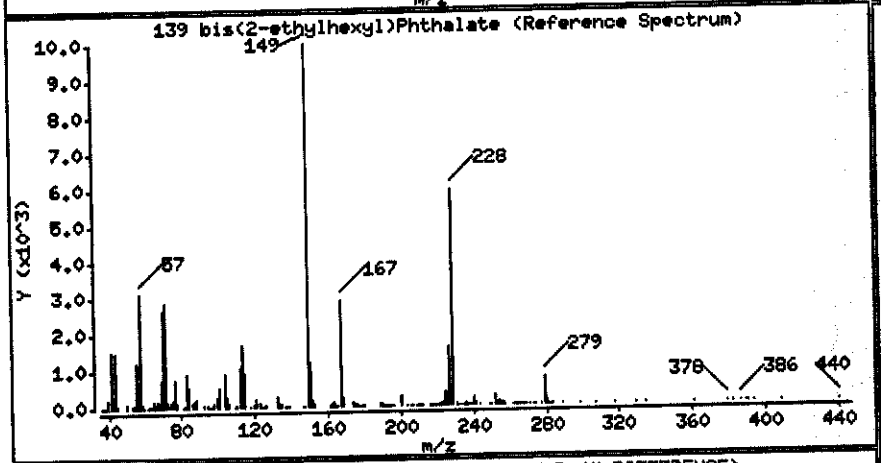
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.123	10.124	(0.998)	35695	0.18196	0.71359
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.685	4.681	(0.889)	497199	3.12080	12.238
$ 155 2-Fluorobiphenyl	172	6.168	6.167	(0.917)	504669	2.60304	10.208
$ 156 Terphenyl-d14	244	9.254	9.250	(0.913)	795539	4.16088	16.317
$ 157 Phenol-d5	99	3.985	3.927	(0.946)	148315	1.05801	4.1491
$ 158 2-Fluorophenol	112	3.224	3.192	(0.765)	133788	1.50784	5.9131
$ 159 2,4,6-Tribromophenol	330	7.395	7.383	(1.099)	83343	3.72129	14.593
$ 186 2-Chlorophenol-d4	132	4.057	4.035	(0.963)	235831	2.89985	11.372
$ 187 1,2-Dichlorobenzene-d4	152	4.343	4.341	(1.031)	129263	2.64185	10.360
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	2.080	2.083	(0.494)	7233	0.14404	0.56486
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

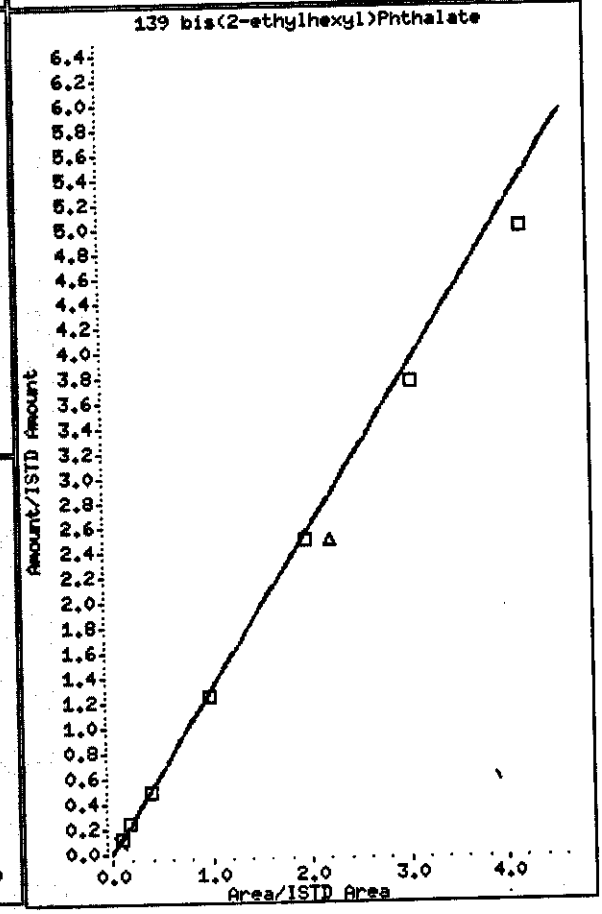
139 bis(2-ethylhexyl)Phthalate

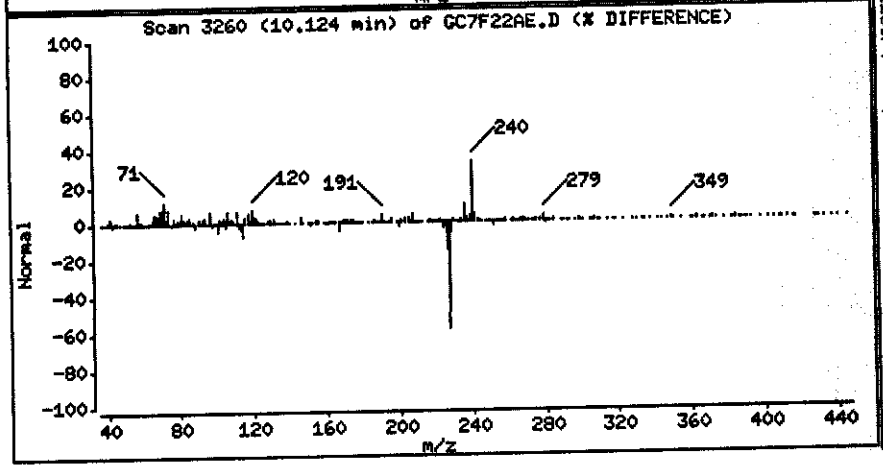




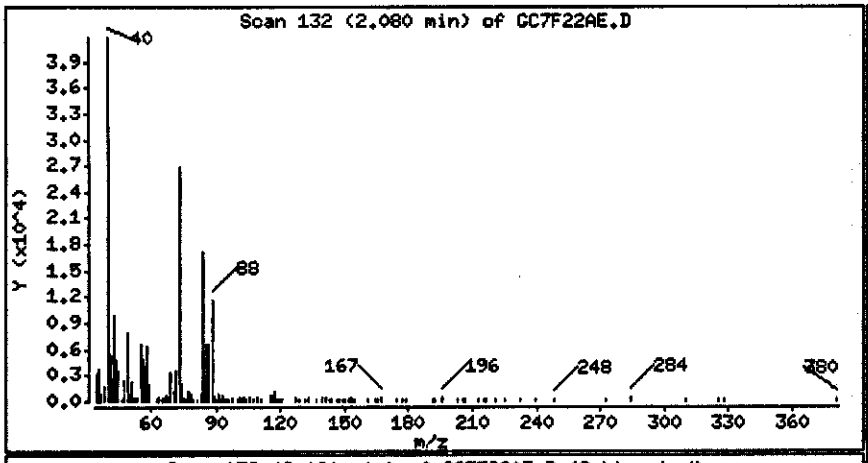


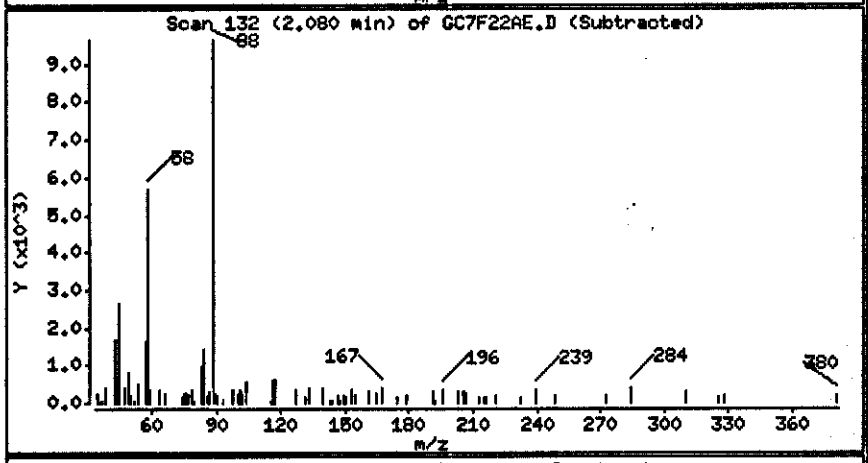


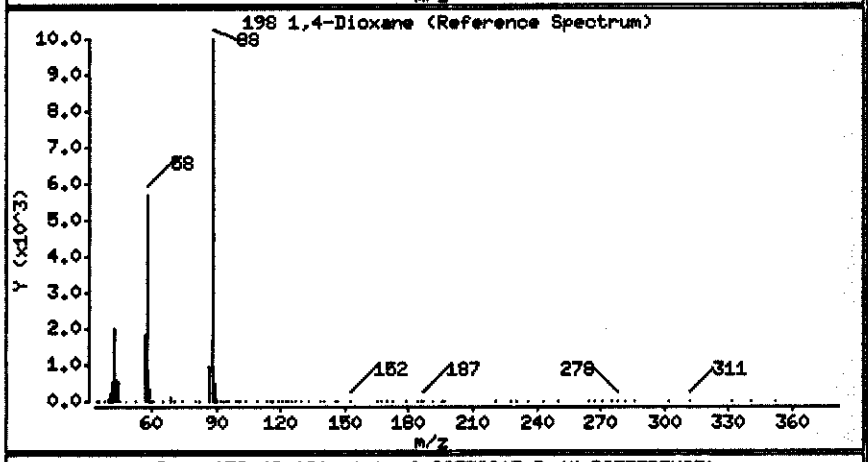


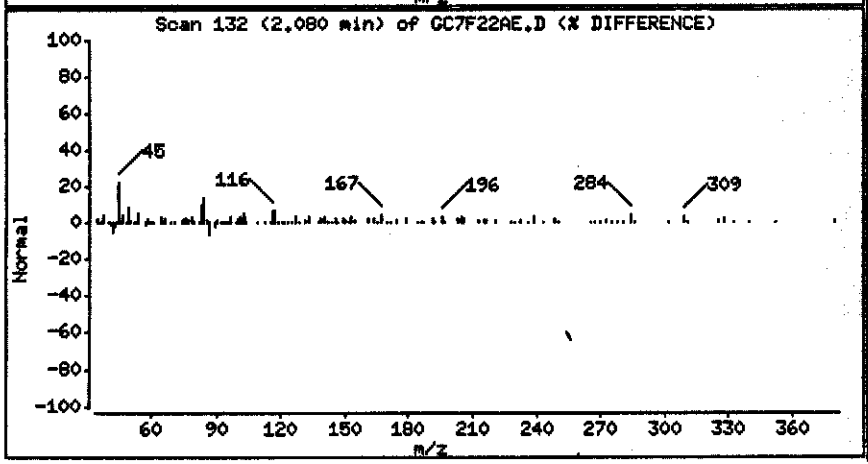


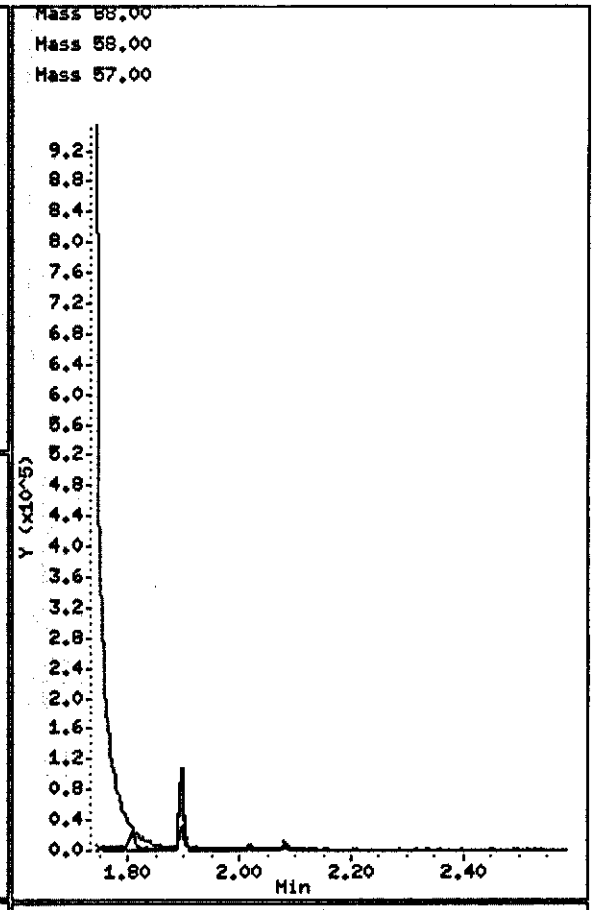
198 1,4-Dioxane

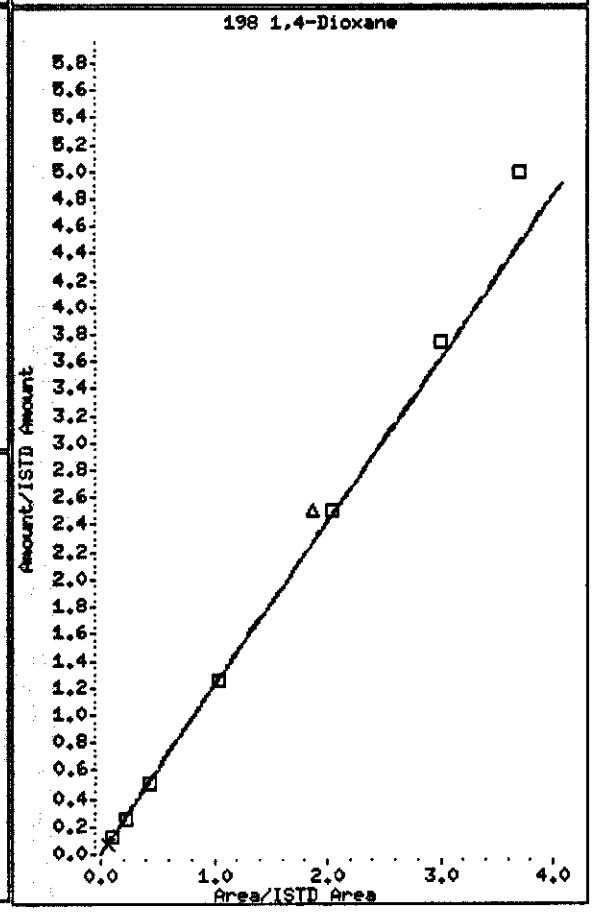












PAYNE FIRM INC.

Client Sample ID: MW24/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-002 Work Order #...: GC7GH1AG Matrix.....: WG
Date Sampled...: 03/29/04 10:20 Date Received..: 03/30/04
Prep Date.....: 04/01/04 Analysis Date..: 04/08/04
Prep Batch #...: 4091574
Dilution Factor: 1 Initial Wgt/Vol: 1030 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW24/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-002 Work Order #...: GC7GH1AG Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW24/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-002 **Work Order #...:** GC7GH1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

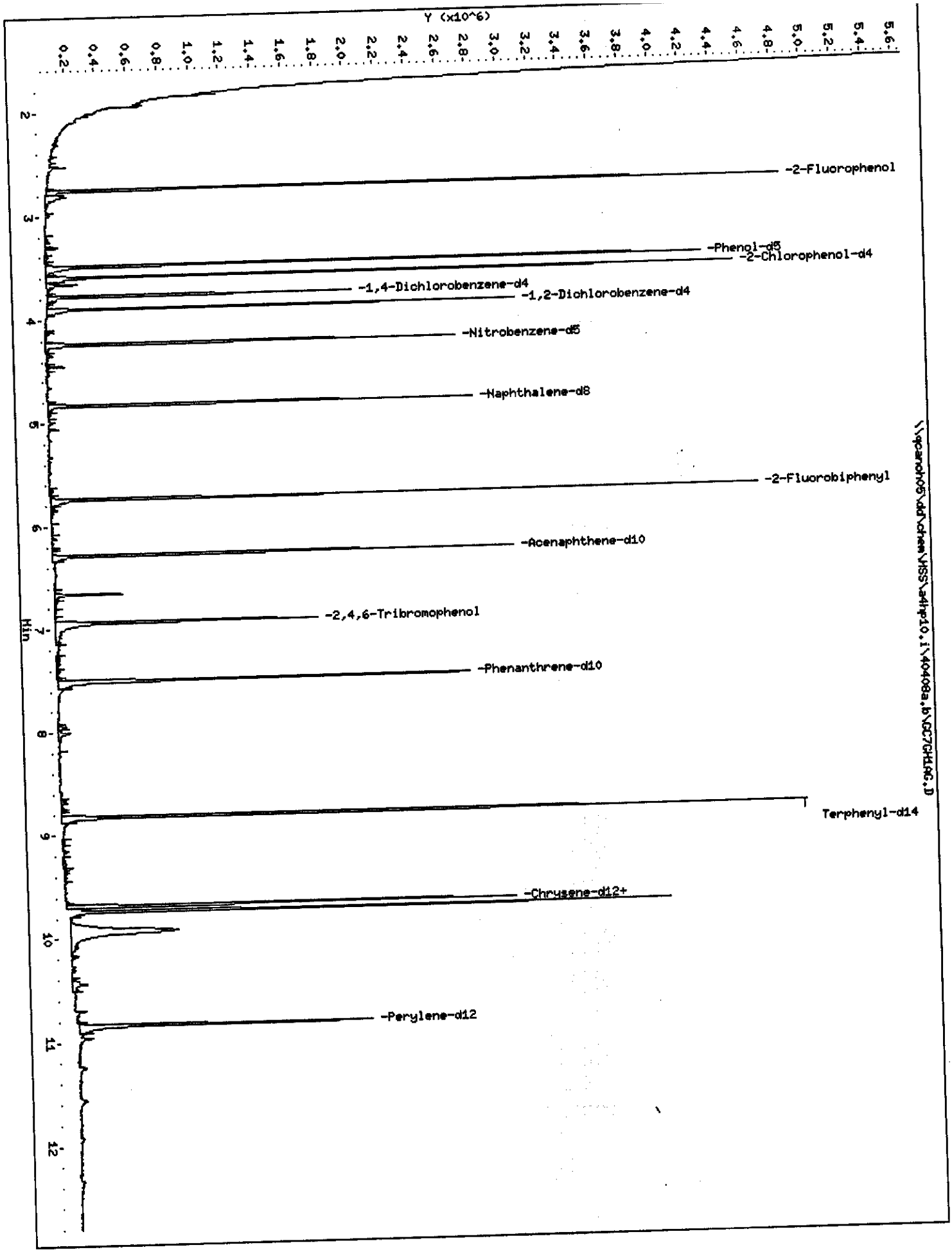
Client Sample ID: MW24/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-002 **Work Order #...:** GC7GH1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(32 - 112)
2-Fluorobiphenyl	68	(30 - 110)
Terphenyl-d14	75	(10 - 144)
Phenol-d5	65	(10 - 113)
2-Fluorophenol	65	(13 - 110)
2,4,6-Tribromophenol	68	(21 - 122)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4.2
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5.2
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5.6
Min
2
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8
9
10
11
12
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
\\qcanch05\dd\chem\MSS\a4hp10.i\40408a.b\GC7CH166.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Lab Smp Id: GC7GH1AG Client Smp ID: MW24/032904
Inj Date : 08-APR-2004 16:06
Operator : 046900 Inst ID: a4hp10.i
Smp Info : gc7gh1ag,40408a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 12-Apr-2004 09:27 ulmanm Quant Type: ISTD
Cal Date : 08-APR-2004 11:20 Cal File: 1THHH0408.D
Als bottle: 25
Dil Factor: 1.00000 Compound Sublist: 5-8270ap9.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1030.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.777	3.777	(1.000)	229881	2.00000	
* 2 Naphthalene-d8	136	4.829	4.835	(1.000)	970436	2.00000	
* 3 Acenaphthene-d10	164	6.282	6.288	(1.000)	523117	2.00000	
* 4 Phenanthrene-d10	188	7.501	7.506	(1.000)	903975	2.00000	
* 5 Chrysene-d12	240	9.680	9.691	(1.000)	895614	2.00000	
* 6 Perylene-d12	264	10.839	10.845	(1.000)	649480	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

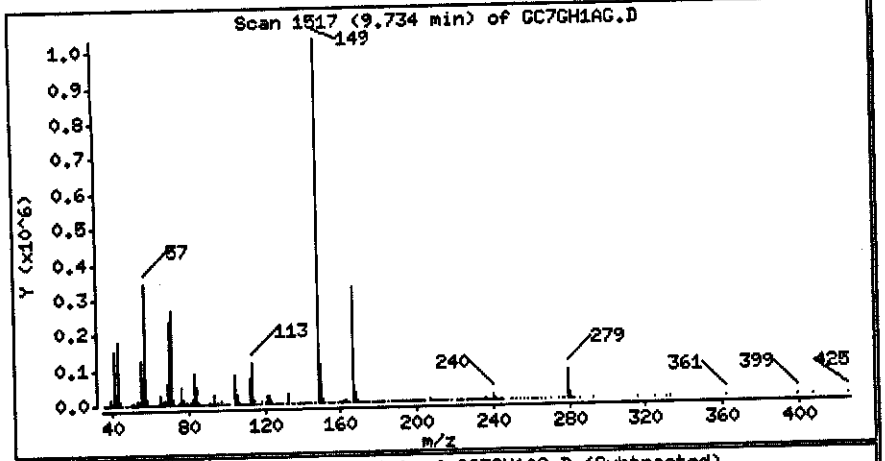
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
73	2-Nitroaniline	65	Compound Not Detected.					
74	1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75	1,4-Naphthoquinone	158	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
77	m-Dinitrobenzene	168	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	Compound Not Detected.					
80	1,2-Dinitrobenzene	168	Compound Not Detected.					
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	Compound Not Detected.					
83	2,4-Dinitrophenol	184	Compound Not Detected.					
84	Pentachlorobenzene	250	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	Compound Not Detected.					
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89	1-Naphthylamine	143	Compound Not Detected.					
90	Zinophos	97	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
101	Diphenylamine	169	Compound Not Detected.					
102	Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103	Diallate 1	86	Compound Not Detected.					
M 189	Diallate, Total	100	Compound Not Detected.					
104	Phorate	121	Compound Not Detected.					
105	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	284	Compound Not Detected.					
212	Atrazine	200	Compound Not Detected.					
108	Phenacetin	108	Compound Not Detected.					
109	Diallate 2	86	Compound Not Detected.					
110	Dimethoate	87	Compound Not Detected.					
111	Pentachlorophenol	266	Compound Not Detected.					
112	Pentachloronitrobenzene	237	Compound Not Detected.					
113	4-Aminobiphenyl	169	Compound Not Detected.					
114	Pronamide	173	Compound Not Detected.					
115	Phenanthrene	178	Compound Not Detected.					
116	Anthracene	178	Compound Not Detected.					
117	Dinoseb	211	Compound Not Detected.					
118	Disulfoton	88	Compound Not Detected.					
119	Carbazole	167	Compound Not Detected.					
120	Di-n-Butylphthalate	149	Compound Not Detected.					
121	4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122	Methapyrilene	58	Compound Not Detected.					
123	Fluoranthene	202	Compound Not Detected.					
124	Benzidine	184	Compound Not Detected.					
125	Pyrene	202	Compound Not Detected.					

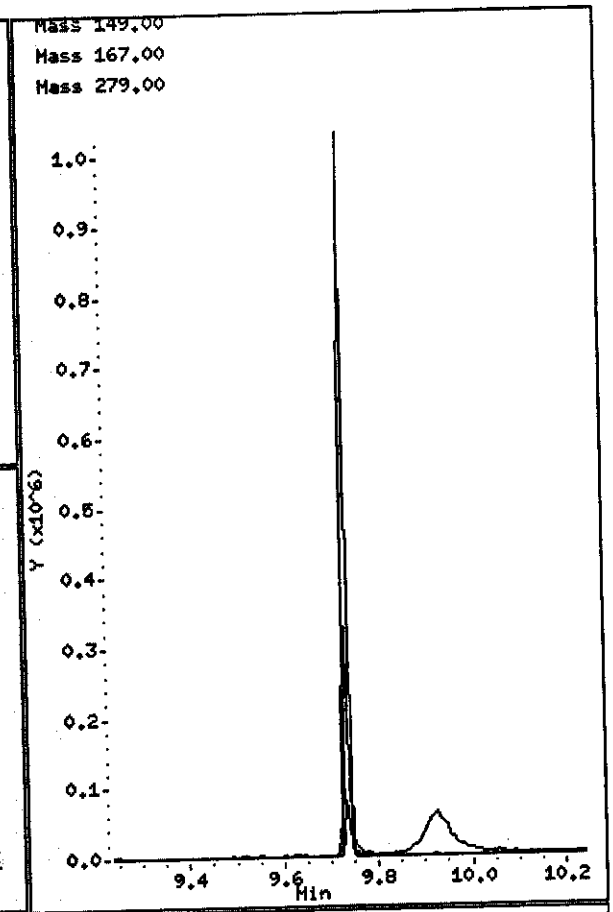
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
M 229 Famphur,Total	100	Compound Not Detected.					
230 Famphur 2	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	9.734	9.739	(1.006)	732668	1.98611	7.7130(Q)
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.236	4.247	(0.877)	831562	3.54070	13.750
$ 155 2-Fluorobiphenyl	172	5.738	5.743	(0.913)	1102498	3.39758	13.194
$ 156 Terphenyl-d14	244	8.825	8.831	(0.912)	1345275	3.75580	14.586
$ 157 Phenol-d5	99	3.488	3.494	(0.924)	1296063	4.87682	18.939
$ 158 2-Fluorophenol	112	2.751	2.746	(0.728)	903604	4.88403	18.967
$ 159 2,4,6-Tribromophenol	330	6.934	6.939	(1.104)	213905	5.11132	19.850
$ 186 2-Chlorophenol-d4	132	3.590	3.595	(0.951)	807088	4.92132	19.112
$ 187 1,2-Dichlorobenzene-d4	152	3.900	3.905	(1.033)	302342	3.28104	12.742(Q)
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

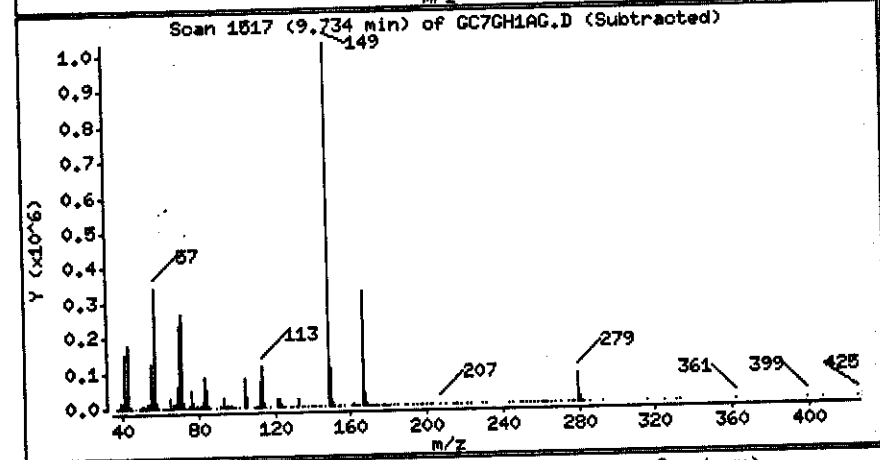
QC Flag Legend

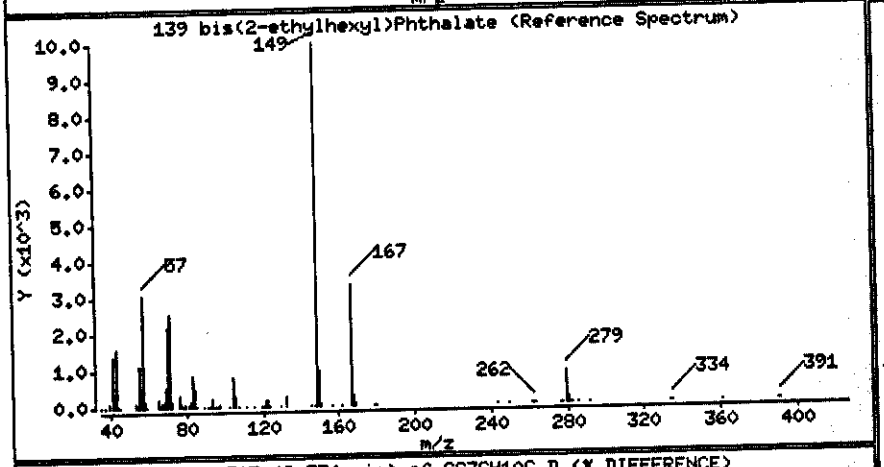
Q - Qualifier signal failed the ratio test.

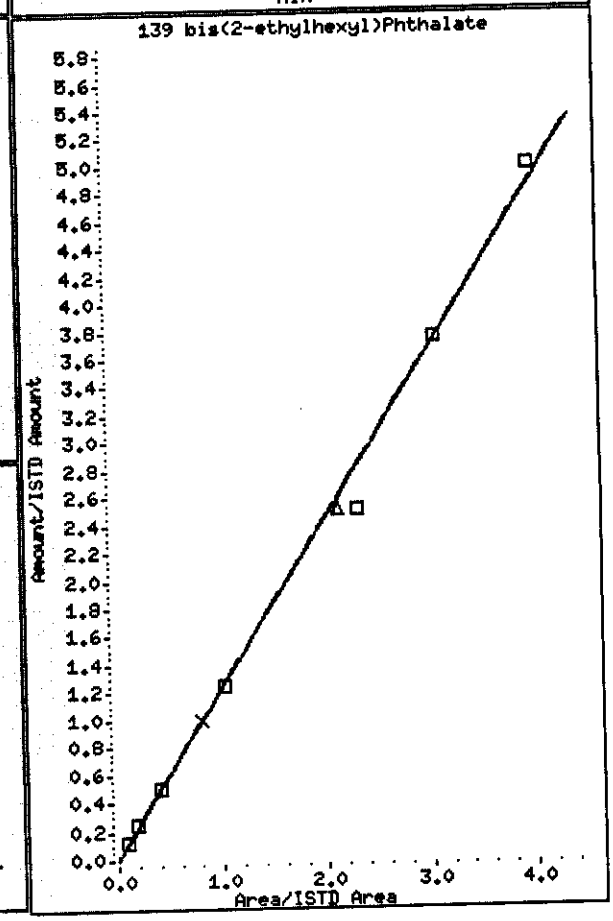
139 bis(2-ethylhexyl)Phthalate

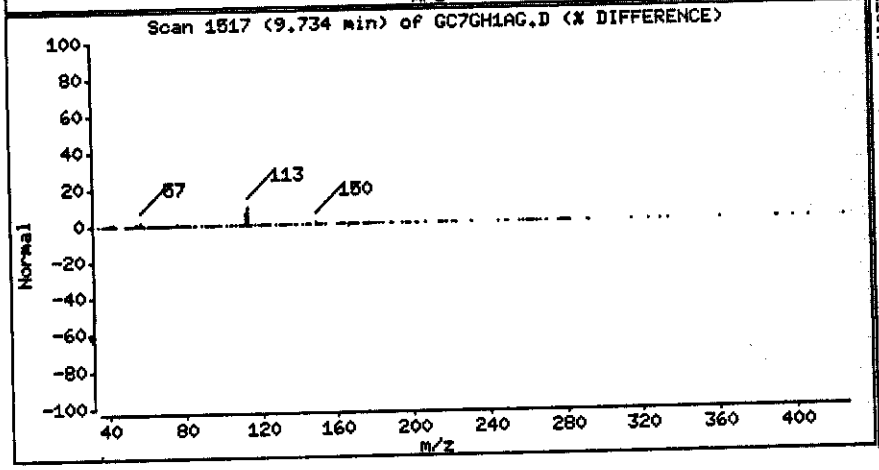












PAYNE FIRM INC.

Client Sample ID: MW31D/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-003 Work Order #...: GC7GK1AG Matrix.....: WG
Date Sampled...: 03/29/04 15:25 Date Received..: 03/30/04
Prep Date.....: 04/01/04 Analysis Date..: 04/08/04
Prep Batch #...: 4091574
Dilution Factor: 1 Initial Wgt/Vol: 1030 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW31D/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-003 **Work Order #...:** GC7GK1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW31D/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-003 **Work Order #...:** GC7GK1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

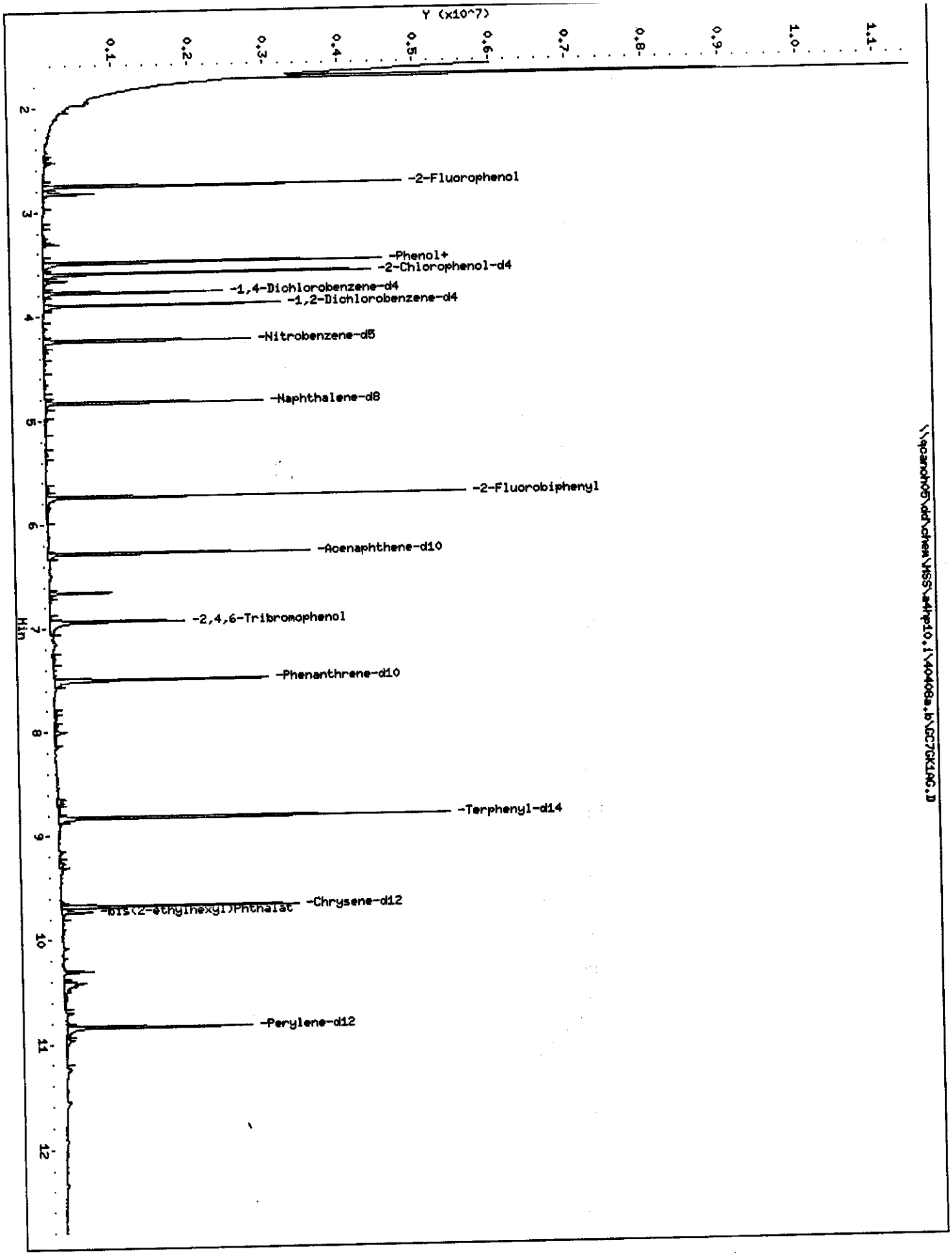
Client Sample ID: MW31D/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-003 **Work Order #...:** GC7GK1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(32 - 112)
2-Fluorobiphenyl	69	(30 - 110)
Terphenyl-d14	72	(10 - 144)
Phenol-d5	61	(10 - 113)
2-Fluorophenol	60	(13 - 110)
2,4,6-Tribromophenol	63	(21 - 122)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1.1
2
3
4
5
6
7
8
9
10
11
12
Min
-2-Fluorophenol
-Phenol+
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-bis(2-ethylhexyl)Phthalat
-Perylene-d12
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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Inj Date : 08-APR-2004 16:47
Operator : 046900 Inst ID: a4hp10.i
Smp Info : gc7gk1ag,40408a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 12-Apr-2004 10:16 ulmanm Quant Type: ISTD
Cal Date : 08-APR-2004 11:20 Cal File: 1THHH0408.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1030.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.777	3.777	(1.000)	239351	2.00000	
* 2 Naphthalene-d8	136	4.829	4.835	(1.000)	1026385	2.00000	
* 3 Acenaphthene-d10	164	6.282	6.288	(1.000)	555942	2.00000	
* 4 Phenanthrene-d10	188	7.500	7.506	(1.000)	941268	2.00000	
* 5 Chrysene-d12	240	9.680	9.691	(1.000)	973639	2.00000	
* 6 Perylene-d12	264	10.839	10.845	(1.000)	693577	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
22 Phenol	94	3.499	3.504	(0.926)	31693	0.10315	0.40057(Q)
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

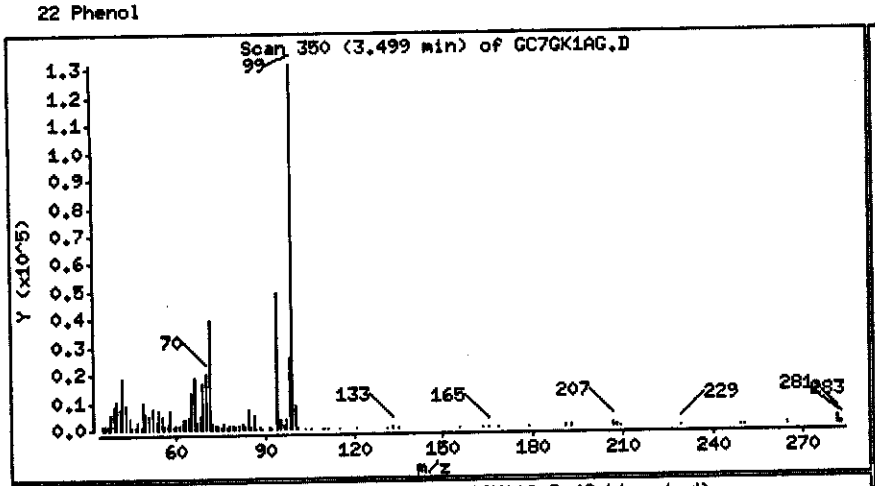
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

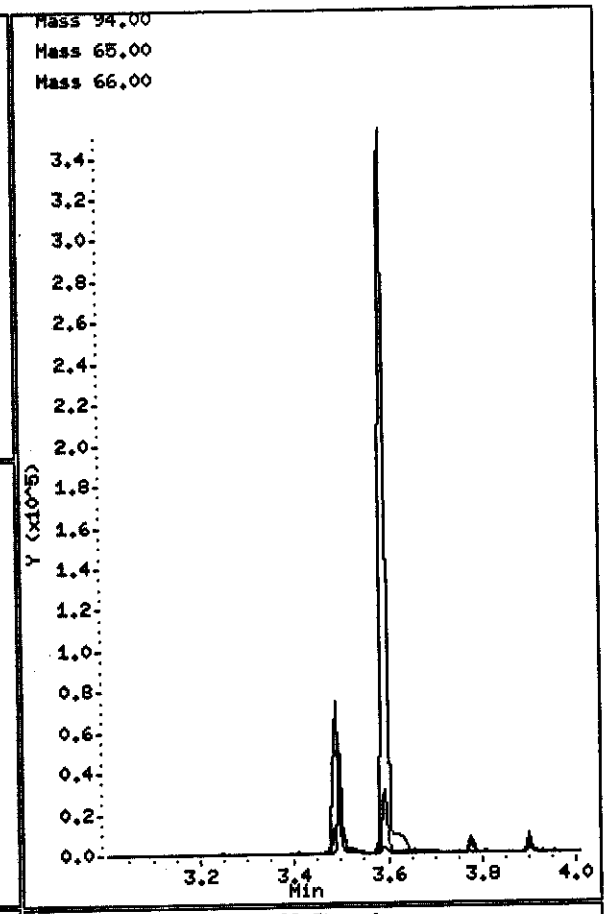
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
M 229 Famphur,Total	100	Compound Not Detected.					
230 Famphur 2	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	9.733	9.739	(1.006)	68969	0.17198	0.66787(Q)
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.241	4.247	(0.878)	928479	3.73786	14.516
$ 155 2-Fluorobiphenyl	172	5.737	5.743	(0.913)	1196158	3.46856	13.470
$ 156 Terphenyl-d14	244	8.830	8.831	(0.912)	1403327	3.60390	13.996
$ 157 Phenol-d5	99	3.488	3.494	(0.924)	1267595	4.58099	17.790
$ 158 2-Fluorophenol	112	2.756	2.746	(0.730)	863524	4.48273	17.409
$ 159 2,4,6-Tribromophenol	330	6.934	6.939	(1.104)	211768	4.76148	18.491
$ 186 2-Chlorophenol-d4	132	3.595	3.595	(0.952)	825178	4.83255	18.767
$ 187 1,2-Dichlorobenzene-d4	152	3.900	3.905	(1.033)	321373	3.34958	13.008(Q)
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	1.725	1.688	(0.457)	2539624	30.6016	118.84
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

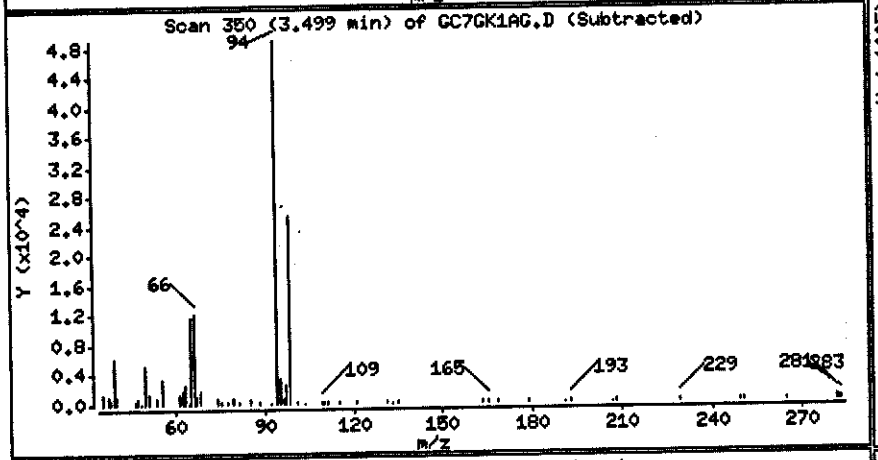
QC Flag Legend

Q - Qualifier signal failed the ratio test.

22 Phenol


Scan 350 (3.499 min) of GC7GK1AG.D
Y (x10^5)
m/z


Mass 94.00
Mass 65.00
Mass 66.00
Y (x10^5)
Min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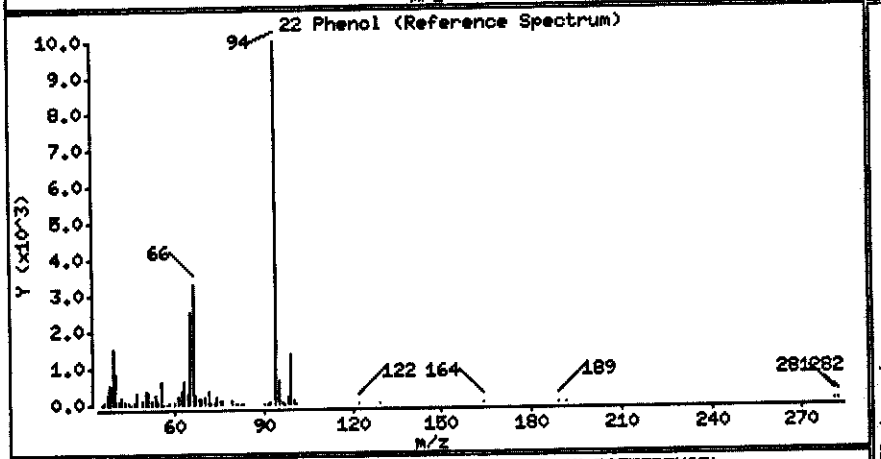
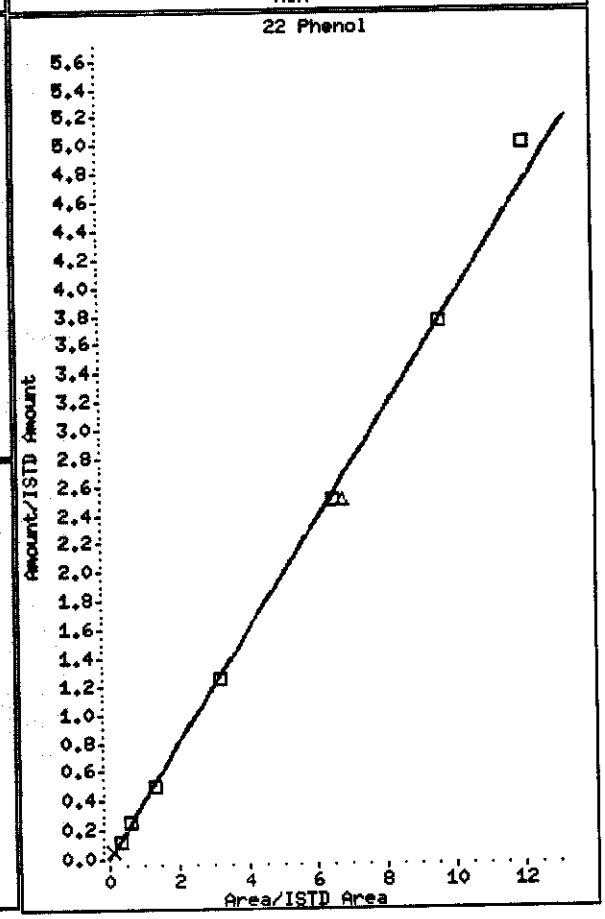
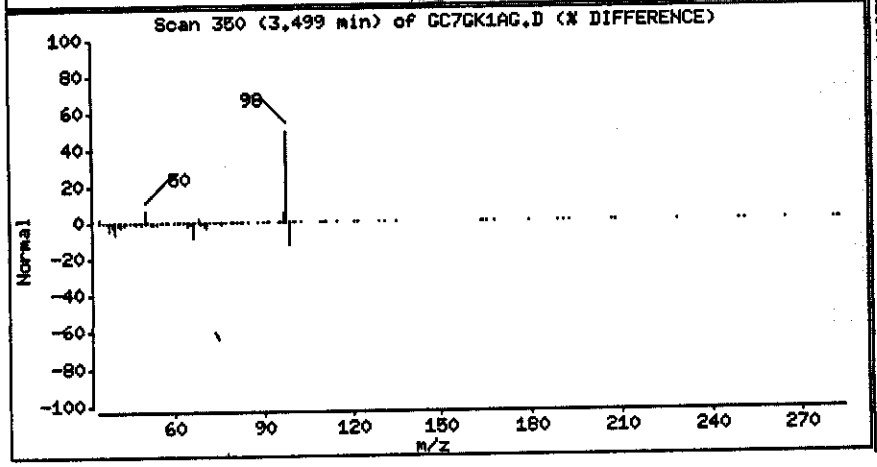
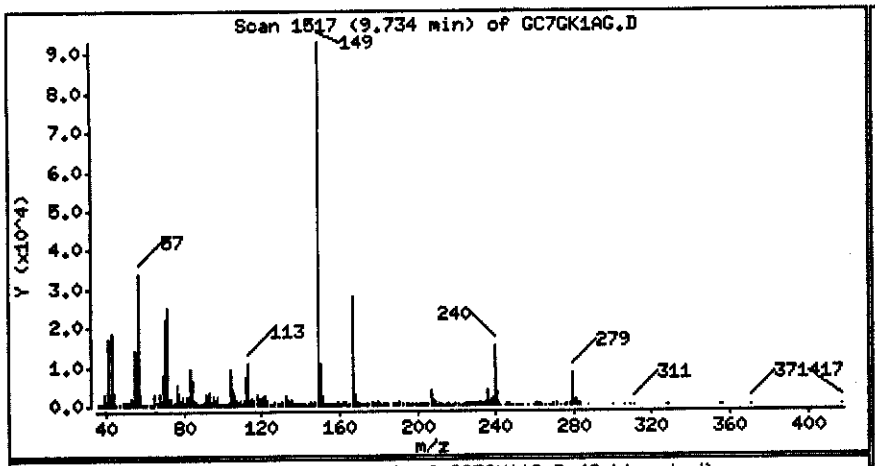
Y (x10^4)
m/z

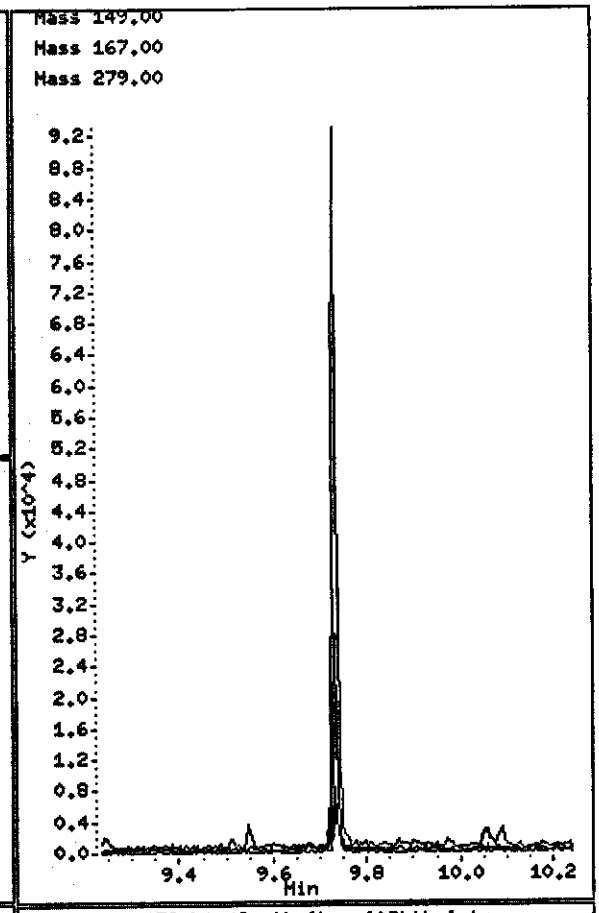

22 Phenol (Reference Spectrum)
Y (x10^3)
m/z

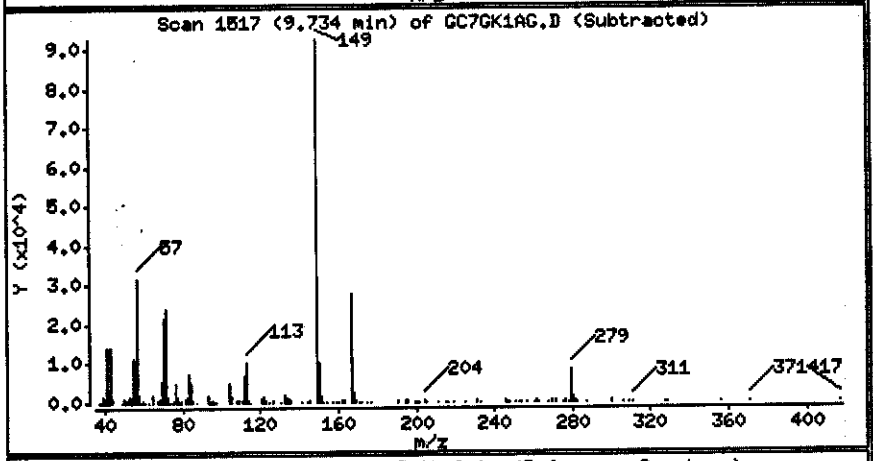

22 Phenol
Amount/ISTD Amount
Area/ISTD Area

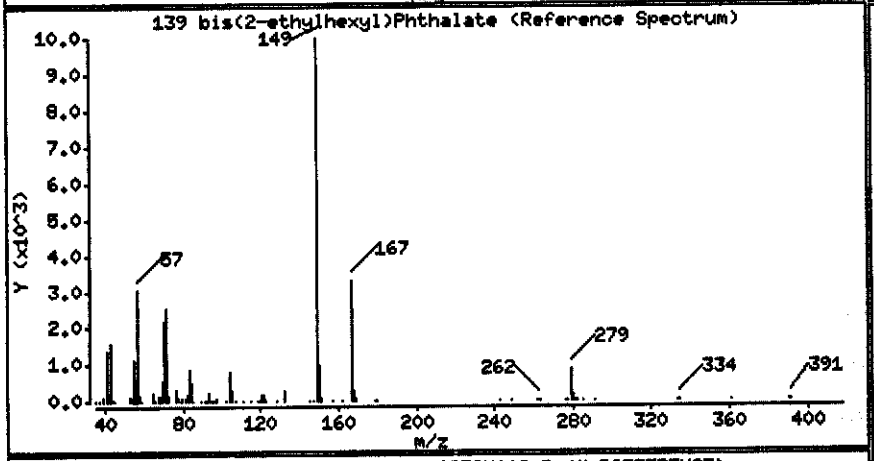

Scan 350 (3.499 min) of GC7GK1AG.D (% DIFFERENCE)
Normal
m/z

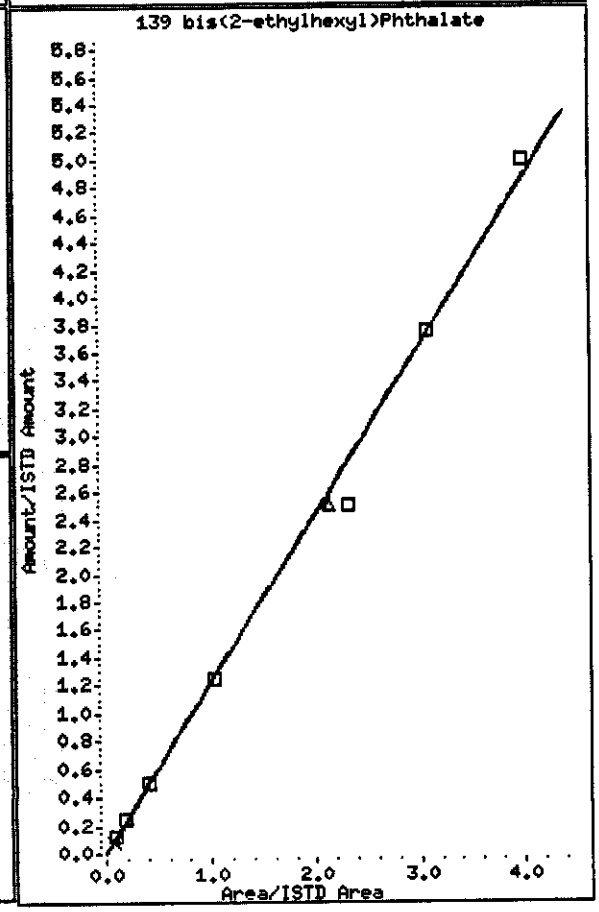
139 bis(2-ethylhexyl)Phthalate

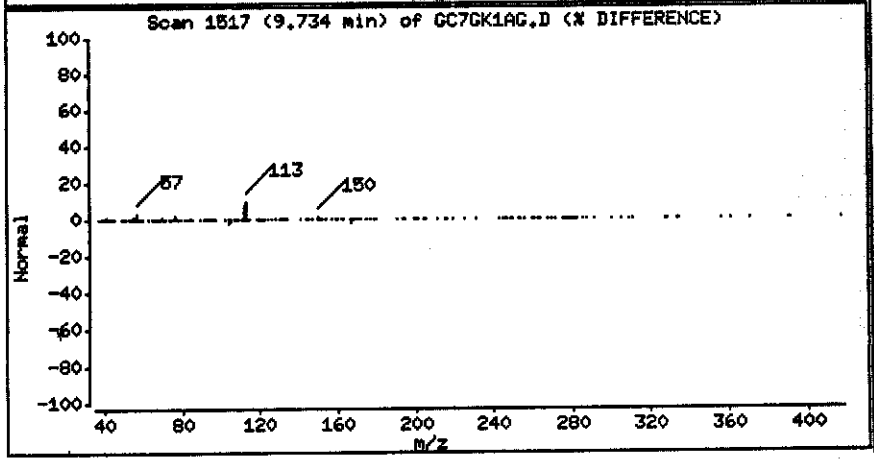




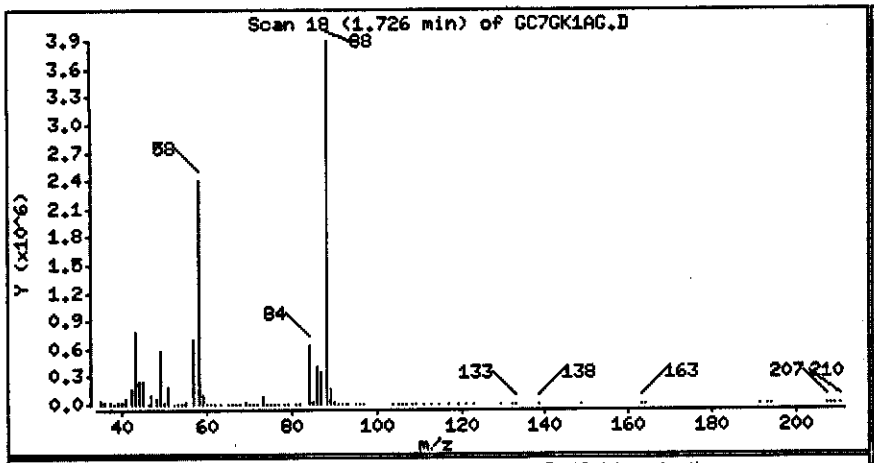


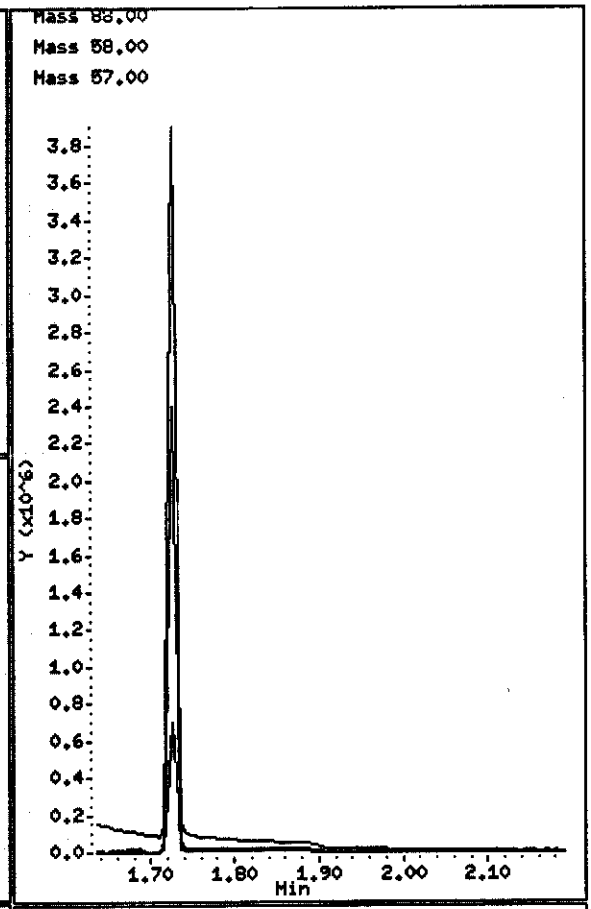


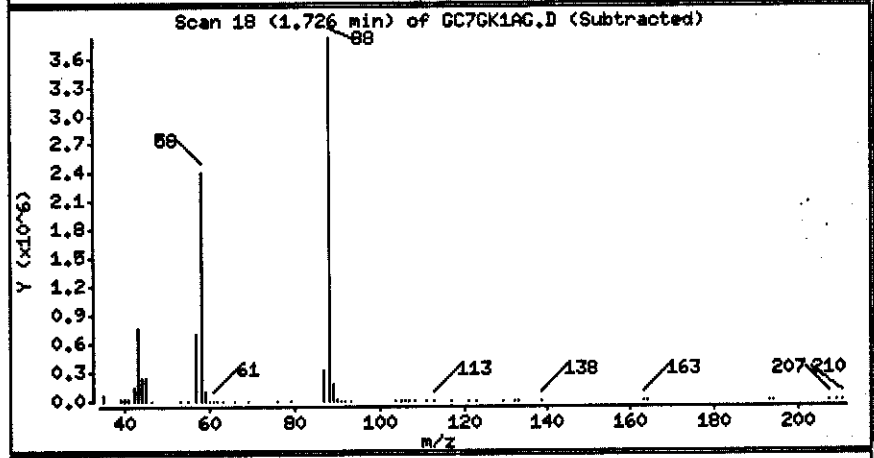


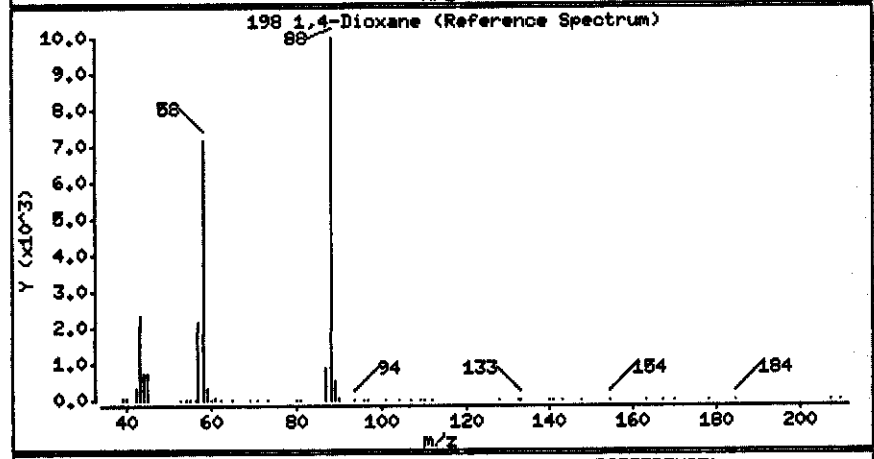


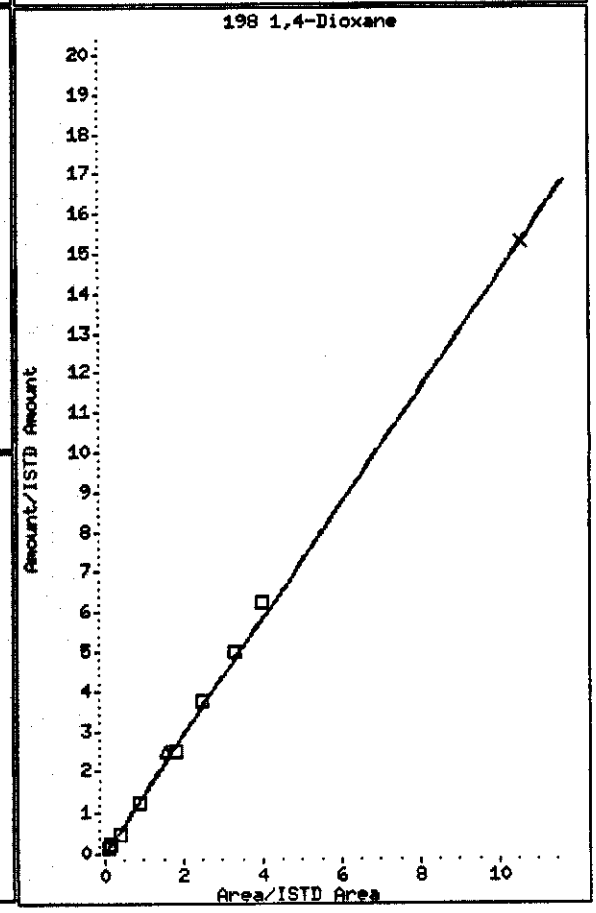
198 1,4-Dioxane

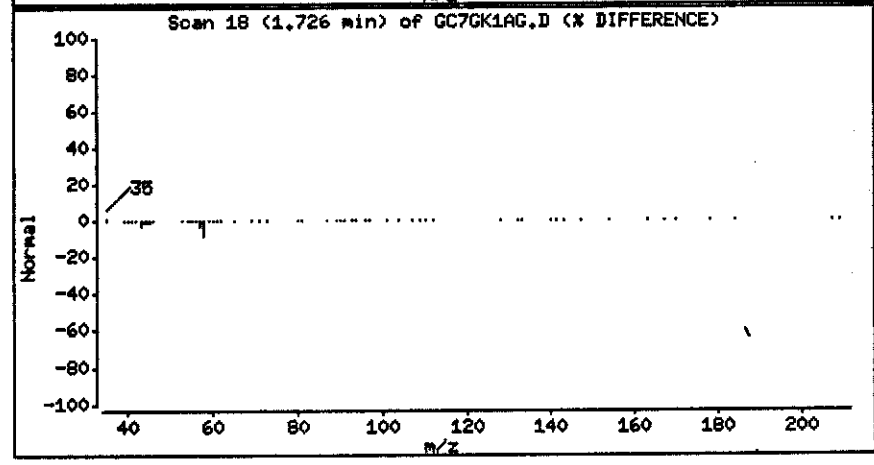












PAYNE FIRM INC.

Client Sample ID: MW31A/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-004 Work Order #...: GC7GL1AG Matrix.....: WG
Date Sampled...: 03/29/04 15:07 Date Received..: 03/30/04
Prep Date.....: 03/31/04 Analysis Date..: 04/07/04
Prep Batch #...: 4090705
Dilution Factor: 1 Initial Wgt/Vol: 1030 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW31A/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-004 Work Order #...: GC7GL1AG Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW31A/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-004 **Work Order #...:** GC7GL1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

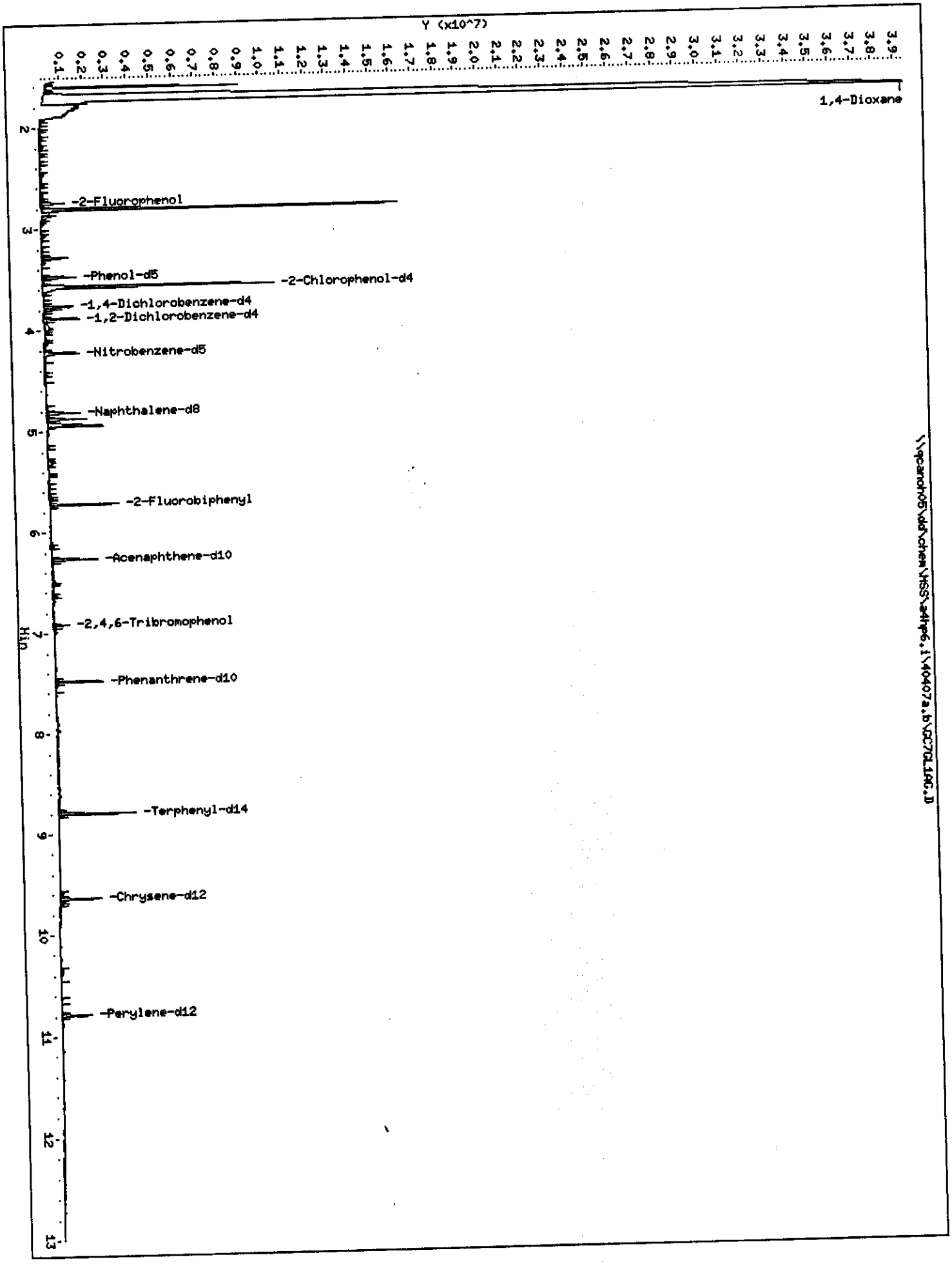
Client Sample ID: MW31A/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-004 **Work Order #...:** GC7GL1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(32 - 112)
2-Fluorobiphenyl	64	(30 - 110)
Terphenyl-d14	72	(10 - 144)
Phenol-d5	35	(10 - 113)
2-Fluorophenol	35	(13 - 110)
2,4,6-Tribromophenol	28	(21 - 122)


Y (x10^7)
1,4-Dioxane
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12
Min
\\qcandh05\dd\chem\HSS\a4pp6.i\40407a.b\QC7GL1AG.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Inj Date : 07-APR-2004 16:36
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gc7gl1ag,40407a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
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Meth Date : 08-Apr-2004 14:01 gruberj Quant Type: ISTD
Cal Date : 06-APR-2004 18:18 Cal File: 6AHHH406.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1030.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.757	3.759	(1.000)	125082	2.00000	
* 2 Naphthalene-d8	136	4.814	4.819	(1.000)	510645	2.00000	
* 3 Acenaphthene-d10	164	6.264	6.269	(1.000)	291184	2.00000	
* 4 Phenanthrene-d10	188	7.481	7.483	(1.000)	524754	2.00000	
* 5 Chrysene-d12	240	9.636	9.640	(1.000)	491880	2.00000	
* 6 Perylene-d12	264	10.783	10.785	(1.000)	324351	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

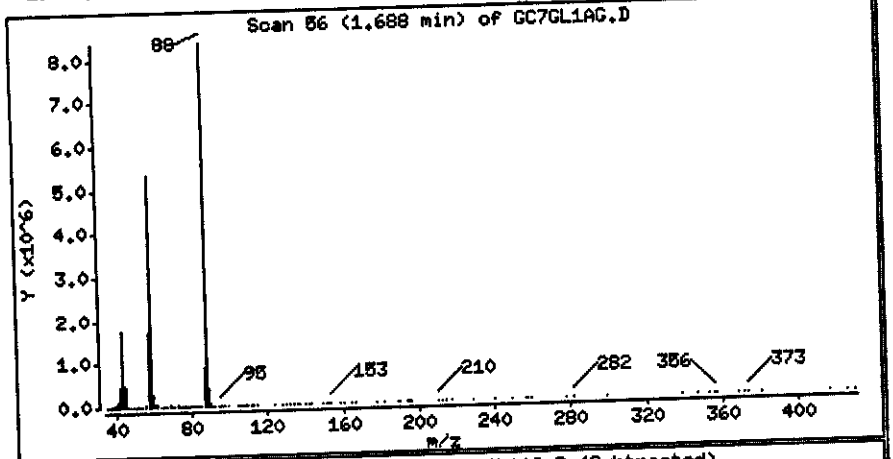
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

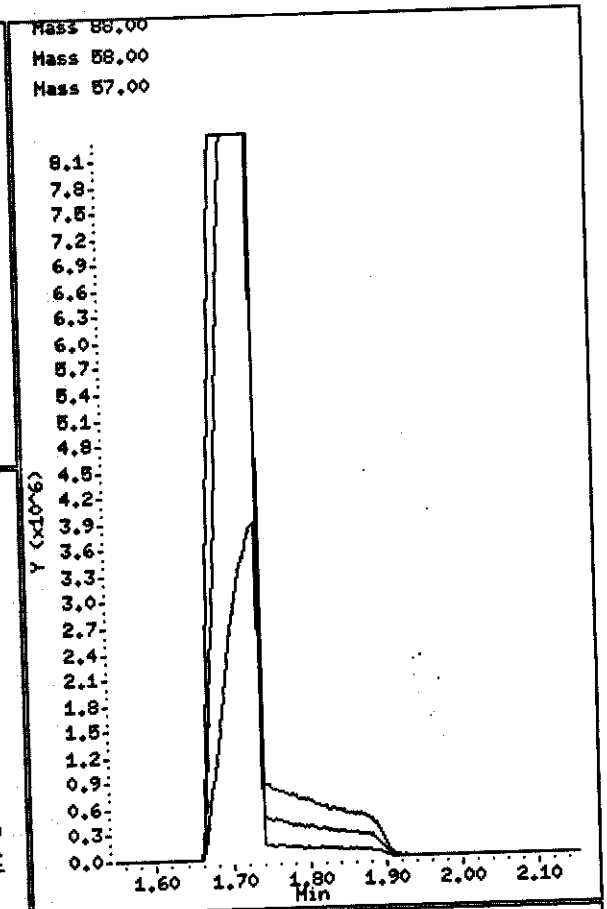
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.225	4.233	(0.878)	524467	3.19836	12.421
$ 155 2-Fluorobiphenyl	172	5.722	5.727	(0.913)	626643	3.19758	12.418
$ 156 Terphenyl-d14	244	8.792	8.794	(0.912)	674495	3.58909	13.938
$ 157 Phenol-d5	99	3.472	3.471	(0.924)	363728	2.64534	10.273
$ 158 2-Fluorophenol	112	2.742	2.723	(0.730)	231161	2.59660	10.084
$ 159 2,4,6-Tribromophenol	330	6.915	6.920	(1.104)	42881	2.08123	8.0824
$ 186 2-Chlorophenol-d4	132	3.575	3.574	(0.951)	220446	2.67738	10.398
$ 187 1,2-Dichlorobenzene-d4	152	3.883	3.885	(1.034)	147199	2.96984	11.533
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	1.687	1.653	(0.449)	38805774	748.570	2907.1(QM)
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

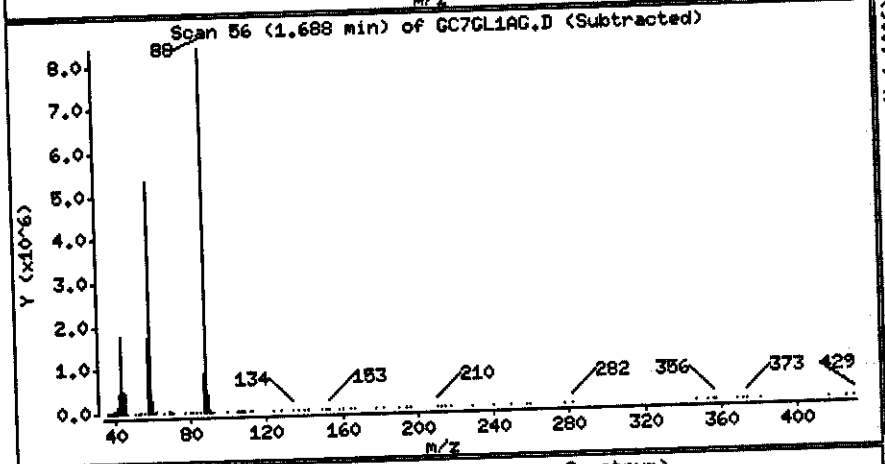
QC Flag Legend

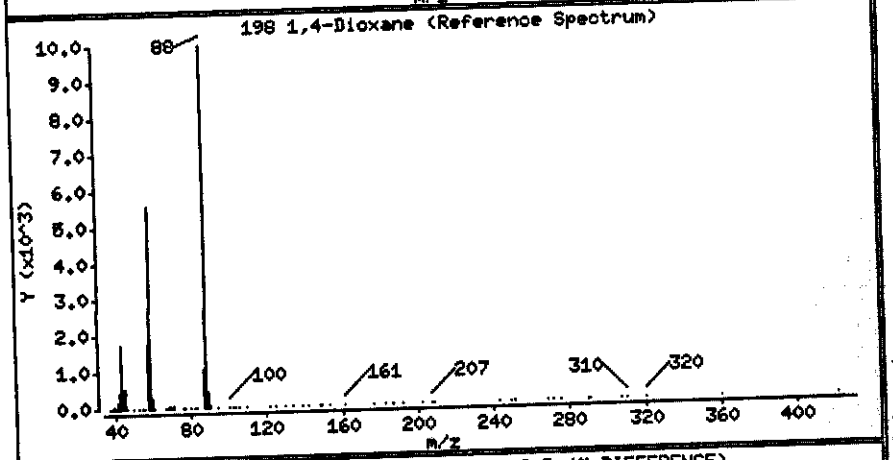
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

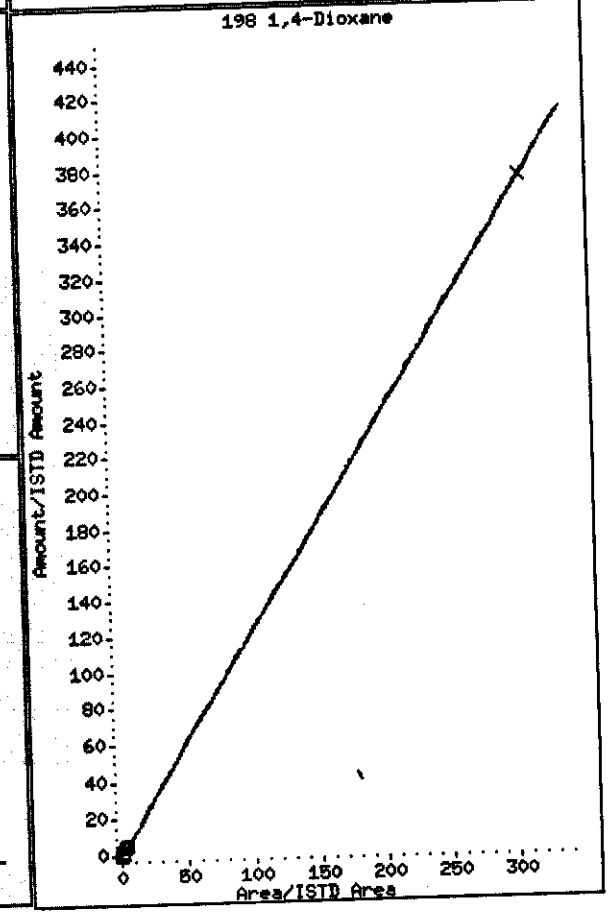
198 1,4-Dioxane

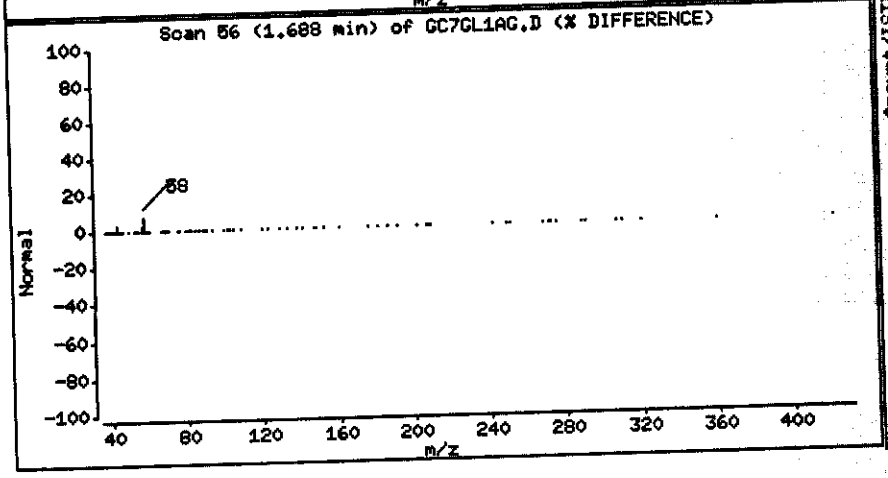












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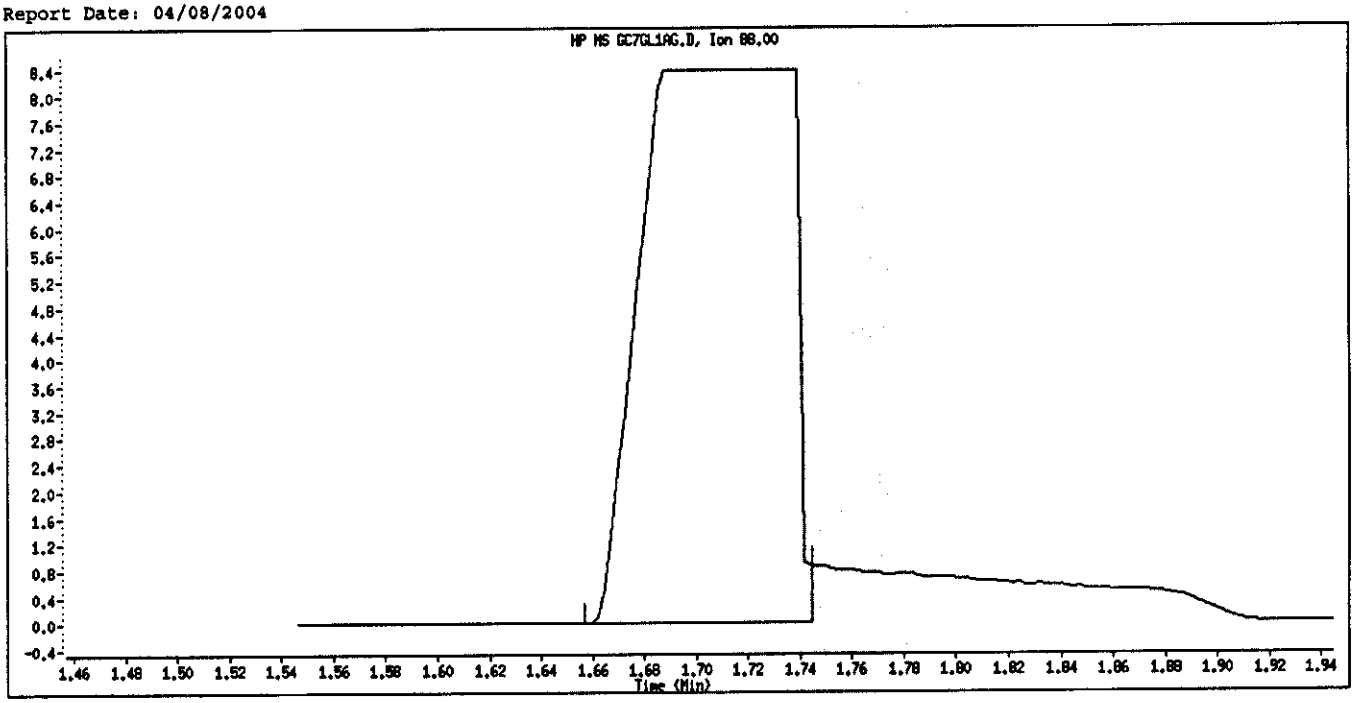
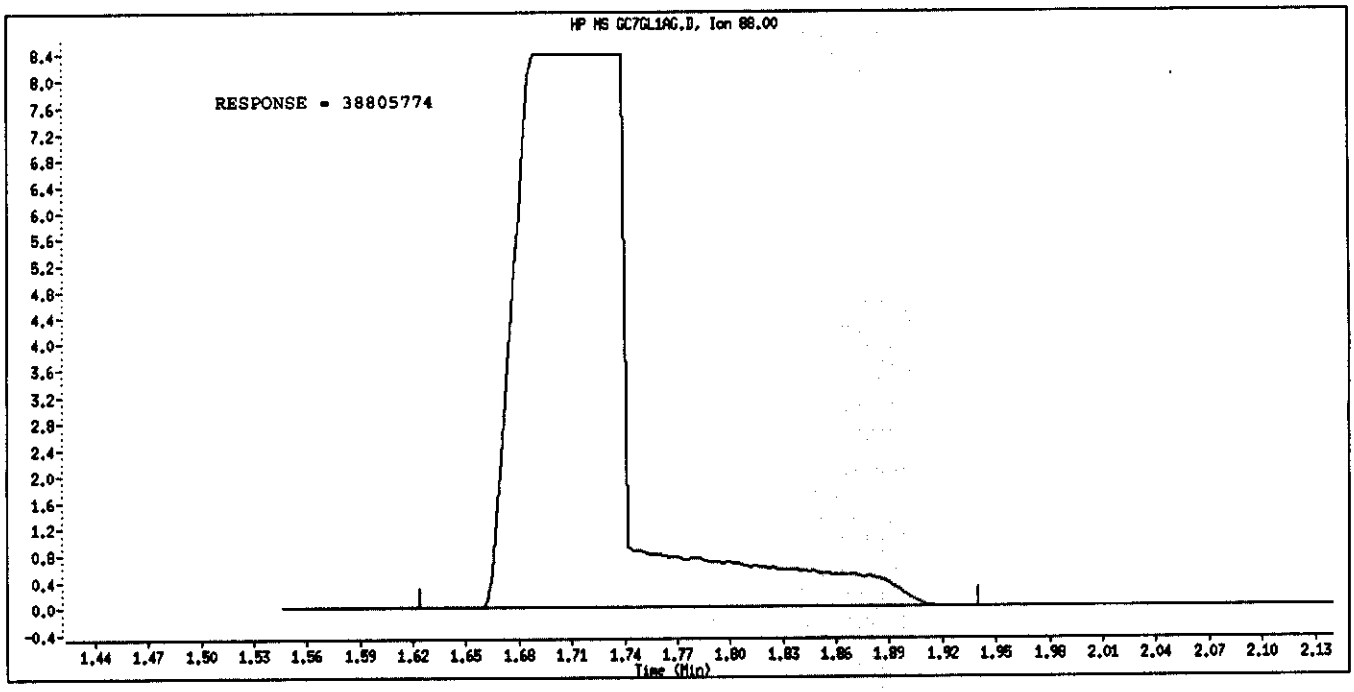
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/08/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

PAYNE FIRM INC.

Client Sample ID: MW30/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-005 **Work Order #...:** GC7GM1AG **Matrix.....:** WG
Date Sampled...: 03/29/04 14:15 **Date Received..:** 03/30/04
Prep Date.....: 03/31/04 **Analysis Date..:** 04/07/04
Prep Batch #...: 4090705
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW30/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-005 **Work Order #...:** GC7GM1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW30/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-005 Work Order #...: GC7GM1AG Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

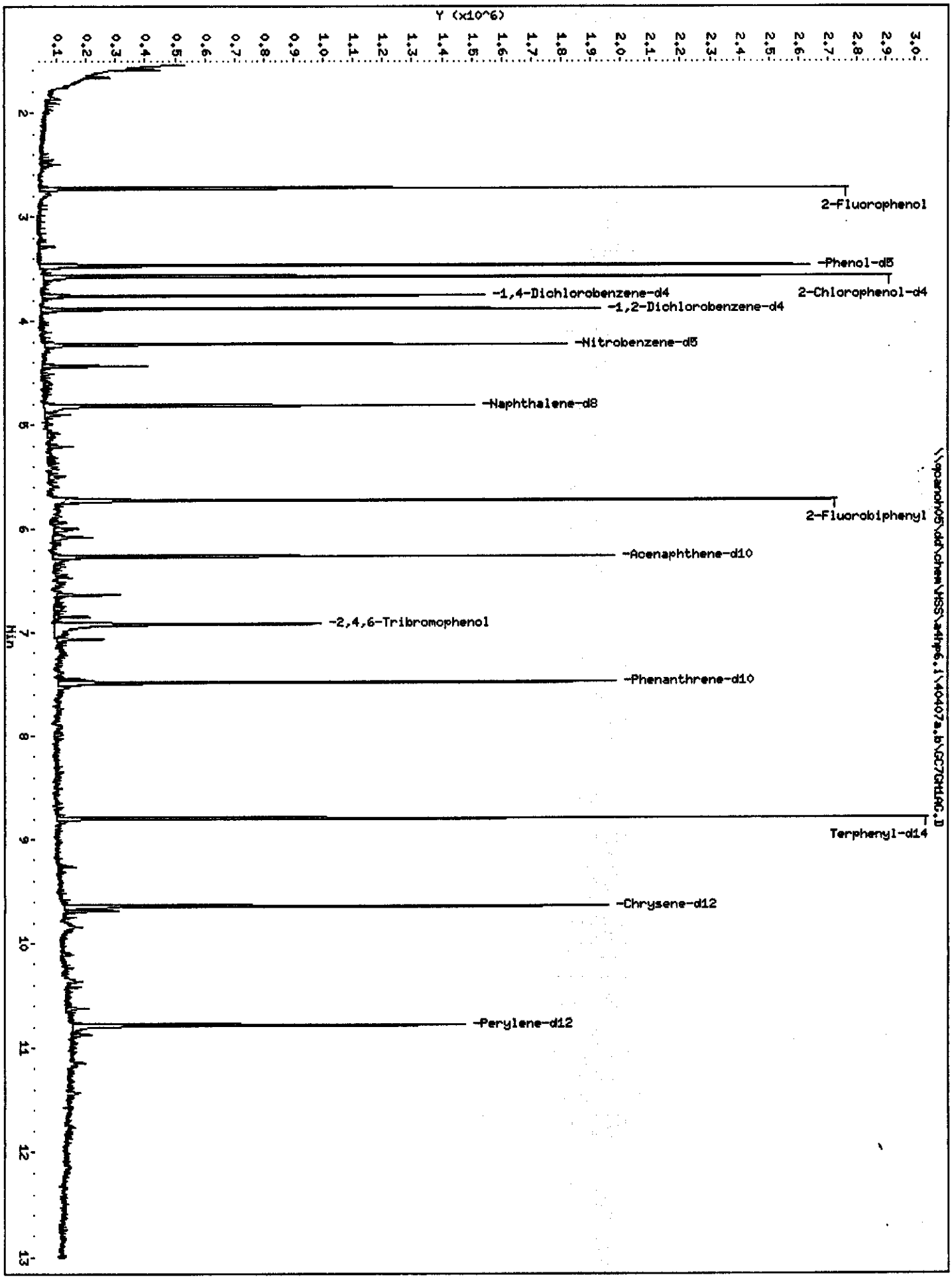
Client Sample ID: MW30/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-005 **Work Order #...:** GC7GM1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	68	(32 - 112)
2-Fluorobiphenyl	62	(30 - 110)
Terphenyl-d14	65	(10 - 144)
Phenol-d5	59	(10 - 113)
2-Fluorophenol	64	(13 - 110)
2,4,6-Tribromophenol	50	(21 - 122)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2
3
4
5
6
7
8
9
10
11
12
13
Min
2-Fluorophenol
-Phenol-d5
2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12
-Perylene-d12
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Report Date: 08-Apr-2004 14:05

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Inj Date : 07-APR-2004 15:35
Inst ID: a4hp6.i
Operator : 001710
Smp Info : gc7gm1ag,40407a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
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Meth Date : 08-Apr-2004 14:01 gruberj
Quant Type: ISTD
Cal Date : 06-APR-2004 18:18
Cal File: 6AHHH406.D
Als bottle: 18
Dil Factor: 1.00000
Compound Sublist: 5-8270ap9.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1030.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.759	3.759	(1.000)	135588	2.00000	
* 2 Naphthalene-d8	136	4.816	4.819	(1.000)	473346	2.00000	
* 3 Acenaphthene-d10	164	6.266	6.269	(1.000)	278523	2.00000	
* 4 Phenanthrene-d10	188	7.480	7.483	(1.000)	520632	2.00000	
* 5 Chrysene-d12	240	9.637	9.640	(1.000)	487136	2.00000	
* 6 Perylene-d12	264	10.782	10.785	(1.000)	330247	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.227	4.233	(0.878)	520381	3.42351	13.295
$ 155 2-Fluorobiphenyl	172	5.724	5.727	(0.913)	577055	3.07840	11.955
$ 156 Terphenyl-d14	244	8.791	8.794	(0.912)	606932	3.26103	12.664
$ 157 Phenol-d5	99	3.466	3.471	(0.922)	654298	4.38990	17.048
$ 158 2-Fluorophenol	112	2.728	2.723	(0.726)	462227	4.78982	18.601
$ 159 2,4,6-Tribromophenol	330	6.919	6.920	(1.104)	73732	3.74125	14.529
$ 186 2-Chlorophenol-d4	132	3.574	3.574	(0.951)	401295	4.49620	17.461
$ 187 1,2-Dichlorobenzene-d4	152	3.885	3.885	(1.034)	158818	2.95598	11.480
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

PAYNE FIRM INC.

Client Sample ID: MW15B/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-006 **Work Order #...:** GC7GN1AG **Matrix.....:** WG
Date Sampled...: 03/29/04 10:40 **Date Received..:** 03/30/04
Prep Date.....: 03/31/04 **Analysis Date..:** 04/07/04
Prep Batch #...: 4090705
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW15B/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-006 **Work Order #...:** GC7GN1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW15B/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-006 **Work Order #...:** GC7GN1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

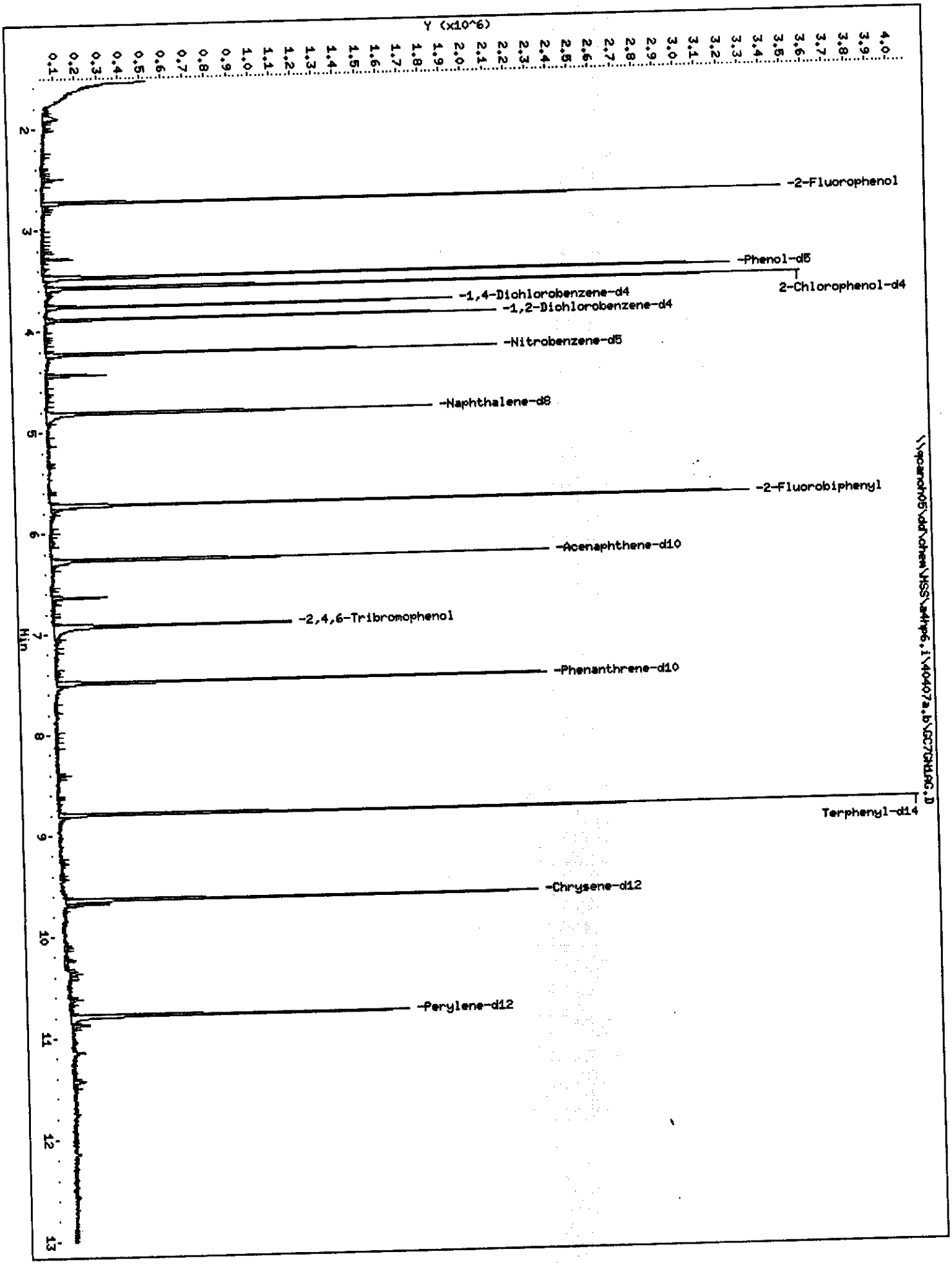
Client Sample ID: MW15B/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-006 **Work Order #...:** GC7GN1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	70	(32 - 112)
2-Fluorobiphenyl	59	(30 - 110)
Terphenyl-d14	72	(10 - 144)
Phenol-d5	60	(10 - 113)
2-Fluorophenol	64	(13 - 110)
2,4,6-Tribromophenol	49	(21 - 122)


Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12
-Perylene-d12
\\pcandh05\dd\chem\HSS\a4hp6.i\40407a.b\GC7GH06.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\GC7GN1AG.D
Lab Smp Id: GC7GN1AG
Client Smp ID: MW15B/032904
Inj Date : 07-APR-2004 15:55
Operator : 001710
Inst ID: a4hp6.i
Smp Info : gc7gn1ag,40407a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 14:01 gruberj
Quant Type: ISTD
Cal Date : 06-APR-2004 18:18
Cal File: 6AHHH406.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1030.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.759	3.759	(1.000)	164427	2.00000	
* 2 Naphthalene-d8	136	4.816	4.819	(1.000)	588426	2.00000	
* 3 Acenaphthene-d10	164	6.266	6.269	(1.000)	359880	2.00000	
* 4 Phenanthrene-d10	188	7.482	7.483	(1.000)	662702	2.00000	
* 5 Chrysene-d12	240	9.637	9.640	(1.000)	607388	2.00000	
* 6 Perylene-d12	264	10.782	10.785	(1.000)	402427	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.227	4.233	(0.878)	665393	3.52139	13.675
$ 155 2-Fluorobiphenyl	172	5.724	5.727	(0.913)	714145	2.94847	11.450
$ 156 Terphenyl-d14	244	8.794	8.794	(0.912)	839263	3.61657	14.045
$ 157 Phenol-d5	99	3.468	3.471	(0.923)	819445	4.53364	17.606
$ 158 2-Fluorophenol	112	2.730	2.723	(0.726)	562612	4.80752	18.670
$ 159 2,4,6-Tribromophenol	330	6.917	6.920	(1.104)	94018	3.69211	14.338
$ 186 2-Chlorophenol-d4	132	3.574	3.574	(0.951)	510144	4.71327	18.304
$ 187 1,2-Dichlorobenzene-d4	152	3.885	3.885	(1.034)	188027	2.88582	11.207
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

PAYNE FIRM INC.

Client Sample ID: MW31C/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-007 **Work Order #...:** GC7GP1AG **Matrix.....:** WG
Date Sampled...: 03/29/04 15:35 **Date Received..:** 03/30/04
Prep Date.....: 03/31/04 **Analysis Date..:** 04/07/04
Prep Batch #...: 4090705
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW31C/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-007 **Work Order #...:** GC7GP1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW31C/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-007 **Work Order #...:** GC7GP1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

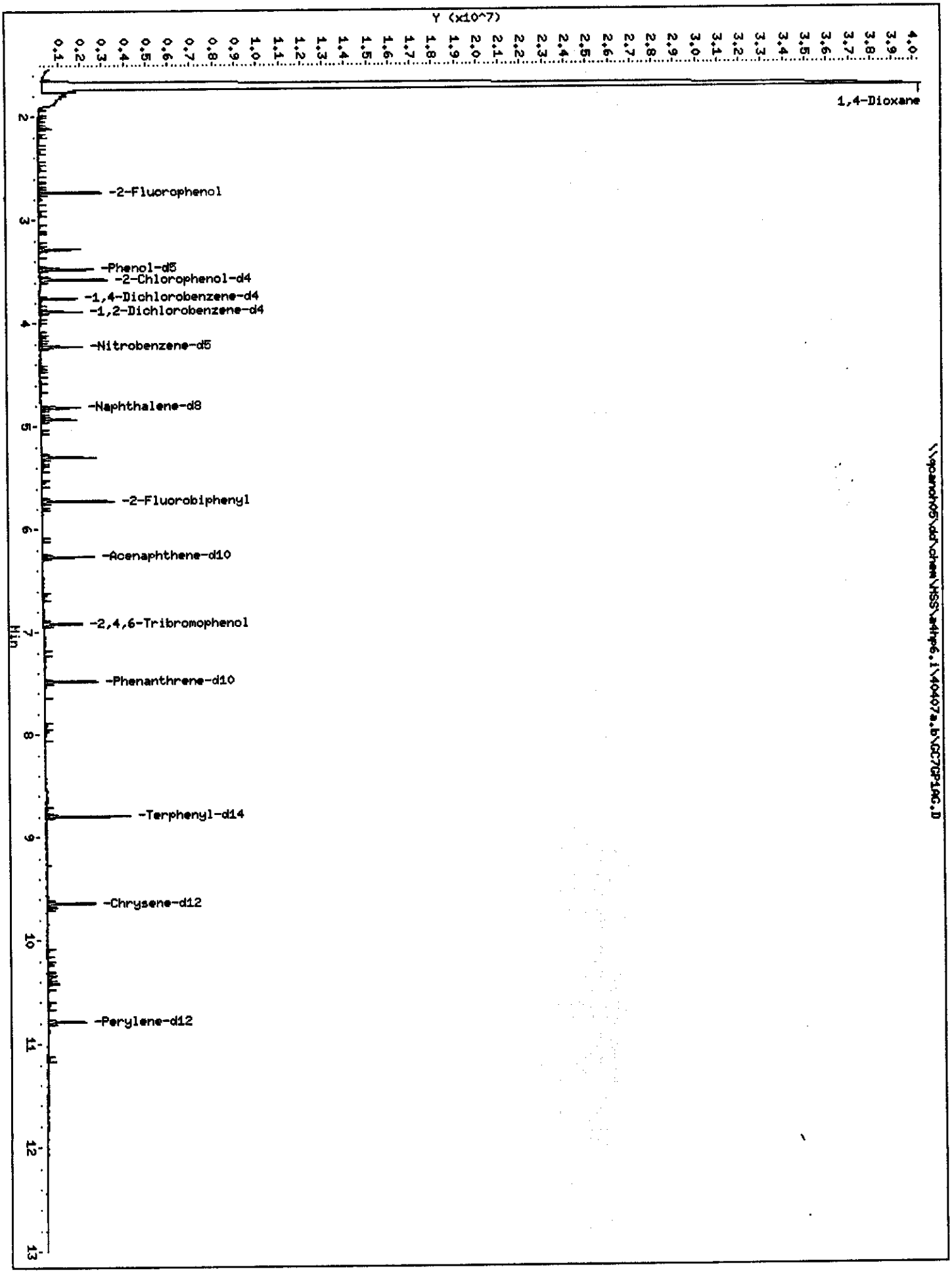
Client Sample ID: MW31C/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-007 **Work Order #...:** GC7GP1AG **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	63	(32 - 112)
2-Fluorobiphenyl	61	(30 - 110)
Terphenyl-d14	69	(10 - 144)
Phenol-d5	56	(10 - 113)
2-Fluorophenol	61	(13 - 110)
2,4,6-Tribromophenol	60	(21 - 122)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1,4-Dioxane
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12
Min
\\pcanxh05\dd\chem\HSS\a4tp6.i\40407a.b\GC7GP46G.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Operator : 001710 Inst ID: a4hp6.i
Smp Info : gc7gp1ag,40407a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 14:01 gruberj Quant Type: ISTD
Cal Date : 06-APR-2004 18:18 Cal File: 6AHHH406.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.757	3.759	(1.000)	150529	2.00000	
* 2 Naphthalene-d8	136	4.813	4.819	(1.000)	583887	2.00000	
* 3 Acenaphthene-d10	164	6.266	6.269	(1.000)	334351	2.00000	
* 4 Phenanthrene-d10	188	7.480	7.483	(1.000)	606758	2.00000	
* 5 Chrysene-d12	240	9.637	9.640	(1.000)	562480	2.00000	
* 6 Perylene-d12	264	10.784	10.785	(1.000)	383059	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalène	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

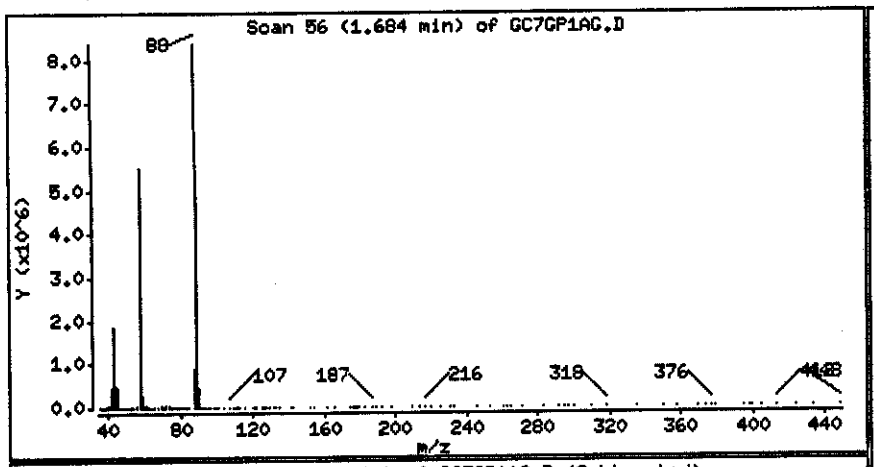
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73	2-Nitroaniline	65	Compound Not Detected.					
74	1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75	1,4-Naphthoquinone	158	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
77	m-Dinitrobenzene	168	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	Compound Not Detected.					
80	1,2-Dinitrobenzene	168	Compound Not Detected.					
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	Compound Not Detected.					
83	2,4-Dinitrophenol	184	Compound Not Detected.					
84	Pentachlorobenzene	250	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	Compound Not Detected.					
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89	1-Naphthylamine	143	Compound Not Detected.					
90	Zinophos	97	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
101	Diphenylamine	169	Compound Not Detected.					
102	Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103	Diallate 1	86	Compound Not Detected.					
M 189	Diallate, Total	100	Compound Not Detected.					
104	Phorate	121	Compound Not Detected.					
105	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	284	Compound Not Detected.					
212	Atrazine	200	Compound Not Detected.					
108	Phenacetin	108	Compound Not Detected.					
109	Diallate 2	86	Compound Not Detected.					
110	Dimethoate	87	Compound Not Detected.					
111	Pentachlorophenol	266	Compound Not Detected.					
112	Pentachloronitrobenzene	237	Compound Not Detected.					
113	4-Aminobiphenyl	169	Compound Not Detected.					
114	Pronamide	173	Compound Not Detected.					
115	Phenanthrene	178	Compound Not Detected.					
116	Anthracene	178	Compound Not Detected.					
117	Dinoseb	211	Compound Not Detected.					
118	Disulfoton	88	Compound Not Detected.					
119	Carbazole	167	Compound Not Detected.					
120	Di-n-Butylphthalate	149	Compound Not Detected.					
121	4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122	Methapyrilene	58	Compound Not Detected.					
123	Fluoranthene	202	Compound Not Detected.					
124	Benzidine	184	Compound Not Detected.					
125	Pyrene	202	Compound Not Detected.					

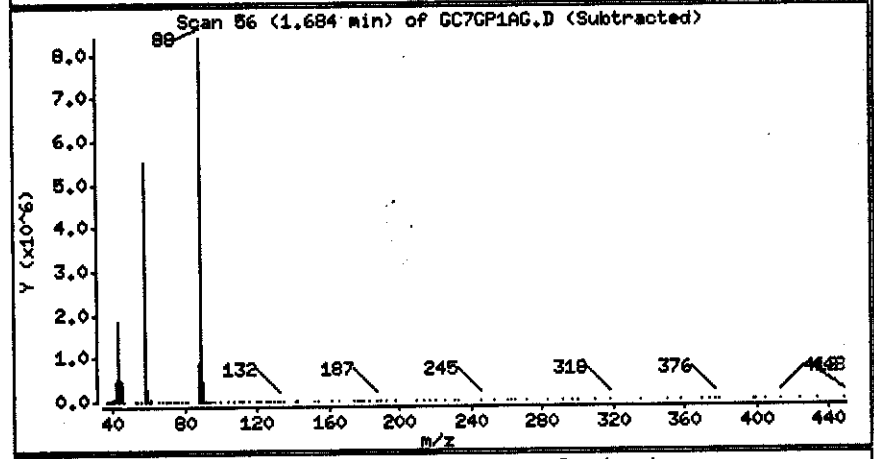
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.227	4.233	(0.878)	589027	3.14148	12.566
$ 155 2-Fluorobiphenyl	172	5.724	5.727	(0.913)	687770	3.05639	12.226
$ 156 Terphenyl-d14	244	8.791	8.794	(0.912)	739008	3.43880	13.755
$ 157 Phenol-d5	99	3.471	3.471	(0.924)	693780	4.19278	16.771
$ 158 2-Fluorophenol	112	2.733	2.723	(0.728)	491004	4.58300	18.332
$ 159 2,4,6-Tribromophenol	330	6.917	6.920	(1.104)	105995	4.48027	17.921
$ 186 2-Chlorophenol-d4	132	3.574	3.574	(0.951)	440313	4.44369	17.775
$ 187 1,2-Dichlorobenzene-d4	152	3.885	3.885	(1.034)	174985	2.93361	11.734
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	1.684	1.653	(0.448)	37840994	606.559	2426.2(QM)
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

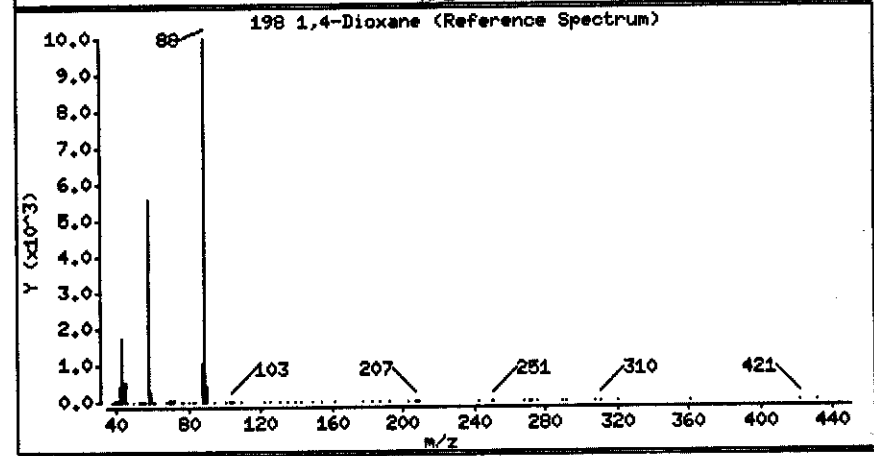
QC Flag Legend

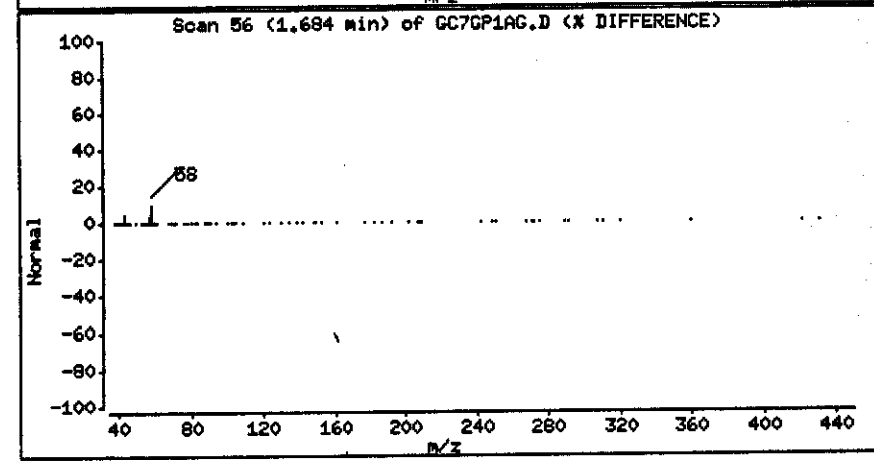
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

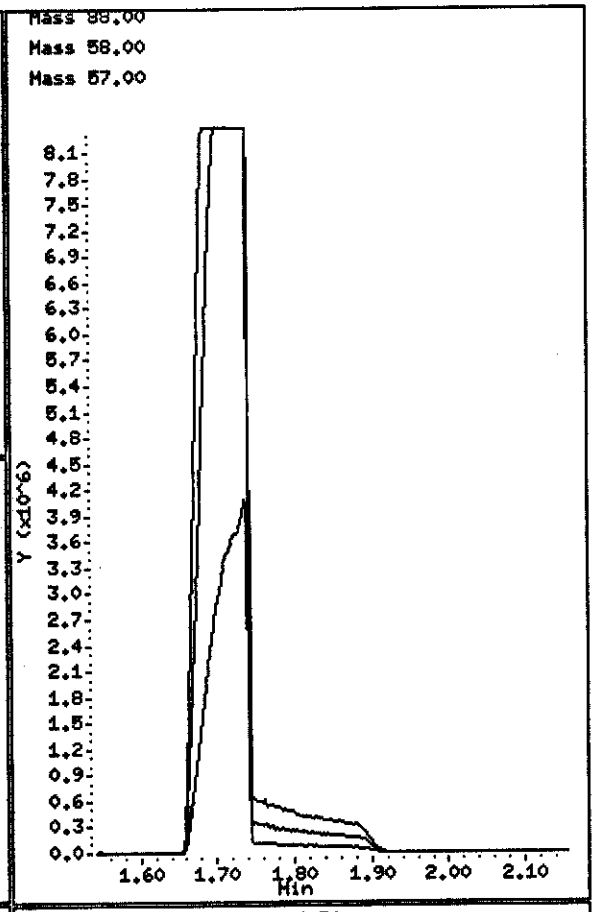
198 1,4-Dioxane

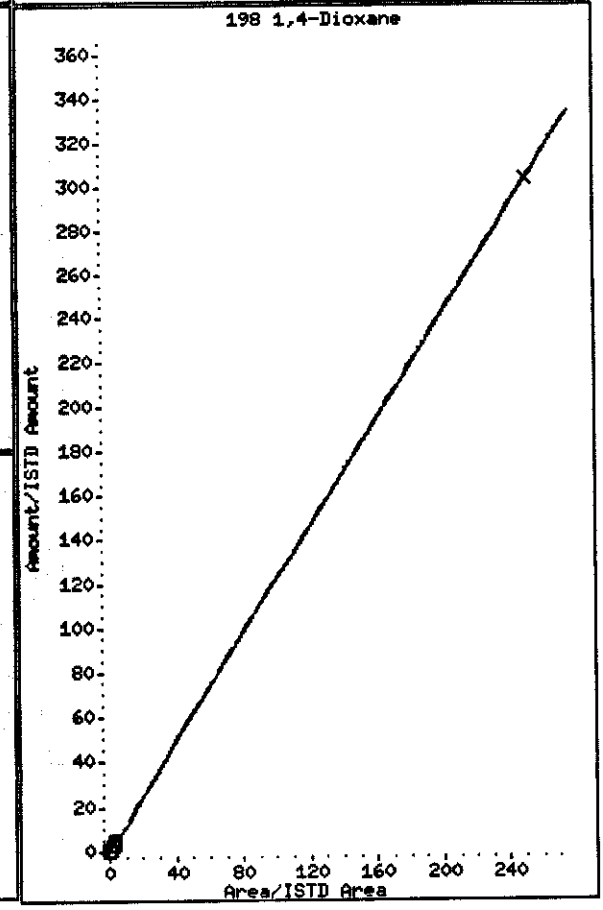












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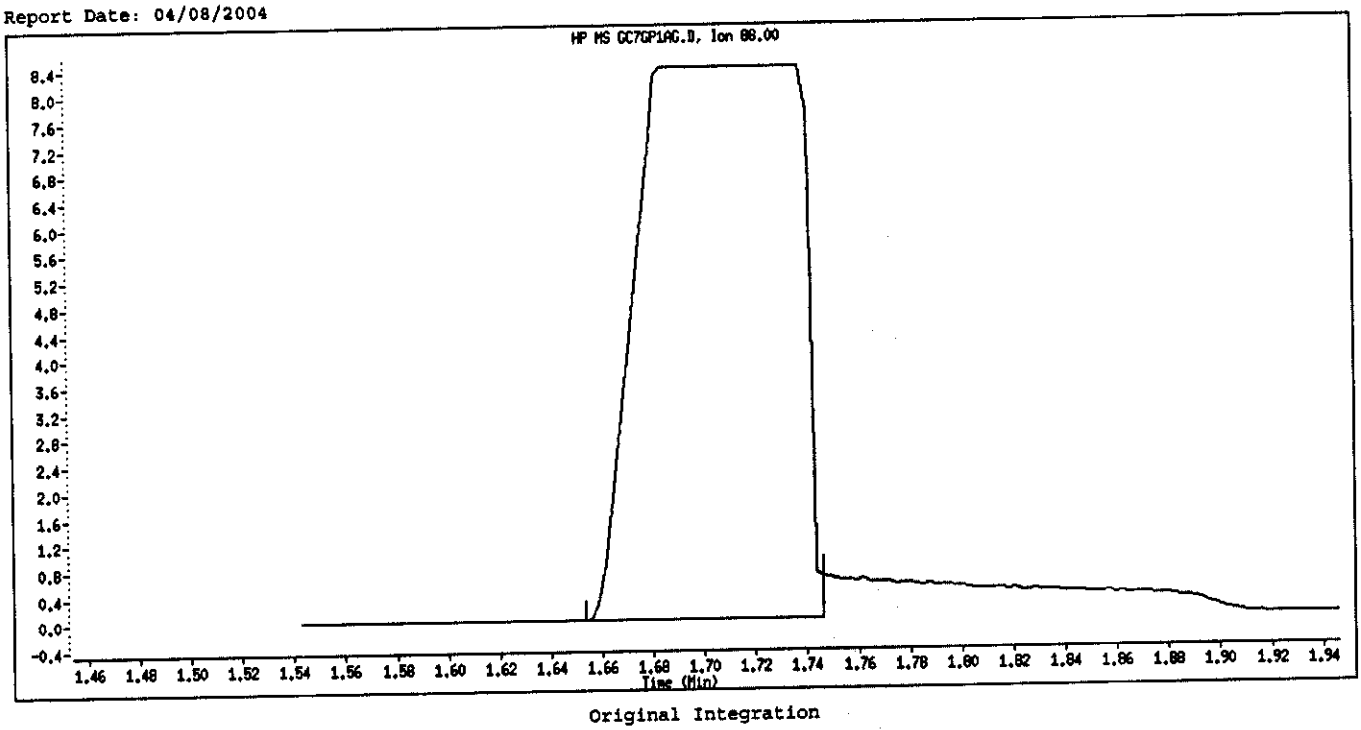
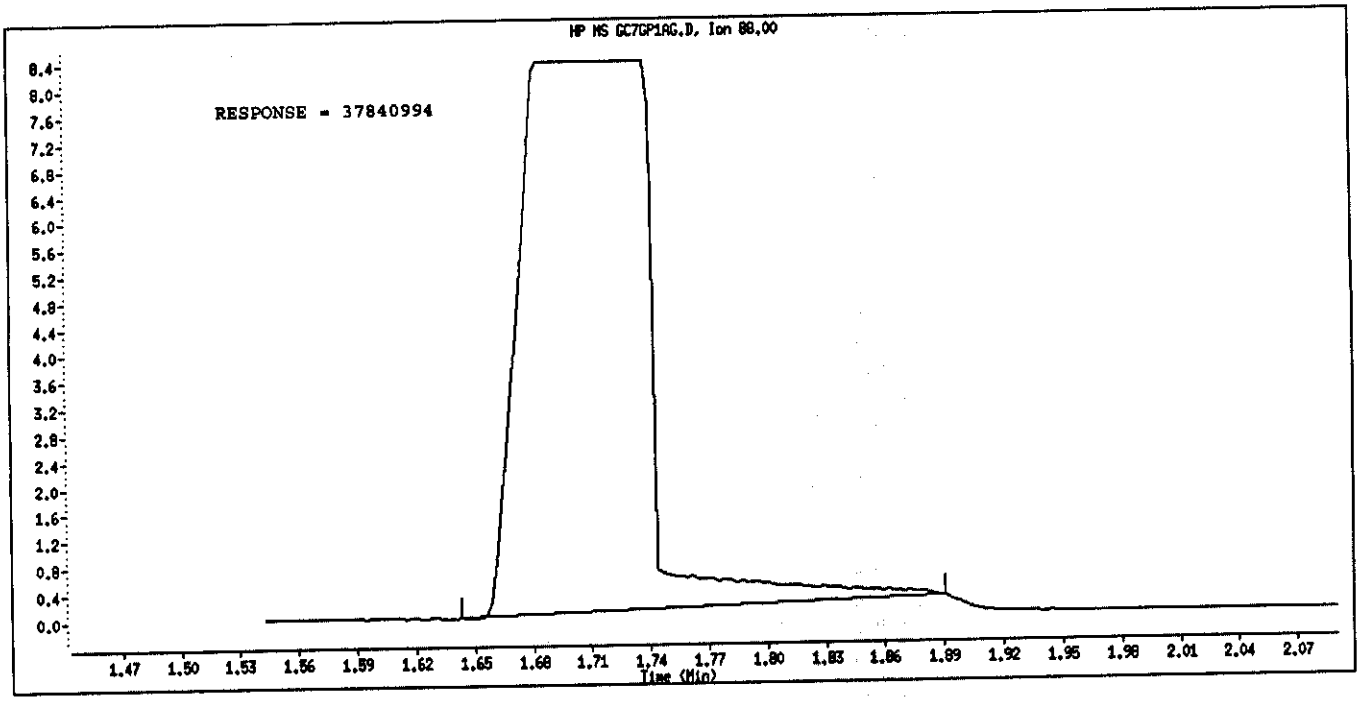
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/08/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

PAYNE FIRM INC.

Client Sample ID: DUP01/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-009 **Work Order #...:** GC7GV1AG **Matrix.....:** WQ
Date Sampled...: 03/29/04 **Date Received..:** 03/30/04
Prep Date.....: 03/31/04 **Analysis Date..:** 04/07/04
Prep Batch #...: 4090705
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DUP01/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-009 **Work Order #...:** GC7GV1AG **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethyl-amine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-diene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DUP01/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-009 **Work Order #...:** GC7GV1AG **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

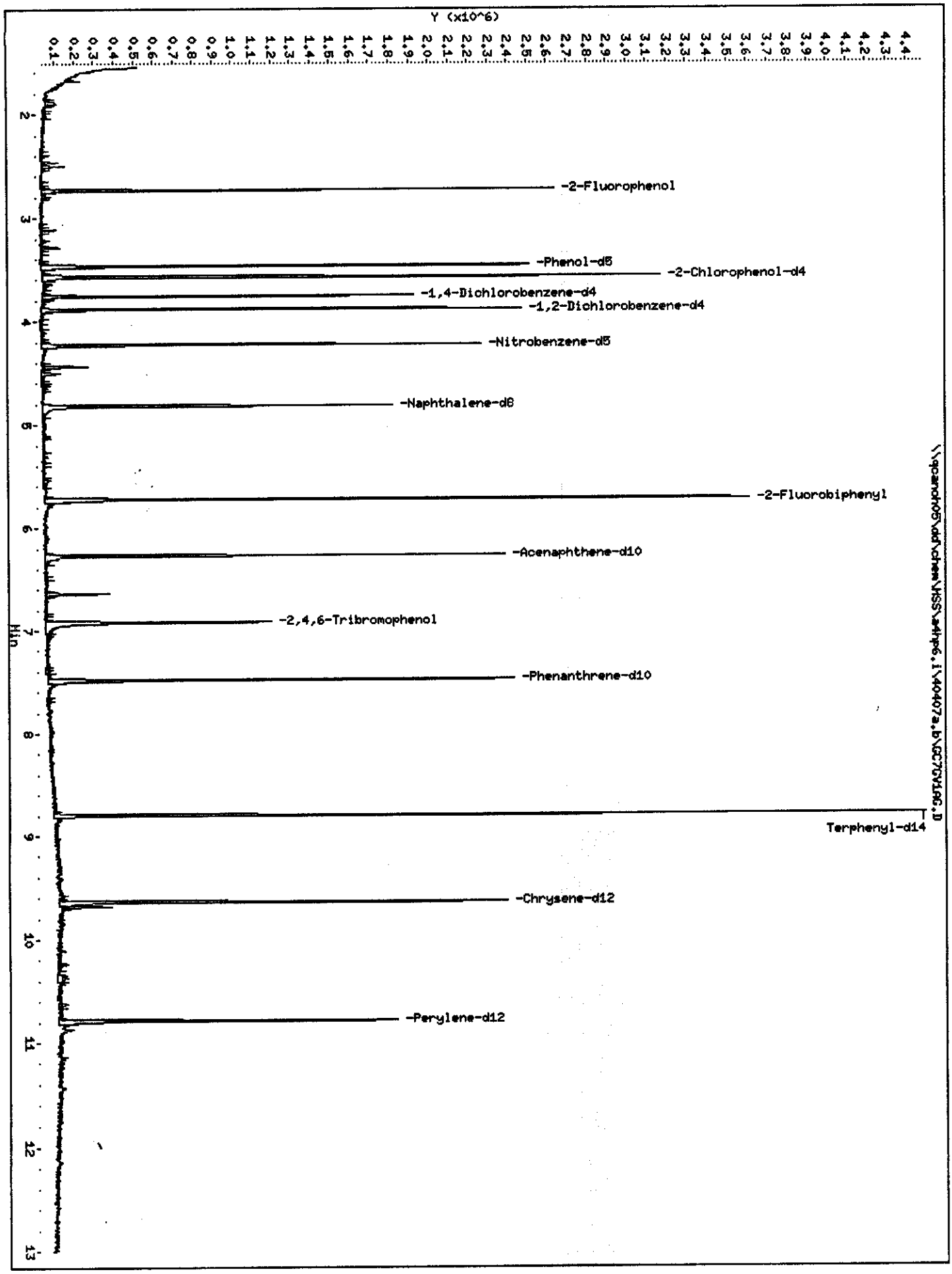
Client Sample ID: DUP01/032904

GC/MS Semivolatiles

Lot-Sample #...: A4C300268-009 **Work Order #...:** GC7GV1AG **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(32 - 112)
2-Fluorobiphenyl	65	(30 - 110)
Terphenyl-d14	73	(10 - 144)
Phenol-d5	47	(10 - 113)
2-Fluorophenol	47	(13 - 110)
2,4,6-Tribromophenol	47	(21 - 122)


Y (x10^6)
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12
-Perylene-d12
Min

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Meth Date : 08-Apr-2004 14:01 gruberj Quant Type: ISTD
Cal Date : 06-APR-2004 18:18 Cal File: 6AHHH406.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1020.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.756	3.759	(1.000)	169876	2.00000	
* 2 Naphthalene-d8	136	4.816	4.819	(1.000)	621666	2.00000	
* 3 Acenaphthene-d10	164	6.266	6.269	(1.000)	357567	2.00000	
* 4 Phenanthrene-d10	188	7.480	7.483	(1.000)	654605	2.00000	
* 5 Chrysene-d12	240	9.637	9.640	(1.000)	629959	2.00000	
* 6 Perylene-d12	264	10.784	10.785	(1.000)	418554	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

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Report Date: 08-Apr-2004 14:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.227	4.233	(0.878)	717316	3.59320	14.091
$ 155 2-Fluorobiphenyl	172	5.723	5.727	(0.913)	786940	3.27004	12.824
$ 156 Terphenyl-d14	244	8.794	8.794	(0.912)	877096	3.64418	14.291
$ 157 Phenol-d5	99	3.466	3.471	(0.923)	661469	3.54224	13.891
$ 158 2-Fluorophenol	112	2.730	2.723	(0.727)	422842	3.49729	13.715
$ 159 2,4,6-Tribromophenol	330	6.917	6.920	(1.104)	89301	3.52956	13.841
$ 186 2-Chlorophenol-d4	132	3.571	3.574	(0.951)	424923	3.79998	14.902
$ 187 1,2-Dichlorobenzene-d4	152	3.885	3.885	(1.034)	218678	3.24859	12.740
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

PAYNE FIRM INC.

Client Sample ID: MW504/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-003 Work Order #...: GC9W71AA Matrix.....: WG
Date Sampled...: 03/30/04 12:45 Date Received..: 03/31/04
Prep Date.....: 04/01/04 Analysis Date..: 04/08/04
Prep Batch #...: 4091574
Dilution Factor: 1 Initial Wgt/Vol: 1030 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW504/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-003 Work Order #...: GC9W71AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW504/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-003 Work Order #...: GC9W71AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

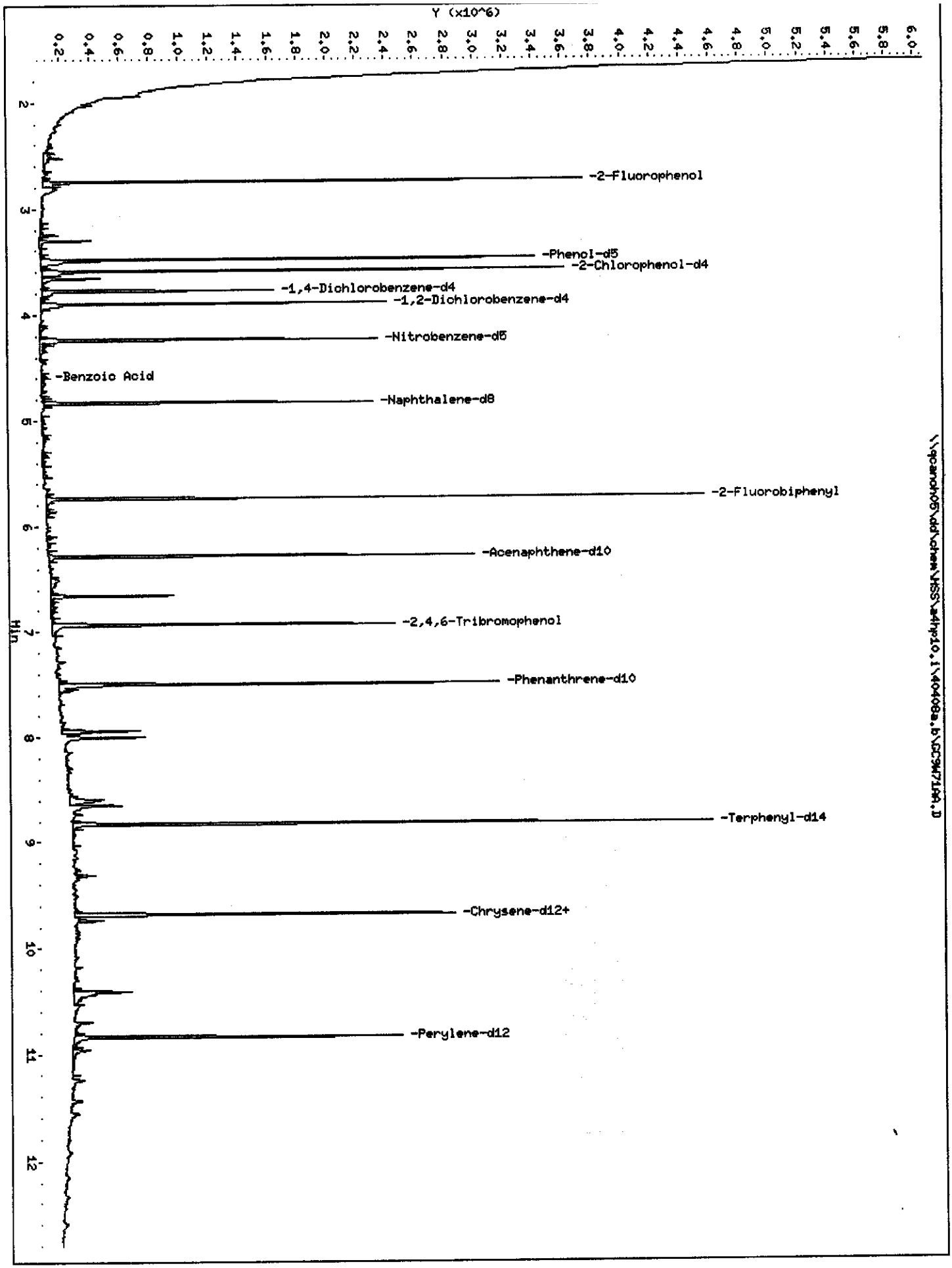
Client Sample ID: MW504/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-003 **Work Order #...:** GC9W71AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	77	(32 - 112)
2-Fluorobiphenyl	69	(30 - 110)
Terphenyl-d14	65	(10 - 144)
Phenol-d5	72	(10 - 113)
2-Fluorophenol	73	(13 - 110)
2,4,6-Tribromophenol	77	(21 - 122)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2
3
4
5
6
7
8
9
10
11
12
Min
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Benzoic Acid
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Inj Date : 08-APR-2004 13:43
Operator : 046900 Inst ID: a4hp10.i
Smp Info : gc9w71aa,40408a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 12-Apr-2004 09:27 ulmanm Quant Type: ISTD
Cal Date : 08-APR-2004 11:20 Cal File: 1THHH0408.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1030.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.777	3.777	(1.000)	181904	2.00000	
* 2 Naphthalene-d8	136	4.829	4.835	(1.000)	744179	2.00000	
* 3 Acenaphthene-d10	164	6.282	6.288	(1.000)	442119	2.00000	
* 4 Phenanthrene-d10	188	7.500	7.506	(1.000)	773948	2.00000	
* 5 Chrysene-d12	240	9.680	9.691	(1.000)	742415	2.00000	
* 6 Perylene-d12	264	10.839	10.845	(1.000)	537797	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	4.621	4.733	(0.957)	7391	0.47422	1.8416(QM)
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					

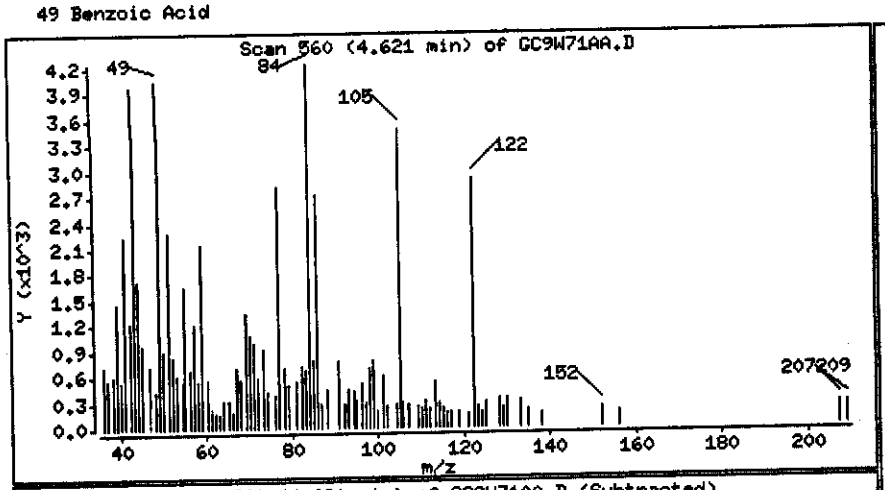
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
126 Aramite 1	185	Compound Not Detected.					

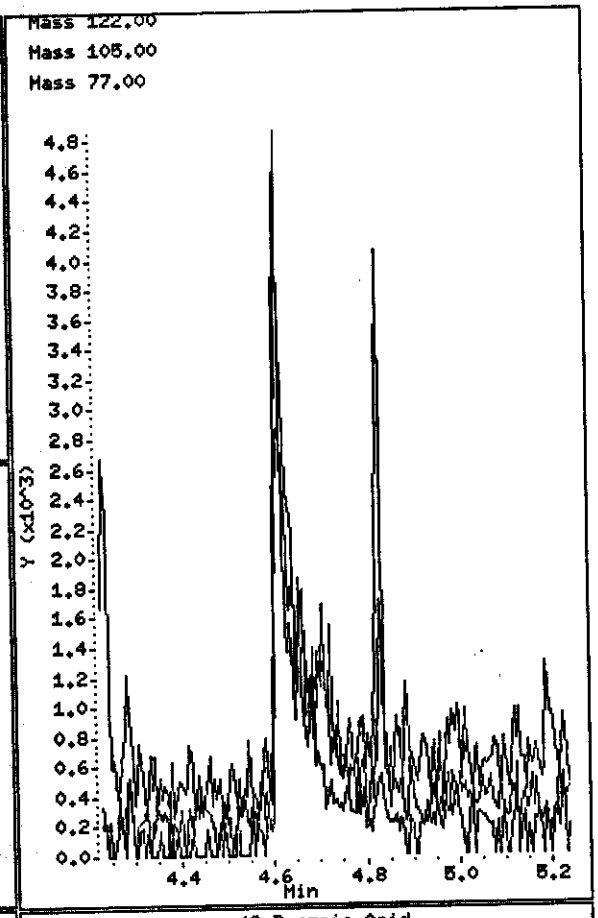
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
M 229 Famphur,Total	100	Compound Not Detected.					
230 Famphur 2	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	9.733	9.739	(1.006)	37058	0.12119	0.47062(Q)
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.236	4.247	(0.877)	695574	3.86214	14.998
$ 155 2-Fluorobiphenyl	172	5.737	5.743	(0.913)	948055	3.45688	13.425
$ 156 Terphenyl-d14	244	8.825	8.831	(0.912)	963459	3.24488	12.601
$ 157 Phenol-d5	99	3.483	3.494	(0.922)	1130549	5.37602	20.878
$ 158 2-Fluorophenol	112	2.746	2.746	(0.727)	801691	5.47606	21.266
$ 159 2,4,6-Tribromophenol	330	6.934	6.939	(1.104)	203103	5.74233	22.300
$ 186 2-Chlorophenol-d4	132	3.590	3.595	(0.951)	632974	4.87761	18.942
$ 187 1,2-Dichlorobenzene-d4	152	3.900	3.905	(1.033)	240073	3.29243	12.786(Q)
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

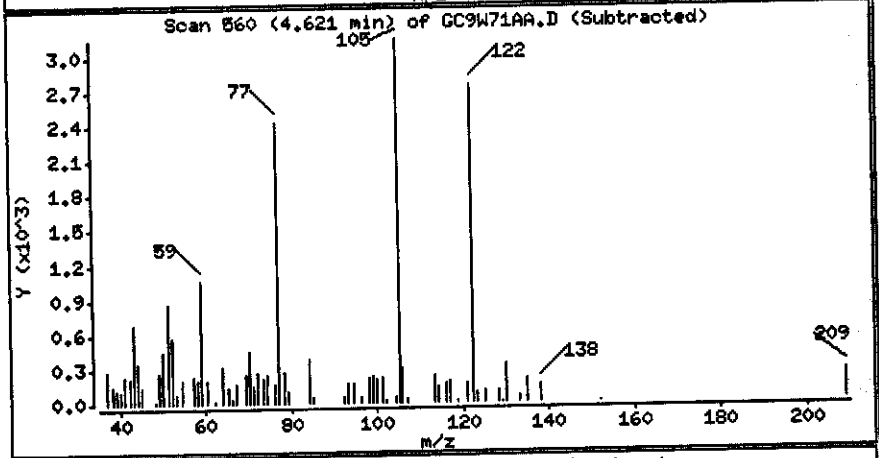
QC Flag Legend

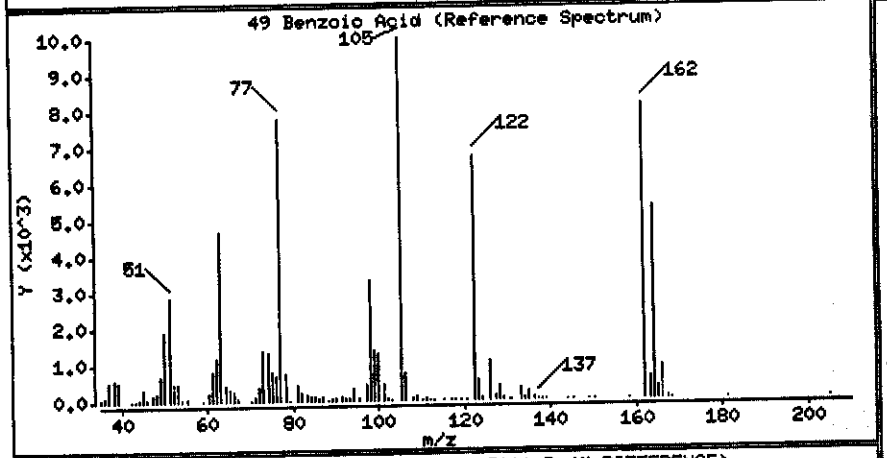
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

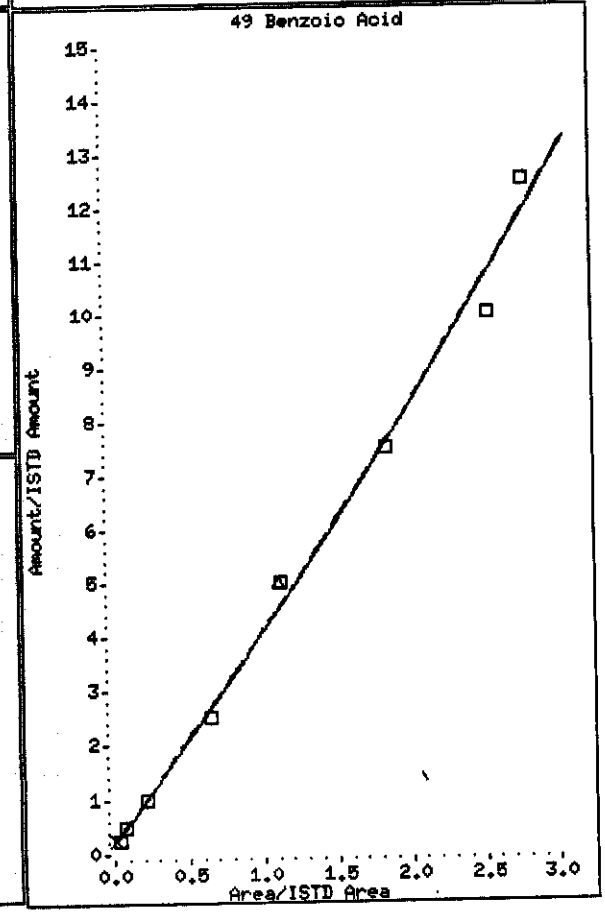
49 Benzoic Acid

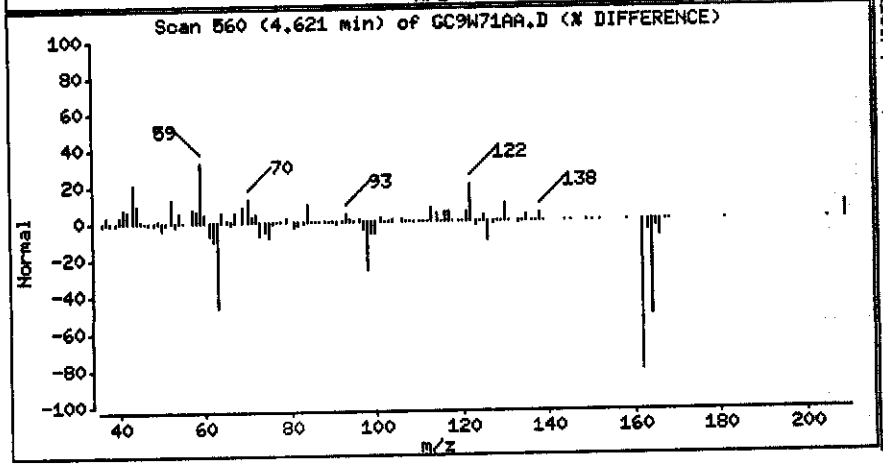




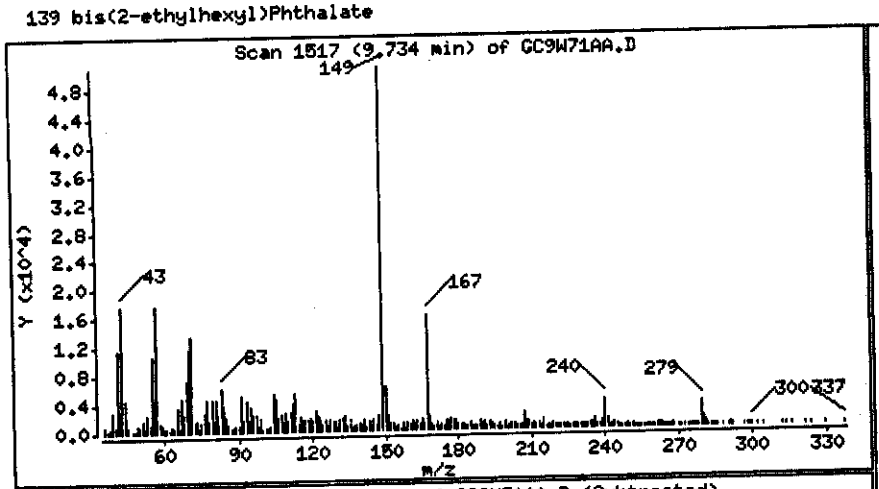


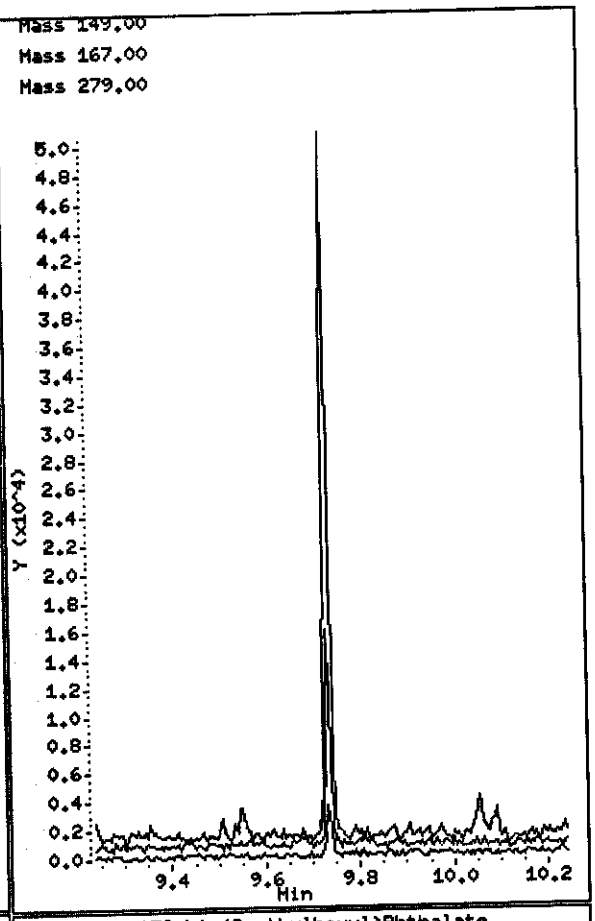


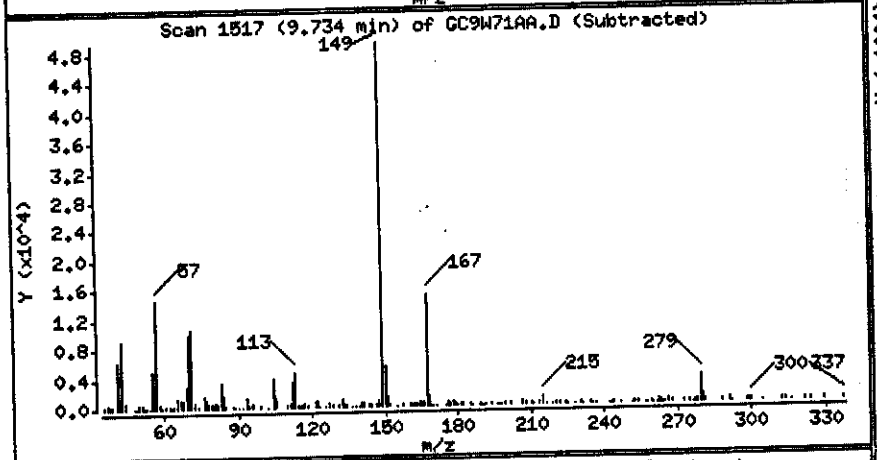


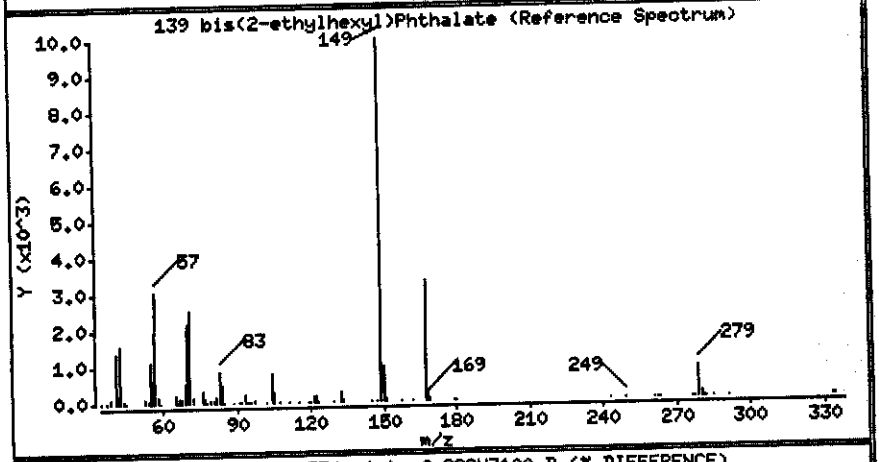


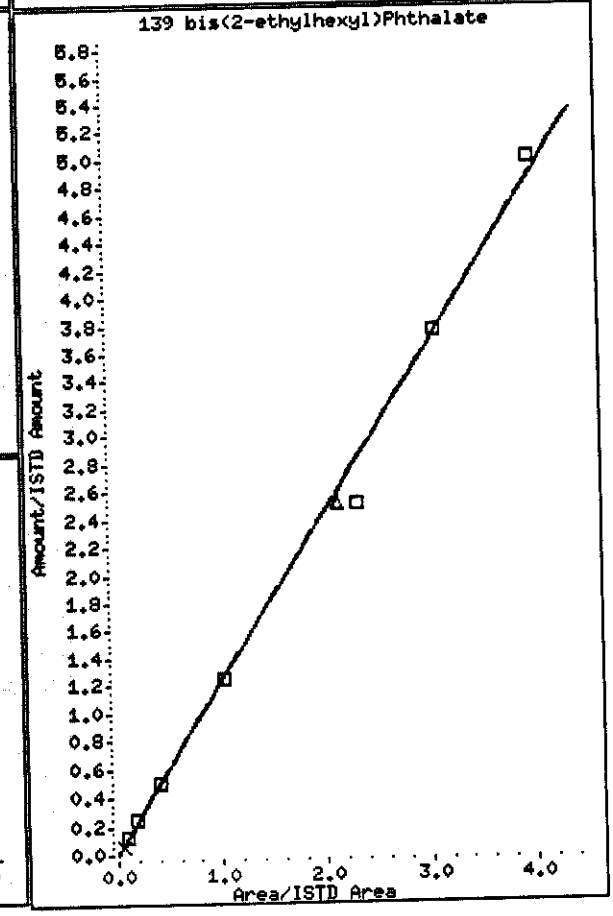
139 bis(2-ethylhexyl)Phthalate

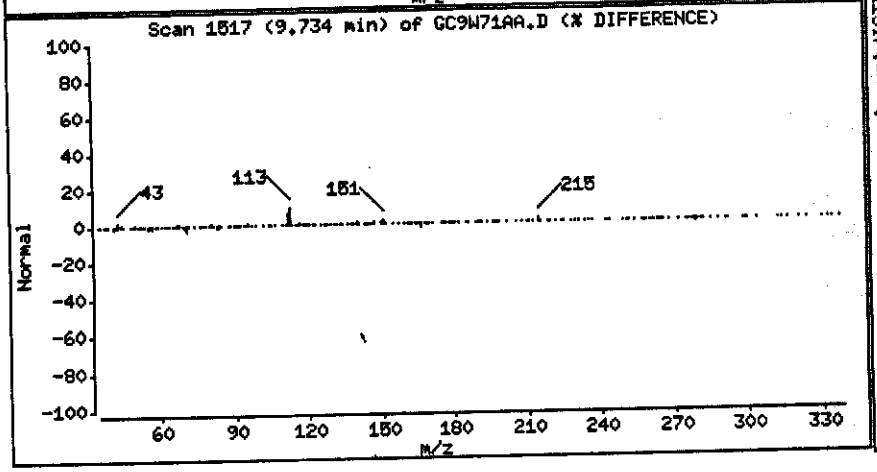












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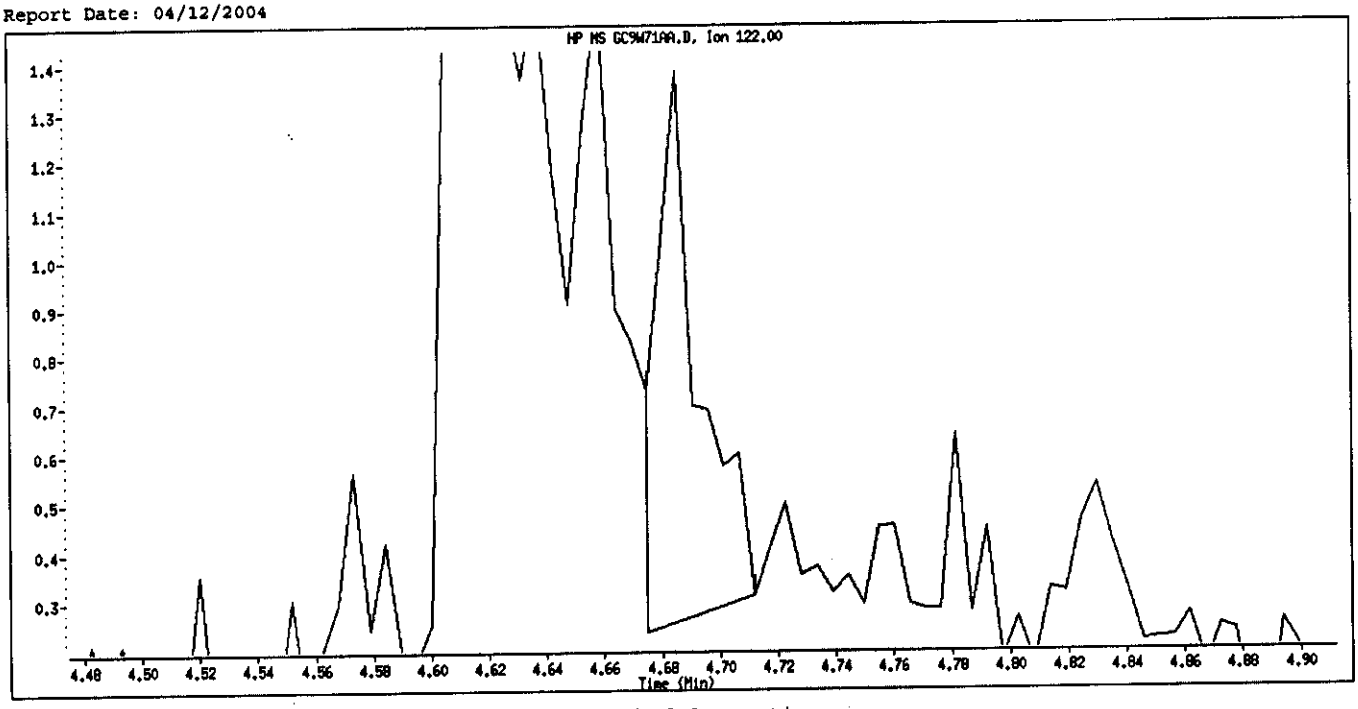
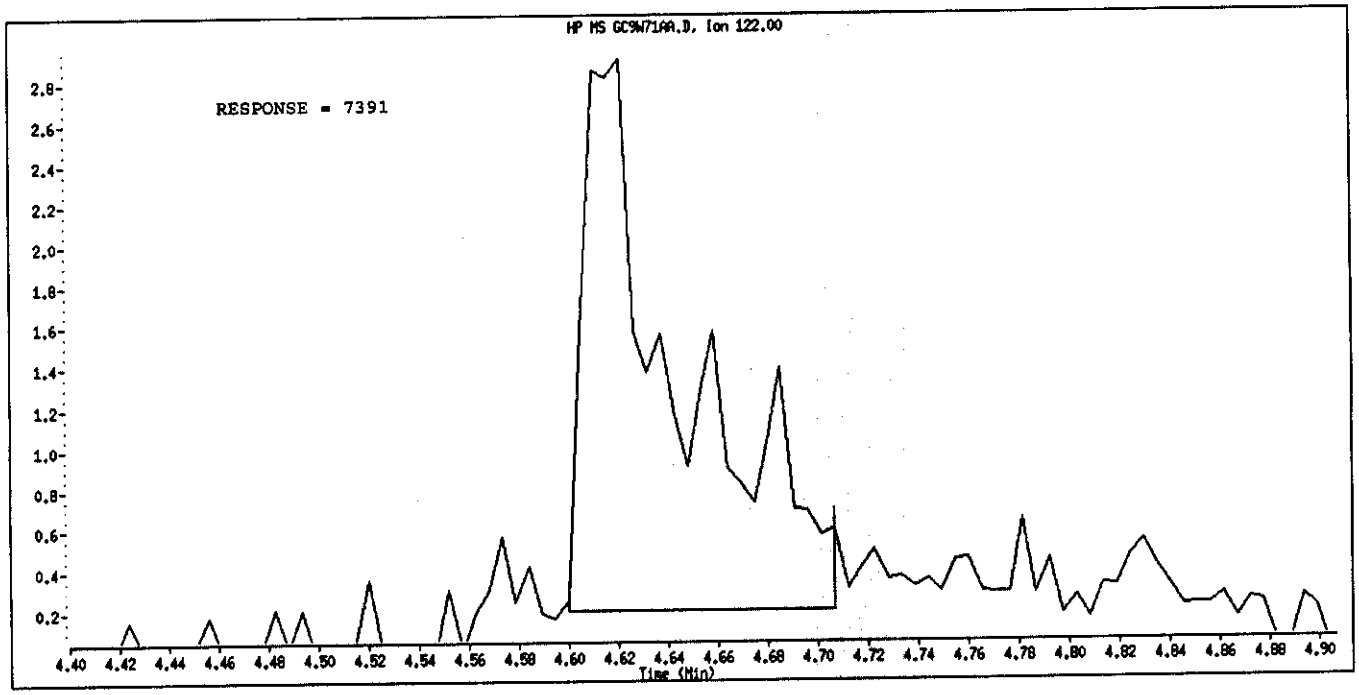
Client ID: MW504/033004
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: ulmanm
Manual Integration Reason: Poor Chromatography

PAYNE FIRM INC.

Client Sample ID: MW504/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-003 **Work Order #...:** GC9W72AA **Matrix.....:** WG
Date Sampled...: 03/30/04 12:45 **Date Received..:** 03/31/04
Prep Date.....: 04/13/04 **Analysis Date..:** 04/14/04
Prep Batch #...: 4104113
Dilution Factor: 1 **Initial Wgt/Vol:** 550 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	91	ug/L
Methyl parathion	ND	18	ug/L
Parathion	ND	18	ug/L
Carbazole	ND	18	ug/L
Acenaphthene	ND	18	ug/L
Acenaphthylene	ND	18	ug/L
Acetophenone	ND	18	ug/L
2-Acetylaminofluorene	ND	180	ug/L
4-Aminobiphenyl	ND	91	ug/L
Aniline	ND	18	ug/L
Anthracene	ND	18	ug/L
Aramite	ND	18	ug/L
Benzo(a)anthracene	ND	18	ug/L
Benzo(a)pyrene	ND	18	ug/L
Benzo(b)fluoranthene	ND	18	ug/L
Benzo(ghi)perylene	ND	18	ug/L
Benzo(k)fluoranthene	ND	18	ug/L
Benzyl alcohol	ND	18	ug/L
4-Bromophenyl phenyl ether	ND	18	ug/L
Butyl benzyl phthalate	ND	18	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	36	ug/L
4-Chloroaniline	ND	18	ug/L
Chlorobenzilate	ND	18	ug/L
bis(2-Chloroethoxy) methane	ND	18	ug/L
bis(2-Chloroethyl)-ether	ND	18	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	18	ug/L
4-Chloro-3-methylphenol	ND	18	ug/L
2-Chloronaphthalene	ND	18	ug/L
2-Chlorophenol	ND	18	ug/L
4-Chlorophenyl phenyl ether	ND	18	ug/L
Chrysene	ND	18	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW504/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-003 **Work Order #...:** GC9W72AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	36	ug/L
Dibenz(a,h)anthracene	ND	18	ug/L
Dibenzofuran	ND	18	ug/L
Di-n-butyl phthalate	ND	18	ug/L
1,2-Dichlorobenzene	ND	18	ug/L
1,3-Dichlorobenzene	ND	18	ug/L
1,4-Dichlorobenzene	ND	18	ug/L
3,3'-Dichlorobenzidine	ND	91	ug/L
2,4-Dichlorophenol	ND	18	ug/L
2,6-Dichlorophenol	ND	18	ug/L
Diethyl phthalate	ND	18	ug/L
Dimethoate	ND	36	ug/L
p-Dimethylaminoazobenzene	ND	36	ug/L
Disulfoton	ND	91	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	36	ug/L
3,3'-Dimethylbenzidine	ND	91	ug/L
a,a-Dimethylphenethyl-amine	ND	91	ug/L
2,4-Dimethylphenol	ND	18	ug/L
Dimethyl phthalate	ND	18	ug/L
1,3-Dinitrobenzene	ND	18	ug/L
4,6-Dinitro-2-methylphenol	ND	91	ug/L
2,4-Dinitrophenol	ND	91	ug/L
2,4-Dinitrotoluene	ND	18	ug/L
2,6-Dinitrotoluene	ND	18	ug/L
Di-n-octyl phthalate	ND	18	ug/L
Diphenylamine	ND	18	ug/L
bis(2-Ethylhexyl) phthalate	ND	18	ug/L
Ethyl methanesulfonate	ND	18	ug/L
Famphur	ND	18	ug/L
Fluoranthene	ND	18	ug/L
Fluorene	ND	18	ug/L
Hexachlorobenzene	ND	18	ug/L
Hexachlorobutadiene	ND	18	ug/L
Hexachlorocyclopenta-diene	ND	91	ug/L
Hexachloroethane	ND	18	ug/L
Hexachloropropene	ND	180	ug/L
Indeno(1,2,3-cd)pyrene	ND	18	ug/L
Isophorone	ND	18	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW504/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-003 **Work Order #...:** GC9W72AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	36	ug/L
Methapyrilene	ND	91	ug/L
3-Methylcholanthrene	ND	36	ug/L
Methyl methanesulfonate	ND	18	ug/L
2-Methylnaphthalene	ND	18	ug/L
2-Methylphenol	ND	18	ug/L
3-Methylphenol	ND	18	ug/L
4-Methylphenol	ND	18	ug/L
Naphthalene	ND	18	ug/L
1,4-Naphthoquinone	ND	91	ug/L
1-Naphthylamine	ND	18	ug/L
2-Naphthylamine	ND	18	ug/L
2-Nitroaniline	ND	91	ug/L
3-Nitroaniline	ND	91	ug/L
4-Nitroaniline	ND	91	ug/L
Nitrobenzene	ND	18	ug/L
2-Nitrophenol	ND	18	ug/L
4-Nitrophenol	ND	91	ug/L
4-Nitroquinoline-1-oxide	ND	180	ug/L
N-Nitrosodi-n-butylamine	ND	18	ug/L
N-Nitrosodiethylamine	ND	18	ug/L
N-Nitrosodimethylamine	ND	18	ug/L
N-Nitrosodiphenylamine	ND	18	ug/L
N-Nitrosodi-n-propylamine	ND	18	ug/L
N-Nitrosomethylethylamine	ND	18	ug/L
N-Nitrosomorpholine	ND	18	ug/L
N-Nitrosopiperidine	ND	18	ug/L
N-Nitrosopyrrolidine	ND	18	ug/L
5-Nitro-o-toluidine	ND	36	ug/L
Pentachlorobenzene	ND	18	ug/L
Pentachloroethane	ND	91	ug/L
Pentachloronitrobenzene	ND	91	ug/L
Pentachlorophenol	ND	18	ug/L
Phenacetin	ND	36	ug/L
Phenanthrene	ND	18	ug/L
Phenol	ND	18	ug/L
p-Phenylene diamine	ND	180	ug/L
Phorate	ND	91	ug/L
2-Picoline	ND	36	ug/L
Pronamide	ND	36	ug/L
Pyrene	ND	18	ug/L

(Continued on next page)

PAYNE FIRM INC.

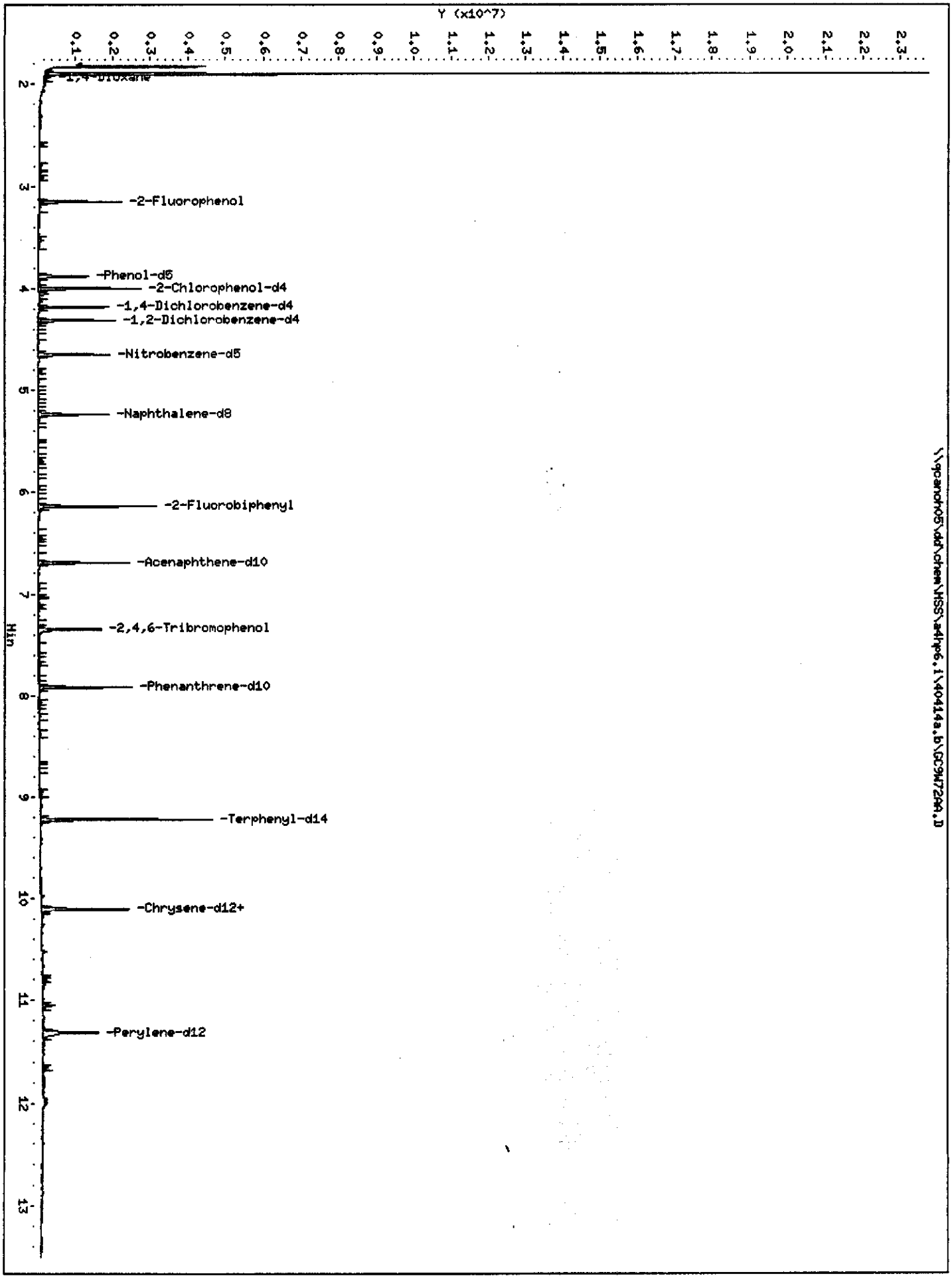
Client Sample ID: MW504/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-003 **Work Order #...:** GC9W72AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	36	ug/L
Safrole	ND	36	ug/L
Tetraethyldithiopyro-phosphate	ND	91	ug/L
1,2,4,5-Tetrachloro-benzene	ND	18	ug/L
2,3,4,6-Tetrachlorophenol	ND	91	ug/L
o-Toluidine	ND	36	ug/L
1,2,4-Trichloro-benzene	ND	18	ug/L
2,4,5-Trichloro-phenol	ND	18	ug/L
2,4,6-Trichloro-phenol	ND	18	ug/L
O,O,O-Triethylphosphoro-thioate	ND	91	ug/L
1,3,5-Trinitrobenzene	ND	91	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	58	(32 - 112)
2-Fluorobiphenyl	54	(30 - 110)
Terphenyl-d14	82	(10 - 144)
Phenol-d5	27	(10 - 113)
2-Fluorophenol	38	(13 - 110)
2,4,6-Tribromophenol	57	(21 - 122)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1,4-Dioxane
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
Min
2 3 4 5 6 7 8 9 10 11 12 13
\\gcandh05\dd\chem\HSS\a4hp6.i\40414a.b\GC9W72AA.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Inj Date : 14-APR-2004 14:45
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gc9w72aa,40414a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m
Meth Date : 15-Apr-2004 13:38 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	550.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.181	4.184	(1.000)	184365	2.00000	(Q)
* 2 Naphthalene-d8	136	5.235	5.238	(1.000)	680823	2.00000	
* 3 Acenaphthene-d10	164	6.693	6.696	(1.000)	395779	2.00000	
* 4 Phenanthrene-d10	188	7.917	7.920	(1.000)	685000	2.00000	
* 5 Chrysene-d12	240	10.103	10.109	(1.000)	646454	2.00000	
* 6 Perylene-d12	264	11.312	11.315	(1.000)	482928	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

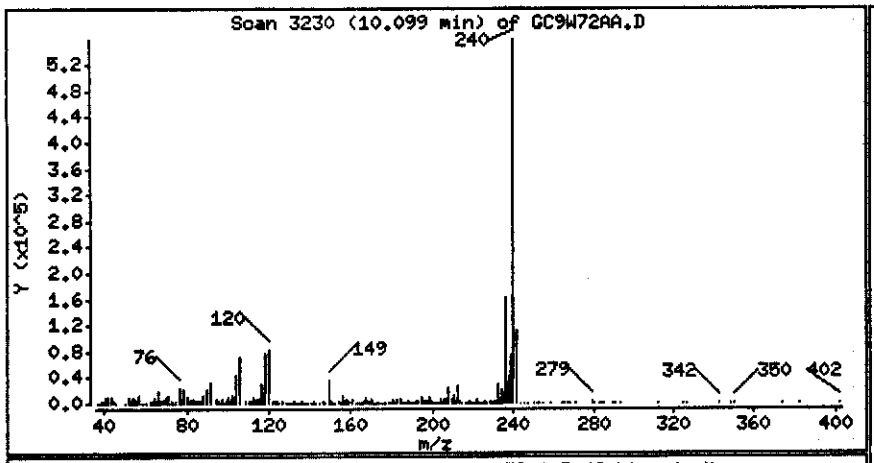
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

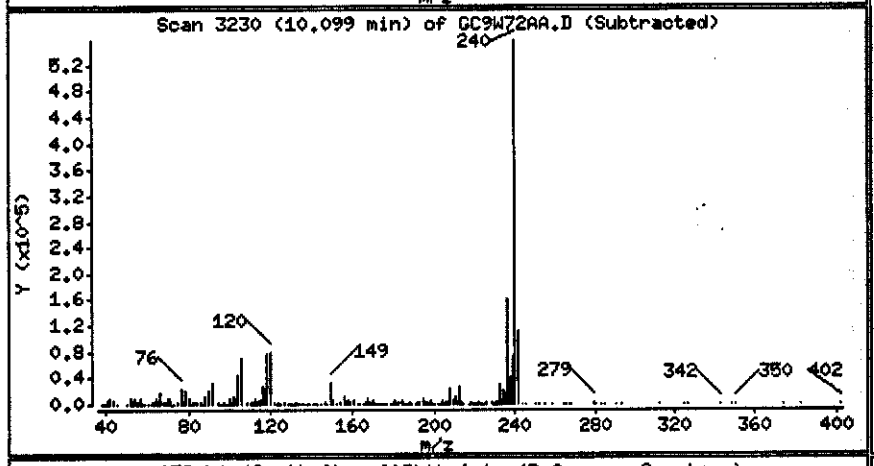
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.098	10.101	(0.999)	33584	0.13318	0.96854
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.647	4.649	(0.888)	657483	2.87917	20.939
$ 155 2-Fluorobiphenyl	172	6.135	6.138	(0.917)	709160	2.69144	19.574
$ 156 Terphenyl-d14	244	9.221	9.221	(0.913)	1006918	4.09664	29.794
$ 157 Phenol-d5	99	3.880	3.888	(0.928)	432131	2.01999	14.691
$ 158 2-Fluorophenol	112	3.150	3.155	(0.753)	384978	2.84317	20.678
$ 159 2,4,6-Tribromophenol	330	7.349	7.352	(1.098)	129572	4.25699	30.960
$ 186 2-Chlorophenol-d4	132	3.999	4.004	(0.956)	458319	3.69292	26.858
$ 187 1,2-Dichlorobenzene-d4	152	4.310	4.312	(1.031)	201841	2.70316	19.659
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	2.065	2.068	(0.494)	11316	0.14767	1.0739
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

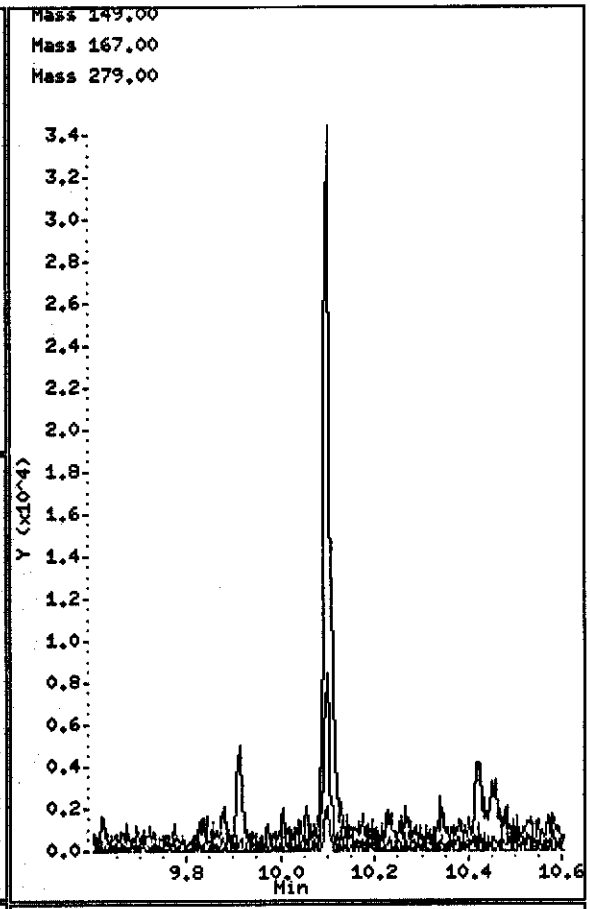
QC Flag Legend

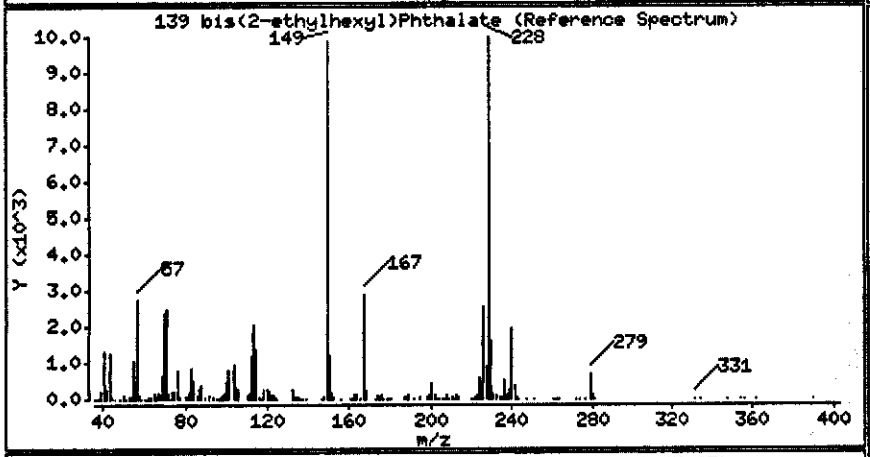
Q - Qualifier signal failed the ratio test.

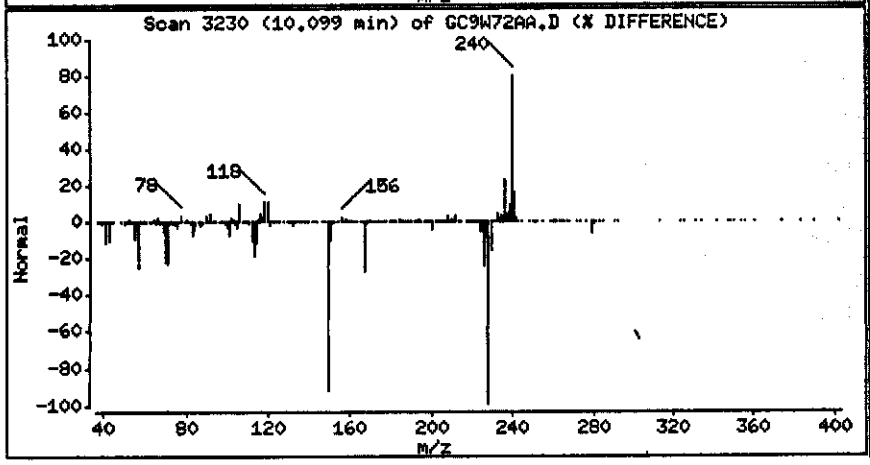
139 bis(2-ethylhexyl)Phthalate

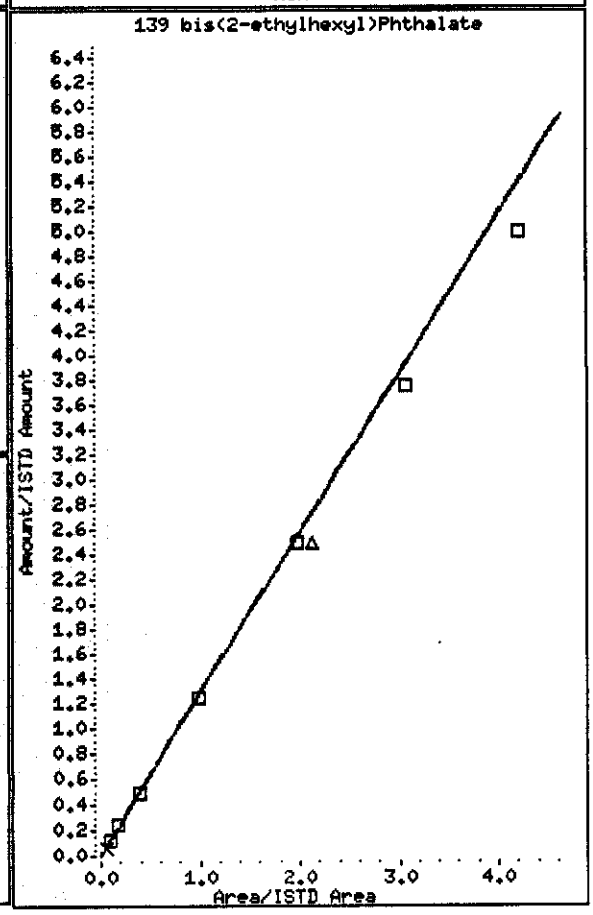




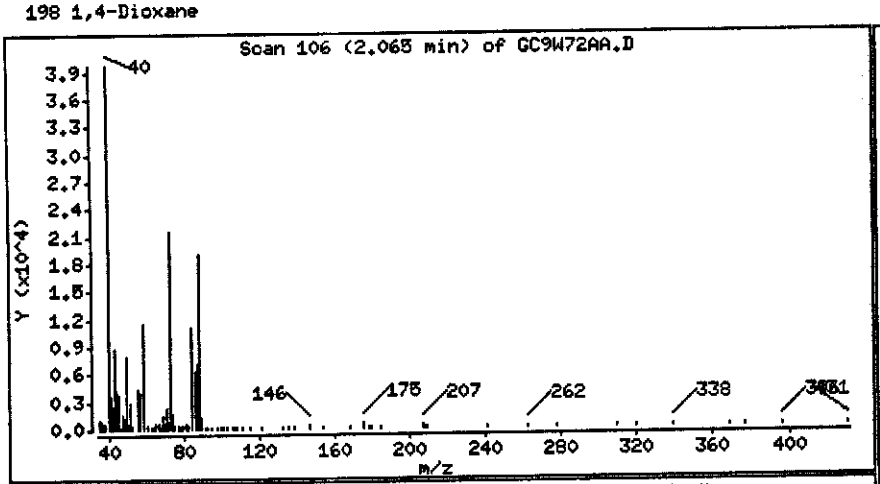


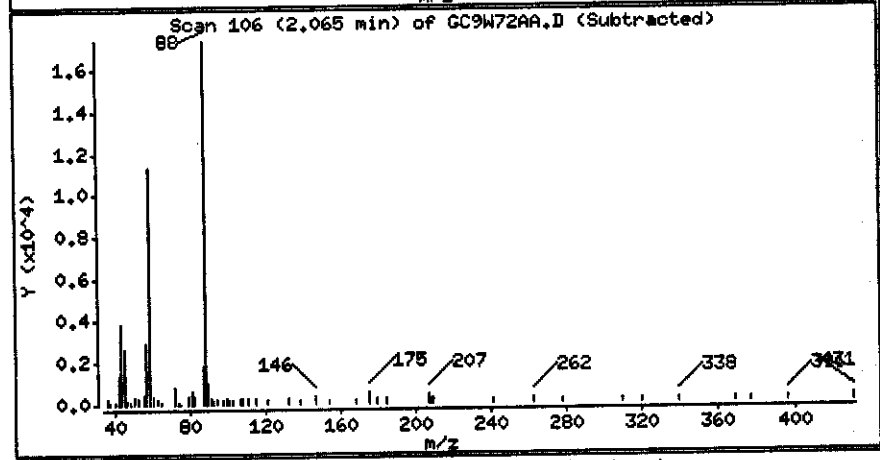


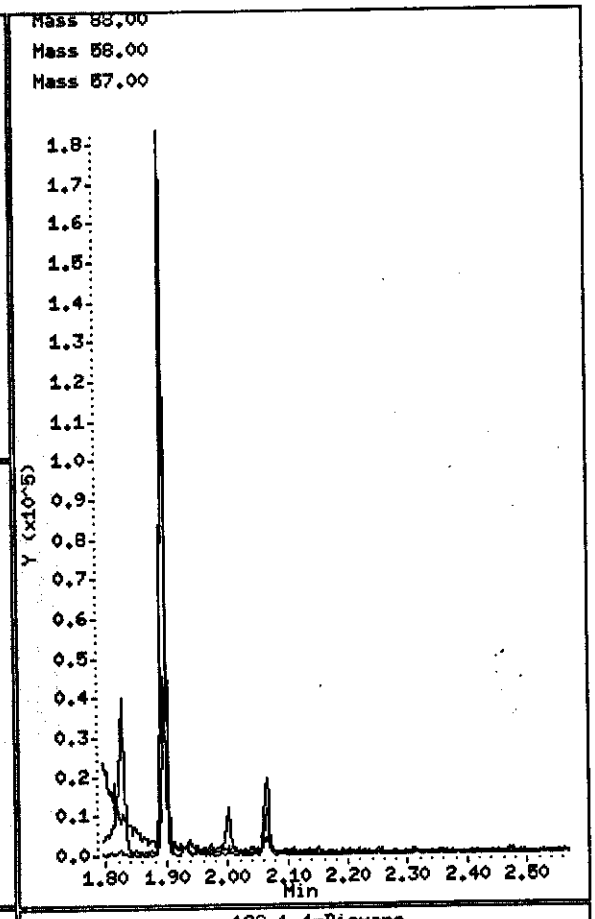


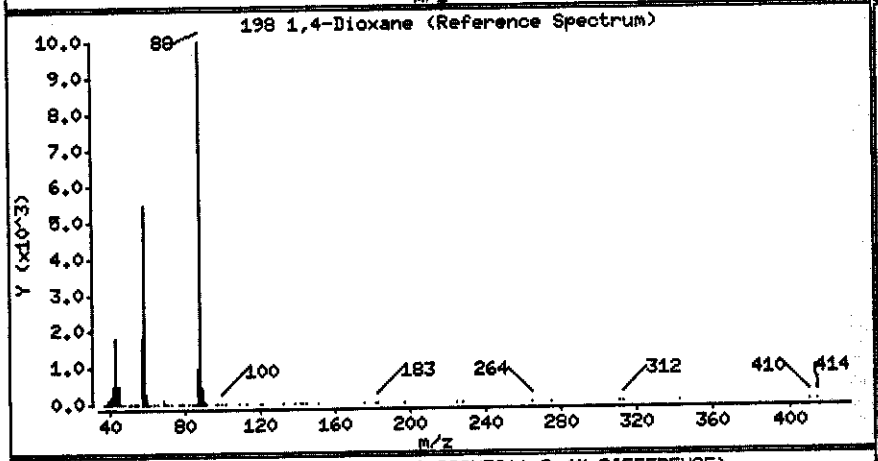


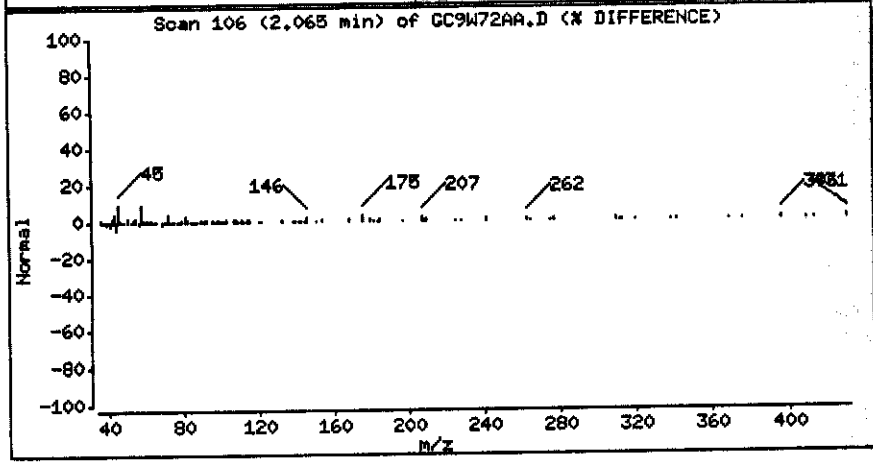
198 1,4-Dioxane

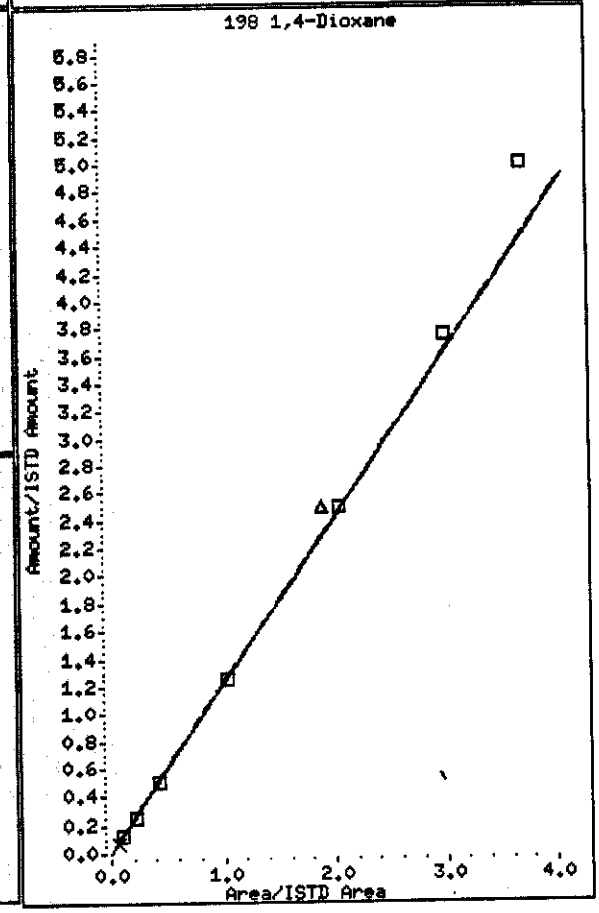












PAYNE FIRM INC.

Client Sample ID: MW-43A/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-005 **Work Order #...:** GC9XC1AC **Matrix.....:** WG
Date Sampled...: 03/30/04 10:28 **Date Received..:** 03/31/04
Prep Date.....: 04/01/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4091574
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-43A/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-005 **Work Order #...:** GC9XC1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-43A/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-005 **Work Order #...:** GC9XC1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

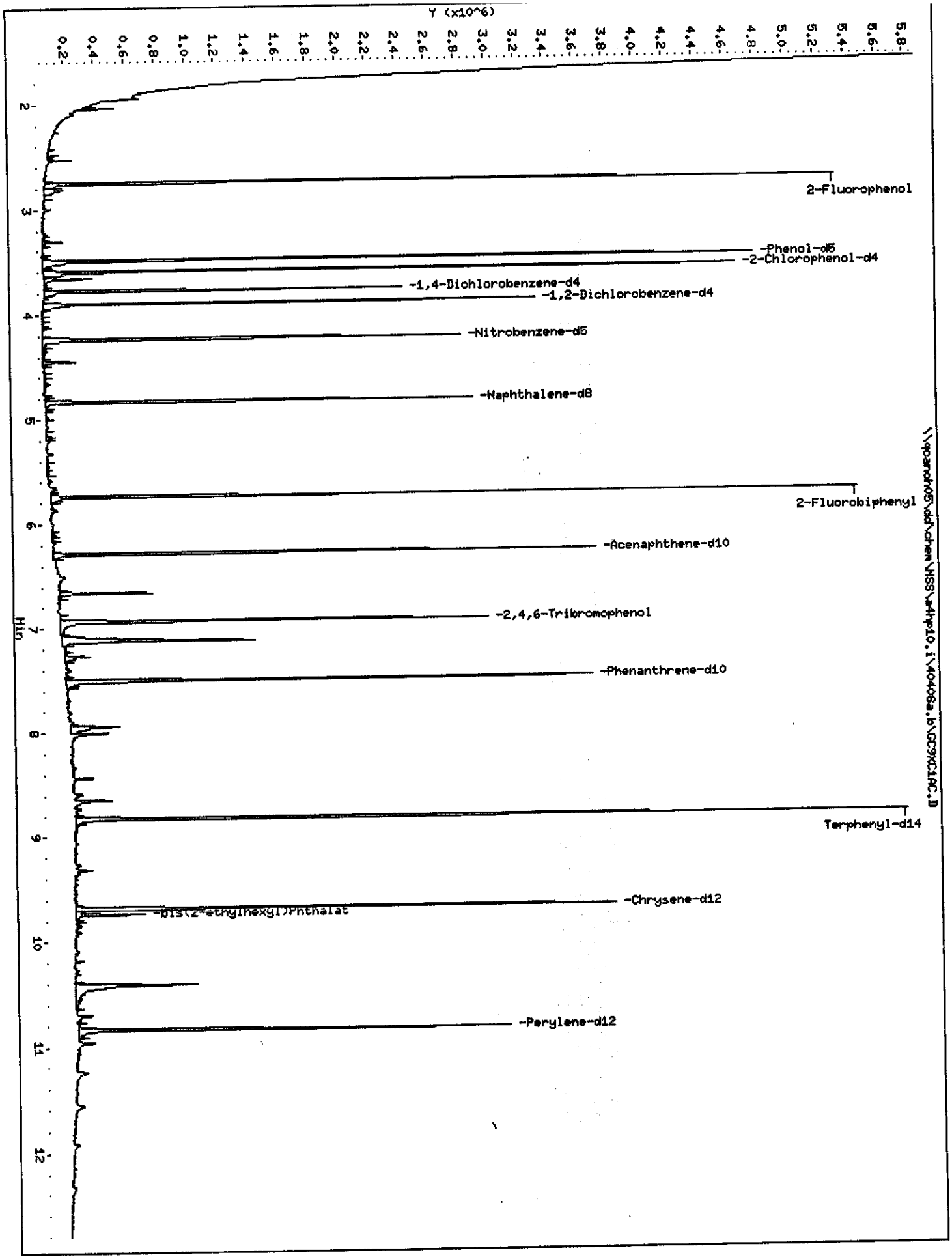
Client Sample ID: MW-43A/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-005 **Work Order #...:** GC9XC1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(32 - 112)
2-Fluorobiphenyl	66	(30 - 110)
Terphenyl-d14	69	(10 - 144)
Phenol-d5	65	(10 - 113)
2-Fluorophenol	64	(13 - 110)
2,4,6-Tribromophenol	68	(21 - 122)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Min
2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12
-bis(2-ethylhexyl)Phthalat
-Perylene-d12
\\qcanon05\dd\chem\HSS\a4hp10.i\40408a.b\GC9XC16C.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\GC9XC1AC.D
Lab Smp Id: GC9XC1AC Client Smp ID: MW-43A/033004
Inj Date : 08-APR-2004 14:03
Operator : 046900 Inst ID: a4hp10.i
Smp Info : gc9xc1ac,40408a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 12-Apr-2004 09:27 ulmanm Quant Type: ISTD
Cal Date : 08-APR-2004 11:20 Cal File: 1THHH0408.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.777	3.777	(1.000)	253259	2.00000	
* 2 Naphthalene-d8	136	4.829	4.835	(1.000)	1049417	2.00000	
* 3 Acenaphthene-d10	164	6.282	6.288	(1.000)	596966	2.00000	
* 4 Phenanthrene-d10	188	7.500	7.506	(1.000)	1041403	2.00000	
* 5 Chrysene-d12	240	9.680	9.691	(1.000)	1035847	2.00000	
* 6 Perylene-d12	264	10.839	10.845	(1.000)	742351	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					

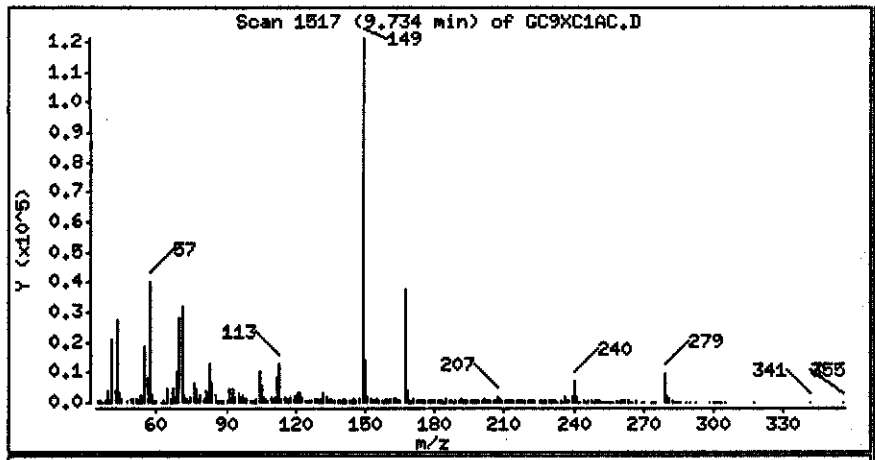
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
126 Aramite 1	185	Compound Not Detected.					

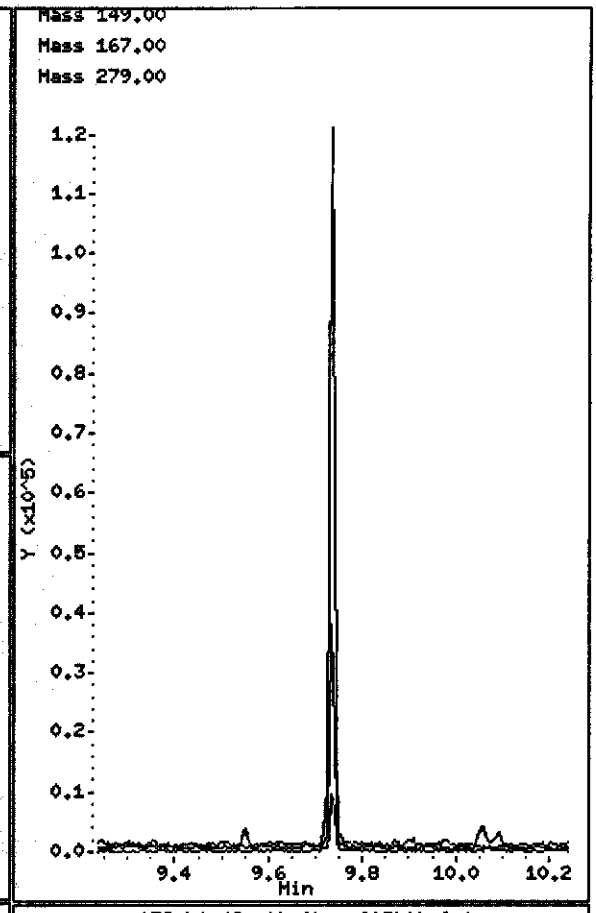
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
M 229 Famphur,Total	100	Compound Not Detected.					
230 Famphur 2	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	9.733	9.739	(1.006)	87582	0.20527	0.82110(Q)
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.236	4.247	(0.877)	939323	3.69852	14.794
$ 155 2-Fluorobiphenyl	172	5.737	5.743	(0.913)	1223930	3.30519	13.221
$ 156 Terphenyl-d14	244	8.825	8.831	(0.912)	1438328	3.47196	13.888
$ 157 Phenol-d5	99	3.488	3.494	(0.924)	1417167	4.84027	19.361
$ 158 2-Fluorophenol	112	2.751	2.746	(0.728)	971318	4.76541	19.062
$ 159 2,4,6-Tribromophenol	330	6.934	6.939	(1.104)	245202	5.13435	20.537
$ 186 2-Chlorophenol-d4	132	3.590	3.595	(0.951)	908499	5.02832	20.113
$ 187 1,2-Dichlorobenzene-d4	152	3.900	3.905	(1.033)	331701	3.26736	13.069(Q)
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

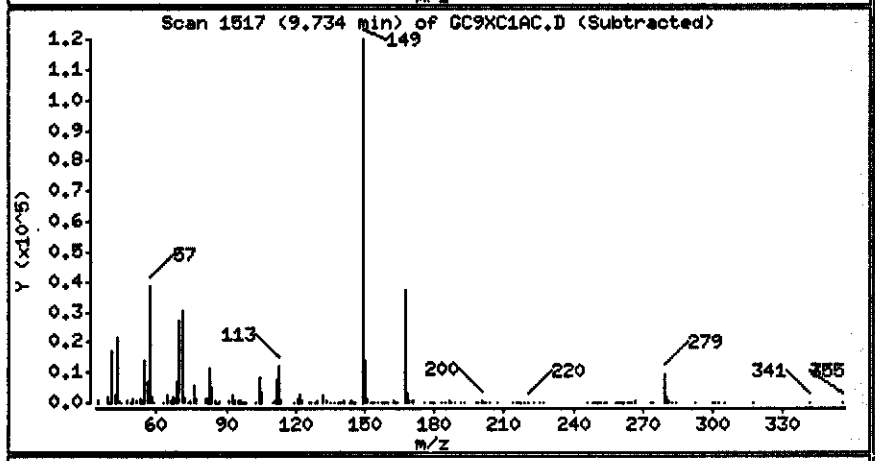
QC Flag Legend

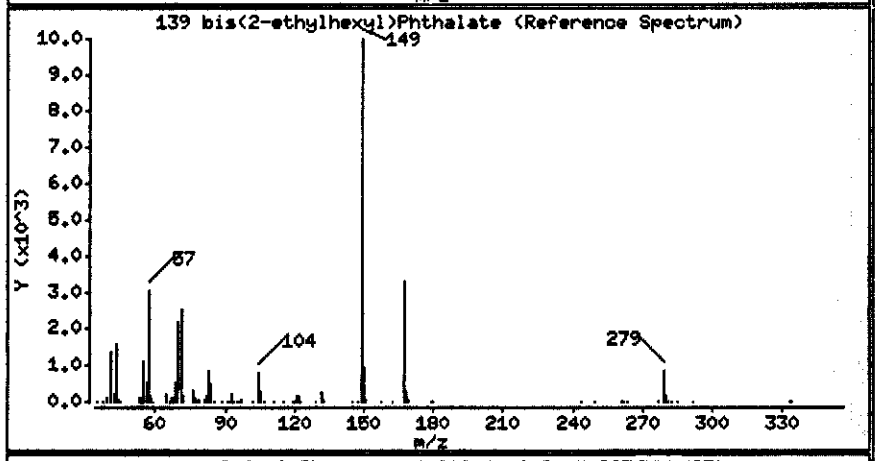
Q - Qualifier signal failed the ratio test.

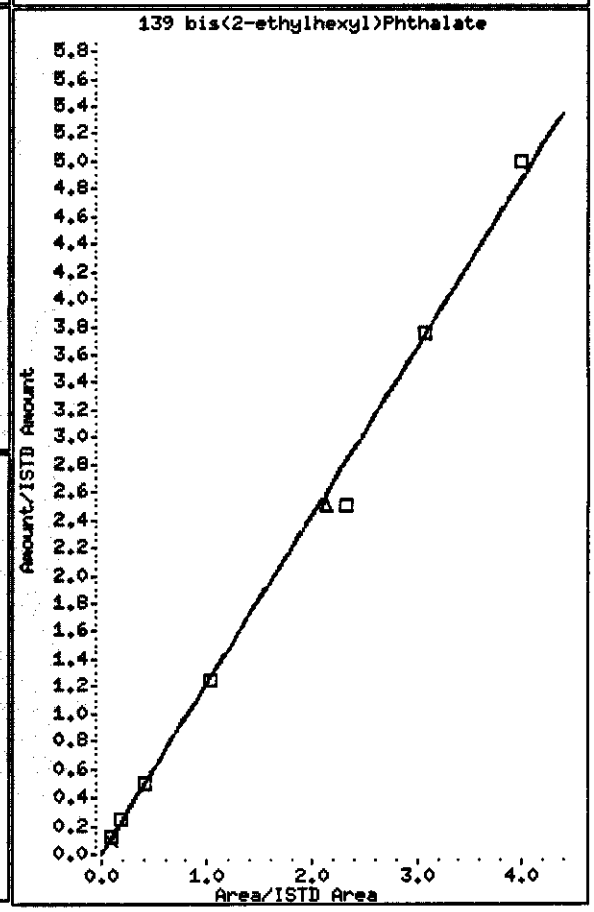
139 bis(2-ethylhexyl)Phthalate

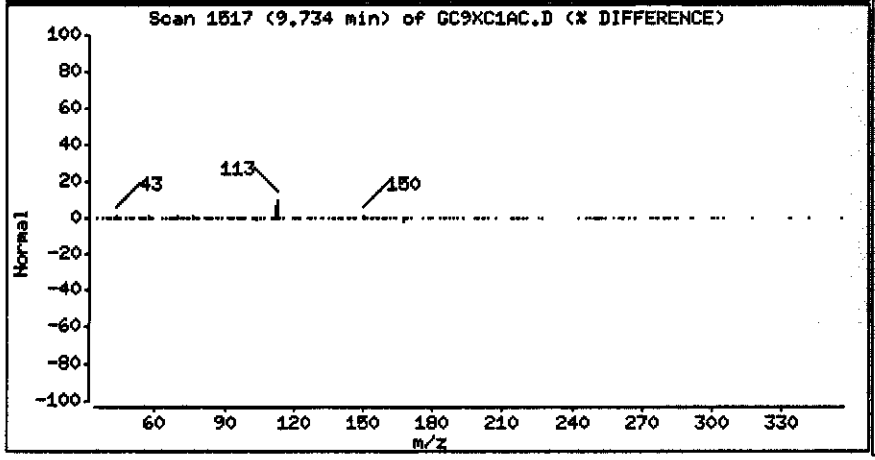












PAYNE FIRM INC.

Client Sample ID: MW-43A/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-005 **Work Order #...:** GC9XC2AC **Matrix.....:** WG
Date Sampled...: 03/30/04 10:28 **Date Received..:** 03/31/04
Prep Date.....: 04/13/04 **Analysis Date..:** 04/14/04
Prep Batch #...: 4104113
Dilution Factor: 1 **Initial Wgt/Vol:** 960 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-43A/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-005 **Work Order #...:** GC9XC2AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethyl-amine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopenta-diene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-43A/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-005 **Work Order #...:** GC9XC2AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

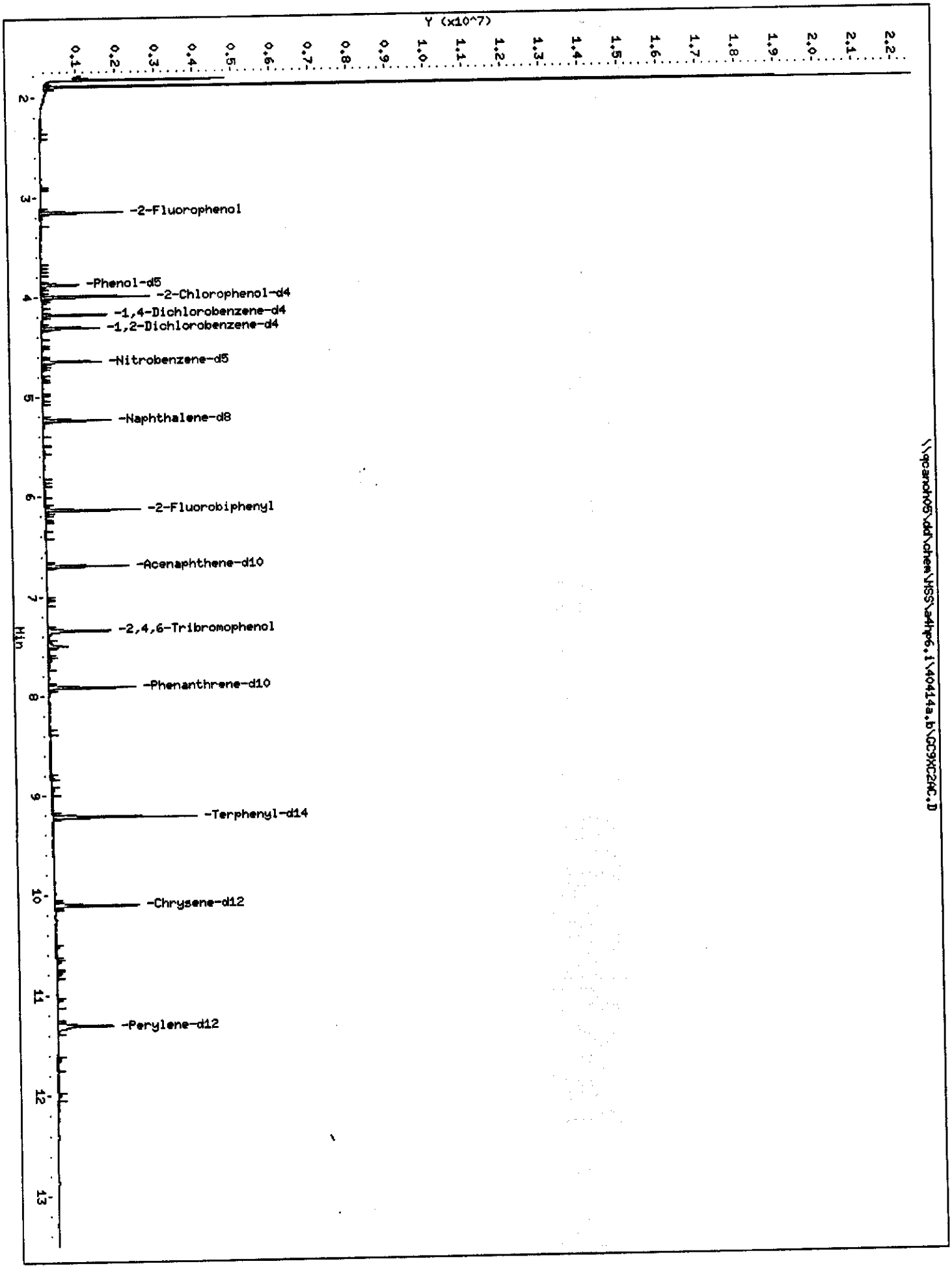
Client Sample ID: MW-43A/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-005 Work Order #...: GC9XC2AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	51	(32 - 112)
2-Fluorobiphenyl	45	(30 - 110)
Terphenyl-d14	73	(10 - 144)
Phenol-d5	20	(10 - 113)
2-Fluorophenol	34	(13 - 110)
2,4,6-Tribromophenol	65	(21 - 122)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8
9
10
11
12
13
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12
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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Inj Date : 14-APR-2004 13:22
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gc9xc2ac,40414a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m
Meth Date : 15-Apr-2004 13:38 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	960.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.182	4.184	(1.000)	191411	2.00000	(Q)
* 2 Naphthalene-d8	136	5.237	5.238	(1.000)	696846	2.00000	
* 3 Acenaphthene-d10	164	6.692	6.696	(1.000)	401796	2.00000	
* 4 Phenanthrene-d10	188	7.916	7.920	(1.000)	721401	2.00000	
* 5 Chrysene-d12	240	10.099	10.109	(1.000)	705356	2.00000	
* 6 Perylene-d12	264	11.311	11.315	(1.000)	523273	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.645	4.649	(0.887)	601241	2.57234	10.718
$ 155 2-Fluorobiphenyl	172	6.134	6.138	(0.917)	607886	2.27253	9.4689
$ 156 Terphenyl-d14	244	9.220	9.221	(0.913)	976382	3.64069	15.170
$ 157 Phenol-d5	99	3.879	3.888	(0.927)	331099	1.49074	6.2114
$ 158 2-Fluorophenol	112	3.151	3.155	(0.753)	356572	2.53645	10.568
$ 159 2,4,6-Tribromophenol	330	7.348	7.352	(1.098)	150735	4.87812	20.326
$ 186 2-Chlorophenol-d4	132	3.997	4.004	(0.956)	504914	3.91861	16.328
$ 187 1,2-Dichlorobenzene-d4	152	4.308	4.312	(1.030)	163822	2.11323	8.8051
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

PAYNE FIRM INC.

Client Sample ID: MW-18/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-006 **Work Order #...:** GC9XE1AC **Matrix.....:** WG
Date Sampled...: 03/30/04 10:00 **Date Received..:** 03/31/04
Prep Date.....: 04/01/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4091574
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-18/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-006 **Work Order #...:** GC9XE1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-18/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-006 **Work Order #...:** GC9XE1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

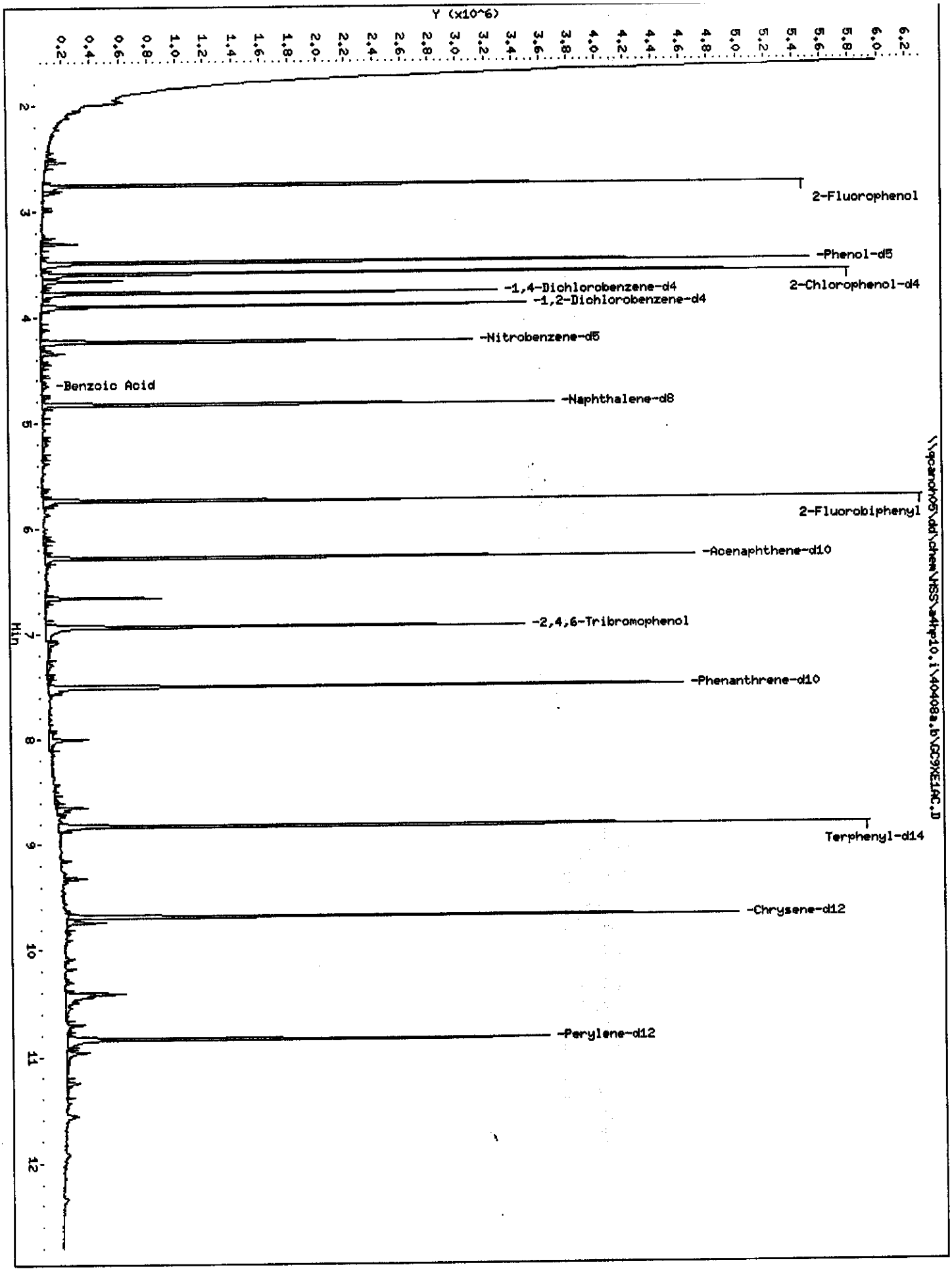
Client Sample ID: MW-18/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-006 **Work Order #...:** GC9XE1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	65	(32 - 112)
2-Fluorobiphenyl	64	(30 - 110)
Terphenyl-d14	59	(10 - 144)
Phenol-d5	60	(10 - 113)
2-Fluorophenol	61	(13 - 110)
2,4,6-Tribromophenol	69	(21 - 122)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0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2 4.4 4.6 4.8 5.0 5.2 5.4 5.6 5.8 6.0 6.2
Min
2 3 4 5 6 7 8 9 10 11 12
2-Fluorophenol
-Phenol-d5
2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Benzoic Acid
-Naphthalene-d8
2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12
-Perylene-d12
\\qcandor05\dd\chem\HSS\a4hp10.i\40408a.b\GC9XE1AC.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\GC9XE1AC.D
Lab Smp Id: GC9XE1AC Client Smp ID: MW-18/033004
Inj Date : 08-APR-2004 14:24
Operator : 046900 Inst ID: a4hp10.i
Smp Info : gc9xe1ac,40408a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 12-Apr-2004 09:27 ulmanm Quant Type: ISTD
Cal Date : 08-APR-2004 11:20 Cal File: 1THHH0408.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1020.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.777	3.777	(1.000)	337428	2.00000	
* 2 Naphthalene-d8	136	4.829	4.835	(1.000)	1421669	2.00000	
* 3 Acenaphthene-d10	164	6.282	6.288	(1.000)	788686	2.00000	
* 4 Phenanthrene-d10	188	7.506	7.506	(1.000)	1386378	2.00000	
* 5 Chrysene-d12	240	9.680	9.691	(1.000)	1366872	2.00000	
* 6 Perylene-d12	264	10.839	10.845	(1.000)	998400	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	4.616	4.733	(0.956)	9085	0.44862	1.7593(H)
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					

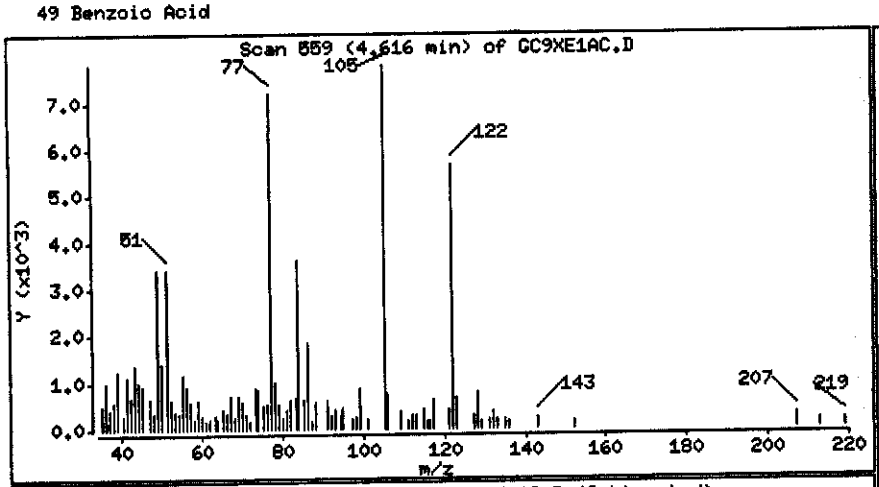
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
126 Aramite 1	185	Compound Not Detected.					

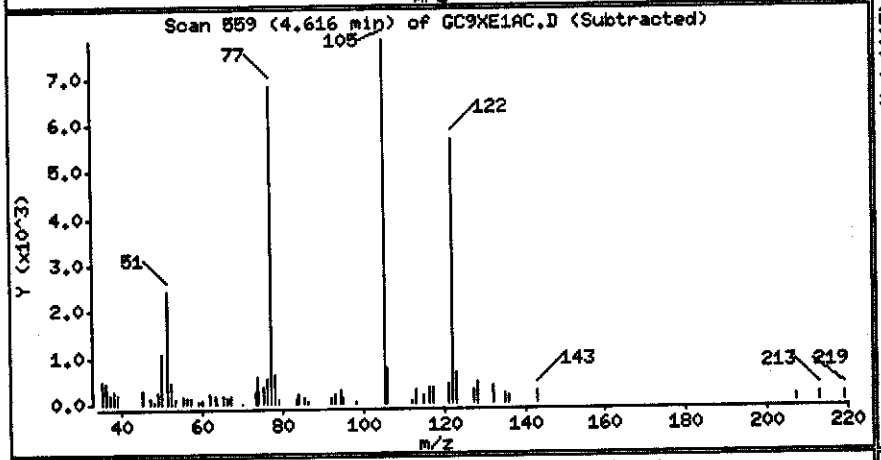
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
M 229 Famphur,Total	100	Compound Not Detected.					
230 Famphur 2	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.242	4.247	(0.878)	1115386	3.24182	12.713
$ 155 2-Fluorobiphenyl	172	5.737	5.743	(0.913)	1565101	3.19910	12.546
$ 156 Terphenyl-d14	244	8.831	8.831	(0.912)	1623321	2.96954	11.645
$ 157 Phenol-d5	99	3.488	3.494	(0.924)	1742290	4.46635	17.515
$ 158 2-Fluorophenol	112	2.762	2.746	(0.731)	1237073	4.55531	17.864
$ 159 2,4,6-Tribromophenol	330	6.934	6.939	(1.104)	326479	5.17443	20.292
$ 186 2-Chlorophenol-d4	132	3.595	3.595	(0.952)	1065763	4.42734	17.362
$ 187 1,2-Dichlorobenzene-d4	152	3.900	3.905	(1.033)	390060	2.88381	11.309(Q)
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

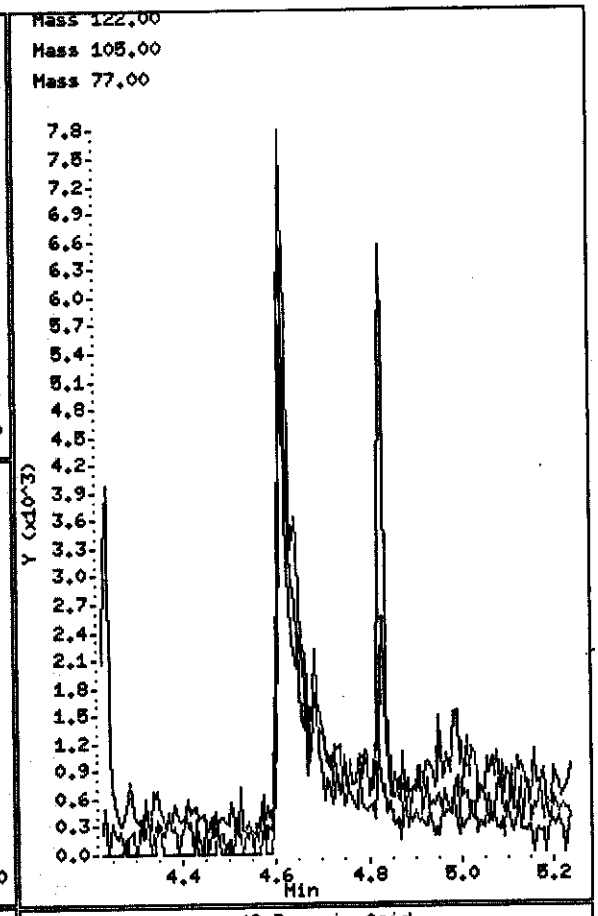
QC Flag Legend

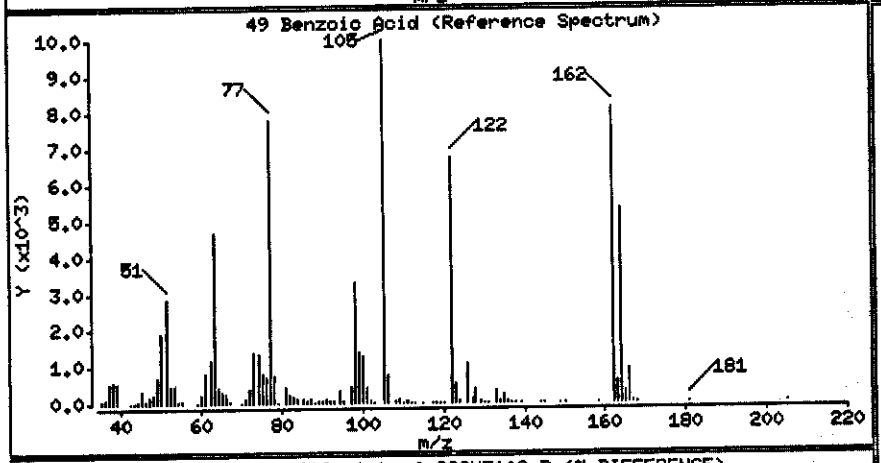
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

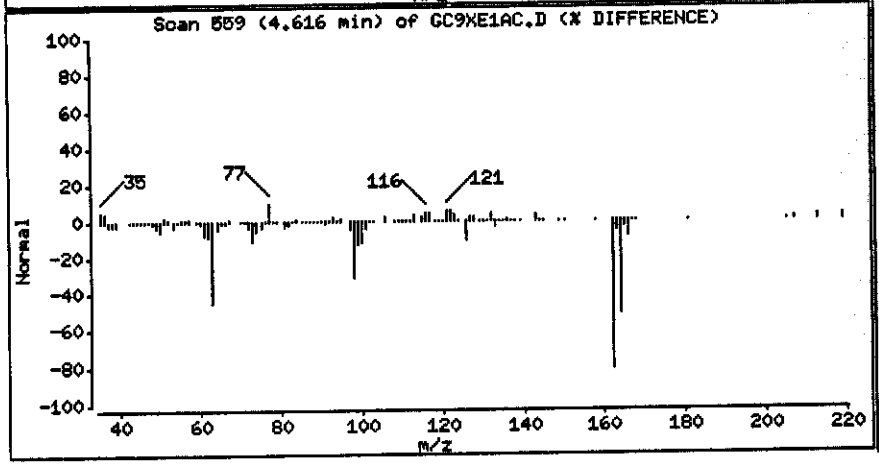
49 Benzoic Acid

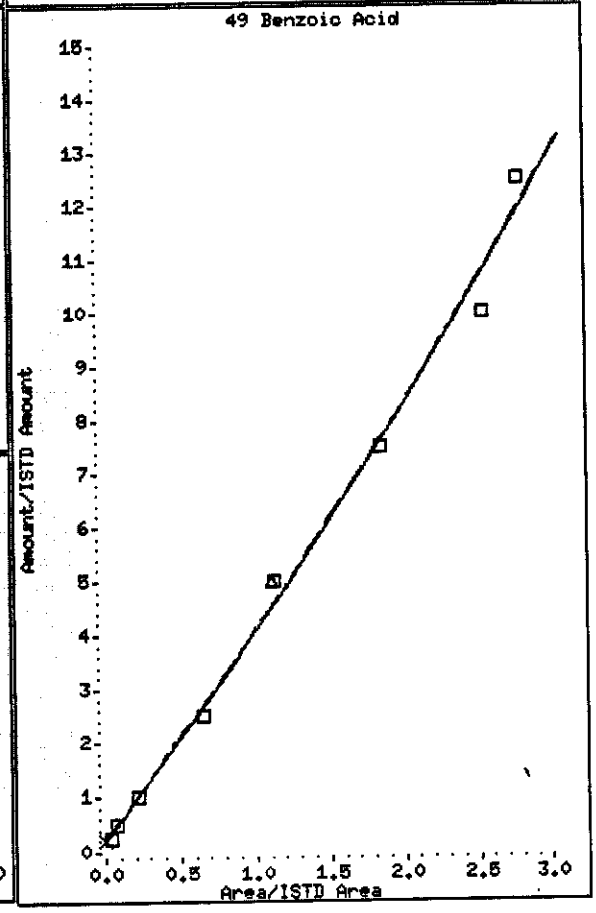












PAYNE FIRM INC.

Client Sample ID: P-1/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-007 **Work Order #...:** GC9XG1AC **Matrix.....:** WG
Date Sampled...: 03/30/04 08:52 **Date Received..:** 03/31/04
Prep Date.....: 04/01/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4091574
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: P-1/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-007 **Work Order #...:** GC9XG1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: P-1/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-007 **Work Order #...:** GC9XG1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: P-1/033004

GC/MS Semivolatiles

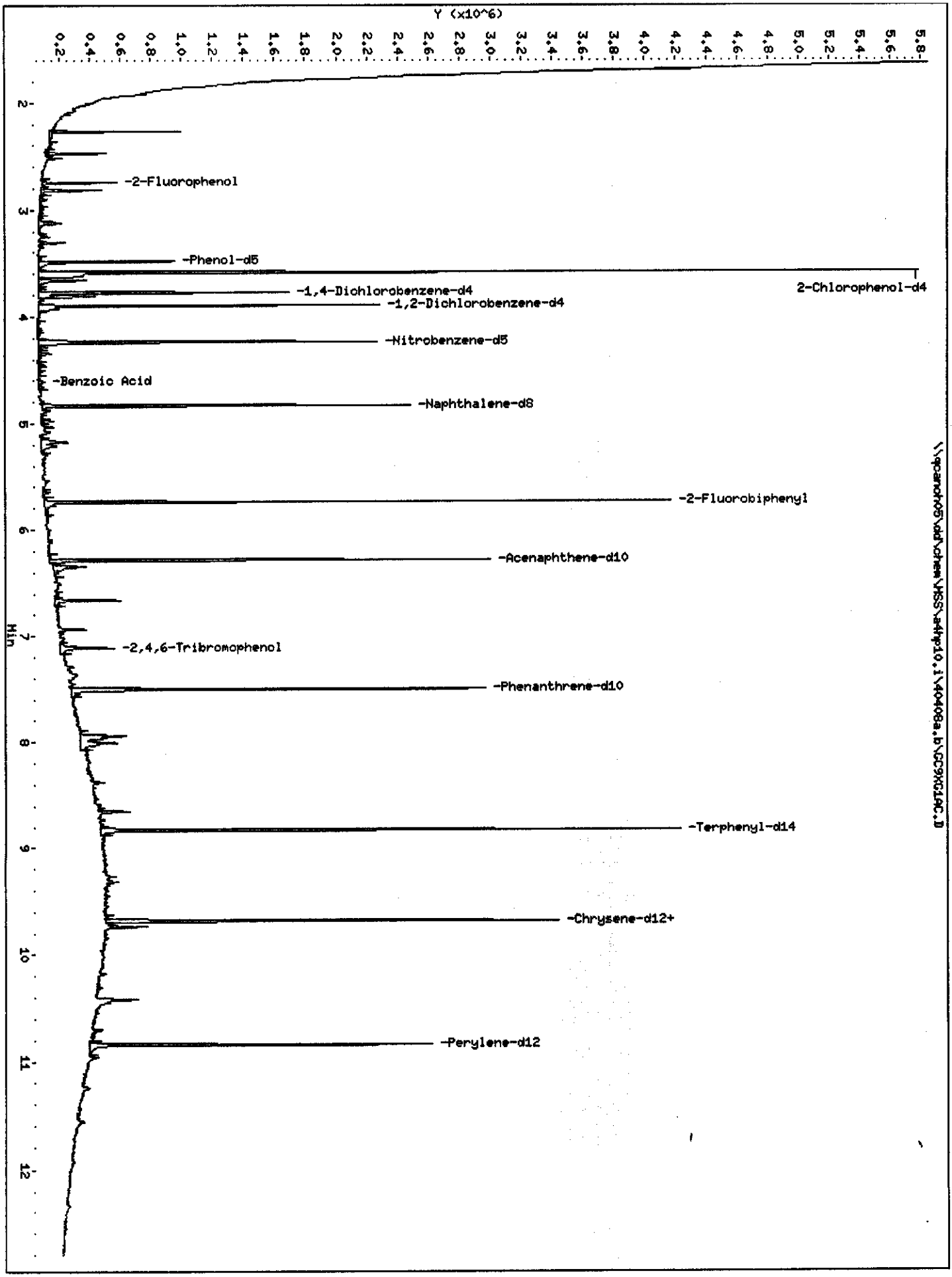
Lot-Sample #...: A4C310291-007 **Work Order #...:** GC9XG1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	65	(32 - 112)
2-Fluorobiphenyl	60	(30 - 110)
Terphenyl-d14	58	(10 - 144)
Phenol-d5	18	(10 - 113)
2-Fluorophenol	9.8 *	(13 - 110)
2,4,6-Tribromophenol	6.3 *	(21 - 122)

NOTE(S):

* Surrogate recovery is outside stated control limits.


Y (x10^6)
-2-Fluorophenol
-Phenol-d5
2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Benzoic Acid
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
Min

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\GC9XG1AC.D
Lab Smp Id: GC9XG1AC Client Smp ID: P-1/033004
Inj Date : 08-APR-2004 14:44
Operator : 046900 Inst ID: a4hp10.i
Smp Info : gc9xg1ac,40408a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 12-Apr-2004 09:27 ulmanm Quant Type: ISTD
Cal Date : 08-APR-2004 11:20 Cal File: 1THHH0408.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1020.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.777	3.777	(1.000)	206044	2.00000	(M)
* 2 Naphthalene-d8	136	4.829	4.835	(1.000)	818036	2.00000	
* 3 Acenaphthene-d10	164	6.282	6.288	(1.000)	451609	2.00000	
* 4 Phenanthrene-d10	188	7.500	7.506	(1.000)	786719	2.00000	
* 5 Chrysene-d12	240	9.680	9.691	(1.000)	772770	2.00000	
* 6 Perylene-d12	264	10.839	10.845	(1.000)	540163	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	4.615	4.733	(0.956)	8280	0.47560	1.8651(QMH)
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					

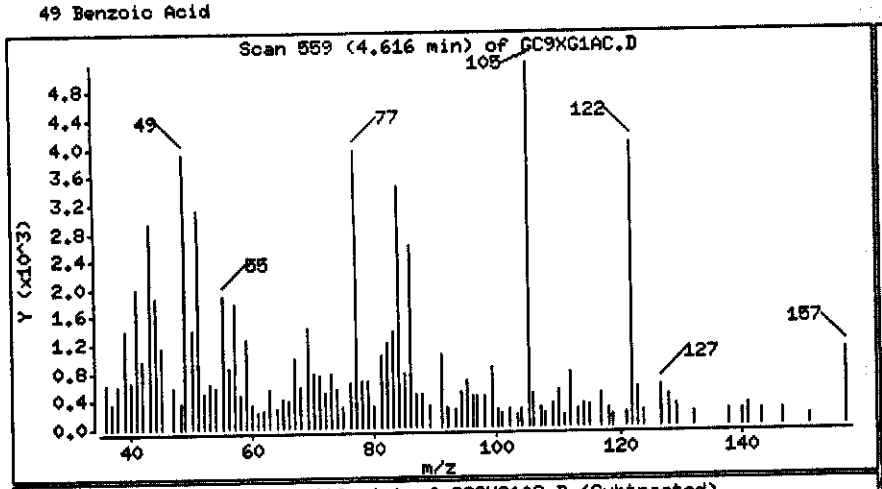
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
74	1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75	1,4-Naphthoquinone	158	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
77	m-Dinitrobenzene	168	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	Compound Not Detected.					
80	1,2-Dinitrobenzene	168	Compound Not Detected.					
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	Compound Not Detected.					
83	2,4-Dinitrophenol	184	Compound Not Detected.					
84	Pentachlorobenzene	250	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	Compound Not Detected.					
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89	1-Naphthylamine	143	Compound Not Detected.					
90	Zinophos	97	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
101	Diphenylamine	169	Compound Not Detected.					
102	Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103	Diallate 1	86	Compound Not Detected.					
M 189	Diallate, Total	100	Compound Not Detected.					
104	Phorate	121	Compound Not Detected.					
105	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	284	Compound Not Detected.					
212	Atrazine	200	Compound Not Detected.					
108	Phenacetin	108	Compound Not Detected.					
109	Diallate 2	86	Compound Not Detected.					
110	Dimethoate	87	Compound Not Detected.					
111	Pentachlorophenol	266	Compound Not Detected.					
112	Pentachloronitrobenzene	237	Compound Not Detected.					
113	4-Aminobiphenyl	169	Compound Not Detected.					
114	Pronamide	173	Compound Not Detected.					
115	Phenanthrene	178	Compound Not Detected.					
116	Anthracene	178	Compound Not Detected.					
117	Dinoseb	211	Compound Not Detected.					
118	Disulfoton	88	Compound Not Detected.					
119	Carbazole	167	Compound Not Detected.					
120	Di-n-Butylphthalate	149	Compound Not Detected.					
121	4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122	Methapyrilene	58	Compound Not Detected.					
123	Fluoranthene	202	Compound Not Detected.					
124	Benzidine	184	Compound Not Detected.					
125	Pyrene	202	Compound Not Detected.					
126	Aramite 1	185	Compound Not Detected.					

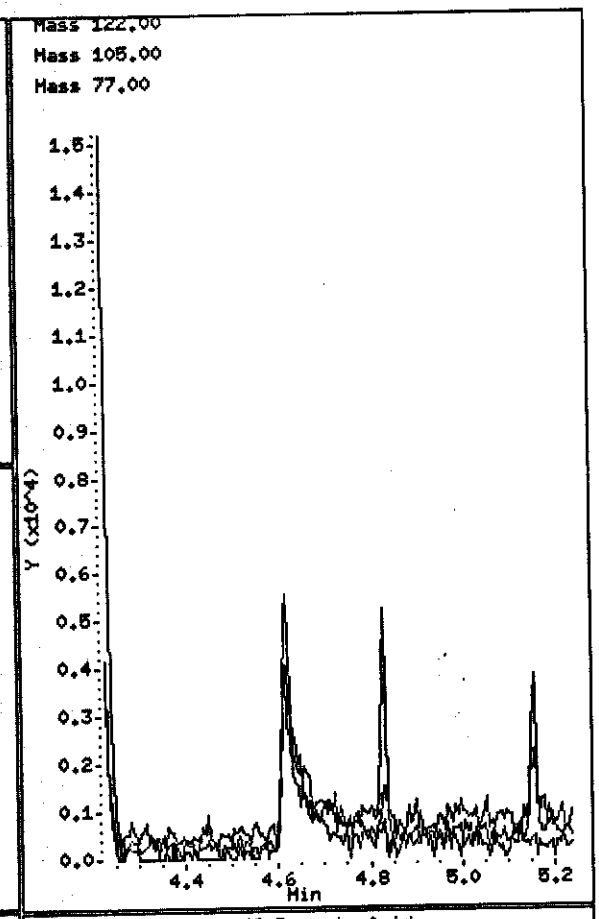
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
M 229 Famphur,Total	100	Compound Not Detected.					
230 Famphur 2	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	9.733	9.739	(1.006)	52328	0.16440	0.64470(Q)
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.236	4.247	(0.877)	642883	3.24729	12.734
$ 155 2-Fluorobiphenyl	172	5.737	5.743	(0.913)	836520	2.98610	11.710
$ 156 Terphenyl-d14	244	8.825	8.831	(0.912)	903300	2.92277	11.462
$ 157 Phenol-d5	99	3.488	3.494	(0.924)	317595	1.33330	5.2286
$ 158 2-Fluorophenol	112	2.746	2.746	(0.727)	121958	0.73545	2.8841
$ 159 2,4,6-Tribromophenol	330	6.934	6.939	(1.104)	17069	0.47245	1.8527
$ 186 2-Chlorophenol-d4	132	3.590	3.595	(0.951)	166750	1.13441	4.4487
$ 187 1,2-Dichlorobenzene-d4	152	3.900	3.905	(1.033)	226786	2.74582	10.768(Q)
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	1.693	1.688	(0.448)	124274	1.73952	6.8216(M)
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

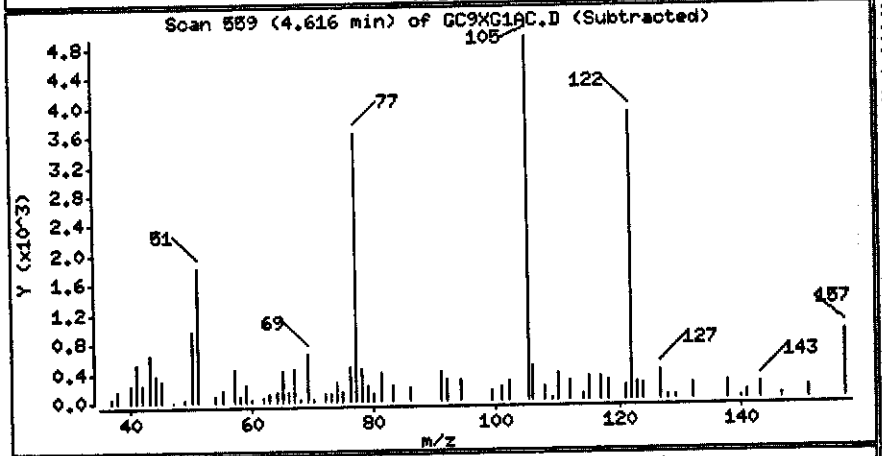
QC Flag Legend

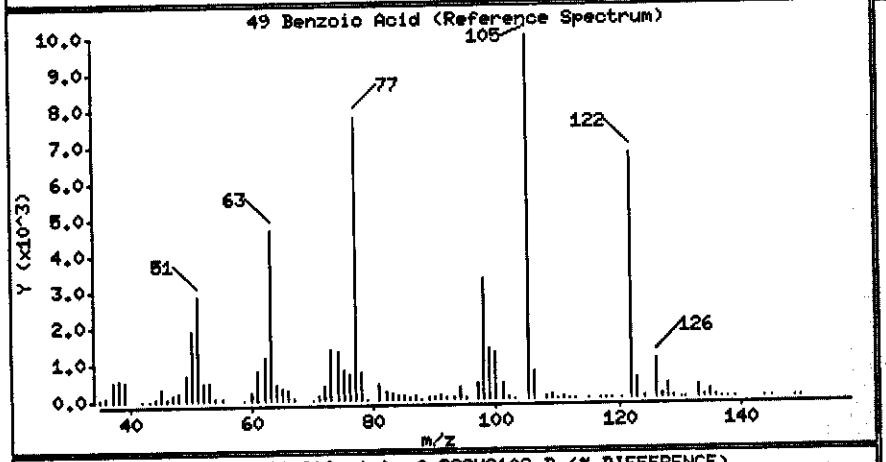
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

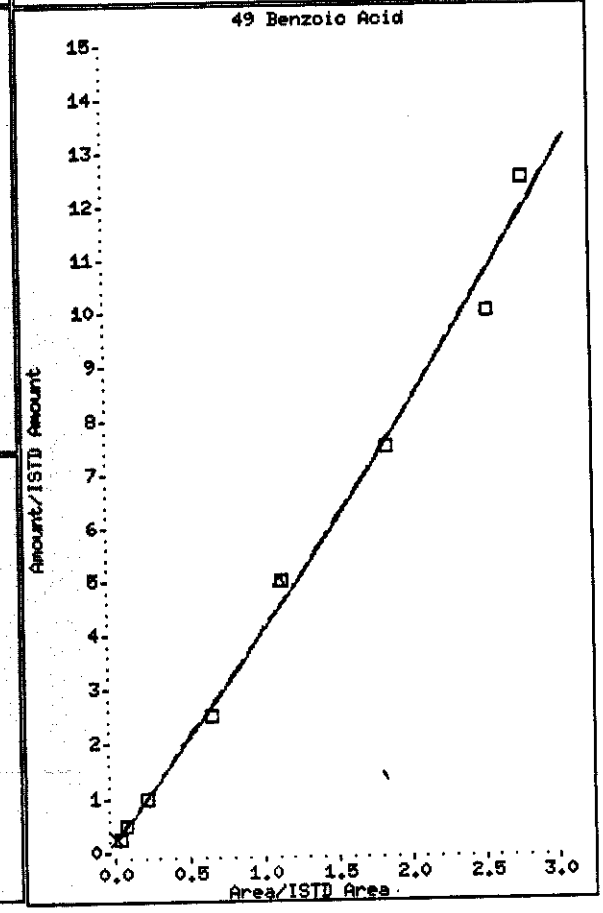
49 Benzoic Acid

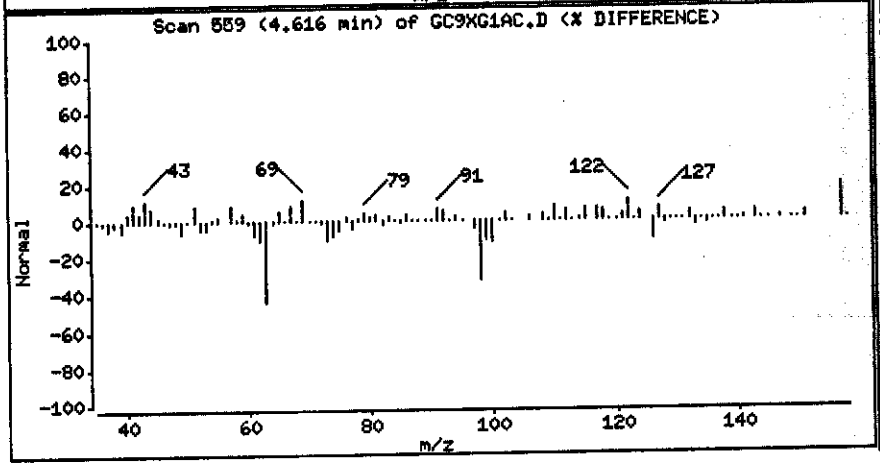




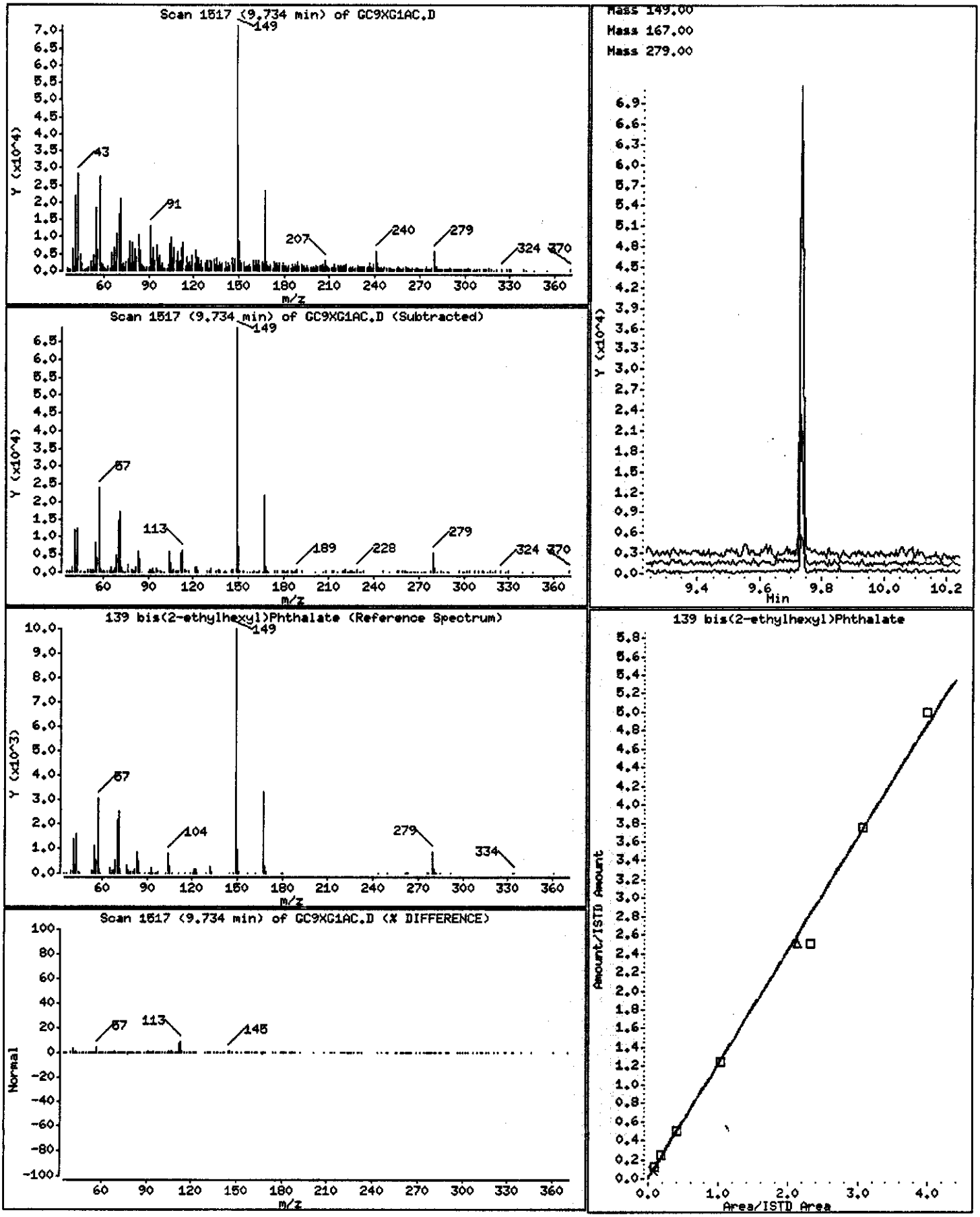




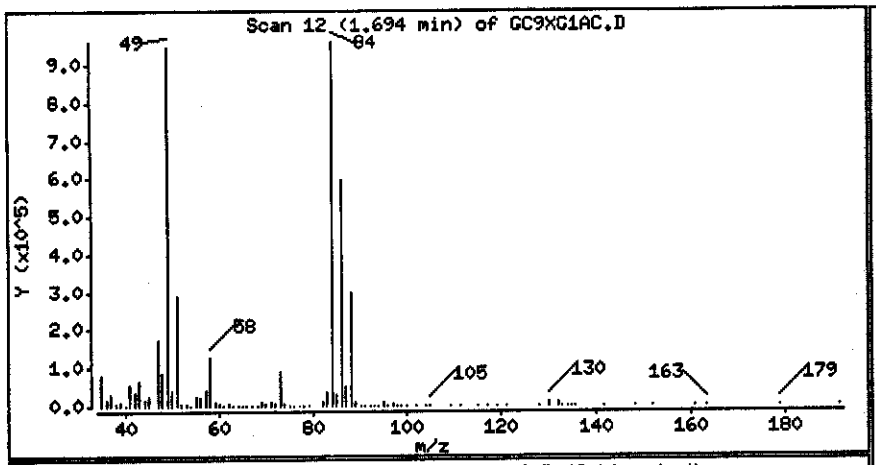


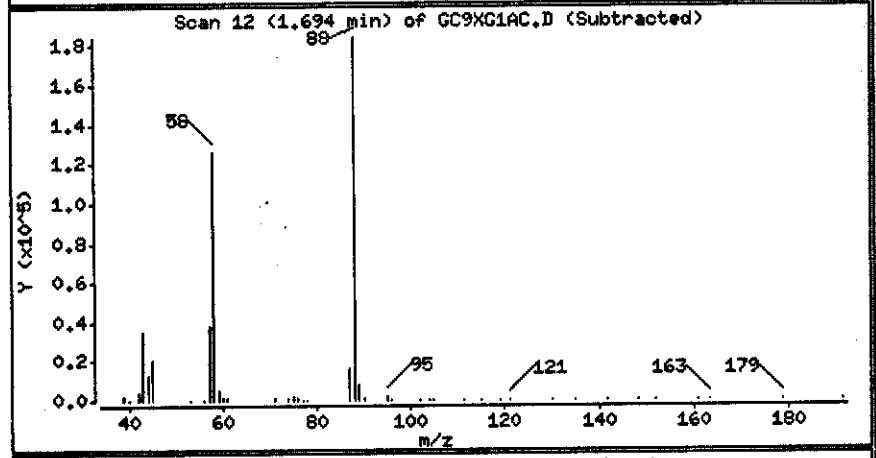


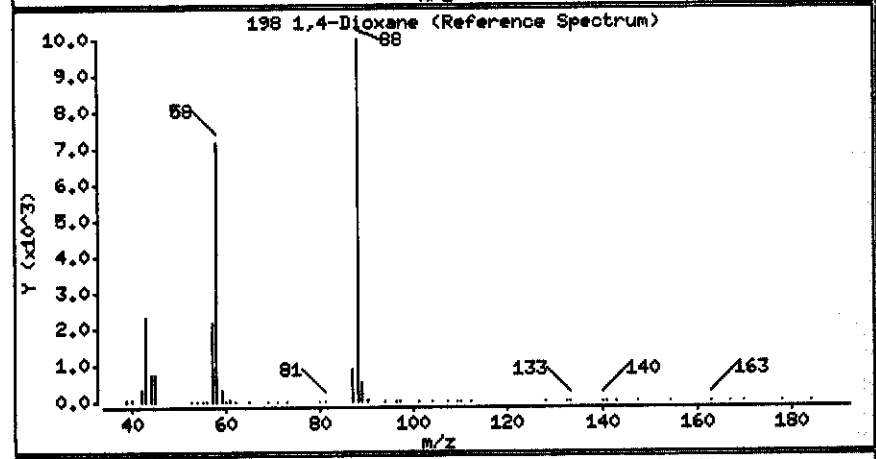
139 bis(2-ethylhexyl)Phthalate

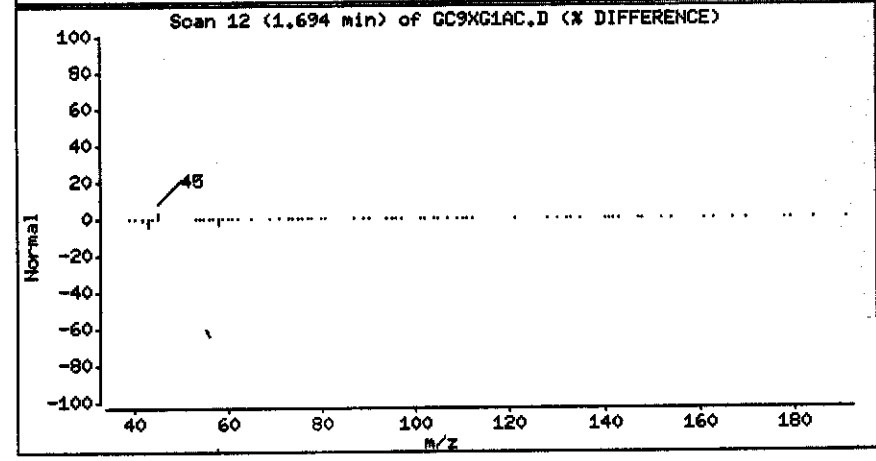


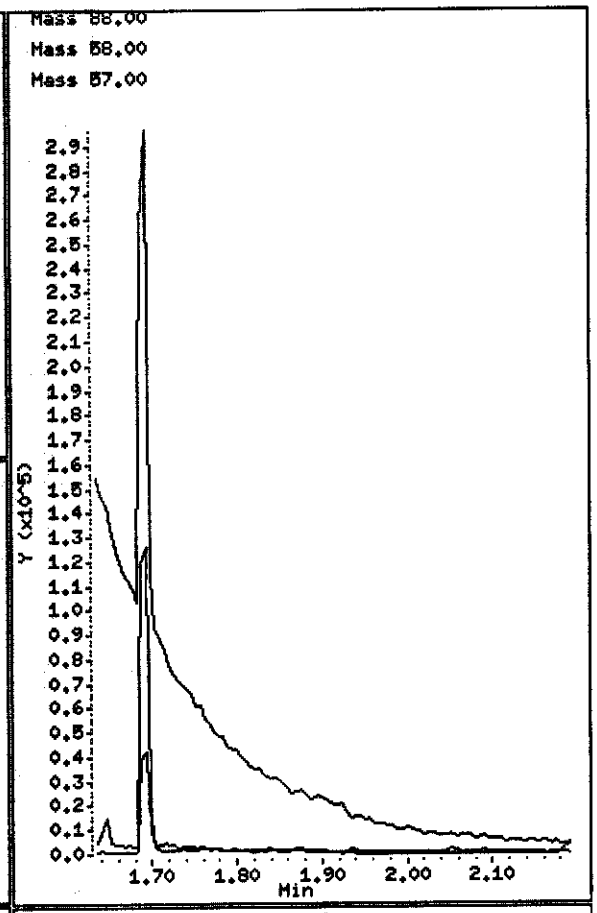
198 1,4-Dioxane

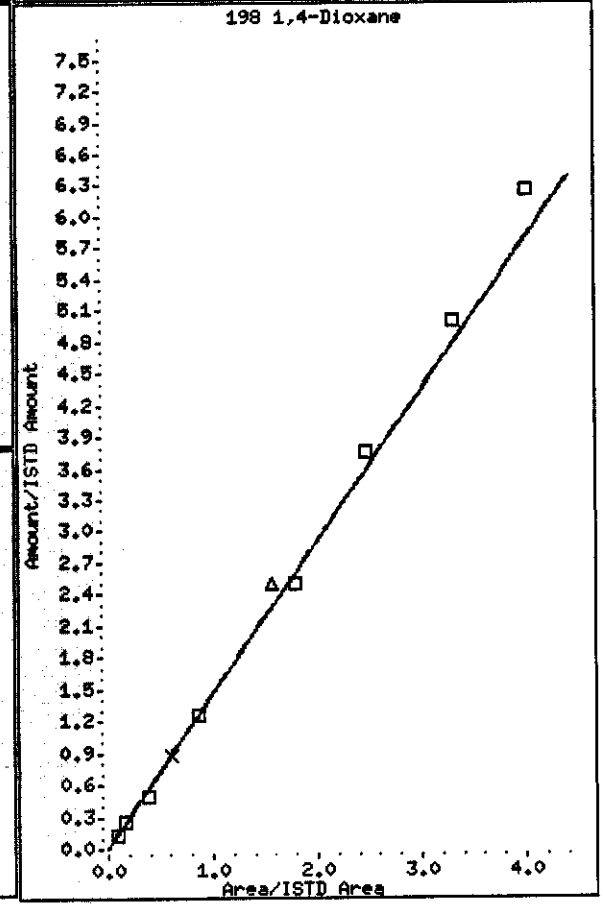












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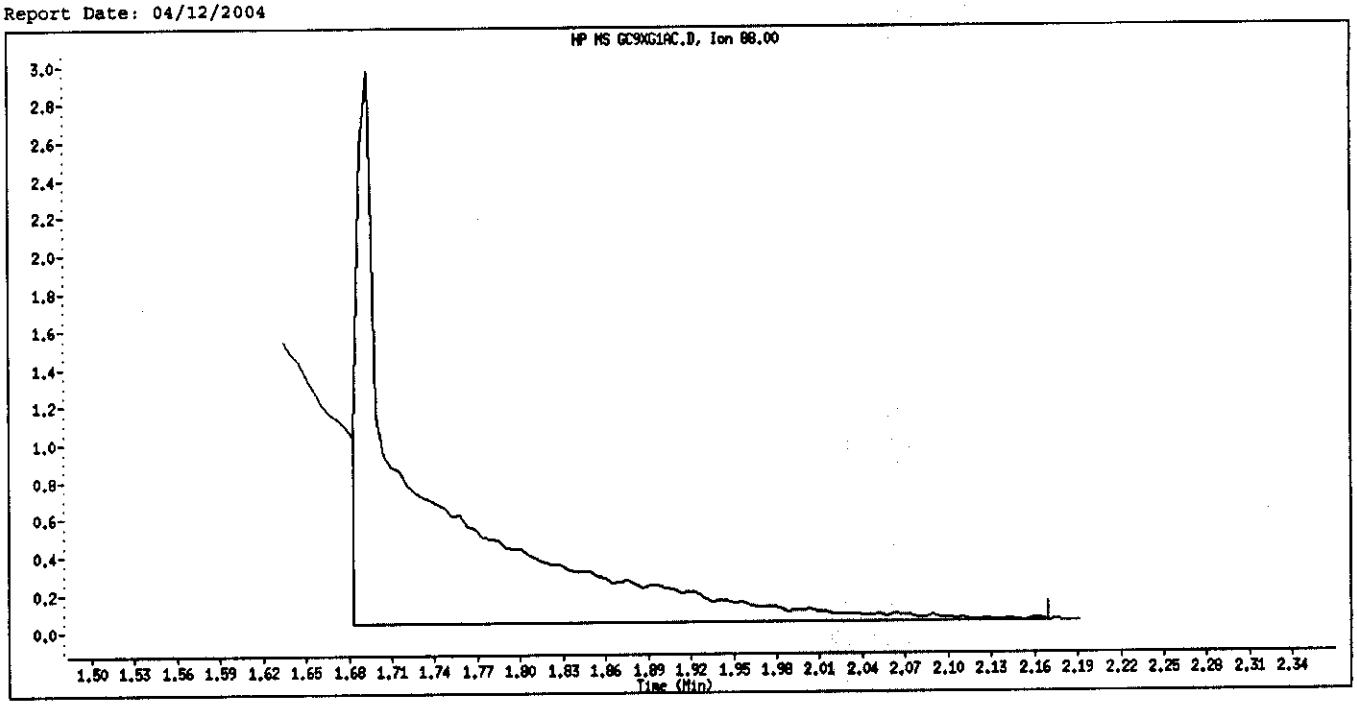
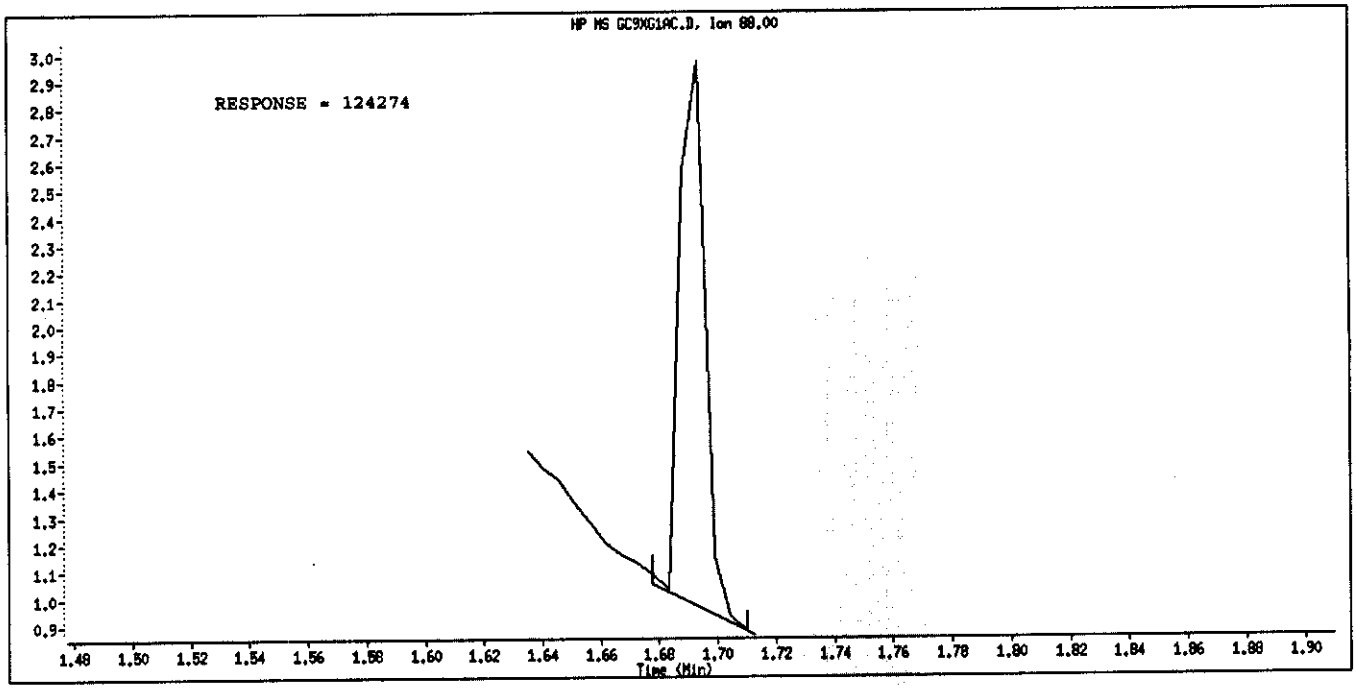
Client ID: P-1/033004
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/12/2004



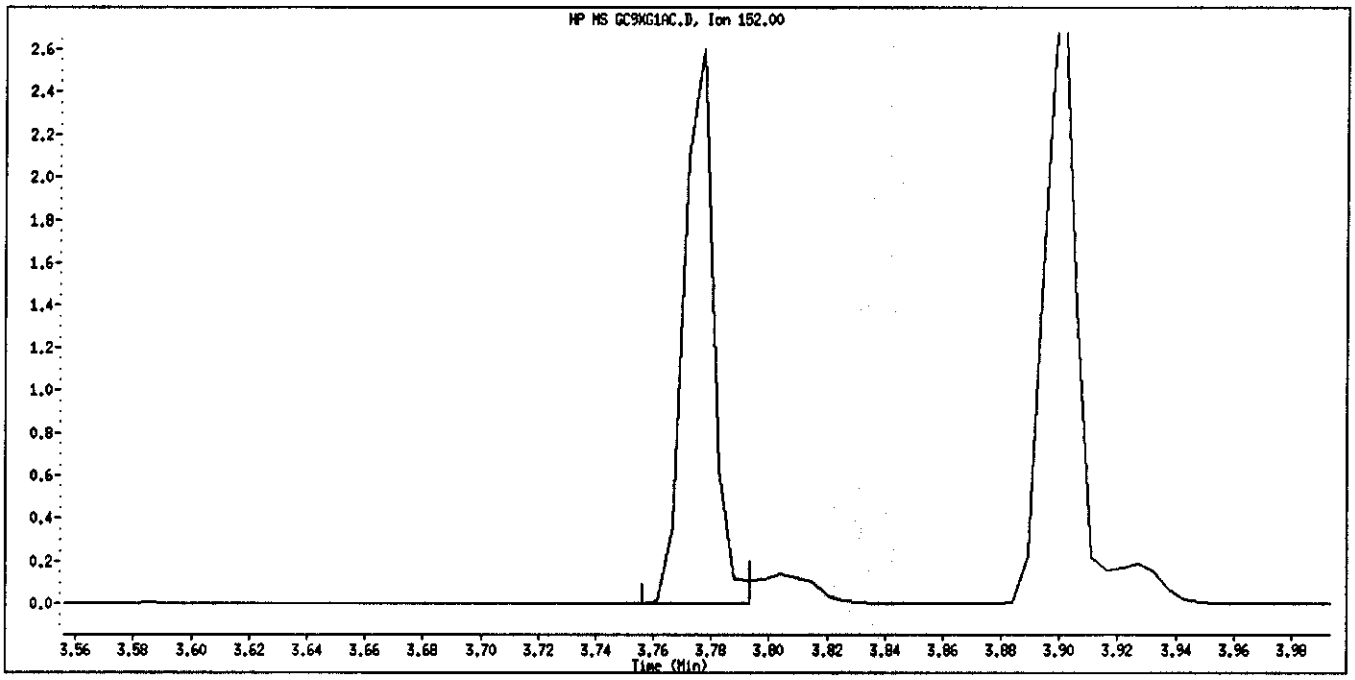
Original Integration



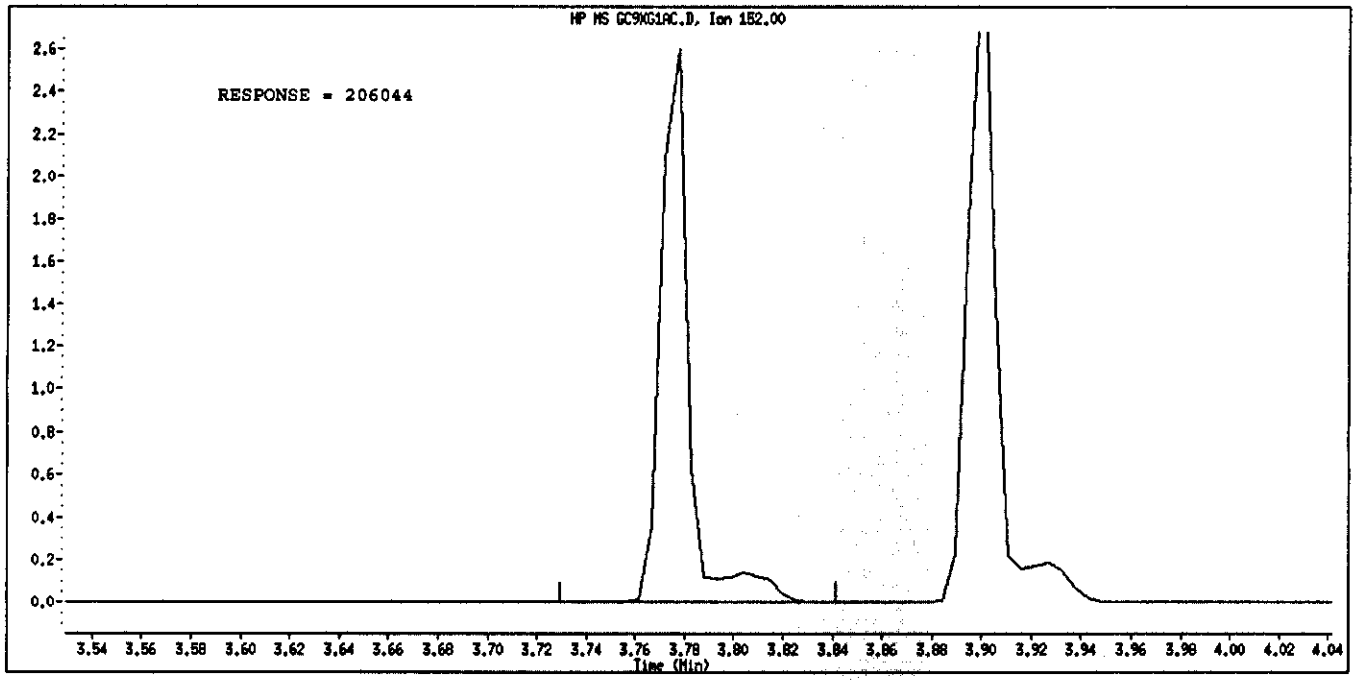
Manual Integration

Manually Integrated By: ulmanm
Manual Integration Reason: Poor Chromatography

Data File Name: GC9XG1AC.D
Inj. Date and Time: 08-APR-2004 14:44
Instrument ID: a4hp10.i
Client ID: P-1/033004
Compound Name: 1,4-Dichlorobenzene-d4
CAS #: 3855-82-1
Report Date: 04/12/2004



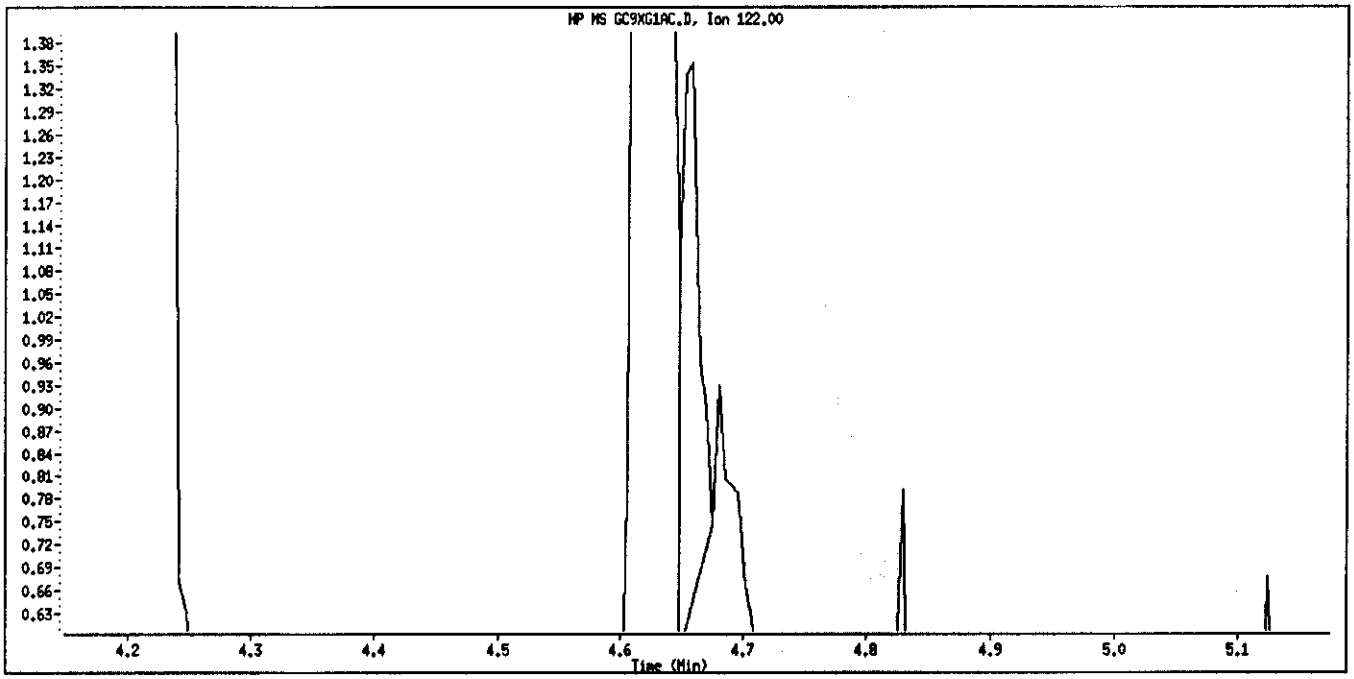
Original Integration



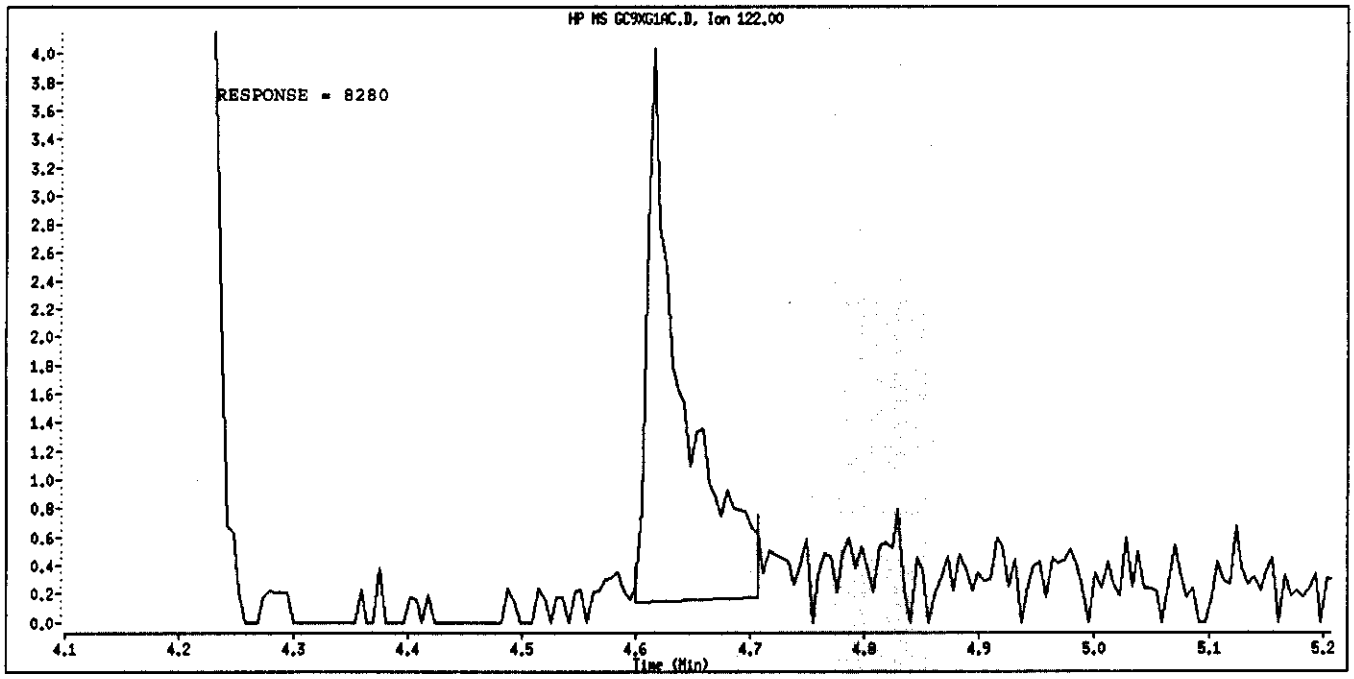
Manual Integration

Manually Integrated By: ulmanm
Manual Integration Reason: Poor Chromatography

Data File Name: GC9XG1AC.D
Inj. Date and Time: 08-APR-2004 14:44
Instrument ID: a4hp10.i
Client ID: P-1/033004
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: ulmanm
Manual Integration Reason: Poor Chromatography

PAYNE FIRM INC.

Client Sample ID: P-1/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-007 **Work Order #...:** GC9XG2AC **Matrix.....:** WG
Date Sampled...: 03/30/04 08:52 **Date Received..:** 03/31/04
Prep Date.....: 04/13/04 **Analysis Date..:** 04/14/04
Prep Batch #...: 4104113
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: P-1/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-007 **Work Order #...:** GC9XG2AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: P-1/033004

GC/MS Semivolatiles

Lot-Sample #...: A4C310291-007 **Work Order #...:** GC9XG2AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: P-1/033004

GC/MS Semivolatiles

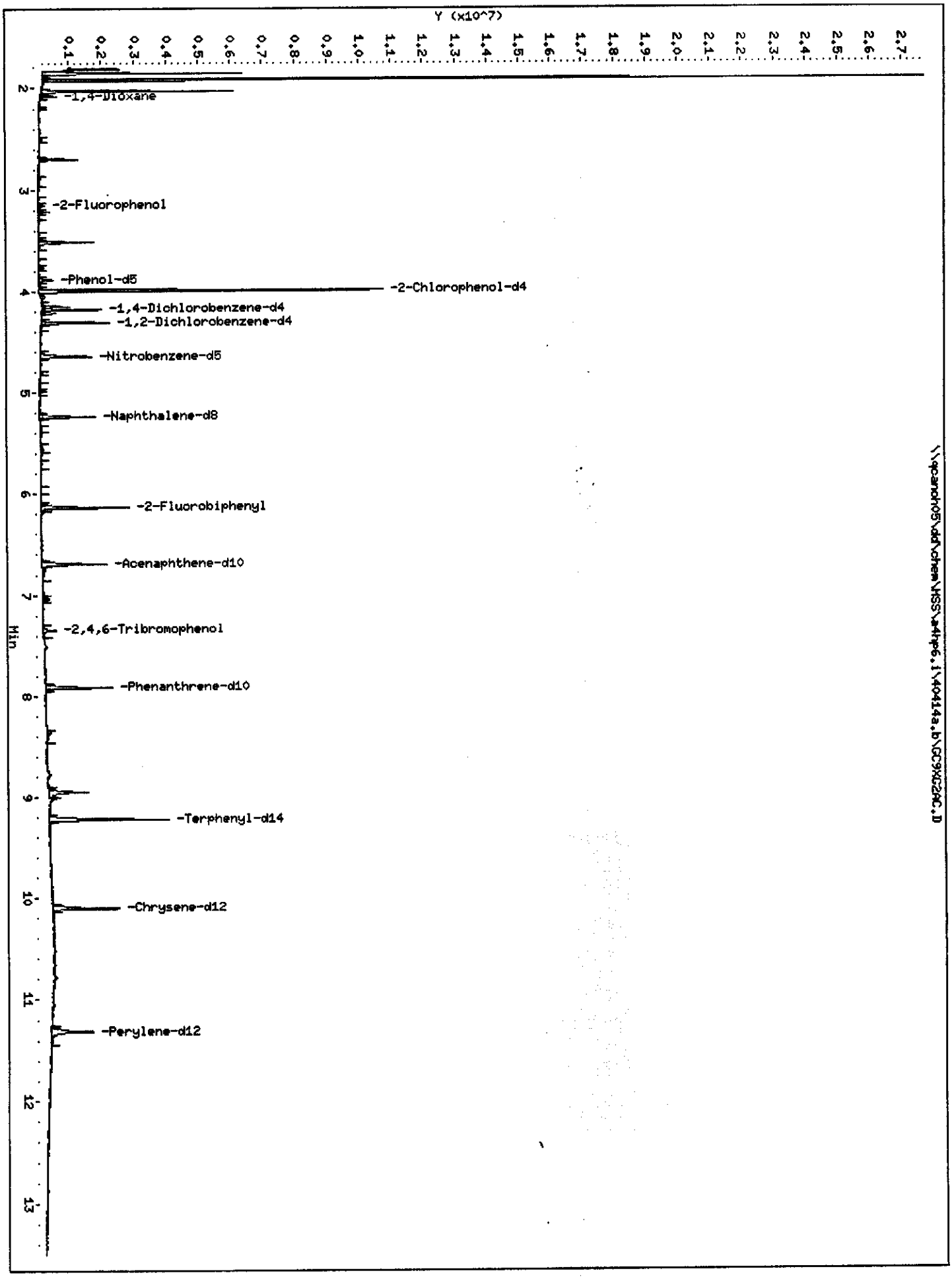
Lot-Sample #...: A4C310291-007 **Work Order #...:** GC9XG2AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	55	(32 - 112)
2-Fluorobiphenyl	55	(30 - 110)
Terphenyl-d14	77	(10 - 144)
Phenol-d5	7.8 *	(10 - 113)
2-Fluorophenol	2.7 *	(13 - 110)
2,4,6-Tribromophenol	14 *	(21 - 122)

NOTE(S):

* Surrogate recovery is outside stated control limits.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-1,4-Dioxane
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12
Min
2 3 4 5 6 7 8 9 10 11 12 13
\\pcarch05\dd\chem\HSS\e4hp6.i\40414a.b\GC9XG2AC.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\GC9XG2AC.D
Lab Smp Id: GC9XG2AC Client Smp ID: P-1/033004
Inj Date : 14-APR-2004 14:03
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gc9xg2ac,40414a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m
Meth Date : 15-Apr-2004 13:38 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1010.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.180	4.184	(1.000)	202175	2.00000	(Q)
* 2 Naphthalene-d8	136	5.235	5.238	(1.000)	742639	2.00000	
* 3 Acenaphthene-d10	164	6.693	6.696	(1.000)	438369	2.00000	
* 4 Phenanthrene-d10	188	7.917	7.920	(1.000)	766007	2.00000	
* 5 Chrysene-d12	240	10.100	10.109	(1.000)	733576	2.00000	
* 6 Perylene-d12	264	11.314	11.315	(1.000)	529954	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

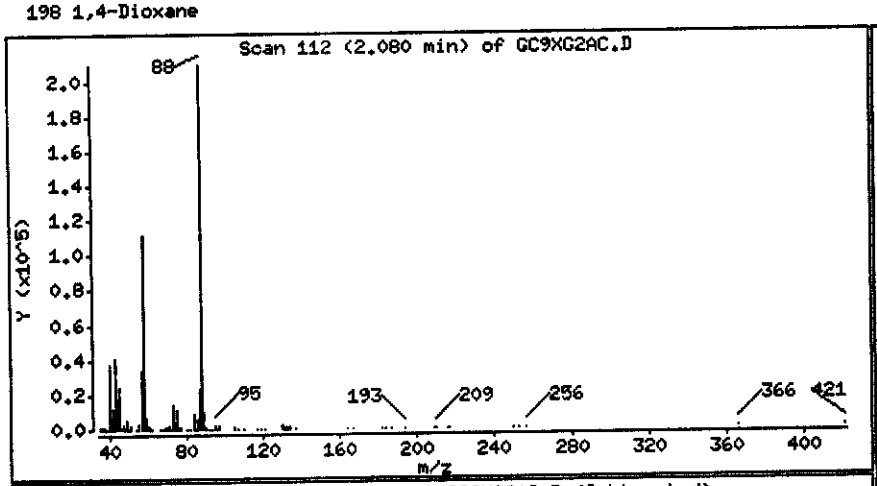
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

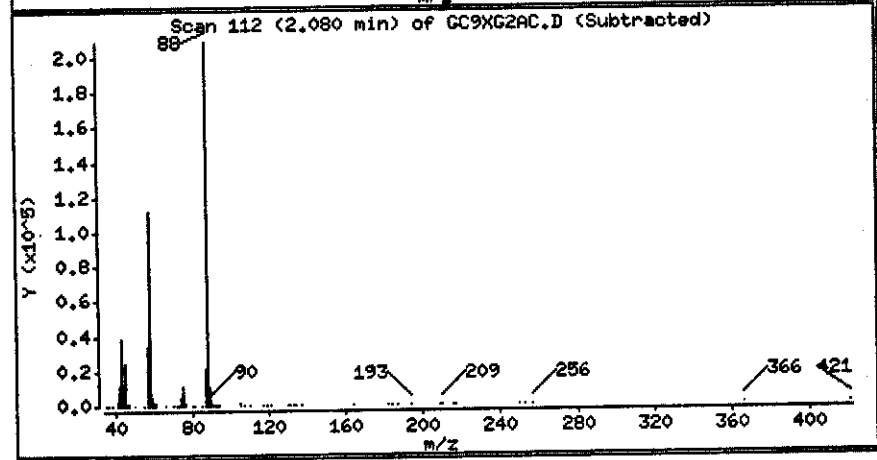
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.643	4.649	(0.887)	688914	2.76569	10.953
$ 155 2-Fluorobiphenyl	172	6.135	6.138	(0.917)	805038	2.75848	10.925
$ 156 Terphenyl-d14	244	9.220	9.221	(0.913)	1079386	3.86993	15.326
$ 157 Phenol-d5	99	3.882	3.888	(0.929)	136777	0.58304	2.3091
$ 158 2-Fluorophenol	112	3.154	3.155	(0.755)	29810	0.20076	0.79509
$ 159 2,4,6-Tribromophenol	330	7.348	7.352	(1.098)	36297	1.07665	4.2640
$ 186 2-Chlorophenol-d4	132	4.000	4.004	(0.957)	109742	0.80636	3.1935
$ 187 1,2-Dichlorobenzene-d4	152	4.312	4.312	(1.031)	236376	2.88680	11.433
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	2.080	2.068	(0.498)	122927	1.46282	5.7933
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

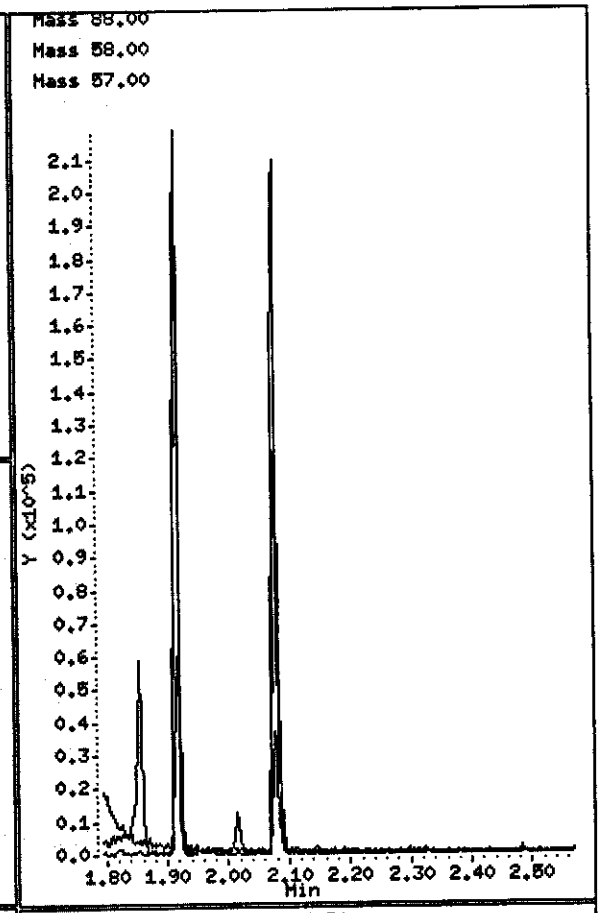
QC Flag Legend

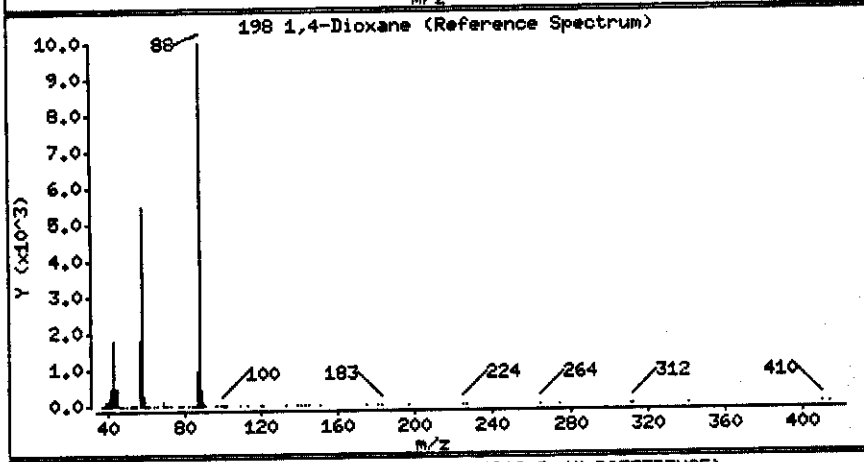
Q - Qualifier signal failed the ratio test.

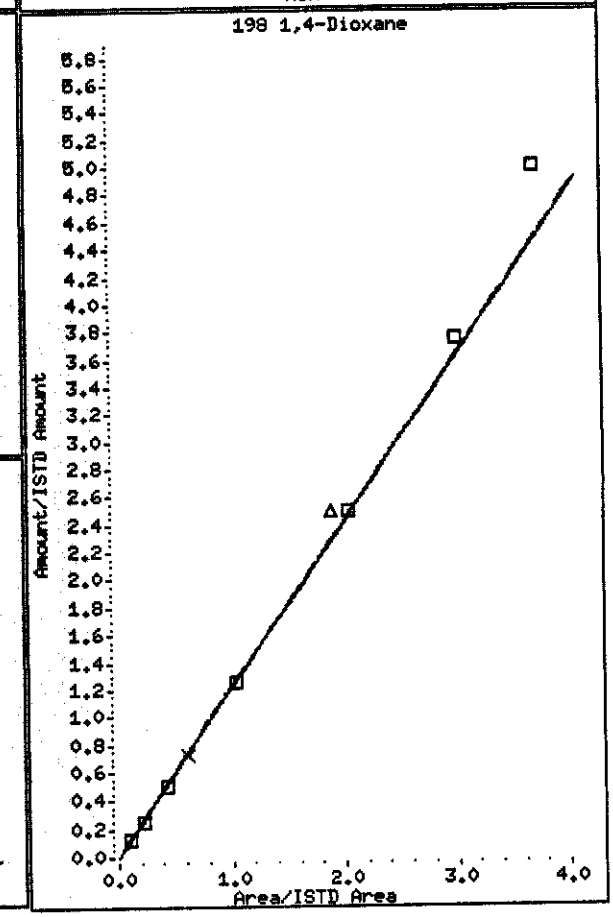
198 1,4-Dioxane

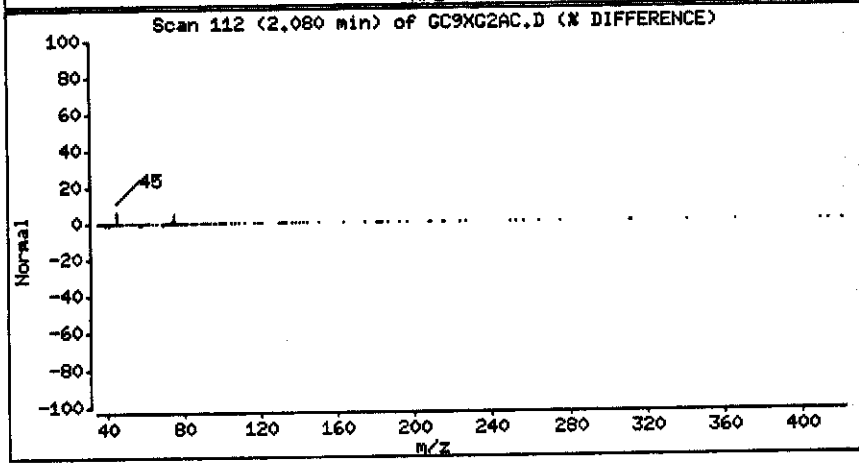












PAYNE FIRM INC.

Client Sample ID: MW-8/033104

GC/MS Semivolatiles

Lot-Sample #...: A4D010333-002 **Work Order #...:** GDDMJ1AC **Matrix.....:** WG
Date Sampled...: 03/31/04 10:55 **Date Received..:** 04/01/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/13/04
Prep Batch #...: 4097208
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-8/033104

GC/MS Semivolatiles

Lot-Sample #...: A4D010333-002 **Work Order #...:** GDDMJ1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

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PAYNE FIRM INC.

Client Sample ID: MW-8/033104

GC/MS Semivolatiles

Lot-Sample #...: A4D010333-002 **Work Order #...:** GDDMJ1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

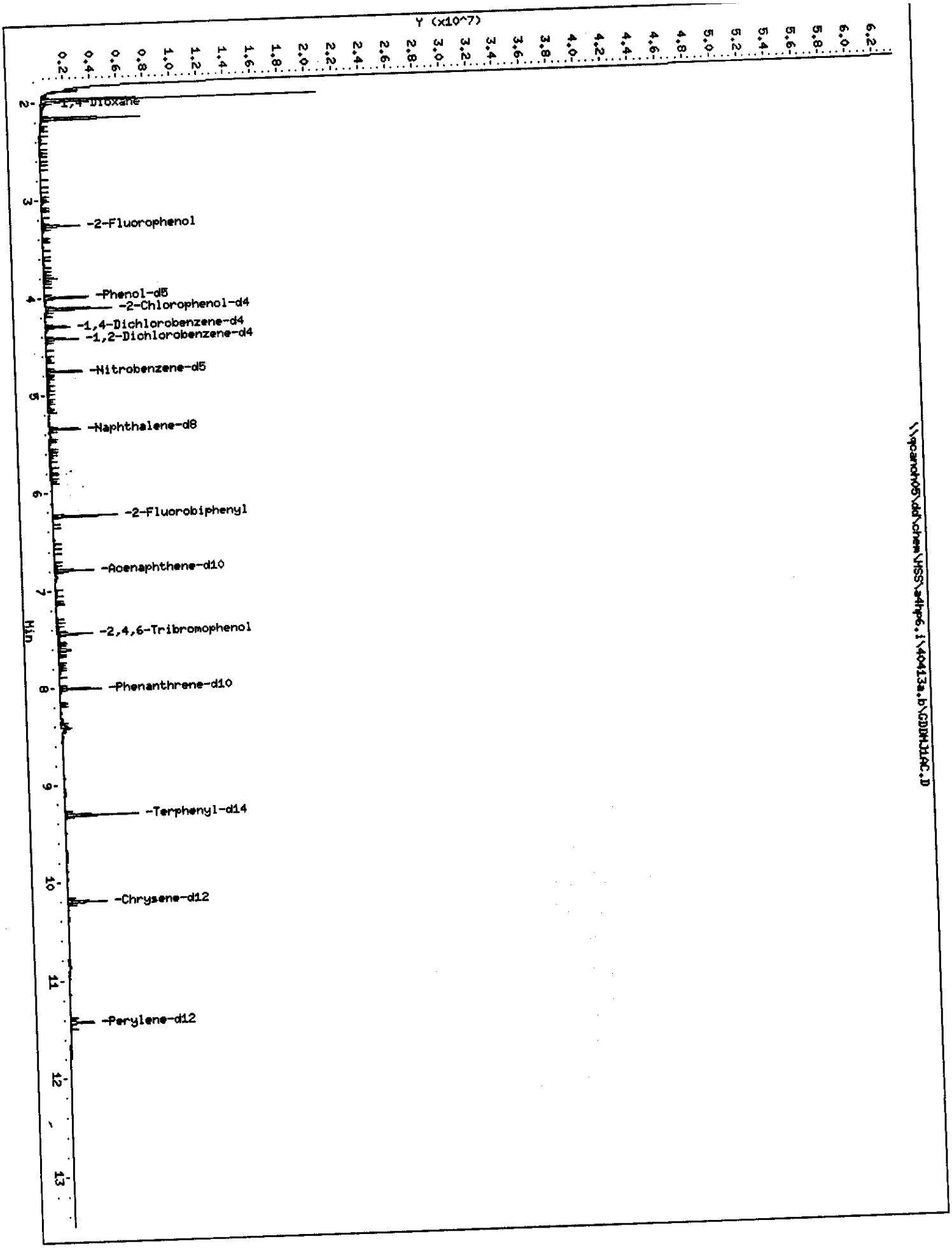
Client Sample ID: MW-8/033104

GC/MS Semivolatiles

Lot-Sample #...: A4D010333-002 **Work Order #...:** GDDMJ1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(32 - 112)
2-Fluorobiphenyl	71	(30 - 110)
Terphenyl-d14	83	(10 - 144)
Phenol-d5	64	(10 - 113)
2-Fluorophenol	58	(13 - 110)
2,4,6-Tribromophenol	68	(21 - 122)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1,4-Dioxane
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12
Min
\\qcanch05\dd\chem\HSS\e4hp6.i\40413a.b\GDIMH1AC.D

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40413a.b\GDDMJ1AC.D
Report Date: 14-Apr-2004 10:12

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40413a.b\GDDMJ1AC.D
Lab Smp Id: GDDMJ1AC Client Smp ID: MW-8/033104
Inj Date : 13-APR-2004 17:03 Inst ID: a4hp6.i
Operator : 001710
Smp Info : gddmj1ac,40413a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40413a.b\8270p.m
Meth Date : 14-Apr-2004 10:03 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 27
Dil Factor: 1.00000 Compound Sublist: 5-8270ap9.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
* 1 1,4-Dichlorobenzene-d4	152	4.296	4.223	(1.000)	167313	2.00000		
* 2 Naphthalene-d8	136	5.342	5.280	(1.000)	699835	2.00000		
* 3 Acenaphthene-d10	164	6.792	6.738	(1.000)	407677	2.00000		(H)
* 4 Phenanthrene-d10	188	8.011	7.959	(1.000)	725727	2.00000		
* 5 Chrysene-d12	240	10.194	10.147	(1.000)	694550	2.00000		
* 6 Perylene-d12	264	11.424	11.364	(1.000)	493114	2.00000		
7 N-Nitrosomorpholine	56	Compound Not Detected.						
8 Ethyl methanesulfonate	79	Compound Not Detected.						
9 Pyridine	79	Compound Not Detected.						
10 N-Nitrosodimethylamine	74	Compound Not Detected.						
11 Ethyl methacrylate	69	Compound Not Detected.						
12 3-Chloropropionitrile	54	Compound Not Detected.						
13 Malononitrile	66	Compound Not Detected.						
209 Benzaldehyde	77	Compound Not Detected.						
14 2-Picoline	93	Compound Not Detected.						
15 N-Nitrosomethylethylamine	88	Compound Not Detected.						
16 Methyl methanesulfonate	80	Compound Not Detected.						
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.						
19 N-Nitrosodiethylamine	102	Compound Not Detected.						
21 Aniline	93	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

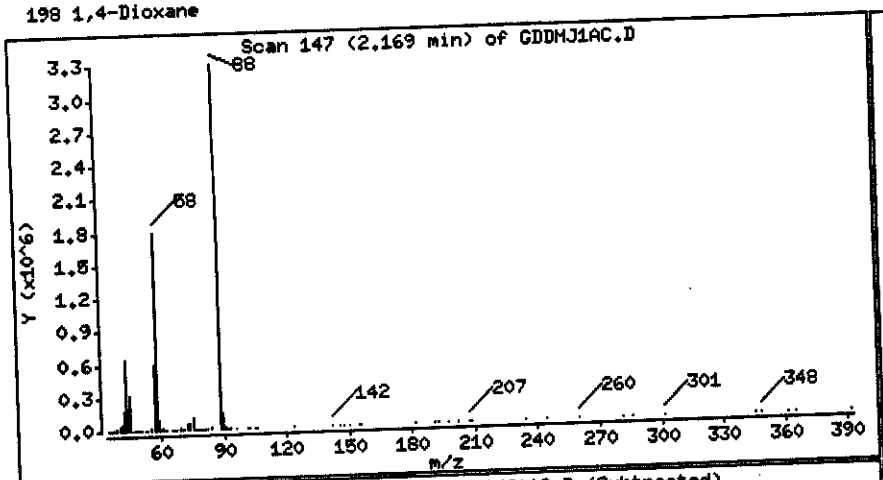
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

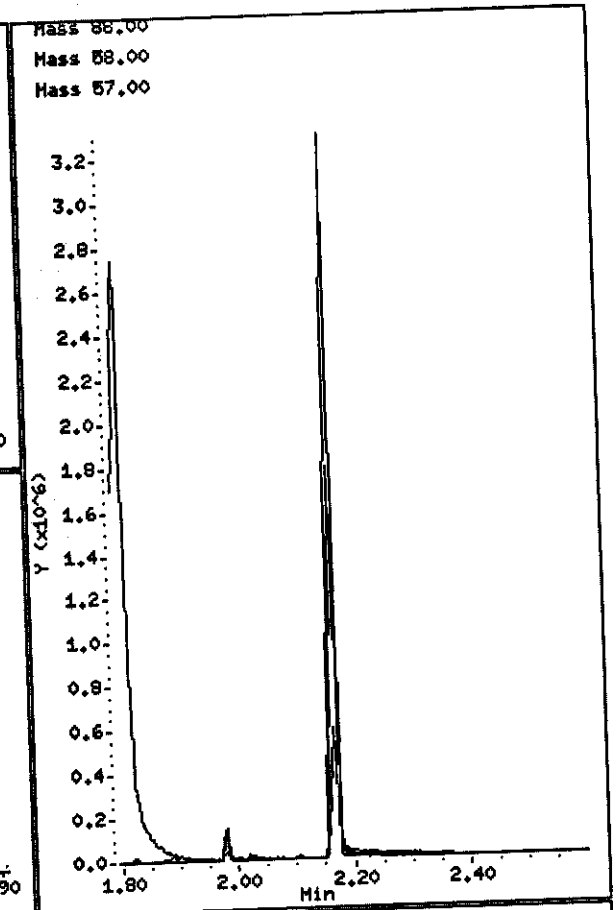
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.756	4.691	(0.890)	845714	3.60284	14.411
$ 155 2-Fluorobiphenyl	172	6.234	6.180	(0.928)	961036	3.54093	14.164
$ 156 Terphenyl-d14	244	9.310	9.260	(0.913)	1093663	4.14144	16.566
$ 157 Phenol-d5	99	3.992	3.922	(0.929)	938581	4.83453	19.338
$ 158 2-Fluorophenol	112	3.264	3.192	(0.760)	536218	4.36373	17.455
$ 159 2,4,6-Tribromophenol	330	7.443	7.391	(1.108)	160391	5.11573	20.463
$ 186 2-Chlorophenol-d4	132	4.113	4.040	(0.957)	559248	4.96542	19.862
$ 187 1,2-Dichlorobenzene-d4	152	4.422	4.354	(1.029)	232893	3.43690	13.748
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	2.169	2.099	(0.505)	2529346	36.3705	145.48
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

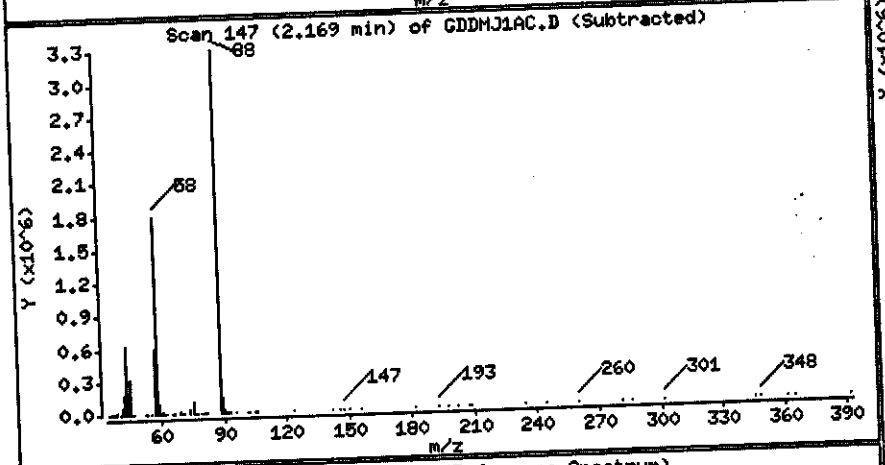
QC Flag Legend

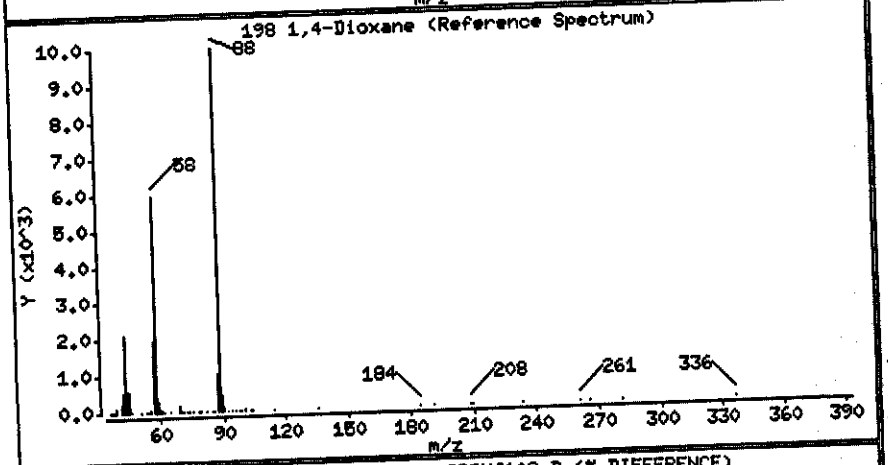
H - Operator selected an alternate compound hit.

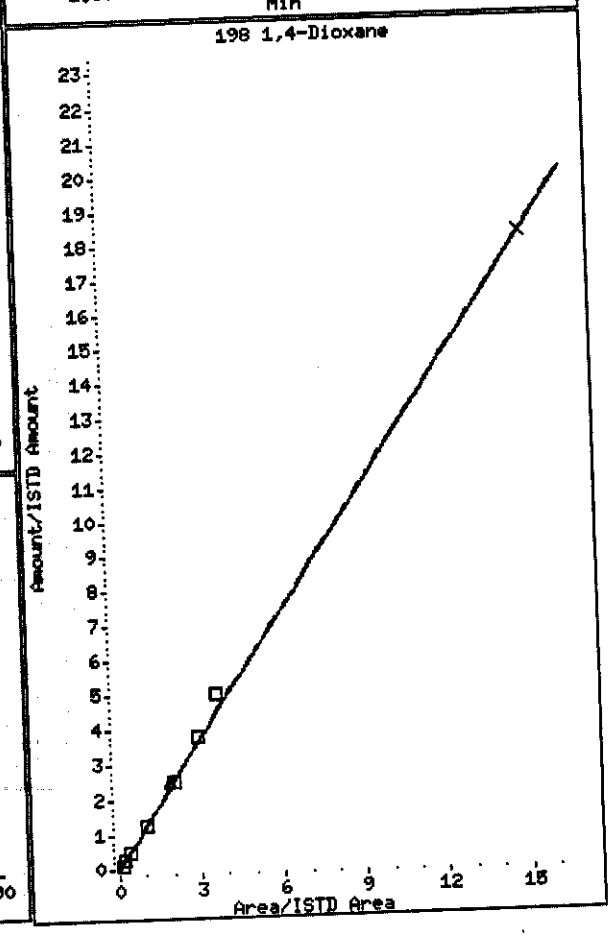
198 1,4-Dioxane

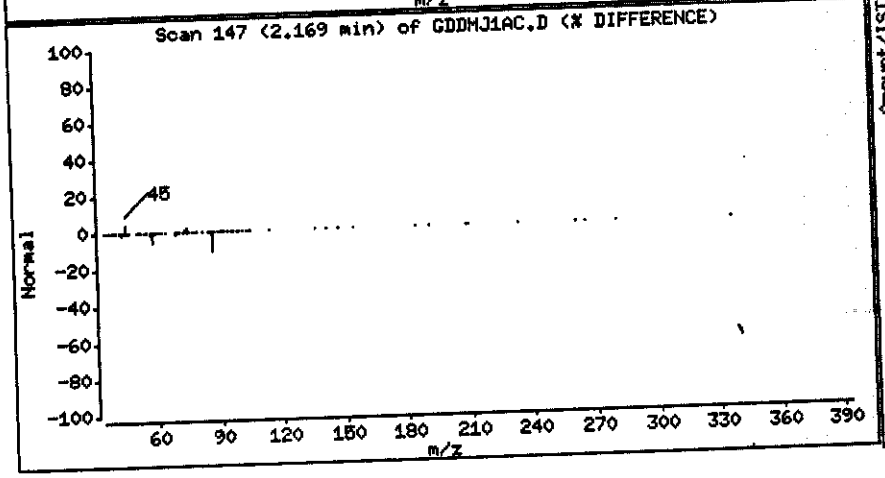












PAYNE FIRM INC.

Client Sample ID: MW-23/033104

GC/MS Semivolatiles

Lot-Sample #...: A4D010333-003 Work Order #...: GDDMN1AC Matrix.....: WG
Date Sampled...: 03/31/04 10:00 Date Received..: 04/01/04
Prep Date.....: 04/06/04 Analysis Date..: 04/14/04
Prep Batch #...: 4097208
Dilution Factor: 1 Initial Wgt/Vol: 1030 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L
Methyl parathion	ND	10	ug/L
Parathion	ND	10	ug/L
Carbazole	ND	10	ug/L
Acenaphthene	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Anthracene	ND	10	ug/L
Aramite	ND	10	ug/L
Benzo(a)anthracene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
2-sec-Butyl-4,6-dinitrophenol	ND	20	ug/L
4-Chloroaniline	ND	10	ug/L
Chlorobenzilate	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Chrysene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-23/033104

GC/MS Semivolatiles

Lot-Sample #...: A4D010333-003 **Work Order #...:** GDDMN1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Dibenzofuran	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
Disulfoton	ND	50	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
a,a-Dimethylphenethylamine	ND	50	ug/L
2,4-Dimethylphenol	ND	10	ug/L
Dimethyl phthalate	ND	10	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Diphenylamine	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Famphur	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Fluorene	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
Hexachloroethane	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Isophorone	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-23/033104

GC/MS Semivolatiles

Lot-Sample #...: A4D010333-003 **Work Order #...:** GDDMN1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
Naphthalene	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
3-Nitroaniline	ND	50	ug/L
4-Nitroaniline	ND	50	ug/L
Nitrobenzene	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
N-Nitrosodi-n-propylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Pentachlorophenol	ND	10	ug/L
Phenacetin	ND	20	ug/L
Phenanthrene	ND	10	ug/L
Phenol	ND	10	ug/L
p-Phenylene diamine	ND	100	ug/L
Phorate	ND	50	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyrene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

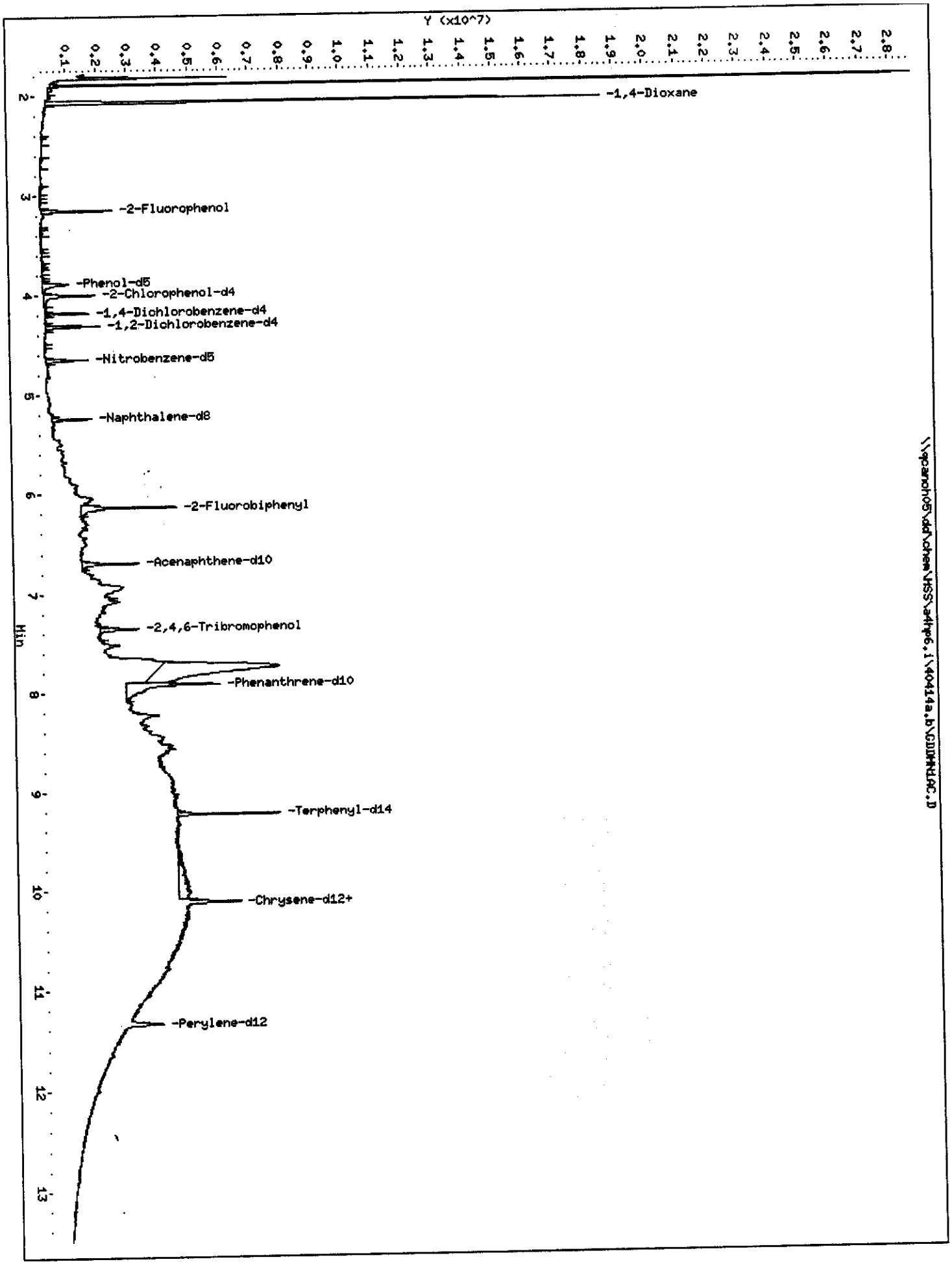
Client Sample ID: MW-23/033104

GC/MS Semivolatiles

Lot-Sample #...: A4D010333-003 **Work Order #...:** GDDMN1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
Tetraethyldithiopyro-phosphate	ND	50	ug/L
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
o-Toluidine	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	70	(32 - 112)
2-Fluorobiphenyl	69	(30 - 110)
Terphenyl-d14	66	(10 - 144)
Phenol-d5	37	(10 - 113)
2-Fluorophenol	56	(13 - 110)
2,4,6-Tribromophenol	81	(21 - 122)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-1,4-Dioxane
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
Min

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\GDDMN1AC.D
Lab Smp Id: GDDMN1AC Client Smp ID: MW-23/033104
Inj Date : 14-APR-2004 15:26
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gddmn1ac,40414a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m
Meth Date : 15-Apr-2004 13:38 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1030.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
* 1 1,4-Dichlorobenzene-d4	152	4.182	4.184	(1.000)	167492	2.00000		(Q)
* 2 Naphthalene-d8	136	5.239	5.238	(1.000)	520570	2.00000		
* 3 Acenaphthene-d10	164	6.697	6.696	(1.000)	388878	2.00000		
* 4 Phenanthrene-d10	188	7.926	7.920	(1.000)	714992	2.00000		
* 5 Chrysene-d12	240	10.117	10.109	(1.000)	712956	2.00000		
* 6 Perylene-d12	264	11.338	11.315	(1.000)	521840	2.00000		
7 N-Nitrosomorpholine	56	Compound Not Detected.						
8 Ethyl methanesulfonate	79	Compound Not Detected.						
9 Pyridine	79	Compound Not Detected.						
10 N-Nitrosodimethylamine	74	Compound Not Detected.						
11 Ethyl methacrylate	69	Compound Not Detected.						
12 3-Chloropropionitrile	54	Compound Not Detected.						
13 Malononitrile	66	Compound Not Detected.						
209 Benzaldehyde	77	Compound Not Detected.						
14 2-Picoline	93	Compound Not Detected.						
15 N-Nitrosomethylethylamine	88	Compound Not Detected.						
16 Methyl methanesulfonate	80	Compound Not Detected.						
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.						
19 N-Nitrosodiethylamine	102	Compound Not Detected.						
21 Aniline	93	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

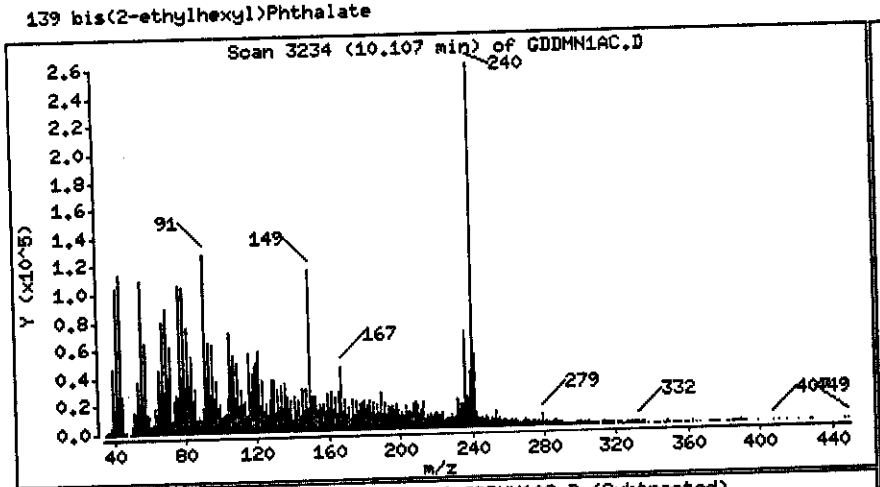
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

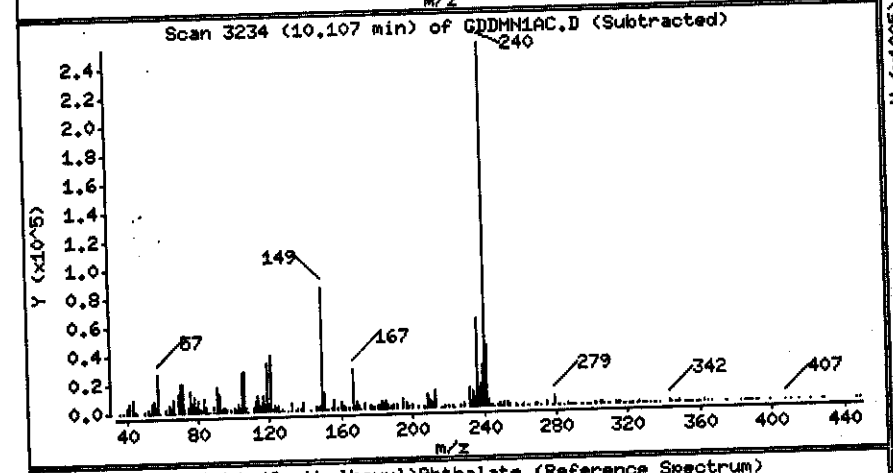
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.106	10.101	(0.999)	92869	0.33392	1.2968
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.650	4.649	(0.888)	608713	3.48618	13.538
$ 155 2-Fluorobiphenyl	172	6.139	6.138	(0.917)	887566	3.42832	13.314
$ 156 Terphenyl-d14	244	9.230	9.221	(0.912)	900713	3.32273	12.904
$ 157 Phenol-d5	99	3.891	3.888	(0.931)	542829	2.79306	10.847
$ 158 2-Fluorophenol	112	3.156	3.155	(0.755)	515530	4.19088	16.275
$ 159 2,4,6-Tribromophenol	330	7.357	7.352	(1.099)	182434	6.10009	23.690
$ 186 2-Chlorophenol-d4	132	4.004	4.004	(0.958)	440238	3.90458	15.163
$ 187 1,2-Dichlorobenzene-d4	152	4.310	4.312	(1.031)	215421	3.17566	12.333
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	2.078	2.068	(0.497)	7285421	104.648	406.40
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

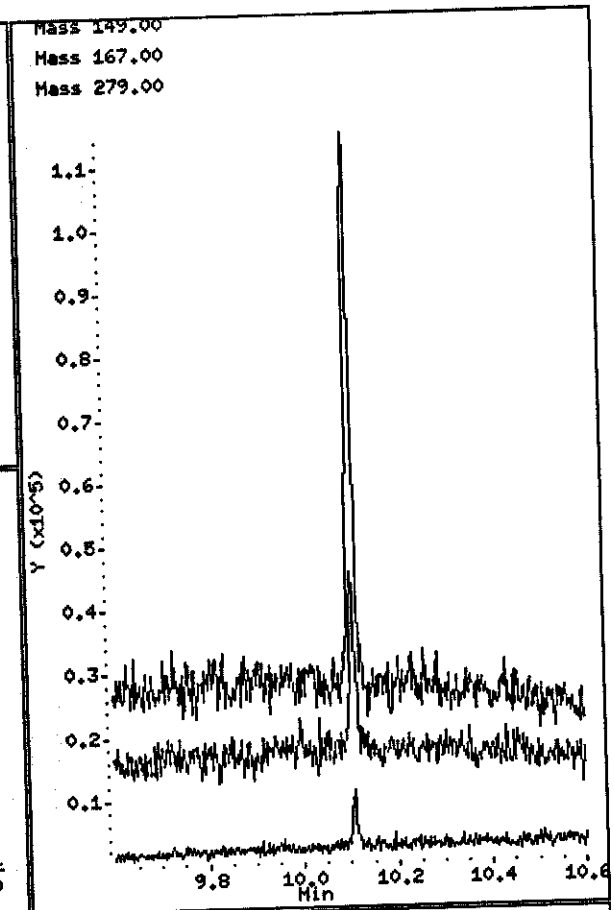
QC Flag Legend

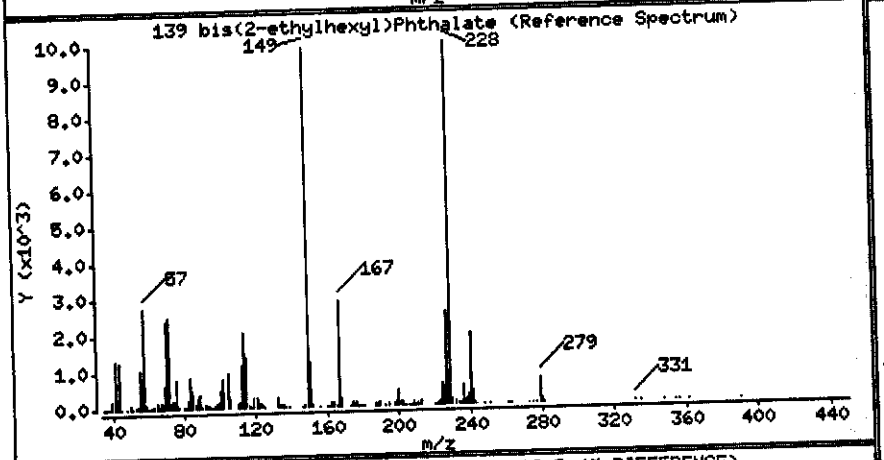
Q - Qualifier signal failed the ratio test.

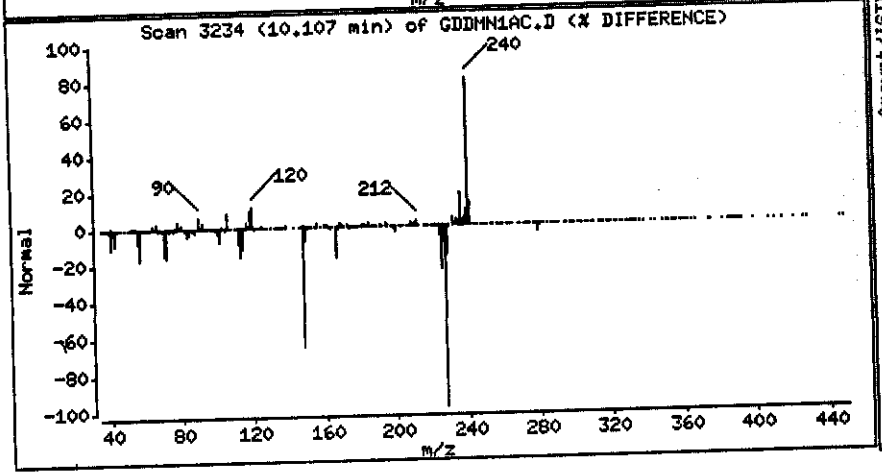
139 bis(2-ethylhexyl)Phthalate

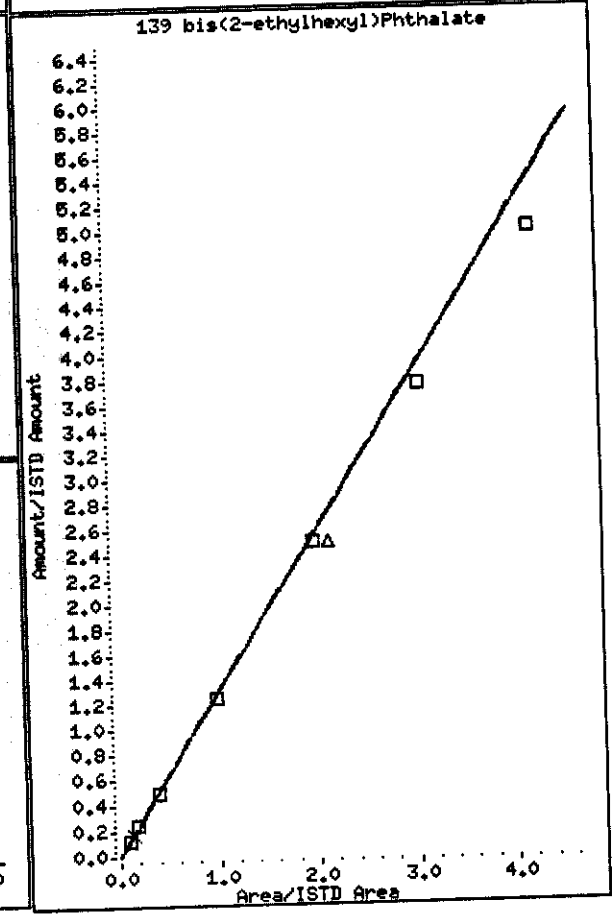




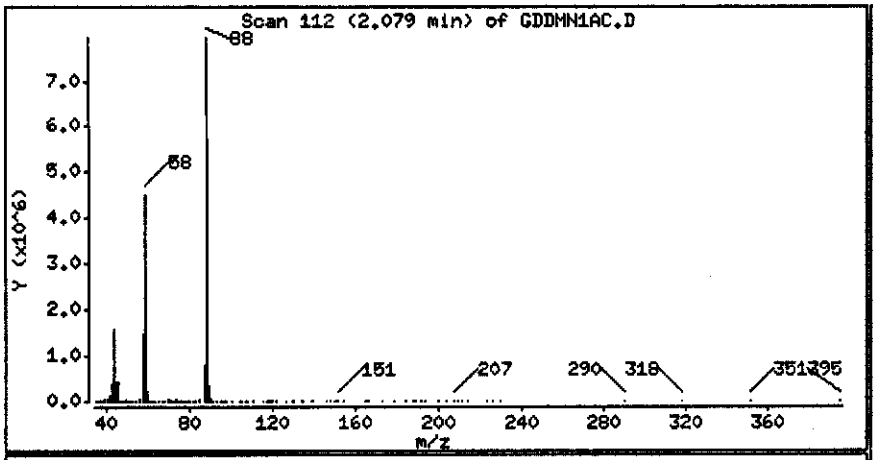


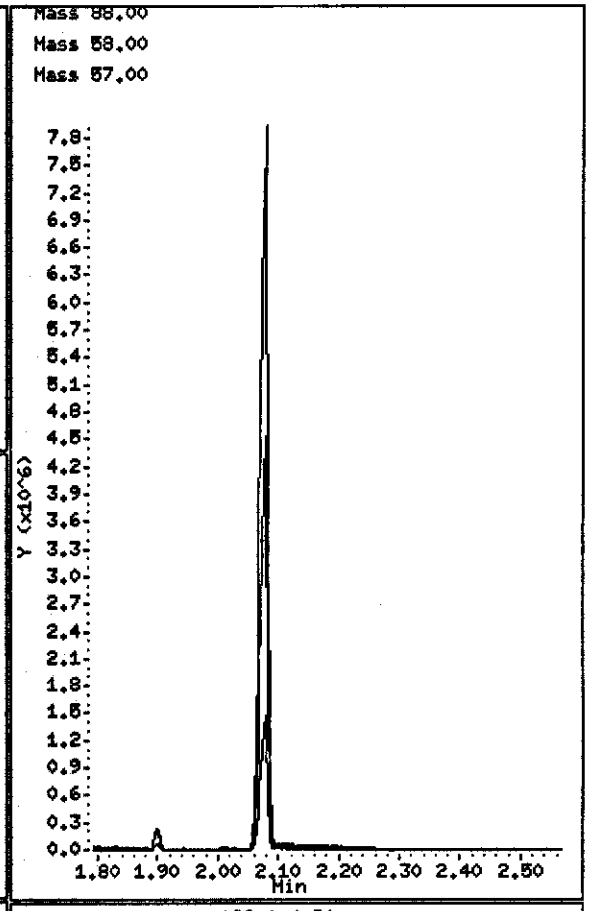


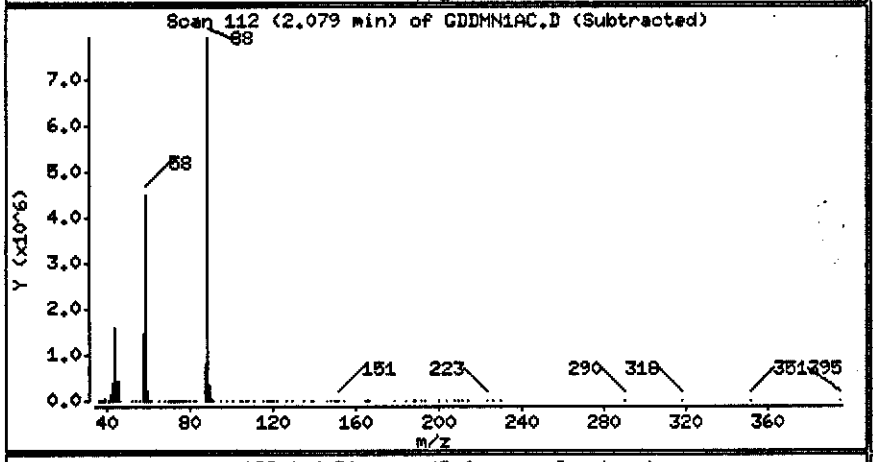


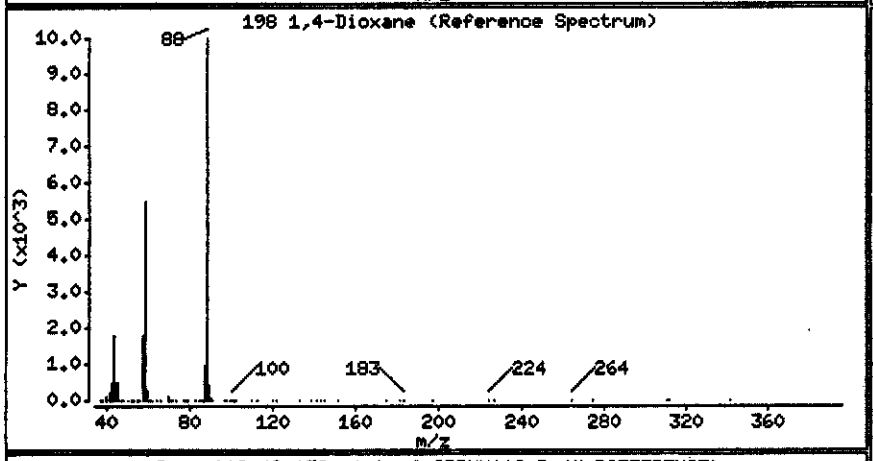


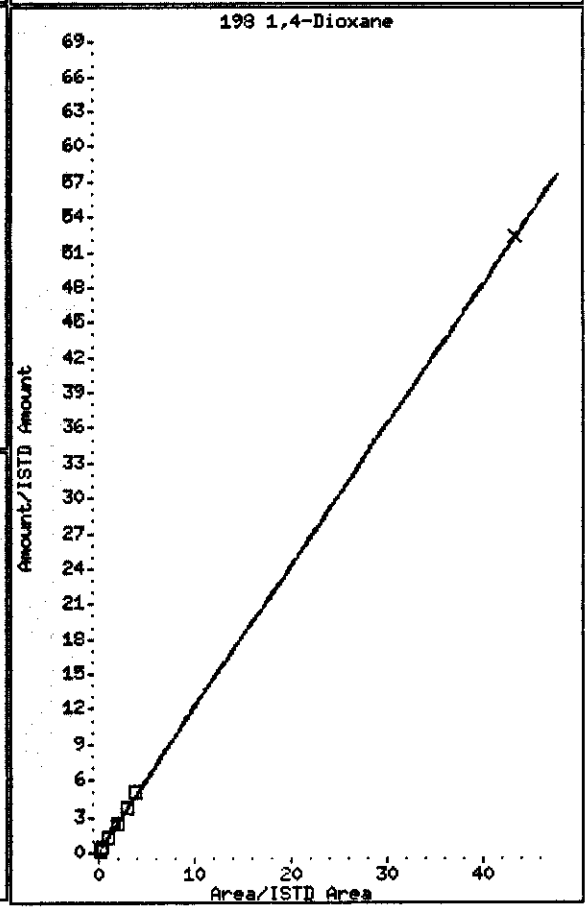
198 1,4-Dioxane

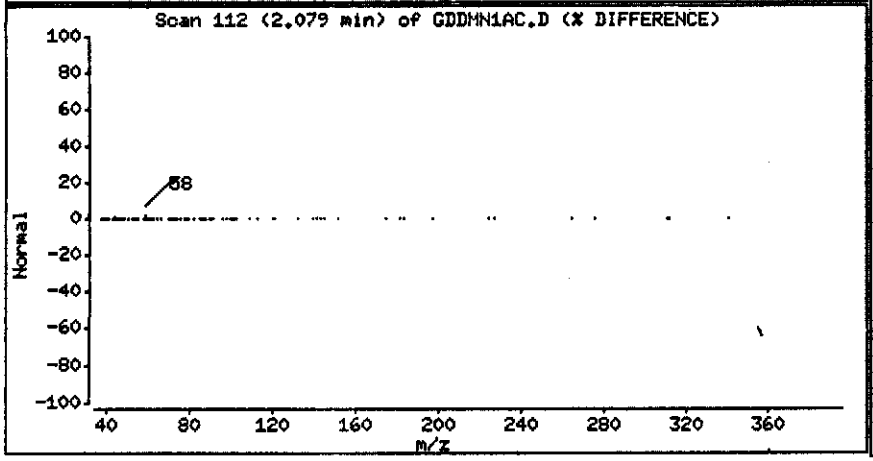












SEVERN TRENT STL

STANDARD DATA

Report Date: 07-Apr-2004 11:11

Calibration History

Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Start Cal Date: 06-APR-2004 14:47
End Cal Date : 06-APR-2004 20:45
Last Cal Level: 2
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
06-APR-2004 16:11	pah	6SLL0406.D
Cal Level: 2 , Cal Amount: 0.25000		
06-APR-2004 20:45	2-ap9	6AL0406.D
06-APR-2004 15:50	3-827042	6SL0406.D
Cal Level: 3 , Cal Amount: 0.50000		
06-APR-2004 20:24	2-ap9	6AML0406.D
06-APR-2004 15:29	3-827042	6SML0406.D
Cal Level: 4 , Cal Amount: 1.00000		
06-APR-2004 20:03	2-ap9	6AM0406.D
06-APR-2004 15:08	3-827042	6SM0406.D
Cal Level: 5 , Cal Amount: 2.50000		
06-APR-2004 19:42	2-ap9	6AMM0406.D
06-APR-2004 14:47	3-827042	6SMM0406.D
Cal Level: 6 , Cal Amount: 5.00000		
06-APR-2004 19:21	2-ap9	6AMH0406.D
06-APR-2004 16:32	3-827042	6SMH0406.D
Cal Level: 7 , Cal Amount: 7.50000		
06-APR-2004 19:00	2-ap9	6AH0406.D
06-APR-2004 16:53	3-827042	6SH0406.D
Cal Level: 8 , Cal Amount: 10.00000		

06-APR-2004 17:15	3-827042	6SHH0406.D

Cal Level: 9 , Cal Amount: 12.50000

06-APR-2004 18:18	2-ap9	6AHHH406.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 6

06-APR-2004 19:21	2-ap9	6AMH0406.D
06-APR-2004 16:32	3-827042	6SMH0406.D

Report Date : 07-Apr-2004 11:58

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 06-APR-2004 14:47
End Cal Date : 06-APR-2004 20:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Cal Date : 07-Apr-2004 11:54 gruberj
Curve Type : Average

Calibration File Names:
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Level 2: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AL0406.D
Level 3: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AML0406.D
Level 4: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AM0406.D
Level 5: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AMM0406.D
Level 6: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AMH0406.D
Level 7: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AH0406.D
Level 8: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AHH0406.D
Level 9: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AHHH406.D

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
198 1,4-Dioxane	+++++	0.91051	0.85338	0.91275	0.85226	0.74599	0.82889	8.598 <-
	0.77507	0.75231	+++++					
7 N-Nitrosomorpholine	+++++	0.91531	0.92742	1.00647	1.02032	0.99521	0.95083	5.288 <-
	0.94923	0.89149	0.90117					
8 Ethyl methanesulfonate	+++++	1.92975	1.93178	2.00402	1.98558	2.00795	1.97316	2.581 <-
	1.90626	2.06027	1.95965					
9 Pyridine	+++++	+++++	+++++	1.80406	1.98684	1.66786	2.00280	13.995 <-
	2.20254	2.35271	+++++					
10 N-Nitrosodimethylamine	+++++	1.54663	1.57895	1.77525	1.44083	1.07928	1.49542	14.092 <-
	1.54378	1.50320	+++++					
11 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
	+++++	+++++	+++++					
12 3-Chloropropionitrile	+++++	0.79291	0.82749	0.87792	0.75075	0.56146	0.76124	13.034 <-
	0.76303	0.75512	+++++					
13 Malononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
	+++++	+++++	+++++					

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 06-APR-2004 14:47
End Cal Date : 06-APR-2004 20:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Cal Date : 07-Apr-2004 11:54 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
14 2-Picoline	+++++	2.32275	2.26028	2.43663	2.41566	2.36948	2.38399	3.247	<-
	2.42627	2.50545	2.33536						
15 N-Nitrosomethylethylamine	+++++	0.72180	0.81929	0.88581	0.82106	0.88817	0.84934	14.179	<-
	0.78003	0.76649	1.11211						
16 Methyl methanesulfonate	+++++	1.52661	1.43059	1.51803	1.49721	1.49676	1.47872	2.841	<-
	1.41121	1.49632	1.45302						
18 1,3-Dichloro-2-propanol	+++++	2.68629	2.69638	2.79773	2.75216	2.80117	2.75949	2.343	<-
	2.68651	2.85954	2.79612						
19 N-Nitrosodiethylamine	+++++	1.08732	0.99459	1.03538	1.03114	1.03092	1.02852	3.290	<-
	0.98420	1.05834	1.00630						
21 Aniline	+++++	3.00793	2.97347	3.24206	3.15512	2.87005	3.01424	4.527	<-
	2.95515	2.89589	+++++						
22 Phenol	+++++	2.48989	2.48995	2.67359	2.57379	2.31478	2.46851	5.170	<-
	2.37758	2.36000	+++++						
23 bis(2-Chloroethyl)ether	+++++	1.89505	1.78668	1.94887	1.95546	1.71430	1.81082	6.806	<-
	1.73155	1.64386	+++++						
24 2-Chlorophenol	+++++	1.27610	1.34797	1.44739	1.37255	1.26272	1.32464	5.127	<-
	1.28934	1.27641	+++++						
25 Pentachloroethane	+++++	0.62236	0.52894	0.57514	0.55406	0.53233	0.55173	6.105	<-
	0.52505	0.55237	0.52358						
26 1,3-Dichlorobenzene	+++++	1.28871	1.31773	1.33917	1.32097	1.24623	1.26829	5.305	<-
	1.20854	1.15672	+++++						

Report Date : 07-Apr-2004 11:58

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INITIAL CALIBRATION DATA

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Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Cal Date : 07-Apr-2004 11:54 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
27 1,4-Dichlorobenzene	+++++	1.22258	1.23215	1.24742	1.21978	1.12553	1.17264	6.684	<-
	1.12419	1.03685	+++++						
28 1,2-Dichlorobenzene	+++++	1.19281	1.25067	1.29329	1.23605	1.17137	1.18997	6.641	<-
	1.12240	1.06321	+++++						
29 Benzyl Alcohol	+++++	1.05553	1.15468	1.24609	1.24343	1.06244	1.13944	7.030	<-
	1.12925	1.08465	+++++						
30 2-Methylphenol	+++++	1.58241	1.61935	1.78506	1.76063	1.58410	1.64223	5.648	<-
	1.61716	1.54689	+++++						
31 bis(2-Chloroisopropyl)ether	+++++	1.37754	1.46893	1.52779	1.54416	1.36306	1.42209	6.539	<-
	1.37853	1.29463	+++++						
32 N-Nitroso-di-n-propylamine	+++++	1.85493	1.89560	2.06768	1.93761	1.74350	1.85482	6.810	<-
	1.78780	1.69660	+++++						
M 195 Cresols, total	+++++	3.20652	3.32379	3.59730	3.55872	2.87318	3.22780	9.012	<-
	3.15506	2.88007	+++++						
192 4-Methylphenol	+++++	1.62411	1.70444	1.81224	1.79809	1.28908	1.58558	13.280	<-
	1.53790	1.33318	+++++						
193 3-Methylphenol	+++++	+++++	+++++	1.64502	1.72940	1.94658	1.82631	6.502	<-
	1.83813	1.93787	1.86084						
34 Hexachloroethane	+++++	0.59902	0.62897	0.66391	0.64624	0.59474	0.61450	5.391	<-
	0.59966	0.56894	+++++						
35 Nitrobenzene	+++++	0.69851	0.67344	0.71745	0.70206	0.66865	0.69527	2.583	<-
	0.70929	0.69750	+++++						

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Cal Date : 07-Apr-2004 11:54 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
36 N-Nitrosopyrrolidine	+++++	0.87408	0.85515	0.92917	0.99876	1.01326	0.90756	7.410	<-
	0.89741	0.83563	0.85701						
37 Acetophenone	+++++	2.29156	2.32421	2.48948	2.45388	2.14092	2.29461	6.255	<-
	2.25176	2.11049	+++++						
39 o-Toluidine	+++++	2.88517	2.82192	3.09314	3.13092	3.19033	3.07914	4.972	<-
	3.10843	3.28588	3.11734						
40 N-Nitrosopiperidine	+++++	0.19065	0.19232	0.20978	0.21655	0.21281	0.20760	5.284	<-
	0.20514	0.22095	0.21260						
41 Isophorone	+++++	1.04058	1.04378	1.15366	1.14482	0.87705	1.07735	9.377	<-
	1.15125	1.13029	+++++						
42 2-Nitrophenol	+++++	0.17001	0.18150	0.19877	0.20027	0.19841	0.19206	6.068	<-
	0.19744	0.19802	+++++						
43 2,4-Dimethylphenol	+++++	0.44896	0.45728	0.48618	0.48716	0.46928	0.47977	4.596	<-
	0.50689	0.50261	+++++						
44 bis(2-Chloroethoxy)methane	+++++	0.58192	0.56011	0.60344	0.59946	0.56903	0.58538	2.730	<-
	0.59362	0.59008	+++++						
45 O,O,O-Triethyl phosphorothioa	+++++	0.18308	0.18964	0.18993	0.19178	0.18921	0.18672	2.618	<-
	0.18133	0.19005	0.17876						
46 2,4-Toluenediamene	+++++	+++++	0.17247	0.17709	0.15711	0.13352	0.13165	36.557	<-
	0.09421	0.05551	+++++						
47 1,3,5-Trichlorobenzene	+++++	0.31201	0.28050	0.29936	0.29879	0.28833	0.29560	3.381	<-
	0.29860	0.29160	+++++						

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Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
48 2,4-Dichlorophenol	+++++	0.26602	0.25749	0.27928	0.29173	0.28130	0.27961	4.790	<-
	0.28909	0.29237	+++++						
49 Benzoic Acid	+++++	+++++	+++++	0.16640	0.24032	0.22230	0.22906	14.168	<-
	0.24456	0.24745	0.25334						
50 1,2,4-Trichlorobenzene	+++++	0.30705	0.27746	0.29959	0.28897	0.28911	0.29153	3.237	<-
	0.29124	0.28730	+++++						
51 Naphthalene	1.04107	0.99404	0.97403	1.01139	1.01233	0.99718	1.01170	2.296	<-
	1.04087	1.02269	+++++						
52 4-Chloroaniline	+++++	0.39291	0.38339	0.41441	0.42861	0.43214	0.41626	4.902	<-
	0.43423	0.42813	+++++						
53 a,a-Dimethyl-phenethylamine	+++++	+++++	0.58812	0.87156	1.05155	0.98444	0.95743	19.048	<-
	1.03500	1.14609	1.02523						
54 2,6-Dichlorophenol	+++++	+++++	0.19572	0.24206	0.26712	0.27146	0.25378	11.086	<-
	0.25715	0.27897	0.26398						
55 Hexachloropropene	+++++	0.24187	0.23389	0.24011	0.23970	0.24185	0.24066	2.474	<-
	0.23618	0.25373	0.23794						
56 Hexachlorobutadiene	+++++	0.17494	0.15710	0.17799	0.17451	0.16845	0.17121	4.026	<-
	0.17396	0.17150	+++++						
57 1,2,3-Trichlorobenzene	+++++	0.22948	0.25658	0.28602	0.27828	0.27147	0.26864	7.323	<-
	0.28173	0.27692	+++++						
58 N-Nitrosodi-n-butylamine	+++++	0.40383	0.34459	0.41066	0.41964	0.42692	0.39527	7.616	<-
	0.39398	0.35410	0.40848						

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Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
59 4-Chloro-3-Methylphenol	+++++	0.36756	0.35307	0.39803	0.43987	0.39494	0.40242	8.415 <-
	0.43586	0.42759	+++++					
60 p-Phenylene diamine	+++++	+++++	+++++	0.33733	0.41110	0.46325	0.44285	13.681 <-
	0.48564	0.45521	0.50457					
61 Safrole	+++++	0.27484	0.26700	0.26372	0.28264	0.27828	0.27160	3.062 <-
	0.26254	0.28029	0.26348					
62 2-Methylnaphthalene	0.60949	0.63138	0.62235	0.63694	0.65004	0.64485	0.63662	2.315 <-
	0.64961	0.64828	+++++					
63 1-Methylnaphthalene	0.65180	0.60384	0.58748	0.61785	0.62255	0.61047	0.61719	2.999 <-
	0.62522	0.61829	+++++					
64 Hexachlorocyclopentadiene	+++++	0.37709	0.35013	0.39258	0.38282	0.35567	0.37172	3.977 <-
	0.37229	0.37143	+++++					
65 1,2,4,5-Tetrachlorobenzene	+++++	0.62962	0.56608	0.59882	0.59022	0.57731	0.58595	4.028 <-
	0.55704	0.60002	0.56852					
66 2,4,6-Trichlorophenol	+++++	0.42845	0.39344	0.42520	0.41293	0.45104	0.42414	4.861 <-
	0.41034	0.44755	+++++					
67 2,4,5-Trichlorophenol	+++++	+++++	0.33189	0.40510	0.38661	0.35498	0.37494	7.330 <-
	0.39682	0.37425	+++++					
68 1,2,3,5-Tetrachlorobenzene	+++++	0.52213	0.43098	0.52962	0.49713	0.48592	0.49443	6.471 <-
	0.49522	0.50004	+++++					
69 1,4-Dinitrobenzene	+++++	+++++	+++++	0.18784	0.22407	0.24074	0.23181	10.631 <-
	0.23094	0.25592	0.25133					

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Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
70 2-Chloronaphthalene	+++++	1.01808	1.02179	1.07882	1.03504	1.02145	1.03780	2.053 <-
	1.04824	1.04120	+++++					
71 Isosafrole 1	+++++	0.15943	0.16112	0.14424	0.15709	0.15512	0.15644	3.769 <-
	0.15367	0.16375	0.15709					
M 188 Isosafrole, Total	+++++	1.09673	1.05037	1.11993	1.15237	1.13185	1.08891	5.111 <-
	1.11332	0.97802	1.06871					
72 Isosafrole 2	+++++	0.93731	0.88926	0.97569	0.99528	0.97673	0.93248	6.384 <-
	0.95965	0.81427	0.91162					
73 2-Nitroaniline	+++++	0.53829	0.48612	0.62388	0.64384	0.62451	0.59981	10.374 <-
	0.64111	0.64091	+++++					
74 1,2,3,4-Tetrachlorobenzene	+++++	0.38220	0.48737	0.49399	0.49510	0.46084	0.46966	8.628 <-
	0.49291	0.47519	+++++					
75 1,4-Naphthoquinone	+++++	+++++	0.37212	0.41810	0.46628	0.43118	0.41278	8.286 <-
	0.37493	0.43216	0.39467					
76 Dimethylphthalate	+++++	1.18016	1.18252	1.25433	1.22584	1.21790	1.22562	2.824 <-
	1.25185	1.26677	+++++					
77 m-Dinitrobenzene	+++++	+++++	+++++	0.20687	0.24986	0.25872	0.25291	9.619 <-
	0.25729	0.27550	0.26925					
78 2,6-Dinitrotoluene	+++++	0.24334	0.23382	0.26518	0.26933	0.27574	0.26580	7.683 <-
	0.28639	0.28678	+++++					
79 Acenaphthylene	1.79234	1.48044	1.76940	1.80084	1.84950	1.80524	1.78187	7.205 <-
	1.88379	1.87337	+++++					

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	7.500 Level 7	10.000 Level 8	12.500 Level 9						
80 1,2-Dinitrobenzene	+++++	0.14768	0.08865	0.13921	0.15982	0.12808			
	0.14993	0.13739	+++++				0.13582	17.043	<-
81 3-Nitroaniline	+++++	0.28749	0.31151	0.30400	0.32170	0.32302			
	0.32676	0.32693	+++++				0.31449	4.641	<-
82 Acenaphthene	1.18268	1.18063	1.09396	1.19532	1.17460	1.15952			
	1.17057	1.16432	+++++				1.16520	2.650	<-
83 2,4-Dinitrophenol	+++++	+++++	+++++	0.17458	0.22944	0.23809			
	0.25081	0.25370	0.24740				0.23234	12.769	<-
84 Pentachlorobenzene	+++++	0.50612	0.48290	0.47307	0.48855	0.47610			
	0.45406	0.49087	0.46733				0.47987	3.322	<-
85 4-Nitrophenol	+++++	+++++	+++++	0.22167	0.28085	0.27617			
	0.26790	0.26236	0.27992				0.26481	8.430	<-
86 Dibenzofuran	+++++	1.61392	1.56145	1.61919	1.59958	1.59374			
	1.62844	1.62035	+++++				1.60524	1.420	<-
87 2,4-Dinitrotoluene	+++++	+++++	0.34197	0.39597	0.39616	0.40102			
	0.40923	0.35430	+++++				0.38311	7.254	<-
88 2,3,4,6-Tetrachlorophenol	+++++	+++++	+++++	0.23636	0.31932	0.32709			
	0.30889	0.34359	0.33582				0.31185	12.484	<-
89 1-Naphthylamine	+++++	0.97043	1.00354	1.17281	1.22376	1.26861			
	1.23293	1.32975	1.29506				1.18711	11.163	<-
90 Zinophos	+++++	0.35016	0.44251	0.45984	0.45217	0.46436			
	0.43724	0.47502	0.46344				0.44309	8.914	<-

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	7.500 Level 7	10.000 Level 8	12.500 Level 9						
91 2,3,5,6-Tetrachlorophenol	+++++	+++++	0.26436	0.34618	0.36077	0.35447	0.34271	11.398	<-
	0.36576	0.36469	+++++						
92 2-Naphthylamine	+++++	+++++	1.00869	1.19952	1.16472	1.22045	1.19993	8.297	<-
	1.21473	1.33226	1.25916						
93 Diethylphthalate	+++++	1.30727	1.24797	1.34351	1.31713	1.27508	1.30413	2.469	<-
	1.32408	1.31389	+++++						
94 Fluorene	1.22789	1.22861	1.21985	1.30058	1.25997	1.22757	1.24849	2.205	<-
	1.26573	1.25771	+++++						
95 4-Chlorophenyl-phenylether	+++++	0.67599	0.64677	0.67757	0.65256	0.63798	0.65413	2.457	<-
	0.64401	0.64401	+++++						
96 4-Nitroaniline	+++++	+++++	0.28559	0.27849	0.27525	0.36619	0.31671	13.024	<-
	0.34334	0.35138	+++++						
97 5-Nitro-o-toluidine	+++++	+++++	+++++	0.25872	0.38911	0.42096	0.38751	16.819	<-
	0.39953	0.43319	0.42357						
98 4,6-Dinitro-2-methylphenol	+++++	+++++	+++++	0.13543	0.15539	0.15828	0.14615	7.032	<-
	0.15177	0.14087	0.13515						
99 N-Nitrosodiphenylamine	+++++	0.51920	0.50630	0.54520	0.53681	0.53262	0.52950	2.448	<-
	0.53684	0.52950	+++++						
100 1,2-Diphenylhydrazine	+++++	1.27560	1.27241	1.34506	1.32572	1.44814	1.34841	5.576	<-
	1.31687	1.45505	+++++						
101 Diphenylamine	+++++	0.41133	0.50630	0.54520	0.53681	0.53262	0.51409	9.125	<-
	0.53684	0.52950	+++++						

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	7.500 Level 7	10.000 Level 8	12.500 Level 9					
102 Tetraethyl dithiopyrophosphat	+++++	0.09560	0.10440	0.10731	0.10519	0.10443	0.10305	3.367 <-
	0.10181	0.10343	0.10223					
103 Diallate 1	+++++	0.94968	0.88594	0.88930	0.89735	0.87471	0.89178	2.968 <-
	0.86442	0.90028	0.87258					
M 189 Diallate, Total	+++++	4.33227	4.24589	4.22196	4.44282	4.51263	4.31452	3.054 <-
	4.11791	4.40341	4.23929					
104 Phorate	+++++	0.16656	0.14927	0.16917	0.16937	0.15803	0.15893	6.456 <-
	0.15921	0.16010	0.13971					
105 1,3,5-Trinitrobenzene	+++++	+++++	+++++	0.06913	0.08941	0.09053	0.08789	10.639 <-
	0.09108	0.09309	0.09410					
106 4-Bromophenyl-phenylether	+++++	0.17639	0.16550	0.19224	0.19290	0.18582	0.18296	5.305 <-
	0.18727	0.18057	+++++					
107 Hexachlorobenzene	+++++	0.16552	0.18546	0.19459	0.17939	0.17620	0.17790	5.524 <-
	0.17501	0.16912	+++++					
108 Phenacetin	+++++	+++++	+++++	0.36098	0.51073	0.51701	0.47467	12.797 <-
	0.52275	0.46402	0.47254					
109 Diallate 2	+++++	0.18722	0.18497	0.19196	0.18868	0.18770	0.18742	1.353 <-
	0.18548	0.18909	0.18424					
110 Dimethoate	+++++	+++++	0.33148	0.42077	0.43863	0.44733	0.41146	10.912 <-
	0.41007	0.45804	0.37386					
111 Pentachlorophenol	+++++	+++++	0.08974	0.12634	0.14208	0.13239	0.12815	13.740 <-
	0.13660	0.13666	0.13324					

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 06-APR-2004 14:47
End Cal Date : 06-APR-2004 20:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Cal Date : 07-Apr-2004 11:54 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
112 Pentachloronitrobenzene	+++++	0.09225	0.09425	0.09315	0.09462	0.09798	0.09456	2.108	<-
	0.09315	0.09709	0.09402						
113 4-Aminobiphenyl	+++++	0.60894	0.70979	0.79384	0.72666	0.79588	0.74634	8.783	<-
	0.78541	0.74697	0.80326						
114 Pronamide	+++++	0.31732	0.31559	0.32014	0.35423	0.34425	0.33705	4.913	<-
	0.34403	0.35436	0.34644						
115 Phenanthrene	1.06554	1.02785	0.96874	1.04168	1.03110	1.02255	1.02582	2.673	<-
	1.03269	1.01644	+++++						
116 Anthracene	1.03646	0.93762	0.99618	1.02976	1.02968	1.01463	1.00872	3.247	<-
	1.02974	0.99568	+++++						
117 Dinoseb	+++++	+++++	+++++	0.13529	0.19241	0.20720	0.19703	16.177	<-
	0.20948	0.22289	0.21489						
118 Disulfoton	+++++	0.61324	0.60338	0.61090	0.63654	0.63466	0.62253	2.113	<-
	0.61931	0.63892	0.62325						
119 Carbazole	+++++	0.81151	0.89502	1.00288	0.95628	0.95652	0.93865	6.957	<-
	0.98502	0.96335	+++++						
120 Di-n-Butylphthalate	+++++	0.94137	1.14448	1.21990	1.21446	1.20955	1.17259	9.125	<-
	1.24936	1.22902	+++++						
121 4-Nitroquinoline 1-oxide	+++++	+++++	+++++	0.04150	0.07831	0.10542	0.10233	36.215	<-
	0.11442	0.13891	0.13543						
122 Methapyrilene	+++++	0.35261	0.41981	0.44910	0.50212	0.42131	0.44797	13.972	<-
	0.39789	0.54132	0.49961						

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INITIAL CALIBRATION DATA

Start Cal Date : 06-APR-2004 14:47
End Cal Date : 06-APR-2004 20:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Cal Date : 07-Apr-2004 11:54 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
123 Fluoranthene	1.24357	1.07094	1.11941	1.20040	1.20052	1.17939	1.17193	4.559	<-
	1.18588	1.17532	+++++						
124 Benzidine	+++++	+++++	0.55244	0.59793	0.64289	0.69102	0.66915	10.970	<-
	0.74208	0.72575	0.73195						
125 Pyrene	1.30978	1.25253	1.20627	1.29786	1.28192	1.33384	1.29525	3.864	<-
	1.37091	1.30890	+++++						
126 Aramite 1	+++++	0.06552	0.06442	0.07119	0.07170	0.07138	0.06890	4.972	<-
	0.06468	0.07247	0.06983						
M 191 Aramite, Total	+++++	0.53803	0.53686	0.56518	0.61224	0.67183	0.58594	7.487	<-
	0.57479	0.59533	0.59330						
127 Aramite 2	+++++	0.08617	0.07788	0.08310	0.08569	0.09060	0.08374	4.736	<-
	0.08464	0.07995	0.08188						
128 p-Dimethylamino azobenzene	+++++	0.25478	0.24666	0.27638	0.29161	0.28567	0.27534	6.096	<-
	0.27550	0.29395	0.27819						
129 p-Chlorobenzilate	+++++	0.45179	0.40385	0.42920	0.44741	0.41697	0.42840	3.877	<-
	0.42073	0.43933	0.41790						
130 Famphur 1	+++++	0.40933	0.41295	0.42546	0.18369	0.12213	0.24777	59.660	<-
	0.04281	0.18689	0.19891						
131 Butylbenzylphthalate	+++++	0.44240	0.49872	0.54491	0.56283	0.59945	0.55120	11.305	<-
	0.61925	0.59083	+++++						
132 3,3'-Dimethylbenzidine	+++++	+++++	0.48001	0.58039	0.53477	0.43396	0.56338	20.302	<-
	0.48350	0.73803	0.69301						

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INITIAL CALIBRATION DATA

Start Cal Date : 06-APR-2004 14:47
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Quant Method : ISTD
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Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Cal Date : 07-Apr-2004 11:54 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
133 3,3'-Dimethoxybenzidine	+++++	+++++	0.22505	0.24774	0.25969	0.23415	0.25021	7.088 <-
	0.26737	0.26727	+++++					
134 2-Acetylaminofluorene	+++++	+++++	+++++	0.35948	0.49188	0.54730	0.50955	15.333 <-
	0.53254	0.56490	0.56123					
135 3,3'-Dichlorobenzidine	+++++	0.35226	0.39910	0.39245	0.42285	0.41972	0.40687	6.989 <-
	0.43484	0.42684	+++++					
136 Benzo(a)Anthracene	1.63981	1.20447	1.42735	1.20987	1.22607	1.38168	1.34160	10.869 <-
	1.30352	1.34005	+++++					
137 Chrysene	0.81719	0.94777	0.83470	1.06706	1.08048	0.99670	0.98522	11.293 <-
	1.11603	1.02183	+++++					
138 4,4'-Methylene bis(o-chloroan	+++++	0.17961	0.21318	0.22241	0.22769	0.22815	0.21853	8.315 <-
	0.23190	0.22675	+++++					
139 bis(2-ethylhexyl)Phthalate	+++++	0.71886	0.73492	0.79165	0.81837	0.83484	0.80201	7.241 <-
	0.88178	0.83366	+++++					
140 Di-n-octylphthalate	+++++	1.54386	1.63523	1.80420	1.86078	1.91625	1.82695	9.910 <-
	2.00858	2.01971	+++++					
141 Benzo(b)fluoranthene	1.82007	1.51849	1.74095	1.80797	1.96780	1.95338	1.82840	8.391 <-
	1.83037	1.98816	+++++					
142 Benzo(k)fluoranthene	1.07332	1.12152	1.28086	1.42096	1.17876	1.20439	1.26081	11.582 <-
	1.49851	1.30815	+++++					
143 7,12-dimethylbenz[a]anthracen	+++++	0.67820	0.61167	0.74481	0.76595	0.77980	0.74806	9.427 <-
	0.78364	0.83258	0.78784					

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 06-APR-2004 14:47
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Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Cal Date : 07-Apr-2004 11:54 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
144 Hexachlorophene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
145 Hexachlorophene product	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
146 Benzo(a)pyrene	1.39531	1.34632	1.33035	1.41591	1.41151	1.40492			
	1.47139	1.46302	+++++				1.40484	3.512	<-
148 3-Methylcholanthrene	+++++	0.72550	0.72188	0.89950	0.87149	0.89013			
	0.88224	0.91592	0.87490				0.84769	9.181	<-
149 Indeno(1,2,3-cd)pyrene	1.45599	1.21718	1.43802	1.41437	1.57660	1.57931			
	1.62836	1.61509	+++++				1.49062	9.291	<-
150 Dibenz(a,h)anthracene	1.25319	0.94858	1.16926	1.31056	1.30715	1.33317			
	1.38749	1.36501	+++++				1.25930	11.337	<-
151 Benzo(g,h,i)perylene	1.40223	1.05863	0.97921	1.30518	1.31044	1.31317			
	1.37286	1.36065	+++++				1.26280	12.335	<-
199 3-Picoline	+++++	+++++	+++++	1.42351	2.10169	2.18305			
	2.13462	2.30281	2.22166				2.06122	15.535	<-
200 N,N-Dimethylacetamide	+++++	1.13833	1.01952	1.20270	1.15288	1.18620			
	1.13543	1.22651	1.15786				1.15243	5.423	<-
201 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
202 Diphenyl	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

Report Date : 07-Apr-2004 11:58

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INITIAL CALIBRATION DATA

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Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Cal Date : 07-Apr-2004 11:54 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
203 Diphenyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
204 6-Methylchrysene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
205 Benzenethiol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
207 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
208 Dibenz(a,j)acridine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
209 Benzaldehyde	+++++	1.76724	1.74917	1.78704	1.63942	1.24254	1.55189	18.795	<-
	1.12594	+++++	+++++						
210 Caprolactam	+++++	+++++	+++++	0.11934	0.13816	0.13648	0.13487	6.659	<-
	0.14257	0.13783	+++++						
211 1,1'-Biphenyl	+++++	1.34745	1.38550	1.47337	1.38908	1.37307	1.39516	2.923	<-
	1.42048	1.37718	+++++						
212 Atrazine	+++++	+++++	0.18708	0.19822	0.19901	0.19259	0.19179	3.019	<-
	0.18833	0.18552	+++++						
213 Benzothiazole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
214 1,3-Dimethyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 06-APR-2004 14:47
End Cal Date : 06-APR-2004 20:45
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Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Cal Date : 07-Apr-2004 11:54 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
215 Phenyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
216 1,3-Diethyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
217 1,3-Dibutyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
218 1,1,3,3-Tetramethyl-2-Thioure	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
219 o-Benzyl Phenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
220 Diphenyl Thiourea	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
221 Hexabromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
222 Dibenz(a,h)acridine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
223 1,2-bis(2-chloroethoxy)ethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
224 Acrylamide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
225 Methyl parathion	+++++	0.21980	0.26564	0.30552	0.32765	0.32495	0.29920	12.862	<-
	0.30157	0.33328	0.31519						

STL - North Canton

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Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
226 Parathion	+++++	0.18438	0.18953	0.21804	0.23427	0.24114	0.22332	10.677	<-
	0.23526	0.24492	0.23902						
227 Isodrin	+++++	0.22603	0.20168	0.20793	0.21011	0.20320	0.20639	4.263	<-
	0.20079	0.20309	0.19831						
228 Kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
M 229 Famphur,Total	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
	+++++	+++++	+++++						
230 Famphur 2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
	+++++	+++++	+++++						
$ 154 Nitrobenzene-d5	0.61356	0.63452	0.63528	0.65196	0.65836	0.62785	0.64225	2.723	<-
	0.66652	0.64992	+++++						
$ 155 2-Fluorobiphenyl	1.45386	1.32817	1.33073	1.38833	1.32229	1.29784	1.34605	3.757	<-
	1.32819	1.31900	+++++						
$ 156 Terphenyl-d14	0.76203	0.73348	0.72086	0.75107	0.76084	0.79755	0.76413	3.956	<-
	0.81013	0.77705	+++++						
$ 157 Phenol-d5	2.28940	2.16574	2.22253	2.35249	2.24804	2.03328	2.19852	4.664	<-
	2.17686	2.09981	+++++						
$ 158 2-Fluorophenol	1.59990	1.44942	1.47874	1.64653	1.42019	1.03645	1.42346	12.968	<-
	1.38091	1.37553	+++++						
$ 159 2,4,6-Tribromophenol	+++++	+++++	0.13582	0.13971	0.15013	0.14034	0.14152	3.356	<-
	0.14243	0.14068	+++++						

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INITIAL CALIBRATION DATA

Start Cal Date : 06-APR-2004 14:47
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Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Cal Date : 07-Apr-2004 11:54 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
$ 186 2-Chlorophenol-d4	+++++	1.31518	1.35242	1.42131	1.37535	1.23348			
	1.28648	1.23142	+++++				1.31652	5.440	<-
$ 187 1,2-Dichlorobenzene-d4	+++++	0.82587	0.77980	0.87822	0.81840	0.77334			
	0.74983	0.72215	+++++				0.79252	6.603	<-

ort Date : 07-Apr-2004 12:03

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INITIAL CALIBRATION DATA

art Cal Date : 06-APR-2004 14:47
l Cal Date : 06-APR-2004 20:45
ant Method : ISTD
rget Version : 4.12
tegrator : HP RTE
thod file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
l Date : 07-Apr-2004 11:54 gruberj

libration File Names:
vel 1: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SLL0406.D
vel 2: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AL0406.D
vel 3: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AML0406.D
vel 4: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AM0406.D
vel 5: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AMM0406.D
vel 6: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AMH0406.D
vel 7: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AH0406.D
vel 8: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AHH0406.D
vel 9: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AHHH406.D

Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
198 1,4-Dioxane	+++++	0.91051	0.85338	0.91275	0.85226	0.74599	AVRG		0.82889		8.59788	<-
	0.77507	0.75231	+++++									
7 N-Nitrosomorpholine	+++++	0.91531	0.92742	1.00647	1.02032	0.99521	AVRG		0.95083		5.28779	<-
	0.94923	0.89149	0.90117									
8 Ethyl methanesulfonate	+++++	1.92975	1.93178	2.00402	1.98558	2.00795	AVRG		1.97316		2.58132	<-
	1.90626	2.06027	1.95965									

STL - North Canton

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Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
9 Pyridine	+++++	+++++	+++++	1.80406	1.98684	1.66786						
	2.20254	2.35271	+++++				AVRG		2.00280		13.99532	<-
10 N-Nitrosodimethylamine	+++++	1.54663	1.57895	1.77525	1.44083	1.07928						
	1.54378	1.50320	+++++				AVRG		1.49542		14.09212	<-
11 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
12 3-Chloropropionitrile	+++++	0.79291	0.82749	0.87792	0.75075	0.56146						
	0.76303	0.75512	+++++				AVRG		0.76124		13.03432	<-
13 Malononitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
14 2-Picoline	+++++	2.32275	2.26028	2.43663	2.41566	2.36948						
	2.42627	2.50545	2.33536				AVRG		2.38399		3.24700	<-
15 N-Nitrosomethylethylamine	+++++	0.72180	0.81929	0.88581	0.82106	0.88817						
	0.78003	0.76649	1.11211				AVRG		0.84934		14.17905	<-

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Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9								
16 Methyl methanesulfonate	+++++	1.52661	1.43059	1.51803	1.49721	1.49676	AVRG		1.47872		2.84053 <-
	1.41121	1.49632	1.45302								
18 1,3-Dichloro-2-propanol	+++++	2.68629	2.69638	2.79773	2.75216	2.80117	AVRG		2.75949		2.34339 <-
	2.68651	2.85954	2.79612								
19 N-Nitrosodiethylamine	+++++	1.08732	0.99459	1.03538	1.03114	1.03092	AVRG		1.02852		3.29002 <-
	0.98420	1.05834	1.00630								
21 Aniline	+++++	3.00793	2.97347	3.24206	3.15512	2.87005	AVRG		3.01424		4.52745 <-
	2.95515	2.89589	+++++								
22 Phenol	+++++	2.48989	2.48995	2.67359	2.57379	2.31478	AVRG		2.46851		5.17034 <-
	2.37758	2.36000	+++++								
23 bis(2-Chloroethyl)ether	+++++	1.89505	1.78668	1.94887	1.95546	1.71430	AVRG		1.81082		6.80588 <-
	1.73155	1.64386	+++++								
24 2-Chlorophenol	+++++	1.27610	1.34797	1.44739	1.37255	1.26272	AVRG		1.32464		5.12662 <-
	1.28934	1.27641	+++++								

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
25 Pentachloroethane	+++++ / 0.52505	0.62236 / 0.55237	0.52894 / 0.52358	0.57514	0.55406	0.53233	AVRG		0.55173		6.10509	<-
26 1,3-Dichlorobenzene	+++++ / 1.20854	1.28871 / 1.15672	1.31773 / +++++	1.33917	1.32097	1.24623	AVRG		1.26829		5.30542	<-
27 1,4-Dichlorobenzene	+++++ / 1.12419	1.22258 / 1.03685	1.23215 / +++++	1.24742	1.21978	1.12553	AVRG		1.17264		6.68362	<-
28 1,2-Dichlorobenzene	+++++ / 1.12240	1.19281 / 1.06321	1.25067 / +++++	1.29329	1.23605	1.17137	AVRG		1.18997		6.64109	<-
29 Benzyl Alcohol	+++++ / 1.12925	1.05553 / 1.08465	1.15468 / +++++	1.24609	1.24343	1.06244	AVRG		1.13944		7.02979	<-
30 2-Methylphenol	+++++ / 1.61716	1.58241 / 1.54689	1.61935 / +++++	1.78506	1.76063	1.58410	AVRG		1.64223		5.64796	<-
31 bis(2-Chloroisopropyl)ether	+++++ / 1.37853	1.37754 / 1.29463	1.46893 / +++++	1.52779	1.54416	1.36306	AVRG		1.42209		6.53886	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
32 N-Nitroso-di-n-propylamine	+++++ / 1.78780	1.85493 / 1.69660	1.89560 / +++++	2.06768	1.93761	1.74350	AVRG		1.85482		6.81047	<-
195 Cresols, total	+++++ / 3.15506	3.20652 / 2.88007	3.32379 / +++++	3.59730	3.55872	2.87318	AVRG		3.22780		9.01170	<-
192 4-Methylphenol	+++++ / 1.53790	1.62411 / 1.33318	1.70444 / +++++	1.81224	1.79809	1.28908	AVRG		1.58558		13.28028	<-
193 3-Methylphenol	+++++ / 1.83813	+++++ / 1.93787	+++++ / 1.86084	1.64502	1.72940	1.94658	AVRG		1.82631		6.50180	<-
34 Hexachloroethane	+++++ / 0.59966	0.59902 / 0.56894	0.62897 / +++++	0.66391	0.64624	0.59474	AVRG		0.61450		5.39086	<-
35 Nitrobenzene	+++++ / 0.70929	0.69851 / 0.69750	0.67344 / +++++	0.71745	0.70206	0.66865	AVRG		0.69527		2.58300	<-
36 N-Nitrosopyrrolidine	+++++ / 0.89741	0.87408 / 0.83563	0.85515 / 0.85701	0.92917	0.99876	1.01326	AVRG		0.90756		7.40980	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
37 Acetophenone	+++++ / 2.25176	2.29156 / 2.11049	2.32421 / +++++	2.48948	2.45388	2.14092	AVRG		2.29461		6.25458	<-
39 o-Toluidine	+++++ / 3.10843	2.88517 / 3.28588	2.82192 / 3.11734	3.09314	3.13092	3.19033	AVRG		3.07914		4.97225	<-
40 N-Nitrosopiperidine	+++++ / 0.20514	0.19065 / 0.22095	0.19232 / 0.21260	0.20978	0.21655	0.21281	AVRG		0.20760		5.28389	<-
41 Isophorone	+++++ / 1.15125	1.04058 / 1.13029	1.04378 / +++++	1.15366	1.14482	0.87705	AVRG		1.07735		9.37747	<-
42 2-Nitrophenol	+++++ / 0.19744	0.17001 / 0.19802	0.18150 / +++++	0.19877	0.20027	0.19841	AVRG		0.19206		6.06778	<-
43 2,4-Dimethylphenol	+++++ / 0.50689	0.44896 / 0.50261	0.45728 / +++++	0.48618	0.48716	0.46928	AVRG		0.47977		4.59620	<-
44 bis(2-Chloroethoxy)methane	+++++ / 0.59362	0.58192 / 0.59008	0.56011 / +++++	0.60344	0.59946	0.56903	AVRG		0.58538		2.72993	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
45 O,O,O-Triethyl phosphorothioa	+++++ / 0.18133	0.18308 / 0.19005	0.18964 / 0.17876	0.18993	0.19178	0.18921	AVRG		0.18672		2.61831	<-
46 2,4-Toluenediamene	+++++ / 169930	+++++ / 148139	23752 / +++++	40115	102477	205323	QUAD	-0.91165	20.39444	-21.14269	0.67440	<-
47 1,3,5-Trichlorobenzene	+++++ / 0.29860	0.31201 / 0.29160	0.28050 / +++++	0.29936	0.29879	0.28833	AVRG		0.29560		3.38124	<-
48 2,4-Dichlorophenol	+++++ / 0.28909	0.26602 / 0.29237	0.25749 / +++++	0.27928	0.29173	0.28130	AVRG		0.27961		4.78990	<-
49 Benzoic Acid	+++++ / 0.24456	+++++ / 0.24745	+++++ / 0.25334	0.16640	0.24032	0.22230	AVRG		0.22906		14.16845	<-
50 1,2,4-Trichlorobenzene	+++++ / 0.29124	0.30705 / 0.28730	0.27746 / +++++	0.29959	0.28897	0.28911	AVRG		0.29153		3.23678	<-
51 Naphthalene	1.04107 / 1.04087	0.99404 / 1.02269	0.97403 / +++++	1.01139	1.01233	0.99718	AVRG		1.01170		2.29605	<-

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52 4-Chloroaniline	+++++ / 0.43423	0.39291 / 0.42813	0.38339 / +++++	0.41441	0.42861	0.43214	AVRG		0.41626		4.90161	<-
53 a,a-Dimethyl-phenethylamine	+++++ / 2007607	+++++ / 3313736	76025 / 3835189	230439	802359	1464272	QUAD	0.11378	0.91815	-0.00006	0.99276	<-
54 2,6-Dichlorophenol	+++++ / 0.25715	+++++ / 0.27897	0.19572 / 0.26398	0.24206	0.26712	0.27146	AVRG		0.25378		11.08572	<-
55 Hexachloropropene	+++++ / 0.23618	0.24187 / 0.25373	0.23389 / 0.23794	0.24011	0.23970	0.24185	AVRG		0.24066		2.47427	<-
56 Hexachlorobutadiene	+++++ / 0.17396	0.17494 / 0.17150	0.15710 / +++++	0.17799	0.17451	0.16845	AVRG		0.17121		4.02552	<-
57 1,2,3-Trichlorobenzene	+++++ / 0.28173	0.22948 / 0.27692	0.25658 / +++++	0.28602	0.27828	0.27147	AVRG		0.26864		7.32331	<-
58 N-Nitrosodi-n-butylamine	+++++ / 0.39398	0.40383 / 0.35410	0.34459 / 0.40848	0.41066	0.41964	0.42692	AVRG		0.39527		7.61646	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
59 4-Chloro-3-Methylphenol	+++++ / 0.43586	0.36756 / 0.42759	0.35307 / +++++	0.39803	0.43987	0.39494	AVRG		0.40242		8.41497	<-
60 p-Phenylene diamine	+++++ / 0.48564	+++++ / 0.45521	+++++ / 0.50457	0.33733	0.41110	0.46325	AVRG		0.44285		13.68089	<-
61 Safrole	+++++ / 0.26254	0.27484 / 0.28029	0.26700 / 0.26348	0.26372	0.28264	0.27828	AVRG		0.27160		3.06177	<-
62 2-Methylnaphthalene	0.60949 / 0.64961	0.63138 / 0.64828	0.62235 / +++++	0.63694	0.65004	0.64485	AVRG		0.63662		2.31484	<-
63 1-Methylnaphthalene	0.65180 / 0.62522	0.60384 / 0.61829	0.58748 / +++++	0.61785	0.62255	0.61047	AVRG		0.61719		2.99944	<-
64 Hexachlorocyclopentadiene	+++++ / 0.37229	0.37709 / 0.37143	0.35013 / +++++	0.39258	0.38282	0.35567	AVRG		0.37172		3.97735	<-
65 1,2,4,5-Tetrachlorobenzene	+++++ / 0.55704	0.62962 / 0.60002	0.56608 / 0.56852	0.59882	0.59022	0.57731	AVRG		0.58595		4.02770	<-

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Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
66 2,4,6-Trichlorophenol	+++++	0.42845	0.39344	0.42520	0.41293	0.45104						
	0.41034	0.44755	+++++				AVRG		0.42414		4.86077	<-
67 2,4,5-Trichlorophenol	+++++	+++++	0.33189	0.40510	0.38661	0.35498						
	0.39682	0.37425	+++++				AVRG		0.37494		7.33025	<-
68 1,2,3,5-Tetrachlorobenzene	+++++	0.52213	0.43098	0.52962	0.49713	0.48592						
	0.49522	0.50004	+++++				AVRG		0.49443		6.47139	<-
69 1,4-Dinitrobenzene	+++++	+++++	+++++	0.18784	0.22407	0.24074						
	0.23094	0.25592	0.25133				AVRG		0.23181		10.63079	<-
70 2-Chloronaphthalene	+++++	1.01808	1.02179	1.07882	1.03504	1.02145						
	1.04824	1.04120	+++++				AVRG		1.03780		2.05296	<-
71 Isosafrole 1	+++++	0.15943	0.16112	0.14424	0.15709	0.15512						
	0.15367	0.16375	0.15709				AVRG		0.15644		3.76876	<-
188 Isosafrole, Total	+++++	1.09673	1.05037	1.11993	1.15237	1.13185						
	1.11332	0.97802	1.06871				AVRG		1.08891		5.11061	<-

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72 Isosafrole 2	+++++ / 0.95965	0.93731 / 0.81427	0.88926 / 0.91162	0.97569	0.99528	0.97673	AVRG		0.93248		6.38397	<-
73 2-Nitroaniline	+++++ / 0.64111	0.53829 / 0.64091	0.48612 / +++++	0.62388	0.64384	0.62451	AVRG		0.59981		10.37407	<-
74 1,2,3,4-Tetrachlorobenzene	+++++ / 0.49291	0.38220 / 0.47519	0.48737 / +++++	0.49399	0.49510	0.46084	AVRG		0.46966		8.62787	<-
75 1,4-Naphthoquinone	+++++ / 0.37493	+++++ / 0.43216	0.37212 / 0.39467	0.41810	0.46628	0.43118	AVRG		0.41278		8.28561	<-
76 Dimethylphthalate	+++++ / 1.25185	1.18016 / 1.26677	1.18252 / +++++	1.25433	1.22584	1.21790	AVRG		1.22562		2.82431	<-
77 m-Dinitrobenzene	+++++ / 0.25729	+++++ / 0.27550	+++++ / 0.26925	0.20687	0.24986	0.25872	AVRG		0.25291		9.61906	<-
78 2,6-Dinitrotoluene	+++++ / 0.28639	0.24334 / 0.28678	0.23382 / +++++	0.26518	0.26933	0.27574	AVRG		0.26580		7.68338	<-

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79 Acenaphthylene	1.79234 / 1.88379	1.48044 / 1.87337	1.76940 / +++++	1.80084	1.84950	1.80524	AVRG		1.78187		7.20475	<-
80 1,2-Dinitrobenzene	+++++ / 156500	6021 / 210384	6755 / +++++	17860	60650	114895	QUAD	0.04170	6.69603	0.53265	0.99273	<-
81 3-Nitroaniline	+++++ / 0.32676	0.28749 / 0.32693	0.31151 / +++++	0.30400	0.32170	0.32302	AVRG		0.31449		4.64072	<-
82 Acenaphthene	1.18268 / 1.17057	1.18063 / 1.16432	1.09396 / +++++	1.19532	1.17460	1.15952	AVRG		1.16520		2.65031	<-
83 2,4-Dinitrophenol	+++++ / 0.25081	+++++ / 0.25370	+++++ / 0.24740	0.17458	0.22944	0.23809	AVRG		0.23234		12.76946	<-
84 Pentachlorobenzene	+++++ / 0.45406	0.50612 / 0.49087	0.48290 / 0.46733	0.47307	0.48855	0.47610	AVRG		0.47987		3.32155	<-
85 4-Nitrophenol	+++++ / 0.26790	+++++ / 0.26236	+++++ / 0.27992	0.22167	0.28085	0.27617	AVRG		0.26481		8.42963	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
86 Dibenzofuran	+++++ / 1.62844	1.61392 / 1.62035	1.56145 / +++++	1.61919	1.59958	1.59374	AVRG		1.60524		1.42011	<-
87 2,4-Dinitrotoluene	+++++ / 0.40923	+++++ / 0.35430	0.34197 / +++++	0.39597	0.39616	0.40102	AVRG		0.38311		7.25379	<-
88 2,3,4,6-Tetrachlorophenol	+++++ / 0.30889	+++++ / 0.34359	+++++ / 0.33582	0.23636	0.31932	0.32709	AVRG		0.31185		12.48363	<-
89 1-Naphthylamine	+++++ / 1.23293	0.97043 / 1.32975	1.00354 / 1.29506	1.17281	1.22376	1.26861	AVRG		1.18711		11.16347	<-
90 Zinophos	+++++ / 0.43724	0.35016 / 0.47502	0.44251 / 0.46344	0.45984	0.45217	0.46436	AVRG		0.44309		8.91352	<-
91 2,3,5,6-Tetrachlorophenol	+++++ / 0.36576	+++++ / 0.36469	0.26436 / +++++	0.34618	0.36077	0.35447	AVRG		0.34271		11.39839	<-
92 2-Naphthylamine	+++++ / 1.21473	+++++ / 1.33226	1.00869 / 1.25916	1.19952	1.16472	1.22045	AVRG		1.19993		8.29718	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
93 Diethylphthalate	+++++ / 1.32408	1.30727 / 1.31389	1.24797 / +++++	1.34351	1.31713	1.27508	AVRG		1.30413		2.46894	<-
94 Fluorene	1.22789 / 1.26573	1.22861 / 1.25771	1.21985 / +++++	1.30058	1.25997	1.22757	AVRG		1.24849		2.20505	<-
95 4-Chlorophenyl-phenylether	+++++ / 0.64401	0.67599 / 0.64401	0.64677 / +++++	0.67757	0.65256	0.63798	AVRG		0.65413		2.45675	<-
96 4-Nitroaniline	+++++ / 0.34334	+++++ / 0.35138	0.28559 / +++++	0.27849	0.27525	0.36619	AVRG		0.31671		13.02420	<-
97 5-Nitro-o-toluidine	+++++ / 432729	+++++ / 687516	+++++ / 870032	37454	168199	353756	QUAD	0.17791	2.27703	0.00083	0.99807	<-
98 4,6-Dinitro-2-methylphenol	+++++ / 0.15177	+++++ / 0.14087	+++++ / 0.13515	0.13543	0.15539	0.15828	AVRG		0.14615		7.03166	<-
99 N-Nitrosodiphenylamine	+++++ / 0.53684	0.51920 / 0.52950	0.50630 / +++++	0.54520	0.53681	0.53262	AVRG		0.52950		2.44780	<-

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Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
100 1,2-Diphenylhydrazine	+++++ 1.31687	1.27560 1.45505	1.27241 +++++	1.34506	1.32572	1.44814	AVRG		1.34841		5.57586	<-
101 Diphenylamine	+++++ 0.53684	0.41133 0.52950	0.50630 +++++	0.54520	0.53681	0.53262	AVRG		0.51409		9.12461	<-
102 Tetraethyl dithiopyrophosphat	+++++ 0.10181	0.09560 0.10343	0.10440 0.10223	0.10731	0.10519	0.10443	AVRG		0.10305		3.36671	<-
103 Diallate 1	+++++ 0.86442	0.94968 0.90028	0.88594 0.87258	0.88930	0.89735	0.87471	AVRG		0.89178		2.96818	<-
189 Diallate, Total	+++++ 4.11791	4.33227 4.40341	4.24589 4.23929	4.22196	4.44282	4.51263	AVRG		4.31452		3.05380	<-
104 Phorate	+++++ 0.15921	0.16656 0.16010	0.14927 0.13971	0.16917	0.16937	0.15803	AVRG		0.15893		6.45583	<-
105 1,3,5-Trinitrobenzene	+++++ 0.09108	+++++ 0.09309	+++++ 0.09410	0.06913	0.08941	0.09053	AVRG		0.08789		10.63936	<-

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Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
106 4-Bromophenyl-phenylether	+++++	0.17639	0.16550	0.19224	0.19290	0.18582						
	0.18727	0.18057	+++++				AVRG		0.18296		5.30462	<-
107 Hexachlorobenzene	+++++	0.16552	0.18546	0.19459	0.17939	0.17620						
	0.17501	0.16912	+++++				AVRG		0.17790		5.52397	<-
108 Phenacetin	+++++	+++++	+++++	0.36098	0.51073	0.51701						
	0.52275	0.46402	0.47254				AVRG		0.47467		12.79703	<-
109 Diallate 2	+++++	0.18722	0.18497	0.19196	0.18868	0.18770						
	0.18548	0.18909	0.18424				AVRG		0.18742		1.35264	<-
110 Dimethoate	+++++	+++++	0.33148	0.42077	0.43863	0.44733						
	0.41007	0.45804	0.37386				AVRG		0.41146		10.91160	<-
111 Pentachlorophenol	+++++	+++++	0.08974	0.12634	0.14208	0.13239						
	0.13660	0.13666	0.13324				AVRG		0.12815		13.73996	<-
112 Pentachloronitrobenzene	+++++	0.09225	0.09425	0.09315	0.09462	0.09798						
	0.09315	0.09709	0.09402				AVRG		0.09456		2.10814	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
113 4-Aminobiphenyl	+++++	0.60894	0.70979	0.79384	0.72666	0.79588						
	0.78541	0.74697	0.80326				AVRG		0.74634		8.78298	<-
114 Pronamide	+++++	0.31732	0.31559	0.32014	0.35423	0.34425						
	0.34403	0.35436	0.34644				AVRG		0.33705		4.91295	<-
115 Phenanthrene	1.06554	1.02785	0.96874	1.04168	1.03110	1.02255						
	1.03269	1.01644	+++++				AVRG		1.02582		2.67339	<-
116 Anthracene	1.03646	0.93762	0.99618	1.02976	1.02968	1.01463						
	1.02974	0.99568	+++++				AVRG		1.00872		3.24720	<-
117 Dinoseb	+++++	+++++	+++++	35583	150005	325504						
	406238	657218	821158				QUAD	0.21289	4.34867	0.06933	0.99866	<-
118 Disulfoton	+++++	0.61324	0.60338	0.61090	0.63654	0.63466						
	0.61931	0.63892	0.62325				AVRG		0.62253		2.11328	<-
119 Carbazole	+++++	0.81151	0.89502	1.00288	0.95628	0.95652						
	0.98502	0.96335	+++++				AVRG		0.93865		6.95672	<-

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120 Di-n-Butylphthalate	+++++	0.94137	1.14448	1.21990	1.21446	1.20955	AVRG		1.17259		9.12453	<-
	1.24936	1.22902	+++++									
121 4-Nitroquinoline 1-oxide	+++++	+++++	+++++	10915	61050	165612	QUAD	0.40605	8.31453	-1.87637	0.99496	<-
	221887	409596	517507									
122 Methapyrilene	+++++	0.35261	0.41981	0.44910	0.50212	0.42131	AVRG		0.44797		13.97152	<-
	0.39789	0.54132	0.49961									
123 Fluoranthene	1.24357	1.07094	1.11941	1.20040	1.20052	1.17939	AVRG		1.17193		4.55867	<-
	1.18588	1.17532	+++++									
124 Benzidine	+++++	+++++	0.55244	0.59793	0.64289	0.69102	AVRG		0.66915		10.96961	<-
	0.74208	0.72575	0.73195									
125 Pyrene	1.30978	1.25253	1.20627	1.29786	1.28192	1.33384	AVRG		1.29525		3.86448	<-
	1.37091	1.30890	+++++									
126 Aramite 1	+++++	0.06552	0.06442	0.07119	0.07170	0.07138	AVRG		0.06890		4.97155	<-
	0.06468	0.07247	0.06983									

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191 Aramite, Total	+++++ / 0.57479	0.53803 / 0.59533	0.53686 / 0.59330	0.56518	0.61224	0.67183	AVRG		0.58594		7.48655	<-
127 Aramite 2	+++++ / 0.08464	0.08617 / 0.07995	0.07788 / 0.08188	0.08310	0.08569	0.09060	AVRG		0.08374		4.73590	<-
128 p-Dimethylamino azobenzene	+++++ / 0.27550	0.25478 / 0.29395	0.24666 / 0.27819	0.27638	0.29161	0.28567	AVRG		0.27534		6.09598	<-
129 p-Chlorobenzilate	+++++ / 0.42073	0.45179 / 0.43933	0.40385 / 0.41790	0.42920	0.44741	0.41697	AVRG		0.42840		3.87706	<-
130 Famphur 1	+++++ / 0.04281	0.40933 / 0.18689	0.41295 / 0.19891	0.42546	0.18369	0.12213	AVRG		0.24777		59.66003	<-
131 Butylbenzylphthalate	+++++ / 0.61925	0.44240 / 0.59083	0.49872 / +++++	0.54491	0.56283	0.59945	AVRG		0.55120		11.30476	<-
132 3,3'-Dimethylbenzidine	+++++ / 920296	+++++ / 2102825	58536 / 2581686	143206	396459	665692	QUAD	-0.06612	2.40524	-0.23793	0.98072	<-

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133 3,3'-Dimethoxybenzidine	+++++	+++++	0.22505	0.24774	0.25969	0.23415						
	0.26737	0.26727	+++++				AVRG		0.25021		7.08785	<-
134 2-Acetylaminofluorene	+++++	+++++	+++++	88699	364660	839551						
	1013639	1609533	2090763				QUAD	0.17607	1.75491	-0.00825	0.99921	<-
135 3,3'-Dichlorobenzidine	+++++	0.35226	0.39910	0.39245	0.42285	0.41972						
	0.43484	0.42684	+++++				AVRG		0.40687		6.98943	<-
136 Benzo(a)Anthracene	1.63981	1.20447	1.42735	1.20987	1.22607	1.38168						
	1.30352	1.34005	+++++				AVRG		1.34160		10.86901	<-
137 Chrysene	0.81719	0.94777	0.83470	1.06706	1.08048	0.99670						
	1.11603	1.02183	+++++				AVRG		0.98522		11.29295	<-
138 4,4'-Methylene bis(o-chloroan	+++++	0.17961	0.21318	0.22241	0.22769	0.22815						
	0.23190	0.22675	+++++				AVRG		0.21853		8.31541	<-
139 bis(2-ethylhexyl)Phthalate	+++++	0.71886	0.73492	0.79165	0.81837	0.83484						
	0.88178	0.83366	+++++				AVRG		0.80201		7.24059	<-

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140 Di-n-octylphthalate	+++++ / 2.00858	1.54386 / 2.01971	1.63523 / +++++	1.80420	1.86078	1.91625	AVRG		1.82695		9.91008	<-
141 Benzo(b)fluoranthene	1.82007 / 1.83037	1.51849 / 1.98816	1.74095 / +++++	1.80797	1.96780	1.95338	AVRG		1.82840		8.39079	<-
142 Benzo(k)fluoranthene	1.07332 / 1.49851	1.12152 / 1.30815	1.28086 / +++++	1.42096	1.17876	1.20439	AVRG		1.26081		11.58184	<-
143 7,12-dimethylbenz[a]anthracen	+++++ / 0.78364	0.67820 / 0.83258	0.61167 / 0.78784	0.74481	0.76595	0.77980	AVRG		0.74806		9.42698	<-
144 Hexachlorophene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
145 Hexachlorophene product	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 Benzo(a)pyrene	1.39531 / 1.47139	1.34632 / 1.46302	1.33035 / +++++	1.41591	1.41151	1.40492	AVRG		1.40484		3.51246	<-

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148 3-Methylcholanthrene	+++++	0.72550	0.72188	0.89950	0.87149	0.89013						
	0.88224	0.91592	0.87490				AVRG		0.84769		9.18103	<-
149 Indeno(1,2,3-cd)pyrene	1.45599	1.21718	1.43802	1.41437	1.57660	1.57931						
	1.62836	1.61509	+++++				AVRG		1.49062		9.29148	<-
150 Dibenz(a,h)anthracene	1.25319	0.94858	1.16926	1.31056	1.30715	1.33317						
	1.38749	1.36501	+++++				AVRG		1.25930		11.33688	<-
151 Benzo(g,h,i)perylene	1.40223	1.05863	0.97921	1.30518	1.31044	1.31317						
	1.37286	1.36065	+++++				AVRG		1.26280		12.33499	<-
199 3-Picoline	+++++	+++++	+++++	95886	400537	807389						
	1055459	1679828	2116342				QUAD	0.17379	0.42717	0.00042	0.99812	<-
200 N,N-Dimethylacetamide	+++++	1.13833	1.01952	1.20270	1.15288	1.18620						
	1.13543	1.22651	1.15786				AVRG		1.15243		5.42274	<-
201 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-

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202 Diphenyl	+++++ +++++	+++++ +++++	+++++ +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
203 Diphenyl ether	+++++ +++++	+++++ +++++	+++++ +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
204 6-Methylchrysene	+++++ +++++	+++++ +++++	+++++ +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
205 Benzenethiol	+++++ +++++	+++++ +++++	+++++ +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
207 Indene	+++++ +++++	+++++ +++++	+++++ +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
208 Dibenz(a,j)acridine	+++++ +++++	+++++ +++++	+++++ +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
209 Benzaldehyde	+++++ 565727	33780 +++++	60620 +++++	100973	273404	517331	QUAD	0.03410	0.40489	0.11448	0.99797	<-

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210 Caprolactam	+++++ / 0.14257	+++++ / 0.13783	+++++ / +++++	0.11934	0.13816	0.13648	AVRG		0.13487		6.65877	<-
211 1,1'-Biphenyl	+++++ / 1.42048	1.34745 / 1.37718	1.38550 / +++++	1.47337	1.38908	1.37307	AVRG		1.39516		2.92266	<-
212 Atrazine	+++++ / 0.18833	+++++ / 0.18552	0.18708 / +++++	0.19822	0.19901	0.19259	AVRG		0.19179		3.01920	<-
213 Benzothiazole	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
214 1,3-Dimethyl-2-Thiourea	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
215 Phenyl ether	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
216 1,3-Diethyl-2-Thiourea	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
217 1,3-Dibutyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
218 1,1,3,3-Tetramethyl-2-Thioure	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
219 o-Benzyl Phenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
220 Diphenyl Thiourea	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
221 Hexabromobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
222 Dibenz(a,h)acridine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
223 1,2-bis(2-chloroethoxy)ethane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-

STL - North Canton

INITIAL CALIBRATION DATA

art Cal Date : 06-APR-2004 14:47
d Cal Date : 06-APR-2004 20:45
ant Method : ISTD
rget Version : 4.12
tegrator : HP RTE
thod file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
l Date : 07-Apr-2004 11:54 gruberj

Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
224 Acrylamide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
225 Methyl parathion	+++++	0.21980	0.26564	0.30552	0.32765	0.32495						
	0.30157	0.33328	0.31519				AVRG		0.29920		12.86179	<-
226 Parathion	+++++	0.18438	0.18953	0.21804	0.23427	0.24114						
	0.23526	0.24492	0.23902				AVRG		0.22332		10.67670	<-
227 Isodrin	+++++	0.22603	0.20168	0.20793	0.21011	0.20320						
	0.20079	0.20309	0.19831				AVRG		0.20639		4.26280	<-
228 Kepone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
229 Famphur,Total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	
230 Famphur 2	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	

STL - North Canton

INITIAL CALIBRATION DATA

art Cal Date : 06-APR-2004 14:47
d Cal Date : 06-APR-2004 20:45
ant Method : ISTD
rget Version : 4.12
tegrator : HP RTE
thod file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
l Date : 07-Apr-2004 11:54 gruberj

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
154 Nitrobenzene-d5	0.61356	0.63452	0.63528	0.65196	0.65836	0.62785	AVRG		0.64225		2.72258	<-
	0.66652	0.64992	+++++									
155 2-Fluorobiphenyl	1.45386	1.32817	1.33073	1.38833	1.32229	1.29784	AVRG		1.34605		3.75723	<-
	1.32819	1.31900	+++++									
156 Terphenyl-d14	0.76203	0.73348	0.72086	0.75107	0.76084	0.79755	AVRG		0.76413		3.95602	<-
	0.81013	0.77705	+++++									
157 Phenol-d5	2.28940	2.16574	2.22253	2.35249	2.24804	2.03328	AVRG		2.19852		4.66365	<-
	2.17686	2.09981	+++++									
158 2-Fluorophenol	1.59990	1.44942	1.47874	1.64653	1.42019	1.03645	AVRG		1.42346		12.96770	<-
	1.38091	1.37553	+++++									
159 2,4,6-Tribromophenol	+++++	+++++	0.13582	0.13971	0.15013	0.14034	AVRG		0.14152		3.35556	<-
	0.14243	0.14068	+++++									
186 2-Chlorophenol-d4	+++++	1.31518	1.35242	1.42131	1.37535	1.23348	AVRG		1.31652		5.43951	<-
	1.28648	1.23142	+++++									

ort Date : 07-Apr-2004 12:03

STL - North Canton

INITIAL CALIBRATION DATA

art Cal Date : 06-APR-2004 14:47
l Cal Date : 06-APR-2004 20:45
ant Method : ISTD
rget Version : 4.12
tegrator : HP RTE
thod file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
l Date : 07-Apr-2004 11:54 gruberj

Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
187 1,2-Dichlorobenzene-d4	+++++	0.82587	0.77980	0.87822	0.81840	0.77334						
	0.74983	0.72215	+++++				AVRG		0.79252		6.60286	<-

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 06-APR-2004 14:47
End Cal Date : 06-APR-2004 20:45
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Cal Date : 07-Apr-2004 11:54 gruberj

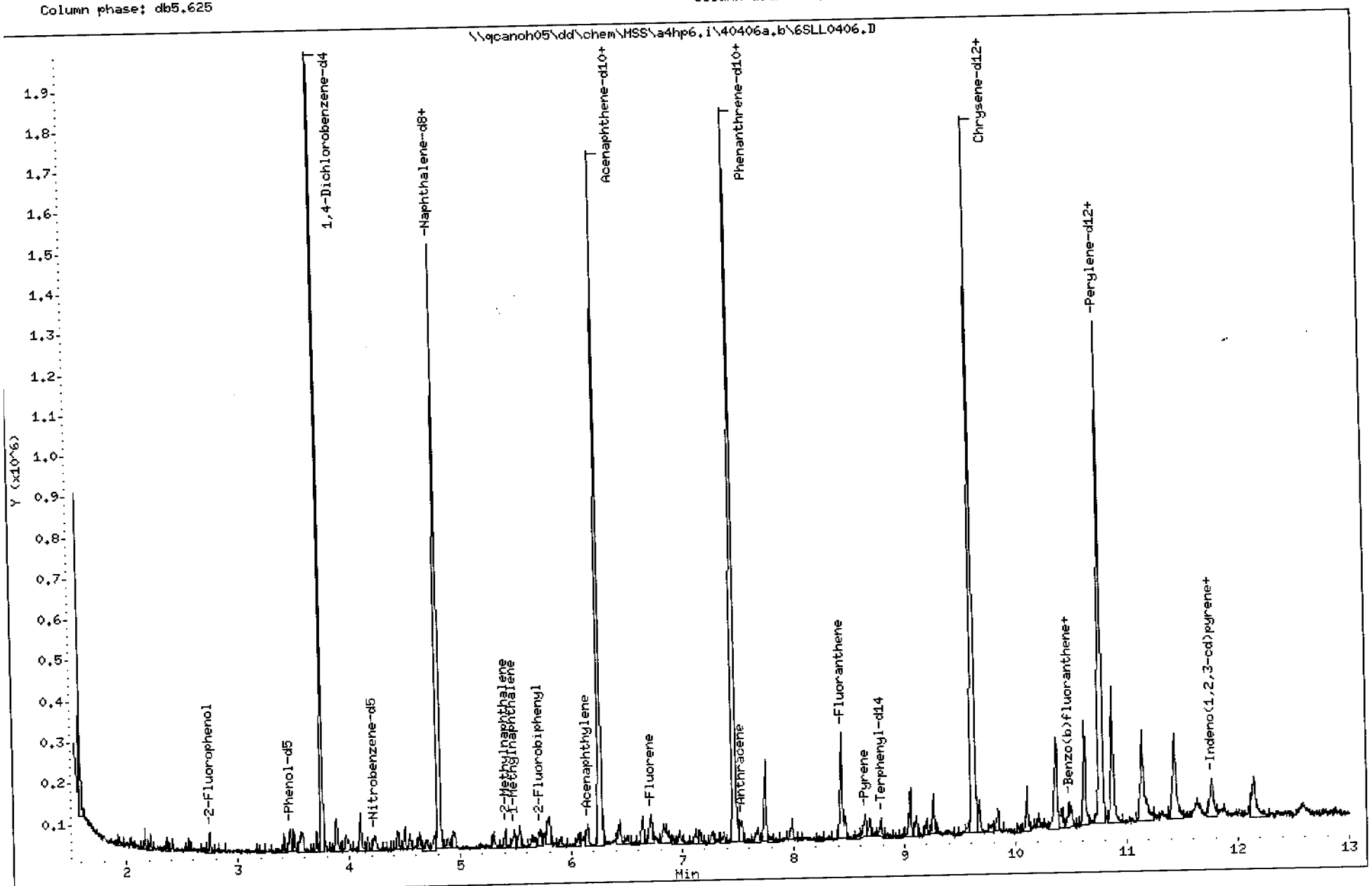
Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SLL0406.D
Date : 06-APR-2004 16:11
Client ID:
Sample Info: 11,40406a.b,8270p,pah.sub,1,,1

Instrument: a4hp6.i

Operator: 001710
Column diameter: 0.32

Column phase: db5.625



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

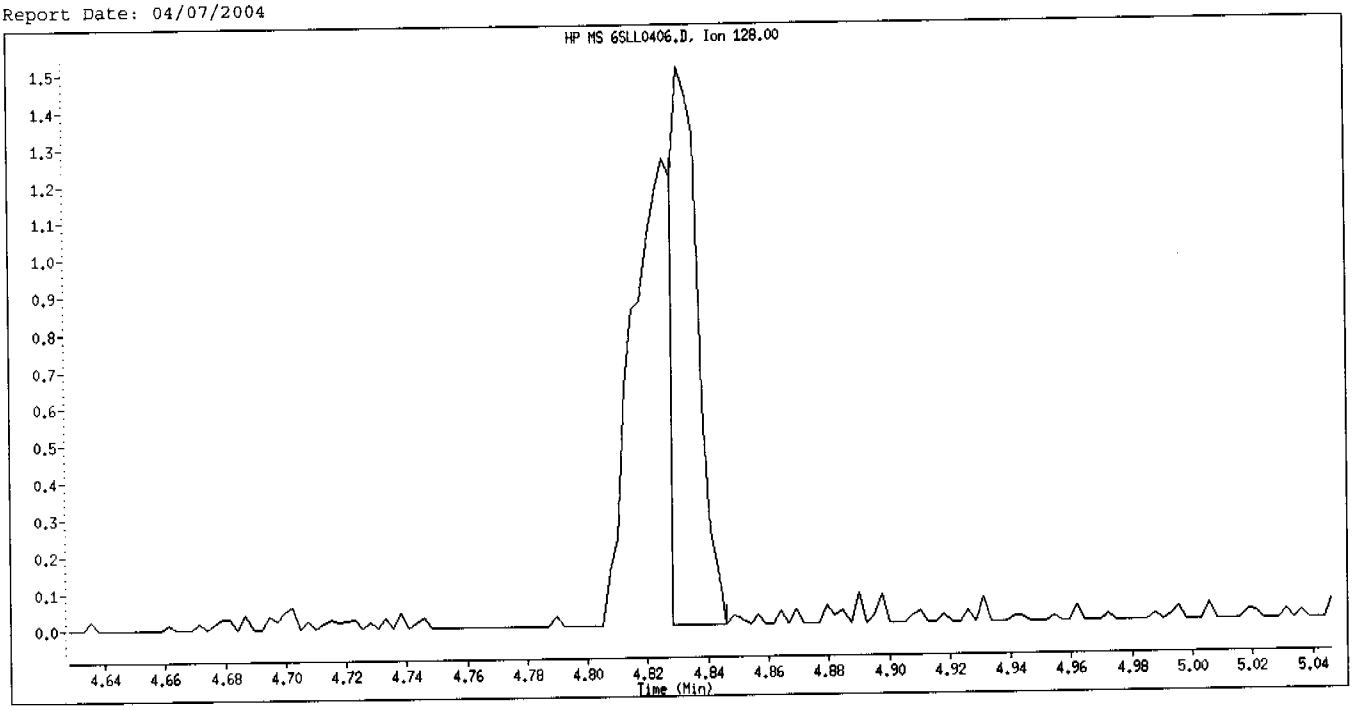
Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SLL0406.D
Lab Smp Id: 11
Inj Date : 06-APR-2004 16:11
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 11,40406a.b,8270p,pah.sub,1,,1
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:51 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 15:50 Cal File: 6SL0406.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.758	3.758	(1.000)	190862	2.00000	
* 2 Naphthalene-d8	136	4.815	4.815	(1.000)	755260	2.00000	
* 3 Acenaphthene-d10	164	6.265	6.265	(1.000)	434403	2.00000	(M)
* 4 Phenanthrene-d10	188	7.479	7.479	(1.000)	759393	2.00000	
* 5 Chrysene-d12	240	9.634	9.634	(1.000)	744064	2.00000	
* 6 Perylene-d12	264	10.781	10.781	(1.000)	497037	2.00000	
51 Naphthalene	128	4.830	4.830	(1.003)	19657	0.05000	0.052160(M)
62 2-Methylnaphthalene	142	5.409	5.409	(1.123)	11508	0.05000	0.047978(M)
63 1-Methylnaphthalene	142	5.491	5.491	(1.140)	12307	0.05000	0.053608(M)
79 Acenaphthylene	152	6.147	6.147	(0.981)	19465	0.05000	0.051951(M)
82 Acenaphthene	153	6.291	6.291	(1.004)	12844	0.05000	0.050928(M)
94 Fluorene	166	6.715	6.715	(1.072)	13335	0.05000	0.049027(M)
115 Phenanthrene	178	7.499	7.499	(1.003)	20229	0.05000	0.052368(M)
116 Anthracene	178	7.538	7.538	(1.008)	19677	0.05000	0.051910(M)
123 Fluoranthene	202	8.461	8.461	(1.131)	23609	0.05000	0.054171(QM)
125 Pyrene	202	8.646	8.646	(0.898)	24364	0.05000	0.051990(M)
136 Benzo(a)Anthracene	228	9.626	9.626	(0.999)	30503	0.05000	0.064715(M)
137 Chrysene	228	9.649	9.649	(1.002)	15201	0.05000	0.041587
141 Benzo(b)fluoranthene	252	10.485	10.485	(0.973)	22616	0.05000	0.051742(M)
142 Benzo(k)fluoranthene	252	10.508	10.508	(0.975)	13337	0.05000	0.042915(M)
146 Benzo(a)pyrene	252	10.734	10.734	(0.996)	17338	0.05000	0.050701(M)
149 Indeno(1,2,3-cd)pyrene	276	11.634	11.634	(1.079)	18092	0.05000	0.051574(QM)
150 Dibenz(a,h)anthracene	278	11.660	11.660	(1.082)	15572	0.05000	0.052927(M)
151 Benzo(g,h,i)perylene	276	11.873	11.873	(1.101)	17424	0.05000	0.060266(QM)
$ 154 Nitrobenzene-d5	82	4.221	4.221	(0.877)	11585	0.05000	0.047561
$ 155 2-Fluorobiphenyl	172	5.717	5.717	(0.913)	15789	0.05000	0.054152(M)
$ 156 Terphenyl-d14	244	8.790	8.790	(0.912)	14175	0.05000	0.051380(M)
$ 159 2,4,6-Tribromophenol	330	Compound Not Detected.					

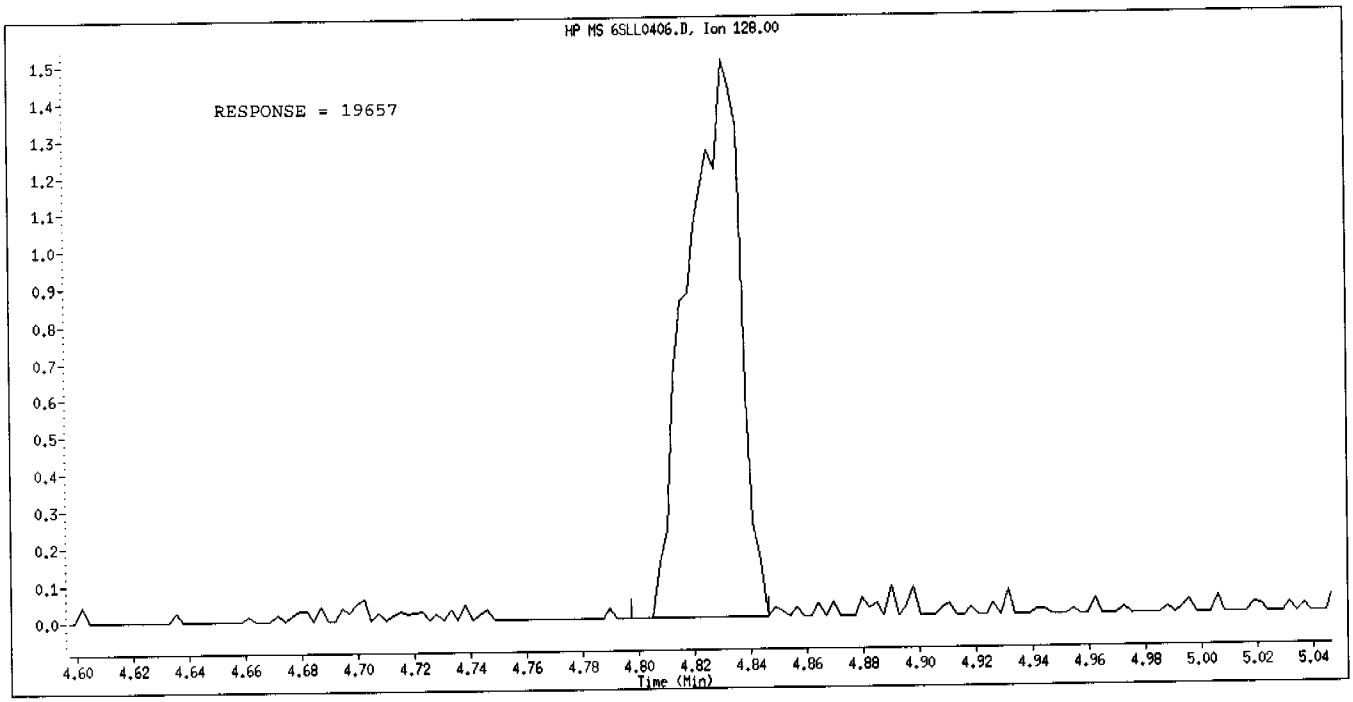
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Naphthalene
CAS #: 91-20-3
Report Date: 04/07/2004



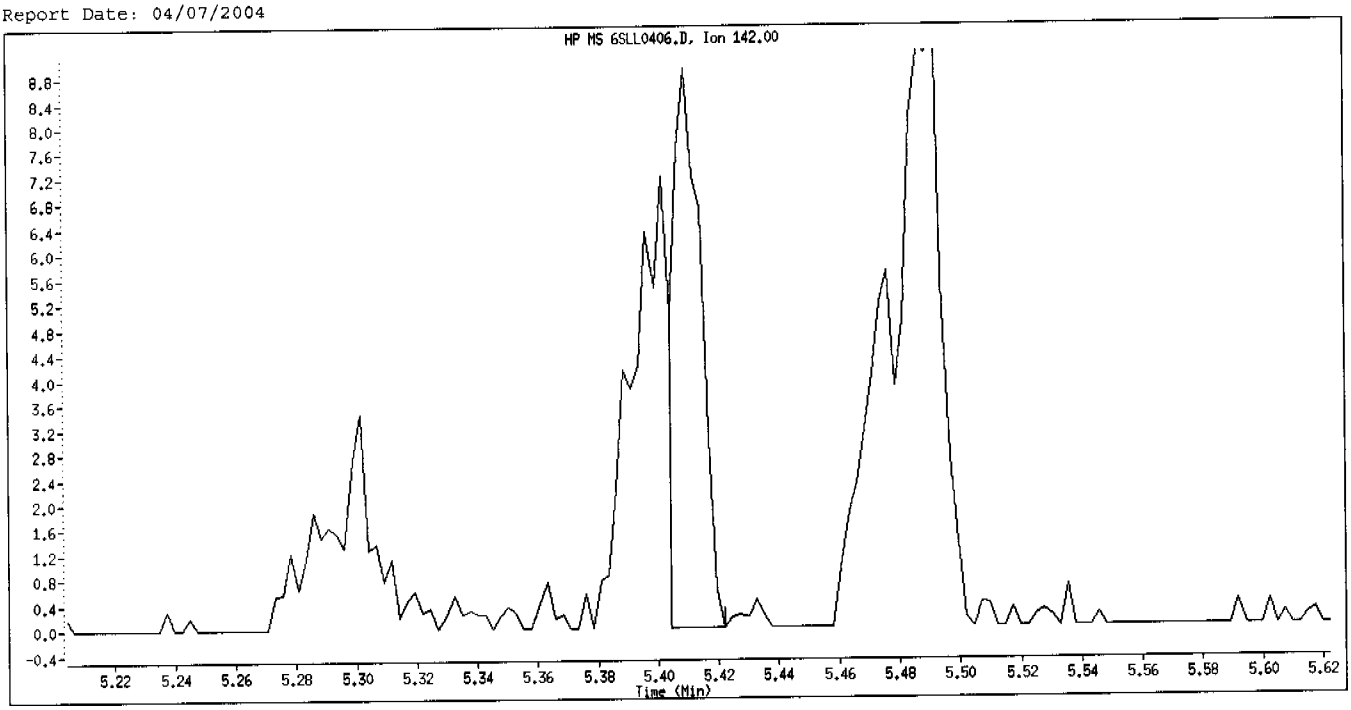
Original Integration



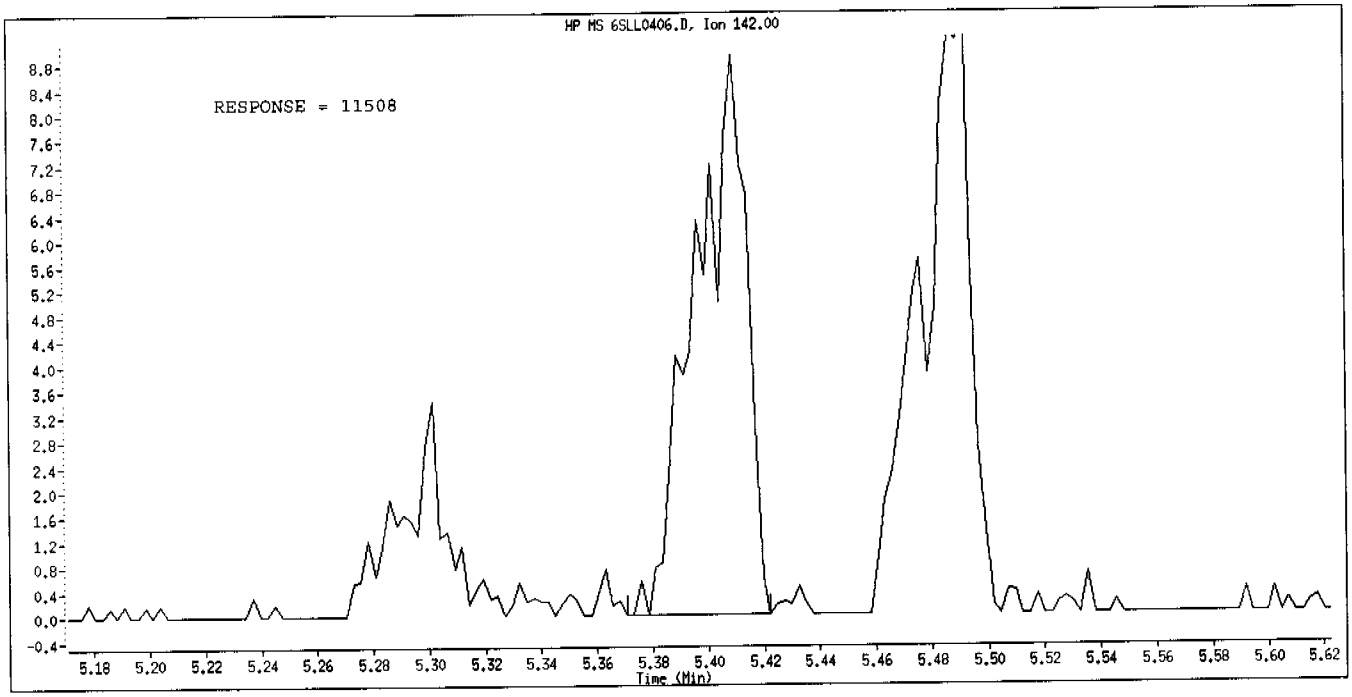
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: 2-Methylnaphthalene
CAS #: 91-57-6
Report Date: 04/07/2004



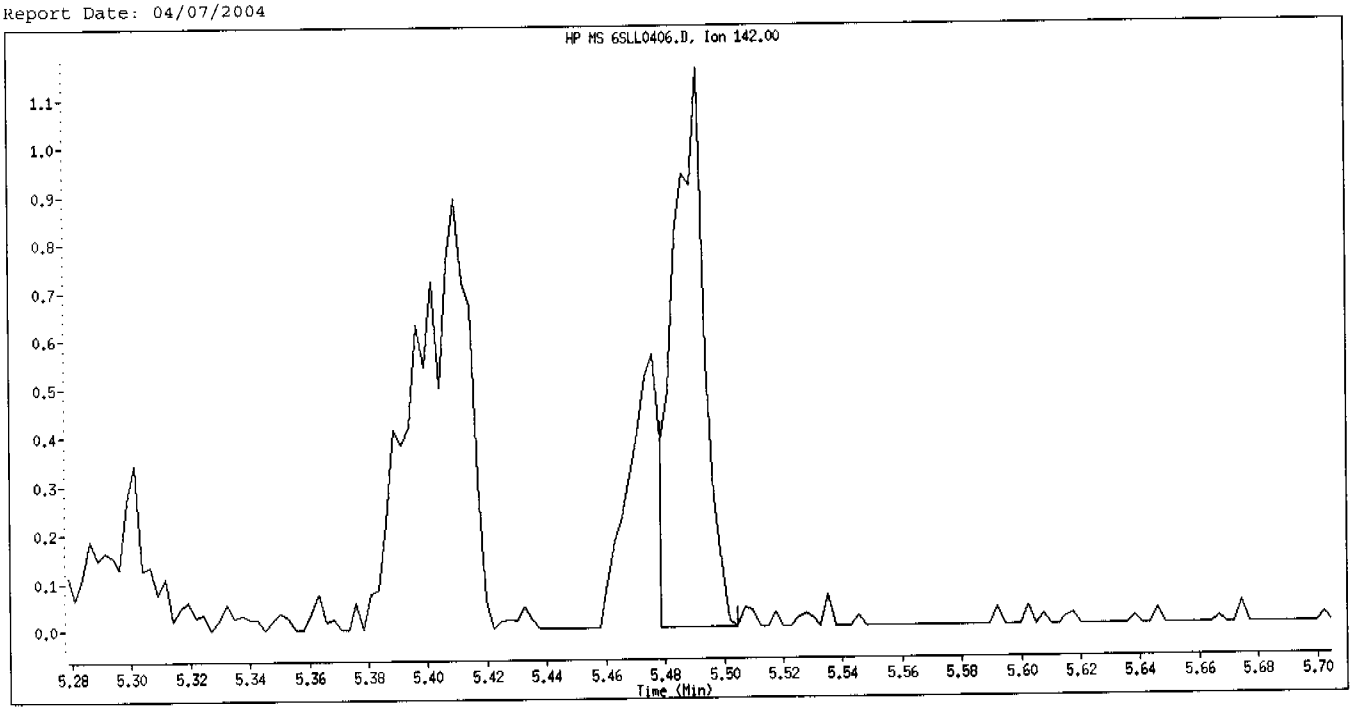
Original Integration



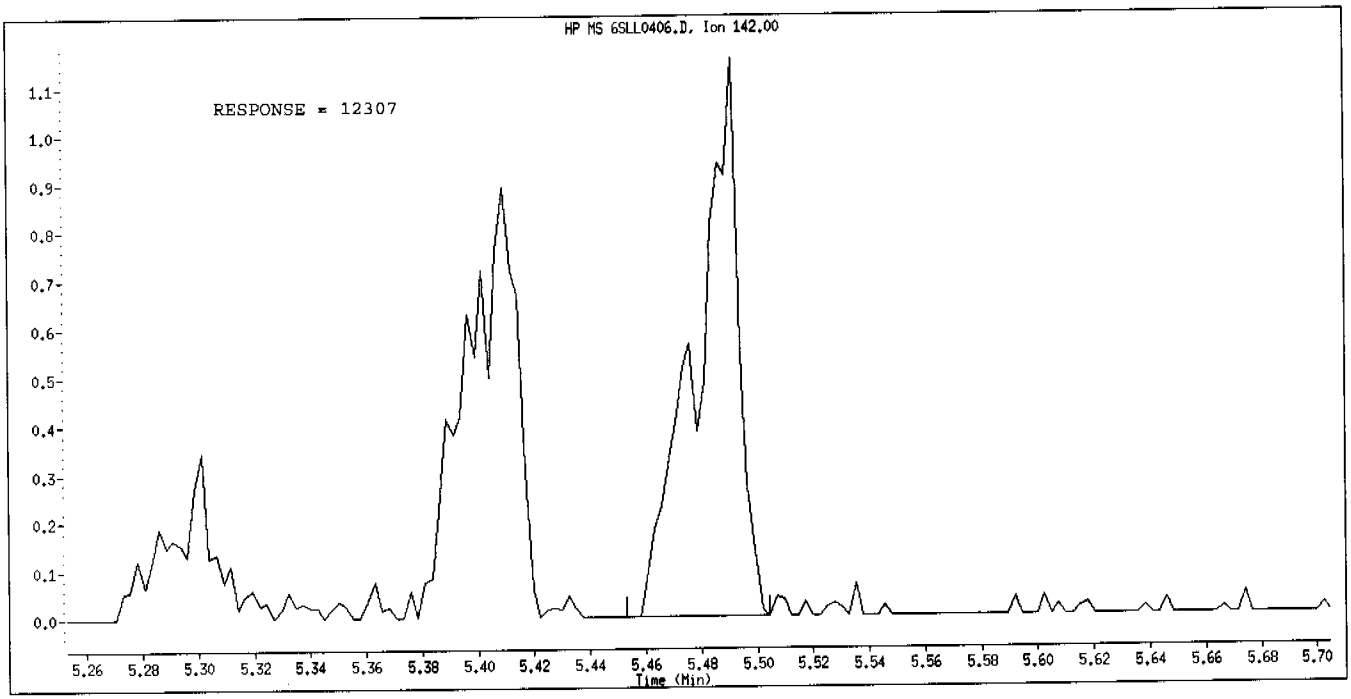
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: 1-Methylnaphthalene
CAS #: 90 12-0
Report Date: 04/07/2004



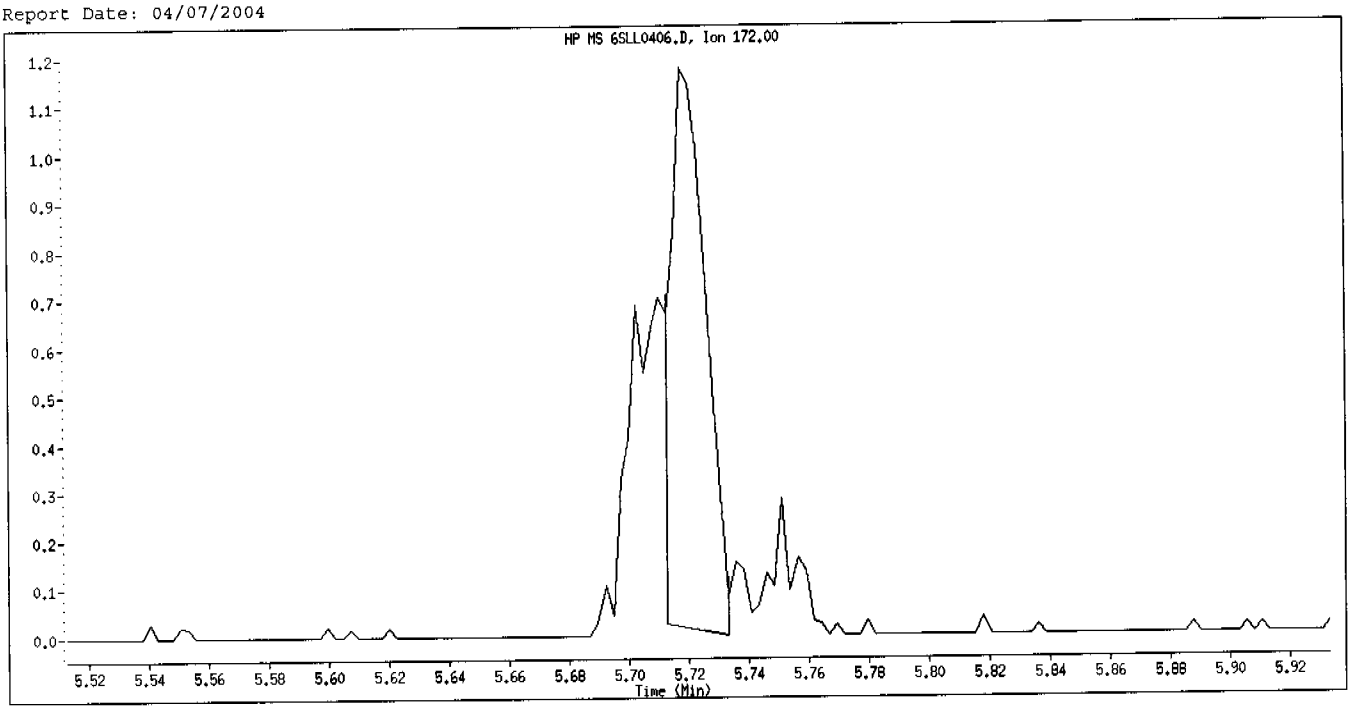
Original Integration



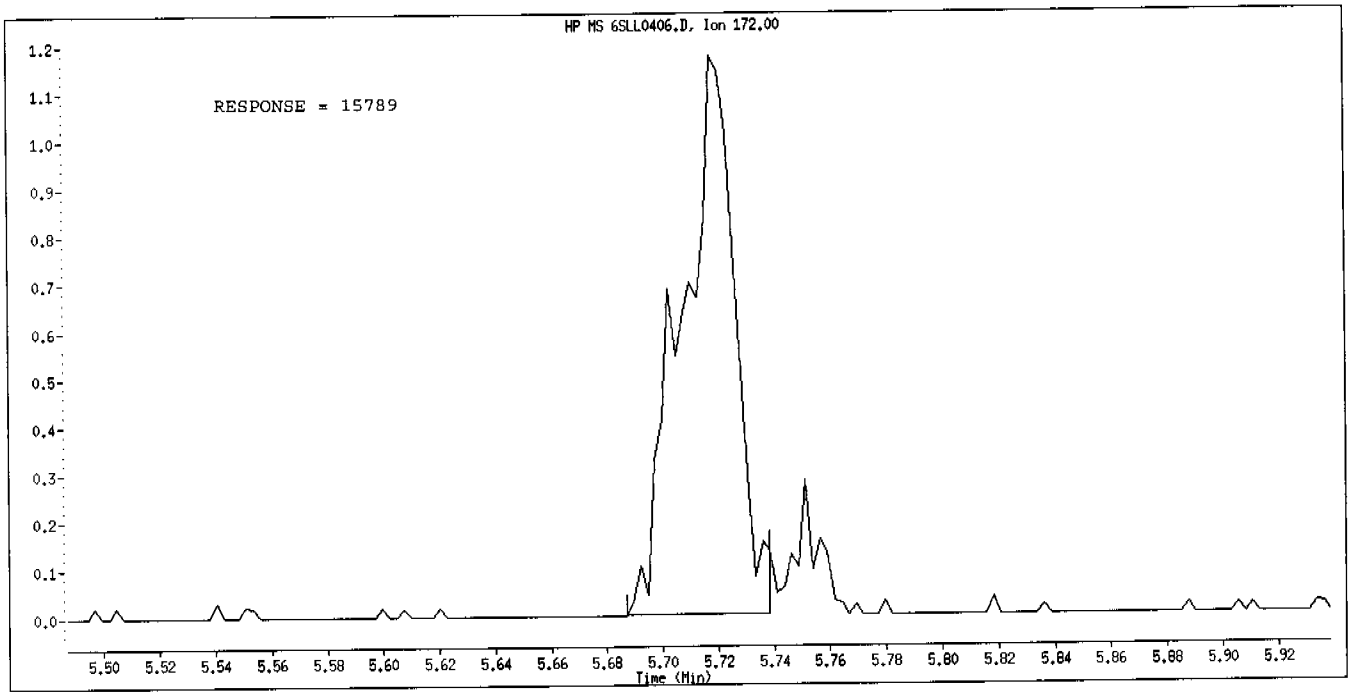
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: 2-Fluorobiphenyl
CAS #: 321-60-8
Report Date: 04/07/2004



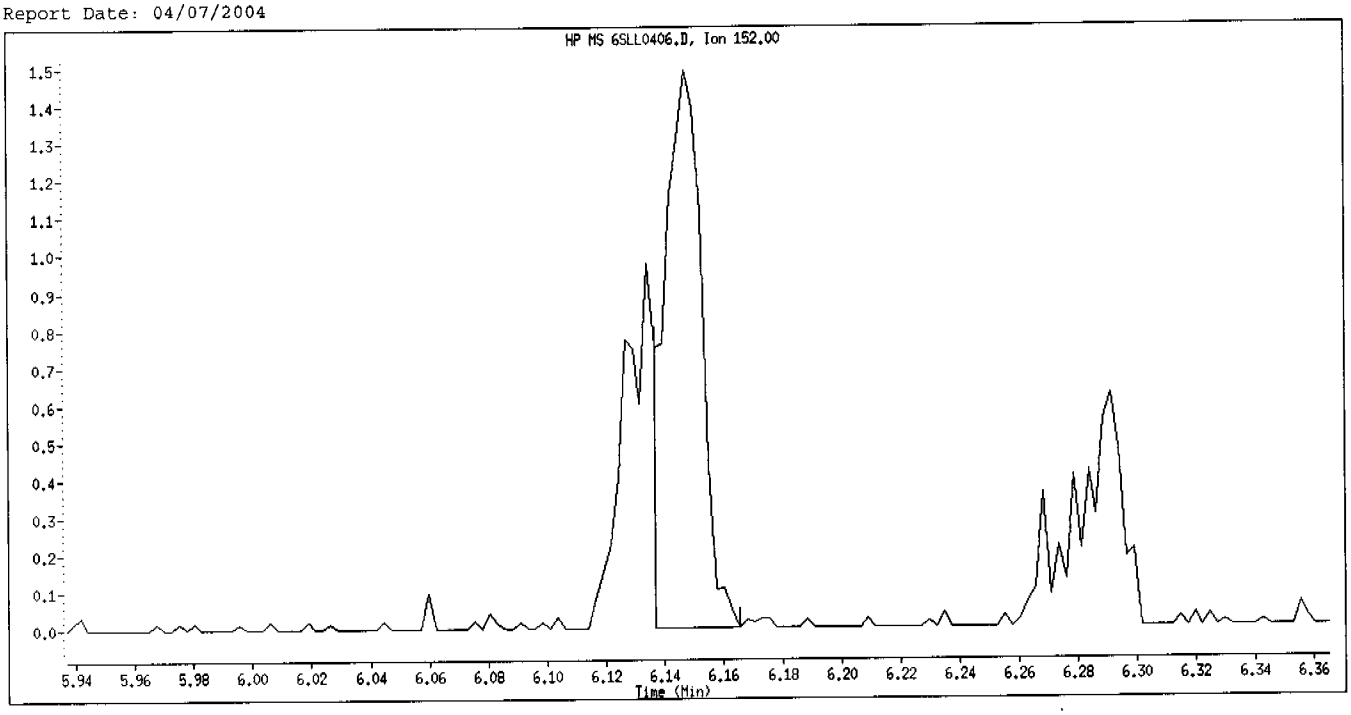
Original Integration



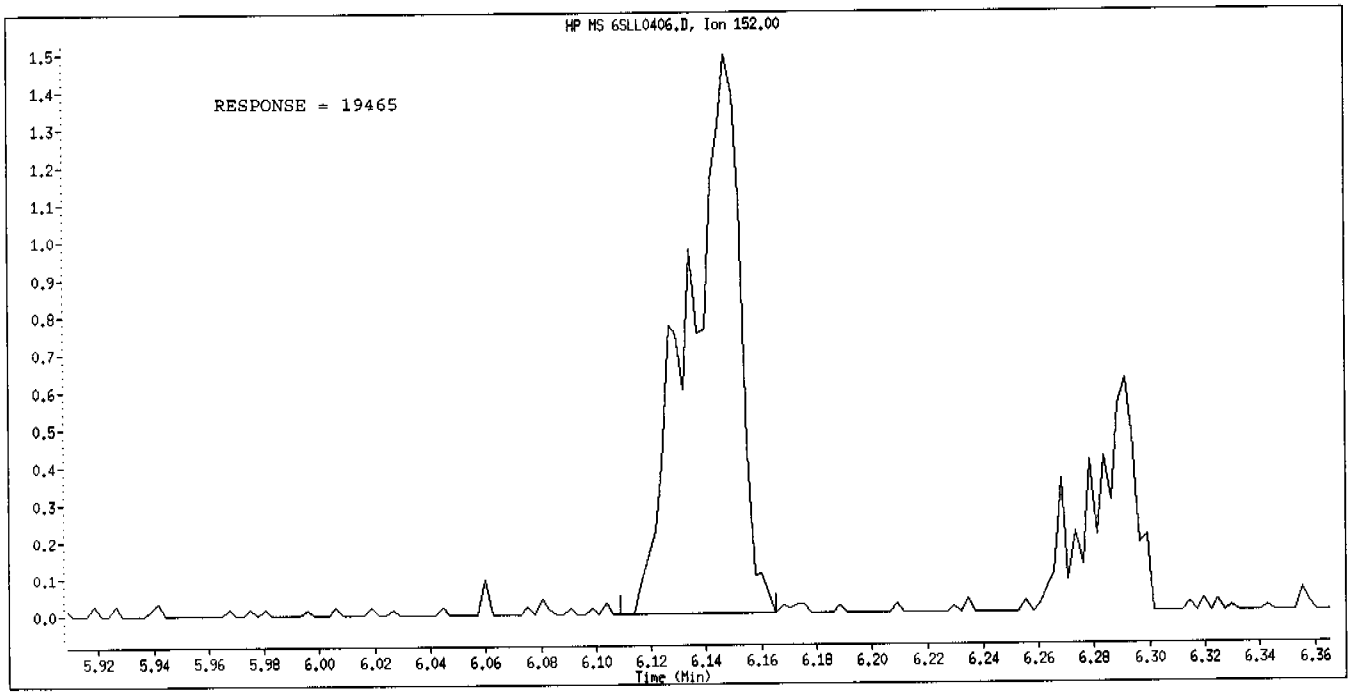
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Acenaphthylene
CAS #: 208-96-8
Report Date: 04/07/2004



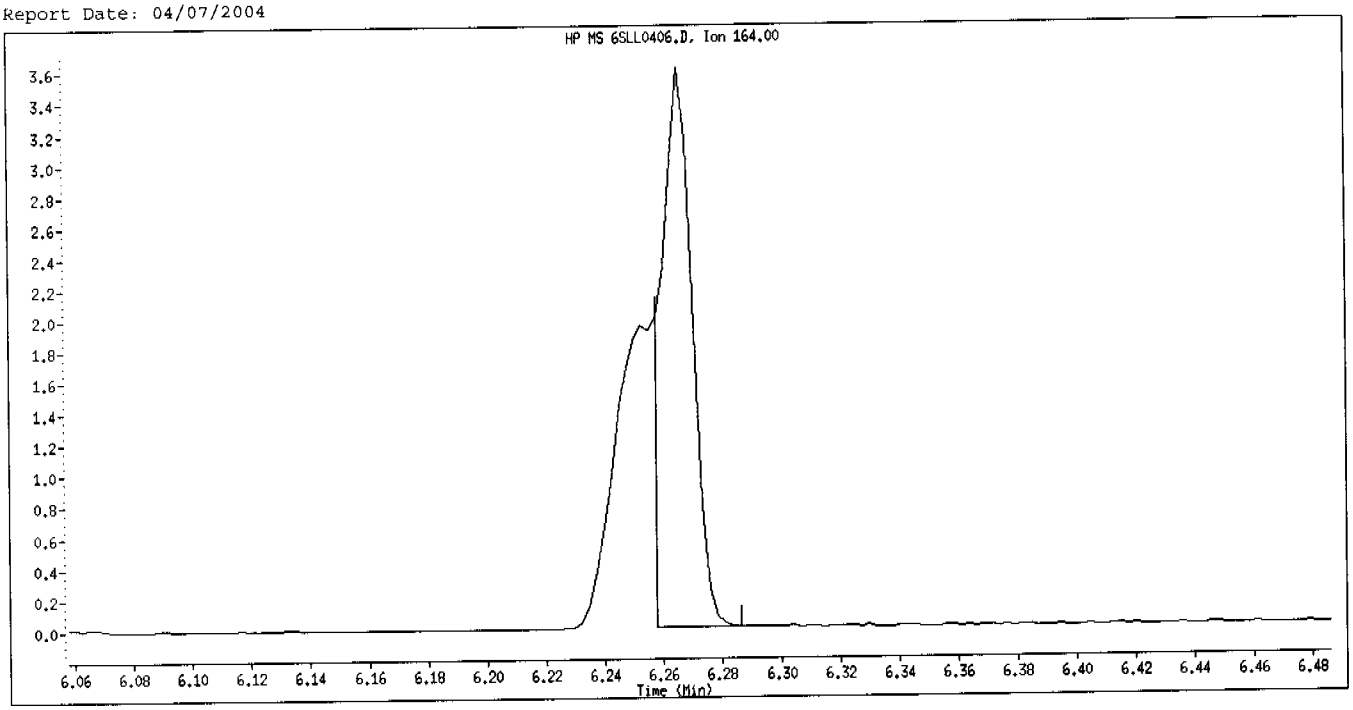
Original Integration



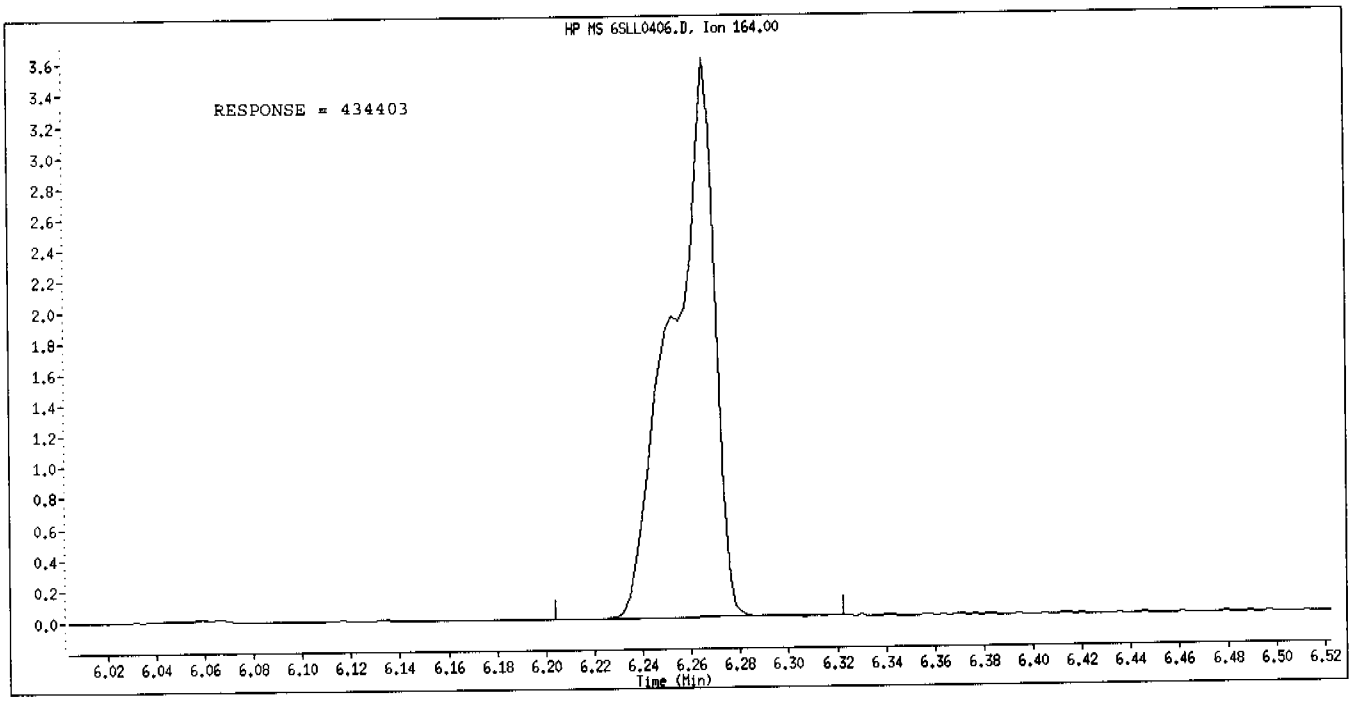
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Acenaphthene-d10
CAS #: 15067-26-2
Report Date: 04/07/2004



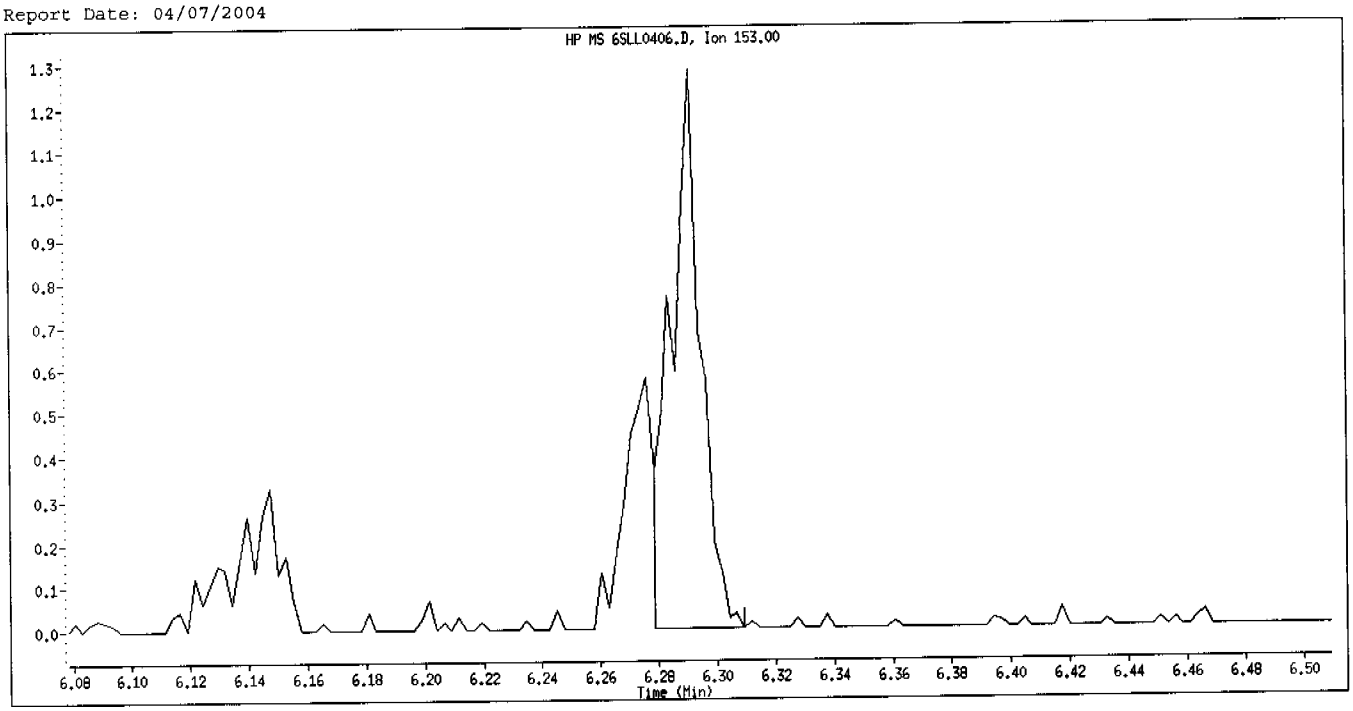
Original Integration



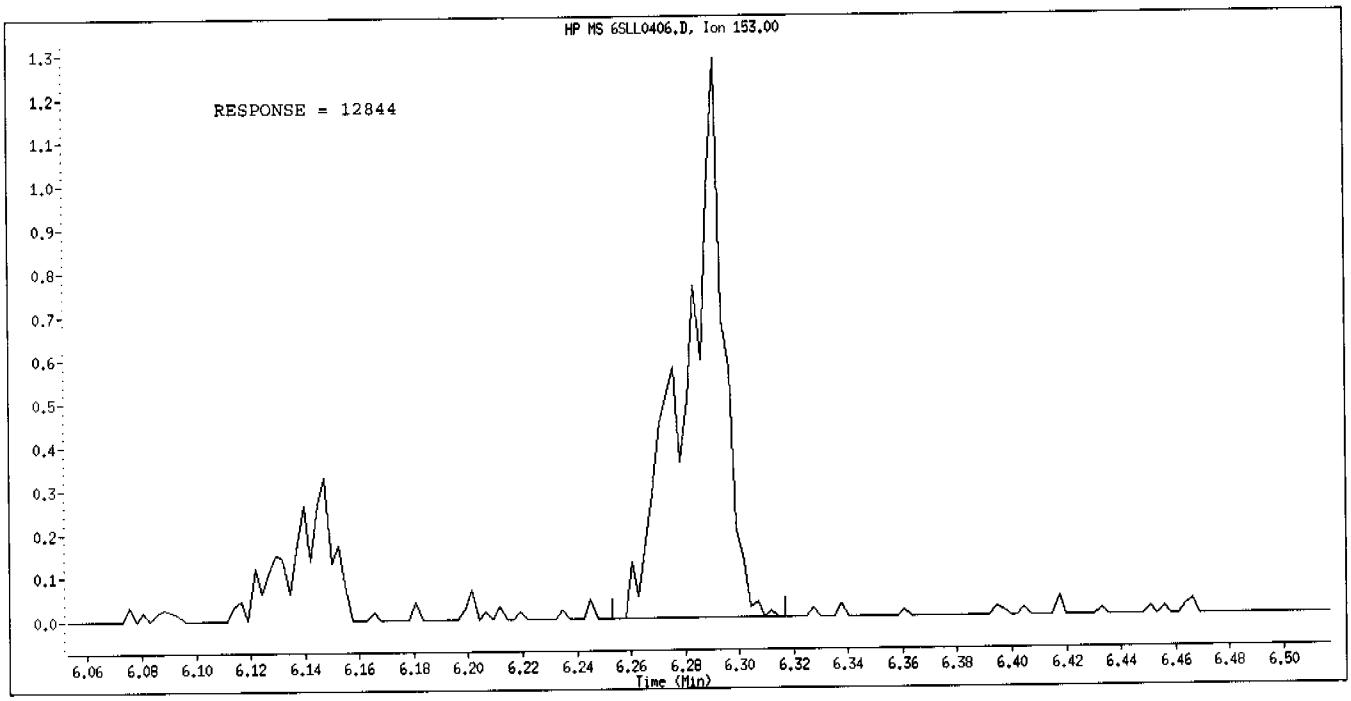
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Acenaphthene
CAS #: 83-32-9
Report Date: 04/07/2004



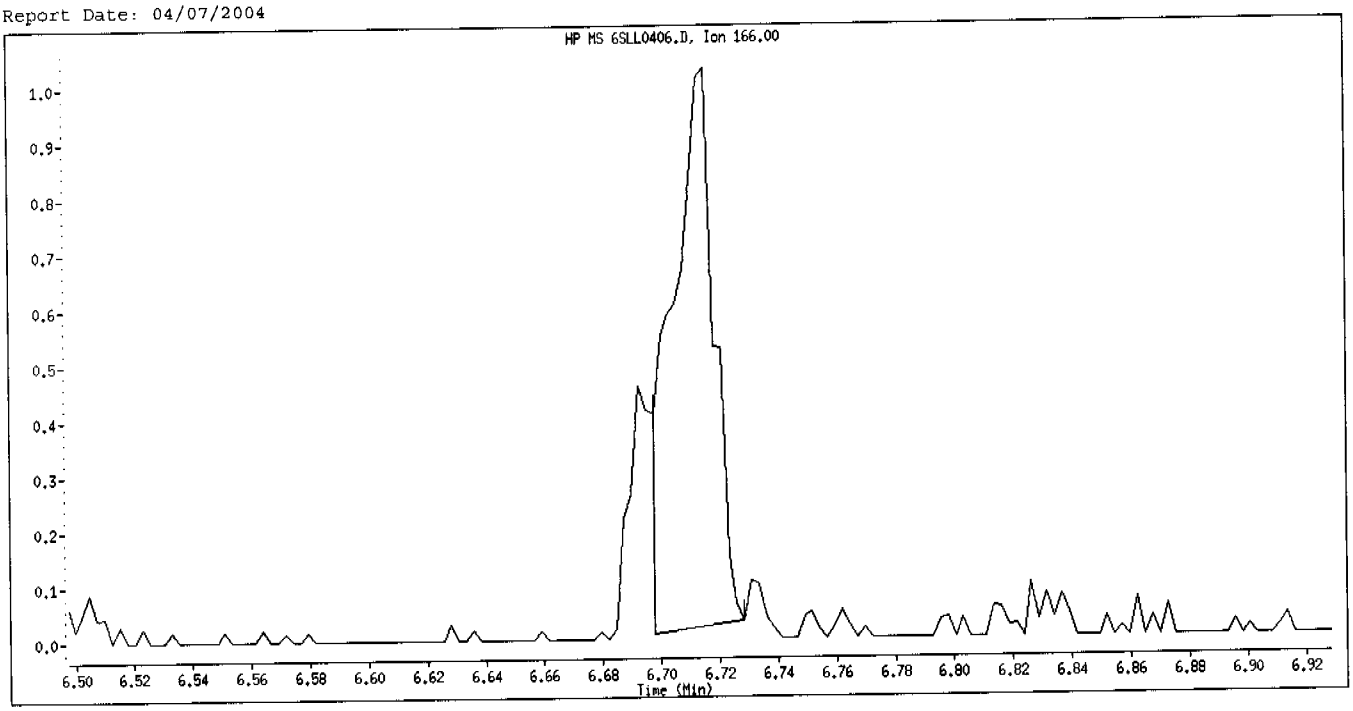
Original Integration



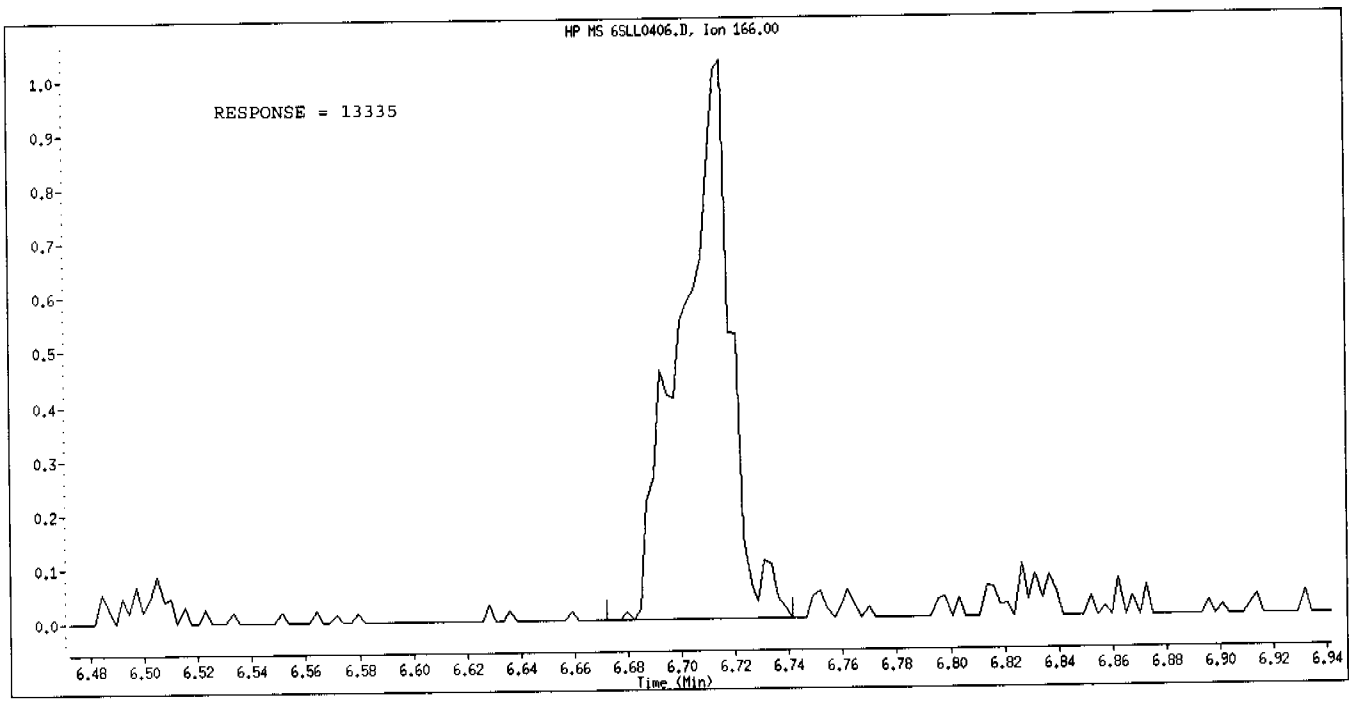
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Fluorene
CAS #: 86-73-7
Report Date: 04/07/2004



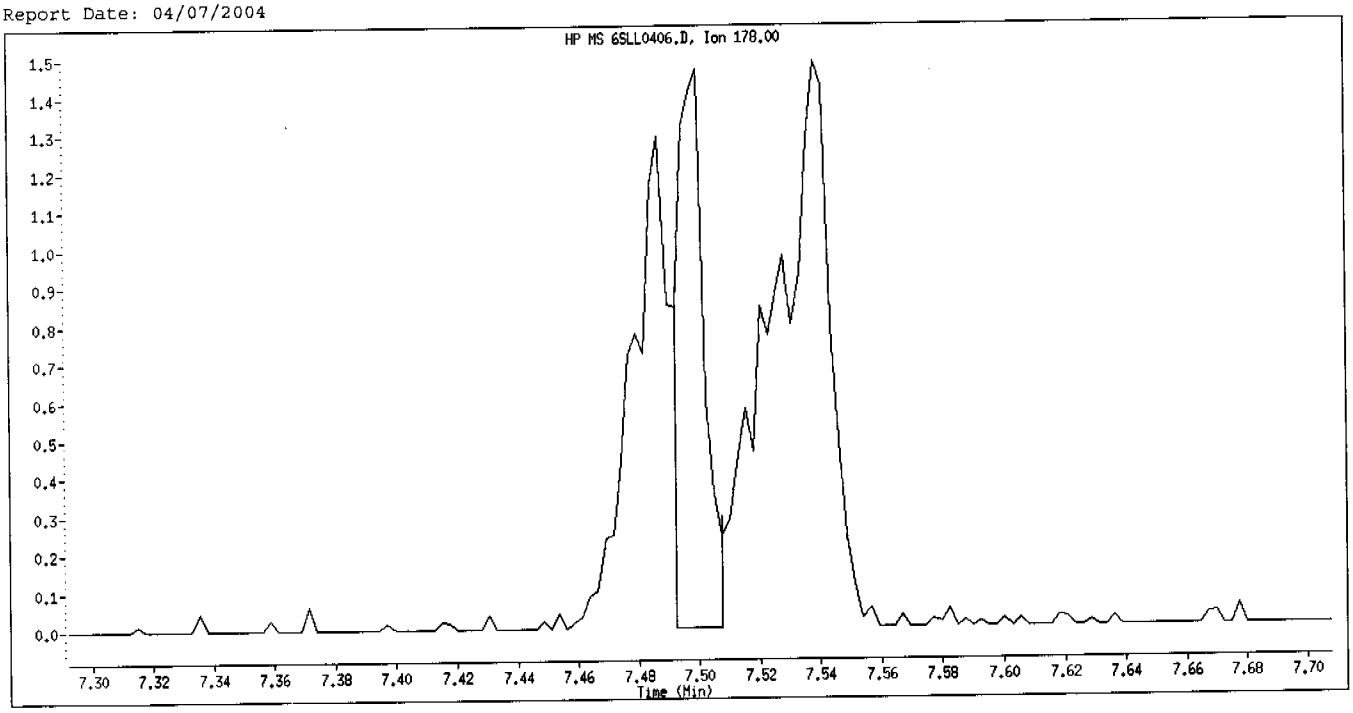
Original Integration



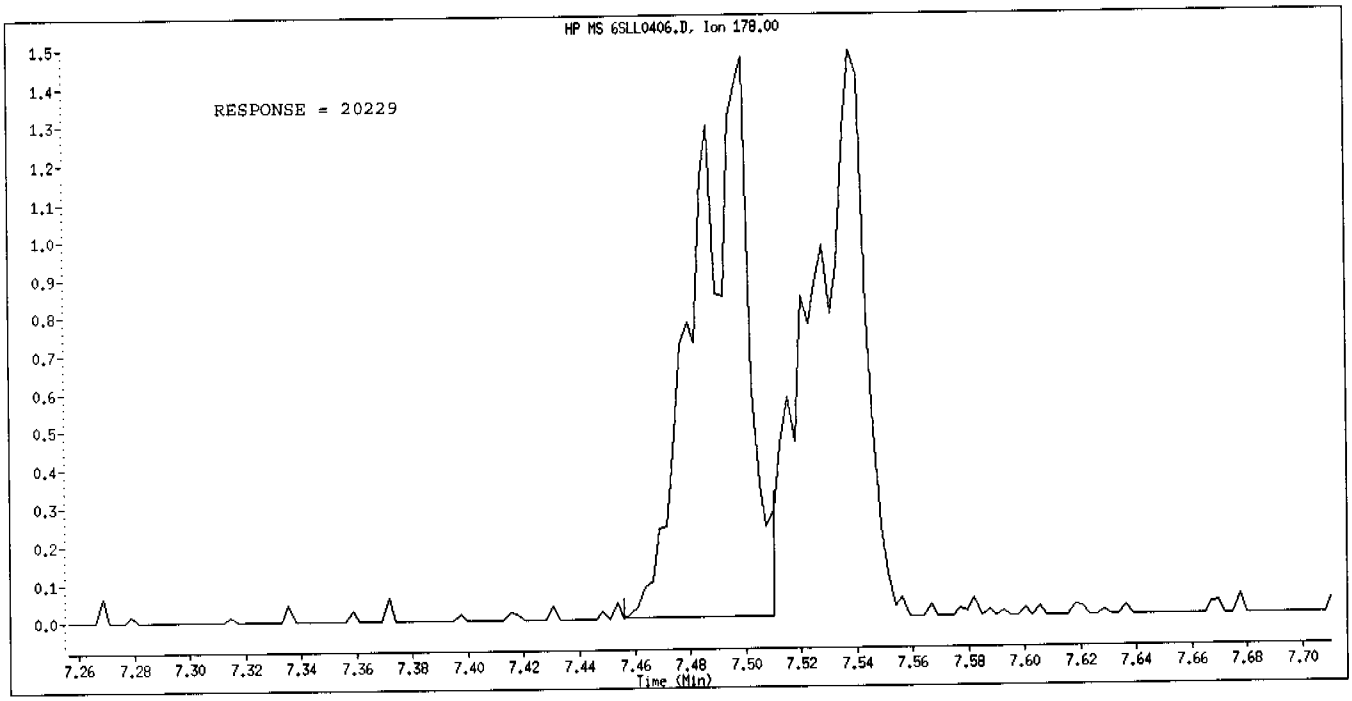
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Phenanthrene
CAS #: 85-01-8
Report Date: 04/07/2004



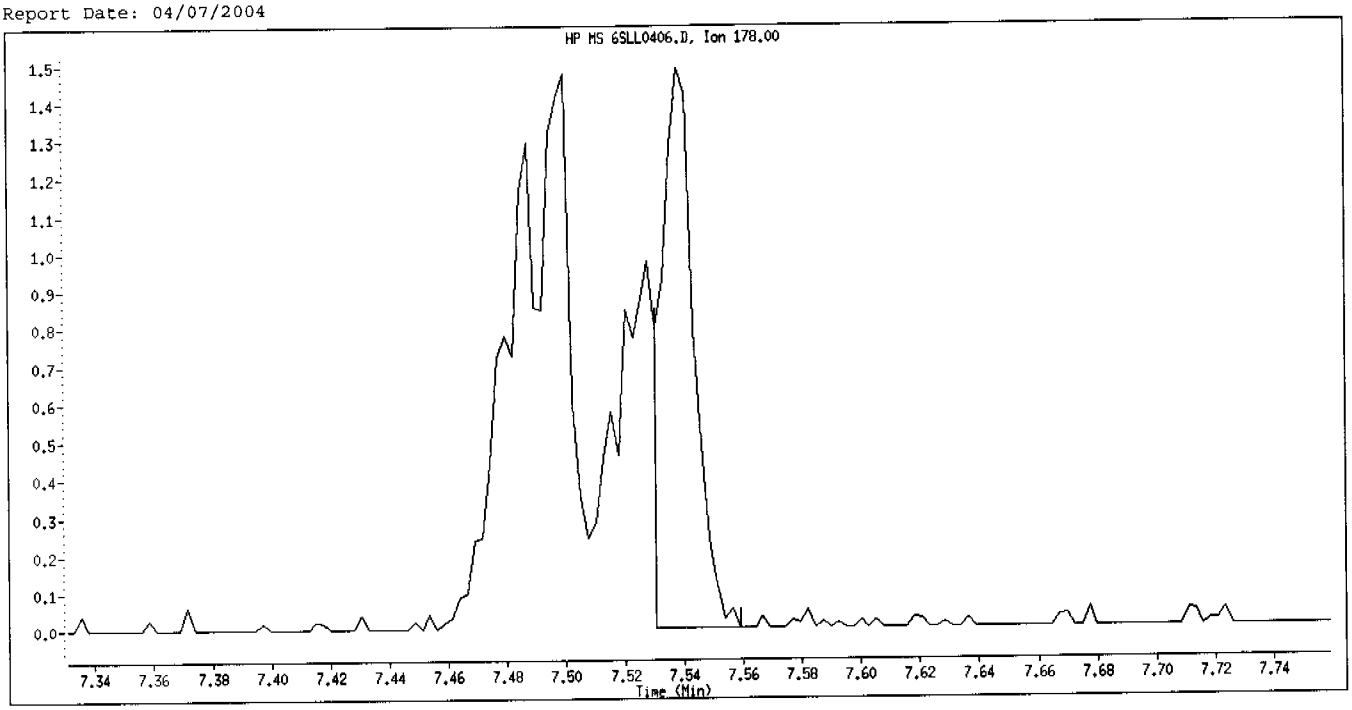
Original Integration



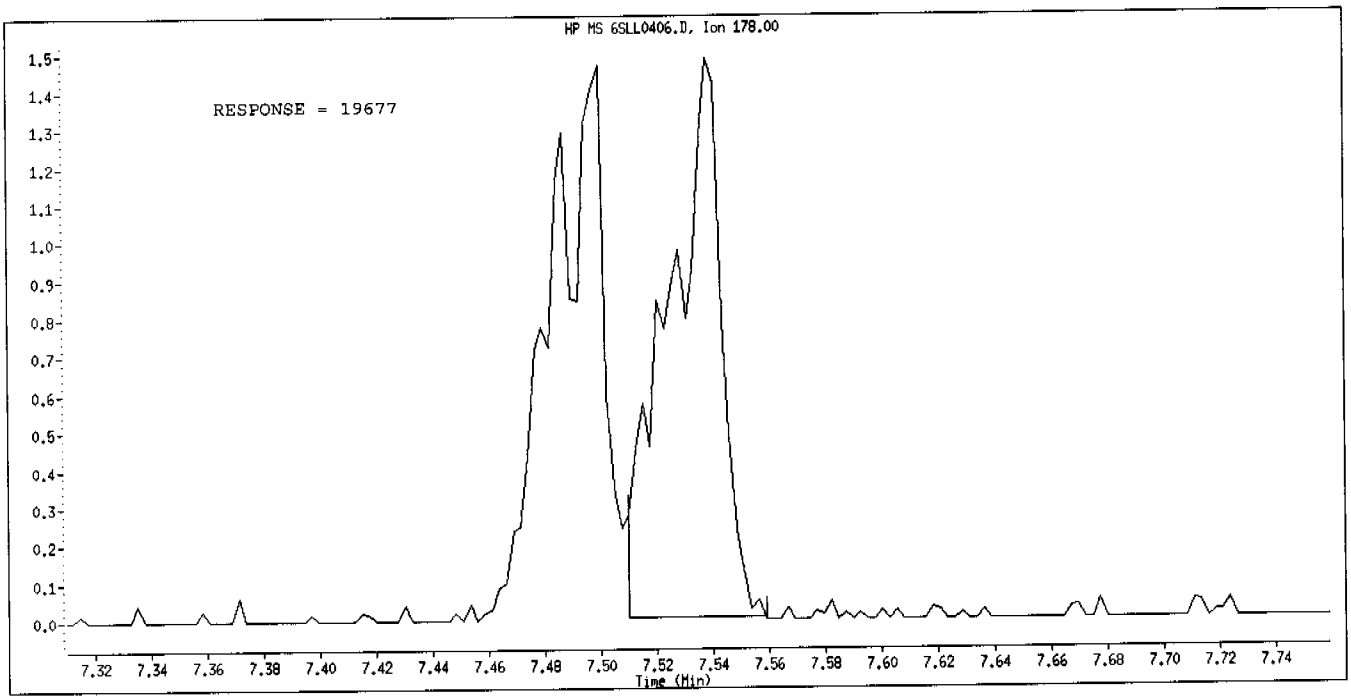
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Anthracene
CAS #: 120-12-7
Report Date: 04/07/2004



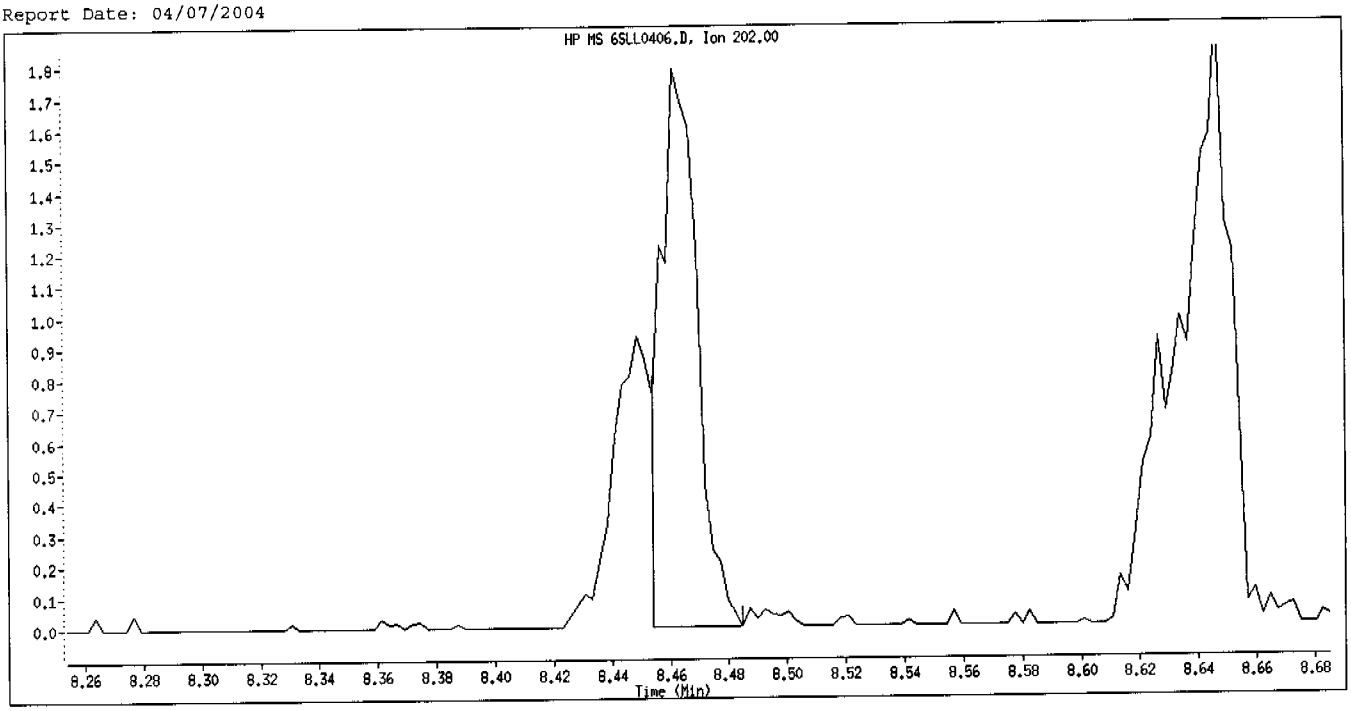
Original Integration



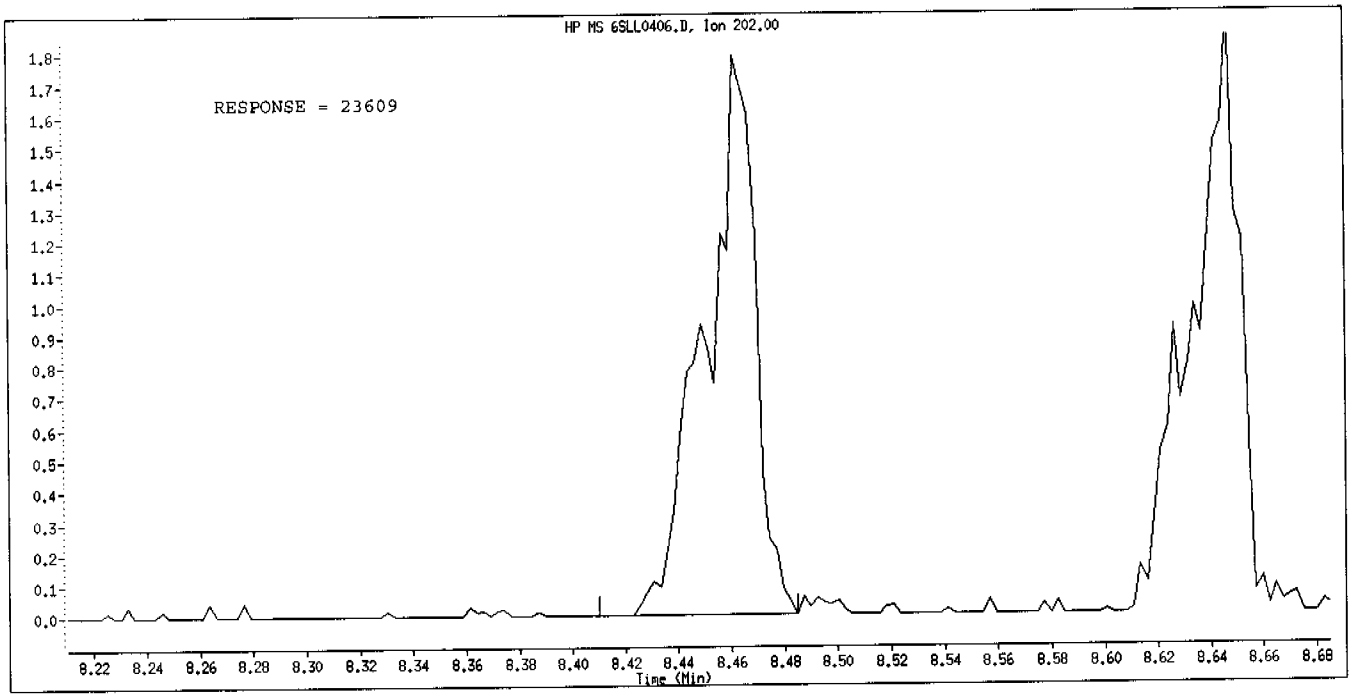
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Fluoranthene
CAS #: 206-44-0
Report Date: 04/07/2004



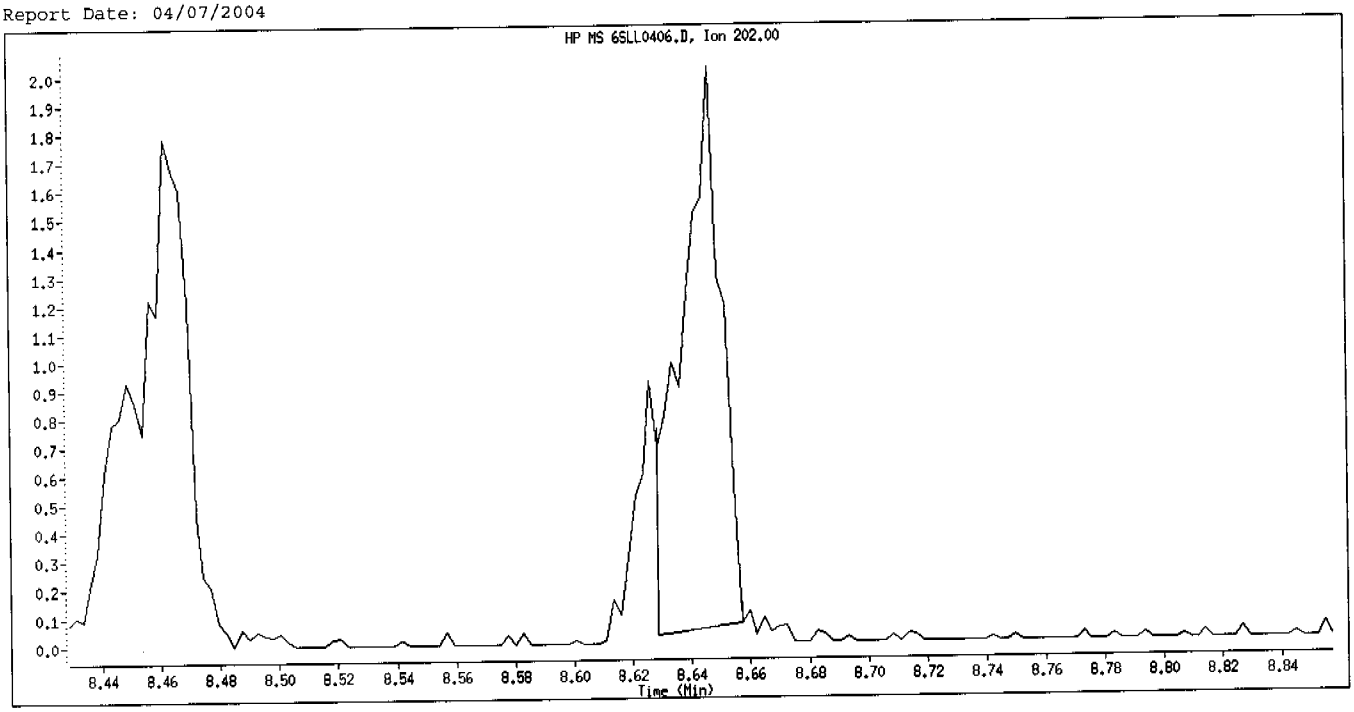
Original Integration



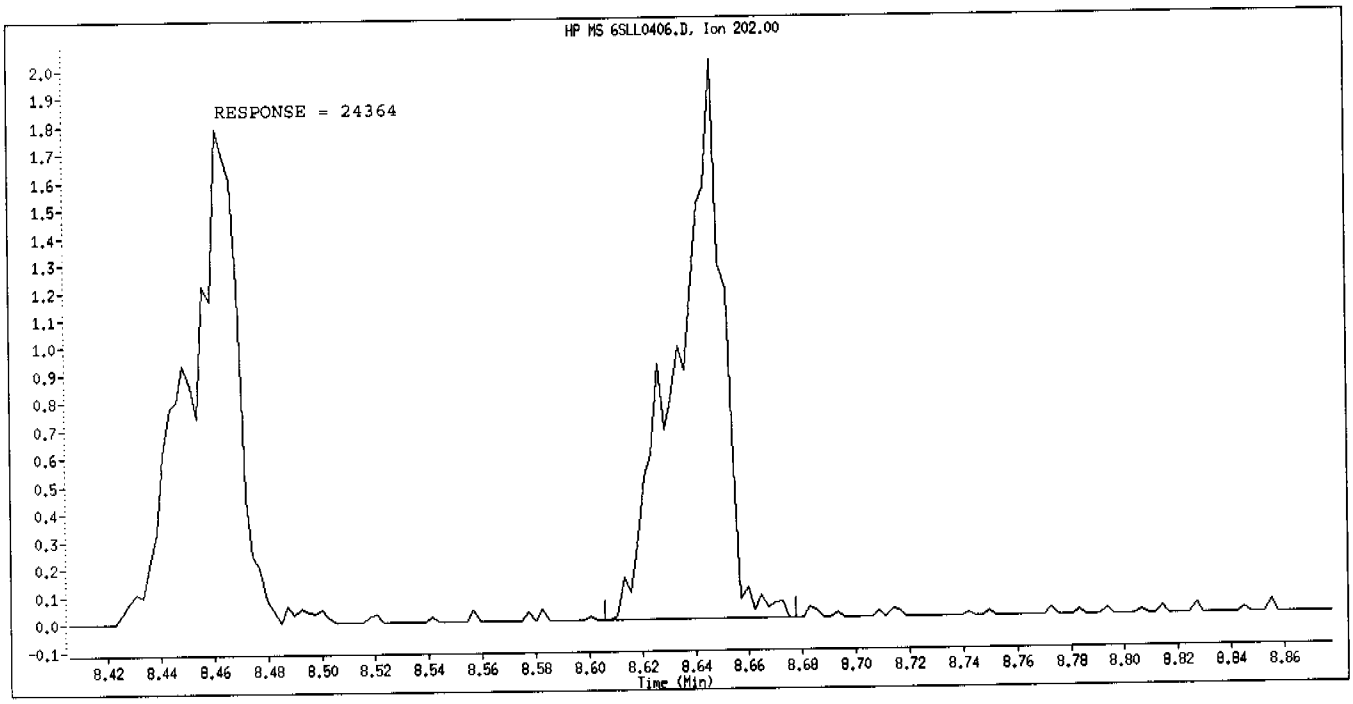
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Pyrene
CAS #: 129-00-0
Report Date: 04/07/2004



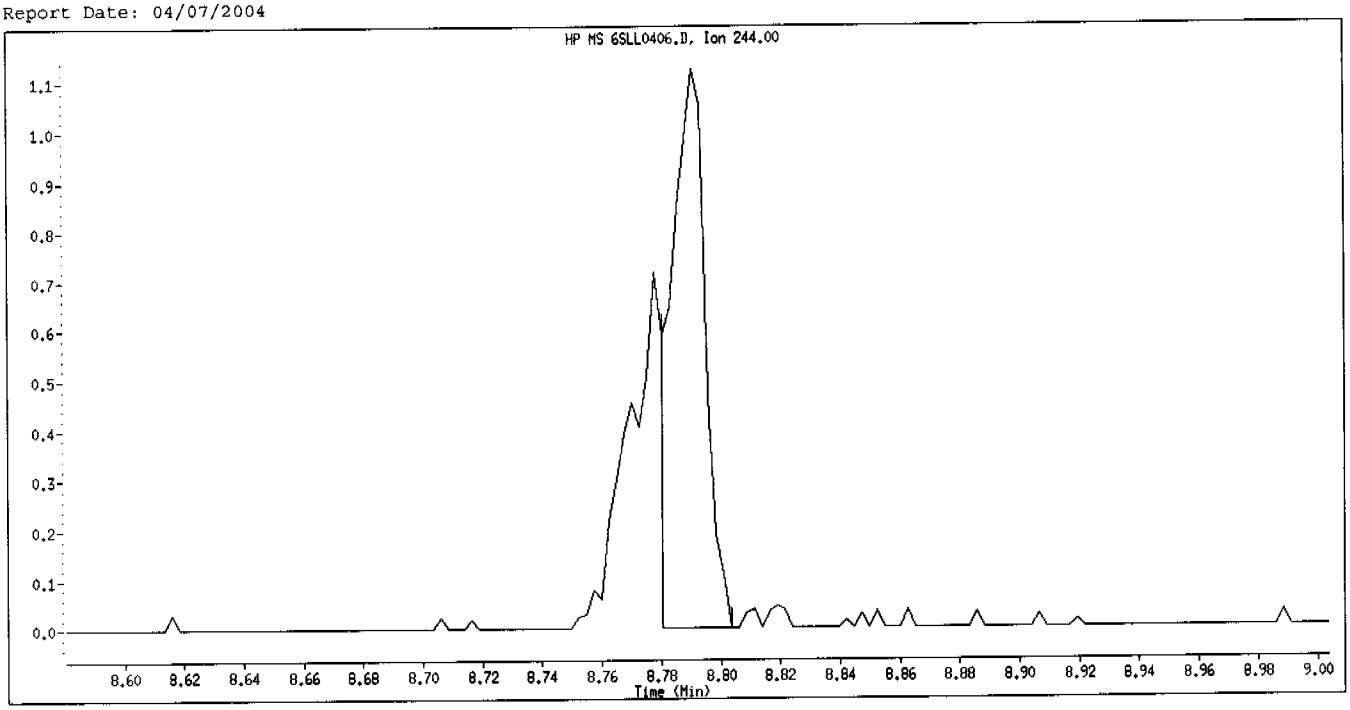
Original Integration



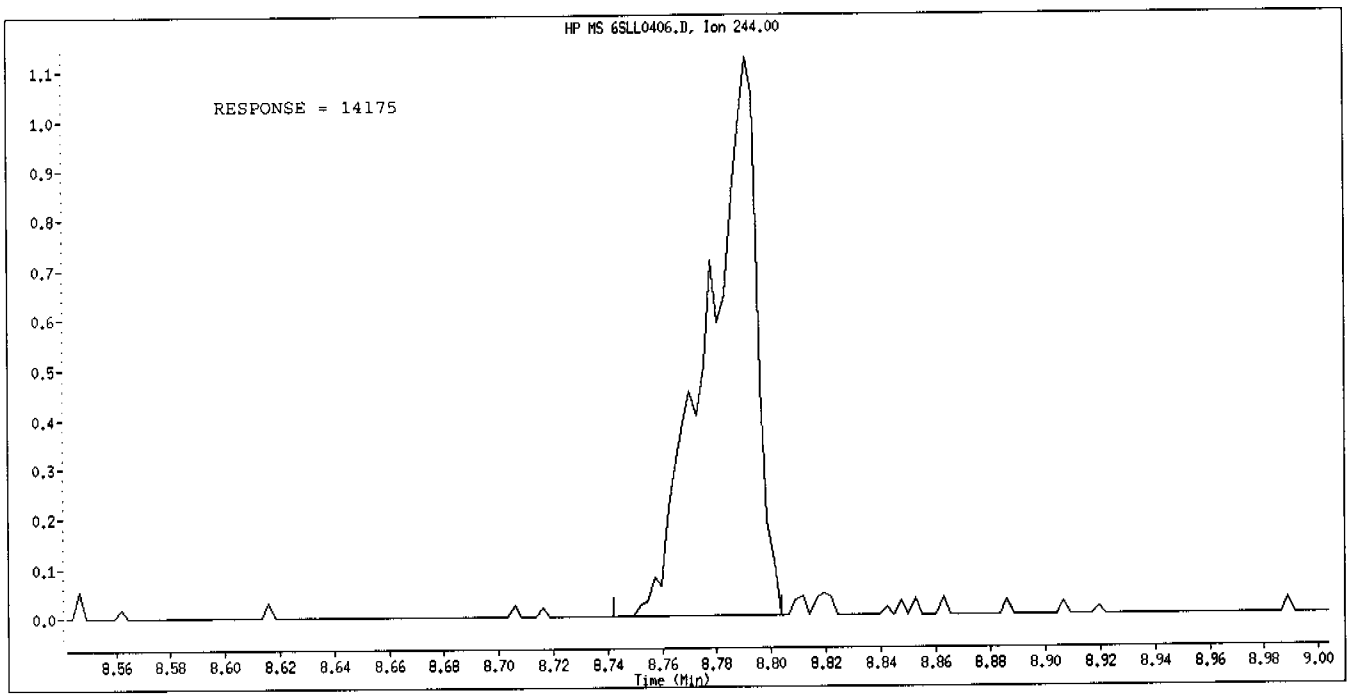
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Terphenyl-d14
CAS #: 1718-51-0
Report Date: 04/07/2004



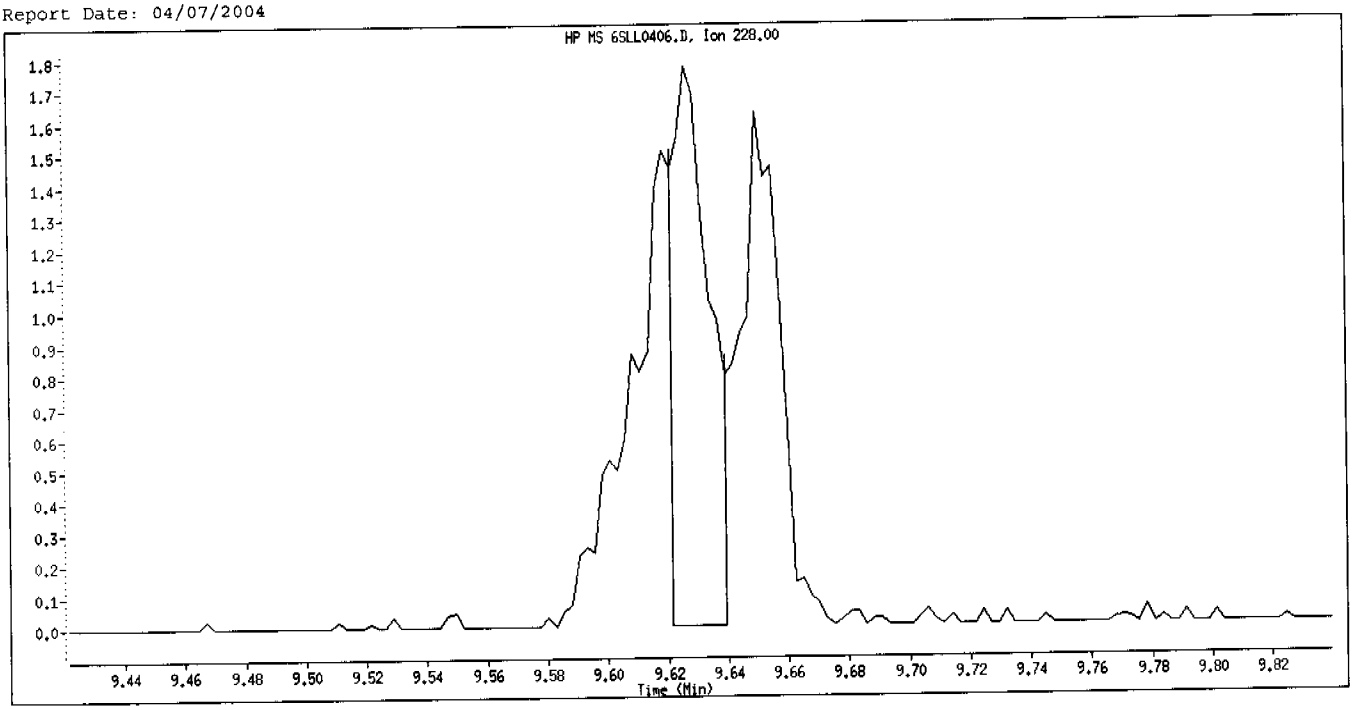
Original Integration



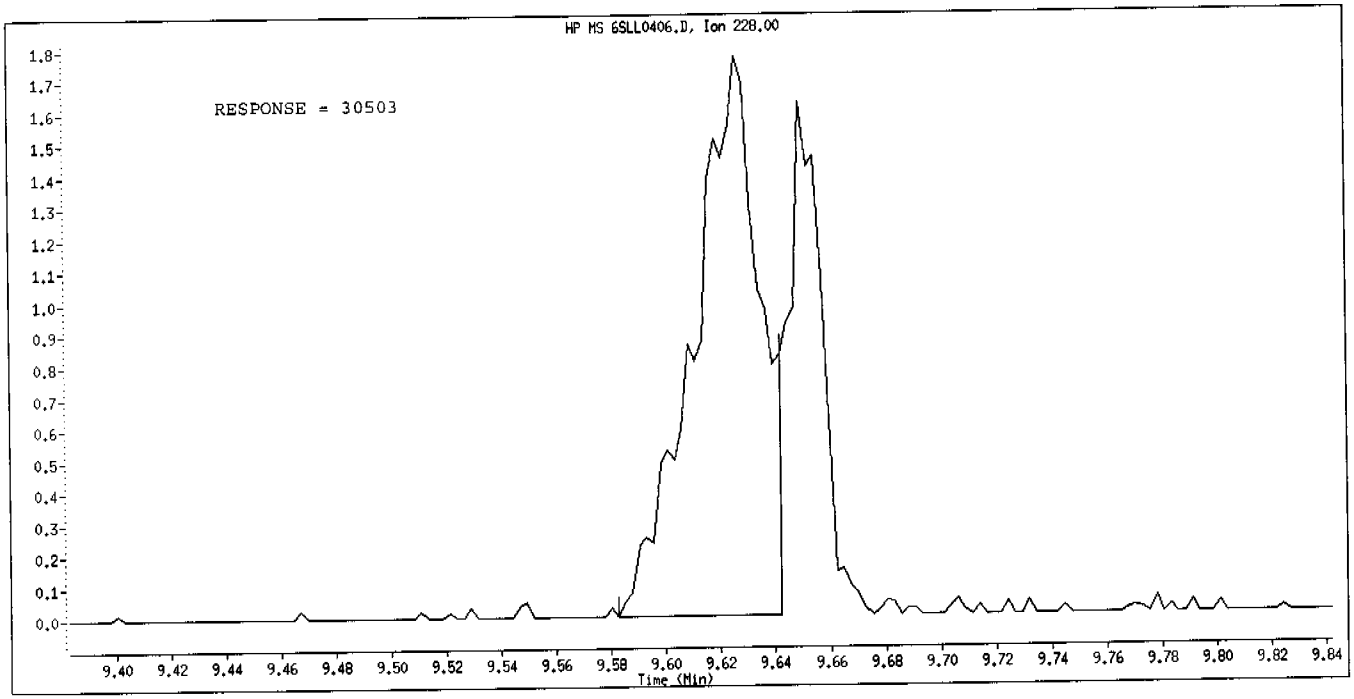
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzo(a)Anthracene
CAS #: 56-55-3
Report Date: 04/07/2004



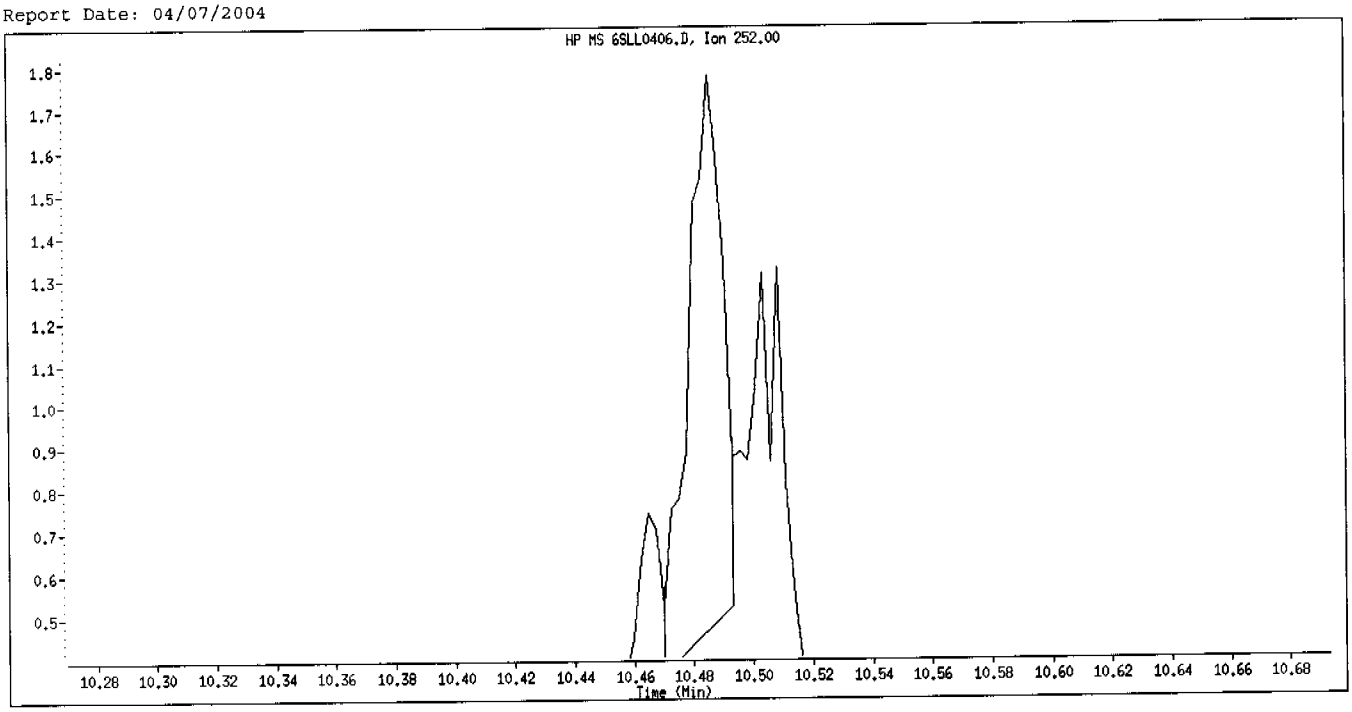
Original Integration



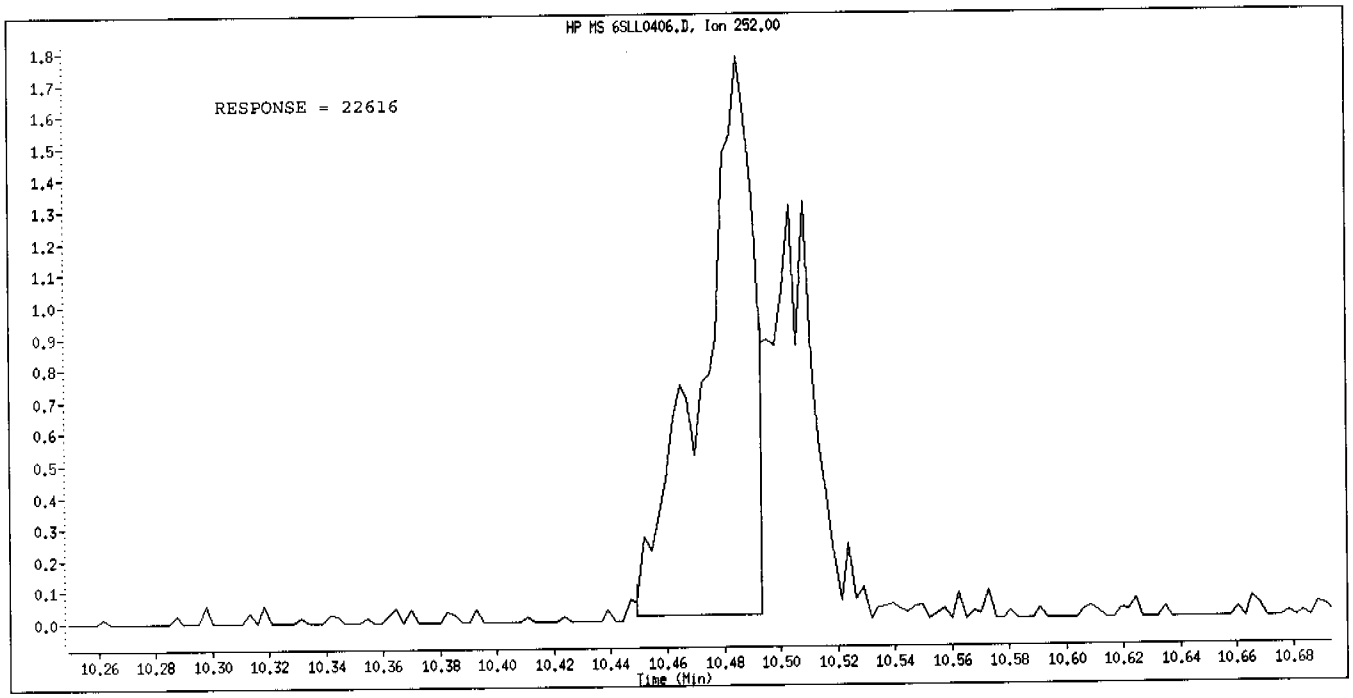
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/07/2004



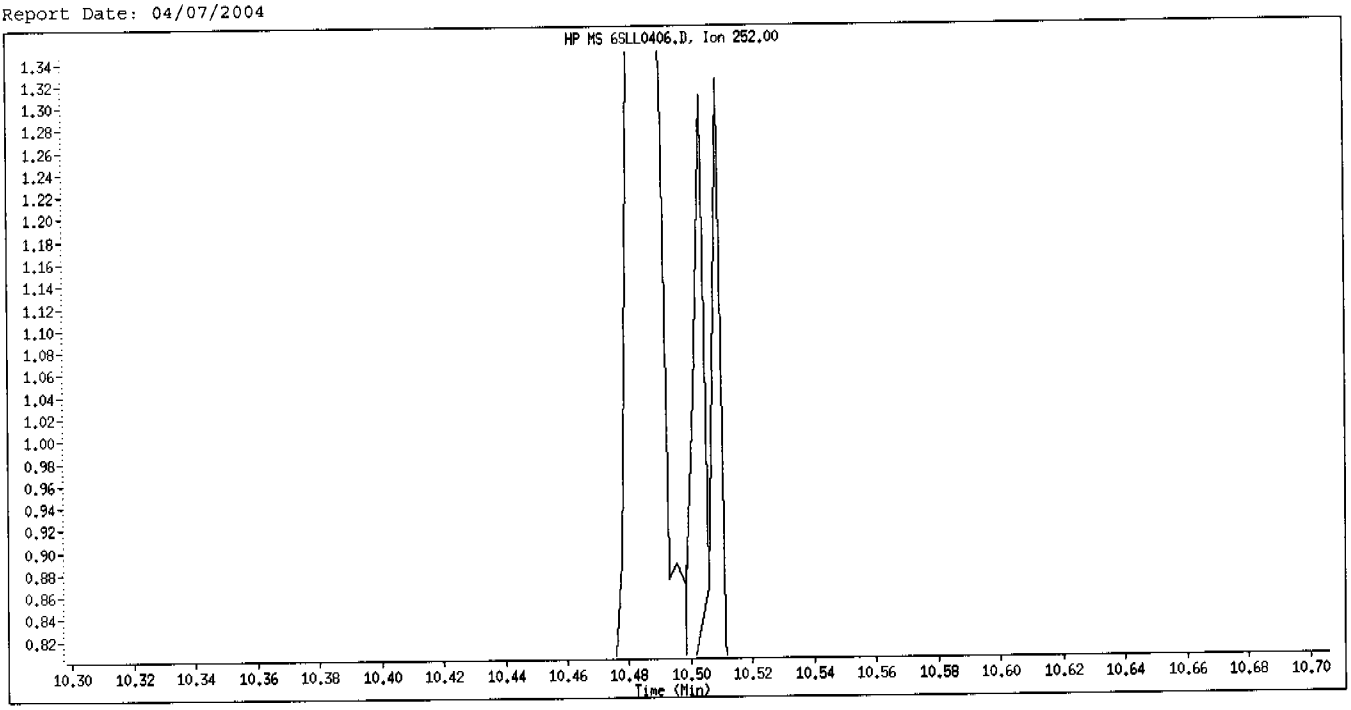
Original Integration



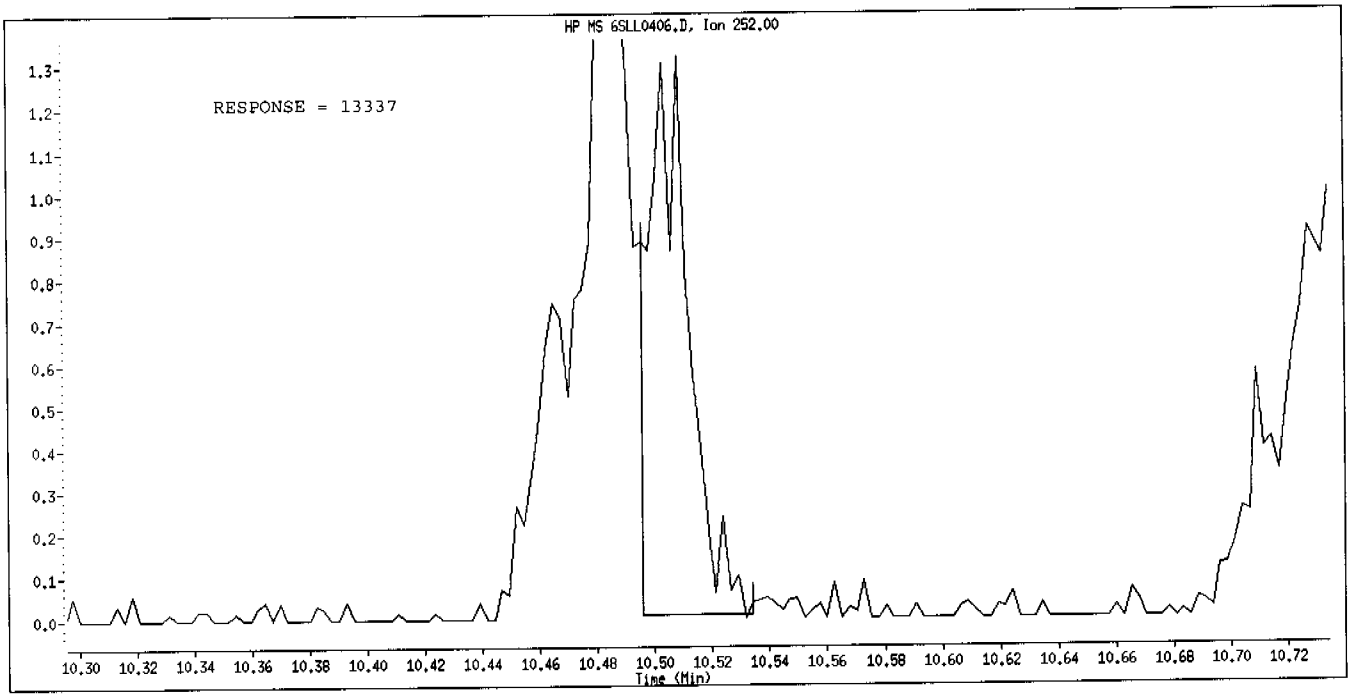
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/07/2004



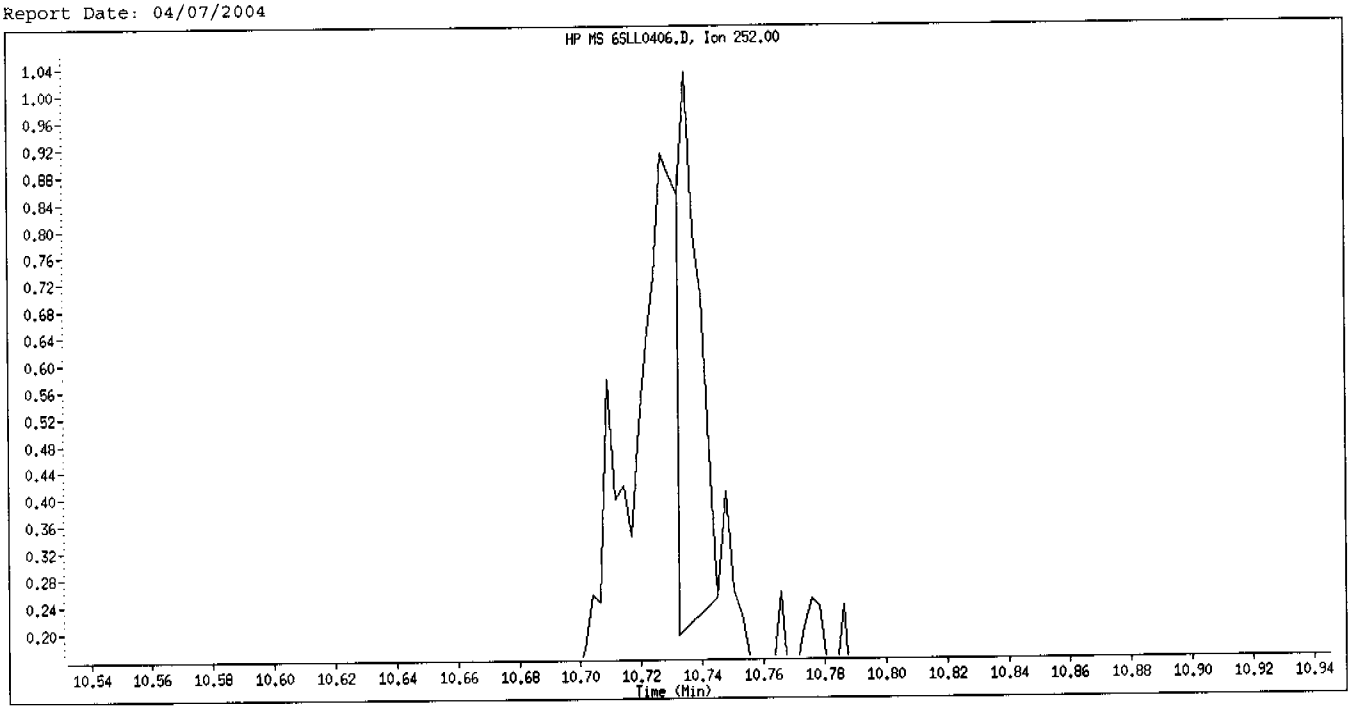
Original Integration



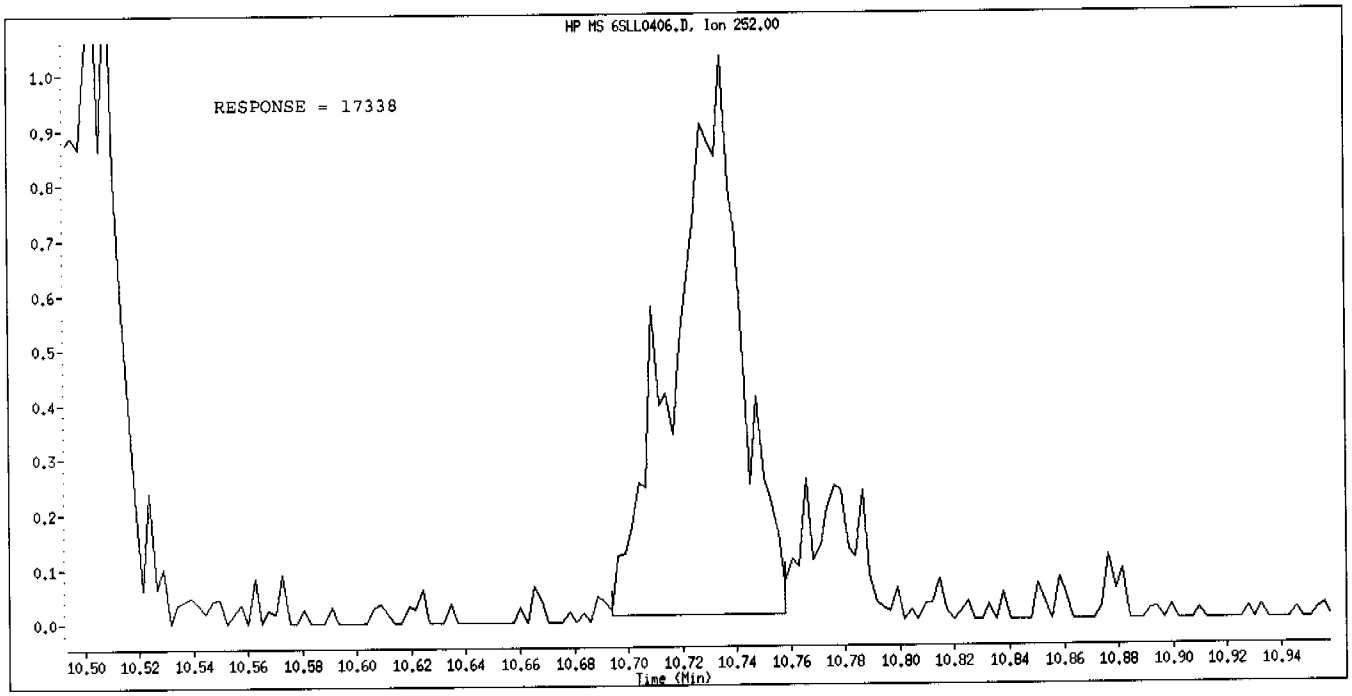
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 04/07/2004



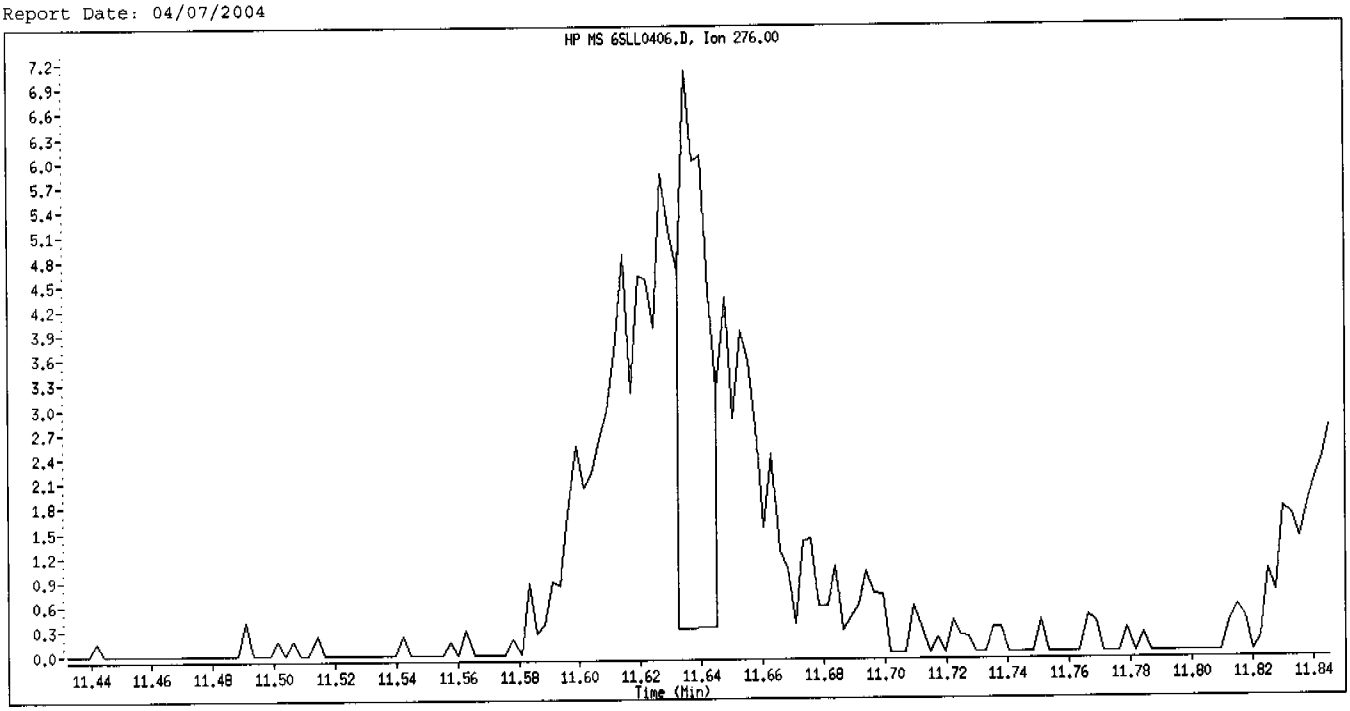
Original Integration



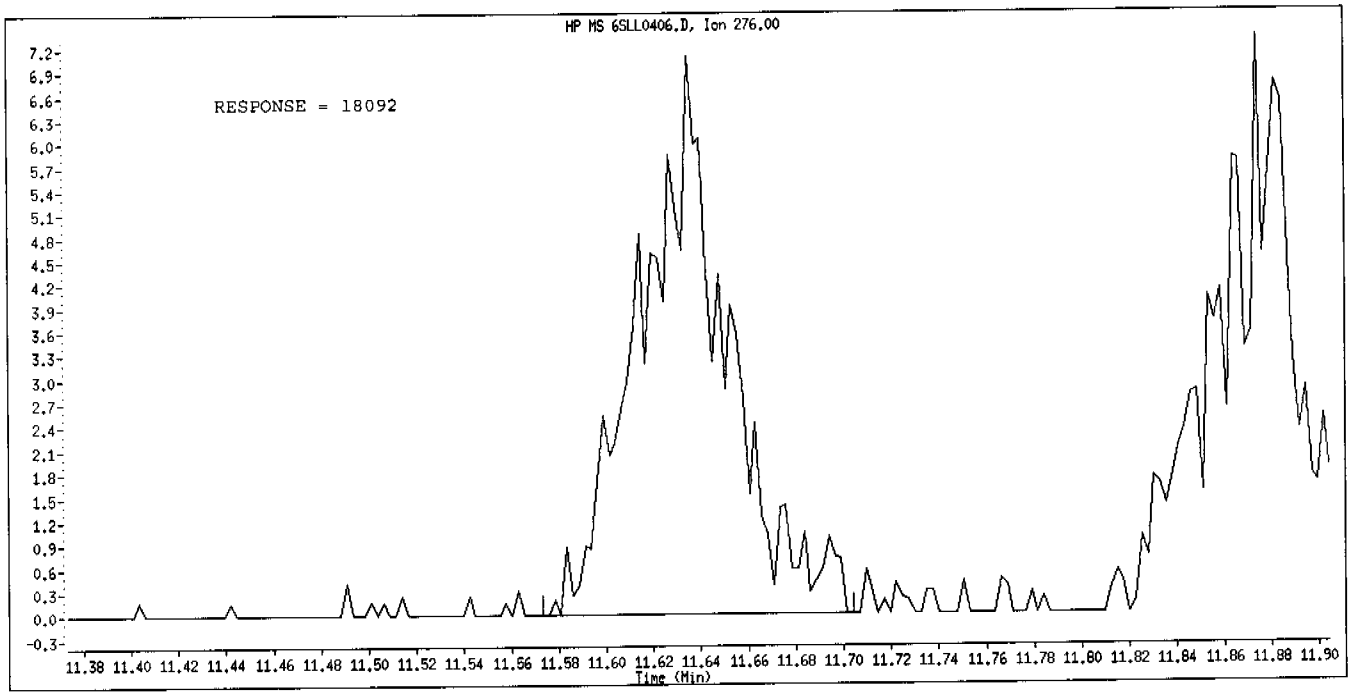
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/07/2004



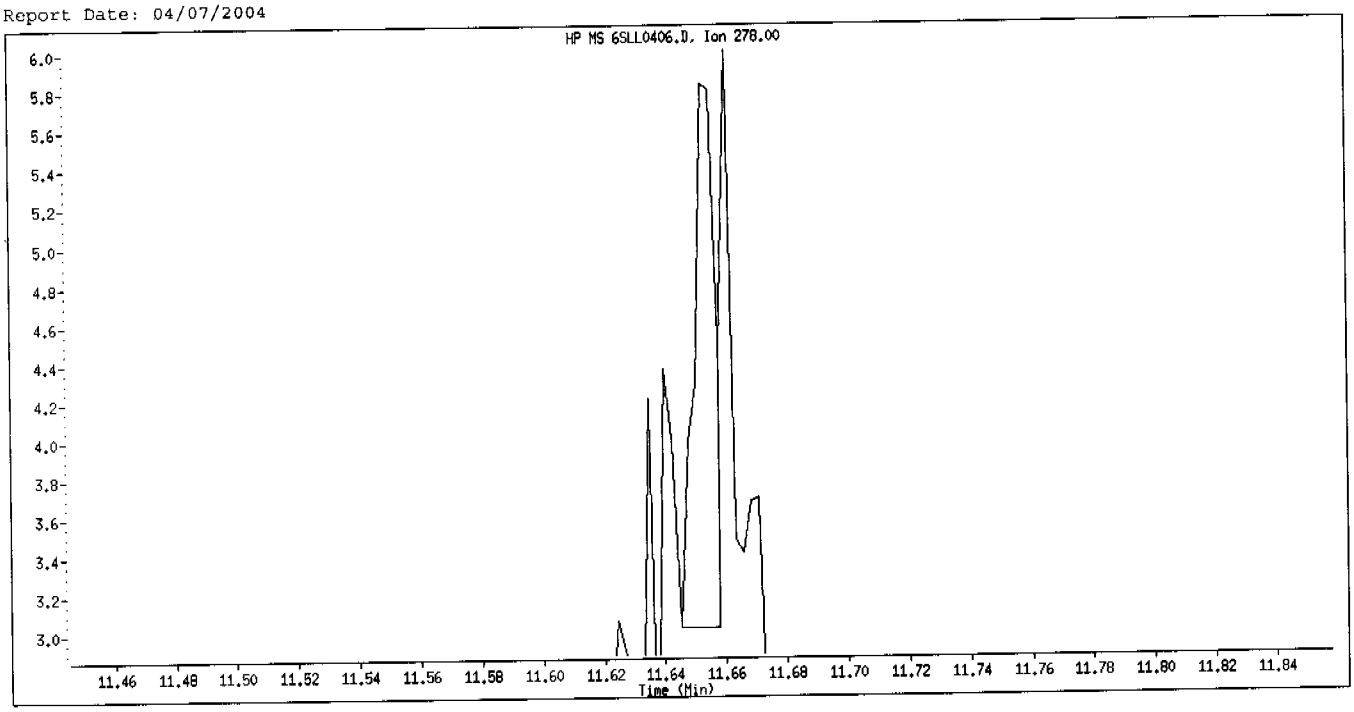
Original Integration



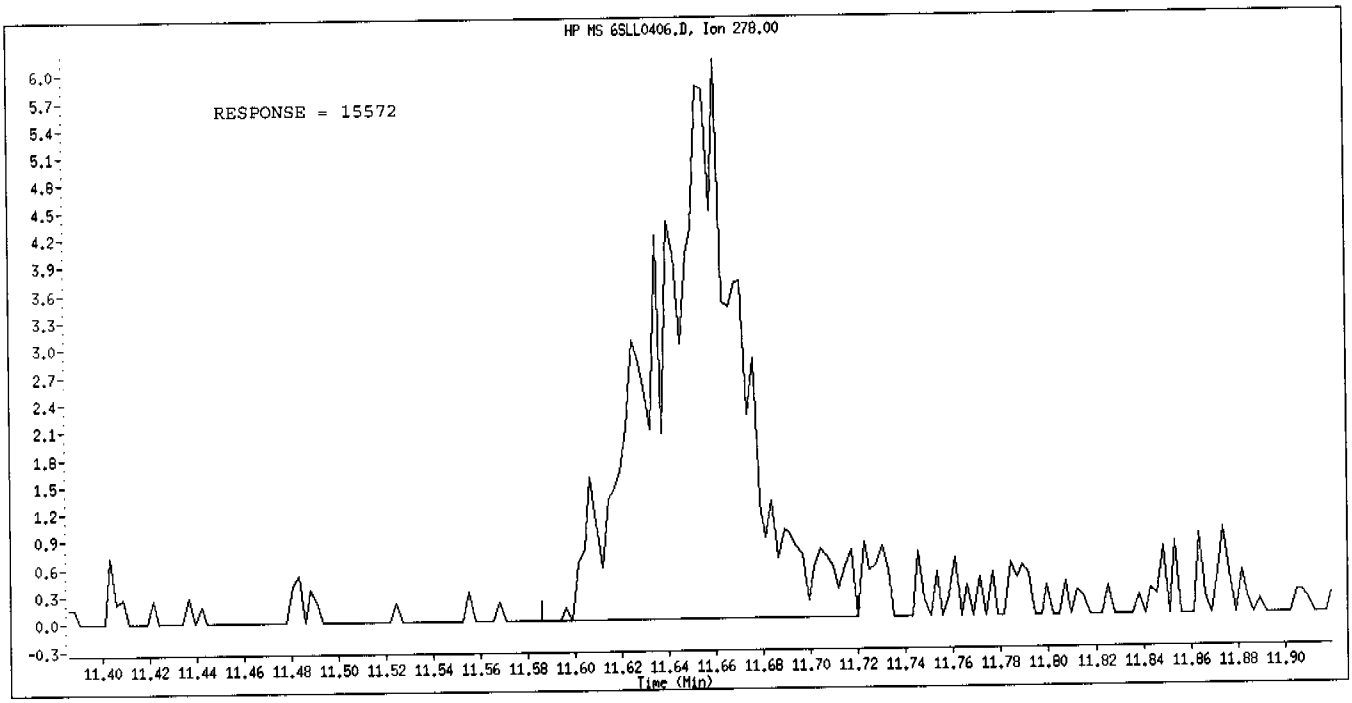
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/07/2004



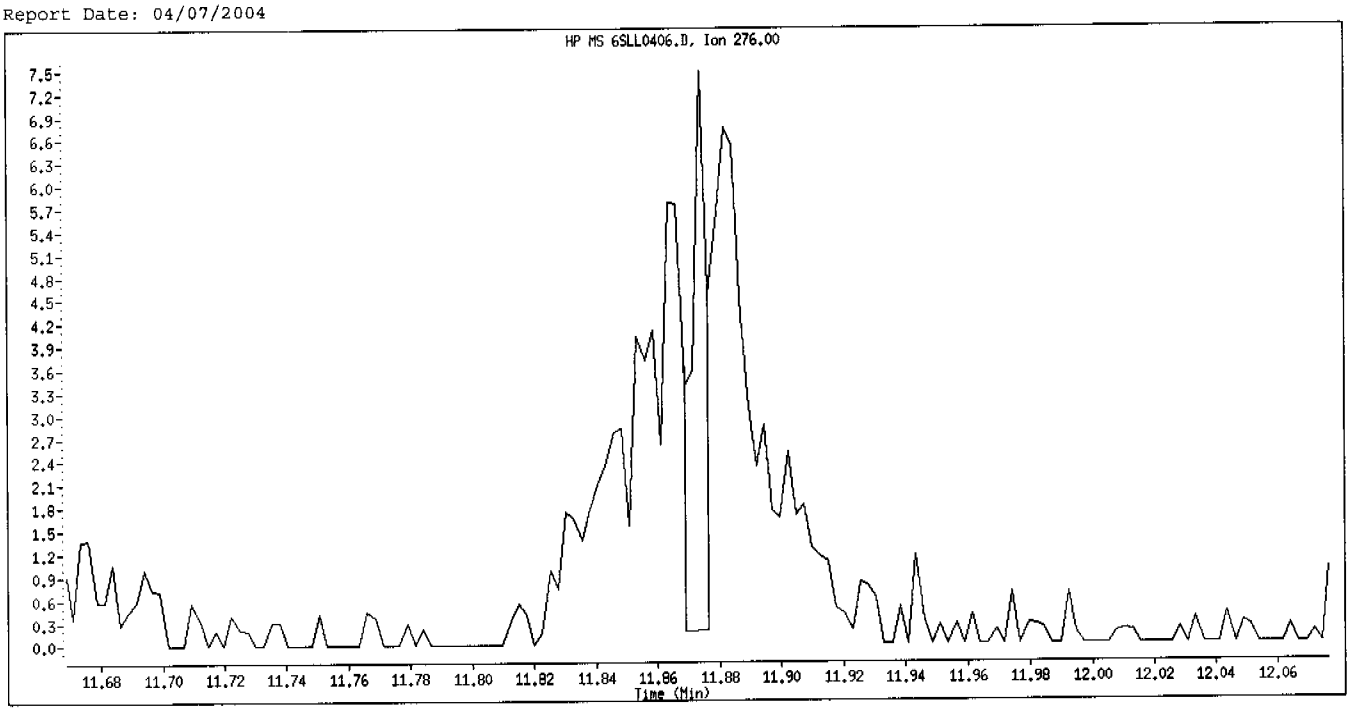
Original Integration



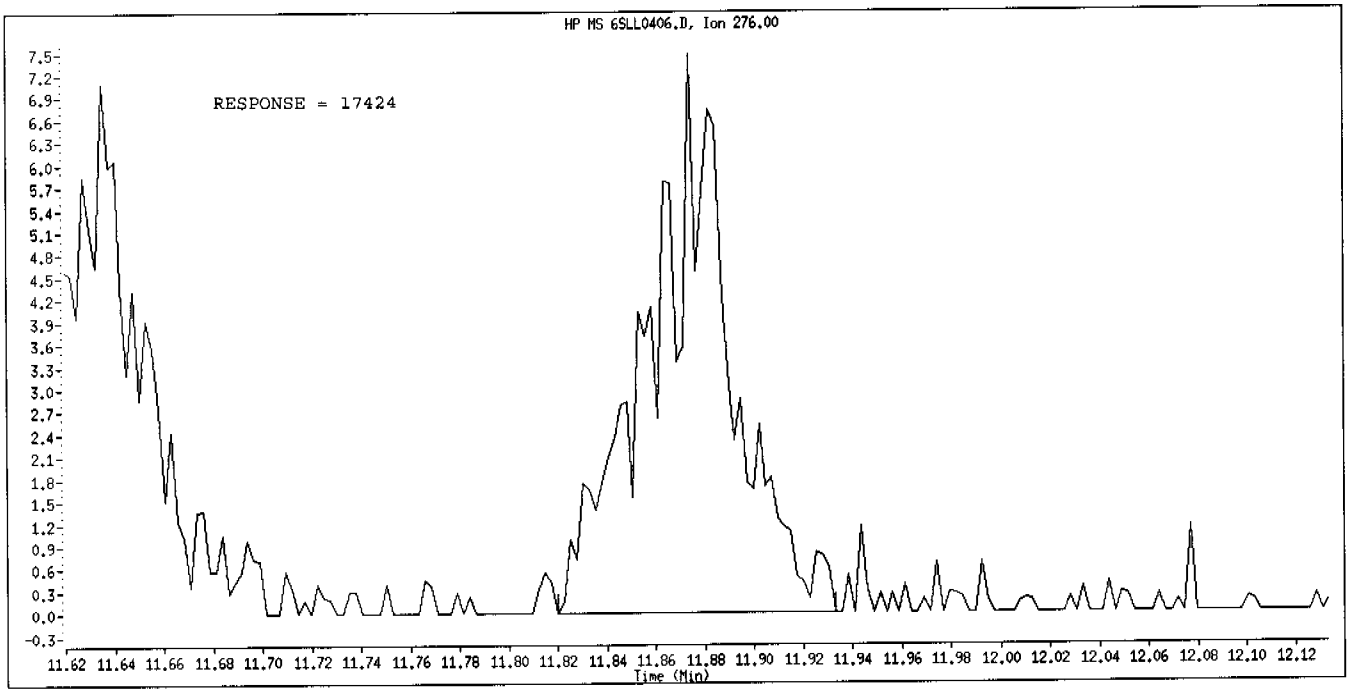
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SLL0406.D
Inj. Date and Time: 06-APR-2004 16:11
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzo(g,h,i)perylene
CAS #: 191 24-2
Report Date: 04/07/2004



Original Integration

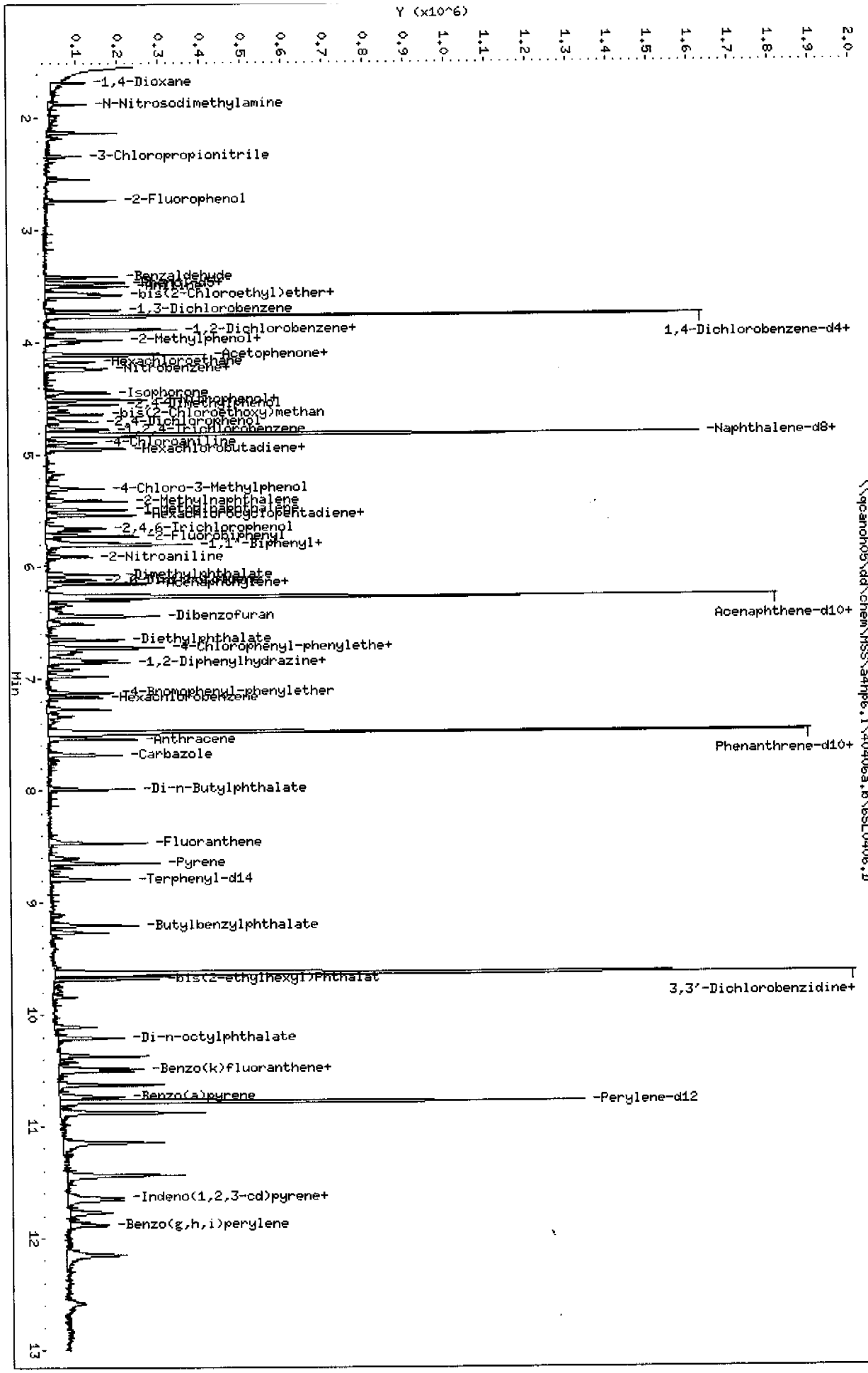


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SL0406.D
Date : 06-APR-2004 15:50
Client ID:
Sample Info: 12,40406a,b,8270p,3-827042,sub,1,,2
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



Page 4

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SL0406.D
Lab Smp Id: 12
Inj Date : 06-APR-2004 15:50
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 12,40406a.b,8270p,3-827042.sub,1,,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:51 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 15:29 Cal File: 6SML0406.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.757	3.757	(1.000)	152916	2.00000	
* 2 Naphthalene-d8	136	4.814	4.814	(1.000)	579862	2.00000	
* 3 Acenaphthene-d10	164	6.267	6.267	(1.000)	326158	2.00000	
* 4 Phenanthrene-d10	188	7.478	7.478	(1.000)	586504	2.00000	
* 5 Chrysene-d12	240	9.633	9.633	(1.000)	568966	2.00000	(H)
* 6 Perylene-d12	264	10.777	10.777	(1.000)	381210	2.00000	
198 1,4-Dioxane	88	1.685	1.685	(0.448)	17404	0.25000	0.26080(H)
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	1.875	1.875	(0.499)	29563	0.25000	0.24191
12 3-Chloropropionitrile	54	2.335	2.335	(0.622)	15156	0.25000	0.24212
209 Benzaldehyde	77	3.410	3.410	(0.908)	33780	0.25000	0.25609
21 Aniline	93	3.498	3.498	(0.931)	57495	0.25000	0.24074
22 Phenol	94	3.472	3.472	(0.924)	47593	0.25000	0.24135(H)
23 bis(2-Chloroethyl)ether	93	3.554	3.554	(0.946)	36223	0.25000	0.24974
24 2-Chlorophenol	128	3.582	3.582	(0.953)	24392	0.25000	0.22963
26 1,3-Dichlorobenzene	146	3.708	3.708	(0.987)	24633	0.25000	0.24298
27 1,4-Dichlorobenzene	146	3.770	3.770	(1.003)	23369	0.25000	0.24786
28 1,2-Dichlorobenzene	146	3.896	3.896	(1.037)	22800	0.25000	0.23667
29 Benzyl Alcohol	108	3.883	3.883	(1.034)	20176	0.25000	0.21724
30 2-Methylphenol	108	3.973	3.973	(1.057)	30247	0.25000	0.22978
31 bis(2-Chloroisopropyl)ether	45	3.996	3.996	(1.064)	26331	0.25000	0.22752
37 Acetophenone	105	4.102	4.102	(1.092)	43802	0.25000	0.23648
32 N-Nitroso-di-n-propylamine	70	4.112	4.112	(1.094)	35456	0.25000	0.23576
192 4-Methylphenol	108	4.104	4.104	(1.092)	31044	0.25000	0.22919
34 Hexachloroethane	117	4.169	4.169	(1.109)	11450	0.25000	0.23168
35 Nitrobenzene	77	4.238	4.238	(0.880)	50630	0.25000	0.25031
41 Isophorone	82	4.444	4.444	(0.923)	75424	0.25000	0.23350
42 2-Nitrophenol	139	4.506	4.506	(0.936)	12323	0.25000	0.21964
43 2,4-Dimethylphenol	107	4.549	4.549	(0.945)	32542	0.25000	0.23537
44 bis(2-Chloroethoxy)methane	93	4.637	4.637	(0.963)	42179	0.25000	0.24755
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	4.508	4.508	(0.936)	22615	0.25000	0.26632
48 2,4-Dichlorophenol	162	4.704	4.704	(0.977)	19282	0.25000	0.24082
49 Benzoic Acid	122	Compound Not Detected.					

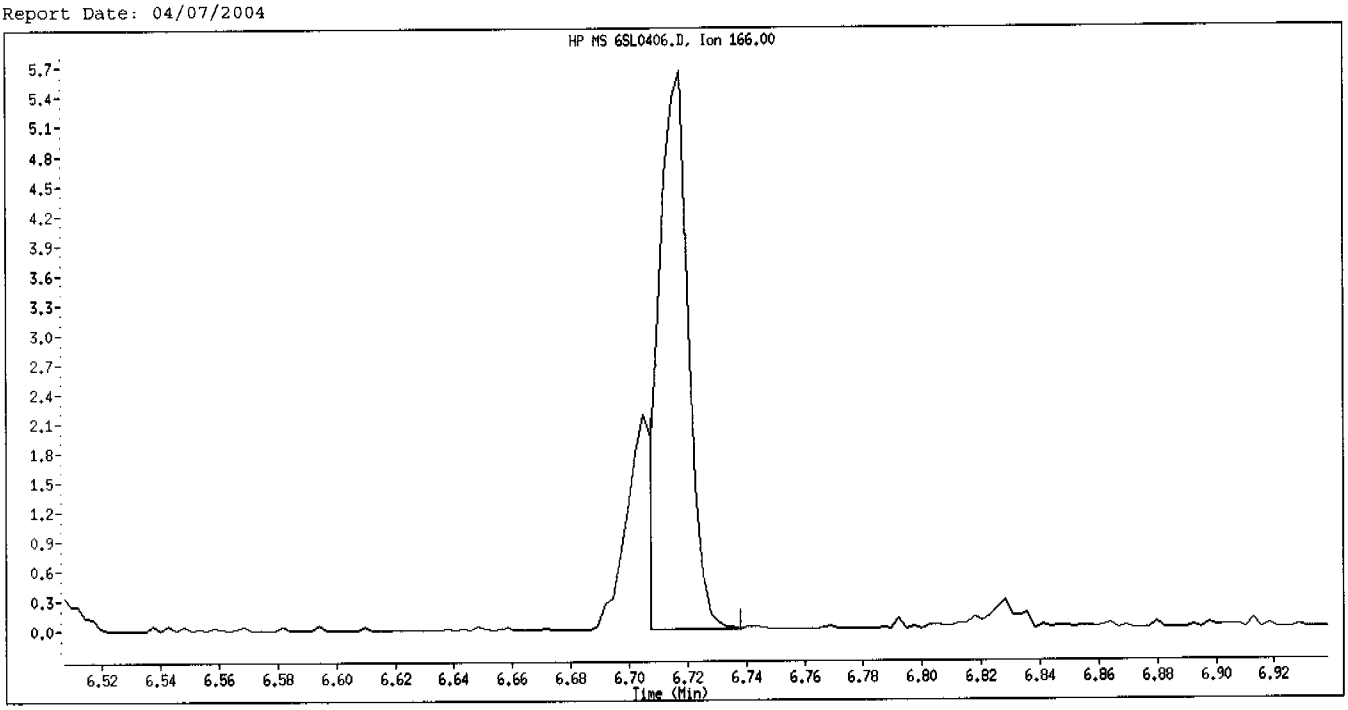
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
50 1,2,4-Trichlorobenzene	180	4.768	4.768	(0.990)	22256	0.25000	0.26592
51 Naphthalene	128	4.832	4.832	(1.004)	72051	0.25000	0.24870
52 4-Chloroaniline	127	4.891	4.891	(1.016)	28479	0.25000	0.24028
56 Hexachlorobutadiene	225	4.940	4.940	(1.026)	12680	0.25000	0.25746
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	4.950	4.950	(1.028)	16633	0.25000	0.20966
59 4-Chloro-3-Methylphenol	107	5.300	5.300	(1.101)	26642	0.25000	0.23147
62 2-Methylnaphthalene	142	5.408	5.408	(1.123)	45764	0.25000	0.24801
63 1-Methylnaphthalene	142	5.490	5.490	(1.140)	43768	0.25000	0.24776
64 Hexachlorocyclopentadiene	237	5.542	5.542	(0.884)	15374	0.25000	0.25128
66 2,4,6-Trichlorophenol	196	5.650	5.650	(0.902)	17468	0.25000	0.26092
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	5.799	5.799	(0.925)	54935	0.25000	0.23790
68 1,2,3,5-Tetrachlorobenzene	216	5.534	5.534	(0.883)	21287	0.25000	0.26863
70 2-Chloronaphthalene	162	5.807	5.807	(0.927)	41507	0.25000	0.24351
73 2-Nitroaniline	65	5.907	5.907	(0.943)	21946	0.25000	0.23019
74 1,2,3,4-Tetrachlorobenzene	216	5.781	5.781	(0.922)	15582	0.25000	0.19414
76 Dimethylphthalate	163	6.069	6.069	(0.968)	48115	0.25000	0.24166
78 2,6-Dinitrotoluene	165	6.113	6.113	(0.975)	9921	0.25000	0.23754(Q)
79 Acenaphthylene	152	6.149	6.149	(0.981)	60357	0.25000	0.20487
80 1,2-Dinitrobenzene	168	6.154	6.154	(0.982)	6021	0.25000	0.28571(Q)
81 3-Nitroaniline	138	6.252	6.252	(0.998)	11721	0.25000	0.23006(Q)
82 Acenaphthene	153	6.293	6.293	(1.004)	48134	0.25000	0.25563
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	6.434	6.434	(1.027)	65799	0.25000	0.25322
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
93 Diethylphthalate	149	6.648	6.648	(1.061)	53297	0.25000	0.25084
94 Fluorene	166	6.717	6.717	(1.072)	50090	0.25000	0.24374(M)
95 4-Chlorophenyl-phenylether	204	6.727	6.727	(1.073)	27560	0.25000	0.25646
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	6.828	6.828	(0.913)	38064	0.25000	0.24516(M)
100 1,2-Diphenylhydrazine	77	6.853	6.853	(0.916)	93518	0.25000	0.24262
106 4-Bromophenyl-phenylether	248	7.123	7.123	(0.953)	12932	0.25000	0.24026
107 Hexachlorobenzene	284	7.162	7.162	(0.958)	12135	0.25000	0.22191(M)
212 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
115 Phenanthrene	178	7.496	7.496	(1.002)	75355	0.25000	0.25346
116 Anthracene	178	7.540	7.540	(1.008)	68740	0.25000	0.23014
119 Carbazole	167	7.679	7.679	(1.027)	59494	0.25000	0.21324
120 Di-n-Butylphthalate	149	7.987	7.987	(1.068)	69015	0.25000	0.19728
123 Fluoranthene	202	8.463	8.463	(1.132)	78514	0.25000	0.22816
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	8.646	8.646	(0.895)	89081	0.25000	0.24812
131 Butylbenzylphthalate	149	9.204	9.204	(0.953)	31464	0.25000	0.20654
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	9.623	9.623	(0.996)	25053	0.25000	0.21755
136 Benzo(a)Anthracene	228	9.625	9.625	(0.996)	85663	0.25000	0.23383(H)
137 Chrysene	228	9.651	9.651	(0.999)	67406	0.25000	0.23835
138 4,4'-Methylene bis(o-chloroan	231	9.631	9.631	(0.997)	12774	0.25000	0.20309(Q)
139 bis(2-ethylhexyl)Phthalate	149	9.682	9.682	(1.002)	51126	0.25000	0.22992
140 Di-n-octylphthalate	149	10.207	10.207	(0.947)	73567	0.25000	0.21846(M)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
141 Benzo(b)fluoranthene	252	10.484	10.484	(0.973)	72358	0.25000	0.20644(H)
142 Benzo(k)fluoranthene	252	10.507	10.507	(0.975)	53442	0.25000	0.21676
146 Benzo(a)pyrene	252	10.731	10.731	(0.996)	64154	0.25000	0.24286
149 Indeno(1,2,3-cd)pyrene	276	11.639	11.639	(1.080)	58000	0.25000	0.20612
150 Dibenz(a,h)anthracene	278	11.654	11.654	(1.081)	45201	0.25000	0.18786(H)
151 Benzo(g,h,i)perylene	276	11.881	11.881	(1.102)	50445	0.25000	0.22086(Q)
$ 154 Nitrobenzene-d5	82	4.225	4.225	(0.878)	45992	0.25000	0.24460
$ 155 2-Fluorobiphenyl	172	5.722	5.722	(0.913)	54149	0.25000	0.24648
$ 156 Terphenyl-d14	244	8.792	8.792	(0.910)	52166	0.25000	0.24638
$ 157 Phenol-d5	99	3.462	3.462	(0.921)	41397	0.25000	0.23806
$ 158 2-Fluorophenol	112	2.731	2.731	(0.727)	27705	0.25000	0.23915
$ 159 2,4,6-Tribromophenol	330	Compound Not Detected.					
$ 186 2-Chlorophenol-d4	132	3.572	3.572	(0.951)	25139	0.25000	0.23774
$ 187 1,2-Dichlorobenzene-d4	152	3.881	3.881	(1.033)	15786	0.25000	0.25012(Q)
101 Diphenylamine	169	6.828	6.828	(0.913)	30156	0.25000	0.19423

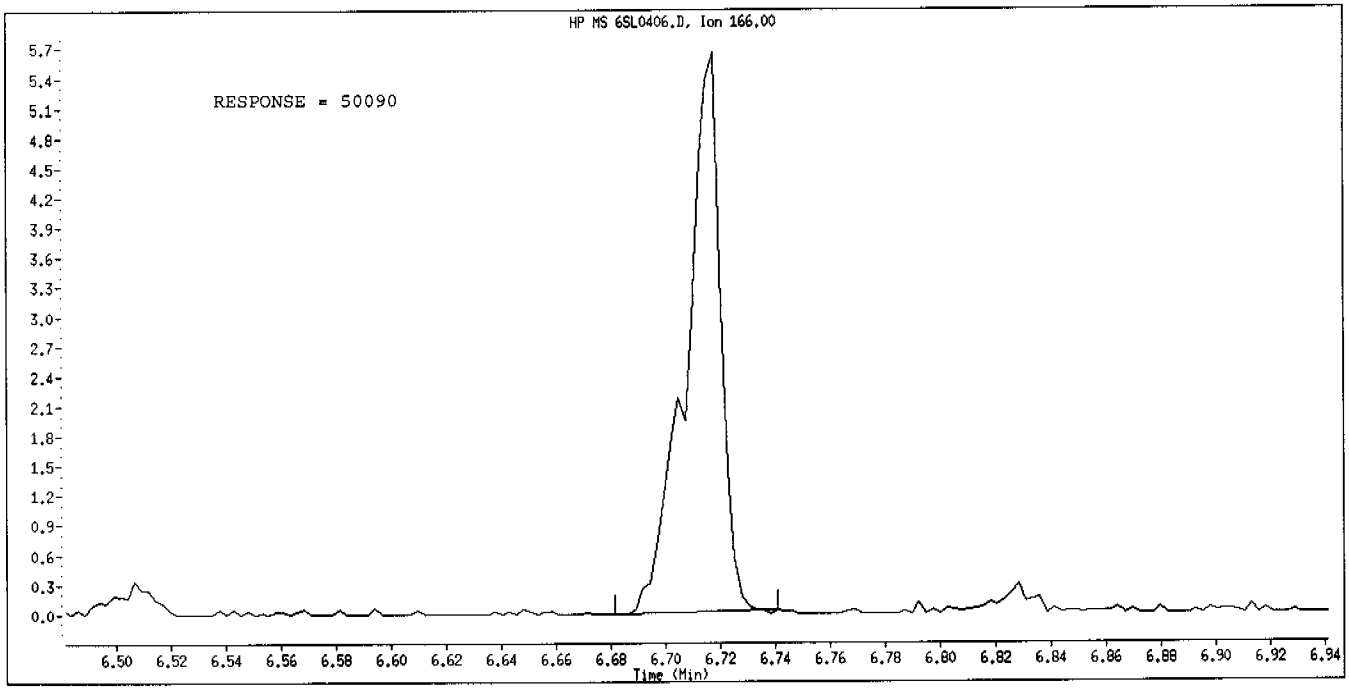
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SL0406.D
Inj. Date and Time: 06-APR-2004 15:50
Instrument ID: a4hp6.i
Client ID:
Compound Name: Fluorene
CAS #: 86-73-7
Report Date: 04/07/2004



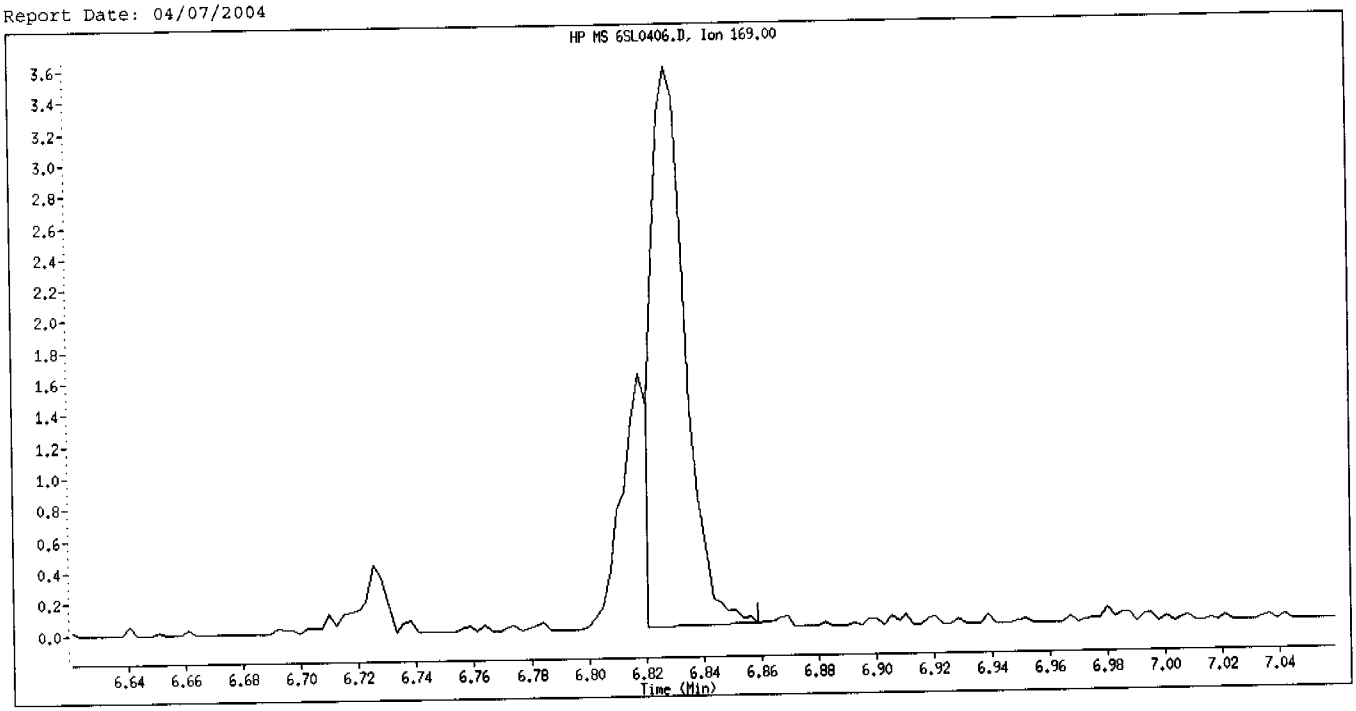
Original Integration



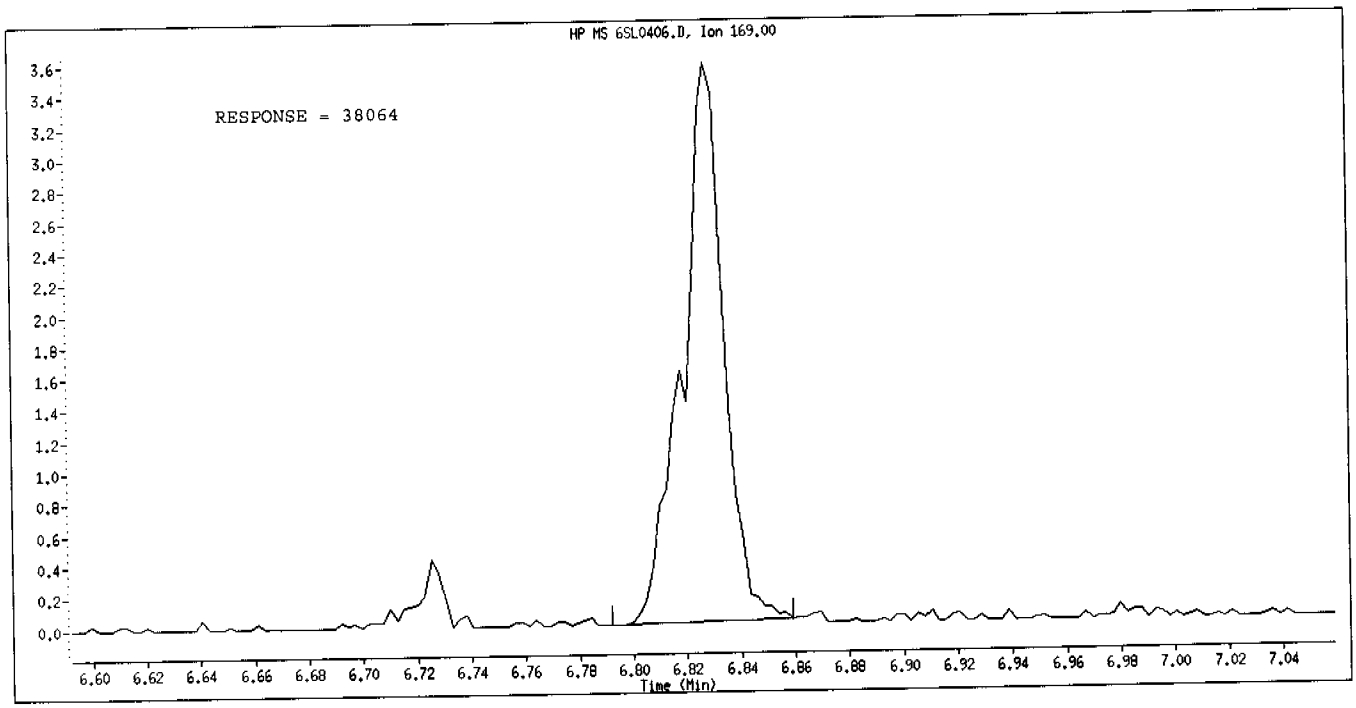
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SL0406.D
Inj. Date and Time: 06-APR-2004 15:50
Instrument ID: a4hp6.i
Client ID:
Compound Name: N-Nitrosodiphenylamine
CAS #: 86-30-6
Report Date: 04/07/2004



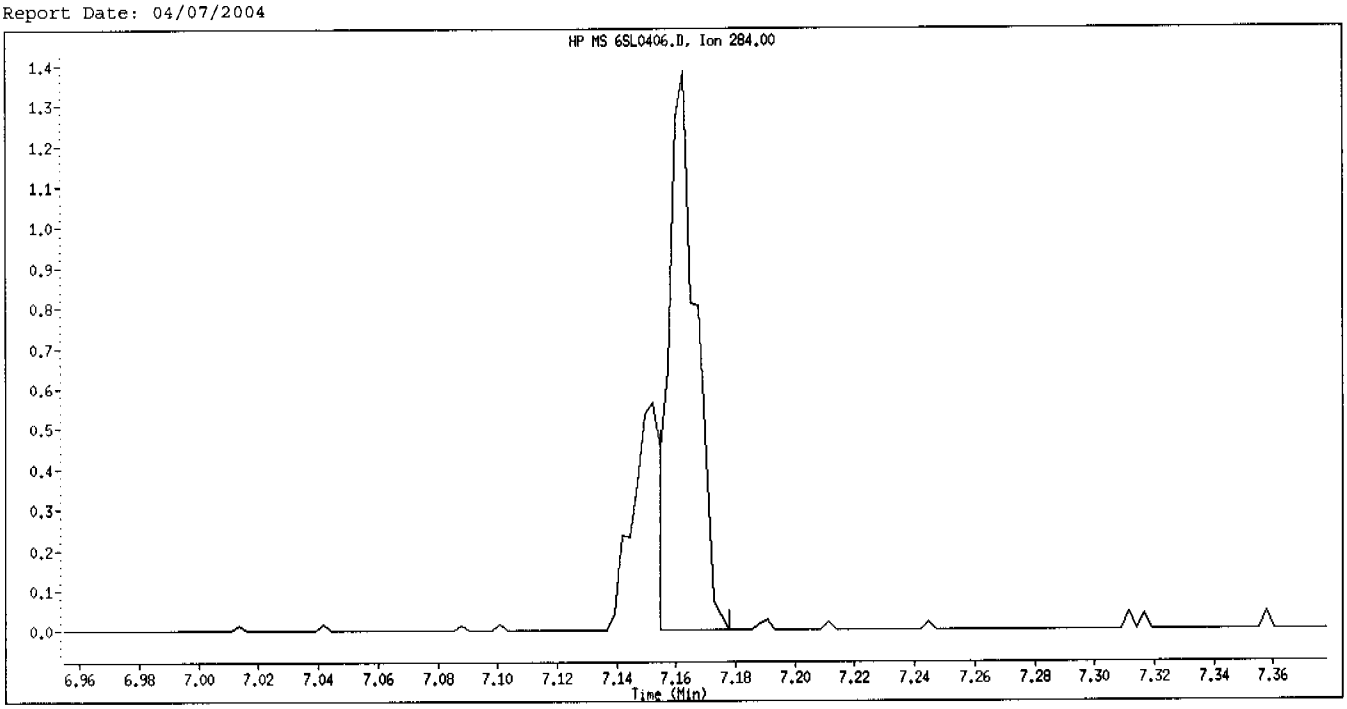
Original Integration



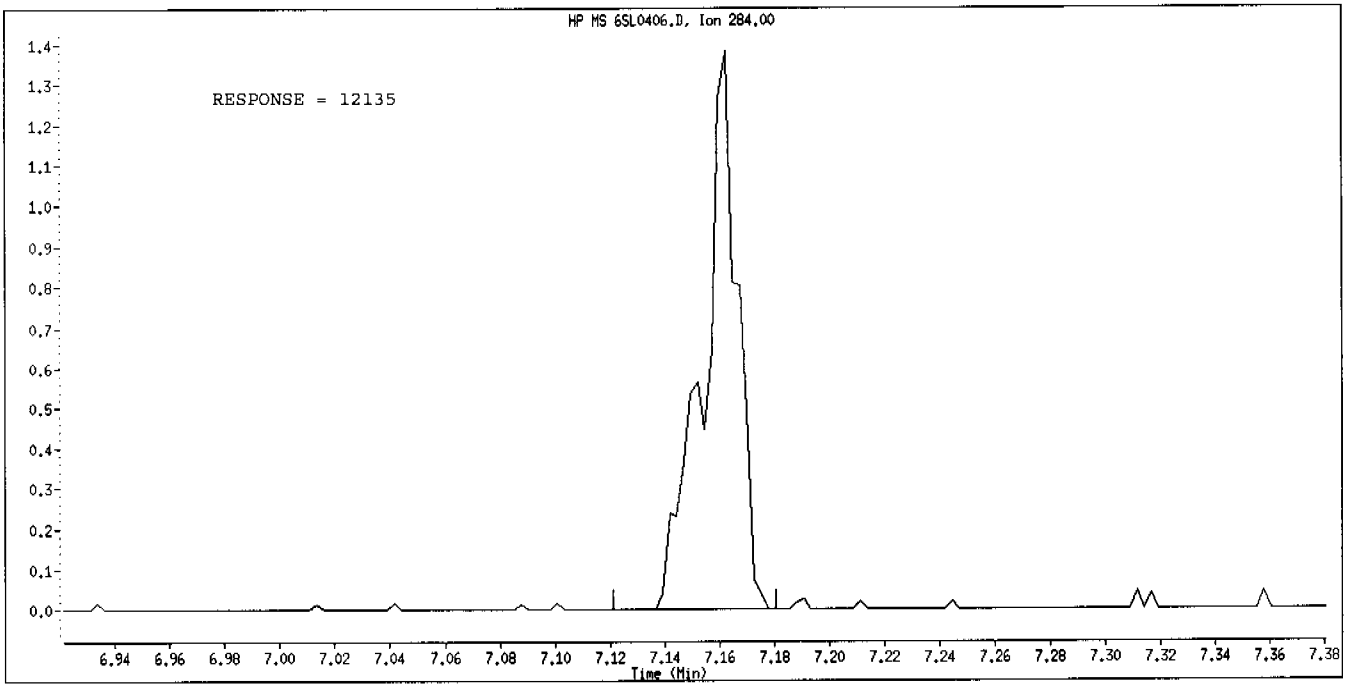
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SL0406.D
Inj. Date and Time: 06-APR-2004 15:50
Instrument ID: a4hp6.i
Client ID:
Compound Name: Hexachlorobenzene
CAS #: 118-74-1
Report Date: 04/07/2004



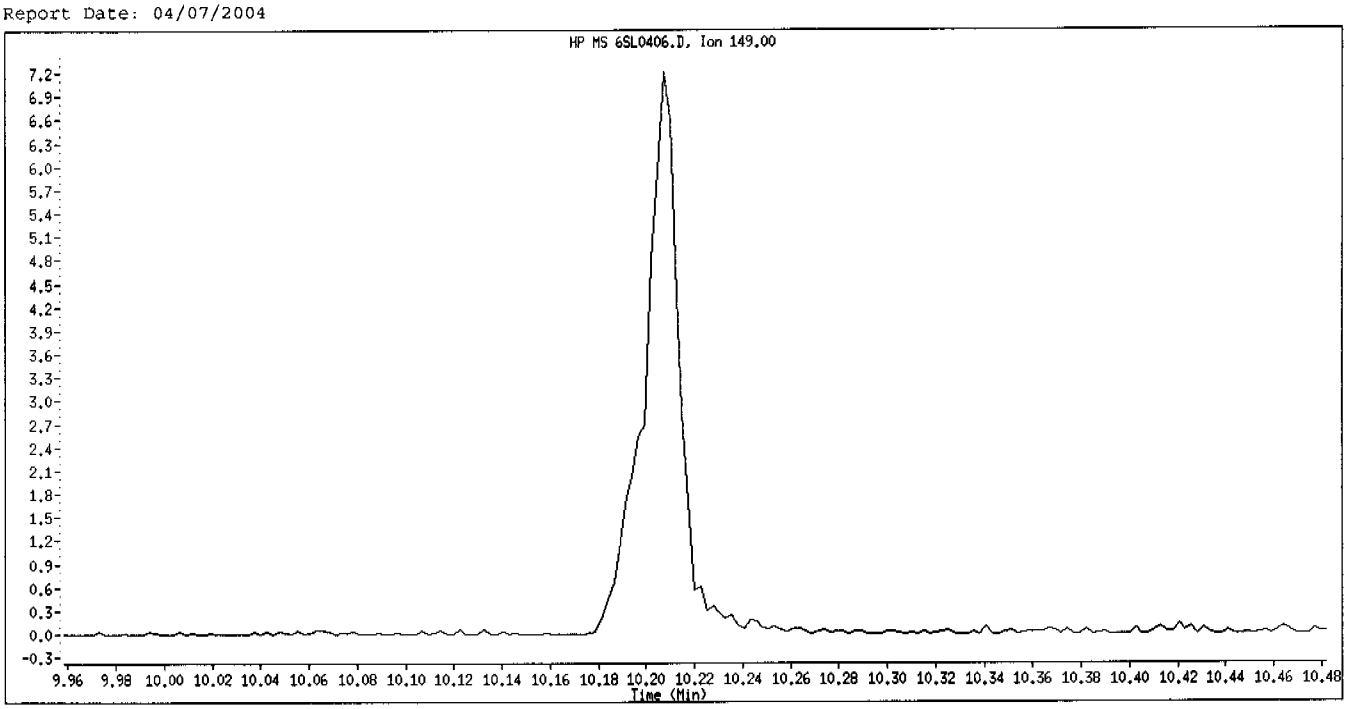
Original Integration



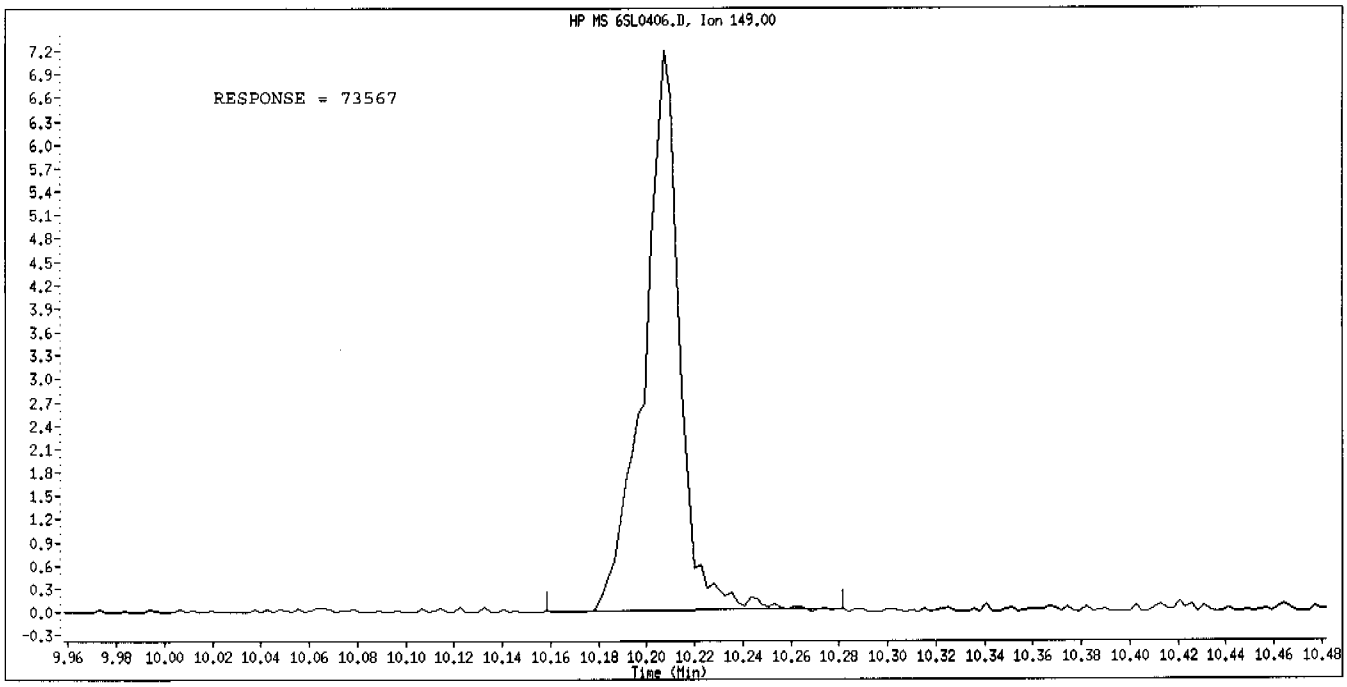
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SL0406.D
Inj. Date and Time: 06-APR-2004 15:50
Instrument ID: a4hp6.i
Client ID:
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0
Report Date: 04/07/2004



Original Integration

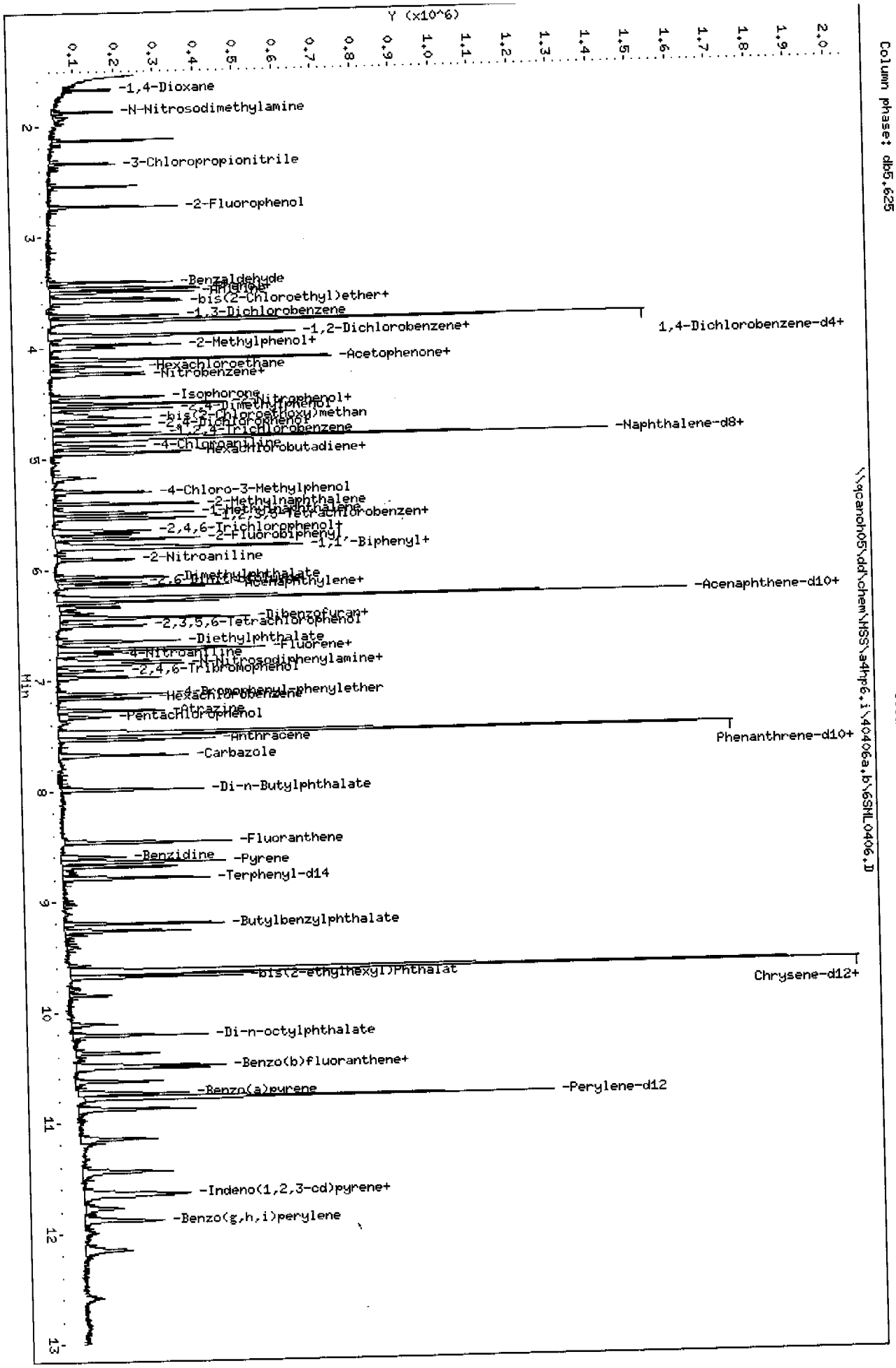


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SML0406.D
Date : 06-APR-2004 15:29
Client ID:
Sample Info: 13,40406a,b,8270p,3-827042,s:b,1,,3
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



Page 4

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SML0406.D
Lab Smp Id: 13
Inj Date : 06-APR-2004 15:29
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 13,40406a.b,8270p,3-827042.sub,1,,3
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:51 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 15:08 Cal File: 6SM0406.D
Calibration Sample, Level: 3
Als bottle: 4
Dil Factor: 1.00000
Compound Sublist: 3-827042.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.756	3.756	(1.000)	138626	2.00000	
* 2 Naphthalene-d8	136	4.813	4.813	(1.000)	550877	2.00000	
* 3 Acenaphthene-d10	164	6.266	6.266	(1.000)	304811	2.00000	
* 4 Phenanthrene-d10	188	7.479	7.479	(1.000)	555104	2.00000	
* 5 Chrysene-d12	240	9.634	9.634	(1.000)	538390	2.00000	
* 6 Perylene-d12	264	10.779	10.779	(1.000)	366050	2.00000	
198 1,4-Dioxane	88	1.676	1.676	(0.446)	29575	0.50000	0.48350
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	1.868	1.868	(0.498)	54721	0.50000	0.49096
12 3-Chloropropionitrile	54	2.334	2.334	(0.621)	28678	0.50000	0.50808
209 Benzaldehyde	77	3.411	3.411	(0.908)	60620	0.50000	0.51049
21 Aniline	93	3.496	3.496	(0.931)	103050	0.50000	0.46481
22 Phenol	94	3.470	3.470	(0.924)	86293	0.50000	0.47451
23 bis(2-Chloroethyl)ether	93	3.555	3.555	(0.947)	61920	0.50000	0.45761
24 2-Chlorophenol	128	3.584	3.584	(0.954)	46716	0.50000	0.47801
26 1,3-Dichlorobenzene	146	3.710	3.710	(0.988)	45668	0.50000	0.49536
27 1,4-Dichlorobenzene	146	3.771	3.771	(1.004)	42702	0.50000	0.49941
28 1,2-Dichlorobenzene	146	3.892	3.892	(1.036)	43344	0.50000	0.49447
29 Benzyl Alcohol	108	3.879	3.879	(1.033)	40017	0.50000	0.46381
30 2-Methylphenol	108	3.974	3.974	(1.058)	56121	0.50000	0.45671
31 bis(2-Chloroisopropyl)ether	45	3.995	3.995	(1.064)	50908	0.50000	0.47818
37 Acetophenone	105	4.103	4.103	(1.092)	80549	0.50000	0.47017
32 N-Nitroso-di-n-propylamine	70	4.113	4.113	(1.095)	65695	0.50000	0.47328
192 4-Methylphenol	108	4.103	4.103	(1.092)	59070	0.50000	0.47210
34 Hexachloroethane	117	4.170	4.170	(1.110)	21798	0.50000	0.48008
35 Nitrobenzene	77	4.239	4.239	(0.881)	92745	0.50000	0.47442
41 Isophorone	82	4.442	4.442	(0.923)	143749	0.50000	0.45412
42 2-Nitrophenol	139	4.504	4.504	(0.936)	24996	0.50000	0.45484
43 2,4-Dimethylphenol	107	4.548	4.548	(0.945)	62976	0.50000	0.46980
44 bis(2-Chloroethoxy)methane	93	4.635	4.635	(0.963)	77138	0.50000	0.46563
46 2,4-Toluenediamene	121	5.798	5.798	(1.205)	23752	0.50000	0.51605(M)
47 1,3,5-Trichlorobenzene	180	4.507	4.507	(0.936)	38630	0.50000	0.46894
48 2,4-Dichlorophenol	162	4.697	4.697	(0.976)	35462	0.50000	0.45095
49 Benzoic Acid	122	Compound Not Detected.					

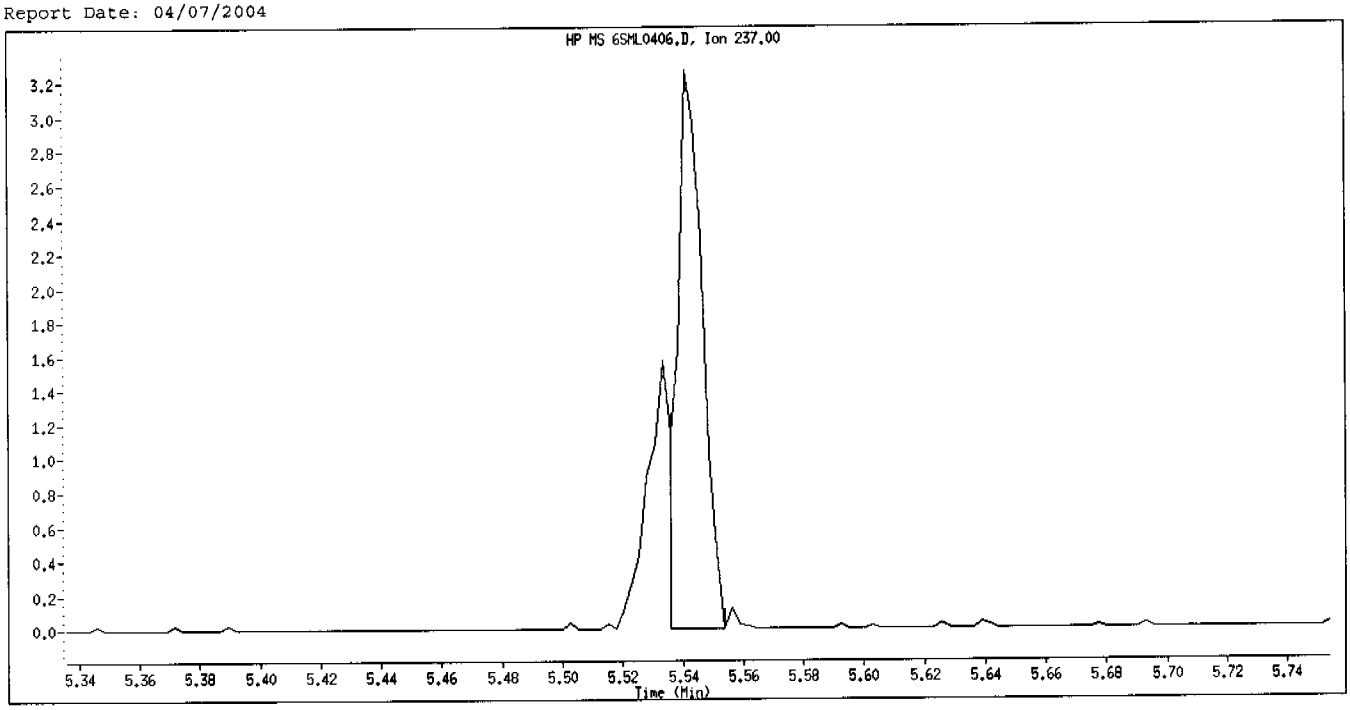
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
50 1,2,4-Trichlorobenzene	180	4.769	4.769	(0.991)	38211	0.50000	0.47141
51 Naphthalene	128	4.831	4.831	(1.004)	134142	0.50000	0.48130
52 4-Chloroaniline	127	4.887	4.887	(1.015)	52800	0.50000	0.45478
56 Hexachlorobutadiene	225	4.939	4.939	(1.026)	21636	0.50000	0.44568
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	4.952	4.952	(1.029)	35336	0.50000	0.45469
59 4-Chloro-3-Methylphenol	107	5.301	5.301	(1.102)	48624	0.50000	0.42137
62 2-Methylnaphthalene	142	5.409	5.409	(1.124)	85710	0.50000	0.48358
63 1-Methylnaphthalene	142	5.489	5.489	(1.141)	80907	0.50000	0.47362
64 Hexachlorocyclopentadiene	237	5.541	5.541	(0.884)	26681	0.50000	0.45155(M)
66 2,4,6-Trichlorophenol	196	5.649	5.649	(0.902)	29981	0.50000	0.46942
67 2,4,5-Trichlorophenol	196	5.674	5.674	(0.906)	25291	0.50000	0.41921
211 1,1'-Biphenyl	154	5.800	5.800	(0.926)	105579	0.50000	0.48403
68 1,2,3,5-Tetrachlorobenzene	216	5.535	5.535	(0.883)	32842	0.50000	0.41976
70 2-Chloronaphthalene	162	5.808	5.808	(0.927)	77863	0.50000	0.48337
73 2-Nitroaniline	65	5.908	5.908	(0.943)	37044	0.50000	0.38346
74 1,2,3,4-Tetrachlorobenzene	216	5.780	5.780	(0.922)	37139	0.50000	0.49274
76 Dimethylphthalate	163	6.068	6.068	(0.968)	90111	0.50000	0.47679
78 2,6-Dinitrotoluene	165	6.114	6.114	(0.976)	17818	0.50000	0.43745
79 Acenaphthylene	152	6.147	6.147	(0.981)	134833	0.50000	0.48472
80 1,2-Dinitrobenzene	168	6.150	6.150	(0.982)	6755	0.50000	0.29644(Q)
81 3-Nitroaniline	138	6.250	6.250	(0.998)	23738	0.50000	0.49786(QMH)
82 Acenaphthene	153	6.291	6.291	(1.004)	83363	0.50000	0.46160
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	6.433	6.433	(1.027)	118987	0.50000	0.48511
87 2,4-Dinitrotoluene	165	6.443	6.443	(1.028)	26059	0.50000	0.43171
91 2,3,5,6-Tetrachlorophenol	232	6.505	6.505	(1.038)	20145	0.50000	0.37394
93 Diethylphthalate	149	6.649	6.649	(1.061)	95099	0.50000	0.46905
94 Fluorene	166	6.716	6.716	(1.072)	92956	0.50000	0.47640
95 4-Chlorophenyl-phenylether	204	6.729	6.729	(1.074)	49286	0.50000	0.48625
96 4-Nitroaniline	138	6.747	6.747	(1.077)	21763	0.50000	0.51575(Q)
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	6.829	6.829	(0.913)	70262	0.50000	0.46792
100 1,2-Diphenylhydrazine	77	6.852	6.852	(0.916)	176580	0.50000	0.47642
106 4-Bromophenyl-phenylether	248	7.122	7.122	(0.952)	22968	0.50000	0.42973
107 Hexachlorobenzene	284	7.163	7.163	(0.958)	25737	0.50000	0.49591
212 Atrazine	200	7.274	7.274	(0.972)	25962	0.50000	0.47096(Q)
111 Pentachlorophenol	266	7.330	7.330	(0.980)	12454	0.50000	0.33432
115 Phenanthrene	178	7.497	7.497	(1.002)	134438	0.50000	0.46736
116 Anthracene	178	7.539	7.539	(1.008)	138246	0.50000	0.48371
119 Carbazole	167	7.680	7.680	(1.027)	124207	0.50000	0.45684
120 Di-n-Butylphthalate	149	7.989	7.989	(1.068)	158826	0.50000	0.47014
123 Fluoranthene	202	8.464	8.464	(1.132)	155347	0.50000	0.46624
124 Benzidine	184	8.598	8.598	(0.892)	74357	0.50000	0.44522
125 Pyrene	202	8.647	8.647	(0.898)	162361	0.50000	0.46759
131 Butylbenzylphthalate	149	9.202	9.202	(0.955)	67126	0.50000	0.45021
133 3,3'-Dimethoxybenzidine	244	9.619	9.619	(0.998)	30291	0.50000	0.44351
135 3,3'-Dichlorobenzidine	252	9.621	9.621	(0.999)	53718	0.50000	0.48952
136 Benzo(a)Anthracene	228	9.627	9.627	(0.999)	192118	0.50000	0.58595
137 Chrysene	228	9.652	9.652	(1.002)	112348	0.50000	0.38867
138 4,4'-Methylene bis(o-chloroan	231	9.632	9.632	(1.000)	28694	0.50000	0.47363(Q)
139 bis(2-ethylhexyl)Phthalate	149	9.683	9.683	(1.005)	98918	0.50000	0.45647
140 Di-n-octylphthalate	149	10.208	10.208	(0.947)	149644	0.50000	0.44618

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
141 Benzo(b)fluoranthene	252	10.488	10.488	(0.973)	159319	0.50000	0.46108
142 Benzo(k)fluoranthene	252	10.506	10.506	(0.975)	117215	0.50000	0.49269
146 Benzo(a)pyrene	252	10.735	10.735	(0.996)	121744	0.50000	0.47052
149 Indeno(1,2,3-cd)pyrene	276	11.637	11.637	(1.080)	131597	0.50000	0.48079
150 Dibenz(a,h)anthracene	278	11.661	11.661	(1.082)	107002	0.50000	0.44667
151 Benzo(g,h,i)perylene	276	11.882	11.882	(1.102)	89610	0.50000	0.37437(Q)
$ 154 Nitrobenzene-d5	82	4.224	4.224	(0.878)	87490	0.50000	0.48482
$ 155 2-Fluorobiphenyl	172	5.721	5.721	(0.913)	101405	0.50000	0.49093
$ 156 Terphenyl-d14	244	8.788	8.788	(0.912)	97026	0.50000	0.47679
$ 157 Phenol-d5	99	3.460	3.460	(0.921)	77025	0.50000	0.48310
$ 158 2-Fluorophenol	112	2.727	2.727	(0.726)	51248	0.50000	0.48219
$ 159 2,4,6-Tribromophenol	330	6.914	6.914	(1.103)	10350	0.50000	0.46862(Q)
$ 186 2-Chlorophenol-d4	132	3.568	3.568	(0.950)	46870	0.50000	0.48358
$ 187 1,2-Dichlorobenzene-d4	152	3.879	3.879	(1.033)	27025	0.50000	0.45962
101 Diphenylamine	169	6.829	6.829	(0.913)	70262	0.50000	0.46792

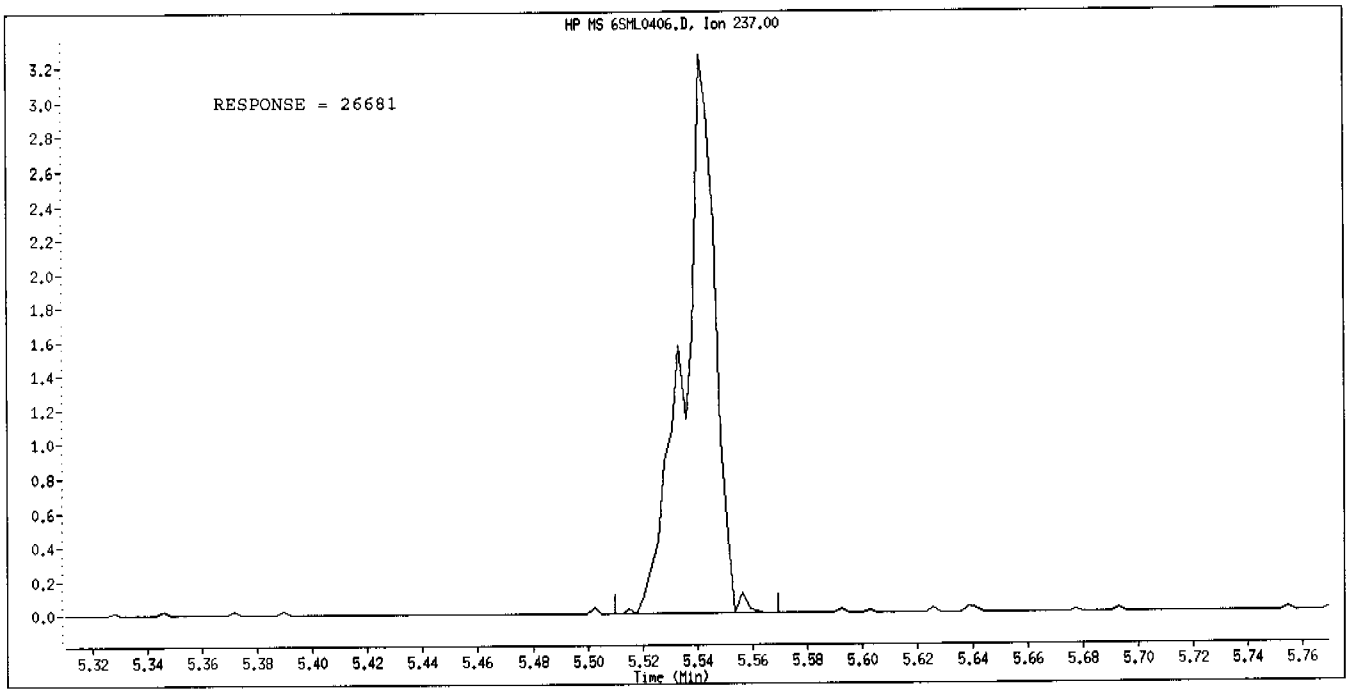
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SML0406.D
Inj. Date and Time: 06-APR-2004 15:29
Instrument ID: a4hp6.i
Client ID:
Compound Name: Hexachlorocyclopentadiene
CAS #: 77-47-4
Report Date: 04/07/2004



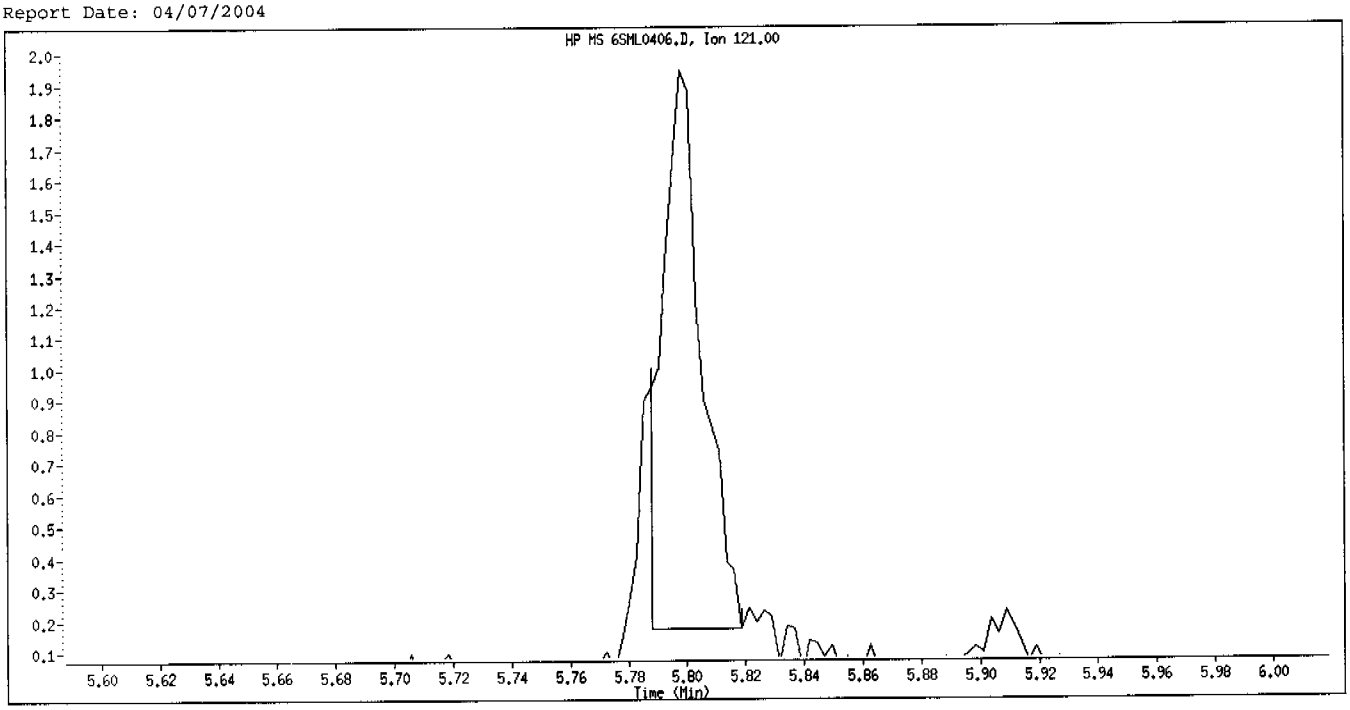
Original Integration



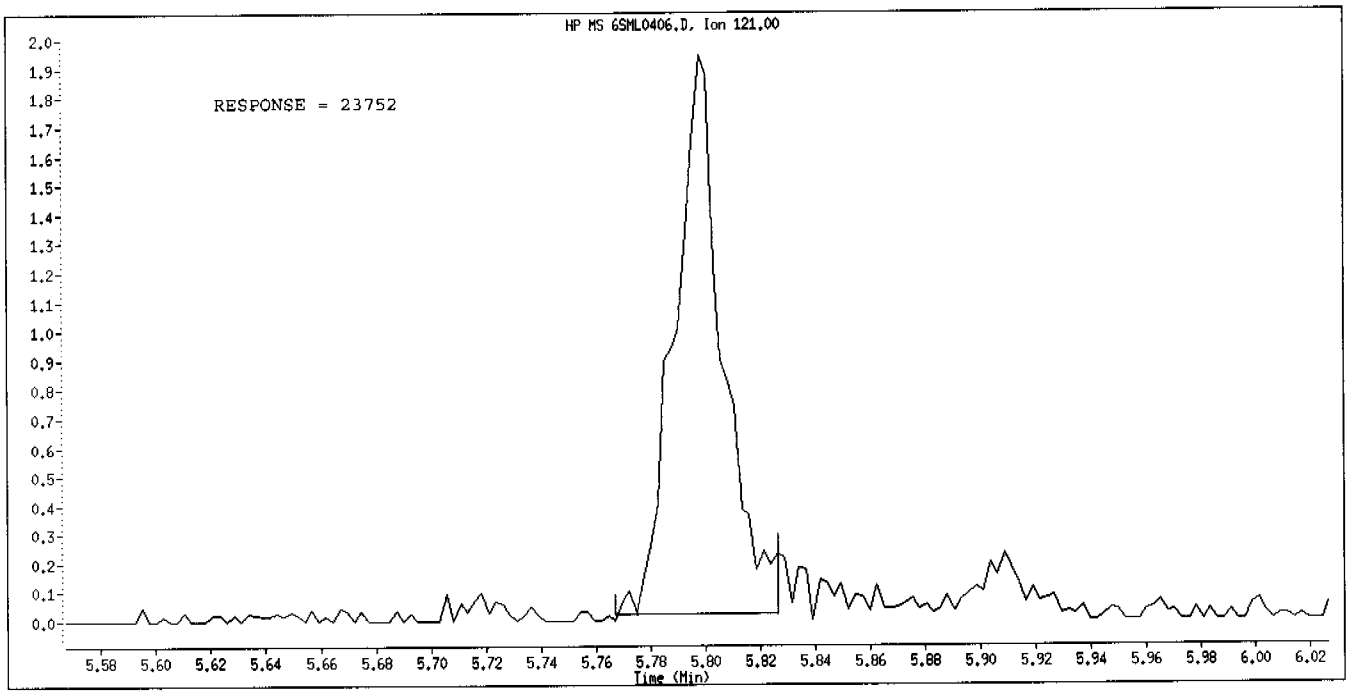
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SML0406.D
Inj. Date and Time: 06-APR-2004 15:29
Instrument ID: a4hp6.i
Client ID:
Compound Name: 2,4-Toluenediamene
CAS #: 95-80-7
Report Date: 04/07/2004



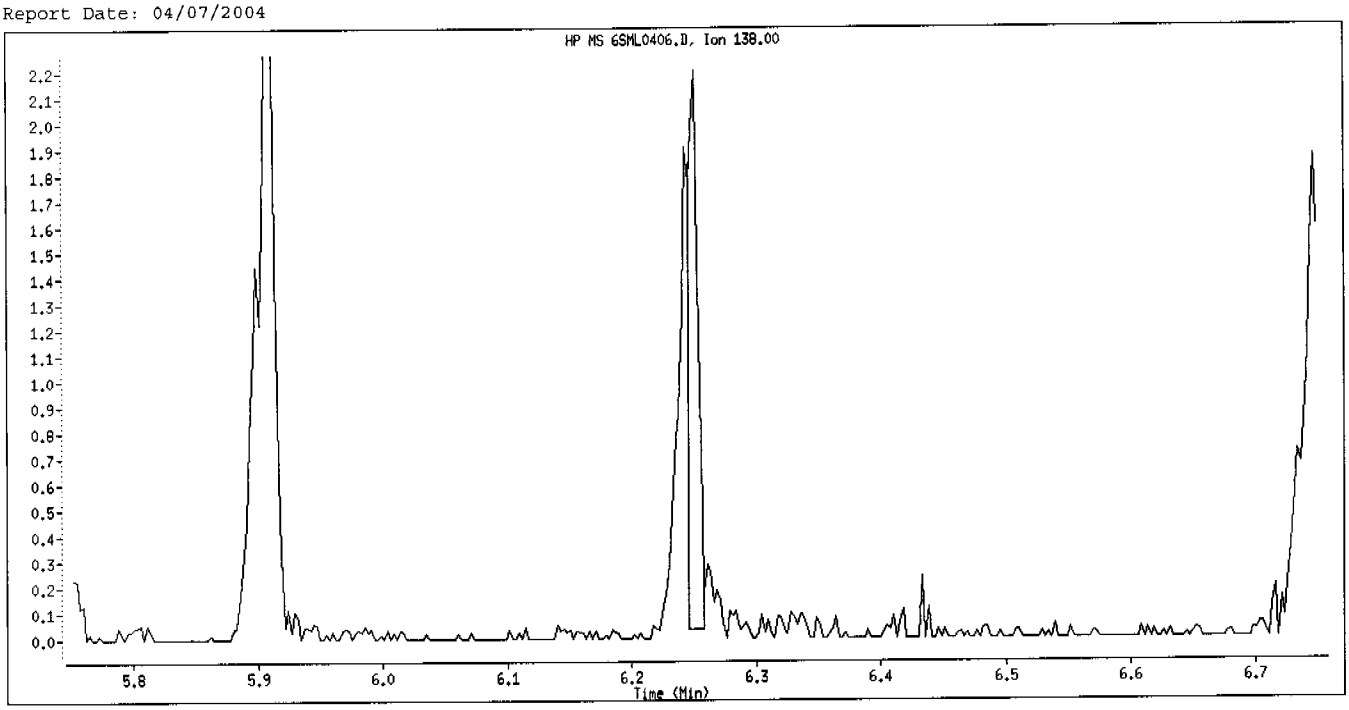
Original Integration



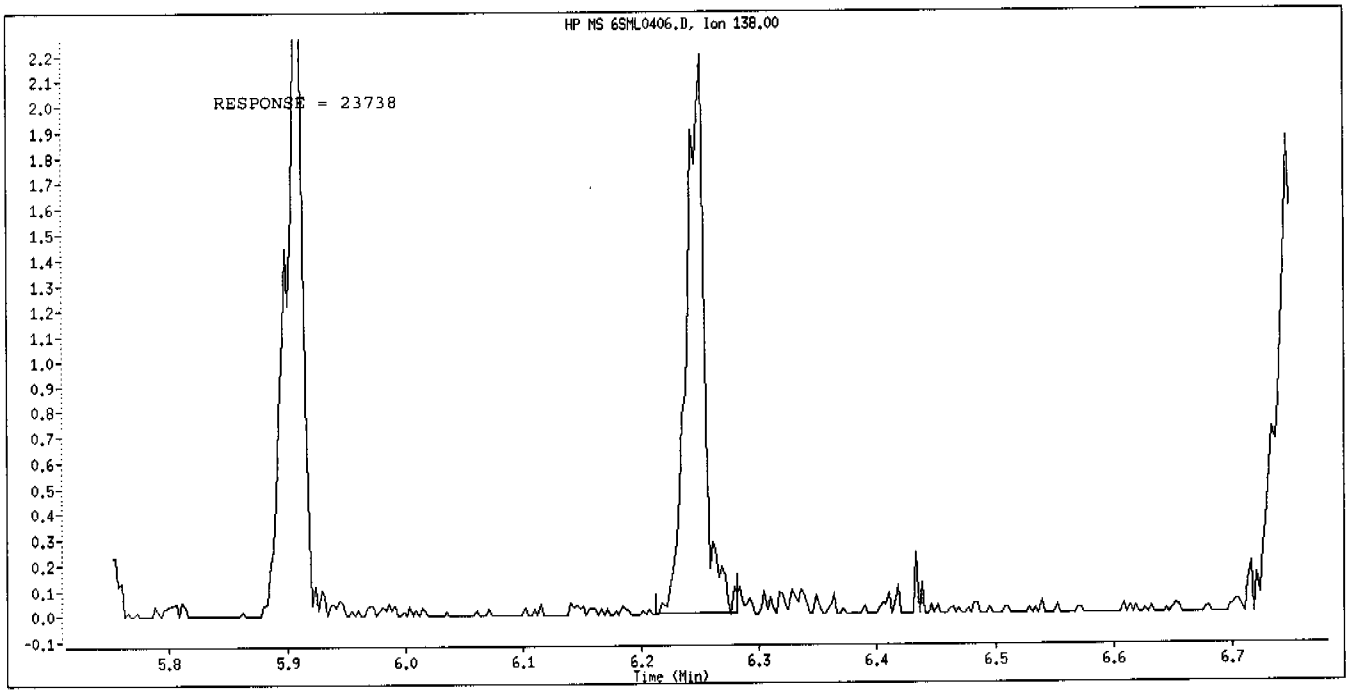
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SML0406.D
Inj. Date and Time: 06-APR-2004 15:29
Instrument ID: a4hp6.i
Client ID:
Compound Name: 3-Nitroaniline
CAS #: 99-09-2
Report Date: 04/07/2004



Original Integration

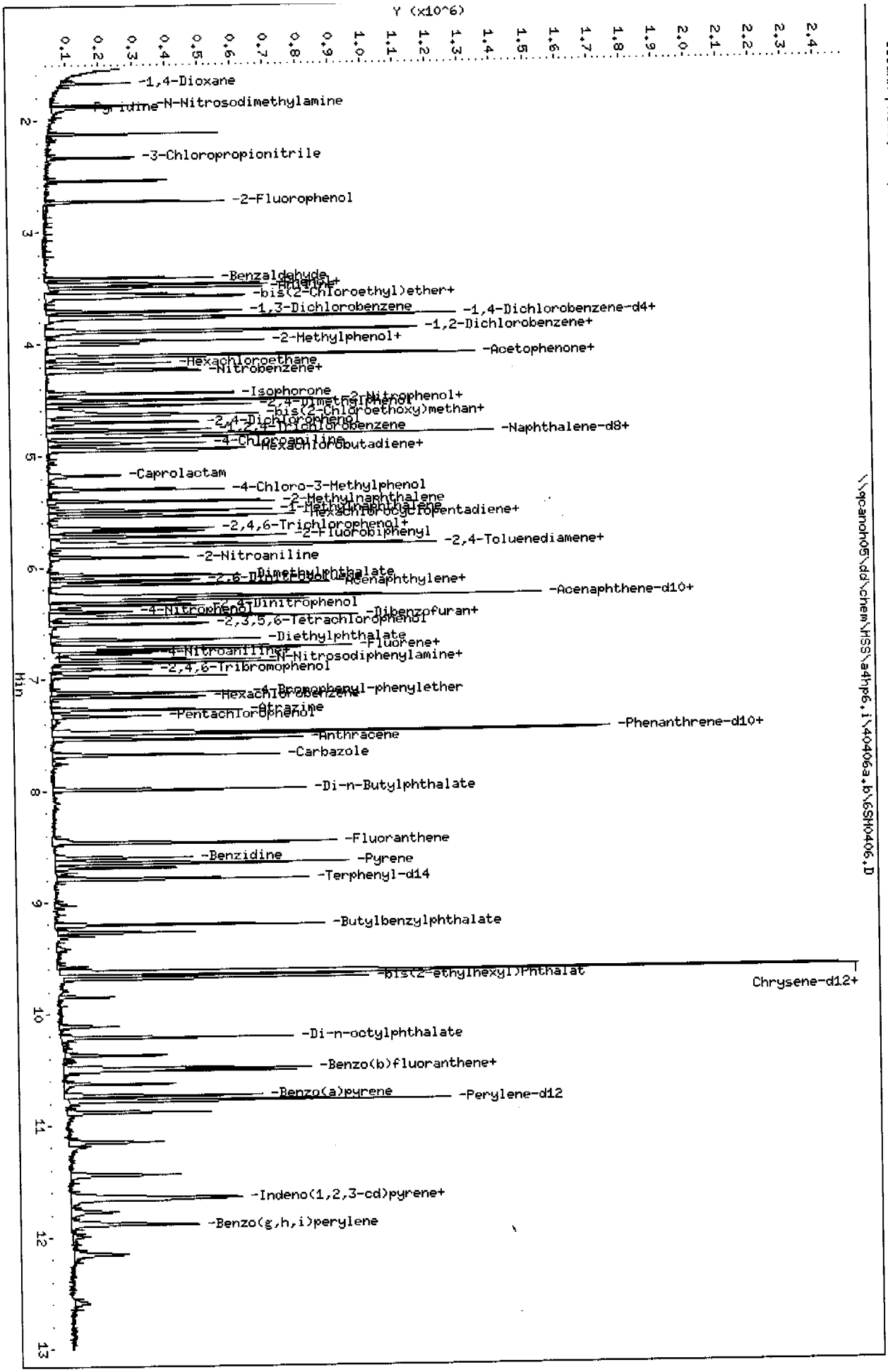


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40406a.b\6SH0406.D
Date : 06-APR-2004 15:08
Client ID:
Sample Info: 14,40406a,b,8270p,3-827042,sub,1,,4
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



Page 4

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SM0406.D
Lab Smp Id: 14
Inj Date : 06-APR-2004 15:08
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 14,40406a.b,8270p,3-827042.sub,1,,4
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:51 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 14:47 Cal File: 6SMM0406.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.758	3.758	(1.000)	113006	2.00000	
* 2 Naphthalene-d8	136	4.812	4.812	(1.000)	453035	2.00000	
* 3 Acenaphthene-d10	164	6.265	6.265	(1.000)	256593	2.00000	
* 4 Phenanthrene-d10	188	7.479	7.479	(1.000)	463764	2.00000	
* 5 Chrysene-d12	240	9.634	9.634	(1.000)	458791	2.00000	
* 6 Perylene-d12	264	10.780	10.780	(1.000)	306990	2.00000	
198 1,4-Dioxane	88	1.670	1.670	(0.444)	51573	1.00000	1.0710
9 Pyridine	79	1.883	1.883	(0.501)	101935	1.00000	0.90800(H)
10 N-Nitrosodimethylamine	74	1.865	1.865	(0.496)	100307	1.00000	1.2321
12 3-Chloropropionitrile	54	2.331	2.331	(0.620)	49605	1.00000	1.1694
209 Benzaldehyde	77	3.411	3.411	(0.908)	100973	1.00000	1.0900
21 Aniline	93	3.498	3.498	(0.931)	183186	1.00000	1.0276
22 Phenol	94	3.472	3.472	(0.924)	151066	1.00000	1.0388
23 bis(2-Chloroethyl)ether	93	3.557	3.557	(0.947)	110117	1.00000	0.99663
24 2-Chlorophenol	128	3.583	3.583	(0.953)	81782	1.00000	1.0545
26 1,3-Dichlorobenzene	146	3.709	3.709	(0.987)	75667	1.00000	1.0138
27 1,4-Dichlorobenzene	146	3.771	3.771	(1.003)	70483	1.00000	1.0226
28 1,2-Dichlorobenzene	146	3.897	3.897	(1.037)	73075	1.00000	1.0463
29 Benzyl Alcohol	108	3.881	3.881	(1.033)	70408	1.00000	1.0021
30 2-Methylphenol	108	3.974	3.974	(1.057)	100861	1.00000	1.0139
31 bis(2-Chloroisopropyl)ether	45	3.997	3.997	(1.064)	86325	1.00000	0.98940
37 Acetophenone	105	4.102	4.102	(1.092)	140663	1.00000	1.0145
32 N-Nitroso-di-n-propylamine	70	4.113	4.113	(1.094)	116830	1.00000	1.0671
192 4-Methylphenol	108	4.105	4.105	(1.092)	102397	1.00000	1.0079
34 Hexachloroethane	117	4.169	4.169	(1.109)	37513	1.00000	1.0273
35 Nitrobenzene	77	4.241	4.241	(0.881)	162514	1.00000	1.0219
41 Isophorone	82	4.444	4.444	(0.924)	261325	1.00000	1.0077
42 2-Nitrophenol	139	4.506	4.506	(0.936)	45024	1.00000	0.99247
43 2,4-Dimethylphenol	107	4.550	4.550	(0.945)	110129	1.00000	0.99800
44 bis(2-Chloroethoxy)methane	93	4.635	4.635	(0.963)	136690	1.00000	1.0066
46 2,4-Toluenediamene	121	5.797	5.797	(1.205)	40115	1.00000	1.1272
47 1,3,5-Trichlorobenzene	180	4.509	4.509	(0.937)	67810	1.00000	1.0019
48 2,4-Dichlorophenol	162	4.699	4.699	(0.976)	63261	1.00000	0.95732

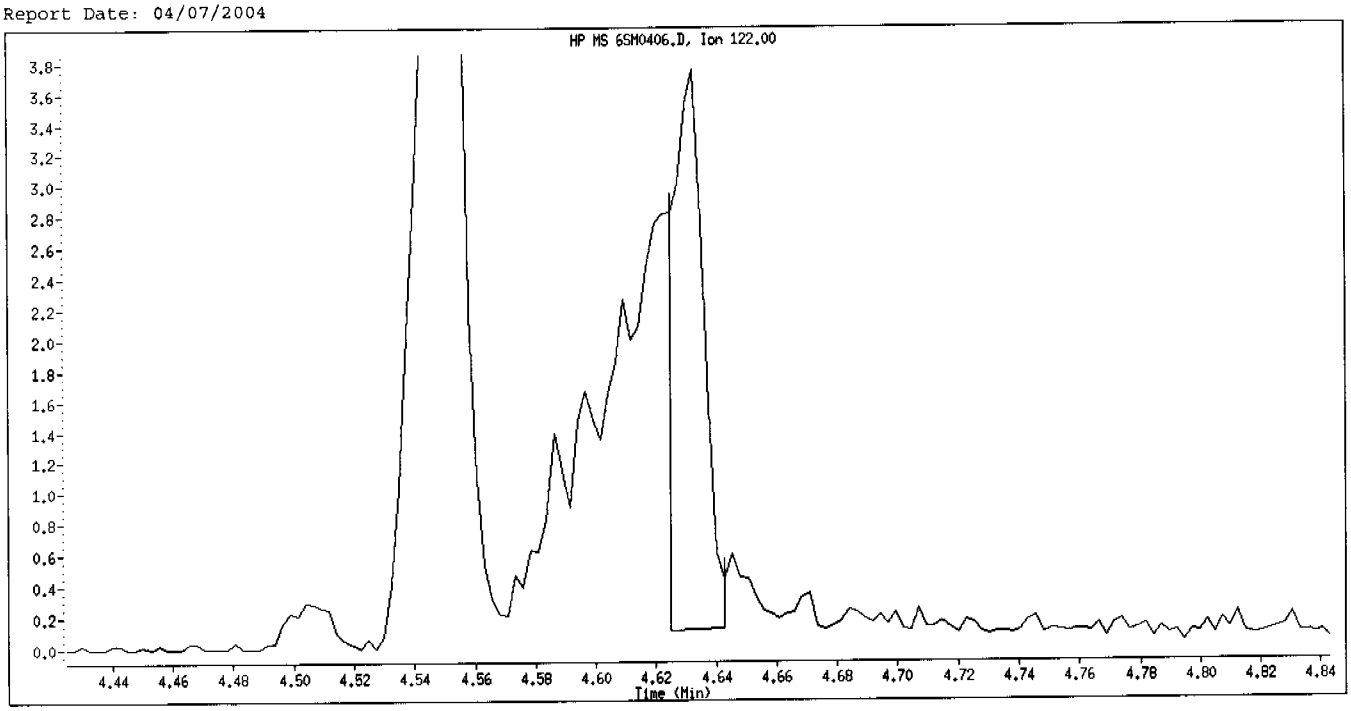
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.632	4.632	(0.963)	75386	2.00000	1.3848(M)
50 1,2,4-Trichlorobenzene	180	4.771	4.771	(0.991)	67862	1.00000	1.0367
51 Naphthalene	128	4.830	4.830	(1.004)	229098	1.00000	0.99907
52 4-Chloroaniline	127	4.889	4.889	(1.016)	93872	1.00000	0.96688
56 Hexachlorobutadiene	225	4.943	4.943	(1.027)	40317	1.00000	1.0199
210 Caprolactam	113	5.175	5.175	(1.075)	27032	1.00000	0.86378(H)
57 1,2,3-Trichlorobenzene	180	4.953	4.953	(1.029)	64789	1.00000	1.0278
59 4-Chloro-3-Methylphenol	107	5.301	5.301	(1.102)	90160	1.00000	0.90487
62 2-Methylnaphthalene	142	5.409	5.409	(1.124)	144277	1.00000	0.97983
63 1-Methylnaphthalene	142	5.488	5.488	(1.141)	139953	1.00000	0.99245
64 Hexachlorocyclopentadiene	237	5.542	5.542	(0.885)	50367	1.00000	1.0255
66 2,4,6-Trichlorophenol	196	5.650	5.650	(0.902)	54552	1.00000	1.0297
67 2,4,5-Trichlorophenol	196	5.676	5.676	(0.906)	51973	1.00000	1.0478
211 1,1'-Biphenyl	154	5.799	5.799	(0.926)	189028	1.00000	1.0607
68 1,2,3,5-Tetrachlorobenzene	216	5.535	5.535	(0.883)	67948	1.00000	1.0654
70 2-Chloronaphthalene	162	5.810	5.810	(0.927)	138409	1.00000	1.0423
73 2-Nitroaniline	65	5.907	5.907	(0.943)	80041	1.00000	0.96899
74 1,2,3,4-Tetrachlorobenzene	216	5.781	5.781	(0.923)	63377	1.00000	0.99775
76 Dimethylphthalate	163	6.069	6.069	(0.969)	160926	1.00000	1.0232
78 2,6-Dinitrotoluene	165	6.116	6.116	(0.976)	34022	1.00000	0.98461(Q)
79 Acenaphthylene	152	6.147	6.147	(0.981)	231042	1.00000	0.97369
80 1,2-Dinitrobenzene	168	6.154	6.154	(0.982)	17860	1.00000	0.87104(Q)
81 3-Nitroaniline	138	6.247	6.247	(0.997)	39002	1.00000	0.94496(Q)
82 Acenaphthene	153	6.293	6.293	(1.004)	153355	1.00000	1.0176
83 2,4-Dinitrophenol	184	6.334	6.334	(1.011)	44797	2.00000	1.5218
85 4-Nitrophenol	109	6.393	6.393	(1.021)	28439	1.00000	0.78928
86 Dibenzofuran	168	6.435	6.435	(1.027)	207736	1.00000	1.0123
87 2,4-Dinitrotoluene	165	6.440	6.440	(1.028)	50801	1.00000	0.99950
91 2,3,5,6-Tetrachlorophenol	232	6.504	6.504	(1.038)	44414	1.00000	0.95956
93 Diethylphthalate	149	6.648	6.648	(1.061)	172367	1.00000	1.0200
94 Fluorene	166	6.715	6.715	(1.072)	166860	1.00000	1.0322
95 4-Chlorophenyl-phenylether	204	6.725	6.725	(1.073)	86930	1.00000	1.0383
96 4-Nitroaniline	138	6.748	6.748	(1.077)	35729	1.00000	1.0118
98 4,6-Dinitro-2-methylphenol	198	6.769	6.769	(0.905)	31403	1.00000	0.87152
99 N-Nitrosodiphenylamine	169	6.828	6.828	(0.913)	126421	1.00000	1.0156
100 1,2-Diphenylhydrazine	77	6.854	6.854	(0.916)	311895	1.00000	1.0146
106 4-Bromophenyl-phenylether	248	7.124	7.124	(0.953)	44577	1.00000	0.99660
107 Hexachlorobenzene	284	7.162	7.162	(0.958)	45122	1.00000	1.0848
212 Atrazine	200	7.276	7.276	(0.973)	45963	1.00000	0.99600
111 Pentachlorophenol	266	7.330	7.330	(0.980)	29297	1.00000	0.88922
115 Phenanthrene	178	7.499	7.499	(1.003)	241546	1.00000	1.0102
116 Anthracene	178	7.538	7.538	(1.008)	238783	1.00000	1.0001
119 Carbazole	167	7.682	7.682	(1.027)	232549	1.00000	1.0487
120 Di-n-Butylphthalate	149	7.988	7.988	(1.068)	282872	1.00000	1.0045
123 Fluoranthene	202	8.464	8.464	(1.132)	278350	1.00000	0.99989
124 Benzidine	184	8.597	8.597	(0.892)	137162	1.00000	0.93006
125 Pyrene	202	8.646	8.646	(0.898)	297724	1.00000	1.0124
131 Butylbenzylphthalate	149	9.204	9.204	(0.955)	124999	1.00000	0.96816
133 3,3'-Dimethoxybenzidine	244	9.618	9.618	(0.998)	56830	1.00000	0.95399
135 3,3'-Dichlorobenzidine	252	9.623	9.623	(0.999)	90026	1.00000	0.92811
136 Benzo(a)Anthracene	228	9.626	9.626	(0.999)	277539	1.00000	0.98679
137 Chrysene	228	9.654	9.654	(1.002)	244779	1.00000	0.98758
138 4,4'-Methylene bis(o-chloroan	231	9.628	9.628	(0.999)	51021	1.00000	0.97684
139 bis(2-ethylhexyl)Phthalate	149	9.682	9.682	(1.005)	181600	1.00000	0.96735

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.210	10.210	(0.947)	276936	1.00000	0.96960
141 Benzo(b)fluoranthene	252	10.485	10.485	(0.973)	277515	1.00000	0.91878
142 Benzo(k)fluoranthene	252	10.508	10.508	(0.975)	218110	1.00000	1.2055
146 Benzo(a)pyrene	252	10.734	10.734	(0.996)	217335	1.00000	1.0031
149 Indeno(1,2,3-cd)pyrene	276	11.642	11.642	(1.080)	217099	1.00000	0.89710(Q)
150 Dibenz(a,h)anthracene	278	11.657	11.657	(1.081)	201165	1.00000	1.0026
151 Benzo(g,h,i)perylene	276	11.884	11.884	(1.102)	200339	1.00000	0.99598
$ 154 Nitrobenzene-d5	82	4.226	4.226	(0.878)	147681	1.00000	0.99028
$ 155 2-Fluorobiphenyl	172	5.722	5.722	(0.913)	178118	1.00000	1.0499
$ 156 Terphenyl-d14	244	8.790	8.790	(0.912)	172293	1.00000	0.98717
$ 157 Phenol-d5	99	3.462	3.462	(0.921)	132923	1.00000	1.0465
$ 158 2-Fluorophenol	112	2.727	2.727	(0.726)	93034	1.00000	1.1594
$ 159 2,4,6-Tribromophenol	330	6.913	6.913	(1.103)	17924	1.00000	0.93060
$ 186 2-Chlorophenol-d4	132	3.570	3.570	(0.950)	80308	1.00000	1.0334
$ 187 1,2-Dichlorobenzene-d4	152	3.884	3.884	(1.034)	49622	1.00000	1.0731
101 Diphenylamine	169	6.828	6.828	(0.913)	126421	1.00000	1.0156

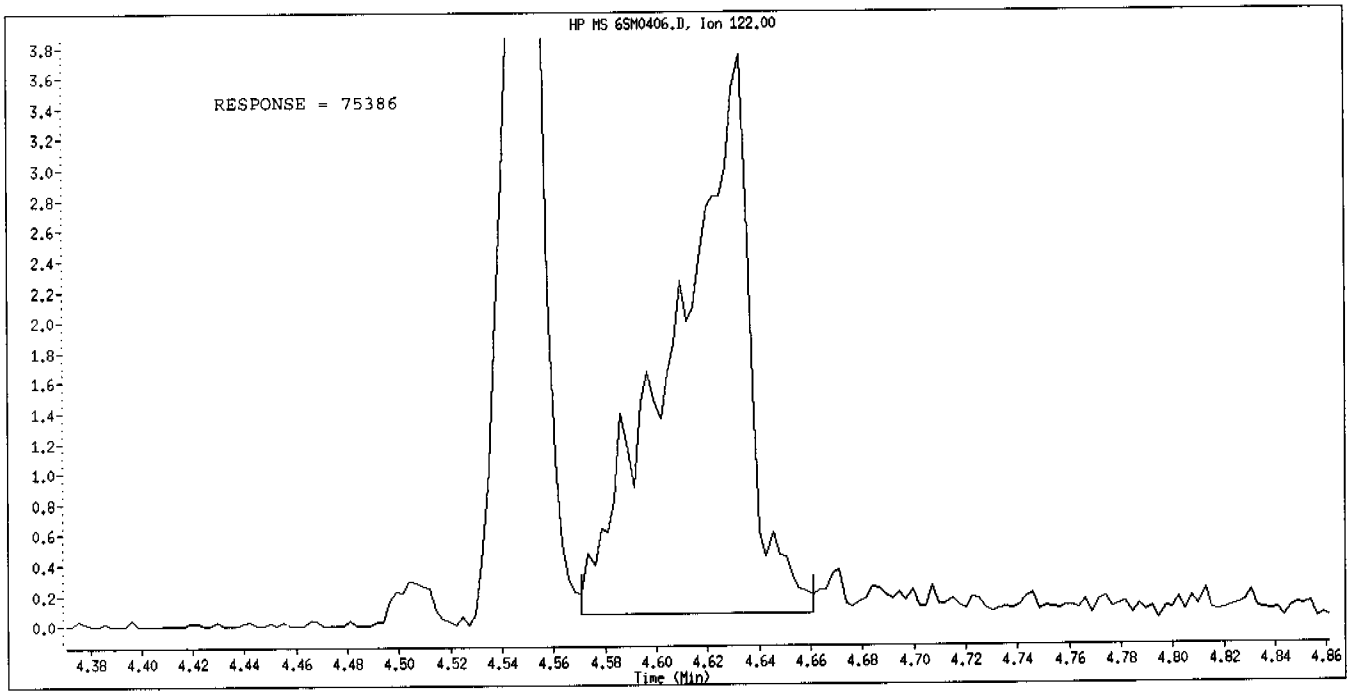
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SM0406.D
Inj. Date and Time: 06-APR-2004 15:08
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/07/2004



Original Integration

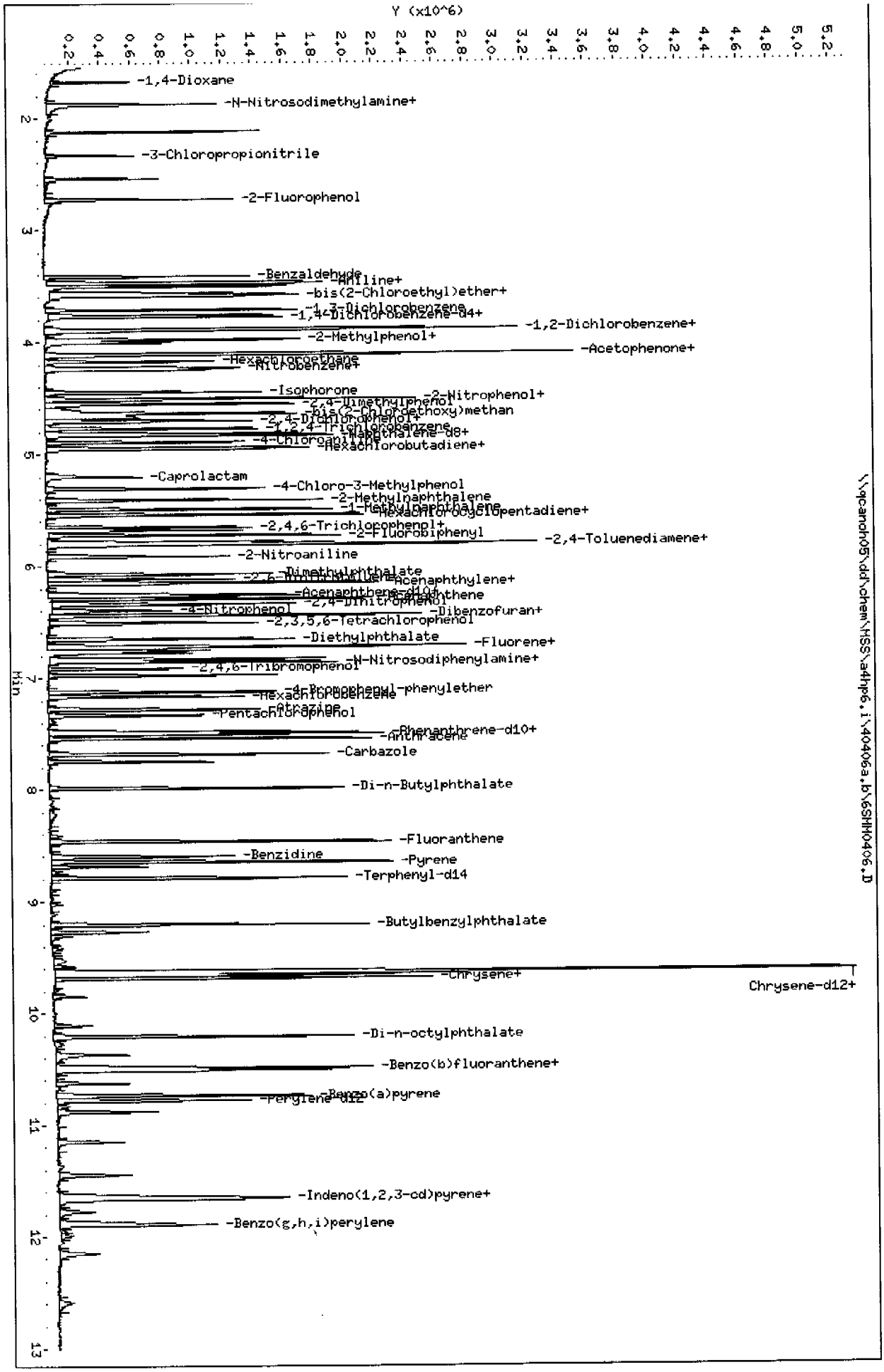


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SHH0406.D
Date : 06-APR-2004 14:47
Client ID:
Sample Info: 15,40406a.b,8270p,3-827042,sub,1,,5
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SMM0406.D
Lab Smp Id: 15
Inj Date : 06-APR-2004 14:47 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 15,40406a.b,8270p,3-827042.sub,1,,5
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 11:43 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 18:18 Cal File: 6AHHH406.D
Calibration Sample, Level: 5
Als bottle: 2
Dil Factor: 1.00000 Compound Sublist: 3-827042.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.759	3.759	(1.000)	133415	2.00000	
* 2 Naphthalene-d8	136	4.816	4.816	(1.000)	521806	2.00000	
* 3 Acenaphthene-d10	164	6.269	6.269	(1.000)	303595	2.00000	
* 4 Phenanthrene-d10	188	7.483	7.483	(1.000)	548245	2.00000	
* 5 Chrysene-d12	240	9.638	9.638	(1.000)	531865	2.00000	
* 6 Perylene-d12	264	10.780	10.780	(1.000)	374220	2.00000	
198 1,4-Dioxane	88	1.671	1.671	(0.445)	142130	2.50000	2.5705
9 Pyridine	79	1.875	1.875	(0.499)	331343	2.50000	2.4801(H)
10 N-Nitrosodimethylamine	74	1.869	1.869	(0.497)	240285	2.50000	2.4087
12 3-Chloropropionitrile	54	2.335	2.335	(0.621)	125202	2.50000	2.4656
209 Benzaldehyde	77	3.412	3.412	(0.908)	273404	2.50000	2.6892
21 Aniline	93	3.502	3.502	(0.932)	526176	2.50000	2.6168
22 Phenol	94	3.477	3.477	(0.925)	429228	2.50000	2.6066
23 bis(2-Chloroethyl)ether	93	3.559	3.559	(0.947)	326110	2.50000	2.6997
24 2-Chlorophenol	128	3.587	3.587	(0.954)	228898	2.50000	2.5904
26 1,3-Dichlorobenzene	146	3.711	3.711	(0.987)	220297	2.50000	2.6038
27 1,4-Dichlorobenzene	146	3.772	3.772	(1.003)	203422	2.50000	2.6005
28 1,2-Dichlorobenzene	146	3.898	3.898	(1.037)	206134	2.50000	2.5968
29 Benzyl Alcohol	108	3.885	3.885	(1.034)	207365	2.50000	2.7282
30 2-Methylphenol	108	3.978	3.978	(1.058)	293618	2.50000	2.6802
31 bis(2-Chloroisopropyl)ether	45	3.999	3.999	(1.064)	257517	2.50000	2.7146
37 Acetophenone	105	4.107	4.107	(1.092)	409231	2.50000	2.6735
32 N-Nitroso-di-n-propylamine	70	4.117	4.117	(1.095)	323132	2.50000	2.6116
192 4-Methylphenol	108	4.109	4.109	(1.093)	299865	2.50000	2.8351
34 Hexachloroethane	117	4.171	4.171	(1.109)	107773	2.50000	2.6291
35 Nitrobenzene	77	4.245	4.245	(0.881)	457921	2.50000	2.5244
41 Isophorone	82	4.449	4.449	(0.924)	746716	2.50000	2.6566
42 2-Nitrophenol	139	4.508	4.508	(0.936)	130630	2.50000	2.6069
43 2,4-Dimethylphenol	107	4.554	4.554	(0.946)	317751	2.50000	2.5385
44 bis(2-Chloroethoxy)methane	93	4.639	4.639	(0.963)	391001	2.50000	2.5601
46 2,4-Toluenediamene	121	5.801	5.801	(1.204)	102477	2.50000	4.5563
47 1,3,5-Trichlorobenzene	180	4.510	4.510	(0.936)	194890	2.50000	2.5270
48 2,4-Dichlorophenol	162	4.703	4.703	(0.977)	190282	2.50000	2.6083

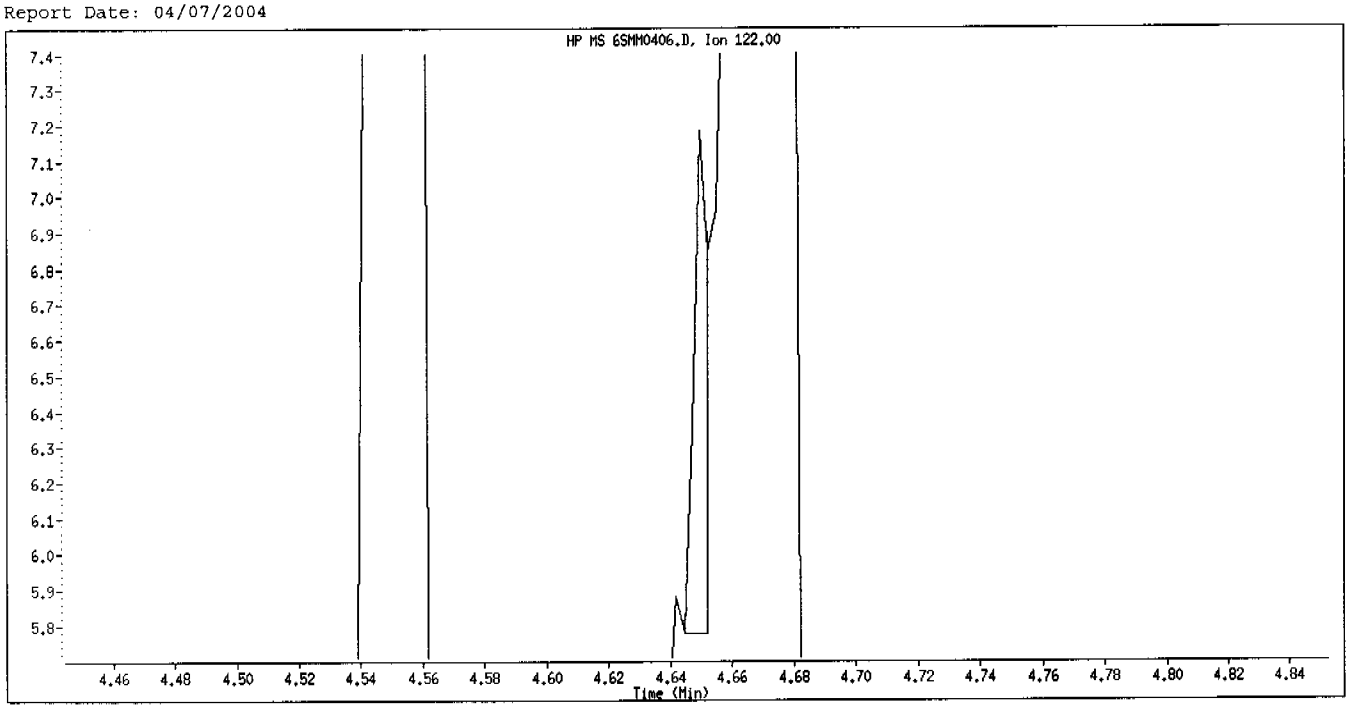
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.675	4.675	(0.971)	313500	5.00000	5.4450(M)
50 1,2,4-Trichlorobenzene	180	4.773	4.773	(0.991)	188486	2.50000	2.4781
51 Naphthalene	128	4.834	4.834	(1.004)	660303	2.50000	2.5016
52 4-Chloroaniline	127	4.893	4.893	(1.016)	279565	2.50000	2.5742
56 Hexachlorobutadiene	225	4.945	4.945	(1.027)	113826	2.50000	2.5482
210 Caprolactam	113	5.202	5.202	(1.080)	90114	2.50000	2.5608
57 1,2,3-Trichlorobenzene	180	4.958	4.958	(1.029)	181509	2.50000	2.5897
59 4-Chloro-3-Methylphenol	107	5.307	5.307	(1.102)	286909	2.50000	2.7327
62 2-Methylnaphthalene	142	5.413	5.413	(1.124)	423996	2.50000	2.5527
63 1-Methylnaphthalene	142	5.493	5.493	(1.140)	406060	2.50000	2.5217
64 Hexachlorocyclopentadiene	237	5.544	5.544	(0.884)	145279	2.50000	2.5747
66 2,4,6-Trichlorophenol	196	5.652	5.652	(0.902)	156704	2.50000	2.4339
67 2,4,5-Trichlorophenol	196	5.680	5.680	(0.906)	146716	2.50000	2.5778
211 1,1'-Biphenyl	154	5.804	5.804	(0.926)	527147	2.50000	2.4891
68 1,2,3,5-Tetrachlorobenzene	216	5.539	5.539	(0.884)	188656	2.50000	2.5136
70 2-Chloronaphthalene	162	5.814	5.814	(0.927)	392792	2.50000	2.4933
73 2-Nitroaniline	65	5.912	5.912	(0.943)	244334	2.50000	2.6835
74 1,2,3,4-Tetrachlorobenzene	216	5.783	5.783	(0.922)	187889	2.50000	2.6354
76 Dimethylphthalate	163	6.074	6.074	(0.969)	465197	2.50000	2.5004
78 2,6-Dinitrotoluene	165	6.120	6.120	(0.976)	102208	2.50000	2.5332
79 Acenaphthylene	152	6.151	6.151	(0.981)	701873	2.50000	2.5949
80 1,2-Dinitrobenzene	168	6.161	6.161	(0.983)	60650	2.50000	2.8013
81 3-Nitroaniline	138	6.254	6.254	(0.998)	122085	2.50000	2.5574
82 Acenaphthene	153	6.295	6.295	(1.004)	445752	2.50000	2.5202
83 2,4-Dinitrophenol	184	6.341	6.341	(1.011)	174143	5.00000	5.0026
85 4-Nitrophenol	109	6.398	6.398	(1.021)	106579	2.50000	2.6820
86 Dibenzofuran	168	6.439	6.439	(1.027)	607029	2.50000	2.4912
87 2,4-Dinitrotoluene	165	6.449	6.449	(1.029)	150342	2.50000	2.5852
91 2,3,5,6-Tetrachlorophenol	232	6.508	6.508	(1.038)	136911	2.50000	2.6318
93 Diethylphthalate	149	6.655	6.655	(1.062)	499843	2.50000	2.5249
94 Fluorene	166	6.719	6.719	(1.072)	478152	2.50000	2.5230
95 4-Chlorophenyl-phenylether	204	6.729	6.729	(1.073)	247644	2.50000	2.4940
96 4-Nitroaniline	138	6.755	6.755	(1.078)	104456	2.50000	2.1728
98 4,6-Dinitro-2-methylphenol	198	6.776	6.776	(0.906)	106490	2.50000	2.6186
99 N-Nitrosodiphenylamine	169	6.832	6.832	(0.913)	367882	2.50000	2.5346
100 1,2-Diphenylhydrazine	77	6.858	6.858	(0.916)	908523	2.50000	2.4579
106 4-Bromophenyl-phenylether	248	7.128	7.128	(0.953)	132193	2.50000	2.6358
107 Hexachlorobenzene	284	7.167	7.167	(0.958)	122934	2.50000	2.5209
212 Atrazine	200	7.282	7.282	(0.973)	136385	2.50000	2.5941
111 Pentachlorophenol	266	7.334	7.334	(0.980)	97371	2.50000	2.6588
115 Phenanthrene	178	7.501	7.501	(1.002)	706622	2.50000	2.5129
116 Anthracene	178	7.542	7.542	(1.008)	705649	2.50000	2.5520
119 Carbazole	167	7.683	7.683	(1.027)	655345	2.50000	2.5470
120 Di-n-Butylphthalate	149	7.989	7.989	(1.068)	832275	2.50000	2.5893
123 Fluoranthene	202	8.468	8.468	(1.132)	822725	2.50000	2.5610
124 Benzidine	184	8.599	8.599	(0.892)	427415	2.50000	2.4400
125 Pyrene	202	8.650	8.650	(0.898)	852260	2.50000	2.4743
131 Butylbenzylphthalate	149	9.206	9.206	(0.955)	374184	2.50000	2.5527
133 3,3'-Dimethoxybenzidine	244	9.620	9.620	(0.998)	172648	2.50000	2.5947
135 3,3'-Dichlorobenzidine	252	9.625	9.625	(0.999)	281123	2.50000	2.5982
136 Benzo(a)Anthracene	228	9.630	9.630	(0.999)	815130	2.50000	2.2847
137 Chrysene	228	9.658	9.658	(1.002)	718338	2.50000	2.7417
138 4,4'-Methylene bis(o-chloroan	231	9.633	9.633	(0.999)	151375	2.50000	2.6048
139 bis(2-ethylhexyl)Phthalate	149	9.684	9.684	(1.005)	544075	2.50000	2.5510

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.209	10.209	(0.947)	870425	2.50000	2.5463
141 Benzo(b)fluoranthene	252	10.492	10.492	(0.973)	920487	2.50000	2.6906
142 Benzo(k)fluoranthene	252	10.512	10.512	(0.975)	551393	2.50000	2.3373
146 Benzo(a)pyrene	252	10.738	10.738	(0.996)	660267	2.50000	2.5118
149 Indeno(1,2,3-cd)pyrene	276	11.646	11.646	(1.080)	737494	2.50000	2.6442
150 Dibenz(a,h)anthracene	278	11.662	11.662	(1.082)	611451	2.50000	2.5950
151 Benzo(g,h,i)perylene	276	11.888	11.888	(1.103)	612993	2.50000	2.5943
$ 154 Nitrobenzene-d5	82	4.230	4.230	(0.878)	429421	2.50000	2.5627
$ 155 2-Fluorobiphenyl	172	5.724	5.724	(0.913)	501800	2.50000	2.4559
$ 156 Terphenyl-d14	244	8.792	8.792	(0.912)	505827	2.50000	2.4892
$ 157 Phenol-d5	99	3.466	3.466	(0.922)	374902	2.50000	2.5563
$ 158 2-Fluorophenol	112	2.728	2.728	(0.726)	236843	2.50000	2.4942
$ 159 2,4,6-Tribromophenol	330	6.917	6.917	(1.103)	56972	2.50000	2.6521
$ 186 2-Chlorophenol-d4	132	3.572	3.572	(0.950)	229365	2.50000	2.6117
$ 187 1,2-Dichlorobenzene-d4	152	3.885	3.885	(1.034)	136484	2.50000	2.5817
101 Diphenylamine	169	6.832	6.832	(0.913)	367882	2.50000	2.6105

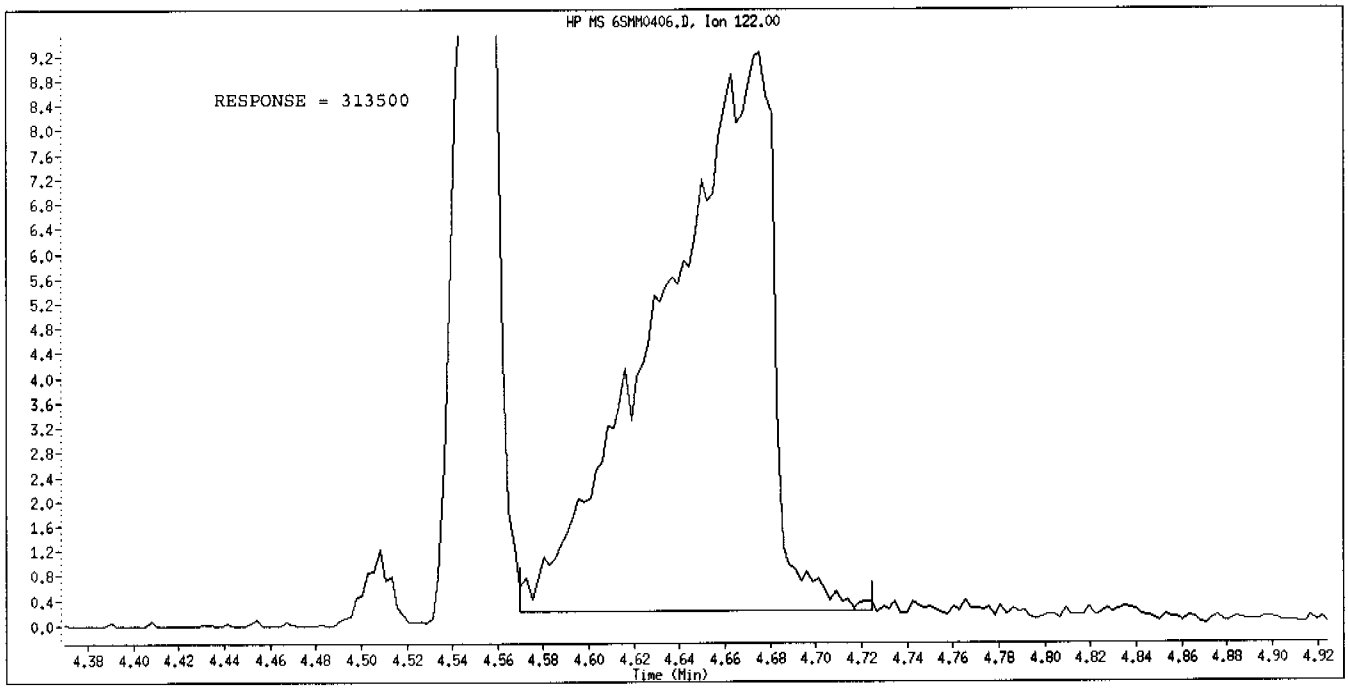
QC Flag Legend

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

Data File Name: 6SMM0406.D
Inj. Date and Time: 06-APR-2004 14:47
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/07/2004



Original Integration

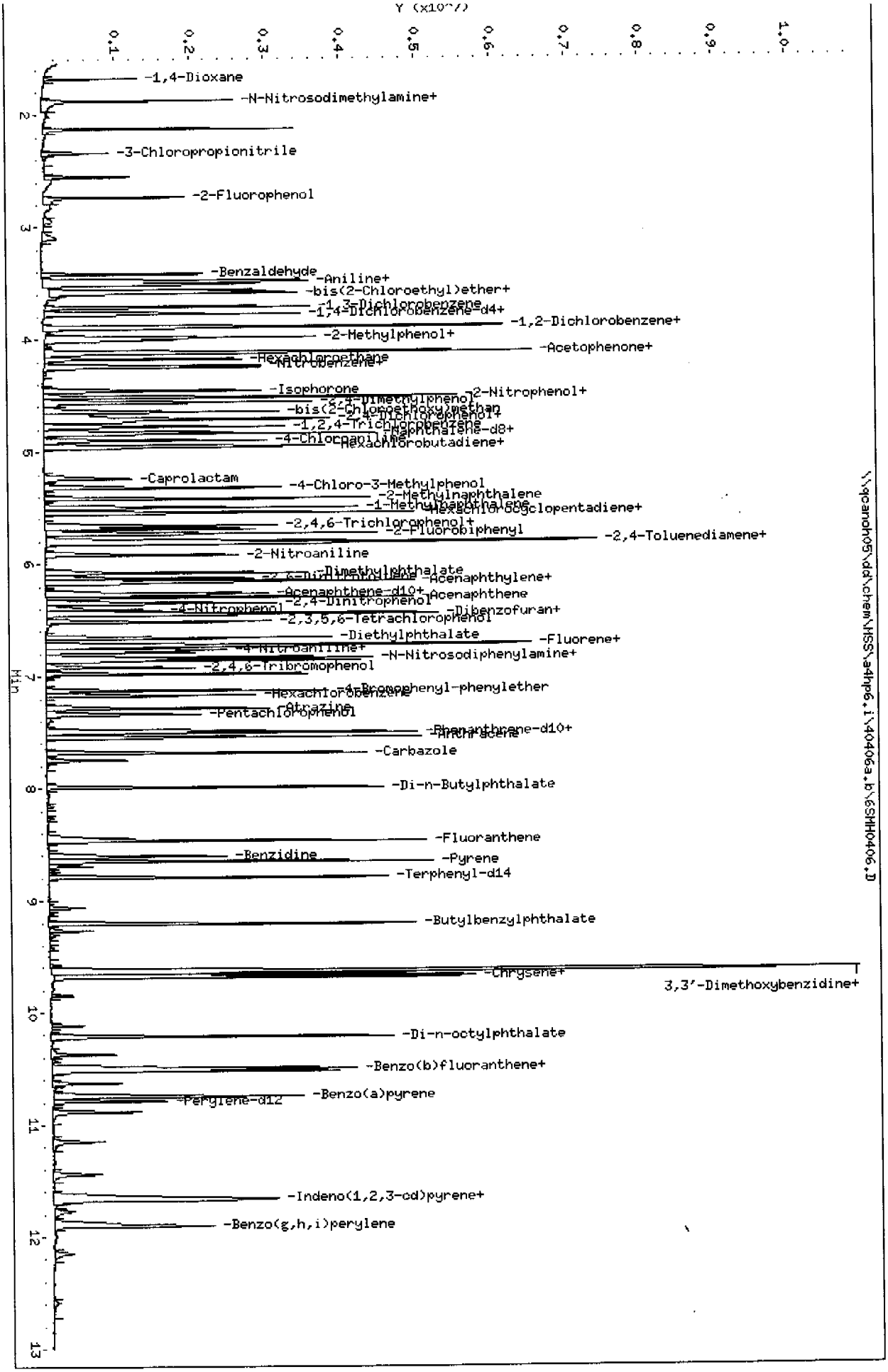


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40406a.b\6SHH0406.D
Date : 06-APR-2004 16:32
Client ID:
Sample Info: 16,40406a,b,8270p,3-827042,sub,1,,6
Column phase: db5,625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SMH0406.D
Lab Smp Id: 16
Inj Date : 06-APR-2004 16:32
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 16,40406a.b,8270p,3-827042.sub,1,,6
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:51 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 16:11 Cal File: 6SLL0406.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.760	3.760	(1.000)	166540	2.00000	
* 2 Naphthalene-d8	136	4.820	4.820	(1.000)	615126	2.00000	
* 3 Acenaphthene-d10	164	6.273	6.273	(1.000)	358832	2.00000	
* 4 Phenanthrene-d10	188	7.484	7.484	(1.000)	644562	2.00000	
* 5 Chrysene-d12	240	9.644	9.644	(1.000)	588591	2.00000	(M)
* 6 Perylene-d12	264	10.783	10.783	(1.000)	422076	2.00000	
198 1,4-Dioxane	88	1.680	1.680	(0.447)	310592	5.00000	4.2279
9 Pyridine	79	1.875	1.875	(0.499)	694413	5.00000	4.3996(H)
10 N-Nitrosodimethylamine	74	1.873	1.873	(0.498)	449358	5.00000	3.4038
12 3-Chloropropionitrile	54	2.338	2.338	(0.622)	233762	5.00000	3.4561
209 Benzaldehyde	77	3.416	3.416	(0.908)	517331	5.00000	3.5793
21 Aniline	93	3.511	3.511	(0.934)	1194946	5.00000	4.6371
22 Phenol	94	3.488	3.488	(0.928)	963758	5.00000	4.5267
23 bis(2-Chloroethyl)ether	93	3.565	3.565	(0.948)	713748	5.00000	4.5196
24 2-Chlorophenol	128	3.591	3.591	(0.955)	525734	5.00000	4.6389
26 1,3-Dichlorobenzene	146	3.714	3.714	(0.988)	518867	5.00000	4.7326
27 1,4-Dichlorobenzene	146	3.776	3.776	(1.004)	468616	5.00000	4.5735
28 1,2-Dichlorobenzene	146	3.899	3.899	(1.037)	487699	5.00000	4.7111
29 Benzyl Alcohol	108	3.894	3.894	(1.036)	442345	5.00000	4.5213
30 2-Methylphenol	108	3.984	3.984	(1.059)	659538	5.00000	4.6954
31 bis(2-Chloroisopropyl)ether	45	4.005	4.005	(1.065)	567509	5.00000	4.6062
37 Acetophenone	105	4.113	4.113	(1.094)	891372	5.00000	4.4793
32 N-Nitroso-di-n-propylamine	70	4.125	4.125	(1.097)	725906	5.00000	4.4960
192 4-Methylphenol	108	4.118	4.118	(1.095)	536710	5.00000	3.7155(H)
34 Hexachloroethane	117	4.174	4.174	(1.110)	247621	5.00000	4.6864
35 Nitrobenzene	77	4.249	4.249	(0.882)	1028264	5.00000	4.7907
41 Isophorone	82	4.457	4.457	(0.925)	1348738	5.00000	4.0022
42 2-Nitrophenol	139	4.514	4.514	(0.937)	305124	5.00000	5.2871
43 2,4-Dimethylphenol	107	4.557	4.557	(0.946)	721672	5.00000	4.9935
44 bis(2-Chloroethoxy)methane	93	4.642	4.642	(0.963)	875061	5.00000	4.8533
46 2,4-Toluenediamene	121	5.805	5.805	(1.204)	205323	5.00000	3.9527
47 1,3,5-Trichlorobenzene	180	4.514	4.514	(0.937)	443398	5.00000	4.8432
48 2,4-Dichlorophenol	162	4.709	4.709	(0.977)	432581	5.00000	5.1401

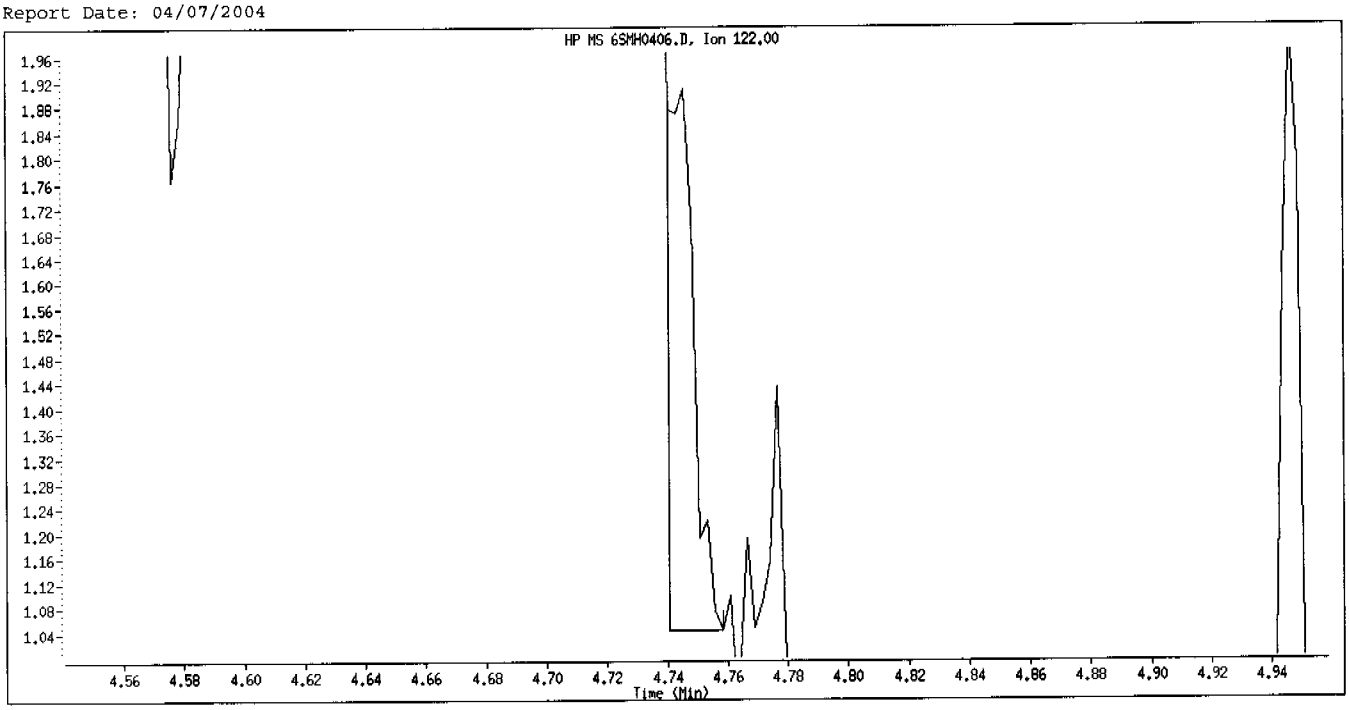
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.730	4.730	(0.981)	683706	10.0000	10.931(QM)
50 1,2,4-Trichlorobenzene	180	4.776	4.776	(0.991)	444605	5.00000	4.9292
51 Naphthalene	128	4.838	4.838	(1.004)	1533473	5.00000	4.9533
52 4-Chloroaniline	127	4.899	4.899	(1.017)	664546	5.00000	5.3372
56 Hexachlorobutadiene	225	4.946	4.946	(1.026)	259046	5.00000	4.9216
210 Caprolactam	113	5.236	5.236	(1.086)	209887	5.00000	5.3005(H)
57 1,2,3-Trichlorobenzene	180	4.959	4.959	(1.029)	417476	5.00000	5.1692
59 4-Chloro-3-Methylphenol	107	5.319	5.319	(1.103)	607342	5.00000	5.0681(H)
62 2-Methylnaphthalene	142	5.414	5.414	(1.123)	991664	5.00000	5.1176
63 1-Methylnaphthalene	142	5.496	5.496	(1.140)	938796	5.00000	4.9495
64 Hexachlorocyclopentadiene	237	5.547	5.547	(0.884)	319064	5.00000	4.7340
66 2,4,6-Trichlorophenol	196	5.658	5.658	(0.902)	404616	5.00000	5.4341(Q)
67 2,4,5-Trichlorophenol	196	5.686	5.686	(0.907)	318443	5.00000	4.7389
211 1,1'-Biphenyl	154	5.807	5.807	(0.926)	1231751	5.00000	4.9078
68 1,2,3,5-Tetrachlorobenzene	216	5.542	5.542	(0.884)	435909	5.00000	4.9086
70 2-Chloronaphthalene	162	5.817	5.817	(0.927)	916318	5.00000	4.9182
73 2-Nitroaniline	65	5.918	5.918	(0.943)	560233	5.00000	5.4491
74 1,2,3,4-Tetrachlorobenzene	216	5.789	5.789	(0.923)	413412	5.00000	4.9589
76 Dimethylphthalate	163	6.080	6.080	(0.969)	1092556	5.00000	5.0297
78 2,6-Dinitrotoluene	165	6.126	6.126	(0.977)	247359	5.00000	5.4511(Q)
79 Acenaphthylene	152	6.154	6.154	(0.981)	1619444	5.00000	5.1919
80 1,2-Dinitrobenzene	168	6.170	6.170	(0.984)	114895	5.00000	4.7847(QH)
81 3-Nitroaniline	138	6.262	6.262	(0.998)	289774	5.00000	5.2750(Q)
82 Acenaphthene	153	6.301	6.301	(1.004)	1040178	5.00000	4.9746
83 2,4-Dinitrophenol	184	6.350	6.350	(1.012)	427172	10.0000	11.786
85 4-Nitrophenol	109	6.409	6.409	(1.022)	247749	5.00000	5.4958(Q)
86 Dibenzofuran	168	6.442	6.442	(1.027)	1429712	5.00000	4.9850
87 2,4-Dinitrotoluene	165	6.455	6.455	(1.029)	359750	5.00000	5.3041(Q)
91 2,3,5,6-Tetrachlorophenol	232	6.512	6.512	(1.038)	317990	5.00000	5.4741
93 Diethylphthalate	149	6.658	6.658	(1.061)	1143846	5.00000	4.8892
94 Fluorene	166	6.723	6.723	(1.072)	1101226	5.00000	4.9206
95 4-Chlorophenyl-phenylether	204	6.730	6.730	(1.073)	572322	5.00000	4.8097
96 4-Nitroaniline	138	6.766	6.766	(1.079)	328498	5.00000	6.5442(Q)
98 4,6-Dinitro-2-methylphenol	198	6.784	6.784	(0.907)	255060	5.00000	5.4427
99 N-Nitrosodiphenylamine	169	6.836	6.836	(0.913)	858271	5.00000	5.0545
100 1,2-Diphenylhydrazine	77	6.861	6.861	(0.917)	2333545	5.00000	5.5497
106 4-Bromophenyl-phenylether	248	7.129	7.129	(0.953)	299428	5.00000	5.1117
107 Hexachlorobenzene	284	7.170	7.170	(0.958)	283927	5.00000	4.8609
212 Atrazine	200	7.288	7.288	(0.974)	310342	5.00000	4.9441
111 Pentachlorophenol	266	7.337	7.337	(0.980)	213327	5.00000	5.5442
115 Phenanthrene	178	7.504	7.504	(1.003)	1647735	5.00000	4.9784
116 Anthracene	178	7.545	7.545	(1.008)	1634978	5.00000	5.0432
119 Carbazole	167	7.687	7.687	(1.027)	1541338	5.00000	5.2188
120 Di-n-Butylphthalate	149	7.993	7.993	(1.068)	1949075	5.00000	5.3517
123 Fluoranthene	202	8.471	8.471	(1.132)	1900475	5.00000	5.0532(Q)
124 Benzidine	184	8.605	8.605	(0.892)	1016824	5.00000	5.7802
125 Pyrene	202	8.654	8.654	(0.897)	1962716	5.00000	5.2527
131 Butylbenzylphthalate	149	9.209	9.209	(0.955)	882083	5.00000	5.8516
133 3,3'-Dimethoxybenzidine	244	9.626	9.626	(0.998)	344546	5.00000	4.7950
135 3,3'-Dichlorobenzidine	252	9.631	9.631	(0.999)	617610	5.00000	5.3582
136 Benzo(a)Anthracene	228	9.636	9.636	(0.999)	2033105	5.00000	5.1497
137 Chrysene	228	9.667	9.667	(1.002)	1466621	5.00000	5.2489
138 4,4'-Methylene bis(o-chloroan	231	9.636	9.636	(0.999)	335721	5.00000	5.4135(Q)
139 bis(2-ethylhexyl)Phthalate	149	9.685	9.685	(1.004)	1228442	5.00000	5.4497

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.212	10.212	(0.947)	2022011	5.00000	5.5997
141 Benzo(b)fluoranthene	252	10.498	10.498	(0.974)	2061191	5.00000	5.5147
142 Benzo(k)fluoranthene	252	10.518	10.518	(0.975)	1270863	5.00000	4.9560(H)
146 Benzo(a)pyrene	252	10.744	10.744	(0.996)	1482459	5.00000	5.0907
149 Indeno(1,2,3-cd)pyrene	276	11.657	11.657	(1.081)	1666474	5.00000	5.5593(Q)
150 Dibenz(a,h)anthracene	278	11.675	11.675	(1.083)	1406747	5.00000	5.5653
151 Benzo(g,h,i)perylene	276	11.904	11.904	(1.104)	1385648	5.00000	5.4212
$ 154 Nitrobenzene-d5	82	4.233	4.233	(0.878)	965516	5.00000	4.9148
$ 155 2-Fluorobiphenyl	172	5.727	5.727	(0.913)	1164265	5.00000	4.7551
$ 156 Terphenyl-d14	244	8.795	8.795	(0.912)	1173571	5.00000	5.3479
$ 157 Phenol-d5	99	3.475	3.475	(0.924)	846556	5.00000	4.5071
$ 158 2-Fluorophenol	112	2.732	2.732	(0.726)	431528	5.00000	3.4117
$ 159 2,4,6-Tribromophenol	330	6.921	6.921	(1.103)	125897	5.00000	4.9456(Q)
$ 186 2-Chlorophenol-d4	132	3.578	3.578	(0.951)	513561	5.00000	4.5147
$ 187 1,2-Dichlorobenzene-d4	152	3.889	3.889	(1.034)	321980	5.00000	4.6837
101 Diphenylamine	169	6.836	6.836	(0.913)	858271	5.00000	5.3272

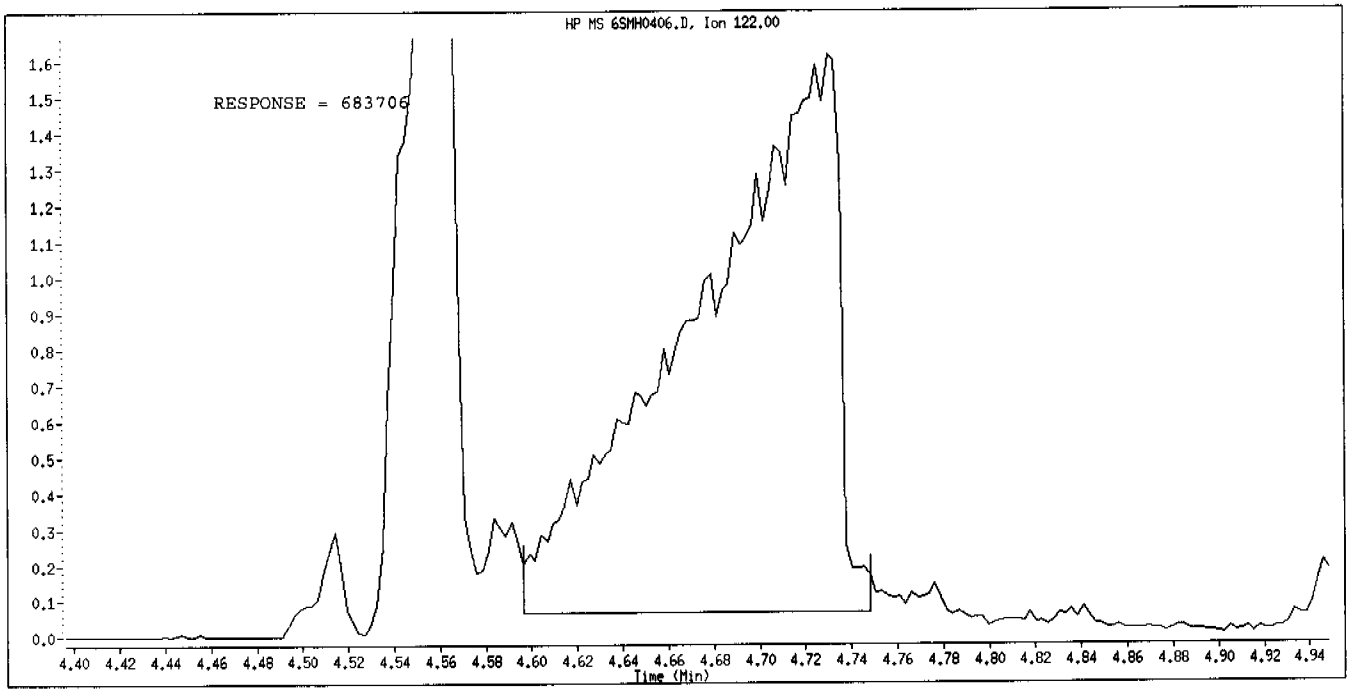
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SMH0406.D
Inj. Date and Time: 06-APR-2004 16:32
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/07/2004



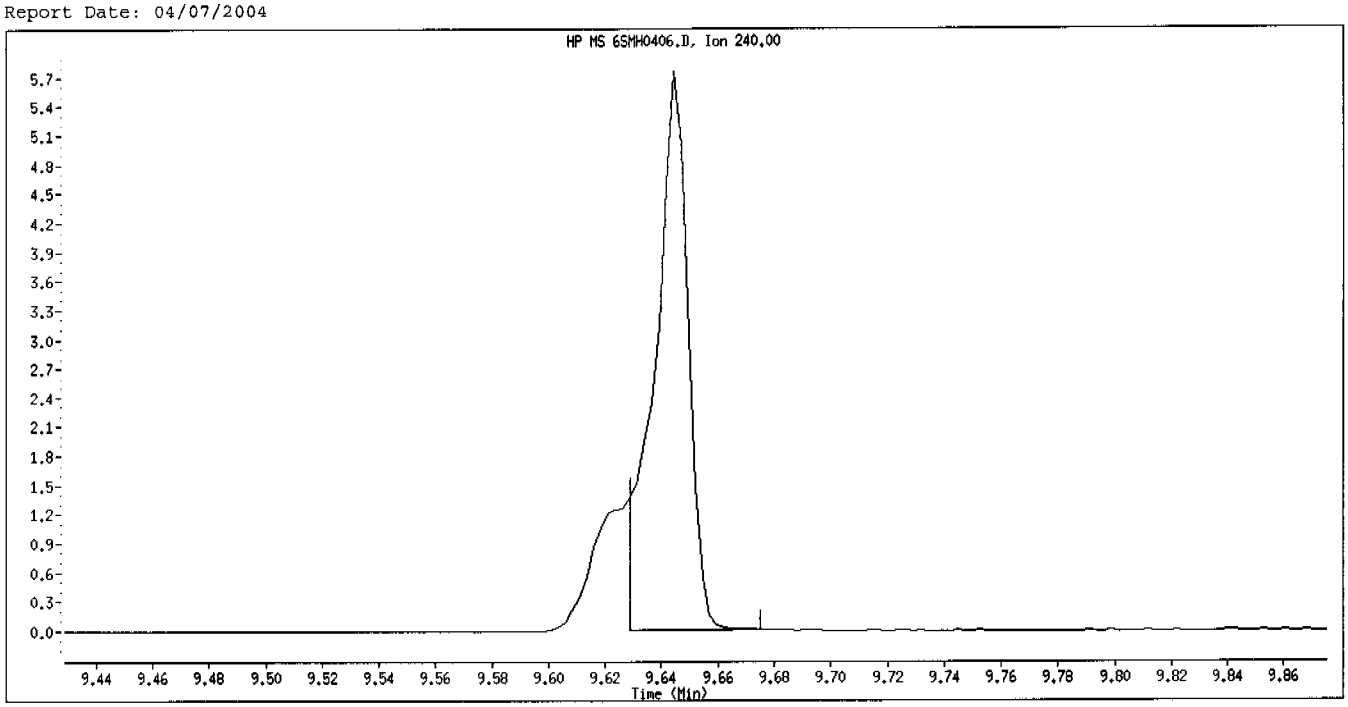
Original Integration



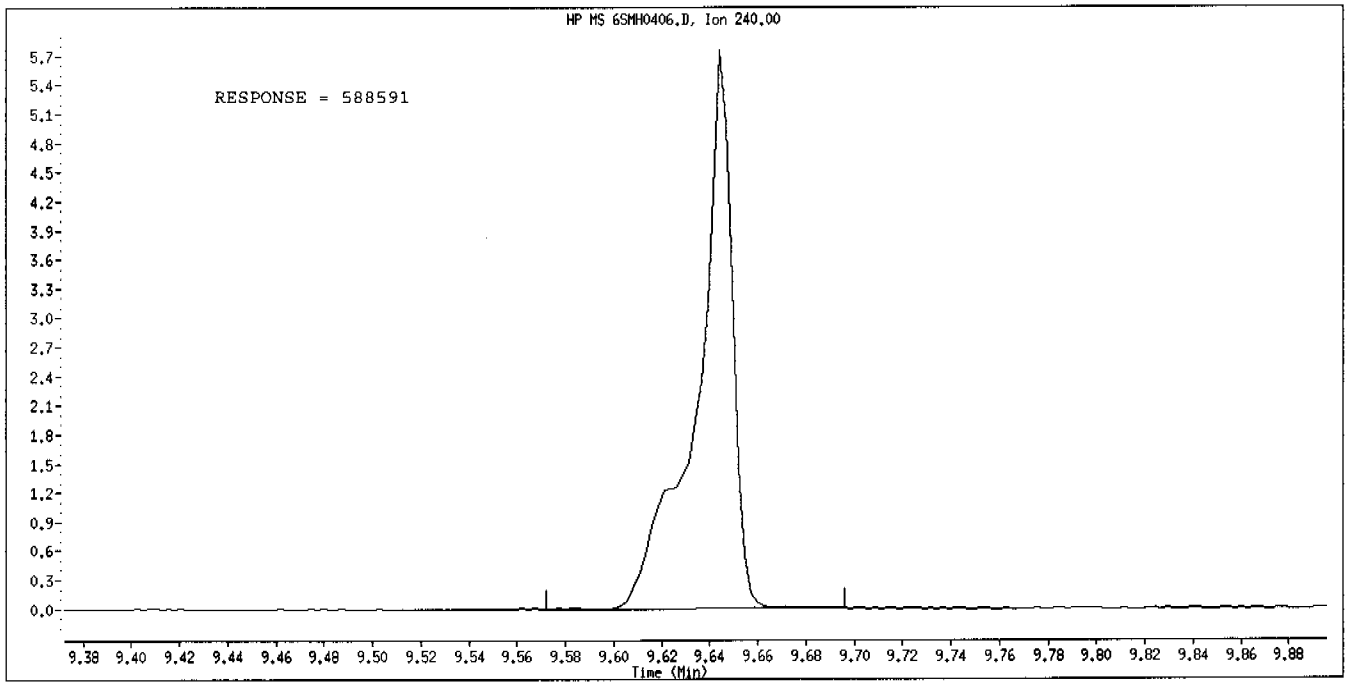
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SMH0406.D
Inj. Date and Time: 06-APR-2004 16:32
Instrument ID: a4hp6.i
Client ID:
Compound Name: Chrysene-d12
CAS #: 1719-03-5
Report Date: 04/07/2004



Original Integration

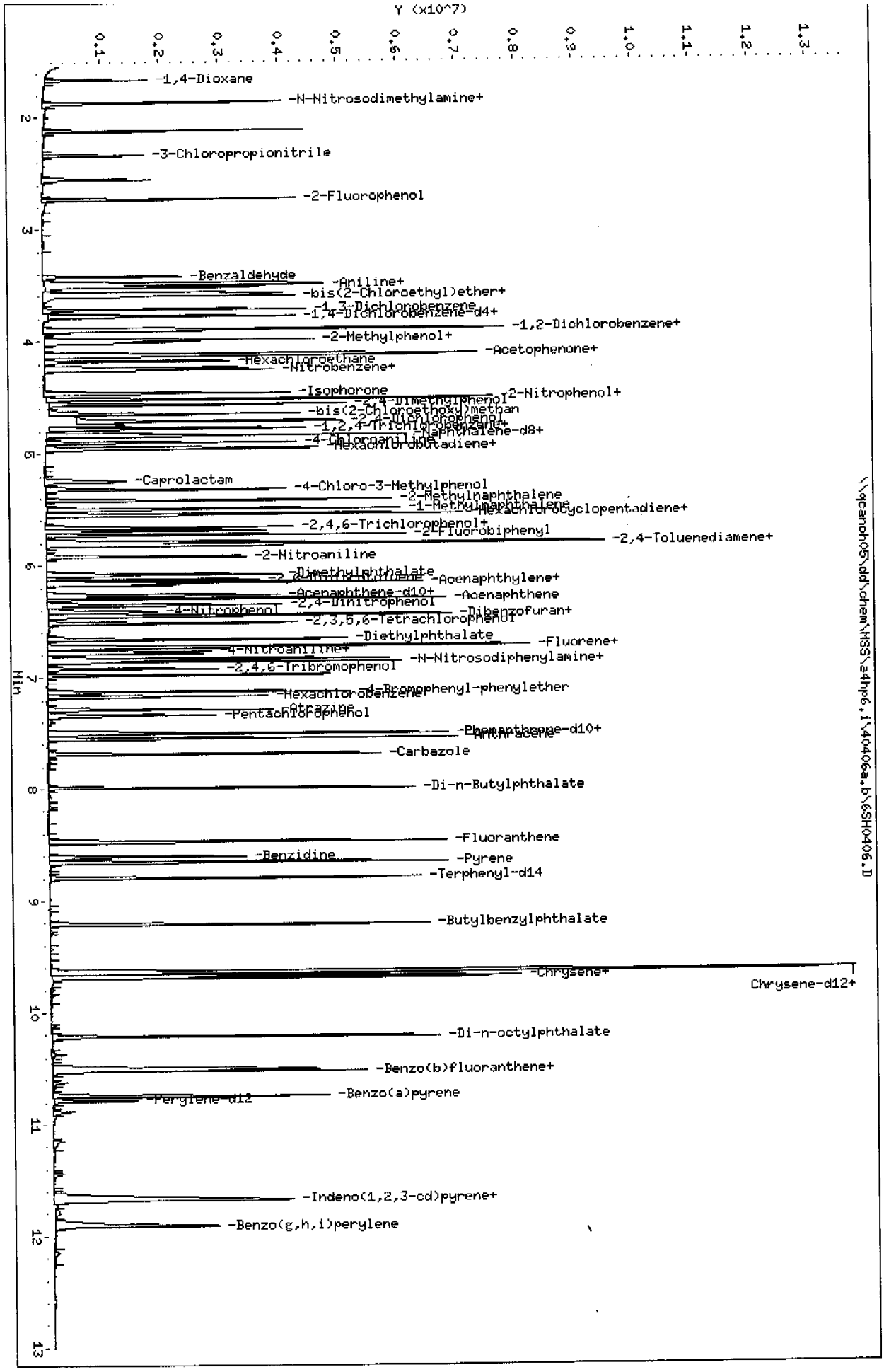


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SH0406.D
Date : 06-APR-2004 16:53
Client ID:
Sample Info: I7,40406a,b,8270p,3-827042,sub,1,,7
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SH0406.D
Lab Smp Id: 17
Inj Date : 06-APR-2004 16:53
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 17,40406a.b,8270p,3-827042.sub,1,,7
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:51 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 16:32 Cal File: 6SMH0406.D
Calibration Sample, Level: 7
Als bottle: 8
Dil Factor: 1.00000
Compound Sublist: 3-827042.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.760	3.760	(1.000)	133986	2.00000	
* 2 Naphthalene-d8	136	4.820	4.820	(1.000)	481014	2.00000	
* 3 Acenaphthene-d10	164	6.272	6.272	(1.000)	278349	2.00000	
* 4 Phenanthrene-d10	188	7.484	7.484	(1.000)	503307	2.00000	
* 5 Chrysene-d12	240	9.646	9.646	(1.000)	453807	2.00000	
* 6 Perylene-d12	264	10.785	10.785	(1.000)	321263	2.00000	
198 1,4-Dioxane	88	1.664	1.664	(0.443)	389430	7.50000	6.7990
9 Pyridine	79	1.862	1.862	(0.495)	1106660	7.50000	9.0784(H)
10 N-Nitrosodimethylamine	74	1.873	1.873	(0.498)	775666	7.50000	7.8011
12 3-Chloropropionitrile	54	2.341	2.341	(0.623)	383382	7.50000	7.5091
209 Benzaldehyde	77	3.418	3.418	(0.909)	565727	7.50000	5.1583
21 Aniline	93	3.513	3.513	(0.934)	1484806	7.50000	7.2674
22 Phenol	94	3.490	3.490	(0.928)	1194607	7.50000	7.1088
23 bis(2-Chloroethyl)ether	93	3.567	3.567	(0.949)	870014	7.50000	6.9818
24 2-Chlorophenol	128	3.593	3.593	(0.956)	647827	7.50000	7.2092
26 1,3-Dichlorobenzene	146	3.714	3.714	(0.988)	607226	7.50000	6.9586
27 1,4-Dichlorobenzene	146	3.776	3.776	(1.004)	564847	7.50000	6.9710
28 1,2-Dichlorobenzene	146	3.899	3.899	(1.037)	563948	7.50000	6.8504
29 Benzyl Alcohol	108	3.896	3.896	(1.036)	567390	7.50000	7.3491
30 2-Methylphenol	108	3.984	3.984	(1.059)	812538	7.50000	7.2788
31 bis(2-Chloroisopropyl)ether	45	4.007	4.007	(1.066)	692638	7.50000	7.0995
37 Acetophenone	105	4.112	4.112	(1.094)	1131392	7.50000	7.2172
32 N-Nitroso-di-n-propylamine	70	4.128	4.128	(1.098)	898274	7.50000	7.0576
192 4-Methylphenol	108	4.123	4.123	(1.096)	772716	7.50000	7.0092(H)
34 Hexachloroethane	117	4.174	4.174	(1.110)	301300	7.50000	7.1778
35 Nitrobenzene	77	4.251	4.251	(0.882)	1279421	7.50000	7.6872
41 Isophorone	82	4.460	4.460	(0.925)	2076631	7.50000	8.2078
42 2-Nitrophenol	139	4.514	4.514	(0.937)	356147	7.50000	7.8023
43 2,4-Dimethylphenol	107	4.560	4.560	(0.946)	914321	7.50000	8.0925
44 bis(2-Chloroethoxy)methane	93	4.645	4.645	(0.964)	1070768	7.50000	7.6393
46 2,4-Toluenediamene	121	5.807	5.807	(1.205)	169930	7.50000	4.4146
47 1,3,5-Trichlorobenzene	180	4.514	4.514	(0.937)	538617	7.50000	7.5711
48 2,4-Dichlorophenol	162	4.712	4.712	(0.978)	521466	7.50000	7.8796

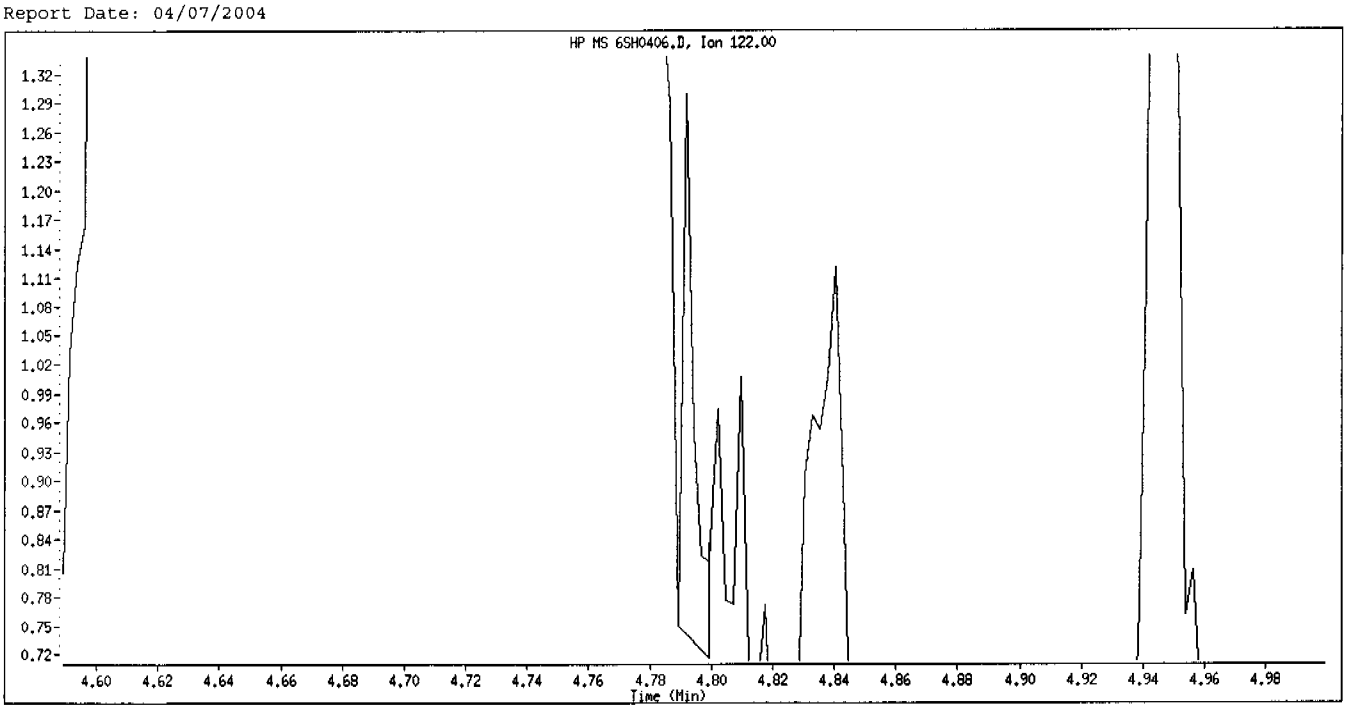
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.750	4.750	(0.986)	882281	15.0000	17.496(QM)
50 1,2,4-Trichlorobenzene	180	4.776	4.776	(0.991)	525341	7.50000	7.4693
51 Naphthalene	128	4.838	4.838	(1.004)	1877527	7.50000	7.7676
52 4-Chloroaniline	127	4.899	4.899	(1.017)	783266	7.50000	7.9376
56 Hexachlorobutadiene	225	4.948	4.948	(1.027)	313787	7.50000	7.6478
210 Caprolactam	113	5.246	5.246	(1.089)	257160	7.50000	8.1419
57 1,2,3-Trichlorobenzene	180	4.958	4.958	(1.029)	508183	7.50000	7.9926
59 4-Chloro-3-Methylphenol	107	5.318	5.318	(1.103)	786206	7.50000	8.3671
62 2-Methylnaphthalene	142	5.416	5.416	(1.124)	1171769	7.50000	7.7028
63 1-Methylnaphthalene	142	5.496	5.496	(1.140)	1127768	7.50000	7.6164
64 Hexachlorocyclopentadiene	237	5.547	5.547	(0.884)	388596	7.50000	7.5126
66 2,4,6-Trichlorophenol	196	5.658	5.658	(0.902)	428313	7.50000	7.2890
67 2,4,5-Trichlorophenol	196	5.689	5.689	(0.907)	414207	7.50000	8.0514
211 1,1'-Biphenyl	154	5.810	5.810	(0.926)	1482706	7.50000	7.6441
68 1,2,3,5-Tetrachlorobenzene	216	5.542	5.542	(0.884)	516918	7.50000	7.5315
70 2-Chloronaphthalene	162	5.817	5.817	(0.927)	1094164	7.50000	7.5957
73 2-Nitroaniline	65	5.920	5.920	(0.944)	669193	7.50000	8.2429
74 1,2,3,4-Tetrachlorobenzene	216	5.789	5.789	(0.923)	514502	7.50000	7.9690
76 Dimethylphthalate	163	6.080	6.080	(0.969)	1306693	7.50000	7.7456
78 2,6-Dinitrotoluene	165	6.128	6.128	(0.977)	298934	7.50000	8.3419
79 Acenaphthylene	152	6.157	6.157	(0.982)	1966318	7.50000	8.0751
80 1,2-Dinitrobenzene	168	6.172	6.172	(0.984)	156500	7.50000	8.4748(H)
81 3-Nitroaniline	138	6.265	6.265	(0.999)	341075	7.50000	7.9171
82 Acenaphthene	153	6.301	6.301	(1.004)	1221850	7.50000	7.5394
83 2,4-Dinitrophenol	184	6.355	6.355	(1.013)	523586	15.0000	17.577
85 4-Nitrophenol	109	6.414	6.414	(1.023)	279635	7.50000	7.7409
86 Dibenzofuran	168	6.445	6.445	(1.027)	1699778	7.50000	7.6449
87 2,4-Dinitrotoluene	165	6.458	6.458	(1.030)	427161	7.50000	7.9974
91 2,3,5,6-Tetrachlorophenol	232	6.514	6.514	(1.039)	381779	7.50000	8.2763
93 Diethylphthalate	149	6.661	6.661	(1.062)	1382089	7.50000	7.6496
94 Fluorene	166	6.725	6.725	(1.072)	1321184	7.50000	7.6305
95 4-Chlorophenyl-phenylether	204	6.733	6.733	(1.073)	672220	7.50000	7.3385
96 4-Nitroaniline	138	6.771	6.771	(1.080)	358378	7.50000	8.5441
98 4,6-Dinitro-2-methylphenol	198	6.787	6.787	(0.907)	286457	7.50000	7.6038
99 N-Nitrosodiphenylamine	169	6.838	6.838	(0.914)	1013232	7.50000	7.6252
100 1,2-Diphenylhydrazine	77	6.861	6.861	(0.917)	2485453	7.50000	7.4071
106 4-Bromophenyl-phenylether	248	7.131	7.131	(0.953)	353462	7.50000	7.6932
107 Hexachlorobenzene	284	7.172	7.172	(0.958)	330320	7.50000	7.2829
212 Atrazine	200	7.291	7.291	(0.974)	355445	7.50000	7.2722
111 Pentachlorophenol	266	7.340	7.340	(0.981)	257812	7.50000	8.3536
115 Phenanthrene	178	7.507	7.507	(1.003)	1949096	7.50000	7.5471
116 Anthracene	178	7.548	7.548	(1.009)	1943531	7.50000	7.6664
119 Carbazole	167	7.689	7.689	(1.027)	1859121	7.50000	7.9914
120 Di-n-Butylphthalate	149	7.995	7.995	(1.068)	2358040	7.50000	8.1768
123 Fluoranthene	202	8.474	8.474	(1.132)	2238234	7.50000	7.6080
124 Benzidine	184	8.607	8.607	(0.892)	1262860	7.50000	8.9613
125 Pyrene	202	8.656	8.656	(0.897)	2332987	7.50000	8.0304
131 Butylbenzylphthalate	149	9.212	9.212	(0.955)	1053830	7.50000	8.7686
133 3,3'-Dimethoxybenzidine	244	9.631	9.631	(0.998)	455009	7.50000	8.2982
135 3,3'-Dichlorobenzidine	252	9.636	9.636	(0.999)	740006	7.50000	8.2092
136 Benzo(a)Anthracene	228	9.638	9.638	(0.999)	2218297	7.50000	7.2514
137 Chrysene	228	9.669	9.669	(1.002)	1899240	7.50000	8.7435
138 4,4'-Methylene bis(o-chloroan	231	9.641	9.641	(0.999)	394637	7.50000	8.1193
139 bis(2-ethylhexyl)Phthalate	149	9.687	9.687	(1.004)	1500598	7.50000	8.4817

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.214	10.214	(0.947)	2419809	7.50000	8.5980
141 Benzo(b)fluoranthene	252	10.502	10.502	(0.974)	2205117	7.50000	7.6204
142 Benzo(k)fluoranthene	252	10.523	10.523	(0.976)	1805315	7.50000	9.2630(H)
146 Benzo(a)pyrene	252	10.749	10.749	(0.997)	1772635	7.50000	7.9732
149 Indeno(1,2,3-cd)pyrene	276	11.660	11.660	(1.081)	1961750	7.50000	8.4406
150 Dibenz(a,h)anthracene	278	11.680	11.680	(1.083)	1671559	7.50000	8.5274
151 Benzo(g,h,i)perylene	276	11.912	11.912	(1.104)	1653935	7.50000	8.3837
$ 154 Nitrobenzene-d5	82	4.236	4.236	(0.879)	1202268	7.50000	7.8485
$ 155 2-Fluorobiphenyl	172	5.727	5.727	(0.913)	1386380	7.50000	7.3596
$ 156 Terphenyl-d14	244	8.798	8.798	(0.912)	1378659	7.50000	8.0550
$ 157 Phenol-d5	99	3.477	3.477	(0.925)	1093756	7.50000	7.3590
$ 158 2-Fluorophenol	112	2.729	2.729	(0.726)	693833	7.50000	7.1995
$ 159 2,4,6-Tribromophenol	330	6.923	6.923	(1.104)	148668	7.50000	7.5492
$ 186 2-Chlorophenol-d4	132	3.578	3.578	(0.951)	646387	7.50000	7.2029
$ 187 1,2-Dichlorobenzene-d4	152	3.889	3.889	(1.034)	376752	7.50000	6.8992
101 Diphenylamine	169	6.838	6.838	(0.914)	1013232	7.50000	7.9500

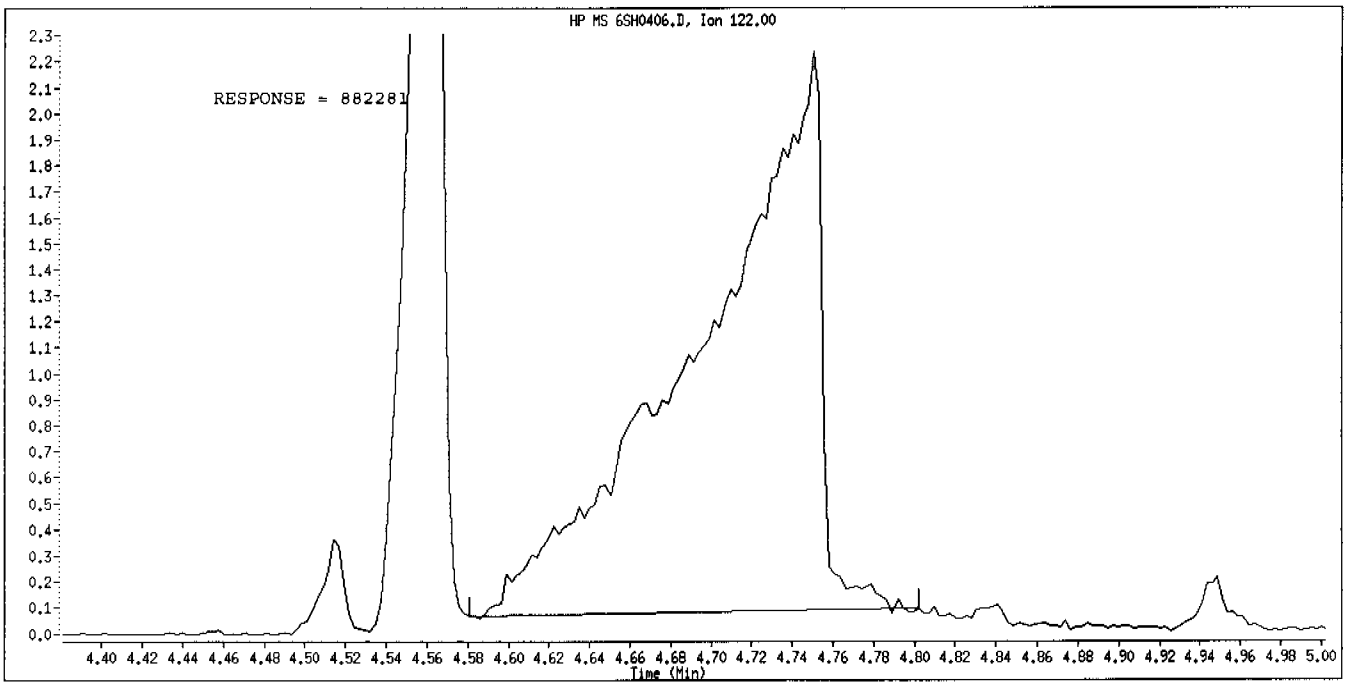
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SH0406.D
Inj. Date and Time: 06-APR-2004 16:53
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/07/2004



Original Integration

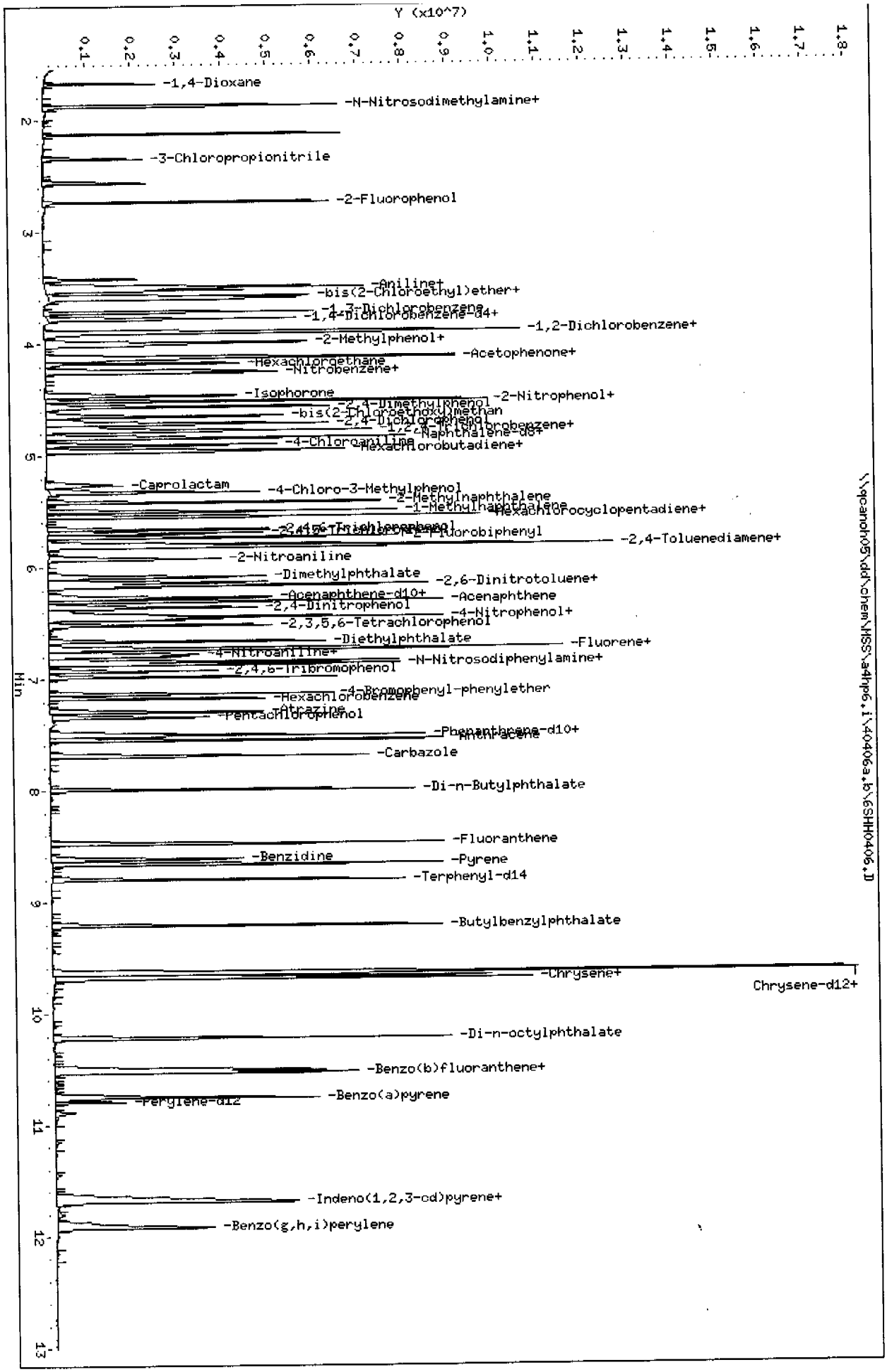


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SHH0406.D
Date : 06-APR-2004 17:15
Client ID:
Sample Info: 18,40406a,b,8270p,3-827042,sub,1,,8
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6SHH0406.D
Lab Smp Id: 18
Inj Date : 06-APR-2004 17:15
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 18,40406a.b,8270p,3-827042.sub,1,,8
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:51 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 16:53 Cal File: 6SH0406.D
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.762	3.762	(1.000)	153881	2.00000	
* 2 Naphthalene-d8	136	4.822	4.822	(1.000)	533693	2.00000	
* 3 Acenaphthene-d10	164	6.272	6.272	(1.000)	306254	2.00000	
* 4 Phenanthrene-d10	188	7.486	7.486	(1.000)	564750	2.00000	
* 5 Chrysene-d12	240	9.651	9.651	(1.000)	519588	2.00000	
* 6 Perylene-d12	264	10.788	10.788	(1.000)	358471	2.00000	
198 1,4-Dioxane	88	1.672	1.672	(0.444)	578832	10.0000	8.9384(H)
9 Pyridine	79	1.867	1.867	(0.496)	1810187	10.0000	12.284(H)
10 N-Nitrosodimethylamine	74	1.878	1.878	(0.499)	1156568	10.0000	10.061
12 3-Chloropropionitrile	54	2.346	2.346	(0.623)	580992	10.0000	9.9063
209 Benzaldehyde	77	Compound Not Detected.					
21 Aniline	93	3.518	3.518	(0.935)	2228110	10.0000	9.5449
22 Phenol	94	3.495	3.495	(0.929)	1815794	10.0000	9.4909
23 bis(2-Chloroethyl)ether	93	3.570	3.570	(0.949)	1264795	10.0000	8.9406
24 2-Chlorophenol	128	3.595	3.595	(0.956)	982074	10.0000	9.5778
26 1,3-Dichlorobenzene	146	3.716	3.716	(0.988)	889984	10.0000	8.9885
27 1,4-Dichlorobenzene	146	3.778	3.778	(1.004)	797756	10.0000	8.6745
28 1,2-Dichlorobenzene	146	3.901	3.901	(1.037)	818039	10.0000	8.7789
29 Benzyl Alcohol	108	3.899	3.899	(1.036)	834536	10.0000	9.4435
30 2-Methylphenol	108	3.989	3.989	(1.060)	1190182	10.0000	9.3292(Q)
31 bis(2-Chloroisopropyl)ether	45	4.007	4.007	(1.065)	996094	10.0000	8.9697(Q)
37 Acetophenone	105	4.117	4.117	(1.094)	1623819	10.0000	9.0762
32 N-Nitroso-di-n-propylamine	70	4.143	4.143	(1.101)	1305373	10.0000	9.0188(M)
192 4-Methylphenol	108	4.128	4.128	(1.097)	1025755	10.0000	8.1908(H)
34 Hexachloroethane	117	4.174	4.174	(1.109)	437745	10.0000	9.1456
35 Nitrobenzene	77	4.256	4.256	(0.883)	1861257	10.0000	10.037
41 Isophorone	82	4.464	4.464	(0.926)	3016152	10.0000	10.578
42 2-Nitrophenol	139	4.516	4.516	(0.937)	528404	10.0000	10.364
43 2,4-Dimethylphenol	107	4.565	4.565	(0.947)	1341192	10.0000	10.560
44 bis(2-Chloroethoxy)methane	93	4.647	4.647	(0.964)	1574612	10.0000	10.094
46 2,4-Toluenediamene	121	5.807	5.807	(1.204)	148139	10.0000	3.7796(Q)
47 1,3,5-Trichlorobenzene	180	4.516	4.516	(0.937)	778123	10.0000	9.8425
48 2,4-Dichlorophenol	162	4.714	4.714	(0.978)	780178	10.0000	10.536

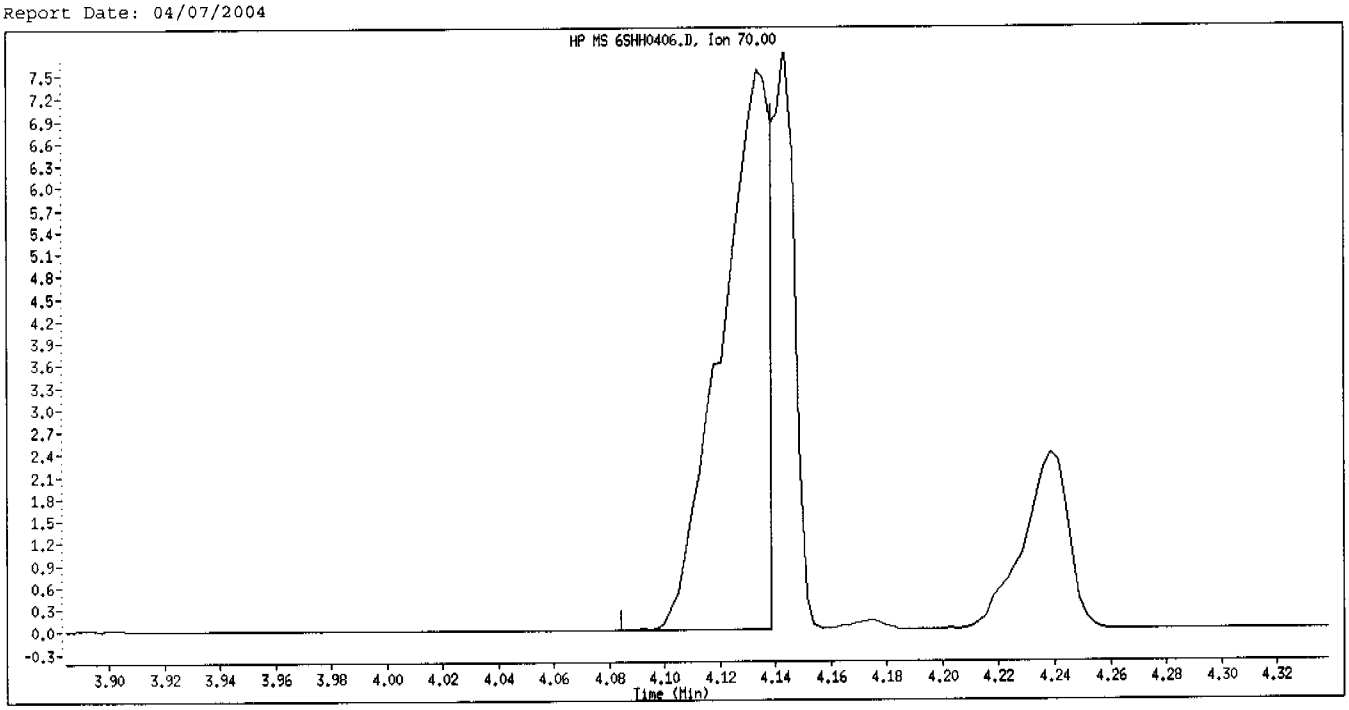
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.781	4.781	(0.991)	1320630	20.0000	22.661(M)
50 1,2,4-Trichlorobenzene	180	4.776	4.776	(0.990)	766663	10.0000	9.8312
51 Naphthalene	128	4.840	4.840	(1.004)	2729024	10.0000	10.124
52 4-Chloroaniline	127	4.904	4.904	(1.017)	1142458	10.0000	10.334
56 Hexachlorobutadiene	225	4.948	4.948	(1.026)	457635	10.0000	10.020
210 Caprolactam	113	5.264	5.264	(1.092)	367783	10.0000	10.275(Q)
57 1,2,3-Trichlorobenzene	180	4.961	4.961	(1.029)	738949	10.0000	10.361
59 4-Chloro-3-Methylphenol	107	5.326	5.326	(1.105)	1141003	10.0000	10.737
62 2-Methylnaphthalene	142	5.418	5.418	(1.124)	1729924	10.0000	10.210
63 1-Methylnaphthalene	142	5.498	5.498	(1.140)	1649893	10.0000	10.020
64 Hexachlorocyclopentadiene	237	5.547	5.547	(0.884)	568761	10.0000	9.9910
66 2,4,6-Trichlorophenol	196	5.660	5.660	(0.902)	685323	10.0000	10.650
67 2,4,5-Trichlorophenol	196	5.694	5.694	(0.908)	573081	10.0000	9.9779
211 1,1'-Biphenyl	154	5.812	5.812	(0.927)	2108828	10.0000	9.8499
68 1,2,3,5-Tetrachlorobenzene	216	5.544	5.544	(0.884)	765700	10.0000	10.132
70 2-Chloronaphthalene	162	5.820	5.820	(0.928)	1594361	10.0000	10.038
73 2-Nitroaniline	65	5.925	5.925	(0.945)	981401	10.0000	10.809
74 1,2,3,4-Tetrachlorobenzene	216	5.791	5.791	(0.923)	727649	10.0000	10.138
76 Dimethylphthalate	163	6.084	6.084	(0.970)	1939767	10.0000	10.394
78 2,6-Dinitrotoluene	165	6.133	6.133	(0.978)	439136	10.0000	10.933
79 Acenaphthylene	152	6.159	6.159	(0.982)	2868638	10.0000	10.591
80 1,2-Dinitrobenzene	168	6.180	6.180	(0.985)	210384	10.0000	10.135(H)
81 3-Nitroaniline	138	6.270	6.270	(1.000)	500624	10.0000	10.465
82 Acenaphthene	153	6.303	6.303	(1.005)	1782891	10.0000	9.9914
83 2,4-Dinitrophenol	184	6.360	6.360	(1.014)	776952	20.0000	22.729
85 4-Nitrophenol	109	6.421	6.421	(1.024)	401743	10.0000	10.027(Q)
86 Dibenzofuran	168	6.447	6.447	(1.028)	2481197	10.0000	10.110
87 2,4-Dinitrotoluene	165	6.462	6.462	(1.030)	542533	10.0000	9.1110(Q)
91 2,3,5,6-Tetrachlorophenol	232	6.519	6.519	(1.039)	558440	10.0000	10.780
93 Diethylphthalate	149	6.666	6.666	(1.063)	2011927	10.0000	10.087
94 Fluorene	166	6.727	6.727	(1.073)	1925892	10.0000	10.084
95 4-Chlorophenyl-phenylether	204	6.735	6.735	(1.074)	986156	10.0000	9.8200
96 4-Nitroaniline	138	6.779	6.779	(1.081)	538064	10.0000	11.343
98 4,6-Dinitro-2-methylphenol	198	6.794	6.794	(0.908)	397795	10.0000	9.3780
99 N-Nitrosodiphenylamine	169	6.840	6.840	(0.914)	1495183	10.0000	10.000
100 1,2-Diphenylhydrazine	77	6.864	6.864	(0.917)	4108691	10.0000	10.935
106 4-Bromophenyl-phenylether	248	7.134	7.134	(0.953)	509893	10.0000	9.8483
107 Hexachlorobenzene	284	7.175	7.175	(0.958)	477547	10.0000	9.4289
212 Atrazine	200	7.296	7.296	(0.975)	523860	10.0000	9.6102
111 Pentachlorophenol	266	7.342	7.342	(0.981)	385891	10.0000	10.895
115 Phenanthrene	178	7.509	7.509	(1.003)	2870178	10.0000	9.8956
116 Anthracene	178	7.550	7.550	(1.009)	2811561	10.0000	9.8526
119 Carbazole	167	7.694	7.694	(1.028)	2720249	10.0000	10.308
120 Di-n-Butylphthalate	149	7.995	7.995	(1.068)	3470451	10.0000	10.566
123 Fluoranthene	202	8.476	8.476	(1.132)	3318817	10.0000	10.033
124 Benzidine	184	8.612	8.612	(0.892)	1885455	10.0000	11.247
125 Pyrene	202	8.661	8.661	(0.897)	3400454	10.0000	10.121
131 Butylbenzylphthalate	149	9.214	9.214	(0.955)	1534944	10.0000	10.849
133 3,3'-Dimethoxybenzidine	244	9.633	9.633	(0.998)	694353	10.0000	10.829
135 3,3'-Dichlorobenzidine	252	9.638	9.638	(0.999)	1108894	10.0000	10.577
136 Benzo(a)Anthracene	228	9.641	9.641	(0.999)	3481361	10.0000	9.9868
137 Chrysene	228	9.674	9.674	(1.002)	2654654	10.0000	10.427
138 4,4'-Methylene bis(o-chloroan	231	9.643	9.643	(0.999)	589093	10.0000	10.442
139 bis(2-ethylhexyl)Phthalate	149	9.690	9.690	(1.004)	2165795	10.0000	10.463

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.217	10.217	(0.947)	3620043	10.0000	11.253
141 Benzo(b)fluoranthene	252	10.507	10.507	(0.974)	3563492	10.0000	11.011
142 Benzo(k)fluoranthene	252	10.528	10.528	(0.976)	2344677	10.0000	10.431(H)
146 Benzo(a)pyrene	252	10.754	10.754	(0.997)	2622257	10.0000	10.476
149 Indeno(1,2,3-cd)pyrene	276	11.667	11.667	(1.082)	2894817	10.0000	10.966
150 Dibenz(a,h)anthracene	278	11.688	11.688	(1.083)	2446591	10.0000	10.971
151 Benzo(g,h,i)perylene	276	11.919	11.919	(1.105)	2438768	10.0000	10.895
$ 154 Nitrobenzene-d5	82	4.238	4.238	(0.879)	1734276	10.0000	10.137
$ 155 2-Fluorobiphenyl	172	5.732	5.732	(0.914)	2019746	10.0000	9.7710
$ 156 Terphenyl-d14	244	8.800	8.800	(0.912)	2018724	10.0000	10.194
$ 157 Phenol-d5	99	3.485	3.485	(0.926)	1615602	10.0000	9.4901
$ 158 2-Fluorophenol	112	2.734	2.734	(0.727)	1058338	10.0000	9.6170
$ 159 2,4,6-Tribromophenol	330	6.925	6.925	(1.104)	215413	10.0000	9.9288
$ 186 2-Chlorophenol-d4	132	3.582	3.582	(0.952)	947464	10.0000	9.2539
$ 187 1,2-Dichlorobenzene-d4	152	3.888	3.888	(1.033)	555627	10.0000	8.9793
101 Diphenylamine	169	6.840	6.840	(0.914)	1495183	10.0000	10.352

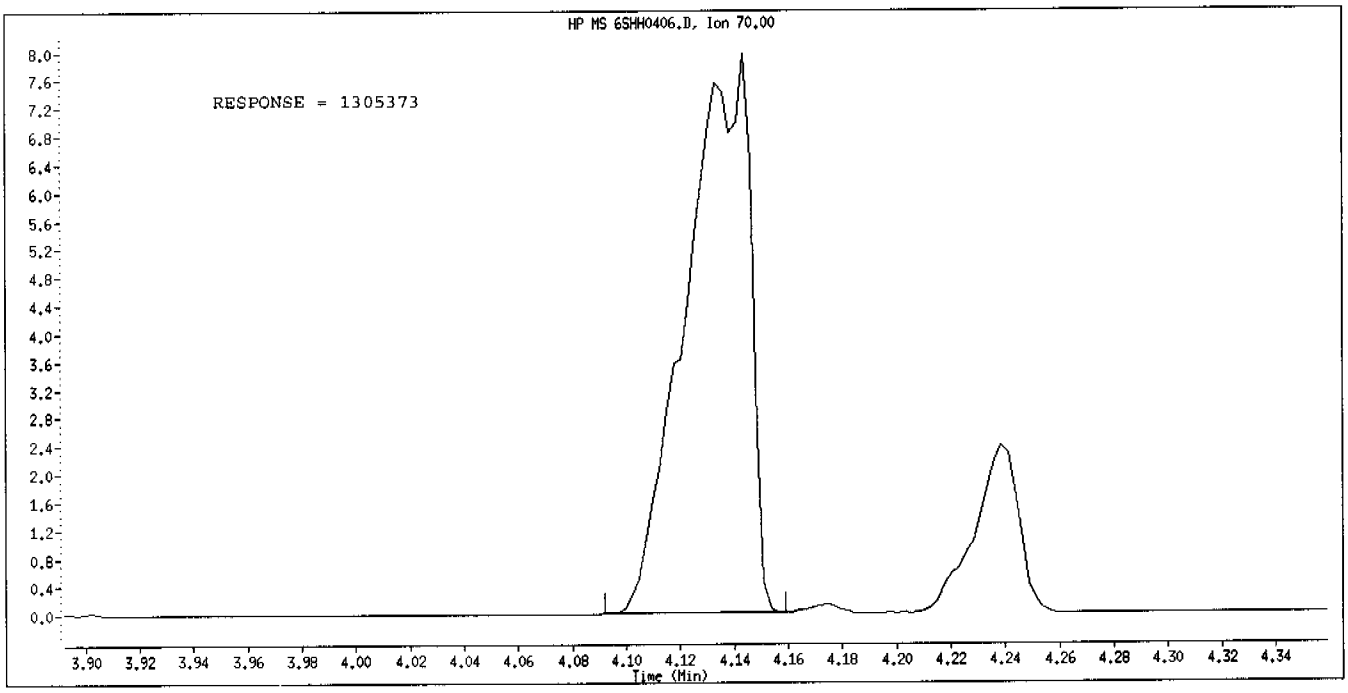
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SHH0406.D
Inj. Date and Time: 06-APR-2004 17:15
Instrument ID: a4hp6.i
Client ID:
Compound Name: N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 04/07/2004



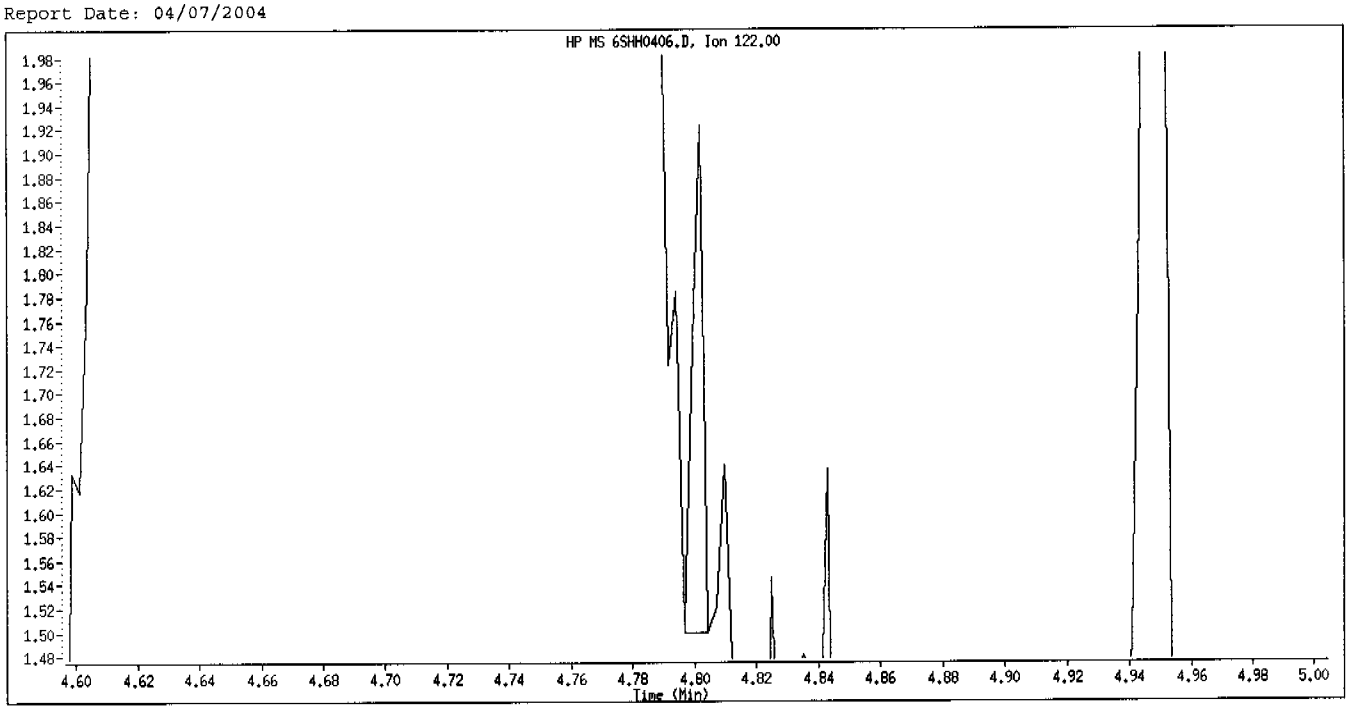
Original Integration



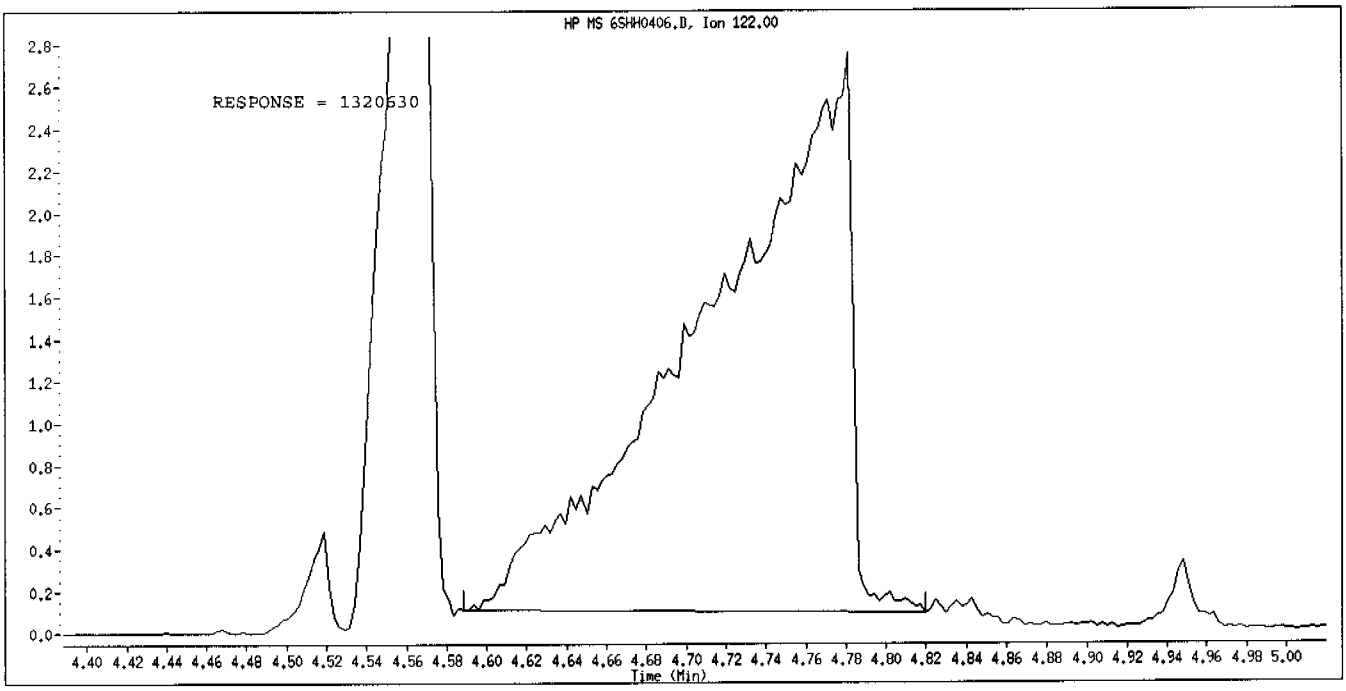
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SHH0406.D
Inj. Date and Time: 06-APR-2004 17:15
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/07/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6HHH0406.D

Date : 06-APR-2004 17:36

Client ID:

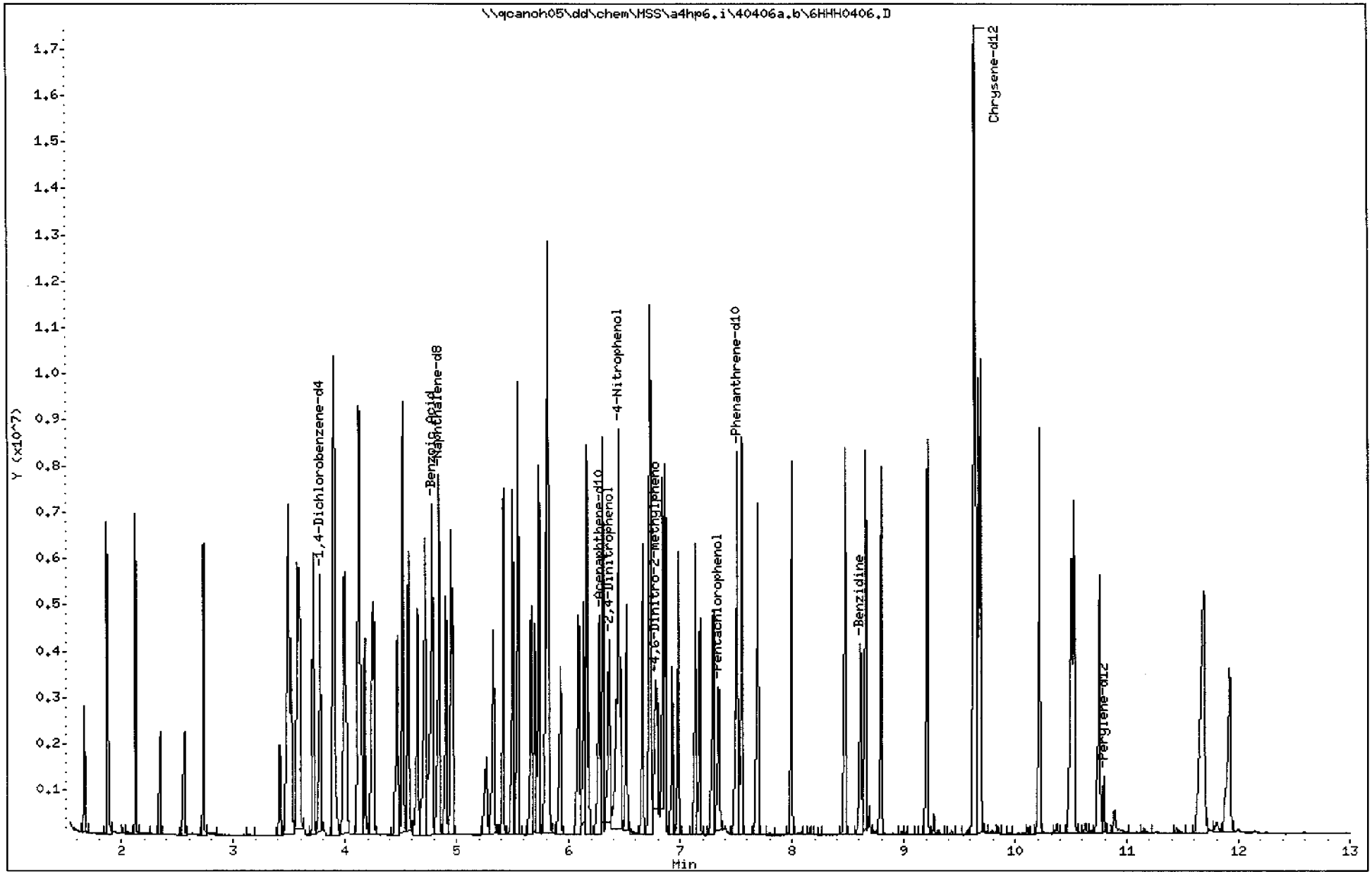
Sample Info: 19,40406a.b,8270p,L9.sub,1,,9

Column phase: db5.625

Instrument: a4hp6.i

Operator: 001710

Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6HHH0406.D
Lab Smp Id: 19
Inj Date : 06-APR-2004 17:36
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 19,40406a.b,8270p,L9.sub,1,,9
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 11:54 gruberj Quant Type: ISTD
Cal Date : 06-APR-2004 18:18 Cal File: 6AHHH406.D
Als bottle: 10 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: L9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.760	3.760	(1.000)	127576	2.00000	
* 2 Naphthalene-d8	136	4.822	4.822	(1.000)	433557	2.00000	
* 3 Acenaphthene-d10	164	6.275	6.275	(1.000)	248778	2.00000	
* 4 Phenanthrene-d10	188	7.486	7.486	(1.000)	452343	2.00000	
* 5 Chrysene-d12	240	9.651	9.651	(1.000)	411110	2.00000	
* 6 Perylene-d12	264	10.788	10.788	(1.000)	291741	2.00000	
49 Benzoic Acid	122	4.781	4.781	(0.991)	1372958	25.0000	24.987(M)
83 2,4-Dinitrophenol	184	6.362	6.362	(1.014)	769333	25.0000	26.620
85 4-Nitrophenol	109	6.422	6.422	(1.023)	435237	12.5000	13.213
98 4,6-Dinitro-2-methylphenol	198	6.797	6.797	(0.908)	382089	12.5000	11.559(H)
111 Pentachlorophenol	266	7.345	7.345	(0.981)	376690	12.5000	12.442
124 Benzidine	184	8.612	8.612	(0.892)	1880698	12.5000	13.673

QC Flag Legend

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

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i
Lab File ID: ICVTCL.D
Analysis Type:
Lab Sample ID: icvtcl
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m

Injection Date: 06-APR-2004 17:57
Init. Cal. Date(s): 06-APR-2004 06-APR-2004
Init. Cal. Times: 14:47 20:45
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF3	CCAL RRF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
198 1,4-Dioxane	0.82889	0.91487	0.91487	0.010	-10.37253	50.00000	Averaged
9 Pyridine	2.00280	2.21054	2.21054	0.010	-10.37210	50.00000	Averaged
10 N-Nitrosodimethylamine	1.49542	1.74233	1.74233	0.010	-16.51130	50.00000	Averaged
12 3-Chloropropionitrile	0.76124	0.86899	0.86899	0.010	-14.15472	50.00000	Averaged
209 Benzaldehyde	2.50000	2.78219	1.68170	0.010	-11.28763	0.000e+000	Quadratic
21 Aniline	3.01424	3.21318	3.21318	0.010	-6.60013	50.00000	Averaged
22 Phenol	2.46851	2.67215	2.67215	0.010	-8.24936	20.00000	Averaged
23 bis(2-Chloroethyl)ether	1.81082	1.79188	1.79188	0.010	1.04627	50.00000	Averaged
24 2-Chlorophenol	1.32464	1.53145	1.53145	0.010	-15.61249	50.00000	Averaged
26 1,3-Dichlorobenzene	1.26829	1.36268	1.36268	0.010	-7.44186	50.00000	Averaged
27 1,4-Dichlorobenzene	1.17264	1.22300	1.22300	0.010	-4.29395	20.00000	Averaged
28 1,2-Dichlorobenzene	1.18997	1.28809	1.28809	0.010	-8.24503	50.00000	Averaged
29 Benzyl Alcohol	1.13944	1.31597	1.31597	0.010	-15.49255	50.00000	Averaged
30 2-Methylphenol	1.64223	1.88192	1.88192	0.010	-14.59581	50.00000	Averaged
31 bis(2-Chloroisopropyl)ether	1.42209	1.48705	1.48705	0.010	-4.56819	50.00000	Averaged
37 Acetophenone	2.29461	2.40841	2.40841	0.010	-4.95921	50.00000	Averaged
32 N-Nitroso-di-n-propylamine	1.85482	1.92795	1.92795	0.050	-3.94286	50.00000	Averaged
192 4-Methylphenol	1.58558	1.89979	1.89979	0.010	-19.81677	50.00000	Averaged
34 Hexachloroethane	0.61450	0.63938	0.63938	0.010	-4.04941	50.00000	Averaged
35 Nitrobenzene	0.69527	0.68765	0.68765	0.010	1.09591	50.00000	Averaged
41 Isophorone	1.07735	1.11387	1.11387	0.010	-3.38999	50.00000	Averaged
42 2-Nitrophenol	0.19206	0.21038	0.21038	0.010	-9.53562	20.00000	Averaged
43 2,4-Dimethylphenol	0.47977	0.50070	0.50070	0.010	-4.36444	50.00000	Averaged
44 bis(2-Chloroethoxy)methane	0.58538	0.58445	0.58445	0.010	0.15856	50.00000	Averaged
46 2,4 Toluenediamene	2.50000	2.84582	0.10619	0.010	-13.83284	0.000e+000	Quadratic
47 1,3,5-Trichlorobenzene	0.29560	0.30846	0.30846	0.010	-4.35031	50.00000	Averaged
48 2,4-Dichlorophenol	0.27961	0.28556	0.28556	0.010	-2.12724	20.00000	Averaged
49 Benzoic Acid	5.00000	4.11771	0.17577	0.010	17.64576	0.000e+000	Quadratic
50 1,2,4-Trichlorobenzene	0.29153	0.30666	0.30666	0.010	-5.18888	50.00000	Averaged
51 Naphthalene	1.01170	1.04062	1.04062	0.010	-2.85800	50.00000	Averaged
52 4-Chloroaniline	0.41626	0.43178	0.43178	0.010	-3.72723	50.00000	Averaged
56 Hexachlorobutadiene	0.17121	0.18369	0.18369	0.010	-7.29061	20.00000	Averaged
210 Caprolactam	0.13487	0.12448	0.12448	0.010	7.70669	50.00000	Averaged
57 1,2,3-Trichlorobenzene	0.26864	0.28775	0.28775	0.010	-7.11315	50.00000	Averaged
59 4-Chloro-3-Methylphenol	0.40242	0.43597	0.43597	0.010	-8.33810	20.00000	Averaged
62 2-Methylnaphthalene	0.63662	0.65873	0.65873	0.010	-3.47351	50.00000	Averaged
63 1-Methylnaphthalene	0.61719	0.63606	0.63606	0.010	-3.05824	50.00000	Averaged
64 Hexachlorocyclopentadiene	0.37172	0.38828	0.38828	0.050	-4.45582	50.00000	Averaged
66 2,4,6-Trichlorophenol	0.42414	0.41633	0.41633	0.010	1.84030	20.00000	Averaged
67 2,4,5-Trichlorophenol	0.37494	0.39758	0.39758	0.010	-6.03676	50.00000	Averaged
211 1,1'-Biphenyl	1.39516	1.50844	1.50844	0.010	-8.11973	50.00000	Averaged
68 1,2,3,5-Tetrachlorobenzene	0.49443	0.53855	0.53855	0.010	-8.92313	50.00000	Averaged

ICV TCL

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 06-APR-2004 17:57
Lab File ID: ICVTCL.D Init. Cal. Date(s): 06-APR-2004 06-APR-2004
Analysis Type: Init. Cal. Times: 14:47 20:45
Lab Sample ID: icvtcl Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF3	CCAL RRF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 2-Chloronaphthalene	1.03780	1.14793	1.14793	0.010	-10.61140	50.00000	Averaged
73 2-Nitroaniline	0.59981	0.64237	0.64237	0.010	-7.09562	50.00000	Averaged
74 1,2,3,4-Tetrachlorobenzene	0.46966	0.50432	0.50432	0.010	-7.37945	50.00000	Averaged
76 Dimethylphthalate	1.22562	1.28461	1.28461	0.010	-4.81285	50.00000	Averaged
78 2,6-Dinitrotoluene	0.26580	0.30584	0.30584	0.010	-15.06673	50.00000	Averaged
79 Acenaphthylene	1.78187	1.95065	1.95065	0.010	-9.47249	50.00000	Averaged
80 1,2-Dinitrobenzene	2.50000	2.89427	0.16520	0.010	-15.77088	0.000e+000	Quadratic
81 3-Nitroaniline	0.31449	0.34626	0.34626	0.010	-10.10398	50.00000	Averaged
82 Acenaphthene	1.16520	1.26515	1.26515	0.010	-8.57813	20.00000	Averaged
83 2,4-Dinitrophenol	0.22932	0.18153	0.18153	0.050	20.84279	50.00000	Averaged
85 4-Nitrophenol	0.26179	0.17125	0.17125	0.050	34.58542	50.00000	Averaged
86 Dibenzofuran	1.60524	1.70671	1.70671	0.010	-6.32156	50.00000	Averaged
87 2,4-Dinitrotoluene	0.38311	0.41556	0.41556	0.010	-8.46976	50.00000	Averaged
91 2,3,5,6-Tetrachlorophenol	0.34271	0.39050	0.39050	0.010	-13.94756	50.00000	Averaged
93 Diethylphthalate	1.30413	1.36191	1.36191	0.010	-4.43051	50.00000	Averaged
94 Fluorene	1.24849	1.35117	1.35117	0.010	-8.22414	50.00000	Averaged
95 4-Chlorophenyl-phenylether	0.65413	0.68850	0.68850	0.010	-5.25471	50.00000	Averaged
96 4 Nitroaniline	0.31671	0.32557	0.32557	0.010	-2.79751	50.00000	Averaged
98 4,6-Dinitro-2-methylphenol	0.14835	0.13664	0.13664	0.010	7.89659	50.00000	Averaged
99 N-Nitrosodiphenylamine	0.52950	0.56777	0.56777	0.010	-7.22885	20.00000	Averaged
100 1,2-Diphenylhydrazine	1.34841	1.34076	1.34076	0.010	0.56712	50.00000	Averaged
106 4-Bromophenyl-phenylether	0.18296	0.19956	0.19956	0.010	-9.07449	50.00000	Averaged
107 Hexachlorobenzene	0.17790	0.17859	0.17859	0.010	-0.39168	50.00000	Averaged
212 Atrazine	0.19179	0.18213	0.18213	0.010	5.03503	50.00000	Averaged
111 Pentachlorophenol	2.50000	1.92409	0.10125	0.010	23.03646	0.000e+000	Quadratic
115 Phenanthrene	1.02582	1.05914	1.05914	0.010	-3.24797	50.00000	Averaged
116 Anthracene	1.00872	1.08604	1.08604	0.010	-7.66511	50.00000	Averaged
119 Carbazole	0.93865	0.97962	0.97962	0.010	-4.36445	50.00000	Averaged
120 Di-n-Butylphthalate	1.17259	1.24445	1.24445	0.010	-6.12865	50.00000	Averaged
123 Fluoranthene	1.17193	1.23228	1.23228	0.010	-5.14939	20.00000	Averaged
124 Benzidine	0.65869	0.59335	0.59335	0.010	9.91946	50.00000	Averaged
125 Pyrene	1.29525	1.38846	1.38846	0.010	-7.19641	50.00000	Averaged
131 Butylbenzylphthalate	0.55120	0.58828	0.58828	0.010	-6.72788	50.00000	Averaged
133 3,3'-Dimethoxybenzidine	0.25021	0.26443	0.26443	0.010	-5.68466	50.00000	Averaged
135 3,3'-Dichlorobenzidine	0.40687	0.42938	0.42938	0.010	-5.53450	50.00000	Averaged
136 Benzo(a)Anthracene	1.34160	1.26671	1.26671	0.010	5.58214	50.00000	Averaged
137 Chrysene	0.98522	1.16128	1.16128	0.010	-17.87027	50.00000	Averaged
138 4,4'-Methylene bis(o-chloro	0.21853	0.22724	0.22724	0.010	-3.98836	50.00000	Averaged
139 bis(2-ethylhexyl)Phthalate	0.80201	0.83443	0.83443	0.010	-4.04264	50.00000	Averaged
140 Di-n-octylphthalate	1.82695	1.98526	1.98526	0.010	-8.66560	20.00000	Averaged
141 Benzo(b)fluoranthene	1.82840	1.77116	1.77116	0.010	3.13038	50.00000	Averaged
142 Benzo(k)fluoranthene	1.26081	1.62563	1.62563	0.010	-28.93538	50.00000	Averaged

STL - North Canton

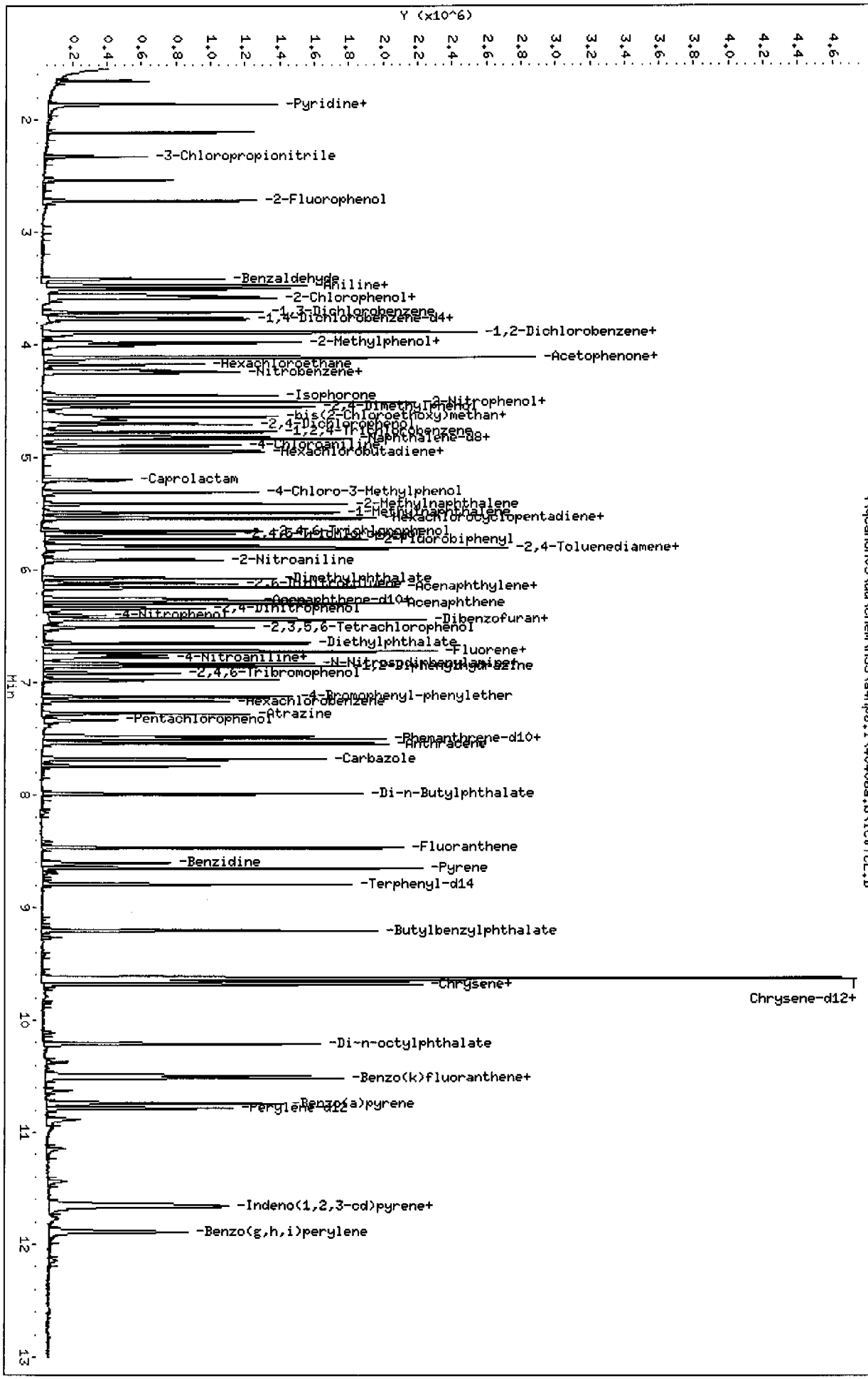
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 06-APR-2004 17:57
Lab File ID: ICVTCL.D Init. Cal. Date(s): 06-APR-2004 06-APR-2004
Analysis Type: Init. Cal. Times: 14:47 20:45
Lab Sample ID: icvtcl Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF3	CCAL RRF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
146 Benzo(a)pyrene	1.40484	1.51789	1.51789	0.010	-8.04737	20.00000	Averaged
149 Indeno(1,2,3-cd)pyrene	1.49062	1.62943	1.62943	0.010	-9.31269	50.00000	Averaged
150 Dibenz(a,h)anthracene	1.25930	1.36326	1.36326	0.010	-8.25497	50.00000	Averaged
151 Benzo(g,h,i)perylene	1.26280	1.33723	1.33723	0.010	-5.89437	50.00000	Averaged
$ 154 Nitrobenzene-d5	0.64225	0.62774	0.62774	0.010	2.25800	50.00000	Averaged
$ 155 2-Fluorobiphenyl	1.34605	1.39549	1.39549	0.010	-3.67330	50.00000	Averaged
$ 156 Terphenyl-d14	0.76413	0.80528	0.80528	0.010	-5.38593	50.00000	Averaged
$ 157 Phenol-d5	2.19852	2.41665	2.41665	0.010	-9.92180	50.00000	Averaged
$ 158 2-Fluorophenol	1.42346	1.58301	1.58301	0.010	-11.20841	50.00000	Averaged
$ 159 2,4,6-Tribromophenol	0.14152	0.14731	0.14731	0.010	-4.09270	50.00000	Averaged
$ 186 2-Chlorophenol-d4	1.31652	1.42715	1.42715	0.010	-8.40354	50.00000	Averaged
$ 187 1,2-Dichlorobenzene-d4	0.79252	0.87198	0.87198	0.010	-10.02683	50.00000	Averaged
M 195 Cresols, total	3.22780	3.78171	3.78171	0.010	-17.16047	50.00000	Averaged
101 Diphenylamine	0.51409	0.56777	0.56777	0.010	-10.44298	50.00000	Averaged

Data File: \\qcanon05\dd\chem\MSS\a4hp6.i\40406a.b\ICVTCL.D
Date : 06-APR-2004 17:57
Client ID:
Sample Info: icvtcl,40406a,b,8270p,3-827042,sub,2
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\ICVTCL.D
Lab Smp Id: icvtcl
Inj Date : 06-APR-2004 17:57
Operator : 001710 Inst ID: a4hp6.i
Smp Info : icvtcl,40406a.b,8270p,3-827042.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 11:24 gruberj Quant Type: ISTD
Cal Date : 06-APR-2004 20:45 Cal File: 6AL0406.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.756	3.756	(1.000)	100084	2.00000	
* 2 Naphthalene-d8	136	4.816	4.816	(1.000)	398009	2.00000	
* 3 Acenaphthene-d10	164	6.269	6.269	(1.000)	219691	2.00000	
* 4 Phenanthrene-d10	188	7.480	7.480	(1.000)	402350	2.00000	
* 5 Chrysene-d12	240	9.637	9.637	(1.000)	377926	2.00000	
* 6 Perylene-d12	264	10.782	10.782	(1.000)	247701	2.00000	
198 1,4-Dioxane	88	1.650	1.650	(0.439)	114455	2.50000	2.7593(H)
9 Pyridine	79	1.859	1.859	(0.495)	276549	2.50000	2.7593
10 N-Nitrosodimethylamine	74	1.859	1.859	(0.495)	217974	2.50000	2.9128
12 3-Chloropropionitrile	54	2.327	2.327	(0.619)	108715	2.50000	2.8539
209 Benzaldehyde	77	3.412	3.412	(0.908)	210389	2.50000	2.7822
21 Aniline	93	3.499	3.499	(0.932)	401985	2.50000	2.6650
22 Phenol	94	3.473	3.473	(0.925)	334299	2.50000	2.7062(H)
23 bis(2-Chloroethyl)ether	93	3.556	3.556	(0.947)	224173	2.50000	2.4738(H)
24 2-Chlorophenol	128	3.584	3.584	(0.954)	191592	2.50000	2.8903
26 1,3-Dichlorobenzene	146	3.707	3.707	(0.987)	170478	2.50000	2.6860
27 1,4-Dichlorobenzene	146	3.769	3.769	(1.003)	153003	2.50000	2.6073
28 1,2-Dichlorobenzene	146	3.895	3.895	(1.037)	161146	2.50000	2.7061
29 Benzyl Alcohol	108	3.885	3.885	(1.034)	164634	2.50000	2.8873
30 2-Methylphenol	108	3.977	3.977	(1.059)	235438	2.50000	2.8649
31 bis(2-Chloroisopropyl)ether	45	4.001	4.001	(1.065)	186038	2.50000	2.6142
37 Acetophenone	105	4.103	4.103	(1.092)	301304	2.50000	2.6240
32 N-Nitroso-di-n-propylamine	70	4.114	4.114	(1.095)	241196	2.50000	2.5986(H)
192 4-Methylphenol	108	4.109	4.109	(1.094)	237673	2.50000	2.9954
34 Hexachloroethane	117	4.170	4.170	(1.110)	79990	2.50000	2.6012
35 Nitrobenzene	77	4.242	4.242	(0.881)	342114	2.50000	2.4726
41 Isophorone	82	4.445	4.445	(0.923)	554163	2.50000	2.5847
42 2-Nitrophenol	139	4.507	4.507	(0.936)	104664	2.50000	2.7384
43 2,4-Dimethylphenol	107	4.551	4.551	(0.945)	249106	2.50000	2.6091
44 bis(2-Chloroethoxy)methane	93	4.636	4.636	(0.963)	290771	2.50000	2.4960
46 2,4-Toluenediamene	121	5.798	5.798	(1.204)	52830	2.50000	2.8458
47 1,3,5-Trichlorobenzene	180	4.510	4.510	(0.936)	153461	2.50000	2.6088
48 2,4-Dichlorophenol	162	4.703	4.703	(0.977)	142069	2.50000	2.5532

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.667	4.667	(0.969)	174895	5.00000	4.1177(M)
50 1,2,4-Trichlorobenzene	180	4.769	4.769	(0.990)	152567	2.50000	2.6297
51 Naphthalene	128	4.831	4.831	(1.003)	517718	2.50000	2.5714
52 4-Chloroaniline	127	4.893	4.893	(1.016)	214813	2.50000	2.5932
56 Hexachlorobutadiene	225	4.942	4.942	(1.026)	91387	2.50000	2.6823
210 Caprolactam	113	5.199	5.199	(1.080)	61930	2.50000	2.3073(QH)
57 1,2,3-Trichlorobenzene	180	4.955	4.955	(1.029)	143158	2.50000	2.6778
59 4-Chloro-3-Methylphenol	107	5.304	5.304	(1.101)	216900	2.50000	2.7084(H)
62 2-Methylnaphthalene	142	5.410	5.410	(1.123)	327726	2.50000	2.5868
63 1-Methylnaphthalene	142	5.489	5.489	(1.140)	316448	2.50000	2.5764
64 Hexachlorocyclopentadiene	237	5.541	5.541	(0.884)	106627	2.50000	2.6114
66 2,4,6-Trichlorophenol	196	5.651	5.651	(0.902)	114330	2.50000	2.4540
67 2,4,5-Trichlorophenol	196	5.680	5.680	(0.906)	109180	2.50000	2.6509
211 1,1'-Biphenyl	154	5.801	5.801	(0.925)	414239	2.50000	2.7030
68 1,2,3,5-Tetrachlorobenzene	216	5.536	5.536	(0.883)	147894	2.50000	2.7231
70 2-Chloronaphthalene	162	5.811	5.811	(0.927)	315237	2.50000	2.7653
73 2-Nitroaniline	65	5.911	5.911	(0.943)	176403	2.50000	2.6774(H)
74 1,2,3,4-Tetrachlorobenzene	216	5.783	5.783	(0.922)	138492	2.50000	2.6845
76 Dimethylphthalate	163	6.071	6.071	(0.968)	352772	2.50000	2.6203
78 2,6-Dinitrotoluene	165	6.117	6.117	(0.976)	83989	2.50000	2.8767
79 Acenaphthylene	152	6.150	6.150	(0.981)	535676	2.50000	2.7368
80 1,2-Dinitrobenzene	168	6.158	6.158	(0.982)	45366	2.50000	2.8943
81 3-Nitroaniline	138	6.251	6.251	(0.997)	95089	2.50000	2.7526(H)
82 Acenaphthene	153	6.294	6.294	(1.004)	347428	2.50000	2.7144
83 2,4-Dinitrophenol	184	6.341	6.341	(1.011)	99699	5.00000	3.9579
85 4-Nitrophenol	109	6.400	6.400	(1.021)	47027	2.50000	1.6354(H)
86 Dibenzofuran	168	6.436	6.436	(1.027)	468687	2.50000	2.6580
87 2,4-Dinitrotoluene	165	6.443	6.443	(1.028)	114118	2.50000	2.7117
91 2,3,5,6-Tetrachlorophenol	232	6.508	6.508	(1.038)	107238	2.50000	2.8487
93 Diethylphthalate	149	6.652	6.652	(1.061)	374000	2.50000	2.6108
94 Fluorene	166	6.716	6.716	(1.071)	371049	2.50000	2.7056
95 4-Chlorophenyl-phenylether	204	6.726	6.726	(1.073)	189072	2.50000	2.6314
96 4-Nitroaniline	138	6.755	6.755	(1.078)	89405	2.50000	2.5699
98 4,6-Dinitro-2-methylphenol	198	6.775	6.775	(0.906)	68719	2.50000	2.3026(H)
99 N-Nitrosodiphenylamine	169	6.829	6.829	(0.913)	285554	2.50000	2.6807
100 1,2-Diphenylhydrazine	77	6.855	6.855	(0.916)	674318	2.50000	2.4858
106 4-Bromophenyl-phenylether	248	7.125	7.125	(0.953)	100366	2.50000	2.7269
107 Hexachlorobenzene	284	7.166	7.166	(0.958)	89822	2.50000	2.5098
212 Atrazine	200	7.279	7.279	(0.973)	91602	2.50000	2.3741
111 Pentachlorophenol	266	7.336	7.336	(0.981)	50920	2.50000	1.9241
115 Phenanthrene	178	7.500	7.500	(1.003)	532682	2.50000	2.5812
116 Anthracene	178	7.541	7.541	(1.008)	546210	2.50000	2.6916
119 Carbazole	167	7.683	7.683	(1.027)	492687	2.50000	2.6091
120 Di-n-Butylphthalate	149	7.989	7.989	(1.068)	625883	2.50000	2.6532
123 Fluoranthene	202	8.467	8.467	(1.132)	619758	2.50000	2.6287
124 Benzidine	184	8.601	8.601	(0.892)	280302	2.50000	2.2520
125 Pyrene	202	8.650	8.650	(0.898)	655921	2.50000	2.6799
131 Butylbenzylphthalate	149	9.205	9.205	(0.955)	277909	2.50000	2.6682
133 3,3'-Dimethoxybenzidine	244	9.622	9.622	(0.998)	124921	2.50000	2.6421
135 3,3'-Dichlorobenzidine	252	9.627	9.627	(0.999)	202844	2.50000	2.6384
136 Benzo(a)Anthracene	228	9.630	9.630	(0.999)	598404	2.50000	2.3604
137 Chrysene	228	9.658	9.658	(1.002)	548598	2.50000	2.9468
138 4,4'-Methylene bis(o-chloroan	231	9.632	9.632	(0.999)	107352	2.50000	2.5997
139 bis(2-ethylhexyl)Phthalate	149	9.684	9.684	(1.005)	394192	2.50000	2.6011

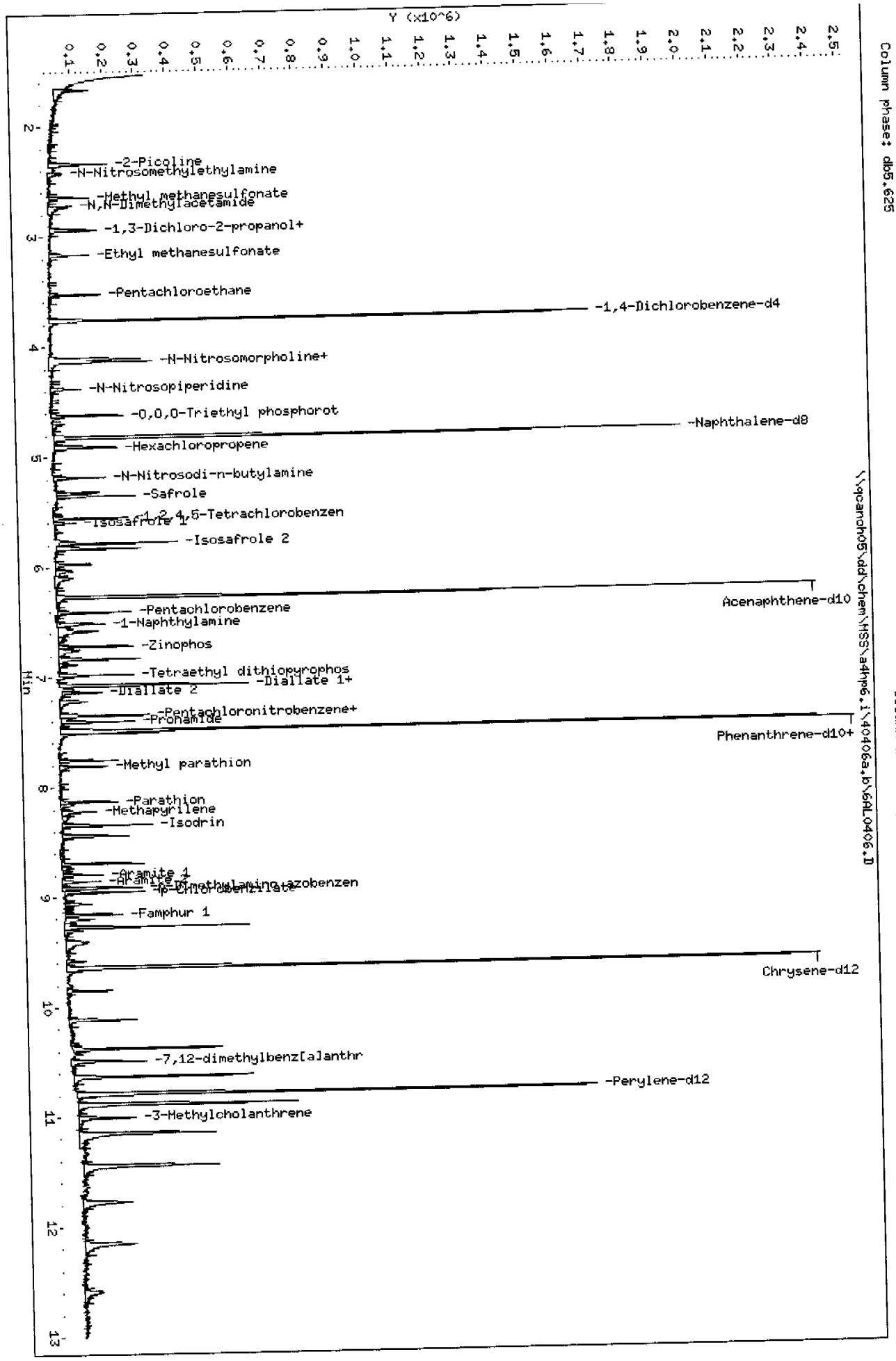
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.208	10.208	(0.947)	614689	2.50000	2.7166
141 Benzo(b)fluoranthene	252	10.491	10.491	(0.973)	548399	2.50000	2.4217(H)
142 Benzo(k)fluoranthene	252	10.512	10.512	(0.975)	503338	2.50000	3.2234
146 Benzo(a)pyrene	252	10.740	10.740	(0.996)	469980	2.50000	2.7012
149 Indeno(1,2,3-cd)pyrene	276	11.646	11.646	(1.080)	504515	2.50000	2.7328
150 Dibenz(a,h)anthracene	278	11.664	11.664	(1.082)	422100	2.50000	2.7064
151 Benzo(g,h,i)perylene	276	11.892	11.892	(1.103)	414042	2.50000	2.6474(H)
$ 154 Nitrobenzene-d5	82	4.227	4.227	(0.878)	312310	2.50000	2.4436
$ 155 2-Fluorobiphenyl	172	5.723	5.723	(0.913)	383222	2.50000	2.5918
$ 156 Terphenyl-d14	244	8.794	8.794	(0.912)	380421	2.50000	2.6346
$ 157 Phenol-d5	99	3.466	3.466	(0.923)	302335	2.50000	2.7480(H)
$ 158 2-Fluorophenol	112	2.720	2.720	(0.724)	198042	2.50000	2.7802
$ 159 2,4,6-Tribromophenol	330	6.917	6.917	(1.103)	40453	2.50000	2.6023
$ 186 2-Chlorophenol-d4	132	3.571	3.571	(0.951)	178544	2.50000	2.7101
$ 187 1,2 Dichlorobenzene-d4	152	3.882	3.882	(1.034)	109089	2.50000	2.7507
M 195 Cresols, total	100				473111	2.50000	5.8603
101 Diphenylamine	169	6.829	6.829	(0.913)	285554	2.50000	2.7611

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40406a.b\6AL0406.D
Date : 06-APR-2004 20:45
Client ID:
Sample Info: 13,40406a,b,827op,2-ap9,sub,1,2
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AL0406.D
Lab Smp Id: 13
Inj Date : 06-APR-2004 20:45 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 13,40406a.b,8270p,2-ap9.sub,1,,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:52 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 20:24 Cal File: 6AML0406.D
Calibration Sample, Level: 2
Als bottle: 19
Dil Factor: 1.00000
Compound Sublist: 2-ap9.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.758	3.758	(1.000)	157761	2.00000	
* 2 Naphthalene-d8	136	4.815	4.815	(1.000)	591291	2.00000	
* 3 Acenaphthene-d10	164	6.268	6.268	(1.000)	331639	2.00000	
* 4 Phenanthrene-d10	188	7.482	7.482	(1.000)	601162	2.00000	
* 5 Chrysene-d12	240	9.637	9.637	(1.000)	559569	2.00000	
* 6 Perylene-d12	264	10.784	10.784	(1.000)	366050	2.00000	
7 N-Nitrosomorpholine	56	4.131	4.131	(1.099)	18050	0.25000	0.23938
8 Ethyl methanesulfonate	79	3.167	3.167	(0.843)	38055	0.25000	0.24373
14 2-Picoline	93	2.336	2.336	(0.622)	45805	0.25000	0.24269
15 N-Nitrosomethylethylamine	88	2.426	2.426	(0.646)	14234	0.25000	0.20800
16 Methyl methanesulfonate	80	2.640	2.640	(0.702)	30105	0.25000	0.25930
18 1,3-Dichloro-2-propanol	79	2.941	2.941	(0.782)	52974	0.25000	0.24245
19 N-Nitrosodiethylamine	102	2.925	2.925	(0.778)	21442	0.25000	0.26647
25 Pentachloroethane	167	3.527	3.527	(0.938)	12273	0.25000	0.28726
36 N-Nitrosopyrrolidine	100	4.100	4.100	(1.091)	17237	0.25000	0.23952
39 o-Toluidine	106	4.131	4.131	(1.099)	56896	0.25000	0.23216
40 N-Nitrosopiperidine	114	4.375	4.375	(0.909)	14091	0.25000	0.22694
45 O,O,O-Triethyl phosphorothioa	198	4.615	4.615	(0.958)	13532	0.25000	0.24445
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	4.908	4.908	(1.019)	17877	0.25000	0.25144
58 N-Nitrosodi-n-butylamine	84	5.180	5.180	(1.076)	29848	0.25000	0.25621
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	5.350	5.350	(1.111)	20314	0.25000	0.25342
65 1,2,4,5-Tetrachlorobenzene	216	5.551	5.551	(0.886)	26101	0.25000	0.27152
71 Isosafrole 1	162	5.594	5.594	(0.893)	6609	0.25000	0.25547
72 Isosafrole 2	162	5.779	5.779	(0.922)	38856	0.25000	0.25148
75 1,4-Naphthoquinone	158	Compound Not Detected.					
84 Pentachlorobenzene	250	6.402	6.402	(1.021)	20981	0.25000	0.26575
89 1-Naphthylamine	143	6.507	6.507	(1.038)	40229	0.25000	0.19917
92 2-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	6.713	6.713	(1.071)	14516	0.25000	0.19182(Q)
102 Tetraethyl dithiopyrophosphat	202	6.973	6.973	(0.932)	7184	0.25000	0.22956(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.068	7.068	(0.945)	71364	0.25000	0.26872
109 Diallate 2	86	7.137	7.137	(0.954)	14069	0.25000	0.24970
104 Phorate	121	7.073	7.073	(0.945)	12516	0.25000	0.26381(Q)
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
112 Pentachloronitrobenzene	237	7.340	7.340	(0.981)	6932	0.25000	0.24303
113 4-Aminobiphenyl	169	7.343	7.343	(0.981)	45759	0.25000	0.19875
114 Pronamide	173	7.399	7.399	(0.989)	23845	0.25000	0.23342
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	7.502	7.502	(1.003)	46082	0.25000	0.24575
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	8.217	8.217	(1.098)	26497	0.25000	0.19097
126 Aramite 1	185	8.791	8.791	(0.912)	4583	0.25000	0.23610
127 Aramite 2	185	8.852	8.852	(0.919)	6027	0.25000	0.25832
128 p-Dimethylamino azobenzene	225	8.914	8.914	(0.925)	17821	0.25000	0.22889
129 p-Chlorobenzilate	139	8.953	8.953	(0.929)	31601	0.25000	0.26572
130 Famphur 1	218	9.156	9.156	(0.950)	28631	0.25000	0.45544
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	10.485	10.485	(0.972)	31032	0.25000	0.22367
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.002	11.002	(1.020)	33196	0.25000	0.20964
193 3-Methylphenol	108	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	2.717	2.717	(0.723)	22448	0.25000	0.24651(H)
225 Methyl parathion	109	7.806	7.806	(1.043)	16517	0.25000	0.17695
226 Parathion	97	8.125	8.125	(1.086)	13855	0.25000	0.20138
227 Isodrin	66	8.341	8.341	(1.115)	16985	0.25000	0.27756
228 Kepone	272	Compound Not Detected.					

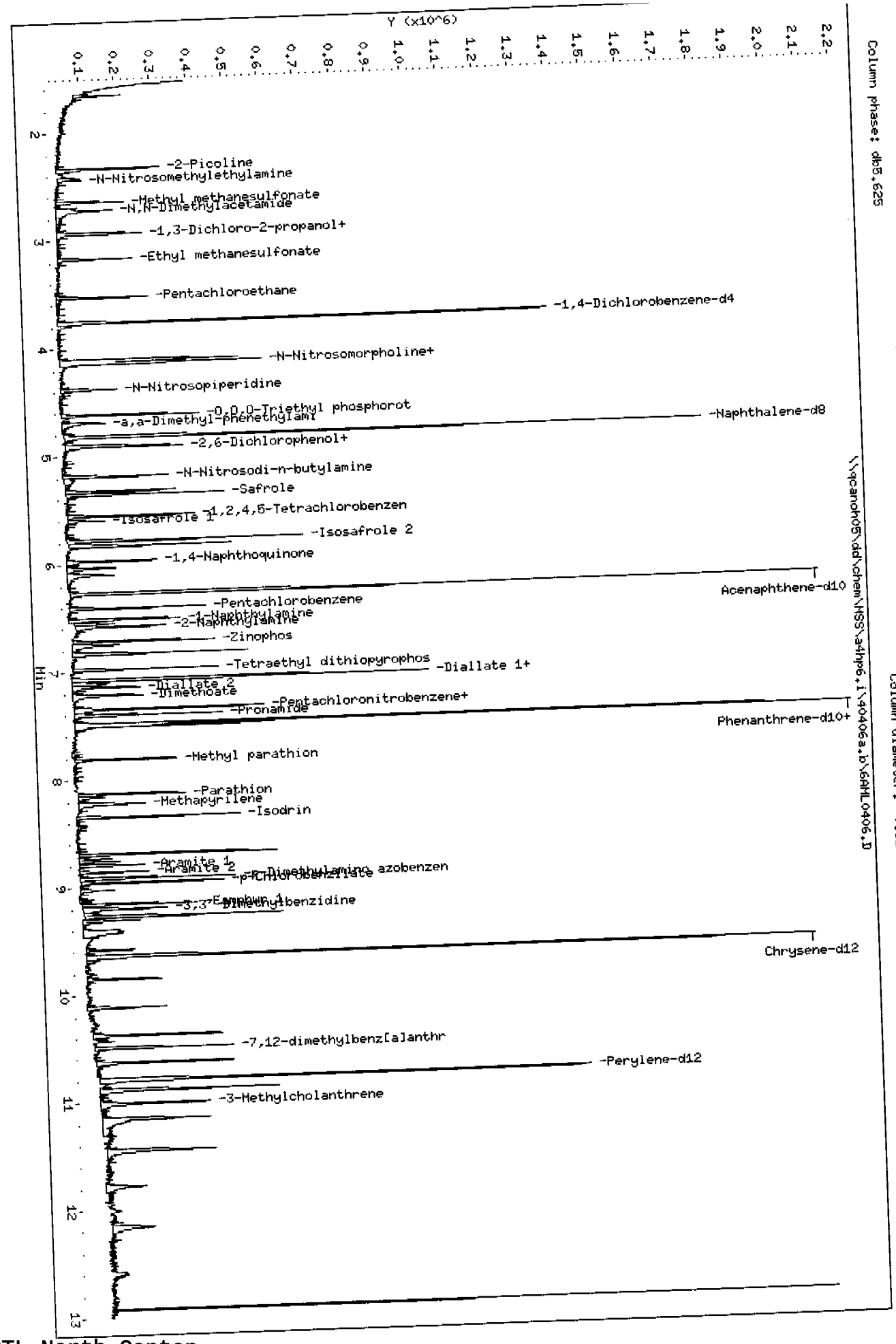
QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40406a.b\6AHL0406.D
Date : 06-APR-2004 20:24
Client ID:
Sample Info: 13,40406a,b,8270p,2-ap9,sub,1,3

Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AML0406.D
Lab Smp Id: 13
Inj Date : 06-APR-2004 20:24
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 13,40406a.b,8270p,2-ap9.sub,1,,3
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:52 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 20:03 Cal File: 6AM0406.D
Als bottle: 18 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.759	3.759	(1.000)	129292	2.00000	
* 2 Naphthalene-d8	136	4.816	4.816	(1.000)	517067	2.00000	
* 3 Acenaphthene-d10	164	6.266	6.266	(1.000)	285361	2.00000	
* 4 Phenanthrene-d10	188	7.480	7.480	(1.000)	512613	2.00000	
* 5 Chrysene-d12	240	9.638	9.638	(1.000)	487788	2.00000	
* 6 Perylene-d12	264	10.784	10.784	(1.000)	326612	2.00000	
7 N-Nitrosomorpholine	56	4.129	4.129	(1.098)	29977	0.50000	0.48270
8 Ethyl methanesulfonate	79	3.168	3.168	(0.843)	62441	0.50000	0.48603
14 2-Picoline	93	2.329	2.329	(0.620)	73059	0.50000	0.46800
15 N-Nitrosomethylethylamine	88	2.430	2.430	(0.646)	26482	0.50000	0.46784
16 Methyl methanesulfonate	80	2.641	2.641	(0.702)	46241	0.50000	0.48371
18 1,3-Dichloro-2-propanol	79	2.939	2.939	(0.782)	87155	0.50000	0.48458
19 N-Nitrosodiethylamine	102	2.926	2.926	(0.778)	32148	0.50000	0.48546
25 Pentachloroethane	167	3.523	3.523	(0.937)	17097	0.50000	0.48638
36 N-Nitrosopyrrolidine	100	4.101	4.101	(1.091)	27641	0.50000	0.46381
39 o-Toluidine	106	4.129	4.129	(1.098)	91213	0.50000	0.44731
40 N-Nitrosopiperidine	114	4.376	4.376	(0.909)	24860	0.50000	0.45150
45 O,O,O-Triethyl phosphorothioa	198	4.616	4.616	(0.958)	24514	0.50000	0.50748
53 a,a-Dimethyl-phenethylamine	58	4.690	4.690	(0.974)	76025	0.50000	0.28858
54 2,6-Dichlorophenol	162	4.896	4.896	(1.017)	25300	0.50000	0.37144
55 Hexachloropropene	213	4.906	4.906	(1.019)	30234	0.50000	0.48407
58 N-Nitrosodi-n-butylamine	84	5.181	5.181	(1.076)	44544	0.50000	0.42828
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	5.351	5.351	(1.111)	34514	0.50000	0.49112
65 1,2,4,5-Tetrachlorobenzene	216	5.552	5.552	(0.886)	40384	0.50000	0.48633
71 Isosafrole 1	162	5.595	5.595	(0.893)	11494	0.50000	0.51919(Q)
72 Isosafrole 2	162	5.780	5.780	(0.922)	63440	0.50000	0.47358
75 1,4-Naphthoquinone	158	5.968	5.968	(0.952)	26547	0.50000	0.44347
84 Pentachlorobenzene	250	6.403	6.403	(1.022)	34450	0.50000	0.50832
89 1-Naphthylamine	143	6.508	6.508	(1.039)	71593	0.50000	0.40019
92 2-Naphthylamine	143	6.575	6.575	(1.049)	71960	0.50000	0.40943
90 Zinophos	97	6.714	6.714	(1.071)	31569	0.50000	0.48238
102 Tetraethyl dithiopyrophosphat	202	6.974	6.974	(0.932)	13379	0.50000	0.50160

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.069	7.069	(0.945)	113536	0.50000	0.50160
109 Diallate 2	86	7.138	7.138	(0.954)	23704	0.50000	0.49230
104 Phorate	121	7.074	7.074	(0.946)	19130	0.50000	0.46863(Q)
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
110 Dimethoate	87	7.213	7.213	(0.964)	42480	0.50000	0.39017
112 Pentachloronitrobenzene	237	7.344	7.344	(0.982)	12078	0.50000	0.49602
113 4-Aminobiphenyl	169	7.344	7.344	(0.982)	90962	0.50000	0.45773
114 Pronamide	173	7.400	7.400	(0.989)	40444	0.50000	0.45883
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	7.501	7.501	(1.003)	77325	0.50000	0.48096
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	8.216	8.216	(1.098)	53800	0.50000	0.44798
126 Aramite 1	185	8.792	8.792	(0.912)	7856	0.50000	0.45879
127 Aramite 2	185	8.853	8.853	(0.919)	9497	0.50000	0.46186
128 p-Dimethylamino azobenzene	225	8.912	8.912	(0.925)	30080	0.50000	0.43495
129 p-Chlorobenzilate	139	8.951	8.951	(0.929)	49248	0.50000	0.47114
130 Famphur 1	218	9.154	9.154	(0.950)	50358	0.50000	1.0681
132 3,3'-Dimethylbenzidine	212	9.195	9.195	(0.954)	58536	0.50000	0.41576
134 2-Acetylaminofluorene	181	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	10.486	10.486	(0.972)	49945	0.50000	0.39088
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.006	11.006	(1.021)	58944	0.50000	0.40600
193 3-Methylphenol	108	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	2.715	2.715	(0.722)	32954	0.50000	0.43313(H)
225 Methyl parathion	109	7.809	7.809	(1.044)	34042	0.50000	0.41763
226 Parathion	97	8.131	8.131	(1.087)	24289	0.50000	0.40250
227 Isodrin	66	8.342	8.342	(1.115)	25846	0.50000	0.49455
228 Kepone	272	Compound Not Detected.					

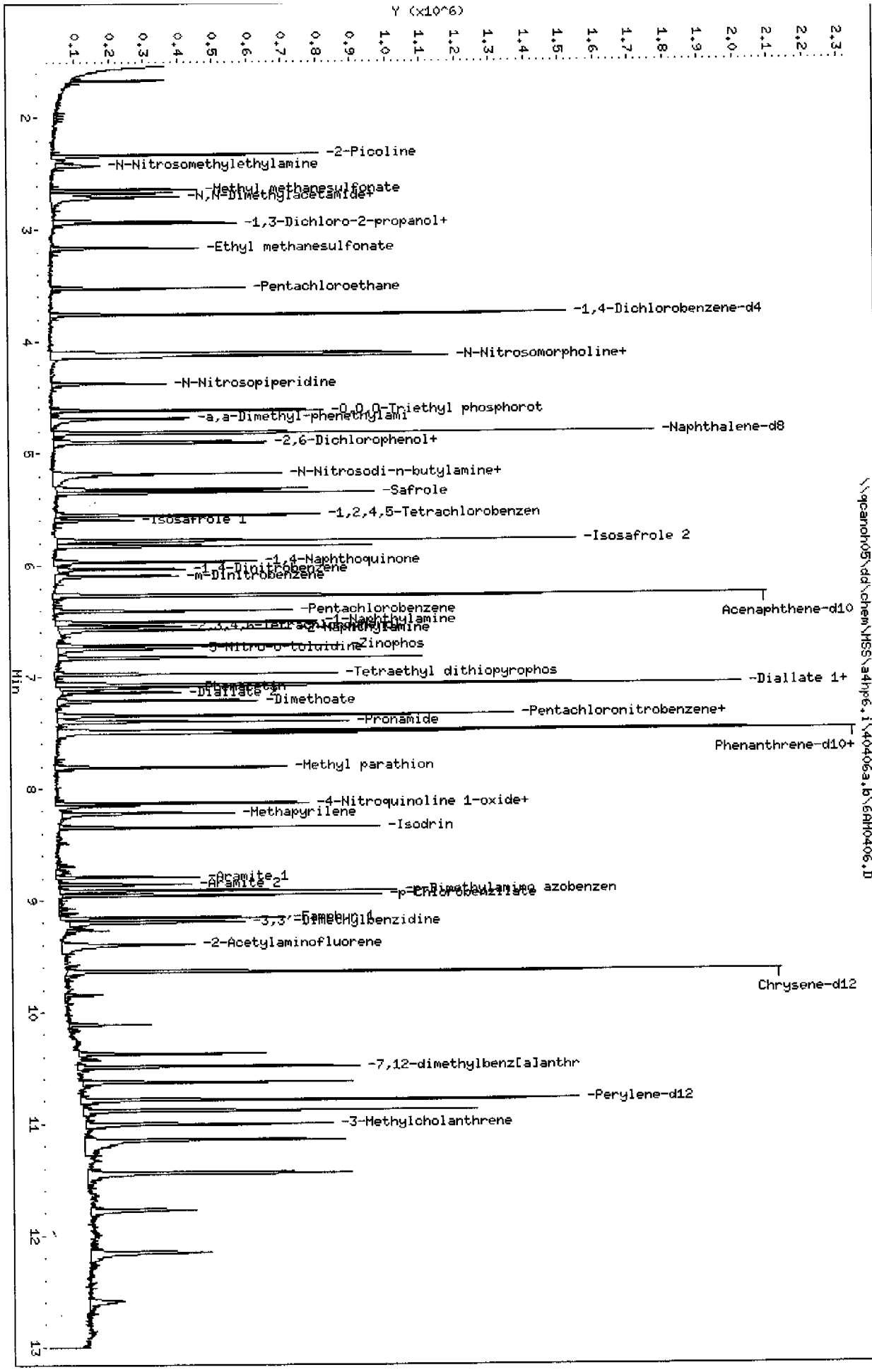
QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AM0406.D
Date : 06-APR-2004 20:03
Client ID:
Sample Info: 14,40406a.b,827Op,2-ap9,sub,1,,4

Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AM0406.D
Report Date: 07-Apr-2004 10:52

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AM0406.D
Lab Smp Id: 14
Inj Date : 06-APR-2004 20:03
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 14,40406a.b,8270p,2-ap9.sub,1,,4
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:52 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 19:42 Cal File: 6AMM0406.D
Als bottle: 17 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

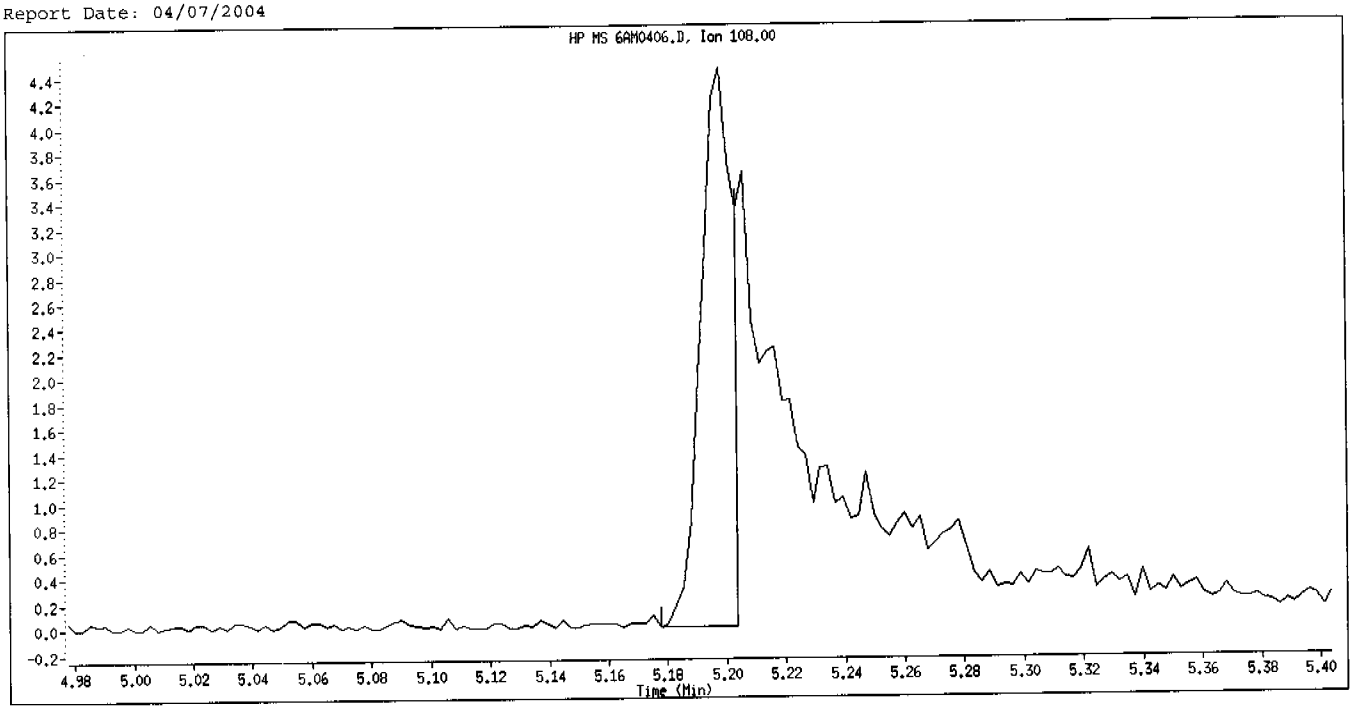
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.758	3.758	(1.000)	134718	2.00000	
* 2 Naphthalene-d8	136	4.815	4.815	(1.000)	528798	2.00000	
* 3 Acenaphthene-d10	164	6.268	6.268	(1.000)	289533	2.00000	
* 4 Phenanthrene-d10	188	7.481	7.481	(1.000)	526030	2.00000	
* 5 Chrysene-d12	240	9.636	9.636	(1.000)	493484	2.00000	
* 6 Perylene-d12	264	10.783	10.783	(1.000)	316404	2.00000	
7 N-Nitrosomorpholine	56	4.128	4.128	(1.099)	67795	1.00000	1.0578
8 Ethyl methanesulfonate	79	3.164	3.164	(0.842)	134989	1.00000	1.0101
14 2-Picoline	93	2.328	2.328	(0.620)	164129	1.00000	1.0109
15 N-Nitrosomethylethylamine	88	2.426	2.426	(0.646)	59667	1.00000	1.0140
16 Methyl methanesulfonate	80	2.637	2.637	(0.702)	102253	1.00000	1.0320
18 1,3-Dichloro-2-propanol	79	2.943	2.943	(0.783)	188452	1.00000	1.0067
19 N-Nitrosodiethylamine	102	2.922	2.922	(0.778)	69742	1.00000	1.0129
25 Pentachloroethane	167	3.524	3.524	(0.938)	38741	1.00000	1.0701
36 N-Nitrosopyrrolidine	100	4.097	4.097	(1.090)	62588	1.00000	1.0095
39 o-Toluidine	106	4.131	4.131	(1.099)	208351	1.00000	0.97681
40 N-Nitrosopiperidine	114	4.372	4.372	(0.908)	55465	1.00000	0.98205
45 O,O,O-Triethyl phosphorothioa	198	4.614	4.614	(0.958)	50217	1.00000	1.0199
53 a,a-Dimethyl-phenethylamine	58	4.684	4.684	(0.973)	230439	1.00000	0.83127
54 2,6-Dichlorophenol	162	4.892	4.892	(1.016)	64001	1.00000	0.90411
55 Hexachloropropene	213	4.907	4.907	(1.019)	63484	1.00000	0.99266
58 N-Nitrosodi-n-butylamine	84	5.180	5.180	(1.076)	108577	1.00000	1.0250
60 p-Phenylene diamine	108	5.198	5.198	(1.080)	89189	1.00000	0.72707(M)
61 Safrole	162	5.350	5.350	(1.111)	69726	1.00000	0.96441
65 1,2,4,5-Tetrachlorobenzene	216	5.550	5.550	(0.886)	86689	1.00000	1.0349
71 Isosafrole 1	162	5.594	5.594	(0.893)	20881	1.00000	0.91671
72 Isosafrole 2	162	5.779	5.779	(0.922)	141247	1.00000	1.0474
75 1,4-Naphthoquinone	158	5.967	5.967	(0.952)	60527	1.00000	0.99585
84 Pentachlorobenzene	250	6.404	6.404	(1.022)	68484	1.00000	0.99513
89 1-Naphthylamine	143	6.504	6.504	(1.038)	169784	1.00000	0.92346
92 2-Naphthylamine	143	6.574	6.574	(1.049)	173651	1.00000	0.96872
90 Zinophos	97	6.712	6.712	(1.071)	66569	1.00000	1.0030
102 Tetraethyl dithiopyrophosphat	202	6.975	6.975	(0.932)	28223	1.00000	1.0376

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.070	7.070	(0.945)	233899	1.00000	1.0084
109 Diallate 2	86	7.139	7.139	(0.954)	50488	1.00000	1.0263
104 Phorate	121	7.075	7.075	(0.946)	44495	1.00000	1.0756
105 1,3,5-Trinitrobenzene	213	7.062	7.062	(0.944)	18181	1.00000	0.75430(Q)
108 Phenacetin	108	7.098	7.098	(0.949)	94942	1.00000	0.72571(H)
110 Dimethoate	87	7.214	7.214	(0.964)	110670	1.00000	0.98869
112 Pentachloronitrobenzene	237	7.345	7.345	(0.982)	24501	1.00000	0.97674
113 4-Aminobiphenyl	169	7.342	7.342	(0.981)	208791	1.00000	1.0288
114 Pronamide	173	7.402	7.402	(0.989)	84202	1.00000	0.91820
117 Dinoseb	211	7.494	7.494	(1.002)	35583	1.00000	0.64616
118 Disulfoton	88	7.502	7.502	(1.003)	160675	1.00000	0.96885
121 4-Nitroquinoline 1-oxide	190	8.147	8.147	(1.089)	10915	1.00000	0.36245(Q)
122 Methapyrilene	58	8.217	8.217	(1.098)	118120	1.00000	0.95058
126 Aramite 1	185	8.790	8.790	(0.912)	17566	1.00000	1.0169
127 Aramite 2	185	8.854	8.854	(0.919)	20504	1.00000	0.98283
128 p-Dimethylamino azobenzene	225	8.914	8.914	(0.925)	68195	1.00000	0.96981
129 p-Chlorobenzilate	139	8.952	8.952	(0.929)	105901	1.00000	1.0017
130 Famphur 1	218	9.155	9.155	(0.950)	104978	1.00000	2.8965
132 3,3'-Dimethylbenzidine	212	9.191	9.191	(0.954)	143206	1.00000	1.0065
134 2-Acetylaminofluorene	181	9.394	9.394	(0.975)	88699	1.00000	0.66624
143 7,12-dimethylbenz[a]anthracen	256	10.487	10.487	(0.973)	117831	1.00000	0.94285
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.004	11.004	(1.021)	142303	1.00000	1.0142
193 3-Methylphenol	108	4.113	4.113	(1.094)	110807	1.00000	0.88320
69 1,4-Dinitrobenzene	168	6.031	6.031	(0.962)	27193	1.00000	0.78071
77 m-Dinitrobenzene	168	6.090	6.090	(0.972)	29948	1.00000	0.78921
88 2,3,4,6-Tetrachlorophenol	232	6.545	6.545	(1.044)	34217	1.00000	0.72294
97 5-Nitro-o-toluidine	152	6.743	6.743	(1.076)	37454	1.00000	0.62603(Q)
199 3-Picoline	93	2.670	2.670	(0.711)	95886	1.00000	0.65037(H)
200 N,N-Dimethylacetamide	44	2.704	2.704	(0.719)	81013	1.00000	1.0264
225 Methyl parathion	109	7.808	7.808	(1.044)	80357	1.00000	0.95318
226 Parathion	97	8.129	8.129	(1.087)	57349	1.00000	0.91261
227 Isodrin	66	8.343	8.343	(1.115)	54688	1.00000	1.0238
228 Kepone	272	Compound Not Detected.					

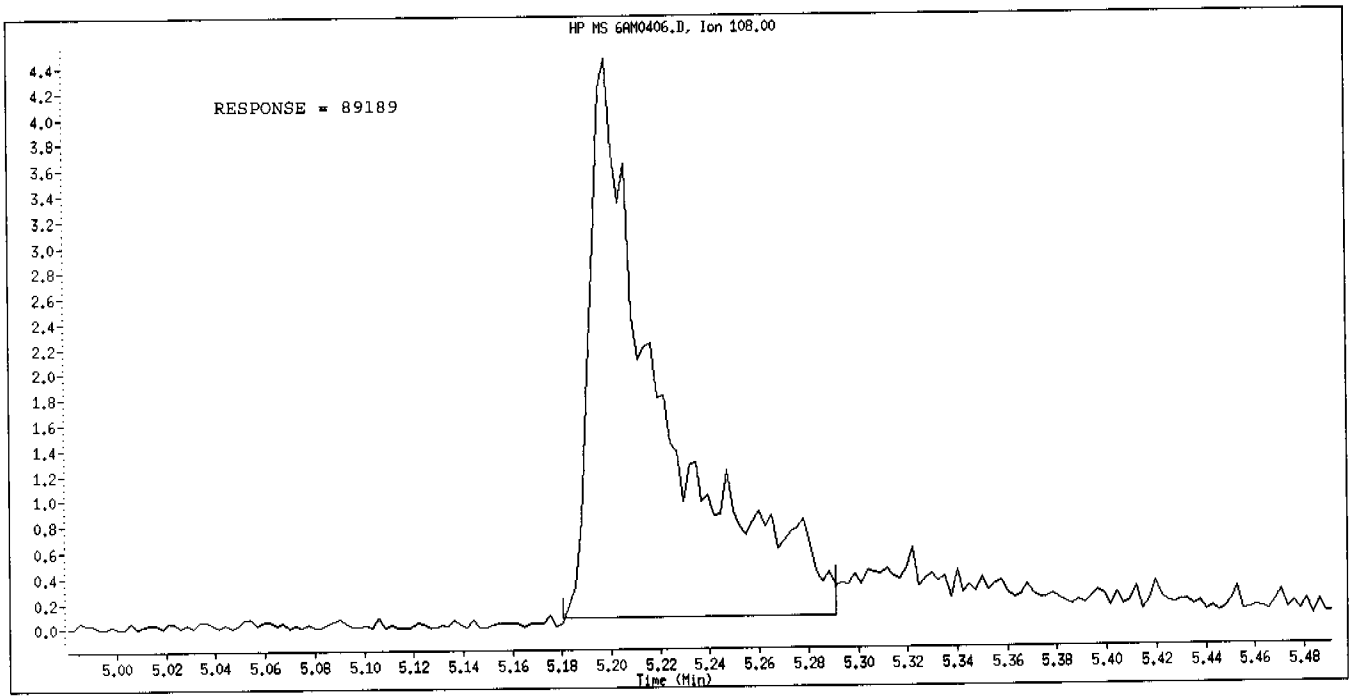
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6AM0406.D
Inj. Date and Time: 06-APR-2004 20:03
Instrument ID: a4hp6.i
Client ID:
Compound Name: p-Phenylene diamine
CAS #: 106-50-3
Report Date: 04/07/2004



Original Integration

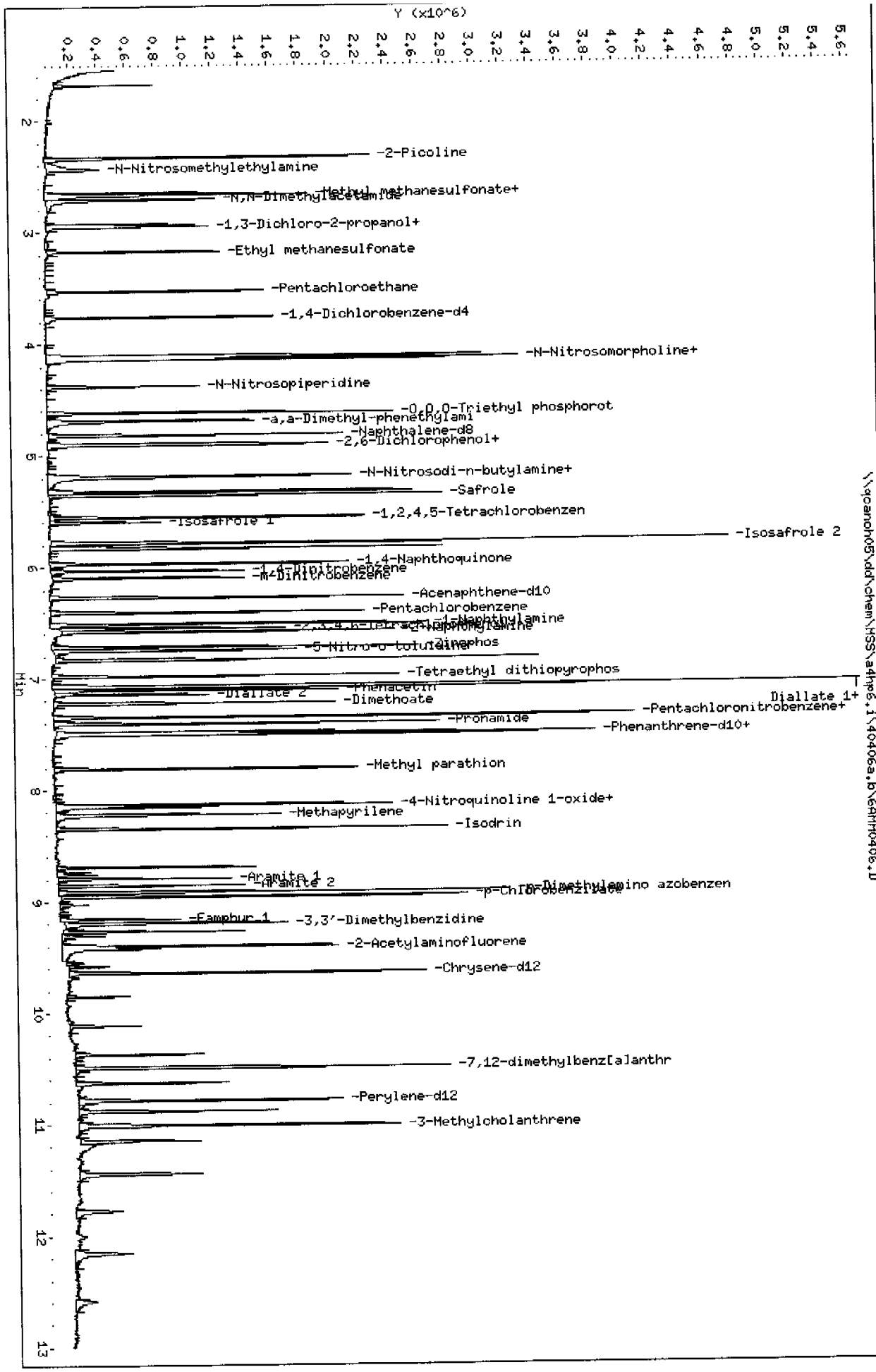


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40406a.b\6AMH0406.D
Date : 06-APR-2004 19:42
Client ID:
Sample Info: 15,40406a,b,8270p,2-ap9,sub,1,5
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AMM0406.D
Lab Smp Id: 15
Inj Date : 06-APR-2004 19:42
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 15,40406a.b,8270p,2-ap9.sub,1,,5
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:52 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 19:21 Cal File: 6AMH0406.D
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.760	3.760	(1.000)	152463	2.00000	
* 2 Naphthalene-d8	136	4.817	4.817	(1.000)	610421	2.00000	
* 3 Acenaphthene-d10	164	6.267	6.267	(1.000)	345811	2.00000	
* 4 Phenanthrene-d10	188	7.484	7.484	(1.000)	623705	2.00000	
* 5 Chrysene-d12	240	9.639	9.639	(1.000)	593092	2.00000	
* 6 Perylene-d12	264	10.785	10.785	(1.000)	396289	2.00000	
7 N-Nitrosomorpholine	56	4.133	4.133	(1.099)	194452	2.50000	2.7302
8 Ethyl methanesulfonate	79	3.174	3.174	(0.844)	378409	2.50000	2.5026
14 2-Picoline	93	2.330	2.330	(0.620)	460373	2.50000	2.5068
15 N-Nitrosomethylethylamine	88	2.436	2.436	(0.648)	156476	2.50000	2.3149
16 Methyl methanesulfonate	80	2.649	2.649	(0.705)	285337	2.50000	2.5561(Q)
18 1,3-Dichloro-2-propanol	79	2.948	2.948	(0.784)	524504	2.50000	2.4698
19 N-Nitrosodiethylamine	102	2.932	2.932	(0.780)	196513	2.50000	2.5274
25 Pentachloroethane	167	3.526	3.526	(0.938)	105592	2.50000	2.5971
36 N-Nitrosopyrrolidine	100	4.105	4.105	(1.092)	190342	2.50000	2.7718
39 o-Toluidine	106	4.136	4.136	(1.100)	596687	2.50000	2.4649
40 N-Nitrosopiperidine	114	4.377	4.377	(0.909)	165234	2.50000	2.5432
45 O,O,O-Triethyl phosphorothioa	198	4.616	4.616	(0.958)	146336	2.50000	2.5939
53 a,a-Dimethyl-phenethylamine	58	4.686	4.686	(0.973)	802359	2.50000	2.5092
54 2,6-Dichlorophenol	162	4.897	4.897	(1.017)	203816	2.50000	2.4928
55 Hexachloropropene	213	4.907	4.907	(1.019)	182900	2.50000	2.4719
58 N-Nitrosodi-n-butylamine	84	5.185	5.185	(1.076)	320193	2.50000	2.6501
60 p-Phenylene diamine	108	5.195	5.195	(1.078)	313677	2.50000	2.1538
61 Safrole	162	5.352	5.352	(1.111)	215663	2.50000	2.6060
65 1,2,4,5-Tetrachlorobenzene	216	5.552	5.552	(0.886)	255129	2.50000	2.5629
71 Isosafrole 1	162	5.594	5.594	(0.893)	67904	2.50000	2.4949
72 Isosafrole 2	162	5.781	5.781	(0.922)	430224	2.50000	2.7176
75 1,4-Naphthoquinone	158	5.967	5.967	(0.952)	201554	2.50000	2.8554
84 Pentachlorobenzene	250	6.404	6.404	(1.022)	211182	2.50000	2.5872
89 1-Naphthylamine	143	6.507	6.507	(1.038)	528985	2.50000	2.3872
92 2-Naphthylamine	143	6.573	6.573	(1.049)	503465	2.50000	2.3171
90 Zinophos	97	6.717	6.717	(1.072)	195456	2.50000	2.4574
102 Tetraethyl dithiopyrophosphat	202	6.977	6.977	(0.932)	82010	2.50000	2.5538

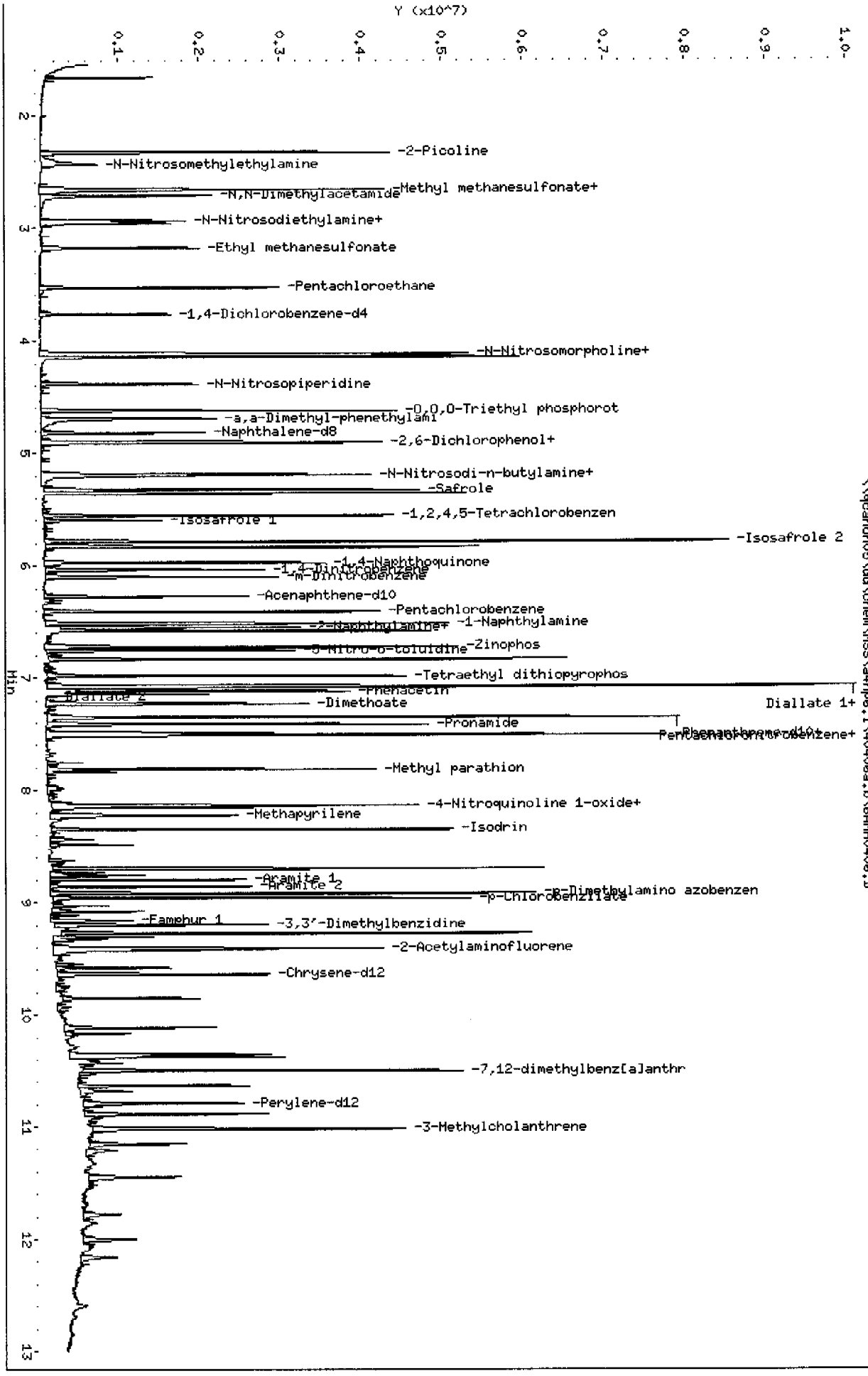
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.072	7.072	(0.945)	699605	2.50000	2.5551
109 Diallate 2	86	7.139	7.139	(0.954)	147102	2.50000	2.5275
104 Phorate	121	7.080	7.080	(0.946)	132049	2.50000	2.7449(Q)
105 1,3,5-Trinitrobenzene	213	7.065	7.065	(0.944)	69706	2.50000	2.4243(Q)
108 Phenacetin	108	7.103	7.103	(0.949)	398184	2.50000	2.5843(H)
110 Dimethoate	87	7.219	7.219	(0.965)	341971	2.50000	2.5965
112 Pentachloronitrobenzene	237	7.345	7.345	(0.981)	73771	2.50000	2.4755
113 4-Aminobiphenyl	169	7.345	7.345	(0.981)	566529	2.50000	2.3205
114 Pronamide	173	7.404	7.404	(0.989)	276167	2.50000	2.5501
117 Dinoseb	211	7.497	7.497	(1.002)	150005	2.50000	2.2518
118 Disulfoton	88	7.504	7.504	(1.003)	496268	2.50000	2.5298
121 4-Nitroquinoline 1-oxide	190	8.150	8.150	(1.089)	61050	2.50000	1.5846(Q)
122 Methapyrilene	58	8.217	8.217	(1.098)	391472	2.50000	2.6994
126 Aramite 1	185	8.793	8.793	(0.912)	53154	2.50000	2.5758
127 Aramite 2	185	8.854	8.854	(0.919)	63525	2.50000	2.5421
128 p-Dimethylamino azobenzene	225	8.913	8.913	(0.925)	216191	2.50000	2.5731
129 p-Chlorobenzilate	139	8.955	8.955	(0.929)	331693	2.50000	2.6397
130 Famphur 1	218	9.155	9.155	(0.950)	136179	2.50000	3.3353
132 3,3'-Dimethylbenzidine	212	9.194	9.194	(0.954)	396459	2.50000	2.2771
134 2-Acetylaminofluorene	181	9.397	9.397	(0.975)	364660	2.50000	2.2298
143 7,12-dimethylbenz[a]anthracen	256	10.490	10.490	(0.973)	379424	2.50000	2.4057
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.009	11.009	(1.021)	431702	2.50000	2.4458
193 3-Methylphenol	108	4.118	4.118	(1.095)	329587	2.50000	2.2805
69 1,4-Dinitrobenzene	168	6.031	6.031	(0.962)	96857	2.50000	2.2889
77 m-Dinitrobenzene	168	6.090	6.090	(0.972)	108004	2.50000	2.3554
88 2,3,4,6-Tetrachlorophenol	232	6.545	6.545	(1.044)	138032	2.50000	2.4276
97 5-Nitro-o-toluidine	152	6.743	6.743	(1.076)	168199	2.50000	2.3199
199 3-Picoline	93	2.662	2.662	(0.708)	400537	2.50000	2.3769(H)
200 N,N-Dimethylacetamide	44	2.706	2.706	(0.720)	219714	2.50000	2.4498
225 Methyl parathion	109	7.808	7.808	(1.043)	255449	2.50000	2.5698
226 Parathion	97	8.129	8.129	(1.086)	182642	2.50000	2.4394
227 Isodrin	66	8.343	8.343	(1.115)	163805	2.50000	2.6088
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\qcanch05\dd\chem\MSS\a4hp6.i\40406a.b\6AHH0406.D
Date : 06-APR-2004 19:21
Client ID:
Sample Info: 16,40406a,b,8270p,2-ap9,sub,1,,6
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AMH0406.D
Lab Smp Id: 16
Inj Date : 06-APR-2004 19:21 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 16,40406a.b,8270p,2-ap9.sub,1,,6
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:52 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 19:00 Cal File: 6AH0406.D
Calibration Sample, Level: 6
Als bottle: 15
Dil Factor: 1.00000 Compound Sublist: 2-ap9.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

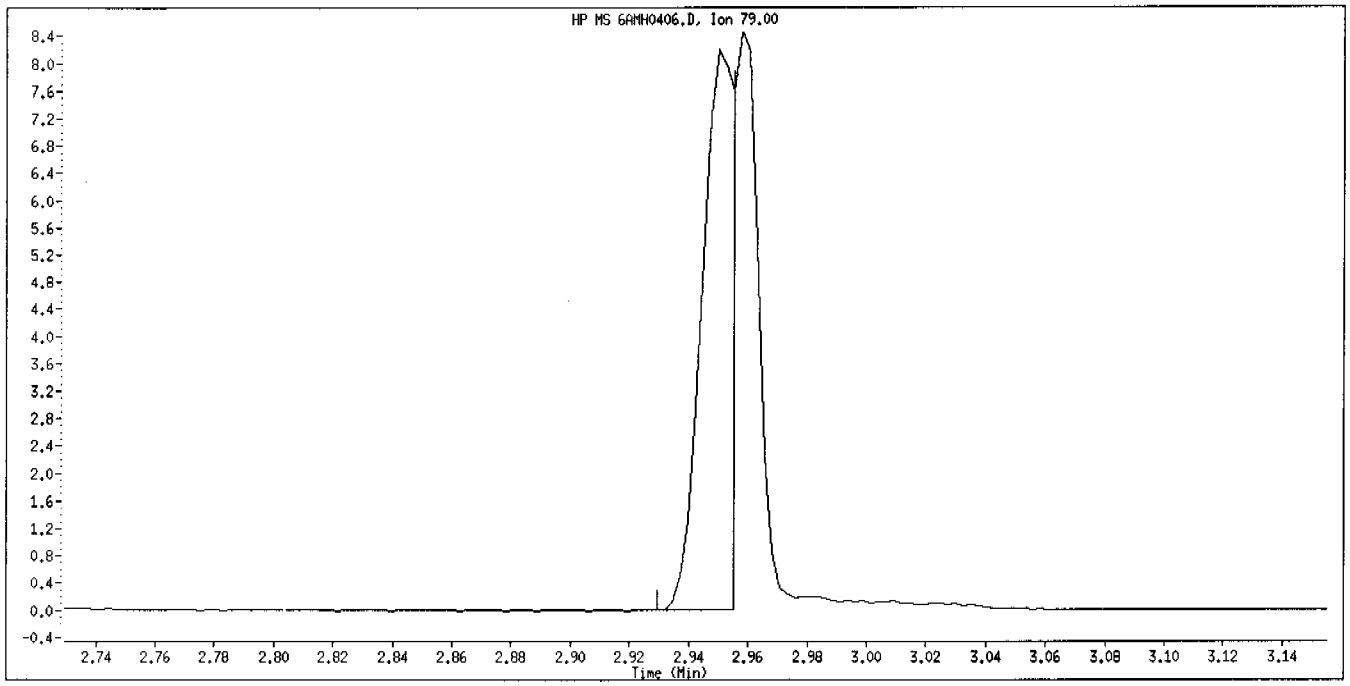
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.760	3.760	(1.000)	147938	2.00000	
* 2 Naphthalene-d8	136	4.816	4.816	(1.000)	594965	2.00000	
* 3 Acenaphthene-d10	164	6.269	6.269	(1.000)	336141	2.00000	
* 4 Phenanthrene-d10	188	7.486	7.486	(1.000)	628371	2.00000	
* 5 Chrysene-d12	240	9.640	9.640	(1.000)	613595	2.00000	
* 6 Perylene-d12	264	10.787	10.787	(1.000)	385594	2.00000	
7 N-Nitrosomorpholine	56	4.138	4.138	(1.101)	368073	5.00000	5.4445
8 Ethyl methanesulfonate	79	3.176	3.176	(0.845)	742632	5.00000	5.0824
14 2-Picoline	93	2.322	2.322	(0.618)	876341	5.00000	4.8908
15 N-Nitrosomethylethylamine	88	2.430	2.430	(0.646)	328486	5.00000	5.0111
16 Methyl methanesulfonate	80	2.651	2.651	(0.705)	553568	5.00000	5.1487
18 1,3-Dichloro-2-propanol	79	2.957	2.957	(0.787)	1035999	5.00000	5.0368(M)
19 N-Nitrosodiethylamine	102	2.934	2.934	(0.780)	381280	5.00000	5.0720
25 Pentachloroethane	167	3.526	3.526	(0.938)	196881	5.00000	4.9875
36 N-Nitrosopyrrolidine	100	4.112	4.112	(1.094)	374749	5.00000	5.8682(H)
39 o-Toluidine	106	4.140	4.140	(1.101)	1179928	5.00000	5.0312
40 N-Nitrosopiperidine	114	4.382	4.382	(0.910)	316539	5.00000	4.9980
45 O,O,O-Triethyl phosphorothioa	198	4.618	4.618	(0.959)	281428	5.00000	5.1588
53 a,a-Dimethyl-phenethylamine	58	4.688	4.688	(0.973)	1464272	5.00000	4.6055
54 2,6-Dichlorophenol	162	4.899	4.899	(1.017)	403776	5.00000	5.0892
55 Hexachloropropene	213	4.909	4.909	(1.019)	359734	5.00000	4.9842
58 N-Nitrosodi-n-butylamine	84	5.187	5.187	(1.077)	635003	5.00000	5.5369
60 p-Phenylene diamine	108	5.200	5.200	(1.080)	689043	5.00000	4.8074
61 Safrole	162	5.354	5.354	(1.112)	413920	5.00000	5.1770
65 1,2,4,5-Tetrachlorobenzene	216	5.552	5.552	(0.886)	485142	5.00000	5.0184
71 Isosafrole 1	162	5.593	5.593	(0.892)	130354	5.00000	4.9035
72 Isosafrole 2	162	5.783	5.783	(0.922)	820796	5.00000	5.4555
75 1,4-Naphthoquinone	158	5.968	5.968	(0.952)	362341	5.00000	5.3818
84 Pentachlorobenzene	250	6.406	6.406	(1.022)	400088	5.00000	5.0568
89 1-Naphthylamine	143	6.511	6.511	(1.039)	1066079	5.00000	4.9327
92 2-Naphthylamine	143	6.578	6.578	(1.049)	1025606	5.00000	4.8098
90 Zinophos	97	6.722	6.722	(1.072)	390226	5.00000	5.0632
102 Tetraethyl dithiopyrophosphat	202	6.982	6.982	(0.933)	164058	5.00000	5.0949

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.077	7.077	(0.945)	1374112	5.00000	4.9751
109 Diallate 2	86	7.144	7.144	(0.954)	294862	5.00000	5.0383
104 Phorate	121	7.084	7.084	(0.946)	248260	5.00000	5.1643(Q)
105 1,3,5-Trinitrobenzene	213	7.069	7.069	(0.944)	142209	5.00000	4.8797(Q)
108 Phenacetin	108	7.115	7.115	(0.951)	812186	5.00000	5.3142(H)
110 Dimethoate	87	7.228	7.228	(0.966)	702721	5.00000	5.4026
112 Pentachloronitrobenzene	237	7.347	7.347	(0.981)	153924	5.00000	5.1704
113 4-Aminobiphenyl	169	7.349	7.349	(0.982)	1250266	5.00000	5.1113
114 Pronamide	173	7.411	7.411	(0.990)	540793	5.00000	4.9422
117 Dinoseb	211	7.501	7.501	(1.002)	325504	5.00000	4.8019
118 Disulfoton	88	7.509	7.509	(1.003)	997004	5.00000	5.0598
121 4-Nitroquinoline 1-oxide	190	8.157	8.157	(1.090)	165612	5.00000	4.0677
122 Methapyrilene	58	8.221	8.221	(1.098)	661841	5.00000	4.3922
126 Aramite 1	185	8.794	8.794	(0.912)	109499	5.00000	5.1733
127 Aramite 2	185	8.859	8.859	(0.919)	138974	5.00000	5.5137
128 p-Dimethylamino azobenzene	225	8.918	8.918	(0.925)	438219	5.00000	5.0553
129 p-Chlorobenzilate	139	8.959	8.959	(0.929)	639624	5.00000	4.8942
130 Famphur 1	218	9.157	9.157	(0.950)	187348	5.00000	4.2743
132 3,3'-Dimethylbenzidine	212	9.196	9.196	(0.954)	665692	5.00000	3.4000
134 2-Acetylaminofluorene	181	9.404	9.404	(0.975)	839551	5.00000	4.9495
143 7,12-dimethylbenz[a]anthracen	256	10.494	10.494	(0.973)	751718	5.00000	4.8655
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.016	11.016	(1.021)	858074	5.00000	4.9950
193 3-Methylphenol	108	4.122	4.122	(1.096)	719934	5.00000	5.1800
69 1,4-Dinitrobenzene	168	6.033	6.033	(0.962)	202309	5.00000	4.8918
77 m-Dinitrobenzene	168	6.094	6.094	(0.972)	217413	5.00000	4.8386
88 2,3,4,6-Tetrachlorophenol	232	6.550	6.550	(1.045)	274875	5.00000	4.9645
97 5-Nitro-o-toluidine	152	6.753	6.753	(1.077)	353756	5.00000	5.0263
199 3-Picoline	93	2.656	2.656	(0.707)	807389	5.00000	4.9174
200 N,N-Dimethylacetamide	44	2.708	2.708	(0.720)	438710	5.00000	5.0551
225 Methyl parathion	109	7.812	7.812	(1.044)	510471	5.00000	5.1305
226 Parathion	97	8.134	8.134	(1.087)	378821	5.00000	5.0294
227 Isodrin	66	8.344	8.344	(1.115)	319215	5.00000	5.0616
228 Kepone	272	Compound Not Detected.					

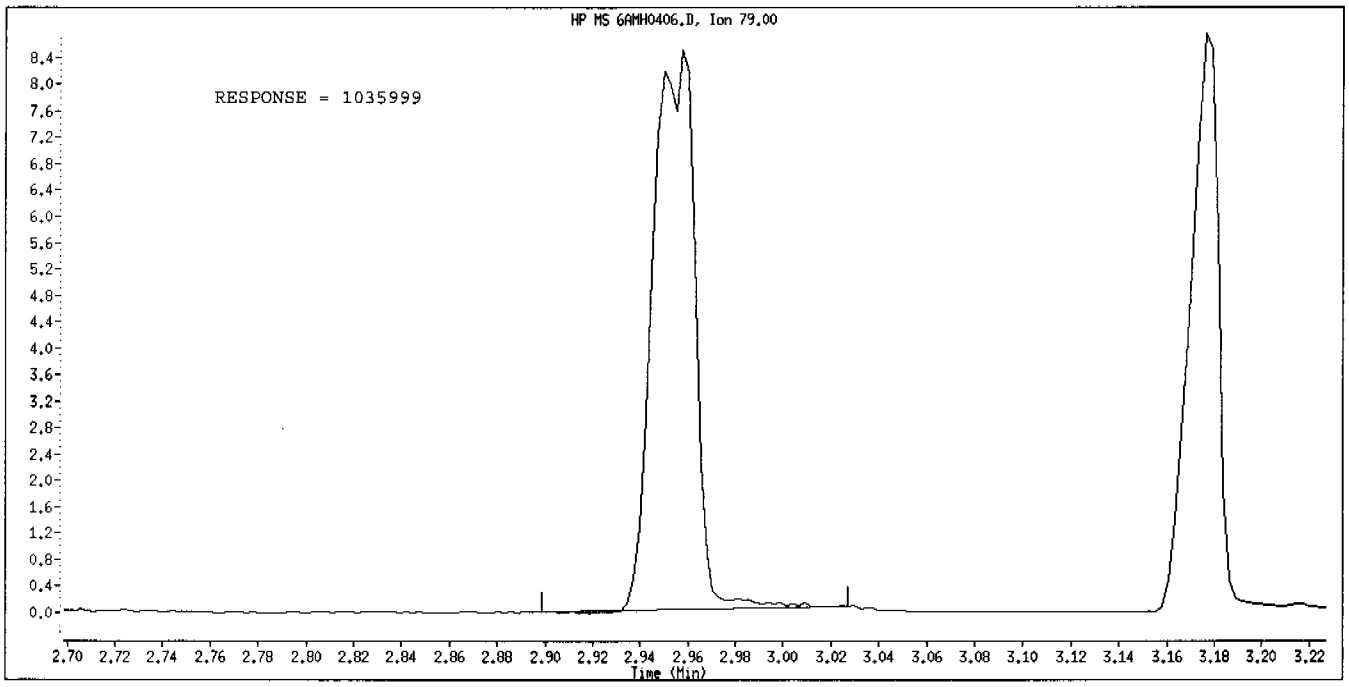
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6AMH0406.D
Inj. Date and Time: 06-APR-2004 19:21
Instrument ID: a4hp6.i
Client ID:
Compound Name: 1,3-Dichloro-2-propanol
CAS #: 96-23-1
Report Date: 04/07/2004



Original Integration

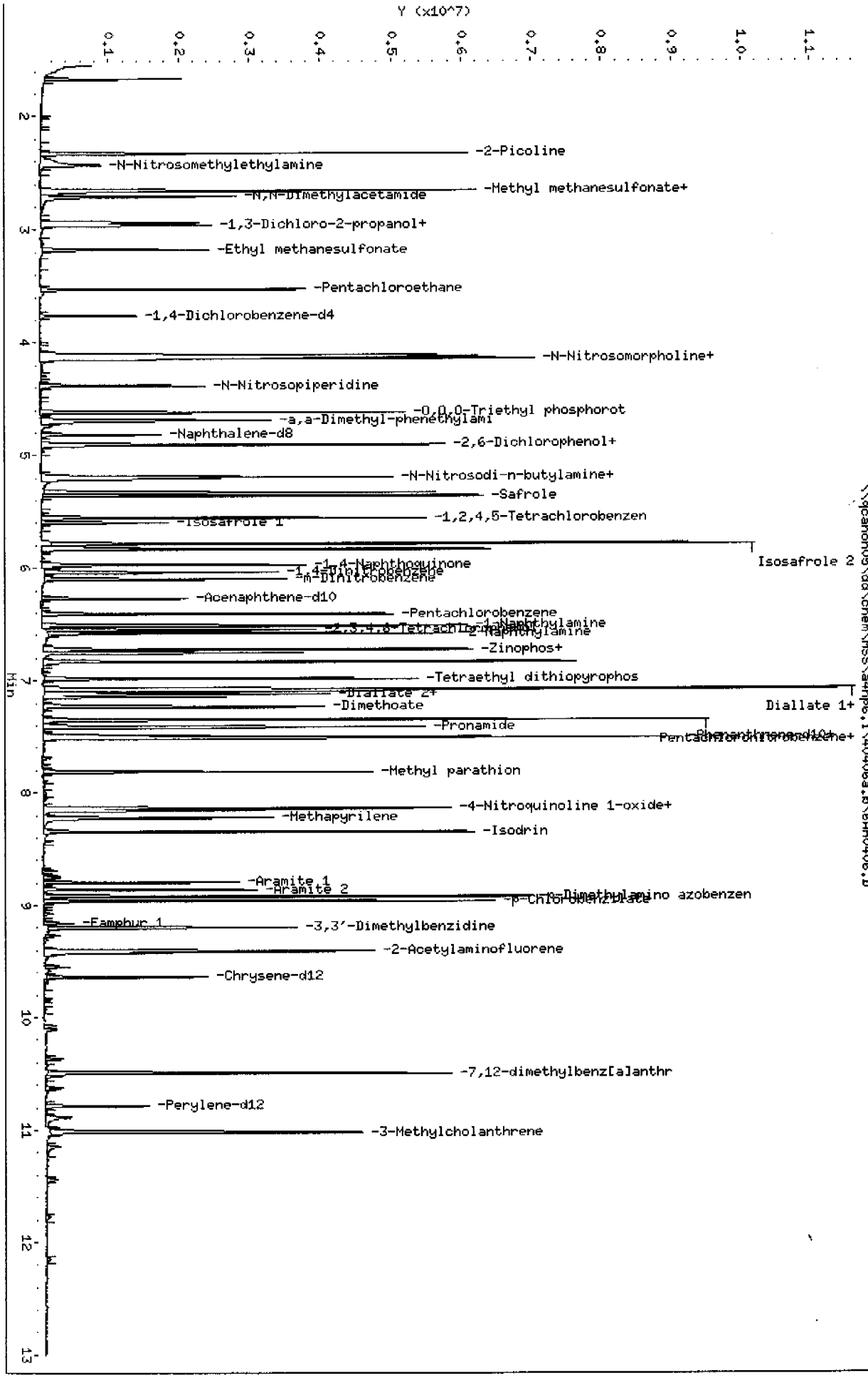


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AH0406.D
Date : 06-APR-2004 19:00
Client ID:
Sample Info: 17,40406a,b,8270p,2-ap9,sub,1,,7
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AH0406.D
Lab Smp Id: 17
Inj Date : 06-APR-2004 19:00
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 17,40406a.b,8270p,2-ap9.sub,1,,7
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:52 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 18:39 Cal File: 6AHH0406.D
Als bottle: 14 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.759	3.759	(1.000)	131853	2.00000	
* 2 Naphthalene-d8	136	4.816	4.816	(1.000)	517257	2.00000	
* 3 Acenaphthene-d10	164	6.269	6.269	(1.000)	288826	2.00000	
* 4 Phenanthrene-d10	188	7.485	7.485	(1.000)	517150	2.00000	
* 5 Chrysene-d12	240	9.638	9.638	(1.000)	507575	2.00000	
* 6 Perylene-d12	264	10.785	10.785	(1.000)	316955	2.00000	
7 N-Nitrosomorpholine	56	4.142	4.142	(1.102)	469347	7.50000	7.9427
8 Ethyl methanesulfonate	79	3.178	3.178	(0.845)	942546	7.50000	7.1130
14 2-Picoline	93	2.324	2.324	(0.618)	1199666	7.50000	7.5182
15 N-Nitrosomethylethylamine	88	2.432	2.432	(0.647)	385683	7.50000	6.2283(Q)
16 Methyl methanesulfonate	80	2.651	2.651	(0.705)	697772	7.50000	7.1772
18 1,3-Dichloro-2-propanol	79	2.957	2.957	(0.787)	1328342	7.50000	7.1252
19 N-Nitrosodiethylamine	102	2.936	2.936	(0.781)	486635	7.50000	7.1504
25 Pentachloroethane	167	3.528	3.528	(0.938)	259610	7.50000	7.3198(H)
36 N-Nitrosopyrrolidine	100	4.114	4.114	(1.094)	443724	7.50000	7.9528
39 o-Toluidine	106	4.140	4.140	(1.101)	1536959	7.50000	7.2817(Q)
40 N-Nitrosopiperidine	114	4.384	4.384	(0.910)	397919	7.50000	7.0976
45 O,O,O-Triethyl phosphorothioa	198	4.621	4.621	(0.959)	351725	7.50000	7.3747
53 a,a-Dimethyl-phenethylamine	58	4.688	4.688	(0.973)	2007607	7.50000	7.1500
54 2,6-Dichlorophenol	162	4.901	4.901	(1.018)	498795	7.50000	7.1041
55 Hexachloropropene	213	4.909	4.909	(1.019)	458127	7.50000	7.2055
58 N-Nitrosodi-n-butylamine	84	5.192	5.192	(1.078)	764204	7.50000	7.7495
60 p-Phenylene diamine	108	5.202	5.202	(1.080)	942010	7.50000	7.5899
61 Safrole	162	5.356	5.356	(1.112)	509244	7.50000	7.2420
65 1,2,4,5-Tetrachlorobenzene	216	5.554	5.554	(0.886)	603324	7.50000	7.1504
71 Isosafrole 1	162	5.595	5.595	(0.893)	166444	7.50000	7.1846
72 Isosafrole 2	162	5.786	5.786	(0.923)	1039392	7.50000	8.3404
75 1,4-Naphthoquinone	158	5.971	5.971	(0.952)	406084	7.50000	6.8018
84 Pentachlorobenzene	250	6.408	6.408	(1.022)	491790	7.50000	7.1080
89 1-Naphthylamine	143	6.513	6.513	(1.039)	1335381	7.50000	7.0458
92 2-Naphthylamine	143	6.580	6.580	(1.050)	1315676	7.50000	7.0313
90 Zinophos	97	6.722	6.722	(1.072)	473569	7.50000	6.9886
102 Tetraethyl dithiopyrophosphat	202	6.984	6.984	(0.933)	197449	7.50000	7.4262

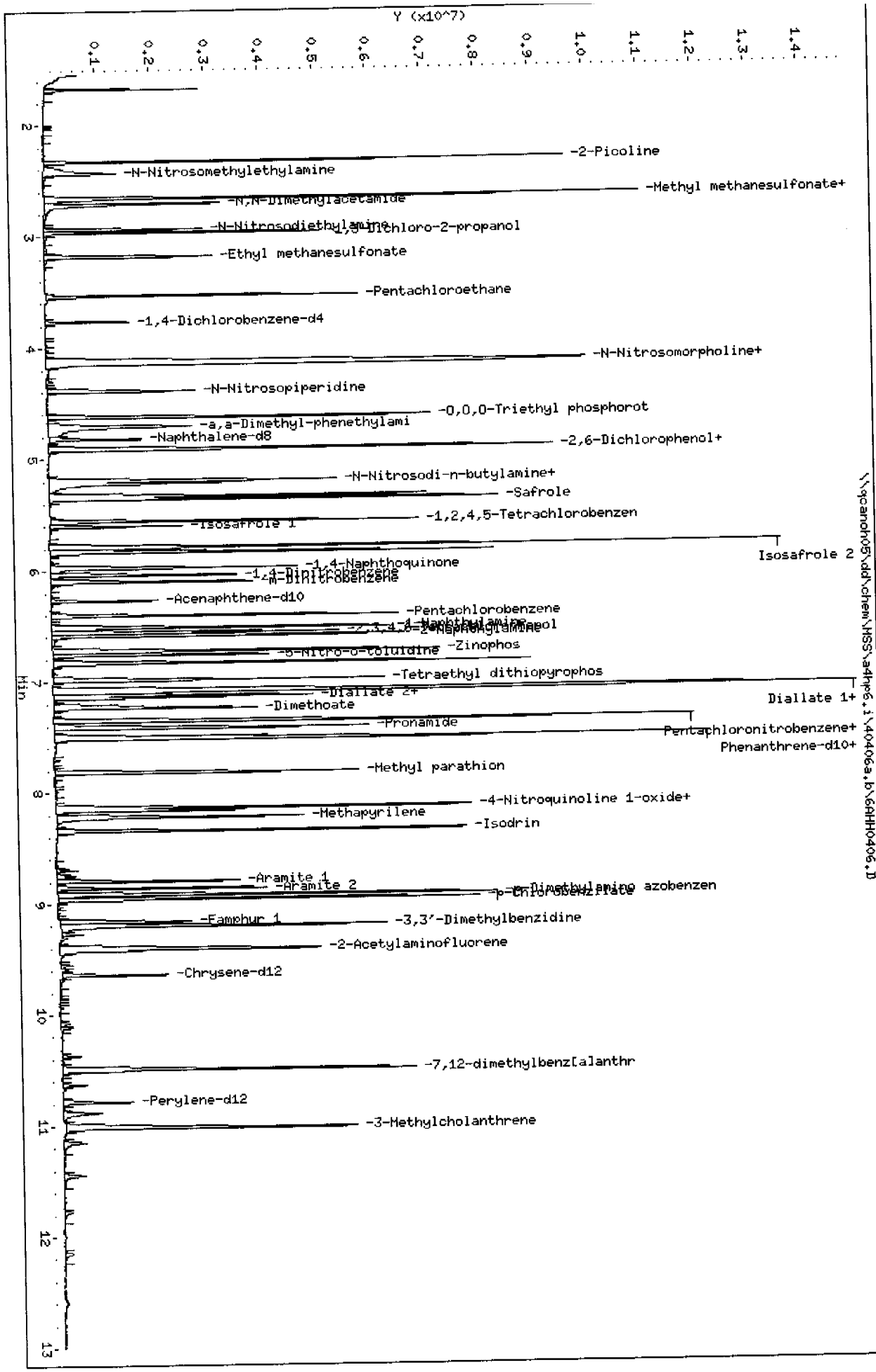
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.076	7.076	(0.945)	1676388	7.50000	7.3138
109 Diallate 2	86	7.143	7.143	(0.954)	359705	7.50000	7.4523
104 Phorate	121	7.084	7.084	(0.946)	308757	7.50000	7.9655(Q)
105 1,3,5-Trinitrobenzene	213	7.071	7.071	(0.945)	176630	7.50000	7.2982(Q)
108 Phenacetin	108	7.120	7.120	(0.951)	1013771	7.50000	8.3723
110 Dimethoate	87	7.233	7.233	(0.966)	795261	7.50000	7.3940
112 Pentachloronitrobenzene	237	7.349	7.349	(0.982)	180645	7.50000	7.3112
113 4-Aminobiphenyl	169	7.352	7.352	(0.982)	1523164	7.50000	7.5997
114 Pronamide	173	7.413	7.413	(0.990)	667183	7.50000	7.3636
117 Dinoseb	211	7.503	7.503	(1.002)	406238	7.50000	7.1773
118 Disulfoton	88	7.511	7.511	(1.003)	1201041	7.50000	7.3600
121 4-Nitroquinoline 1-oxide	190	8.156	8.156	(1.090)	221887	7.50000	6.2558(Q)
122 Methapyrilene	58	8.221	8.221	(1.098)	771627	7.50000	5.7336
126 Aramite 1	185	8.794	8.794	(0.912)	123106	7.50000	6.8178
127 Aramite 2	185	8.858	8.858	(0.919)	161098	7.50000	7.8449
128 p-Dimethylamino azobenzene	225	8.920	8.920	(0.926)	524391	7.50000	7.2229
129 p-Chlorobenzilate	139	8.959	8.959	(0.930)	800823	7.50000	7.3621
130 Famphur 1	218	9.157	9.157	(0.950)	81480	7.50000	1.6644
132 3,3'-Dimethylbenzidine	212	9.195	9.195	(0.954)	920296	7.50000	5.0680
134 2-Acetylaminofluorene	181	9.406	9.406	(0.976)	1013639	7.50000	7.0934
143 7,12-dimethylbenz[a]anthracen	256	10.497	10.497	(0.973)	931414	7.50000	7.2540
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.019	11.019	(1.022)	1048615	7.50000	7.3897
193 3-Methylphenol	108	4.124	4.124	(1.097)	908862	7.50000	7.2582(Q)
69 1,4-Dinitrobenzene	168	6.035	6.035	(0.963)	250135	7.50000	6.8292
77 m-Dinitrobenzene	168	6.097	6.097	(0.973)	278667	7.50000	7.0845
88 2,3,4,6-Tetrachlorophenol	232	6.552	6.552	(1.045)	334555	7.50000	6.8196
97 5-Nitro-o-toluidine	152	6.755	6.755	(1.078)	432729	7.50000	6.9949
199 3-Picoline	93	2.656	2.656	(0.707)	1055459	7.50000	7.0769
200 N,N-Dimethylacetamide	44	2.705	2.705	(0.720)	561410	7.50000	7.1429
225 Methyl parathion	109	7.814	7.814	(1.044)	584840	7.50000	6.9757
226 Parathion	97	8.136	8.136	(1.087)	456241	7.50000	7.2919
227 Isodrin	66	8.347	8.347	(1.115)	389390	7.50000	7.5034
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AHH0406.D
Date : 06-APR-2004 18:39
Client ID:
Sample Info: 18,40406a,b,8270p,2-ap9,sub,1,,8
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AHH0406.D
Lab Smp Id: 18
Inj Date : 06-APR-2004 18:39
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 18,40406a.b,8270p,2-ap9.sub,1,,8
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 10:52 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 18:18 Cal File: 6AHHH406.D
Als bottle: 13 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.758	3.758	(1.000)	145894	2.00000	
* 2 Naphthalene-d8	136	4.820	4.820	(1.000)	578270	2.00000	
* 3 Acenaphthene-d10	164	6.270	6.270	(1.000)	317423	2.00000	
* 4 Phenanthrene-d10	188	7.487	7.487	(1.000)	589724	2.00000	
* 5 Chrysene-d12	240	9.639	9.639	(1.000)	569851	2.00000	
* 6 Perylene-d12	264	10.783	10.783	(1.000)	364891	2.00000	
7 N-Nitrosomorpholine	56	4.149	4.149	(1.104)	650313	10.0000	9.8925
8 Ethyl methanesulfonate	79	3.182	3.182	(0.847)	1502902	10.0000	10.513
14 2-Picoline	93	2.328	2.328	(0.620)	1827653	10.0000	10.728
15 N-Nitrosomethylethylamine	88	2.434	2.434	(0.648)	559129	10.0000	6.8922(Q)
16 Methyl methanesulfonate	80	2.657	2.657	(0.707)	1091519	10.0000	10.298
18 1,3-Dichloro-2-propanol	79	2.966	2.966	(0.789)	2085947	10.0000	10.227
19 N-Nitrosodiethylamine	102	2.940	2.940	(0.782)	772025	10.0000	10.517
25 Pentachloroethane	167	3.529	3.529	(0.939)	402940	10.0000	10.550
36 N-Nitrosopyrrolidine	100	4.123	4.123	(1.097)	609565	10.0000	9.7504
39 o-Toluidine	106	4.146	4.146	(1.103)	2396951	10.0000	10.541(Q)
40 N-Nitrosopiperidine	114	4.391	4.391	(0.911)	638843	10.0000	10.393
45 O,O,O-Triethyl phosphorothioa	198	4.622	4.622	(0.959)	549505	10.0000	10.631
53 a,a-Dimethyl-phenethylamine	58	4.704	4.704	(0.976)	3313736	10.0000	11.179
54 2,6-Dichlorophenol	162	4.907	4.907	(1.018)	806605	10.0000	10.568
55 Hexachloropropene	213	4.910	4.910	(1.019)	733621	10.0000	10.663
58 N-Nitrosodi-n-butylamine	84	5.193	5.193	(1.077)	1023841	10.0000	8.6688
60 p-Phenylene diamine	108	5.213	5.213	(1.082)	1316160	10.0000	9.0216
61 Safrole	162	5.357	5.357	(1.111)	810422	10.0000	10.638
65 1,2,4,5-Tetrachlorobenzene	216	5.555	5.555	(0.886)	952299	10.0000	10.554
71 Isosafrole 1	162	5.597	5.597	(0.893)	259891	10.0000	10.424
72 Isosafrole 2	162	5.789	5.789	(0.923)	1292346	10.0000	8.9321
75 1,4-Naphthoquinone	158	5.972	5.972	(0.952)	685892	10.0000	10.950
84 Pentachlorobenzene	250	6.409	6.409	(1.022)	779065	10.0000	10.504
89 1-Naphthylamine	143	6.517	6.517	(1.039)	2110470	10.0000	10.268
92 2-Naphthylamine	143	6.587	6.587	(1.050)	2114455	10.0000	10.581
90 Zinophos	97	6.728	6.728	(1.073)	753918	10.0000	10.250
102 Tetraethyl dithiopyrophosphat	202	6.988	6.988	(0.933)	304965	10.0000	10.117

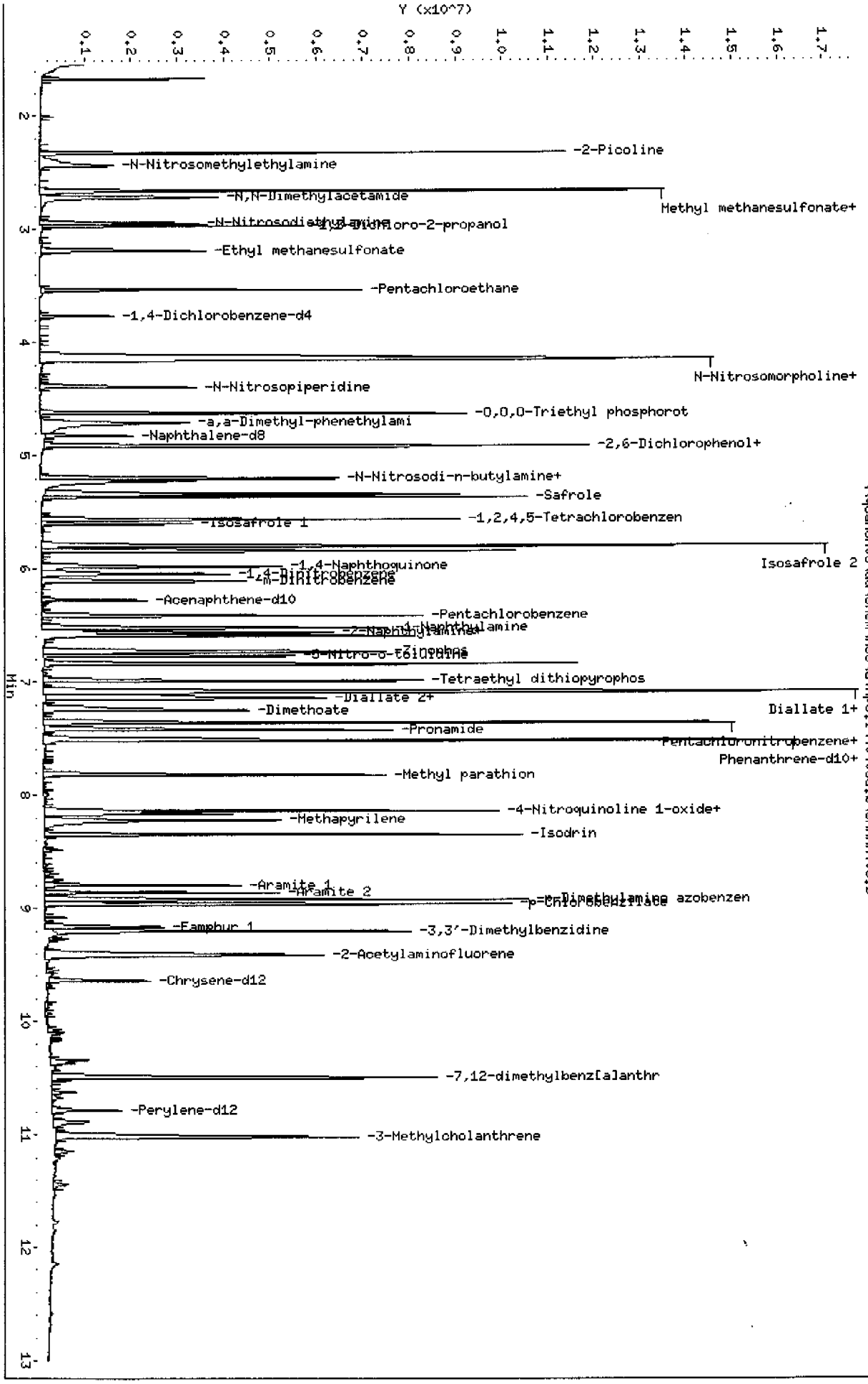
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.078	7.078	(0.945)	2654588	10.0000	10.318
109 Diallate 2	86	7.147	7.147	(0.955)	557567	10.0000	10.263(Q)
104 Phorate	121	7.088	7.088	(0.947)	472063	10.0000	11.459(Q)
105 1,3,5-Trinitrobenzene	213	7.088	7.088	(0.947)	274484	10.0000	9.8920(Q)
108 Phenacetin	108	7.129	7.129	(0.952)	1368221	10.0000	9.8196
110 Dimethoate	87	7.240	7.240	(0.967)	1350596	10.0000	12.252
112 Pentachloronitrobenzene	237	7.353	7.353	(0.982)	286280	10.0000	10.326
113 4-Aminobiphenyl	169	7.355	7.355	(0.982)	2202523	10.0000	9.2992
114 Pronamide	173	7.417	7.417	(0.991)	1044887	10.0000	10.229
117 Dinoseb	211	7.507	7.507	(1.003)	657218	10.0000	10.372
118 Disulfoton	88	7.515	7.515	(1.004)	1883944	10.0000	10.251
121 4-Nitroquinoline 1-oxide	190	8.163	8.163	(1.090)	409596	10.0000	10.257
122 Methapyrilene	58	8.219	8.219	(1.098)	1596160	10.0000	10.835
126 Aramite 1	185	8.795	8.795	(0.913)	206477	10.0000	10.378
127 Aramite 2	185	8.860	8.860	(0.919)	227795	10.0000	9.7638
128 p-Dimethylamino azobenzene	225	8.922	8.922	(0.926)	837546	10.0000	10.567
129 p-Chlorobenzilate	139	8.960	8.960	(0.930)	1251752	10.0000	10.513
130 Famphur 1	218	9.161	9.161	(0.950)	532488	10.0000	9.3956
132 3,3'-Dimethylbenzidine	212	9.199	9.199	(0.954)	2102825	10.0000	10.650
134 2-Acetylaminofluorene	181	9.405	9.405	(0.976)	1609533	10.0000	10.065
143 7,12-dimethylbenz[a]anthracen	256	10.498	10.498	(0.974)	1519005	10.0000	10.568
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.017	11.017	(1.022)	1671047	10.0000	10.469
193 3-Methylphenol	108	4.136	4.136	(1.101)	1413615	10.0000	10.414
69 1,4-Dinitrobenzene	168	6.041	6.041	(0.964)	406179	10.0000	10.182
77 m-Dinitrobenzene	168	6.103	6.103	(0.973)	437256	10.0000	10.232
88 2,3,4,6-Tetrachlorophenol	232	6.556	6.556	(1.046)	545317	10.0000	10.232
97 5-Nitro-o-toluidine	152	6.764	6.764	(1.079)	687516	10.0000	10.227
199 3-Picoline	93	2.660	2.660	(0.708)	1679828	10.0000	10.365
200 N,N-Dimethylacetamide	44	2.709	2.709	(0.721)	894701	10.0000	10.593
225 Methyl parathion	109	7.816	7.816	(1.044)	982721	10.0000	10.574
226 Parathion	97	8.137	8.137	(1.087)	722181	10.0000	10.247
227 Isodrin	66	8.345	8.345	(1.115)	598822	10.0000	10.241
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AHHH406.D
Date : 06-APR-2004 18:18
Client ID:
Sample Info: 19,40406a.b,8270p,2-ap9,sub,1,,9
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6AHHH406.D
Lab Smp Id: 19
Inj Date : 06-APR-2004 18:18
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 19,40406a.b,8270p,2-ap9.sub,1,,9
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 11:43 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 19:42 Cal File: 6AMM0406.D
Als bottle: 12 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.760	3.760	(1.000)	152415	2.00000	
* 2 Naphthalene-d8	136	4.819	4.819	(1.000)	598530	2.00000	
* 3 Acenaphthene-d10	164	6.272	6.272	(1.000)	328648	2.00000	
* 4 Phenanthrene-d10	188	7.488	7.488	(1.000)	611393	2.00000	
* 5 Chrysene-d12	240	9.641	9.641	(1.000)	596055	2.00000	
* 6 Perylene-d12	264	10.785	10.785	(1.000)	381659	2.00000	
7 N-Nitrosomorpholine	56	4.153	4.153	(1.105)	858449	12.5000	11.847
8 Ethyl methanesulfonate	79	3.189	3.189	(0.848)	1866752	12.5000	12.414
14 2-Picoline	93	2.327	2.327	(0.619)	2224653	12.5000	12.245
15 N-Nitrosomethylethylamine	88	2.435	2.435	(0.648)	1059385	12.5000	16.367
16 Methyl methanesulfonate	80	2.662	2.662	(0.708)	1384142	12.5000	12.283
18 1,3-Dichloro-2-propanol	79	2.970	2.970	(0.790)	2663565	12.5000	12.666
19 N-Nitrosodiethylamine	102	2.944	2.944	(0.783)	958596	12.5000	12.230
25 Pentachloroethane	167	3.528	3.528	(0.938)	498761	12.5000	11.862
36 N-Nitrosopyrrolidine	100	4.127	4.127	(1.098)	816386	12.5000	11.804
39 o-Toluidine	106	4.150	4.150	(1.104)	2969559	12.5000	12.655
40 N-Nitrosopiperidine	114	4.392	4.392	(0.911)	795295	12.5000	12.801
45 O,O,O-Triethyl phosphorothioa	198	4.624	4.624	(0.959)	668725	12.5000	11.967
53 a,a-Dimethyl-phenethylamine	58	4.706	4.706	(0.977)	3835189	12.5000	11.989
54 2,6-Dichlorophenol	162	4.909	4.909	(1.019)	987513	12.5000	13.002
55 Hexachloropropene	213	4.912	4.912	(1.019)	890103	12.5000	12.359
58 N-Nitrosodi-n-butylamine	84	5.195	5.195	(1.078)	1528045	12.5000	12.918
60 p-Phenylene diamine	108	5.218	5.218	(1.083)	1887511	12.5000	14.242
61 Safrole	162	5.362	5.362	(1.113)	985633	12.5000	12.126
65 1,2,4,5-Tetrachlorobenzene	216	5.560	5.560	(0.886)	1167761	12.5000	12.128
71 Isosafrole 1	162	5.598	5.598	(0.893)	322667	12.5000	12.552
72 Isosafrole 2	162	5.794	5.794	(0.924)	1872523	12.5000	12.220
75 1,4-Naphthoquinone	158	5.976	5.976	(0.953)	810676	12.5000	11.952
84 Pentachlorobenzene	250	6.411	6.411	(1.022)	959915	12.5000	12.173
89 1-Naphthylamine	143	6.524	6.524	(1.040)	2660113	12.5000	13.637
92 2-Naphthylamine	143	6.591	6.591	(1.051)	2586369	12.5000	13.117
90 Zinophos	97	6.730	6.730	(1.073)	951929	12.5000	13.074
102 Tetraethyl dithiopyrophosphat	202	6.989	6.989	(0.933)	390625	12.5000	12.400

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.082	7.082	(0.946)	3334293	12.5000	12.231
109 Diallate 2	86	7.149	7.149	(0.955)	704030	12.5000	12.288
104 Phorate	121	7.092	7.092	(0.947)	533875	12.5000	10.989
105 1,3,5-Trinitrobenzene	213	7.100	7.100	(0.948)	359594	12.5000	13.384
108 Phenacetin	108	7.139	7.139	(0.953)	1805684	12.5000	12.444
110 Dimethoate	87	7.249	7.249	(0.968)	1428610	12.5000	11.358
112 Pentachloronitrobenzene	237	7.357	7.357	(0.982)	359272	12.5000	12.428
113 4-Aminobiphenyl	169	7.360	7.360	(0.983)	3069426	12.5000	13.453
114 Pronamide	173	7.421	7.421	(0.991)	1323827	12.5000	12.848
117 Dinoseb	211	7.514	7.514	(1.003)	821158	12.5000	12.357
118 Disulfoton	88	7.517	7.517	(1.004)	2381580	12.5000	12.515
121 4-Nitroquinoline 1-oxide	190	8.167	8.167	(1.091)	517507	12.5000	12.199
122 Methapyrilene	58	8.221	8.221	(1.098)	1909100	12.5000	13.941
126 Aramite 1	185	8.800	8.800	(0.913)	260135	12.5000	12.669
127 Aramite 2	185	8.864	8.864	(0.919)	305041	12.5000	12.223
128 p-Dimethylamino azobenzene	225	8.926	8.926	(0.926)	1036354	12.5000	12.629
129 p-Chlorobenzilate	139	8.962	8.962	(0.930)	1556815	12.5000	12.194
130 Famphur 1	218	9.162	9.162	(0.950)	741000	12.5000	10.035
132 3,3'-Dimethylbenzidine	212	9.201	9.201	(0.954)	2581686	12.5000	11.776
134 2-Acetylaminofluorene	181	9.412	9.412	(0.976)	2090763	12.5000	12.460
143 7,12-dimethylbenz[a]anthracen	256	10.502	10.502	(0.974)	1879287	12.5000	13.165
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.024	11.024	(1.022)	2086957	12.5000	12.901
193 3-Methylphenol	108	4.143	4.143	(1.102)	1772623	12.5000	12.736
69 1,4-Dinitrobenzene	168	6.043	6.043	(0.964)	516253	12.5000	13.553
77 m-Dinitrobenzene	168	6.107	6.107	(0.974)	553053	12.5000	13.307
88 2,3,4,6-Tetrachlorophenol	232	6.563	6.563	(1.046)	689782	12.5000	13.461
97 5-Nitro-o-toluidine	152	6.768	6.768	(1.079)	870032	12.5000	12.423
199 3-Picoline	93	2.659	2.659	(0.707)	2116342	12.5000	12.373
200 N,N-Dimethylacetamide	44	2.716	2.716	(0.722)	1102966	12.5000	12.559
225 Methyl parathion	109	7.820	7.820	(1.044)	1204419	12.5000	13.168
226 Parathion	97	8.141	8.141	(1.087)	913363	12.5000	13.379
227 Isodrin	66	8.350	8.350	(1.115)	757774	12.5000	12.010
228 Kepone	272	Compound Not Detected.					

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i
Lab File ID: ICVAP9.D
Analysis Type:
Lab Sample ID: icvap9
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m

Injection Date: 06-APR-2004 21:06
Init. Cal. Date(s): 06-APR-2004 06-APR-2004
Init. Cal. Times: 14:47 20:45
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 N-Nitrosomorpholine	0.95083	1.02980	1.02980	0.010	-8.30570	50.00000	Averaged
8 Ethyl methanesulfonate	1.97316	2.07693	2.07693	0.010	-5.25916	50.00000	Averaged
14 2-Picoline	2.38399	2.52084	2.52084	0.010	-5.74070	50.00000	Averaged
15 N-Nitrosomethylethylamine	0.84934	0.87215	0.87215	0.010	-2.68500	50.00000	Averaged
16 Methyl methanesulfonate	1.47872	1.50175	1.50175	0.010	-1.55726	50.00000	Averaged
18 1,3-Dichloro-2-propanol	2.75949	2.96022	2.96022	0.010	-7.27421	50.00000	Averaged
19 N-Nitrosodiethylamine	1.02852	1.06524	1.06524	0.010	-3.57014	50.00000	Averaged
25 Pentachloroethane	0.55173	0.54344	0.54344	0.010	1.50305	50.00000	Averaged
36 N-Nitrosopyrrolidine	0.90756	1.03013	1.03013	0.010	-13.50552	50.00000	Averaged
39 o-Toluidine	3.07914	3.15512	3.15512	0.010	-2.46750	50.00000	Averaged
40 N-Nitrosopiperidine	0.20760	0.22036	0.22036	0.010	-6.14524	50.00000	Averaged
45 O,O,O-Triethyl phosphorothi	0.18672	0.18940	0.18940	0.010	-1.43227	50.00000	Averaged
53 a,a-Dimethyl-phenethylamine	5.00000	5.35049	1.11614	0.010	-7.00970	0.000e+000	Quadratic
54 2,6-Dichlorophenol	0.25378	0.27083	0.27083	0.010	-6.72009	50.00000	Averaged
55 Hexachloropropene	0.24066	0.24161	0.24161	0.010	-0.39532	50.00000	Averaged
58 N-Nitrosodi-n-butylamine	0.39527	0.41618	0.41618	0.010	-5.28829	50.00000	Averaged
60 p-Phenylene diamine	0.44285	0.47991	0.47991	0.010	-8.36893	50.00000	Averaged
61 Safrole	0.27160	0.28367	0.28367	0.010	-4.44604	50.00000	Averaged
65 1,2,4,5-Tetrachlorobenzene	0.58595	0.60129	0.60129	0.010	-2.61782	50.00000	Averaged
71 Isosafrole 1	0.15644	0.16624	0.16624	0.010	-6.26624	50.00000	Averaged
M 188 Isosafrole, Total	1.08891	1.19128	1.19128	0.010	-9.40109	50.00000	Averaged
72 Isosafrole 2	0.93248	1.02504	1.02504	0.010	-9.92701	50.00000	Averaged
75 1,4-Naphthoquinone	0.41278	0.45224	0.45224	0.010	-9.56056	50.00000	Averaged
84 Pentachlorobenzene	0.47987	0.49011	0.49011	0.010	-2.13341	50.00000	Averaged
89 1-Naphthylamine	1.18711	1.30464	1.30464	0.010	-9.90080	50.00000	Averaged
92 2-Naphthylamine	1.19993	1.25606	1.25606	0.010	-4.67762	50.00000	Averaged
90 Zinophos	0.44309	0.47349	0.47349	0.010	-6.86101	50.00000	Averaged
102 Tetraethyl dithiopyrophosph	0.10305	0.10750	0.10750	0.010	-4.32330	50.00000	Averaged
103 Diallate 1	0.89178	0.95719	0.95719	0.010	-7.33386	50.00000	Averaged
M 189 Diallate, Total	4.31452	4.56298	4.56298	0.010	-5.75860	50.00000	Averaged
109 Diallate 2	0.18742	0.20667	0.20667	0.010	-10.26946	50.00000	Averaged
104 Phorate	0.15893	0.16977	0.16977	0.010	-6.81902	50.00000	Averaged
105 1,3,5-Trinitrobenzene	0.08789	0.09668	0.09668	0.010	-9.99966	50.00000	Averaged
108 Phenacetin	0.47467	0.55944	0.55944	0.010	-17.85896	50.00000	Averaged
110 Dimethoate	0.41146	0.47847	0.47847	0.010	-16.28600	50.00000	Averaged
112 Pentachloronitrobenzene	0.09456	0.10394	0.10394	0.010	-9.91381	50.00000	Averaged
113 4-Aminobiphenyl	0.74634	0.81668	0.81668	0.010	-9.42456	50.00000	Averaged
114 Pronamide	0.33705	0.37305	0.37305	0.010	-10.68180	50.00000	Averaged
117 Dinoseb	5.00000	4.96697	0.20714	0.010	0.66066	0.000e+000	Quadratic
118 Disulfoton	0.62253	0.66442	0.66442	0.010	-6.73015	50.00000	Averaged
121 4-Nitroquinoline 1-oxide	5.00000	5.21868	0.11323	0.010	-4.37358	0.000e+000	Quadratic
122 Methapyrilene	0.44797	0.46610	0.46610	0.010	-4.04624	50.00000	Averaged

ICVAP9

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

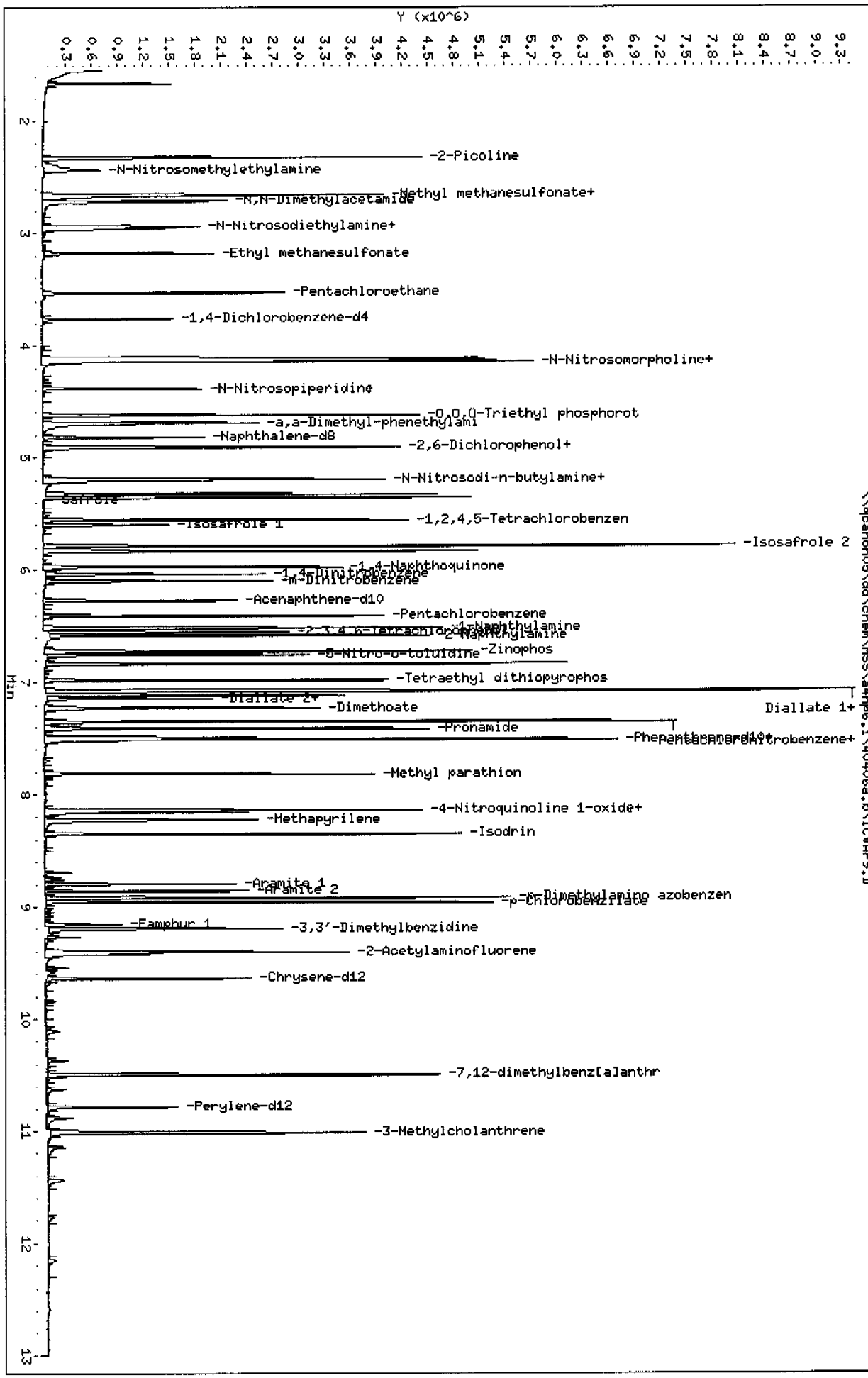
Instrument ID: a4hp6.i
Lab File ID: ICVAP9.D
Analysis Type:
Lab Sample ID: icvap9
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m

Injection Date: 06-APR-2004 21:06
Init. Cal. Date(s): 06-APR-2004 06-APR-2004
Init. Cal. Times: 14:47 20:45
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
126 Aramite 1	0.06890	0.07617	0.07617	0.010	-10.55443	50.00000	Averaged	
M 191 Aramite, Total	0.58594	0.64168	0.64168	0.010	-9.51188	50.00000	Averaged	
127 Aramite 2	0.08374	0.09443	0.09443	0.010	-12.76690	50.00000	Averaged	
128 p Dimethylamino azobenzene	0.27534	0.30836	0.30836	0.010	-11.98980	50.00000	Averaged	
129 p Chlorobenzilate	0.42840	0.46308	0.46308	0.010	-8.09550	50.00000	Averaged	
130 Famphur 1	0.24777	0.11690	0.11690	0.010	52.82059	50.00000	Averaged	<-
132 3,3'-Dimethylbenzidine	5.00000	5.25389	0.51293	0.010	-5.07783	0.000e+000	Quadratic	
134 2-Acetylaminofluorene	5.00000	5.35616	0.57416	0.010	-7.12317	0.000e+000	Quadratic	
143 7,12-dimethylbenz[a]anthrac	0.74806	0.83283	0.83283	0.010	-11.33207	50.00000	Averaged	
144 Hexachlorophene	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
145 Hexachlorophene product	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
148 3-Methylcholanthrene	0.84769	0.92869	0.92869	0.010	-9.55440	50.00000	Averaged	
193 3-Methylphenol	1.82631	1.81716	1.81716	0.010	0.50071	50.00000	Averaged	
69 1,4-Dinitrobenzene	0.23181	0.24145	0.24145	0.010	-4.15916	50.00000	Averaged	
77 m-Dinitrobenzene	0.25291	0.26749	0.26749	0.010	-5.76304	50.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.31185	0.32278	0.32278	0.010	-3.50645	50.00000	Averaged	
97 5-Nitro-o-toluidine	5.00000	5.15246	0.42114	0.010	-3.04912	0.000e+000	Quadratic	
199 3-Picoline	5.00000	5.13468	2.22901	0.010	-2.69356	0.000e+000	Quadratic	
200 N,N-Dimethylacetamide	1.15243	1.30360	1.30360	0.010	-13.11788	50.00000	Averaged	
225 Methyl parathion	0.29920	0.33636	0.33636	0.010	-12.41794	50.00000	Averaged	
226 Parathion	0.22332	0.25305	0.25305	0.010	-13.31077	50.00000	Averaged	
227 Isodrin	0.20639	0.21181	0.21181	0.010	-2.62433	50.00000	Averaged	
228 Kepone	++++	0.01603	0.01603	0.010	++++	50.00000	Averaged	<-

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\ICVAP9.D
Date : 06-APR-2004 21:06
Client ID:
Sample Info: icvap9,40406a.b,8270p,2-ap9.sub,2
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



Page 1

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\ICVAP9.D
Lab Smp Id: icvap9
Inj Date : 06-APR-2004 21:06
Operator : 001710 Inst ID: a4hp6.i
Smp Info : icvap9,40406a.b,8270p,2-ap9.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\8270p.m
Meth Date : 07-Apr-2004 11:20 gruberj Quant Type: ISTD
Cal Date : 06-APR-2004 20:45 Cal File: 6AL0406.D
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

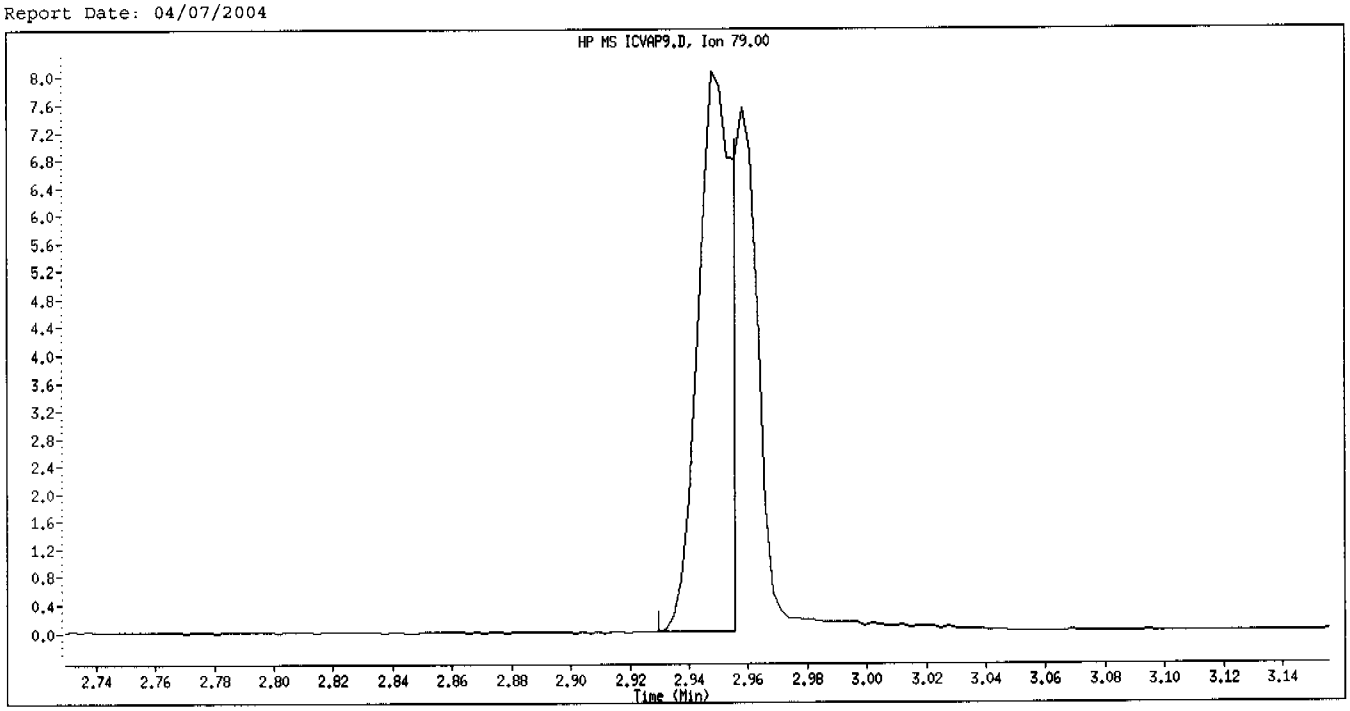
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.757	3.757	(1.000)	138781	2.00000	
* 2 Naphthalene-d8	136	4.817	4.817	(1.000)	557481	2.00000	
* 3 Acenaphthene-d10	164	6.270	6.270	(1.000)	305045	2.00000	
* 4 Phenanthrene-d10	188	7.483	7.483	(1.000)	544103	2.00000	
* 5 Chrysene-d12	240	9.638	9.638	(1.000)	522005	2.00000	
* 6 Perylene-d12	264	10.783	10.783	(1.000)	335729	2.00000	
7 N-Nitrosomorpholine	56	4.138	4.138	(1.101)	357292	5.00000	5.4153
8 Ethyl methanesulfonate	79	3.176	3.176	(0.845)	720596	5.00000	5.2630
14 2-Picoline	93	2.322	2.322	(0.618)	874613	5.00000	5.2870
15 N-Nitrosomethylethylamine	88	2.430	2.430	(0.647)	302594	5.00000	5.1342
16 Methyl methanesulfonate	80	2.649	2.649	(0.705)	521035	5.00000	5.0779
18 1,3-Dichloro-2-propanol	79	2.947	2.947	(0.784)	1027055	5.00000	5.3637(M)
19 N-Nitrosodiethylamine	102	2.934	2.934	(0.781)	369588	5.00000	5.1785
25 Pentachloroethane	167	3.526	3.526	(0.938)	188547	5.00000	4.9248
36 N-Nitrosopyrrolidine	100	4.112	4.112	(1.094)	357406	5.00000	5.6753
39 o-Toluidine	106	4.138	4.138	(1.101)	1094677	5.00000	5.1234
40 N-Nitrosopiperidine	114	4.382	4.382	(0.910)	307112	5.00000	5.3073
45 O,O,O-Triethyl phosphorothioa	198	4.619	4.619	(0.959)	263964	5.00000	5.0716
53 a,a-Dimethyl-phenethylamine	58	4.688	4.688	(0.973)	1555570	5.00000	5.3505
54 2,6-Dichlorophenol	162	4.902	4.902	(1.018)	377463	5.00000	5.3360
55 Hexachloropropene	213	4.909	4.909	(1.019)	336734	5.00000	5.0198
58 N-Nitrosodi-n-butylamine	84	5.190	5.190	(1.077)	580028	5.00000	5.2644
60 p-Phenylene diamine	108	5.200	5.200	(1.080)	668853	5.00000	5.4184
61 Safrole	162	5.354	5.354	(1.112)	395357	5.00000	5.2223
65 1,2,4,5-Tetrachlorobenzene	216	5.552	5.552	(0.886)	458552	5.00000	5.1309
71 Isosafrole 1	162	5.593	5.593	(0.892)	126777	5.00000	5.3133
M 188 Isosafrole, Total	162				908488	5.00000	5.4700
72 Isosafrole 2	162	5.786	5.786	(0.923)	781711	5.00000	5.4964
75 1,4-Naphthoquinone	158	5.969	5.969	(0.952)	344884	5.00000	5.4780
84 Pentachlorobenzene	250	6.406	6.406	(1.022)	373764	5.00000	5.1067
89 1-Naphthylamine	143	6.511	6.511	(1.039)	994938	5.00000	5.4950
92 2-Naphthylamine	143	6.578	6.578	(1.049)	957888	5.00000	5.2339
90 Zinophos	97	6.720	6.720	(1.072)	361092	5.00000	5.3430

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	6.982	6.982	(0.933)	146234	5.00000	5.2162
103 Diallate 1	86	7.074	7.074	(0.945)	1302019	5.00000	5.3667
M 189 Diallate, Total	100				1583137	5.00000	5.2879
109 Diallate 2	86	7.141	7.141	(0.954)	281118	5.00000	5.5135
104 Phorate	121	7.082	7.082	(0.946)	230926	5.00000	5.3410
105 1,3,5-Trinitrobenzene	213	7.069	7.069	(0.945)	131506	5.00000	5.5000
108 Phenacetin	108	7.116	7.116	(0.951)	760987	5.00000	5.8929
110 Dimethoate	87	7.229	7.229	(0.966)	650837	5.00000	5.8143
112 Pentachloronitrobenzene	237	7.347	7.347	(0.982)	141384	5.00000	5.4957
113 4-Aminobiphenyl	169	7.350	7.350	(0.982)	1110900	5.00000	5.4712
114 Pronamide	173	7.409	7.409	(0.990)	507442	5.00000	5.5341
117 Dinoseb	211	7.501	7.501	(1.002)	281769	5.00000	4.9670
118 Disulfoton	88	7.509	7.509	(1.003)	903786	5.00000	5.3365
121 4-Nitroquinoline 1-oxide	190	8.154	8.154	(1.090)	154023	5.00000	5.2187(Q)
122 Methapyrilene	58	8.219	8.219	(1.098)	634012	5.00000	5.2023
126 Aramite 1	185	8.792	8.792	(0.912)	99403	5.00000	5.5277
M 191 Aramite, Total	100				222632	5.00000	5.4756
127 Aramite 2	185	8.856	8.856	(0.919)	123229	5.00000	5.6383
128 p-Dimethylamino azobenzene	225	8.916	8.916	(0.925)	402411	5.00000	5.5995
129 p Chlorobenzilate	139	8.957	8.957	(0.929)	604321	5.00000	5.4048
130 Famphur 1	218	9.157	9.157	(0.950)	152551	5.00000	2.3590
132 3,3'-Dimethylbenzidine	212	9.193	9.193	(0.954)	669381	5.00000	5.2539
134 2-Acetylaminofluorene	181	9.402	9.402	(0.975)	749286	5.00000	5.3562
143 7,12-dimethylbenz[a]anthracen	256	10.495	10.495	(0.973)	699016	5.00000	5.5666
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.014	11.014	(1.021)	779468	5.00000	5.4777
193 3-Methylphenol	108	4.122	4.122	(1.097)	630469	5.00000	4.9750
69 1,4-Dinitrobenzene	168	6.033	6.033	(0.962)	184133	5.00000	5.2080
77 m-Dinitrobenzene	168	6.095	6.095	(0.972)	203991	5.00000	5.2882
88 2,3,4,6-Tetrachlorophenol	232	6.550	6.550	(1.045)	246156	5.00000	5.1753
97 5-Nitro-o-toluidine	152	6.750	6.750	(1.077)	321170	5.00000	5.1524
199 3-Picoline	93	2.657	2.657	(0.707)	773360	5.00000	5.1347
200 N,N-Dimethylacetamide	44	2.708	2.708	(0.721)	452288	5.00000	5.6559
225 Methyl parathion	109	7.812	7.812	(1.044)	457530	5.00000	5.6209
226 Parathion	97	8.134	8.134	(1.087)	344209	5.00000	5.6655
227 Isodrin	66	8.345	8.345	(1.115)	288112	5.00000	5.1312
228 Kepone	272	Compound Not Detected.					

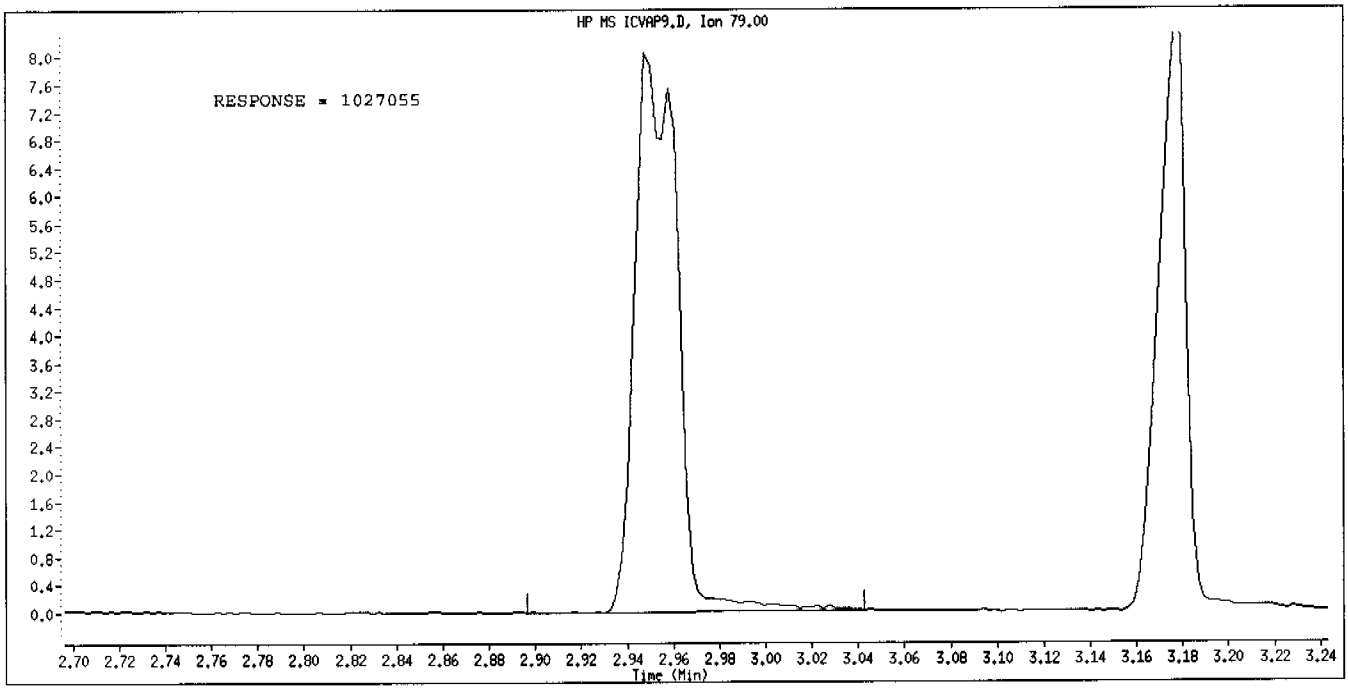
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: ICVAP9.D
Inj. Date and Time: 06-APR-2004 21:06
Instrument ID: a4hp6.i
Client ID:
Compound Name: 1,3-Dichloro-2-propanol
CAS #: 96-23-1
Report Date: 04/07/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Calibration History

Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m
Start Cal Date: 06-APR-2004 14:47
End Cal Date : 06-APR-2004 20:45
Last Cal Level: 9
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
06-APR-2004 16:11	pah	6SLL0406.D

Injection Date	Sublist	Calibration File
Cal Level: 2 , Cal Amount: 0.25000		
06-APR-2004 20:45	2-ap9	6AL0406.D
06-APR-2004 15:50	3-827042	6SL0406.D

Injection Date	Sublist	Calibration File
Cal Level: 3 , Cal Amount: 0.50000		
06-APR-2004 20:24	2-ap9	6AML0406.D
06-APR-2004 15:29	3-827042	6SML0406.D

Injection Date	Sublist	Calibration File
Cal Level: 4 , Cal Amount: 1.00000		
06-APR-2004 20:03	2-ap9	6AM0406.D
06-APR-2004 15:08	3-827042	6SM0406.D

Injection Date	Sublist	Calibration File
Cal Level: 5 , Cal Amount: 2.50000		
06-APR-2004 19:42	2-ap9	6AMM0406.D
06-APR-2004 14:47	3-827042	6SMM0406.D

Injection Date	Sublist	Calibration File
Cal Level: 6 , Cal Amount: 5.00000		
06-APR-2004 19:21	2-ap9	6AMH0406.D
06-APR-2004 16:32	3-827042	6SMH0406.D

Injection Date	Sublist	Calibration File
Cal Level: 7 , Cal Amount: 7.50000		
06-APR-2004 19:00	2-ap9	6AH0406.D
06-APR-2004 16:53	3-827042	6SH0406.D

Injection Date	Sublist	Calibration File
Cal Level: 8 , Cal Amount: 10.00000		

06-APR-2004 18:39	2-ap9	6AHH0406.D
06-APR-2004 17:15	3-827042	6SHH0406.D

Cal Level: 9 , Cal Amount: 12.50000		
06-APR-2004 18:18	2-ap9	6AHHH406.D
06-APR-2004 17:36	L9	6HHH0406.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 6

07-APR-2004 08:49	3-827042	6SMH0407.D
07-APR-2004 08:49	3-827042	6SMH0406.D
07-APR-2004 09:10	2-ap9	6AMH0407.D
06-APR-2004 14:47	3-827042	6SMM0406.D
06-APR-2004 17:57	3-827042	ICVTCL.D
06-APR-2004 21:06	2-ap9	ICVAP9.D
06-APR-2004 19:21	2-ap9	6AMH0406.D
06-APR-2004 16:32	3-827042	6SMH0406.D

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i
Lab File ID: 6SMH0407.D
Analysis Type:
Lab Sample ID:
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m

Injection Date: 07-APR-2004 08:49
Init. Cal. Date(s): 06-APR-2004 06-APR-2004
Init. Cal. Times: 14:47 20:45
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
198 1,4-Dioxane	0.82889	0.82575	0.82575	0.010	0.37876	50.00000	Averaged
9 Pyridine	2.00280	2.19117	2.19117	0.010	-9.40507	50.00000	Averaged
10 N-Nitrosodimethylamine	1.49542	1.65538	1.65538	0.010	-10.69693	50.00000	Averaged
12 3-Chloropropionitrile	0.76124	0.82352	0.82352	0.010	-8.18140	50.00000	Averaged
209 Benzaldehyde	5.00000	7.03456	1.60967	0.010	-40.69121	0.000e+000	Quadratic
21 Aniline	3.01424	3.05041	3.05041	0.010	-1.20019	50.00000	Averaged
22 Phenol	2.46851	2.44953	2.44953	0.010	0.76882	20.00000	Averaged
23 bis(2-Chloroethyl)ether	1.81082	1.67834	1.67834	0.010	7.31617	50.00000	Averaged
24 2-Chlorophenol	1.32464	1.35322	1.35322	0.010	-2.15740	50.00000	Averaged
26 1,3-Dichlorobenzene	1.26829	1.23795	1.23795	0.010	2.39287	50.00000	Averaged
27 1,4-Dichlorobenzene	1.17264	1.11046	1.11046	0.010	5.30302	20.00000	Averaged
28 1,2-Dichlorobenzene	1.18997	1.18778	1.18778	0.010	0.18445	50.00000	Averaged
29 Benzyl Alcohol	1.13944	1.17356	1.17356	0.010	-2.99500	50.00000	Averaged
30 2-Methylphenol	1.64223	1.70088	1.70088	0.010	-3.57153	50.00000	Averaged
31 bis(2-Chloroisopropyl)ether	1.42209	1.43282	1.43282	0.010	-0.75454	50.00000	Averaged
37 Acetophenone	2.29461	2.33681	2.33681	0.010	-1.83910	50.00000	Averaged
32 N-Nitroso-di-n-propylamine	1.85482	1.80564	1.80564	0.050	2.65128	50.00000	Averaged
192 4-Methylphenol	1.58558	1.75715	1.75715	0.010	-10.82104	50.00000	Averaged
34 Hexachloroethane	0.61450	0.60170	0.60170	0.010	2.08342	50.00000	Averaged
35 Nitrobenzene	0.69527	0.66897	0.66897	0.010	3.78296	50.00000	Averaged
41 Isophorone	1.07735	1.08384	1.08384	0.010	-0.60257	50.00000	Averaged
42 2-Nitrophenol	0.19206	0.19052	0.19052	0.010	0.80324	20.00000	Averaged
43 2,4-Dimethylphenol	0.47977	0.47724	0.47724	0.010	0.52688	50.00000	Averaged
44 bis(2-Chloroethoxy)methane	0.58538	0.57134	0.57134	0.010	2.39772	50.00000	Averaged
46 2,4-Toluenediamene	5.00000	4.58869	0.07909	0.010	8.22630	0.000e+000	Quadratic
47 1,3,5-Trichlorobenzene	0.29560	0.28206	0.28206	0.010	4.57980	50.00000	Averaged
48 2,4-Dichlorophenol	0.27961	0.27121	0.27121	0.010	3.00348	20.00000	Averaged
49 Benzoic Acid	0.22906	0.19075	0.19075	0.010	16.72675	50.00000	Averaged
50 1,2,4-Trichlorobenzene	0.29153	0.28056	0.28056	0.010	3.76401	50.00000	Averaged
51 Naphthalene	1.01170	1.00478	1.00478	0.010	0.68454	50.00000	Averaged
52 4-Chloroaniline	0.41626	0.39660	0.39660	0.010	4.72326	50.00000	Averaged
56 Hexachlorobutadiene	0.17121	0.16234	0.16234	0.010	5.18108	20.00000	Averaged
210 Caprolactam	0.13487	0.13227	0.13227	0.010	1.93319	50.00000	Averaged
57 1,2,3-Trichlorobenzene	0.26864	0.26388	0.26388	0.010	1.77335	50.00000	Averaged
59 4-Chloro-3-Methylphenol	0.40242	0.41805	0.41805	0.010	-3.88468	20.00000	Averaged
62 2 Methylnaphthalene	0.63662	0.63401	0.63401	0.010	0.40975	50.00000	Averaged
63 1-Methylnaphthalene	0.61719	0.60719	0.60719	0.010	1.62034	50.00000	Averaged
64 Hexachlorocyclopentadiene	0.37172	0.34124	0.34124	0.050	8.19943	50.00000	Averaged
66 2,4,6-Trichlorophenol	0.42414	0.38134	0.38134	0.010	10.08938	20.00000	Averaged
67 2,4,5-Trichlorophenol	0.37494	0.37316	0.37316	0.010	0.47540	50.00000	Averaged
211 1,1'-Biphenyl	1.39516	1.44560	1.44560	0.010	-3.61557	50.00000	Averaged
68 1,2,3,5-Tetrachlorobenzene	0.49443	0.48768	0.48768	0.010	1.36630	50.00000	Averaged

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 07-APR-2004 08:49
Lab File ID: 6SMH0407.D Init. Cal. Date(s): 06-APR-2004 06-APR-2004
Analysis Type: Init. Cal. Times: 14:47 20:45
Lab Sample ID: Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 2 Chloronaphthalene	1.03780	1.05818	1.05818	0.010	-1.96384	50.00000	Averaged
73 2-Nitroaniline	0.59981	0.61113	0.61113	0.010	-1.88811	50.00000	Averaged
74 1,2,3,4-Tetrachlorobenzene	0.46966	0.47466	0.47466	0.010	-1.06546	50.00000	Averaged
76 Dimethylphthalate	1.22562	1.23027	1.23027	0.010	-0.37938	50.00000	Averaged
78 2,6-Dinitrotoluene	0.26580	0.27876	0.27876	0.010	-4.87824	50.00000	Averaged
79 Acenaphthylene	1.78187	1.86603	1.86603	0.010	-4.72343	50.00000	Averaged
80 1,2-Dinitrobenzene	5.00000	5.43350	0.15502	0.010	-8.67002	0.000e+000	Quadratic
81 3-Nitroaniline	0.31449	0.31498	0.31498	0.010	-0.15692	50.00000	Averaged
82 Acenaphthene	1.16520	1.19265	1.19265	0.010	-2.35591	20.00000	Averaged
83 2,4-Dinitrophenol	0.23234	0.20487	0.20487	0.050	11.82337	50.00000	Averaged
85 4-Nitrophenol	0.26481	0.13908	0.13908	0.050	47.47786	50.00000	Averaged
86 Dibenzofuran	1.60524	1.62712	1.62712	0.010	-1.36346	50.00000	Averaged
87 2,4-Dinitrotoluene	0.38311	0.39810	0.39810	0.010	-3.91399	50.00000	Averaged
91 2,3,5,6-Tetrachlorophenol	0.34271	0.35070	0.35070	0.010	-2.33201	50.00000	Averaged
93 Diethylphthalate	1.30413	1.31256	1.31256	0.010	-0.64651	50.00000	Averaged
94 Fluorene	1.24849	1.27373	1.27373	0.010	-2.02154	50.00000	Averaged
95 4-Chlorophenyl-phenylether	0.65413	0.66026	0.66026	0.010	-0.93660	50.00000	Averaged
96 4-Nitroaniline	0.31671	0.31052	0.31052	0.010	1.95241	50.00000	Averaged
98 4,6-Dinitro-2-methylphenol	0.14615	0.14562	0.14562	0.010	0.36028	50.00000	Averaged
99 N-Nitrosodiphenylamine	0.52950	0.54223	0.54223	0.010	-2.40509	20.00000	Averaged
100 1,2-Diphenylhydrazine	1.34841	1.30899	1.30899	0.010	2.92352	50.00000	Averaged
106 4-Bromophenyl-phenylether	0.18296	0.17772	0.17772	0.010	2.86111	50.00000	Averaged
107 Hexachlorobenzene	0.17790	0.16620	0.16620	0.010	6.57289	50.00000	Averaged
212 Atrazine	0.19179	0.18869	0.18869	0.010	1.61455	50.00000	Averaged
111 Pentachlorophenol	0.12815	0.12646	0.12646	0.010	1.31806	20.00000	Averaged
115 Phenanthrene	1.02582	1.02482	1.02482	0.010	0.09775	50.00000	Averaged
116 Anthracene	1.00872	1.02548	1.02548	0.010	-1.66153	50.00000	Averaged
119 Carbazole	0.93865	0.96265	0.96265	0.010	-2.55681	50.00000	Averaged
120 Di-n-Butylphthalate	1.17259	1.23108	1.23108	0.010	-4.98801	50.00000	Averaged
123 Fluoranthene	1.17193	1.17331	1.17331	0.010	-0.11757	20.00000	Averaged
124 Benzidine	0.66915	0.58113	0.58113	0.010	13.15397	50.00000	Averaged
125 Pyrene	1.29525	1.30445	1.30445	0.010	-0.70979	50.00000	Averaged
131 Butylbenzylphthalate	0.55120	0.58868	0.58868	0.010	-6.80037	50.00000	Averaged
133 3,3'-Dimethoxybenzidine	0.25021	0.20281	0.20281	0.010	18.94385	50.00000	Averaged
135 3,3'-Dichlorobenzidine	0.40687	0.39796	0.39796	0.010	2.18819	50.00000	Averaged
136 Benzo(a)Anthracene	1.34160	1.14667	1.14667	0.010	14.52972	50.00000	Averaged
137 Chrysene	0.98522	1.12895	1.12895	0.010	-14.58831	50.00000	Averaged
138 4,4'-Methylene bis(o-chloro	0.21853	0.21642	0.21642	0.010	0.96424	50.00000	Averaged
139 bis(2-ethylhexyl)Phthalate	0.80201	0.83500	0.83500	0.010	-4.11345	50.00000	Averaged
140 Di-n-octylphthalate	1.82695	2.01620	2.01620	0.010	-10.35909	20.00000	Averaged
141 Benzo(b)fluoranthene	1.82840	1.62394	1.62394	0.010	11.18230	50.00000	Averaged
142 Benzo(k)fluoranthene	1.26081	1.62573	1.62573	0.010	-28.94343	50.00000	Averaged

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

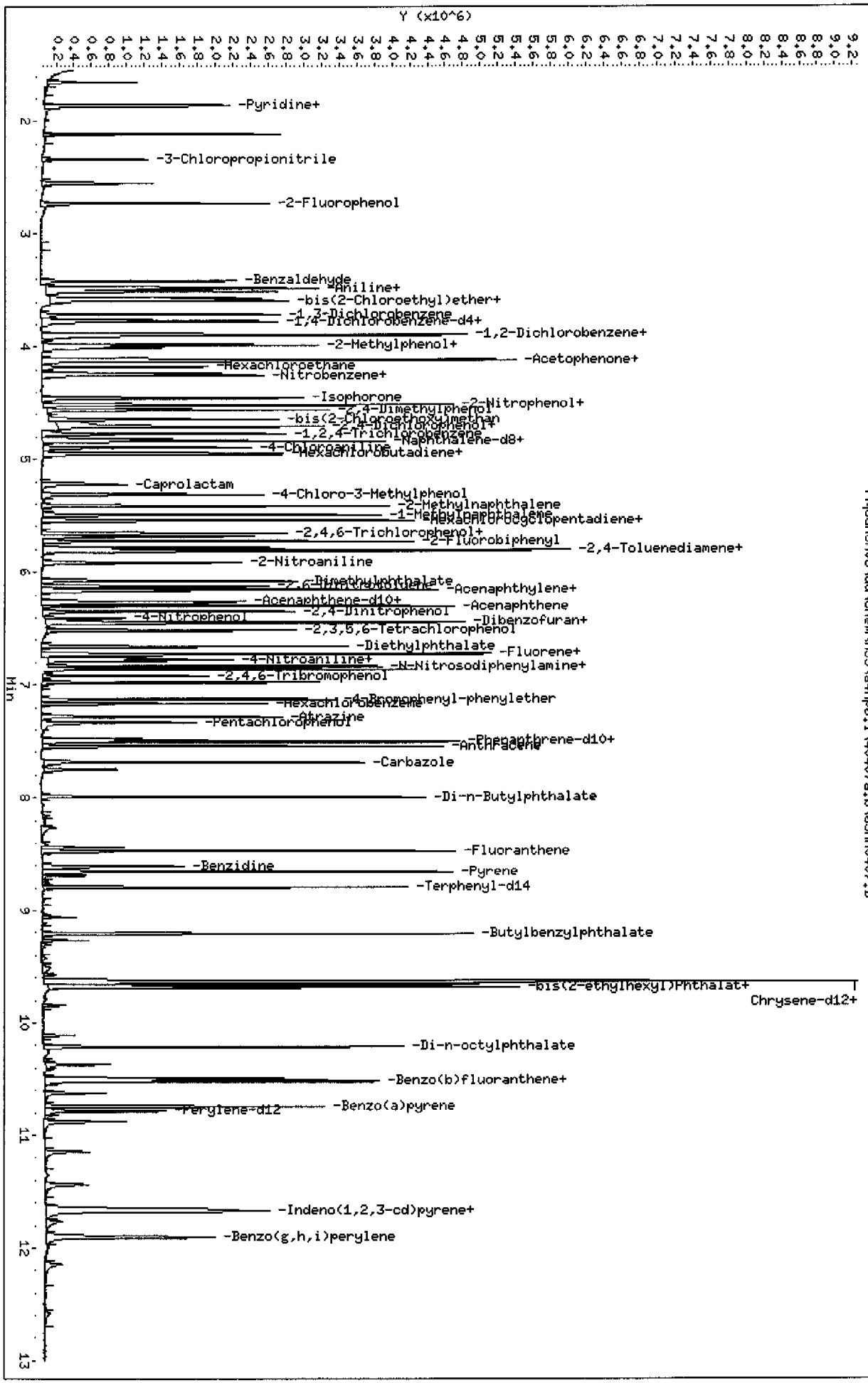
Instrument ID: a4hp6.i Injection Date: 07-APR-2004 08:49
Lab File ID: 6SMH0407.D Init. Cal. Date(s): 06-APR-2004 06-APR-2004
Analysis Type: Init. Cal. Times: 14:47 20:45
Lab Sample ID: Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
146 Benzo(a)pyrene	1.40484	1.46201	1.46201	0.010	-4.06917	20.00000	Averaged
149 Indeno(1,2,3-cd)pyrene	1.49062	1.56806	1.56806	0.010	-5.19516	50.00000	Averaged
150 Dibenz(a,h)anthracene	1.25930	1.33131	1.33131	0.010	-5.71816	50.00000	Averaged
151 Benzo(g,h,i)perylene	1.26280	1.31830	1.31830	0.010	-4.39550	50.00000	Averaged
$ 154 Nitrobenzene-d5	0.64225	0.62663	0.62663	0.010	2.43169	50.00000	Averaged
$ 155 2-Fluorobiphenyl	1.34605	1.34153	1.34153	0.010	0.33579	50.00000	Averaged
$ 156 Terphenyl-d14	0.76413	0.77029	0.77029	0.010	-0.80616	50.00000	Averaged
$ 157 Phenol-d5	2.19852	2.24194	2.24194	0.010	-1.97495	50.00000	Averaged
$ 158 2-Fluorophenol	1.42346	1.49034	1.49034	0.010	-4.69822	50.00000	Averaged
$ 159 2,4,6-Tribromophenol	0.14152	0.13566	0.13566	0.010	4.13640	50.00000	Averaged
$ 186 2-Chlorophenol-d4	1.31652	1.33773	1.33773	0.010	-1.61114	50.00000	Averaged
$ 187 1,2-Dichlorobenzene-d4	0.79252	0.78879	0.78879	0.010	0.47007	50.00000	Averaged
M 195 Cresols, total	3.22780	3.45803	3.45803	0.010	-7.13267	50.00000	Averaged
101 Diphenylamine	0.51409	0.54223	0.54223	0.010	-5.47463	50.00000	Averaged

Data File: \\qcanch05\dd\chem\MSS\a4hp6.i\40407a.b\6SMH0407.D
Date : 07-APR-2004 08:49
Client ID:
Sample Info: 16,40407a,b,8270p,3-827042,sub,2

Column phase: db5.625

Instrument: a4hp6.i
Operator: 046900
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\6SMH0407.D
Lab Smp Id:
Inj Date : 07-APR-2004 08:49
Operator : 046900 Inst ID: a4hp6.i
Smp Info : 16,40407a.b,8270p,3-827042.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m
Meth Date : 07-Apr-2004 13:47 a4hp6.i Quant Type: ISTD
Cal Date : 06-APR-2004 18:18 Cal File: 6AHHH406.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.759	3.759	(1.000)	115754	2.00000	
* 2 Naphthalene-d8	136	4.819	4.819	(1.000)	450823	2.00000	
* 3 Acenaphthene-d10	164	6.269	6.269	(1.000)	251980	2.00000	
* 4 Phenanthrene-d10	188	7.483	7.483	(1.000)	457108	2.00000	
* 5 Chrysene-d12	240	9.640	9.640	(1.000)	422686	2.00000	
* 6 Perylene-d12	264	10.785	10.785	(1.000)	284809	2.00000	
198 1,4-Dioxane	88	1.653	1.653	(0.440)	238961	5.00000	4.9811
9 Pyridine	79	1.854	1.854	(0.493)	634091	5.00000	5.4702
10 N-Nitrosodimethylamine	74	1.864	1.864	(0.496)	479042	5.00000	5.5348
12 3-Chloropropionitrile	54	2.332	2.332	(0.620)	238314	5.00000	5.4091
209 Benzaldehyde	77	3.415	3.415	(0.908)	465815	5.00000	7.0346(Q)
21 Aniline	93	3.507	3.507	(0.933)	882744	5.00000	5.0600
22 Phenol	94	3.482	3.482	(0.926)	708858	5.00000	4.9616
23 bis(2-Chloroethyl)ether	93	3.561	3.561	(0.947)	485687	5.00000	4.6342
24 2-Chlorophenol	128	3.587	3.587	(0.954)	391601	5.00000	5.1079
26 1,3-Dichlorobenzene	146	3.711	3.711	(0.987)	358243	5.00000	4.8804
27 1,4-Dichlorobenzene	146	3.772	3.772	(1.003)	321350	5.00000	4.7348
28 1,2-Dichlorobenzene	146	3.898	3.898	(1.037)	343725	5.00000	4.9908
29 Benzyl Alcohol	108	3.891	3.891	(1.035)	339612	5.00000	5.1497
30 2-Methylphenol	108	3.981	3.981	(1.059)	492209	5.00000	5.1786
31 bis(2-Chloroisopropyl)ether	45	4.001	4.001	(1.064)	414637	5.00000	5.0377
37 Acetophenone	105	4.109	4.109	(1.093)	676239	5.00000	5.0920
32 N-Nitroso-di-n-propylamine	70	4.122	4.122	(1.096)	522525	5.00000	4.8674
192 4-Methylphenol	108	4.114	4.114	(1.094)	508494	5.00000	5.5410
34 Hexachloroethane	117	4.171	4.171	(1.109)	174122	5.00000	4.8958
35 Nitrobenzene	77	4.248	4.248	(0.882)	753966	5.00000	4.8108
41 Isophorone	82	4.451	4.451	(0.924)	1221550	5.00000	5.0301
42 2-Nitrophenol	139	4.510	4.510	(0.936)	214725	5.00000	4.9598
43 2,4-Dimethylphenol	107	4.557	4.557	(0.946)	537874	5.00000	4.9736
44 bis(2-Chloroethoxy)methane	93	4.639	4.639	(0.963)	643937	5.00000	4.8801
46 2,4-Toluenediamene	121	5.804	5.804	(1.204)	89142	5.00000	4.5887
47 1,3,5-Trichlorobenzene	180	4.513	4.513	(0.937)	317898	5.00000	4.7710
48 2,4-Dichlorophenol	162	4.706	4.706	(0.977)	305673	5.00000	4.8498

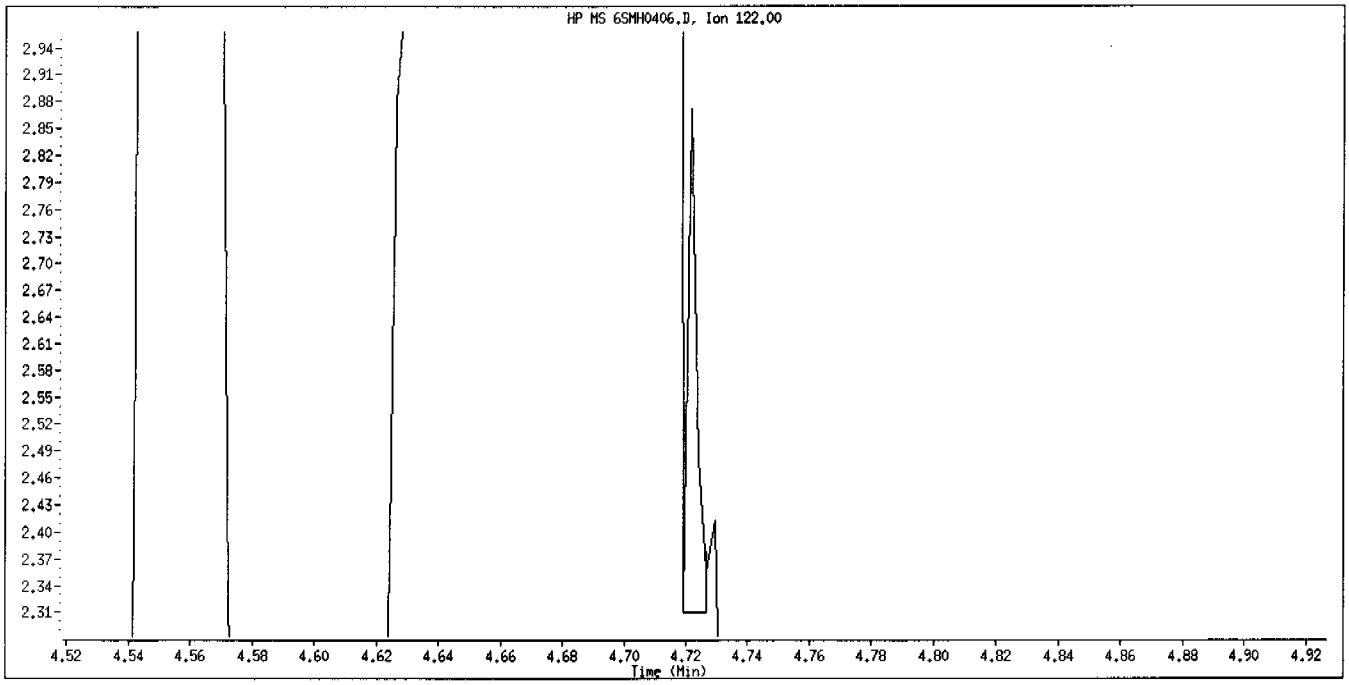
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.711	4.711	(0.978)	429966	10.0000	8.3273(M)
50 1,2,4-Trichlorobenzene	180	4.773	4.773	(0.990)	316207	5.00000	4.8118
51 Naphthalene	128	4.834	4.834	(1.003)	1132440	5.00000	4.9658
52 4-Chloroaniline	127	4.896	4.896	(1.016)	446990	5.00000	4.7638
56 Hexachlorobutadiene	225	4.945	4.945	(1.026)	182962	5.00000	4.7409
210 Caprolactam	113	5.225	5.225	(1.084)	149072	5.00000	4.9033(Q)
57 1,2,3-Trichlorobenzene	180	4.958	4.958	(1.029)	297403	5.00000	4.9113
59 4-Chloro-3-Methylphenol	107	5.313	5.313	(1.102)	471165	5.00000	5.1942
62 2-Methylnaphthalene	142	5.413	5.413	(1.123)	714565	5.00000	4.9795
63 1-Methylnaphthalene	142	5.493	5.493	(1.140)	684334	5.00000	4.9190
64 Hexachlorocyclopentadiene	237	5.544	5.544	(0.884)	214963	5.00000	4.5900
66 2,4,6-Trichlorophenol	196	5.655	5.655	(0.902)	240227	5.00000	4.4955
67 2,4,5-Trichlorophenol	196	5.685	5.685	(0.907)	235072	5.00000	4.9762
211 1,1'-Biphenyl	154	5.806	5.806	(0.926)	910657	5.00000	5.1808(Q)
68 1,2,3,5-Tetrachlorobenzene	216	5.539	5.539	(0.884)	307213	5.00000	4.9317
70 2-Chloronaphthalene	162	5.814	5.814	(0.927)	666603	5.00000	5.0982
73 2-Nitroaniline	65	5.914	5.914	(0.943)	384983	5.00000	5.0944
74 1,2,3,4-Tetrachlorobenzene	216	5.786	5.786	(0.923)	299013	5.00000	5.0533
76 Dimethylphthalate	163	6.076	6.076	(0.969)	775011	5.00000	5.0190
78 2,6-Dinitrotoluene	165	6.123	6.123	(0.977)	175607	5.00000	5.2439
79 Acenaphthylene	152	6.153	6.153	(0.982)	1175506	5.00000	5.2362
80 1,2-Dinitrobenzene	168	6.166	6.166	(0.984)	97655	5.00000	5.4335
81 3-Nitroaniline	138	6.259	6.259	(0.998)	198423	5.00000	5.0078
82 Acenaphthene	153	6.297	6.297	(1.004)	751310	5.00000	5.1178
83 2,4-Dinitrophenol	184	6.346	6.346	(1.012)	258110	10.0000	8.8177
85 4-Nitrophenol	109	6.405	6.405	(1.022)	87616	5.00000	2.6261
86 Dibenzofuran	168	6.441	6.441	(1.027)	1025007	5.00000	5.0682
87 2,4-Dinitrotoluene	165	6.452	6.452	(1.029)	250786	5.00000	5.1957
91 2,3,5,6-Tetrachlorophenol	232	6.513	6.513	(1.039)	220922	5.00000	5.1166
93 Diethylphthalate	149	6.657	6.657	(1.062)	826850	5.00000	5.0323
94 Fluorene	166	6.722	6.722	(1.072)	802385	5.00000	5.1011
95 4-Chlorophenyl-phenylether	204	6.732	6.732	(1.074)	415928	5.00000	5.0468
96 4-Nitroaniline	138	6.763	6.763	(1.079)	195614	5.00000	4.9024
98 4,6-Dinitro-2-methylphenol	198	6.781	6.781	(0.906)	166414	5.00000	4.9820(H)
99 N-Nitrosodiphenylamine	169	6.835	6.835	(0.913)	619645	5.00000	5.1202
100 1,2-Diphenylhydrazine	77	6.861	6.861	(0.917)	1495869	5.00000	4.8538
106 4-Bromophenyl-phenylether	248	7.128	7.128	(0.953)	203096	5.00000	4.8569
107 Hexachlorobenzene	284	7.169	7.169	(0.958)	189934	5.00000	4.6714
212 Atrazine	200	7.287	7.287	(0.974)	215634	5.00000	4.9193(Q)
111 Pentachlorophenol	266	7.336	7.336	(0.980)	144516	5.00000	4.9341
115 Phenanthrene	178	7.503	7.503	(1.003)	1171134	5.00000	4.9951
116 Anthracene	178	7.547	7.547	(1.009)	1171888	5.00000	5.0831
119 Carbazole	167	7.689	7.689	(1.027)	1100089	5.00000	5.1278
120 Di-n-Butylphthalate	149	7.992	7.992	(1.068)	1406841	5.00000	5.2494
123 Fluoranthene	202	8.470	8.470	(1.132)	1340820	5.00000	5.0059
124 Benzidine	184	8.604	8.604	(0.893)	614091	5.00000	4.3423
125 Pyrene	202	8.653	8.653	(0.898)	1378428	5.00000	5.0355
131 Butylbenzylphthalate	149	9.206	9.206	(0.955)	622069	5.00000	5.3400
133 3,3'-Dimethoxybenzidine	244	9.625	9.625	(0.998)	214314	5.00000	4.0528
135 3,3' Dichlorobenzidine	252	9.630	9.630	(0.999)	420533	5.00000	4.8906
136 Benzo(a)Anthracene	228	9.633	9.633	(0.999)	1211704	5.00000	4.2735
137 Chrysene	228	9.663	9.663	(1.002)	1192975	5.00000	5.7294(H)
138 4,4'-Methylene bis(o-chloroan	231	9.635	9.635	(0.999)	228696	5.00000	4.9518
139 bis(2-ethylhexyl)Phthalate	149	9.684	9.684	(1.005)	882357	5.00000	5.2057(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.211	10.211	(0.947)	1435580	5.00000	5.5180
141 Benzo(b)fluoranthene	252	10.497	10.497	(0.973)	1156284	5.00000	4.4409
142 Benzo(k)fluoranthene	252	10.520	10.520	(0.975)	1157558	5.00000	6.4472
146 Benzo(a)pyrene	252	10.746	10.746	(0.996)	1040982	5.00000	5.2034
149 Indeno(1,2,3-cd)pyrene	276	11.656	11.656	(1.081)	1116491	5.00000	5.2598
150 Dibenz(a,h)anthracene	278	11.674	11.674	(1.082)	947923	5.00000	5.2859
151 Benzo(g,h,i)perylene	276	11.906	11.906	(1.104)	938662	5.00000	5.2198
$ 154 Nitrobenzene-d5	82	4.233	4.233	(0.878)	706247	5.00000	4.8784
$ 155 2-Fluorobiphenyl	172	5.727	5.727	(0.913)	845097	5.00000	4.9832
$ 156 Terphenyl-d14	244	8.794	8.794	(0.912)	813973	5.00000	5.0403
$ 157 Phenol-d5	99	3.471	3.471	(0.923)	648783	5.00000	5.0987
$ 158 2-Fluorophenol	112	2.723	2.723	(0.724)	431281	5.00000	5.2349
$ 159 2,4,6-Tribromophenol	330	6.920	6.920	(1.104)	85461	5.00000	4.7932
$ 186 2-Chlorophenol-d4	132	3.574	3.574	(0.951)	387119	5.00000	5.0806
$ 187 1,2-Dichlorobenzene-d4	152	3.885	3.885	(1.034)	228264	5.00000	4.9765
101 Diphenylamine	169	6.835	6.835	(0.913)	619645	5.00000	5.2737

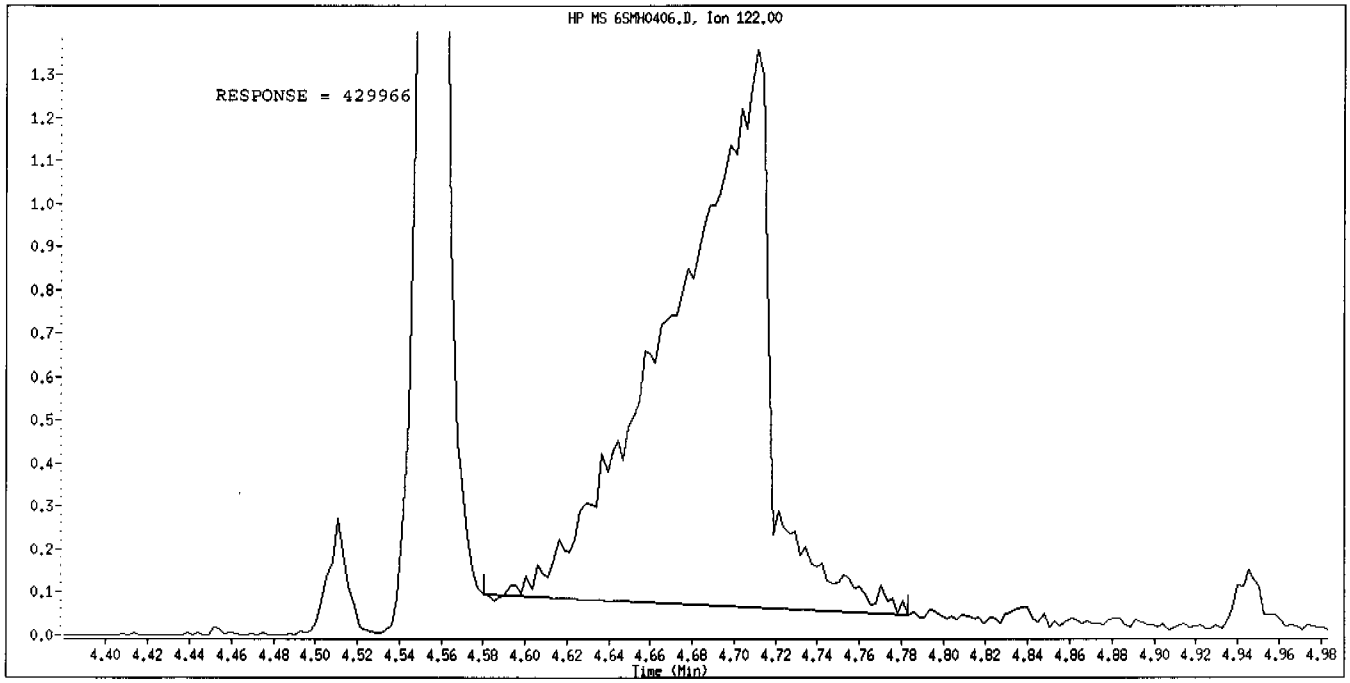
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SMH0406.D
Inj. Date and Time: 07-APR-2004 08:49
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/07/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 07-APR-2004 09:10
Lab File ID: 6AMH0407.D Init. Cal. Date(s): 06-APR-2004 06-APR-2004
Analysis Type: Init. Cal. Times: 14:47 20:45
Lab Sample ID: Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 N-Nitrosomorpholine	0.95083	0.93848	0.93848	0.010	1.29859	50.00000	Averaged
8 Ethyl methanesulfonate	1.97316	1.97332	1.97332	0.010	-0.00834	50.00000	Averaged
14 2-Picoline	2.38399	2.43518	2.43518	0.010	-2.14751	50.00000	Averaged
15 N-Nitrosomethylethylamine	0.84934	0.89522	0.89522	0.010	-5.40119	50.00000	Averaged
16 Methyl methanesulfonate	1.47872	1.44871	1.44871	0.010	2.02956	50.00000	Averaged
18 1,3-Dichloro-2-propanol	2.75949	2.79549	2.79549	0.010	-1.30471	50.00000	Averaged
19 N-Nitrosodiethylamine	1.02852	1.03000	1.03000	0.010	-0.14334	50.00000	Averaged
25 Pentachloroethane	0.55173	0.54638	0.54638	0.010	0.97028	50.00000	Averaged
36 N-Nitrosopyrrolidine	0.90756	0.94322	0.94322	0.010	-3.92953	50.00000	Averaged
39 o-Toluidine	3.07914	3.05265	3.05265	0.010	0.86040	50.00000	Averaged
40 N-Nitrosopiperidine	0.20760	0.20670	0.20670	0.010	0.43555	50.00000	Averaged
45 O,O,O-Triethyl phosphorothi	0.18672	0.18363	0.18363	0.010	1.65867	50.00000	Averaged
53 a,a-Dimethyl-phenethylamine	5.00000	4.40715	0.91058	0.010	11.85696	0.000e+000	Quadratic
54 2,6-Dichlorophenol	0.25378	0.26731	0.26731	0.010	-5.32961	50.00000	Averaged
55 Hexachloropropene	0.24066	0.23417	0.23417	0.010	2.69835	50.00000	Averaged
58 N-Nitrosodi-n-butylamine	0.39527	0.40875	0.40875	0.010	-3.41034	50.00000	Averaged
60 p Phenylene diamine	0.44285	0.44069	0.44069	0.010	0.48776	50.00000	Averaged
61 Safrole	0.27160	0.27171	0.27171	0.010	-0.04043	50.00000	Averaged
65 1,2,4,5-Tetrachlorobenzene	0.58595	0.58296	0.58296	0.010	0.51114	50.00000	Averaged
71 Isosafrole 1	0.15644	0.15107	0.15107	0.010	3.43175	50.00000	Averaged
M 188 Isosafrole, Total	1.08891	1.11477	1.11477	0.010	-2.37474	50.00000	Averaged
72 Isosafrole 2	0.93248	0.96370	0.96370	0.010	-3.34888	50.00000	Averaged
75 1,4-Naphthoquinone	0.41278	0.44358	0.44358	0.010	-7.46292	50.00000	Averaged
84 Pentachlorobenzene	0.47987	0.45383	0.45383	0.010	5.42728	50.00000	Averaged
89 1-Naphthylamine	1.18711	1.21625	1.21625	0.010	-2.45435	50.00000	Averaged
92 2-Naphthylamine	1.19993	1.14612	1.14612	0.010	4.48449	50.00000	Averaged
90 Zinophos	0.44309	0.44735	0.44735	0.010	-0.95979	50.00000	Averaged
102 Tetraethyl dithiopyrophosph	0.10305	0.10287	0.10287	0.010	0.17656	50.00000	Averaged
103 Diallate 1	0.89178	0.90367	0.90367	0.010	-1.33242	50.00000	Averaged
M 189 Diallate, Total	4.31452	4.24557	4.24557	0.010	1.59823	50.00000	Averaged
109 Diallate 2	0.18742	0.19533	0.19533	0.010	-4.22372	50.00000	Averaged
104 Phorate	0.15893	0.16463	0.16463	0.010	-3.58673	50.00000	Averaged
105 1,3,5-Trinitrobenzene	0.08789	0.09242	0.09242	0.010	-5.15794	50.00000	Averaged
108 Phenacetin	0.47467	0.47878	0.47878	0.010	-0.86453	50.00000	Averaged
110 Dimethoate	0.41146	0.45797	0.45797	0.010	-11.30547	50.00000	Averaged
112 Pentachloronitrobenzene	0.09456	0.09591	0.09591	0.010	-1.42499	50.00000	Averaged
113 4-Aminobiphenyl	0.74634	0.74476	0.74476	0.010	0.21168	50.00000	Averaged
114 Pronamide	0.33705	0.35337	0.35337	0.010	-4.84331	50.00000	Averaged
117 Dinoseb	5.00000	4.67792	0.19406	0.010	6.44156	0.000e+000	Quadratic
118 Disulfoton	0.62253	0.65950	0.65950	0.010	-5.94004	50.00000	Averaged
121 4-Nitroquinoline 1-oxide	5.00000	4.53002	0.09447	0.010	9.39958	0.000e+000	Quadratic
122 Methapyrilene	0.44797	0.44543	0.44543	0.010	0.56725	50.00000	Averaged

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 07-APR-2004 09:10
Lab File ID: 6AMH0407.D Init. Cal. Date(s): 06-APR-2004 06-APR-2004
Analysis Type: Init. Cal. Times: 14:47 20:45
Lab Sample ID: Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m

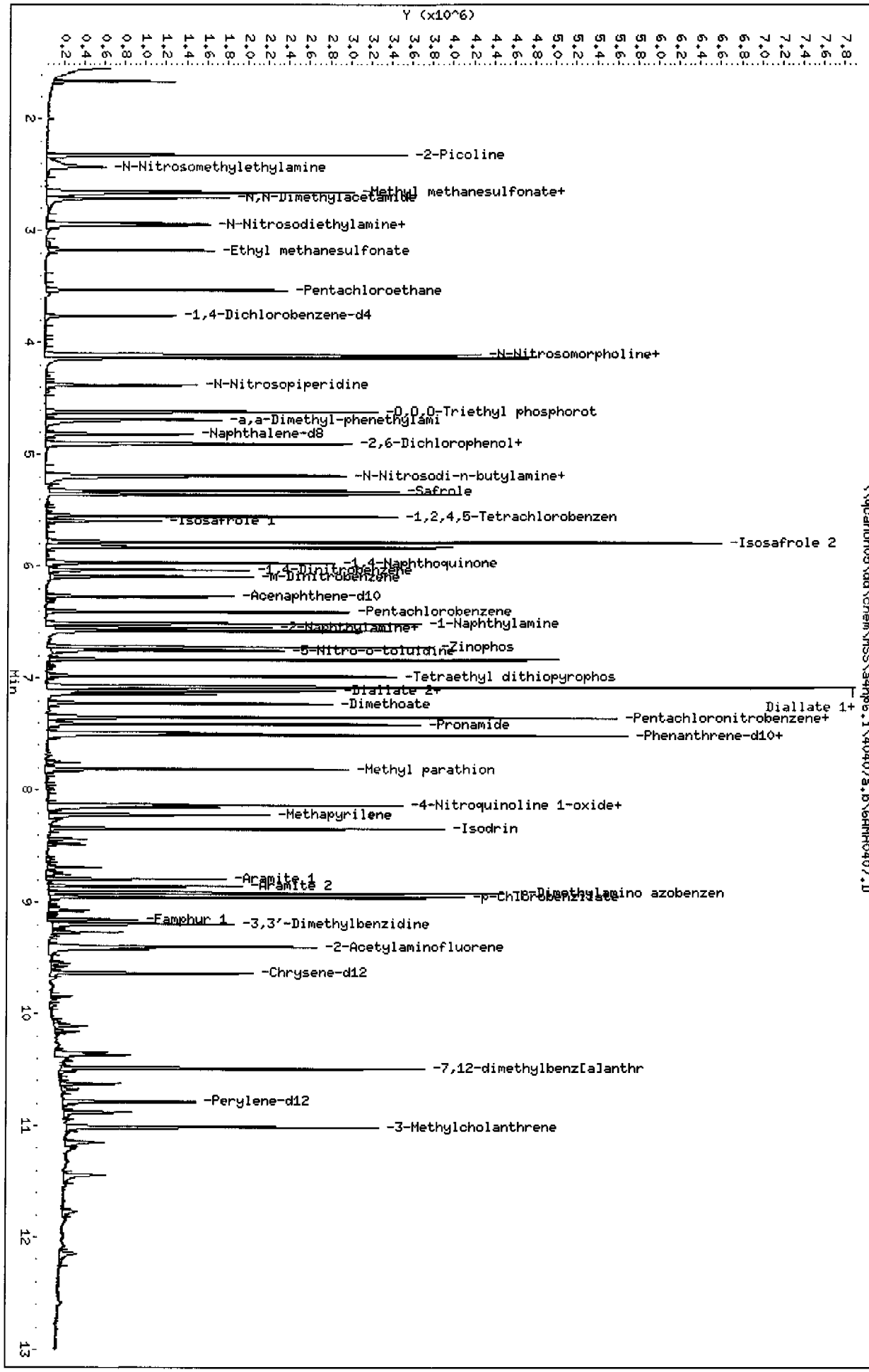
COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
126 Aramite 1	0.06890	0.07320	0.07320	0.010	-6.24696	50.00000	Averaged	
M 191 Aramite, Total	0.58594	0.60921	0.60921	0.010	-3.97122	50.00000	Averaged	
127 Aramite 2	0.08374	0.08991	0.08991	0.010	-7.37297	50.00000	Averaged	
128 p-Dimethylamino azobenzene	0.27534	0.28488	0.28488	0.010	-3.46255	50.00000	Averaged	
129 p-Chlorobenzilate	0.42840	0.42775	0.42775	0.010	0.15071	50.00000	Averaged	
130 Famphur 1	0.24777	0.13298	0.13298	0.010	46.32814	50.00000	Averaged	
132 3,3'-Dimethylbenzidine	5.00000	4.38924	0.41949	0.010	12.21521	0.000e+000	Quadratic	
134 2-Acetylaminofluorene	5.00000	4.93671	0.52573	0.010	1.26581	0.000e+000	Quadratic	
143 7,12-dimethylbenz[a]anthrac	0.74806	0.79080	0.79080	0.010	-5.71317	50.00000	Averaged	
144 Hexachlorophene	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
145 Hexachlorophene product	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
148 3-Methylcholanthrene	0.84769	0.84130	0.84130	0.010	0.75459	50.00000	Averaged	
193 3-Methylphenol	1.82631	1.56517	1.56517	0.010	14.29874	50.00000	Averaged	
69 1,4-Dinitrobenzene	0.23181	0.21733	0.21733	0.010	6.24654	50.00000	Averaged	
77 m-Dinitrobenzene	0.25291	0.24452	0.24452	0.010	3.31733	50.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.31185	0.29738	0.29738	0.010	4.63993	50.00000	Averaged	
97 5-Nitro-o-toluidine	5.00000	4.83811	0.39355	0.010	3.23785	0.000e+000	Quadratic	
199 3-Picoline	5.00000	4.99181	2.16284	0.010	0.16382	0.000e+000	Quadratic	
200 N,N-Dimethylacetamide	1.15243	1.18821	1.18821	0.010	-3.10523	50.00000	Averaged	
225 Methyl parathion	0.29920	0.32215	0.32215	0.010	-7.67147	50.00000	Averaged	
226 Parathion	0.22332	0.24237	0.24237	0.010	-8.52806	50.00000	Averaged	
227 Isodrin	0.20639	0.20162	0.20162	0.010	2.31282	50.00000	Averaged	
228 Kepone	++++	0.01450	0.01450	0.010	++++	50.00000	Averaged	<-

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\6AHH0407.D
Date : 07-APR-2004 09:10
Client ID:
Sample Info: 16,40407a,b,8270p,2-ap9,sub,2

Column phase: db5,625

Instrument: a4hp6.i

Operator: 046900
Column diameter: 0.32



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Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\6AMH0407.D
Lab Smp Id:
Inj Date : 07-APR-2004 09:10
Operator : 046900 Inst ID: a4hp6.i
Smp Info : 16,40407a.b,8270p,2-ap9.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m
Meth Date : 07-Apr-2004 12:12 gruberj Quant Type: ISTD
Cal Date : 06-APR-2004 18:18 Cal File: 6AHHH406.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.760	3.760	(1.000)	117524	2.00000	
* 2 Naphthalene-d8	136	4.817	4.817	(1.000)	462836	2.00000	
* 3 Acenaphthene-d10	164	6.270	6.270	(1.000)	257604	2.00000	
* 4 Phenanthrene-d10	188	7.483	7.483	(1.000)	454009	2.00000	
* 5 Chrysene-d12	240	9.636	9.636	(1.000)	438942	2.00000	
* 6 Perylene-d12	264	10.785	10.785	(1.000)	282675	2.00000	
7 N-Nitrosomorpholine	56	4.135	4.135	(1.100)	275735	5.00000	4.9351
8 Ethyl methanesulfonate	79	3.174	3.174	(0.844)	579782	5.00000	5.0004
14 2-Picoline	93	2.322	2.322	(0.618)	715481	5.00000	5.1074
15 N-Nitrosomethylethylamine	88	2.430	2.430	(0.646)	263024	5.00000	5.2700
16 Methyl methanesulfonate	80	2.649	2.649	(0.705)	425645	5.00000	4.8985
18 1,3-Dichloro-2-propanol	79	2.947	2.947	(0.784)	821343	5.00000	5.0652(H)
19 N-Nitrosodiethylamine	102	2.932	2.932	(0.780)	302623	5.00000	5.0072
25 Pentachloroethane	167	3.526	3.526	(0.938)	160531	5.00000	4.9515
36 N-Nitrosopyrrolidine	100	4.107	4.107	(1.092)	277128	5.00000	5.1965(H)
39 o-Toluidine	106	4.135	4.135	(1.100)	896899	5.00000	4.9570
40 N-Nitrosopiperidine	114	4.380	4.380	(0.909)	239165	5.00000	4.9782
45 O,O,O-Triethyl phosphorothioa	198	4.619	4.619	(0.959)	212472	5.00000	4.9171
53 a,a-Dimethyl-phenethylamine	58	4.688	4.688	(0.973)	1053627	5.00000	4.4072
54 2,6-Dichlorophenol	162	4.899	4.899	(1.017)	309297	5.00000	5.2665
55 Hexachloropropene	213	4.909	4.909	(1.019)	270951	5.00000	4.8651
58 N-Nitrosodi-n-butylamine	84	5.184	5.184	(1.076)	472966	5.00000	5.1705
60 p-Phenylene diamine	108	5.197	5.197	(1.079)	509917	5.00000	4.9756
61 Safrole	162	5.354	5.354	(1.112)	314391	5.00000	5.0020
65 1,2,4,5-Tetrachlorobenzene	216	5.552	5.552	(0.886)	375430	5.00000	4.9744
71 Isosafrole 1	162	5.593	5.593	(0.892)	97290	5.00000	4.8284
M 188 Isosafrole, Total	162				717925	5.00000	5.1187
72 Isosafrole 2	162	5.784	5.784	(0.922)	620635	5.00000	5.1674
75 1,4-Naphthoquinone	158	5.969	5.969	(0.952)	285671	5.00000	5.3731
84 Pentachlorobenzene	250	6.406	6.406	(1.022)	292270	5.00000	4.7286
89 1-Naphthylamine	143	6.509	6.509	(1.038)	783275	5.00000	5.1227
92 2-Naphthylamine	143	6.576	6.576	(1.049)	738114	5.00000	4.7758
90 Zinophos	97	6.717	6.717	(1.071)	288095	5.00000	5.0480

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	6.979	6.979	(0.933)	116757	5.00000	4.9912
103 Diallate 1	86	7.072	7.072	(0.945)	1025681	5.00000	5.0666
M 189 Diallate, Total	100				1247390	5.00000	4.9201
109 Diallate 2	86	7.141	7.141	(0.954)	221709	5.00000	5.2112
104 Phorate	121	7.080	7.080	(0.946)	186858	5.00000	5.1793
105 1,3,5-Trinitrobenzene	213	7.067	7.067	(0.944)	104901	5.00000	5.2579(H)
108 Phenacetin	108	7.110	7.110	(0.950)	543421	5.00000	5.0432(H)
110 Dimethoate	87	7.224	7.224	(0.965)	519810	5.00000	5.5653(H)
112 Pentachloronitrobenzene	237	7.344	7.344	(0.981)	108862	5.00000	5.0712
113 4-Aminobiphenyl	169	7.347	7.347	(0.982)	845324	5.00000	4.9894
114 Pronamide	173	7.406	7.406	(0.990)	401083	5.00000	5.2422
117 Dinoseb	211	7.499	7.499	(1.002)	220262	5.00000	4.6779
118 Disulfoton	88	7.506	7.506	(1.003)	748552	5.00000	5.2970
121 4-Nitroquinoline 1-oxide	190	8.152	8.152	(1.089)	107222	5.00000	4.5300(Q)
122 Methapyrilene	58	8.216	8.216	(1.098)	505573	5.00000	4.9716
126 Aramite 1	185	8.792	8.792	(0.912)	80329	5.00000	5.3123
M 191 Aramite, Total	100				178993	5.00000	5.1986
127 Aramite 2	185	8.856	8.856	(0.919)	98664	5.00000	5.3686
128 p-Dimethylamino azobenzene	225	8.916	8.916	(0.925)	312613	5.00000	5.1731
129 p-Chlorobenzilate	139	8.954	8.954	(0.929)	469394	5.00000	4.9925
130 Famphur 1	218	9.155	9.155	(0.950)	145929	5.00000	2.6836
132 3,3'-Dimethylbenzidine	212	9.193	9.193	(0.954)	460325	5.00000	4.3892
134 2-Acetylaminofluorene	181	9.399	9.399	(0.975)	576914	5.00000	4.9367
143 7,12-dimethylbenz[a]anthracen	256	10.492	10.492	(0.973)	558849	5.00000	5.2856
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.011	11.011	(1.021)	594535	5.00000	4.9623
193 3-Methylphenol	108	4.120	4.120	(1.096)	459862	5.00000	4.2851(H)
69 1,4-Dinitrobenzene	168	6.033	6.033	(0.962)	139962	5.00000	4.6877(H)
77 m-Dinitrobenzene	168	6.095	6.095	(0.972)	157476	5.00000	4.8341
88 2,3,4,6-Tetrachlorophenol	232	6.547	6.547	(1.044)	191513	5.00000	4.7680(H)
97 5-Nitro-o-toluidine	152	6.748	6.748	(1.076)	253453	5.00000	4.8381
199 3-Picoline	93	2.657	2.657	(0.707)	635463	5.00000	4.9918
200 N,N-Dimethylacetamide	44	2.706	2.706	(0.720)	349109	5.00000	5.1553
225 Methyl parathion	109	7.810	7.810	(1.044)	365652	5.00000	5.3836
226 Parathion	97	8.131	8.131	(1.087)	275091	5.00000	5.4264(H)
227 Isodrin	66	8.342	8.342	(1.115)	228840	5.00000	4.8844
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Calibration History

Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Start Cal Date: 12-APR-2004 09:04
End Cal Date : 12-APR-2004 14:51
Last Cal Level: 2
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
12-APR-2004 10:25	pah	6SLL0412.D
Cal Level: 2 , Cal Amount: 0.25000		
12-APR-2004 14:51	2-ap9	6AL0412.D
12-APR-2004 10:05	3-827042	6SL0412.D
Cal Level: 3 , Cal Amount: 0.50000		
12-APR-2004 14:30	2-ap9	6AML0412.D
12-APR-2004 09:44	3-827042	6SML0412.D
Cal Level: 4 , Cal Amount: 1.00000		
12-APR-2004 14:09	2-ap9	6AM0412.D
12-APR-2004 09:24	3-827042	6SM0412.D
Cal Level: 5 , Cal Amount: 2.50000		
12-APR-2004 13:49	2-ap9	6AMM0412.D
12-APR-2004 09:04	3-827042	6SMM0412.D
Cal Level: 6 , Cal Amount: 5.00000		
12-APR-2004 13:28	2-ap9	6AMH0412.D
12-APR-2004 10:45	3-827042	6SMH0412.D
Cal Level: 7 , Cal Amount: 7.50000		
12-APR-2004 13:07	2-ap9	6AH0412.D
12-APR-2004 11:05	3-827042	6SH0412.D
Cal Level: 8 , Cal Amount: 10.00000		

12-APR-2004 11:25	3-827042	6SHH0412.D

Cal Level: 9 , Cal Amount: 12.50000		
12-APR-2004 12:26	2-ap9	6AHHH412.D
12-APR-2004 11:45	L9	6HHH0412.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 6

12-APR-2004 13:28	2-ap9	6AMH0412.D
12-APR-2004 12:06	3-827042	ICVTCL.D
12-APR-2004 10:45	3-827042	6SMH0412.D

7/13/04

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 12-APR-2004 09:04
End Cal Date : 12-APR-2004 14:51
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SLL0412.D
Level 2: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AL0412.D
Level 3: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AML0412.D
Level 4: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AM0412.D
Level 5: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AMM0412.D
Level 6: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AMH0412.D
Level 7: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AH0412.D
Level 8: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AHH0412.D
Level 9: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AHHH412.D

Compound	0.05000 Level 1 / 7.500 Level 7	0.25000 Level 2 / 10.000 Level 8	0.50000 Level 3 / 12.500 Level 9	1.000 Level 4	2.500 Level 5	5.000 Level 6	___ RRF	% RSD	
198 1,4-Dioxane	+++++	0.88835	0.86647	0.86833	0.83010	0.82284			
	0.80056	0.74246	+++++				0.83130	5.969	<-
7 N-Nitrosomorpholine	+++++	1.13811	1.11206	1.08943	1.12546	1.13025			
	1.09777	1.06202	1.04567				1.10010	3.009	<-
8 Ethyl methanesulfonate	+++++	2.32925	2.10372	2.15328	2.20896	2.22512			
	2.08624	2.24782	2.15328				2.18846	3.672	<-
9 Pyridine	+++++	+++++	1.60800	2.18849	2.30838	2.48591			
	2.43387	2.37360	+++++				2.23304	14.475	<-
10 N-Nitrosodimethylamine	+++++	1.72899	1.64009	1.79217	1.71427	1.72059			
	1.65797	1.61330	+++++				1.69534	3.627	<-
11 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
12 3-Chloropropionitrile	+++++	0.94717	0.87637	0.93115	0.88044	0.90998			
	0.85976	0.85459	+++++				0.89421	4.002	<-
13 Malononitrile	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 12-APR-2004 09:04
End Cal Date : 12-APR-2004 14:51
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
14 2-Picoline	+++++	2.61721	2.40891	2.49128	2.59296	2.60147		
	2.47992	2.57624	2.45526				2.52791	3.102 <-
15 N-Nitrosomethylethylamine	+++++	0.98377	1.18898	1.15584	1.06014	1.23177		
	1.17851	1.24505	1.19992				1.15550	7.744 <-
16 Methyl methanesulfonate	+++++	1.63896	1.63257	1.56811	1.63737	1.65833		
	1.57873	1.67696	1.61983				1.62636	2.278 <-
18 1,3-Dichloro-2-propanol	+++++	2.87179	2.83140	2.85237	3.00584	3.14280		
	2.98247	3.18783	3.02921				2.98796	4.425 <-
19 N-Nitrosodiethylamine	+++++	1.11382	1.05573	1.11087	1.07615	1.11533		
	1.04665	1.11125	1.06516				1.08687	2.667 <-
21 Aniline	+++++	3.20931	3.02586	3.33587	3.28174	3.22721		
	3.20551	3.15961	+++++				3.20644	3.057 <-
22 Phenol	+++++	2.70412	2.55637	2.79591	2.67500	2.62830		
	2.58902	2.54908	+++++				2.64254	3.370 <-
23 bis(2-Chloroethyl)ether	+++++	2.11750	1.81976	1.93729	1.93339	1.90931		
	1.89021	1.85483	+++++				1.92319	4.965 <-
24 2-Chlorophenol	+++++	1.47181	1.36604	1.47967	1.40953	1.37931		
	1.34061	1.30163	+++++				1.39266	4.727 <-
25 Pentachloroethane	+++++	0.55128	0.52403	0.54732	0.55992	0.55904		
	0.54105	0.55969	0.53687				0.54740	2.348 <-
26 1,3-Dichlorobenzene	+++++	1.30749	1.24766	1.36012	1.33625	1.26334		
	1.24294	1.18523	+++++				1.27757	4.737 <-

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 12-APR-2004 09:04
End Cal Date : 12-APR-2004 14:51
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
27 1,4-Dichlorobenzene	+++++	1.23104	1.15762	1.19984	1.19582	1.14654			
	1.10796	1.10423	+++++				1.16329	4.130	<-
28 1,2 Dichlorobenzene	+++++	1.33732	1.23045	1.31078	1.24832	1.17726			
	1.19665	1.13917	+++++				1.23428	5.767	<-
29 Benzyl Alcohol	+++++	1.17008	1.19472	1.28655	1.28316	1.25645			
	1.20374	1.18657	+++++				1.22590	3.943	<-
30 2-Methylphenol	+++++	1.84695	1.69134	1.81587	1.73642	1.74755			
	1.71097	1.68697	+++++				1.74801	3.529	<-
31 bis(2-Chloroisopropyl)ether	+++++	1.69709	1.57508	1.70304	1.60603	1.59183			
	1.58606	1.56250	+++++				1.61737	3.592	<-
32 N-Nitroso-di-n-propylamine	+++++	2.02999	1.98062	2.10333	2.10099	2.04809			
	2.03560	2.00429	+++++				2.04327	2.246	<-
M 195 Cresols, total	+++++	3.75376	3.35895	3.70259	3.56873	3.39960			
	3.30009	3.21061	+++++				3.47062	5.973	<-
192 4-Methylphenol	+++++	1.90681	1.66760	1.88671	1.83231	1.65206			
	1.58912	1.52363	+++++				1.72261	8.814	<-
193 3-Methylphenol	+++++	1.47415	1.55248	1.69639	1.82419	1.86149			
	1.74395	1.89783	1.80989				1.73254	8.698	<-
34 Hexachloroethane	+++++	0.61670	0.59167	0.67854	0.62979	0.61696			
	0.62450	0.59817	+++++				0.62233	4.547	<-
35 Nitrobenzene	+++++	0.68337	0.68574	0.72049	0.71590	0.72739			
	0.74803	0.75529	+++++				0.71946	3.855	<-

STL - North Canton

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Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	___ RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
36 N-Nitrosopyrrolidine	+++++	0.98250	0.96729	1.04347	1.10870	1.05190		
	0.94933	0.94757	0.93992				0.99884	6.182 <-
37 Acetophenone	+++++	2.47763	2.37228	2.57239	2.45402	2.33268		
	2.30586	2.27365	+++++				2.39836	4.464 <-
39 o-Toluidine	+++++	3.05383	2.92509	3.23161	3.32955	3.35269		
	3.11585	3.32784	3.34665				3.21039	5.024 <-
40 N-Nitrosopiperidine	+++++	0.23331	0.21720	0.21125	0.22283	0.22066		
	0.22148	0.23169	0.21945				0.22223	3.267 <-
41 Isophorone	+++++	1.07462	1.08025	1.17122	1.15196	1.18508		
	1.22060	1.22202	+++++				1.15796	5.224 <-
42 2-Nitrophenol	+++++	0.16556	0.17470	0.19920	0.19976	0.18825		
	0.19158	0.19081	+++++				0.18712	6.759 <-
43 2,4-Dimethylphenol	+++++	0.48325	0.46634	0.51136	0.50466	0.51257		
	0.53217	0.52899	+++++				0.50562	4.692 <-
44 bis(2-Chloroethoxy)methane	+++++	0.61611	0.58850	0.62261	0.60617	0.59686		
	0.61859	0.61907	+++++				0.60970	2.119 <-
45 O,O,O-Triethyl phosphorothioa	+++++	0.16688	0.18537	0.18973	0.19252	0.18097		
	0.18837	0.18901	0.17941				0.18403	4.476 <-
46 2,4-Toluenediamene	+++++	+++++	0.11156	0.05336	0.07084	0.08682		
	0.13766	0.14348	+++++				0.10062	36.214 <-
47 1,3,5-Trichlorobenzene	+++++	0.28819	0.29378	0.28738	0.29420	0.27939		
	0.28586	0.27962	+++++				0.28692	2.076 <-

STL - North Canton

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Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
48 2,4-Dichlorophenol	+++++	0.25841	0.27691	0.29580	0.28528	0.28510		
	0.28965	0.28617	+++++				0.28247	4.257 <-
49 Benzoic Acid	+++++	0.11439	0.16281	0.20109	0.23793	0.21118		
	0.24141	0.23653	0.24804				0.20667	22.605 <-
50 1,2,4-Trichlorobenzene	+++++	0.28367	0.28209	0.30052	0.28624	0.27755		
	0.29278	0.29002	+++++				0.28755	2.649 <-
51 Naphthalene	0.94574	1.04704	0.99935	1.02929	1.01236	1.00378		
	1.03233	1.02201	+++++				1.01149	3.049 <-
52 4-Chloroaniline	+++++	0.37168	0.38344	0.44920	0.42115	0.41785		
	0.43341	0.42681	+++++				0.41479	6.650 <-
53 a,a-Dimethyl-phenethylamine	+++++	+++++	0.79209	0.98780	1.14622	1.06097		
	1.23435	1.27909	1.21869				1.10274	15.496 <-
54 2,6-Dichlorophenol	+++++	0.22141	0.23543	0.24572	0.26934	0.27338		
	0.27690	0.28274	0.27523				0.26002	8.718 <-
55 Hexachloropropene	+++++	0.20487	0.23763	0.22289	0.23521	0.24463		
	0.24749	0.25281	0.24414				0.23621	6.595 <-
56 Hexachlorobutadiene	+++++	0.17018	0.17344	0.16876	0.17564	0.17049		
	0.17577	0.17370	+++++				0.17257	1.608 <-
57 1,2,3-Trichlorobenzene	+++++	0.27067	0.26947	0.27711	0.27304	0.26727		
	0.27483	0.27507	+++++				0.27249	1.284 <-
58 N-Nitrosodi-n-butylamine	+++++	0.38726	0.44034	0.45694	0.45348	0.44770		
	0.45968	0.46201	0.45538				0.44535	5.493 <-

STL - North Canton

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Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	___ RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
59 4-Chloro-3-Methylphenol	+++++	0.35385	0.39942	0.42859	0.44246	0.44611		
	0.44478	0.44741	+++++				0.42323	8.271 <-
60 p-Phenylene diamine	+++++	+++++	+++++	0.27326	0.48488	0.49392		
	0.51265	0.51353	0.46479				0.45717	20.108 <-
61 Safrole	+++++	0.27898	0.27377	0.28109	0.27516	0.27638		
	0.27401	0.28225	0.26323				0.27561	2.149 <-
62 2-Methylnaphthalene	0.62770	0.62346	0.62043	0.65642	0.63189	0.63730		
	0.64622	0.64656	+++++				0.63625	1.988 <-
63 1-Methylnaphthalene	0.62817	0.62423	0.58890	0.63509	0.61852	0.61203		
	0.62511	0.62041	+++++				0.61906	2.255 <-
64 Hexachlorocyclopentadiene	+++++	0.31178	0.33523	0.34976	0.36309	0.36176		
	0.38282	0.37613	+++++				0.35437	6.927 <-
65 1,2,4,5-Tetrachlorobenzene	+++++	0.63459	0.58274	0.58150	0.56953	0.57170		
	0.57242	0.59505	0.56446				0.58400	3.865 <-
66 2,4,6-Trichlorophenol	+++++	0.36472	0.34672	0.39879	0.37939	0.39952		
	0.40256	0.39778	+++++				0.38421	5.599 <-
67 2,4,5-Trichlorophenol	+++++	0.36994	0.37135	0.41429	0.40053	0.40233		
	0.43068	0.41864	+++++				0.40111	5.770 <-
68 1,2,3,5-Tetrachlorobenzene	+++++	0.52206	0.49567	0.52122	0.49690	0.49715		
	0.50750	0.48709	+++++				0.50394	2.671 <-
69 1,4-Dinitrobenzene	+++++	+++++	0.17334	0.20429	0.22755	0.23539		
	0.24004	0.25030	0.24522				0.22516	12.146 <-

STL - North Canton

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Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
70 2 Chloronaphthalene	+++++	1.04777	0.98837	1.05914	1.03364	1.03396			
	1.06997	1.04827	+++++				1.04016	2.524	<-
71 Isosafrole 1	+++++	0.16096	0.12383	0.14852	0.15323	0.15831			
	0.15741	0.15859	0.15682				0.15221	7.943	<-
M 188 Isosafrole, Total	+++++	1.08995	1.01058	1.14547	1.14242	1.13274			
	1.10277	1.13202	1.09631				1.10653	4.004	<-
72 Isosafrole 2	+++++	0.92899	0.88676	0.99694	0.98918	0.97443			
	0.94536	0.97343	0.93948				0.95432	3.821	<-
73 2-Nitroaniline	+++++	0.55608	0.56147	0.66407	0.65125	0.70303			
	0.71808	0.71611	+++++				0.65287	10.578	<-
74 1,2,3,4-Tetrachlorobenzene	+++++	0.48778	0.44931	0.50585	0.47188	0.48427			
	0.49792	0.48014	+++++				0.48245	3.816	<-
75 1,4-Naphthoquinone	+++++	0.40663	0.41340	0.46023	0.48556	0.40705			
	0.31953	0.34886	0.28792				0.39115	17.352	<-
76 Dimethylphthalate	+++++	1.17116	1.18203	1.25159	1.23814	1.26253			
	1.29276	1.26092	+++++				1.23702	3.601	<-
77 m-Dinitrobenzene	+++++	+++++	0.19942	0.24373	0.25032	0.26912			
	0.25699	0.27406	0.26269				0.25090	9.959	<-
78 2,6 Dinitrotoluene	+++++	0.24988	0.22854	0.26748	0.27345	0.27684			
	0.29309	0.28059	+++++				0.26712	8.053	<-
79 Acenaphthylene	1.81193	1.80397	1.80658	1.85634	1.81014	1.80856			
	1.88174	1.83531	+++++				1.82682	1.565	<-

STL - North Canton

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Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
80 1,2-Dinitrobenzene	+++++	0.12559	0.13190	0.15070	0.14819	0.14873		
	0.15688	0.15526	+++++				0.14532	8.194 <-
81 3-Nitroaniline	+++++	0.24957	0.26823	0.28477	0.31264	0.32319		
	0.33900	0.33441	+++++				0.30169	11.456 <-
82 Acenaphthene	1.25989	1.14244	1.14233	1.21315	1.15958	1.19288		
	1.21862	1.18976	+++++				1.18983	3.437 <-
83 2,4-Dinitrophenol	+++++	+++++	0.13013	0.16614	0.20985	0.22997		
	0.24158	0.24388	0.24557				0.20959	21.435 <-
84 Pentachlorobenzene	+++++	0.49414	0.47047	0.49012	0.48982	0.50136		
	0.48544	0.49430	0.47457				0.48753	2.131 <-
85 4-Nitrophenol	+++++	+++++	0.17318	0.27580	0.29360	0.30268		
	0.31427	0.31233	0.31297				0.28355	17.836 <-
86 Dibenzofuran	+++++	1.70411	1.54415	1.65809	1.60583	1.58900		
	1.61971	1.59684	+++++				1.61682	3.185 <-
87 2,4-Dinitrotoluene	+++++	0.35257	0.34962	0.38467	0.39016	0.38509		
	0.39592	0.39233	+++++				0.37862	5.078 <-
88 2,3,4,6-Tetrachlorophenol	+++++	+++++	0.23034	0.27180	0.30867	0.33424		
	0.33742	0.34962	0.34770				0.31140	14.436 <-
89 1-Naphthylamine	+++++	0.98514	1.02360	1.15157	1.18468	1.23397		
	1.25935	1.30573	1.25932				1.17542	9.880 <-
90 Zinophos	+++++	0.42415	0.43084	0.46086	0.48804	0.48293		
	0.47233	0.50003	0.48360				0.46785	5.863 <-

STL - North Canton

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	7.500 Level 7	10.000 Level 8	12.500 Level 9						
91 2,3,5,6-Tetrachlorophenol	+++++	0.30346	0.31421	0.34569	0.35483	0.36337			
	0.37993	0.37554	+++++				0.34815	8.449	<-
92 2-Naphthylamine	+++++	1.02985	0.94741	1.04677	1.08137	1.18269			
	1.18444	1.25656	1.24592				1.12188	9.956	<-
93 Diethylphthalate	+++++	1.33627	1.21816	1.37393	1.31139	1.32187			
	1.35376	1.33184	+++++				1.32103	3.771	<-
94 Fluorene	1.39044	1.28297	1.22379	1.30274	1.23026	1.22863			
	1.24496	1.22594	+++++				1.26622	4.588	<-
95 4-Chlorophenyl-phenylether	+++++	0.62923	0.63853	0.67079	0.64368	0.63224			
	0.63624	0.62644	+++++				0.63959	2.334	<-
96 4-Nitroaniline	+++++	+++++	0.27330	0.29945	0.32036	0.34105			
	0.33543	0.34030	+++++				0.31832	8.523	<-
97 5-Nitro-o-toluidine	+++++	+++++	0.28936	0.35703	0.39974	0.40994			
	0.41468	0.42419	0.42207				0.38814	12.661	<-
98 4,6-Dinitro-2-methylphenol	+++++	+++++	0.09984	0.13551	0.14677	0.15145			
	0.15980	0.15943	0.15486				0.14395	14.712	<-
99 N-Nitrosodiphenylamine	+++++	0.47884	0.48352	0.51983	0.51670	0.51474			
	0.54034	0.52883	+++++				0.51183	4.432	<-
100 1,2-Diphenylhydrazine	+++++	1.24654	1.28434	1.37770	1.37300	1.35778			
	1.42178	1.43520	+++++				1.35662	5.078	<-
101 Diphenylamine	+++++	0.47884	0.48352	0.51983	0.51670	0.51474			
	0.54034	0.52883	+++++				0.51183	4.432	<-

STL - North Canton

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	7.500 Level 7	10.000 Level 8	12.500 Level 9					
102 Tetraethyl dithiopyrophosphat	+++++	0.09436	0.10070	0.10163	0.10627	0.10695		
	0.10927	0.11542	0.10892				0.10544	6.094 <-
103 Diallate 1	+++++	0.96812	0.93597	0.97205	0.96694	0.97765		
	0.95225	1.02951	1.01207				0.97682	3.117 <-
M 189 Diallate, Total	+++++	4.87299	4.58575	4.75522	4.90098	4.83701		
	4.49789	4.91117	4.75066				4.76396	3.178 <-
104 Phorate	+++++	0.15835	0.16511	0.17511	0.16547	0.17504		
	0.17235	0.17929	0.16930				0.17000	4.001 <-
105 1,3,5-Trinitrobenzene	+++++	+++++	0.05937	0.07328	0.09229	0.09992		
	0.09766	0.09508	0.08631				0.08627	17.205 <-
106 4-Bromophenyl phenylether	+++++	0.18303	0.18702	0.19430	0.18812	0.18817		
	0.19404	0.18742	+++++				0.18887	2.128 <-
107 Hexachlorobenzene	+++++	0.16723	0.17800	0.18786	0.17921	0.18052		
	0.18686	0.17753	+++++				0.17960	3.816 <-
108 Phenacetin	+++++	+++++	0.41316	0.48811	0.53669	0.57295		
	0.58924	0.60499	0.58936				0.54207	12.810 <-
109 Diallate 2	+++++	0.20428	0.18413	0.20532	0.20526	0.20799		
	0.21065	0.22329	0.21517				0.20701	5.424 <-
110 Dimethoate	+++++	0.40289	0.39837	0.47729	0.48966	0.50294		
	0.45954	0.45309	0.39755				0.44767	9.557 <-
111 Pentachlorophenol	+++++	+++++	0.10782	0.12574	0.14050	0.14342		
	0.14790	0.14592	0.14425				0.13651	10.705 <-

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 12-APR-2004 09:04
End Cal Date : 12-APR-2004 14:51
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
112 Pentachloronitrobenzene	+++++	0.09790	0.09152	0.09450	0.10304	0.10461		
	0.10374	0.11540	0.11080				0.10269	7.783 <-
113 4-Aminobiphenyl	+++++	0.61605	0.66541	0.70680	0.70160	0.83063		
	0.83586	0.90251	0.87301				0.76648	13.895 <-
114 Pronamide	+++++	0.30808	0.31733	0.35755	0.36100	0.36966		
	0.37686	0.39364	0.37655				0.35759	8.363 <-
115 Phenanthrene	1.08586	1.03639	0.98709	1.03710	1.02503	1.01008		
	1.04213	1.00292	+++++				1.02832	2.925 <-
116 Anthracene	0.89785	0.95044	0.92015	1.02964	1.01570	1.00209		
	1.05360	1.00179	+++++				0.98391	5.593 <-
117 Dinoseb	+++++	+++++	0.10806	0.14383	0.17887	0.20568		
	0.20436	0.23247	0.22295				0.18517	24.299 <-
118 Disulfoton	+++++	0.85026	0.71009	0.71633	0.68394	0.70218		
	0.68735	0.74498	0.72686				0.72775	7.337 <-
119 Carbazole	+++++	0.85400	0.87307	0.95543	0.94302	0.95846		
	0.97869	0.96258	+++++				0.93218	5.190 <-
120 Di-n-Butylphthalate	+++++	1.09367	1.10699	1.20715	1.22210	1.22526		
	1.26758	1.22075	+++++				1.19193	5.488 <-
121 4-Nitroquinoline 1-oxide	+++++	+++++	0.02795	0.05140	0.08296	0.11468		
	0.12216	0.13604	0.13640				0.09594	44.746 <-
122 Methapyrilene	+++++	0.45675	0.51272	0.59056	0.61883	0.54036		
	0.46423	0.44091	0.33934				0.49546	18.116 <-

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INITIAL CALIBRATION DATA

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Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
123 Fluoranthene	1.15003	1.12495	1.12687	1.22928	1.21413	1.19323		
	1.23001	1.19279	+++++				1.18266	3.662 <-
124 Benzidine	+++++	+++++	0.47205	0.46269	0.48883	0.61218		
	0.73656	0.71378	0.73099				0.60244	21.045 <-
125 Pyrene	1.27520	1.19358	1.21773	1.27969	1.27938	1.27286		
	1.29787	1.28264	+++++				1.26237	2.881 <-
126 Aramite 1	+++++	0.05976	+++++	0.06347	0.06904	0.06916		
	0.06844	0.07383	0.06721				0.06727	6.704 <-
M 191 Aramite, Total	+++++	0.53565	+++++	0.55246	0.61783	0.64849		
	0.61116	0.65697	0.62732				0.60713	7.617 <-
127 Aramite 2	+++++	0.07948	+++++	0.07718	0.08119	0.09020		
	0.08580	0.08955	0.08496				0.08405	5.913 <-
128 p-Dimethylamino azobenzene	+++++	0.21920	0.26092	0.26840	0.28750	0.29119		
	0.28661	0.30185	0.27910				0.27435	9.388 <-
129 p-Chlorobenzilate	+++++	0.39690	0.37632	0.41167	0.42577	0.44492		
	0.44060	0.46654	0.43773				0.42506	6.810 <-
130 Famphur 1	+++++	0.42037	0.42003	0.41456	0.21613	0.06311		
	0.03557	0.01732	0.02124				0.20104	94.819 <-
131 Butylbenzylphthalate	+++++	0.45643	0.47014	0.52868	0.55038	0.56604		
	0.57991	0.56624	+++++				0.53111	9.258 <-
132 3,3'-Dimethylbenzidine	+++++	+++++	0.56055	0.65926	0.57754	0.43373		
	0.49977	0.54715	0.53354				0.54450	12.750 <-

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Method file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	___ RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
133 3,3'-Dimethoxybenzidine	+++++	0.67711	0.72707	0.76231	0.75398	0.76017		
	0.77355	0.76439	+++++				0.74551	4.492 <-
134 2-Acetylaminofluorene	+++++	+++++	0.33361	0.45944	0.50176	0.55442		
	0.54764	0.59564	0.55087				0.50620	17.303 <-
135 3,3'-Dichlorobenzidine	+++++	0.34747	0.40833	0.41195	0.40874	0.41350		
	0.42792	0.44431	+++++				0.40889	7.351 <-
136 Benzo(a)Anthracene	1.24433	1.10359	1.14957	1.19370	1.14748	1.13242		
	1.17351	1.18573	+++++				1.16629	3.693 <-
137 Chrysene	1.15015	1.07705	1.02970	1.15046	1.07871	1.11230		
	1.13841	1.12171	+++++				1.10731	3.840 <-
138 4,4'-Methylene bis(o-chloroan	+++++	0.17350	0.19032	0.20524	0.21388	0.21553		
	0.22819	0.23959	+++++				0.20946	10.661 <-
139 bis(2-ethylhexyl)Phthalate	+++++	0.70754	0.72727	0.78513	0.78560	0.79406		
	0.81815	0.84359	+++++				0.78019	6.143 <-
140 Di-n-octylphthalate	+++++	1.33166	1.42750	1.70276	1.84444	1.83573		
	1.91229	1.89670	+++++				1.70730	13.791 <-
141 Benzo(b)fluoranthene	+++++	1.30983	1.40651	1.50193	1.56451	1.52738		
	1.70552	1.70081	+++++				1.53093	9.454 <-
142 Benzo(k)fluoranthene	1.31918	1.36326	1.48371	1.60484	1.63806	1.63447		
	1.61581	1.46571	+++++				1.51563	8.362 <-
143 7,12-dimethylbenz[a]anthracen	+++++	0.68221	0.65763	0.70625	0.75816	0.76510		
	0.79019	0.80659	0.78949				0.74445	7.439 <-

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Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1 / 7.500 Level 7	0.25000 Level 2 / 10.000 Level 8	0.50000 Level 3 / 12.500 Level 9	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
144 Hexachlorophene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
145 Hexachlorophene product	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
146 Benzo(a)pyrene	1.20716	1.22462	1.30271	1.38974	1.44055	1.40722			
	1.48212	1.46108	+++++				1.36440	7.813	<-
148 3-Methylcholanthrene	+++++	+++++	0.75663	0.79146	0.83859	0.88915			
	0.89700	0.91314	0.89888				0.85498	7.118	<-
149 Indeno(1,2,3-cd)pyrene	+++++	1.27417	1.34672	1.45839	1.57975	1.57419			
	1.66193	1.63040	+++++				1.50365	9.835	<-
150 Dibenz(a,h)anthracene	+++++	1.06037	1.08877	1.22698	1.32992	1.35136			
	1.40473	1.37855	+++++				1.26295	11.125	<-
151 Benzo(g,h,i)perylene	+++++	1.05923	1.13534	1.25928	1.30979	1.31832			
	1.39594	1.34464	+++++				1.26036	9.575	<-
199 3-Picoline	+++++	+++++	1.86127	2.12043	2.47389	2.52281			
	2.46025	2.54581	2.47586				2.35147	11.023	<-
200 N,N-Dimethylacetamide	+++++	1.53562	1.58606	1.30661	1.39385	1.41934			
	1.34850	1.43684	1.36350				1.42379	6.661	<-
201 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
202 Diphenyl	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

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Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
203 Diphenyl ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
204 6-Methylchrysene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
205 Benzenethiol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
207 Indene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
208 Dibenz(a,j)acridine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
209 Benzaldehyde	+++++	2.02975	1.81746	1.95471	1.87058	1.60698			
	1.49241	1.31774	+++++				1.72709	15.122	<-
210 Caprolactam	+++++	0.11590	0.12471	0.13733	0.13854	0.14092			
	0.14051	0.13971	+++++				0.13395	7.266	<-
211 1,1'-Biphenyl	+++++	1.54474	1.40621	1.45507	1.41229	1.39908			
	1.44194	1.40221	+++++				1.43736	3.611	<-
212 Atrazine	+++++	0.16998	0.18356	0.19454	0.18832	0.17693			
	0.19476	0.17697	+++++				0.18358	5.170	<-
213 Benzothiazole	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
214 1,3-Dimethyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

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Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1 / 7.500 Level 7	0.25000 Level 2 / 10.000 Level 8	0.50000 Level 3 / 12.500 Level 9	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
215 Phenyl ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
216 1,3-Diethyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
217 1,3-Dibutyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
218 1,1,3,3-Tetramethyl-2-Thioure	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
219 o-Benzyl Phenol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
220 Diphenyl Thiourea	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
221 Hexabromobenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
222 Dibenz(a,h)acridine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
223 1,2-bis(2-chloroethoxy)ethane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
224 Acrylamide	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
225 Methyl parathion	+++++	0.29795	0.29594	0.34392	0.34190	0.35283			
	0.33844	0.34805	0.32539				0.33055	6.725	<-

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Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1 / 7.500 Level 7	0.25000 Level 2 / 10.000 Level 8	0.50000 Level 3 / 12.500 Level 9	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
226 Parathion	+++++	0.19672	0.21169	0.22956	0.25025	0.26178			
	0.26562	0.27753	0.26245				0.24445	11.749	<-
227 Isodrin	+++++	0.23695	0.21283	0.22695	0.22845	0.23697			
	0.23269	0.25512	0.24368				0.23421	5.321	<-
228 Kepone	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
M 229 Famphur,Total	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	
230 Famphur 2	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	
$ 154 Nitrobenzene-d5	0.63688	0.65033	0.64003	0.68831	0.65989	0.67979			
	0.70189	0.70953	+++++				0.67083	4.175	<-
$ 155 2-Fluorobiphenyl	1.42263	1.26562	1.28572	1.34194	1.31711	1.32006			
	1.36784	1.33097	+++++				1.33149	3.647	<-
$ 156 Terphenyl-d14	0.86486	0.67711	0.72707	0.76231	0.75398	0.76017			
	0.77355	0.76439	+++++				0.76043	6.886	<-
$ 157 Phenol-d5	2.31527	2.23661	2.26396	2.43095	2.38463	2.37374			
	2.30488	2.25550	+++++				2.32069	2.998	<-
$ 158 2-Fluorophenol	1.41969	1.41578	1.42658	1.48388	1.58666	1.52192			
	1.46117	1.43530	+++++				1.46887	4.079	<-
$ 159 2,4,6-Tribromophenol	+++++	+++++	0.13057	0.15339	0.15302	0.16032			
	0.16329	0.16226	+++++				0.15381	7.935	<-

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Cal Date : 12-Apr-2004 15:14 gruberj
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
$ 186 2-Chlorophenol-d4	+++++	1.35993	1.25510	1.46309	1.36980	1.36160		
	1.33798	1.27675	+++++				1.34632	5.059 <-
$ 187 1,2-Dichlorobenzene-d4	+++++	0.87224	0.80550	0.86948	0.83108	0.78968		
	0.76824	0.73384	+++++				0.81001	6.342 <-

ort Date : 12-Apr-2004 15:21

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INITIAL CALIBRATION DATA

rt Cal Date : 12-APR-2004 09:04
Cal Date : 12-APR-2004 14:51
nt Method : ISTD
get Version : 4.12
egrator : HP RTE
hod file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Date : 12-Apr-2004 15:14 gruberj

ibration File Names:
el 1: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SLL0412.D
el 2: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AL0412.D
el 3: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AML0412.D
el 4: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AM0412.D
el 5: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AMM0412.D
el 6: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AMH0412.D
el 7: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AH0412.D
el 8: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AHH0412.D
el 9: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AHHH412.D

Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
98 1,4-Dioxane	+++++	0.88835	0.86647	0.86833	0.83010	0.82284						
	0.80056	0.74246	+++++				AVRG		0.83130		5.96895	<-
7 N-Nitrosomorpholine	+++++	1.13811	1.11206	1.08943	1.12546	1.13025						
	1.09777	1.06202	1.04567				AVRG		1.10010		3.00928	<-
8 Ethyl methanesulfonate	+++++	2.32925	2.10372	2.15328	2.20896	2.22512						
	2.08624	2.24782	2.15328				AVRG		2.18846		3.67236	<-

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ompound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
9 Pyridine	+++++	+++++	1.60800	2.18849	2.30838	2.48591						
	2.43387	2.37360	+++++				AVRG		2.23304		14.47468	<-
0 N-Nitrosodimethylamine	+++++	1.72899	1.64009	1.79217	1.71427	1.72059						
	1.65797	1.61330	+++++				AVRG		1.69534		3.62682	<-
1 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
2 3-Chloropropionitrile	+++++	0.94717	0.87637	0.93115	0.88044	0.90998						
	0.85976	0.85459	+++++				AVRG		0.89421		4.00180	<-
3 Malononitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
4 2-Picoline	+++++	2.61721	2.40891	2.49128	2.59296	2.60147						
	2.47992	2.57624	2.45526				AVRG		2.52791		3.10175	<-
5 N-Nitrosomethylethylamine	+++++	0.98377	1.18898	1.15584	1.06014	1.23177						
	1.17851	1.24505	1.19992				AVRG		1.15550		7.74382	<-

STL - North Canton

INITIAL CALIBRATION DATA

rt Cal Date : 12-APR-2004 09:04
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nt Method : ISTD
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egrator : HP RTE
hod file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Date : 12-Apr-2004 15:14 gruberj

ompound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
.6 Methyl methanesulfonate	+++++	1.63896	1.63257	1.56811	1.63737	1.65833						
	1.57873	1.67696	1.61983				AVRG		1.62636		2.27767	<-
.8 1,3-Dichloro-2-propanol	+++++	2.87179	2.83140	2.85237	3.00584	3.14280						
	2.98247	3.18783	3.02921				AVRG		2.98796		4.42488	<-
.9 N-Nitrosodiethylamine	+++++	1.11382	1.05573	1.11087	1.07615	1.11533						
	1.04665	1.11125	1.06516				AVRG		1.08687		2.66652	<-
:1 Aniline	+++++	3.20931	3.02586	3.33587	3.28174	3.22721						
	3.20551	3.15961	+++++				AVRG		3.20644		3.05743	<-
:2 Phenol	+++++	2.70412	2.55637	2.79591	2.67500	2.62830						
	2.58902	2.54908	+++++				AVRG		2.64254		3.37040	<-
:3 bis(2-Chloroethyl)ether	+++++	2.11750	1.81976	1.93729	1.93339	1.90931						
	1.89021	1.85483	+++++				AVRG		1.92319		4.96519	<-
:4 2-Chlorophenol	+++++	1.47181	1.36604	1.47967	1.40953	1.37931						
	1.34061	1.30163	+++++				AVRG		1.39266		4.72712	<-

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hod file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Date : 12-Apr-2004 15:14 gruberj

Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
5 Pentachloroethane	+++++	0.55128	0.52403	0.54732	0.55992	0.55904						
	0.54105	0.55969	0.53687				AVRG		0.54740		2.34767	<-
6 1,3-Dichlorobenzene	+++++	1.30749	1.24766	1.36012	1.33625	1.26334						
	1.24294	1.18523	+++++				AVRG		1.27757		4.73702	<-
7 1,4-Dichlorobenzene	+++++	1.23104	1.15762	1.19984	1.19582	1.14654						
	1.10796	1.10423	+++++				AVRG		1.16329		4.12953	<-
8 1,2-Dichlorobenzene	+++++	1.33732	1.23045	1.31078	1.24832	1.17726						
	1.19665	1.13917	+++++				AVRG		1.23428		5.76661	<-
9 Benzyl Alcohol	+++++	1.17008	1.19472	1.28655	1.28316	1.25645						
	1.20374	1.18657	+++++				AVRG		1.22590		3.94266	<-
0 2-Methylphenol	+++++	1.84695	1.69134	1.81587	1.73642	1.74755						
	1.71097	1.68697	+++++				AVRG		1.74801		3.52937	<-
1 bis(2-Chloroisopropyl)ether	+++++	1.69709	1.57508	1.70304	1.60603	1.59183						
	1.58606	1.56250	+++++				AVRG		1.61737		3.59236	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
32 N-Nitroso-di-n-propylamine	+++++	2.02999	1.98062	2.10333	2.10099	2.04809						
	2.03560	2.00429	+++++				AVRG		2.04327		2.24644	<-
95 Cresols, total	+++++	3.75376	3.35895	3.70259	3.56873	3.39960						
	3.30009	3.21061	+++++				AVRG		3.47062		5.97255	<-
92 4-Methylphenol	+++++	1.90681	1.66760	1.88671	1.83231	1.65206						
	1.58912	1.52363	+++++				AVRG		1.72261		8.81376	<-
93 3-Methylphenol	+++++	1.47415	1.55248	1.69639	1.82419	1.86149						
	1.74395	1.89783	1.80989				AVRG		1.73254		8.69757	<-
34 Hexachloroethane	+++++	0.61670	0.59167	0.67854	0.62979	0.61696						
	0.62450	0.59817	+++++				AVRG		0.62233		4.54692	<-
35 Nitrobenzene	+++++	0.68337	0.68574	0.72049	0.71590	0.72739						
	0.74803	0.75529	+++++				AVRG		0.71946		3.85523	<-
36 N-Nitrosopyrrolidine	+++++	0.98250	0.96729	1.04347	1.10870	1.05190						
	0.94933	0.94757	0.93992				AVRG		0.99884		6.18213	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
37 Acetophenone	+++++	2.47763	2.37228	2.57239	2.45402	2.33268						
	2.30586	2.27365	+++++				AVRG		2.39836		4.46385	<-
39 o-Toluidine	+++++	3.05383	2.92509	3.23161	3.32955	3.35269						
	3.11585	3.32784	3.34665				AVRG		3.21039		5.02404	<-
40 N-Nitrosopiperidine	+++++	0.23331	0.21720	0.21125	0.22283	0.22066						
	0.22148	0.23169	0.21945				AVRG		0.22223		3.26741	<-
41 Isophorone	+++++	1.07462	1.08025	1.17122	1.15196	1.18508						
	1.22060	1.22202	+++++				AVRG		1.15796		5.22448	<-
42 2-Nitrophenol	+++++	0.16556	0.17470	0.19920	0.19976	0.18825						
	0.19158	0.19081	+++++				AVRG		0.18712		6.75855	<-
43 2,4-Dimethylphenol	+++++	0.48325	0.46634	0.51136	0.50466	0.51257						
	0.53217	0.52899	+++++				AVRG		0.50562		4.69162	<-
44 bis(2-Chloroethoxy)methane	+++++	0.61611	0.58850	0.62261	0.60617	0.59686						
	0.61859	0.61907	+++++				AVRG		0.60970		2.11859	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
15 O,O,O-Triethyl phosphorothioa	+++++	0.16688	0.18537	0.18973	0.19252	0.18097						
	0.18837	0.18901	0.17941				AVRG		0.18403		4.47569	<-
16 2,4-Toluenediamene	+++++	+++++	16389	15100	53165	164204						
	295772	427596	+++++				QUAD	0.22951	10.21984	-5.27180	0.98167	<-
17 1,3,5-Trichlorobenzene	+++++	0.28819	0.29378	0.28738	0.29420	0.27939						
	0.28586	0.27962	+++++				AVRG		0.28692		2.07598	<-
18 2,4-Dichlorophenol	+++++	0.25841	0.27691	0.29580	0.28528	0.28510						
	0.28965	0.28617	+++++				AVRG		0.28247		4.25698	<-
19 Benzoic Acid	+++++	15996	47837	113798	357105	798776						
	1037353	1409761	1648933				QUAD	0.09959	4.52277	-0.16642	0.99850	<-
50 1,2,4-Trichlorobenzene	+++++	0.28367	0.28209	0.30052	0.28624	0.27755						
	0.29278	0.29002	+++++				AVRG		0.28755		2.64947	<-
51 Naphthalene	0.94574	1.04704	0.99935	1.02929	1.01236	1.00378						
	1.03233	1.02201	+++++				AVRG		1.01149		3.04851	<-

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ompound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
2 4-Chloroaniline	+++++	0.37168	0.38344	0.44920	0.42115	0.41785						
	0.43341	0.42681	+++++				AVRG		0.41479		6.65043	<-
3 a,a-Dimethyl-phenethylamine	+++++	+++++	113109	280244	808855	1615192						
	2561766	3582925	4759133				QUAD	0.12144	0.82192	-0.00461	0.99634	<-
4 2,6-Dichlorophenol	+++++	0.22141	0.23543	0.24572	0.26934	0.27338						
	0.27690	0.28274	0.27523				AVRG		0.26002		8.71847	<-
5 Hexachloropropene	+++++	0.20487	0.23763	0.22289	0.23521	0.24463						
	0.24749	0.25281	0.24414				AVRG		0.23621		6.59541	<-
6 Hexachlorobutadiene	+++++	0.17018	0.17344	0.16876	0.17564	0.17049						
	0.17577	0.17370	+++++				AVRG		0.17257		1.60825	<-
7 1,2,3-Trichlorobenzene	+++++	0.27067	0.26947	0.27711	0.27304	0.26727						
	0.27483	0.27507	+++++				AVRG		0.27249		1.28421	<-
8 N-Nitrosodi-n-butylamine	+++++	0.38726	0.44034	0.45694	0.45348	0.44770						
	0.45968	0.46201	0.45538				AVRG		0.44535		5.49265	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
39 4-Chloro-3-Methylphenol	+++++	0.35385	0.39942	0.42859	0.44246	0.44611						
	0.44478	0.44741	+++++				AVRG		0.42323		8.27053	<-
40 p-Phenylene diamine	+++++	+++++	+++++	77526	342170	751936						
	1063950	1438479	1815070				QUAD	0.33806	1.40373	0.19697	0.99568	<-
41 Safrole	+++++	0.27898	0.27377	0.28109	0.27516	0.27638						
	0.27401	0.28225	0.26323				AVRG		0.27561		2.14919	<-
42 2-Methylnaphthalene	0.62770	0.62346	0.62043	0.65642	0.63189	0.63730						
	0.64622	0.64656	+++++				AVRG		0.63625		1.98766	<-
43 1-Methylnaphthalene	0.62817	0.62423	0.58890	0.63509	0.61852	0.61203						
	0.62511	0.62041	+++++				AVRG		0.61906		2.25505	<-
44 Hexachlorocyclopentadiene	+++++	0.31178	0.33523	0.34976	0.36309	0.36176						
	0.38282	0.37613	+++++				AVRG		0.35437		6.92694	<-
45 1,2,4,5-Tetrachlorobenzene	+++++	0.63459	0.58274	0.58150	0.56953	0.57170						
	0.57242	0.59505	0.56446				AVRG		0.58400		3.86499	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
36 2,4,6-Trichlorophenol	+++++	0.36472	0.34672	0.39879	0.37939	0.39952						
	0.40256	0.39778	+++++				AVRG		0.38421		5.59869	<-
37 2,4,5-Trichlorophenol	+++++	0.36994	0.37135	0.41429	0.40053	0.40233						
	0.43068	0.41864	+++++				AVRG		0.40111		5.77023	<-
38 1,2,3,5-Tetrachlorobenzene	+++++	0.52206	0.49567	0.52122	0.49690	0.49715						
	0.50750	0.48709	+++++				AVRG		0.50394		2.67133	<-
39 1,4-Dinitrobenzene	+++++	+++++	0.17334	0.20429	0.22755	0.23539						
	0.24004	0.25030	0.24522				AVRG		0.22516		12.14563	<-
70 2-Chloronaphthalene	+++++	1.04777	0.98837	1.05914	1.03364	1.03396						
	1.06997	1.04827	+++++				AVRG		1.04016		2.52435	<-
71 Isosafrole 1	+++++	0.16096	0.12383	0.14852	0.15323	0.15831						
	0.15741	0.15859	0.15682				AVRG		0.15221		7.94275	<-
38 Isosafrole, Total	+++++	1.08995	1.01058	1.14547	1.14242	1.13274						
	1.10277	1.13202	1.09631				AVRG		1.10653		4.00381	<-

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Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
72 Isosafrole 2	+++++	0.92899	0.88676	0.99694	0.98918	0.97443						
	0.94536	0.97343	0.93948				AVRG		0.95432		3.82110	<-
73 2-Nitroaniline	+++++	0.55608	0.56147	0.66407	0.65125	0.70303						
	0.71808	0.71611	+++++				AVRG		0.65287		10.57840	<-
74 1,2,3,4-Tetrachlorobenzene	+++++	0.48778	0.44931	0.50585	0.47188	0.48427						
	0.49792	0.48014	+++++				AVRG		0.48245		3.81585	<-
75 1,4-Naphthoquinone	+++++	15779	33666	73934	193633	347125						
	380098	555393	632500				QUAD	0.01641	1.83339	0.77467	0.98030	<-
76 Dimethylphthalate	+++++	1.17116	1.18203	1.25159	1.23814	1.26253						
	1.29276	1.26092	+++++				AVRG		1.23702		3.60080	<-
77 m-Dinitrobenzene	+++++	+++++	0.19942	0.24373	0.25032	0.26912						
	0.25699	0.27406	0.26269				AVRG		0.25090		9.95929	<-
78 2,6-Dinitrotoluene	+++++	0.24988	0.22854	0.26748	0.27345	0.27684						
	0.29309	0.28059	+++++				AVRG		0.26712		8.05295	<-

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	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
79 Acenaphthylene	1.81193	1.80397	1.80658	1.85634	1.81014	1.80856						
	1.88174	1.83531	+++++				AVRG		1.82682		1.56533	<-
80 1,2-Dinitrobenzene	+++++	0.12559	0.13190	0.15070	0.14819	0.14873						
	0.15688	0.15526	+++++				AVRG		0.14532		8.19381	<-
81 3-Nitroaniline	+++++	0.24957	0.26823	0.28477	0.31264	0.32319						
	0.33900	0.33441	+++++				AVRG		0.30169		11.45649	<-
82 Acenaphthene	1.25989	1.14244	1.14233	1.21315	1.15958	1.19288						
	1.21862	1.18976	+++++				AVRG		1.18983		3.43709	<-
83 2,4-Dinitrophenol	+++++	+++++	21917	54260	184825	500574						
	590077	841029	921414				QUAD	0.30636	4.07738	-0.03758	0.99985	<-
84 Pentachlorobenzene	+++++	0.49414	0.47047	0.49012	0.48982	0.50136						
	0.48544	0.49430	0.47457				AVRG		0.48753		2.13150	<-
85 4-Nitrophenol	+++++	+++++	14583	45038	129294	329413						
	383812	538536	587160				QUAD	0.10126	3.10729	0.01717	0.99988	<-

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	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
36 Dibenzofuran	+++++	1.70411	1.54415	1.65809	1.60583	1.58900						
	1.61971	1.59684	+++++				AVRG		1.61682		3.18457	<-
37 2,4-Dinitrotoluene	+++++	0.35257	0.34962	0.38467	0.39016	0.38509						
	0.39592	0.39233	+++++				AVRG		0.37862		5.07840	<-
38 2,3,4,6-Tetrachlorophenol	+++++	+++++	0.23034	0.27180	0.30867	0.33424						
	0.33742	0.34962	0.34770				AVRG		0.31140		14.43555	<-
39 1-Naphthylamine	+++++	0.98514	1.02360	1.15157	1.18468	1.23397						
	1.25935	1.30573	1.25932				AVRG		1.17542		9.87973	<-
90 Zinophos	+++++	0.42415	0.43084	0.46086	0.48804	0.48293						
	0.47233	0.50003	0.48360				AVRG		0.46785		5.86331	<-
91 2,3,5,6-Tetrachlorophenol	+++++	0.30346	0.31421	0.34569	0.35483	0.36337						
	0.37993	0.37554	+++++				AVRG		0.34815		8.44910	<-
92 2-Naphthylamine	+++++	1.02985	0.94741	1.04677	1.08137	1.18269						
	1.18444	1.25656	1.24592				AVRG		1.12188		9.95591	<-

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ompound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
3 Diethylphthalate	+++++	1.33627	1.21816	1.37393	1.31139	1.32187						
	1.35376	1.33184	+++++				AVRG		1.32103		3.77148	<-
4 Fluorene	1.39044	1.28297	1.22379	1.30274	1.23026	1.22863						
	1.24496	1.22594	+++++				AVRG		1.26622		4.58801	<-
5 4-Chlorophenyl-phenylether	+++++	0.62923	0.63853	0.67079	0.64368	0.63224						
	0.63624	0.62644	+++++				AVRG		0.63959		2.33374	<-
6 4-Nitroaniline	+++++	+++++	0.27330	0.29945	0.32036	0.34105						
	0.33543	0.34030	+++++				AVRG		0.31832		8.52251	<-
7 5-Nitro-o-toluidine	+++++	+++++	0.28936	0.35703	0.39974	0.40994						
	0.41468	0.42419	0.42207				AVRG		0.38814		12.66073	<-
8 4,6-Dinitro-2-methylphenol	+++++	+++++	0.09984	0.13551	0.14677	0.15145						
	0.15980	0.15943	0.15486				AVRG		0.14395		14.71183	<-
9 N-Nitrosodiphenylamine	+++++	0.47884	0.48352	0.51983	0.51670	0.51474						
	0.54034	0.52883	+++++				AVRG		0.51183		4.43229	<-

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ompound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
0 1,2-Diphenylhydrazine	+++++	1.24654	1.28434	1.37770	1.37300	1.35778						
	1.42178	1.43520	+++++				AVRG		1.35662		5.07827	<-
1 Diphenylamine	+++++	0.47884	0.48352	0.51983	0.51670	0.51474						
	0.54034	0.52883	+++++				AVRG		0.51183		4.43229	<-
2 Tetraethyl dithiopyrophosphat	+++++	0.09436	0.10070	0.10163	0.10627	0.10695						
	0.10927	0.11542	0.10892				AVRG		0.10544		6.09420	<-
3 Diallate 1	+++++	0.96812	0.93597	0.97205	0.96694	0.97765						
	0.95225	1.02951	1.01207				AVRG		0.97682		3.11671	<-
9 Diallate, Total	+++++	4.87299	4.58575	4.75522	4.90098	4.83701						
	4.49789	4.91117	4.75066				AVRG		4.76396		3.17823	<-
4 Phorate	+++++	0.15835	0.16511	0.17511	0.16547	0.17504						
	0.17235	0.17929	0.16930				AVRG		0.17000		4.00100	<-
5 1,3,5-Trinitrobenzene	+++++	+++++	8707	21251	66523	149734						
	201109	255460	323841				QUAD	0.22089	7.24290	6.77322	0.99746	<-

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ompound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
6 4-Bromophenyl-phenylether	+++++	0.18303	0.18702	0.19430	0.18812	0.18817						
	0.19404	0.18742	+++++				AVRG		0.18887		2.12799	<-
7 Hexachlorobenzene	+++++	0.16723	0.17800	0.18786	0.17921	0.18052						
	0.18686	0.17753	+++++				AVRG		0.17960		3.81650	<-
8 Phenacetin	+++++	+++++	0.41316	0.48811	0.53669	0.57295						
	0.58924	0.60499	0.58936				AVRG		0.54207		12.80992	<-
9 Diallate 2	+++++	0.20428	0.18413	0.20532	0.20526	0.20799						
	0.21065	0.22329	0.21517				AVRG		0.20701		5.42450	<-
0 Dimethoate	+++++	0.40289	0.39837	0.47729	0.48966	0.50294						
	0.45954	0.45309	0.39755				AVRG		0.44767		9.55732	<-
1 Pentachlorophenol	+++++	+++++	0.10782	0.12574	0.14050	0.14342						
	0.14790	0.14592	0.14425				AVRG		0.13651		10.70460	<-
2 Pentachloronitrobenzene	+++++	0.09790	0.09152	0.09450	0.10304	0.10461						
	0.10374	0.11540	0.11080				AVRG		0.10269		7.78323	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
3 4-Aminobiphenyl	+++++	0.61605	0.66541	0.70680	0.70160	0.83063						
	0.83586	0.90251	0.87301				AVRG		0.76648		13.89471	<-
4 Pronamide	+++++	0.30808	0.31733	0.35755	0.36100	0.36966						
	0.37686	0.39364	0.37655				AVRG		0.35759		8.36305	<-
5 Phenanthrene	1.08586	1.03639	0.98709	1.03710	1.02503	1.01008						
	1.04213	1.00292	+++++				AVRG		1.02832		2.92494	<-
6 Anthracene	0.89785	0.95044	0.92015	1.02964	1.01570	1.00209						
	1.05360	1.00179	+++++				AVRG		0.98391		5.59320	<-
7 Dinoseb	+++++	+++++	15847	41711	128932	308227						
	420847	624604	836518				QUAD	0.15956	4.78440	-0.36055	0.99712	<-
8 Disulfoton	+++++	0.85026	0.71009	0.71633	0.68394	0.70218						
	0.68735	0.74498	0.72686				AVRG		0.72775		7.33651	<-
9 Carbazole	+++++	0.85400	0.87307	0.95543	0.94302	0.95846						
	0.97869	0.96258	+++++				AVRG		0.93218		5.18976	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
20 Di-n-Butylphthalate	+++++	1.09367	1.10699	1.20715	1.22210	1.22526						
	1.26758	1.22075	+++++				AVRG		1.19193		5.48835	<-
21 4-Nitroquinoline 1-oxide	+++++	+++++	4099	14907	59802	171860						
	251567	365529	511771				QUAD	0.29613	8.08853	-1.40514	0.99820	<-
22 Methapyrilene	+++++	33049	75191	171261	446059	809788						
	956013	1184666	1273251				QUAD	0.13725	0.74976	0.80604	0.96462	<-
23 Fluoranthene	1.15003	1.12495	1.12687	1.22928	1.21413	1.19323						
	1.23001	1.19279	+++++				AVRG		1.18266		3.66174	<-
24 Benzidine	+++++	+++++	72592	136743	390546	1201557						
	1629039	2243956	2523535				QUAD	0.21338	1.43280	-0.02679	0.99616	<-
25 Pyrene	1.27520	1.19358	1.21773	1.27969	1.27938	1.27286						
	1.29787	1.28264	+++++				AVRG		1.26237		2.88108	<-
26 Aramite 1	+++++	0.05976	+++++	0.06347	0.06904	0.06916						
	0.06844	0.07383	0.06721				AVRG		0.06727		6.70424	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
1 Aramite, Total	+++++	0.53565	+++++	0.55246	0.61783	0.64849						
	0.61116	0.65697	0.62732				AVRG		0.60713		7.61676	<-
7 Aramite 2	+++++	0.07948	+++++	0.07718	0.08119	0.09020						
	0.08580	0.08955	0.08496				AVRG		0.08405		5.91311	<-
8 p-Dimethylamino azobenzene	+++++	0.21920	0.26092	0.26840	0.28750	0.29119						
	0.28661	0.30185	0.27910				AVRG		0.27435		9.38785	<-
9 p-Chlorobenzilate	+++++	0.39690	0.37632	0.41167	0.42577	0.44492						
	0.44060	0.46654	0.43773				AVRG		0.42506		6.81004	<-
0 Famphur 1	+++++	0.42037	0.42003	0.41456	0.21613	0.06311						
	0.03557	0.01732	0.02124				AVRG		0.20104		94.81900	<-
1 Butylbenzylphthalate	+++++	0.45643	0.47014	0.52868	0.55038	0.56604						
	0.57991	0.56624	+++++				AVRG		0.53111		9.25848	<-
2 3,3'-Dimethylbenzidine	+++++	+++++	0.56055	0.65926	0.57754	0.43373						
	0.49977	0.54715	0.53354				AVRG		0.54450		12.74964	<-

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ompound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
3 3,3'-Dimethoxybenzidine	+++++	0.67711	0.72707	0.76231	0.75398	0.76017						
	0.77355	0.76439	+++++				AVRG		0.74551		4.49228	<-
4 2-Acetylaminofluorene	+++++	+++++	46673	129579	355733	828748						
	1155331	1641550	2201205				QUAD	0.13769	1.68191	0.01353	0.99651	<-
5 3,3'-Dichlorobenzidine	+++++	0.34747	0.40833	0.41195	0.40874	0.41350						
	0.42792	0.44431	+++++				AVRG		0.40889		7.35055	<-
6 Benzo(a)Anthracene	1.24433	1.10359	1.14957	1.19370	1.14748	1.13242						
	1.17351	1.18573	+++++				AVRG		1.16629		3.69266	<-
7 Chrysene	1.15015	1.07705	1.02970	1.15046	1.07871	1.11230						
	1.13841	1.12171	+++++				AVRG		1.10731		3.83954	<-
8 4,4'-Methylene bis(o-chloroan	+++++	0.17350	0.19032	0.20524	0.21388	0.21553						
	0.22819	0.23959	+++++				AVRG		0.20946		10.66136	<-
9 bis(2-ethylhexyl)Phthalate	+++++	0.70754	0.72727	0.78513	0.78560	0.79406						
	0.81815	0.84359	+++++				AVRG		0.78019		6.14347	<-

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10 Di-n-octylphthalate	+++++	1.33166	1.42750	1.70276	1.84444	1.83573						
	1.91229	1.89670	+++++				AVRG		1.70730		13.79067	<-
11 Benzo(b)fluoranthene	+++++	1.30983	1.40651	1.50193	1.56451	1.52738						
	1.70552	1.70081	+++++				AVRG		1.53093		9.45402	<-
12 Benzo(k)fluoranthene	1.31918	1.36326	1.48371	1.60484	1.63806	1.63447						
	1.61581	1.46571	+++++				AVRG		1.51563		8.36160	<-
13 7,12-dimethylbenz[a]anthracen	+++++	0.68221	0.65763	0.70625	0.75816	0.76510						
	0.79019	0.80659	0.78949				AVRG		0.74445		7.43883	<-
14 Hexachlorophene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
15 Hexachlorophene product	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
16 Benzo(a)pyrene	1.20716	1.22462	1.30271	1.38974	1.44055	1.40722						
	1.48212	1.46108	+++++				AVRG		1.36440		7.81320	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
48 3-Methylcholanthrene	+++++	+++++	0.75663	0.79146	0.83859	0.88915						
	0.89700	0.91314	0.89888				AVRG		0.85498		7.11754	<-
49 Indeno(1,2,3-cd)pyrene	+++++	1.27417	1.34672	1.45839	1.57975	1.57419						
	1.66193	1.63040	+++++				AVRG		1.50365		9.83509	<-
50 Dibenz(a,h)anthracene	+++++	1.06037	1.08877	1.22698	1.32992	1.35136						
	1.40473	1.37855	+++++				AVRG		1.26295		11.12463	<-
51 Benzo(g,h,i)perylene	+++++	1.05923	1.13534	1.25928	1.30979	1.31832						
	1.39594	1.34464	+++++				AVRG		1.26036		9.57457	<-
99 3-Picoline	+++++	+++++	1.86127	2.12043	2.47389	2.52281						
	2.46025	2.54581	2.47586				AVRG		2.35147		11.02269	<-
00 N,N-Dimethylacetamide	+++++	1.53562	1.58606	1.30661	1.39385	1.41934						
	1.34850	1.43684	1.36350				AVRG		1.42379		6.66093	<-
01 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-

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02 Diphenyl	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
03 Diphenyl ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
04 6-Methylchrysene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
05 Benzenethiol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
07 Indene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
08 Dibenz(a,j)acridine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
09 Benzaldehyde	+++++	33400	67904	138400	352288	782419						
	858873	1064786	+++++				QUAD	0.06288	0.37067	0.05573	0.99872	<-

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.0 Caprolactam	+++++	0.11590	0.12471	0.13733	0.13854	0.14092						
	0.14051	0.13971	+++++				AVRG		0.13395		7.26574	<-
.1 1,1'-Biphenyl	+++++	1.54474	1.40621	1.45507	1.41229	1.39908						
	1.44194	1.40221	+++++				AVRG		1.43736		3.61103	<-
2 Atrazine	+++++	0.16998	0.18356	0.19454	0.18832	0.17693						
	0.19476	0.17697	+++++				AVRG		0.18358		5.17017	<-
3 Benzothiazole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
4 1,3-Dimethyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
5 Phenyl ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
6 1,3-Diethyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-

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Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
17 1,3-Dibutyl-2-Thiourea	++++++	++++++	++++++	++++++	++++++	++++++						
	++++++	++++++	++++++				AVRG		0.000e+000		0.000e+000	<-
18 1,1,3,3-Tetramethyl-2-Thioure	++++++	++++++	++++++	++++++	++++++	++++++						
	++++++	++++++	++++++				AVRG		0.000e+000		0.000e+000	<-
19 o-Benzyl Phenol	++++++	++++++	++++++	++++++	++++++	++++++						
	++++++	++++++	++++++				AVRG		0.000e+000		0.000e+000	<-
20 Diphenyl Thiourea	++++++	++++++	++++++	++++++	++++++	++++++						
	++++++	++++++	++++++				AVRG		0.000e+000		0.000e+000	<-
21 Hexabromobenzene	++++++	++++++	++++++	++++++	++++++	++++++						
	++++++	++++++	++++++				AVRG		0.000e+000		0.000e+000	<-
22 Dibenz(a,h)acridine	++++++	++++++	++++++	++++++	++++++	++++++						
	++++++	++++++	++++++				AVRG		0.000e+000		0.000e+000	<-
23 1,2-bis(2-chloroethoxy)ethane	++++++	++++++	++++++	++++++	++++++	++++++						
	++++++	++++++	++++++				AVRG		0.000e+000		0.000e+000	<-

STL - North Canton

INITIAL CALIBRATION DATA

.rt Cal Date : 12-APR-2004 09:04
l Cal Date : 12-APR-2004 14:51
.nt Method : ISTD
get Version : 4.12
egrator : HP RTE
hod file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Date : 12-Apr-2004 15:14 gruberj

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
24 Acrylamide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
25 Methyl parathion	+++++	0.29795	0.29594	0.34392	0.34190	0.35283						
	0.33844	0.34805	0.32539				AVRG		0.33055		6.72529	<-
26 Parathion	+++++	0.19672	0.21169	0.22956	0.25025	0.26178						
	0.26562	0.27753	0.26245				AVRG		0.24445		11.74875	<-
27 Isodrin	+++++	0.23695	0.21283	0.22695	0.22845	0.23697						
	0.23269	0.25512	0.24368				AVRG		0.23421		5.32116	<-
28 Kepone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
29 Famphur,Total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	
30 Famphur 2	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	

STL - North Canton

INITIAL CALIBRATION DATA

rt Cal Date : 12-APR-2004 09:04
Cal Date : 12-APR-2004 14:51
nt Method : ISTD
get Version : 4.12
egrator : HP RTE
hod file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Date : 12-Apr-2004 15:14 gruberj

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
54 Nitrobenzene-d5	0.63688	0.65033	0.64003	0.68831	0.65989	0.67979						
	0.70189	0.70953	+++++				AVRG		0.67083		4.17452	<-
55 2-Fluorobiphenyl	1.42263	1.26562	1.28572	1.34194	1.31711	1.32006						
	1.36784	1.33097	+++++				AVRG		1.33149		3.64712	<-
56 Terphenyl-d14	0.86486	0.67711	0.72707	0.76231	0.75398	0.76017						
	0.77355	0.76439	+++++				AVRG		0.76043		6.88606	<-
57 Phenol-d5	2.31527	2.23661	2.26396	2.43095	2.38463	2.37374						
	2.30488	2.25550	+++++				AVRG		2.32069		2.99769	<-
58 2-Fluorophenol	1.41969	1.41578	1.42658	1.48388	1.58666	1.52192						
	1.46117	1.43530	+++++				AVRG		1.46887		4.07878	<-
59 2,4,6-Tribromophenol	+++++	+++++	0.13057	0.15339	0.15302	0.16032						
	0.16329	0.16226	+++++				AVRG		0.15381		7.93502	<-
36 2-Chlorophenol-d4	+++++	1.35993	1.25510	1.46309	1.36980	1.36160						
	1.33798	1.27675	+++++				AVRG		1.34632		5.05915	<-

STL - North Canton

INITIAL CALIBRATION DATA

rt Cal Date : 12-APR-2004 09:04
l Cal Date : 12-APR-2004 14:51
nt Method : ISTD
get Version : 4.12
egrator : HP RTE
hod file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Date : 12-Apr-2004 15:14 gruberj

Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
37 1,2-Dichlorobenzene-d4	+++++	0.87224	0.80550	0.86948	0.83108	0.78968						
	0.76824	0.73384	+++++				AVRG		0.81001		6.34198	<-

STL - North Canton

INITIAL CALIBRATION DATA

rt Cal Date : 12-APR-2004 09:04
Cal Date : 12-APR-2004 14:51
nt Method : ISTD
get Version : 4.12
egrator : HP RTE
hod file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Date : 12-Apr-2004 15:14 gruberj

ve	Formula	Units
raged	Amt = Rsp/m1	Response
d	Amt = b + m1*Rsp + m2*Rsp^2	Response

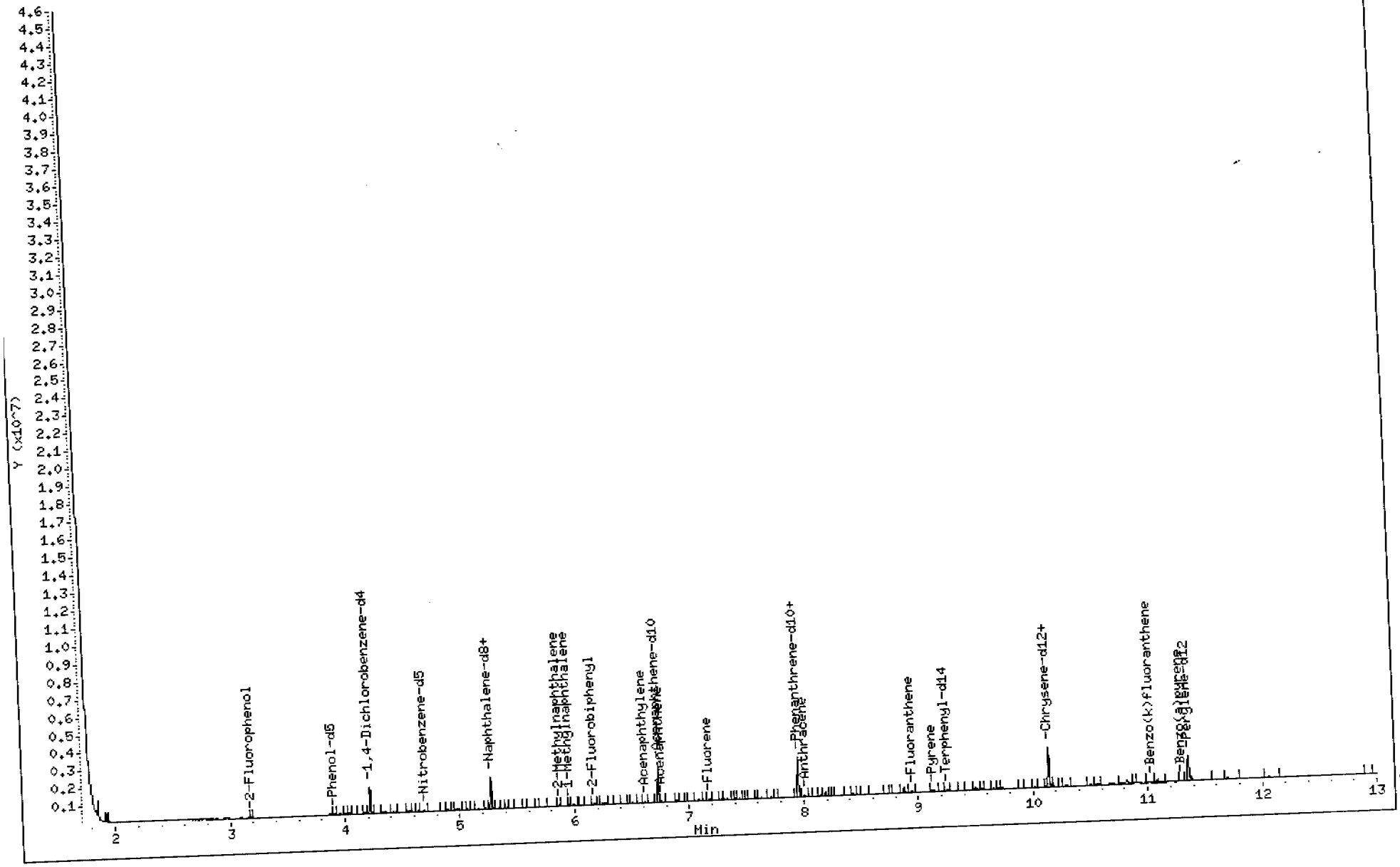
Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SLL0412.D
Date : 12-APR-2004 10:25
Client ID:
Sample Info: 11,40412a.b,8270p,pah.sub,1,,1

Column phase: db5.625

Instrument: a4hp6.i

Operator: 001710
Column diameter: 0.32

\\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SLL0412.D



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

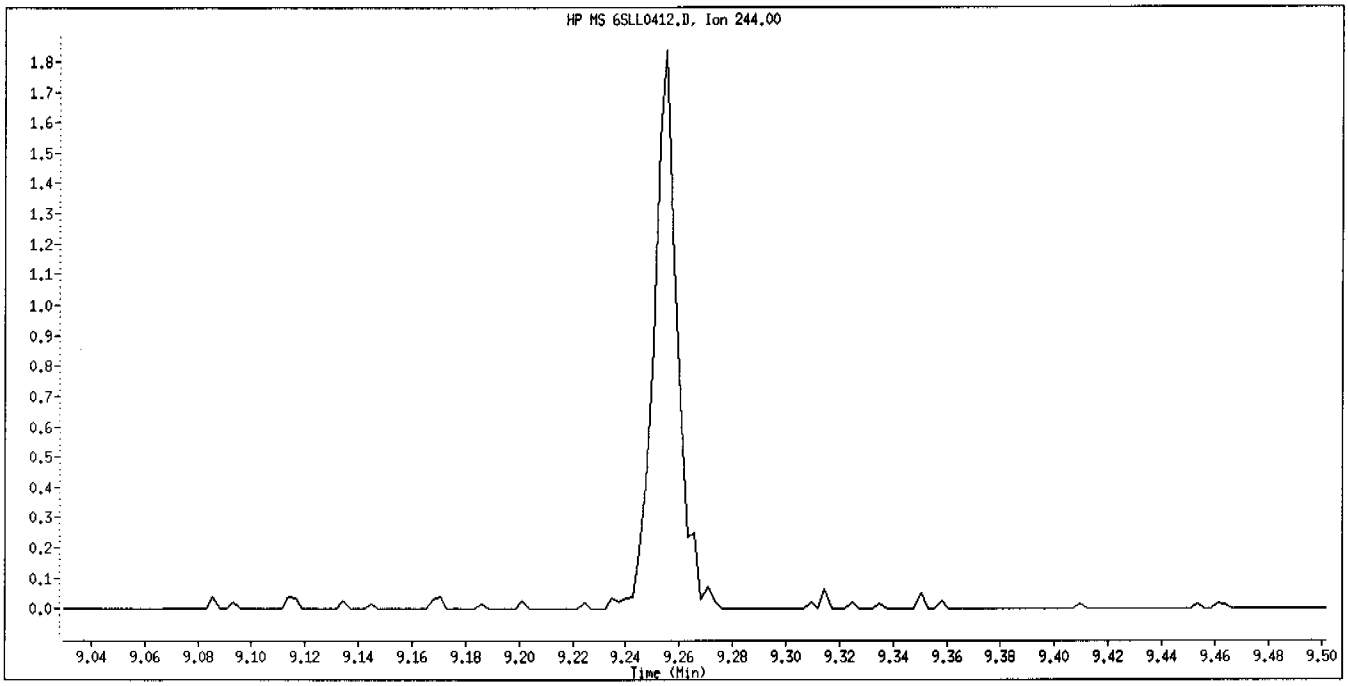
Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SLL0412.D
Lab Smp Id: 11
Inj Date : 12-APR-2004 10:25 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 11,40412a.b,8270p,pah.sub,1,,1
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:16 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000 Compound Sublist: pah.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.220	4.220	(1.000)	128676	2.00000	
* 2 Naphthalene-d8	136	5.274	5.274	(1.000)	509863	2.00000	
* 3 Acenaphthene-d10	164	6.732	6.732	(1.000)	288312	2.00000	(H)
* 4 Phenanthrene-d10	188	7.954	7.954	(1.000)	542316	2.00000	
* 5 Chrysene-d12	240	10.137	10.137	(1.000)	528733	2.00000	
* 6 Perylene-d12	264	11.356	11.356	(1.000)	364226	2.00000	
51 Naphthalene	128	5.295	5.295	(1.004)	12055	0.05000	0.046750
62 2-Methylnaphthalene	142	5.863	5.863	(1.112)	8001	0.05000	0.049328
63 1-Methylnaphthalene	142	5.948	5.948	(1.128)	8007	0.05000	0.050736
79 Acenaphthylene	152	6.611	6.611	(1.055)	13060	0.05000	0.049592
82 Acenaphthene	153	6.755	6.755	(1.078)	9081	0.05000	0.052944
94 Fluorene	166	7.182	7.182	(1.146)	10022	0.05000	0.054905
115 Phenanthrene	178	7.972	7.972	(1.002)	14722	0.05000	0.052798
116 Anthracene	178	8.010	8.010	(1.007)	12173	0.05000	0.045627
123 Fluoranthene	202	8.946	8.946	(1.125)	15592	0.05000	0.048620
125 Pyrene	202	9.129	9.129	(0.901)	16856	0.05000	0.050508
136 Benzo(a)Anthracene	228	10.127	10.127	(0.999)	16448	0.05000	0.053346
137 Chrysene	228	10.157	10.157	(1.002)	15203	0.05000	0.051934
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	11.039	11.039	(0.972)	12012	0.05000	0.043519
146 Benzo(a)pyrene	252	11.302	11.302	(0.995)	10992	0.05000	0.044238
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.680	4.680	(0.887)	8118	0.05000	0.047469
$ 155 2-Fluorobiphenyl	172	6.172	6.172	(0.984)	10254	0.05000	0.053422
$ 156 Terphenyl-d14	244	9.255	9.255	(0.913)	11432	0.05000	0.056867(M)
$ 159 2,4,6-Tribromophenol	330	Compound Not Detected.					

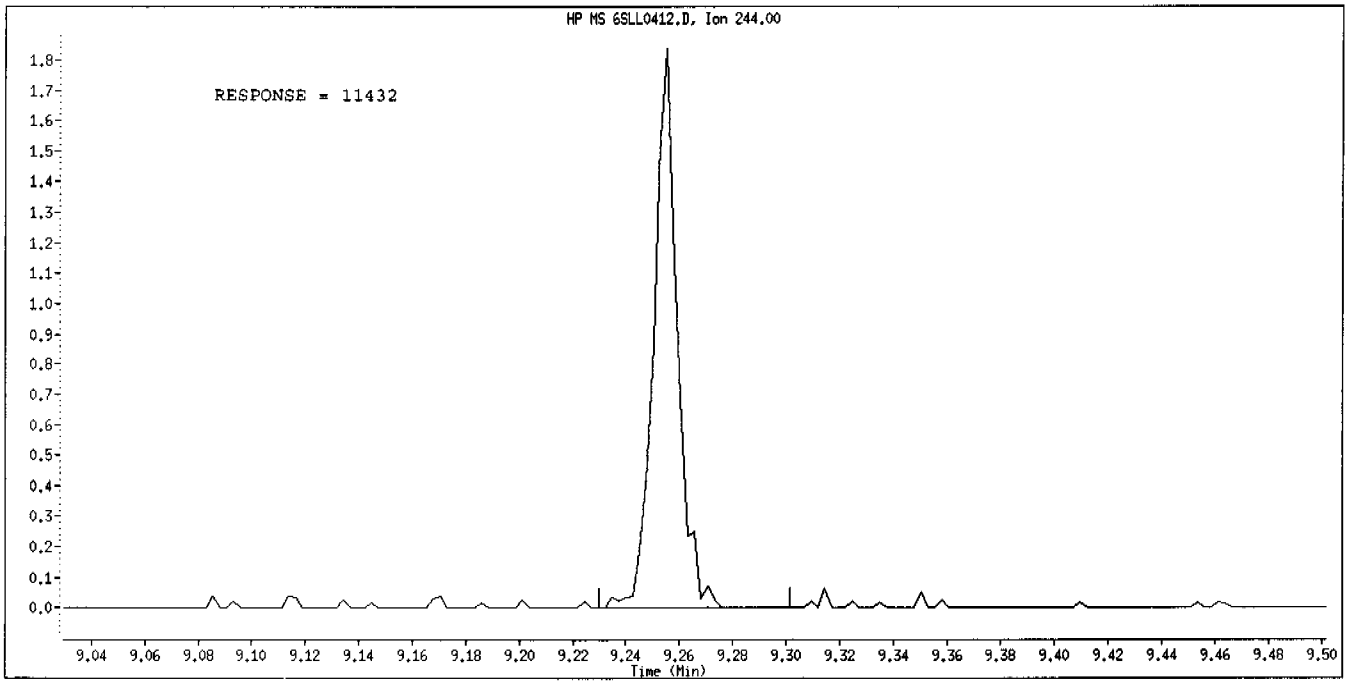
QC Flag Legend

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

Data File Name: 6SLL0412.D
Inj. Date and Time: 12-APR-2004 10:25
Instrument ID: a4hp6.i
Client ID:
Compound Name: Terphenyl-d14
CAS #: 1718-51-0
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SL0412.D
Date : 12-APR-2004 10:05
Client ID:
Sample Info: 12,40412a,b,8270W,3-827042,sub,1,,2
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32

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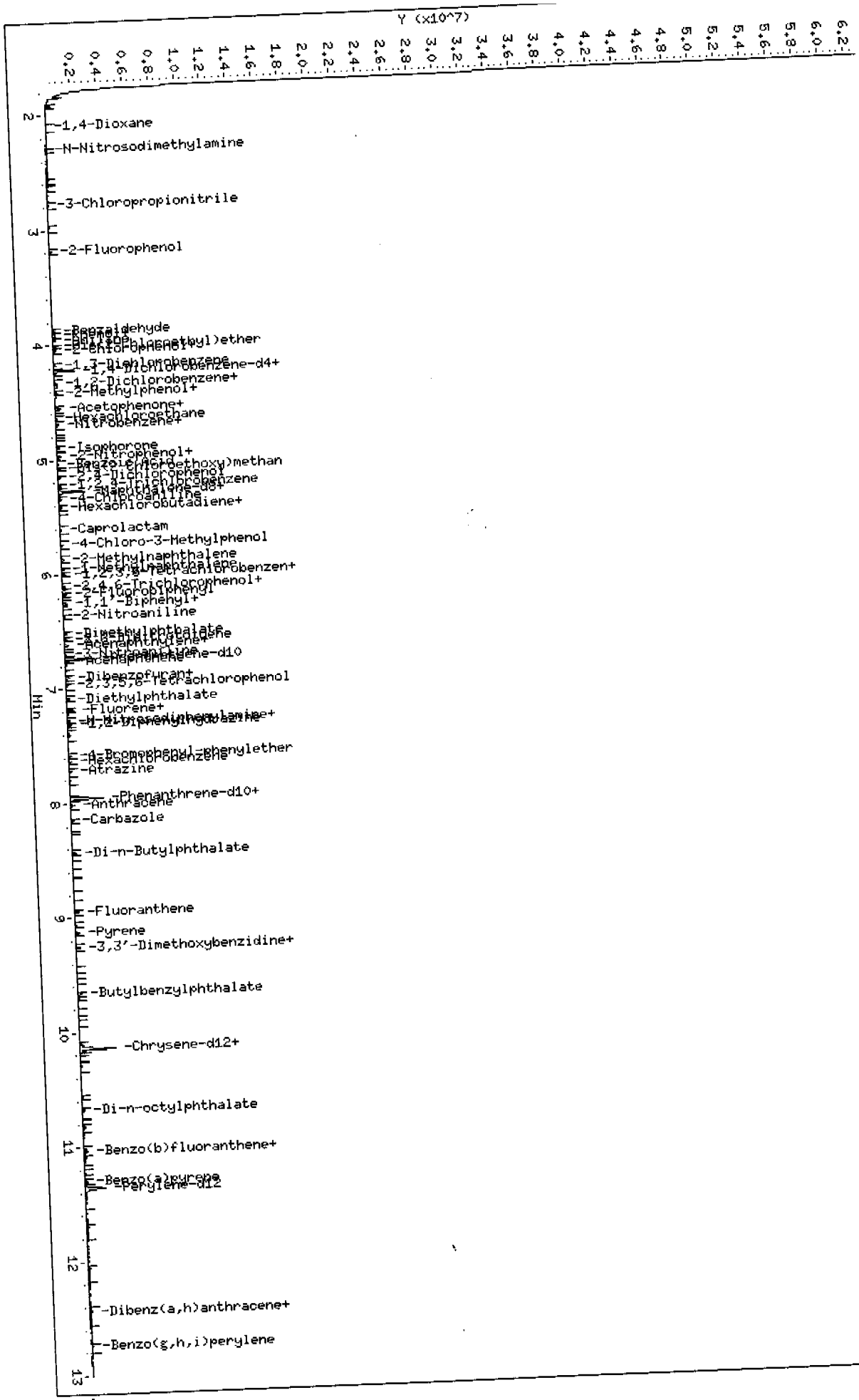


Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SL0412.D
Report Date: 12-Apr-2004 15:16

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SL0412.D
Lab Smp Id: 12
Inj Date : 12-APR-2004 10:05 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 12,40412a.b,8270p,3-827042.sub,1,,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:16 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:30 Cal File: 6AML0412.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.220	4.220	(1.000)	131642	2.00000	
* 2 Naphthalene-d8	136	5.274	5.274	(1.000)	559359	2.00000	
* 3 Acenaphthene-d10	164	6.730	6.730	(1.000)	312763	2.00000	(H)
* 4 Phenanthrene-d10	188	7.954	7.954	(1.000)	593483	2.00000	
* 5 Chrysene-d12	240	10.137	10.137	(1.000)	590993	2.00000	
* 6 Perylene-d12	264	11.356	11.356	(1.000)	406802	2.00000	
198 1,4-Dioxane	88	2.093	2.093	(0.496)	14618	0.25000	0.26716
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	2.299	2.299	(0.545)	28451	0.25000	0.25496
12 3-Chloropropionitrile	54	2.775	2.775	(0.658)	15586	0.25000	0.26481
209 Benzaldehyde	77	3.875	3.875	(0.918)	33400	0.25000	0.29381
21 Aniline	93	3.958	3.958	(0.938)	52810	0.25000	0.25022
22 Phenol	94	3.919	3.919	(0.929)	44497	0.25000	0.25582
23 bis(2-Chloroethyl)ether	93	4.006	4.006	(0.949)	34844	0.25000	0.27526
24 2-Chlorophenol	128	4.048	4.048	(0.959)	24219	0.25000	0.26421
26 1,3-Dichlorobenzene	146	4.176	4.176	(0.990)	21515	0.25000	0.25585
27 1,4-Dichlorobenzene	146	4.235	4.235	(1.004)	20257	0.25000	0.26456
28 1,2-Dichlorobenzene	146	4.361	4.361	(1.034)	22006	0.25000	0.27087
29 Benzyl Alcohol	108	4.333	4.333	(1.027)	19254	0.25000	0.23862
30 2-Methylphenol	108	4.418	4.418	(1.047)	30392	0.25000	0.26415
31 bis(2-Chloroisopropyl)ether	45	4.444	4.444	(1.053)	27926	0.25000	0.26232
37 Acetophenone	105	4.554	4.554	(1.079)	40770	0.25000	0.25826
32 N-Nitroso-di-n-propylamine	70	4.554	4.554	(1.079)	33404	0.25000	0.24837
192 4-Methylphenol	108	4.544	4.544	(1.077)	31377	0.25000	0.27673
34 Hexachloroethane	117	4.634	4.634	(1.098)	10148	0.25000	0.24774
35 Nitrobenzene	77	4.698	4.698	(0.891)	47781	0.25000	0.23746
41 Isophorone	82	4.894	4.894	(0.928)	75137	0.25000	0.23200
42 2-Nitrophenol	139	4.963	4.963	(0.941)	11576	0.25000	0.22119
43 2,4-Dimethylphenol	107	4.989	4.989	(0.946)	33789	0.25000	0.23894
44 bis(2-Chloroethoxy)methane	93	5.074	5.074	(0.962)	43078	0.25000	0.25262
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	4.963	4.963	(0.941)	20150	0.25000	0.25111
48 2,4-Dichlorophenol	162	5.153	5.153	(0.977)	18068	0.25000	0.22870

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.035	5.035	(0.955)	15996	0.50000	0.27674(Q)
50 1,2,4-Trichlorobenzene	180	5.225	5.225	(0.991)	19834	0.25000	0.24662
51 Naphthalene	128	5.292	5.292	(1.003)	73209	0.25000	0.25879
52 4-Chloroaniline	127	5.341	5.341	(1.013)	25988	0.25000	0.22402
56 Hexachlorobutadiene	225	5.392	5.392	(1.022)	11899	0.25000	0.24654
210 Caprolactam	113	5.611	5.611	(1.064)	8104	0.25000	0.21633
57 1,2,3-Trichlorobenzene	180	5.413	5.413	(1.026)	18925	0.25000	0.24832
59 4-Chloro-3-Methylphenol	107	5.737	5.737	(1.088)	24741	0.25000	0.20902
62 2-Methylnaphthalene	142	5.866	5.866	(1.112)	43592	0.25000	0.24497
63 1-Methylnaphthalene	142	5.950	5.950	(1.128)	43646	0.25000	0.25209
64 Hexachlorocyclopentadiene	237	5.999	5.999	(0.957)	12189	0.25000	0.21995(H)
66 2,4,6-Trichlorophenol	196	6.102	6.102	(0.973)	14259	0.25000	0.23732
67 2,4,5-Trichlorophenol	196	6.128	6.128	(0.977)	14463	0.25000	0.23057
211 1,1'-Biphenyl	154	6.254	6.254	(0.998)	60392	0.25000	0.26868
68 1,2,3,5-Tetrachlorobenzene	216	5.997	5.997	(0.957)	20410	0.25000	0.25899
70 2-Chloronaphthalene	162	6.269	6.269	(1.000)	40963	0.25000	0.25183
73 2-Nitroaniline	65	6.359	6.359	(1.014)	21740	0.25000	0.21294
74 1,2,3,4-Tetrachlorobenzene	216	6.244	6.244	(0.996)	19070	0.25000	0.25276
76 Dimethylphthalate	163	6.506	6.506	(1.038)	45787	0.25000	0.23669
78 2,6-Dinitrotoluene	165	6.560	6.560	(1.046)	9769	0.25000	0.23386(Q)
79 Acenaphthylene	152	6.614	6.614	(1.055)	70527	0.25000	0.24687
80 1,2-Dinitrobenzene	168	6.604	6.604	(1.053)	4910	0.25000	0.21606(Q)
81 3-Nitroaniline	138	6.699	6.699	(1.068)	9757	0.25000	0.20681
82 Acenaphthene	153	6.758	6.758	(1.078)	44664	0.25000	0.24004
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	6.899	6.899	(1.100)	66623	0.25000	0.26350
87 2,4-Dinitrotoluene	165	6.894	6.894	(1.100)	13784	0.25000	0.23280
91 2,3,5,6-Tetrachlorophenol	232	6.966	6.966	(1.111)	11864	0.25000	0.21791
93 Diethylphthalate	149	7.085	7.085	(1.130)	52242	0.25000	0.25288
94 Fluorene	166	7.180	7.180	(1.145)	50158	0.25000	0.25331
95 4-Chlorophenyl-phenylether	204	7.180	7.180	(1.145)	24600	0.25000	0.24595
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	7.280	7.280	(0.915)	35523	0.25000	0.23389
100 1,2-Diphenylhydrazine	77	7.308	7.308	(0.919)	92475	0.25000	0.22971
106 4-Bromophenyl-phenylether	248	7.581	7.581	(0.953)	13578	0.25000	0.24227
107 Hexachlorobenzene	284	7.632	7.632	(0.960)	12406	0.25000	0.23278
212 Atrazine	200	7.717	7.717	(0.970)	12610	0.25000	0.23148
111 Pentachlorophenol	266	Compound Not Detected.					
115 Phenanthrene	178	7.972	7.972	(1.002)	76885	0.25000	0.25196
116 Anthracene	178	8.013	8.013	(1.007)	70509	0.25000	0.24150
119 Carbazole	167	8.147	8.147	(1.024)	63354	0.25000	0.22903
120 Di-n-Butylphthalate	149	8.427	8.427	(1.059)	81134	0.25000	0.22939
123 Fluoranthene	202	8.944	8.944	(1.124)	83455	0.25000	0.23780
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.131	9.131	(0.901)	88175	0.25000	0.23638
131 Butylbenzylphthalate	149	9.656	9.656	(0.953)	33718	0.25000	0.21484
133 3,3'-Dimethoxybenzidine	244	9.255	9.255	(0.913)	50021	0.25000	0.22706
135 3,3'-Dichlorobenzidine	252	10.109	10.109	(0.997)	25669	0.25000	0.21245
136 Benzo(a)Anthracene	228	10.129	10.129	(0.999)	81527	0.25000	0.23656
137 Chrysene	228	10.157	10.157	(1.002)	79566	0.25000	0.24317
138 4,4'-Methylene bis(o-chloroan	231	10.109	10.109	(0.997)	12817	0.25000	0.20707
139 bis(2-ethylhexyl)Phthalate	149	10.134	10.134	(1.000)	52269	0.25000	0.22672

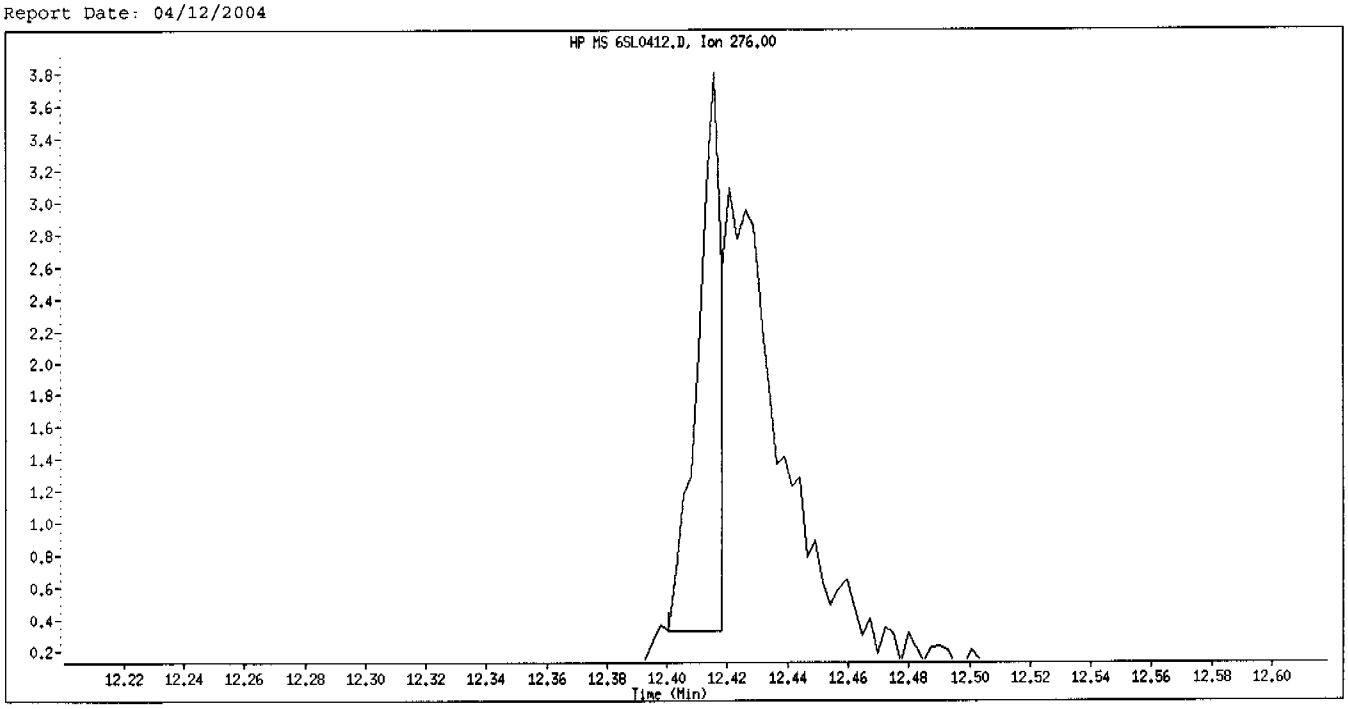
Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.D\65L0412.D
Report Date: 12-Apr-2004 15:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.669	10.669	(0.940)	67715	0.25000	0.19499
141 Benzo(b)fluoranthene	252	11.016	11.016	(0.970)	66605	0.25000	0.21389
142 Benzo(k)fluoranthene	252	11.037	11.037	(0.972)	69322	0.25000	0.22487
146 Benzo(a)pyrene	252	11.299	11.299	(0.995)	62272	0.25000	0.22439
149 Indeno(1,2,3-cd)pyrene	276	12.415	12.415	(1.093)	64792	0.25000	0.21185(QM)
150 Dibenz(a,h)anthracene	278	12.436	12.436	(1.095)	53920	0.25000	0.20990
151 Benzo(g,h,i)perylene	276	12.731	12.731	(1.121)	53862	0.25000	0.21010
$ 154 Nitrobenzene-d5	82	4.683	4.683	(0.888)	45471	0.25000	0.24236
$ 155 2-Fluorobiphenyl	172	6.172	6.172	(0.984)	49480	0.25000	0.23763
$ 156 Terphenyl-d14	244	9.255	9.255	(0.913)	50021	0.25000	0.22261
$ 157 Phenol-d5	99	3.909	3.909	(0.926)	36804	0.25000	0.24094
$ 158 2-Fluorophenol	112	3.186	3.186	(0.755)	23297	0.25000	0.24096
$ 159 2,4,6-Tribromophenol	330	Compound Not Detected.					
$ 186 2-Chlorophenol-d4	132	4.032	4.032	(0.956)	22378	0.25000	0.25253
$ 187 1,2-Dichlorobenzene-d4	152	4.348	4.348	(1.030)	14353	0.25000	0.26921
101 Diphenylamine	169	7.280	7.280	(0.915)	35523	0.25000	0.23389

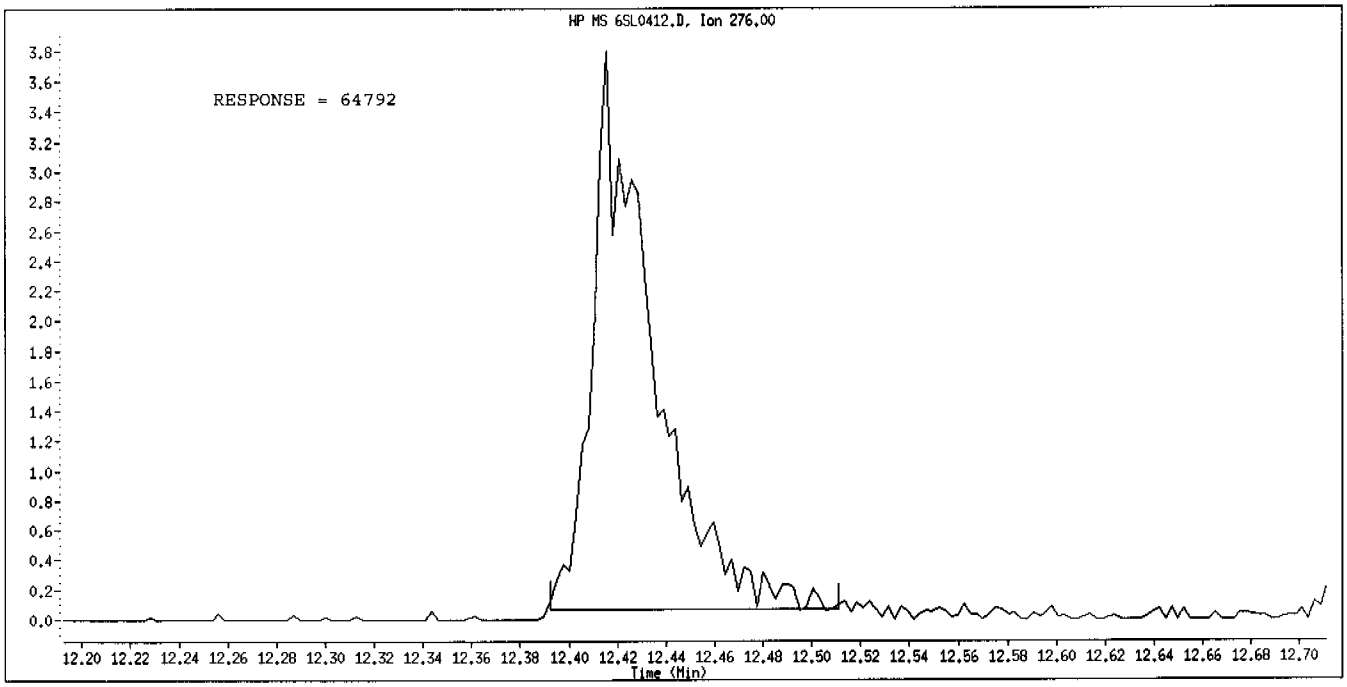
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SL0412.D
Inj. Date and Time: 12-APR-2004 10:05
Instrument ID: a4hp6.i
Client ID:
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/12/2004



Original Integration



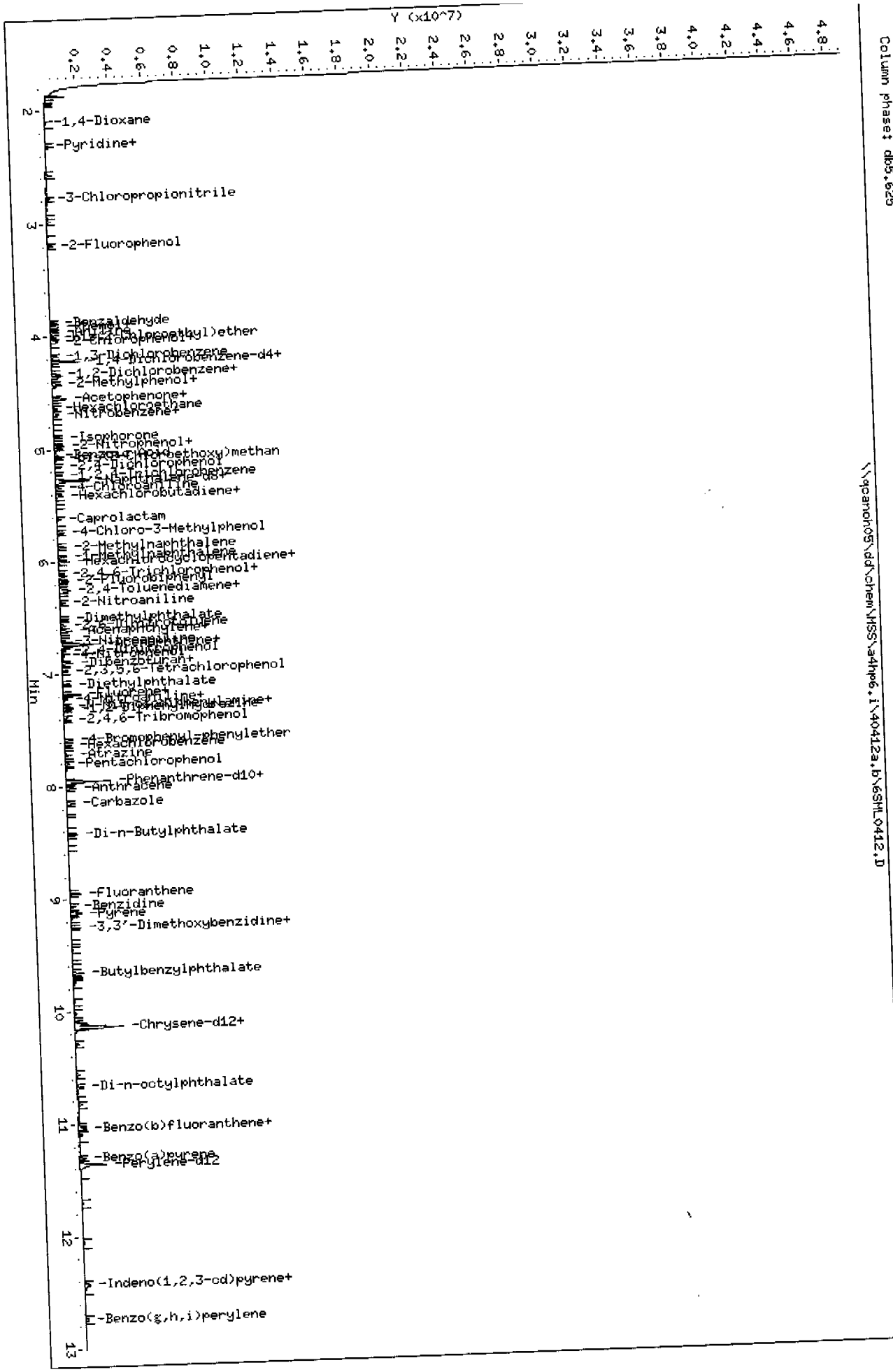
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40412a.b\6SHL0412.D
Date : 12-APR-2004 09:44
Client ID:
Sample Info: 13,40412a,b,8270p,3-827042,sub,1,,3
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32

\\qcanoh05\dd\chem\HSS\a4hp6.i\40412a.b\6SHL0412.D



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SML0412.D
Lab Smp Id: 13
Inj Date : 12-APR-2004 09:44 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 13,40412a.b,8270p,3-827042.sub,1,,3
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:16 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:09 Cal File: 6AM0412.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.219	4.219	(1.000)	149448	2.00000	
* 2 Naphthalene-d8	136	5.276	5.276	(1.000)	587647	2.00000	
* 3 Acenaphthene-d10	164	6.731	6.731	(1.000)	336835	2.00000	(H)
* 4 Phenanthrene-d10	188	7.953	7.953	(1.000)	622353	2.00000	
* 5 Chrysene-d12	240	10.139	10.139	(1.000)	615124	2.00000	
* 6 Perylene-d12	264	11.355	11.355	(1.000)	417776	2.00000	
198 1,4-Dioxane	88	2.108	2.108	(0.500)	32373	0.50000	0.52115
9 Pyridine	79	2.324	2.324	(0.551)	60078	0.50000	0.36005
10 N-Nitrosodimethylamine	74	2.303	2.303	(0.546)	61277	0.50000	0.48370
12 3-Chloropropionitrile	54	2.779	2.779	(0.659)	32743	0.50000	0.49002
209 Benzaldehyde	77	3.874	3.874	(0.918)	67904	0.50000	0.52616
21 Aniline	93	3.957	3.957	(0.938)	113052	0.50000	0.47184
22 Phenol	94	3.918	3.918	(0.929)	95511	0.50000	0.48369
23 bis(2-Chloroethyl)ether	93	4.006	4.006	(0.949)	67990	0.50000	0.47311
24 2-Chlorophenol	128	4.047	4.047	(0.959)	51038	0.50000	0.49044
26 1,3-Dichlorobenzene	146	4.175	4.175	(0.990)	46615	0.50000	0.48829
27 1,4-Dichlorobenzene	146	4.232	4.232	(1.003)	43251	0.50000	0.49756
28 1,2-Dichlorobenzene	146	4.360	4.360	(1.034)	45972	0.50000	0.49845
29 Benzyl Alcohol	108	4.332	4.332	(1.027)	44637	0.50000	0.48728
30 2-Methylphenol	108	4.417	4.417	(1.047)	63192	0.50000	0.48379
31 bis(2-Chloroisopropyl)ether	45	4.443	4.443	(1.053)	58848	0.50000	0.48692
37 Acetophenone	105	4.553	4.553	(1.079)	88633	0.50000	0.49456
32 N-Nitroso-di-n-propylamine	70	4.556	4.556	(1.080)	74000	0.50000	0.48467
192 4-Methylphenol	108	4.543	4.543	(1.077)	62305	0.50000	0.48404
34 Hexachloroethane	117	4.636	4.636	(1.099)	22106	0.50000	0.47536
35 Nitrobenzene	77	4.697	4.697	(0.890)	100743	0.50000	0.47657
41 Isophorone	82	4.893	4.893	(0.927)	158702	0.50000	0.46644
42 2-Nitrophenol	139	4.962	4.962	(0.941)	25665	0.50000	0.46680
43 2,4-Dimethylphenol	107	4.990	4.990	(0.946)	68511	0.50000	0.46116
44 bis(2-Chloroethoxy)methane	93	5.073	5.073	(0.962)	86458	0.50000	0.48262
46 2,4-Toluenediamene	121	6.245	6.245	(1.184)	16389	0.50000	0.55433
47 1,3,5-Trichlorobenzene	180	4.965	4.965	(0.941)	43159	0.50000	0.51195
48 2,4-Dichlorophenol	162	5.152	5.152	(0.977)	40681	0.50000	0.49015

Data File: \\qcanoh05\dd\chem\MSS\a4np6.i\40412a.D\05HL0412.D
Report Date: 12-Apr-2004 15:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.050	5.050	(0.957)	47837	1.00000	0.78777(M)
50 1,2,4-Trichlorobenzene	180	5.227	5.227	(0.991)	41442	0.50000	0.49050
51 Naphthalene	128	5.291	5.291	(1.003)	146816	0.50000	0.49400
52 4-Chloroaniline	127	5.340	5.340	(1.012)	56332	0.50000	0.46221
56 Hexachlorobutadiene	225	5.394	5.394	(1.022)	25480	0.50000	0.50252
210 Caprolactam	113	5.615	5.615	(1.064)	18321	0.50000	0.46552
57 1,2,3-Trichlorobenzene	180	5.412	5.412	(1.026)	39588	0.50000	0.49445
59 4-Chloro-3-Methylphenol	107	5.739	5.739	(1.088)	58680	0.50000	0.47188
62 2-Methylnaphthalene	142	5.867	5.867	(1.112)	91149	0.50000	0.48757
63 1-Methylnaphthalene	142	5.950	5.950	(1.128)	86517	0.50000	0.47564
64 Hexachlorocyclopentadiene	237	5.999	5.999	(0.957)	28229	0.50000	0.47300
66 2,4,6-Trichlorophenol	196	6.101	6.101	(0.973)	29197	0.50000	0.45121
67 2,4,5-Trichlorophenol	196	6.130	6.130	(0.977)	31271	0.50000	0.46291
211 1,1'-Biphenyl	154	6.253	6.253	(0.997)	118415	0.50000	0.48916
68 1,2,3,5-Tetrachlorobenzene	216	5.996	5.996	(0.956)	41740	0.50000	0.49180
70 2-Chloronaphthalene	162	6.269	6.269	(1.000)	83229	0.50000	0.47510
73 2-Nitroaniline	65	6.361	6.361	(1.014)	47281	0.50000	0.43000
74 1,2,3,4-Tetrachlorobenzene	216	6.240	6.240	(0.995)	37836	0.50000	0.46566
76 Dimethylphthalate	163	6.508	6.508	(1.038)	99537	0.50000	0.47777
78 2,6-Dinitrotoluene	165	6.562	6.562	(1.046)	19245	0.50000	0.42778
79 Acenaphthylene	152	6.613	6.613	(1.055)	152130	0.50000	0.49446
80 1,2-Dinitrobenzene	168	6.605	6.605	(1.053)	11107	0.50000	0.45382(Q)
81 3-Nitroaniline	138	6.701	6.701	(1.068)	22587	0.50000	0.44454
82 Acenaphthene	153	6.757	6.757	(1.077)	96194	0.50000	0.48004
83 2,4-Dinitrophenol	184	6.788	6.788	(1.082)	21917	1.00000	0.62090
85 4-Nitrophenol	109	6.832	6.832	(1.089)	14583	0.50000	0.30538(Q)
86 Dibenzofuran	168	6.899	6.899	(1.100)	130031	0.50000	0.47753
87 2,4-Dinitrotoluene	165	6.891	6.891	(1.099)	29441	0.50000	0.46170
91 2,3,5,6-Tetrachlorophenol	232	6.965	6.965	(1.111)	26459	0.50000	0.45126
93 Diethylphthalate	149	7.086	7.086	(1.130)	102580	0.50000	0.46106
94 Fluorene	166	7.181	7.181	(1.145)	103054	0.50000	0.48325
95 4-Chlorophenyl-phenylether	204	7.179	7.179	(1.145)	53770	0.50000	0.49917
96 4-Nitroaniline	138	7.202	7.202	(1.148)	23014	0.50000	0.42928
98 4,6-Dinitro-2-methylphenol	198	7.223	7.223	(0.908)	15534	0.50000	0.34679
99 N-Nitrosodiphenylamine	169	7.279	7.279	(0.915)	75230	0.50000	0.47235
100 1,2-Diphenylhydrazine	77	7.310	7.310	(0.919)	199828	0.50000	0.47336
106 4-Bromophenyl-phenylether	248	7.583	7.583	(0.953)	29098	0.50000	0.49510
107 Hexachlorobenzene	284	7.634	7.634	(0.960)	27695	0.50000	0.49555
212 Atrazine	200	7.716	7.716	(0.970)	28560	0.50000	0.49994
111 Pentachlorophenol	266	7.799	7.799	(0.981)	16775	0.50000	0.39491
115 Phenanthrene	178	7.971	7.971	(1.002)	153579	0.50000	0.47995
116 Anthracene	178	8.012	8.012	(1.007)	143165	0.50000	0.46760
119 Carbazole	167	8.148	8.148	(1.025)	135840	0.50000	0.46830
120 Di-n-Butylphthalate	149	8.426	8.426	(1.059)	172235	0.50000	0.46437
123 Fluoranthene	202	8.945	8.945	(1.125)	175327	0.50000	0.47641
124 Benzidine	184	9.059	9.059	(0.893)	72592	0.50000	0.39178
125 Pyrene	202	9.131	9.131	(0.901)	187264	0.50000	0.48232
131 Butylbenzylphthalate	149	9.655	9.655	(0.952)	72298	0.50000	0.44259
133 3,3'-Dimethoxybenzidine	244	9.254	9.254	(0.913)	111809	0.50000	0.48763
135 3,3'-Dichlorobenzidine	252	10.108	10.108	(0.997)	62793	0.50000	0.49932
136 Benzo(a)Anthracene	228	10.128	10.128	(0.999)	176782	0.50000	0.49283
137 Chrysene	228	10.159	10.159	(1.002)	158349	0.50000	0.46496
138 4,4'-Methylene bis(o-chloroan	231	10.110	10.110	(0.997)	29268	0.50000	0.45431
139 bis(2-ethylhexyl)Phthalate	149	10.131	10.131	(0.999)	111841	0.50000	0.46609

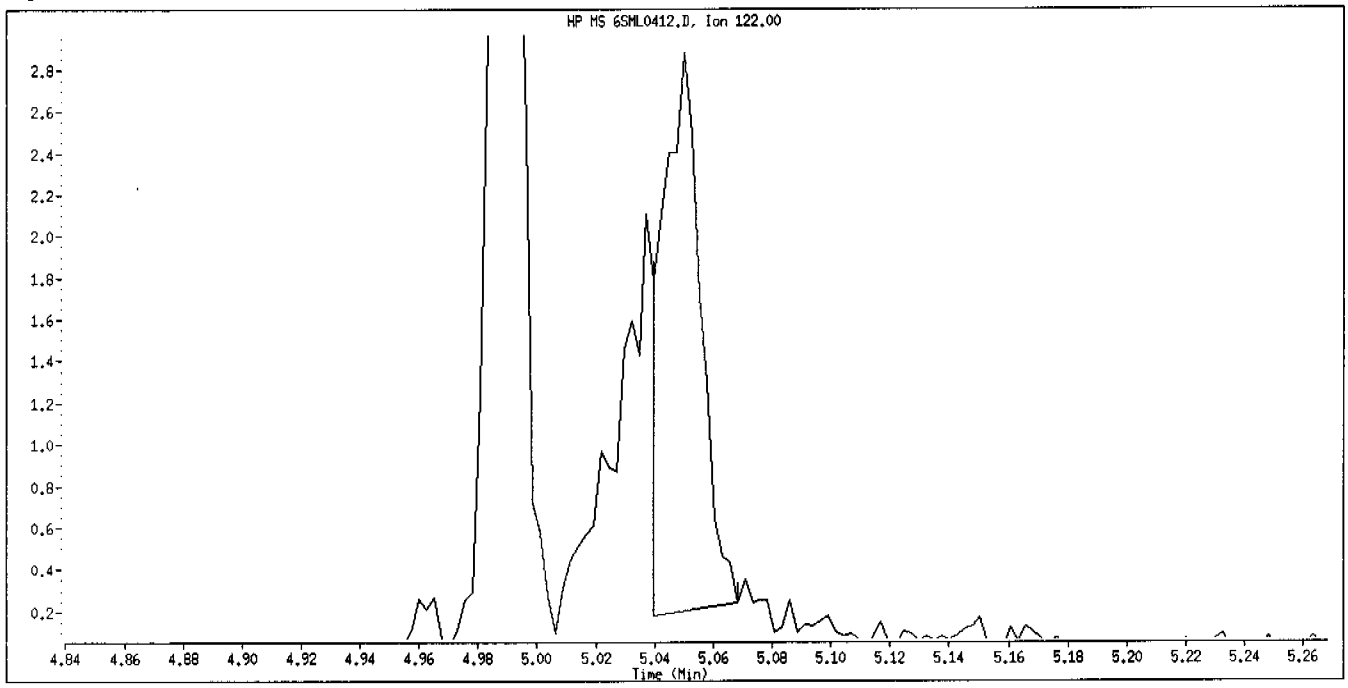
Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.D\65MB0412.D
Report Date: 12-Apr-2004 15:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.668	10.668	(0.940)	149094	0.50000	0.41806
141 Benzo(b)fluoranthene	252	11.015	11.015	(0.970)	146902	0.50000	0.45937
142 Benzo(k)fluoranthene	252	11.039	11.039	(0.972)	154965	0.50000	0.48947
146 Benzo(a)pyrene	252	11.301	11.301	(0.995)	136060	0.50000	0.47739
149 Indeno(1,2,3-cd)pyrene	276	12.417	12.417	(1.094)	140657	0.50000	0.44782
150 Dibenz(a,h)anthracene	278	12.437	12.437	(1.095)	113715	0.50000	0.43104
151 Benzo(g,h,i)perylene	276	12.736	12.736	(1.122)	118579	0.50000	0.45040
$ 154 Nitrobenzene-d5	82	4.682	4.682	(0.887)	94028	0.50000	0.47704
$ 155 2-Fluorobiphenyl	172	6.171	6.171	(0.984)	108269	0.50000	0.48281
$ 156 Terphenyl-d14	244	9.254	9.254	(0.913)	111809	0.50000	0.47806
$ 157 Phenol-d5	99	3.908	3.908	(0.926)	84586	0.50000	0.48778
$ 158 2-Fluorophenol	112	3.190	3.190	(0.756)	53300	0.50000	0.48560
$ 159 2,4,6-Tribromophenol	330	7.382	7.382	(1.177)	10995	0.50000	0.42444
$ 186 2-Chlorophenol-d4	132	4.036	4.036	(0.957)	46893	0.50000	0.46612
$ 187 1,2-Dichlorobenzene-d4	152	4.348	4.348	(1.030)	30095	0.50000	0.49722
101 Diphenylamine	169	7.279	7.279	(0.915)	75230	0.50000	0.47235

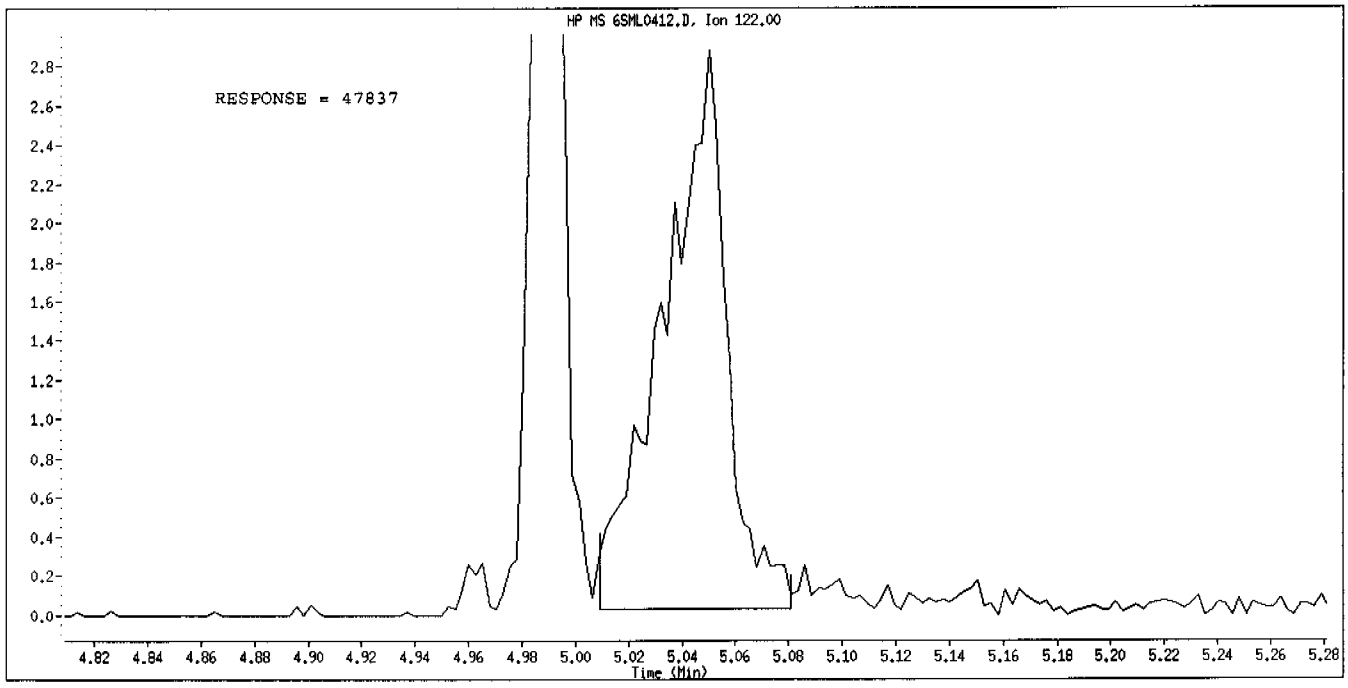
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SML0412.D
Inj. Date and Time: 12-APR-2004 09:44
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

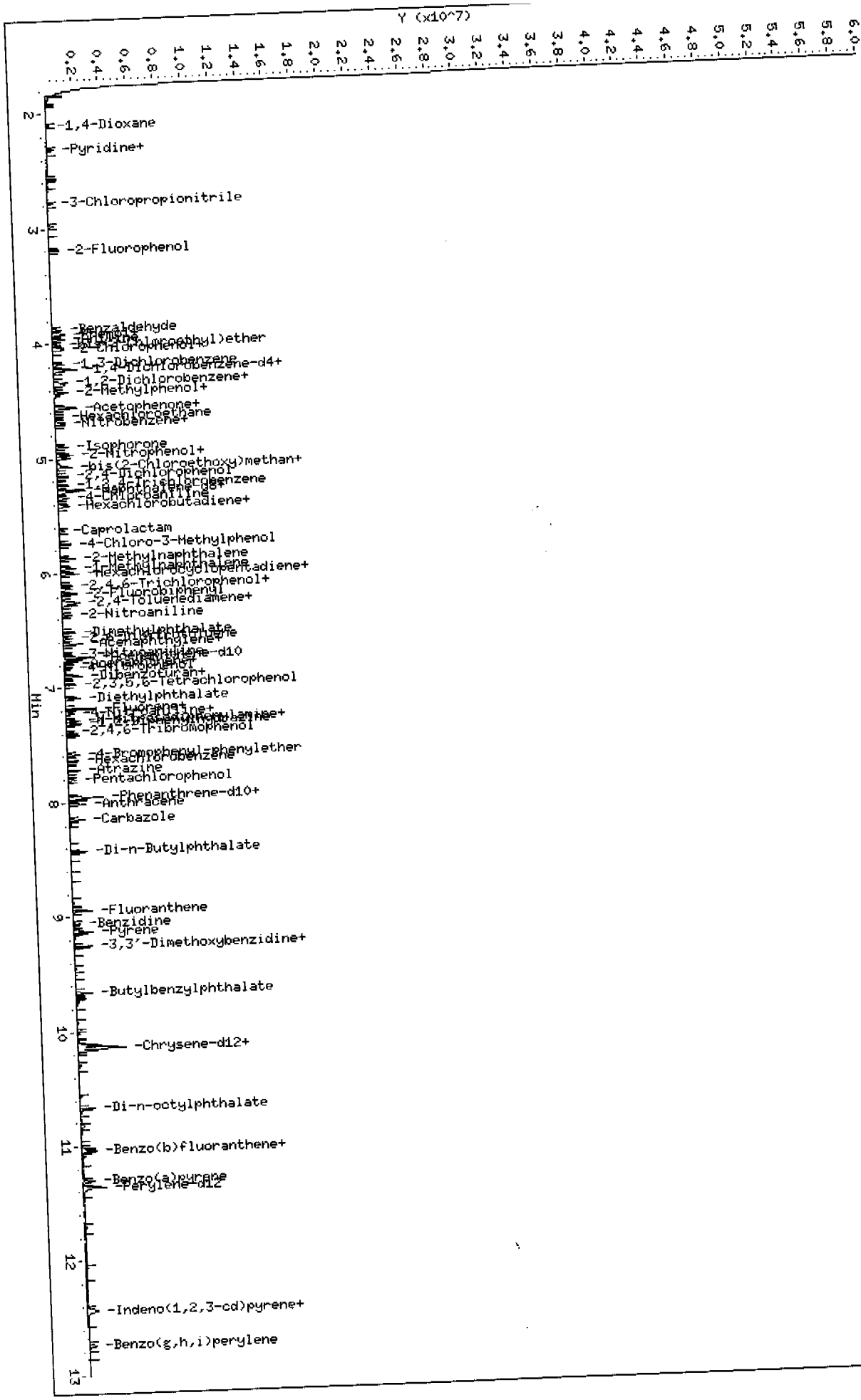
Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SM0412.D
Date : 12-APR-2004 09:24
Client ID:
Sample Info: 14,40412a,b,8270w,3-827042,sub,1,,4

Column phase: db5.625

\\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SM0412.D

Instrument: a4hp6.i

Operator: 001710
Column diameter: 0.32



Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SM0412.D
Report Date: 12-Apr-2004 15:16

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SM0412.D
Lab Smp Id: 14
Inj Date : 12-APR-2004 09:24 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 14,40412a.b,8270p,3-827042.sub,1,,4
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:16 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 13:49 Cal File: 6AMM0412.D
Calibration Sample, Level: 4
Als bottle: 3
Dil Factor: 1.00000 Compound Sublist: 3-827042.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.222	4.222	(1.000)	141607	2.00000	
* 2 Naphthalene-d8	136	5.276	5.276	(1.000)	565918	2.00000	
* 3 Acenaphthene-d10	164	6.732	6.732	(1.000)	326594	2.00000	(H)
* 4 Phenanthrene-d10	188	7.953	7.953	(1.000)	601405	2.00000	
* 5 Chrysene-d12	240	10.139	10.139	(1.000)	591078	2.00000	
* 6 Perylene-d12	264	11.355	11.355	(1.000)	414881	2.00000	
198 1,4-Dioxane	88	2.098	2.098	(0.497)	61481	1.00000	1.0445
9 Pyridine	79	2.309	2.309	(0.547)	154953	1.00000	0.98005
10 N-Nitrosodimethylamine	74	2.299	2.299	(0.544)	126892	1.00000	1.0571
12 3-Chloropropionitrile	54	2.777	2.777	(0.658)	65929	1.00000	1.0413
209 Benzaldehyde	77	3.878	3.878	(0.918)	138400	1.00000	1.1318
21 Aniline	93	3.960	3.960	(0.938)	236191	1.00000	1.0404
22 Phenol	94	3.921	3.921	(0.929)	197960	1.00000	1.0580
23 bis(2-Chloroethyl)ether	93	4.009	4.009	(0.949)	137167	1.00000	1.0073
24 2-Chlorophenol	128	4.050	4.050	(0.959)	104766	1.00000	1.0625
26 1,3-Dichlorobenzene	146	4.176	4.176	(0.989)	96301	1.00000	1.0646
27 1,4-Dichlorobenzene	146	4.235	4.235	(1.003)	84953	1.00000	1.0314
28 1,2-Dichlorobenzene	146	4.361	4.361	(1.033)	92808	1.00000	1.0620
29 Benzyl Alcohol	108	4.333	4.333	(1.026)	91092	1.00000	1.0495
30 2-Methylphenol	108	4.420	4.420	(1.047)	128570	1.00000	1.0388
31 bis(2-Chloroisopropyl)ether	45	4.446	4.446	(1.053)	120581	1.00000	1.0530
37 Acetophenone	105	4.554	4.554	(1.079)	182134	1.00000	1.0726
32 N-Nitroso-di-n-propylamine	70	4.559	4.559	(1.080)	148923	1.00000	1.0294
192 4-Methylphenol	108	4.546	4.546	(1.077)	133586	1.00000	1.0953
34 Hexachloroethane	117	4.636	4.636	(1.098)	48043	1.00000	1.0903
35 Nitrobenzene	77	4.698	4.698	(0.890)	203869	1.00000	1.0014
41 Isophorone	82	4.893	4.893	(0.927)	331407	1.00000	1.0114
42 2-Nitrophenol	139	4.963	4.963	(0.941)	56366	1.00000	1.0645
43 2,4-Dimethylphenol	107	4.991	4.991	(0.946)	144695	1.00000	1.0114
44 bis(2-Chloroethoxy)methane	93	5.073	5.073	(0.962)	176174	1.00000	1.0212
46 2,4-Toluenediamene	121	6.248	6.248	(1.184)	15100	1.00000	0.53034
47 1,3,5-Trichlorobenzene	180	4.968	4.968	(0.942)	81316	1.00000	1.0016
48 2,4-Dichlorophenol	162	5.153	5.153	(0.977)	83700	1.00000	1.0472

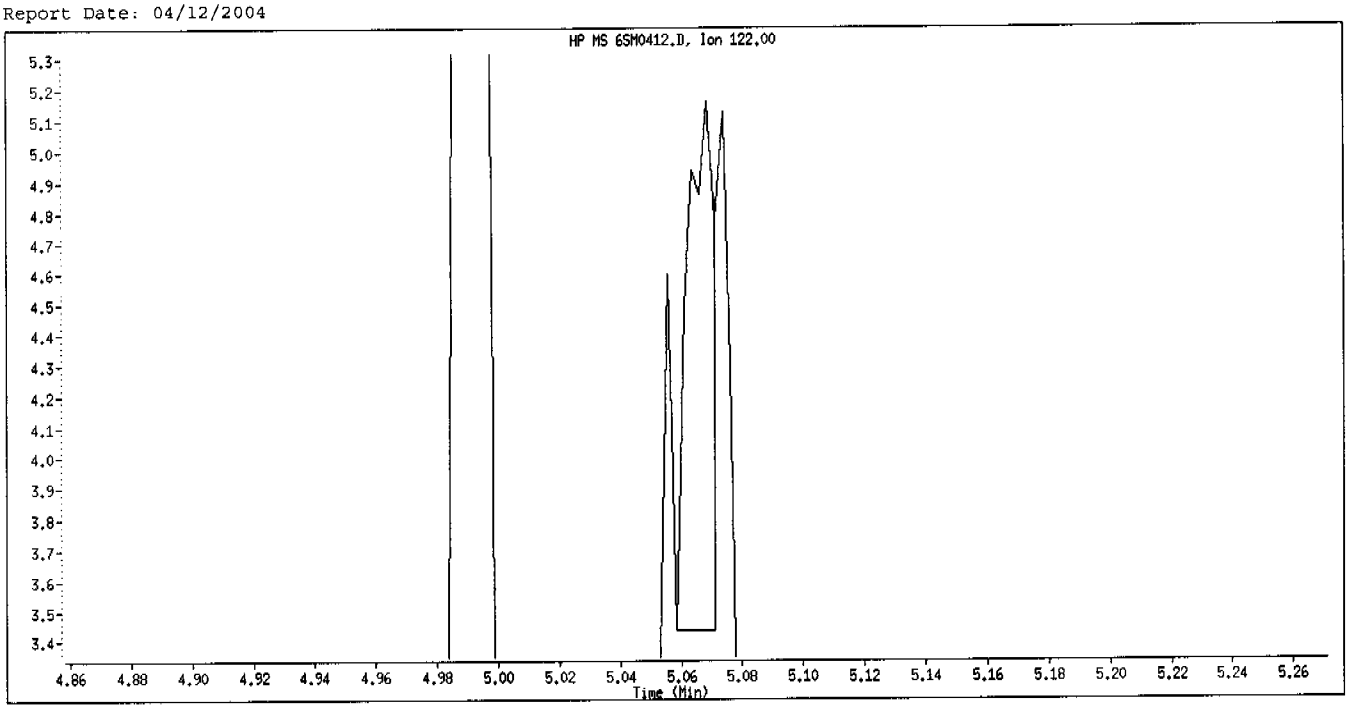
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.068	5.068	(0.961)	113798	2.00000	1.9459(M)
50 1,2,4-Trichlorobenzene	180	5.228	5.228	(0.991)	85035	1.00000	1.0451
51 Naphthalene	128	5.294	5.294	(1.003)	291246	1.00000	1.0176
52 4-Chloroaniline	127	5.341	5.341	(1.012)	127104	1.00000	1.0829
56 Hexachlorobutadiene	225	5.395	5.395	(1.022)	47753	1.00000	0.97795
210 Caprolactam	113	5.624	5.624	(1.066)	38860	1.00000	1.0253
57 1,2,3-Trichlorobenzene	180	5.413	5.413	(1.026)	78412	1.00000	1.0170
59 4-Chloro-3-Methylphenol	107	5.739	5.739	(1.088)	121272	1.00000	1.0126
62 2-Methylnaphthalene	142	5.868	5.868	(1.112)	185739	1.00000	1.0317
63 1-Methylnaphthalene	142	5.950	5.950	(1.128)	179705	1.00000	1.0259
64 Hexachlorocyclopentadiene	237	5.999	5.999	(0.957)	57115	1.00000	0.98701
66 2,4,6-Trichlorophenol	196	6.102	6.102	(0.973)	65122	1.00000	1.0380
67 2,4,5-Trichlorophenol	196	6.130	6.130	(0.977)	67652	1.00000	1.0329
211 1,1'-Biphenyl	154	6.256	6.256	(0.998)	237608	1.00000	1.0123
68 1,2,3,5-Tetrachlorobenzene	216	5.996	5.996	(0.956)	85113	1.00000	1.0343
70 2-Chloronaphthalene	162	6.272	6.272	(1.000)	172955	1.00000	1.0182
73 2-Nitroaniline	65	6.362	6.362	(1.014)	108440	1.00000	1.0171
74 1,2,3,4-Tetrachlorobenzene	216	6.243	6.243	(0.995)	82603	1.00000	1.0485
76 Dimethylphthalate	163	6.511	6.511	(1.038)	204381	1.00000	1.0118
78 2,6-Dinitrotoluene	165	6.562	6.562	(1.046)	43679	1.00000	1.0013
79 Acenaphthylene	152	6.614	6.614	(1.055)	303134	1.00000	1.0162
80 1,2-Dinitrobenzene	168	6.611	6.611	(1.054)	24609	1.00000	1.0370(Q)
81 3-Nitroaniline	138	6.701	6.701	(1.068)	46502	1.00000	0.94393
82 Acenaphthene	153	6.760	6.760	(1.078)	198103	1.00000	1.0196
83 2,4-Dinitrophenol	184	6.786	6.786	(1.082)	54260	2.00000	1.5854
85 4-Nitrophenol	109	6.835	6.835	(1.090)	45038	1.00000	0.97269
86 Dibenzofuran	168	6.902	6.902	(1.100)	270761	1.00000	1.0255
87 2,4-Dinitrotoluene	165	6.894	6.894	(1.099)	62816	1.00000	1.0160
91 2,3,5,6-Tetrachlorophenol	232	6.966	6.966	(1.111)	56450	1.00000	0.99294
93 Diethylphthalate	149	7.089	7.089	(1.130)	224358	1.00000	1.0400
94 Fluorene	166	7.182	7.182	(1.145)	212733	1.00000	1.0288
95 4-Chlorophenyl-phenylether	204	7.182	7.182	(1.145)	109538	1.00000	1.0488
96 4-Nitroaniline	138	7.205	7.205	(1.149)	48900	1.00000	0.94074
98 4,6-Dinitro-2-methylphenol	198	7.228	7.228	(0.909)	40747	1.00000	0.94134
99 N-Nitrosodiphenylamine	169	7.280	7.280	(0.915)	156315	1.00000	1.0156
100 1,2-Diphenylhydrazine	77	7.310	7.310	(0.919)	414277	1.00000	1.0155
106 4-Bromophenyl-phenylether	248	7.583	7.583	(0.953)	58427	1.00000	1.0288
107 Hexachlorobenzene	284	7.634	7.634	(0.960)	56491	1.00000	1.0460
212 Atrazine	200	7.719	7.719	(0.971)	58500	1.00000	1.0597
111 Pentachlorophenol	266	7.799	7.799	(0.981)	37810	1.00000	0.92112
115 Phenanthrene	178	7.974	7.974	(1.003)	311858	1.00000	1.0085
116 Anthracene	178	8.015	8.015	(1.008)	309615	1.00000	1.0465
119 Carbazole	167	8.149	8.149	(1.025)	287301	1.00000	1.0249
120 Di-n-Butylphthalate	149	8.426	8.426	(1.059)	362992	1.00000	1.0128
123 Fluoranthene	202	8.946	8.946	(1.125)	369647	1.00000	1.0394
124 Benzidine	184	9.059	9.059	(0.893)	136743	1.00000	0.76803
125 Pyrene	202	9.131	9.131	(0.901)	378198	1.00000	1.0137
131 Butylbenzylphthalate	149	9.658	9.658	(0.953)	156245	1.00000	0.99541
133 3,3'-Dimethoxybenzidine	244	9.254	9.254	(0.913)	225292	1.00000	1.0225
135 3,3'-Dichlorobenzidine	252	10.108	10.108	(0.997)	121746	1.00000	1.0075
136 Benzo(a)Anthracene	228	10.129	10.129	(0.999)	352785	1.00000	1.0235
137 Chrysene	228	10.160	10.160	(1.002)	340007	1.00000	1.0390
138 4,4'-Methylene bis(o-chloroan	231	10.111	10.111	(0.997)	60657	1.00000	0.97985
139 bis(2-ethylhexyl)Phthalate	149	10.131	10.131	(0.999)	232038	1.00000	1.0063

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.669	10.669	(0.940)	353221	1.00000	0.99734
141 Benzo(b)fluoranthene	252	11.016	11.016	(0.970)	311562	1.00000	0.98106
142 Benzo(k)fluoranthene	252	11.039	11.039	(0.972)	332908	1.00000	1.0588
146 Benzo(a)pyrene	252	11.301	11.301	(0.995)	288288	1.00000	1.0186
149 Indeno(1,2,3-cd)pyrene	276	12.425	12.425	(1.094)	302529	1.00000	0.96990
150 Dibenz(a,h)anthracene	278	12.438	12.438	(1.095)	254526	1.00000	0.97152
151 Benzo(g,h,i)perylene	276	12.739	12.739	(1.122)	261226	1.00000	0.99914
$ 154 Nitrobenzene-d5	82	4.682	4.682	(0.887)	194763	1.00000	1.0260
$ 155 2-Fluorobiphenyl	172	6.174	6.174	(0.984)	219135	1.00000	1.0078
$ 156 Terphenyl-d14	244	9.254	9.254	(0.913)	225292	1.00000	1.0025
$ 157 Phenol-d5	99	3.911	3.911	(0.926)	172120	1.00000	1.0475
$ 158 2-Fluorophenol	112	3.188	3.188	(0.755)	105064	1.00000	1.0102
$ 159 2,4,6-Tribromophenol	330	7.382	7.382	(1.177)	25048	1.00000	0.99726
$ 186 2-Chlorophenol-d4	132	4.037	4.037	(0.956)	103592	1.00000	1.0867
$ 187 1,2-Dichlorobenzene-d4	152	4.348	4.348	(1.030)	61562	1.00000	1.0734
101 Diphenylamine	169	7.280	7.280	(0.915)	156315	1.00000	1.0156

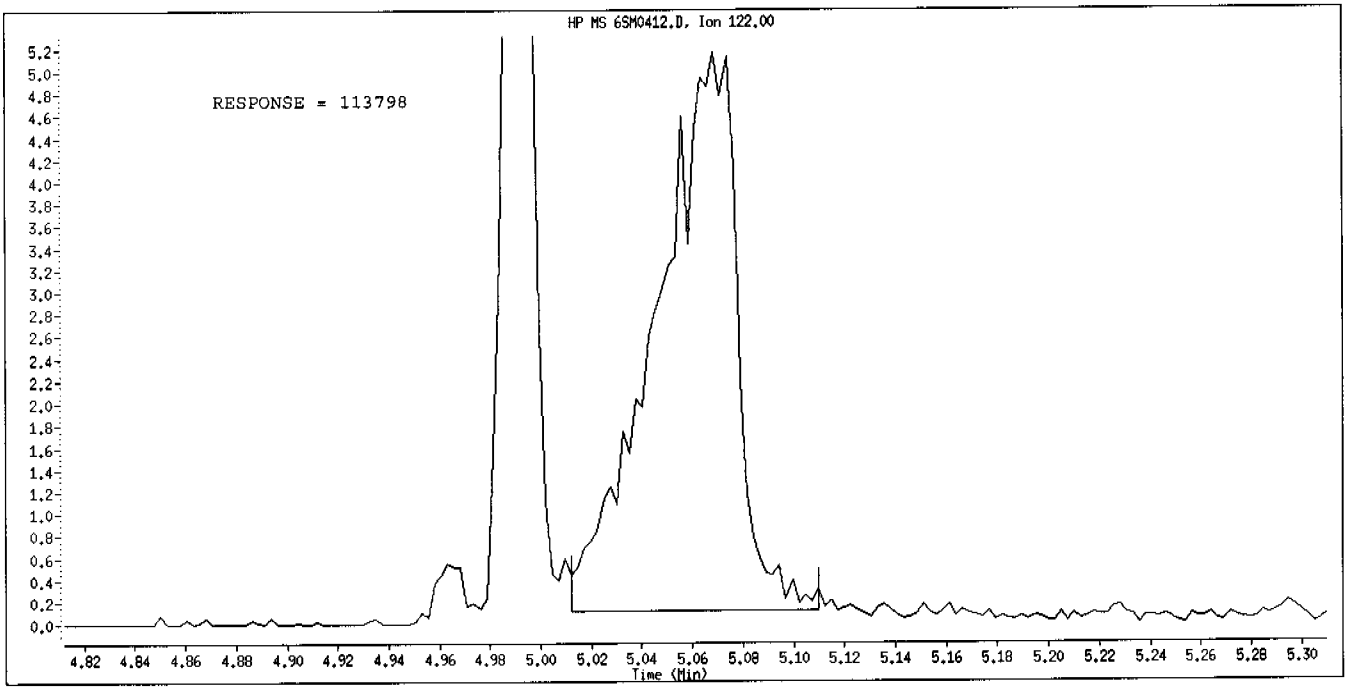
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SM0412.D
Inj. Date and Time: 12-APR-2004 09:24
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

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Date : 12-APR-2004 09:04
Client ID:
Sample Info: 15,40412a,b,8270p,3-827042,sub,1,,5
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32

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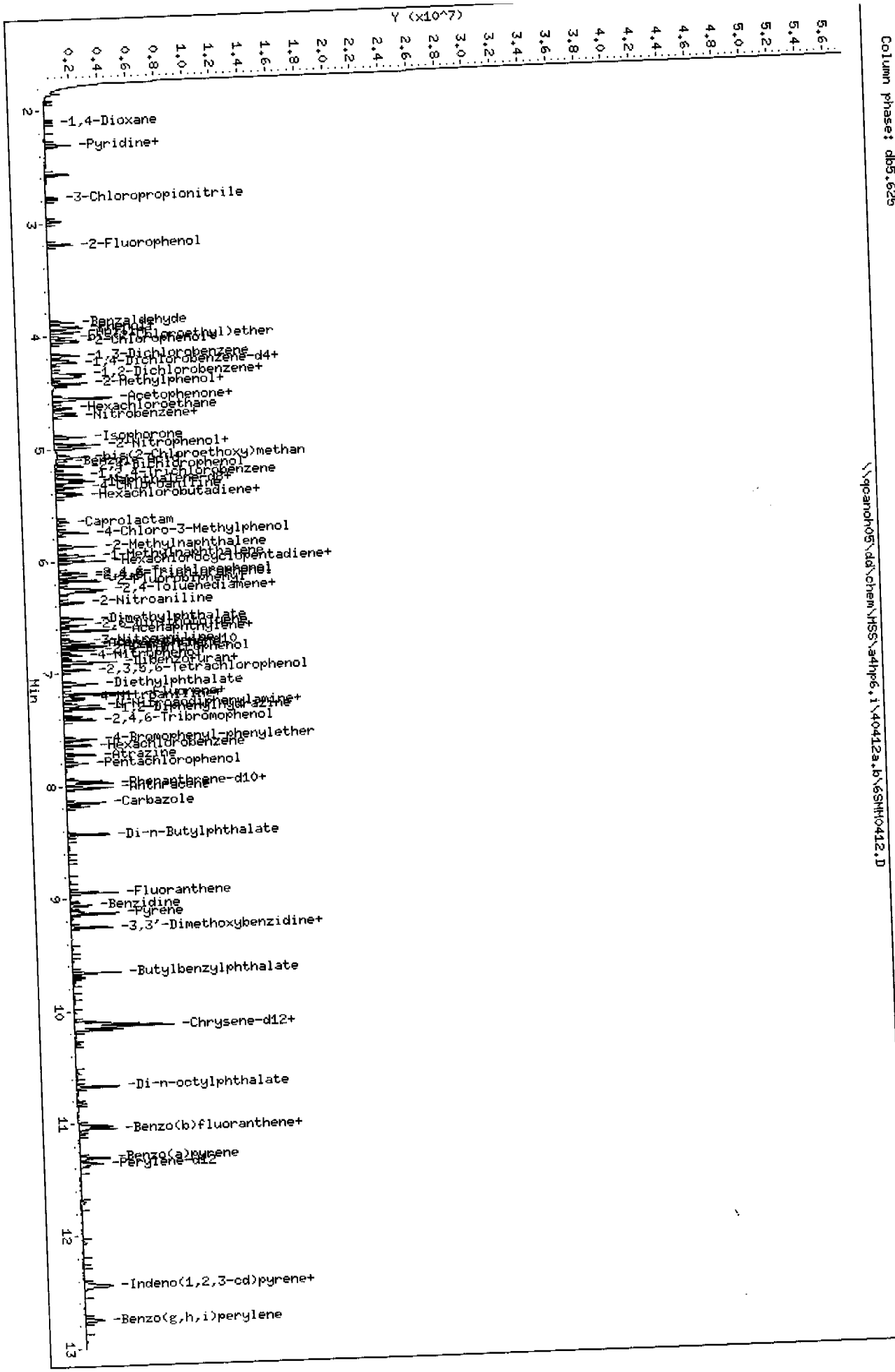

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Lab Smp Id: 15
Inj Date : 12-APR-2004 09:04 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 15,40412a.b,8270p,3-827042.sub,1,,5
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:16 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Calibration Sample, Level: 5
Als bottle: 2
Dil Factor: 1.00000 Compound Sublist: 3-827042.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.222	4.222	(1.000)	150665	2.00000	
* 2 Naphthalene-d8	136	5.277	5.277	(1.000)	600362	2.00000	
* 3 Acenaphthene-d10	164	6.732	6.732	(1.000)	352294	2.00000	(H)
* 4 Phenanthrene-d10	188	7.956	7.956	(1.000)	642648	2.00000	
* 5 Chrysene-d12	240	10.142	10.142	(1.000)	639148	2.00000	
* 6 Perylene-d12	264	11.358	11.358	(1.000)	429047	2.00000	
198 1,4-Dioxane	88	2.098	2.098	(0.497)	156333	2.50000	2.4964
9 Pyridine	79	2.309	2.309	(0.547)	434740	2.50000	2.5843
10 N-Nitrosodimethylamine	74	2.301	2.301	(0.545)	322850	2.50000	2.5279
12 3-Chloropropionitrile	54	2.780	2.780	(0.658)	165814	2.50000	2.4615
209 Benzaldehyde	77	3.878	3.878	(0.918)	352288	2.50000	2.7077
21 Aniline	93	3.963	3.963	(0.938)	618054	2.50000	2.5587
22 Phenol	94	3.927	3.927	(0.930)	503787	2.50000	2.5307
23 bis(2-Chloroethyl)ether	93	4.009	4.009	(0.949)	364118	2.50000	2.5133
24 2-Chlorophenol	128	4.050	4.050	(0.959)	265458	2.50000	2.5303
26 1,3-Dichlorobenzene	146	4.176	4.176	(0.989)	251657	2.50000	2.6148
27 1,4-Dichlorobenzene	146	4.235	4.235	(1.003)	225211	2.50000	2.5699
28 1,2-Dichlorobenzene	146	4.361	4.361	(1.033)	235097	2.50000	2.5284
29 Benzyl Alcohol	108	4.338	4.338	(1.027)	241659	2.50000	2.6168
30 2-Methylphenol	108	4.423	4.423	(1.047)	327023	2.50000	2.4834
31 bis(2-Chloroisopropyl)ether	45	4.449	4.449	(1.054)	302465	2.50000	2.4825
37 Acetophenone	105	4.557	4.557	(1.079)	462168	2.50000	2.5580
32 N-Nitroso-di-n-propylamine	70	4.562	4.562	(1.080)	395682	2.50000	2.5706
192 4-Methylphenol	108	4.551	4.551	(1.078)	345081	2.50000	2.6592
34 Hexachloroethane	117	4.639	4.639	(1.099)	118610	2.50000	2.5300
35 Nitrobenzene	77	4.703	4.703	(0.891)	537249	2.50000	2.4876
41 Isophorone	82	4.896	4.896	(0.928)	864491	2.50000	2.4870
42 2-Nitrophenol	139	4.963	4.963	(0.941)	149910	2.50000	2.6688
43 2,4-Dimethylphenol	107	4.994	4.994	(0.946)	378724	2.50000	2.4952
44 bis(2-Chloroethoxy)methane	93	5.076	5.076	(0.962)	454903	2.50000	2.4855
46 2,4-Toluenediamene	121	6.249	6.249	(1.184)	53165	2.50000	1.7601
47 1,3,5-Trichlorobenzene	180	4.968	4.968	(0.942)	220783	2.50000	2.5635
48 2,4-Dichlorophenol	162	5.156	5.156	(0.977)	214091	2.50000	2.5248

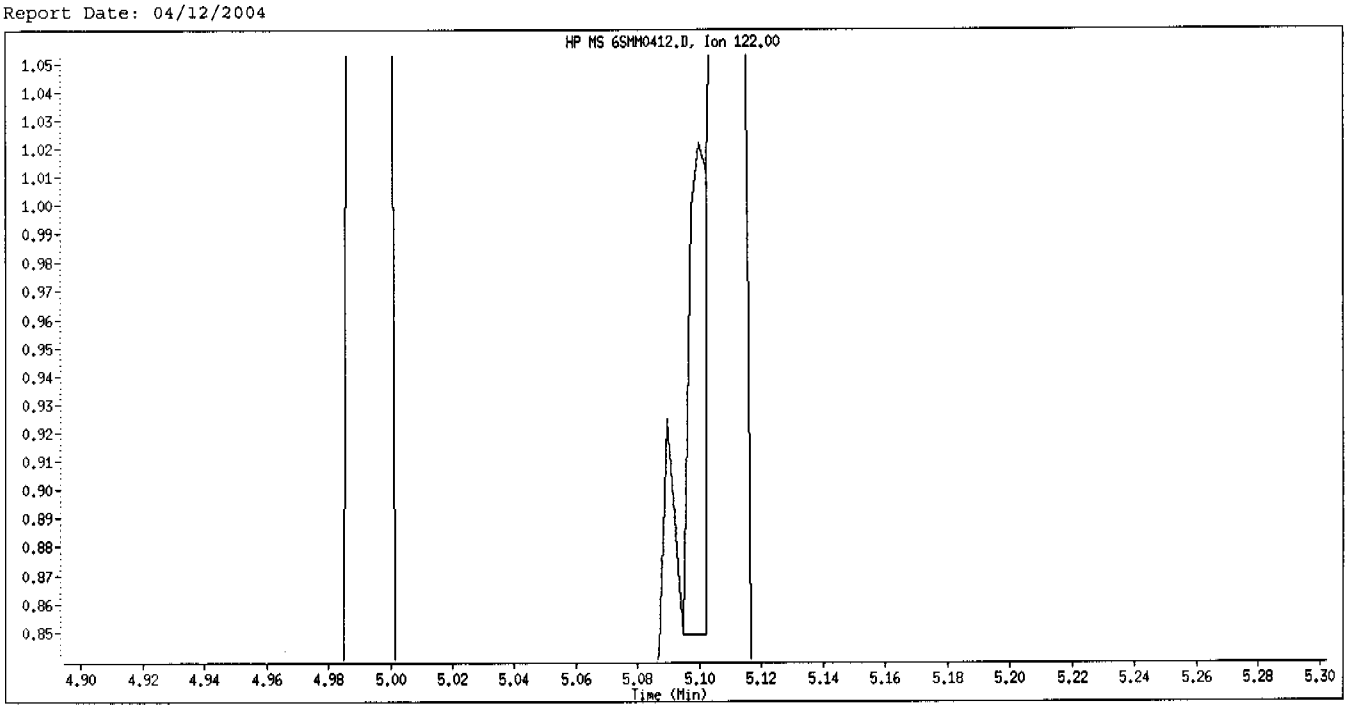
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.112	5.112	(0.969)	357105	5.00000	5.7562(QM)
50 1,2,4-Trichlorobenzene	180	5.228	5.228	(0.991)	214808	2.50000	2.4886
51 Naphthalene	128	5.295	5.295	(1.003)	759726	2.50000	2.5021
52 4-Chloroaniline	127	5.343	5.343	(1.013)	316053	2.50000	2.5383
56 Hexachlorobutadiene	225	5.397	5.397	(1.023)	131811	2.50000	2.5445
210 Caprolactam	113	5.649	5.649	(1.071)	103968	2.50000	2.5858
57 1,2,3-Trichlorobenzene	180	5.415	5.415	(1.026)	204904	2.50000	2.5050
59 4-Chloro-3-Methylphenol	107	5.745	5.745	(1.089)	332042	2.50000	2.6136
62 2-Methylnaphthalene	142	5.868	5.868	(1.112)	474203	2.50000	2.4829
63 1-Methylnaphthalene	142	5.953	5.953	(1.128)	464168	2.50000	2.4978
64 Hexachlorocyclopentadiene	237	5.999	5.999	(0.956)	159893	2.50000	2.5616
66 2,4,6-Trichlorophenol	196	6.105	6.105	(0.973)	167070	2.50000	2.4686
67 2,4,5-Trichlorophenol	196	6.133	6.133	(0.977)	176379	2.50000	2.4964
211 1,1'-Biphenyl	154	6.256	6.256	(0.997)	621928	2.50000	2.4564
68 1,2,3,5-Tetrachlorobenzene	216	5.997	5.997	(0.956)	218818	2.50000	2.4651
70 2-Chloronaphthalene	162	6.274	6.274	(1.000)	455181	2.50000	2.4843
73 2-Nitroaniline	65	6.364	6.364	(1.014)	286791	2.50000	2.4938
74 1,2,3,4-Tetrachlorobenzene	216	6.246	6.246	(0.995)	207802	2.50000	2.4452
76 Dimethylphthalate	163	6.513	6.513	(1.038)	545236	2.50000	2.5023
78 2,6-Dinitrotoluene	165	6.565	6.565	(1.046)	120417	2.50000	2.5592
79 Acenaphthylene	152	6.616	6.616	(1.055)	797125	2.50000	2.4772
80 1,2-Dinitrobenzene	168	6.614	6.614	(1.054)	65257	2.50000	2.5493
81 3-Nitroaniline	138	6.706	6.706	(1.069)	137675	2.50000	2.5907
82 Acenaphthene	153	6.760	6.760	(1.077)	510640	2.50000	2.4364
83 2,4-Dinitrophenol	184	6.791	6.791	(1.082)	184825	5.00000	5.0063
85 4-Nitrophenol	109	6.838	6.838	(1.090)	129294	2.50000	2.5887
86 Dibenzofuran	168	6.902	6.902	(1.100)	707157	2.50000	2.4830
87 2,4-Dinitrotoluene	165	6.899	6.899	(1.100)	171812	2.50000	2.5761
91 2,3,5,6-Tetrachlorophenol	232	6.966	6.966	(1.110)	156255	2.50000	2.5480
93 Diethylphthalate	149	7.092	7.092	(1.130)	577493	2.50000	2.4818
94 Fluorene	166	7.185	7.185	(1.145)	541768	2.50000	2.4290
95 4-Chlorophenyl-phenylether	204	7.182	7.182	(1.145)	283457	2.50000	2.5160
96 4-Nitroaniline	138	7.216	7.216	(1.150)	141077	2.50000	2.5161
98 4,6-Dinitro-2-methylphenol	198	7.231	7.231	(0.909)	117901	2.50000	2.5489(Q)
99 N-Nitrosodiphenylamine	169	7.282	7.282	(0.915)	415067	2.50000	2.5238
100 1,2-Diphenylhydrazine	77	7.313	7.313	(0.919)	1102946	2.50000	2.5302
106 4-Bromophenyl-phenylether	248	7.586	7.586	(0.953)	151117	2.50000	2.4900
107 Hexachlorobenzene	284	7.637	7.637	(0.960)	143958	2.50000	2.4945
212 Atrazine	200	7.722	7.722	(0.971)	151277	2.50000	2.5645
111 Pentachlorophenol	266	7.799	7.799	(0.980)	112864	2.50000	2.5731
115 Phenanthrene	178	7.974	7.974	(1.002)	823415	2.50000	2.4920
116 Anthracene	178	8.015	8.015	(1.007)	815922	2.50000	2.5808
119 Carbazole	167	8.149	8.149	(1.024)	757538	2.50000	2.5291
120 Di-n-Butylphthalate	149	8.429	8.429	(1.059)	981724	2.50000	2.5633
123 Fluoranthene	202	8.949	8.949	(1.125)	975326	2.50000	2.5665
124 Benzidine	184	9.062	9.062	(0.894)	390546	2.50000	2.0286
125 Pyrene	202	9.134	9.134	(0.901)	1022139	2.50000	2.5337
131 Butylbenzylphthalate	149	9.658	9.658	(0.952)	439716	2.50000	2.5907
133 3,3'-Dimethoxybenzidine	244	9.257	9.257	(0.913)	602382	2.50000	2.5284(Q)
135 3,3'-Dichlorobenzidine	252	10.111	10.111	(0.997)	326556	2.50000	2.4991
136 Benzo(a)Anthracene	228	10.129	10.129	(0.999)	916760	2.50000	2.4597
137 Chrysene	228	10.162	10.162	(1.002)	861819	2.50000	2.4354
138 4,4'-Methylene bis(o-chloroan	231	10.114	10.114	(0.997)	170873	2.50000	2.5527
139 bis(2-ethylhexyl)Phthalate	149	10.134	10.134	(0.999)	627642	2.50000	2.5173

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.669	10.669	(0.939)	989188	2.50000	2.7008
141 Benzo(b)fluoranthene	252	11.021	11.021	(0.970)	839062	2.50000	2.5548
142 Benzo(k)fluoranthene	252	11.044	11.044	(0.972)	878506	2.50000	2.7019
146 Benzo(a)pyrene	252	11.307	11.307	(0.995)	772581	2.50000	2.6395
149 Indeno(1,2,3-cd)pyrene	276	12.430	12.430	(1.094)	847232	2.50000	2.6265
150 Dibenz(a,h)anthracene	278	12.446	12.446	(1.096)	713250	2.50000	2.6326
151 Benzo(g,h,i)perylene	276	12.747	12.747	(1.122)	702454	2.50000	2.5980
$ 154 Nitrobenzene-d5	82	4.685	4.685	(0.888)	495219	2.50000	2.4592
$ 155 2-Fluorobiphenyl	172	6.174	6.174	(0.984)	580011	2.50000	2.4730
$ 156 Terphenyl-d14	244	9.257	9.257	(0.913)	602382	2.50000	2.4788
$ 157 Phenol-d5	99	3.914	3.914	(0.927)	449101	2.50000	2.5689
$ 158 2-Fluorophenol	112	3.189	3.189	(0.755)	298818	2.50000	2.7005
$ 159 2,4,6-Tribromophenol	330	7.385	7.385	(1.177)	67387	2.50000	2.4872
$ 186 2-Chlorophenol-d4	132	4.037	4.037	(0.956)	257976	2.50000	2.5436
$ 187 1,2-Dichlorobenzene-d4	152	4.351	4.351	(1.030)	156518	2.50000	2.5650
101 Diphenylamine	169	7.282	7.282	(0.915)	415067	2.50000	2.5238

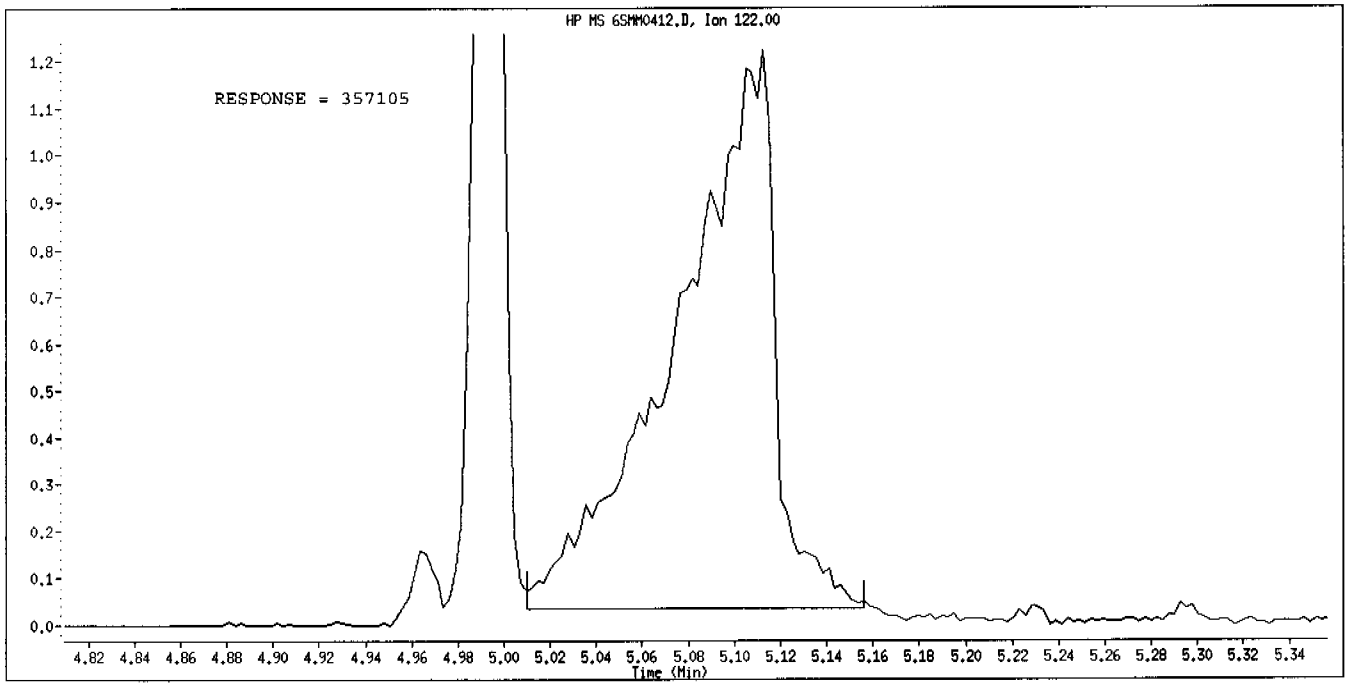
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SMM0412.D
Inj. Date and Time: 12-APR-2004 09:04
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/12/2004



Original Integration



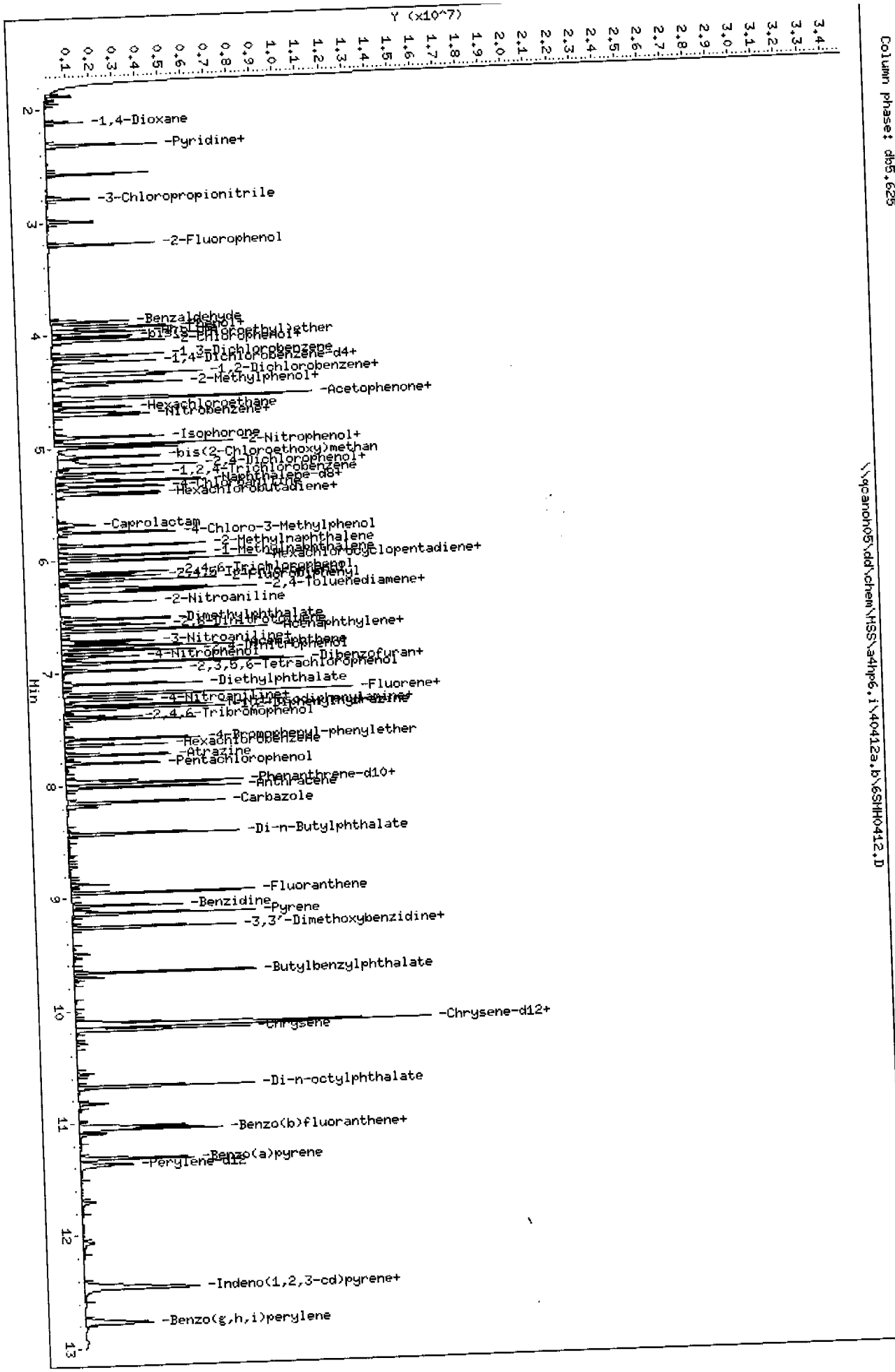
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SHH0412.D
Date : 12-APR-2004 10:45
Client ID:
Sample Info: 16,40412a,b,8270p,3-827042,sub,1,,6
Column phase: db5,625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32

\\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SHH0412.D



Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SMH0412.D
Report Date: 12-Apr-2004 15:16

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SMH0412.D
Lab Smp Id: 16
Inj Date : 12-APR-2004 10:45 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 16,40412a.b,8270p,3-827042.sub,1,,6
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:16 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 10:25 Cal File: 6SLL0412.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.224	4.224	(1.000)	194755	2.00000	
* 2 Naphthalene-d8	136	5.281	5.281	(1.000)	756486	2.00000	
* 3 Acenaphthene-d10	164	6.737	6.737	(1.000)	435333	2.00000	(H)
* 4 Phenanthrene-d10	188	7.958	7.958	(1.000)	810668	2.00000	
* 5 Chrysene-d12	240	10.149	10.149	(1.000)	785096	2.00000	
* 6 Perylene-d12	264	11.365	11.365	(1.000)	561160	2.00000	
198 1,4-Dioxane	88	2.113	2.113	(0.500)	400631	5.00000	4.9491(H)
9 Pyridine	79	2.319	2.319	(0.549)	1210360	5.00000	5.5662
10 N-Nitrosodimethylamine	74	2.311	2.311	(0.547)	837733	5.00000	5.0745
12 3-Chloropropionitrile	54	2.792	2.792	(0.661)	443058	5.00000	5.0882
209 Benzaldehyde	77	3.880	3.880	(0.918)	782419	5.00000	4.6523
21 Aniline	93	3.970	3.970	(0.940)	1571288	5.00000	5.0324
22 Phenol	94	3.936	3.936	(0.932)	1279687	5.00000	4.9730
23 bis(2-Chloroethyl)ether	93	4.016	4.016	(0.951)	929619	5.00000	4.9639
24 2-Chlorophenol	128	4.055	4.055	(0.960)	671568	5.00000	4.9521
26 1,3-Dichlorobenzene	146	4.178	4.178	(0.989)	615104	5.00000	4.9443
27 1,4-Dichlorobenzene	146	4.237	4.237	(1.003)	558236	5.00000	4.9280
28 1,2-Dichlorobenzene	146	4.366	4.366	(1.033)	573194	5.00000	4.7690
29 Benzyl Alcohol	108	4.343	4.343	(1.028)	611752	5.00000	5.1246
30 2-Methylphenol	108	4.428	4.428	(1.048)	850859	5.00000	4.9987
31 bis(2-Chloroisopropyl)ether	45	4.448	4.448	(1.053)	775043	5.00000	4.9210
37 Acetophenone	105	4.564	4.564	(1.080)	1135752	5.00000	4.8631
32 N-Nitroso-di-n-propylamine	70	4.572	4.572	(1.082)	997191	5.00000	5.0118
192 4-Methylphenol	108	4.561	4.561	(1.080)	804365	5.00000	4.7952(H)
34 Hexachloroethane	117	4.638	4.638	(1.098)	300390	5.00000	4.9568
35 Nitrobenzene	77	4.708	4.708	(0.891)	1375652	5.00000	5.0551
41 Isophorone	82	4.906	4.906	(0.929)	2241238	5.00000	5.1171
42 2-Nitrophenol	139	4.970	4.970	(0.941)	356028	5.00000	5.0302
43 2,4-Dimethylphenol	107	5.001	5.001	(0.947)	969378	5.00000	5.0687
44 bis(2-Chloroethoxy)methane	93	5.083	5.083	(0.963)	1128794	5.00000	4.8947
46 2,4-Toluenediamene	121	6.256	6.256	(1.185)	164204	5.00000	4.3144
47 1,3,5-Trichlorobenzene	180	4.973	4.973	(0.942)	528391	5.00000	4.8689
48 2,4-Dichlorophenol	162	5.163	5.163	(0.978)	539192	5.00000	5.0465

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.166	5.166	(0.978)	798776	10.0000	10.218(QM)
50 1,2,4-Trichlorobenzene	180	5.232	5.232	(0.991)	524910	5.00000	4.8261
51 Naphthalene	128	5.299	5.299	(1.003)	1898365	5.00000	4.9619
52 4-Chloroaniline	127	5.348	5.348	(1.013)	790242	5.00000	5.0368
56 Hexachlorobutadiene	225	5.400	5.400	(1.022)	322430	5.00000	4.9397
210 Caprolactam	113	5.688	5.688	(1.077)	266504	5.00000	5.2602(H)
57 1,2,3-Trichlorobenzene	180	5.420	5.420	(1.026)	505472	5.00000	4.9042
59 4-Chloro-3-Methylphenol	107	5.754	5.754	(1.090)	843686	5.00000	5.2703
62 2-Methylnaphthalene	142	5.873	5.873	(1.112)	1205274	5.00000	5.0083
63 1-Methylnaphthalene	142	5.955	5.955	(1.128)	1157487	5.00000	4.9433
64 Hexachlorocyclopentadiene	237	6.004	6.004	(0.956)	393714	5.00000	5.1043
66 2,4,6-Trichlorophenol	196	6.109	6.109	(0.973)	434816	5.00000	5.1993
67 2,4,5-Trichlorophenol	196	6.140	6.140	(0.978)	437866	5.00000	5.0152
211 1,1'-Biphenyl	154	6.264	6.264	(0.998)	1522663	5.00000	4.8668
68 1,2,3,5-Tetrachlorobenzene	216	5.999	5.999	(0.955)	541060	5.00000	4.9326
70 2-Chloronaphthalene	162	6.279	6.279	(1.000)	1125297	5.00000	4.9702
73 2-Nitroaniline	65	6.372	6.372	(1.015)	765133	5.00000	5.3842
74 1,2,3,4-Tetrachlorobenzene	216	6.248	6.248	(0.995)	527045	5.00000	5.0188
76 Dimethylphthalate	163	6.521	6.521	(1.038)	1374052	5.00000	5.1031
78 2,6-Dinitrotoluene	165	6.575	6.575	(1.047)	301296	5.00000	5.1819
79 Acenaphthylene	152	6.621	6.621	(1.054)	1968316	5.00000	4.9500
80 1,2-Dinitrobenzene	168	6.626	6.626	(1.055)	161865	5.00000	5.1172(QH)
81 3-Nitroaniline	138	6.716	6.716	(1.070)	351735	5.00000	5.3564
82 Acenaphthene	153	6.765	6.765	(1.077)	1298253	5.00000	5.0128
83 2,4-Dinitrophenol	184	6.804	6.804	(1.084)	500574	10.0000	10.972
85 4-Nitrophenol	109	6.850	6.850	(1.091)	329413	5.00000	5.3373(Q)
86 Dibenzofuran	168	6.909	6.909	(1.100)	1729357	5.00000	4.9140
87 2,4-Dinitrotoluene	165	6.906	6.906	(1.100)	419111	5.00000	5.0854
91 2,3,5,6-Tetrachlorophenol	232	6.973	6.973	(1.111)	395469	5.00000	5.2186
93 Diethylphthalate	149	7.099	7.099	(1.131)	1438629	5.00000	5.0032
94 Fluorene	166	7.189	7.189	(1.145)	1337163	5.00000	4.8516
95 4-Chlorophenyl-phenylether	204	7.187	7.187	(1.145)	688086	5.00000	4.9425
96 4-Nitroaniline	138	7.230	7.230	(1.152)	371172	5.00000	5.3570
98 4,6-Dinitro-2-methylphenol	198	7.243	7.243	(0.910)	306945	5.00000	5.2606
99 N-Nitrosodiphenylamine	169	7.290	7.290	(0.916)	1043198	5.00000	5.0284
100 1,2-Diphenylhydrazine	77	7.318	7.318	(0.920)	2751777	5.00000	5.0043
106 4-Bromophenyl-phenylether	248	7.588	7.588	(0.953)	381349	5.00000	4.9814
107 Hexachlorobenzene	284	7.644	7.644	(0.961)	365861	5.00000	5.0256
212 Atrazine	200	7.732	7.732	(0.972)	358587	5.00000	4.8189
111 Pentachlorophenol	266	7.804	7.804	(0.981)	290665	5.00000	5.2532
115 Phenanthrene	178	7.981	7.981	(1.003)	2047108	5.00000	4.9113
116 Anthracene	178	8.022	8.022	(1.008)	2030914	5.00000	5.0924
119 Carbazole	167	8.156	8.156	(1.025)	1942486	5.00000	5.1410
120 Di-n-Butylphthalate	149	8.431	8.431	(1.059)	2483193	5.00000	5.1398
123 Fluoranthene	202	8.953	8.953	(1.125)	2418284	5.00000	5.0447
124 Benzidine	184	9.066	9.066	(0.893)	1201557	5.00000	5.0809
125 Pyrene	202	9.141	9.141	(0.901)	2498300	5.00000	5.0416
131 Butylbenzylphthalate	149	9.663	9.663	(0.952)	1110993	5.00000	5.3288
133 3,3'-Dimethoxybenzidine	244	9.259	9.259	(0.912)	1492011	5.00000	5.0983(Q)
135 3,3'-Dichlorobenzidine	252	10.121	10.121	(0.997)	811588	5.00000	5.0564
136 Benzo(a)Anthracene	228	10.139	10.139	(0.999)	2222645	5.00000	4.8548
137 Chrysene	228	10.175	10.175	(1.003)	2183157	5.00000	5.0225
138 4,4'-Methylene bis(o-chloroan	231	10.123	10.123	(0.997)	423023	5.00000	5.1447
139 bis(2-ethylhexyl)Phthalate	149	10.139	10.139	(0.999)	1558542	5.00000	5.0889

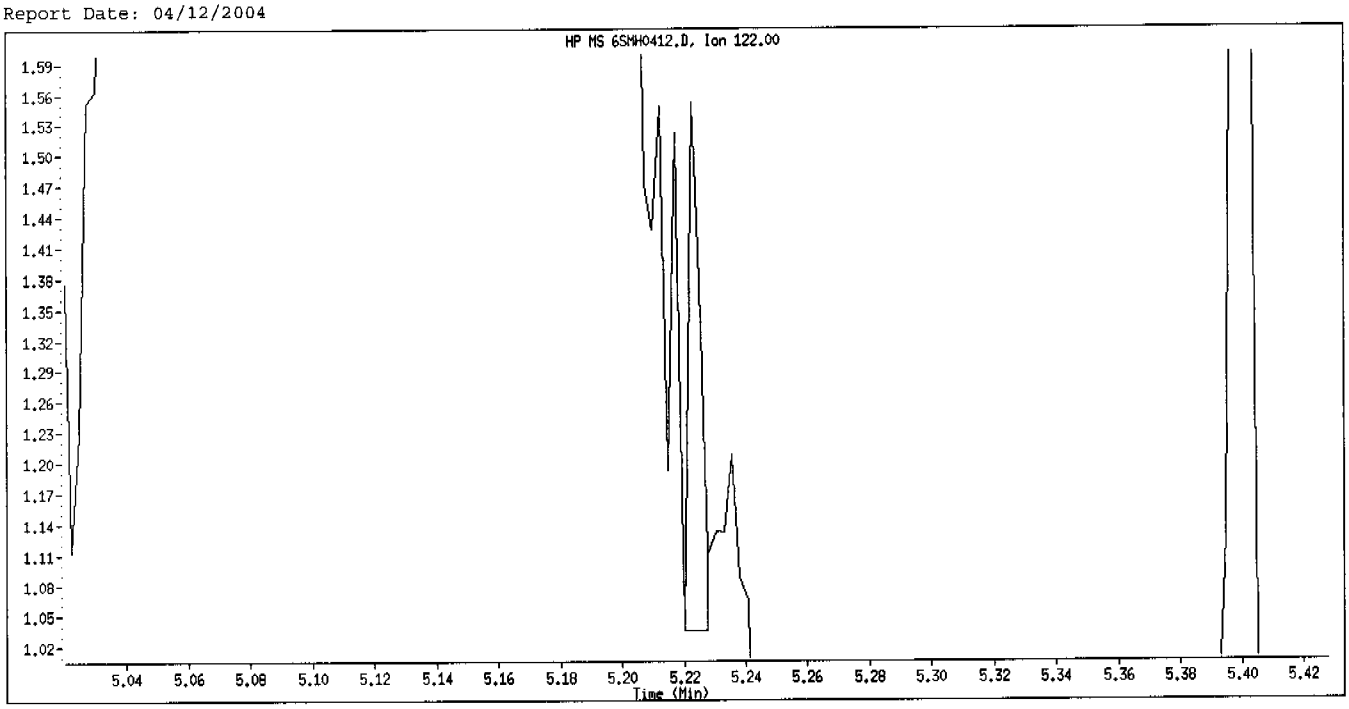
Data File: \\qcanoh05\dd\chem\MSS\a4hp6.1\40412a.D\05MH0412.D
Report Date: 12-Apr-2004 15:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.674	10.674	(0.939)	2575347	5.00000	5.3761
141 Benzo(b)fluoranthene	252	11.034	11.034	(0.971)	2142763	5.00000	4.9884
142 Benzo(k)fluoranthene	252	11.057	11.057	(0.973)	2292996	5.00000	5.3920
146 Benzo(a)pyrene	252	11.316	11.316	(0.996)	1974193	5.00000	5.1569
149 Indeno(1,2,3-cd)pyrene	276	12.451	12.451	(1.095)	2208426	5.00000	5.2345(Q)
150 Dibenz(a,h)anthracene	278	12.466	12.466	(1.097)	1895824	5.00000	5.3500
151 Benzo(g,h,i)perylene	276	12.775	12.775	(1.124)	1849470	5.00000	5.2299(Q)
$ 154 Nitrobenzene-d5	82	4.690	4.690	(0.888)	1285630	5.00000	5.0668
$ 155 2-Fluorobiphenyl	172	6.179	6.179	(0.984)	1436663	5.00000	4.9571
$ 156 Terphenyl-d14	244	9.259	9.259	(0.912)	1492011	5.00000	4.9983
$ 157 Phenol-d5	99	3.924	3.924	(0.929)	1155745	5.00000	5.1143
$ 158 2-Fluorophenol	112	3.196	3.196	(0.757)	741003	5.00000	5.1806
$ 159 2,4,6-Tribromophenol	330	7.390	7.390	(1.177)	174484	5.00000	5.2117
$ 186 2-Chlorophenol-d4	132	4.042	4.042	(0.957)	662945	5.00000	5.0567
$ 187 1,2-Dichlorobenzene-d4	152	4.353	4.353	(1.030)	384486	5.00000	4.8745
101 Diphenylamine	169	7.290	7.290	(0.916)	1043198	5.00000	5.0284

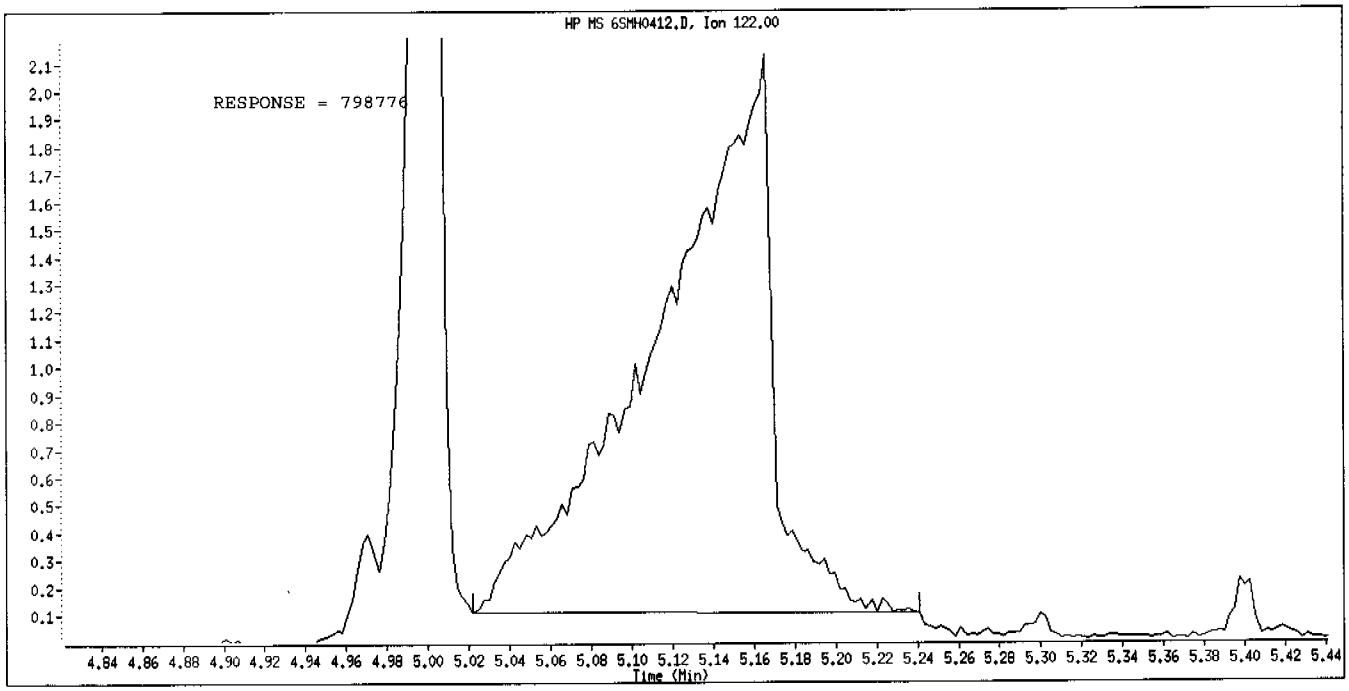
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: 6SMH0412.D
Inj. Date and Time: 12-APR-2004 10:45
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

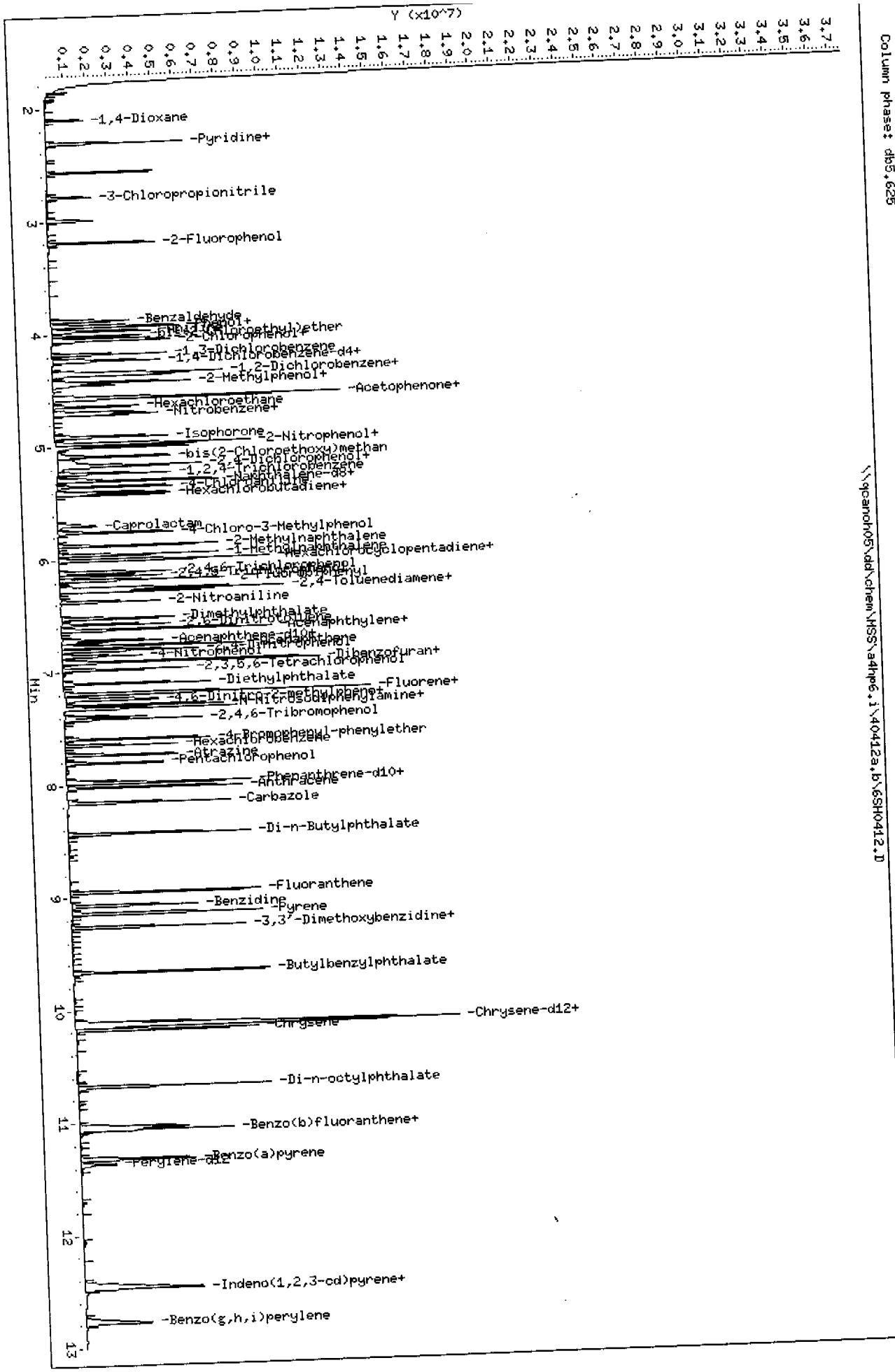
Data File: \\qcanon05\dd\chem\MSS\a4hp6.i\40412a.b\6SH0412.D
Date : 12-APR-2004 11:05
Client ID:
Sample Info: 17,40412a.b,8270p,3-827042,sub,1,,7

Column phase: db5,625

Instrument: a4hp6.i

Operator: 001710

Column diameter: 0.32



Page 4

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SH0412.D
Report Date: 12-Apr-2004 15:16

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6SH0412.D
Lab Smp Id: 17
Inj Date : 12-APR-2004 11:05 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 17,40412a.b,8270p,3-827042.sub,1,,7
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:16 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 13:28 Cal File: 6AMH0412.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000 Compound Sublist: 3-827042.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.223	4.223	(1.000)	153465	2.00000	
* 2 Naphthalene-d8	136	5.280	5.280	(1.000)	572933	2.00000	
* 3 Acenaphthene-d10	164	6.735	6.735	(1.000)	325675	2.00000	
* 4 Phenanthrene-d10	188	7.959	7.959	(1.000)	600378	2.00000	
* 5 Chrysene-d12	240	10.150	10.150	(1.000)	589782	2.00000	
* 6 Perylene-d12	264	11.361	11.361	(1.000)	412512	2.00000	
198 1,4-Dioxane	88	2.101	2.101	(0.498)	460720	7.50000	7.2227
9 Pyridine	79	2.310	2.310	(0.547)	1400678	7.50000	8.1745
10 N-Nitrosodimethylamine	74	2.307	2.307	(0.546)	954154	7.50000	7.3347
12 3-Chloropropionitrile	54	2.788	2.788	(0.660)	494785	7.50000	7.2110
209 Benzaldehyde	77	3.881	3.881	(0.919)	858873	7.50000	6.4809
21 Aniline	93	3.973	3.973	(0.941)	1844752	7.50000	7.4978
22 Phenol	94	3.937	3.937	(0.932)	1489966	7.50000	7.3481
23 bis(2-Chloroethyl)ether	93	4.017	4.017	(0.951)	1087802	7.50000	7.3714
24 2-Chlorophenol	128	4.056	4.056	(0.960)	771513	7.50000	7.2197
26 1,3-Dichlorobenzene	146	4.179	4.179	(0.990)	715304	7.50000	7.2967
27 1,4-Dichlorobenzene	146	4.238	4.238	(1.004)	637624	7.50000	7.1432
28 1,2-Dichlorobenzene	146	4.367	4.367	(1.034)	688663	7.50000	7.2713
29 Benzyl Alcohol	108	4.346	4.346	(1.029)	692744	7.50000	7.3644
30 2-Methylphenol	108	4.429	4.429	(1.049)	984654	7.50000	7.3411
31 bis(2-Chloroisopropyl)ether	45	4.452	4.452	(1.054)	912765	7.50000	7.3548
37 Acetophenone	105	4.567	4.567	(1.082)	1327008	7.50000	7.2107
32 N-Nitroso-di-n-propylamine	70	4.575	4.575	(1.083)	1171476	7.50000	7.4718
192 4-Methylphenol	108	4.565	4.565	(1.081)	914528	7.50000	6.9188
34 Hexachloroethane	117	4.639	4.639	(1.099)	359394	7.50000	7.5261
35 Nitrobenzene	77	4.709	4.709	(0.892)	1607131	7.50000	7.7978
41 Isophorone	82	4.907	4.907	(0.929)	2622465	7.50000	7.9057
42 2-Nitrophenol	139	4.971	4.971	(0.942)	411606	7.50000	7.6786
43 2,4-Dimethylphenol	107	5.002	5.002	(0.947)	1143365	7.50000	7.8938
44 bis(2-Chloroethoxy)methane	93	5.084	5.084	(0.963)	1329038	7.50000	7.6093
46 2,4-Toluenediamene	121	6.259	6.259	(1.186)	295772	7.50000	10.261
47 1,3,5-Trichlorobenzene	180	4.974	4.974	(0.942)	614168	7.50000	7.4724
48 2,4-Dichlorophenol	162	5.164	5.164	(0.978)	622304	7.50000	7.6904

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\65H0412.D
Report Date: 12-Apr-2004 15:16

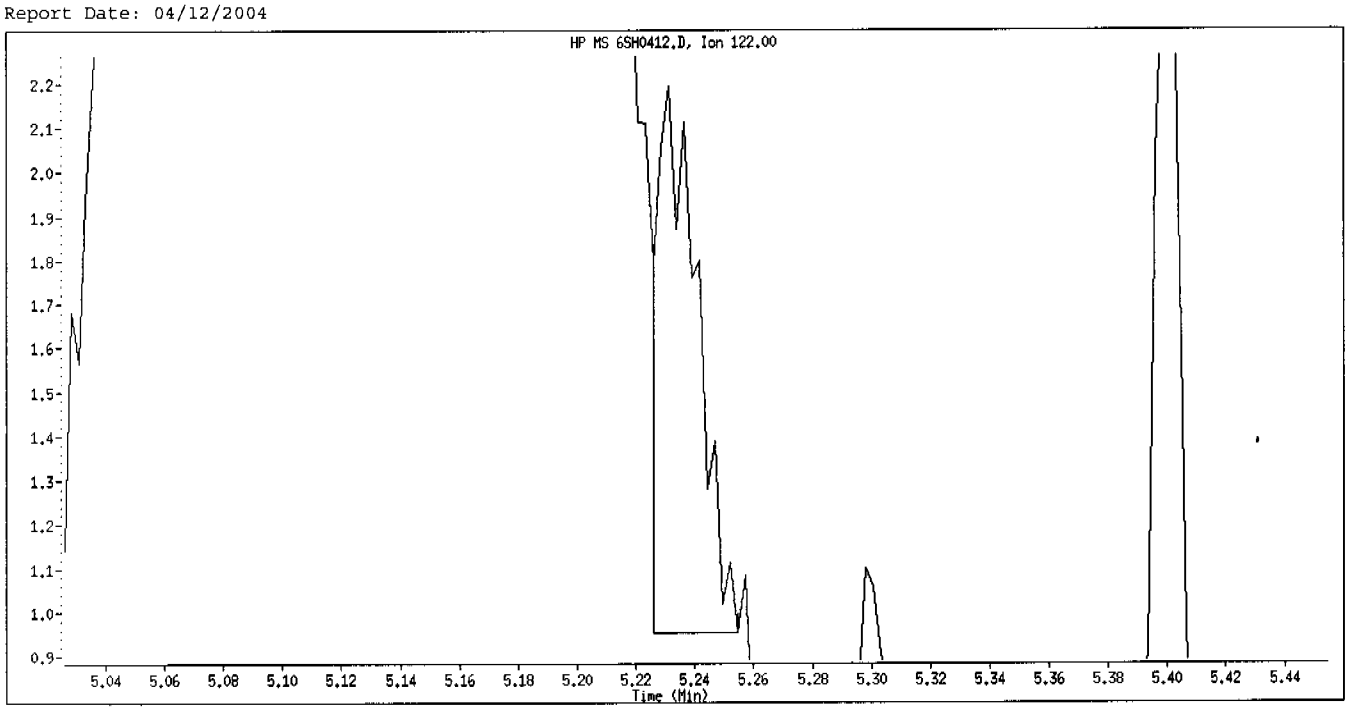
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.177	5.177	(0.981)	1037353	15.0000	17.522(M)
50 1,2,4-Trichlorobenzene	180	5.233	5.233	(0.991)	629033	7.50000	7.6363
51 Naphthalene	128	5.300	5.300	(1.004)	2217957	7.50000	7.6545
52 4-Chloroaniline	127	5.349	5.349	(1.013)	931173	7.50000	7.8366
56 Hexachlorobutadiene	225	5.401	5.401	(1.023)	377631	7.50000	7.6389
210 Caprolactam	113	5.696	5.696	(1.079)	301880	7.50000	7.8674
57 1,2,3-Trichlorobenzene	180	5.419	5.419	(1.026)	590473	7.50000	7.5643
59 4-Chloro-3-Methylphenol	107	5.755	5.755	(1.090)	955607	7.50000	7.8819
62 2-Methylnaphthalene	142	5.874	5.874	(1.112)	1388405	7.50000	7.6176
63 1-Methylnaphthalene	142	5.956	5.956	(1.128)	1343056	7.50000	7.5734
64 Hexachlorocyclopentadiene	237	6.002	6.002	(0.891)	467529	7.50000	8.1022
66 2,4,6-Trichlorophenol	196	6.110	6.110	(0.907)	491636	7.50000	7.8581
67 2,4,5-Trichlorophenol	196	6.141	6.141	(0.912)	525976	7.50000	8.0529
211 1,1'-Biphenyl	154	6.262	6.262	(0.930)	1761015	7.50000	7.5239
68 1,2,3,5-Tetrachlorobenzene	216	6.002	6.002	(0.891)	619802	7.50000	7.5530
70 2-Chloronaphthalene	162	6.280	6.280	(0.932)	1306740	7.50000	7.7150
73 2-Nitroaniline	65	6.373	6.373	(0.946)	876974	7.50000	8.2491
74 1,2,3,4-Tetrachlorobenzene	216	6.249	6.249	(0.928)	608100	7.50000	7.7405
76 Dimethylphthalate	163	6.519	6.519	(0.968)	1578825	7.50000	7.8380
78 2,6-Dinitrotoluene	165	6.573	6.573	(0.976)	357944	7.50000	8.2290
79 Acenaphthylene	152	6.622	6.622	(0.983)	2298128	7.50000	7.7254
80 1,2-Dinitrobenzene	168	6.627	6.627	(0.984)	191597	7.50000	8.0966
81 3-Nitroaniline	138	6.717	6.717	(0.997)	414016	7.50000	8.4277
82 Acenaphthene	153	6.766	6.766	(1.005)	1488273	7.50000	7.6815
83 2,4-Dinitrophenol	184	6.805	6.805	(1.010)	590077	15.0000	17.290
85 4-Nitrophenol	109	6.853	6.853	(1.018)	383812	7.50000	8.3126
86 Dibenzofuran	168	6.910	6.910	(1.026)	1978123	7.50000	7.5134(H)
87 2,4-Dinitrotoluene	165	6.907	6.907	(1.026)	483530	7.50000	7.8426(H)
91 2,3,5,6-Tetrachlorophenol	232	6.974	6.974	(1.036)	464002	7.50000	8.1847(H)
93 Diethylphthalate	149	7.100	7.100	(1.054)	1653321	7.50000	7.6858
94 Fluorene	166	7.190	7.190	(1.068)	1520443	7.50000	7.3741
95 4-Chlorophenyl-phenylether	204	7.185	7.185	(1.067)	777022	7.50000	7.4606(H)
96 4-Nitroaniline	138	7.234	7.234	(1.074)	409657	7.50000	7.9033(H)
98 4,6-Dinitro-2-methylphenol	198	7.244	7.244	(0.910)	359767	7.50000	8.3255
99 N-Nitrosodiphenylamine	169	7.293	7.293	(0.916)	1216542	7.50000	7.9179
100 1,2-Diphenylhydrazine	77	7.319	7.319	(0.920)	3201022	7.50000	7.8602
106 4-Bromophenyl-phenylether	248	7.591	7.591	(0.954)	436858	7.50000	7.7052
107 Hexachlorobenzene	284	7.643	7.643	(0.960)	420704	7.50000	7.8032
212 Atrazine	200	7.733	7.733	(0.972)	438493	7.50000	7.9568
111 Pentachlorophenol	266	7.805	7.805	(0.981)	332977	7.50000	8.1258
115 Phenanthrene	178	7.982	7.982	(1.003)	2346273	7.50000	7.6007
116 Anthracene	178	8.023	8.023	(1.008)	2372093	7.50000	8.0312
119 Carbazole	167	8.157	8.157	(1.025)	2203437	7.50000	7.8742
120 Di-n-Butylphthalate	149	8.432	8.432	(1.059)	2853852	7.50000	7.9760
123 Fluoranthene	202	8.954	8.954	(1.125)	2769260	7.50000	7.8002
124 Benzidine	184	9.070	9.070	(0.894)	1629039	7.50000	9.1697
125 Pyrene	202	9.142	9.142	(0.901)	2870487	7.50000	7.7109
131 Butylbenzylphthalate	149	9.664	9.664	(0.952)	1282568	7.50000	8.1890
133 3,3'-Dimethoxybenzidine	244	9.260	9.260	(0.912)	1710836	7.50000	7.7820
135 3,3'-Dichlorobenzidine	252	10.122	10.122	(0.997)	946413	7.50000	7.8490
136 Benzo(a)Anthracene	228	10.140	10.140	(0.999)	2595427	7.50000	7.5464
137 Chrysene	228	10.176	10.176	(1.003)	2517801	7.50000	7.7106
138 4,4'-Methylene bis(o-chloroan	231	10.124	10.124	(0.997)	504674	7.50000	8.1704
139 bis(2-ethylhexyl)Phthalate	149	10.137	10.137	(0.999)	1809477	7.50000	7.8648

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.675	10.675	(0.940)	2958163	7.50000	8.4005
141 Benzo(b)fluoranthene	252	11.032	11.032	(0.971)	2638299	7.50000	8.3553
142 Benzo(k)fluoranthene	252	11.058	11.058	(0.973)	2499527	7.50000	7.9957(H)
146 Benzo(a)pyrene	252	11.320	11.320	(0.996)	2292728	7.50000	8.1471
149 Indeno(1,2,3-cd)pyrene	276	12.454	12.454	(1.096)	2570875	7.50000	8.2895
150 Dibenz(a,h)anthracene	278	12.470	12.470	(1.098)	2172999	7.50000	8.3419
151 Benzo(g,h,i)perylene	276	12.778	12.778	(1.125)	2159407	7.50000	8.3068
$ 154 Nitrobenzene-d5	82	4.691	4.691	(0.888)	1508015	7.50000	7.8473
$ 155 2-Fluorobiphenyl	172	6.180	6.180	(0.918)	1670515	7.50000	7.7048
$ 156 Terphenyl-d14	244	9.260	9.260	(0.912)	1710836	7.50000	7.6294
$ 157 Phenol-d5	99	3.927	3.927	(0.930)	1326445	7.50000	7.4489
$ 158 2-Fluorophenol	112	3.192	3.192	(0.756)	840894	7.50000	7.4607
$ 159 2,4,6-Tribromophenol	330	7.391	7.391	(1.097)	199427	7.50000	7.9624(M)
$ 186 2-Chlorophenol-d4	132	4.043	4.043	(0.957)	770001	7.50000	7.4535
$ 187 1,2-Dichlorobenzene-d4	152	4.354	4.354	(1.031)	442118	7.50000	7.1133
101 Diphenylamine	169	7.293	7.293	(0.916)	1216542	7.50000	7.9179

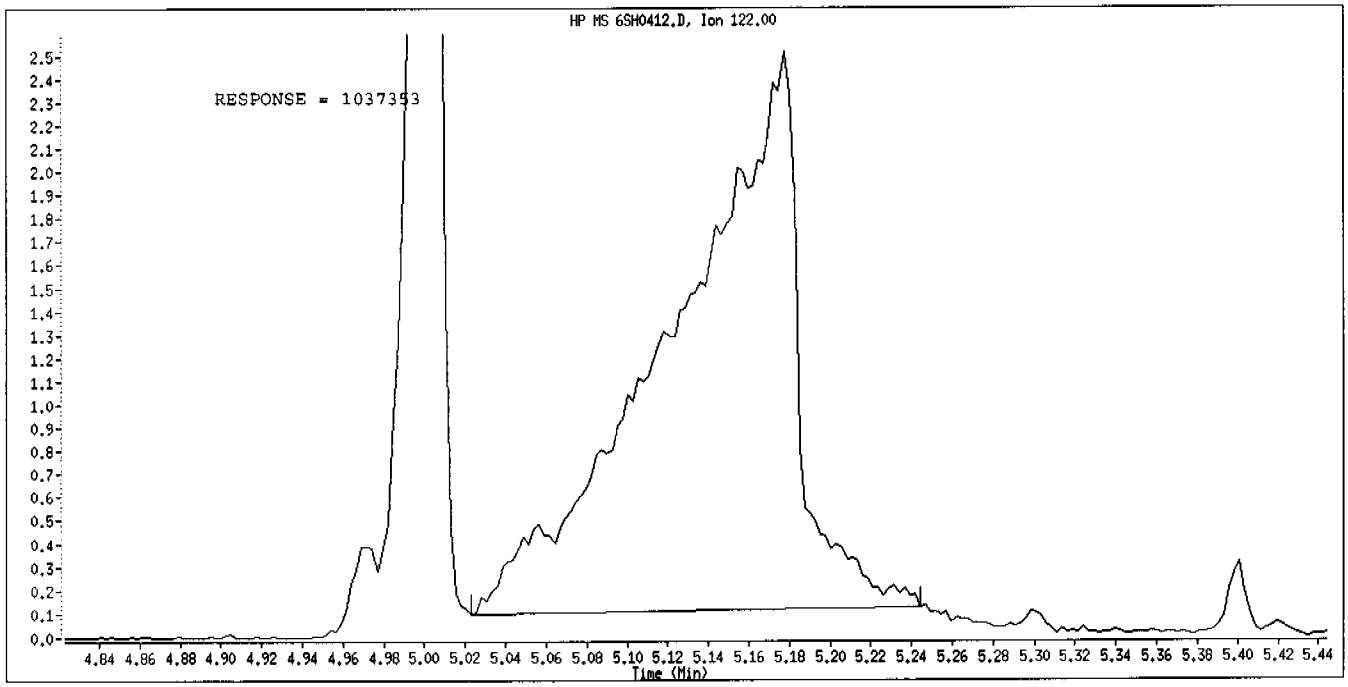
QC Flag Legend

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

Data File Name: 6SH0412.D
Inj. Date and Time: 12-APR-2004 11:05
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

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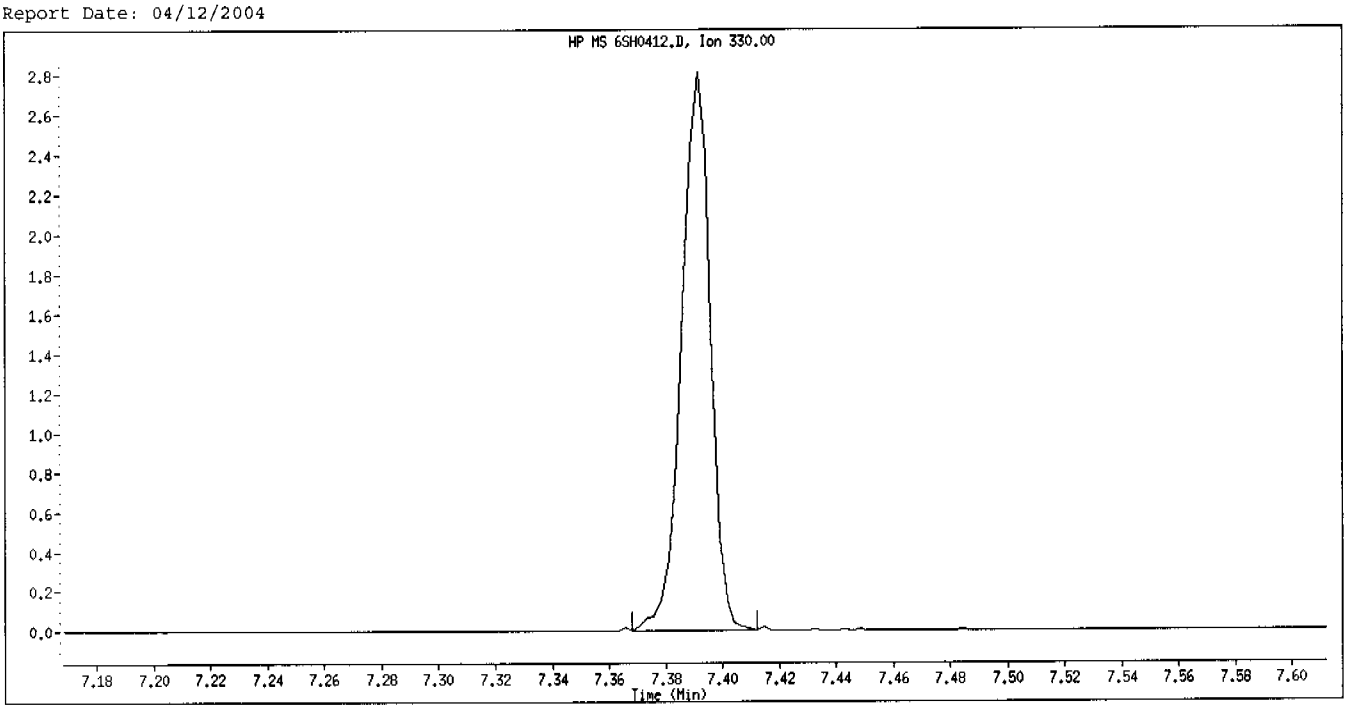
Client ID:
Compound Name: 2,4,6-Tribromophenol
CAS #: 118-79-6
Report Date: 04/12/2004



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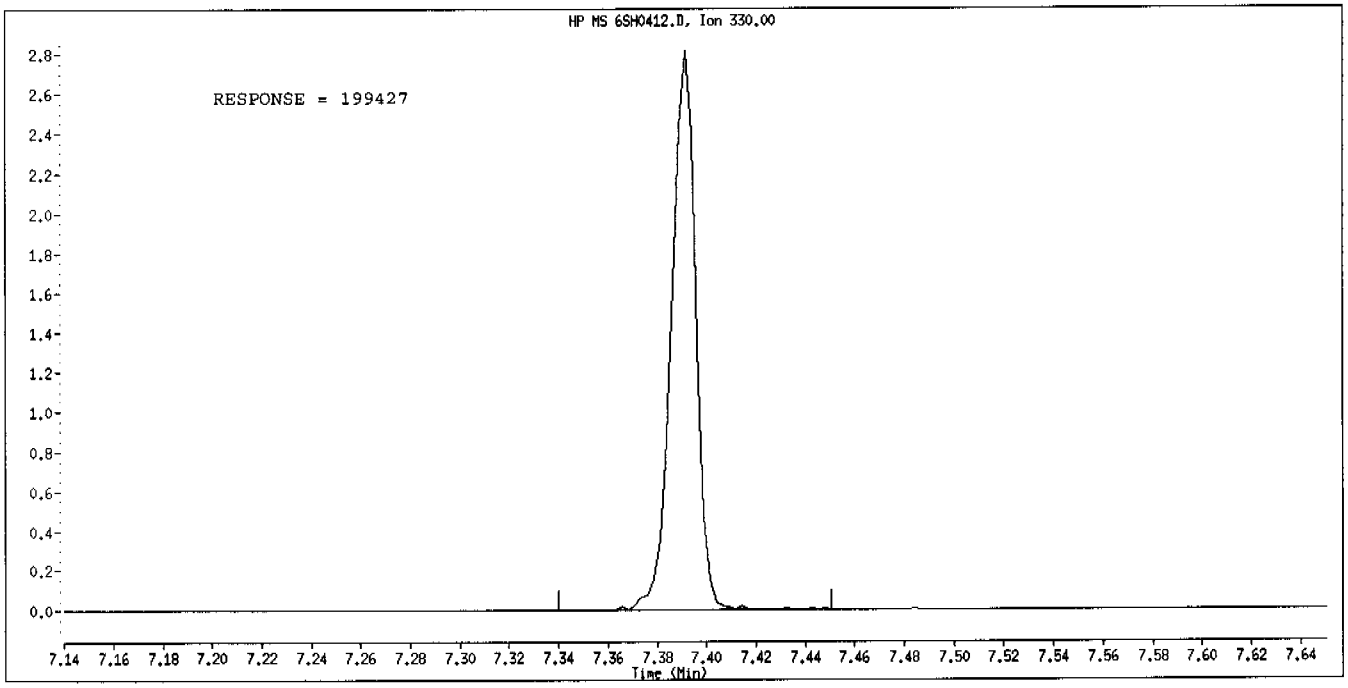

Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

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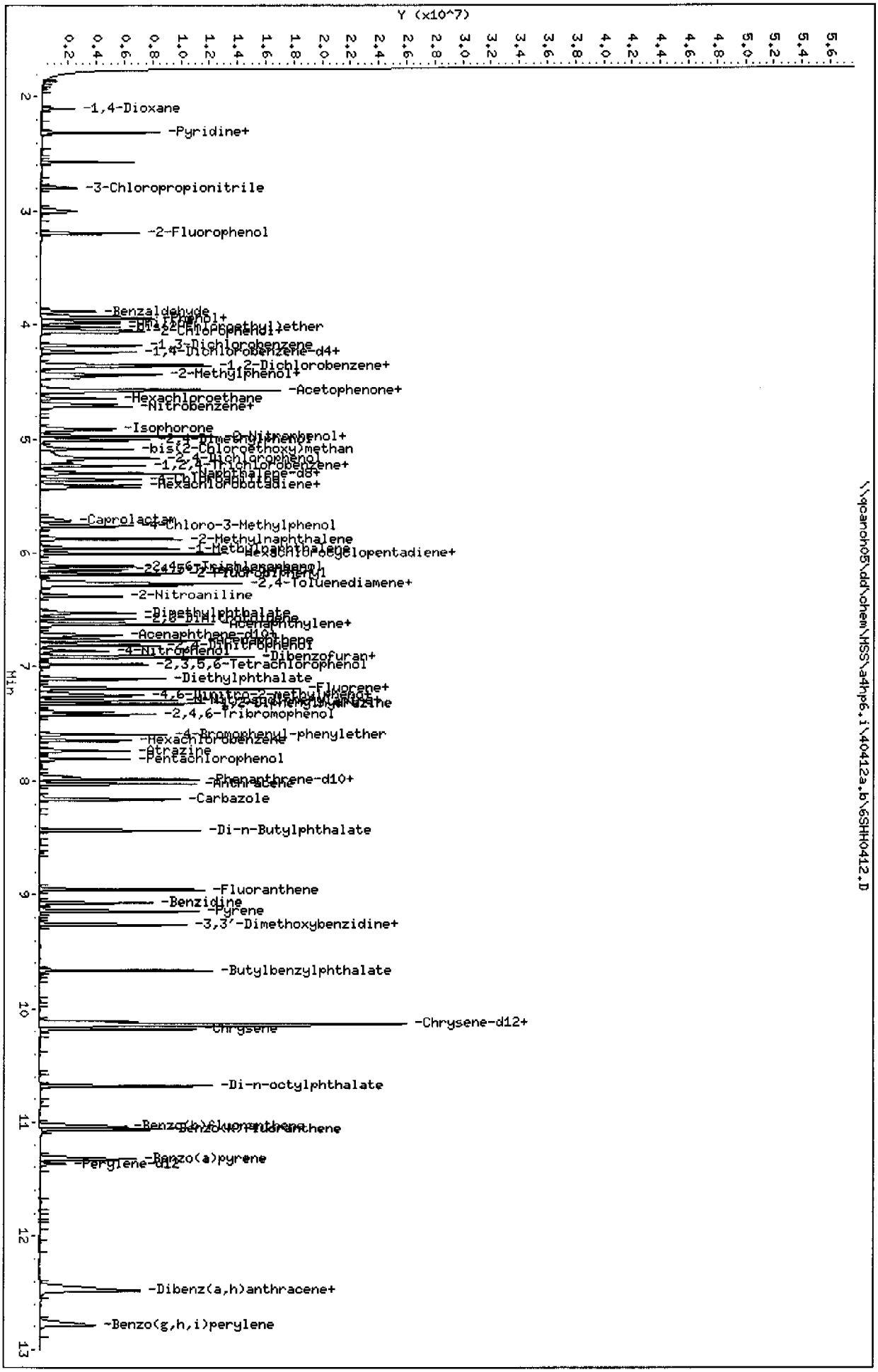
Date : 12-APR-2004 11:25
Client ID:
Sample Info: 18,40412a,b,8270p,3-827042,sub,1,r8
Column phase: db5,625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Smp Info : 18,40412a.b,8270p,3-827042.sub,1,,8
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Meth Date : 12-Apr-2004 15:17 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 13:07 Cal File: 6AH0412.D
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.225	4.225	(1.000)	161608	2.00000	
* 2 Naphthalene-d8	136	5.284	5.284	(1.000)	596028	2.00000	
* 3 Acenaphthene-d10	164	6.739	6.739	(1.000)	344852	2.00000	
* 4 Phenanthrene-d10	188	7.961	7.961	(1.000)	645858	2.00000	
* 5 Chrysene-d12	240	10.152	10.152	(1.000)	628755	2.00000	
* 6 Perylene-d12	264	11.365	11.365	(1.000)	438678	2.00000	
198 1,4-Dioxane	88	2.103	2.103	(0.498)	599938	10.0000	8.9313
9 Pyridine	79	2.309	2.309	(0.547)	1917966	10.0000	10.629
10 N-Nitrosodimethylamine	74	2.311	2.311	(0.547)	1303611	10.0000	9.5161
12 3-Chloropropionitrile	54	2.792	2.792	(0.661)	690546	10.0000	9.5570
209 Benzaldehyde	77	3.885	3.885	(0.920)	1064786	10.0000	7.6298
21 Aniline	93	3.978	3.978	(0.942)	2553095	10.0000	9.8540
22 Phenol	94	3.944	3.944	(0.934)	2059761	10.0000	9.6463
23 bis(2-Chloroethyl)ether	93	4.021	4.021	(0.952)	1498779	10.0000	9.6446
24 2-Chlorophenol	128	4.063	4.063	(0.962)	1051766	10.0000	9.3464
26 1,3-Dichlorobenzene	146	4.181	4.181	(0.990)	957712	10.0000	9.2772
27 1,4-Dichlorobenzene	146	4.240	4.240	(1.004)	892262	10.0000	9.4923
28 1,2-Dichlorobenzene	146	4.369	4.369	(1.034)	920493	10.0000	9.2294
29 Benzyl Alcohol	108	4.351	4.351	(1.030)	958794	10.0000	9.6792
30 2-Methylphenol	108	4.433	4.433	(1.049)	1363141	10.0000	9.6508
31 bis(2-Chloroisopropyl)ether	45	4.456	4.456	(1.055)	1262561	10.0000	9.6607
37 Acetophenone	105	4.572	4.572	(1.082)	1837200	10.0000	9.4800
32 N-Nitroso-di-n-propylamine	70	4.590	4.590	(1.086)	1619545	10.0000	9.8092(M)
192 4-Methylphenol	108	4.569	4.569	(1.082)	1231158	10.0000	8.8449
34 Hexachloroethane	117	4.641	4.641	(1.099)	483343	10.0000	9.6117
35 Nitrobenzene	77	4.713	4.713	(0.892)	2250861	10.0000	10.498
41 Isophorone	82	4.914	4.914	(0.930)	3641794	10.0000	10.553
42 2-Nitrophenol	139	4.975	4.975	(0.942)	568645	10.0000	10.197
43 2,4-Dimethylphenol	107	5.006	5.006	(0.947)	1576466	10.0000	10.462
44 bis(2-Chloroethoxy)methane	93	5.089	5.089	(0.963)	1844904	10.0000	10.154
46 2,4-Toluenediamene	121	6.266	6.266	(1.186)	427596	10.0000	14.259
47 1,3,5-Trichlorobenzene	180	4.975	4.975	(0.942)	833310	10.0000	9.7457
48 2,4-Dichlorophenol	162	5.171	5.171	(0.979)	852818	10.0000	10.131

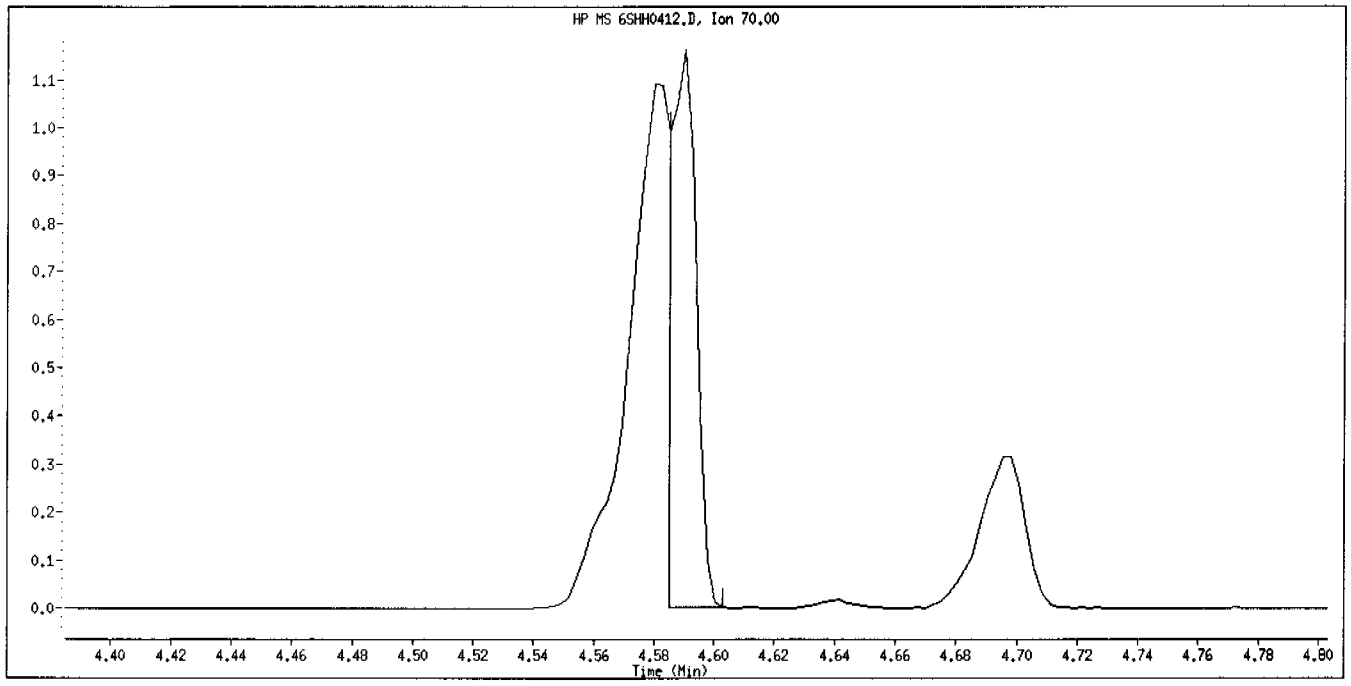
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.207	5.207	(0.985)	1409761	20.0000	22.889(M)
50 1,2,4-Trichlorobenzene	180	5.235	5.235	(0.991)	864296	10.0000	10.086
51 Naphthalene	128	5.302	5.302	(1.003)	3045739	10.0000	10.104
52 4-Chloroaniline	127	5.353	5.353	(1.013)	1271967	10.0000	10.290
56 Hexachlorobutadiene	225	5.402	5.402	(1.022)	517654	10.0000	10.066
210 Caprolactam	113	5.713	5.713	(1.081)	416347	10.0000	10.430
57 1,2,3-Trichlorobenzene	180	5.423	5.423	(1.026)	819739	10.0000	10.094
59 4-Chloro-3-Methylphenol	107	5.762	5.762	(1.091)	1333347	10.0000	10.571
62 2-Methylnaphthalene	142	5.875	5.875	(1.112)	1926844	10.0000	10.162
63 1-Methylnaphthalene	142	5.958	5.958	(1.127)	1848896	10.0000	10.022
64 Hexachlorocyclopentadiene	237	6.007	6.007	(0.891)	648539	10.0000	10.614
66 2,4,6-Trichlorophenol	196	6.115	6.115	(0.907)	685870	10.0000	10.353
67 2,4,5-Trichlorophenol	196	6.148	6.148	(0.912)	721850	10.0000	10.437
211 1,1'-Biphenyl	154	6.266	6.266	(0.930)	2417771	10.0000	9.7554
68 1,2,3,5-Tetrachlorobenzene	216	6.004	6.004	(0.891)	839871	10.0000	9.6656
70 2-Chloronaphthalene	162	6.284	6.284	(0.932)	1807498	10.0000	10.078
73 2-Nitroaniline	65	6.377	6.377	(0.946)	1234767	10.0000	10.969
74 1,2,3,4-Tetrachlorobenzene	216	6.253	6.253	(0.928)	827893	10.0000	9.9522
76 Dimethylphthalate	163	6.526	6.526	(0.968)	2174156	10.0000	10.193
78 2,6-Dinitrotoluene	165	6.580	6.580	(0.976)	483817	10.0000	10.504
79 Acenaphthylene	152	6.624	6.624	(0.983)	3164548	10.0000	10.046
80 1,2-Dinitrobenzene	168	6.634	6.634	(0.984)	267712	10.0000	10.684
81 3-Nitroaniline	138	6.724	6.724	(0.998)	576611	10.0000	11.085
82 Acenaphthene	153	6.770	6.770	(1.005)	2051447	10.0000	9.9994
83 2,4-Dinitrophenol	184	6.811	6.811	(1.011)	841029	20.0000	23.272
85 4-Nitrophenol	109	6.860	6.860	(1.018)	538536	10.0000	11.015
86 Dibenzofuran	168	6.912	6.912	(1.026)	2753374	10.0000	9.8764(H)
87 2,4-Dinitrotoluene	165	6.914	6.914	(1.026)	676475	10.0000	10.362(H)
91 2,3,5,6-Tetrachlorophenol	232	6.979	6.979	(1.035)	647527	10.0000	10.787(H)
93 Diethylphthalate	149	7.105	7.105	(1.054)	2296444	10.0000	10.082
94 Fluorene	166	7.195	7.195	(1.068)	2113835	10.0000	9.6819
95 4-Chlorophenyl-phenylether	204	7.189	7.189	(1.067)	1080149	10.0000	9.7944(H)
96 4-Nitroaniline	138	7.246	7.246	(1.075)	586773	10.0000	10.691(H)
98 4,6-Dinitro-2-methylphenol	198	7.254	7.254	(0.911)	514854	10.0000	11.075
99 N-Nitrosodiphenylamine	169	7.297	7.297	(0.917)	1707731	10.0000	10.332
100 1,2-Diphenylhydrazine	77	7.323	7.323	(0.920)	4634685	10.0000	10.579
106 4-Bromophenyl-phenylether	248	7.593	7.593	(0.954)	605232	10.0000	9.9232
107 Hexachlorobenzene	284	7.647	7.647	(0.961)	573283	10.0000	9.8844
212 Atrazine	200	7.737	7.737	(0.972)	571493	10.0000	9.6399
111 Pentachlorophenol	266	7.809	7.809	(0.981)	471214	10.0000	10.690
115 Phenanthrene	178	7.984	7.984	(1.003)	3238717	10.0000	9.7529
116 Anthracene	178	8.028	8.028	(1.008)	3235082	10.0000	10.182
119 Carbazole	167	8.161	8.161	(1.025)	3108450	10.0000	10.326
120 Di-n-Butylphthalate	149	8.434	8.434	(1.059)	3942170	10.0000	10.242
123 Fluoranthene	202	8.956	8.956	(1.125)	3851862	10.0000	10.086
124 Benzidine	184	9.072	9.072	(0.894)	2243956	10.0000	11.848
125 Pyrene	202	9.146	9.146	(0.901)	4032331	10.0000	10.160
131 Butylbenzylphthalate	149	9.666	9.666	(0.952)	1780120	10.0000	10.661
133 3,3'-Dimethoxybenzidine	244	9.262	9.262	(0.912)	2403059	10.0000	10.253
135 3,3'-Dichlorobenzidine	252	10.129	10.129	(0.998)	1396812	10.0000	10.866
136 Benzo(a)Anthracene	228	10.141	10.141	(0.999)	3727654	10.0000	10.167
137 Chrysene	228	10.177	10.177	(1.003)	3526418	10.0000	10.130
138 4,4'-Methylene bis(o-chloroan	231	10.129	10.129	(0.998)	753224	10.0000	11.438
139 bis(2-ethylhexyl)Phthalate	149	10.139	10.139	(0.999)	2652057	10.0000	10.812

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.679	10.679	(0.940)	4160213	10.0000	11.109
141 Benzo(b)fluoranthene	252	11.041	11.041	(0.971)	3730545	10.0000	11.110
142 Benzo(k)fluoranthene	252	11.065	11.065	(0.974)	3214884	10.0000	9.6707(H)
146 Benzo(a)pyrene	252	11.324	11.324	(0.996)	3204713	10.0000	10.708
149 Indeno(1,2,3-cd)pyrene	276	12.458	12.458	(1.096)	3576111	10.0000	10.843(M)
150 Dibenz(a,h)anthracene	278	12.482	12.482	(1.098)	3023704	10.0000	10.915
151 Benzo(g,h,i)perylene	276	12.790	12.790	(1.125)	2949311	10.0000	10.669
$ 154 Nitrobenzene-d5	82	4.695	4.695	(0.889)	2114497	10.0000	10.577
$ 155 2-Fluorobiphenyl	172	6.184	6.184	(0.918)	2294940	10.0000	9.9961
$ 156 Terphenyl-d14	244	9.262	9.262	(0.912)	2403059	10.0000	10.052
$ 157 Phenol-d5	99	3.931	3.931	(0.931)	1822538	10.0000	9.7191
$ 158 2-Fluorophenol	112	3.196	3.196	(0.757)	1159779	10.0000	9.7714
$ 159 2,4,6-Tribromophenol	330	7.395	7.395	(1.097)	279787	10.0000	10.550(M)
$ 186 2-Chlorophenol-d4	132	4.047	4.047	(0.958)	1031668	10.0000	9.4833
$ 187 1,2-Dichlorobenzene-d4	152	4.356	4.356	(1.031)	592971	10.0000	9.0596
101 Diphenylamine	169	7.297	7.297	(0.917)	1707731	10.0000	10.332

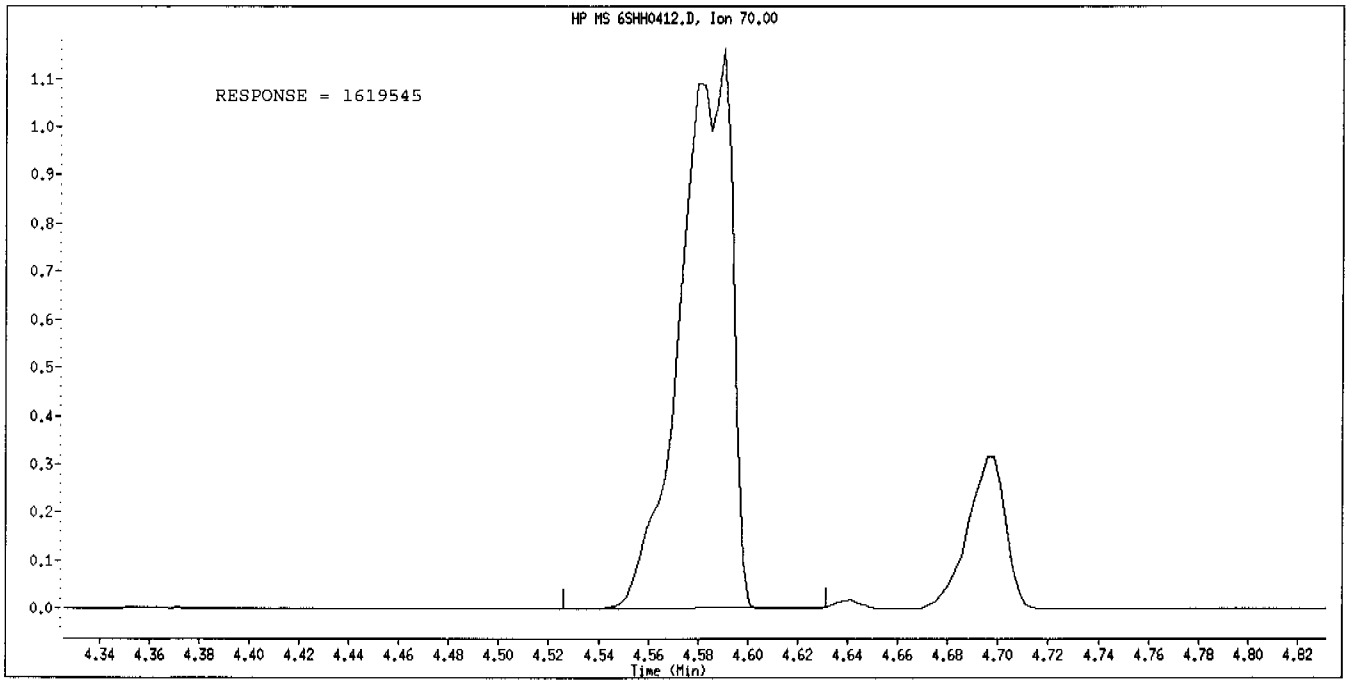
QC Flag Legend

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

Data File Name: 6SHH0412.D
Inj. Date and Time: 12-APR-2004 11:25
Instrument ID: a4hp6.i
Client ID:
Compound Name: N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 04/12/2004



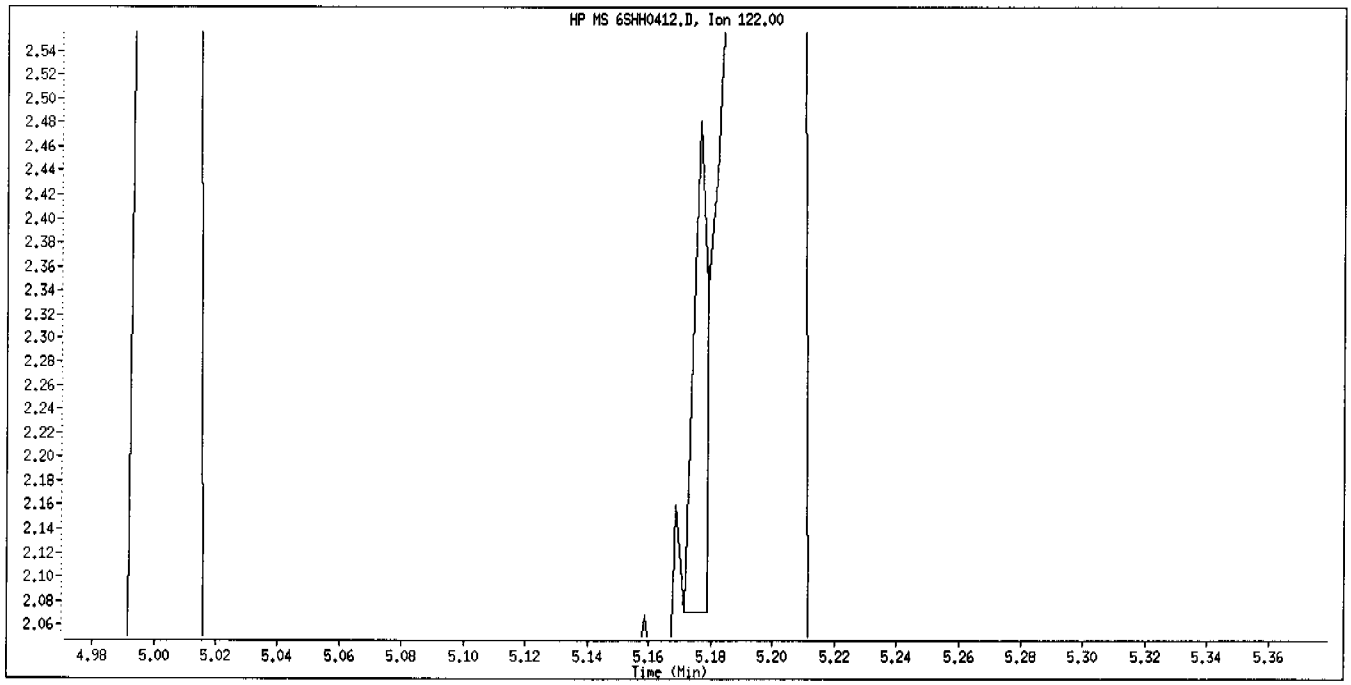
Original Integration



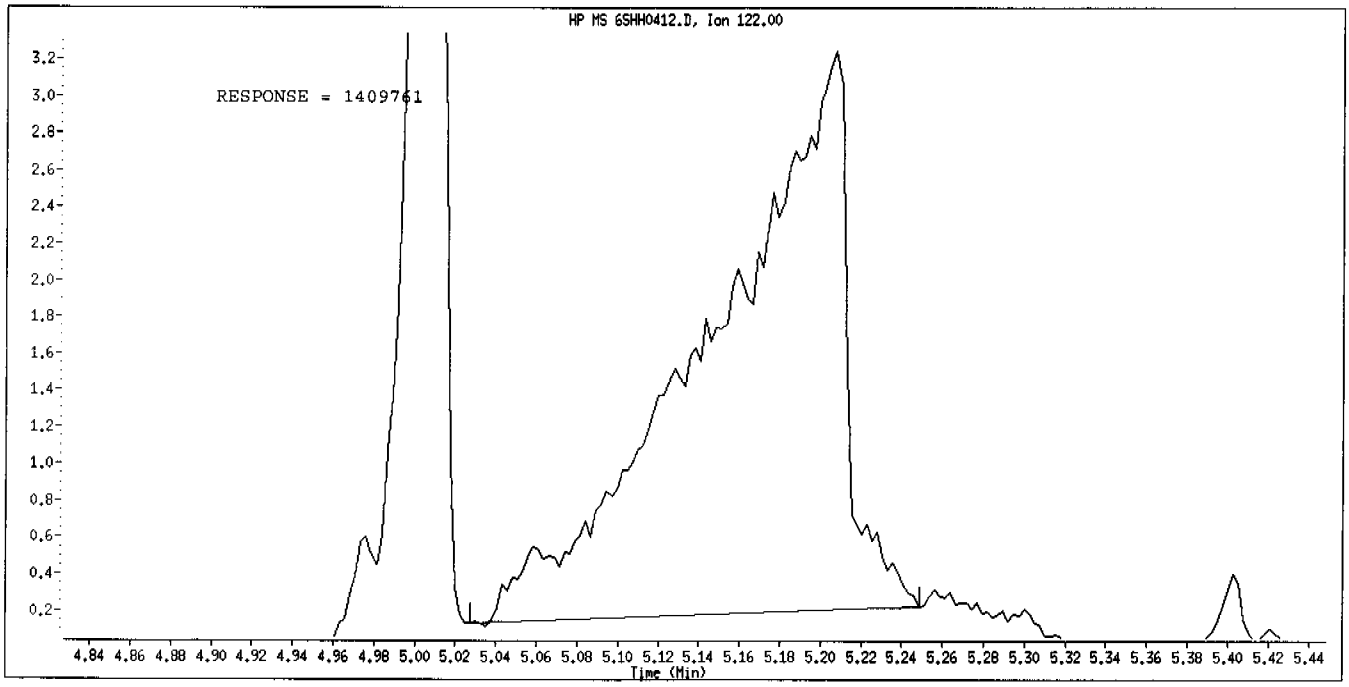
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SHH0412.D
Inj. Date and Time: 12-APR-2004 11:25
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/12/2004



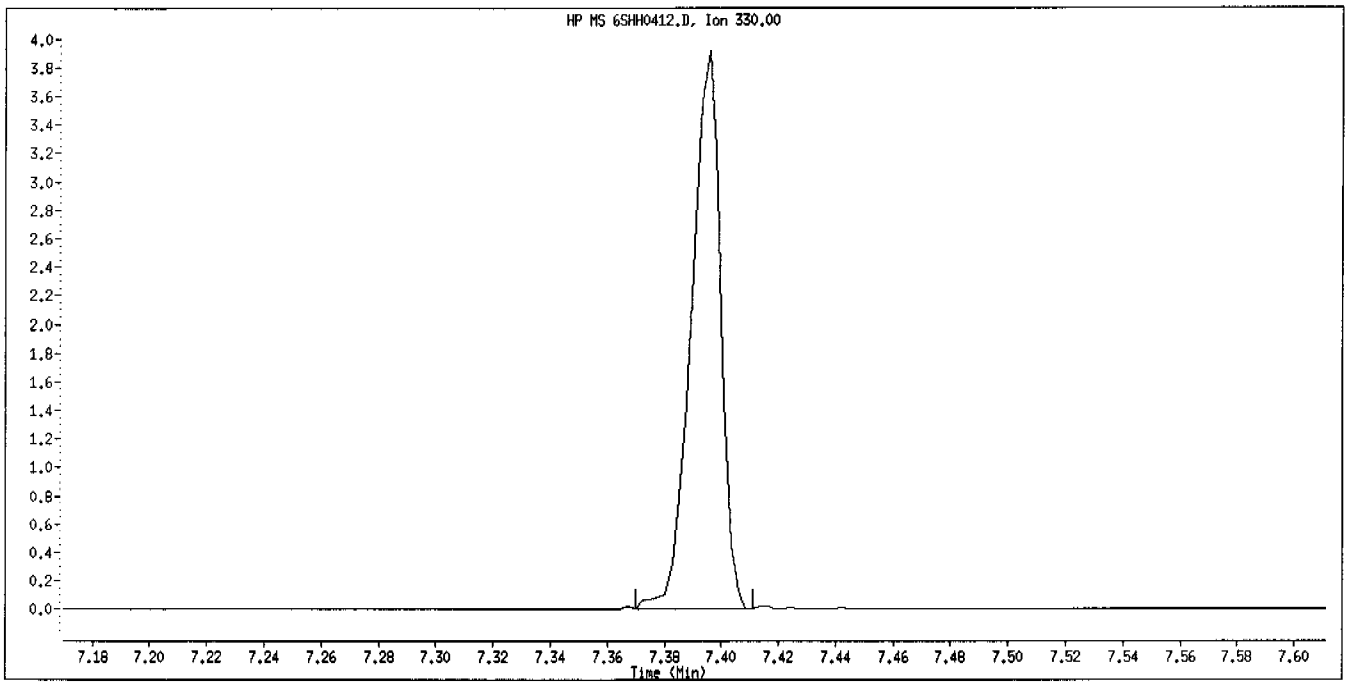
Original Integration



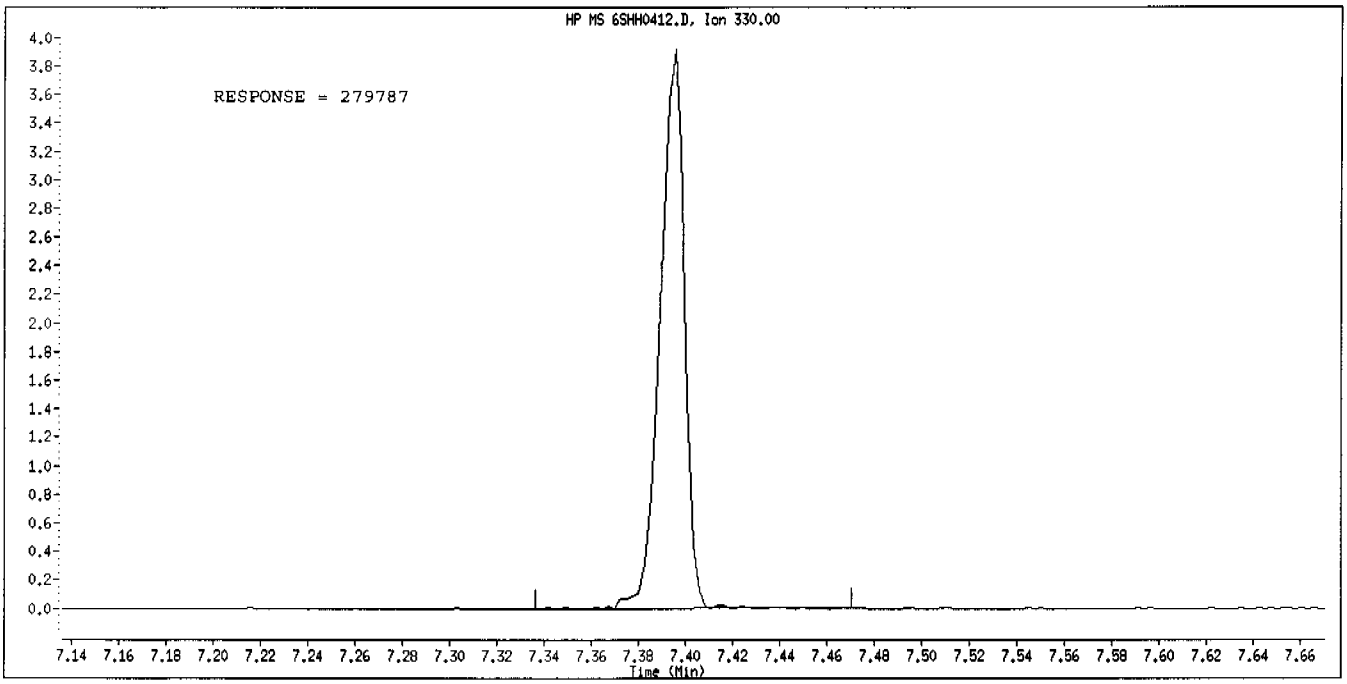
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SHH0412.D
Inj. Date and Time: 12-APR-2004 11:25
Instrument ID: a4hp6.i
Client ID:
Compound Name: 2,4,6-Tribromophenol
CAS #: 118-79-6
Report Date: 04/12/2004



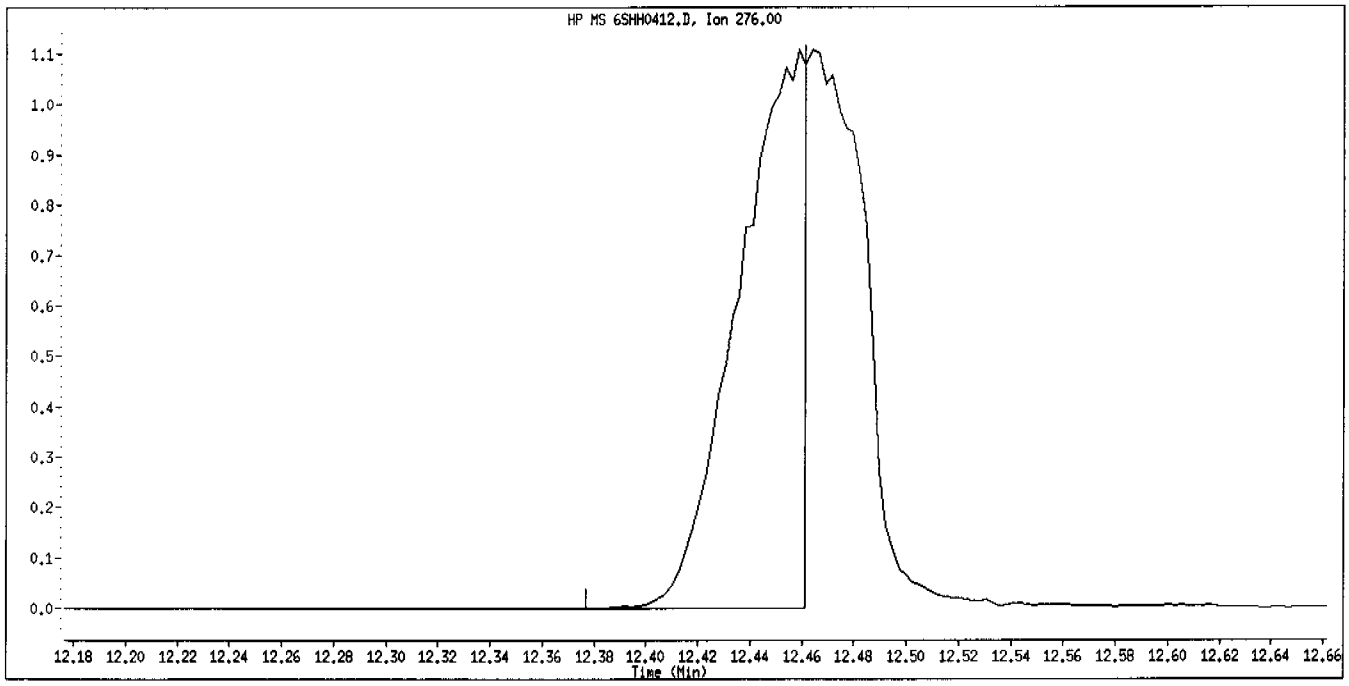
Original Integration



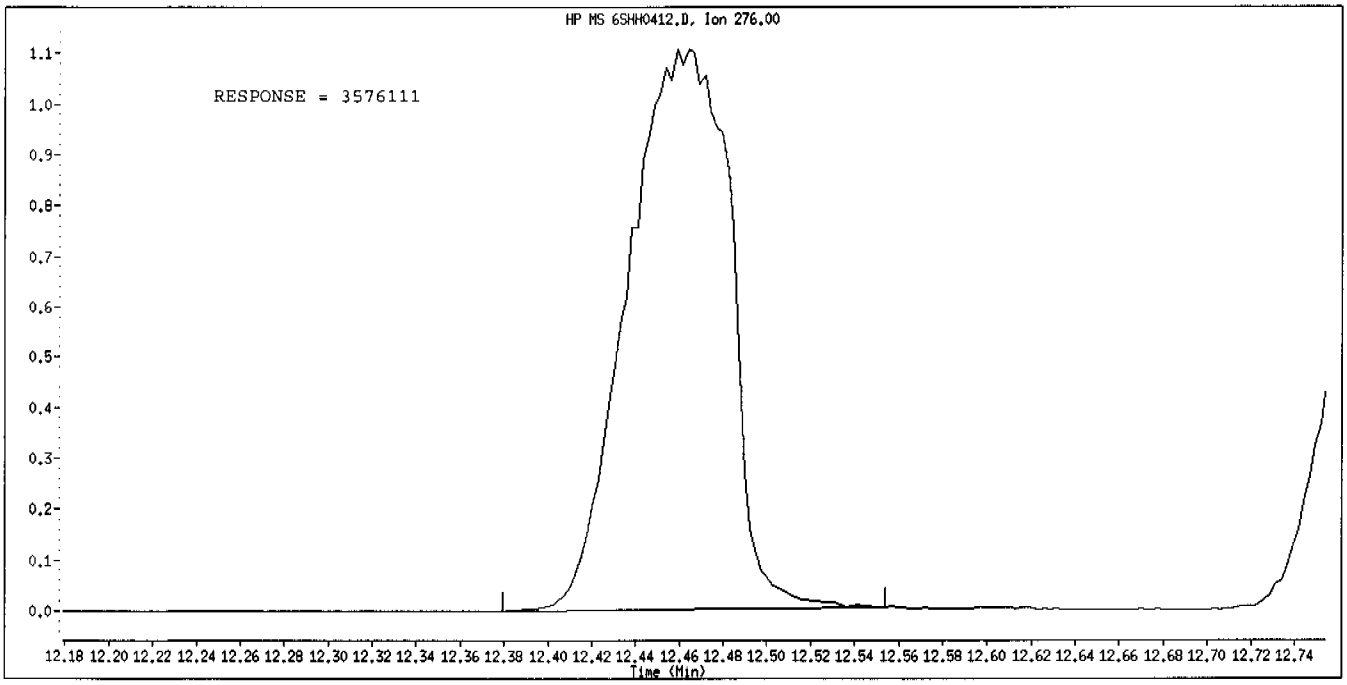
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 6SHH0412.D
Inj. Date and Time: 12-APR-2004 11:25
Instrument ID: a4hp6.i
Client ID:
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6HHH0412.D

Page 1

Date : 12-APR-2004 11:45

Client ID:

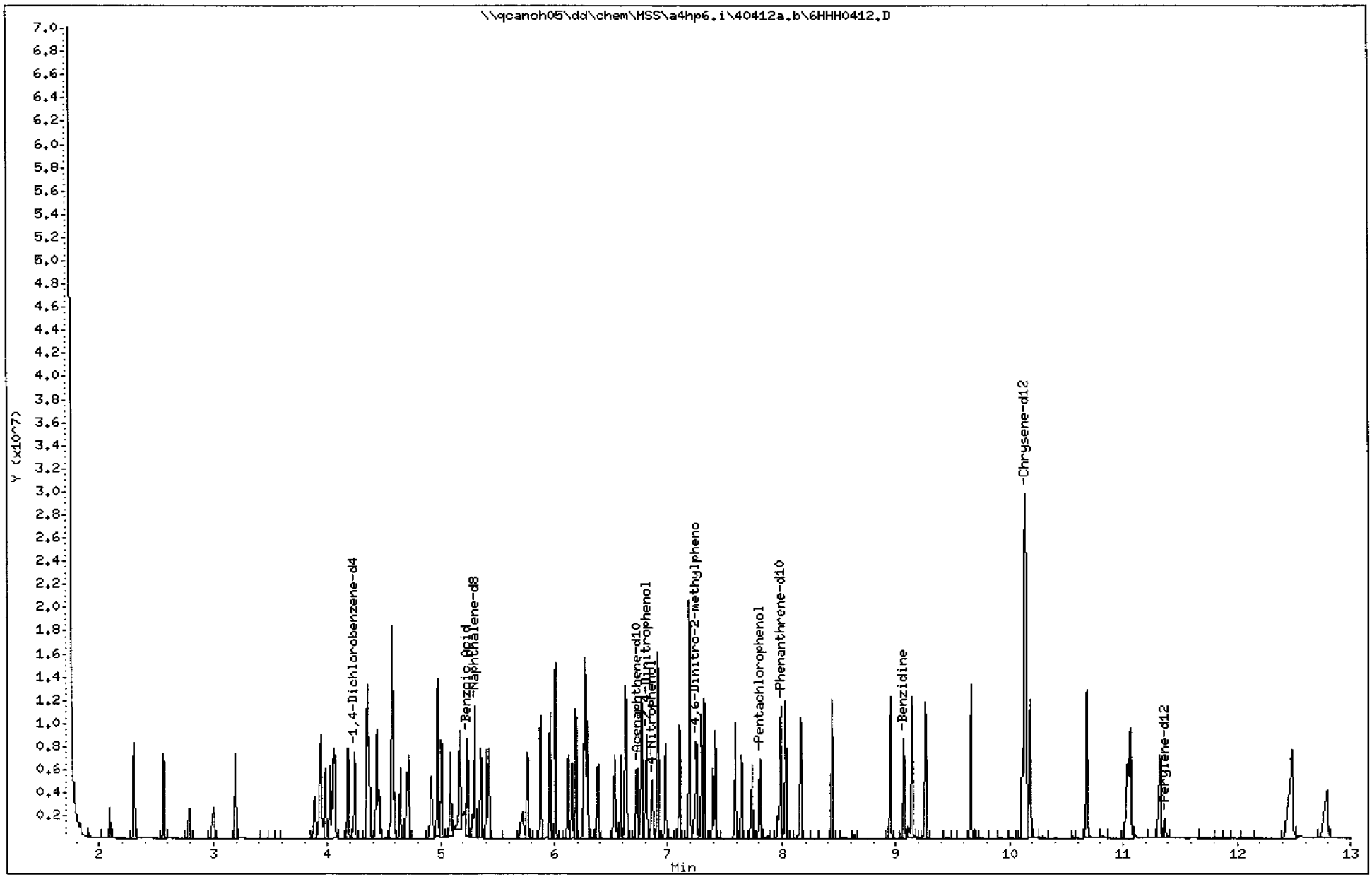
Instrument: a4hp6.i

Sample Info: 19,40412a.b,8270p,L9,sub,1,,9

Operator: 001710

Column phase: db5.625

Column diameter: 0.32



1146

STL North Canton

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

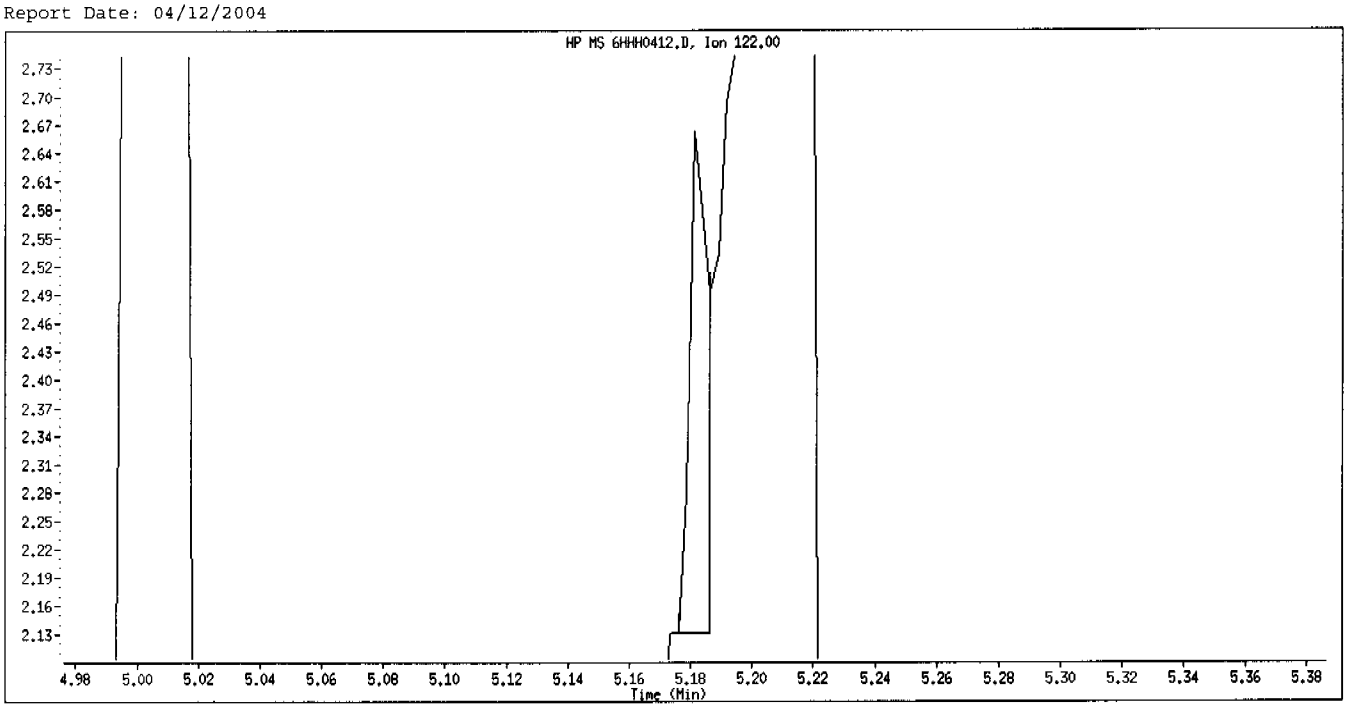
Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6HHH0412.D
Lab Smp Id: 19
Inj Date : 12-APR-2004 11:45 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 19,40412a.b,8270p,L9.sub,1,,9
Misc Info :
Comment : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Method : 12-Apr-2004 15:17 a4hp6.i Quant Type: ISTD
Meth Date : 12-APR-2004 12:46 Cal File: 6AHH0412.D
Cal Date : 12-APR-2004 12:46 Calibration Sample, Level: 9
Als bottle: 10
Dil Factor: 1.00000 Compound Sublist: L9.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.227	4.227	(1.000)	144741	2.00000	
* 2 Naphthalene-d8	136	5.284	5.284	(1.000)	531829	2.00000	
* 3 Acenaphthene-d10	164	6.739	6.739	(1.000)	300175	2.00000	
* 4 Phenanthrene-d10	188	7.960	7.960	(1.000)	569567	2.00000	
* 5 Chrysene-d12	240	10.154	10.154	(1.000)	552354	2.00000	
* 6 Perylene-d12	264	11.368	11.368	(1.000)	384966	2.00000	
49 Benzoic Acid	122	5.217	5.217	(0.987)	1648933	25.0000	30.004(M)
83 2,4-Dinitrophenol	184	6.814	6.814	(1.011)	921414	25.0000	29.291
85 4-Nitrophenol	109	6.865	6.865	(1.019)	587160	12.5000	13.797
98 4,6-Dinitro-2-methylphenol	198	7.256	7.256	(0.911)	551265	12.5000	13.447
111 Pentachlorophenol	266	7.806	7.806	(0.981)	513517	12.5000	13.210
124 Benzidine	184	9.074	9.074	(0.894)	2523535	12.5000	15.167

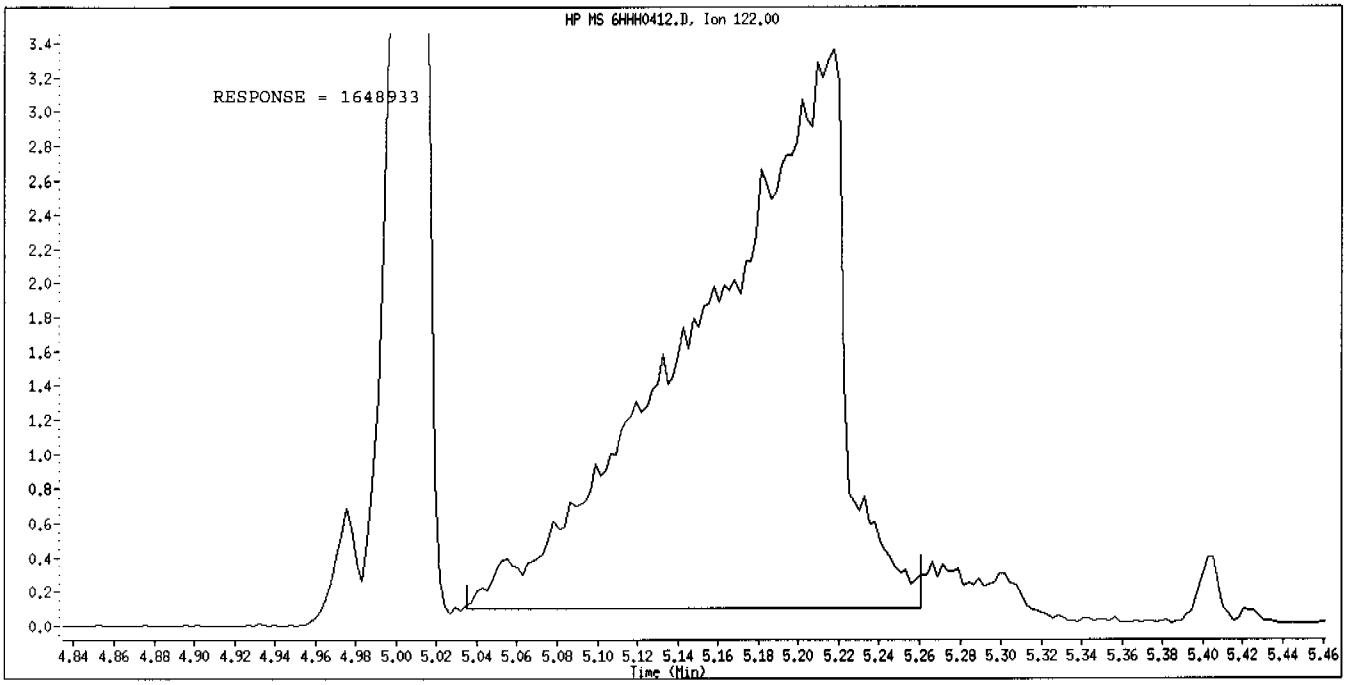
QC Flag Legend

M - Compound response manually integrated.

Data File Name: 6HHH0412.D
Inj. Date and Time: 12-APR-2004 11:45
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 12-APR-2004 12:06
Lab File ID: ICVTCL.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: icvtcl Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF3	CCAL RRF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
198 1,4-Dioxane	0.83130	0.90796	0.90796	0.010	-9.22147	50.00000	Averaged
9 Pyridine	2.23304	2.61347	2.61347	0.010	-17.03629	50.00000	Averaged
10 N-Nitrosodimethylamine	1.69534	1.80902	1.80902	0.010	-6.70513	50.00000	Averaged
12 3-Chloropropionitrile	0.89421	0.98261	0.98261	0.010	-9.88541	50.00000	Averaged
209 Benzaldehyde	2.50000	2.56152	1.92909	0.010	-2.46075	0.000e+000	Quadratic
21 Aniline	3.20644	3.56116	3.56116	0.010	-11.06269	50.00000	Averaged
22 Phenol	2.64254	3.02198	3.02198	0.010	-14.35891	20.00000	Averaged
23 bis(2-Chloroethyl)ether	1.92319	2.04308	2.04308	0.010	-6.23400	50.00000	Averaged
24 2-Chlorophenol	1.39266	1.54108	1.54108	0.010	-10.65782	50.00000	Averaged
26 1,3-Dichlorobenzene	1.27757	1.34080	1.34080	0.010	-4.94859	50.00000	Averaged
27 1,4-Dichlorobenzene	1.16329	1.17096	1.17096	0.010	-0.65913	20.00000	Averaged
28 1,2-Dichlorobenzene	1.23428	1.28471	1.28471	0.010	-4.08564	50.00000	Averaged
29 Benzyl Alcohol	1.22590	1.36599	1.36599	0.010	-11.42776	50.00000	Averaged
30 2-Methylphenol	1.74801	1.93346	1.93346	0.010	-10.60922	50.00000	Averaged
31 bis(2-Chloroisopropyl)ether	1.61737	1.77406	1.77406	0.010	-9.68791	50.00000	Averaged
37 Acetophenone	2.39836	2.54809	2.54809	0.010	-6.24303	50.00000	Averaged
32 N-Nitroso-di-n-propylamine	2.04327	2.23543	2.23543	0.050	-9.40419	50.00000	Averaged
192 4-Methylphenol	1.72261	2.02916	2.02916	0.010	-17.79583	50.00000	Averaged
34 Hexachloroethane	0.62233	0.68992	0.68992	0.010	-10.86029	50.00000	Averaged
35 Nitrobenzene	0.71946	0.77670	0.77670	0.010	-7.95711	50.00000	Averaged
41 Isophorone	1.15796	1.25328	1.25328	0.010	-8.23103	50.00000	Averaged
42 2-Nitrophenol	0.18712	0.21474	0.21474	0.010	-14.76024	20.00000	Averaged
43 2,4-Dimethylphenol	0.50562	0.54178	0.54178	0.010	-7.15131	50.00000	Averaged
44 bis(2-Chloroethoxy)methane	0.60970	0.65825	0.65825	0.010	-7.96190	50.00000	Averaged
46 2,4-Toluenediamene	2.50000	2.57801	0.08792	0.010	-3.12048	0.000e+000	Quadratic
47 1,3,5-Trichlorobenzene	0.28692	0.30099	0.30099	0.010	-4.90579	50.00000	Averaged
48 2,4-Dichlorophenol	0.28247	0.30972	0.30972	0.010	-9.64664	20.00000	Averaged
49 Benzoic Acid	5.00000	5.16556	0.22424	0.010	-3.31128	0.000e+000	Quadratic
50 1,2,4-Trichlorobenzene	0.28755	0.30249	0.30249	0.010	-5.19633	50.00000	Averaged
51 Naphthalene	1.01149	1.07387	1.07387	0.010	-6.16759	50.00000	Averaged
52 4-Chloroaniline	0.41479	0.45881	0.45881	0.010	-10.61198	50.00000	Averaged
56 Hexachlorobutadiene	0.17257	0.17451	0.17451	0.010	-1.12532	20.00000	Averaged
210 Caprolactam	0.13395	0.14733	0.14733	0.010	-9.99329	50.00000	Averaged
57 1,2,3-Trichlorobenzene	0.27249	0.29035	0.29035	0.010	-6.55412	50.00000	Averaged
59 4-Chloro-3-Methylphenol	0.42323	0.48579	0.48579	0.010	-14.78125	20.00000	Averaged
62 2-Methylnaphthalene	0.63625	0.66695	0.66695	0.010	-4.82619	50.00000	Averaged
63 1-Methylnaphthalene	0.61906	0.64027	0.64027	0.010	-3.42676	50.00000	Averaged
64 Hexachlorocyclopentadiene	0.35437	0.38908	0.38908	0.050	-9.79493	50.00000	Averaged
66 2,4,6-Trichlorophenol	0.38421	0.42455	0.42455	0.010	-10.49965	20.00000	Averaged
67 2,4,5-Trichlorophenol	0.40111	0.45207	0.45207	0.010	-12.70662	50.00000	Averaged
211 1,1'-Biphenyl	1.43736	1.48520	1.48520	0.010	-3.32829	50.00000	Averaged
68 1,2,3,5-Tetrachlorobenzene	0.50394	0.54836	0.54836	0.010	-8.81406	50.00000	Averaged

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 12-APR-2004 12:06
Lab File ID: ICVTCL.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: icvtcl Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF3	CCAL RRF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 2-Chloronaphthalene	1.04016	1.13920	1.13920	0.010	-9.52108	50.00000	Averaged
73 2-Nitroaniline	0.65287	0.74392	0.74392	0.010	-13.94568	50.00000	Averaged
74 1,2,3,4-Tetrachlorobenzene	0.48245	0.51867	0.51867	0.010	-7.50700	50.00000	Averaged
76 Dimethylphthalate	1.23702	1.30750	1.30750	0.010	-5.69802	50.00000	Averaged
78 2,6-Dinitrotoluene	0.26712	0.29011	0.29011	0.010	-8.60555	50.00000	Averaged
79 Acenaphthylene	1.82682	1.94438	1.94438	0.010	-6.43540	50.00000	Averaged
80 1,2-Dinitrobenzene	0.14532	0.16583	0.16583	0.010	-14.11516	50.00000	Averaged
81 3-Nitroaniline	0.30169	0.34579	0.34579	0.010	-14.61793	50.00000	Averaged
82 Acenaphthene	1.18983	1.27192	1.27192	0.010	-6.89938	20.00000	Averaged
83 2,4-Dinitrophenol	5.00000	4.96514	0.21455	0.050	0.69711	0.000e+000	Quadratic
85 4-Nitrophenol	2.50000	2.51694	0.29732	0.050	-0.67780	0.000e+000	Quadratic
86 Dibenzofuran	1.61682	1.71303	1.71303	0.010	-5.95051	50.00000	Averaged
87 2,4-Dinitrotoluene	0.37862	0.41792	0.41792	0.010	-10.37876	50.00000	Averaged
91 2,3,5,6-Tetrachlorophenol	0.34815	0.40092	0.40092	0.010	-15.15866	50.00000	Averaged
93 Diethylphthalate	1.32103	1.41321	1.41321	0.010	-6.97783	50.00000	Averaged
94 Fluorene	1.26622	1.33355	1.33355	0.010	-5.31753	50.00000	Averaged
95 4-Chlorophenyl-phenylether	0.63959	0.69299	0.69299	0.010	-8.34858	50.00000	Averaged
96 4-Nitroaniline	0.31832	0.35643	0.35643	0.010	-11.97224	50.00000	Averaged
98 4,6-Dinitro-2-methylphenol	0.14395	0.15072	0.15072	0.010	-4.70021	50.00000	Averaged
99 N-Nitrosodiphenylamine	0.51183	0.55662	0.55662	0.010	-8.75193	20.00000	Averaged
100 1,2-Diphenylhydrazine	1.35662	1.46006	1.46006	0.010	-7.62453	50.00000	Averaged
106 4-Bromophenyl-phenylether	0.18887	0.20179	0.20179	0.010	-6.84174	50.00000	Averaged
107 Hexachlorobenzene	0.17960	0.19105	0.19105	0.010	-6.37253	50.00000	Averaged
212 Atrazine	0.18358	0.18670	0.18670	0.010	-1.69707	50.00000	Averaged
111 Pentachlorophenol	0.13651	0.12870	0.12870	0.010	5.71586	20.00000	Averaged
115 Phenanthrene	1.02832	1.05810	1.05810	0.010	-2.89538	50.00000	Averaged
116 Anthracene	0.98391	1.04927	1.04927	0.010	-6.64344	50.00000	Averaged
119 Carbazole	0.93218	0.97742	0.97742	0.010	-4.85372	50.00000	Averaged
120 Di-n-Butylphthalate	1.19193	1.26577	1.26577	0.010	-6.19498	50.00000	Averaged
123 Fluoranthene	1.18266	1.22210	1.22210	0.010	-3.33441	20.00000	Averaged
124 Benzidine	2.50000	2.63314	0.62510	0.010	-5.32544	0.000e+000	Quadratic
125 Pyrene	1.26237	1.32436	1.32436	0.010	-4.91053	50.00000	Averaged
131 Butylbenzylphthalate	0.53111	0.57059	0.57059	0.010	-7.43229	50.00000	Averaged
133 3,3'-Dimethoxybenzidine	0.74551	0.80425	0.80425	0.010	-7.87962	50.00000	Averaged
135 3,3'-Dichlorobenzidine	0.40889	0.44695	0.44695	0.010	-9.30964	50.00000	Averaged
136 Benzo(a)Anthracene	1.16629	1.20988	1.20988	0.010	-3.73716	50.00000	Averaged
137 Chrysene	1.10731	1.16165	1.16165	0.010	-4.90711	50.00000	Averaged
138 4,4'-Methylene bis(o-chloro	0.20946	0.22215	0.22215	0.010	-6.05647	50.00000	Averaged
139 bis(2-ethylhexyl)Phthalate	0.78019	0.79459	0.79459	0.010	-1.84491	50.00000	Averaged
140 Di-n-octylphthalate	1.70730	1.77539	1.77539	0.010	-3.98816	20.00000	Averaged
141 Benzo(b)fluoranthene	1.53093	1.57359	1.57359	0.010	-2.78648	50.00000	Averaged
142 Benzo(k)fluoranthene	1.51563	1.69170	1.69170	0.010	-11.61703	50.00000	Averaged

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 12-APR-2004 12:06
Lab File ID: ICVTCL.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: icvtcl Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF3	CCAL RRF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
146 Benzo(a)pyrene	1.36440	1.44892	1.44892	0.010	-6.19468	20.00000	Averaged
149 Indeno(1,2,3-cd)pyrene	1.50365	1.63098	1.63098	0.010	-8.46787	50.00000	Averaged
150 Dibenz(a,h)anthracene	1.26295	1.29095	1.29095	0.010	-2.21640	50.00000	Averaged
151 Benzo(g,h,i)perylene	1.26036	1.34094	1.34094	0.010	-6.39315	50.00000	Averaged
$ 154 Nitrobenzene-d5	0.67083	0.72311	0.72311	0.010	-7.79364	50.00000	Averaged
$ 155 2-Fluorobiphenyl	1.33149	1.41841	1.41841	0.010	-6.52826	50.00000	Averaged
$ 156 Terphenyl-d14	0.76043	0.80425	0.80425	0.010	-5.76313	50.00000	Averaged
$ 157 Phenol-d5	2.32069	2.69204	2.69204	0.010	-16.00159	50.00000	Averaged
$ 158 2-Fluorophenol	1.46887	1.68587	1.68587	0.010	-14.77279	50.00000	Averaged
$ 159 2,4,6-Tribromophenol	0.15381	0.17311	0.17311	0.010	-12.54468	50.00000	Averaged
$ 186 2-Chlorophenol-d4	1.34632	1.47306	1.47306	0.010	-9.41369	50.00000	Averaged
$ 187 1,2-Dichlorobenzene-d4	0.81001	0.85762	0.85762	0.010	-5.87781	50.00000	Averaged
M 195 Cresols, total	3.47062	3.96262	3.96262	0.010	-14.17622	50.00000	Averaged
101 Diphenylamine	0.51183	0.55662	0.55662	0.010	-8.75193	50.00000	Averaged

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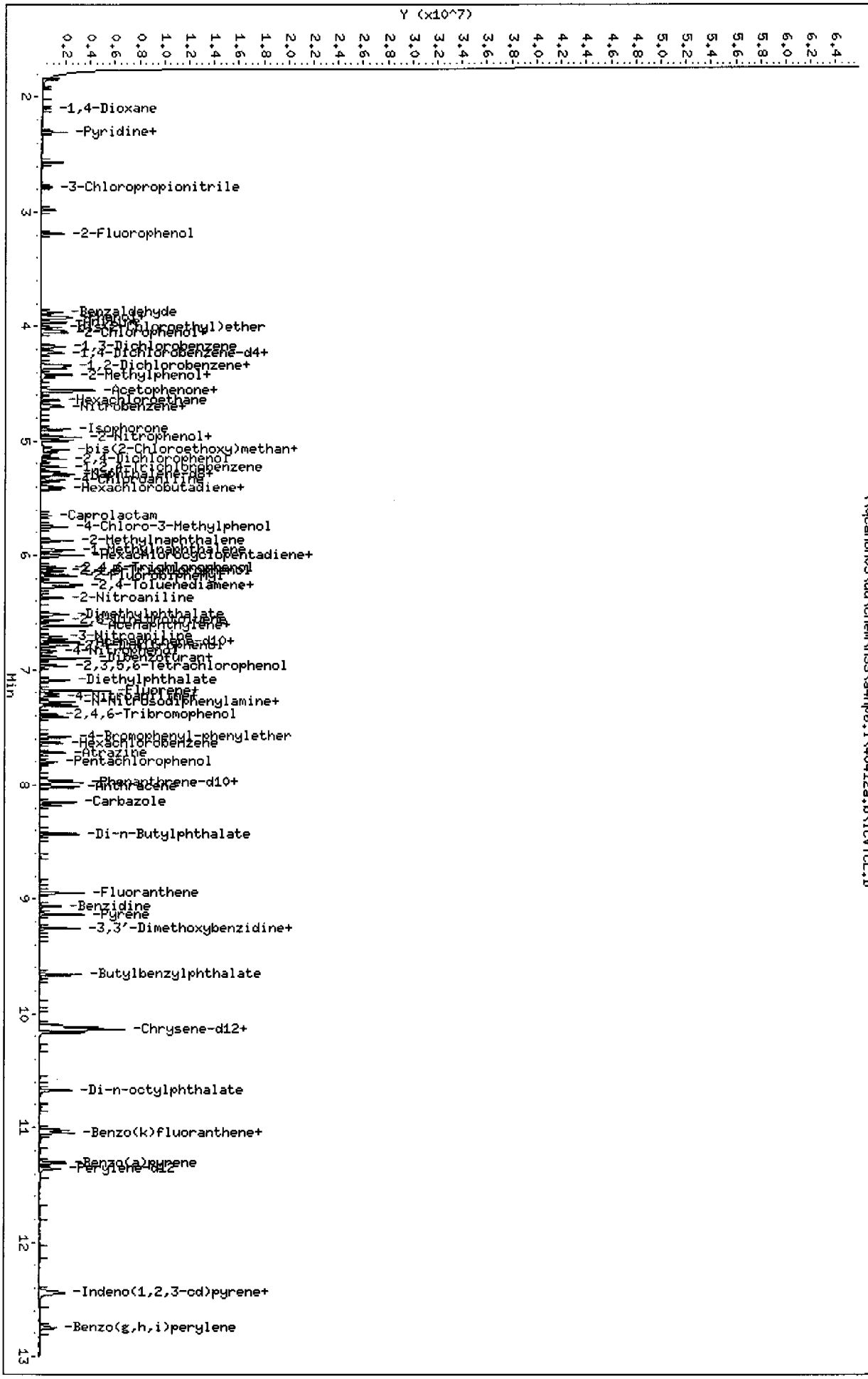
Date : 12-APR-2004 12:06
Client ID:
Sample Info: icvtcl,40412a,b,8270p,3-827042,sub,2
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\ICVTCL.D
Lab Smp Id: icvtcl
Inj Date : 12-APR-2004 12:06
Operator : 001710 Inst ID: a4hp6.i
Smp Info : icvtcl,40412a.b,8270p,3-827042.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 16:29 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 13:28 Cal File: 6AMH0412.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.221	4.221	(1.000)	147951	2.00000	
* 2 Naphthalene-d8	136	5.278	5.278	(1.000)	577736	2.00000	
* 3 Acenaphthene-d10	164	6.733	6.733	(1.000)	329487	2.00000	
* 4 Phenanthrene-d10	188	7.955	7.955	(1.000)	623851	2.00000	
* 5 Chrysene-d12	240	10.143	10.143	(1.000)	609291	2.00000	
* 6 Perylene d12	264	11.357	11.357	(1.000)	424465	2.00000	
198 1,4-Dioxane	88	2.097	2.097	(0.497)	167917	2.50000	2.7305
9 Pyridine	79	2.305	2.305	(0.546)	483332	2.50000	2.9259
10 N-Nitrosodimethylamine	74	2.300	2.300	(0.545)	334557	2.50000	2.6676
12 3-Chloropropionitrile	54	2.778	2.778	(0.658)	181722	2.50000	2.7471
209 Benzaldehyde	77	3.879	3.879	(0.919)	356764	2.50000	2.5615
21 Aniline	93	3.964	3.964	(0.939)	658597	2.50000	2.7766
22 Phenol	94	3.928	3.928	(0.931)	558882	2.50000	2.8590
23 bis(2-Chloroethyl)ether	93	4.010	4.010	(0.950)	377844	2.50000	2.6558
24 2-Chlorophenol	128	4.051	4.051	(0.960)	285006	2.50000	2.7664
26 1,3-Dichlorobenzene	146	4.177	4.177	(0.990)	247965	2.50000	2.6237
27 1,4-Dichlorobenzene	146	4.236	4.236	(1.004)	216556	2.50000	2.5165
28 1,2-Dichlorobenzene	146	4.362	4.362	(1.034)	237592	2.50000	2.6021
29 Benzyl Alcohol	108	4.339	4.339	(1.028)	252624	2.50000	2.7857
30 2-Methylphenol	108	4.424	4.424	(1.048)	357572	2.50000	2.7652
31 bis(2-Chloroisopropyl)ether	45	4.450	4.450	(1.054)	328093	2.50000	2.7422
37 Acetophenone	105	4.558	4.558	(1.080)	471240	2.50000	2.6561
32 N-Nitroso-di-n-propylamine	70	4.563	4.563	(1.081)	413417	2.50000	2.7351
192 4-Methylphenol	108	4.553	4.553	(1.079)	375270	2.50000	2.9449
34 Hexachloroethane	117	4.637	4.637	(1.099)	127593	2.50000	2.7715
35 Nitrobenzene	77	4.702	4.702	(0.891)	560913	2.50000	2.6989
41 Isophorone	82	4.897	4.897	(0.928)	905079	2.50000	2.7058
42 2-Nitrophenol	139	4.964	4.964	(0.941)	155081	2.50000	2.8690
43 2,4-Dimethylphenol	107	4.995	4.995	(0.946)	391257	2.50000	2.6788
44 bis(2-Chloroethoxy)methane	93	5.077	5.077	(0.962)	475365	2.50000	2.6990
46 2,4-Toluenediamene	121	6.247	6.247	(1.184)	63494	2.50000	2.5780
47 1,3,5-Trichlorobenzene	180	4.969	4.969	(0.942)	217367	2.50000	2.6226
48 2,4-Dichlorophenol	162	5.157	5.157	(0.977)	223673	2.50000	2.7412

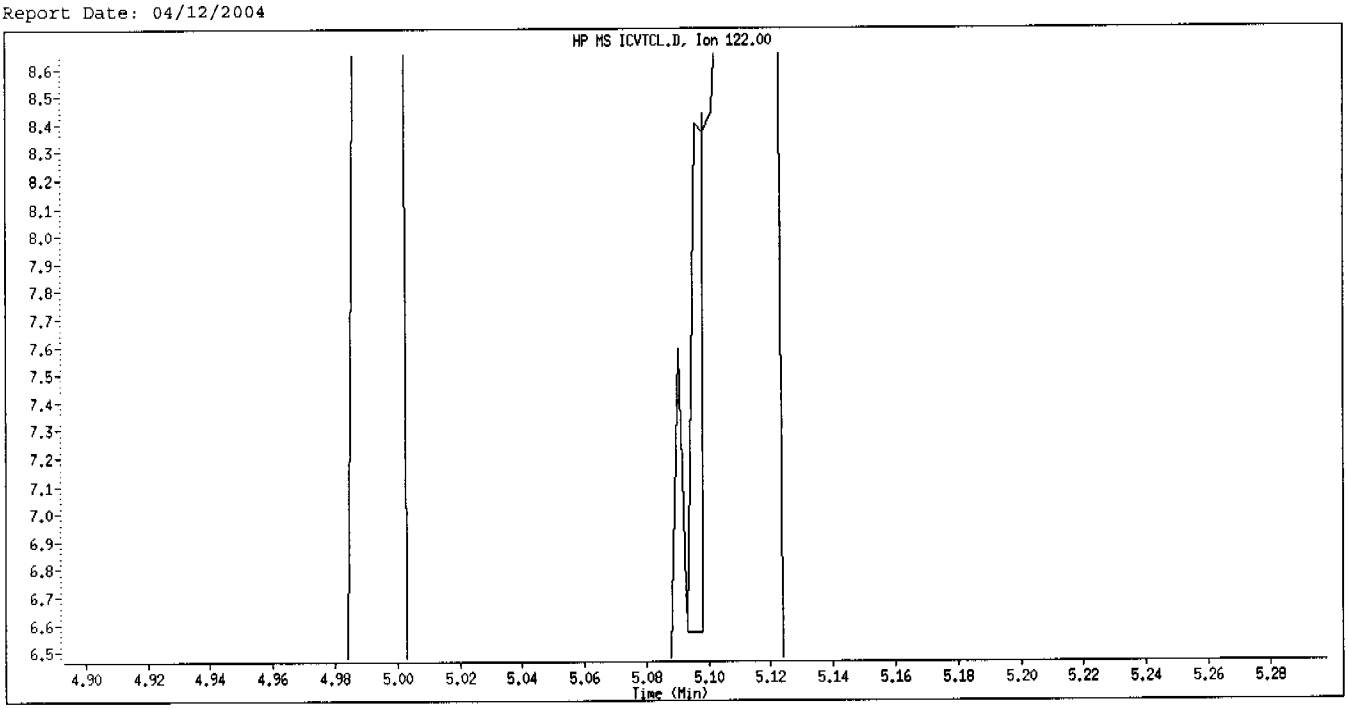
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.116	5.116	(0.969)	323882	5.00000	5.1656(M)
50 1,2,4-Trichlorobenzene	180	5.229	5.229	(0.991)	218452	2.50000	2.6299
51 Naphthalene	128	5.296	5.296	(1.003)	775518	2.50000	2.6542
52 4-Chloroaniline	127	5.342	5.342	(1.012)	331338	2.50000	2.7653
56 Hexachlorobutadiene	225	5.396	5.396	(1.022)	126026	2.50000	2.5281
210 Caprolactam	113	5.651	5.651	(1.071)	106398	2.50000	2.7498
57 1,2,3-Trichlorobenzene	180	5.417	5.417	(1.026)	209685	2.50000	2.6638
59 4-Chloro-3-Methylphenol	107	5.746	5.746	(1.089)	350822	2.50000	2.8695
62 2-Methylnaphthalene	142	5.869	5.869	(1.112)	481654	2.50000	2.6206
63 1-Methylnaphthalene	142	5.951	5.951	(1.128)	462385	2.50000	2.5857
64 Hexachlorocyclopentadiene	237	6.000	6.000	(0.891)	160244	2.50000	2.7449
66 2,4,6-Trichlorophenol	196	6.106	6.106	(0.907)	174856	2.50000	2.7625
67 2,4,5-Trichlorophenol	196	6.134	6.134	(0.911)	186191	2.50000	2.8177
211 1,1'-Biphenyl	154	6.257	6.257	(0.929)	611693	2.50000	2.5832
68 1,2,3,5-Tetrachlorobenzene	216	5.998	5.998	(0.891)	225846	2.50000	2.7204
70 2-Chloronaphthalene	162	6.273	6.273	(0.932)	469188	2.50000	2.7380
73 2-Nitroaniline	65	6.365	6.365	(0.945)	306389	2.50000	2.8486
74 1,2,3,4-Tetrachlorobenzene	216	6.245	6.245	(0.927)	213618	2.50000	2.6877
76 Dimethylphthalate	163	6.515	6.515	(0.968)	538507	2.50000	2.6424
78 2,6-Dinitrotoluene	165	6.563	6.563	(0.975)	119485	2.50000	2.7151
79 Acenaphthylene	152	6.617	6.617	(0.983)	800811	2.50000	2.6609
80 1,2-Dinitrobenzene	168	6.615	6.615	(0.982)	68300	2.50000	2.8529
81 3-Nitroaniline	138	6.707	6.707	(0.996)	142415	2.50000	2.8654
82 Acenaphthene	153	6.761	6.761	(1.004)	523851	2.50000	2.6725
83 2,4-Dinitrophenol	184	6.792	6.792	(1.009)	176730	5.00000	4.9651
85 4-Nitrophenol	109	6.839	6.839	(1.016)	122455	2.50000	2.5169
86 Dibenzofuran	168	6.903	6.903	(1.025)	705526	2.50000	2.6488
87 2,4-Dinitrotoluene	165	6.898	6.898	(1.024)	172124	2.50000	2.7595
91 2,3,5,6-Tetrachlorophenol	232	6.967	6.967	(1.035)	165123	2.50000	2.8790
93 Diethylphthalate	149	7.093	7.093	(1.053)	582043	2.50000	2.6744
94 Fluorene	166	7.183	7.183	(1.067)	549233	2.50000	2.6329
95 4-Chlorophenyl-phenylether	204	7.183	7.183	(1.067)	285414	2.50000	2.7087
96 4-Nitroaniline	138	7.214	7.214	(1.071)	146797	2.50000	2.7993
98 4,6-Dinitro-2-methylphenol	198	7.229	7.229	(0.909)	117531	2.50000	2.6175(H)
99 N-Nitrosodiphenylamine	169	7.283	7.283	(0.916)	434062	2.50000	2.7188
100 1,2-Diphenylhydrazine	77	7.312	7.312	(0.919)	1138572	2.50000	2.6906
106 4-Bromophenyl-phenylether	248	7.584	7.584	(0.953)	157360	2.50000	2.6710
107 Hexachlorobenzene	284	7.638	7.638	(0.960)	148981	2.50000	2.6593
212 Atrazine	200	7.721	7.721	(0.971)	145589	2.50000	2.5424
111 Pentachlorophenol	266	7.800	7.800	(0.981)	100365	2.50000	2.3571
115 Phenanthrene	178	7.975	7.975	(1.003)	825120	2.50000	2.5724
116 Anthracene	178	8.016	8.016	(1.008)	818239	2.50000	2.6661
119 Carbazole	167	8.150	8.150	(1.025)	762209	2.50000	2.6213
120 Di-n-Butylphthalate	149	8.428	8.428	(1.059)	987063	2.50000	2.6549
123 Fluoranthene	202	8.947	8.947	(1.125)	953007	2.50000	2.5834
124 Benzidine	184	9.063	9.063	(0.894)	476084	2.50000	2.6331
125 Pyrene	202	9.135	9.135	(0.901)	1008650	2.50000	2.6228
131 Butylbenzylphthalate	149	9.657	9.657	(0.952)	434568	2.50000	2.6858
133 3,3'-Dimethoxybenzidine	244	9.256	9.256	(0.913)	612530	2.50000	2.6970
135 3,3'-Dichlorobenzidine	252	10.112	10.112	(0.997)	340405	2.50000	2.7327
136 Benzo(a)Anthracene	228	10.130	10.130	(0.999)	921459	2.50000	2.5934
137 Chrysene	228	10.163	10.163	(1.002)	884728	2.50000	2.6227
138 4,4'-Methylene bis(o-chloroan	231	10.115	10.115	(0.997)	169192	2.50000	2.6514
139 bis(2-ethylhexyl)Phthalate	149	10.133	10.133	(0.999)	605168	2.50000	2.5461

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.670	10.670	(0.940)	941987	2.50000	2.5997
141 Benzo(b)fluoranthene	252	11.020	11.020	(0.970)	834916	2.50000	2.5697(H)
142 Benzo(k)fluoranthene	252	11.045	11.045	(0.973)	897585	2.50000	2.7904
146 Benzo(a)pyrene	252	11.308	11.308	(0.996)	768770	2.50000	2.6549
149 Indeno(1,2,3-cd)pyrene	276	12.432	12.432	(1.095)	865366	2.50000	2.7117
150 Dibenz(a,h)anthracene	278	12.444	12.444	(1.096)	684952	2.50000	2.5554
151 Benzo(g,h,i)perylene	276	12.750	12.750	(1.123)	711477	2.50000	2.6598
$ 154 Nitrobenzene-d5	82	4.686	4.686	(0.888)	522211	2.50000	2.6948
$ 155 2-Fluorobiphenyl	172	6.175	6.175	(0.917)	584184	2.50000	2.6632
$ 156 Terphenyl-d14	244	9.256	9.256	(0.913)	612530	2.50000	2.6441
$ 157 Phenol-d5	99	3.915	3.915	(0.927)	497863	2.50000	2.9000
$ 158 2-Fluorophenol	112	3.190	3.190	(0.756)	311782	2.50000	2.8693
$ 159 2,4,6-Tribromophenol	330	7.384	7.384	(1.097)	71295	2.50000	2.8136
$ 186 2-Chlorophenol-d4	132	4.038	4.038	(0.957)	272426	2.50000	2.7353
$ 187 1,2-Dichlorobenzene-d4	152	4.349	4.349	(1.030)	158607	2.50000	2.6469
M 195 Cresols, total	100				732842	2.50000	5.7101
101 Diphenylamine	169	7.283	7.283	(0.916)	434062	2.50000	2.7188

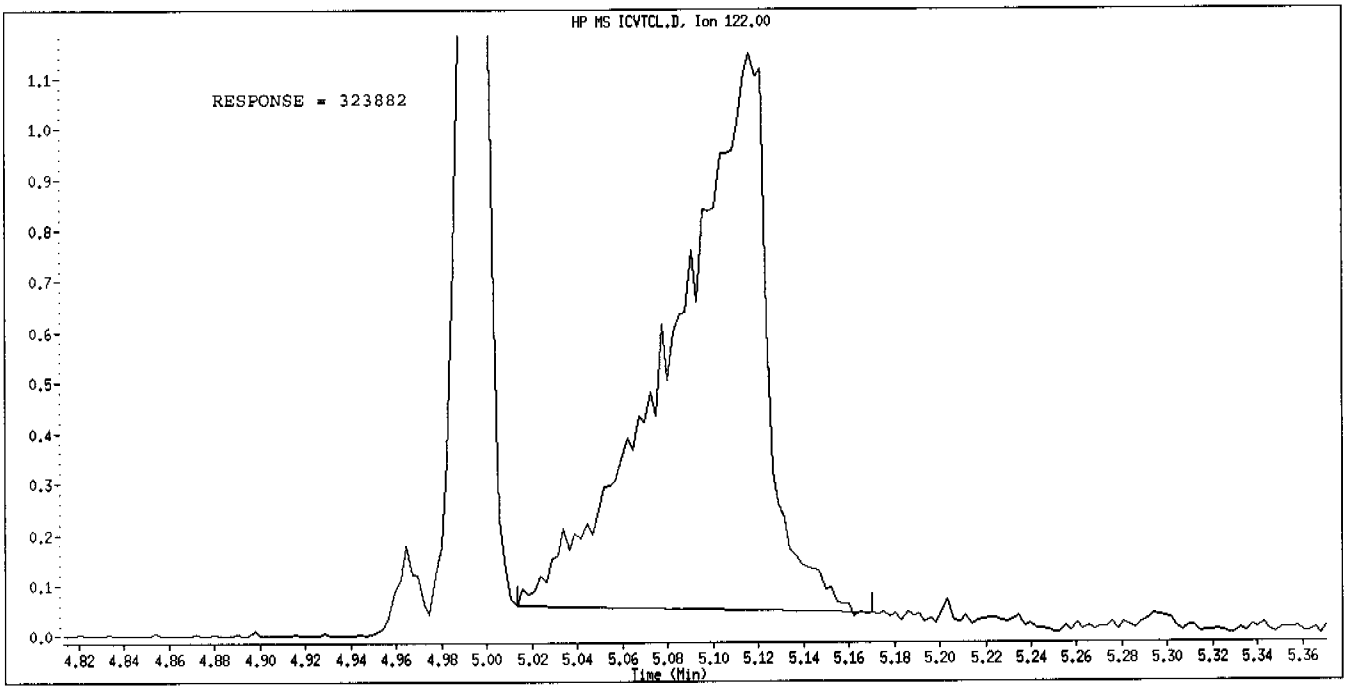
QC Flag Legend

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

Data File Name: ICVTCL.D
Inj. Date and Time: 12-APR-2004 12:06
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

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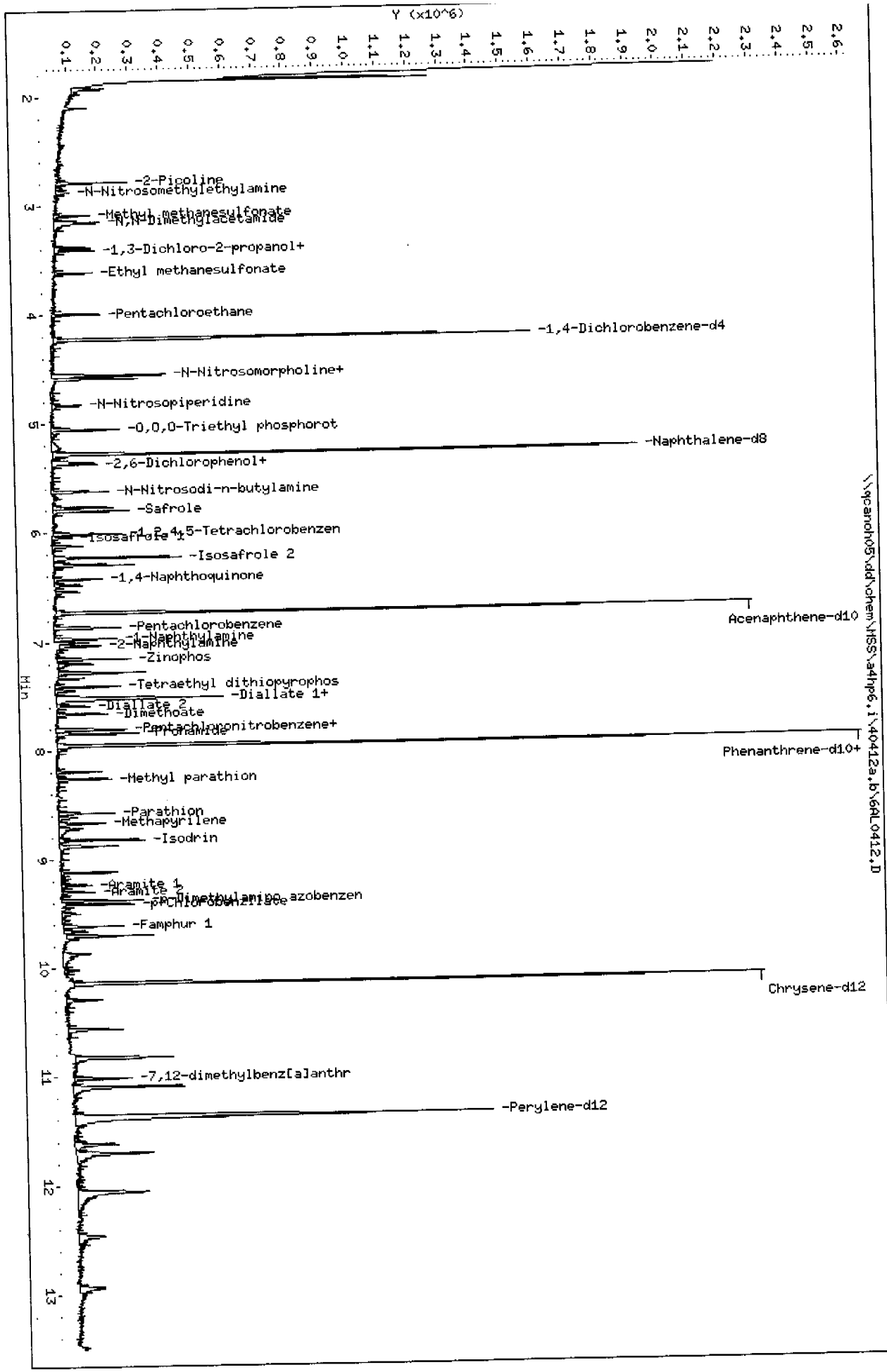
Date : 12-APR-2004 14:51
Client ID:
Sample Info: 12,40412a,b,8270p,2-ap9,sub,1,,2
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AL0412.D
Lab Smp Id: 12
Inj Date : 12-APR-2004 14:51
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 12,40412a.b,8270p,2-ap9.sub,1,,2
Misc Info :
Comment :
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Meth Date : 12-Apr-2004 15:17 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:30 Cal File: 6AML0412.D
Als bottle: 19 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.223	4.223	(1.000)	139269	2.00000	
* 2 Naphthalene-d8	136	5.277	5.277	(1.000)	560695	2.00000	
* 3 Acenaphthene-d10	164	6.732	6.732	(1.000)	310436	2.00000	
* 4 Phenanthrene-d10	188	7.954	7.954	(1.000)	578860	2.00000	
* 5 Chrysene-d12	240	10.137	10.137	(1.000)	535772	2.00000	
* 6 Perylene-d12	264	11.359	11.359	(1.000)	359210	2.00000	
7 N-Nitrosomorpholine	56	4.578	4.578	(1.084)	19813	0.25000	0.25864
8 Ethyl methanesulfonate	79	3.616	3.616	(0.856)	40549	0.25000	0.26608
14 2-Picoline	93	2.790	2.790	(0.661)	45562	0.25000	0.25883
15 N-Nitrosomethylethylamine	88	2.875	2.875	(0.681)	17126	0.25000	0.21284(Q)
16 Methyl methanesulfonate	80	3.091	3.091	(0.732)	28532	0.25000	0.25194
18 1,3-Dichloro-2-propanol	79	3.408	3.408	(0.807)	49994	0.25000	0.24028
19 N-Nitrosodiethylamine	102	3.384	3.384	(0.801)	19390	0.25000	0.25620
25 Pentachloroethane	167	3.994	3.994	(0.946)	9597	0.25000	0.25177
36 N-Nitrosopyrrolidine	100	4.547	4.547	(1.077)	17104	0.25000	0.24591
39 o-Toluidine	106	4.585	4.585	(1.086)	53163	0.25000	0.23781
40 N-Nitrosopiperidine	114	4.827	4.827	(0.915)	16352	0.25000	0.26246
45 O,O,O-Triethyl phosphorothioa	198	5.048	5.048	(0.957)	11696	0.25000	0.22670(Q)
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	5.346	5.346	(1.013)	15518	0.25000	0.21288(Q)
55 Hexachloropropene	213	5.370	5.370	(1.018)	14359	0.25000	0.21683
58 N-Nitrosodi-n-butylamine	84	5.619	5.619	(1.065)	27142	0.25000	0.21739
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	5.796	5.796	(1.098)	19553	0.25000	0.25306
65 1,2,4,5-Tetrachlorobenzene	216	6.010	6.010	(0.893)	24625	0.25000	0.27166
71 Isosafrole 1	162	6.038	6.038	(0.897)	6246	0.25000	0.26437(Q)
72 Isosafrole 2	162	6.228	6.228	(0.925)	36049	0.25000	0.24336
75 1,4-Naphthoquinone	158	6.421	6.421	(0.954)	15779	0.25000	0.25990
84 Pentachlorobenzene	250	6.866	6.866	(1.020)	19175	0.25000	0.25339
89 1-Naphthylamine	143	6.969	6.969	(1.035)	38228	0.25000	0.20953
92 2-Naphthylamine	143	7.033	7.033	(1.045)	39963	0.25000	0.22949
90 Zinophos	97	7.154	7.154	(1.063)	16459	0.25000	0.22665
102 Tetraethyl dithiopyrophosphat	202	7.406	7.406	(0.931)	6828	0.25000	0.22374(Q)

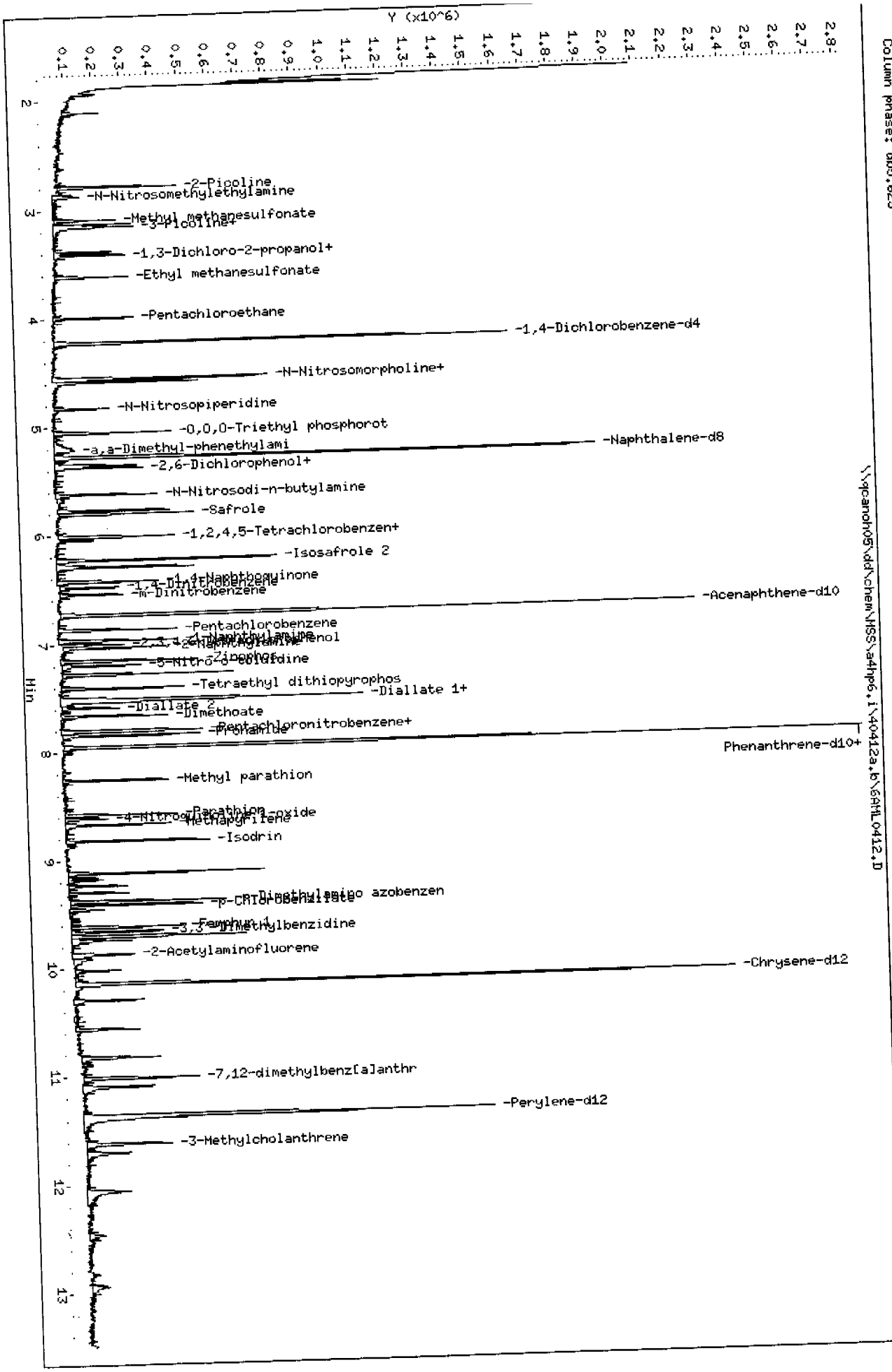
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.514	7.514	(0.945)	70051	0.25000	0.24777
109 Diallate 2	86	7.589	7.589	(0.954)	14781	0.25000	0.24670(Q)
104 Phorate	121	7.522	7.522	(0.946)	11458	0.25000	0.23287(Q)
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
110 Dimethoate	87	7.661	7.661	(0.963)	29152	0.25000	0.22499
112 Pentachloronitrobenzene	237	7.810	7.810	(0.982)	7084	0.25000	0.23835
113 4-Aminobiphenyl	169	7.800	7.800	(0.981)	44576	0.25000	0.20093
114 Pronamide	173	7.846	7.846	(0.986)	22292	0.25000	0.21539
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	7.949	7.949	(0.999)	61523	0.25000	0.29209
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	8.666	8.666	(1.090)	33049	0.25000	0.23046
126 Aramite 1	185	9.234	9.234	(0.911)	4002	0.25000	0.22207
127 Aramite 2	185	9.294	9.294	(0.917)	5323	0.25000	0.23640(Q)
128 p-Dimethylamino azobenzene	225	9.373	9.373	(0.925)	14680	0.25000	0.19974(Q)
129 p-Chlorobenzilate	139	9.407	9.407	(0.928)	26581	0.25000	0.23344
130 Famphur 1	218	9.612	9.612	(0.948)	28153	0.25000	0.52274
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	11.009	11.009	(0.969)	30632	0.25000	0.22910
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
193 3-Methylphenol	108	4.552	4.552	(1.078)	25663	0.25000	0.21272
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	3.156	3.156	(0.747)	26733	0.25000	0.26964
225 Methyl parathion	109	8.260	8.260	(1.038)	21559	0.25000	0.22534
226 Parathion	97	8.576	8.576	(1.078)	14234	0.25000	0.20118
227 Isodrin	66	8.820	8.820	(1.109)	17145	0.25000	0.25293
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AHL0412.D
Date : 12-APR-2004 14:30
Client ID:
Sample Info: 13,40412a,b,8270p,2-ap9,sub,1,,3
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AML0412.D
Lab Smp Id: 13
Inj Date : 12-APR-2004 14:30 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 13,40412a.b,8270p,2-ap9.sub,1,,3
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:17 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:09 Cal File: 6AM0412.D
Als bottle: 18 Calibration Sample, Level: 3
Dil Factor: 1.00000 Compound Sublist: 2-ap9.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

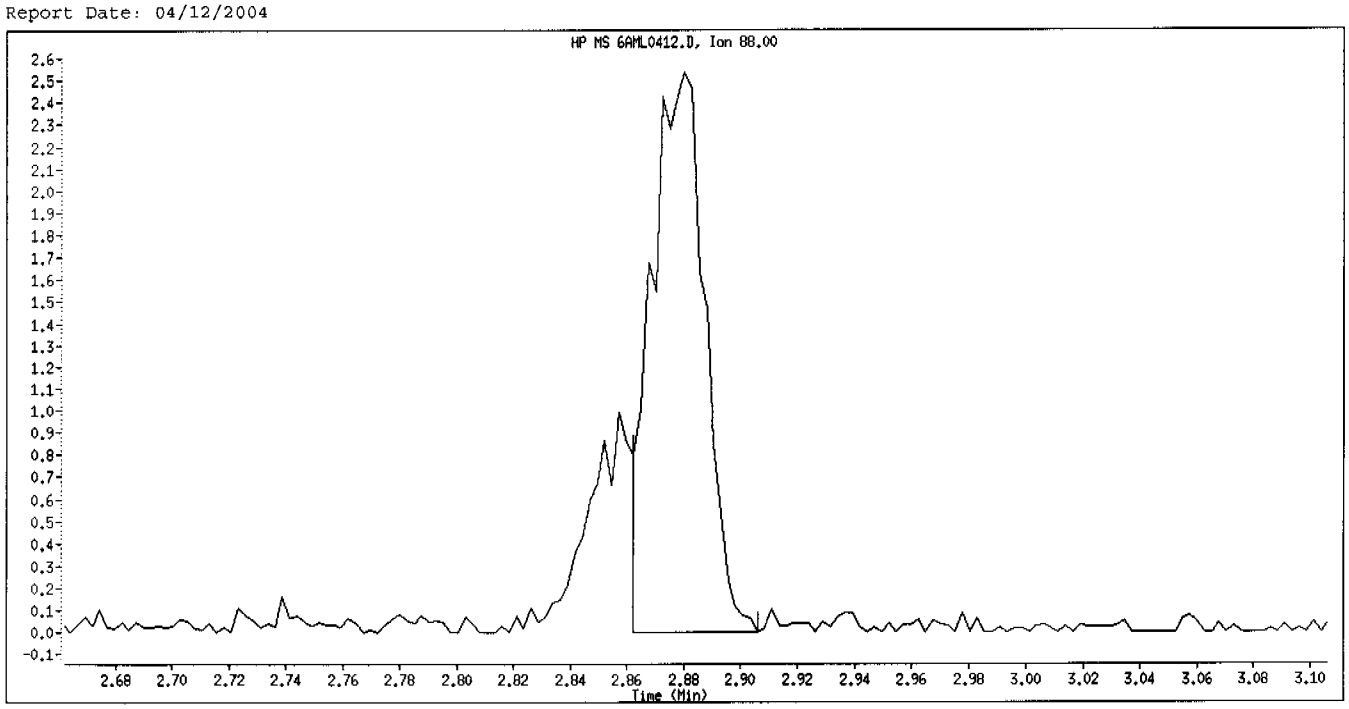
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.222	4.222	(1.000)	143283	2.00000	
* 2 Naphthalene-d8	136	5.276	5.276	(1.000)	571190	2.00000	
* 3 Acenaphthene-d10	164	6.732	6.732	(1.000)	325748	2.00000	
* 4 Phenanthrene-d10	188	7.953	7.953	(1.000)	586607	2.00000	
* 5 Chrysene-d12	240	10.139	10.139	(1.000)	559608	2.00000	
* 6 Perylene-d12	264	11.355	11.355	(1.000)	366679	2.00000	
7 N-Nitrosomorpholine	56	4.574	4.574	(1.083)	39835	0.50000	0.50544
8 Ethyl methanesulfonate	79	3.615	3.615	(0.856)	75357	0.50000	0.48064
14 2-Picoline	93	2.790	2.790	(0.661)	86289	0.50000	0.47646
15 N-Nitrosomethylethylamine	88	2.880	2.880	(0.682)	42590	0.50000	0.51449(M)
16 Methyl methanesulfonate	80	3.091	3.091	(0.732)	58480	0.50000	0.50191
18 1,3-Dichloro-2-propanol	79	3.409	3.409	(0.808)	101423	0.50000	0.47380
19 N-Nitrosodiethylamine	102	3.384	3.384	(0.801)	37817	0.50000	0.48567
25 Pentachloroethane	167	3.991	3.991	(0.945)	18771	0.50000	0.47865
36 N-Nitrosopyrrolidine	100	4.549	4.549	(1.077)	34649	0.50000	0.48421
39 o-Toluidine	106	4.585	4.585	(1.086)	104779	0.50000	0.45557
40 N-Nitrosopiperidine	114	4.829	4.829	(0.915)	31016	0.50000	0.48868
45 O,O,O-Triethyl phosphorothioa	198	5.050	5.050	(0.957)	26470	0.50000	0.50362
53 a,a-Dimethyl-phenethylamine	58	5.209	5.209	(0.987)	113109	0.50000	0.35915
54 2,6-Dichlorophenol	162	5.348	5.348	(1.014)	33619	0.50000	0.45272
55 Hexachloropropene	213	5.369	5.369	(1.018)	33933	0.50000	0.50301
58 N-Nitrosodi-n-butylamine	84	5.618	5.618	(1.065)	62879	0.50000	0.49437
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	5.796	5.796	(1.098)	39093	0.50000	0.49666
65 1,2,4,5-Tetrachlorobenzene	216	6.007	6.007	(0.892)	47457	0.50000	0.49892
71 Isosafrole 1	162	6.037	6.037	(0.897)	10084	0.50000	0.40676
72 Isosafrole 2	162	6.228	6.228	(0.925)	72215	0.50000	0.46460
75 1,4-Naphthoquinone	158	6.421	6.421	(0.954)	33666	0.50000	0.52844
84 Pentachlorobenzene	250	6.868	6.868	(1.020)	38314	0.50000	0.48251
89 1-Naphthylamine	143	6.968	6.968	(1.035)	83359	0.50000	0.43542
92 2-Naphthylamine	143	7.033	7.033	(1.045)	77154	0.50000	0.42224
90 Zinophos	97	7.153	7.153	(1.063)	35086	0.50000	0.46045
102 Tetraethyl dithiopyrophosphat	202	7.405	7.405	(0.931)	14768	0.50000	0.47752

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.513	7.513	(0.945)	137262	0.50000	0.47909
109 Diallate 2	86	7.588	7.588	(0.954)	27003	0.50000	0.44473
104 Phorate	121	7.521	7.521	(0.946)	24213	0.50000	0.48560
105 1,3,5-Trinitrobenzene	213	7.501	7.501	(0.943)	8707	0.50000	0.34410
108 Phenacetin	108	7.534	7.534	(0.947)	60591	0.50000	0.38110
110 Dimethoate	87	7.663	7.663	(0.963)	58421	0.50000	0.44494
112 Pentachloronitrobenzene	237	7.809	7.809	(0.982)	13421	0.50000	0.44560
113 4-Aminobiphenyl	169	7.802	7.802	(0.981)	97583	0.50000	0.43406
114 Pronamide	173	7.843	7.843	(0.986)	46537	0.50000	0.44371
117 Dinoseb	211	7.948	7.948	(0.999)	15847	0.50000	0.29178
118 Disulfoton	88	7.948	7.948	(0.999)	104136	0.50000	0.48787
121 4-Nitroquinoline 1-oxide	190	8.612	8.612	(1.083)	4099	0.50000	0.14566(Q)
122 Methapyrilene	58	8.666	8.666	(1.090)	75191	0.50000	0.51741
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	9.373	9.373	(0.924)	36503	0.50000	0.47553
129 p-Chlorobenzilate	139	9.406	9.406	(0.928)	52648	0.50000	0.44267
130 Famphur 1	218	9.612	9.612	(0.948)	58763	0.50000	1.0446
132 3,3'-Dimethylbenzidine	212	9.656	9.656	(0.952)	78422	0.50000	0.51473
134 2-Acetylaminofluorene	181	9.864	9.864	(0.973)	46673	0.50000	0.32953
143 7,12-dimethylbenz[a]anthracen	256	11.008	11.008	(0.969)	60285	0.50000	0.44169
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.612	11.612	(1.023)	69360	0.50000	0.44248
193 3-Methylphenol	108	4.551	4.551	(1.078)	55611	0.50000	0.44803
69 1,4-Dinitrobenzene	168	6.475	6.475	(0.962)	14116	0.50000	0.38492
77 m-Dinitrobenzene	168	6.536	6.536	(0.971)	16240	0.50000	0.39740
88 2,3,4,6-Tetrachlorophenol	232	7.004	7.004	(1.040)	18758	0.50000	0.36984
97 5-Nitro-o-toluidine	152	7.195	7.195	(1.069)	23565	0.50000	0.37275(Q)
199 3-Picoline	93	3.132	3.132	(0.742)	66672	0.50000	0.39577
200 N,N-Dimethylacetamide	44	3.152	3.152	(0.747)	56814	0.50000	0.55699(Q)
225 Methyl parathion	109	8.259	8.259	(1.038)	43400	0.50000	0.44764
226 Parathion	97	8.576	8.576	(1.078)	31045	0.50000	0.43300
227 Isodrin	66	8.822	8.822	(1.109)	31212	0.50000	0.45437
228 Kepone	272	Compound Not Detected.					

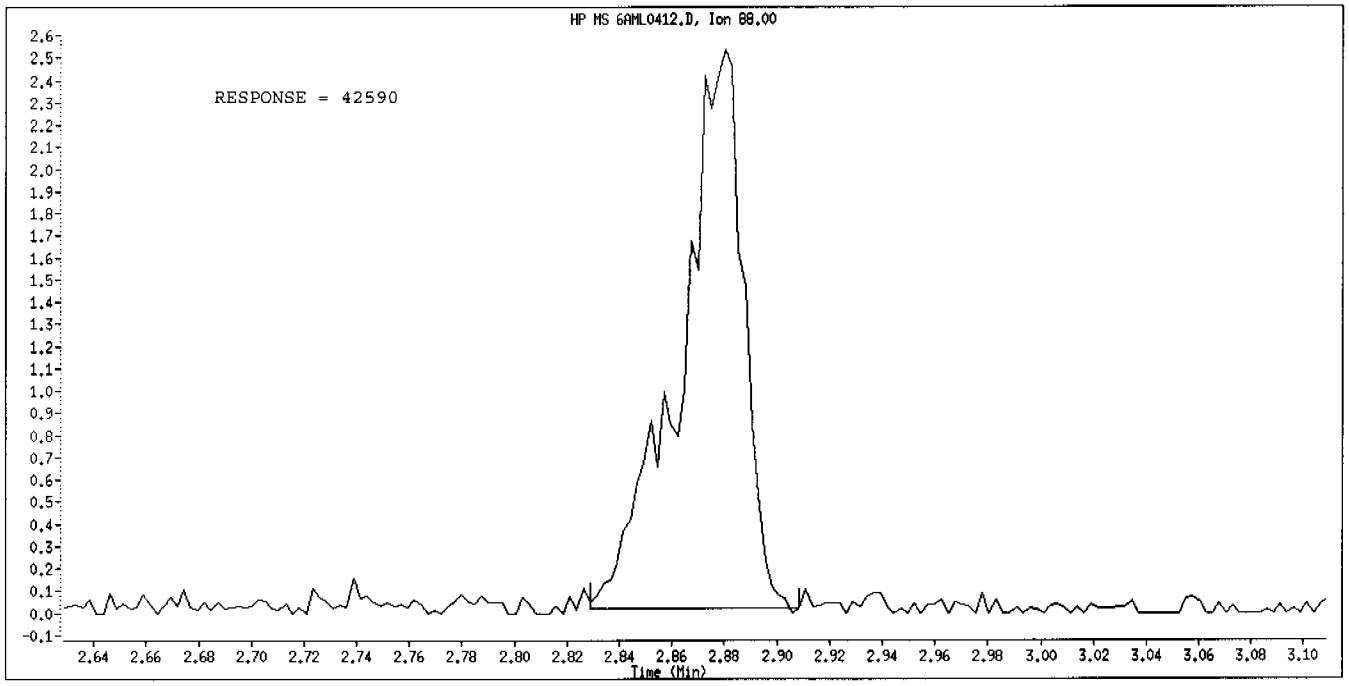
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: 6AML0412.D
Inj. Date and Time: 12-APR-2004 14:30
Instrument ID: a4hp6.i
Client ID:
Compound Name: N-Nitrosomethylethylamine
CAS #: 10595-95-6
Report Date: 04/12/2004

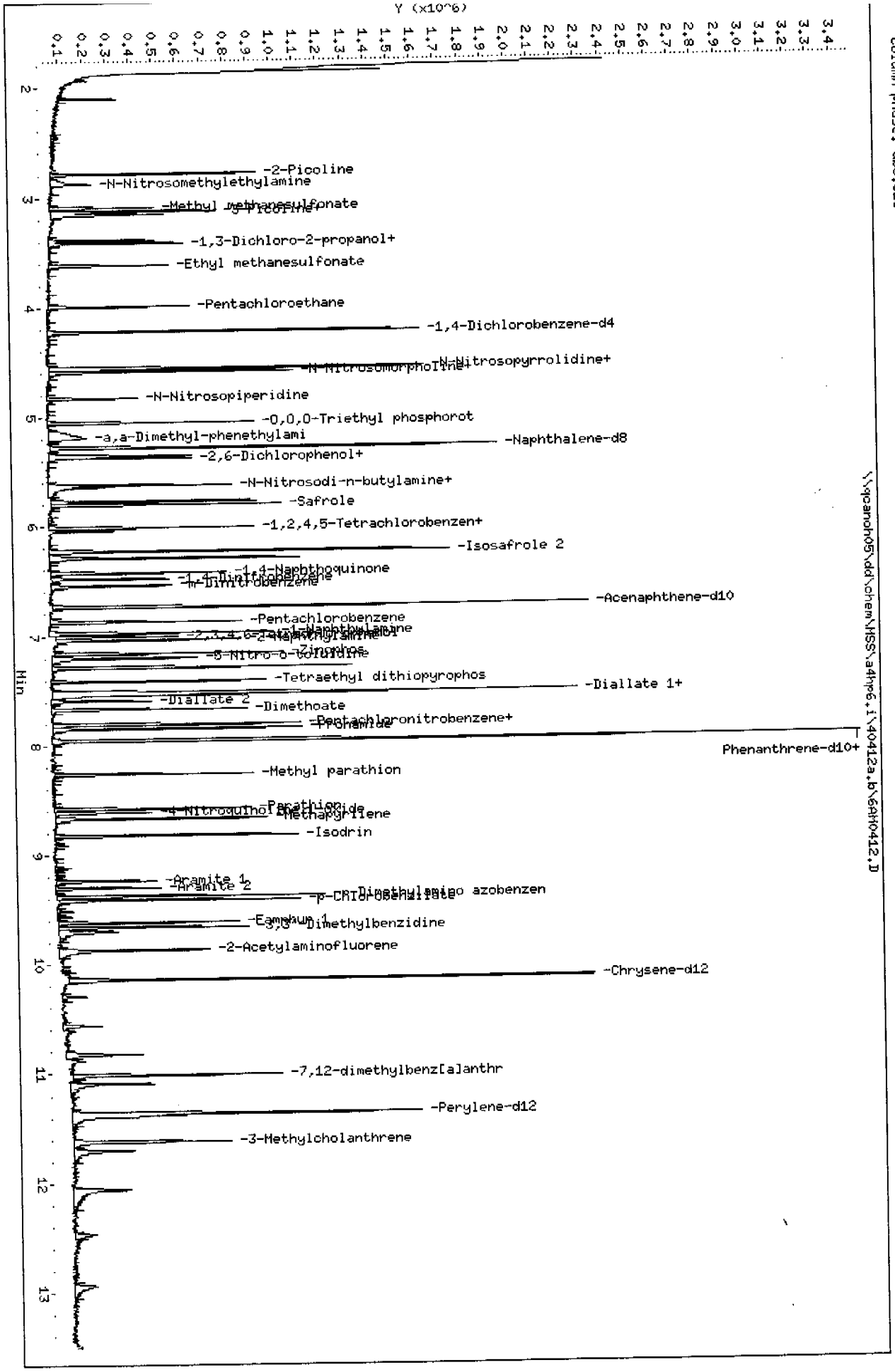


Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System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Date : 12-APR-2004 14:09
Client ID:
Sample Info: 14,40412a,b,8270p,2-ap9,sub,1,,4
Column phase: db5.625
Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32
\\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AH0412.D
Y (x10^6)
Min
-2-Picoline
-N-Nitrosomethylethylamine
-Methyl methanesulfonate
-3-Picoline
-1,3-Dichloro-2-propanol+
-Ethyl methanesulfonate
-Pentachloroethane
-1,4-Dichlorobenzene-d4
-N-Nitrosomorpholine
-N-Nitrosopyrrolidine+
-N-Nitrosopiperidine
-O,O,O-Triethyl phosphorot
-a,a-Dimethyl-phenethylami
-Naphthalene-d8
-2,6-Dichlorophenol+
-N-Nitrosodi-n-butylamine+
-Safrole
-1,2,4,5-Tetrachlorobenzen+
-Isosafrole 2
-1,4-Naphthoquinone
-1,4-Dinitrobenzene
-m-Dinitrobenzene
-Acenaphthene-d10
-Pentachlorobenzene
-1-Naphthylamine
-2,3,4,6-2-Naphthylamine
-Zinophos
-5-Nitro-o-toluidine
-Tetraethyl dithiopyrophos
-Diallate 1+
-Diallate 2
-Dimethoate
-Pentachloronitrobenzene+
-Phenamide
Phenanthrene-d10+
-Methyl parathion
-Parathion
-4-Nitroquinoline
-Methapyrilene
-Isodrin
-Aramite 1
-Aramite 2
-Dimethylamino azobenzen
-p-Chlorobenzilate
-Famphur 1
-3,3'-Dimethylbenzidine
-2-Acetylaminofluorene
-Chrysene-d12
-7,12-dimethylbenz[a]anthr
-Perylene-d12
-3-Methylcholanthrene

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AM0412.D
Lab Smp Id: 14
Inj Date : 12-APR-2004 14:09
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 14,40412a.b,8270p,2-ap9.sub,1,,4
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:17 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 13:49 Cal File: 6AMM0412.D
Als bottle: 17 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

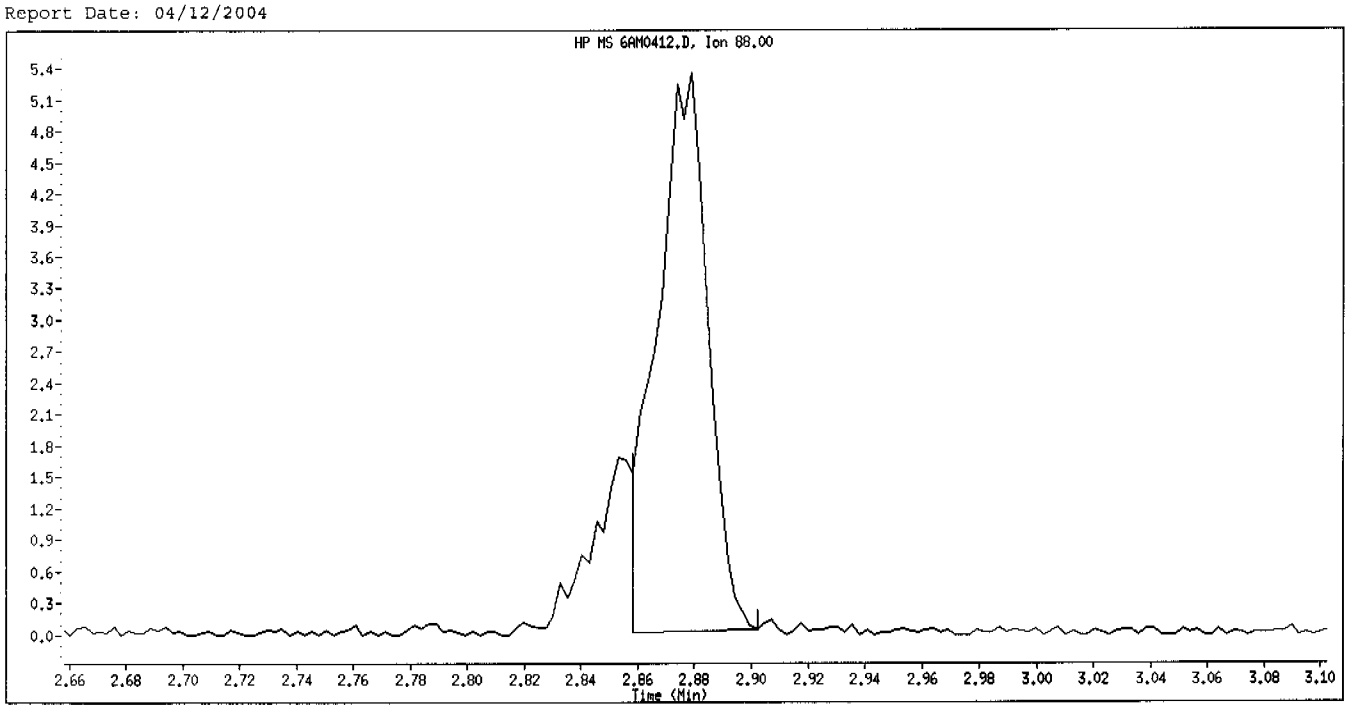
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.221	4.221	(1.000)	143605	2.00000	
* 2 Naphthalene-d8	136	5.278	5.278	(1.000)	567409	2.00000	
* 3 Acenaphthene-d10	164	6.733	6.733	(1.000)	321294	2.00000	
* 4 Phenanthrene-d10	188	7.957	7.957	(1.000)	579999	2.00000	
* 5 Chrysene-d12	240	10.140	10.140	(1.000)	564073	2.00000	
* 6 Perylene-d12	264	11.357	11.357	(1.000)	382280	2.00000	
7 N-Nitrosomorpholine	56	4.578	4.578	(1.085)	78224	1.00000	0.99030
8 Ethyl methanesulfonate	79	3.616	3.616	(0.857)	154611	1.00000	0.98392
14 2-Picoline	93	2.786	2.786	(0.660)	178880	1.00000	0.98551
15 N-Nitrosomethylethylamine	88	2.878	2.878	(0.682)	82992	1.00000	1.0003(M)
16 Methyl methanesulfonate	80	3.092	3.092	(0.733)	112594	1.00000	0.96418
18 1,3-Dichloro-2-propanol	79	3.411	3.411	(0.808)	204807	1.00000	0.95462
19 N-Nitrosodiethylamine	102	3.385	3.385	(0.802)	79763	1.00000	1.0221
25 Pentachloroethane	167	3.992	3.992	(0.946)	39299	1.00000	0.99985
36 N-Nitrosopyrrolidine	100	4.547	4.547	(1.077)	74924	1.00000	1.0447
39 o-Toluidine	106	4.583	4.583	(1.086)	232038	1.00000	1.0066
40 N-Nitrosopiperidine	114	4.828	4.828	(0.915)	59933	1.00000	0.95058
45 O,O,O-Triethyl phosphorothioa	198	5.049	5.049	(0.957)	53828	1.00000	1.0310
53 a,a-Dimethyl-phenethylamine	58	5.185	5.185	(0.982)	280244	1.00000	0.89577
54 2,6-Dichlorophenol	162	5.347	5.347	(1.013)	69713	1.00000	0.94502
55 Hexachloropropene	213	5.368	5.368	(1.017)	63235	1.00000	0.94361
58 N-Nitrosodi-n-butylamine	84	5.620	5.620	(1.065)	129636	1.00000	1.0260
60 p-Phenylene diamine	108	5.638	5.638	(1.068)	77526	1.00000	0.59772
61 Safrole	162	5.797	5.797	(1.098)	79747	1.00000	1.0199
65 1,2,4,5-Tetrachlorobenzene	216	6.008	6.008	(0.892)	93417	1.00000	0.99573
71 Isosafrole 1	162	6.039	6.039	(0.897)	23860	1.00000	0.97578
72 Isosafrole 2	162	6.226	6.226	(0.925)	160156	1.00000	1.0447
75 1,4-Naphthoquinone	158	6.422	6.422	(0.954)	73934	1.00000	1.1766
84 Pentachlorobenzene	250	6.869	6.869	(1.020)	78737	1.00000	1.0053
89 1-Naphthylamine	143	6.970	6.970	(1.035)	184996	1.00000	0.97971
92 2-Naphthylamine	143	7.034	7.034	(1.045)	168161	1.00000	0.93306
90 Zinophos	97	7.155	7.155	(1.063)	74035	1.00000	0.98506
102 Tetraethyl dithiopyrophosphat	202	7.409	7.409	(0.931)	29473	1.00000	0.96385

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.517	7.517	(0.945)	281893	1.00000	0.99511
109 Diallate 2	86	7.589	7.589	(0.954)	59544	1.00000	0.99185
104 Phorate	121	7.523	7.523	(0.945)	50782	1.00000	1.0300(Q)
105 1,3,5-Trinitrobenzene	213	7.502	7.502	(0.943)	21251	1.00000	0.84940(Q)
108 Phenacetin	108	7.535	7.535	(0.947)	141553	1.00000	0.90046
110 Dimethoate	87	7.664	7.664	(0.963)	138414	1.00000	1.0662
112 Pentachloronitrobenzene	237	7.811	7.811	(0.982)	27404	1.00000	0.92022
113 4-Aminobiphenyl	169	7.803	7.803	(0.981)	204973	1.00000	0.92214
114 Pronamide	173	7.847	7.847	(0.986)	103690	1.00000	0.99991
117 Dinoseb	211	7.947	7.947	(0.999)	41711	1.00000	0.77674
118 Disulfoton	88	7.952	7.952	(0.999)	207736	1.00000	0.98431
121 4-Nitroquinoline 1-oxide	190	8.615	8.615	(1.083)	14907	1.00000	0.53577(Q)
122 Methapyrilene	58	8.667	8.667	(1.089)	171261	1.00000	1.1919
126 Aramite 1	185	9.235	9.235	(0.911)	17900	1.00000	0.94343
127 Aramite 2	185	9.294	9.294	(0.917)	21768	1.00000	0.91824
128 p-Dimethylamino azobenzene	225	9.374	9.374	(0.924)	75700	1.00000	0.97834
129 p-Chlorobenzilate	139	9.407	9.407	(0.928)	116106	1.00000	0.96851
130 Famphur 1	218	9.613	9.613	(0.948)	116922	1.00000	2.0621
132 3,3'-Dimethylbenzidine	212	9.657	9.657	(0.952)	185934	1.00000	1.2107
134 2-Acetylaminofluorene	181	9.865	9.865	(0.973)	129579	1.00000	0.90763
143 7,12-dimethylbenz[a]anthracen	256	11.009	11.009	(0.969)	134993	1.00000	0.94868
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.616	11.616	(1.023)	151280	1.00000	0.92571
193 3-Methylphenol	108	4.552	4.552	(1.079)	121805	1.00000	0.97913
69 1,4-Dinitrobenzene	168	6.476	6.476	(0.962)	32819	1.00000	0.90732
77 m-Dinitrobenzene	168	6.538	6.538	(0.971)	39155	1.00000	0.97142(Q)
88 2,3,4,6-Tetrachlorophenol	232	7.003	7.003	(1.040)	43664	1.00000	0.87284
97 5-Nitro-o-toluidine	152	7.199	7.199	(1.069)	57355	1.00000	0.91983
199 3-Picoline	93	3.125	3.125	(0.740)	152252	1.00000	0.90174
200 N,N-Dimethylacetamide	44	3.151	3.151	(0.747)	93818	1.00000	0.91770
225 Methyl parathion	109	8.261	8.261	(1.038)	99738	1.00000	1.0404
226 Parathion	97	8.577	8.577	(1.078)	66572	1.00000	0.93908
227 Isodrin	66	8.821	8.821	(1.109)	65816	1.00000	0.96903
228 Kepone	272	Compound Not Detected.					

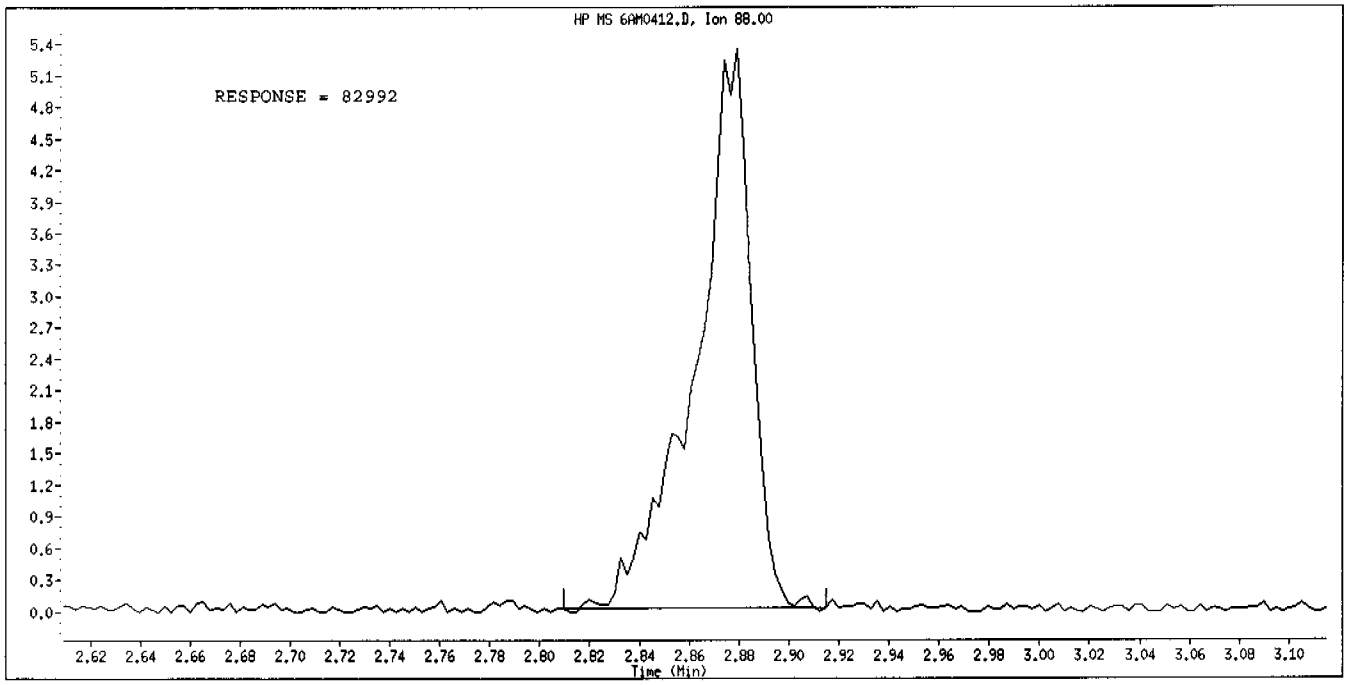
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: 6AM0412.D
Inj. Date and Time: 12-APR-2004 14:09
Instrument ID: a4hp6.i
Client ID:
Compound Name: N-Nitrosomethylethylamine
CAS #: 10595-95-6
Report Date: 04/12/2004



Original Integration



Manual Integration

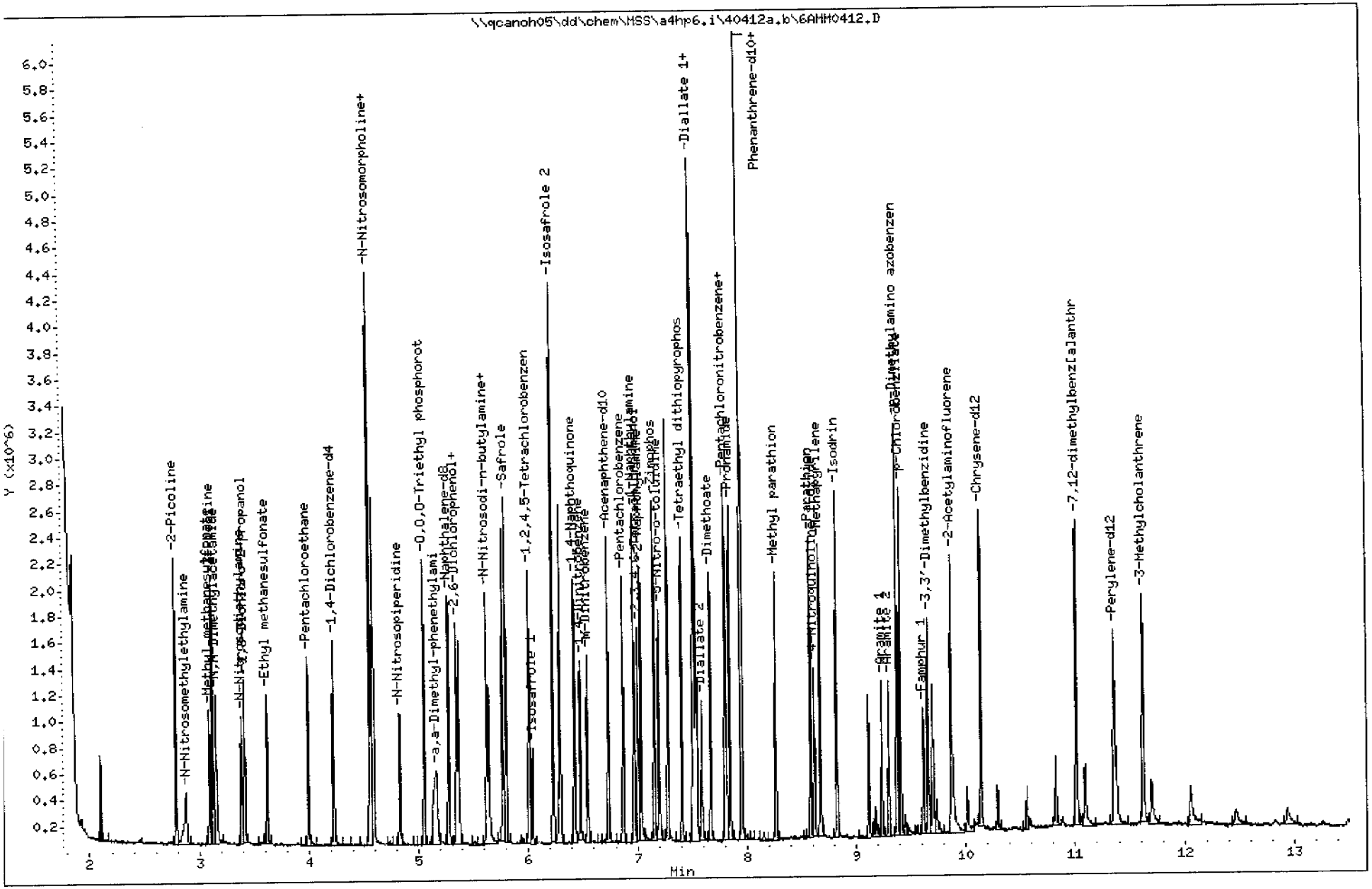
Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AMM0412.D
Date : 12-APR-2004 13:49
Client ID:
Sample Info: 15,40412a.b,8270p,2-ap9,sub,1,,5

Column phase: db5.625

Instrument: a4hp6.i

Operator: 001710
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AMM0412.D
Lab Smp Id: 15
Inj Date : 12-APR-2004 13:49 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 15,40412a.b,8270p,2-ap9.sub,1,,5
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:17 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 13:28 Cal File: 6AMH0412.D
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000 Compound Sublist: 2-ap9.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.222	4.222	(1.000)	137921	2.00000	
* 2 Naphthalene-d8	136	5.279	5.279	(1.000)	564539	2.00000	
* 3 Acenaphthene-d10	164	6.734	6.734	(1.000)	319029	2.00000	
* 4 Phenanthrene-d10	188	7.955	7.955	(1.000)	576648	2.00000	
* 5 Chrysene-d12	240	10.139	10.139	(1.000)	567177	2.00000	
* 6 Perylene-d12	264	11.355	11.355	(1.000)	383397	2.00000	
7 N-Nitrosomorpholine	56	4.579	4.579	(1.085)	194030	2.50000	2.5576
8 Ethyl methanesulfonate	79	3.620	3.620	(0.857)	380828	2.50000	2.5234
14 2-Picoline	93	2.782	2.782	(0.659)	447029	2.50000	2.5643
15 N-Nitrosomethylethylamine	88	2.877	2.877	(0.681)	182769	2.50000	2.2937
16 Methyl methanesulfonate	80	3.095	3.095	(0.733)	282284	2.50000	2.5169
18 1,3-Dichloro-2-propanol	79	3.414	3.414	(0.809)	518211	2.50000	2.5150
19 N-Nitrosodiethylamine	102	3.389	3.389	(0.803)	185530	2.50000	2.4753
25 Pentachloroethane	167	3.993	3.993	(0.946)	96531	2.50000	2.5572
36 N-Nitrosopyrrolidine	100	4.553	4.553	(1.079)	191141	2.50000	2.7750
39 o-Toluidine	106	4.589	4.589	(1.087)	574018	2.50000	2.5928
40 N-Nitrosopiperidine	114	4.831	4.831	(0.915)	157245	2.50000	2.5067
45 O,O,O-Triethyl phosphorothioa	198	5.052	5.052	(0.957)	135859	2.50000	2.6153
53 a,a-Dimethyl-phenethylamine	58	5.165	5.165	(0.979)	808855	2.50000	2.5986
54 2,6-Dichlorophenol	162	5.348	5.348	(1.013)	190064	2.50000	2.5896
55 Hexachloropropene	213	5.369	5.369	(1.017)	165984	2.50000	2.4894
58 N-Nitrosodi-n-butylamine	84	5.623	5.623	(1.065)	320006	2.50000	2.5456
60 p-Phenylene diamine	108	5.639	5.639	(1.068)	342170	2.50000	2.6515
61 Safrole	162	5.798	5.798	(1.098)	194176	2.50000	2.4960
65 1,2,4,5-Tetrachlorobenzene	216	6.011	6.011	(0.893)	227119	2.50000	2.4380
71 Isosafrole 1	162	6.042	6.042	(0.897)	61108	2.50000	2.5168
72 Isosafrole 2	162	6.230	6.230	(0.925)	394472	2.50000	2.5913
75 1,4-Naphthoquinone	158	6.423	6.423	(0.954)	193633	2.50000	3.1034
84 Pentachlorobenzene	250	6.870	6.870	(1.020)	195333	2.50000	2.5117
89 1-Naphthylamine	143	6.971	6.971	(1.035)	472436	2.50000	2.5197
92 2-Naphthylamine	143	7.035	7.035	(1.045)	431237	2.50000	2.4097
90 Zinophos	97	7.158	7.158	(1.063)	194624	2.50000	2.6079
102 Tetraethyl dithiopyrophosphat	202	7.410	7.410	(0.931)	76603	2.50000	2.5197

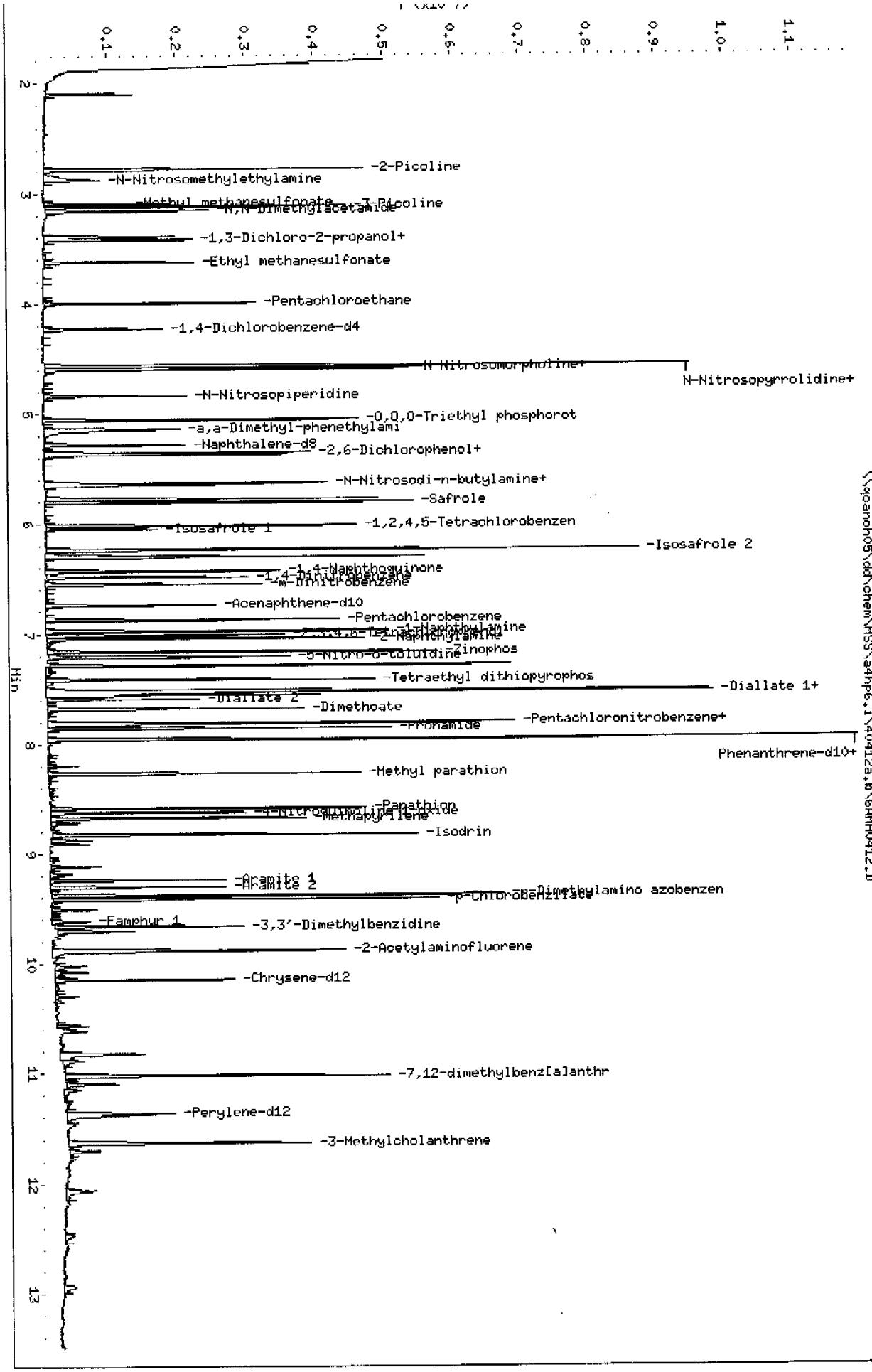
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.518	7.518	(0.945)	696983	2.50000	2.4747
109 Diallate 2	86	7.590	7.590	(0.954)	147952	2.50000	2.4788
104 Phorate	121	7.526	7.526	(0.946)	119273	2.50000	2.4334
105 1,3,5-Trinitrobenzene	213	7.503	7.503	(0.943)	66523	2.50000	2.6744
108 Phenacetin	108	7.544	7.544	(0.948)	386852	2.50000	2.4752
110 Dimethoate	87	7.670	7.670	(0.964)	352951	2.50000	2.7345
112 Pentachloronitrobenzene	237	7.811	7.811	(0.982)	74271	2.50000	2.5085
113 4-Aminobiphenyl	169	7.804	7.804	(0.981)	505722	2.50000	2.2884
114 Pronamide	173	7.850	7.850	(0.987)	260214	2.50000	2.5239
117 Dinoseb	211	7.950	7.950	(0.999)	128932	2.50000	2.4149
118 Disulfoton	88	7.953	7.953	(1.000)	492994	2.50000	2.3495
121 4-Nitroquinoline 1-oxide	190	8.616	8.616	(1.083)	59802	2.50000	2.1618(Q)
122 Methapyrilene	58	8.668	8.668	(1.090)	446059	2.50000	3.1225
126 Aramite 1	185	9.236	9.236	(0.911)	48950	2.50000	2.5658
127 Aramite 2	185	9.298	9.298	(0.917)	57564	2.50000	2.4149
128 p-Dimethylamino azobenzene	225	9.375	9.375	(0.925)	203826	2.50000	2.6198
129 p-Chlorobenzilate	139	9.408	9.408	(0.928)	301861	2.50000	2.5042
130 Famphur 1	218	9.614	9.614	(0.948)	153232	2.50000	2.6876
132 3,3'-Dimethylbenzidine	212	9.658	9.658	(0.953)	409457	2.50000	2.6517
134 2-Acetylaminofluorene	181	9.869	9.869	(0.973)	355733	2.50000	2.4781
143 7,12-dimethylbenz[a]anthracen	256	11.013	11.013	(0.970)	363345	2.50000	2.5460
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.620	11.620	(1.023)	401891	2.50000	2.4521
193 3-Methylphenol	108	4.556	4.556	(1.079)	314492	2.50000	2.6322
69 1,4-Dinitrobenzene	168	6.477	6.477	(0.962)	90745	2.50000	2.5266
77 m-Dinitrobenzene	168	6.541	6.541	(0.971)	99823	2.50000	2.4942
88 2,3,4,6-Tetrachlorophenol	232	7.004	7.004	(1.040)	123095	2.50000	2.4781
97 5-Nitro-o-toluidine	152	7.202	7.202	(1.069)	159411	2.50000	2.5747
199 3-Picoline	93	3.121	3.121	(0.739)	426501	2.50000	2.6301
200 N,N-Dimethylacetamide	44	3.152	3.152	(0.747)	240302	2.50000	2.4474
225 Methyl parathion	109	8.261	8.261	(1.038)	246444	2.50000	2.5858
226 Parathion	97	8.578	8.578	(1.078)	180385	2.50000	2.5593
227 Isodrin	66	8.822	8.822	(1.109)	164667	2.50000	2.4385
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AMH0412.D
Date : 12-APR-2004 13:28
Client ID:
Sample Info: 16,40412a,b,8270p,2-ap9,sub,1,6
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AMH0412.D
Lab Smp Id: 16
Inj Date : 12-APR-2004 13:28
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 16,40412a.b,8270p,2-ap9.sub,1,,6
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:17 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 13:07 Cal File: 6AH0412.D
Als bottle: 15 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

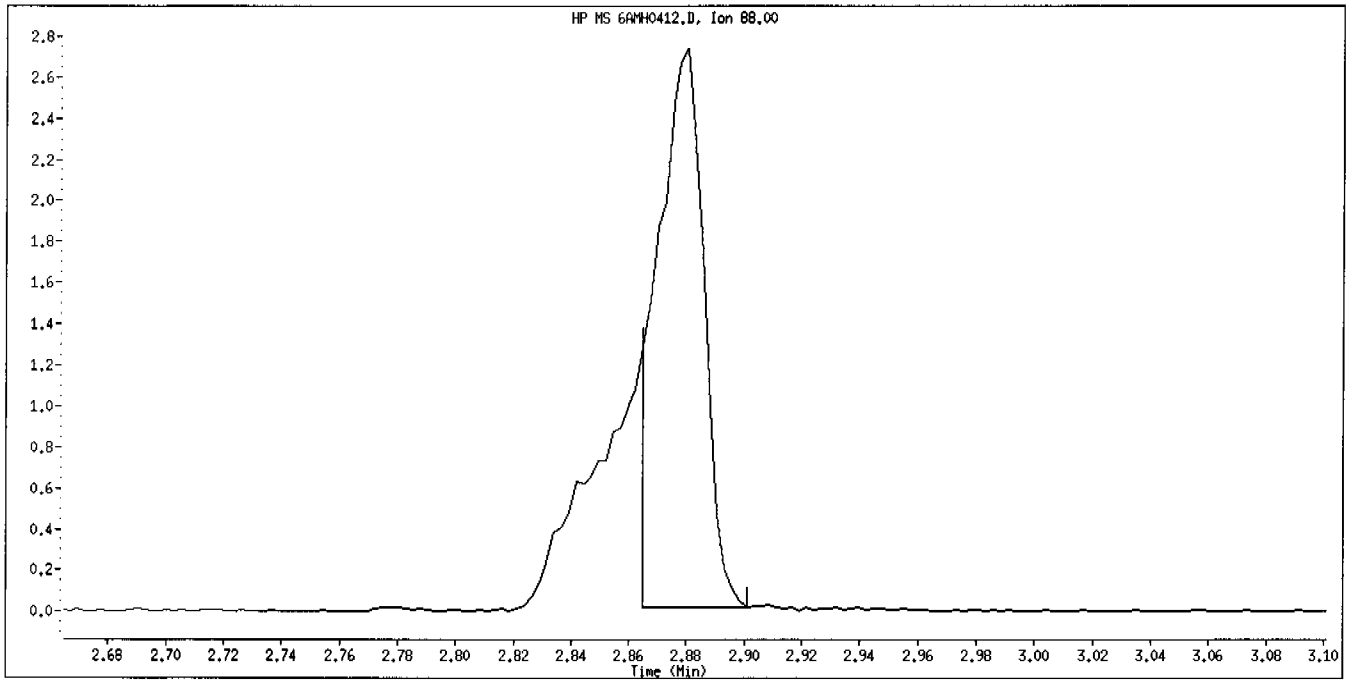
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.222	4.222	(1.000)	146935	2.00000	
* 2 Naphthalene-d8	136	5.279	5.279	(1.000)	608948	2.00000	
* 3 Acenaphthene-d10	164	6.734	6.734	(1.000)	341109	2.00000	
* 4 Phenanthrene-d10	188	7.958	7.958	(1.000)	599441	2.00000	
* 5 Chrysene-d12	240	10.139	10.139	(1.000)	597925	2.00000	
* 6 Perylene-d12	264	11.358	11.358	(1.000)	412277	2.00000	
7 N-Nitrosomorpholine	56	4.587	4.587	(1.086)	415183	5.00000	5.1370
8 Ethyl methanesulfonate	79	3.626	3.626	(0.859)	817371	5.00000	5.0838
14 2-Picoline	93	2.780	2.780	(0.658)	955619	5.00000	5.1455
15 N-Nitrosomethylethylamine	88	2.880	2.880	(0.682)	452477	5.00000	5.3301(M)
16 Methyl methanesulfonate	80	3.098	3.098	(0.734)	609168	5.00000	5.0983
18 1,3-Dichloro-2-propanol	79	3.420	3.420	(0.810)	1154467	5.00000	5.2591
19 N-Nitrosodiethylamine	102	3.394	3.394	(0.804)	409704	5.00000	5.1309
25 Pentachloroethane	167	3.993	3.993	(0.946)	205358	5.00000	5.1064
36 N-Nitrosopyrrolidine	100	4.562	4.562	(1.080)	386403	5.00000	5.2656
39 o-Toluidine	106	4.595	4.595	(1.088)	1231569	5.00000	5.2216
40 N-Nitrosopiperidine	114	4.837	4.837	(0.916)	335927	5.00000	4.9646
45 O,O,O-Triethyl phosphorothioa	198	5.053	5.053	(0.957)	275510	5.00000	4.9169
53 a,a-Dimethyl-phenethylamine	58	5.135	5.135	(0.973)	1615192	5.00000	4.8106
54 2,6-Dichlorophenol	162	5.354	5.354	(1.014)	416185	5.00000	5.2569
55 Hexachloropropene	213	5.369	5.369	(1.017)	372424	5.00000	5.1783
58 N-Nitrosodi-n-butylamine	84	5.626	5.626	(1.066)	681566	5.00000	5.0264
60 p-Phenylene diamine	108	5.644	5.644	(1.069)	751936	5.00000	5.4019
61 Safrole	162	5.801	5.801	(1.099)	420748	5.00000	5.0139
65 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	(0.893)	487528	5.00000	4.8947
71 Isosafrole 1	162	6.040	6.040	(0.897)	135003	5.00000	5.2004
72 Isosafrole 2	162	6.233	6.233	(0.926)	830966	5.00000	5.1053
75 1,4-Naphthoquinone	158	6.426	6.426	(0.954)	347125	5.00000	5.2034
84 Pentachlorobenzene	250	6.871	6.871	(1.020)	427545	5.00000	5.1418
89 1-Naphthylamine	143	6.974	6.974	(1.036)	1052298	5.00000	5.2491
92 2-Naphthylamine	143	7.038	7.038	(1.045)	1008565	5.00000	5.2710
90 Zinophos	97	7.161	7.161	(1.063)	411829	5.00000	5.1612
102 Tetraethyl dithiopyrophosphat	202	7.413	7.413	(0.931)	160282	5.00000	5.0717

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.521	7.521	(0.945)	1465115	5.00000	5.0043
109 Diallate 2	86	7.591	7.591	(0.954)	311701	5.00000	5.0237
104 Phorate	121	7.532	7.532	(0.946)	262311	5.00000	5.1481(Q)
105 1,3,5-Trinitrobenzene	213	7.511	7.511	(0.944)	149734	5.00000	5.7908(Q)
108 Phenacetin	108	7.555	7.555	(0.949)	858624	5.00000	5.2848
110 Dimethoate	87	7.678	7.678	(0.965)	753710	5.00000	5.6174
112 Pentachloronitrobenzene	237	7.814	7.814	(0.982)	156772	5.00000	5.0936
113 4-Aminobiphenyl	169	7.807	7.807	(0.981)	1244782	5.00000	5.4184
114 Pronamide	173	7.853	7.853	(0.987)	553972	5.00000	5.1688
117 Dinoseb	211	7.953	7.953	(0.999)	308227	5.00000	5.5536
118 Disulfoton	88	7.956	7.956	(1.000)	1052291	5.00000	4.8243
121 4-Nitroquinoline 1-oxide	190	8.622	8.622	(1.083)	171860	5.00000	5.9765
122 Methapyrilene	58	8.671	8.671	(1.089)	809788	5.00000	5.4531
126 Aramite 1	185	9.236	9.236	(0.911)	103385	5.00000	5.1405
127 Aramite 2	185	9.301	9.301	(0.917)	134831	5.00000	5.3656
128 p-Dimethylamino azobenzene	225	9.378	9.378	(0.925)	435279	5.00000	5.3070
129 p-Chlorobenzilate	139	9.411	9.411	(0.928)	665068	5.00000	5.2336
130 Famphur 1	218	9.614	9.614	(0.948)	94334	5.00000	1.5695
132 3,3'-Dimethylbenzidine	212	9.658	9.658	(0.953)	648341	5.00000	3.9828
134 2-Acetylaminofluorene	181	9.877	9.877	(0.974)	828748	5.00000	5.4763
143 7,12-dimethylbenz[a]anthracen	256	11.016	11.016	(0.970)	788585	5.00000	5.1387
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.628	11.628	(1.024)	916445	5.00000	5.1999
193 3-Methylphenol	108	4.564	4.564	(1.081)	683794	5.00000	5.3721
69 1,4-Dinitrobenzene	168	6.480	6.480	(0.962)	200731	5.00000	5.2271
77 m-Dinitrobenzene	168	6.544	6.544	(0.972)	229500	5.00000	5.3630
88 2,3,4,6-Tetrachlorophenol	232	7.007	7.007	(1.040)	285034	5.00000	5.3668
97 5-Nitro-o-toluidine	152	7.208	7.208	(1.070)	349583	5.00000	5.2807
199 3-Picoline	93	3.119	3.119	(0.739)	926723	5.00000	5.3643
200 N,N-Dimethylacetamide	44	3.155	3.155	(0.747)	521375	5.00000	4.9844
225 Methyl parathion	109	8.264	8.264	(1.038)	528746	5.00000	5.3369
226 Parathion	97	8.581	8.581	(1.078)	392306	5.00000	5.3545
227 Isodrin	66	8.822	8.822	(1.109)	355126	5.00000	5.0590
228 Kepone	272	Compound Not Detected.					

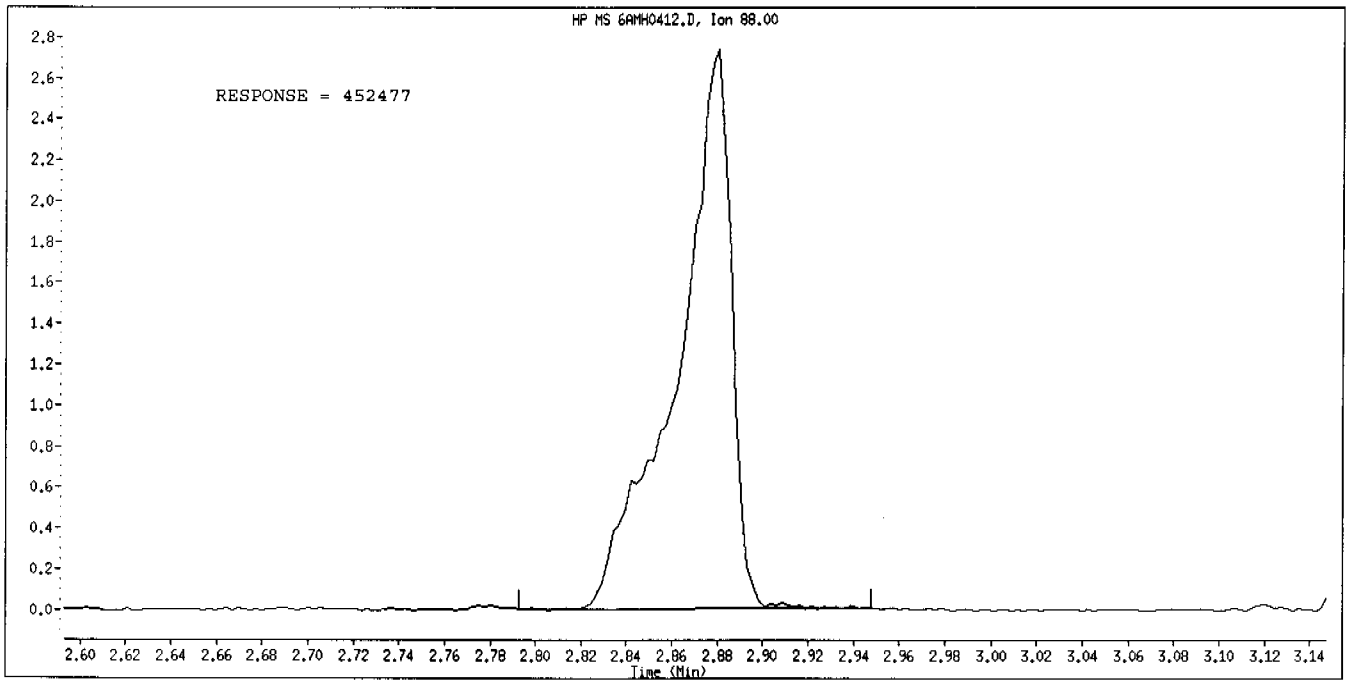
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: 6AMH0412.D
Inj. Date and Time: 12-APR-2004 13:28
Instrument ID: a4hp6.i
Client ID:
Compound Name: N-Nitrosomethylethylamine
CAS #: 10595-95-6
Report Date: 04/12/2004



Original Integration

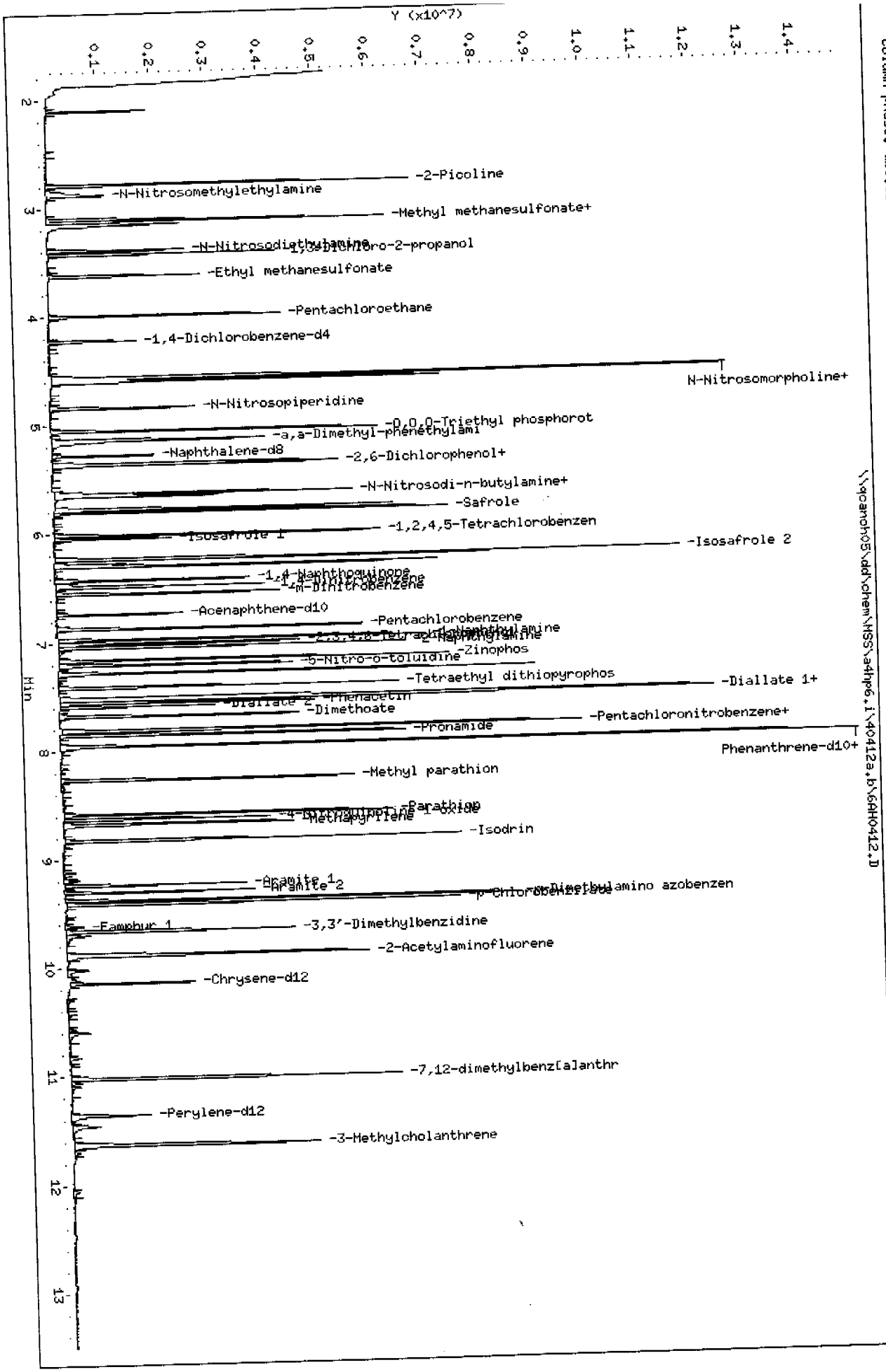


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AH0412.D
Date : 12-APR-2004 13:07
Client ID:
Sample Info: 17,40412a,b,8270e,2-ap9,sub,1,,7
Column phase: db5,625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AH0412.D
Lab Smp Id: 17
Inj Date : 12-APR-2004 13:07 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 17,40412a.b,8270p,2-ap9.sub,1,,7
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:17 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 12:46 Cal File: 6AHH0412.D
Als bottle: 14 Calibration Sample, Level: 7
Dil Factor: 1.00000 Compound Sublist: 2-ap9.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.222	4.222	(1.000)	141980	2.00000	
* 2 Naphthalene-d8	136	5.277	5.277	(1.000)	553440	2.00000	
* 3 Acenaphthene-d10	164	6.735	6.735	(1.000)	317218	2.00000	
* 4 Phenanthrene-d10	188	7.959	7.959	(1.000)	549156	2.00000	
* 5 Chrysene-d12	240	10.139	10.139	(1.000)	562578	2.00000	
* 6 Perylene-d12	264	11.358	11.358	(1.000)	378121	2.00000	
7 N-Nitrosomorpholine	56	4.590	4.590	(1.087)	584480	7.50000	7.4841
8 Ethyl methanesulfonate	79	3.626	3.626	(0.859)	1110766	7.50000	7.1497
14 2-Picoline	93	2.787	2.787	(0.660)	1320373	7.50000	7.3576
15 N-Nitrosomethylethylamine	88	2.880	2.880	(0.682)	627468	7.50000	7.6494
16 Methyl methanesulfonate	80	3.104	3.104	(0.735)	840557	7.50000	7.2804
18 1,3-Dichloro-2-propanol	79	3.425	3.425	(0.811)	1587942	7.50000	7.4862
19 N-Nitrosodiethylamine	102	3.394	3.394	(0.804)	557265	7.50000	7.2225
25 Pentachloroethane	167	3.993	3.993	(0.946)	288071	7.50000	7.4130
36 N-Nitrosopyrrolidine	100	4.564	4.564	(1.081)	505446	7.50000	7.1283
39 o-Toluidine	106	4.595	4.595	(1.088)	1658956	7.50000	7.2791
40 N-Nitrosopiperidine	114	4.839	4.839	(0.917)	459659	7.50000	7.4745
45 O,O,O-Triethyl phosphorothioa	198	5.053	5.053	(0.958)	390934	7.50000	7.6766
53 a,a-Dimethyl-phenethylamine	58	5.135	5.135	(0.973)	2561766	7.50000	8.3951
54 2,6-Dichlorophenol	162	5.356	5.356	(1.015)	574673	7.50000	7.9868
55 Hexachloropropene	213	5.369	5.369	(1.018)	513634	7.50000	7.8580
58 N-Nitrosodi-n-butylamine	84	5.629	5.629	(1.067)	954016	7.50000	7.7413
60 p-Phenylene diamine	108	5.649	5.649	(1.071)	1063950	7.50000	8.4101
61 Safrole	162	5.801	5.801	(1.099)	568687	7.50000	7.4566
65 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	(0.893)	680936	7.50000	7.3513
71 Isosafrole 1	162	6.040	6.040	(0.897)	187255	7.50000	7.7564
72 Isosafrole 2	162	6.233	6.233	(0.926)	1124568	7.50000	7.4296
75 1,4-Naphthoquinone	158	6.423	6.423	(0.954)	380098	7.50000	6.1267
84 Pentachlorobenzene	250	6.873	6.873	(1.021)	577460	7.50000	7.4678
89 1-Naphthylamine	143	6.974	6.974	(1.036)	1498082	7.50000	8.0355
92 2-Naphthylamine	143	7.043	7.043	(1.046)	1408971	7.50000	7.9182
90 Zinophos	97	7.164	7.164	(1.064)	561864	7.50000	7.5718
102 Tetraethyl dithiopyrophosphat	202	7.416	7.416	(0.932)	225029	7.50000	7.7724

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.1\40412a.D\6AH0412.D
Report Date: 12-Apr-2004 15:17

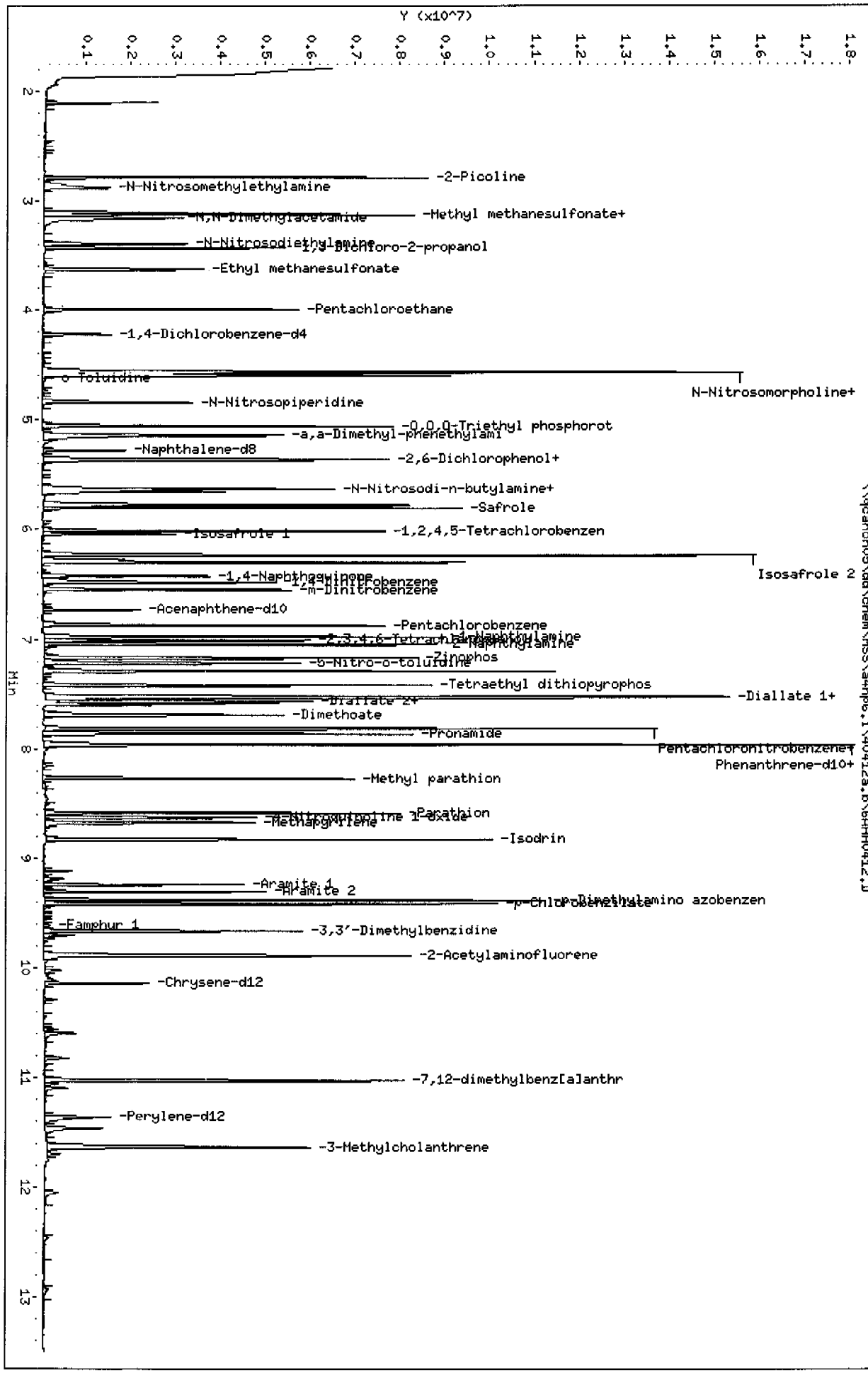
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.524	7.524	(0.945)	1960996	7.50000	7.3113
109 Diallate 2	86	7.591	7.591	(0.954)	433794	7.50000	7.6317
104 Phorate	121	7.532	7.532	(0.946)	354921	7.50000	7.6035
105 1,3,5-Trinitrobenzene	213	7.514	7.514	(0.944)	201109	7.50000	8.4898(Q)
108 Phenacetin	108	7.563	7.563	(0.950)	1213445	7.50000	8.1526
110 Dimethoate	87	7.684	7.684	(0.965)	946345	7.50000	7.6989
112 Pentachloronitrobenzene	237	7.817	7.817	(0.982)	213644	7.50000	7.5771
113 4-Aminobiphenyl	169	7.810	7.810	(0.981)	1721306	7.50000	8.1788
114 Pronamide	173	7.858	7.858	(0.987)	776090	7.50000	7.9044
117 Dinoseb	211	7.959	7.959	(1.000)	420847	7.50000	8.2771
118 Disulfoton	88	7.959	7.959	(1.000)	1415483	7.50000	7.0836
121 4-Nitroquinoline 1-oxide	190	8.625	8.625	(1.084)	251567	7.50000	9.5494
122 Methapyrilene	58	8.671	8.671	(1.089)	956013	7.50000	7.0273
126 Aramite 1	185	9.239	9.239	(0.911)	144385	7.50000	7.6301
127 Aramite 2	185	9.301	9.301	(0.917)	181012	7.50000	7.6559
128 p-Dimethylamino azobenzene	225	9.381	9.381	(0.925)	604646	7.50000	7.8352
129 p-Chlorobenzilate	139	9.412	9.412	(0.928)	929518	7.50000	7.7742
130 Famphur 1	218	9.615	9.615	(0.948)	75041	7.50000	1.3270
132 3,3'-Dimethylbenzidine	212	9.661	9.661	(0.953)	1054338	7.50000	6.8838
134 2-Acetylaminofluorene	181	9.880	9.880	(0.974)	1155331	7.50000	8.1140
143 7,12-dimethylbenz[a]anthracen	256	11.021	11.021	(0.970)	1120455	7.50000	7.9608
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.636	11.636	(1.024)	1271903	7.50000	7.8686
193 3-Methylphenol	108	4.567	4.567	(1.082)	928520	7.50000	7.5494
69 1,4-Dinitrobenzene	168	6.483	6.483	(0.963)	285538	7.50000	7.9955(Q)
77 m-Dinitrobenzene	168	6.547	6.547	(0.972)	305709	7.50000	7.6820
88 2,3,4,6-Tetrachlorophenol	232	7.010	7.010	(1.041)	401380	7.50000	8.1266
97 5-Nitro-o-toluidine	152	7.213	7.213	(1.071)	493286	7.50000	8.0127
199 3-Picoline	93	3.124	3.124	(0.740)	1309896	7.50000	7.8469
200 N,N-Dimethylacetamide	44	3.153	3.153	(0.747)	717973	7.50000	7.1034
225 Methyl parathion	109	8.267	8.267	(1.039)	696953	7.50000	7.6789
226 Parathion	97	8.584	8.584	(1.079)	547005	7.50000	8.1496
227 Isodrin	66	8.825	8.825	(1.109)	479193	7.50000	7.4516
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\qcanch05\dd\chem\MSS\a4hp6.i\40412a.b\6AHH0412.D
Date : 12-APR-2004 12:46
Client ID:
Sample Info: 18,40412a,b,8270p,2-ap9,sub,1,,8
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AHH0412.D
Lab Smp Id: 18
Inj Date : 12-APR-2004 12:46
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 18,40412a.b,8270p,2-ap9.sub,1,,8
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:17 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 12:26 Cal File: 6AHHH412.D
Calibration Sample, Level: 8
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

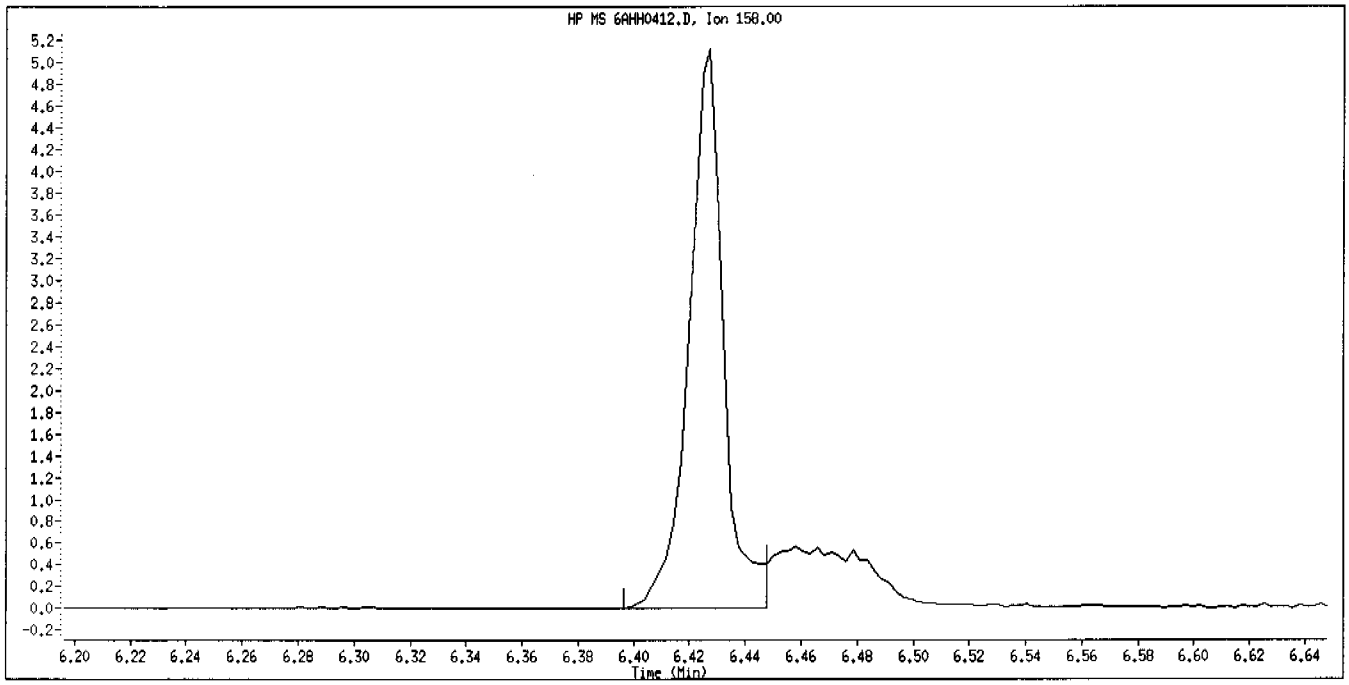
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.223	4.223	(1.000)	137079	2.00000	
* 2 Naphthalene-d8	136	5.277	5.277	(1.000)	560230	2.00000	
* 3 Acenaphthene-d10	164	6.735	6.735	(1.000)	318403	2.00000	
* 4 Phenanthrene-d10	188	7.959	7.959	(1.000)	537369	2.00000	
* 5 Chrysene-d12	240	10.140	10.140	(1.000)	551193	2.00000	
* 6 Perylene-d12	264	11.356	11.356	(1.000)	382804	2.00000	
7 N-Nitrosomorpholine	56	4.596	4.596	(1.088)	727903	10.0000	9.6539
8 Ethyl methanesulfonate	79	3.629	3.629	(0.859)	1540642	10.0000	10.271
14 2-Picoline	93	2.788	2.788	(0.660)	1765745	10.0000	10.191
15 N-Nitrosomethylethylamine	88	2.883	2.883	(0.683)	853348	10.0000	10.775
16 Methyl methanesulfonate	80	3.107	3.107	(0.736)	1149379	10.0000	10.311
18 1,3-Dichloro-2-propanol	79	3.431	3.431	(0.812)	2184922	10.0000	10.669
19 N-Nitrosodiethylamine	102	3.398	3.398	(0.805)	761644	10.0000	10.224
25 Pentachloroethane	167	3.997	3.997	(0.946)	383611	10.0000	10.224
36 N-Nitrosopyrrolidine	100	4.570	4.570	(1.082)	649462	10.0000	9.4868
39 o-Toluidine	106	4.601	4.601	(1.089)	2280885	10.0000	10.366
40 N-Nitrosopiperidine	114	4.843	4.843	(0.918)	648986	10.0000	10.425
45 O,O,O-Triethyl phosphorothioa	198	5.056	5.056	(0.958)	529453	10.0000	10.270
53 a,a-Dimethyl-phenethylamine	58	5.138	5.138	(0.974)	3582925	10.0000	11.599
54 2,6-Dichlorophenol	162	5.357	5.357	(1.015)	791994	10.0000	10.874
55 Hexachloropropene	213	5.370	5.370	(1.018)	708160	10.0000	10.703
58 N-Nitrosodi-n-butylamine	84	5.632	5.632	(1.067)	1294152	10.0000	10.374
60 p-Phenylene diamine	108	5.655	5.655	(1.072)	1438479	10.0000	11.233
61 Safrole	162	5.804	5.804	(1.100)	790627	10.0000	10.241
65 1,2,4,5-Tetrachlorobenzene	216	6.015	6.015	(0.893)	947334	10.0000	10.189
71 Isosafrole 1	162	6.041	6.041	(0.897)	252473	10.0000	10.419
72 Isosafrole 2	162	6.236	6.236	(0.926)	1549718	10.0000	10.200
75 1,4-Naphthoquinone	158	6.427	6.427	(0.954)	555393	10.0000	8.9190(M)
84 Pentachlorobenzene	250	6.874	6.874	(1.021)	786934	10.0000	10.139
89 1-Naphthylamine	143	6.977	6.977	(1.036)	2078738	10.0000	11.108
92 2-Naphthylamine	143	7.046	7.046	(1.046)	2000470	10.0000	11.200
90 Zinophos	97	7.170	7.170	(1.065)	796062	10.0000	10.688
102 Tetraethyl dithiopyrophosphat	202	7.419	7.419	(0.932)	310119	10.0000	10.946

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.525	7.525	(0.945)	2766144	10.0000	10.539
109 Diallate 2	86	7.594	7.594	(0.954)	599950	10.0000	10.786
104 Phorate	121	7.538	7.538	(0.947)	481712	10.0000	10.546(Q)
105 1,3,5-Trinitrobenzene	213	7.520	7.520	(0.945)	255460	10.0000	11.021(Q)
108 Phenacetin	108	7.571	7.571	(0.951)	1625504	10.0000	11.161
110 Dimethoate	87	7.692	7.692	(0.966)	1217375	10.0000	10.121
112 Pentachloronitrobenzene	237	7.820	7.820	(0.983)	310061	10.0000	11.238
113 4-Aminobiphenyl	169	7.813	7.813	(0.982)	2424910	10.0000	11.775
114 Pronamide	173	7.864	7.864	(0.988)	1057658	10.0000	11.008
117 Dinoseb	211	7.964	7.964	(1.001)	624604	10.0000	12.554
118 Disulfoton	88	7.962	7.962	(1.000)	2001647	10.0000	10.237
121 4-Nitroquinoline 1-oxide	190	8.630	8.630	(1.084)	365529	10.0000	14.180
122 Methapyrilene	58	8.672	8.672	(1.089)	1184666	10.0000	8.8990
126 Aramite 1	185	9.240	9.240	(0.911)	203473	10.0000	10.975
127 Aramite 2	185	9.304	9.304	(0.918)	246808	10.0000	10.654
128 p-Dimethylamino azobenzene	225	9.384	9.384	(0.925)	831901	10.0000	11.003
129 p-Chlorobenzilate	139	9.415	9.415	(0.928)	1285768	10.0000	10.976
130 Famphur 1	218	9.613	9.613	(0.948)	47740	10.0000	0.86163
132 3,3'-Dimethylbenzidine	212	9.662	9.662	(0.953)	1507925	10.0000	10.048
134 2-Acetylaminofluorene	181	9.885	9.885	(0.975)	1641550	10.0000	11.767
143 7,12-dimethylbenz[a]anthracen	256	11.025	11.025	(0.971)	1543830	10.0000	10.835
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.639	11.639	(1.025)	1747761	10.0000	10.680
193 3-Methylphenol	108	4.570	4.570	(1.082)	1300761	10.0000	10.954
69 1,4-Dinitrobenzene	168	6.486	6.486	(0.963)	398489	10.0000	11.117
77 m-Dinitrobenzene	168	6.550	6.550	(0.973)	436301	10.0000	10.923
88 2,3,4,6-Tetrachlorophenol	232	7.013	7.013	(1.041)	556602	10.0000	11.227
97 5-Nitro-o-toluidine	152	7.219	7.219	(1.072)	675313	10.0000	10.929
199 3-Picoline	93	3.125	3.125	(0.740)	1744883	10.0000	10.826
200 N,N-Dimethylacetamide	44	3.153	3.153	(0.747)	984806	10.0000	10.092
225 Methyl parathion	109	8.270	8.270	(1.039)	935144	10.0000	10.529
226 Parathion	97	8.587	8.587	(1.079)	745680	10.0000	11.353
227 Isodrin	66	8.826	8.826	(1.109)	685457	10.0000	10.893
228 Kepone	272	Compound Not Detected.					

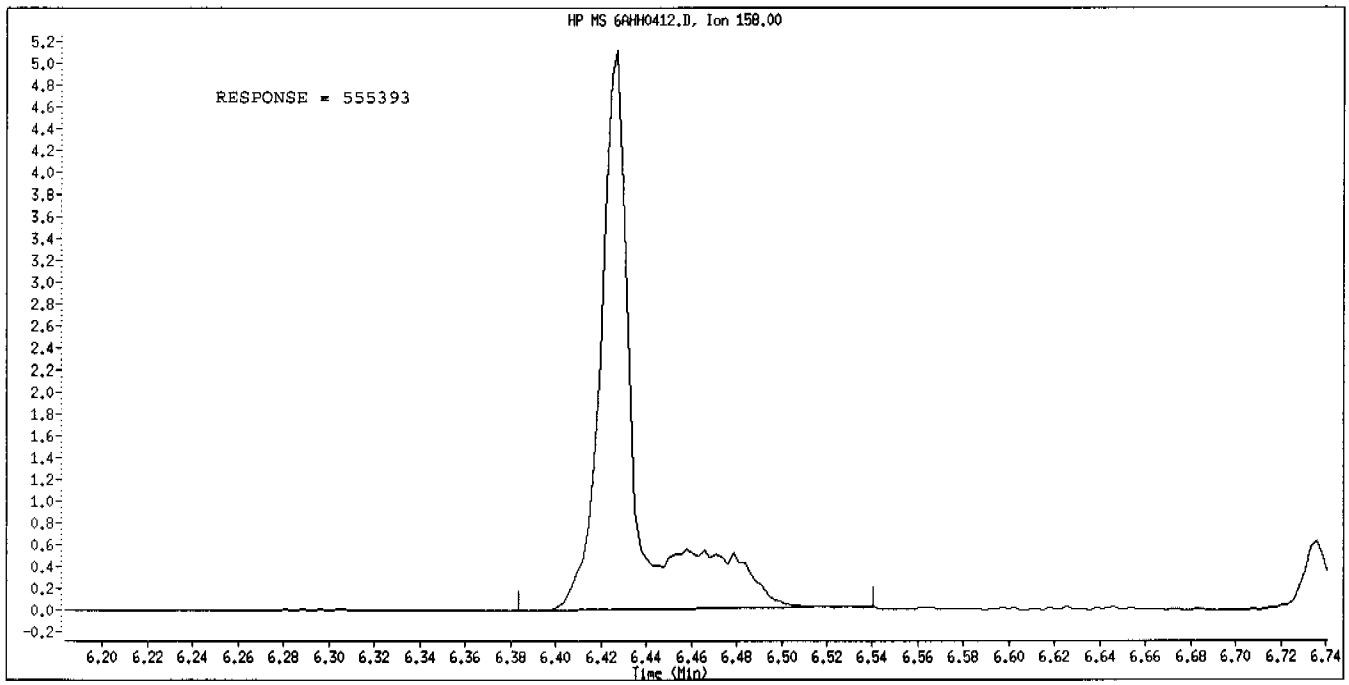
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: 6AHH0412.D
Inj. Date and Time: 12-APR-2004 12:46
Instrument ID: a4hp6.i
Client ID:
Compound Name: 1,4-Naphthoquinone
CAS #: 130-15-4
Report Date: 04/12/2004



Original Integration

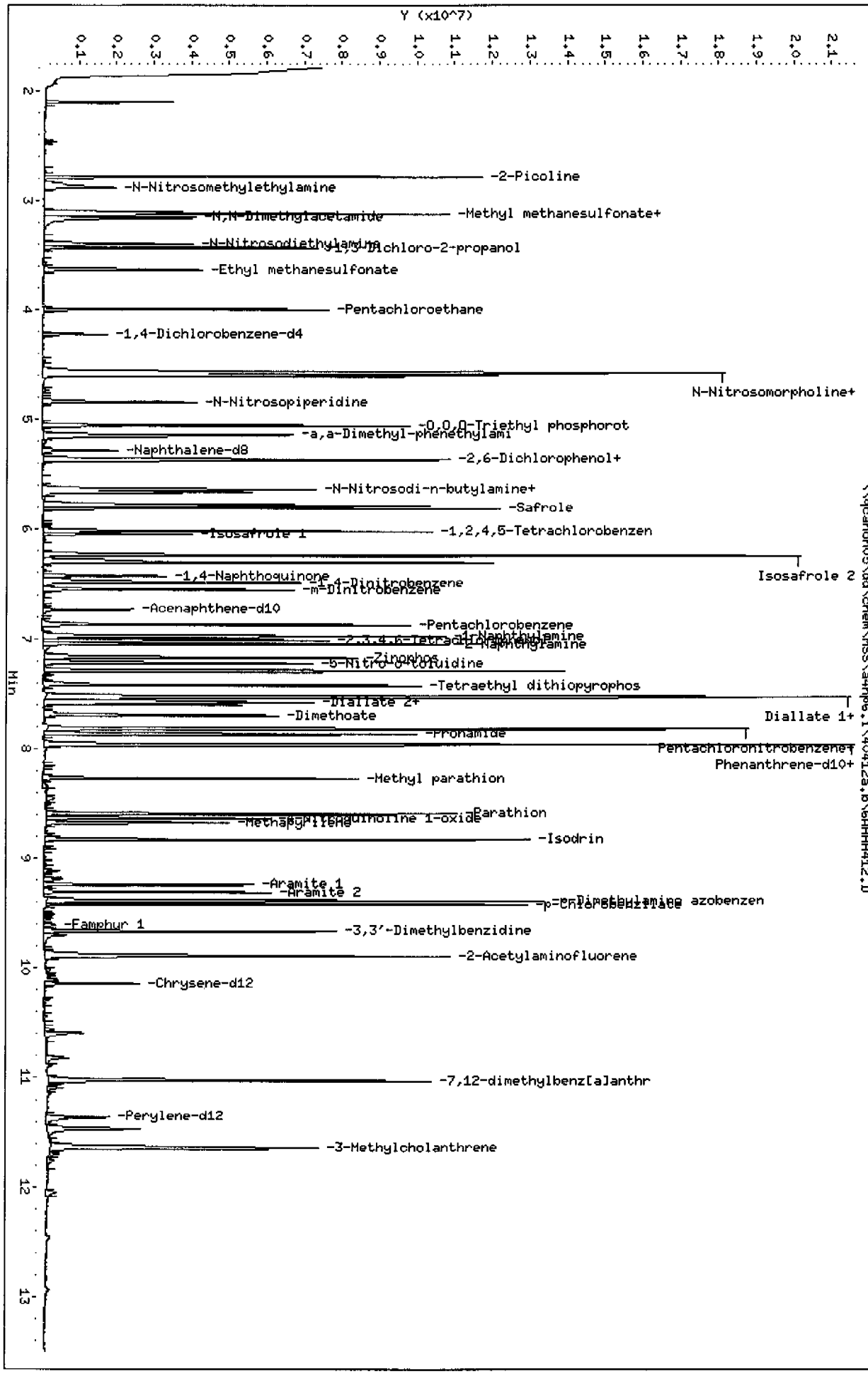


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AHHH412.D
Date : 12-APR-2004 12:26
Client ID:
Sample Info: 19,40412a,b,8270p,2-ap9,sub,1,,9
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6AHHH412.D
Lab Smp Id: 19
Inj Date : 12-APR-2004 12:26 Inst ID: a4hp6.i
Operator : 001710
Smp Info : 19,40412a.b,8270p,2-ap9.sub,1,,9
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 15:17 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 12:26 Cal File: 6AHHH412.D
Calibration Sample, Level: 9
Als bottle: 12
Dil Factor: 1.00000 Compound Sublist: 2-ap9.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV05

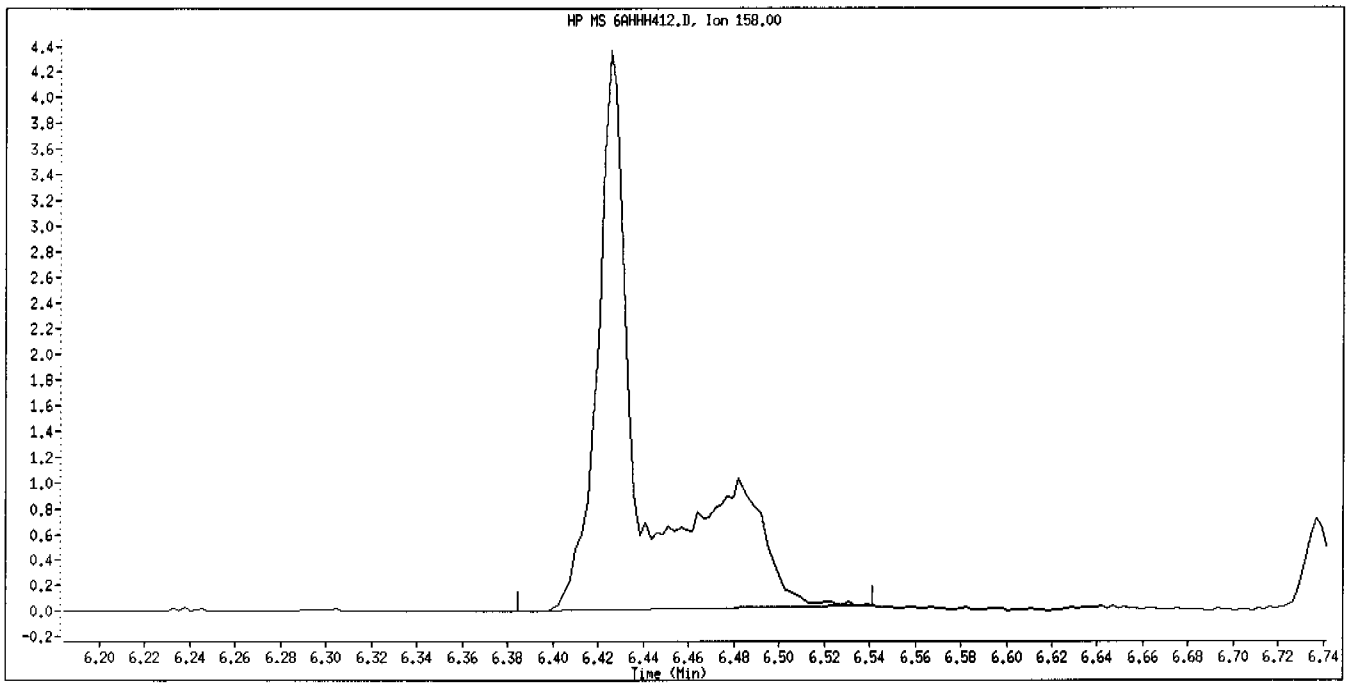
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.221	4.221	(1.000)	155084	2.00000	
* 2 Naphthalene-d8	136	5.281	5.281	(1.000)	624820	2.00000	
* 3 Acenaphthene-d10	164	6.736	6.736	(1.000)	351489	2.00000	
* 4 Phenanthrene-d10	188	7.963	7.963	(1.000)	600334	2.00000	
* 5 Chrysene-d12	240	10.141	10.141	(1.000)	639334	2.00000	
* 6 Perylene-d12	264	11.360	11.360	(1.000)	424533	2.00000	
7 N-Nitrosomorpholine	56	4.602	4.602	(1.090)	1013546	12.5000	11.882
8 Ethyl methanesulfonate	79	3.635	3.635	(0.861)	2087118	12.5000	12.299
14 2-Picoline	93	2.789	2.789	(0.661)	2379825	12.5000	12.141
15 N-Nitrosomethylethylamine	88	2.887	2.887	(0.684)	1163049	12.5000	12.980(Q)
16 Methyl methanesulfonate	80	3.113	3.113	(0.737)	1570062	12.5000	12.450
18 1,3-Dichloro-2-propanol	79	3.434	3.434	(0.814)	2936142	12.5000	12.672
19 N-Nitrosodiethylamine	102	3.401	3.401	(0.806)	1032436	12.5000	12.250
25 Pentachloroethane	167	3.998	3.998	(0.947)	520373	12.5000	12.259
36 N-Nitrosopyrrolidine	100	4.576	4.576	(1.084)	911037	12.5000	11.763
39 o-Toluidine	106	4.602	4.602	(1.090)	3243829	12.5000	13.030
40 N-Nitrosopiperidine	114	4.846	4.846	(0.918)	856990	12.5000	12.344
45 O,O,O-Triethyl phosphorothioa	198	5.060	5.060	(0.958)	700627	12.5000	12.186(Q)
53 a,a-Dimethyl-phenethylamine	58	5.139	5.139	(0.973)	4759133	12.5000	13.814
54 2,6-Dichlorophenol	162	5.360	5.360	(1.015)	1074826	12.5000	13.231(Q)
55 Hexachloropropene	213	5.371	5.371	(1.017)	953396	12.5000	12.920
58 N-Nitrosodi-n-butylamine	84	5.636	5.636	(1.067)	1778305	12.5000	12.782
60 p-Phenylene diamine	108	5.661	5.661	(1.072)	1815070	12.5000	12.708(Q)
61 Safrole	162	5.808	5.808	(1.100)	1027934	12.5000	11.938
65 1,2,4,5-Tetrachlorobenzene	216	6.016	6.016	(0.893)	1240000	12.5000	12.082
71 Isosafrole 1	162	6.044	6.044	(0.897)	344509	12.5000	12.879
72 Isosafrole 2	162	6.240	6.240	(0.926)	2063866	12.5000	12.306
75 1,4-Naphthoquinone	158	6.425	6.425	(0.954)	632500	12.5000	9.2011(M)
84 Pentachlorobenzene	250	6.878	6.878	(1.021)	1042549	12.5000	12.168
89 1-Naphthylamine	143	6.983	6.983	(1.037)	2766479	12.5000	13.392
92 2-Naphthylamine	143	7.052	7.052	(1.047)	2737034	12.5000	13.882
90 Zinophos	97	7.173	7.173	(1.065)	1062365	12.5000	12.921
102 Tetraethyl dithiopyrophosphat	202	7.425	7.425	(0.933)	408681	12.5000	12.912

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.528	7.528	(0.945)	3797373	12.5000	12.951
109 Diallate 2	86	7.598	7.598	(0.954)	807322	12.5000	12.992
104 Phorate	121	7.541	7.541	(0.947)	635217	12.5000	12.448(Q)
105 1,3,5-Trinitrobenzene	213	7.523	7.523	(0.945)	323841	12.5000	12.505(Q)
108 Phenacetin	108	7.580	7.580	(0.952)	2211327	12.5000	13.590
110 Dimethoate	87	7.698	7.698	(0.967)	1491650	12.5000	11.101
112 Pentachloronitrobenzene	237	7.824	7.824	(0.983)	415737	12.5000	13.488
113 4-Aminobiphenyl	169	7.819	7.819	(0.982)	3275627	12.5000	14.237
114 Pronamide	173	7.870	7.870	(0.988)	1412859	12.5000	13.163
117 Dinoseb	211	7.968	7.968	(1.001)	836518	12.5000	15.050
118 Disulfoton	88	7.968	7.968	(1.001)	2727225	12.5000	12.485
121 4-Nitroquinoline 1-oxide	190	8.634	8.634	(1.084)	511771	12.5000	17.770(Q)
122 Methapyrilene	58	8.672	8.672	(1.089)	1273251	12.5000	8.5613
126 Aramite 1	185	9.241	9.241	(0.911)	268546	12.5000	12.488
127 Aramite 2	185	9.308	9.308	(0.918)	339503	12.5000	12.635
128 p-Dimethylamino azobenzene	225	9.387	9.387	(0.926)	1115235	12.5000	12.716(Q)
129 p-Chlorobenzilate	139	9.418	9.418	(0.929)	1749114	12.5000	12.873
130 Famphur 1	218	9.608	9.608	(0.948)	84874	12.5000	1.3206
132 3,3'-Dimethylbenzidine	212	9.665	9.665	(0.953)	2131945	12.5000	12.248
134 2-Acetylaminofluorene	181	9.894	9.894	(0.976)	2201205	12.5000	13.603
143 7,12-dimethylbenz[a]anthracen	256	11.028	11.028	(0.971)	2094789	12.5000	13.256
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.645	11.645	(1.025)	2385022	12.5000	13.142(Q)
193 3-Methylphenol	108	4.579	4.579	(1.085)	1754281	12.5000	13.058
69 1,4-Dinitrobenzene	168	6.489	6.489	(0.963)	538692	12.5000	13.613(Q)
77 m-Dinitrobenzene	168	6.554	6.554	(0.973)	577081	12.5000	13.087(Q)
88 2,3,4,6-Tetrachlorophenol	232	7.014	7.014	(1.041)	763840	12.5000	13.957
97 5-Nitro-o-toluidine	152	7.227	7.227	(1.073)	927215	12.5000	13.593(Q)
199 3-Picoline	93	3.126	3.126	(0.741)	2399789	12.5000	13.161(Q)
200 N,N-Dimethylacetamide	44	3.157	3.157	(0.748)	1321609	12.5000	11.971(Q)
225 Methyl parathion	109	8.274	8.274	(1.039)	1220897	12.5000	12.305
226 Parathion	97	8.593	8.593	(1.079)	984739	12.5000	13.420
227 Isodrin	66	8.827	8.827	(1.108)	914321	12.5000	13.006
228 Kepone	272	Compound Not Detected.					

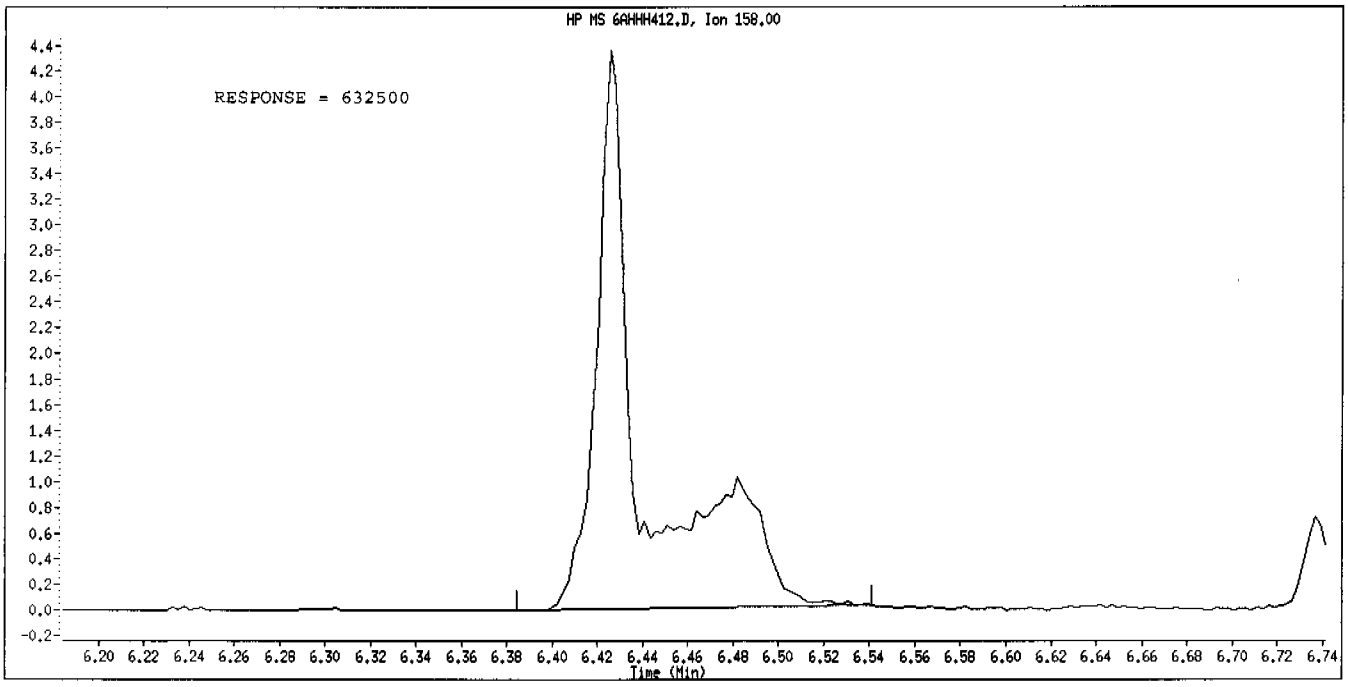
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: 6AHHH412.D
Inj. Date and Time: 12-APR-2004 12:26
Instrument ID: a4hp6.i
Client ID:
Compound Name: 1,4-Naphthoquinone
CAS #: 130-15-4
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 12-APR-2004 15:12
Lab File ID: ICVAP9.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: icvap9 Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 N Nitrosomorpholine	1.10010	1.14849	1.14849	0.010	-4.39852	50.00000	Averaged
8 Ethyl methanesulfonate	2.18846	2.20018	2.20018	0.010	-0.53555	50.00000	Averaged
14 2-Picoline	2.52791	2.59296	2.59296	0.010	-2.57321	50.00000	Averaged
15 N-Nitrosomethylethylamine	1.15550	1.24392	1.24392	0.010	-7.65261	50.00000	Averaged
16 Methyl methanesulfonate	1.62636	1.62612	1.62612	0.010	0.01478	50.00000	Averaged
18 1,3-Dichloro-2-propanol	2.98796	3.09569	3.09569	0.010	-3.60537	50.00000	Averaged
19 N-Nitrosodiethylamine	1.08687	1.12207	1.12207	0.010	-3.23889	50.00000	Averaged
25 Pentachloroethane	0.54740	0.56274	0.56274	0.010	-2.80307	50.00000	Averaged
36 N-Nitrosopyrrolidine	0.99884	1.08196	1.08196	0.010	-8.32266	50.00000	Averaged
39 o-Toluidine	3.21039	3.31586	3.31586	0.010	-3.28520	50.00000	Averaged
40 N-Nitrosopiperidine	0.22223	0.22764	0.22764	0.010	-2.43157	50.00000	Averaged
45 O,O,O-Triethyl phosphorothi	0.18403	0.19344	0.19344	0.010	-5.11072	50.00000	Averaged
53 a,a-Dimethyl-phenethylamine	5.00000	5.43452	1.28650	0.010	-8.69034	0.000e+000	Quadratic
54 2,6-Dichlorophenol	0.26002	0.27765	0.27765	0.010	-6.78041	50.00000	Averaged
55 Hexachloropropene	0.23621	0.25010	0.25010	0.010	-5.87989	50.00000	Averaged
58 N-Nitrosodi-n-butylamine	0.44535	0.46993	0.46993	0.010	-5.51892	50.00000	Averaged
60 p-Phenylene diamine	5.00000	5.30438	0.55239	0.010	-6.08768	0.000e+000	Quadratic
61 Safrole	0.27561	0.29075	0.29075	0.010	-5.49487	50.00000	Averaged
65 1,2,4,5-Tetrachlorobenzene	0.58400	0.60207	0.60207	0.010	-3.09466	50.00000	Averaged
71 Isosafrole 1	0.15221	0.16414	0.16414	0.010	-7.83535	50.00000	Averaged
M 188 Isosafrole, Total	1.10653	1.21021	1.21021	0.010	-9.36952	50.00000	Averaged
72 Isosafrole 2	0.95432	1.04607	1.04607	0.010	-9.61422	50.00000	Averaged
75 1,4-Naphthoquinone	5.00000	5.62625	0.42203	0.010	-12.52493	0.000e+000	Quadratic
84 Pentachlorobenzene	0.48753	0.50001	0.50001	0.010	-2.56102	50.00000	Averaged
89 1-Naphthylamine	1.17542	1.30083	1.30083	0.010	-10.66933	50.00000	Averaged
92 2-Naphthylamine	1.12188	1.24088	1.24088	0.010	-10.60717	50.00000	Averaged
90 Zinophos	0.46785	0.49584	0.49584	0.010	-5.98339	50.00000	Averaged
102 Tetraethyl dithiopyrophosph	0.10544	0.11108	0.11108	0.010	-5.34394	50.00000	Averaged
103 Diallate 1	0.97682	1.03414	1.03414	0.010	-5.86824	50.00000	Averaged
M 189 Diallate, Total	4.76396	4.98979	4.98979	0.010	-4.74042	50.00000	Averaged
109 Diallate 2	0.20701	0.22588	0.22588	0.010	-9.11322	50.00000	Averaged
104 Phorate	0.17000	0.18157	0.18157	0.010	-6.80649	50.00000	Averaged
105 1,3,5-Trinitrobenzene	5.00000	5.03767	0.10240	0.010	-0.75341	0.000e+000	Quadratic
108 Phenacetin	0.54207	0.61568	0.61568	0.010	-13.57921	50.00000	Averaged
110 Dimethoate	0.44767	0.50406	0.50406	0.010	-12.59695	50.00000	Averaged
112 Pentachloronitrobenzene	0.10269	0.10953	0.10953	0.010	-6.66468	50.00000	Averaged
113 4-Aminobiphenyl	0.76648	0.87634	0.87634	0.010	-14.33190	50.00000	Averaged
114 Pronamide	0.35759	0.39152	0.39152	0.010	-9.49105	50.00000	Averaged
117 Dinoseb	5.00000	5.17833	0.21156	0.010	-3.56652	0.000e+000	Quadratic
118 Disulfoton	0.72775	0.71134	0.71134	0.010	2.25419	50.00000	Averaged
121 4-Nitroquinoline 1-oxide	5.00000	4.90962	0.11222	0.010	1.80761	0.000e+000	Quadratic
122 Methapyrilene	5.00000	5.39309	0.55060	0.010	-7.86183	0.000e+000	Quadratic

STL - North Canton

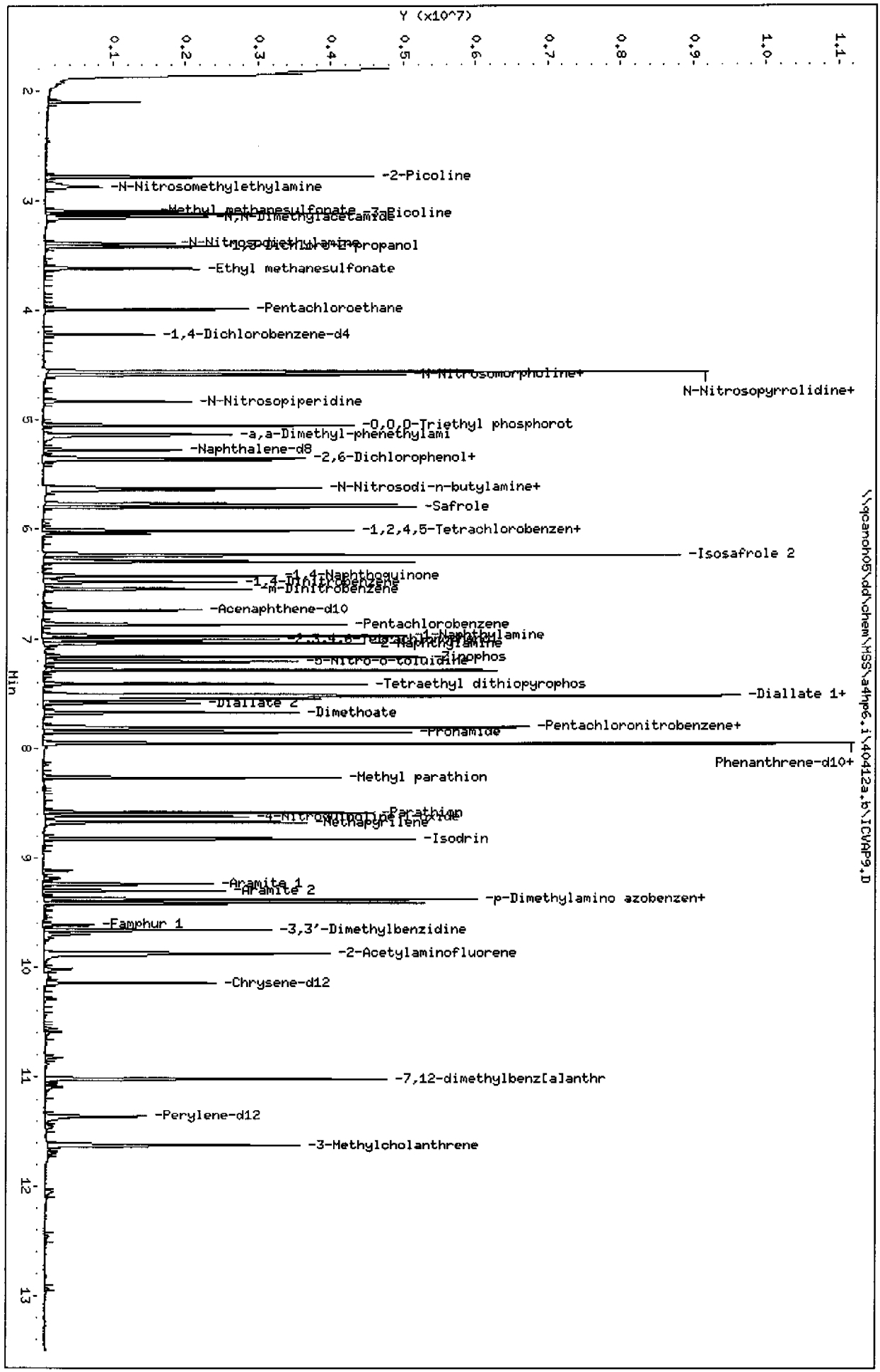
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 12-APR-2004 15:12
Lab File ID: ICVAP9.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: icvap9 Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
126 Aramite 1	0.06727	0.06684	0.06684	0.010	0.64011	50.00000	Averaged	
M 191 Aramite, Total	0.60713	0.62388	0.62388	0.010	-2.76003	50.00000	Averaged	
127 Aramite 2	0.08405	0.08799	0.08799	0.010	-4.68344	50.00000	Averaged	
128 p-Dimethylamino azobenzene	0.27435	0.29585	0.29585	0.010	-7.83757	50.00000	Averaged	
129 p-Chlorobenzilate	0.42506	0.45683	0.45683	0.010	-7.47525	50.00000	Averaged	
130 Famphur 1	0.20104	0.08534	0.08534	0.010	57.55178	50.00000	Averaged	<-
132 3,3'-Dimethylbenzidine	0.54450	0.52907	0.52907	0.010	2.83509	50.00000	Averaged	
134 2-Acetylaminofluorene	5.00000	4.91208	0.54538	0.010	1.75836	0.000e+000	Quadratic	
143 7,12-dimethylbenz[a]anthrac	0.74445	0.85109	0.85109	0.010	-14.32442	50.00000	Averaged	
144 Hexachlorophene	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
145 Hexachlorophene product	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
148 3-Methylcholanthrene	0.85498	0.93388	0.93388	0.010	-9.22841	50.00000	Averaged	
193 3-Methylphenol	1.73254	1.81737	1.81737	0.010	-4.89609	50.00000	Averaged	
69 1,4-Dinitrobenzene	0.22516	0.24660	0.24660	0.010	-9.52297	50.00000	Averaged	
77 m-Dinitrobenzene	0.25090	0.27338	0.27338	0.010	-8.95815	50.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.31140	0.34521	0.34521	0.010	-10.85846	50.00000	Averaged	
97 5-Nitro-o-toluidine	0.38814	0.42605	0.42605	0.010	-9.76658	50.00000	Averaged	
199 3-Picoline	2.35147	2.53560	2.53560	0.010	-7.83036	50.00000	Averaged	
200 N,N-Dimethylacetamide	1.42379	1.44320	1.44320	0.010	-1.36357	50.00000	Averaged	
225 Methyl parathion	0.33055	0.36439	0.36439	0.010	-10.23579	50.00000	Averaged	
226 Parathion	0.24445	0.27162	0.27162	0.010	-11.11558	50.00000	Averaged	
227 Isodrin	0.23421	0.24740	0.24740	0.010	-5.63466	50.00000	Averaged	
228 Kepone	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\ICVAP9.D
Date : 12-APR-2004 15:12
Client ID:
Sample Info: icvap9,40412a,b,8270p,2-ap9,sub,2
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



Page 1

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\ICVAP9.D
Lab Smp Id: icvap9
Inj Date : 12-APR-2004 15:12
Operator : 001710 Inst ID: a4hp6.i
Smp Info : icvap9,40412a.b,8270p,2-ap9.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 12-Apr-2004 16:28 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12

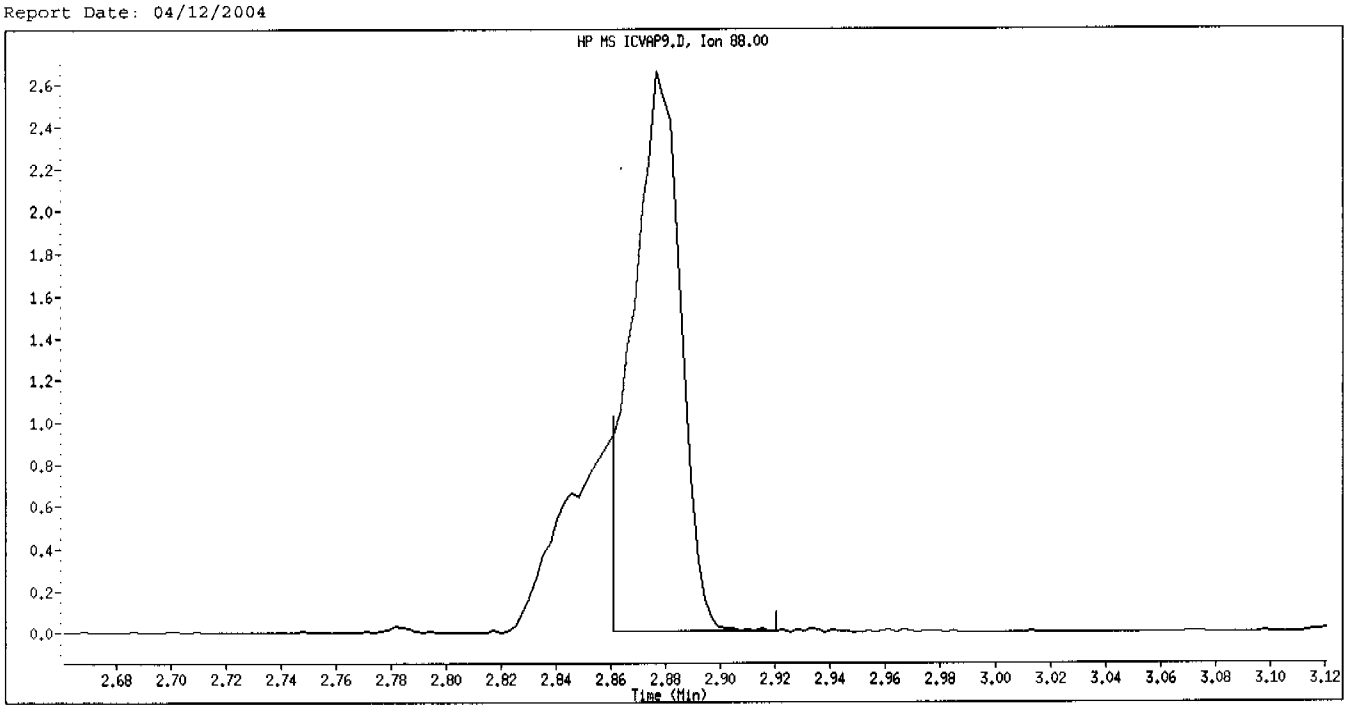
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.223	4.223	(1.000)	139433	2.00000	
* 2 Naphthalene-d8	136	5.278	5.278	(1.000)	557981	2.00000	
* 3 Acenaphthene-d10	164	6.736	6.736	(1.000)	311914	2.00000	
* 4 Phenanthrene-d10	188	7.960	7.960	(1.000)	552167	2.00000	
* 5 Chrysene-d12	240	10.140	10.140	(1.000)	561835	2.00000	
* 6 Perylene-d12	264	11.357	11.357	(1.000)	362927	2.00000	
7 N-Nitrosomorpholine	56	4.586	4.586	(1.086)	400342	5.00000	5.2199
8 Ethyl methanesulfonate	79	3.624	3.624	(0.858)	766944	5.00000	5.0268
14 2-Picoline	93	2.781	2.781	(0.658)	903859	5.00000	5.1287
15 N Nitrosomethylethylamine	88	2.876	2.876	(0.681)	433609	5.00000	5.3826(M)
16 Methyl methanesulfonate	80	3.100	3.100	(0.734)	566836	5.00000	4.9993
18 1,3-Dichloro-2-propanol	79	3.419	3.419	(0.809)	1079104	5.00000	5.1803
19 N Nitrosodiethylamine	102	3.393	3.393	(0.803)	391135	5.00000	5.1619
25 Pentachloroethane	167	3.995	3.995	(0.946)	196163	5.00000	5.1402
36 N-Nitrosopyrrolidine	100	4.560	4.560	(1.080)	377154	5.00000	5.4161
39 o-Toluidine	106	4.594	4.594	(1.088)	1155850	5.00000	5.1643
40 N-Nitrosopiperidine	114	4.835	4.835	(0.916)	317544	5.00000	5.1216
45 O,O,O-Triethyl phosphorothioa	198	5.054	5.054	(0.958)	269838	5.00000	5.2555
53 a,a-Dimethyl-phenethylamine	58	5.134	5.134	(0.973)	1794607	5.00000	5.4345(H)
54 2,6-Dichlorophenol	162	5.352	5.352	(1.014)	387308	5.00000	5.3390
55 Hexachloropropene	213	5.368	5.368	(1.017)	348876	5.00000	5.2940
58 N-Nitrosodi-n-butylamine	84	5.627	5.627	(1.066)	655524	5.00000	5.2759
60 p-Phenylene diamine	108	5.646	5.646	(1.070)	770552	5.00000	5.3044
61 Safrole	162	5.802	5.802	(1.099)	405587	5.00000	5.2747
65 1,2,4,5-Tetrachlorobenzene	216	6.011	6.011	(0.892)	469487	5.00000	5.1547
71 Isosafrole 1	162	6.042	6.042	(0.897)	127991	5.00000	5.3918
M 188 Isosafrole, Total	162				943703	5.00000	5.4685
72 Isosafrole 2	162	6.232	6.232	(0.925)	815712	5.00000	5.4807
75 1,4-Naphthoquinone	158	6.425	6.425	(0.954)	329092	5.00000	5.6262
84 Pentachlorobenzene	250	6.872	6.872	(1.020)	389904	5.00000	5.1280
89 1-Naphthylamine	143	6.972	6.972	(1.035)	1014368	5.00000	5.5335
92 2 Naphthylamine	143	7.039	7.039	(1.045)	967617	5.00000	5.5304
90 Zinophos	97	7.163	7.163	(1.063)	386648	5.00000	5.2992
102 Tetraethyl dithiopyrophosphat	202	7.415	7.415	(0.931)	153333	5.00000	5.2672

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.523	7.523	(0.945)	1427550	5.00000	5.2934
M 189 Diallate, Total	100				1739354	5.00000	5.2370
109 Diallate 2	86	7.592	7.592	(0.954)	311804	5.00000	5.4557
104 Phorate	121	7.530	7.530	(0.946)	250645	5.00000	5.3403
105 1,3,5-Trinitrobenzene	213	7.510	7.510	(0.943)	141348	5.00000	5.0377
108 Phenacetin	108	7.556	7.556	(0.949)	849897	5.00000	5.6790
110 Dimethoate	87	7.680	7.680	(0.965)	695810	5.00000	5.6298
112 Pentachloronitrobenzene	237	7.816	7.816	(0.982)	151201	5.00000	5.3332
113 4-Aminobiphenyl	169	7.808	7.808	(0.981)	1209710	5.00000	5.7166
114 Pronamide	173	7.854	7.854	(0.987)	540467	5.00000	5.4746
117 Dinoseb	211	7.955	7.955	(0.999)	292040	5.00000	5.1783
118 Disulfoton	88	7.957	7.957	(1.000)	981953	5.00000	4.8873
121 4-Nitroquinoline 1-oxide	190	8.623	8.623	(1.083)	154913	5.00000	4.9096(Q)
122 Methapyrilene	58	8.670	8.670	(1.089)	760056	5.00000	5.3931
126 Aramite 1	185	9.238	9.238	(0.911)	93885	5.00000	4.9680
M 191 Aramite, Total	100				217475	5.00000	5.1380
127 Aramite 2	185	9.300	9.300	(0.917)	123590	5.00000	5.2342
128 p Dimethylamino azobenzene	225	9.379	9.379	(0.925)	415545	5.00000	5.3919
129 p-Chlorobenzilate	139	9.413	9.413	(0.928)	641659	5.00000	5.3738
130 Famphur 1	218	9.616	9.616	(0.948)	119866	5.00000	2.1224
132 3,3'-Dimethylbenzidine	212	9.660	9.660	(0.953)	743120	5.00000	4.8582
134 2-Acetylaminofluorene	181	9.876	9.876	(0.974)	766033	5.00000	4.9121
143 7,12-dimethylbenz[a]anthracen	256	11.017	11.017	(0.970)	772211	5.00000	5.7162
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.627	11.627	(1.024)	847325	5.00000	5.4614
193 3-Methylphenol	108	4.563	4.563	(1.080)	633504	5.00000	5.2448
69 1,4-Dinitrobenzene	168	6.479	6.479	(0.962)	192297	5.00000	5.4761
77 m-Dinitrobenzene	168	6.546	6.546	(0.972)	213178	5.00000	5.4479
88 2,3,4,6-Tetrachlorophenol	232	7.008	7.008	(1.040)	269192	5.00000	5.5429
97 5-Nitro-o-toluidine	152	7.209	7.209	(1.070)	332229	5.00000	5.4883
199 3-Picoline	93	3.120	3.120	(0.739)	883866	5.00000	5.3915
200 N,N-Dimethylacetamide	44	3.154	3.154	(0.747)	503076	5.00000	5.0682
225 Methyl parathion	109	8.266	8.266	(1.038)	503005	5.00000	5.5118
226 Parathion	97	8.582	8.582	(1.078)	374953	5.00000	5.5558
227 Isodrin	66	8.824	8.824	(1.109)	341518	5.00000	5.2817
228 Kepone	272	Compound Not Detected.					

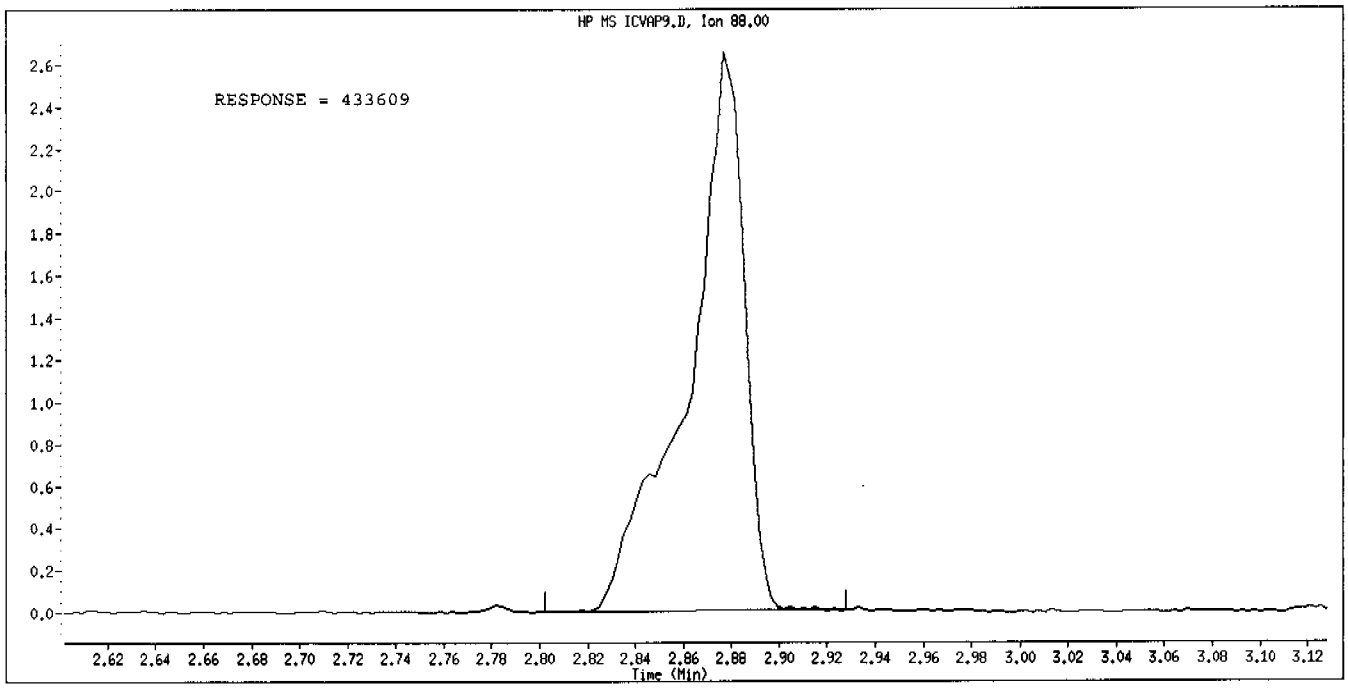
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: ICVAP9.D
Inj. Date and Time: 12-APR-2004 15:12
Instrument ID: a4hp6.i
Client ID:
Compound Name: N-Nitrosomethylethylamine
CAS #: 10595-95-6
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Calibration History

Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40413a.b\8270p.m
Start Cal Date: 12-APR-2004 09:04
End Cal Date : 12-APR-2004 14:51
Last Cal Level: 2
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
12-APR-2004 10:25	pah	6SLL0412.D
Cal Level: 2 , Cal Amount: 0.25000		
12-APR-2004 14:51	2-ap9	6AL0412.D
12-APR-2004 10:05	3-827042	6SL0412.D
Cal Level: 3 , Cal Amount: 0.50000		
12-APR-2004 14:30	2-ap9	6AML0412.D
12-APR-2004 09:44	3-827042	6SML0412.D
Cal Level: 4 , Cal Amount: 1.00000		
12-APR-2004 14:09	2-ap9	6AM0412.D
12-APR-2004 09:24	3-827042	6SM0412.D
Cal Level: 5 , Cal Amount: 2.50000		
12-APR-2004 13:49	2-ap9	6AMM0412.D
12-APR-2004 09:04	3-827042	6SMM0412.D
Cal Level: 6 , Cal Amount: 5.00000		
12-APR-2004 13:28	2-ap9	6AMH0412.D
12-APR-2004 10:45	3-827042	6SMH0412.D
Cal Level: 7 , Cal Amount: 7.50000		
12-APR-2004 13:07	2-ap9	6AH0412.D
12-APR-2004 11:05	3-827042	6SH0412.D
Cal Level: 8 , Cal Amount: 10.00000		

12-APR-2004 11:25	3-827042	6SHH0412.D

Cal Level: 9 , Cal Amount: 12.50000		
12-APR-2004 12:26	2-ap9	6AHHH412.D
12-APR-2004 11:45	L9	6HHH0412.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 6

13-APR-2004 08:23	3-827042	6SMH0413.D
13-APR-2004 08:44	2-ap9	6AMH0413.D

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 13-APR-2004 08:23
Lab File ID: 6SMH0413.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40413a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
198 1,4-Dioxane	0.83130	0.77568	0.77568	0.010	6.69034	50.00000	Averaged
9 Pyridine	2.23304	2.27395	2.27395	0.010	-1.83208	50.00000	Averaged
10 N-Nitrosodimethylamine	1.69534	1.57617	1.57617	0.010	7.02929	50.00000	Averaged
12 3-Chloropropionitrile	0.89421	0.85089	0.85089	0.010	4.84470	50.00000	Averaged
209 Benzaldehyde	5.00000	4.29375	1.45411	0.010	14.12495	0.000e+000	Quadratic
21 Aniline	3.20644	2.89200	2.89200	0.010	9.80667	50.00000	Averaged
22 Phenol	2.64254	2.38426	2.38426	0.010	9.77395	20.00000	Averaged
23 bis(2-Chloroethyl)ether	1.92319	1.72891	1.72891	0.010	10.10151	50.00000	Averaged
24 2-Chlorophenol	1.39266	1.46260	1.46260	0.010	-5.02198	50.00000	Averaged
26 1,3-Dichlorobenzene	1.27757	1.39667	1.39667	0.010	-9.32214	50.00000	Averaged
27 1,4-Dichlorobenzene	1.16329	1.25398	1.25398	0.010	-7.79593	20.00000	Averaged
28 1,2-Dichlorobenzene	1.23428	1.31807	1.31807	0.010	-6.78870	50.00000	Averaged
29 Benzyl Alcohol	1.22590	1.07584	1.07584	0.010	12.24044	50.00000	Averaged
30 2-Methylphenol	1.74801	1.56167	1.56167	0.010	10.66039	50.00000	Averaged
31 bis(2-Chloroisopropyl)ether	1.61737	1.46768	1.46768	0.010	9.25534	50.00000	Averaged
37 Acetophenone	2.39836	2.39856	2.39856	0.010	-0.00845	50.00000	Averaged
32 N-Nitroso-di-n-propylamine	2.04327	1.76571	1.76571	0.050	13.58440	50.00000	Averaged
192 4-Methylphenol	1.72261	1.62191	1.62191	0.010	5.84565	50.00000	Averaged
34 Hexachloroethane	0.62233	0.61523	0.61523	0.010	1.14071	50.00000	Averaged
35 Nitrobenzene	0.71946	0.64964	0.64964	0.010	9.70477	50.00000	Averaged
41 Isophorone	1.15796	1.07391	1.07391	0.010	7.25866	50.00000	Averaged
42 2-Nitrophenol	0.18712	0.20265	0.20265	0.010	-8.29979	20.00000	Averaged
43 2,4-Dimethylphenol	0.50562	0.47293	0.47293	0.010	6.46553	50.00000	Averaged
44 bis(2-Chloroethoxy)methane	0.60970	0.54162	0.54162	0.010	11.16605	50.00000	Averaged
46 2,4-Toluenediamene	5.00000	2.90628	0.05128	0.010	41.87441	0.000e+000	Quadratic
47 1,3,5-Trichlorobenzene	0.28692	0.29164	0.29164	0.010	-1.64603	50.00000	Averaged
48 2,4-Dichlorophenol	0.28247	0.29327	0.29327	0.010	-3.82159	20.00000	Averaged
49 Benzoic Acid	10.00000	9.09045	0.20427	0.010	9.09550	0.000e+000	Quadratic
50 1,2,4-Trichlorobenzene	0.28755	0.28371	0.28371	0.010	1.33514	50.00000	Averaged
51 Naphthalene	1.01149	1.06520	1.06520	0.010	-5.31012	50.00000	Averaged
52 4-Chloroaniline	0.41479	0.42130	0.42130	0.010	-1.56918	50.00000	Averaged
56 Hexachlorobutadiene	0.17257	0.17451	0.17451	0.010	-1.12799	20.00000	Averaged
210 Caprolactam	0.13395	0.13167	0.13167	0.010	1.69956	50.00000	Averaged
57 1,2,3-Trichlorobenzene	0.27249	0.26735	0.26735	0.010	1.88948	50.00000	Averaged
59 4-Chloro-3-Methylphenol	0.42323	0.42063	0.42063	0.010	0.61505	20.00000	Averaged
62 2-Methylnaphthalene	0.63625	0.65957	0.65957	0.010	-3.66620	50.00000	Averaged
63 1-Methylnaphthalene	0.61906	0.63596	0.63596	0.010	-2.72950	50.00000	Averaged
64 Hexachlorocyclopentadiene	0.35437	0.40545	0.40545	0.050	-14.41688	50.00000	Averaged
66 2,4,6-Trichlorophenol	0.38421	0.38474	0.38474	0.010	-0.13664	20.00000	Averaged
67 2,4,5-Trichlorophenol	0.40111	0.40175	0.40175	0.010	-0.16049	50.00000	Averaged
211 1,1'-Biphenyl	1.43736	1.49200	1.49200	0.010	-3.80102	50.00000	Averaged
68 1,2,3,5-Tetrachlorobenzene	0.50394	0.52028	0.52028	0.010	-3.24253	50.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 13-APR-2004 08:23
Lab File ID: 6SMH0413.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40413a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 2-Chloronaphthalene	1.04016	1.10794	1.10794	0.010	-6.51580	50.00000	Averaged
73 2-Nitroaniline	0.65287	0.61433	0.61433	0.010	5.90382	50.00000	Averaged
74 1,2,3,4-Tetrachlorobenzene	0.48245	0.49167	0.49167	0.010	-1.91042	50.00000	Averaged
76 Dimethylphthalate	1.23702	1.28550	1.28550	0.010	-3.91918	50.00000	Averaged
78 2,6-Dinitrotoluene	0.26712	0.29310	0.29310	0.010	-9.72251	50.00000	Averaged
79 Acenaphthylene	1.82682	1.89063	1.89063	0.010	-3.49307	50.00000	Averaged
80 1,2-Dinitrobenzene	0.14532	0.15231	0.15231	0.010	-4.81073	50.00000	Averaged
81 3-Nitroaniline	0.30169	0.32076	0.32076	0.010	-6.32251	50.00000	Averaged
82 Acenaphthene	1.18983	1.21565	1.21565	0.010	-2.16979	20.00000	Averaged
83 2,4-Dinitrophenol	10.00000	9.28670	0.21486	0.050	7.13297	0.000e+000	Quadratic
85 4-Nitrophenol	5.00000	4.03103	0.24559	0.050	19.37942	0.000e+000	Quadratic
86 Dibenzofuran	1.61682	1.59271	1.59271	0.010	1.49143	50.00000	Averaged
87 2,4-Dinitrotoluene	0.37862	0.42930	0.42930	0.010	-13.38472	50.00000	Averaged
91 2,3,5,6-Tetrachlorophenol	0.34815	0.36056	0.36056	0.010	-3.56488	50.00000	Averaged
93 Diethylphthalate	1.32103	1.36308	1.36308	0.010	-3.18316	50.00000	Averaged
94 Fluorene	1.26622	1.35455	1.35455	0.010	-6.97657	50.00000	Averaged
95 4-Chlorophenyl-phenylether	0.63959	0.64668	0.64668	0.010	-1.10769	50.00000	Averaged
96 4-Nitroaniline	0.31832	0.32570	0.32570	0.010	-2.31936	50.00000	Averaged
98 4,6-Dinitro-2-methylphenol	0.14395	0.16129	0.16129	0.010	-12.04306	50.00000	Averaged
99 N-Nitrosodiphenylamine	0.51183	0.57233	0.57233	0.010	-11.82051	20.00000	Averaged
100 1,2-Diphenylhydrazine	1.35662	1.34934	1.34934	0.010	0.53697	50.00000	Averaged
106 4-Bromophenyl-phenylether	0.18887	0.20359	0.20359	0.010	-7.79339	50.00000	Averaged
107 Hexachlorobenzene	0.17960	0.20111	0.20111	0.010	-11.97300	50.00000	Averaged
212 Atrazine	0.18358	0.20998	0.20998	0.010	-14.38044	50.00000	Averaged
111 Pentachlorophenol	0.13651	0.15335	0.15335	0.010	-12.34073	20.00000	Averaged
115 Phenanthrene	1.02832	1.09267	1.09267	0.010	-6.25693	50.00000	Averaged
116 Anthracene	0.98391	1.09031	1.09031	0.010	-10.81430	50.00000	Averaged
119 Carbazole	0.93218	0.96499	0.96499	0.010	-3.51942	50.00000	Averaged
120 Di-n-Butylphthalate	1.19193	1.31383	1.31383	0.010	-10.22753	50.00000	Averaged
123 Fluoranthene	1.18266	1.19129	1.19129	0.010	-0.72949	20.00000	Averaged
124 Benzidine	5.00000	3.74757	0.47405	0.010	25.04863	0.000e+000	Quadratic
125 Pyrene	1.26237	1.21325	1.21325	0.010	3.89075	50.00000	Averaged
131 Butylbenzylphthalate	0.53111	0.56800	0.56800	0.010	-6.94497	50.00000	Averaged
133 3,3'-Dimethoxybenzidine	0.74551	0.78766	0.78766	0.010	-5.65399	50.00000	Averaged
135 3,3'-Dichlorobenzidine	0.40889	0.44070	0.44070	0.010	-7.78082	50.00000	Averaged
136 Benzo(a)Anthracene	1.16629	1.26035	1.26035	0.010	-8.06483	50.00000	Averaged
137 Chrysene	1.10731	1.13916	1.13916	0.010	-2.87634	50.00000	Averaged
138 4,4'-Methylene bis(o-chloro	0.20946	0.22995	0.22995	0.010	-9.78266	50.00000	Averaged
139 bis(2-ethylhexyl)Phthalate	0.78019	0.87165	0.87165	0.010	-11.72205	50.00000	Averaged
140 Di-n-octylphthalate	1.70730	1.75188	1.75188	0.010	-2.61146	20.00000	Averaged
141 Benzo(b)fluoranthene	1.53093	1.59190	1.59190	0.010	-3.98267	50.00000	Averaged
142 Benzo(k)fluoranthene	1.51563	1.80340	1.80340	0.010	-18.98671	50.00000	Averaged

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 13-APR-2004 08:23
Lab File ID: 6SMH0413.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40413a.b\8270p.m

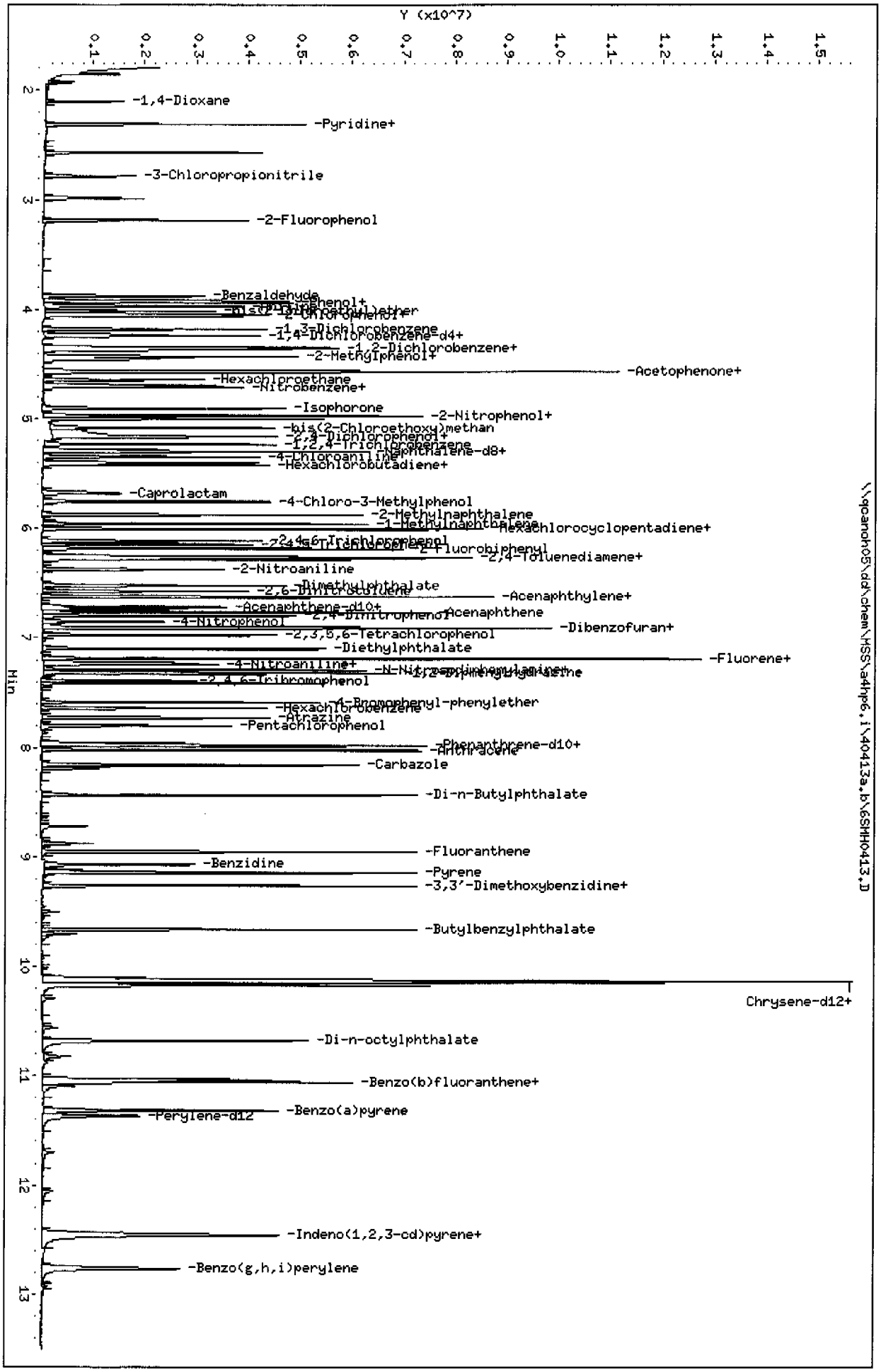
COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
146 Benzo(a)pyrene	1.36440	1.45282	1.45282	0.010	-6.48019	20.00000	Averaged
149 Indeno(1,2,3-cd)pyrene	1.50365	1.67034	1.67034	0.010	-11.08544	50.00000	Averaged
150 Dibenz(a,h)anthracene	1.26295	1.35863	1.35863	0.010	-7.57516	50.00000	Averaged
151 Benzo(g,h,i)perylene	1.26036	1.41067	1.41067	0.010	-11.92581	50.00000	Averaged
$ 154 Nitrobenzene-d5	0.67083	0.61786	0.61786	0.010	7.89710	50.00000	Averaged
$ 155 2-Fluorobiphenyl	1.33149	1.37023	1.37023	0.010	-2.90972	50.00000	Averaged
$ 156 Terphenyl-d14	0.76043	0.78766	0.78766	0.010	-3.58117	50.00000	Averaged
$ 157 Phenol-d5	2.32069	2.24123	2.24123	0.010	3.42416	50.00000	Averaged
$ 158 2-Fluorophenol	1.46887	1.49310	1.49310	0.010	-1.64931	50.00000	Averaged
$ 159 2,4,6-Tribromophenol	0.15381	0.16099	0.16099	0.010	-4.67067	50.00000	Averaged
$ 186 2-Chlorophenol-d4	1.34632	1.38867	1.38867	0.010	-3.14509	50.00000	Averaged
$ 187 1,2-Dichlorobenzene-d4	0.81001	0.81793	0.81793	0.010	-0.97773	50.00000	Averaged
M 195 Cresols, total	3.47062	3.18358	3.18358	0.010	8.27064	50.00000	Averaged
101 Diphenylamine	0.51183	0.57233	0.57233	0.010	-11.82051	50.00000	Averaged

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40413a.b\6SHH0413.D
Date : 13-APR-2004 08:23
Client ID:
Sample Info: 16,40413a.b,8270p,3-827042.sub,2

Column phase: db5.625

Instrument: a4hp6.i

Operator: 001710
Column diameter: 0.32



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Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40413a.b\6SMH0413.D
Lab Smp Id: 16
Inj Date : 13-APR-2004 08:23
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 16,40413a.b,8270p,3-827042.sub,2
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp6.i\40413a.b\8270p.m
Meth Date : 13-Apr-2004 09:22 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.223	4.223	(1.000)	191321	2.00000	
* 2 Naphthalene-d8	136	5.280	5.280	(1.000)	727865	2.00000	
* 3 Acenaphthene-d10	164	6.738	6.738	(1.000)	411095	2.00000	
* 4 Phenanthrene-d10	188	7.959	7.959	(1.000)	715545	2.00000	
* 5 Chrysene-d12	240	10.147	10.147	(1.000)	730211	2.00000	
* 6 Perylene-d12	264	11.364	11.364	(1.000)	494287	2.00000	
198 1,4-Dioxane	88	2.099	2.099	(0.497)	371012	5.00000	4.6655
9 Pyridine	79	2.307	2.307	(0.546)	1087638	5.00000	5.0916
10 N-Nitrosodimethylamine	74	2.305	2.305	(0.546)	753886	5.00000	4.6485
12 3-Chloropropionitrile	54	2.783	2.783	(0.659)	406982	5.00000	4.7578
209 Benzaldehyde	77	3.881	3.881	(0.919)	695504	5.00000	4.2938
21 Aniline	93	3.971	3.971	(0.940)	1383250	5.00000	4.5097
22 Phenol	94	3.935	3.935	(0.932)	1140399	5.00000	4.5113
23 bis(2-Chloroethyl)ether	93	4.015	4.015	(0.951)	826944	5.00000	4.4949
24 2-Chlorophenol	128	4.056	4.056	(0.960)	699563	5.00000	5.2511
26 1,3-Dichlorobenzene	146	4.179	4.179	(0.990)	668031	5.00000	5.4661
27 1,4-Dichlorobenzene	146	4.238	4.238	(1.004)	599783	5.00000	5.3898
28 1,2-Dichlorobenzene	146	4.364	4.364	(1.033)	630436	5.00000	5.3394
29 Benzyl Alcohol	108	4.344	4.344	(1.029)	514577	5.00000	4.3880
30 2-Methylphenol	108	4.429	4.429	(1.049)	746949	5.00000	4.4670
31 bis(2-Chloroisopropyl)ether	45	4.449	4.449	(1.054)	701995	5.00000	4.5372
37 Acetophenone	105	4.562	4.562	(1.080)	1147237	5.00000	5.0004
32 N-Nitroso-di-n-propylamine	70	4.570	4.570	(1.082)	844542	5.00000	4.3208
192 4-Methylphenol	108	4.560	4.560	(1.080)	775763	5.00000	4.7077
34 Hexachloroethane	117	4.639	4.639	(1.099)	294268	5.00000	4.9430
35 Nitrobenzene	77	4.706	4.706	(0.891)	1182117	5.00000	4.5148
41 Isophorone	82	4.904	4.904	(0.929)	1954157	5.00000	4.6371
42 2-Nitrophenol	139	4.969	4.969	(0.941)	368762	5.00000	5.4150
43 2,4-Dimethylphenol	107	4.999	4.999	(0.947)	860573	5.00000	4.6767
44 bis(2-Chloroethoxy)methane	93	5.082	5.082	(0.963)	985569	5.00000	4.4417
46 2,4-Toluenediamene	121	6.257	6.257	(1.185)	93320	5.00000	2.9063
47 1,3,5-Trichlorobenzene	180	4.971	4.971	(0.942)	530684	5.00000	5.0823
48 2,4-Dichlorophenol	162	5.164	5.164	(0.978)	533651	5.00000	5.1911

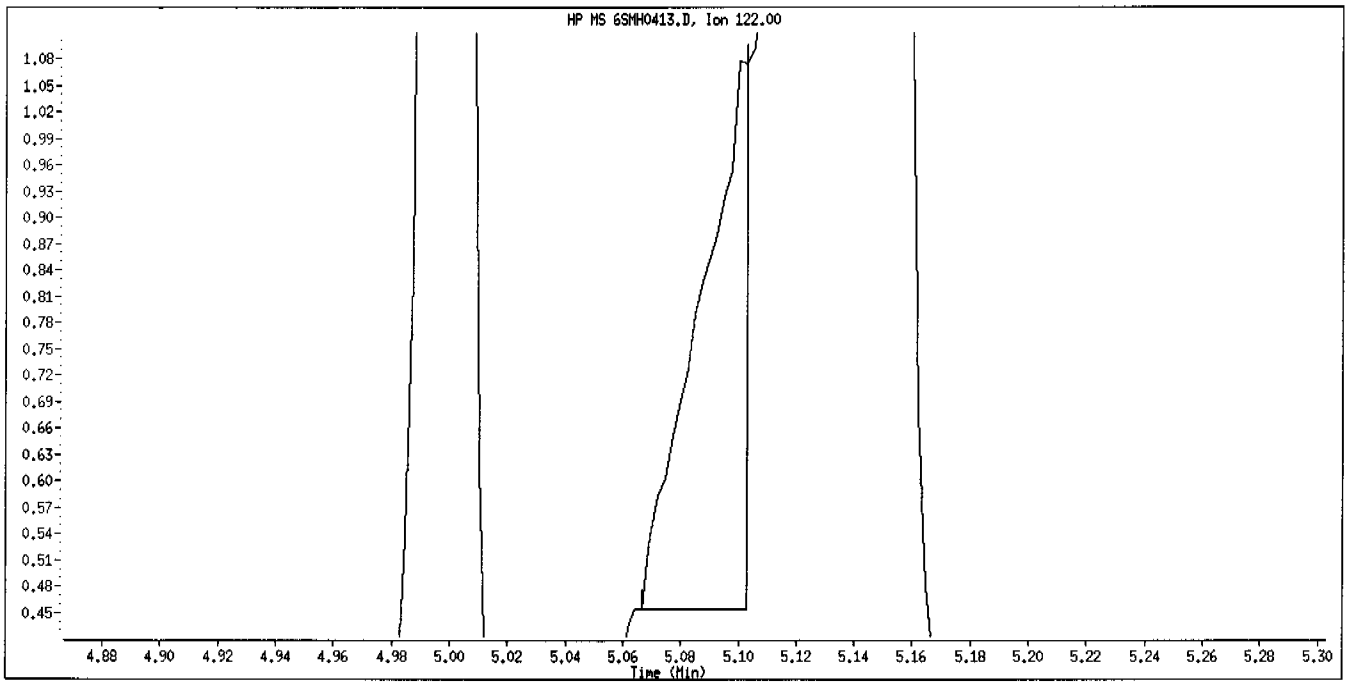
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.156	5.156	(0.977)	743388	10.0000	9.0904(M)
50 1,2,4-Trichlorobenzene	180	5.231	5.231	(0.991)	516261	5.00000	4.9332
51 Naphthalene	128	5.298	5.298	(1.003)	1938302	5.00000	5.2655
52 4-Chloroaniline	127	5.349	5.349	(1.013)	766624	5.00000	5.0784
56 Hexachlorobutadiene	225	5.401	5.401	(1.023)	317558	5.00000	5.0564
210 Caprolactam	113	5.681	5.681	(1.076)	239593	5.00000	4.9150(H)
57 1,2,3-Trichlorobenzene	180	5.419	5.419	(1.026)	486479	5.00000	4.9055
59 4-Chloro-3-Methylphenol	107	5.755	5.755	(1.090)	765399	5.00000	4.9692
62 2-Methylnaphthalene	142	5.874	5.874	(1.112)	1200201	5.00000	5.1833
63 1-Methylnaphthalene	142	5.956	5.956	(1.128)	1157224	5.00000	5.1365
64 Hexachlorocyclopentadiene	237	6.002	6.002	(0.891)	416700	5.00000	5.7208
66 2,4,6-Trichlorophenol	196	6.110	6.110	(0.907)	395409	5.00000	5.0068
67 2,4,5-Trichlorophenol	196	6.144	6.144	(0.912)	412895	5.00000	5.0080
211 1,1'-Biphenyl	154	6.262	6.262	(0.929)	1533380	5.00000	5.1900
68 1,2,3,5-Tetrachlorobenzene	216	6.000	6.000	(0.890)	534712	5.00000	5.1621
70 2-Chloronaphthalene	162	6.280	6.280	(0.932)	1138668	5.00000	5.3258
73 2-Nitroaniline	65	6.373	6.373	(0.946)	631366	5.00000	4.7048
74 1,2,3,4-Tetrachlorobenzene	216	6.249	6.249	(0.927)	505305	5.00000	5.0955
76 Dimethylphthalate	163	6.519	6.519	(0.968)	1321156	5.00000	5.1960
78 2,6-Dinitrotoluene	165	6.573	6.573	(0.976)	301225	5.00000	5.4861
79 Acenaphthylene	152	6.619	6.619	(0.982)	1943073	5.00000	5.1746
80 1,2-Dinitrobenzene	168	6.625	6.625	(0.983)	156537	5.00000	5.2405
81 3-Nitroaniline	138	6.715	6.715	(0.997)	329657	5.00000	5.3161
82 Acenaphthene	153	6.766	6.766	(1.004)	1249364	5.00000	5.1085
83 2,4-Dinitrophenol	184	6.799	6.799	(1.009)	441643	10.0000	9.2867
85 4-Nitrophenol	109	6.851	6.851	(1.017)	252399	5.00000	4.0310
86 Dibenzofuran	168	6.907	6.907	(1.025)	1636884	5.00000	4.9254
87 2,4-Dinitrotoluene	165	6.905	6.905	(1.025)	441209	5.00000	5.6692
91 2,3,5,6-Tetrachlorophenol	232	6.974	6.974	(1.035)	370559	5.00000	5.1782
93 Diethylphthalate	149	7.098	7.098	(1.053)	1400890	5.00000	5.1592
94 Fluorene	166	7.190	7.190	(1.067)	1392126	5.00000	5.3488
95 4-Chlorophenyl-phenylether	204	7.188	7.188	(1.067)	664615	5.00000	5.0554
96 4-Nitroaniline	138	7.229	7.229	(1.073)	334733	5.00000	5.1160
98 4,6-Dinitro-2-methylphenol	198	7.242	7.242	(0.910)	288520	5.00000	5.6022
99 N-Nitrosodiphenylamine	169	7.291	7.291	(0.916)	1023817	5.00000	5.5910
100 1,2-Diphenylhydrazine	77	7.319	7.319	(0.920)	2413776	5.00000	4.9732
106 4-Bromophenyl-phenylether	248	7.589	7.589	(0.953)	364193	5.00000	5.3897
107 Hexachlorobenzene	284	7.643	7.643	(0.960)	359750	5.00000	5.5986
212 Atrazine	200	7.730	7.730	(0.971)	375628	5.00000	5.7190
111 Pentachlorophenol	266	7.805	7.805	(0.981)	274326	5.00000	5.6170
115 Phenanthrene	178	7.980	7.980	(1.003)	1954630	5.00000	5.3128
116 Anthracene	178	8.023	8.023	(1.008)	1950419	5.00000	5.5407
119 Carbazole	167	8.157	8.157	(1.025)	1726228	5.00000	5.1760
120 Di-n-Butylphthalate	149	8.432	8.432	(1.059)	2350266	5.00000	5.5114
123 Fluoranthene	202	8.954	8.954	(1.125)	2131051	5.00000	5.0365
124 Benzidine	184	9.067	9.067	(0.894)	865390	5.00000	3.7476
125 Pyrene	202	9.142	9.142	(0.901)	2214829	5.00000	4.8055
131 Butylbenzylphthalate	149	9.661	9.661	(0.952)	1036900	5.00000	5.3472
133 3,3'-Dimethoxybenzidine	244	9.260	9.260	(0.913)	1437896	5.00000	5.2827
135 3,3'-Dichlorobenzidine	252	10.122	10.122	(0.997)	804512	5.00000	5.3890
136 Benzo(a)Anthracene	228	10.137	10.137	(0.999)	2300804	5.00000	5.4032
137 Chrysene	228	10.171	10.171	(1.002)	2079572	5.00000	5.1438
138 4,4'-Methylene bis(o-chloroan	231	10.122	10.122	(0.997)	419788	5.00000	5.4891
139 bis(2-ethylhexyl)Phthalate	149	10.137	10.137	(0.999)	1591216	5.00000	5.5861

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.675	10.675	(0.939)	2164832	5.00000	5.1306
141 Benzo(b)fluoranthene	252	11.032	11.032	(0.971)	1967139	5.00000	5.1991
142 Benzo(k)fluoranthene	252	11.055	11.055	(0.973)	2228491	5.00000	5.9493
146 Benzo(a)pyrene	252	11.318	11.318	(0.996)	1795270	5.00000	5.3240
149 Indeno(1,2,3-cd)pyrene	276	12.452	12.452	(1.096)	2064064	5.00000	5.5543
150 Dibenz(a,h)anthracene	278	12.464	12.464	(1.097)	1678877	5.00000	5.3788
151 Benzo(g,h,i)perylene	276	12.770	12.770	(1.124)	1743190	5.00000	5.5963
$ 154 Nitrobenzene-d5	82	4.691	4.691	(0.888)	1124288	5.00000	4.6051
$ 155 2-Fluorobiphenyl	172	6.180	6.180	(0.917)	1408235	5.00000	5.1455
$ 156 Terphenyl-d14	244	9.260	9.260	(0.913)	1437896	5.00000	5.1790
$ 157 Phenol-d5	99	3.922	3.922	(0.929)	1071986	5.00000	4.8288
$ 158 2-Fluorophenol	112	3.192	3.192	(0.756)	714153	5.00000	5.0825
$ 159 2,4,6-Tribromophenol	330	7.391	7.391	(1.097)	165460	5.00000	5.2335
$ 186 2-Chlorophenol-d4	132	4.040	4.040	(0.957)	664202	5.00000	5.1572
$ 187 1,2-Dichlorobenzene-d4	152	4.354	4.354	(1.031)	391217	5.00000	5.0489
101 Diphenylamine	169	7.291	7.291	(0.916)	1023817	5.00000	5.5910

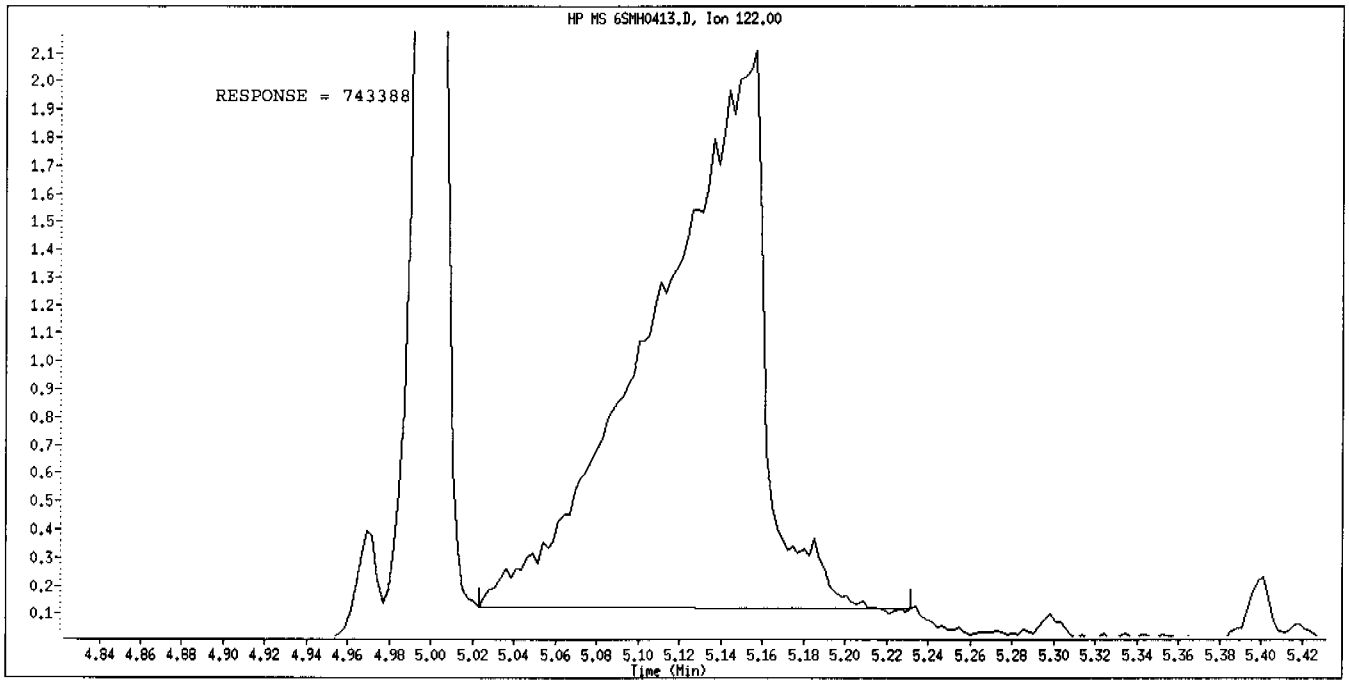
QC Flag Legend

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

Data File Name: 6SMH0413.D
Inj. Date and Time: 13-APR-2004 08:23
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/13/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 13-APR-2004 08:44
Lab File ID: 6AMH0413.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40413a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 N-Nitrosomorpholine	1.10010	1.01102	1.01102	0.010	8.09739	50.00000	Averaged
8 Ethyl methanesulfonate	2.18846	1.81117	1.81117	0.010	17.24010	50.00000	Averaged
14 2-Picoline	2.52791	2.34099	2.34099	0.010	7.39413	50.00000	Averaged
15 N-Nitrosomethylethylamine	1.15550	1.07714	1.07714	0.010	6.78140	50.00000	Averaged
16 Methyl methanesulfonate	1.62636	1.40070	1.40070	0.010	13.87523	50.00000	Averaged
18 1,3-Dichloro-2-propanol	2.98796	2.56810	2.56810	0.010	14.05200	50.00000	Averaged
19 N-Nitrosodiethylamine	1.08687	0.94407	0.94407	0.010	13.13910	50.00000	Averaged
25 Pentachloroethane	0.54740	0.54085	0.54085	0.010	1.19700	50.00000	Averaged
36 N-Nitrosopyrrolidine	0.99884	0.88422	0.88422	0.010	11.47456	50.00000	Averaged
39 o-Toluidine	3.21039	2.97954	2.97954	0.010	7.19075	50.00000	Averaged
40 N-Nitrosopiperidine	0.22223	0.20869	0.20869	0.010	6.09553	50.00000	Averaged
45 O,O,O-Triethyl phosphorothi	0.18403	0.18319	0.18319	0.010	0.45976	50.00000	Averaged
53 a,a-Dimethyl-phenethylamine	5.00000	4.05913	0.94104	0.010	18.81731	0.000e+000	Quadratic
54 2,6-Dichlorophenol	0.26002	0.27723	0.27723	0.010	-6.61802	50.00000	Averaged
55 Hexachloropropene	0.23621	0.25117	0.25117	0.010	-6.33131	50.00000	Averaged
58 N-Nitrosodi-n-butylamine	0.44535	0.40257	0.40257	0.010	9.60493	50.00000	Averaged
60 p-Phenylene diamine	5.00000	3.61244	0.37027	0.010	27.75116	0.000e+000	Quadratic
61 Safrole	0.27561	0.28099	0.28099	0.010	-1.95146	50.00000	Averaged
65 1,2,4,5-Tetrachlorobenzene	0.58400	0.58738	0.58738	0.010	-0.57969	50.00000	Averaged
71 Isosafrole 1	0.15221	0.15566	0.15566	0.010	-2.26643	50.00000	Averaged
M 188 Isosafrole, Total	1.10653	1.20043	1.20043	0.010	-8.48549	50.00000	Averaged
72 Isosafrole 2	0.95432	1.04477	1.04477	0.010	-9.47742	50.00000	Averaged
75 1,4-Naphthoquinone	5.00000	5.09420	0.39080	0.010	-1.88397	0.000e+000	Quadratic
84 Pentachlorobenzene	0.48753	0.49410	0.49410	0.010	-1.34847	50.00000	Averaged
89 1-Naphthylamine	1.17542	1.24055	1.24055	0.010	-5.54123	50.00000	Averaged
92 2-Naphthylamine	1.12188	1.11288	1.11288	0.010	0.80194	50.00000	Averaged
90 Zinophos	0.46785	0.45662	0.45662	0.010	2.40006	50.00000	Averaged
102 Tetraethyl dithiopyrophosph	0.10544	0.10068	0.10068	0.010	4.52068	50.00000	Averaged
103 Diallate 1	0.97682	0.91275	0.91275	0.010	6.55876	50.00000	Averaged
M 189 Diallate, Total	4.76396	4.25372	4.25372	0.010	10.71044	50.00000	Averaged
109 Diallate 2	0.20701	0.18127	0.18127	0.010	12.43538	50.00000	Averaged
104 Phorate	0.17000	0.18195	0.18195	0.010	-7.02756	50.00000	Averaged
105 1,3,5-Trinitrobenzene	5.00000	4.41202	0.09049	0.010	11.75970	0.000e+000	Quadratic
108 Phenacetin	0.54207	0.50255	0.50255	0.010	7.29037	50.00000	Averaged
110 Dimethoate	0.44767	0.41151	0.41151	0.010	8.07658	50.00000	Averaged
112 Pentachloronitrobenzene	0.10269	0.11413	0.11413	0.010	-11.14078	50.00000	Averaged
113 4-Aminobiphenyl	0.76648	0.77540	0.77540	0.010	-1.16312	50.00000	Averaged
114 Pronamide	0.35759	0.35830	0.35830	0.010	-0.19856	50.00000	Averaged
117 Dinoseb	5.00000	4.97899	0.20252	0.010	0.42023	0.000e+000	Quadratic
118 Disulfoton	0.72775	0.65833	0.65833	0.010	9.53876	50.00000	Averaged
121 4-Nitroquinoline 1-oxide	5.00000	3.91212	0.08524	0.010	21.75765	0.000e+000	Quadratic
122 Methapyrilene	5.00000	3.87952	0.44039	0.010	22.40960	0.000e+000	Quadratic

STL - North Canton

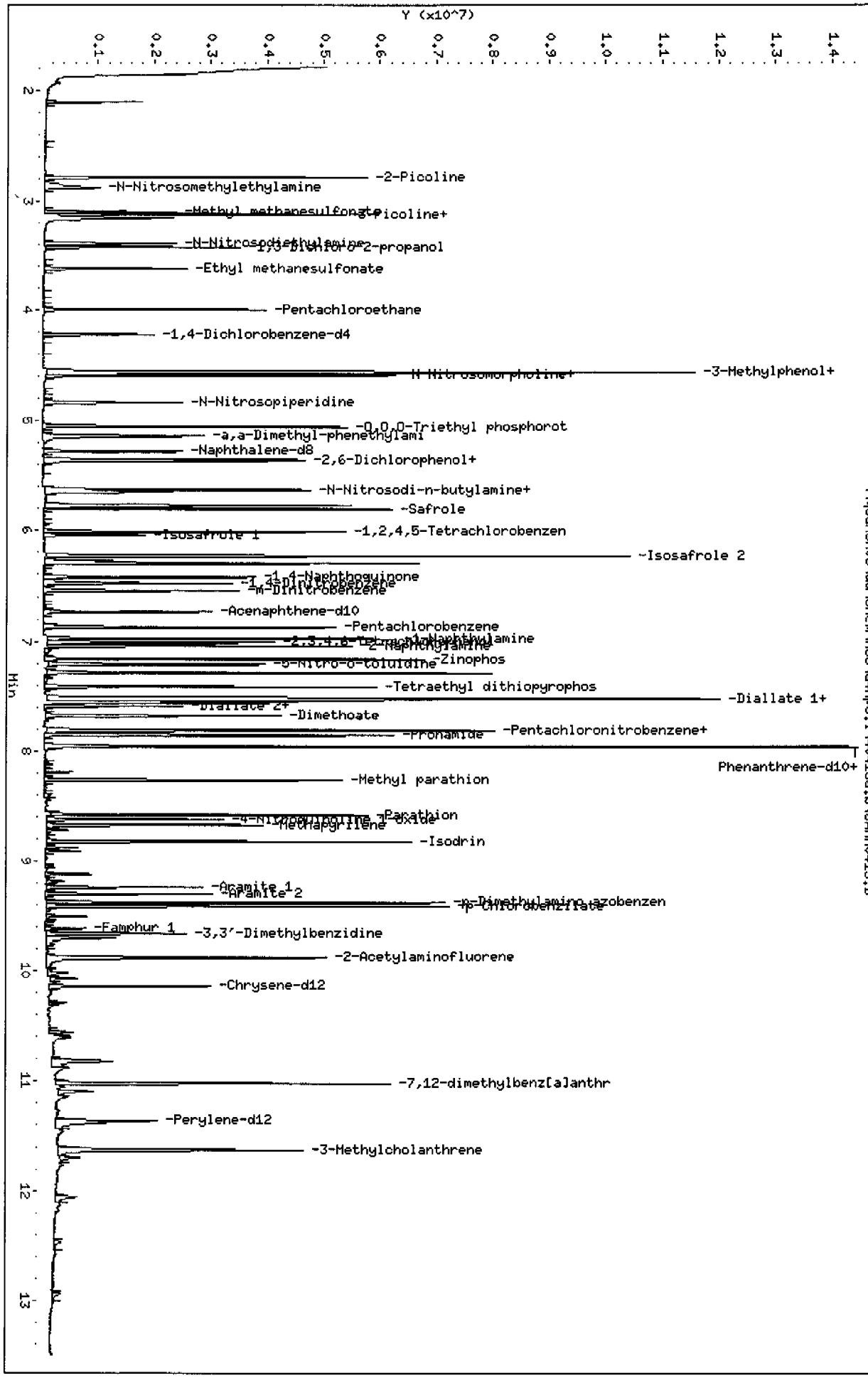
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 13-APR-2004 08:44
Lab File ID: 6AMH0413.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40413a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
126 Aramite 1	0.06727	0.06492	0.06492	0.010	3.50000	50.00000	Averaged	
M 191 Aramite, Total	0.60713	0.52418	0.52418	0.010	13.66242	50.00000	Averaged	
127 Aramite 2	0.08405	0.08687	0.08687	0.010	-3.34751	50.00000	Averaged	
128 p-Dimethylamino azobenzene	0.27435	0.30145	0.30145	0.010	-9.88097	50.00000	Averaged	
129 p-Chlorobenzilate	0.42506	0.50491	0.50491	0.010	-18.78753	50.00000	Averaged	
130 Famphur 1	0.20104	0.08062	0.08062	0.010	59.89894	50.00000	Averaged	<-
132 3,3'-Dimethylbenzidine	0.54450	0.37796	0.37796	0.010	30.58599	50.00000	Averaged	
134 2-Acetylaminofluorene	5.00000	5.31756	0.59252	0.010	-6.35122	0.000e+000	Quadratic	
143 7,12-dimethylbenz[a]anthrac	0.74445	0.84926	0.84926	0.010	-14.07778	50.00000	Averaged	
144 Hexachlorophene	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
145 Hexachlorophene product	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
148 3-Methylcholanthrene	0.85498	0.92125	0.92125	0.010	-7.75113	50.00000	Averaged	
193 3-Methylphenol	1.73254	1.66807	1.66807	0.010	3.72140	50.00000	Averaged	
69 1,4-Dinitrobenzene	0.22516	0.23147	0.23147	0.010	-2.80325	50.00000	Averaged	
77 m-Dinitrobenzene	0.25090	0.24784	0.24784	0.010	1.22121	50.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.31140	0.33371	0.33371	0.010	-7.16354	50.00000	Averaged	
97 5 Nitro-o-toluidine	0.38814	0.40001	0.40001	0.010	-3.05754	50.00000	Averaged	
199 3-Picoline	2.35147	2.23707	2.23707	0.010	4.86525	50.00000	Averaged	
200 N,N-Dimethylacetamide	1.42379	1.29197	1.29197	0.010	9.25868	50.00000	Averaged	
225 Methyl parathion	0.33055	0.31945	0.31945	0.010	3.35728	50.00000	Averaged	
226 Parathion	0.24445	0.23418	0.23418	0.010	4.20219	50.00000	Averaged	
227 Isodrin	0.23421	0.19741	0.19741	0.010	15.71258	50.00000	Averaged	
228 Kepone	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40413a.b\6AHH0413.D
Date : 13-APR-2004 08:44
Client ID:
Sample Info: I6,40413a.b,8270p,2-ap9,sub,2
Column phase: db5,625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40413a.b\6AMH0413.D
Lab Smp Id: 16
Inj Date : 13-APR-2004 08:44
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 16,40413a.b,8270p,2-ap9.sub,2
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp6.i\40413a.b\8270p.m
Meth Date : 13-Apr-2004 09:21 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.223	4.223	(1.000)	199812	2.00000	
* 2 Naphthalene-d8	136	5.277	5.277	(1.000)	776818	2.00000	
* 3 Acenaphthene-d10	164	6.735	6.735	(1.000)	424130	2.00000	
* 4 Phenanthrene-d10	188	7.959	7.959	(1.000)	776898	2.00000	
* 5 Chrysene-d12	240	10.142	10.142	(1.000)	690036	2.00000	
* 6 Perylene-d12	264	11.361	11.361	(1.000)	491584	2.00000	
7 N-Nitrosomorpholine	56	4.588	4.588	(1.086)	505034	5.00000	4.5951
8 Ethyl methanesulfonate	79	3.624	3.624	(0.858)	904732	5.00000	4.1380
14 2-Picoline	93	2.788	2.788	(0.660)	1169395	5.00000	4.6303
15 N-Nitrosomethylethylamine	88	2.880	2.880	(0.682)	538062	5.00000	4.6609
16 Methyl methanesulfonate	80	3.102	3.102	(0.735)	699690	5.00000	4.3062
18 1,3-Dichloro-2-propanol	79	3.423	3.423	(0.811)	1282841	5.00000	4.2974
19 N-Nitrosodiethylamine	102	3.392	3.392	(0.803)	471589	5.00000	4.3430
25 Pentachloroethane	167	3.994	3.994	(0.946)	270170	5.00000	4.9401
36 N-Nitrosopyrrolidine	100	4.562	4.562	(1.080)	441696	5.00000	4.4263(H)
39 o-Toluidine	106	4.593	4.593	(1.088)	1488369	5.00000	4.6405
40 N-Nitrosopiperidine	114	4.835	4.835	(0.916)	405281	5.00000	4.6952
45 O,O,O-Triethyl phosphorothioa	198	5.053	5.053	(0.958)	355758	5.00000	4.9770
53 a,a-Dimethyl-phenethylamine	58	5.136	5.136	(0.973)	1827533	5.00000	4.0591(H)
54 2,6-Dichlorophenol	162	5.354	5.354	(1.015)	538388	5.00000	5.3309
55 Hexachloropropene	213	5.370	5.370	(1.018)	487774	5.00000	5.3166
58 N-Nitrosodi-n-butylamine	84	5.627	5.627	(1.066)	781813	5.00000	4.5198
60 p-Phenylene diamine	108	5.645	5.645	(1.070)	719075	5.00000	3.6124
61 Safrole	162	5.802	5.802	(1.099)	545690	5.00000	5.0976
65 1,2,4,5-Tetrachlorobenzene	216	6.013	6.013	(0.893)	622819	5.00000	5.0290
71 Isosafrole 1	162	6.041	6.041	(0.897)	165050	5.00000	5.1133
72 Isosafrole 2	162	6.234	6.234	(0.926)	1107793	5.00000	5.4739
75 1,4-Naphthoquinone	158	6.424	6.424	(0.954)	414377	5.00000	5.0942
84 Pentachlorobenzene	250	6.874	6.874	(1.021)	523910	5.00000	5.0674
89 1-Naphthylamine	143	6.974	6.974	(1.036)	1315390	5.00000	5.2771
92 2-Naphthylamine	143	7.041	7.041	(1.045)	1180015	5.00000	4.9599
90 Zinophos	97	7.162	7.162	(1.063)	484163	5.00000	4.8800
102 Tetraethyl dithiopyrophosphat	202	7.417	7.417	(0.932)	195537	5.00000	4.7740

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.522	7.522	(0.945)	1772792	5.00000	4.6721
109 Diallate 2	86	7.591	7.591	(0.954)	352068	5.00000	4.3782
104 Phorate	121	7.532	7.532	(0.946)	353387	5.00000	5.3514
105 1,3,5-Trinitrobenzene	213	7.512	7.512	(0.944)	175750	5.00000	4.4120
108 Phenacetin	108	7.558	7.558	(0.950)	976081	5.00000	4.6355
110 Dimethoate	87	7.681	7.681	(0.965)	799252	5.00000	4.5962
112 Pentachloronitrobenzene	237	7.818	7.818	(0.982)	221667	5.00000	5.5570
113 4-Aminobiphenyl	169	7.810	7.810	(0.981)	1506016	5.00000	5.0582
114 Pronamide	173	7.856	7.856	(0.987)	695898	5.00000	5.0099
117 Dinoseb	211	7.957	7.957	(1.000)	393346	5.00000	4.9790
118 Disulfoton	88	7.959	7.959	(1.000)	1278641	5.00000	4.5231
121 4-Nitroquinoline 1-oxide	190	8.623	8.623	(1.083)	165564	5.00000	3.9121(Q)
122 Methapyrilene	58	8.671	8.671	(1.089)	855343	5.00000	3.8795
126 Aramite 1	185	9.240	9.240	(0.911)	111989	5.00000	4.8250
127 Aramite 2	185	9.301	9.301	(0.917)	149854	5.00000	5.1674(H)
128 p-Dimethylamino azobenzene	225	9.381	9.381	(0.925)	520036	5.00000	5.4940
129 p-Chlorobenzilate	139	9.412	9.412	(0.928)	871023	5.00000	5.9394
130 Famphur 1	218	9.615	9.615	(0.948)	139077	5.00000	2.0050
132 3,3'-Dimethylbenzidine	212	9.659	9.659	(0.952)	652018	5.00000	3.4707
134 2-Acetylaminofluorene	181	9.877	9.877	(0.974)	1022145	5.00000	5.3176
143 7,12-dimethylbenz[a]anthracen	256	11.019	11.019	(0.970)	1043702	5.00000	5.7039
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.631	11.631	(1.024)	1132178	5.00000	5.3876(H)
193 3-Methylphenol	108	4.565	4.565	(1.081)	833251	5.00000	4.8139
69 1,4-Dinitrobenzene	168	6.481	6.481	(0.962)	245436	5.00000	5.1402
77 m-Dinitrobenzene	168	6.545	6.545	(0.972)	262791	5.00000	4.9389
88 2,3,4,6-Tetrachlorophenol	232	7.010	7.010	(1.041)	353838	5.00000	5.3582
97 5-Nitro-o-toluidine	152	7.208	7.208	(1.070)	424142	5.00000	5.1529
199 3-Picoline	93	3.125	3.125	(0.740)	1117482	5.00000	4.7567
200 N,N-Dimethylacetamide	44	3.153	3.153	(0.747)	645376	5.00000	4.5371
225 Methyl parathion	109	8.268	8.268	(1.039)	620458	5.00000	4.8321
226 Parathion	97	8.584	8.584	(1.079)	454832	5.00000	4.7899
227 Isodrin	66	8.823	8.823	(1.109)	383410	5.00000	4.2144
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Calibration History

Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m
Start Cal Date: 12-APR-2004 09:04
End Cal Date : 12-APR-2004 14:51
Last Cal Level: 2
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.050000		
12-APR-2004 10:25	pah	6SLL0412.D

Injection Date	Sublist	Calibration File
Cal Level: 2 , Cal Amount: 0.25000		
12-APR-2004 14:51	2-ap9	6AL0412.D
12-APR-2004 10:05	3-827042	6SL0412.D

Injection Date	Sublist	Calibration File
Cal Level: 3 , Cal Amount: 0.50000		
12-APR-2004 14:30	2-ap9	6AML0412.D
12-APR-2004 09:44	3-827042	6SML0412.D

Injection Date	Sublist	Calibration File
Cal Level: 4 , Cal Amount: 1.0000		
12-APR-2004 14:09	2-ap9	6AM0412.D
12-APR-2004 09:24	3-827042	6SM0412.D

Injection Date	Sublist	Calibration File
Cal Level: 5 , Cal Amount: 2.5000		
12-APR-2004 13:49	2-ap9	6AMM0412.D
12-APR-2004 09:04	3-827042	6SMM0412.D

Injection Date	Sublist	Calibration File
Cal Level: 6 , Cal Amount: 5.0000		
12-APR-2004 13:28	2-ap9	6AMH0412.D
12-APR-2004 10:45	3-827042	6SMH0412.D

Injection Date	Sublist	Calibration File
Cal Level: 7 , Cal Amount: 7.5000		
12-APR-2004 13:07	2-ap9	6AH0412.D
12-APR-2004 11:05	3-827042	6SH0412.D

Injection Date	Sublist	Calibration File
Cal Level: 8 , Cal Amount: 10.000		

12-APR-2004 11:25	3-827042	6SHH0412.D

Cal Level: 9 , Cal Amount: 12.500		
12-APR-2004 12:26	2-ap9	6AHHH412.D
12-APR-2004 11:45	L9	6HHH0412.D

Continuing Calibration

14-APR-2004 07:50	3-827042	6SMH0414.D
14-APR-2004 08:10	2-ap9	6AMH0414.D

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i
Lab File ID: 6SMH0414.D
Analysis Type:
Lab Sample ID: 16
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m

Injection Date: 14-APR-2004 07:50
Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Init. Cal. Times: 09:04 14:51
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
198 1,4-Dioxane	0.83130	0.75863	0.75863	0.010	8.74156	50.00000	Averaged
9 Pyridine	2.23304	2.17195	2.17195	0.010	2.73577	50.00000	Averaged
10 N-Nitrosodimethylamine	1.69534	1.50525	1.50525	0.010	11.21242	50.00000	Averaged
12 3-Chloropropionitrile	0.89421	0.76719	0.76719	0.010	14.20502	50.00000	Averaged
209 Benzaldehyde	5.00000	2.83548	1.04869	0.010	43.29037	0.000e+000	Quadratic
21 Aniline	3.20644	2.84368	2.84368	0.010	11.31353	50.00000	Averaged
22 Phenol	2.64254	2.33912	2.33912	0.010	11.48219	20.00000	Averaged
23 bis(2-Chloroethyl)ether	1.92319	1.63779	1.63779	0.010	14.83992	50.00000	Averaged
24 2-Chlorophenol	1.39266	1.42245	1.42245	0.010	-2.13917	50.00000	Averaged
26 1,3-Dichlorobenzene	1.27757	1.36223	1.36223	0.010	-6.62635	50.00000	Averaged
27 1,4-Dichlorobenzene	1.16329	1.24657	1.24657	0.010	-7.15914	20.00000	Averaged
28 1,2-Dichlorobenzene	1.23428	1.29526	1.29526	0.010	-4.94037	50.00000	Averaged
29 Benzyl Alcohol	1.22590	1.08667	1.08667	0.010	11.35727	50.00000	Averaged
30 2-Methylphenol	1.74801	1.53500	1.53500	0.010	12.18584	50.00000	Averaged
31 bis(2-Chloroisopropyl)ether	1.61737	1.28283	1.28283	0.010	20.68456	50.00000	Averaged
37 Acetophenone	2.39836	2.26249	2.26249	0.010	5.66496	50.00000	Averaged
32 N-Nitroso-di-n-propylamine	2.04327	1.65598	1.65598	0.050	18.95463	50.00000	Averaged
192 4-Methylphenol	1.72261	1.60218	1.60218	0.010	6.99103	50.00000	Averaged
34 Hexachloroethane	0.62233	0.59346	0.59346	0.010	4.63873	50.00000	Averaged
35 Nitrobenzene	0.71946	0.61393	0.61393	0.010	14.66780	50.00000	Averaged
41 Isophorone	1.15796	1.03713	1.03713	0.010	10.43521	50.00000	Averaged
42 2-Nitrophenol	0.18712	0.20157	0.20157	0.010	-7.72167	20.00000	Averaged
43 2,4-Dimethylphenol	0.50562	0.48421	0.48421	0.010	4.23504	50.00000	Averaged
44 bis(2-Chloroethoxy)methane	0.60970	0.53487	0.53487	0.010	12.27396	50.00000	Averaged
46 2,4-Toluenediamene	5.00000	4.79018	0.09686	0.010	4.19631	0.000e+000	Quadratic
47 1,3,5-Trichlorobenzene	0.28692	0.28813	0.28813	0.010	-0.42284	50.00000	Averaged
48 2,4-Dichlorophenol	0.28247	0.30535	0.30535	0.010	-8.09922	20.00000	Averaged
49 Benzoic Acid	10.00000	9.06699	0.20370	0.010	9.33011	0.000e+000	Quadratic
50 1,2,4-Trichlorobenzene	0.28755	0.28424	0.28424	0.010	1.15326	50.00000	Averaged
51 Naphthalene	1.01149	1.04470	1.04470	0.010	-3.28383	50.00000	Averaged
52 4-Chloroaniline	0.41479	0.42023	0.42023	0.010	-1.31148	50.00000	Averaged
56 Hexachlorobutadiene	0.17257	0.17265	0.17265	0.010	-0.04576	20.00000	Averaged
210 Caprolactam	0.13395	0.13646	0.13646	0.010	-1.87831	50.00000	Averaged
57 1,2,3-Trichlorobenzene	0.27249	0.26390	0.26390	0.010	3.15494	50.00000	Averaged
59 4-Chloro-3-Methylphenol	0.42323	0.42494	0.42494	0.010	-0.40424	20.00000	Averaged
62 2-Methylnaphthalene	0.63625	0.65640	0.65640	0.010	-3.16745	50.00000	Averaged
63 1-Methylnaphthalene	0.61906	0.62870	0.62870	0.010	-1.55691	50.00000	Averaged
64 Hexachlorocyclopentadiene	0.35437	0.37020	0.37020	0.050	-4.46731	50.00000	Averaged
66 2,4,6-Trichlorophenol	0.38421	0.38817	0.38817	0.010	-1.02912	20.00000	Averaged
67 2,4,5-Trichlorophenol	0.40111	0.39043	0.39043	0.010	2.66290	50.00000	Averaged
211 1,1'-Biphenyl	1.43736	1.41272	1.41272	0.010	1.71468	50.00000	Averaged
68 1,2,3,5-Tetrachlorobenzene	0.50394	0.51019	0.51019	0.010	-1.23921	50.00000	Averaged

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 14-APR-2004 07:50
Lab File ID: 6SMH0414.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 2-Chloronaphthalene	1.04016	1.04744	1.04744	0.010	-0.69948	50.00000	Averaged
73 2-Nitroaniline	0.65287	0.57543	0.57543	0.010	11.86113	50.00000	Averaged
74 1,2,3,4-Tetrachlorobenzene	0.48245	0.47690	0.47690	0.010	1.15037	50.00000	Averaged
76 Dimethylphthalate	1.23702	1.28453	1.28453	0.010	-3.84082	50.00000	Averaged
78 2,6-Dinitrotoluene	0.26712	0.28873	0.28873	0.010	-8.08723	50.00000	Averaged
79 Acenaphthylene	1.82682	1.83089	1.83089	0.010	-0.22296	50.00000	Averaged
80 1,2-Dinitrobenzene	0.14532	0.11961	0.11961	0.010	17.69152	50.00000	Averaged
81 3-Nitroaniline	0.30169	0.33036	0.33036	0.010	-9.50570	50.00000	Averaged
82 Acenaphthene	1.18983	1.15429	1.15429	0.010	2.98691	20.00000	Averaged
83 2,4-Dinitrophenol	10.00000	9.78497	0.22734	0.050	2.15031	0.000e+000	Quadratic
85 4-Nitrophenol	5.00000	4.56258	0.27955	0.050	8.74840	0.000e+000	Quadratic
86 Dibenzofuran	1.61682	1.53804	1.53804	0.010	4.87235	50.00000	Averaged
87 2,4-Dinitrotoluene	0.37862	0.41512	0.41512	0.010	-9.63800	50.00000	Averaged
91 2,3,5,6-Tetrachlorophenol	0.34815	0.35983	0.35983	0.010	-3.35559	50.00000	Averaged
93 Diethylphthalate	1.32103	1.29600	1.29600	0.010	1.89496	50.00000	Averaged
94 Fluorene	1.26622	1.26505	1.26505	0.010	0.09223	50.00000	Averaged
95 4-Chlorophenyl-phenylether	0.63959	0.61824	0.61824	0.010	3.33810	50.00000	Averaged
96 4-Nitroaniline	0.31832	0.36328	0.36328	0.010	-14.12669	50.00000	Averaged
98 4,6-Dinitro-2-methylphenol	0.14395	0.16695	0.16695	0.010	-15.97847	50.00000	Averaged
99 N-Nitrosodiphenylamine	0.51183	0.57145	0.57145	0.010	-11.64817	20.00000	Averaged
100 1,2 Diphenylhydrazine	1.35662	1.34557	1.34557	0.010	0.81467	50.00000	Averaged
106 4-Bromophenyl-phenylether	0.18887	0.20956	0.20956	0.010	-10.95655	50.00000	Averaged
107 Hexachlorobenzene	0.17960	0.20449	0.20449	0.010	-13.85960	50.00000	Averaged
212 Atrazine	0.18358	0.21477	0.21477	0.010	-16.99014	50.00000	Averaged
111 Pentachlorophenol	0.13651	0.15216	0.15216	0.010	-11.46427	20.00000	Averaged
115 Phenanthrene	1.02832	1.10861	1.10861	0.010	-7.80726	50.00000	Averaged
116 Anthracene	0.98391	1.09379	1.09379	0.010	-11.16811	50.00000	Averaged
119 Carbazole	0.93218	0.97605	0.97605	0.010	-4.70596	50.00000	Averaged
120 Di-n Butylphthalate	1.19193	1.30476	1.30476	0.010	-9.46605	50.00000	Averaged
123 Fluoranthene	1.18266	1.19621	1.19621	0.010	-1.14598	20.00000	Averaged
124 Benzidine	5.00000	4.54034	0.59051	0.010	9.19321	0.000e+000	Quadratic
125 Pyrene	1.26237	1.22826	1.22826	0.010	2.70240	50.00000	Averaged
131 Butylbenzylphthalate	0.53111	0.57354	0.57354	0.010	-7.98878	50.00000	Averaged
133 3,3'-Dimethoxybenzidine	0.74551	0.79827	0.79827	0.010	-7.07726	50.00000	Averaged
135 3,3'-Dichlorobenzidine	0.40889	0.45691	0.45691	0.010	-11.74587	50.00000	Averaged
136 Benzo(a)Anthracene	1.16629	1.42357	1.42357	0.010	-22.05926	50.00000	Averaged
137 Chrysene	1.10731	0.99091	0.99091	0.010	10.51185	50.00000	Averaged
138 4,4'-Methylene bis(o-chloro	0.20946	0.23340	0.23340	0.010	-11.42630	50.00000	Averaged
139 bis(2-ethylhexyl)Phthalate	0.78019	0.85775	0.85775	0.010	-9.94116	50.00000	Averaged
140 Di-n-octylphthalate	1.70730	1.85632	1.85632	0.010	-8.72866	20.00000	Averaged
141 Benzo(b)fluoranthene	1.53093	1.93915	1.93915	0.010	-26.66494	50.00000	Averaged
142 Benzo(k)fluoranthene	1.51563	1.40918	1.40918	0.010	7.02347	50.00000	Averaged

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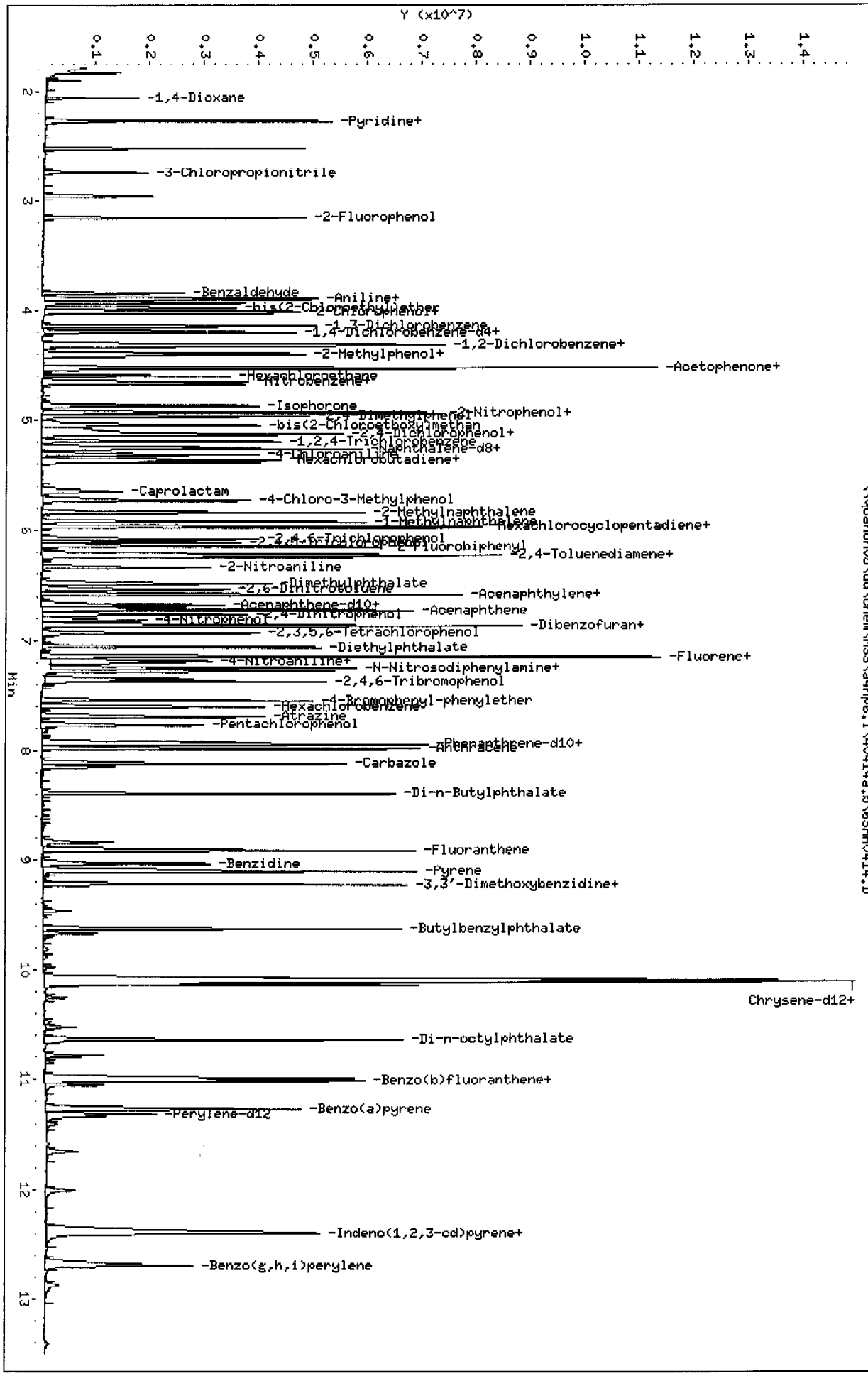
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 14-APR-2004 07:50
Lab File ID: 6SMH0414.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
146 Benzo(a)pyrene	1.36440	1.47746	1.47746	0.010	-8.28671	20.00000	Averaged
149 Indeno(1,2,3-cd)pyrene	1.50365	1.69664	1.69664	0.010	-12.83494	50.00000	Averaged
150 Dibenz(a,h)anthracene	1.26295	1.40022	1.40022	0.010	-10.86876	50.00000	Averaged
151 Benzo(g,h,i)perylene	1.26036	1.44290	1.44290	0.010	-14.48313	50.00000	Averaged
$ 154 Nitrobenzene-d5	0.67083	0.59361	0.59361	0.010	11.51203	50.00000	Averaged
$ 155 2-Fluorobiphenyl	1.33149	1.32491	1.32491	0.010	0.49393	50.00000	Averaged
$ 156 Terphenyl-d14	0.76043	0.79827	0.79827	0.010	-4.97652	50.00000	Averaged
$ 157 Phenol-d5	2.32069	2.21006	2.21006	0.010	4.76714	50.00000	Averaged
$ 158 2-Fluorophenol	1.46887	1.47528	1.47528	0.010	-0.43639	50.00000	Averaged
$ 159 2,4,6-Tribromophenol	0.15381	0.16471	0.16471	0.010	-7.08426	50.00000	Averaged
$ 186 2-Chlorophenol-d4	1.34632	1.37971	1.37971	0.010	-2.48004	50.00000	Averaged
$ 187 1,2-Dichlorobenzene-d4	0.81001	0.80138	0.80138	0.010	1.06501	50.00000	Averaged
M 195 Cresols, total	3.47062	3.13718	3.13718	0.010	9.60745	50.00000	Averaged
101 Diphenylamine	0.51183	0.57145	0.57145	0.010	-11.64817	50.00000	Averaged

Data File: \\qcanch05\dd\chem\MSS\a4hp6.i\40414a.b\6SMH0414.D
Date : 14-APR-2004 07:50
Client ID:
Sample Info: 16,40414a,b,8270p,3-827042,sub,2
Column phase: db5,625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\6SMH0414.D
Lab Smp Id: 16
Inj Date : 14-APR-2004 07:50
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 16,40414a.b,8270p,3-827042.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m
Meth Date : 14-Apr-2004 08:52 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.184	4.184	(1.000)	228424	2.00000	
* 2 Naphthalene-d8	136	5.238	5.238	(1.000)	860789	2.00000	
* 3 Acenaphthene-d10	164	6.696	6.696	(1.000)	500844	2.00000	
* 4 Phenanthrene-d10	188	7.920	7.920	(1.000)	852061	2.00000	
* 5 Chrysene-d12	240	10.109	10.109	(1.000)	864636	2.00000	
* 6 Perylene-d12	264	11.315	11.315	(1.000)	622701	2.00000	
198 1,4-Dioxane	88	2.068	2.068	(0.494)	433225	5.00000	4.5629
9 Pyridine	79	2.273	2.273	(0.543)	1240315	5.00000	4.8632
10 N-Nitrosodimethylamine	74	2.268	2.268	(0.542)	859589	5.00000	4.4394
12 3-Chloropropionitrile	54	2.749	2.749	(0.657)	438110	5.00000	4.2897
209 Benzaldehyde	77	3.839	3.839	(0.918)	598865	5.00000	2.8355
21 Aniline	93	3.929	3.929	(0.939)	1623913	5.00000	4.4343
22 Phenol	94	3.901	3.901	(0.932)	1335779	5.00000	4.4259
23 bis(2-Chloroethyl)ether	93	3.976	3.976	(0.950)	935274	5.00000	4.2580
24 2-Chlorophenol	128	4.017	4.017	(0.960)	812303	5.00000	5.1070
26 1,3-Dichlorobenzene	146	4.138	4.138	(0.989)	777915	5.00000	5.3313
27 1,4-Dichlorobenzene	146	4.197	4.197	(1.003)	711869	5.00000	5.3580
28 1,2-Dichlorobenzene	146	4.323	4.323	(1.033)	739669	5.00000	5.2470
29 Benzyl Alcohol	108	4.307	4.307	(1.029)	620552	5.00000	4.4321
30 2-Methylphenol	108	4.392	4.392	(1.050)	876578	5.00000	4.3907
31 bis(2-Chloroisopropyl)ether	45	4.410	4.410	(1.054)	732571	5.00000	3.9658
37 Acetophenone	105	4.526	4.526	(1.082)	1292018	5.00000	4.7168
32 N-Nitroso-di-n-propylamine	70	4.531	4.531	(1.083)	945663	5.00000	4.0523
192 4-Methylphenol	108	4.523	4.523	(1.081)	914940	5.00000	4.6504
34 Hexachloroethane	117	4.598	4.598	(1.099)	338904	5.00000	4.7681
35 Nitrobenzene	77	4.667	4.667	(0.891)	1321157	5.00000	4.2666
41 Isophorone	82	4.868	4.868	(0.929)	2231872	5.00000	4.4782
42 2-Nitrophenol	139	4.930	4.930	(0.941)	433778	5.00000	5.3861
43 2,4-Dimethylphenol	107	4.963	4.963	(0.947)	1042002	5.00000	4.7882
44 bis(2-Chloroethoxy)methane	93	5.043	5.043	(0.963)	1151019	5.00000	4.3863
46 2,4-Toluenediamene	121	6.213	6.213	(1.186)	208437	5.00000	4.7902
47 1,3,5-Trichlorobenzene	180	4.930	4.930	(0.941)	620046	5.00000	5.0211
48 2,4-Dichlorophenol	162	5.125	5.125	(0.978)	657110	5.00000	5.4050
49 Benzoic Acid	122	5.128	5.128	(0.979)	876733	10.0000	9.0670(M)

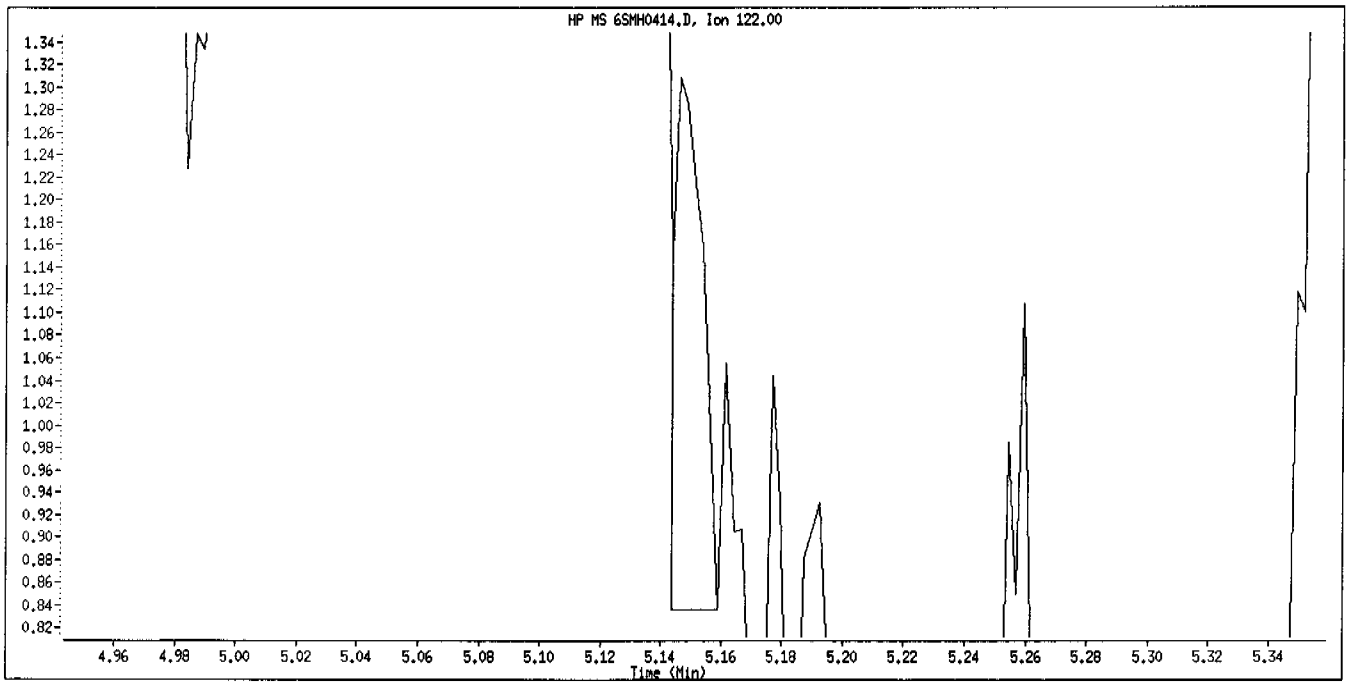
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
50 1,2,4-Trichlorobenzene	180	5.192	5.192	(0.991)	611667	5.00000	4.9423
51 Naphthalene	128	5.259	5.259	(1.004)	2248172	5.00000	5.1642
52 4-Chloroaniline	127	5.310	5.310	(1.014)	904326	5.00000	5.0656
56 Hexachlorobutadiene	225	5.359	5.359	(1.023)	371532	5.00000	5.0023
210 Caprolactam	113	5.644	5.644	(1.078)	293661	5.00000	5.0939
57 1,2,3-Trichlorobenzene	180	5.377	5.377	(1.027)	567900	5.00000	4.8422
59 4-Chloro-3-Methylphenol	107	5.724	5.724	(1.093)	914461	5.00000	5.0202
62 2-Methylnaphthalene	142	5.832	5.832	(1.113)	1412555	5.00000	5.1584
63 1-Methylnaphthalene	142	5.914	5.914	(1.129)	1352937	5.00000	5.0778
64 Hexachlorocyclopentadiene	237	5.963	5.963	(0.891)	463526	5.00000	5.2234
66 2,4,6-Trichlorophenol	196	6.074	6.074	(0.907)	486027	5.00000	5.0514
67 2,4,5-Trichlorophenol	196	6.105	6.105	(0.912)	488857	5.00000	4.8668
211 1,1'-Biphenyl	154	6.223	6.223	(0.929)	1768875	5.00000	4.9143
68 1,2,3,5-Tetrachlorobenzene	216	5.961	5.961	(0.890)	638808	5.00000	5.0620
70 2-Chloronaphthalene	162	6.239	6.239	(0.932)	1311507	5.00000	5.0350
73 2-Nitroaniline	65	6.334	6.334	(0.946)	720505	5.00000	4.4069
74 1,2,3,4-Tetrachlorobenzene	216	6.210	6.210	(0.927)	597132	5.00000	4.9425
76 Dimethylphthalate	163	6.483	6.483	(0.968)	1608373	5.00000	5.1920
78 2,6-Dinitrotoluene	165	6.537	6.537	(0.976)	361518	5.00000	5.4044
79 Acenaphthylene	152	6.583	6.583	(0.983)	2292479	5.00000	5.0111
80 1,2-Dinitrobenzene	168	6.586	6.586	(0.983)	149767	5.00000	4.1154
81 3-Nitroaniline	138	6.678	6.678	(0.997)	413651	5.00000	5.4753
82 Acenaphthene	153	6.727	6.727	(1.005)	1445297	5.00000	4.8506
83 2,4-Dinitrophenol	184	6.766	6.766	(1.010)	569300	10.0000	9.7850
85 4-Nitrophenol	109	6.822	6.822	(1.019)	350032	5.00000	4.5626
86 Dibenzofuran	168	6.869	6.869	(1.026)	1925799	5.00000	4.7564
87 2,4-Dinitrotoluene	165	6.871	6.871	(1.026)	519770	5.00000	5.4819
91 2,3,5,6-Tetrachlorophenol	232	6.938	6.938	(1.036)	450546	5.00000	5.1678
93 Diethylphthalate	149	7.061	7.061	(1.055)	1622732	5.00000	4.9052
94 Fluorene	166	7.149	7.149	(1.068)	1583979	5.00000	4.9954
95 4-Chlorophenyl-phenylether	204	7.146	7.146	(1.067)	774108	5.00000	4.8331
96 4-Nitroaniline	138	7.187	7.187	(1.073)	454871	5.00000	5.7063
98 4,6-Dinitro-2-methylphenol	198	7.203	7.203	(0.909)	355633	5.00000	5.7989
99 N-Nitrosodiphenylamine	169	7.252	7.252	(0.916)	1217268	5.00000	5.5824
100 1,2-Diphenylhydrazine	77	7.277	7.277	(0.919)	2866266	5.00000	4.9593
106 4-Bromophenyl-phenylether	248	7.550	7.550	(0.953)	446402	5.00000	5.5478
107 Hexachlorobenzene	284	7.604	7.604	(0.960)	435603	5.00000	5.6930
212 Atrazine	200	7.694	7.694	(0.971)	457498	5.00000	5.8495
111 Pentachlorophenol	266	7.769	7.769	(0.981)	324115	5.00000	5.5732
115 Phenanthrene	178	7.941	7.941	(1.003)	2361506	5.00000	5.3904
116 Anthracene	178	7.982	7.982	(1.008)	2329947	5.00000	5.5584
119 Carbazole	167	8.118	8.118	(1.025)	2079129	5.00000	5.2353
120 Di-n-Butylphthalate	149	8.396	8.396	(1.060)	2779330	5.00000	5.4733
123 Fluoranthene	202	8.915	8.915	(1.126)	2548118	5.00000	5.0573
124 Benzidine	184	9.031	9.031	(0.893)	1276432	5.00000	4.5403
125 Pyrene	202	9.101	9.101	(0.900)	2654985	5.00000	4.8649
131 Butylbenzylphthalate	149	9.625	9.625	(0.952)	1239767	5.00000	5.3994
133 3,3'-Dimethoxybenzidine	244	9.221	9.221	(0.912)	1725535	5.00000	5.3539
135 3,3' Dichlorobenzidine	252	10.083	10.083	(0.997)	987660	5.00000	5.5873
136 Benzo(a)Anthracene	228	10.101	10.101	(0.999)	3077166	5.00000	6.1030
137 Chrysene	228	10.132	10.132	(1.002)	2141948	5.00000	4.4744
138 4,4'-Methylene bis(o-chloroan	231	10.083	10.083	(0.997)	504509	5.00000	5.5713
139 bis(2-ethylhexyl)Phthalate	149	10.101	10.101	(0.999)	1854110	5.00000	5.4970
140 Di-n-octylphthalate	149	10.636	10.636	(0.940)	2889833	5.00000	5.4364

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
141 Benzo(b)fluoranthene	252	10.988	10.988	(0.971)	3018776	5.00000	6.3332
142 Benzo(k)fluoranthene	252	11.011	11.011	(0.973)	2193745	5.00000	4.6488
146 Benzo(a)pyrene	252	11.268	11.268	(0.996)	2300046	5.00000	5.4143
149 Indeno(1,2,3-cd)pyrene	276	12.384	12.384	(1.095)	2641253	5.00000	5.6417
150 Dibenz(a,h)anthracene	278	12.400	12.400	(1.096)	2179799	5.00000	5.5434
151 Benzo(g,h,i)perylene	276	12.701	12.701	(1.122)	2246241	5.00000	5.7242
$ 154 Nitrobenzene-d5	82	4.649	4.649	(0.888)	1277422	5.00000	4.4244
$ 155 2-Fluorobiphenyl	172	6.138	6.138	(0.917)	1658932	5.00000	4.9753
$ 156 Terphenyl-d14	244	9.221	9.221	(0.912)	1725535	5.00000	5.2488
$ 157 Phenol-d5	99	3.888	3.888	(0.929)	1262079	5.00000	4.7616
$ 158 2-Fluorophenol	112	3.155	3.155	(0.754)	842475	5.00000	5.0218
$ 159 2,4,6-Tribromophenol	330	7.352	7.352	(1.098)	206231	5.00000	5.3542
$ 186 2-Chlorophenol-d4	132	4.004	4.004	(0.957)	787898	5.00000	5.1240
$ 187 1,2-Dichlorobenzene-d4	152	4.312	4.312	(1.031)	457637	5.00000	4.9467
M 195 Cresols, total	100				1791518	5.00000	9.0412
101 Diphenylamine	169	7.252	7.252	(0.916)	1217268	5.00000	5.5824

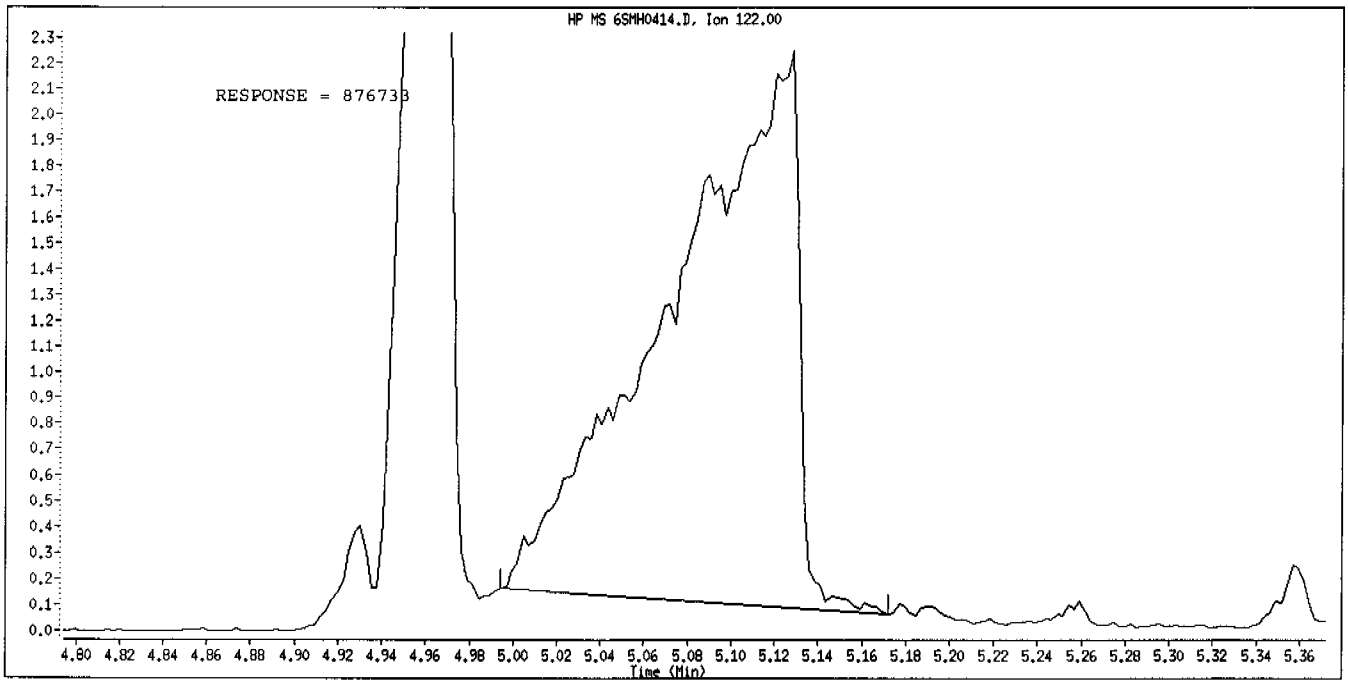
QC Flag Legend

M - Compound response manually integrated.

Data File Name: 6SMH0414.D
Inj. Date and Time: 14-APR-2004 07:50
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/14/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i
Lab File ID: 6AMH0414.D
Analysis Type:
Lab Sample ID: 16
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m

Injection Date: 14-APR-2004 08:10
Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Init. Cal. Times: 09:04 14:51
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 N-Nitrosomorpholine	1.10010	0.94315	0.94315	0.010	14.26640	50.00000	Averaged
8 Ethyl methanesulfonate	2.18846	1.73546	1.73546	0.010	20.69954	50.00000	Averaged
14 2-Picoline	2.52791	2.26754	2.26754	0.010	10.29960	50.00000	Averaged
15 N-Nitrosomethylethylamine	1.15550	1.04092	1.04092	0.010	9.91569	50.00000	Averaged
16 Methyl methanesulfonate	1.62636	1.33225	1.33225	0.010	18.08355	50.00000	Averaged
18 1,3-Dichloro-2-propanol	2.98796	2.50389	2.50389	0.010	16.20068	50.00000	Averaged
19 N-Nitrosodiethylamine	1.08687	0.93877	0.93877	0.010	13.62673	50.00000	Averaged
25 Pentachloroethane	0.54740	0.55733	0.55733	0.010	-1.81322	50.00000	Averaged
36 N-Nitrosopyrrolidine	0.99884	0.92179	0.92179	0.010	7.71339	50.00000	Averaged
39 o-Toluidine	3.21039	2.91525	2.91525	0.010	9.19314	50.00000	Averaged
40 N-Nitrosopiperidine	0.22223	0.20827	0.20827	0.010	6.28270	50.00000	Averaged
45 O,O,O-Triethyl phosphorothi	0.18403	0.18703	0.18703	0.010	-1.62579	50.00000	Averaged
53 a,a-Dimethyl-phenethylamine	5.00000	3.75671	0.86553	0.010	24.86571	0.000e+000	Quadratic
54 2,6-Dichlorophenol	0.26002	0.29199	0.29199	0.010	-12.29689	50.00000	Averaged
55 Hexachloropropene	0.23621	0.25441	0.25441	0.010	-7.70414	50.00000	Averaged
58 N-Nitrosodi-n-butylamine	0.44535	0.38558	0.38558	0.010	13.42118	50.00000	Averaged
60 p-Phenylene diamine	5.00000	4.43436	0.46094	0.010	11.31274	0.000e+000	Quadratic
61 Safrole	0.27561	0.28562	0.28562	0.010	-3.63376	50.00000	Averaged
65 1,2,4,5-Tetrachlorobenzene	0.58400	0.59324	0.59324	0.010	-1.58215	50.00000	Averaged
71 Isosafrole 1	0.15221	0.16190	0.16190	0.010	-6.36735	50.00000	Averaged
M 188 Isosafrole, Total	1.10653	1.20218	1.20218	0.010	-8.64401	50.00000	Averaged
72 Isosafrole 2	0.95432	1.04028	1.04028	0.010	-9.00714	50.00000	Averaged
75 1,4-Naphthoquinone	5.00000	6.37960	0.46447	0.010	-27.59209	0.000e+000	Quadratic
84 Pentachlorobenzene	0.48753	0.49741	0.49741	0.010	-2.02632	50.00000	Averaged
89 1-Naphthylamine	1.17542	1.27135	1.27135	0.010	-8.16090	50.00000	Averaged
92 2-Naphthylamine	1.12188	1.27691	1.27691	0.010	-13.81937	50.00000	Averaged
90 Zinophos	0.46785	0.43583	0.43583	0.010	6.84259	50.00000	Averaged
102 Tetraethyl dithiopyrophosph	0.10544	0.10741	0.10741	0.010	-1.86586	50.00000	Averaged
103 Diallate 1	0.97682	0.87891	0.87891	0.010	10.02384	50.00000	Averaged
M 189 Diallate, Total	4.76396	3.98461	3.98461	0.010	16.35929	50.00000	Averaged
109 Diallate 2	0.20701	0.18593	0.18593	0.010	10.18479	50.00000	Averaged
104 Phorate	0.17000	0.18146	0.18146	0.010	-6.74325	50.00000	Averaged
105 1,3,5-Trinitrobenzene	5.00000	5.21320	0.10566	0.010	-4.26409	0.000e+000	Quadratic
108 Phenacetin	0.54207	0.52734	0.52734	0.010	2.71705	50.00000	Averaged
110 Dimethoate	0.44767	0.45075	0.45075	0.010	-0.68979	50.00000	Averaged
112 Pentachloronitrobenzene	0.10269	0.11859	0.11859	0.010	-15.48920	50.00000	Averaged
113 4-Aminobiphenyl	0.76648	0.85317	0.85317	0.010	-11.31010	50.00000	Averaged
114 Pronamide	0.35759	0.37764	0.37764	0.010	-5.60702	50.00000	Averaged
117 Dinoseb	5.00000	5.07948	0.20707	0.010	-1.58965	0.000e+000	Quadratic
118 Disulfoton	0.72775	0.63362	0.63362	0.010	12.93368	50.00000	Averaged
121 4-Nitroquinoline 1-oxide	5.00000	4.55475	0.10254	0.010	8.90491	0.000e+000	Quadratic
122 Methapyrilene	5.00000	5.39945	0.55103	0.010	-7.98909	0.000e+000	Quadratic

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 14-APR-2004 08:10
Lab File ID: 6AMH0414.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
126 Aramite 1	0.06727	0.06888	0.06888	0.010	-2.39364	50.00000	Averaged	
M 191 Aramite, Total	0.60713	0.58734	0.58734	0.010	3.25963	50.00000	Averaged	
127 Aramite 2	0.08405	0.08909	0.08909	0.010	-5.98682	50.00000	Averaged	
128 p-Dimethylamino azobenzene	0.27435	0.28202	0.28202	0.010	-2.79578	50.00000	Averaged	
129 p-Chlorobenzilate	0.42506	0.45881	0.45881	0.010	-7.94080	50.00000	Averaged	
130 Famphur 1	0.20104	0.45208	0.45208	0.010	-125	50.00000	Averaged	<-
132 3,3'-Dimethylbenzidine	0.54450	0.61757	0.61757	0.010	-13.41894	50.00000	Averaged	
134 2-Acetylaminofluorene	5.00000	5.21392	0.58048	0.010	-4.27839	0.000e+000	Quadratic	
143 7,12-dimethylbenz[a]anthrac	0.74445	0.78938	0.78938	0.010	-6.03435	50.00000	Averaged	
144 Hexachlorophene	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
145 Hexachlorophene product	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
148 3-Methylcholanthrene	0.85498	0.90106	0.90106	0.010	-5.39035	50.00000	Averaged	
193 3-Methylphenol	1.73254	1.63201	1.63201	0.010	5.80292	50.00000	Averaged	
69 1,4-Dinitrobenzene	0.22516	0.23298	0.23298	0.010	-3.47137	50.00000	Averaged	
77 m-Dinitrobenzene	0.25090	0.25693	0.25693	0.010	-2.40069	50.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.31140	0.33402	0.33402	0.010	-7.26303	50.00000	Averaged	
97 5-Nitro-o-toluidine	0.38814	0.41276	0.41276	0.010	-6.34300	50.00000	Averaged	
199 3-Picoline	2.35147	2.13377	2.13377	0.010	9.25829	50.00000	Averaged	
200 N,N-Dimethylacetamide	1.42379	1.14316	1.14316	0.010	19.71017	50.00000	Averaged	
225 Methyl parathion	0.33055	0.34207	0.34207	0.010	-3.48545	50.00000	Averaged	
226 Parathion	0.24445	0.23968	0.23968	0.010	1.95356	50.00000	Averaged	
227 Isodrin	0.23421	0.18641	0.18641	0.010	20.40875	50.00000	Averaged	
228 Kepone	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-

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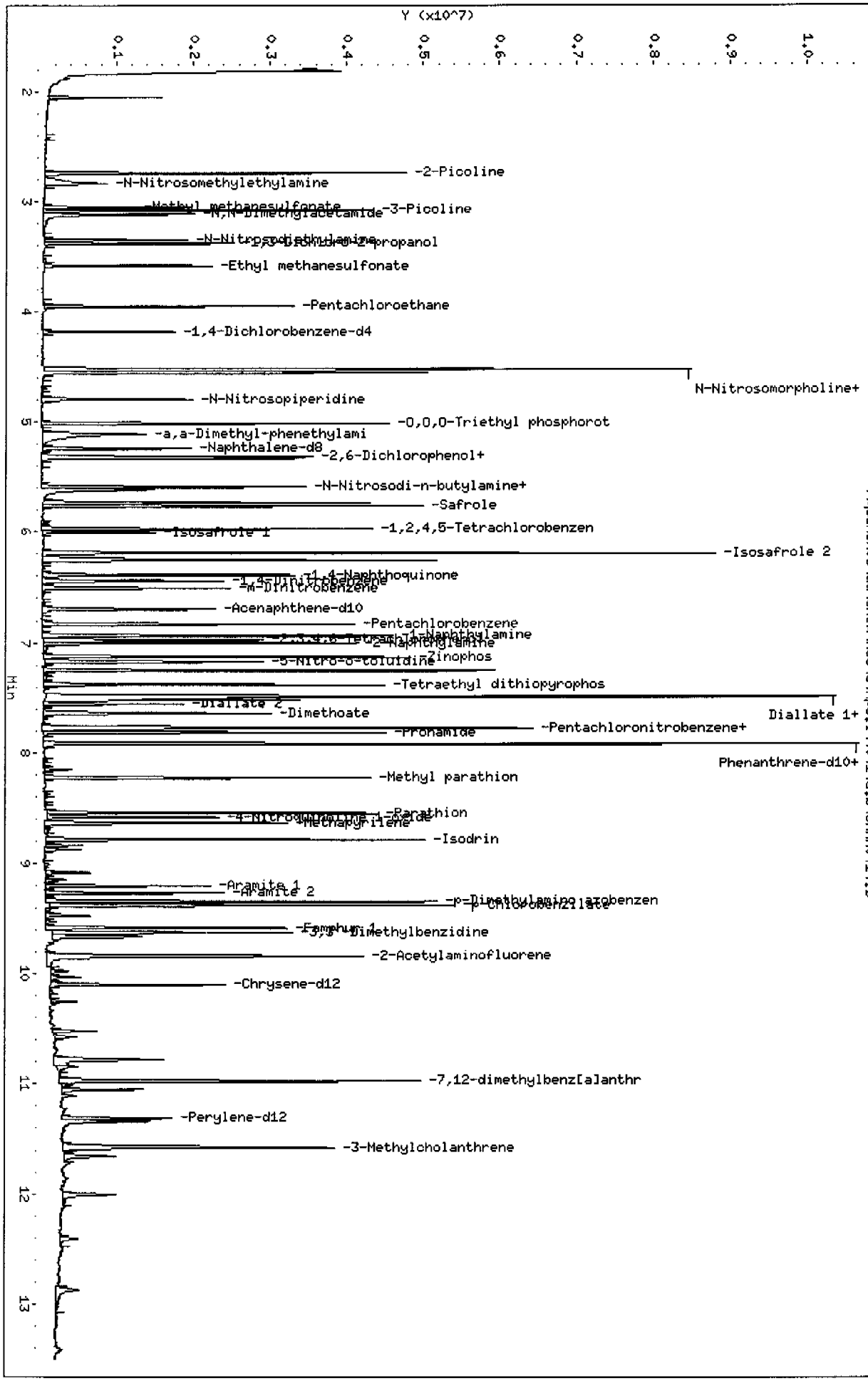
Date : 14-APR-2004 08:10
Client ID:
Sample Info: 16,40414a,b,8270p,2-ap9,sub,2
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



Page 1

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Inj Date : 14-APR-2004 08:10
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 16,40414a.b,8270p,2-ap9.sub,2
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m
Meth Date : 14-Apr-2004 08:49 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

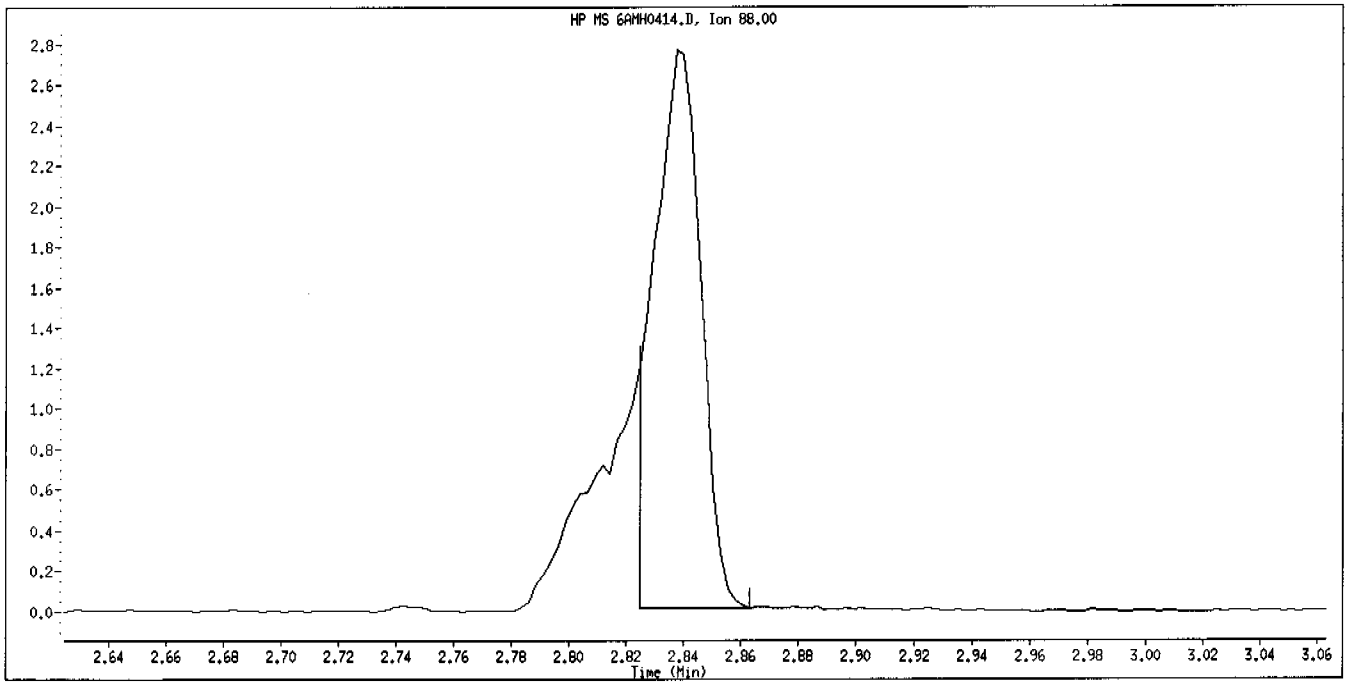
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.182	4.182	(1.000)	169927	2.00000	
* 2 Naphthalene-d8	136	5.236	5.236	(1.000)	663775	2.00000	
* 3 Acenaphthene-d10	164	6.694	6.694	(1.000)	366385	2.00000	
* 4 Phenanthrene-d10	188	7.918	7.918	(1.000)	635867	2.00000	
* 5 Chrysene-d12	240	10.101	10.101	(1.000)	631800	2.00000	
* 6 Perylene-d12	264	11.310	11.310	(1.000)	453642	2.00000	
7 N-Nitrosomorpholine	56	4.547	4.547	(1.087)	400668	5.00000	4.2867
8 Ethyl methanesulfonate	79	3.585	3.585	(0.857)	737253	5.00000	3.9650
14 2-Picoline	93	2.742	2.742	(0.656)	963292	5.00000	4.4850
15 N-Nitrosomethylethylamine	88	2.837	2.837	(0.678)	442201	5.00000	4.5042(M)
16 Methyl methanesulfonate	80	3.058	3.058	(0.731)	565965	5.00000	4.0958
18 1,3-Dichloro-2-propanol	79	3.382	3.382	(0.809)	1063698	5.00000	4.1900
19 N-Nitrosodiethylamine	102	3.351	3.351	(0.801)	398804	5.00000	4.3187
25 Pentachloroethane	167	3.953	3.953	(0.945)	236762	5.00000	5.0907
36 N-Nitrosopyrrolidine	100	4.519	4.519	(1.081)	391593	5.00000	4.6143
39 o-Toluidine	106	4.552	4.552	(1.089)	1238451	5.00000	4.5403
40 N-Nitrosopiperidine	114	4.794	4.794	(0.916)	345614	5.00000	4.6859
45 O,O,O-Triethyl phosphorothioa	198	5.012	5.012	(0.957)	310357	5.00000	5.0813
53 a,a Dimethyl-phenethylamine	58	5.105	5.105	(0.975)	1436300	5.00000	3.7567
54 2,6-Dichlorophenol	162	5.313	5.313	(1.015)	484545	5.00000	5.6148
55 Hexachloropropene	213	5.326	5.326	(1.017)	422174	5.00000	5.3852
58 N-Nitrosodi-n-butylamine	84	5.586	5.586	(1.067)	639840	5.00000	4.3289
60 p-Phenylene diamine	108	5.612	5.612	(1.072)	764893	5.00000	4.4344
61 Safrole	162	5.761	5.761	(1.100)	473975	5.00000	5.1817
65 1,2,4,5-Tetrachlorobenzene	216	5.972	5.972	(0.892)	543385	5.00000	5.0791
71 Isosafrole 1	162	6.002	6.002	(0.897)	148296	5.00000	5.3184
M 188 Isosafrole, Total	162				1101153	5.00000	5.4322
72 Isosafrole 2	162	6.193	6.193	(0.925)	952857	5.00000	5.4504
75 1,4-Naphthoquinone	158	6.388	6.388	(0.954)	425436	5.00000	6.3796
84 Pentachlorobenzene	250	6.833	6.833	(1.021)	455607	5.00000	5.1013
89 1-Naphthylamine	143	6.936	6.936	(1.036)	1164505	5.00000	5.4080
92 2 Naphthylamine	143	7.003	7.003	(1.046)	1169605	5.00000	5.6910
90 Zinophos	97	7.124	7.124	(1.064)	399207	5.00000	4.6579

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	7.376	7.376	(0.931)	170746	5.00000	5.0933
103 Diallate 1	86	7.484	7.484	(0.945)	1397169	5.00000	4.4988
M 189 Diallate, Total	100				1692732	5.00000	4.1820
109 Diallate 2	86	7.553	7.553	(0.954)	295563	5.00000	4.4908
104 Phorate	121	7.491	7.491	(0.946)	288468	5.00000	5.3372
105 1,3,5-Trinitrobenzene	213	7.481	7.481	(0.945)	167958	5.00000	5.2132
108 Phenacetin	108	7.517	7.517	(0.949)	838301	5.00000	4.8641
110 Dimethoate	87	7.640	7.640	(0.965)	716548	5.00000	5.0345
112 Pentachloronitrobenzene	237	7.777	7.777	(0.982)	188526	5.00000	5.7745
113 4-Aminobiphenyl	169	7.769	7.769	(0.981)	1356264	5.00000	5.5655
114 Pronamide	173	7.815	7.815	(0.987)	600315	5.00000	5.2804
117 Dinoseb	211	7.918	7.918	(1.000)	329178	5.00000	5.0795
118 Disulfoton	88	7.918	7.918	(1.000)	1007253	5.00000	4.3533
121 4 Nitroquinoline 1-oxide	190	8.584	8.584	(1.084)	163012	5.00000	4.5548(Q)
122 Methapyrilene	58	8.633	8.633	(1.090)	875950	5.00000	5.3994
126 Aramite 1	185	9.201	9.201	(0.911)	108800	5.00000	5.1197
M 191 Aramite, Total	100				249511	5.00000	4.8370
127 Aramite 2	185	9.263	9.263	(0.917)	140711	5.00000	5.2993
128 p-Dimethylamino azobenzene	225	9.343	9.343	(0.925)	445445	5.00000	5.1398
129 p-Chlorobenzilate	139	9.374	9.374	(0.928)	724690	5.00000	5.3970
130 Famphur 1	218	9.582	9.582	(0.949)	714067	5.00000	11.244
132 3,3'-Dimethylbenzidine	212	9.623	9.623	(0.953)	975452	5.00000	5.6709
134 2-Acetylaminofluorene	181	9.836	9.836	(0.974)	916863	5.00000	5.2139
143 7,12-dimethylbenz[a]anthracen	256	10.973	10.973	(0.970)	895236	5.00000	5.3017
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.575	11.575	(1.023)	1021902	5.00000	5.2695
193 3-Methylphenol	108	4.526	4.526	(1.082)	693305	5.00000	4.7098
69 1,4-Dinitrobenzene	168	6.445	6.445	(0.963)	213398	5.00000	5.1736
77 m-Dinitrobenzene	168	6.509	6.509	(0.972)	235336	5.00000	5.1200
88 2,3,4,6-Tetrachlorophenol	232	6.972	6.972	(1.041)	305947	5.00000	5.3632
97 5-Nitro-o-toluidine	152	7.170	7.170	(1.071)	378076	5.00000	5.3171
199 3-Picoline	93	3.081	3.081	(0.737)	906461	5.00000	4.5371
200 N,N-Dimethylacetamide	44	3.117	3.117	(0.745)	485634	5.00000	4.0145
225 Methyl parathion	109	8.229	8.229	(1.039)	543782	5.00000	5.1743
226 Parathion	97	8.546	8.546	(1.079)	381004	5.00000	4.9023
227 Isodrin	66	8.785	8.785	(1.109)	296325	5.00000	3.9796
228 Kepone	272	Compound Not Detected.					

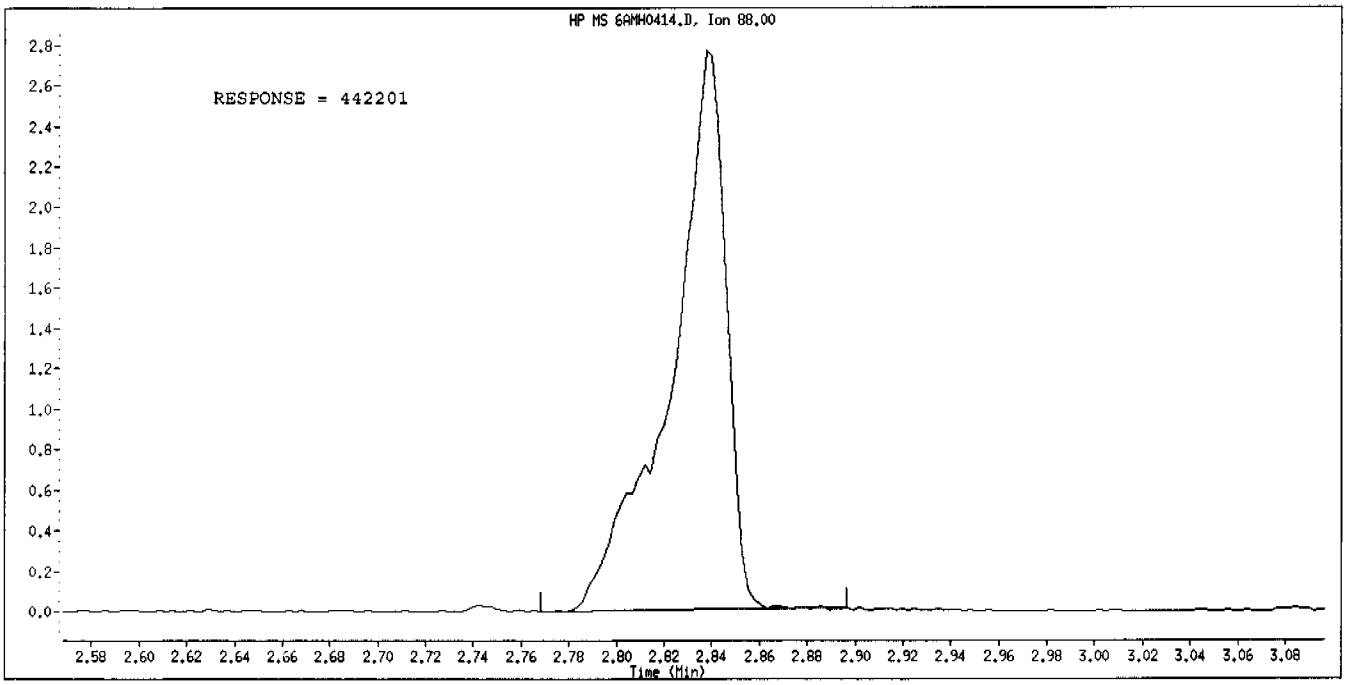
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: 6AMH0414.D
Inj. Date and Time: 14-APR-2004 08:10
Instrument ID: a4hp6.i
Client ID:
Compound Name: N-Nitrosomethylethylamine
CAS #: 10595-95-6
Report Date: 04/14/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Calibration History

Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40415a.b\8270p.m
Start Cal Date: 12-APR-2004 09:04
End Cal Date : 12-APR-2004 14:51
Last Cal Level: 2
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
12-APR-2004 10:25	pah	6SLL0412.D
Cal Level: 2 , Cal Amount: 0.25000		
12-APR-2004 14:51	2-ap9	6AL0412.D
12-APR-2004 10:05	3-827042	6SL0412.D
Cal Level: 3 , Cal Amount: 0.50000		
12-APR-2004 14:30	2-ap9	6AML0412.D
12-APR-2004 09:44	3-827042	6SML0412.D
Cal Level: 4 , Cal Amount: 1.00000		
12-APR-2004 14:09	2-ap9	6AM0412.D
12-APR-2004 09:24	3-827042	6SM0412.D
Cal Level: 5 , Cal Amount: 2.50000		
12-APR-2004 13:49	2-ap9	6AMM0412.D
12-APR-2004 09:04	3-827042	6SMM0412.D
Cal Level: 6 , Cal Amount: 5.00000		
12-APR-2004 13:28	2-ap9	6AMH0412.D
12-APR-2004 10:45	3-827042	6SMH0412.D
Cal Level: 7 , Cal Amount: 7.50000		
12-APR-2004 13:07	2-ap9	6AH0412.D
12-APR-2004 11:05	3-827042	6SH0412.D
Cal Level: 8 , Cal Amount: 10.00000		

12-APR-2004 12:46	2-ap9	6AHH0412.D
12-APR-2004 11:25	3-827042	6SHH0412.D

Cal Level: 9 , Cal Amount: 12.50000		
12-APR-2004 12:26	2-ap9	6AHHH412.D
12-APR-2004 11:45	L9	6HHH0412.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 6

15-APR-2004 09:03	3-827042	6SMH0415.D
15-APR-2004 09:23	2-ap9	6AMH0415.D

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i
Lab File ID: 6SMH0415.D
Analysis Type:
Lab Sample ID: 16
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40415a.b\8270p.m

Injection Date: 15-APR-2004 09:03
Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Init. Cal. Times: 09:04 14:51
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
198 1,4-Dioxane	0.83130	0.75097	0.75097	0.010	9.66393	50.00000	Averaged
9 Pyridine	2.23304	2.12443	2.12443	0.010	4.86386	50.00000	Averaged
10 N-Nitrosodimethylamine	1.69534	1.45935	1.45935	0.010	13.91977	50.00000	Averaged
12 3-Chloropropionitrile	0.89421	0.78928	0.78928	0.010	11.73431	50.00000	Averaged
209 Benzaldehyde	5.00000	4.05590	1.39211	0.010	18.88200	0.000e+000	Quadratic
21 Aniline	3.20644	2.91566	2.91566	0.010	9.06869	50.00000	Averaged
22 Phenol	2.64254	2.43767	2.43767	0.010	7.75296	20.00000	Averaged
23 bis(2-Chloroethyl)ether	1.92319	1.72288	1.72288	0.010	10.41508	50.00000	Averaged
24 2-Chlorophenol	1.39266	1.45214	1.45214	0.010	-4.27087	50.00000	Averaged
26 1,3-Dichlorobenzene	1.27757	1.40050	1.40050	0.010	-9.62166	50.00000	Averaged
27 1,4-Dichlorobenzene	1.16329	1.25455	1.25455	0.010	-7.84429	20.00000	Averaged
28 1,2-Dichlorobenzene	1.23428	1.32390	1.32390	0.010	-7.26076	50.00000	Averaged
29 Benzyl Alcohol	1.22590	1.10631	1.10631	0.010	9.75456	50.00000	Averaged
30 2-Methylphenol	1.74801	1.57366	1.57366	0.010	9.97421	50.00000	Averaged
31 bis(2-Chloroisopropyl)ether	1.61737	1.34176	1.34176	0.010	17.04107	50.00000	Averaged
37 Acetophenone	2.39836	2.33879	2.33879	0.010	2.48345	50.00000	Averaged
32 N-Nitroso-di-n-propylamine	2.04327	1.71958	1.71958	0.050	15.84196	50.00000	Averaged
192 4-Methylphenol	1.72261	1.64022	1.64022	0.010	4.78283	50.00000	Averaged
34 Hexachloroethane	0.62233	0.61227	0.61227	0.010	1.61698	50.00000	Averaged
35 Nitrobenzene	0.71946	0.65545	0.65545	0.010	8.89595	50.00000	Averaged
41 Isophorone	1.15796	1.09993	1.09993	0.010	5.01152	50.00000	Averaged
42 2-Nitrophenol	0.18712	0.21731	0.21731	0.010	-16.12997	20.00000	Averaged
43 2,4-Dimethylphenol	0.50562	0.51431	0.51431	0.010	-1.71876	50.00000	Averaged
44 bis(2-Chloroethoxy)methane	0.60970	0.55847	0.55847	0.010	8.40341	50.00000	Averaged
46 2,4-Toluenediamene	5.00000	6.76078	0.15385	0.010	-35.21557	0.000e+000	Quadratic
47 1,3,5-Trichlorobenzene	0.28692	0.30241	0.30241	0.010	-5.40119	50.00000	Averaged
48 2,4 Dichlorophenol	0.28247	0.31159	0.31159	0.010	-10.30900	20.00000	Averaged
49 Benzoic Acid	10.00000	5.59992	0.12216	0.010	44.00076	0.000e+000	Quadratic
50 1,2,4-Trichlorobenzene	0.28755	0.29714	0.29714	0.010	-3.33305	50.00000	Averaged
51 Naphthalene	1.01149	1.09112	1.09112	0.010	-7.87283	50.00000	Averaged
52 4-Chloroaniline	0.41479	0.44336	0.44336	0.010	-6.88736	50.00000	Averaged
56 Hexachlorobutadiene	0.17257	0.17899	0.17899	0.010	-3.72180	20.00000	Averaged
210 Caprolactam	0.13395	0.13112	0.13112	0.010	2.11254	50.00000	Averaged
57 1,2,3-Trichlorobenzene	0.27249	0.27454	0.27454	0.010	-0.74996	50.00000	Averaged
59 4-Chloro-3-Methylphenol	0.42323	0.44341	0.44341	0.010	-4.76845	20.00000	Averaged
62 2-Methylnaphthalene	0.63625	0.67575	0.67575	0.010	-6.20879	50.00000	Averaged
63 1-Methylnaphthalene	0.61906	0.65278	0.65278	0.010	-5.44680	50.00000	Averaged
64 Hexachlorocyclopentadiene	0.35437	0.36437	0.36437	0.050	-2.82303	50.00000	Averaged
66 2,4,6-Trichlorophenol	0.38421	0.39905	0.39905	0.010	-3.86157	20.00000	Averaged
67 2,4,5-Trichlorophenol	0.40111	0.42499	0.42499	0.010	-5.95428	50.00000	Averaged
211 1,1'-Biphenyl	1.43736	1.48219	1.48219	0.010	-3.11907	50.00000	Averaged
68 1,2,3,5-Tetrachlorobenzene	0.50394	0.52317	0.52317	0.010	-3.81604	50.00000	Averaged

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 15-APR-2004 09:03
Lab File ID: 6SMH0415.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40415a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 2-Chloronaphthalene	1.04016	1.11047	1.11047	0.010	-6.75956	50.00000	Averaged
73 2-Nitroaniline	0.65287	0.60842	0.60842	0.010	6.80857	50.00000	Averaged
74 1,2,3,4-Tetrachlorobenzene	0.48245	0.48783	0.48783	0.010	-1.11455	50.00000	Averaged
76 Dimethylphthalate	1.23702	1.33147	1.33147	0.010	-7.63515	50.00000	Averaged
78 2,6-Dinitrotoluene	0.26712	0.29887	0.29887	0.010	-11.88324	50.00000	Averaged
79 Acenaphthylene	1.82682	1.88234	1.88234	0.010	-3.03923	50.00000	Averaged
80 1,2-Dinitrobenzene	0.14532	0.15339	0.15339	0.010	-5.55451	50.00000	Averaged
81 3-Nitroaniline	0.30169	0.34118	0.34118	0.010	-13.09029	50.00000	Averaged
82 Acenaphthene	1.18983	1.19581	1.19581	0.010	-0.50271	20.00000	Averaged
83 2,4-Dinitrophenol	10.00000	9.24148	0.21373	0.050	7.58522	0.000e+000	Quadratic
85 4-Nitrophenol	5.00000	4.79693	0.29452	0.050	4.06137	0.000e+000	Quadratic
86 Dibenzofuran	1.61682	1.59450	1.59450	0.010	1.38021	50.00000	Averaged
87 2,4-Dinitrotoluene	0.37862	0.42793	0.42793	0.010	-13.02329	50.00000	Averaged
91 2,3,5,6-Tetrachlorophenol	0.34815	0.34852	0.34852	0.010	-0.10840	50.00000	Averaged
93 Diethylphthalate	1.32103	1.36096	1.36096	0.010	-3.02234	50.00000	Averaged
94 Fluorene	1.26622	1.30718	1.30718	0.010	-3.23545	50.00000	Averaged
95 4-Chlorophenyl-phenylether	0.63959	0.62536	0.62536	0.010	2.22584	50.00000	Averaged
96 4-Nitroaniline	0.31832	0.35361	0.35361	0.010	-11.08769	50.00000	Averaged
98 4,6-Dinitro-2-methylphenol	0.14395	0.17024	0.17024	0.010	-18.26319	50.00000	Averaged
99 N-Nitrosodiphenylamine	0.51183	0.59497	0.59497	0.010	-16.24478	20.00000	Averaged
100 1,2-Diphenylhydrazine	1.35662	1.27656	1.27656	0.010	5.90117	50.00000	Averaged
106 4-Bromophenyl-phenylether	0.18887	0.21529	0.21529	0.010	-13.98626	50.00000	Averaged
107 Hexachlorobenzene	0.17960	0.21091	0.21091	0.010	-17.43192	50.00000	Averaged
212 Atrazine	0.18358	0.21795	0.21795	0.010	-18.72069	50.00000	Averaged
111 Pentachlorophenol	0.13651	0.13579	0.13579	0.010	0.52572	20.00000	Averaged
115 Phenanthrene	1.02832	1.13210	1.13210	0.010	-10.09164	50.00000	Averaged
116 Anthracene	0.98391	1.13327	1.13327	0.010	-15.18072	50.00000	Averaged
119 Carbazole	0.93218	1.01461	1.01461	0.010	-8.84290	50.00000	Averaged
120 Di-n-Butylphthalate	1.19193	1.36993	1.36993	0.010	-14.93392	50.00000	Averaged
123 Fluoranthene	1.18266	1.21027	1.21027	0.010	-2.33423	20.00000	Averaged
124 Benzidine	5.00000	5.35037	0.71090	0.010	-7.00745	0.000e+000	Quadratic
125 Pyrene	1.26237	1.27702	1.27702	0.010	-1.16069	50.00000	Averaged
131 Butylbenzylphthalate	0.53111	0.61576	0.61576	0.010	-15.93647	50.00000	Averaged
133 3,3'-Dimethoxybenzidine	0.74551	0.83963	0.83963	0.010	-12.62530	50.00000	Averaged
135 3,3'-Dichlorobenzidine	0.40889	0.49295	0.49295	0.010	-20.55829	50.00000	Averaged
136 Benzo(a)Anthracene	1.16629	1.32906	1.32906	0.010	-13.95616	50.00000	Averaged
137 Chrysene	1.10731	1.18615	1.18615	0.010	-7.11951	50.00000	Averaged
138 4,4'-Methylene bis(o-chloro	0.20946	0.24970	0.24970	0.010	-19.21127	50.00000	Averaged
139 bis(2-ethylhexyl)Phthalate	0.78019	0.89234	0.89234	0.010	-14.37473	50.00000	Averaged
140 Di-n-octylphthalate	1.70730	1.95464	1.95464	0.010	-14.48766	20.00000	Averaged
141 Benzo(b)fluoranthene	1.53093	1.78921	1.78921	0.010	-16.87063	50.00000	Averaged
142 Benzo(k)fluoranthene	1.51563	1.62612	1.62612	0.010	-7.29026	50.00000	Averaged

STL - North Canton

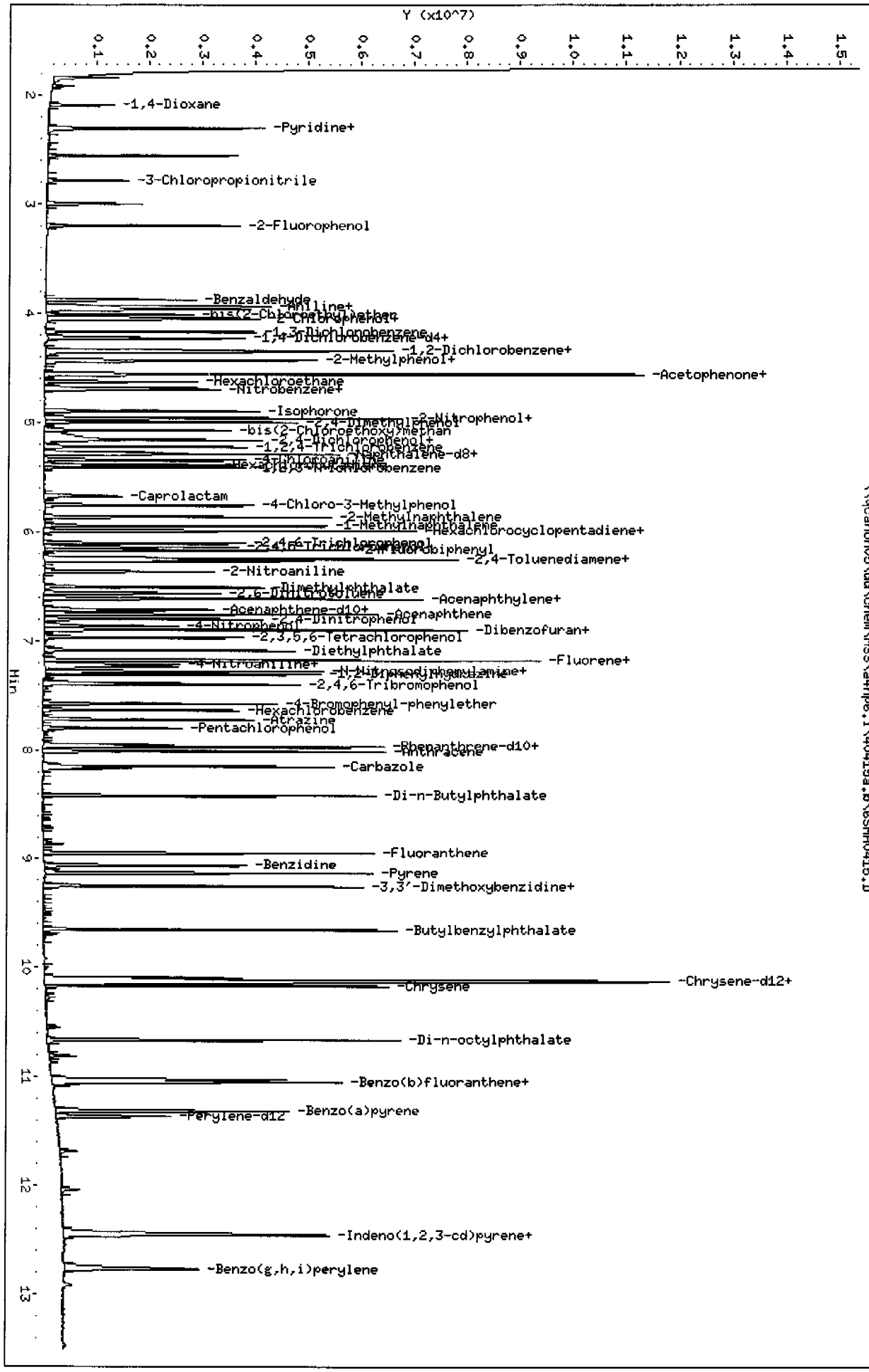
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 15-APR-2004 09:03
Lab File ID: 6SMH0415.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40415a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
146 Benzo(a)pyrene	1.36440	1.51566	1.51566	0.010	-11.08637	20.00000	Averaged
149 Indeno(1,2,3-cd)pyrene	1.50365	1.76897	1.76897	0.010	-17.64508	50.00000	Averaged
150 Dibenz(a,h)anthracene	1.26295	1.45782	1.45782	0.010	-15.42910	50.00000	Averaged
151 Benzo(g,h,i)perylene	1.26036	1.43571	1.43571	0.010	-13.91274	50.00000	Averaged
$ 154 Nitrobenzene-d5	0.67083	0.63698	0.63698	0.010	5.04606	50.00000	Averaged
$ 155 2-Fluorobiphenyl	1.33149	1.38308	1.38308	0.010	-3.87524	50.00000	Averaged
$ 156 Terphenyl-d14	0.76043	0.83963	0.83963	0.010	-10.41571	50.00000	Averaged
$ 157 Phenol-d5	2.32069	2.28461	2.28461	0.010	1.55507	50.00000	Averaged
$ 158 2-Fluorophenol	1.46887	1.50030	1.50030	0.010	-2.13978	50.00000	Averaged
$ 159 2,4,6-Tribromophenol	0.15381	0.16658	0.16658	0.010	-8.30441	50.00000	Averaged
$ 186 2-Chlorophenol-d4	1.34632	1.37957	1.37957	0.010	-2.46990	50.00000	Averaged
$ 187 1,2-Dichlorobenzene-d4	0.81001	0.80313	0.80313	0.010	0.84901	50.00000	Averaged
M 195 Cresols, total	3.47062	3.21388	3.21388	0.010	7.39752	50.00000	Averaged
101 Diphenylamine	0.51183	0.59497	0.59497	0.010	-16.24478	50.00000	Averaged

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40415a.b\6SHH0415.D
Date : 15-APR-2004 09:03
Client ID:
Sample Info: 16,40415a,b,8270p,3-827042,sub,2
Column phase: db5,625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



Page 1

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40415a.b\6SMH0415.D
Lab Smp Id: 16
Inj Date : 15-APR-2004 09:03
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 16,40415a.b,8270p,3-827042.sub,2
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp6.i\40415a.b\8270p.m
Meth Date : 15-Apr-2004 09:57 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.213	4.213	(1.000)	175011	2.00000	
* 2 Naphthalene-d8	136	5.269	5.269	(1.000)	646290	2.00000	
* 3 Acenaphthene-d10	164	6.727	6.727	(1.000)	372666	2.00000	
* 4 Phenanthrene-d10	188	7.951	7.951	(1.000)	635944	2.00000	
* 5 Chrysene-d12	240	10.140	10.140	(1.000)	627316	2.00000	
* 6 Perylene-d12	264	11.359	11.359	(1.000)	458468	2.00000	
198 1,4-Dioxane	88	2.083	2.083	(0.495)	328568	5.00000	4.5168
9 Pyridine	79	2.299	2.299	(0.546)	929497	5.00000	4.7568
10 N-Nitrosodimethylamine	74	2.297	2.297	(0.545)	638507	5.00000	4.3040
12 3-Chloropropionitrile	54	2.778	2.778	(0.659)	345332	5.00000	4.4133
209 Benzaldehyde	77	3.873	3.873	(0.919)	609085	5.00000	4.0559
21 Aniline	93	3.960	3.960	(0.940)	1275682	5.00000	4.5466
22 Phenol	94	3.940	3.940	(0.935)	1066547	5.00000	4.6124
23 bis(2-Chloroethyl)ether	93	4.007	4.007	(0.951)	753809	5.00000	4.4792
24 2-Chlorophenol	128	4.050	4.050	(0.962)	635349	5.00000	5.2135
26 1,3-Dichlorobenzene	146	4.169	4.169	(0.990)	612756	5.00000	5.4811
27 1,4-Dichlorobenzene	146	4.228	4.228	(1.004)	548898	5.00000	5.3922
28 1,2-Dichlorobenzene	146	4.354	4.354	(1.034)	579241	5.00000	5.3630
29 Benzyl Alcohol	108	4.336	4.336	(1.029)	484043	5.00000	4.5123
30 2-Methylphenol	108	4.426	4.426	(1.051)	688520	5.00000	4.5013
31 bis(2-Chloroisopropyl)ether	45	4.439	4.439	(1.054)	587055	5.00000	4.1479
37 Acetophenone	105	4.554	4.554	(1.081)	1023287	5.00000	4.8758
32 N-Nitroso-di-n-propylamine	70	4.557	4.557	(1.082)	752363	5.00000	4.2079
192 4-Methylphenol	108	4.557	4.557	(1.082)	717640	5.00000	4.7608
34 Hexachloroethane	117	4.627	4.627	(1.098)	267885	5.00000	4.9192
35 Nitrobenzene	77	4.699	4.699	(0.892)	1059034	5.00000	4.5552
41 Isophorone	82	4.897	4.897	(0.929)	1777189	5.00000	4.7494
42 2-Nitrophenol	139	4.961	4.961	(0.941)	351107	5.00000	5.8065
43 2,4-Dimethylphenol	107	4.994	4.994	(0.948)	830986	5.00000	5.0859
44 bis(2-Chloroethoxy)methane	93	5.069	5.069	(0.962)	902327	5.00000	4.5798
46 2,4-Toluenediamene	121	6.249	6.249	(1.186)	248576	5.00000	6.7608
47 1,3,5-Trichlorobenzene	180	4.961	4.961	(0.941)	488616	5.00000	5.2700
48 2,4-Dichlorophenol	162	5.159	5.159	(0.979)	503451	5.00000	5.5154

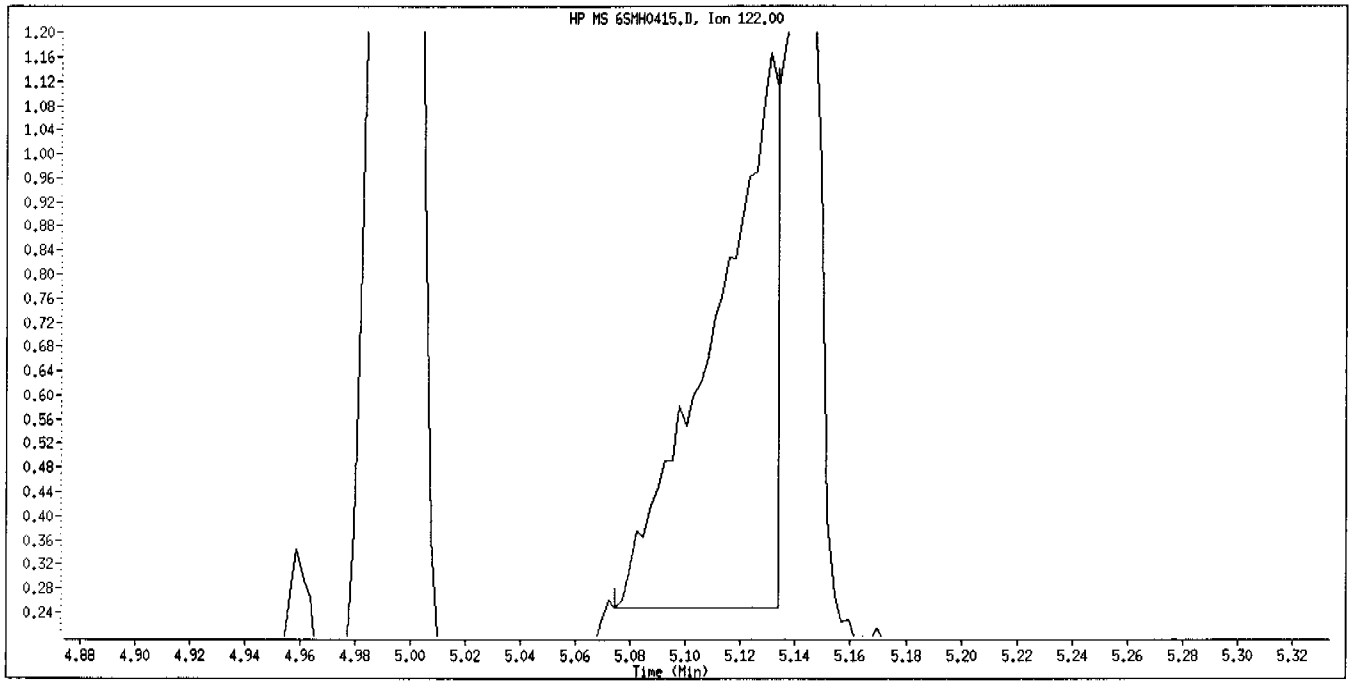
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.146	5.146	(0.977)	394746	10.0000	5.5999(M)
50 1,2,4 Trichlorobenzene	180	5.221	5.221	(0.991)	480090	5.00000	5.1666
51 Naphthalene	128	5.287	5.287	(1.003)	1762950	5.00000	5.3936
52 4-Chloroaniline	127	5.341	5.341	(1.014)	716347	5.00000	5.3444
56 Hexachlorobutadiene	225	5.385	5.385	(1.022)	289200	5.00000	5.1861
210 Caprolactam	113	5.673	5.673	(1.077)	211847	5.00000	4.8944
57 1,2,3-Trichlorobenzene	180	5.408	5.408	(1.026)	443578	5.00000	5.0375
59 4-Chloro-3-Methylphenol	107	5.755	5.755	(1.092)	716431	5.00000	5.2384
62 2-Methylnaphthalene	142	5.861	5.861	(1.112)	1091827	5.00000	5.3104
63 1-Methylnaphthalene	142	5.946	5.946	(1.128)	1054708	5.00000	5.2723
64 Hexachlorocyclopentadiene	237	5.989	5.989	(0.890)	339470	5.00000	5.1412
66 2,4,6-Trichlorophenol	196	6.105	6.105	(0.908)	371780	5.00000	5.1931
67 2,4,5-Trichlorophenol	196	6.141	6.141	(0.913)	395949	5.00000	5.2977
211 1,1'-Biphenyl	154	6.252	6.252	(0.929)	1380908	5.00000	5.1560
68 1,2,3,5-Tetrachlorobenzene	216	5.992	5.992	(0.891)	487420	5.00000	5.1908
70 2-Chloronaphthalene	162	6.270	6.270	(0.932)	1034588	5.00000	5.3380
73 2-Nitroaniline	65	6.365	6.365	(0.946)	566843	5.00000	4.6596
74 1,2,3,4-Tetrachlorobenzene	216	6.239	6.239	(0.927)	454492	5.00000	5.0557
76 Dimethylphthalate	163	6.509	6.509	(0.968)	1240481	5.00000	5.3818
78 2,6-Dinitrotoluene	165	6.563	6.563	(0.976)	278444	5.00000	5.5942
79 Acenaphthylene	152	6.612	6.612	(0.983)	1753711	5.00000	5.1520
80 1,2-Dinitrobenzene	168	6.617	6.617	(0.984)	142911	5.00000	5.2777
81 3-Nitroaniline	138	6.709	6.709	(0.997)	317863	5.00000	5.6545
82 Acenaphthene	153	6.756	6.756	(1.004)	1114094	5.00000	5.0251
83 2,4-Dinitrophenol	184	6.799	6.799	(1.011)	398250	10.0000	9.2415
85 4-Nitrophenol	109	6.861	6.861	(1.020)	274393	5.00000	4.7969
86 Dibenzofuran	168	6.897	6.897	(1.025)	1485544	5.00000	4.9310
87 2,4-Dinitrotoluene	165	6.902	6.902	(1.026)	398690	5.00000	5.6512
91 2,3,5,6-Tetrachlorophenol	232	6.969	6.969	(1.036)	324708	5.00000	5.0054
93 Diethylphthalate	149	7.087	7.087	(1.054)	1267956	5.00000	5.1511
94 Fluorene	166	7.180	7.180	(1.067)	1217857	5.00000	5.1618
95 4 Chlorophenyl-phenylether	204	7.175	7.175	(1.067)	582623	5.00000	4.8887
96 4-Nitroaniline	138	7.221	7.221	(1.073)	329446	5.00000	5.5544
98 4,6-Dinitro-2-methylphenol	198	7.239	7.239	(0.910)	270659	5.00000	5.9132
99 N-Nitrosodiphenylamine	169	7.280	7.280	(0.916)	945924	5.00000	5.8122
100 1,2-Diphenylhydrazine	77	7.309	7.309	(0.919)	2029558	5.00000	4.7049
106 4-Bromophenyl-phenylether	248	7.579	7.579	(0.953)	342274	5.00000	5.6993
107 Hexachlorobenzene	284	7.635	7.635	(0.960)	335317	5.00000	5.8716
212 Atrazine	200	7.723	7.723	(0.971)	346509	5.00000	5.9360
111 Pentachlorophenol	266	7.802	7.802	(0.981)	215885	5.00000	4.9737
115 Phenanthrene	178	7.972	7.972	(1.003)	1799880	5.00000	5.5046
116 Anthracene	178	8.013	8.013	(1.008)	1801747	5.00000	5.7590
119 Carbazole	167	8.152	8.152	(1.025)	1613089	5.00000	5.4421
120 Di-n-Butylphthalate	149	8.419	8.419	(1.059)	2177996	5.00000	5.7467
123 Fluoranthene	202	8.947	8.947	(1.125)	1924155	5.00000	5.1167
124 Benzidine	184	9.060	9.060	(0.893)	1114900	5.00000	5.3504
125 Pyrene	202	9.134	9.134	(0.901)	2002741	5.00000	5.0580
131 Butylbenzylphthalate	149	9.651	9.651	(0.952)	965683	5.00000	5.7968
133 3,3'-Dimethoxybenzidine	244	9.250	9.250	(0.912)	1316787	5.00000	5.6313
135 3,3'-Dichlorobenzidine	252	10.114	10.114	(0.997)	773083	5.00000	6.0279
136 Benzo(a)Anthracene	228	10.132	10.132	(0.999)	2084352	5.00000	5.6978
137 Chrysene	228	10.165	10.165	(1.003)	1860223	5.00000	5.3560
138 4,4'-Methylene bis(o-chloroan	231	10.111	10.111	(0.997)	391608	5.00000	5.9606
139 bis(2-ethylhexyl)Phthalate	149	10.124	10.124	(0.998)	1399453	5.00000	5.7187

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.662	10.662	(0.939)	2240355	5.00000	5.7244
141 Benzo(b)fluoranthene	252	11.024	11.024	(0.971)	2050734	5.00000	5.8435
142 Benzo(k)fluoranthene	252	11.050	11.050	(0.973)	1863814	5.00000	5.3645
146 Benzo(a)pyrene	252	11.312	11.312	(0.996)	1737207	5.00000	5.5543
149 Indeno(1,2,3-cd)pyrene	276	12.446	12.446	(1.096)	2027541	5.00000	5.8822
150 Dibenz(a,h)anthracene	278	12.459	12.459	(1.097)	1670906	5.00000	5.7714
151 Benzo(g,h,i)perylene	276	12.770	12.770	(1.124)	1645571	5.00000	5.6956
$ 154 Nitrobenzene-d5	82	4.681	4.681	(0.888)	1029186	5.00000	4.7477
$ 155 2-Fluorobiphenyl	172	6.167	6.167	(0.917)	1288571	5.00000	5.1938
$ 156 Terphenyl-d14	244	9.250	9.250	(0.912)	1316787	5.00000	5.5208
$ 157 Phenol-d5	99	3.927	3.927	(0.932)	999578	5.00000	4.9222
$ 158 2-Fluorophenol	112	3.192	3.192	(0.758)	656424	5.00000	5.1070
$ 159 2,4,6-Tribromophenol	330	7.383	7.383	(1.097)	155200	5.00000	5.4152
$ 186 2-Chlorophenol-d4	132	4.035	4.035	(0.958)	603602	5.00000	5.1235
$ 187 1,2-Dichlorobenzene-d4	152	4.341	4.341	(1.031)	351392	5.00000	4.9575
101 Diphenylamine	169	7.280	7.280	(0.916)	945924	5.00000	5.8122

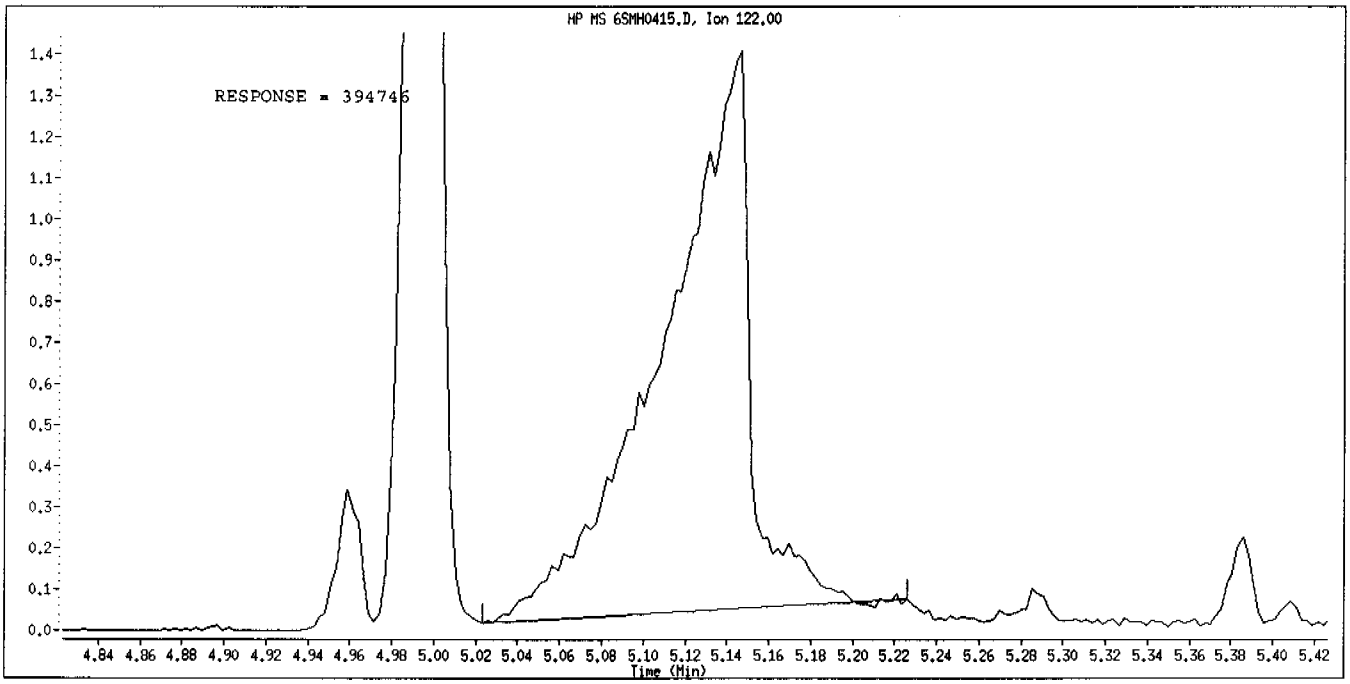
QC Flag Legend

M - Compound response manually integrated.

Data File Name: 6SMH0415.D
Inj. Date and Time: 15-APR-2004 09:03
Instrument ID: a4hp6.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/15/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp6.i Injection Date: 15-APR-2004 09:23
Lab File ID: 6AMH0415.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40415a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 N-Nitrosomorpholine	1.10010	0.99250	0.99250	0.010	9.78051	50.00000	Averaged
8 Ethyl methanesulfonate	2.18846	1.84801	1.84801	0.010	15.55636	50.00000	Averaged
14 2-Picoline	2.52791	2.45029	2.45029	0.010	3.07043	50.00000	Averaged
15 N-Nitrosomethylethylamine	1.15550	1.09769	1.09769	0.010	5.00277	50.00000	Averaged
16 Methyl methanesulfonate	1.62636	1.44730	1.44730	0.010	11.00947	50.00000	Averaged
18 1,3-Dichloro-2-propanol	2.98796	2.61568	2.61568	0.010	12.45961	50.00000	Averaged
19 N-Nitrosodiethylamine	1.08687	0.96517	0.96517	0.010	11.19693	50.00000	Averaged
25 Pentachloroethane	0.54740	0.57088	0.57088	0.010	-4.29008	50.00000	Averaged
36 N-Nitrosopyrrolidine	0.99884	0.95871	0.95871	0.010	4.01717	50.00000	Averaged
39 o-Toluidine	3.21039	3.12846	3.12846	0.010	2.55201	50.00000	Averaged
40 N-Nitrosopiperidine	0.22223	0.20974	0.20974	0.010	5.62269	50.00000	Averaged
45 O,O,O-Triethyl phosphorothi	0.18403	0.18576	0.18576	0.010	-0.94068	50.00000	Averaged
53 a,a-Dimethyl-phenethylamine	5.00000	3.87609	0.89532	0.010	22.47819	0.000e+000	Quadratic
54 2,6-Dichlorophenol	0.26002	0.27209	0.27209	0.010	-4.64076	50.00000	Averaged
55 Hexachloropropene	0.23621	0.25849	0.25849	0.010	-9.43283	50.00000	Averaged
58 N-Nitrosodi-n-butylamine	0.44535	0.39156	0.39156	0.010	12.07793	50.00000	Averaged
60 p-Phenylene diamine	5.00000	4.41914	0.45930	0.010	11.61711	0.000e+000	Quadratic
61 Safrole	0.27561	0.28126	0.28126	0.010	-2.05152	50.00000	Averaged
65 1,2,4,5-Tetrachlorobenzene	0.58400	0.57916	0.57916	0.010	0.82840	50.00000	Averaged
71 Isosafrole 1	0.15221	0.15964	0.15964	0.010	-4.87933	50.00000	Averaged
M 188 Isosafrole, Total	1.10653	1.18677	1.18677	0.010	-7.25116	50.00000	Averaged
72 Isosafrole 2	0.95432	1.02713	1.02713	0.010	-7.62947	50.00000	Averaged
75 1,4-Naphthoquinone	5.00000	5.77822	0.43075	0.010	-15.56449	0.000e+000	Quadratic
84 Pentachlorobenzene	0.48753	0.50431	0.50431	0.010	-3.44208	50.00000	Averaged
89 1-Naphthylamine	1.17542	1.27171	1.27171	0.010	-8.19158	50.00000	Averaged
92 2-Naphthylamine	1.12188	1.21276	1.21276	0.010	-8.10085	50.00000	Averaged
90 Zinophos	0.46785	0.45129	0.45129	0.010	3.53829	50.00000	Averaged
102 Tetraethyl dithiopyrophosph	0.10544	0.10439	0.10439	0.010	0.99708	50.00000	Averaged
103 Diallate 1	0.97682	0.88413	0.88413	0.010	9.48890	50.00000	Averaged
M 189 Diallate, Total	4.76396	4.40821	4.40821	0.010	7.46749	50.00000	Averaged
109 Diallate 2	0.20701	0.18395	0.18395	0.010	11.13799	50.00000	Averaged
104 Phorate	0.17000	0.17822	0.17822	0.010	-4.83335	50.00000	Averaged
105 1,3,5-Trinitrobenzene	5.00000	4.79896	0.09791	0.010	4.02071	0.000e+000	Quadratic
108 Phenacetin	0.54207	0.52957	0.52957	0.010	2.30621	50.00000	Averaged
110 Dimethoate	0.44767	0.43716	0.43716	0.010	2.34667	50.00000	Averaged
112 Pentachloronitrobenzene	0.10269	0.12088	0.12088	0.010	-17.71148	50.00000	Averaged
113 4-Aminobiphenyl	0.76648	0.83589	0.83589	0.010	-9.05519	50.00000	Averaged
114 Pronamide	0.35759	0.37334	0.37334	0.010	-4.40496	50.00000	Averaged
117 Dinoseb	5.00000	4.60726	0.18576	0.010	7.85477	0.000e+000	Quadratic
118 Disulfoton	0.72775	0.62742	0.62742	0.010	13.78652	50.00000	Averaged
121 4-Nitroquinoline 1-oxide	5.00000	3.24326	0.06753	0.010	35.13478	0.000e+000	Quadratic
122 Methapyrilene	5.00000	4.45277	0.48426	0.010	10.94460	0.000e+000	Quadratic

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

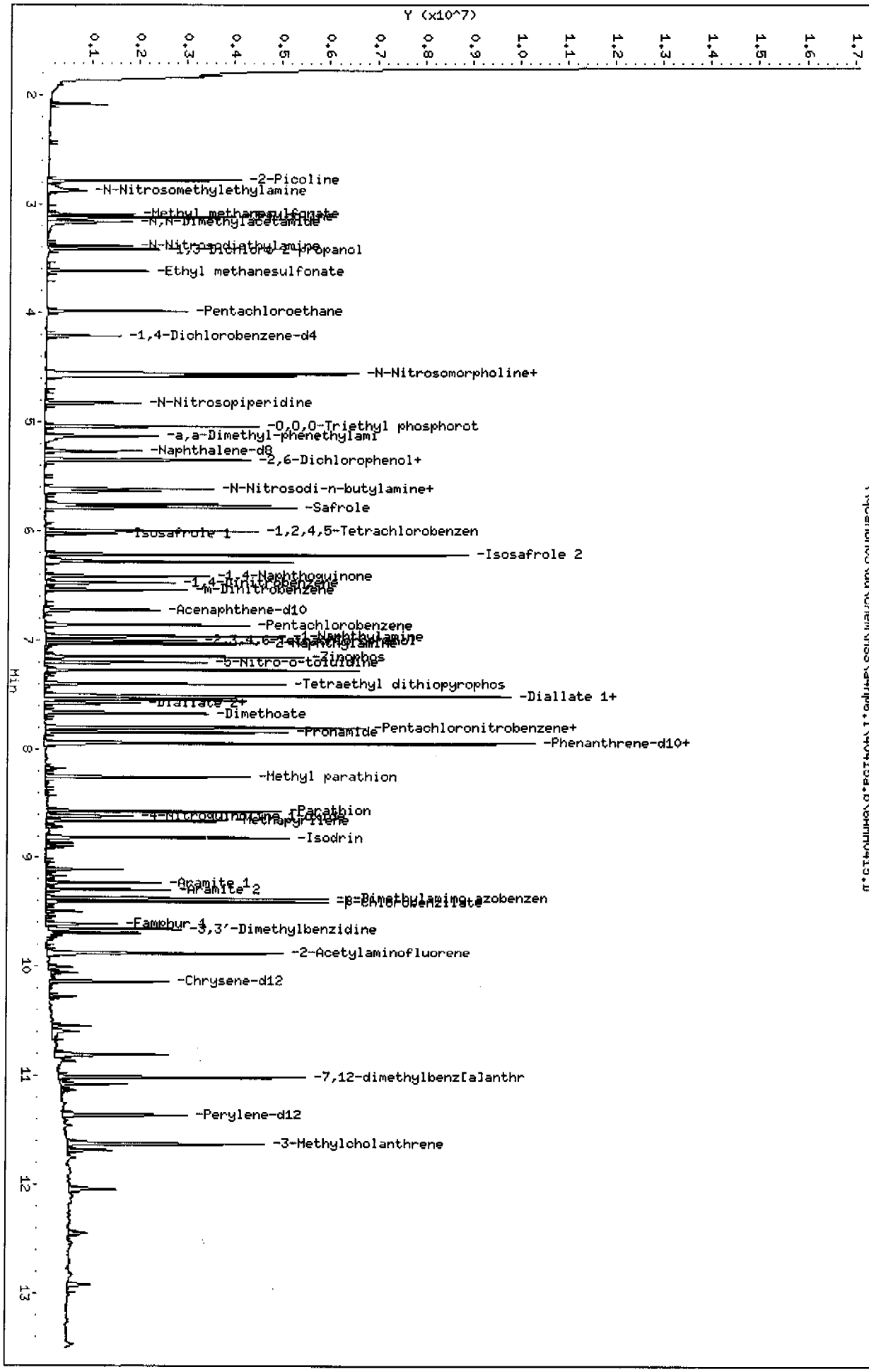
Instrument ID: a4hp6.i Injection Date: 15-APR-2004 09:23
Lab File ID: 6AMH0415.D Init. Cal. Date(s): 12-APR-2004 12-APR-2004
Analysis Type: Init. Cal. Times: 09:04 14:51
Lab Sample ID: 16 Quant Type: ISTD
Method: \\QCANOH05\dd\chem\MSS\a4hp6.i\40415a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
126 Aramite 1	0.06727	0.07058	0.07058	0.010	-4.91501	50.00000	Averaged	
M 191 Aramite, Total	0.60713	0.62096	0.62096	0.010	-2.27882	50.00000	Averaged	
127 Aramite 2	0.08405	0.08949	0.08949	0.010	-6.46429	50.00000	Averaged	
128 p-Dimethylamino azobenzene	0.27435	0.27951	0.27951	0.010	-1.88097	50.00000	Averaged	
129 p-Chlorobenzilate	0.42506	0.50247	0.50247	0.010	-18.21167	50.00000	Averaged	
130 Famphur 1	0.20104	0.18858	0.18858	0.010	6.20093	50.00000	Averaged	
132 3,3'-Dimethylbenzidine	0.54450	0.45477	0.45477	0.010	16.48066	50.00000	Averaged	
134 2-Acetylaminofluorene	5.00000	5.46412	0.60953	0.010	-9.28240	0.000e+000	Quadratic	
143 7,12-dimethylbenz[a]anthrac	0.74445	0.77984	0.77984	0.010	-4.75323	50.00000	Averaged	
144 Hexachlorophene	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
145 Hexachlorophene product	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
148 3-Methylcholanthrene	0.85498	0.93734	0.93734	0.010	-9.63300	50.00000	Averaged	
193 3-Methylphenol	1.73254	1.77609	1.77609	0.010	-2.51361	50.00000	Averaged	
69 1,4-Dinitrobenzene	0.22516	0.23643	0.23643	0.010	-5.00512	50.00000	Averaged	
77 m-Dinitrobenzene	0.25090	0.25553	0.25553	0.010	-1.84330	50.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.31140	0.31492	0.31492	0.010	-1.13024	50.00000	Averaged	
97 5-Nitro-o-toluidine	0.38814	0.41182	0.41182	0.010	-6.09877	50.00000	Averaged	
199 3-Picoline	2.35147	2.18615	2.18615	0.010	7.03076	50.00000	Averaged	
200 N,N-Dimethylacetamide	1.42379	1.17575	1.17575	0.010	17.42110	50.00000	Averaged	
225 Methyl parathion	0.33055	0.33490	0.33490	0.010	-1.31659	50.00000	Averaged	
226 Parathion	0.24445	0.24027	0.24027	0.010	1.70849	50.00000	Averaged	
227 Isodrin	0.23421	0.18767	0.18767	0.010	19.86763	50.00000	Averaged	
228 Kepone	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40415a.b\6AHH0415.D
Date : 15-APR-2004 09:23
Client ID:
Sample Info: 16,40415a,b,8270p,2-ap9,sub,2

Column phase: db5,625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



Page 1

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40415a.b\6AMH0415.D
Lab Smp Id: 16
Inj Date : 15-APR-2004 09:23
Operator : 001710 Inst ID: a4hp6.i
Smp Info : 16,40415a.b,8270p,2-ap9.sub,2
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp6.i\40415a.b\8270p.m
Meth Date : 15-Apr-2004 09:57 a4hp6.i Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.212	4.212	(1.000)	156557	2.00000	
* 2 Naphthalene-d8	136	5.266	5.266	(1.000)	648186	2.00000	
* 3 Acenaphthene-d10	164	6.724	6.724	(1.000)	354953	2.00000	
* 4 Phenanthrene-d10	188	7.951	7.951	(1.000)	646143	2.00000	
* 5 Chrysene-d12	240	10.136	10.136	(1.000)	607350	2.00000	
* 6 Perylene-d12	264	11.355	11.355	(1.000)	444627	2.00000	
7 N-Nitrosomorpholine	56	4.574	4.574	(1.086)	388458	5.00000	4.5110
8 Ethyl methanesulfonate	79	3.618	3.618	(0.859)	723299	5.00000	4.2222
14 2-Picoline	93	2.774	2.774	(0.659)	959025	5.00000	4.8465
15 N-Nitrosomethylethylamine	88	2.872	2.872	(0.682)	429627	5.00000	4.7499
16 Methyl methanesulfonate	80	3.091	3.091	(0.734)	566464	5.00000	4.4495
18 1,3-Dichloro-2-propanol	79	3.417	3.417	(0.811)	1023756	5.00000	4.3770
19 N-Nitrosodiethylamine	102	3.384	3.384	(0.803)	377762	5.00000	4.4402
25 Pentachloroethane	167	3.983	3.983	(0.946)	223440	5.00000	5.2145
36 N-Nitrosopyrrolidine	100	4.551	4.551	(1.081)	375232	5.00000	4.7991
39 o-Toluidine	106	4.582	4.582	(1.088)	1224456	5.00000	4.8724(H)
40 N-Nitrosopiperidine	114	4.826	4.826	(0.917)	339874	5.00000	4.7189
45 O,O,O-Triethyl phosphorothioa	198	5.040	5.040	(0.957)	301025	5.00000	5.0470
53 a,a-Dimethyl-phenethylamine	58	5.127	5.127	(0.974)	1450831	5.00000	3.8761
54 2,6-Dichlorophenol	162	5.346	5.346	(1.015)	440906	5.00000	5.2320
55 Hexachloropropene	213	5.353	5.353	(1.017)	418876	5.00000	5.4716
58 N-Nitrosodi-n-butylamine	84	5.616	5.616	(1.066)	634507	5.00000	4.3961
60 p-Phenylene diamine	108	5.639	5.639	(1.071)	744273	5.00000	4.4191
61 Safrole	162	5.788	5.788	(1.099)	455777	5.00000	5.1026
65 1,2,4,5-Tetrachlorobenzene	216	6.001	6.001	(0.893)	513938	5.00000	4.9586
71 Isosafrole 1	162	6.030	6.030	(0.897)	141659	5.00000	5.2440
72 Isosafrole 2	162	6.220	6.220	(0.925)	911459	5.00000	5.3815
75 1,4-Naphthoquinone	158	6.418	6.418	(0.954)	382241	5.00000	5.7782
84 Pentachlorobenzene	250	6.863	6.863	(1.021)	447516	5.00000	5.1721
89 1-Naphthylamine	143	6.966	6.966	(1.036)	1128490	5.00000	5.4096
92 2-Naphthylamine	143	7.033	7.033	(1.046)	1076181	5.00000	5.4050
90 Zinophos	97	7.151	7.151	(1.063)	400469	5.00000	4.8231
102 Tetraethyl dithiopyrophosphat	202	7.400	7.400	(0.931)	168629	5.00000	4.9501

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
103 Diallate 1	86	7.508	7.508	(0.944)	1428189	5.00000	4.5256
109 Diallate 2	86	7.580	7.580	(0.953)	297152	5.00000	4.4431
104 Phorate	121	7.519	7.519	(0.946)	287885	5.00000	5.2417
105 1,3,5-Trinitrobenzene	213	7.529	7.529	(0.947)	158153	5.00000	4.7990
108 Phenacetin	108	7.552	7.552	(0.950)	855446	5.00000	4.8847
110 Dimethoate	87	7.673	7.673	(0.965)	706170	5.00000	4.8827
112 Pentachloronitrobenzene	237	7.809	7.809	(0.982)	195259	5.00000	5.8856
113 4-Aminobiphenyl	169	7.801	7.801	(0.981)	1350263	5.00000	5.4528
114 Pronamide	173	7.848	7.848	(0.987)	603073	5.00000	5.2202
117 Dinoseb	211	7.951	7.951	(1.000)	300062	5.00000	4.6073
118 Disulfoton	88	7.945	7.945	(0.999)	1013505	5.00000	4.3107
121 4-Nitroquinoline 1-oxide	190	8.619	8.619	(1.084)	109085	5.00000	3.2433(QH)
122 Methapyrilene	58	8.660	8.660	(1.089)	782261	5.00000	4.4528
126 Aramite 1	185	9.229	9.229	(0.910)	107165	5.00000	5.2458(H)
127 Aramite 2	185	9.290	9.290	(0.917)	135875	5.00000	5.3232
128 p-Dimethylamino azobenzene	225	9.370	9.370	(0.924)	424396	5.00000	5.0940
129 p-Chlorobenzilate	139	9.401	9.401	(0.927)	762933	5.00000	5.9106(H)
130 Famphur 1	218	9.607	9.607	(0.948)	286329	5.00000	4.6900
132 3,3'-Dimethylbenzidine	212	9.653	9.653	(0.952)	690505	5.00000	4.1760
134 2-Acetylaminofluorene	181	9.874	9.874	(0.974)	925500	5.00000	5.4641
143 7,12-dimethylbenz[a]anthracen	256	11.013	11.013	(0.970)	866844	5.00000	5.2377
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.625	11.625	(1.024)	1041915	5.00000	5.4816(H)
193 3-Methylphenol	108	4.561	4.561	(1.083)	695150	5.00000	5.1257
69 1,4-Dinitrobenzene	168	6.477	6.477	(0.963)	209804	5.00000	5.2502
77 m-Dinitrobenzene	168	6.541	6.541	(0.973)	226752	5.00000	5.0922(H)
88 2,3,4,6-Tetrachlorophenol	232	7.004	7.004	(1.042)	279454	5.00000	5.0565
97 5-Nitro-o-toluidine	152	7.202	7.202	(1.071)	365438	5.00000	5.3049(H)
199 3-Picoline	93	3.116	3.116	(0.740)	855641	5.00000	4.6485
200 N,N-Dimethylacetamide	44	3.157	3.157	(0.750)	460180	5.00000	4.1289(H)
225 Methyl parathion	109	8.259	8.259	(1.039)	540989	5.00000	5.0658
226 Parathion	97	8.573	8.573	(1.078)	388129	5.00000	4.9146(H)
227 Isodrin	66	8.812	8.812	(1.108)	303161	5.00000	4.0066
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Calibration History

Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Start Cal Date: 07-APR-2004 10:28
End Cal Date : 07-APR-2004 16:38
Last Cal Level: 9
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
07-APR-2004 11:12	pah	1SLL0407.D
Cal Level: 2 , Cal Amount: 0.25000		
07-APR-2004 14:28	2-ap9	1AL0407.D
07-APR-2004 11:34	3-827042	1SL0407.D
Cal Level: 3 , Cal Amount: 0.50000		
07-APR-2004 14:50	2-ap9	1AML0407.D
07-APR-2004 11:55	3-827042	1SML0407.D
Cal Level: 4 , Cal Amount: 1.00000		
07-APR-2004 15:12	2-ap9	1AM0407.D
07-APR-2004 12:17	3-827042	1SM0407.D
Cal Level: 5 , Cal Amount: 2.50000		
07-APR-2004 15:33	2-ap9	1AMM0407.D
07-APR-2004 12:39	3-827042	1SMM0407.D
Cal Level: 6 , Cal Amount: 5.00000		
07-APR-2004 10:28	3-827042	1SMH0407.D
Cal Level: 7 , Cal Amount: 7.50000		
07-APR-2004 15:55	2-ap9	1AH0407.D
07-APR-2004 13:01	3-827042	1SH0407.D
Cal Level: 8 , Cal Amount: 10.00000		
07-APR-2004 16:16	2-ap9	1AHH0407.D

Cal Level: 9 , Cal Amount: 12.50000		
07-APR-2004 16:38	2-ap9	1AHHH0407.D
07-APR-2004 13:45	19	1SHHH0407.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 6

07-APR-2004 16:59	2-ap9	ICVAP9.D
07-APR-2004 10:28	3-827042	1SMH0407.D
07-APR-2004 14:07	3-827042	ICVTCL.D
07-APR-2004 10:50	2-ap9	1AMH0407.D

Report Date : 08-Apr-2004 06:26

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2004 10:28
End Cal Date : 07-APR-2004 16:38
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SLL0407.D
Level 2: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AL0407.D
Level 3: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AML0407.D
Level 4: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AM0407.D
Level 5: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AMM0407.D
Level 6: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AMH0407.D
Level 7: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AH0407.D
Level 8: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AHH0407.D
Level 9: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AHHH0407.D

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
198 1,4-Dioxane	+++++	0.70502	0.68288	0.78032	0.69052	0.72178	0.69346	6.234	<-
	0.66154	0.66164	0.64396						
7 N-Nitrosomorpholine	+++++	1.14890	1.07527	1.07063	1.06479	0.97646	1.02364	7.514	<-
	0.96387	0.96551	0.92373						
8 Ethyl methanesulfonate	+++++	1.74322	1.59778	1.66610	1.68106	1.61960	1.68404	3.409	<-
	1.69294	1.70261	1.76899						
9 Pyridine	+++++	1.91134	1.38965	2.14771	1.91206	1.91159	1.84932	11.465	<-
	1.87892	1.83343	1.80984						
10 N-Nitrosodimethylamine	+++++	1.32648	1.24026	1.43478	1.44948	1.27597	1.36466	7.720	<-
	1.52473	1.30093	+++++						
11 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
12 3-Chloropropionitrile	+++++	0.89183	0.94834	0.98984	1.03433	0.87010	0.91012	9.295	<-
	0.83894	0.79746	+++++						
13 Malononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2004 10:28
End Cal Date : 07-APR-2004 16:38
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
14 2-Picoline	+++++	2.59332	2.46396	2.54704	2.40879	2.35135	2.38323	7.453	<-
	2.43943	2.20602	2.05596						
15 N-Nitrosomethylethylamine	+++++	1.19178	1.19720	1.17869	1.10310	1.09813	1.15087	3.395	<-
	1.12119	1.15416	1.16269						
16 Methyl methanesulfonate	+++++	1.16560	1.03394	1.07294	1.05620	0.99730	1.04239	5.668	<-
	1.03362	1.00401	0.97547						
18 1,3-Dichloro-2-propanol	+++++	2.53919	2.40103	2.66233	2.53279	2.44120	2.51843	3.053	<-
	2.51515	2.53540	2.52037						
19 N-Nitrosodiethylamine	+++++	1.10701	1.00555	1.04497	1.03552	1.01944	1.04033	2.946	<-
	1.02102	1.04828	1.04088						
21 Aniline	+++++	2.97240	2.92599	3.30396	3.15836	3.21260	3.22274	8.518	<-
	3.76181	3.22407	+++++						
22 Phenol	+++++	2.59261	2.44679	2.71996	2.60021	2.60712	2.56747	3.930	<-
	2.57904	2.42654	+++++						
23 bis(2-Chloroethyl)ether	1.98641	1.79916	1.84897	1.89108	1.91503	1.77431	1.84651	4.854	<-
	1.86010	1.69703	+++++						
24 2-Chlorophenol	+++++	1.45559	1.37916	1.50256	1.47493	1.41584	1.43335	3.603	<-
	1.44661	1.35874	+++++						
25 Pentachloroethane	+++++	0.53794	0.47968	0.50369	0.48574	0.47540	0.48366	5.679	<-
	0.47377	0.46820	0.44482						
26 1,3-Dichlorobenzene	+++++	1.42107	1.39360	1.48196	1.39690	1.36723	1.38490	4.592	<-
	1.35986	1.27366	+++++						

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2004 10:28
End Cal Date : 07-APR-2004 16:38
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
27 1,4-Dichlorobenzene	+++++	1.25328	1.23434	1.34564	1.30059	1.24024			
	1.23028	1.17962	+++++				1.25486	4.271	<-
28 1,2-Dichlorobenzene	+++++	1.37180	1.35519	1.42908	1.39725	1.27911			
	1.34414	1.21091	+++++				1.34107	5.516	<-
29 Benzyl Alcohol	+++++	1.30160	1.19204	1.36737	1.37543	1.22070			
	1.49656	1.24765	+++++				1.31448	8.104	<-
30 2-Methylphenol	+++++	1.76002	1.73713	1.86576	1.80784	1.74987			
	1.76104	1.76617	+++++				1.77826	2.494	<-
31 bis(2-Chloroisopropyl)ether	+++++	2.07528	2.13508	2.19802	2.31978	2.03205			
	2.46747	2.08101	+++++				2.18696	7.153	<-
32 N-Nitroso-di-n-propylamine	+++++	1.47619	1.52375	1.56786	1.56973	1.46560			
	1.64167	1.42512	+++++				1.52427	4.890	<-
M 195 Cresols, total	+++++	3.54692	3.63495	3.79652	3.82082	3.05462			
	3.90624	3.54736	+++++				3.61535	7.854	<-
192 4-Methylphenol	+++++	1.78690	1.89783	1.93076	2.01297	1.30476			
	2.14520	1.78118	+++++				1.83709	14.527	<-
193 3-Methylphenol	+++++	1.95675	1.86471	1.88029	2.03784	1.98704			
	1.94307	1.97800	1.99543				1.95539	2.990	<-
34 Hexachloroethane	+++++	0.58080	0.54165	0.58090	0.56076	0.56585			
	0.55871	0.52918	+++++				0.55969	3.415	<-
35 Nitrobenzene	0.49373	0.48163	0.46366	0.49430	0.49410	0.49325			
	0.50239	0.49257	+++++				0.48945	2.419	<-

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2004 10:28
End Cal Date : 07-APR-2004 16:38
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
36 N-Nitrosopyrrolidine	+++++	1.18610	1.08173	1.07213	1.01287	0.93348	1.02936	8.290	<-
	0.92570	0.98926	1.03363						
37 Acetophenone	+++++	3.02225	2.77928	2.83399	2.77627	2.66485	2.79541	4.105	<-
	2.67055	2.75496	2.86112						
39 o-Toluidine	+++++	3.66218	3.39203	3.37578	3.57637	3.41699	3.44632	3.198	<-
	3.36846	3.38036	3.39835						
40 N-Nitrosopiperidine	+++++	0.22204	0.20031	0.21238	0.21695	0.21652	0.21492	3.036	<-
	0.21500	0.21746	0.21874						
41 Isophorone	+++++	0.87020	0.85374	0.90729	0.91481	0.92569	0.90407	3.370	<-
	0.93596	0.92083	+++++						
42 2-Nitrophenol	+++++	0.18970	0.17936	0.20011	0.20202	0.19982	0.19506	4.541	<-
	0.20531	0.19734	0.18686						
43 2,4-Dimethylphenol	+++++	0.42005	0.40631	0.44745	0.44756	0.44451	0.43951	4.292	<-
	0.45550	0.45517	+++++						
44 bis(2-Chloroethoxy)methane	+++++	0.51075	0.49022	0.53256	0.53471	0.53649	0.52486	3.481	<-
	0.54241	0.52685	+++++						
45 O,O,O-Triethyl phosphorothioa	+++++	0.17783	0.16696	0.17281	0.16952	0.16761	0.16624	4.542	<-
	0.16176	0.15860	0.15484						
46 2,4-Toluenediamene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
47 1,3,5-Trichlorobenzene	+++++	0.27896	0.28646	0.28742	0.28677	0.27457	0.28134	2.178	<-
	0.28275	0.27245	+++++						

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2004 10:28
End Cal Date : 07-APR-2004 16:38
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
48 2,4-Dichlorophenol	+++++	0.26527	0.25516	0.28415	0.28428	0.28019	0.27653	4.250	<-
	0.28660	0.28006	+++++						
49 Benzoic Acid	+++++	0.15442	0.14773	0.21760	0.25994	0.22667	0.21626	19.867	<-
	0.24638	0.25400	0.22335						
50 1,2,4-Trichlorobenzene	+++++	0.28088	0.27005	0.28315	0.28396	0.27738	0.27898	1.787	<-
	0.28194	0.27549	+++++						
51 Naphthalene	1.06335	1.01854	0.99802	1.02983	1.02840	1.01558	1.02639	1.858	<-
	1.03790	1.01946	+++++						
52 4-Chloroaniline	+++++	0.41684	0.38124	0.44106	0.43590	0.43986	0.42797	5.271	<-
	0.44586	0.43502	+++++						
53 a,a-Dimethyl-phenethylamine	+++++	0.78941	0.83474	1.01048	1.04077	1.05541	0.99394	11.591	<-
	1.07206	1.08953	1.05909						
54 2,6-Dichlorophenol	+++++	0.27286	0.25458	0.26767	0.27181	0.27449	0.26088	4.964	<-
	0.25698	0.25055	0.23812						
55 Hexachloropropene	+++++	0.17649	0.16468	0.17058	0.17484	0.16968	0.16761	4.228	<-
	0.16763	0.16244	0.15450						
56 Hexachlorobutadiene	+++++	0.14670	0.13996	0.14493	0.14243	0.13841	0.14169	2.365	<-
	0.14188	0.13752	+++++						
57 1,2,3-Trichlorobenzene	+++++	0.25873	0.26352	0.27027	0.26727	0.25531	0.26222	2.068	<-
	0.26305	0.25735	+++++						
58 N-Nitrosodi-n-butylamine	+++++	0.34385	0.32664	0.33964	0.35001	0.33787	0.33819	2.030	<-
	0.33547	0.33770	0.33433						

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2004 10:28
End Cal Date : 07-APR-2004 16:38
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
59 4-Chloro-3-Methylphenol	+++++	0.35517	0.34541	0.39167	0.39961	0.41041			
	0.41087	0.40130	+++++				0.38778	6.856	<-
60 p-Phenylene diamine	+++++	0.27371	0.27738	0.27041	0.51076	0.45832			
	0.46504	0.45219	0.42127				0.39113	25.608	<-
61 Safrole	+++++	0.28277	0.26555	0.27662	0.27681	0.27213			
	0.26258	0.26132	0.25260				0.26880	3.719	<-
62 2-Methylnaphthalene	0.69737	0.64383	0.63649	0.65992	0.67007	0.66037			
	0.66138	0.64942	+++++				0.65986	2.821	<-
63 1-Methylnaphthalene	0.65185	0.63908	0.60250	0.64494	0.63825	0.63053			
	0.63882	0.62593	+++++				0.63399	2.366	<-
64 Hexachlorocyclopentadiene	+++++	0.25482	0.21379	0.26771	0.26580	0.28171			
	0.27825	0.27691	+++++				0.26271	8.919	<-
65 1,2,4,5-Tetrachlorobenzene	+++++	0.57006	0.49813	0.50757	0.49992	0.47745			
	0.48477	0.47513	0.45733				0.49629	6.828	<-
66 2,4,6-Trichlorophenol	+++++	0.37337	0.32349	0.41113	0.37122	0.40824			
	0.36964	0.36613	+++++				0.37475	7.846	<-
67 2,4,5-Trichlorophenol	+++++	0.32120	0.36367	0.36325	0.39217	0.36668			
	0.38308	0.39407	+++++				0.36916	6.741	<-
68 1,2,3,5-Tetrachlorobenzene	+++++	0.45340	0.42875	0.45514	0.43945	0.42424			
	0.43296	0.41900	+++++				0.43613	3.202	<-
69 1,4-Dinitrobenzene	+++++	0.14907	0.16053	0.18384	0.21573	0.22516			
	0.22479	0.23308	0.22142				0.20170	16.161	<-

STL - North Canton

INITIAL CALIBRATION DATA

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Quant Method : ISTD
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Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
70 2-Chloronaphthalene	+++++	1.04371	0.99177	1.06298	1.03786	1.01378	1.02489	2.564	<-
	1.02972	0.99444	+++++						
71 Isosafrole 1	+++++	0.15984	0.14946	0.15531	0.15838	0.15563	0.15619	2.128	<-
	0.15719	0.15920	0.15452						
M 188 Isosafrole, Total	+++++	1.23554	1.10986	1.14486	1.14579	1.11318	1.11503	5.723	<-
	1.08993	1.05435	1.02670						
72 Isosafrole 2	+++++	1.07571	0.96040	0.98955	0.98741	0.95755	0.95884	6.557	<-
	0.93275	0.89515	0.87218						
73 2-Nitroaniline	+++++	0.41290	0.41058	0.44606	0.44817	0.47623	0.45073	5.894	<-
	0.47200	0.46609	0.47376						
74 1,2,3,4-Tetrachlorobenzene	+++++	0.41569	0.40789	0.42673	0.41966	0.41163	0.41561	1.621	<-
	0.41888	0.40882	+++++						
75 1,4-Naphthoquinone	+++++	0.40145	0.41081	0.44822	0.44570	0.38498	0.35642	26.000	<-
	0.30598	0.25809	0.19611						
76 Dimethylphthalate	+++++	1.15525	1.15489	1.22390	1.20480	1.23428	1.20197	2.805	<-
	1.23067	1.21002	+++++						
77 m-Dinitrobenzene	+++++	0.18407	0.19753	0.21896	0.24786	0.25049	0.23002	11.517	<-
	0.24457	0.24959	0.24709						
78 2,6-Dinitrotoluene	+++++	0.23551	0.24200	0.26397	0.27385	0.28845	0.26735	7.986	<-
	0.28809	0.27958	+++++						
79 Acenaphthylene	1.90666	1.80243	1.73934	1.87799	1.81801	1.81701	1.81914	2.945	<-
	1.82065	1.77101	+++++						

STL - North Canton

INITIAL CALIBRATION DATA

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Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
80 1,2-Dinitrobenzene	+++++	0.11679	0.11744	0.14375	0.14239	0.11974			
	0.14721	0.14230	+++++				0.13280	10.528	<-
81 3-Nitroaniline	+++++	0.23405	0.27388	0.29520	0.28979	0.34495			
	0.33299	0.33510	0.33746				0.30543	12.781	<-
82 Acenaphthene	1.22297	1.09916	1.09248	1.14370	1.11725	1.11032			
	1.11187	1.08237	+++++				1.12251	3.968	<-
83 2,4-Dinitrophenol	+++++	0.09423	0.09166	0.16394	0.18444	0.21298			
	0.20704	0.21433	0.23423				0.17536	31.385	<-
84 Pentachlorobenzene	+++++	0.51442	0.45473	0.46096	0.45456	0.44166			
	0.43714	0.43215	0.41860				0.45178	6.387	<-
85 4-Nitrophenol	+++++	0.09229	0.08581	0.16576	0.17838	0.20166			
	0.20012	0.20086	0.20727				0.16652	29.914	<-
86 Dibenzofuran	+++++	1.51563	1.49600	1.55124	1.52533	1.47482			
	1.48009	1.43388	+++++				1.49671	2.567	<-
87 2,4-Dinitrotoluene	+++++	0.33426	0.33828	0.38955	0.39775	0.39258			
	0.39609	0.37792	+++++				0.37520	7.299	<-
88 2,3,4,6-Tetrachlorophenol	+++++	0.24573	0.24104	0.27389	0.30167	0.31113			
	0.31052	0.31443	0.30089				0.28741	10.424	<-
89 1-Naphthylamine	+++++	1.12226	1.08485	1.13215	1.28445	1.26454			
	1.31079	1.30683	1.26555				1.22143	7.549	<-
90 Zinophos	+++++	0.40928	0.37042	0.39302	0.39963	0.38620			
	0.38965	0.39481	0.37903				0.39026	3.084	<-

STL - North Canton

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Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
91 2,3,5,6-Tetrachlorophenol	+++++	0.30989	0.29148	0.32876	0.31779	0.32598			
	0.32272	0.31826	+++++				0.31641	3.983	<-
92 2-Naphthylamine	+++++	1.26410	1.12654	1.16326	1.16416	1.16092			
	1.24752	1.24169	1.20381				1.19650	4.188	<-
93 Diethylphthalate	+++++	1.25155	1.14875	1.29541	1.23585	1.23789			
	1.23818	1.19305	+++++				1.22867	3.768	<-
94 Fluorene	1.26381	1.22744	1.19235	1.27145	1.25165	1.19696			
	1.22531	1.15891	+++++				1.22349	3.178	<-
95 4-Chlorophenyl-phenylether	+++++	0.57601	0.56652	0.58258	0.58173	0.54665			
	0.55847	0.53189	+++++				0.56341	3.376	<-
96 4-Nitroaniline	+++++	0.29982	0.27179	0.32200	0.32765	0.31935			
	0.36314	0.36118	0.34612				0.32638	9.485	
97 5-Nitro-o-toluidine	+++++	0.36555	0.35265	0.38200	0.41980	0.42587			
	0.41925	0.42805	0.40952				0.40034	7.350	<-
98 4,6-Dinitro-2-methylphenol	+++++	0.10467	0.09149	0.14153	0.14306	0.15319			
	0.15892	0.15996	0.15999				0.13910	19.091	<-
99 N-Nitrosodiphenylamine	+++++	0.53991	0.52741	0.56006	0.52694	0.54359			
	0.54828	0.52982	+++++				0.53943	2.288	<-
100 1,2-Diphenylhydrazine	+++++	0.96045	0.93732	1.04470	1.01019	1.13420			
	1.05587	1.03234	+++++				1.02501	6.347	<-
101 Diphenylamine	+++++	0.53991	0.52741	0.56006	0.52694	0.54359			
	0.54828	0.52982	+++++				0.53943	2.288	<-

STL - North Canton

INITIAL CALIBRATION DATA

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Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
102 Tetraethyl dithiopyrophosphat	+++++	0.10482	0.09638	0.09893	0.10031	0.09932	0.09740	4.483 <-
	0.09460	0.09404	0.09079					
103 Diallate 1	+++++	0.97518	0.87864	0.91490	0.88838	0.84183	0.85402	8.819 <-
	0.80725	0.78080	0.74522					
M 189 Diallate, Total	+++++	4.71674	4.47689	4.61980	4.50437	4.33993	4.35754	6.052 <-
	4.05010	4.08437	4.06814					
104 Phorate	+++++	0.18685	0.17966	0.18320	0.18366	0.17644	0.17496	6.209 <-
	0.16634	0.16857	0.15492					
105 1,3,5-Trinitrobenzene	+++++	0.04956	0.05501	0.06712	0.08695	0.08783	0.07393	20.122
	0.08326	0.08250	0.07920					
106 4-Bromophenyl-phenylether	+++++	0.18129	0.17835	0.18714	0.18951	0.18440	0.18439	1.989 <-
	0.18524	0.18481	+++++					
107 Hexachlorobenzene	0.20853	0.19262	0.19054	0.19682	0.19239	0.19022	0.19462	3.123 <-
	0.19510	0.19073	+++++					
108 Phenacetin	+++++	0.46782	0.48550	0.47881	0.51966	0.52186	0.49785	4.455 <-
	0.52745	0.49168	0.49005					
109 Diallate 2	+++++	0.20081	0.18324	0.19742	0.19586	0.19428	0.19283	3.204 <-
	0.19275	0.19425	0.18406					
110 Dimethoate	+++++	0.49181	0.44532	0.48242	0.48714	0.47861	0.44319	12.543 <-
	0.44162	0.37455	0.34408					
111 Pentachlorophenol	+++++	0.13223	0.11574	0.14287	0.14319	0.16021	0.14473	10.326 <-
	0.15915	0.15284	0.15160					

STL - North Canton

INITIAL CALIBRATION DATA

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Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD
	7.500 Level 7	10.000 Level 8	12.500 Level 9					
112 Pentachloronitrobenzene	+++++	0.08505	0.07940	0.08148	0.08191	0.07805	0.07811	6.104 <-
	0.07421	0.07353	0.07123					
113 4-Aminobiphenyl	+++++	0.80929	0.68134	0.64778	0.77578	0.70763	0.71938	7.449 <-
	0.73634	0.72034	0.67655					
114 Pronamide	+++++	0.34030	0.31742	0.33420	0.33544	0.33360	0.32828	2.624 <-
	0.32392	0.32271	0.31868					
115 Phenanthrene	1.17856	1.11989	1.09943	1.12653	1.09669	1.08372	1.10926	3.012 <-
	1.10017	1.06911	+++++					
116 Anthracene	1.07272	1.06293	1.03184	1.10457	1.07871	1.08465	1.07471	2.084 <-
	1.09598	1.06623	+++++					
117 Dinoseb	+++++	0.12293	0.12650	0.15311	0.19561	0.19434	0.17490	20.035 <-
	0.20562	0.19818	0.20290					
118 Disulfoton	+++++	0.63234	0.59202	0.63330	0.65173	0.62459	0.60853	5.760 <-
	0.59754	0.59733	0.53942					
119 Carbazole	+++++	0.95032	0.92689	0.96966	0.94194	0.98395	0.95912	2.264 <-
	0.98519	0.95586	+++++					
120 Di-n-Butylphthalate	+++++	1.18543	1.16135	1.26745	1.23323	1.24918	1.22709	3.522 <-
	1.27999	1.21302	+++++					
121 4-Nitroquinoline 1-oxide	+++++	0.05071	0.05601	0.07856	0.11035	0.10388	0.09152	28.677 <-
	0.11888	0.10695	0.10678					
122 Methapyrilene	+++++	0.61829	0.54801	0.58987	0.52182	0.46299	0.47822	22.800 <-
	0.40587	0.35338	0.32554					

STL - North Canton

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Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
123 Fluoranthene	1.17768	1.09823	1.04167	1.13851	1.11571	1.10352			
	1.12147	1.07577	+++++				1.10907	3.666	<-
124 Benzidine	+++++	0.33033	0.49125	0.33476	0.25212	0.69070			
	0.50414	0.60978	+++++				0.45901	34.936	<-
125 Pyrene	1.27151	1.18557	1.14078	1.23102	1.20637	1.37335			
	1.21411	1.22229	+++++				1.23063	5.586	<-
126 Aramite 1	+++++	0.07695	0.07118	0.07414	0.07461	0.07243			
	0.06752	0.06485	0.06168				0.07042	7.483	<-
M 191 Aramite, Total	+++++	0.67422	0.64408	0.66456	0.70073	0.69608			
	0.64642	0.66104	0.65670				0.66798	3.163	<-
127 Aramite 2	+++++	0.09359	0.08652	0.09210	0.09549	0.08972			
	0.08380	0.08079	0.07696				0.08737	7.463	<-
128 p-Dimethylamino azobenzene	+++++	0.29890	0.27250	0.28763	0.29345	0.28022			
	0.26479	0.25948	0.24860				0.27570	6.345	<-
129 p-Chlorobenzilate	+++++	0.42139	0.39595	0.41459	0.40863	0.39096			
	0.36407	0.34088	0.33289				0.38367	8.811	<-
130 Famphur 1	+++++	0.38944	0.33706	0.30022	0.09227	0.04392			
	0.02308	0.01686	0.01104				0.15174	106.441	<-
131 Butylbenzylphthalate	+++++	0.52866	0.50499	0.55288	0.55548	0.66647			
	0.58287	0.57840	+++++				0.56711	9.084	<-
132 3,3'-Dimethylbenzidine	+++++	0.48941	0.49534	0.46606	0.34007	0.34948			
	0.36970	0.34486	0.33737				0.39904	17.838	<-

STL - North Canton

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Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
133 3,3'-Dimethoxybenzidine	+++++	0.20701	0.22258	0.21078	0.21502	0.26531			
	0.24608	0.24030	+++++				0.22958	9.389	<-
134 2-Acetylaminofluorene	+++++	0.60514	0.54091	0.59163	0.60713	0.57064			
	0.56233	0.53971	0.50888				0.56580	6.158	<-
135 3,3'-Dichlorobenzidine	+++++	0.38530	0.40220	0.40863	0.41542	0.45716			
	0.41852	0.40521	+++++				0.41321	5.366	<-
136 Benzo(a)Anthracene	1.46883	1.19058	1.11519	1.20838	1.15470	1.30974			
	1.09292	1.10206	+++++				1.20530	10.614	<-
137 Chrysene	1.32132	1.07586	1.01318	1.09246	1.06860	1.14378			
	1.11463	+++++	+++++				1.11855	8.780	
138 4,4'-Methylene bis(o-chloroan	+++++	0.25233	0.21603	0.21298	0.20671	0.19149			
	0.20352	0.19405	+++++				0.21102	9.634	<-
139 bis(2-ethylhexyl)Phthalate	+++++	0.80191	0.76832	0.82448	0.82059	0.92800			
	0.82203	0.80117	+++++				0.82379	6.057	<-
140 Di-n-octylphthalate	+++++	1.71467	1.62670	1.80214	1.78137	1.85734			
	1.83724	1.82044	+++++				1.77713	4.542	<-
141 Benzo(b)fluoranthene	1.98668	1.54512	1.52677	1.53240	1.61024	1.77609			
	1.56650	1.68761	+++++				1.65393	9.672	<-
142 Benzo(k)fluoranthene	1.92051	1.52712	1.50618	1.71585	1.57689	1.39142			
	1.69263	1.45540	+++++				1.59825	10.675	<-
143 7,12-dimethylbenz[a]anthracen	+++++	0.58635	0.58516	0.66091	0.71903	0.72701			
	0.73634	0.75609	0.73133				0.68778	9.980	<-

STL - North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2004 10:28
End Cal Date : 07-APR-2004 16:38
Quant Method : ISTD
Origin : Disabled
Target Version : 4.12
Integrator : HP RTE
Method file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
144 Hexachlorophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
145 Hexachlorophene product	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
146 Benzo(a)pyrene	1.63321	1.30495	1.28657	1.39387	1.38836	1.37798	1.39918	7.558	<-
	1.42987	1.37867	+++++						
148 3-Methylcholanthrene	+++++	0.89584	0.85452	0.90015	0.88423	0.87996	0.87710	2.323	<-
	0.87709	0.88519	0.83984						
149 Indeno(1,2,3-cd)pyrene	1.87696	1.61763	1.54991	1.64898	1.61009	1.65872	1.66194	5.743	<-
	1.67430	1.65890	+++++						
150 Dibenz(a,h)anthracene	1.49918	1.36281	1.26835	1.39132	1.38560	1.40696	1.39222	4.636	<-
	1.42727	1.39622	+++++						
151 Benzo(g,h,i)perylene	1.53972	1.34357	1.28460	1.38705	1.37384	1.39544	1.39192	5.202	<-
	1.41697	1.39421	+++++						
199 3-Picoline	+++++	2.40666	2.20722	2.31430	2.32798	2.22635	2.27810	3.702	<-
	2.31055	2.29635	2.13541						
200 N,N-Dimethylacetamide	+++++	1.80824	1.74725	1.77842	1.66959	1.56193	1.70620	4.751	<-
	1.64099	1.69159	1.75158						
201 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						
202 Diphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++	+++++						

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Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
203 Diphenyl ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
204 6-Methylchrysene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
205 Benzenethiol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
207 Indene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
208 Dibenz(a,j)acridine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
209 Benzaldehyde	+++++	1.42895	1.38293	1.49100	1.40421	1.17676			
	1.22899	+++++	+++++				1.35214	9.044	<-
210 Caprolactam	+++++	0.12358	0.11890	0.14340	0.14168	0.14460			
	0.14569	0.14172	+++++				0.13708	8.024	<-
211 1,1'-Biphenyl	+++++	1.41575	1.38558	1.44473	1.40568	1.34179			
	1.38223	1.30375	+++++				1.38279	3.416	<-
212 Atrazine	+++++	0.19951	0.18369	0.20163	0.19945	0.19352			
	0.19779	0.19181	+++++				0.19534	3.179	<-
213 Benzothiazole	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
214 1,3-Dimethyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

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	7.500 Level 7	10.000 Level 8	12.500 Level 9						
215 Phenyl ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
216 1,3-Diethyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
217 1,3-Dibutyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
218 1,1,3,3-Tetramethyl-2-Thioure	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
219 o-Benzyl Phenol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
220 Diphenyl Thiourea	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
221 Hexabromobenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
222 Dibenz(a,h)acridine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
223 1,2-bis(2-chloroethoxy)ethane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
224 Acrylamide	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
225 Methyl parathion	+++++	0.32388	0.31495	0.33723	0.34531	0.33718			
	0.31288	0.29424	0.26284				0.31606	8.566	<-

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	7.500 Level 7	10.000 Level 8	12.500 Level 9						
226 Parathion	+++++	0.27056	0.21494	0.21957	0.22792	0.22209			
	0.21715	0.20810	0.20053				0.22261	9.489	<-
227 Isodrin	+++++	0.15112	0.14048	0.14476	0.13797	0.13197			
	0.12873	0.12270	0.11885				0.13457	8.204	<-
228 Kepone	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
M 229 Famphur,Total	+++++	1.53965	1.37665	1.20017	0.38012	0.18854			
	0.09858	0.07652	0.05227				0.61406	104.599	<-
230 Famphur 2	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 154 Nitrobenzene-d5	0.50267	0.46663	0.46236	0.48078	0.48941	0.48740			
	0.49607	0.48689	+++++				0.48403	2.842	<-
$ 155 2-Fluorobiphenyl	1.25271	1.26284	1.20473	1.26597	1.25069	1.23434			
	1.24697	1.20673	+++++				1.24062	1.903	<-
$ 156 Terphenyl-d14	0.80997	0.77271	0.74348	0.80449	0.79129	0.88917			
	0.79988	0.78795	+++++				0.79987	5.226	<-
$ 157 Phenol-d5	2.36058	2.28466	2.16609	2.40049	2.34636	2.31737			
	2.37944	2.24221	+++++				2.31215	3.384	<-
$ 158 2-Fluorophenol	1.66288	1.61063	1.49566	1.77273	1.82775	1.57847			
	1.49080	1.43812	+++++				1.60963	8.612	<-
$ 159 2,4,6-Tribromophenol	0.16510	0.15268	0.14788	0.16302	0.16375	0.16387			
	0.16280	0.16089	+++++				0.16000	3.906	<-

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Cal Date : 08-Apr-2004 06:24 a4hp10.i
Curve Type : Average

Compound	0.05000 Level 1	0.25000 Level 2	0.50000 Level 3	1.000 Level 4	2.500 Level 5	5.000 Level 6	RRF	% RSD	
	7.500 Level 7	10.000 Level 8	12.500 Level 9						
$ 186 2-Chlorophenol-d4	+++++	1.42149	1.37978	1.51755	1.45267	1.43621			
	1.39780	1.38217	+++++				1.42681	3.393	<-
$ 187 1,2-Dichlorobenzene-d4	+++++	0.83123	0.82142	0.87092	0.84361	0.75931			
	0.76762	0.71782	+++++				0.80170	6.795	<-

port Date : 08-Apr-2004 06:29

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INITIAL CALIBRATION DATA

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thod file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
l Date : 08-Apr-2004 06:24 a4hp10.i

libration File Names:
vel 1: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SLL0407.D
vel 2: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AL0407.D
vel 3: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AML0407.D
vel 4: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AM0407.D
vel 5: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AMM0407.D
vel 6: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AMH0407.D
vel 7: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AH0407.D
vel 8: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AHH0407.D
vel 9: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AHHH0407.D

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
198 1,4-Dioxane	+++++ / 0.66154	0.70502 / 0.66164	0.68288 / 0.64396	0.78032	0.69052	0.72178	AVRG		0.69346		6.23427	<-
7 N-Nitrosomorpholine	+++++ / 0.96387	1.14890 / 0.96551	1.07527 / 0.92373	1.07063	1.06479	0.97646	AVRG		1.02364		7.51413	<-
8 Ethyl methanesulfonate	+++++ / 1.69294	1.74322 / 1.70261	1.59778 / 1.76899	1.66610	1.68106	1.61960	AVRG		1.68404		3.40865	<-

STL - North Canton

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
9 Pyridine	+++++ / 1.87892	1.91134 / 1.83343	1.38965 / 1.80984	2.14771	1.91206	1.91159	AVRG		1.84932		11.46505	<-
10 N-Nitrosodimethylamine	+++++ / 1.52473	1.32648 / 1.30093	1.24026 / +++++	1.43478	1.44948	1.27597	AVRG		1.36466		7.71993	<-
11 Ethyl methacrylate	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
12 3-Chloropropionitrile	+++++ / 0.83894	0.89183 / 0.79746	0.94834 / +++++	0.98984	1.03433	0.87010	AVRG		0.91012		9.29512	<-
13 Malononitrile	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
14 2-Picoline	+++++ / 2.43943	2.59332 / 2.20602	2.46396 / 2.05596	2.54704	2.40879	2.35135	AVRG		2.38323		7.45268	<-
15 N-Nitrosomethylethylamine	+++++ / 1.12119	1.19178 / 1.15416	1.19720 / 1.16269	1.17869	1.10310	1.09813	AVRG		1.15087		3.39534	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
16 Methyl methanesulfonate	+++++	1.16560	1.03394	1.07294	1.05620	0.99730						
	1.03362	1.00401	0.97547				AVRG		1.04239		5.66834	<-
18 1,3-Dichloro-2-propanol	+++++	2.53919	2.40103	2.66233	2.53279	2.44120						
	2.51515	2.53540	2.52037				AVRG		2.51843		3.05344	<-
19 N-Nitrosodiethylamine	+++++	1.10701	1.00555	1.04497	1.03552	1.01944						
	1.02102	1.04828	1.04088				AVRG		1.04033		2.94550	<-
21 Aniline	+++++	2.97240	2.92599	3.30396	3.15836	3.21260						
	3.76181	3.22407	+++++				AVRG		3.22274		8.51823	<-
22 Phenol	+++++	2.59261	2.44679	2.71996	2.60021	2.60712						
	2.57904	2.42654	+++++				AVRG		2.56747		3.93001	<-
23 bis(2-Chloroethyl)ether	1.98641	1.79916	1.84897	1.89108	1.91503	1.77431						
	1.86010	1.69703	+++++				AVRG		1.84651		4.85445	<-
24 2-Chlorophenol	+++++	1.45559	1.37916	1.50256	1.47493	1.41584						
	1.44661	1.35874	+++++				AVRG		1.43335		3.60274	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
25 Pentachloroethane	+++++ / 0.47377	0.53794 / 0.46820	0.47968 / 0.44482	0.50369	0.48574	0.47540	AVRG		0.48366		5.67879	<-
26 1,3-Dichlorobenzene	+++++ / 1.35986	1.42107 / 1.27366	1.39360 / +++++	1.48196	1.39690	1.36723	AVRG		1.38490		4.59163	<-
27 1,4-Dichlorobenzene	+++++ / 1.23028	1.25328 / 1.17962	1.23434 / +++++	1.34564	1.30059	1.24024	AVRG		1.25486		4.27120	<-
28 1,2-Dichlorobenzene	+++++ / 1.34414	1.37180 / 1.21091	1.35519 / +++++	1.42908	1.39725	1.27911	AVRG		1.34107		5.51636	<-
29 Benzyl Alcohol	+++++ / 1.49656	1.30160 / 1.24765	1.19204 / +++++	1.36737	1.37543	1.22070	AVRG		1.31448		8.10385	<-
30 2-Methylphenol	+++++ / 1.76104	1.76002 / 1.76617	1.73713 / +++++	1.86576	1.80784	1.74987	AVRG		1.77826		2.49440	<-
31 bis(2-Chloroisopropyl)ether	+++++ / 2.46747	2.07528 / 2.08101	2.13508 / +++++	2.19802	2.31978	2.03205	AVRG		2.18696		7.15315	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
32 N-Nitroso-di-n-propylamine	+++++	1.47619	1.52375	1.56786	1.56973	1.46560						
	1.64167	1.42512	+++++				AVRG		1.52427		4.88994	<-
4 195 Cresols, total	+++++	3.54692	3.63495	3.79652	3.82082	3.05462						
	3.90624	3.54736	+++++				AVRG		3.61535		7.85399	<-
192 4-Methylphenol	+++++	1.78690	1.89783	1.93076	2.01297	1.30476						
	2.14520	1.78118	+++++				AVRG		1.83709		14.52747	<-
193 3-Methylphenol	+++++	1.95675	1.86471	1.88029	2.03784	1.98704						
	1.94307	1.97800	1.99543				AVRG		1.95539		2.99019	<-
34 Hexachloroethane	+++++	0.58080	0.54165	0.58090	0.56076	0.56585						
	0.55871	0.52918	+++++				AVRG		0.55969		3.41453	<-
35 Nitrobenzene	0.49373	0.48163	0.46366	0.49430	0.49410	0.49325						
	0.50239	0.49257	+++++				AVRG		0.48945		2.41925	<-
36 N-Nitrosopyrrolidine	+++++	1.18610	1.08173	1.07213	1.01287	0.93348						
	0.92570	0.98926	1.03363				AVRG		1.02936		8.28992	<-

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37 Acetophenone	+++++	3.02225	2.77928	2.83399	2.77627	2.66485						
	2.67055	2.75496	2.86112				AVRG		2.79541		4.10467	<-
39 o-Toluidine	+++++	3.66218	3.39203	3.37578	3.57637	3.41699						
	3.36846	3.38036	3.39835				AVRG		3.44632		3.19756	<-
40 N-Nitrosopiperidine	+++++	0.22204	0.20031	0.21238	0.21695	0.21652						
	0.21500	0.21746	0.21874				AVRG		0.21492		3.03650	<-
41 Isophorone	+++++	0.87020	0.85374	0.90729	0.91481	0.92569						
	0.93596	0.92083	+++++				AVRG		0.90407		3.37044	<-
42 2-Nitrophenol	+++++	0.18970	0.17936	0.20011	0.20202	0.19982						
	0.20531	0.19734	0.18686				AVRG		0.19506		4.54127	<-
43 2,4-Dimethylphenol	+++++	0.42005	0.40631	0.44745	0.44756	0.44451						
	0.45550	0.45517	+++++				AVRG		0.43951		4.29219	<-
44 bis(2-Chloroethoxy)methane	+++++	0.51075	0.49022	0.53256	0.53471	0.53649						
	0.54241	0.52685	+++++				AVRG		0.52486		3.48053	<-

STL - North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 07-APR-2004 10:28
ıd Cal Date : 07-APR-2004 16:38
ıant Method : ISTD
ırget Version : 4.12
ıtegrator : HP RTE
:thod file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
ıl Date : 08-Apr-2004 06:24 a4hp10.i

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
45 O,O,O-Triethyl phosphorothioa	+++++ / 0.16176	0.17783 / 0.15860	0.16696 / 0.15484	0.17281	0.16952	0.16761	AVRG		0.16624		4.54234	<-
46 2,4-Toluenediamene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
47 1,3,5-Trichlorobenzene	+++++ / 0.28275	0.27896 / 0.27245	0.28646 / +++++	0.28742	0.28677	0.27457	AVRG		0.28134		2.17783	<-
48 2,4-Dichlorophenol	+++++ / 0.28660	0.26527 / 0.28006	0.25516 / +++++	0.28415	0.28428	0.28019	AVRG		0.27653		4.25021	<-
49 Benzoic Acid	+++++ / 1376592	58424 / 1956729	57060 / 3597027	313134	577849	1710578	QUAD	0.20122	3.61174	0.20990	0.99283	<-
50 1,2,4-Trichlorobenzene	+++++ / 0.28194	0.28088 / 0.27549	0.27005 / +++++	0.28315	0.28396	0.27738	AVRG		0.27898		1.78700	<-
51 Naphthalene	1.06335 / 1.03790	1.01854 / 1.01946	0.99802 / +++++	1.02983	1.02840	1.01558	AVRG		1.02639		1.85800	<-

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
52 4-Chloroaniline	+++++	0.41684	0.38124	0.44106	0.43590	0.43986						
	0.44586	0.43502	+++++				AVRG		0.42797		5.27087	<-
53 a,a-Dimethyl-phenethylamine	+++++	0.78941	0.83474	1.01048	1.04077	1.05541						
	1.07206	1.08953	1.05909				AVRG		0.99394		11.59088	<-
54 2,6-Dichlorophenol	+++++	0.27286	0.25458	0.26767	0.27181	0.27449						
	0.25698	0.25055	0.23812				AVRG		0.26088		4.96406	<-
55 Hexachloropropene	+++++	0.17649	0.16468	0.17058	0.17484	0.16968						
	0.16763	0.16244	0.15450				AVRG		0.16761		4.22770	<-
56 Hexachlorobutadiene	+++++	0.14670	0.13996	0.14493	0.14243	0.13841						
	0.14188	0.13752	+++++				AVRG		0.14169		2.36510	<-
57 1,2,3-Trichlorobenzene	+++++	0.25873	0.26352	0.27027	0.26727	0.25531						
	0.26305	0.25735	+++++				AVRG		0.26222		2.06790	<-
58 N-Nitrosodi-n-butylamine	+++++	0.34385	0.32664	0.33964	0.35001	0.33787						
	0.33547	0.33770	0.33433				AVRG		0.33819		2.03017	<-

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59 4-Chloro-3-Methylphenol	+++++	0.35517	0.34541	0.39167	0.39961	0.41041						
	0.41087	0.40130	+++++				AVRG		0.38778		6.85629	<-
60 p-Phenylene diamine	+++++	53616	107611	198149	1405637	1765713						
	3029319	3622002	3871423				QUAD	0.15112	1.68142	0.22897	0.99833	<-
61 Safrole	+++++	0.28277	0.26555	0.27662	0.27681	0.27213						
	0.26258	0.26132	0.25260				AVRG		0.26880		3.71862	<-
62 2-Methylnaphthalene	0.69737	0.64383	0.63649	0.65992	0.67007	0.66037						
	0.66138	0.64942	+++++				AVRG		0.65986		2.82150	<-
63 1-Methylnaphthalene	0.65185	0.63908	0.60250	0.64494	0.63825	0.63053						
	0.63882	0.62593	+++++				AVRG		0.63399		2.36558	<-
64 Hexachlorocyclopentadiene	+++++	0.25482	0.21379	0.26771	0.26580	0.28171						
	0.27825	0.27691	+++++				AVRG		0.26271		8.91943	<-
65 1,2,4,5-Tetrachlorobenzene	+++++	0.57006	0.49813	0.50757	0.49992	0.47745						
	0.48477	0.47513	0.45733				AVRG		0.49629		6.82842	<-

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66 2,4,6-Trichlorophenol	+++++	0.37337	0.32349	0.41113	0.37122	0.40824						
	0.36964	0.36613	+++++				AVRG		0.37475		7.84628	<-
67 2,4,5-Trichlorophenol	+++++	0.32120	0.36367	0.36325	0.39217	0.36668						
	0.38308	0.39407	+++++				AVRG		0.36916		6.74104	<-
68 1,2,3,5-Tetrachlorobenzene	+++++	0.45340	0.42875	0.45514	0.43945	0.42424						
	0.43296	0.41900	+++++				AVRG		0.43613		3.20199	<-
69 1,4-Dinitrobenzene	+++++	15575	34242	73843	326115	489663						
	792801	1023045	1127537				QUAD	0.09237	4.13778	0.17823	0.99899	<-
70 2-Chloronaphthalene	+++++	1.04371	0.99177	1.06298	1.03786	1.01378						
	1.02972	0.99444	+++++				AVRG		1.02489		2.56423	<-
71 Isosafrole 1	+++++	0.15984	0.14946	0.15531	0.15838	0.15563						
	0.15719	0.15920	0.15452				AVRG		0.15619		2.12760	<-
M 188 Isosafrole, Total	+++++	1.23554	1.10986	1.14486	1.14579	1.11318						
	1.08993	1.05435	1.02670				AVRG		1.11503		5.72302	<-

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	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
72 Isosafrole 2	+++++	1.07571	0.96040	0.98955	0.98741	0.95755						
	0.93275	0.89515	0.87218				AVRG		0.95884		6.55696	<-
73 2-Nitroaniline	+++++	0.41290	0.41058	0.44606	0.44817	0.47623						
	0.47200	0.46609	0.47376				AVRG		0.45073		5.89433	<-
74 1,2,3,4-Tetrachlorobenzene	+++++	0.41569	0.40789	0.42673	0.41966	0.41163						
	0.41888	0.40882	+++++				AVRG		0.41561		1.62070	<-
75 1,4-Naphthoquinone	+++++	41944	87629	180039	673739	837221						
	1079134	1132815	998686				QUAD	0.33714	-0.99587	3.88390	0.93102	<-
76 Dimethylphthalate	+++++	1.15525	1.15489	1.22390	1.20480	1.23428						
	1.23067	1.21002	+++++				AVRG		1.20197		2.80496	<-
77 m-Dinitrobenzene	+++++	0.18407	0.19753	0.21896	0.24786	0.25049						
	0.24457	0.24959	0.24709				AVRG		0.23002		11.51684	<-
78 2,6-Dinitrotoluene	+++++	0.23551	0.24200	0.26397	0.27385	0.28845						
	0.28809	0.27958	+++++				AVRG		0.26735		7.98614	<-

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79 Acenaphthylene	1.90666	1.80243	1.73934	1.87799	1.81801	1.81701						
	1.82065	1.77101	+++++				AVRG		1.81914		2.94530	<-
80 1,2-Dinitrobenzene	+++++	0.11679	0.11744	0.14375	0.14239	0.11974						
	0.14721	0.14230	+++++				AVRG		0.13280		10.52777	<-
81 3-Nitroaniline	+++++	0.23405	0.27388	0.29520	0.28979	0.34495						
	0.33299	0.33510	0.33746				AVRG		0.30543		12.78128	<-
82 Acenaphthene	1.22297	1.09916	1.09248	1.14370	1.11725	1.11032						
	1.11187	1.08237	+++++				AVRG		1.12251		3.96817	<-
83 2,4-Dinitrophenol	+++++	19875	19688	131725	233077	904141						
	656508	935025	2088984				QUAD	0.16335	5.14691	-0.30702	0.99893	<-
84 Pentachlorobenzene	+++++	0.51442	0.45473	0.46096	0.45456	0.44166						
	0.43714	0.43215	0.41860				AVRG		0.45178		6.38678	<-
85 4-Nitrophenol	+++++	9733	9215	66593	112707	428058						
	317271	438126	924282				QUAD	0.10247	4.98217	-0.16600	0.99961	<-

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	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
86 Dibenzofuran	+++++	1.51563	1.49600	1.55124	1.52533	1.47482						
	1.48009	1.43388	+++++				AVRG		1.49671		2.56658	<-
87 2,4-Dinitrotoluene	+++++	0.33426	0.33828	0.38955	0.39775	0.39258						
	0.39609	0.37792	+++++				AVRG		0.37520		7.29878	<-
88 2,3,4,6-Tetrachlorophenol	+++++	0.24573	0.24104	0.27389	0.30167	0.31113						
	0.31052	0.31443	0.30089				AVRG		0.28741		10.42356	<-
89 1-Naphthylamine	+++++	1.12226	1.08485	1.13215	1.28445	1.26454						
	1.31079	1.30683	1.26555				AVRG		1.22143		7.54908	<-
90 Zinophos	+++++	0.40928	0.37042	0.39302	0.39963	0.38620						
	0.38965	0.39481	0.37903				AVRG		0.39026		3.08427	<-
91 2,3,5,6-Tetrachlorophenol	+++++	0.30989	0.29148	0.32876	0.31779	0.32598						
	0.32272	0.31826	+++++				AVRG		0.31641		3.98301	<-
92 2-Naphthylamine	+++++	1.26410	1.12654	1.16326	1.16416	1.16092						
	1.24752	1.24169	1.20381				AVRG		1.19650		4.18847	<-

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	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
93 Diethylphthalate	+++++	1.25155	1.14875	1.29541	1.23585	1.23789						
	1.23818	1.19305	+++++				AVRG		1.22867		3.76813	<-
94 Fluorene	1.26381	1.22744	1.19235	1.27145	1.25165	1.19696						
	1.22531	1.15891	+++++				AVRG		1.22349		3.17778	<-
95 4-Chlorophenyl-phenylether	+++++	0.57601	0.56652	0.58258	0.58173	0.54665						
	0.55847	0.53189	+++++				AVRG		0.56341		3.37569	<-
96 4-Nitroaniline	+++++	0.29982	0.27179	0.32200	0.32765	0.31935						
	0.36314	0.36118	0.34612				AVRG		0.32638		9.48453	
97 5-Nitro-o-toluidine	+++++	0.36555	0.35265	0.38200	0.41980	0.42587						
	0.41925	0.42805	0.40952				AVRG		0.40034		7.35036	<-
98 4,6-Dinitro-2-methylphenol	+++++	18792	16707	96474	154823	555589						
	426118	590987	1224911				QUAD	0.08060	6.30669	-0.15821	0.99980	<-
99 N-Nitrosodiphenylamine	+++++	0.53991	0.52741	0.56006	0.52694	0.54359						
	0.54828	0.52982	+++++				AVRG		0.53943		2.28840	<-

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100 1,2-Diphenylhydrazine	+++++ / 1.05587	0.96045 / 1.03234	0.93732 / +++++	1.04470	1.01019	1.13420	AVRG		1.02501		6.34691	<-
101 Diphenylamine	+++++ / 0.54828	0.53991 / 0.52982	0.52741 / +++++	0.56006	0.52694	0.54359	AVRG		0.53943		2.28840	<-
102 Tetraethyl dithiopyrophosphat	+++++ / 0.09460	0.10482 / 0.09404	0.09638 / 0.09079	0.09893	0.10031	0.09932	AVRG		0.09740		4.48296	<-
103 Diallate 1	+++++ / 0.80725	0.97518 / 0.78080	0.87864 / 0.74522	0.91490	0.88838	0.84183	AVRG		0.85402		8.81894	<-
1 189 Diallate, Total	+++++ / 4.05010	4.71674 / 4.08437	4.47689 / 4.06814	4.61980	4.50437	4.33993	AVRG		4.35754		6.05189	<-
104 Phorate	+++++ / 0.16634	0.18685 / 0.16857	0.17966 / 0.15492	0.18320	0.18366	0.17644	AVRG		0.17496		6.20876	<-
105 1,3,5-Trinitrobenzene	+++++ / 493687	8817 / 610996	19856 / 667865	45666	221786	322031	QUAD	0.10742	10.00090	4.78940	0.99970	

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	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
106 4-Bromophenyl-phenylether	+++++	0.18129	0.17835	0.18714	0.18951	0.18440						
	0.18524	0.18481	+++++				AVRG		0.18439		1.98902	<-
107 Hexachlorobenzene	0.20853	0.19262	0.19054	0.19682	0.19239	0.19022						
	0.19510	0.19073	+++++				AVRG		0.19462		3.12297	<-
108 Phenacetin	+++++	0.46782	0.48550	0.47881	0.51966	0.52186						
	0.52745	0.49168	0.49005				AVRG		0.49785		4.45541	<-
109 Diallate 2	+++++	0.20081	0.18324	0.19742	0.19586	0.19428						
	0.19275	0.19425	0.18406				AVRG		0.19283		3.20364	<-
110 Dimethoate	+++++	0.49181	0.44532	0.48242	0.48714	0.47861						
	0.44162	0.37455	0.34408				AVRG		0.44319		12.54304	<-
111 Pentachlorophenol	+++++	0.13223	0.11574	0.14287	0.14319	0.16021						
	0.15915	0.15284	0.15160				AVRG		0.14473		10.32560	<-
112 Pentachloronitrobenzene	+++++	0.08505	0.07940	0.08148	0.08191	0.07805						
	0.07421	0.07353	0.07123				AVRG		0.07811		6.10425	<-

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	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
113 4-Aminobiphenyl	+++++	0.80929	0.68134	0.64778	0.77578	0.70763						
	0.73634	0.72034	0.67655				AVRG		0.71938		7.44871	<-
114 Pronamide	+++++	0.34030	0.31742	0.33420	0.33544	0.33360						
	0.32392	0.32271	0.31868				AVRG		0.32828		2.62403	<-
115 Phenanthrene	1.17856	1.11989	1.09943	1.12653	1.09669	1.08372						
	1.10017	1.06911	+++++				AVRG		1.10926		3.01223	<-
116 Anthracene	1.07272	1.06293	1.03184	1.10457	1.07871	1.08465						
	1.09598	1.06623	+++++				AVRG		1.07471		2.08392	<-
117 Dinoseb	+++++	21869	45661	104161	498934	712581						
	1219250	1467762	1710971				QUAD	0.08572	4.87363	0.00284	0.99942	<-
118 Disulfoton	+++++	0.63234	0.59202	0.63330	0.65173	0.62459						
	0.59754	0.59733	0.53942				AVRG		0.60853		5.75982	<-
119 Carbazole	+++++	0.95032	0.92689	0.96966	0.94194	0.98395						
	0.98519	0.95586	+++++				AVRG		0.95912		2.26404	<-

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Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
120 Di-n-Butylphthalate	+++++	1.18543	1.16135	1.26745	1.23323	1.24918						
	1.27999	1.21302	+++++				AVRG		1.22709		3.52231	<-
121 4-Nitroquinoline 1-oxide	+++++	9022	20217	53446	281468	380903						
	704936	792083	900423				QUAD	0.14377	7.88088	1.84994	0.99659	<-
122 Methapyrilene	+++++	109994	197807	401303	1331011	1697610						
	2406620	2617197	2745048				QUAD	0.11232	0.89559	1.03727	0.99894	<-
123 Fluoranthene	1.17768	1.09823	1.04167	1.13851	1.11571	1.10352						
	1.12147	1.07577	+++++				AVRG		1.10907		3.66591	<-
124 Benzidine	+++++	57503	85867	220487	258673	2085519						
	1296642	2069635	+++++				QUAD	0.22160	1.74857	-0.06021	0.96288	<-
125 Pyrene	1.27151	1.18557	1.14078	1.23102	1.20637	1.37335						
	1.21411	1.22229	+++++				AVRG		1.23063		5.58572	<-
126 Aramite 1	+++++	0.07695	0.07118	0.07414	0.07461	0.07243						
	0.06752	0.06485	0.06168				AVRG		0.07042		7.48266	<-

STL - North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 07-APR-2004 10:28
nd Cal Date : 07-APR-2004 16:38
uant Method : ISTD
arget Version : 4.12
ntegrator : HP RTE
ethod file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
al Date : 08-Apr-2004 06:24 a4hp10.i

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
4 191 Aramite, Total	+++++	0.67422	0.64408	0.66456	0.70073	0.69608						
	0.64642	0.66104	0.65670				AVRG		0.66798		3.16254	<-
127 Aramite 2	+++++	0.09359	0.08652	0.09210	0.09549	0.08972						
	0.08380	0.08079	0.07696				AVRG		0.08737		7.46273	<-
128 p-Dimethylamino azobenzene	+++++	0.29890	0.27250	0.28763	0.29345	0.28022						
	0.26479	0.25948	0.24860				AVRG		0.27570		6.34534	<-
129 p-Chlorobenzilate	+++++	0.42139	0.39595	0.41459	0.40863	0.39096						
	0.36407	0.34088	0.33289				AVRG		0.38367		8.81139	<-
130 Famphur 1	+++++	68291	117862	196590	233386	165041						
	144321	135288	100689				QUAD	-3.94080	161	-907	0.24673	<-
131 Butylbenzylphthalate	+++++	0.52866	0.50499	0.55288	0.55548	0.66647						
	0.58287	0.57840	+++++				AVRG		0.56711		9.08434	<-
132 3,3'-Dimethylbenzidine	+++++	85823	173208	305181	860150	1313228						
	2312224	2767515	3077991				QUAD	-0.04184	2.66418	0.14294	0.99813	<-

STL - North Canton

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ıant Method : ISTD
ırget Version : 4.12
ıtegrator : HP RTE
ethod file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
ıl Date : 08-Apr-2004 06:24 a4hp10.i

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
133 3,3'-Dimethoxybenzidine	+++++ / 0.24608	0.20701 / 0.24030	0.22258 / +++++	0.21078	0.21502	0.26531	AVRG		0.22958		9.38910	<-
134 2-Acetylaminofluorene	+++++ / 0.56233	0.60514 / 0.53971	0.54091 / 0.50888	0.59163	0.60713	0.57064	AVRG		0.56580		6.15849	<-
135 3,3'-Dichlorobenzidine	+++++ / 0.41852	0.38530 / 0.40521	0.40220 / +++++	0.40863	0.41542	0.45716	AVRG		0.41321		5.36634	<-
136 Benzo(a)Anthracene	1.46883 / 1.09292	1.19058 / 1.10206	1.11519 / +++++	1.20838	1.15470	1.30974	AVRG		1.20530		10.61351	<-
137 Chrysene	1.32132 / 1.11463	1.07586 / +++++	1.01318 / +++++	1.09246	1.06860	1.14378	AVRG		1.11855		8.77995	
138 4,4'-Methylene bis(o-chloroan	+++++ / 0.20352	0.25233 / 0.19405	0.21603 / +++++	0.21298	0.20671	0.19149	AVRG		0.21102		9.63409	<-
139 bis(2-ethylhexyl)Phthalate	+++++ / 0.82203	0.80191 / 0.80117	0.76832 / +++++	0.82448	0.82059	0.92800	AVRG		0.82379		6.05744	<-

STL - North Canton

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ethod file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
al Date : 08-Apr-2004 06:24 a4hp10.i

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
140 Di-n-octylphthalate	+++++	1.71467	1.62670	1.80214	1.78137	1.85734						
	1.83724	1.82044	+++++				AVRG		1.77713		4.54225	<-
141 Benzo(b)fluoranthene	1.98668	1.54512	1.52677	1.53240	1.61024	1.77609						
	1.56650	1.68761	+++++				AVRG		1.65393		9.67156	<-
142 Benzo(k)fluoranthene	1.92051	1.52712	1.50618	1.71585	1.57689	1.39142						
	1.69263	1.45540	+++++				AVRG		1.59825		10.67522	<-
143 7,12-dimethylbenz[a]anthracen	+++++	0.58635	0.58516	0.66091	0.71903	0.72701						
	0.73634	0.75609	0.73133				AVRG		0.68778		9.97959	<-
144 Hexachlorophene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
145 Hexachlorophene product	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
146 Benzo(a)pyrene	1.63321	1.30495	1.28657	1.39387	1.38836	1.37798						
	1.42987	1.37867	+++++				AVRG		1.39918		7.55829	<-

STL - North Canton

INITIAL CALIBRATION DATA

art Cal Date : 07-APR-2004 10:28
d Cal Date : 07-APR-2004 16:38
ant Method : ISTD
rget Version : 4.12
tegrator : HP RTE
thod file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
l Date : 08-Apr-2004 06:24 a4hp10.i

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
148 3-Methylcholanthrene	+++++ / 0.87709	0.89584 / 0.88519	0.85452 / 0.83984	0.90015	0.88423	0.87996	AVRG		0.87710		2.32251	<-
149 Indeno(1,2,3-cd)pyrene	1.87696 / 1.67430	1.61763 / 1.65890	1.54991 / +++++	1.64898	1.61009	1.65872	AVRG		1.66194		5.74343	<-
150 Dibenz(a,h)anthracene	1.49918 / 1.42727	1.36281 / 1.39622	1.26835 / +++++	1.39132	1.38560	1.40696	AVRG		1.39222		4.63555	<-
151 Benzo(g,h,i)perylene	1.53972 / 1.41697	1.34357 / 1.39421	1.28460 / +++++	1.38705	1.37384	1.39544	AVRG		1.39192		5.20171	<-
199 3-Picoline	+++++ / 2.31055	2.40666 / 2.29635	2.20722 / 2.13541	2.31430	2.32798	2.22635	AVRG		2.27810		3.70163	<-
200 N,N-Dimethylacetamide	+++++ / 1.64099	1.80824 / 1.69159	1.74725 / 1.75158	1.77842	1.66959	1.56193	AVRG		1.70620		4.75066	<-
201 Quinoline	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

STL - North Canton

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al Date : 08-Apr-2004 06:24 a4hp10.i

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
202 Diphenyl	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
203 Diphenyl ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
204 6-Methylchrysene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
205 Benzenethiol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
207 Indene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
208 Dibenz(a,j)acridine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
209 Benzaldehyde	+++++	1.42895	1.38293	1.49100	1.40421	1.17676						
	1.22899	+++++	+++++				AVRG		1.35214		9.04381	<-

STL - North Canton

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Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
210 Caprolactam	+++++	0.12358	0.11890	0.14340	0.14168	0.14460						
	0.14569	0.14172	+++++				AVRG		0.13708		8.02424	<-
211 1,1'-Biphenyl	+++++	1.41575	1.38558	1.44473	1.40568	1.34179						
	1.38223	1.30375	+++++				AVRG		1.38279		3.41561	<-
212 Atrazine	+++++	0.19951	0.18369	0.20163	0.19945	0.19352						
	0.19779	0.19181	+++++				AVRG		0.19534		3.17915	<-
213 Benzothiazole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
214 1,3-Dimethyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
215 Phenyl ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
216 1,3-Diethyl-2-Thiourea	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-

STL - North Canton

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:art Cal Date : 07-APR-2004 10:28
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ıant Method : ISTD
ırget Version : 4.12
ıtegrator : HP RTE
ethod file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
ıl Date : 08-Apr-2004 06:24 a4hp10.i

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
217 1,3-Dibutyl-2-Thiourea	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
218 1,1,3,3-Tetramethyl-2-Thioure	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
219 o-Benzyl Phenol	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
220 Diphenyl Thiourea	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
221 Hexabromobenzene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
222 Dibenz(a,h)acridine	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
223 1,2-bis(2-chloroethoxy)ethane	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

STL - North Canton

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al Date : 08-Apr-2004 06:24 a4hp10.i

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
224 Acrylamide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
225 Methyl parathion	+++++	0.32388	0.31495	0.33723	0.34531	0.33718						
	0.31288	0.29424	0.26284				AVRG		0.31606		8.56639	<-
226 Parathion	+++++	0.27056	0.21494	0.21957	0.22792	0.22209						
	0.21715	0.20810	0.20053				AVRG		0.22261		9.48883	<-
227 Isodrin	+++++	0.15112	0.14048	0.14476	0.13797	0.13197						
	0.12873	0.12270	0.11885				AVRG		0.13457		8.20396	<-
228 Kepone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-
M 229 Famphur,Total	+++++	1.53965	1.37665	1.20017	0.38012	0.18854						
	0.09858	0.07652	0.05227				AVRG		0.61406		105	<-
230 Famphur 2	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000	<-

STL - North Canton

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al Date : 08-Apr-2004 06:24 a4hp10.i

Compound	0.0500000 Level 1 / 7.5000 Level 7	0.2500000 Level 2 / 10.0000 Level 8	0.5000000 Level 3 / 12.5000 Level 9	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
; 154 Nitrobenzene-d5	0.50267	0.46663	0.46236	0.48078	0.48941	0.48740						
	0.49607	0.48689	+++++				AVRG		0.48403		2.84155	<-
; 155 2-Fluorobiphenyl	1.25271	1.26284	1.20473	1.26597	1.25069	1.23434						
	1.24697	1.20673	+++++				AVRG		1.24062		1.90270	<-
; 156 Terphenyl-d14	0.80997	0.77271	0.74348	0.80449	0.79129	0.88917						
	0.79988	0.78795	+++++				AVRG		0.79987		5.22568	<-
$ 157 Phenol-d5	2.36058	2.28466	2.16609	2.40049	2.34636	2.31737						
	2.37944	2.24221	+++++				AVRG		2.31215		3.38403	<-
$ 158 2-Fluorophenol	1.66288	1.61063	1.49566	1.77273	1.82775	1.57847						
	1.49080	1.43812	+++++				AVRG		1.60963		8.61186	<-
$ 159 2,4,6-Tribromophenol	0.16510	0.15268	0.14788	0.16302	0.16375	0.16387						
	0.16280	0.16089	+++++				AVRG		0.16000		3.90572	<-
$ 186 2-Chlorophenol-d4	+++++	1.42149	1.37978	1.51755	1.45267	1.43621						
	1.39780	1.38217	+++++				AVRG		1.42681		3.39345	<-

STL - North Canton

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al Date : 08-Apr-2004 06:24 a4hp10.i

Compound	0.0500000 Level 1	0.2500000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.5000 Level 5	5.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	7.5000 Level 7	10.0000 Level 8	12.5000 Level 9									
187 1,2-Dichlorobenzene-d4	+++++	0.83123	0.82142	0.87092	0.84361	0.75931						
	0.76762	0.71782	+++++				AVRG		0.80170		6.79456	<-

STL - North Canton

INITIAL CALIBRATION DATA

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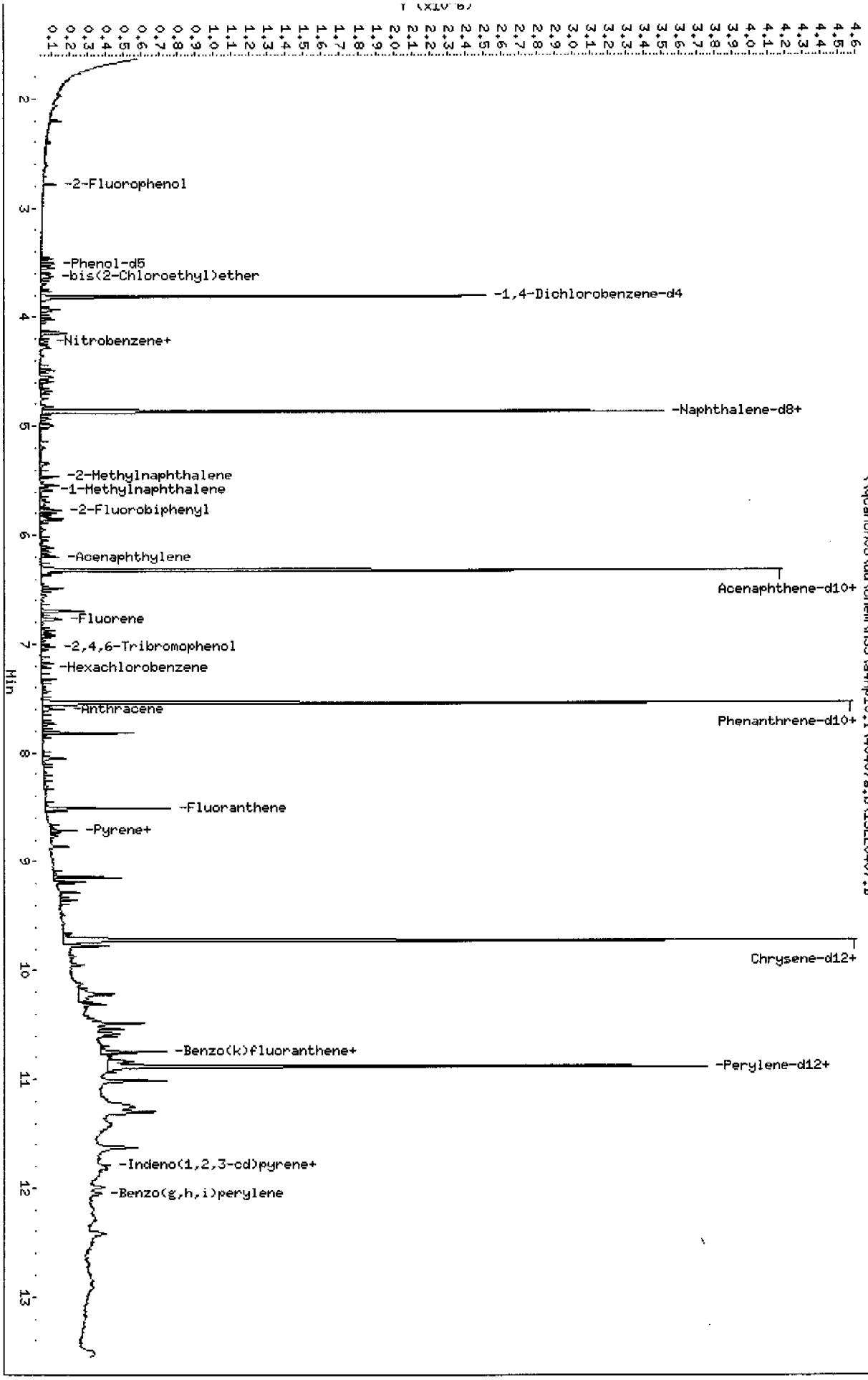
al Date : 08-Apr-2004 06:24 a4hp10.i

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

Data File: \\qcanch05\dd\chem\MSS\a4hp10.i\40407a.b\1SLL0407.D
Date : 07-APR-2004 11:12
Client ID:
Sample Info: 11,40407a,b,8270p,pah,sub,1,,1
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



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Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SLL0...
Report Date: 08-Apr-2004 06:34

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SLL0407.D
Lab Smp Id: 11
Inj Date : 07-APR-2004 11:12 Inst ID: a4hp10.i
Operator : 046900
Smp Info : 11,40407a.b,8270p,pah.sub,1,,1
Misc Info :
Comment : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Method : 08-Apr-2004 06:34 a4hp10.i Quant Type: ISTD
Meth Date : 07-APR-2004 10:50 Cal File: 1AMH0407.D
Cal Date : 4 Calibration Sample, Level: 1
Als bottle: 1.00000
Dil Factor: HP RTE Compound Sublist: pah.sub
Integrator: 4.12
Target Version: CANPMSSV04
Processing Host:

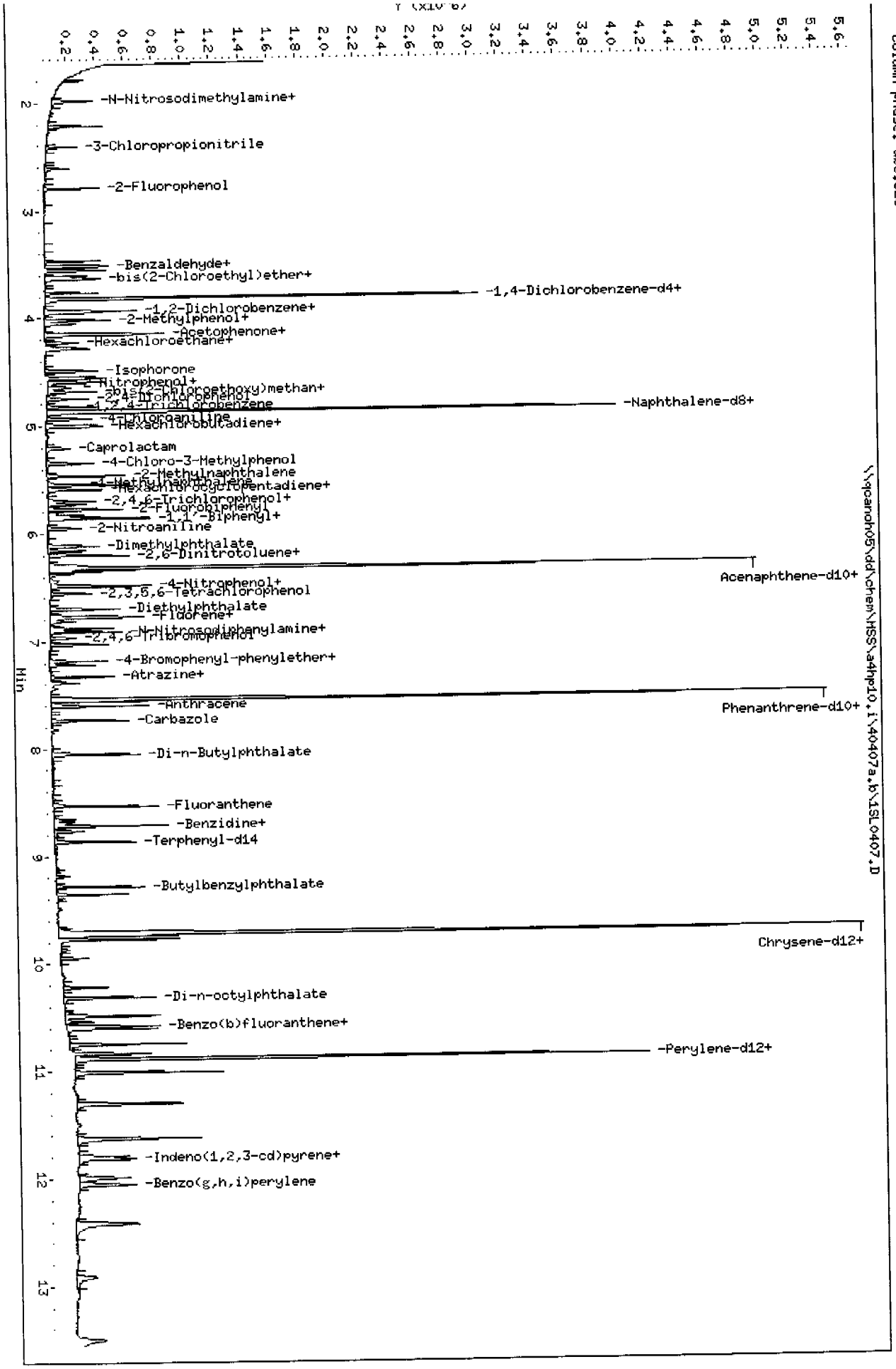
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.809	3.809	(1.000)	287574	2.00000	
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	1207390	2.00000	
* 3 Acenaphthene-d10	164	6.320	6.320	(1.000)	663108	2.00000	
* 4 Phenanthrene-d10	188	7.538	7.538	(1.000)	1135762	2.00000	
* 5 Chrysene-d12	240	9.718	9.718	(1.000)	1092241	2.00000	
* 6 Perylene-d12	264	10.882	10.882	(1.000)	808201	2.00000	
23 bis(2-Chloroethyl)ether	93	3.606	3.606	(0.947)	14281	0.05000	0.053788
35 Nitrobenzene	77	4.284	4.284	(0.880)	14903	0.05000	0.050436
51 Naphthalene	128	4.883	4.883	(1.003)	32097	0.05000	0.051801
62 2-Methylnaphthalene	142	5.460	5.460	(1.122)	21050	0.05000	0.052843
63 1-Methylnaphthalene	142	5.540	5.540	(1.138)	19676	0.05000	0.051409
79 Acenaphthylene	152	6.197	6.197	(0.981)	31608	0.05000	0.052406
82 Acenaphthene	153	6.341	6.341	(1.003)	20274	0.05000	0.054474
94 Fluorene	166	6.769	6.769	(1.071)	20951	0.05000	0.051648
107 Hexachlorobenzene	284	7.217	7.217	(0.957)	5921	0.05000	0.053574
115 Phenanthrene	178	7.554	7.554	(1.002)	33464	0.05000	0.053123
116 Anthracene	178	7.597	7.597	(1.008)	30459	0.05000	0.049908
123 Fluoranthene	202	8.532	8.532	(1.132)	33439	0.05000	0.053093
125 Pyrene	202	8.713	8.713	(0.897)	34720	0.05000	0.051661
136 Benzo(a)Anthracene	228	9.707	9.707	(0.999)	40108	0.05000	0.060932
137 Chrysene	228	9.739	9.739	(1.002)	36080	0.05000	0.059064
141 Benzo(b)fluoranthene	252	10.583	10.583	(0.973)	40141	0.05000	0.060060(H)
142 Benzo(k)fluoranthene	252	10.604	10.604	(0.974)	38804	0.05000	0.060082
146 Benzo(a)pyrene	252	10.834	10.834	(0.996)	32999	0.05000	0.058363
149 Indeno(1,2,3-cd)pyrene	276	11.790	11.790	(1.083)	37924	0.05000	0.056469
150 Dibenz(a,h)anthracene	278	11.812	11.812	(1.085)	30291	0.05000	0.053842(H)
151 Benzo(g,h,i)perylene	276	12.052	12.052	(1.108)	31110	0.05000	0.055309
$ 154 Nitrobenzene-d5	82	4.268	4.268	(0.877)	15173	0.05000	0.051926
$ 155 2-Fluorobiphenyl	172	5.770	5.770	(0.913)	20767	0.05000	0.050487
$ 156 Terphenyl-d14	244	8.863	8.863	(0.912)	22117	0.05000	0.050631
$ 157 Phenol-d5	99	3.504	3.504	(0.920)	16971	0.05000	0.051047(H)
$ 158 2-Fluorophenol	112	2.783	2.783	(0.731)	11955	0.05000	0.051654
$ 159 2,4,6-Tribromophenol	330	6.966	6.966	(1.102)	2737	0.05000	0.051594

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SL0407.D
Date : 07-APR-2004 11:34
Client ID:
Sample Info: 12,40407a,b,8270p,3-827042,sub,1,,2
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



Page 4

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SL0407.D
Report Date: 08-Apr-2004 06:34

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SL0407.D
Lab Smp Id: 12
Inj Date : 07-APR-2004 11:34 Inst ID: a4hp10.i
Operator : 046900
Smp Info : 12,40407a.b,8270p,3-827042.sub,1,,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:34 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 11:12 Cal File: 1SLL0407.D
Calibration Sample, Level: 2
Als bottle: 5
Dil Factor: 1.00000 Compound Sublist: 3-827042.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.814	3.814	(1.000)	363405	2.00000	
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	1513412	2.00000	
* 3 Acenaphthene-d10	164	6.320	6.320	(1.000)	843646	2.00000	
* 4 Phenanthrene-d10	188	7.538	7.538	(1.000)	1436261	2.00000	
* 5 Chrysene-d12	240	9.717	9.717	(1.000)	1392631	2.00000	
* 6 Perylene-d12	264	10.882	10.882	(1.000)	1023509	2.00000	
198 1,4-Dioxane	88	1.789	1.789	(0.469)	32026	0.25000	0.25417(MH)
9 Pyridine	79	1.982	1.982	(0.520)	86824	0.25000	0.25838(QM)
10 N-Nitrosodimethylamine	74	1.976	1.976	(0.518)	60256	0.25000	0.24300
12 3-Chloropropionitrile	54	2.409	2.409	(0.632)	40512	0.25000	0.24498(Q)
209 Benzaldehyde	77	3.467	3.467	(0.909)	64911	0.25000	0.26420
21 Aniline	93	3.547	3.547	(0.930)	135023	0.25000	0.23058
22 Phenol	94	3.515	3.515	(0.922)	117771	0.25000	0.25245(H)
23 bis(2-Chloroethyl)ether	93	3.606	3.606	(0.945)	81728	0.25000	0.24359
24 2-Chlorophenol	128	3.638	3.638	(0.954)	66121	0.25000	0.25388
26 1,3-Dichlorobenzene	146	3.761	3.761	(0.986)	64553	0.25000	0.25653
27 1,4-Dichlorobenzene	146	3.825	3.825	(1.003)	56931	0.25000	0.24968
28 1,2-Dichlorobenzene	146	3.948	3.948	(1.035)	62315	0.25000	0.25573
29 Benzyl Alcohol	108	3.932	3.932	(1.031)	59126	0.25000	0.24755
30 2-Methylphenol	108	4.017	4.017	(1.053)	79950	0.25000	0.24744
31 bis(2-Chloroisopropyl)ether	45	4.049	4.049	(1.062)	94271	0.25000	0.23723
37 Acetophenone	105	4.151	4.151	(1.088)	109455	0.25000	0.21549
32 N-Nitroso-di-n-propylamine	70	4.156	4.156	(1.090)	67057	0.25000	0.24211
192 4-Methylphenol	108	4.145	4.145	(1.087)	81171	0.25000	0.24317
34 Hexachloroethane	117	4.225	4.225	(1.108)	26383	0.25000	0.25942
35 Nitrobenzene	77	4.284	4.284	(0.880)	91113	0.25000	0.24600
41 Isophorone	82	4.493	4.493	(0.923)	164621	0.25000	0.24063
42 2-Nitrophenol	139	4.551	4.551	(0.935)	35887	0.25000	0.24313
43 2,4-Dimethylphenol	107	4.594	4.594	(0.944)	79463	0.25000	0.23893
44 bis(2-Chloroethoxy)methane	93	4.680	4.680	(0.962)	96622	0.25000	0.24328
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	4.557	4.557	(0.936)	52772	0.25000	0.24788
48 2,4-Dichlorophenol	162	4.744	4.744	(0.975)	50182	0.25000	0.23982

Data File: \\qcanoh05\dd\chem\MSS\a4np10.1\4040[illegible]
Report Date: 08-Apr-2004 06:34

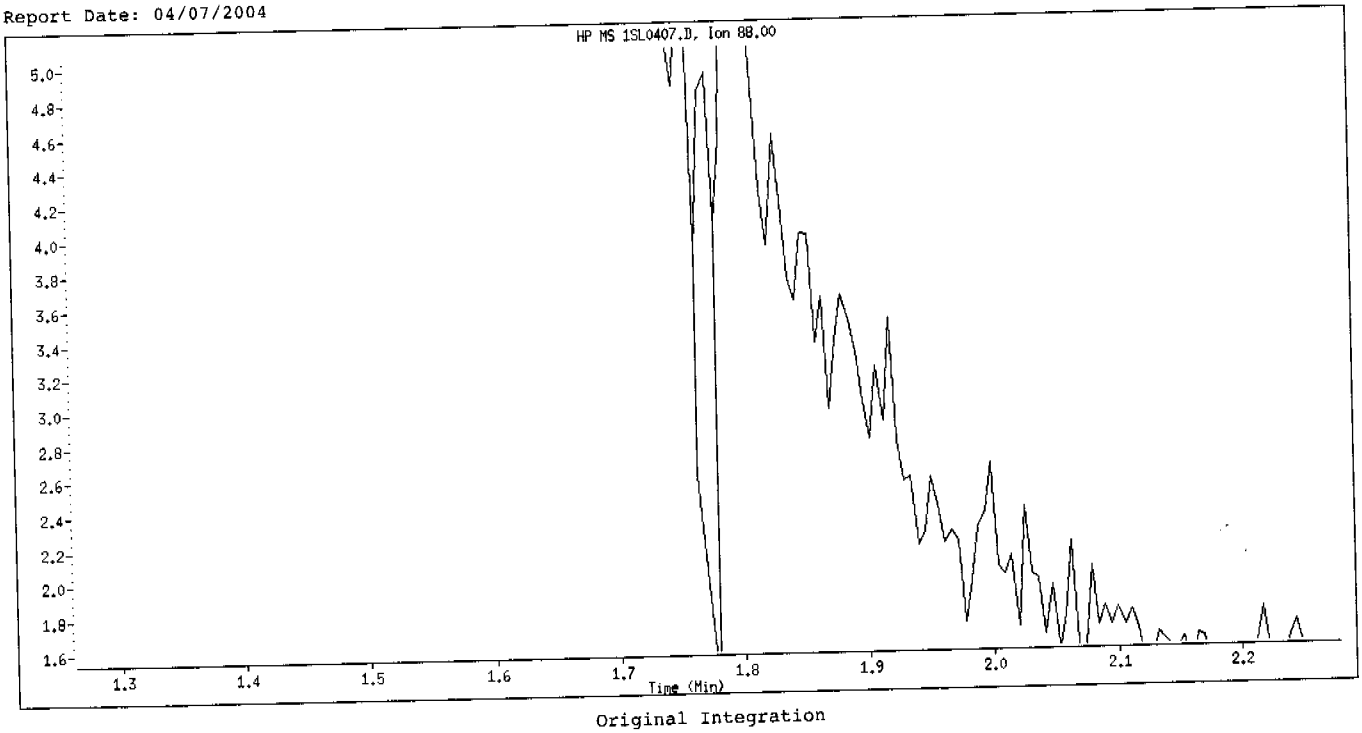
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.642	4.642	(0.954)	58424	0.50000	0.68192(QH)
50 1,2,4-Trichlorobenzene	180	4.818	4.818	(0.990)	53135	0.25000	0.25170
51 Naphthalene	128	4.883	4.883	(1.003)	192684	0.25000	0.24809
52 4-Chloroaniline	127	4.931	4.931	(1.013)	78857	0.25000	0.24350
56 Hexachlorobutadiene	225	4.995	4.995	(1.026)	27753	0.25000	0.25885
210 Caprolactam	113	5.203	5.203	(1.069)	23379	0.25000	0.22538(H)
57 1,2,3-Trichlorobenzene	180	5.000	5.000	(1.027)	48946	0.25000	0.24668
59 4-Chloro-3-Methylphenol	107	5.342	5.342	(1.098)	67190	0.25000	0.22898
62 2-Methylnaphthalene	142	5.460	5.460	(1.122)	121797	0.25000	0.24393
63 1-Methylnaphthalene	142	5.540	5.540	(1.138)	120898	0.25000	0.25201
64 Hexachlorocyclopentadiene	237	5.593	5.593	(0.885)	26872	0.25000	0.24249
66 2,4,6-Trichlorophenol	196	5.695	5.695	(0.901)	39374	0.25000	0.24908
67 2,4,5-Trichlorophenol	196	5.721	5.721	(0.905)	33872	0.25000	0.21752
211 1,1'-Biphenyl	154	5.850	5.850	(0.926)	149299	0.25000	0.25596
68 1,2,3,5-Tetrachlorobenzene	216	5.582	5.582	(0.883)	47814	0.25000	0.25990
70 2-Chloronaphthalene	162	5.860	5.860	(0.927)	110065	0.25000	0.25459
73 2-Nitroaniline	65	5.946	5.946	(0.941)	43543	0.25000	0.22902
74 1,2,3,4-Tetrachlorobenzene	216	5.828	5.828	(0.922)	43837	0.25000	0.25004
76 Dimethylphthalate	163	6.117	6.117	(0.968)	121828	0.25000	0.24028
78 2,6-Dinitrotoluene	165	6.159	6.159	(0.975)	24836	0.25000	0.22022
79 Acenaphthylene	152	6.202	6.202	(0.981)	190077	0.25000	0.24770
80 1,2-Dinitrobenzene	168	6.191	6.191	(0.980)	12316	0.25000	0.21985(Q)
81 3-Nitroaniline	138	6.288	6.288	(0.995)	24682	0.25000	0.19158(Q)
82 Acenaphthene	153	6.346	6.346	(1.004)	115913	0.25000	0.24480
83 2,4-Dinitrophenol	184	6.373	6.373	(1.008)	19875	0.50000	0.56887
85 4-Nitrophenol	109	6.437	6.437	(1.019)	9733	0.25000	0.31984
86 Dibenzofuran	168	6.485	6.485	(1.026)	159832	0.25000	0.25316
87 2,4-Dinitrotoluene	165	6.485	6.485	(1.026)	35250	0.25000	0.22272
91 2,3,5,6-Tetrachlorophenol	232	6.555	6.555	(1.037)	32680	0.25000	0.24485
93 Diethylphthalate	149	6.699	6.699	(1.060)	131983	0.25000	0.25466
94 Fluorene	166	6.768	6.768	(1.071)	129441	0.25000	0.25081
95 4-Chlorophenyl-phenylether	204	6.779	6.779	(1.073)	60744	0.25000	0.25559
96 4-Nitroaniline	138	6.784	6.784	(1.074)	31618	0.25000	0.22966
98 4,6-Dinitro-2-methylphenol	198	6.811	6.811	(0.904)	18792	0.25000	0.32618
99 N-Nitrosodiphenylamine	169	6.875	6.875	(0.912)	96931	0.25000	0.25022
100 1,2-Diphenylhydrazine	77	6.907	6.907	(0.916)	172432	0.25000	0.23425
106 4-Bromophenyl-phenylether	248	7.180	7.180	(0.953)	32548	0.25000	0.24580
107 Hexachlorobenzene	284	7.217	7.217	(0.957)	34581	0.25000	0.24743
212 Atrazine	200	7.324	7.324	(0.972)	35818	0.25000	0.25533
111 Pentachlorophenol	266	7.383	7.383	(0.979)	23739	0.25000	0.22840
115 Phenanthrene	178	7.559	7.559	(1.003)	201057	0.25000	0.25240
116 Anthracene	178	7.596	7.596	(1.008)	190831	0.25000	0.24726
119 Carbazole	167	7.735	7.735	(1.026)	170614	0.25000	0.24771
120 Di-n-Butylphthalate	149	8.051	8.051	(1.068)	212823	0.25000	0.24151
123 Fluoranthene	202	8.531	8.531	(1.132)	197169	0.25000	0.24756
124 Benzidine	184	8.660	8.660	(0.891)	57503	0.25000	0.58740
125 Pyrene	202	8.713	8.713	(0.897)	206383	0.25000	0.24085
131 Butylbenzylphthalate	149	9.279	9.279	(0.955)	92028	0.25000	0.23305
133 3,3'-Dimethoxybenzidine	244	9.696	9.696	(0.998)	36036	0.25000	0.22542
135 3,3'-Dichlorobenzidine	252	9.696	9.696	(0.998)	67072	0.25000	0.23311
136 Benzo(a)Anthracene	228	9.707	9.707	(0.999)	207254	0.25000	0.24694
137 Chrysene	228	9.739	9.739	(1.002)	187284	0.25000	0.24046
138 4,4'-Methylene bis(o-chloroan	231	9.707	9.707	(0.999)	43926	0.25000	0.29895
139 bis(2-ethylhexyl)Phthalate	149	9.771	9.771	(1.005)	139595	0.25000	0.24336

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.310	10.310	(0.947)	219373	0.25000	0.24121
141 Benzo(b)fluoranthene	252	10.583	10.583	(0.973)	197681	0.25000	0.23355
142 Benzo(k)fluoranthene	252	10.604	10.604	(0.974)	195378	0.25000	0.23887
146 Benzo(a)pyrene	252	10.834	10.834	(0.996)	166953	0.25000	0.23316
149 Indeno(1,2,3-cd)pyrene	276	11.790	11.790	(1.083)	206957	0.25000	0.24333
150 Dibenz(a,h)anthracene	278	11.811	11.811	(1.085)	174356	0.25000	0.24472
151 Benzo(g,h,i)perylene	276	12.052	12.052	(1.108)	171894	0.25000	0.24131
$ 154 Nitrobenzene-d5	82	4.268	4.268	(0.877)	88275	0.25000	0.24101
$ 155 2-Fluorobiphenyl	172	5.769	5.769	(0.913)	133174	0.25000	0.25448
$ 156 Terphenyl-d14	244	8.863	8.863	(0.912)	134512	0.25000	0.24151
$ 157 Phenol-d5	99	3.504	3.504	(0.919)	103782	0.25000	0.24703
$ 158 2-Fluorophenol	112	2.794	2.794	(0.733)	73164	0.25000	0.25016
$ 159 2,4,6-Tribromophenol	330	6.966	6.966	(1.102)	16101	0.25000	0.23856
$ 186 2-Chlorophenol-d4	132	3.622	3.622	(0.950)	64572	0.25000	0.24907(H)
$ 187 1,2-Dichlorobenzene-d4	152	3.937	3.937	(1.032)	37759	0.25000	0.25921(Q)
101 Diphenylamine	169	6.875	6.875	(0.912)	96931	0.25000	0.25022

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Inj. Date and Time: 07-APR-2004 11:34
Instrument ID: a4hp10.i
Client ID:
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/07/2004



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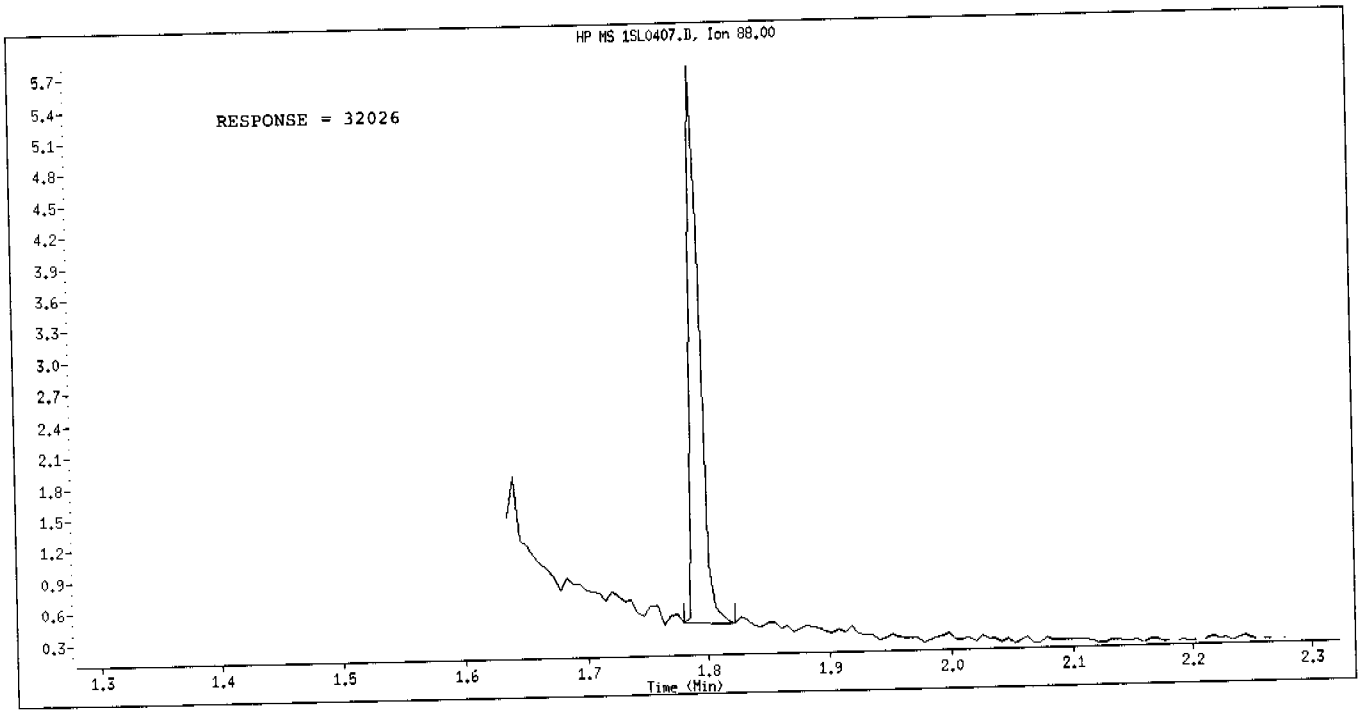
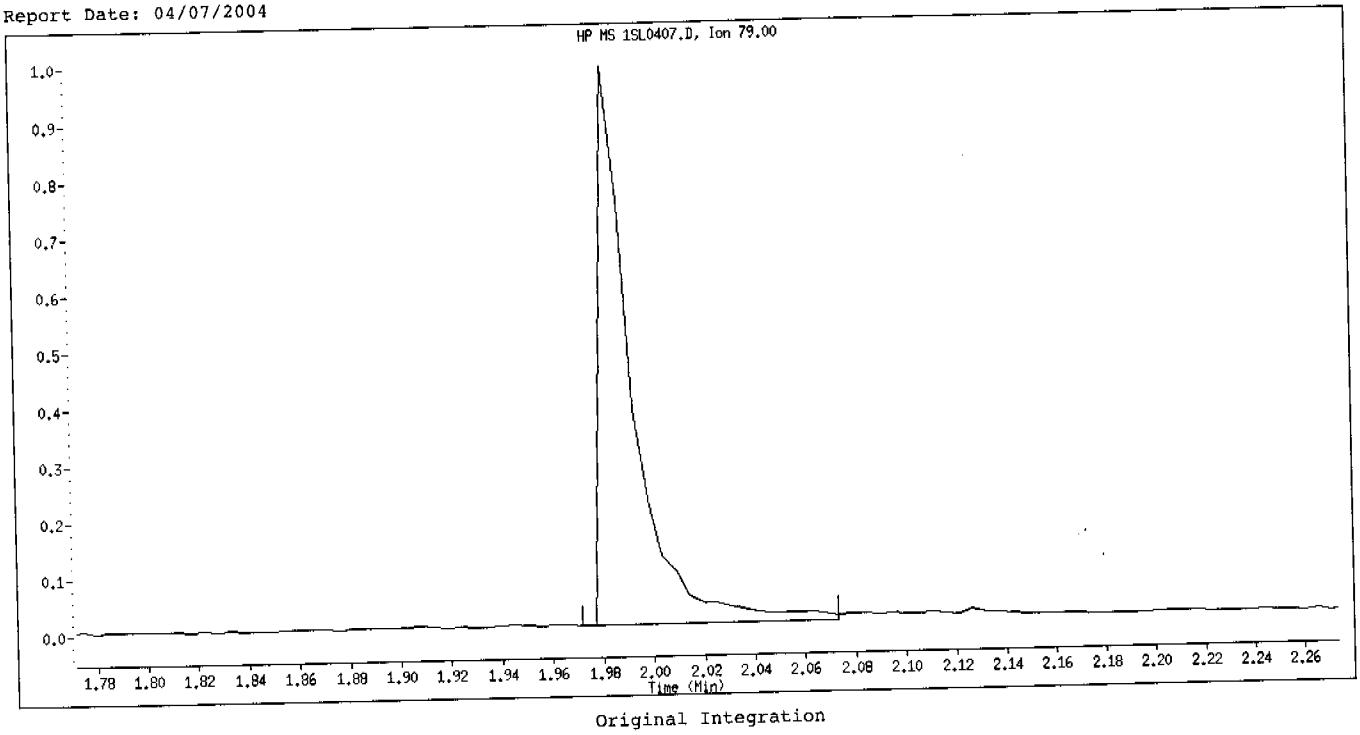


Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 11:34
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/07/2004



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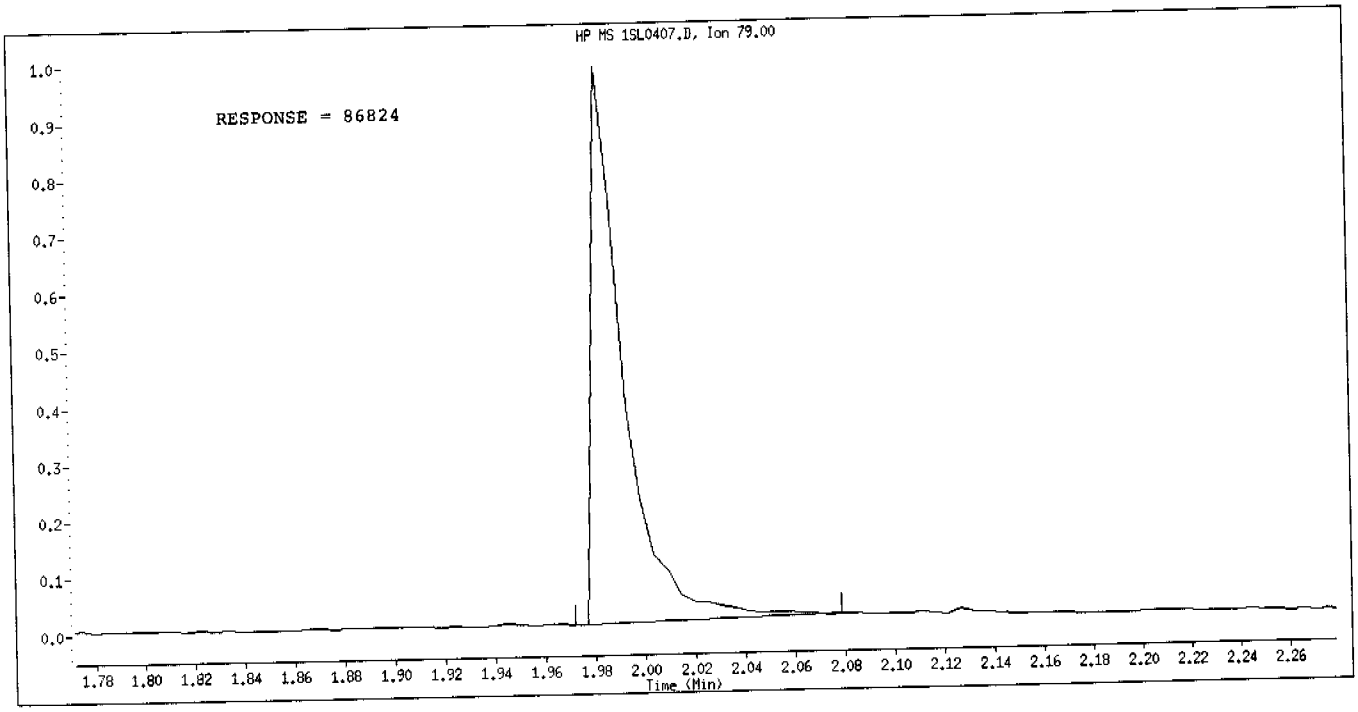


Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: [illegible]

Inj. Date and Time: 07-APR-2004 11:34

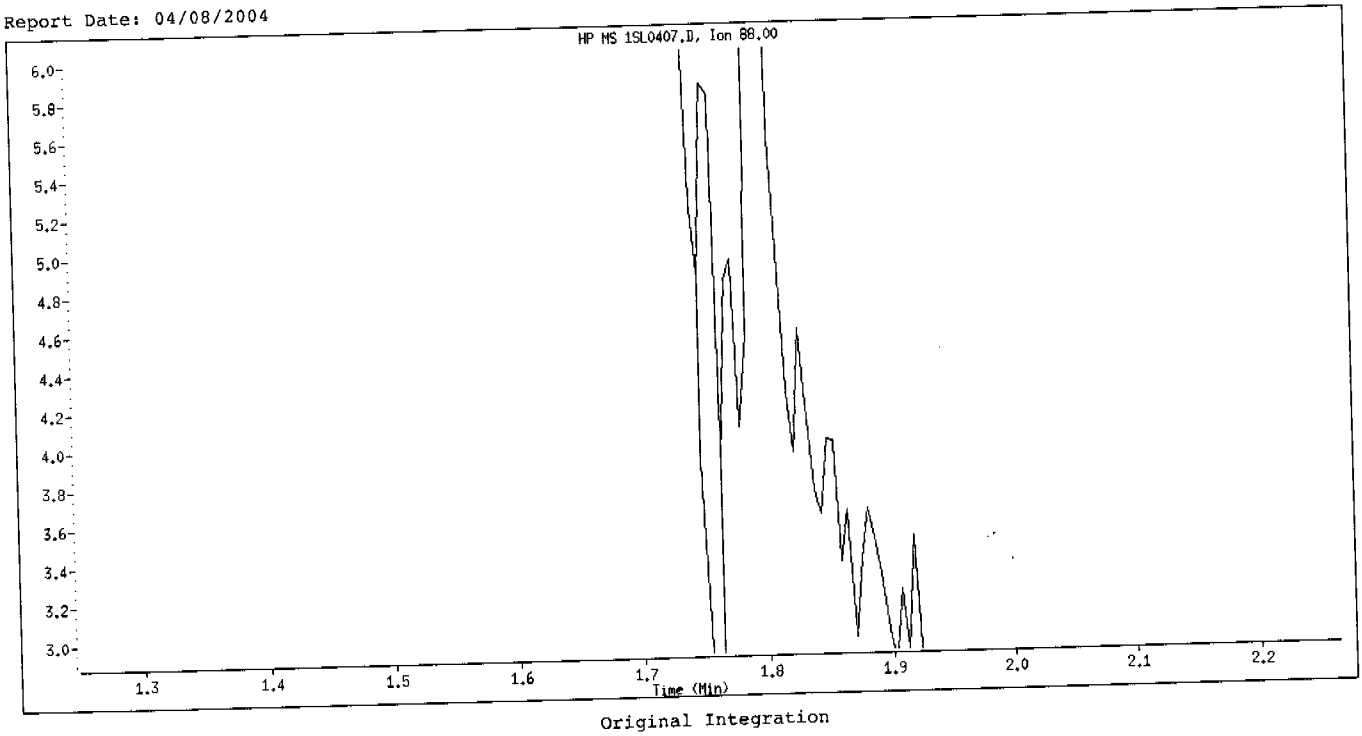
Instrument ID: a4hpl0.i

Client ID:

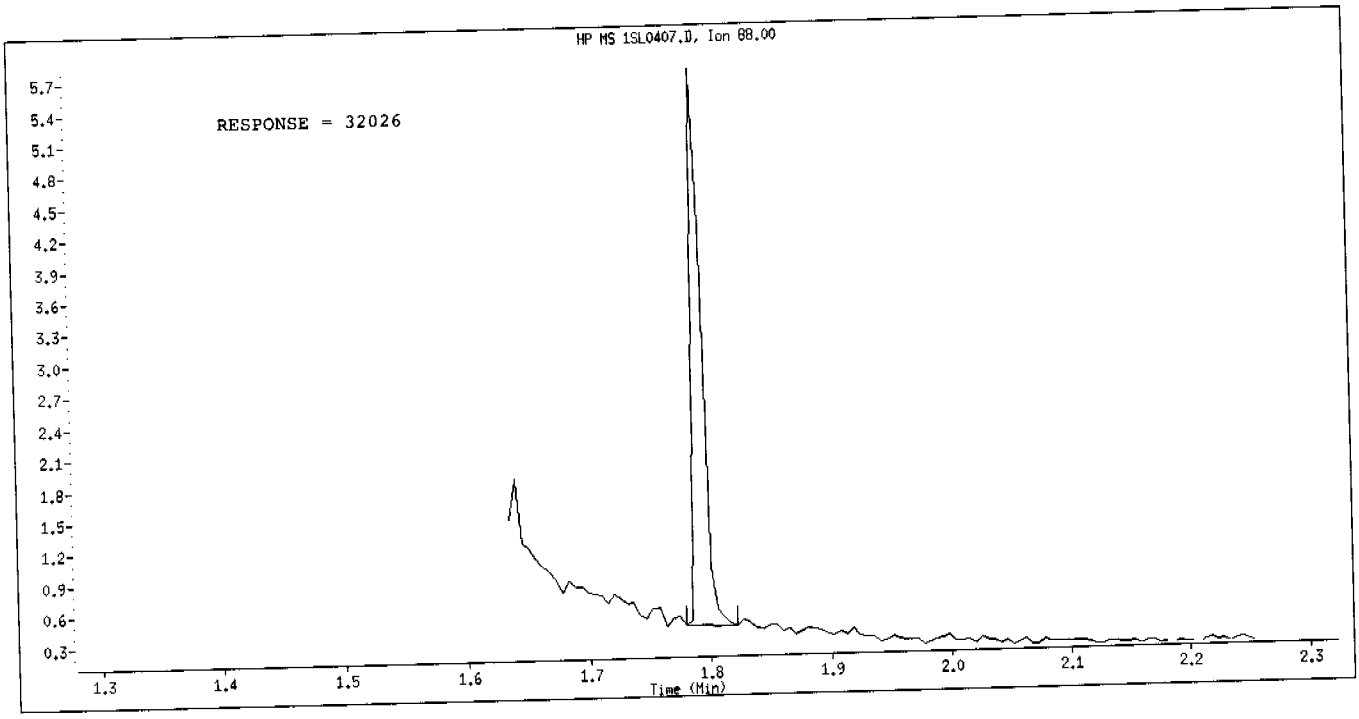
Compound Name: 1,4-Dioxane

CAS #: 123-91-1

Report Date: 04/08/2004



Original Integration

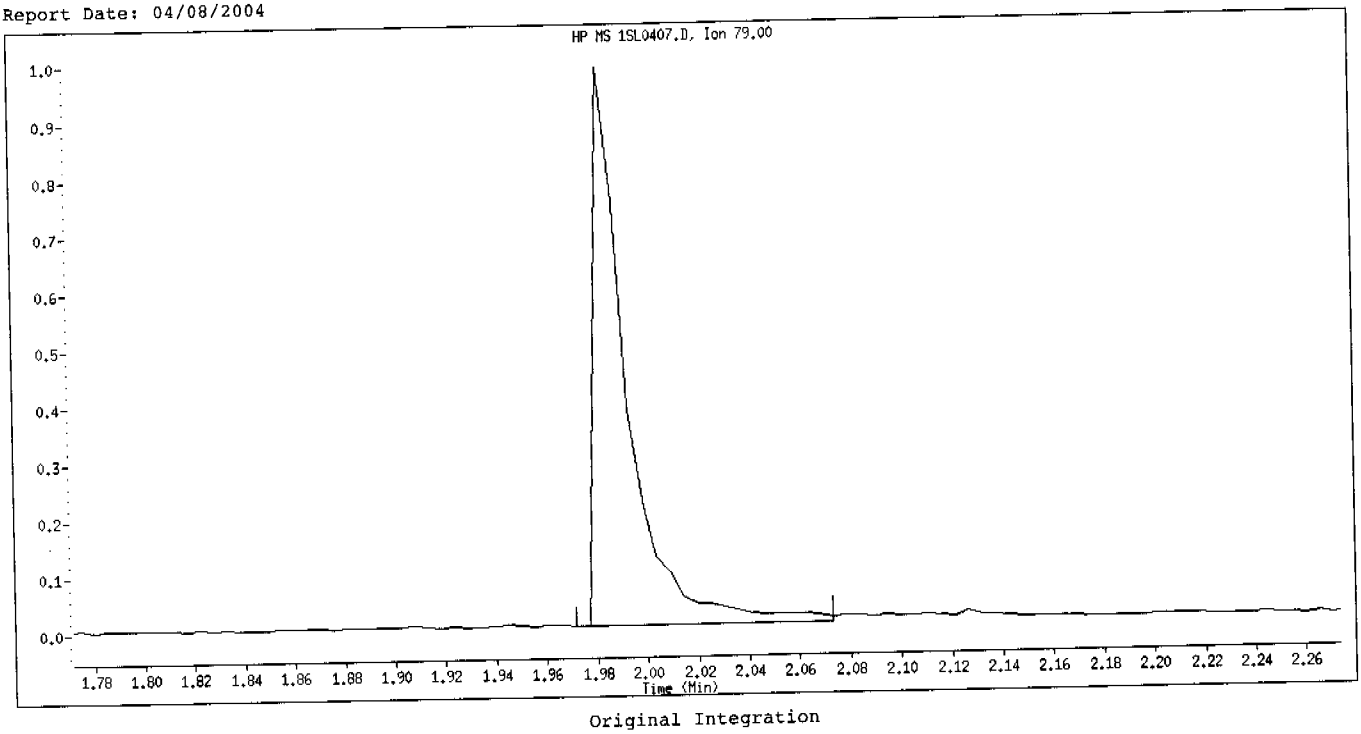


Manual Integration

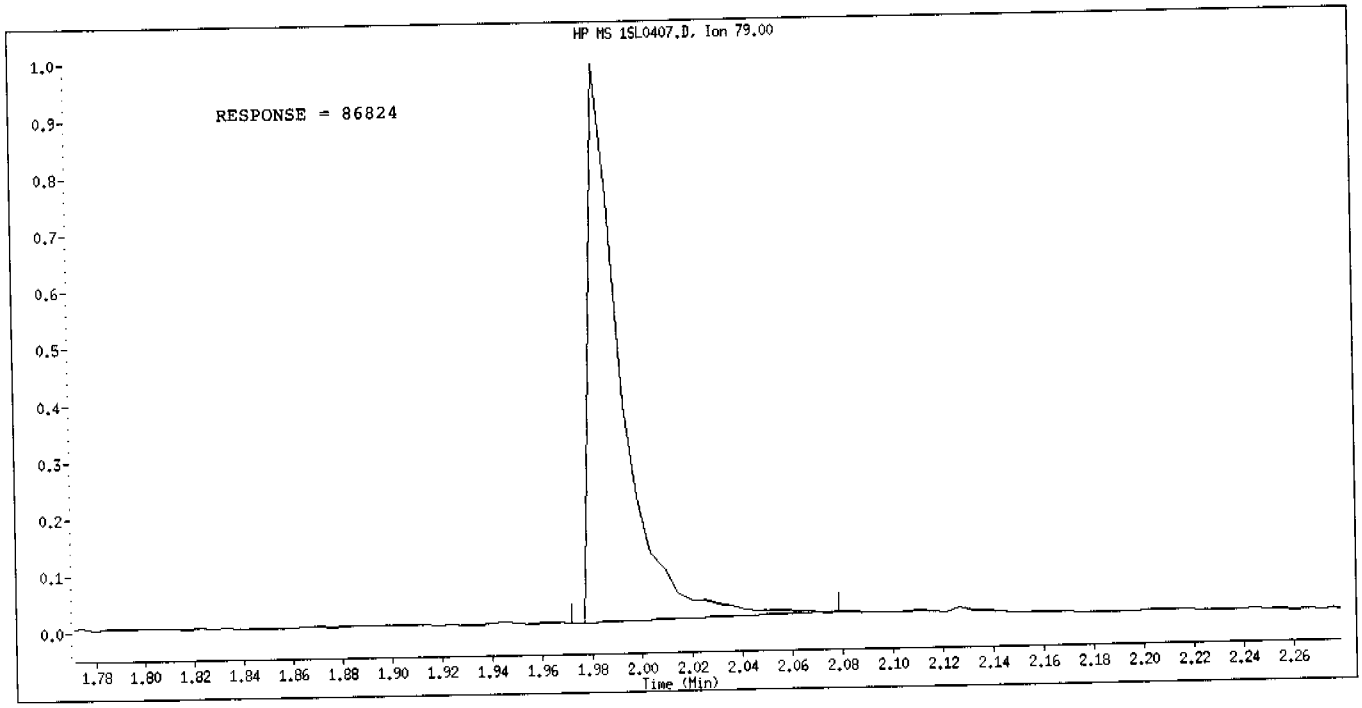
Manually Integrated By: hulat

Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 11:34
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/08/2004



Original Integration



Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

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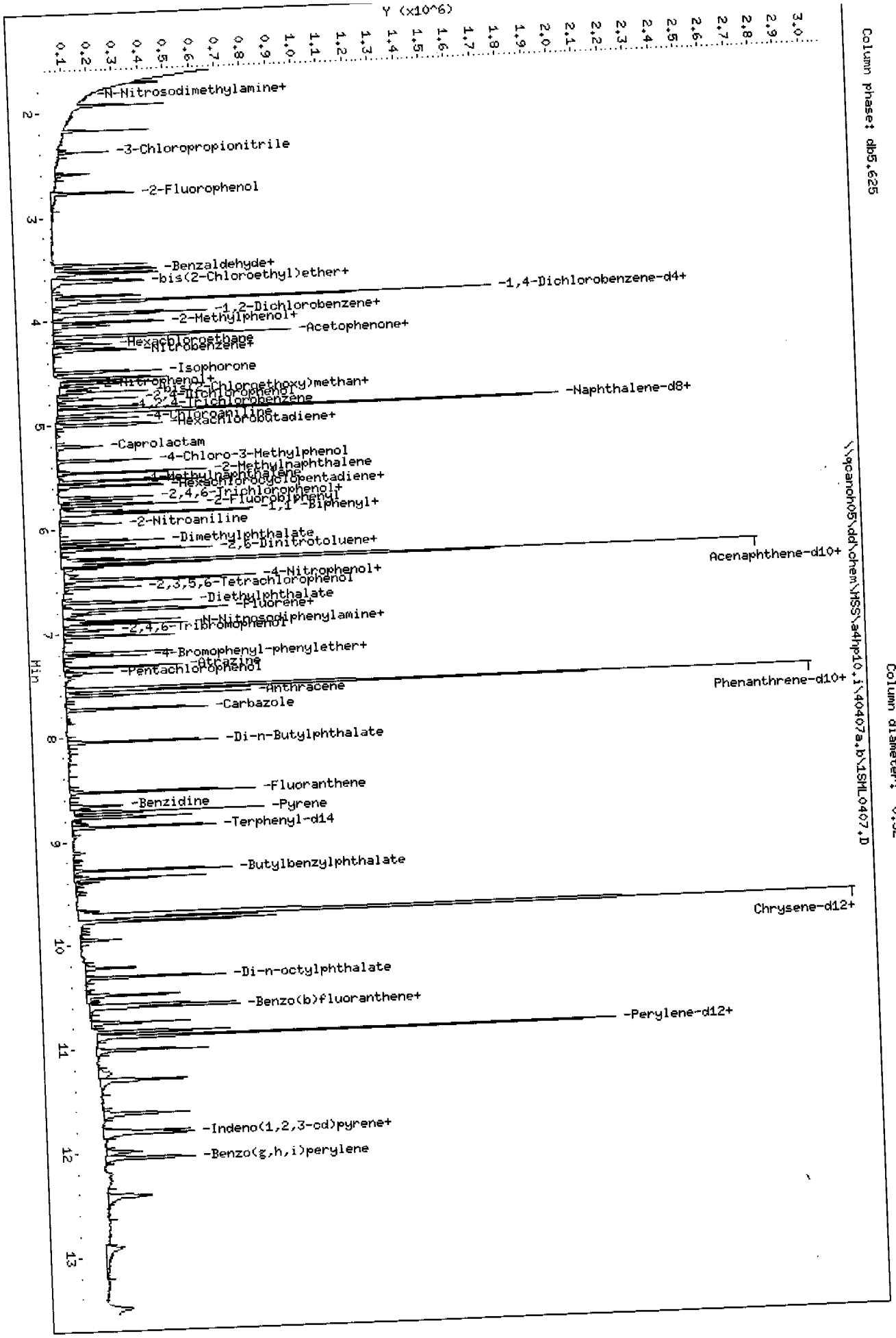
Date : 07-APR-2004 11:55
Client ID:
Sample Info: 13,40407a,b,8270p,3-827042,sub,1,3

Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



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Report Date: 08-Apr-2004 06:35

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SML0407.D
Lab Smp Id: 13
Inj Date : 07-APR-2004 11:55
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 13,40407a.b,8270p,3-827042.sub,1,,3
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:35 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 14:28 Cal File: 1AL0407.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.809	3.809	(1.000)	175034	2.00000	
* 2 Naphthalene-d8	136	4.861	4.861	(1.000)	772503	2.00000	
* 3 Acenaphthene-d10	164	6.320	6.320	(1.000)	429567	2.00000	
* 4 Phenanthrene-d10	188	7.538	7.538	(1.000)	730432	2.00000	
* 5 Chrysene-d12	240	9.717	9.717	(1.000)	699178	2.00000	
* 6 Perylene-d12	264	10.877	10.877	(1.000)	503396	2.00000	
198 1,4-Dioxane	88	1.731	1.731	(0.454)	29882	0.50000	0.49238(MH)
9 Pyridine	79	1.934	1.934	(0.508)	60809	0.50000	0.37572(QM)
10 N-Nitrosodimethylamine	74	1.934	1.934	(0.508)	54272	0.50000	0.45442
12 3-Chloropropionitrile	54	2.382	2.382	(0.626)	41498	0.50000	0.52100(Q)
209 Benzaldehyde	77	3.462	3.462	(0.909)	60515	0.50000	0.51139
21 Aniline	93	3.547	3.547	(0.931)	128037	0.50000	0.45396
22 Phenol	94	3.515	3.515	(0.923)	107068	0.50000	0.47650
23 bis(2-Chloroethyl)ether	93	3.600	3.600	(0.945)	80908	0.50000	0.50066
24 2-Chlorophenol	128	3.633	3.633	(0.954)	60350	0.50000	0.48110
26 1,3-Dichlorobenzene	146	3.761	3.761	(0.987)	60982	0.50000	0.50314
27 1,4-Dichlorobenzene	146	3.819	3.819	(1.003)	54013	0.50000	0.49183
28 1,2-Dichlorobenzene	146	3.942	3.942	(1.035)	59301	0.50000	0.50526
29 Benzyl Alcohol	108	3.926	3.926	(1.031)	52162	0.50000	0.45343
30 2-Methylphenol	108	4.017	4.017	(1.055)	76014	0.50000	0.48843
31 bis(2-Chloroisopropyl)ether	45	4.049	4.049	(1.063)	93428	0.50000	0.48814
37 Acetophenone	105	4.145	4.145	(1.088)	106847	0.50000	0.44904
32 N-Nitroso-di-n-propylamine	70	4.156	4.156	(1.091)	66677	0.50000	0.49983
192 4-Methylphenol	108	4.145	4.145	(1.088)	83046	0.50000	0.51653
34 Hexachloroethane	117	4.220	4.220	(1.108)	23702	0.50000	0.48388
35 Nitrobenzene	77	4.284	4.284	(0.881)	89544	0.50000	0.47365
41 Isophorone	82	4.487	4.487	(0.923)	164880	0.50000	0.47216
42 2-Nitrophenol	139	4.546	4.546	(0.935)	34639	0.50000	0.45974
43 2,4-Dimethylphenol	107	4.594	4.594	(0.945)	78468	0.50000	0.46223
44 bis(2-Chloroethoxy)methane	93	4.680	4.680	(0.963)	94675	0.50000	0.46701
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	4.557	4.557	(0.937)	55323	0.50000	0.50910
48 2,4-Dichlorophenol	162	4.744	4.744	(0.976)	49278	0.50000	0.46136

Data File: \\qcanoh05\dd\chem\MSS\a4np10.1\40407a.D\1BMB0407.D
Report Date: 08-Apr-2004 06:35

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.648	4.648	(0.956)	57060	1.00000	0.93828
50 1,2,4-Trichlorobenzene	180	4.818	4.818	(0.991)	52153	0.50000	0.48399
51 Naphthalene	128	4.883	4.883	(1.004)	192744	0.50000	0.48618
52 4-Chloroaniline	127	4.931	4.931	(1.014)	73627	0.50000	0.44540
56 Hexachlorobutadiene	225	4.989	4.989	(1.026)	27029	0.50000	0.49388
210 Caprolactam	113	5.203	5.203	(1.070)	22963	0.50000	0.43368
57 1,2,3-Trichlorobenzene	180	5.000	5.000	(1.029)	50893	0.50000	0.50249
59 4-Chloro-3-Methylphenol	107	5.342	5.342	(1.099)	66708	0.50000	0.44537
62 2-Methylnaphthalene	142	5.460	5.460	(1.123)	122922	0.50000	0.48229
63 1-Methylnaphthalene	142	5.540	5.540	(1.140)	116359	0.50000	0.47517
64 Hexachlorocyclopentadiene	237	5.593	5.593	(0.885)	22959	0.50000	0.40688
66 2,4,6-Trichlorophenol	196	5.695	5.695	(0.901)	34740	0.50000	0.43161
67 2,4,5-Trichlorophenol	196	5.721	5.721	(0.905)	39055	0.50000	0.49256
211 1,1'-Biphenyl	154	5.850	5.850	(0.926)	148800	0.50000	0.50101
68 1,2,3,5-Tetrachlorobenzene	216	5.582	5.582	(0.883)	46044	0.50000	0.49153
70 2-Chloronaphthalene	162	5.860	5.860	(0.927)	106508	0.50000	0.48384
73 2-Nitroaniline	65	5.946	5.946	(0.941)	44093	0.50000	0.45547
74 1,2,3,4-Tetrachlorobenzene	216	5.828	5.828	(0.922)	43804	0.50000	0.49071
76 Dimethylphthalate	163	6.111	6.111	(0.967)	124026	0.50000	0.48042
78 2,6-Dinitrotoluene	165	6.154	6.154	(0.974)	25989	0.50000	0.45259
79 Acenaphthylene	152	6.202	6.202	(0.981)	186791	0.50000	0.47807
80 1,2-Dinitrobenzene	168	6.191	6.191	(0.980)	12612	0.50000	0.44216(Q)
81 3-Nitroaniline	138	6.288	6.288	(0.995)	29412	0.50000	0.44835(Q)
82 Acenaphthene	153	6.346	6.346	(1.004)	117323	0.50000	0.48662
83 2,4-Dinitrophenol	184	6.373	6.373	(1.008)	19688	1.00000	0.79721
85 4-Nitrophenol	109	6.437	6.437	(1.019)	9215	0.50000	0.41853(Q)
86 Dibenzofuran	168	6.485	6.485	(1.026)	160658	0.50000	0.49976
87 2,4-Dinitrotoluene	165	6.485	6.485	(1.026)	36328	0.50000	0.45079
91 2,3,5,6-Tetrachlorophenol	232	6.555	6.555	(1.037)	31303	0.50000	0.46061
93 Diethylphthalate	149	6.699	6.699	(1.060)	123366	0.50000	0.46748
94 Fluorene	166	6.768	6.768	(1.071)	128049	0.50000	0.48728
95 4-Chlorophenyl-phenylether	204	6.779	6.779	(1.073)	60840	0.50000	0.50276
96 4-Nitroaniline	138	6.784	6.784	(1.074)	29188	0.50000	0.41637
98 4,6-Dinitro-2-methylphenol	198	6.811	6.811	(0.904)	16707	0.50000	0.44953
99 N-Nitrosodiphenylamine	169	6.875	6.875	(0.912)	96309	0.50000	0.48886
100 1,2-Diphenylhydrazine	77	6.907	6.907	(0.916)	171162	0.50000	0.45722
106 4-Bromophenyl-phenylether	248	7.180	7.180	(0.953)	32569	0.50000	0.48363
107 Hexachlorobenzene	284	7.217	7.217	(0.957)	34795	0.50000	0.48953
212 Atrazine	200	7.324	7.324	(0.972)	33543	0.50000	0.47017
111 Pentachlorophenol	266	7.383	7.383	(0.979)	21135	0.50000	0.39985
115 Phenanthrene	178	7.554	7.554	(1.002)	200765	0.50000	0.49557
116 Anthracene	178	7.596	7.596	(1.008)	188423	0.50000	0.48006
119 Carbazole	167	7.735	7.735	(1.026)	169257	0.50000	0.48320
120 Di-n-Butylphthalate	149	8.051	8.051	(1.068)	212071	0.50000	0.47321
123 Fluoranthene	202	8.531	8.531	(1.132)	190217	0.50000	0.46961
124 Benzidine	184	8.660	8.660	(0.891)	85867	0.50000	0.87087
125 Pyrene	202	8.713	8.713	(0.897)	199402	0.50000	0.46350
131 Butylbenzylphthalate	149	9.279	9.279	(0.955)	88269	0.50000	0.44523
133 3,3'-Dimethoxybenzidine	244	9.696	9.696	(0.998)	38906	0.50000	0.48475
135 3,3'-Dichlorobenzidine	252	9.696	9.696	(0.998)	70303	0.50000	0.48669
136 Benzo(a)Anthracene	228	9.707	9.707	(0.999)	194929	0.50000	0.46262
137 Chrysene	228	9.739	9.739	(1.002)	177099	0.50000	0.45290
138 4,4'-Methylene bis(o-chloroan	231	9.707	9.707	(0.999)	37760	0.50000	0.51187
139 bis(2-ethylhexyl)Phthalate	149	9.771	9.771	(1.005)	134298	0.50000	0.46633

Data File: \\qcanoh05\dd\chem\MSS\a4np10.1\4040/a.D\[illegible]
Report Date: 08-Apr-2004 06:35

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.310	10.310	(0.948)	204719	0.50000	0.45768
141 Benzo(b)fluoranthene	252	10.577	10.577	(0.972)	192143	0.50000	0.46156
142 Benzo(k)fluoranthene	252	10.604	10.604	(0.975)	189551	0.50000	0.47120
146 Benzo(a)pyrene	252	10.834	10.834	(0.996)	161913	0.50000	0.45976
149 Indeno(1,2,3-cd)pyrene	276	11.790	11.790	(1.084)	195054	0.50000	0.46630
150 Dibenz(a,h)anthracene	278	11.811	11.811	(1.086)	159621	0.50000	0.45552
151 Benzo(g,h,i)perylene	276	12.052	12.052	(1.108)	161665	0.50000	0.46145
$ 154 Nitrobenzene-d5	82	4.268	4.268	(0.878)	89293	0.50000	0.47762
$ 155 2-Fluorobiphenyl	172	5.769	5.769	(0.913)	129378	0.50000	0.48553
$ 156 Terphenyl-d14	244	8.863	8.863	(0.912)	129957	0.50000	0.46476
$ 157 Phenol-d5	99	3.504	3.504	(0.920)	94785	0.50000	0.46842
$ 158 2-Fluorophenol	112	2.772	2.772	(0.728)	65448	0.50000	0.46460
$ 159 2,4,6-Tribromophenol	330	6.966	6.966	(1.102)	15881	0.50000	0.46212
$ 186 2-Chlorophenol-d4	132	3.616	3.616	(0.950)	60377	0.50000	0.48352
$ 187 1,2-Dichlorobenzene-d4	152	3.932	3.932	(1.032)	35944	0.50000	0.51229
101 Diphenylamine	169	6.875	6.875	(0.912)	96309	0.50000	0.48886

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: --

Inj. Date and Time: 07-APR-2004 11:55

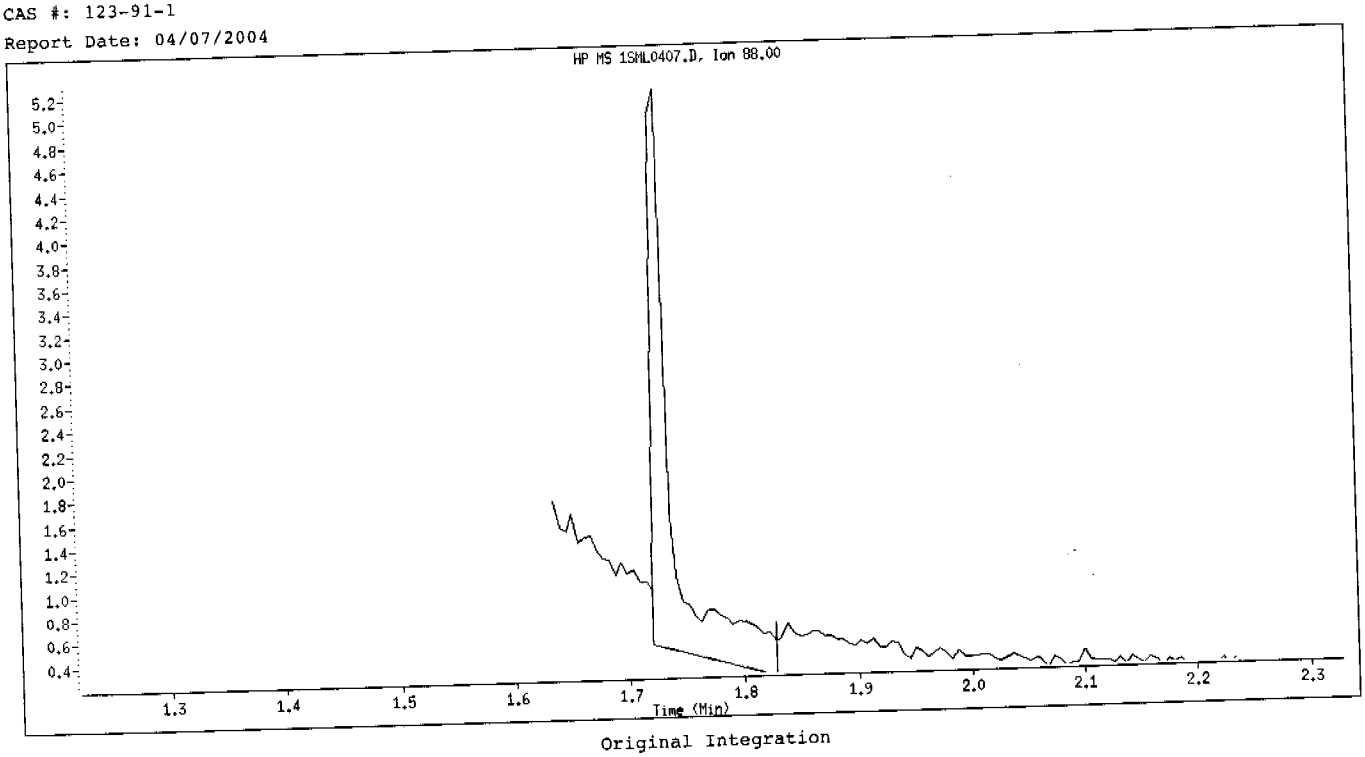
Instrument ID: a4hpl0.i

Client ID:

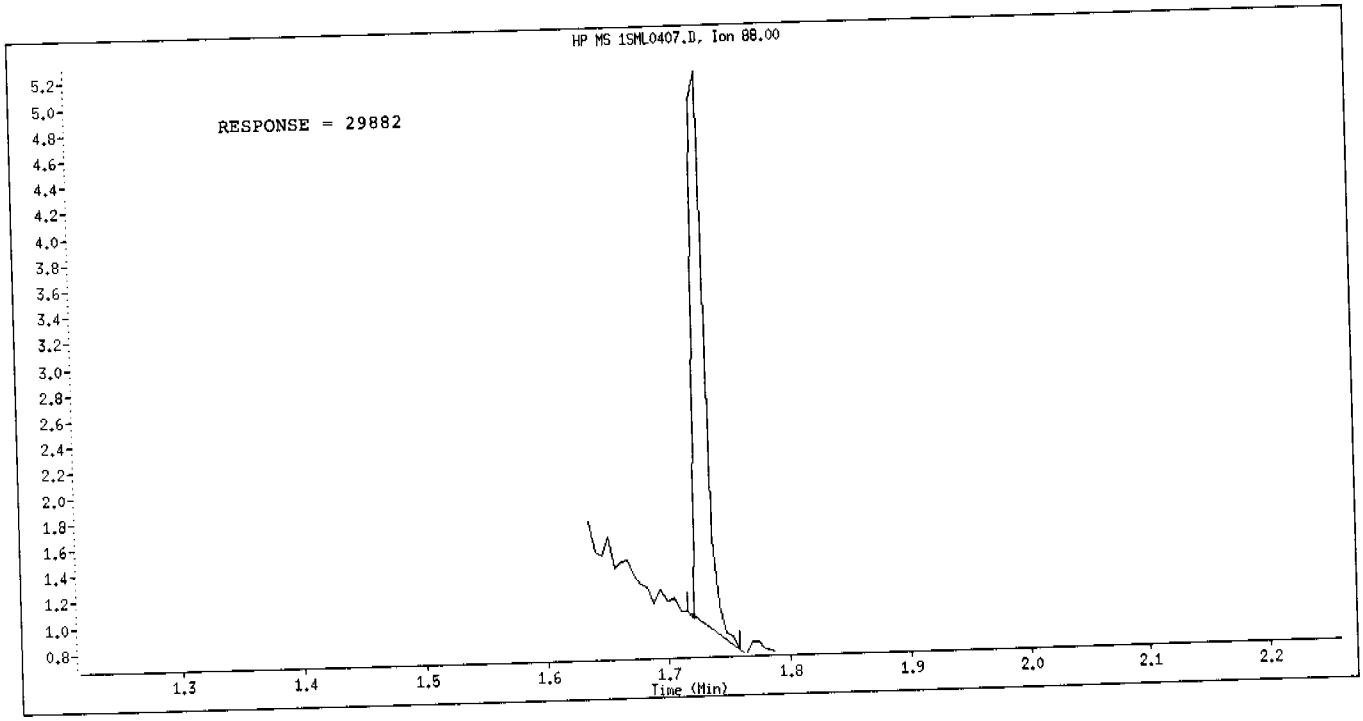
Compound Name: 1,4-Dioxane

CAS #: 123-91-1

Report Date: 04/07/2004



Original Integration

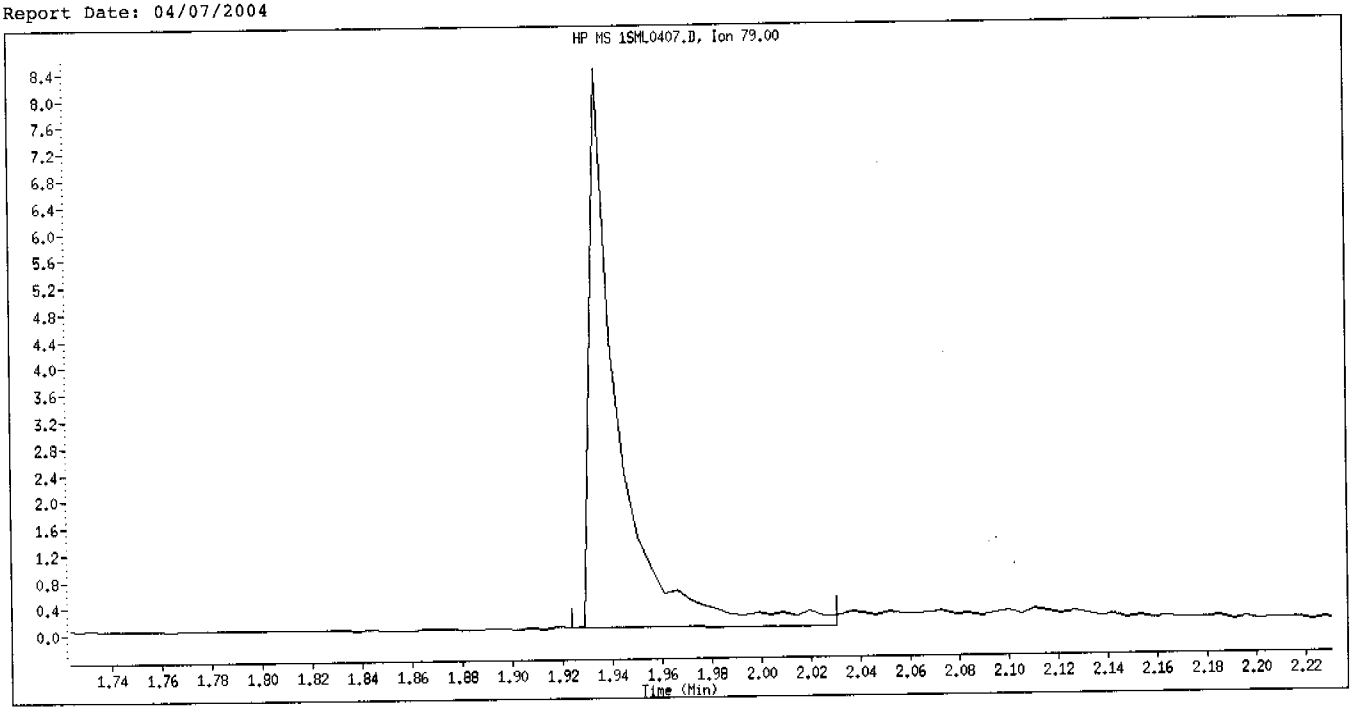


Manual Integration

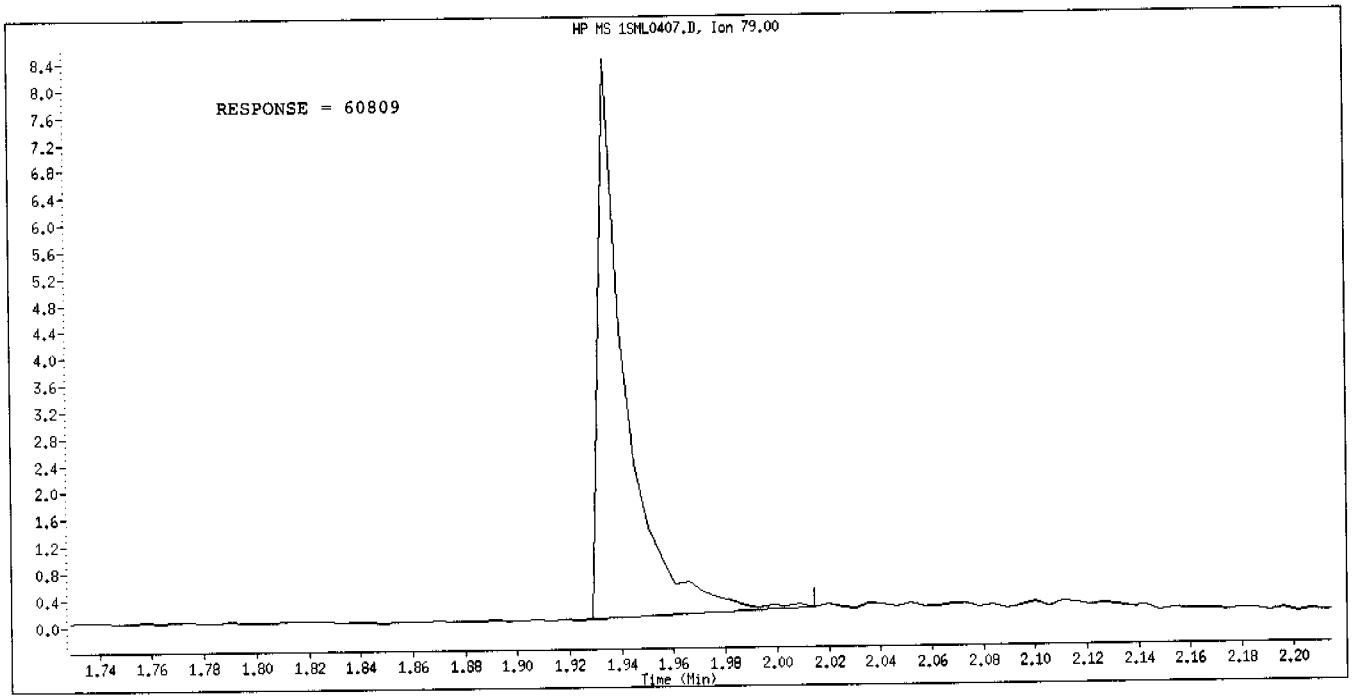
Manually Integrated By: hulat

Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 11:55
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/07/2004



Original Integration



Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

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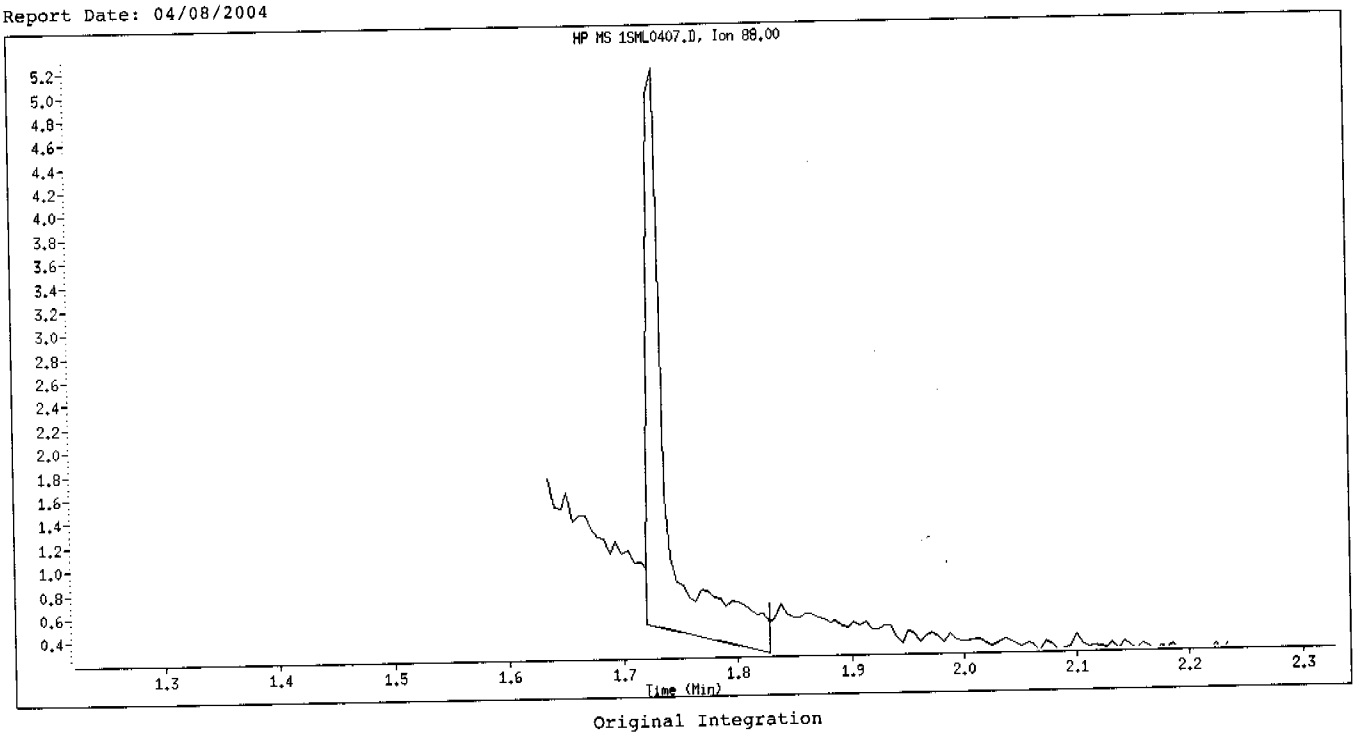
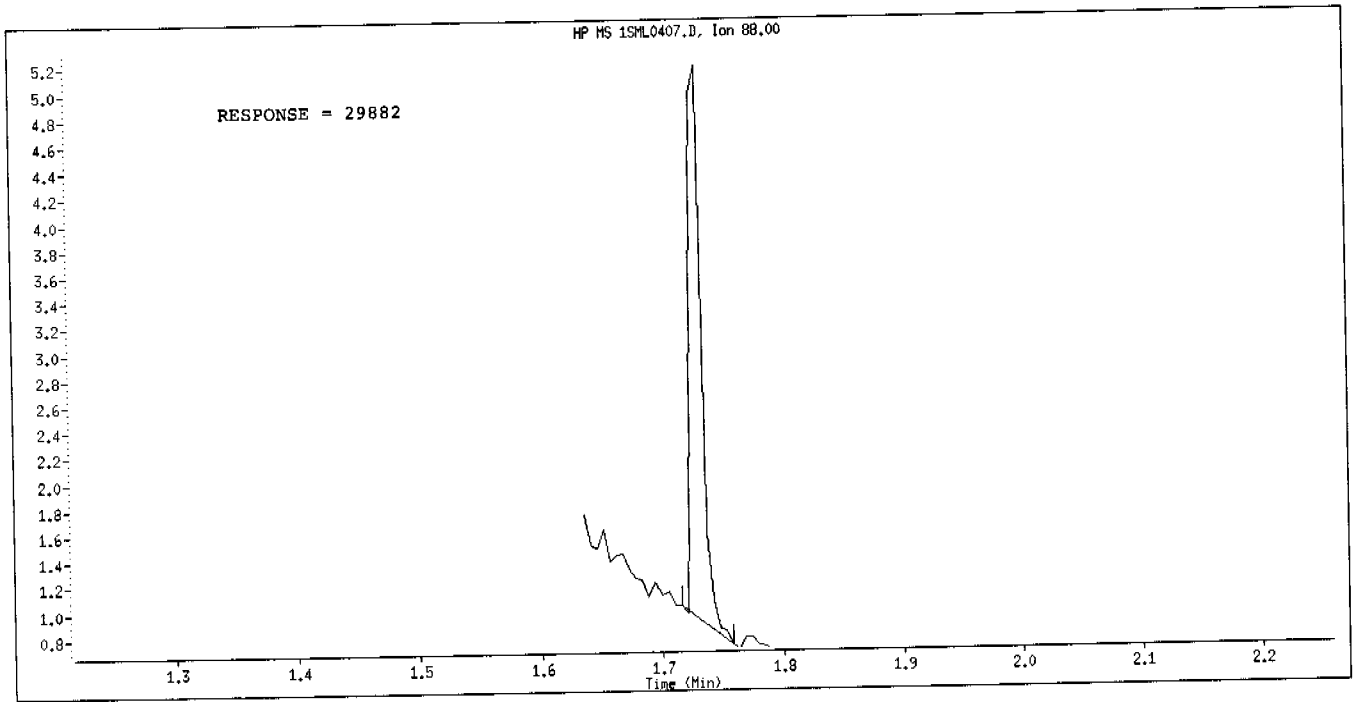
Client ID:
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/08/2004



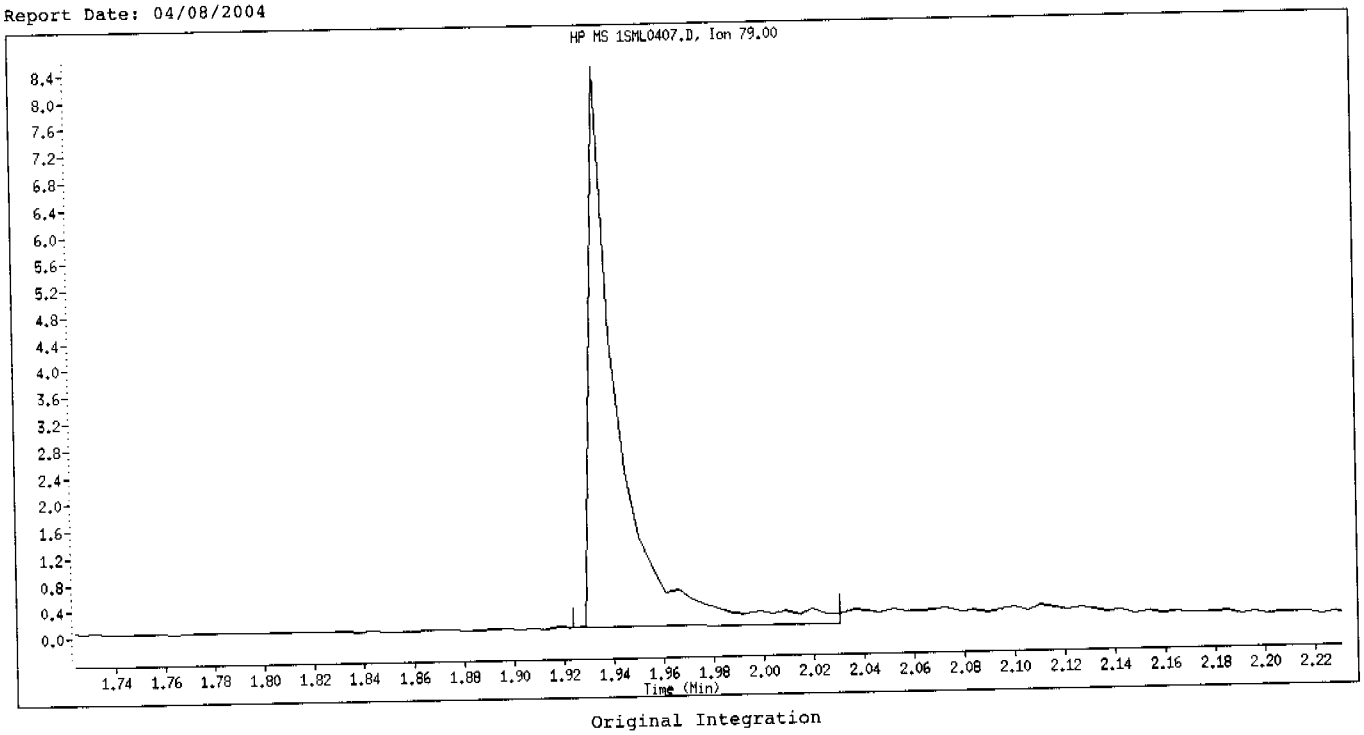
Original Integration



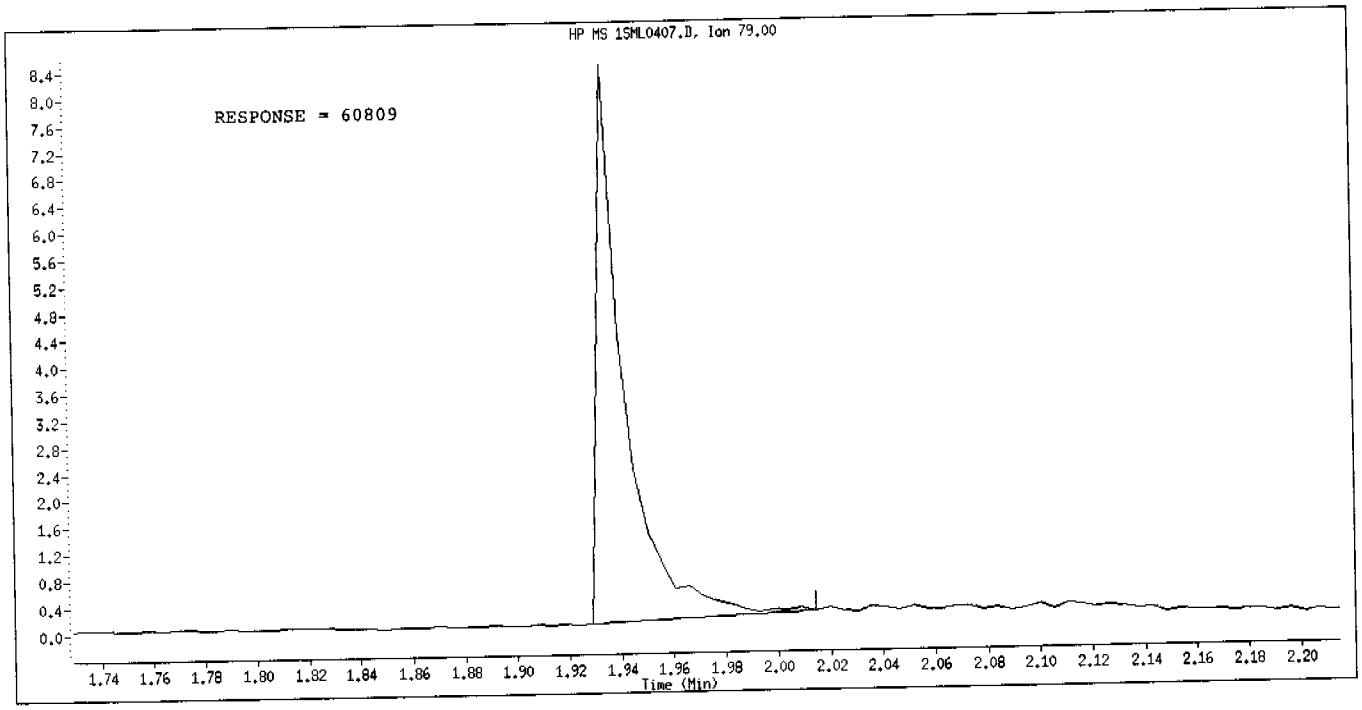
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 11:55
Instrument ID: a4hpl0.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/08/2004



Original Integration



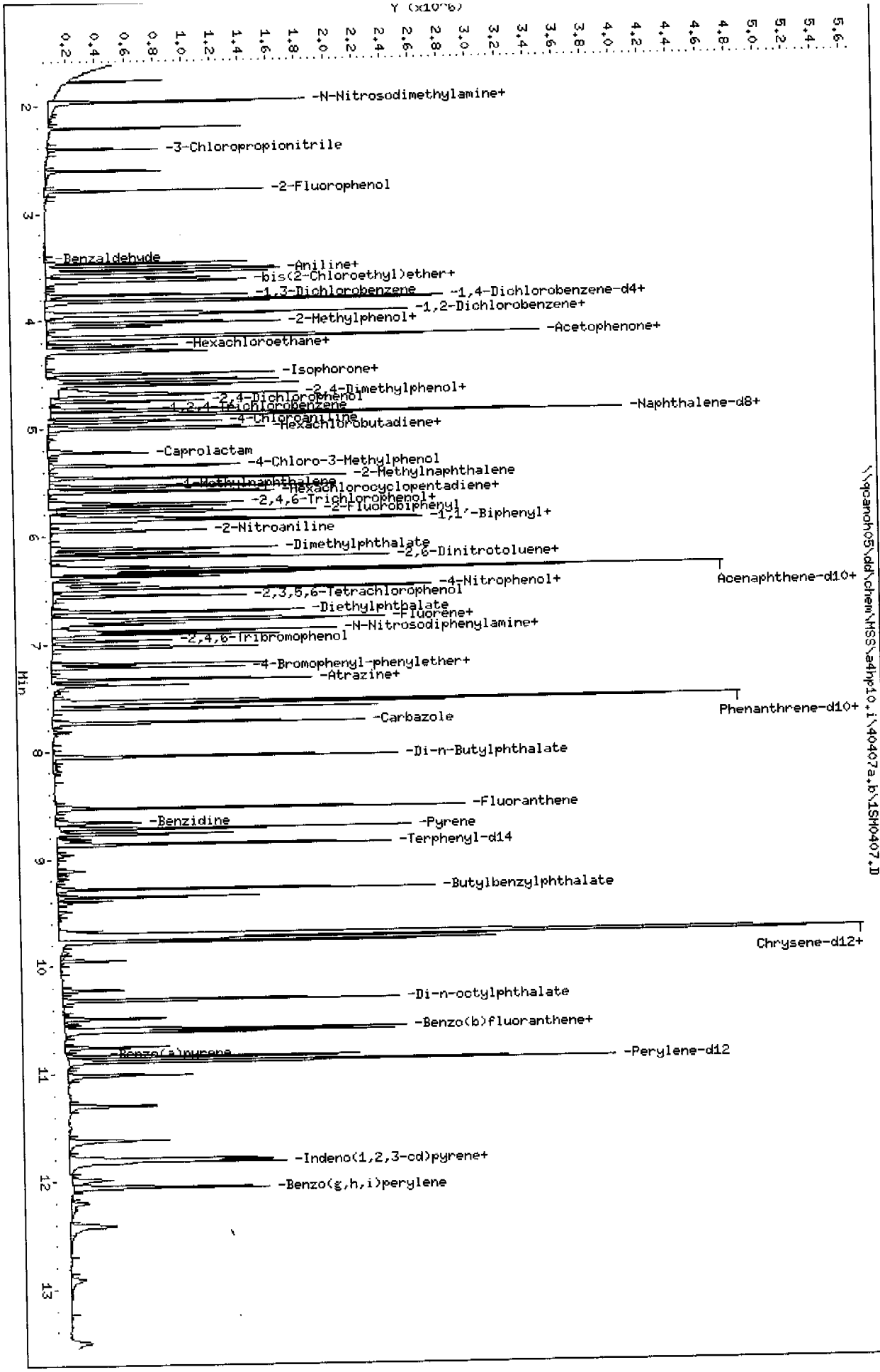
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SH0407.D
Date : 07-APR-2004 12:17
Client ID:
Sample Info: 14,40407a.b,8270p,3-827042,sub,1,,4

Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



Page 4

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SM0407.D
Report Date: 08-Apr-2004 06:35

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SM0407.D
Lab Smp Id: 14
Inj Date : 07-APR-2004 12:17 Inst ID: a4hp10.i
Operator : 046900
Smp Info : 14,40407a.b,8270p,3-827042.sub,1,,4
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:35 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 14:50 Cal File: 1AML0407.D
Calibration Sample, Level: 4
Als bottle: 7
Dil Factor: 1.00000 Compound Sublist: 3-827042.sub
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.814	3.814	(1.000)	332914	2.00000	
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	1439064	2.00000	
* 3 Acenaphthene-d10	164	6.320	6.320	(1.000)	803489	2.00000	
* 4 Phenanthrene-d10	188	7.538	7.538	(1.000)	1363316	2.00000	
* 5 Chrysene-d12	240	9.723	9.723	(1.000)	1317277	2.00000	
* 6 Perylene-d12	264	10.882	10.882	(1.000)	963768	2.00000	
198 1,4-Dioxane	88	1.779	1.779	(0.466)	129890	1.00000	1.1253(MH)
9 Pyridine	79	1.966	1.966	(0.515)	357502	1.00000	1.1614(QM)
10 N-Nitrosodimethylamine	74	1.966	1.966	(0.515)	238829	1.00000	1.0514
12 3-Chloropropionitrile	54	2.404	2.404	(0.630)	164766	1.00000	1.0876(Q)
209 Benzaldehyde	77	3.467	3.467	(0.909)	248188	1.00000	1.1027
21 Aniline	93	3.552	3.552	(0.931)	549967	1.00000	1.0252
22 Phenol	94	3.520	3.520	(0.923)	452756	1.00000	1.0594
23 bis(2-Chloroethyl)ether	93	3.606	3.606	(0.945)	314784	1.00000	1.0241
24 2-Chlorophenol	128	3.638	3.638	(0.954)	250112	1.00000	1.0483
26 1,3-Dichlorobenzene	146	3.761	3.761	(0.986)	246683	1.00000	1.0701
27 1,4-Dichlorobenzene	146	3.825	3.825	(1.003)	223992	1.00000	1.0723
28 1,2-Dichlorobenzene	146	3.948	3.948	(1.035)	237880	1.00000	1.0656
29 Benzyl Alcohol	108	3.932	3.932	(1.031)	227609	1.00000	1.0402
30 2-Methylphenol	108	4.017	4.017	(1.053)	310569	1.00000	1.0492
31 bis(2-Chloroisopropyl)ether	45	4.049	4.049	(1.062)	365875	1.00000	1.0050
37 Acetophenone	105	4.151	4.151	(1.088)	423732	1.00000	0.95104
32 N-Nitroso-di-n-propylamine	70	4.161	4.161	(1.091)	260981	1.00000	1.0286
192 4-Methylphenol	108	4.151	4.151	(1.088)	321388	1.00000	1.0510
34 Hexachloroethane	117	4.225	4.225	(1.108)	96695	1.00000	1.0379
35 Nitrobenzene	77	4.284	4.284	(0.880)	355665	1.00000	1.0099
41 Isophorone	82	4.493	4.493	(0.923)	652823	1.00000	1.0036
42 2-Nitrophenol	139	4.551	4.551	(0.935)	143983	1.00000	1.0258
43 2,4-Dimethylphenol	107	4.594	4.594	(0.944)	321958	1.00000	1.0181
44 bis(2-Chloroethoxy)methane	93	4.680	4.680	(0.962)	383193	1.00000	1.0147
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	4.557	4.557	(0.936)	206805	1.00000	1.0216
48 2,4-Dichlorophenol	162	4.749	4.749	(0.976)	204455	1.00000	1.0276

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.685	4.685	(0.963)	313134	2.00000	1.9941
50 1,2,4-Trichlorobenzene	180	4.818	4.818	(0.990)	203737	1.00000	1.0150
51 Naphthalene	128	4.883	4.883	(1.003)	740998	1.00000	1.0034
52 4-Chloroaniline	127	4.936	4.936	(1.014)	317358	1.00000	1.0306
56 Hexachlorobutadiene	225	4.995	4.995	(1.026)	104283	1.00000	1.0229
210 Caprolactam	113	5.219	5.219	(1.072)	103179	1.00000	1.0461
57 1,2,3-Trichlorobenzene	180	5.000	5.000	(1.027)	194470	1.00000	1.0307
59 4-Chloro-3-Methylphenol	107	5.342	5.342	(1.098)	281822	1.00000	1.0100
62 2-Methylnaphthalene	142	5.460	5.460	(1.122)	474831	1.00000	1.0001
63 1-Methylnaphthalene	142	5.540	5.540	(1.138)	464054	1.00000	1.0173
64 Hexachlorocyclopentadiene	237	5.593	5.593	(0.885)	107553	1.00000	1.0190
66 2,4,6-Trichlorophenol	196	5.695	5.695	(0.901)	165170	1.00000	1.0971
67 2,4,5-Trichlorophenol	196	5.721	5.721	(0.905)	145934	1.00000	0.98399
211 1,1'-Biphenyl	154	5.849	5.849	(0.926)	580414	1.00000	1.0448
68 1,2,3,5-Tetrachlorobenzene	216	5.588	5.588	(0.884)	182850	1.00000	1.0436
70 2-Chloronaphthalene	162	5.860	5.860	(0.927)	427046	1.00000	1.0372
73 2-Nitroaniline	65	5.951	5.951	(0.942)	179201	1.00000	0.98964
74 1,2,3,4-Tetrachlorobenzene	216	5.833	5.833	(0.923)	171436	1.00000	1.0267
76 Dimethylphthalate	163	6.117	6.117	(0.968)	491695	1.00000	1.0182
78 2,6-Dinitrotoluene	165	6.159	6.159	(0.975)	106048	1.00000	0.98734
79 Acenaphthylene	152	6.202	6.202	(0.981)	754474	1.00000	1.0324
80 1,2-Dinitrobenzene	168	6.197	6.197	(0.981)	57750	1.00000	1.0824(Q)
81 3-Nitroaniline	138	6.288	6.288	(0.995)	118594	1.00000	0.96651
82 Acenaphthene	153	6.346	6.346	(1.004)	459475	1.00000	1.0189
83 2,4-Dinitrophenol	184	6.378	6.378	(1.009)	131725	2.00000	1.9978
85 4-Nitrophenol	109	6.432	6.432	(1.018)	66593	1.00000	1.0285(Q)
86 Dibenzofuran	168	6.491	6.491	(1.027)	623201	1.00000	1.0364
87 2,4-Dinitrotoluene	165	6.485	6.485	(1.026)	156501	1.00000	1.0382
91 2,3,5,6-Tetrachlorophenol	232	6.555	6.555	(1.037)	132078	1.00000	1.0390
93 Diethylphthalate	149	6.699	6.699	(1.060)	520423	1.00000	1.0543
94 Fluorene	166	6.768	6.768	(1.071)	510799	1.00000	1.0392
95 4-Chlorophenyl-phenylether	204	6.784	6.784	(1.074)	234048	1.00000	1.0340
96 4-Nitroaniline	138	6.790	6.790	(1.074)	129363	1.00000	0.98658
98 4,6-Dinitro-2-methylphenol	198	6.816	6.816	(0.904)	96474	1.00000	1.0522
99 N-Nitrosodiphenylamine	169	6.881	6.881	(0.913)	381770	1.00000	1.0382
100 1,2-Diphenylhydrazine	77	6.913	6.913	(0.917)	712128	1.00000	1.0192
106 4-Bromophenyl-phenylether	248	7.185	7.185	(0.953)	127564	1.00000	1.0149
107 Hexachlorobenzene	284	7.217	7.217	(0.957)	134164	1.00000	1.0113
212 Atrazine	200	7.329	7.329	(0.972)	137443	1.00000	1.0322
111 Pentachlorophenol	266	7.383	7.383	(0.979)	97389	1.00000	0.98716
115 Phenanthrene	178	7.559	7.559	(1.003)	767909	1.00000	1.0156
116 Anthracene	178	7.602	7.602	(1.009)	752942	1.00000	1.0278
119 Carbazole	167	7.735	7.735	(1.026)	660976	1.00000	1.0110
120 Di-n-Butylphthalate	149	8.050	8.050	(1.068)	863966	1.00000	1.0329
123 Fluoranthene	202	8.531	8.531	(1.132)	776072	1.00000	1.0265
124 Benzidine	184	8.660	8.660	(0.891)	220487	1.00000	1.0252
125 Pyrene	202	8.718	8.718	(0.897)	810796	1.00000	1.0003
131 Butylbenzylphthalate	149	9.279	9.279	(0.954)	364150	1.00000	0.97492
133 3,3'-Dimethoxybenzidine	244	9.696	9.696	(0.997)	138827	1.00000	0.91809
135 3,3'-Dichlorobenzidine	252	9.701	9.701	(0.998)	269139	1.00000	0.98892
136 Benzo(a)Anthracene	228	9.712	9.712	(0.999)	795887	1.00000	1.0026
137 Chrysene	228	9.739	9.739	(1.002)	719533	1.00000	0.97667
138 4,4'-Methylene bis(o-chloroan	231	9.707	9.707	(0.998)	140276	1.00000	1.0093
139 bis(2-ethylhexyl)Phthalate	149	9.771	9.771	(1.005)	543036	1.00000	1.0008

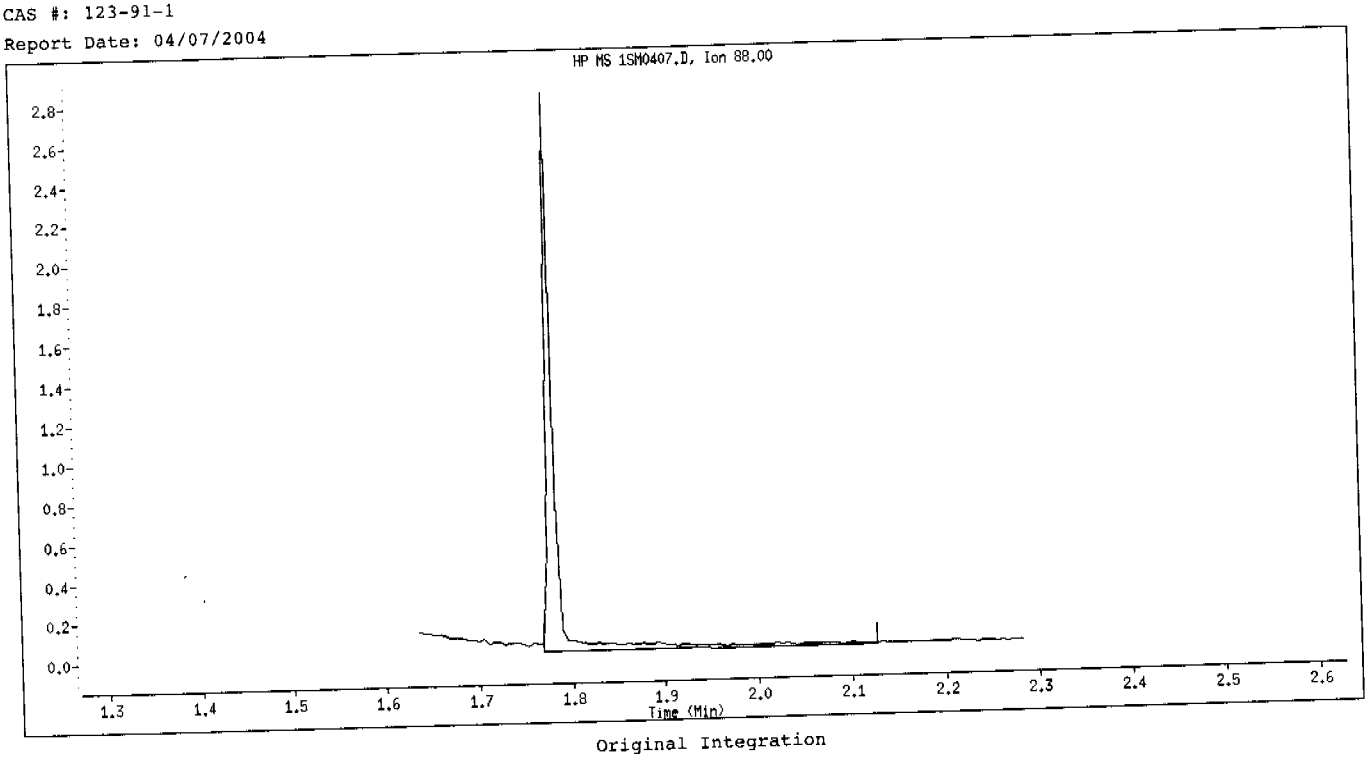
Data File: \\qcanoh05\dd\chem\MSS\a4np10.1\40407a.D\[illegible]
Report Date: 08-Apr-2004 06:35

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.310	10.310	(0.947)	868424	1.00000	1.0141
141 Benzo(b)fluoranthene	252	10.583	10.583	(0.973)	738441	1.00000	0.92652
142 Benzo(k)fluoranthene	252	10.609	10.609	(0.975)	826842	1.00000	1.0736
146 Benzo(a)pyrene	252	10.834	10.834	(0.996)	671685	1.00000	0.99620
149 Indeno(1,2,3-cd)pyrene	276	11.795	11.795	(1.084)	794617	1.00000	0.99220
150 Dibenz(a,h)anthracene	278	11.817	11.817	(1.086)	670457	1.00000	0.99936
151 Benzo(g,h,i)perylene	276	12.057	12.057	(1.108)	668395	1.00000	0.99650
$ 154 Nitrobenzene-d5	82	4.268	4.268	(0.877)	345935	1.00000	0.99329
$ 155 2-Fluorobiphenyl	172	5.775	5.775	(0.914)	508597	1.00000	1.0204
$ 156 Terphenyl-d14	244	8.863	8.863	(0.912)	529865	1.00000	1.0058
$ 157 Phenol-d5	99	3.510	3.510	(0.920)	399579	1.00000	1.0382
$ 158 2-Fluorophenol	112	2.788	2.788	(0.731)	295084	1.00000	1.1013
$ 159 2,4,6-Tribromophenol	330	6.966	6.966	(1.102)	65494	1.00000	1.0189
$ 186 2-Chlorophenol-d4	132	3.622	3.622	(0.950)	252607	1.00000	1.0636
$ 187 1,2-Dichlorobenzene-d4	152	3.937	3.937	(1.032)	144971	1.00000	1.0863
101 Diphenylamine	169	6.881	6.881	(0.913)	381770	1.00000	1.0382

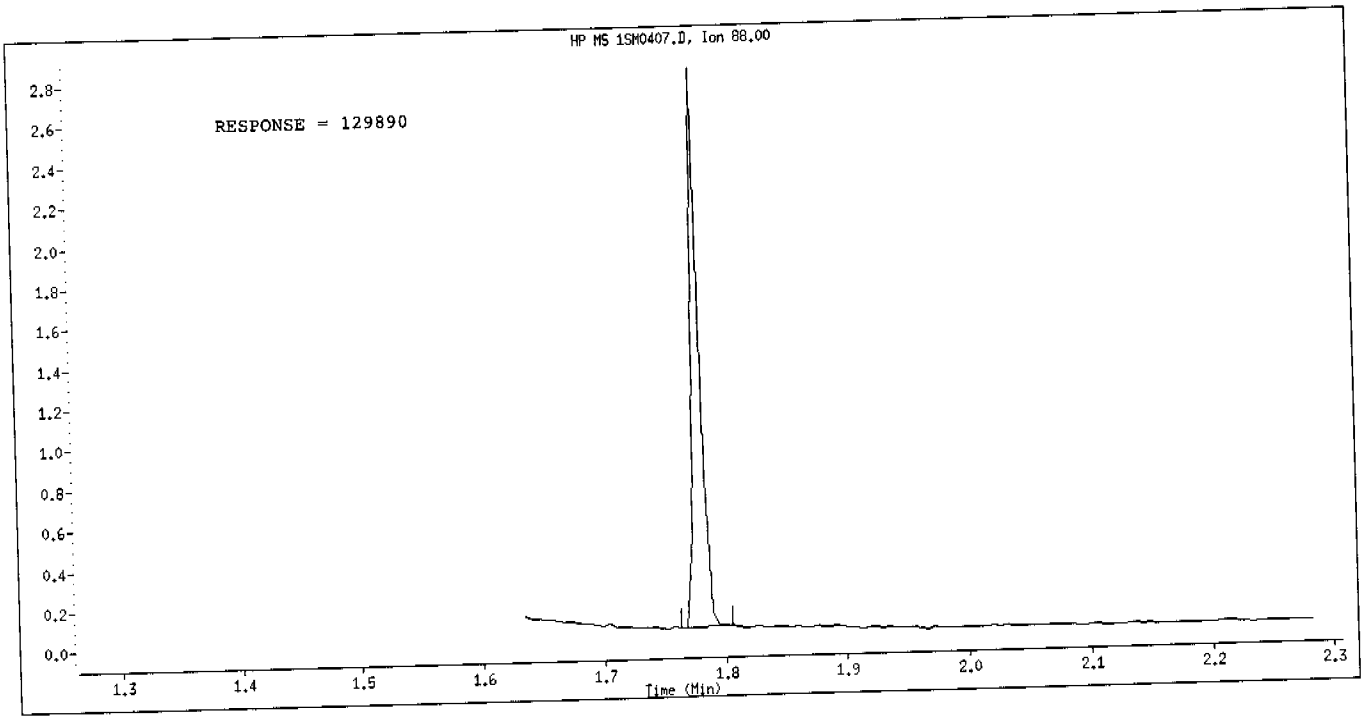
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: [illegible]
Inj. Date and Time: 07-APR-2004 12:17
Instrument ID: a4hp10.i
Client ID:
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/07/2004



Original Integration



Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 12:17
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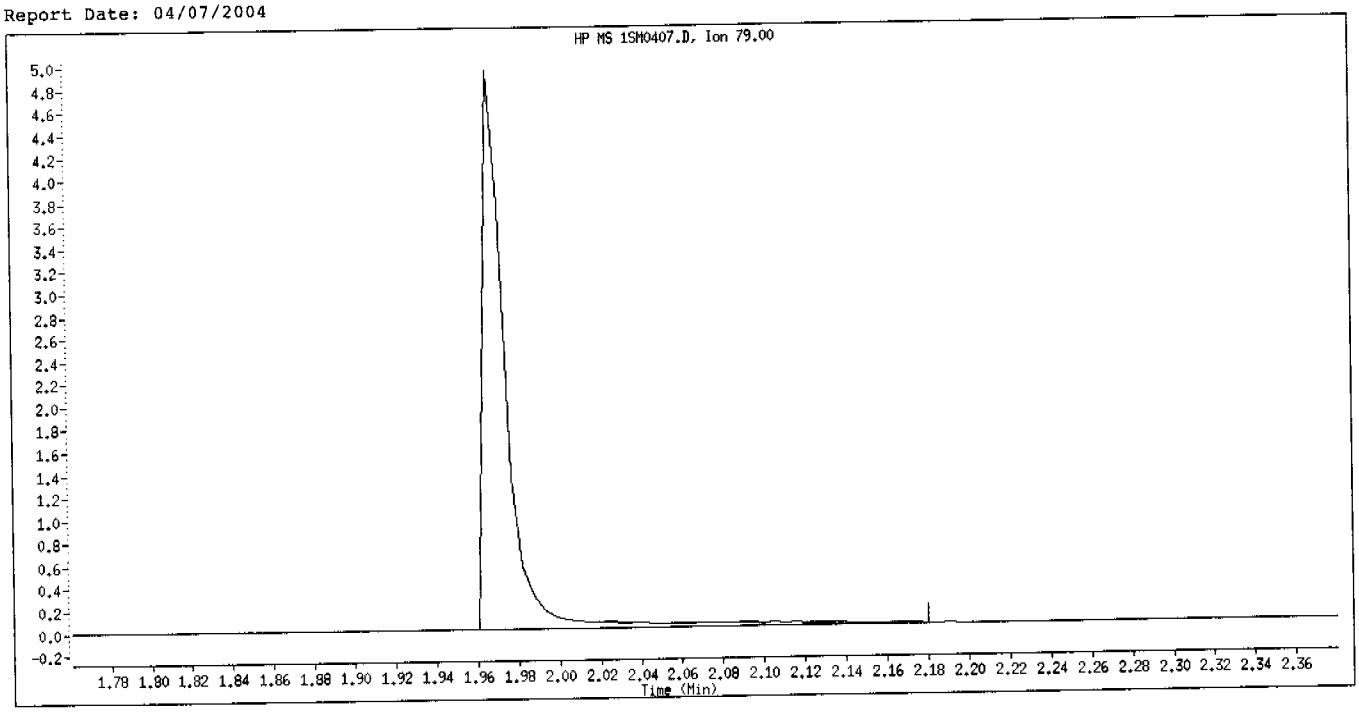
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/07/2004



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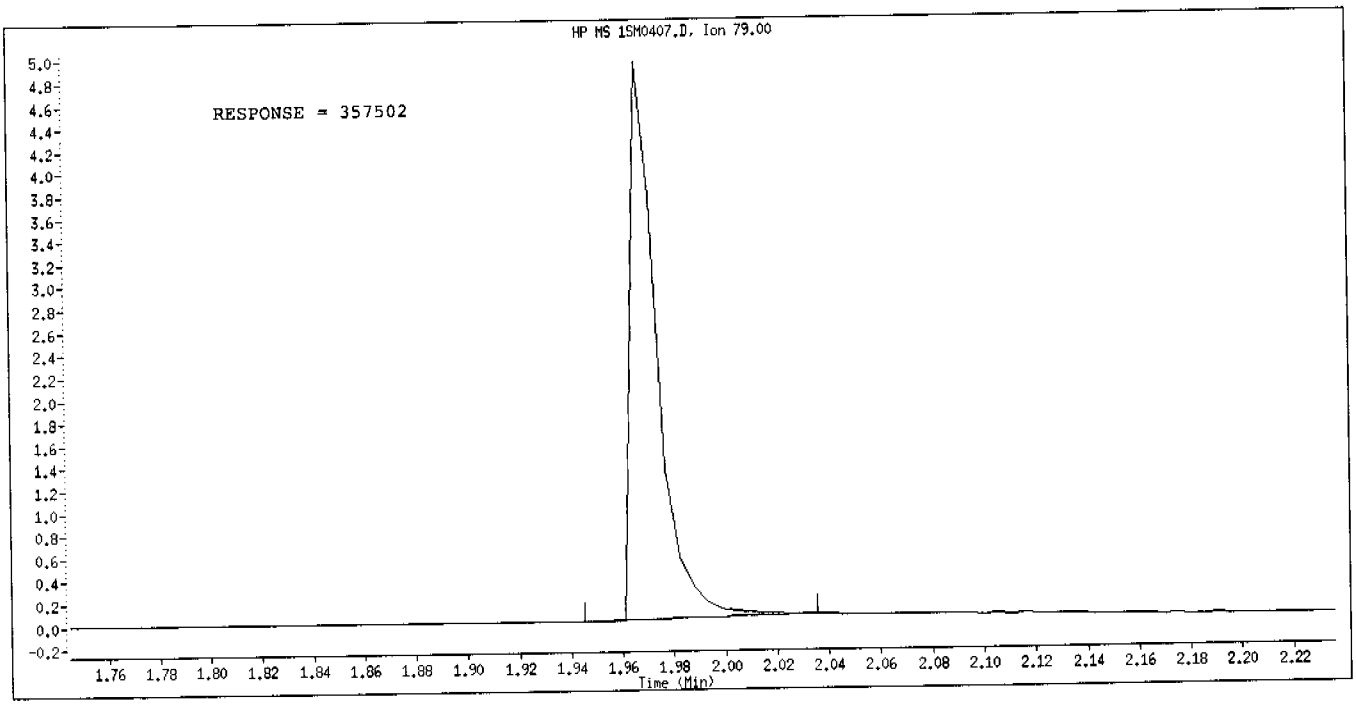

Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 12:17
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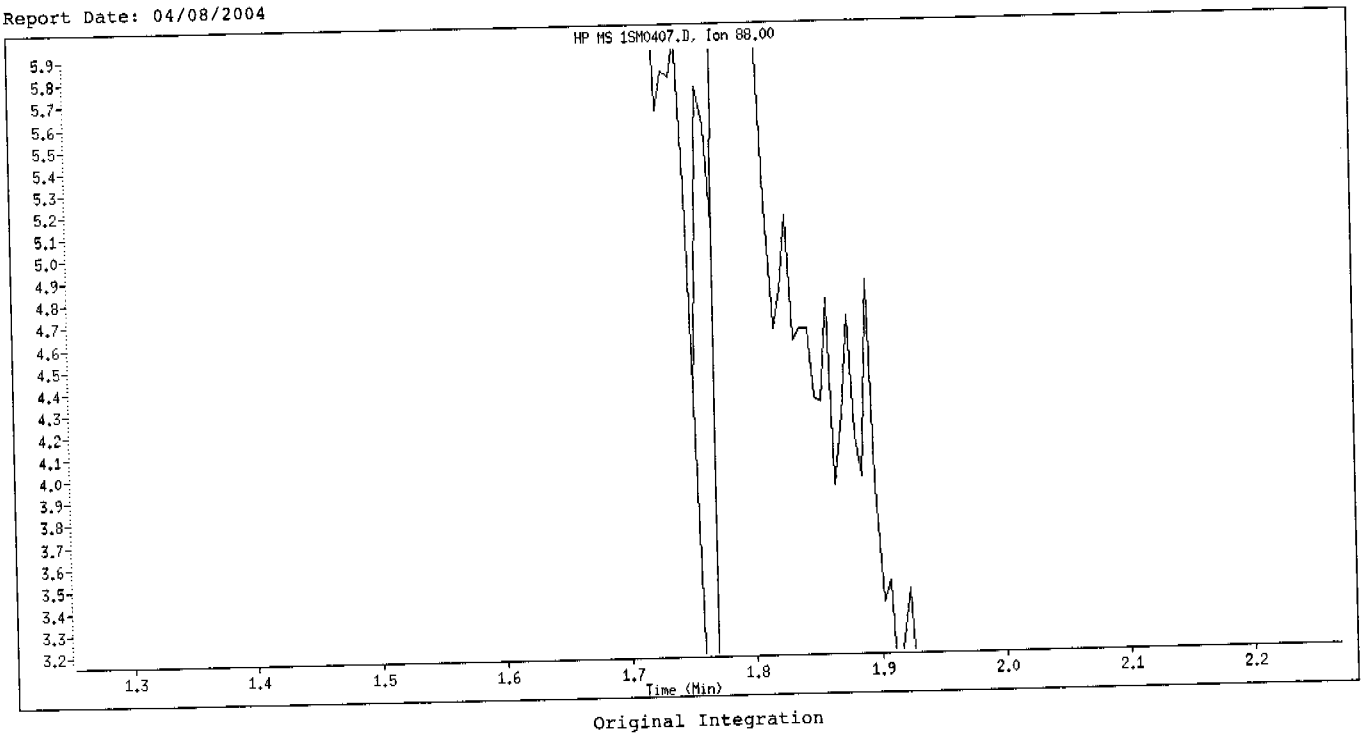
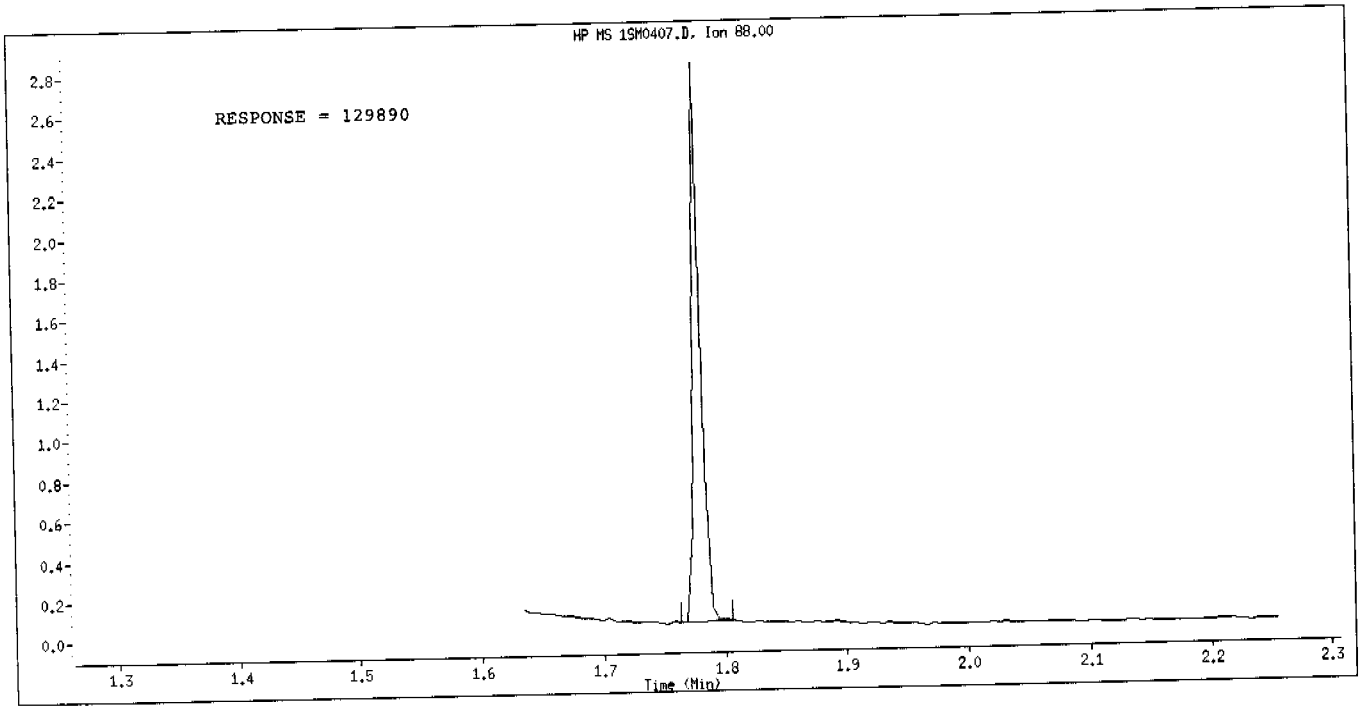
Client ID:
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/08/2004



Original Integration



Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

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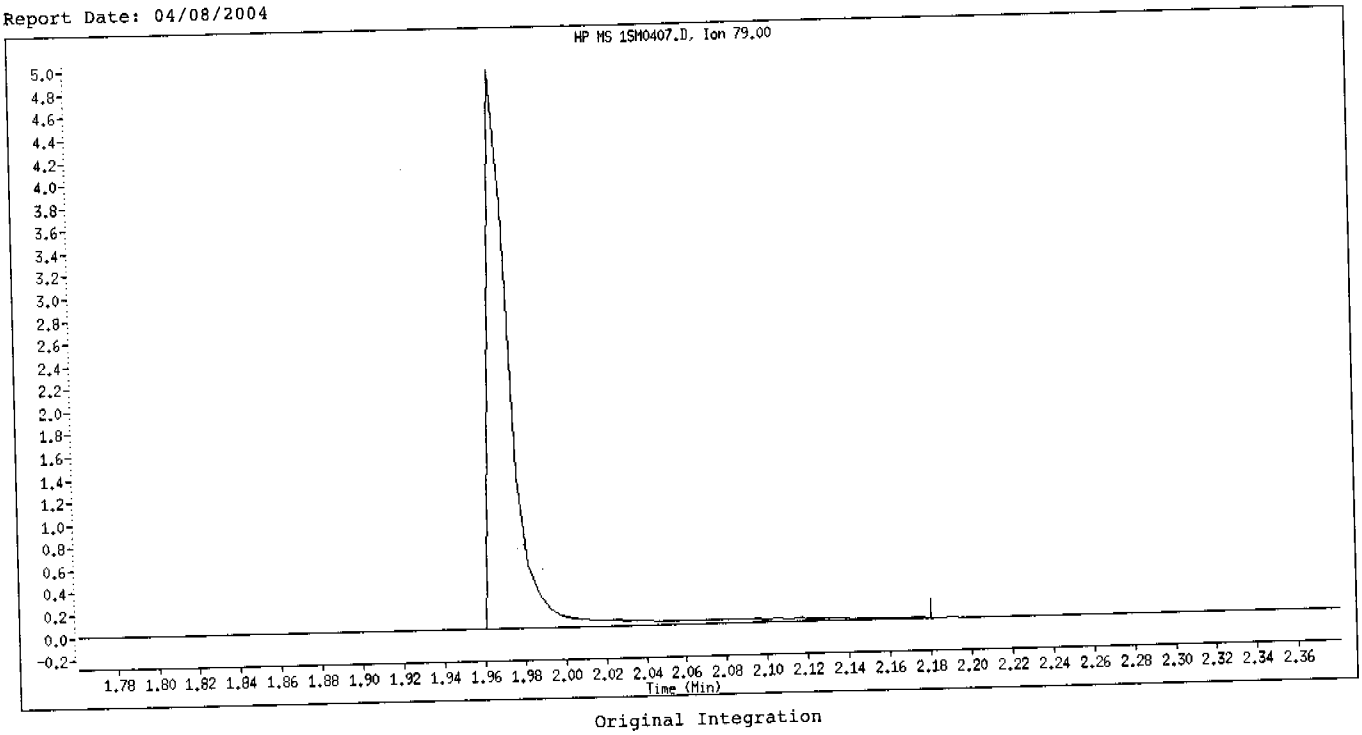
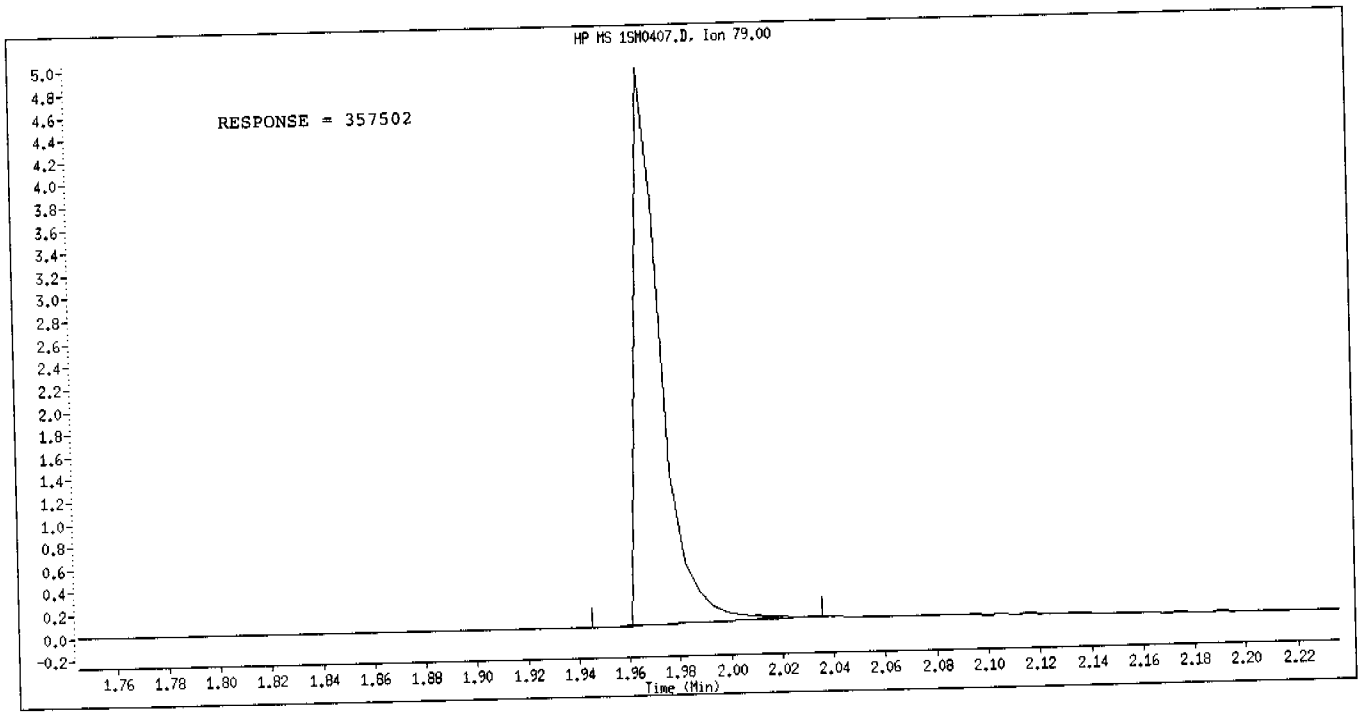
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/08/2004



Original Integration

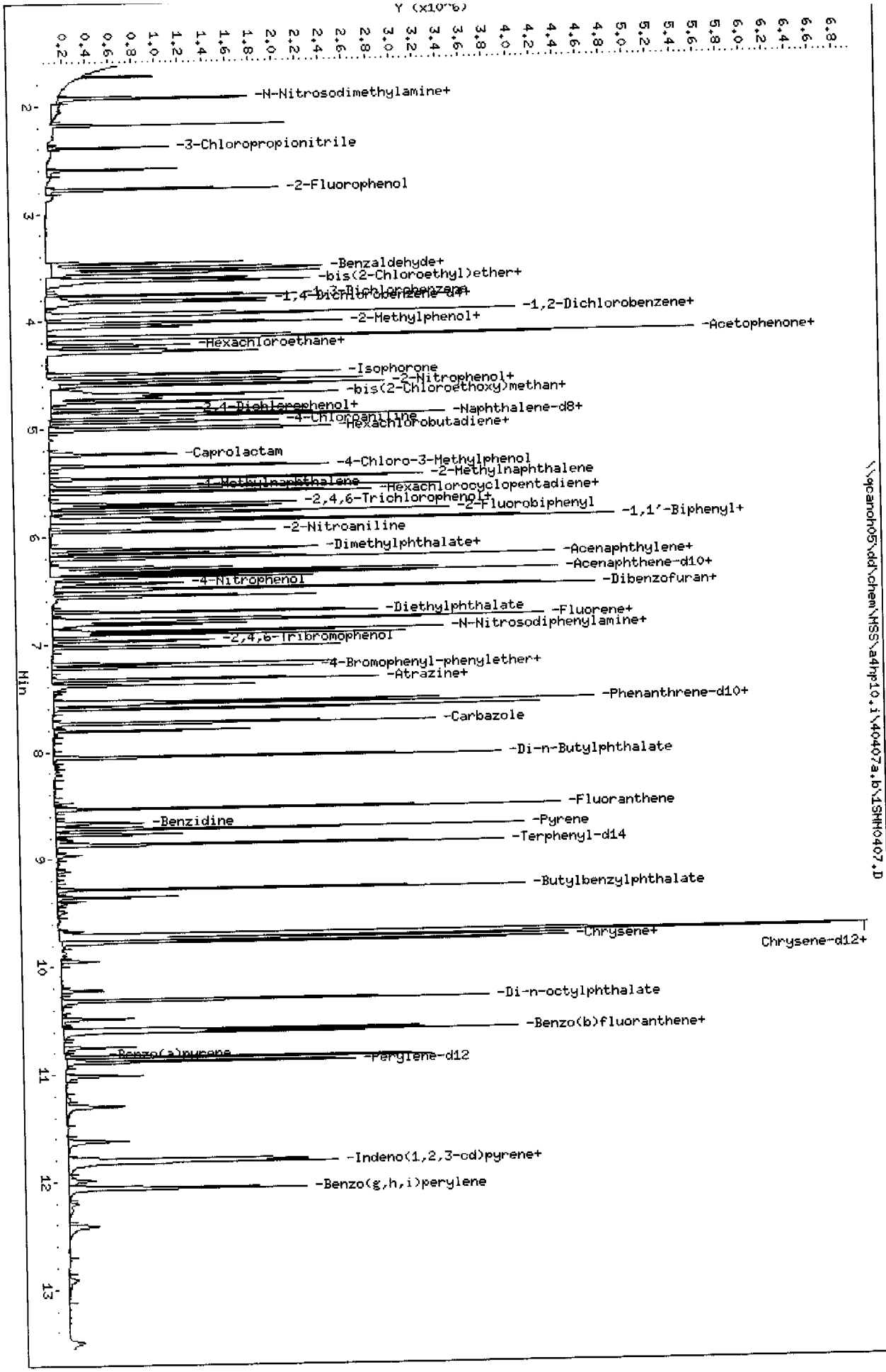


Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SMH0407.D
Date : 07-APR-2004 12:39
Client ID:
Sample Info: 15,40407a,b,8270p,3-827042,sub,1,,5
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SMM0407.D
Lab Smp Id: 15
Inj Date : 07-APR-2004 12:39
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 15,40407a.b,8270p,3-827042.sub,1,,5
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:36 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 15:12 Cal File: 1AM0407.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.809	3.809	(1.000)	197347	2.00000	(Q)
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	889194	2.00000	
* 3 Acenaphthene-d10	164	6.320	6.320	(1.000)	505482	2.00000	
* 4 Phenanthrene-d10	188	7.538	7.538	(1.000)	865756	2.00000	
* 5 Chrysene-d12	240	9.717	9.717	(1.000)	820801	2.00000	
* 6 Perylene-d12	264	10.882	10.882	(1.000)	602423	2.00000	
198 1,4-Dioxane	88	1.731	1.731	(0.454)	170339	2.50000	2.4894(M)
9 Pyridine	79	1.928	1.928	(0.506)	471673	2.50000	2.5848(M)
10 N-Nitrosodimethylamine	74	1.934	1.934	(0.508)	357562	2.50000	2.6554
12 3-Chloropropionitrile	54	2.388	2.388	(0.627)	255152	2.50000	2.8412
209 Benzaldehyde	77	3.462	3.462	(0.909)	346395	2.50000	2.5963
21 Aniline	93	3.547	3.547	(0.931)	779115	2.50000	2.4500
22 Phenol	94	3.520	3.520	(0.924)	641430	2.50000	2.5319
23 bis(2-Chloroethyl)ether	93	3.606	3.606	(0.947)	472406	2.50000	2.5928
24 2-Chlorophenol	128	3.633	3.633	(0.954)	363841	2.50000	2.5725
26 1,3-Dichlorobenzene	146	3.761	3.761	(0.987)	344592	2.50000	2.5217
27 1,4-Dichlorobenzene	146	3.825	3.825	(1.004)	320835	2.50000	2.5911
28 1,2-Dichlorobenzene	146	3.948	3.948	(1.036)	344680	2.50000	2.6047
29 Benzyl Alcohol	108	3.932	3.932	(1.032)	339295	2.50000	2.6159
30 2-Methylphenol	108	4.017	4.017	(1.055)	445965	2.50000	2.5416
31 bis(2-Chloroisopropyl)ether	45	4.049	4.049	(1.063)	572252	2.50000	2.6518
37 Acetophenone	105	4.151	4.151	(1.090)	654017	2.50000	2.5101
32 N-Nitroso-di-n-propylamine	70	4.162	4.162	(1.093)	387226	2.50000	2.5745
192 4-Methylphenol	108	4.151	4.151	(1.090)	496568	2.50000	2.7394
34 Hexachloroethane	117	4.220	4.220	(1.108)	138331	2.50000	2.5048
35 Nitrobenzene	77	4.284	4.284	(0.880)	549183	2.50000	2.5237
41 Isophorone	82	4.493	4.493	(0.923)	1016808	2.50000	2.5297
42 2-Nitrophenol	139	4.552	4.552	(0.935)	224545	2.50000	2.5892
43 2,4-Dimethylphenol	107	4.594	4.594	(0.944)	497461	2.50000	2.5458
44 bis(2-Chloroethoxy)methane	93	4.680	4.680	(0.962)	594328	2.50000	2.5469
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	4.557	4.557	(0.936)	318744	2.50000	2.5483
48 2,4-Dichlorophenol	162	4.749	4.749	(0.976)	315974	2.50000	2.5701

Data File: \\qcanoh05\dd\chem\MSS\a4np10.1\40407a.D\15AA04[illegible]
Report Date: 08-Apr-2004 06:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.712	4.712	(0.968)	577849	5.00000	5.2740
50 1,2,4-Trichlorobenzene	180	4.819	4.819	(0.990)	315622	2.50000	2.5447
51 Naphthalene	128	4.883	4.883	(1.003)	1143055	2.50000	2.5049
52 4-Chloroaniline	127	4.936	4.936	(1.014)	484502	2.50000	2.5463
56 Hexachlorobutadiene	225	4.995	4.995	(1.026)	158305	2.50000	2.5130
210 Caprolactam	113	5.235	5.235	(1.076)	157480	2.50000	2.5839
57 1,2,3-Trichlorobenzene	180	5.000	5.000	(1.027)	297067	2.50000	2.5482
59 4-Chloro-3-Methylphenol	107	5.348	5.348	(1.099)	444167	2.50000	2.5763
62 2-Methylnaphthalene	142	5.460	5.460	(1.122)	744780	2.50000	2.5387
63 1-Methylnaphthalene	142	5.540	5.540	(1.138)	709405	2.50000	2.5168
64 Hexachlorocyclopentadiene	237	5.593	5.593	(0.885)	167944	2.50000	2.5293
66 2,4,6-Trichlorophenol	196	5.695	5.695	(0.901)	234554	2.50000	2.4764
67 2,4,5-Trichlorophenol	196	5.727	5.727	(0.906)	247794	2.50000	2.6558
211 1,1'-Biphenyl	154	5.855	5.855	(0.926)	888181	2.50000	2.5414
68 1,2,3,5-Tetrachlorobenzene	216	5.588	5.588	(0.884)	277667	2.50000	2.5190
70 2-Chloronaphthalene	162	5.860	5.860	(0.927)	655773	2.50000	2.5316
73 2-Nitroaniline	65	5.951	5.951	(0.942)	283176	2.50000	2.4858
74 1,2,3,4-Tetrachlorobenzene	216	5.834	5.834	(0.923)	265165	2.50000	2.5244
76 Dimethylphthalate	163	6.117	6.117	(0.968)	761258	2.50000	2.5059
78 2,6-Dinitrotoluene	165	6.160	6.160	(0.975)	173034	2.50000	2.5608
79 Acenaphthylene	152	6.202	6.202	(0.981)	1148715	2.50000	2.4984
80 1,2-Dinitrobenzene	168	6.197	6.197	(0.981)	89972	2.50000	2.6806
81 3-Nitroaniline	138	6.293	6.293	(0.996)	183106	2.50000	2.3720
82 Acenaphthene	153	6.347	6.347	(1.004)	705938	2.50000	2.4883
83 2,4-Dinitrophenol	184	6.379	6.379	(1.009)	233077	5.00000	4.9426
85 4-Nitrophenol	109	6.432	6.432	(1.018)	112707	2.50000	2.4102
86 Dibenzofuran	168	6.491	6.491	(1.027)	963785	2.50000	2.5478
87 2,4-Dinitrotoluene	165	6.485	6.485	(1.026)	251321	2.50000	2.6502
91 2,3,5,6-Tetrachlorophenol	232	6.555	6.555	(1.037)	200794	2.50000	2.5108
93 Diethylphthalate	149	6.704	6.704	(1.061)	780872	2.50000	2.5146
94 Fluorene	166	6.774	6.774	(1.072)	790861	2.50000	2.5576
95 4-Chlorophenyl-phenylether	204	6.785	6.785	(1.074)	367565	2.50000	2.5813
96 4-Nitroaniline	138	6.790	6.790	(1.074)	207028	2.50000	2.5097
98 4,6-Dinitro-2-methylphenol	198	6.817	6.817	(0.904)	154823	2.50000	2.4067
99 N-Nitrosodiphenylamine	169	6.881	6.881	(0.913)	570256	2.50000	2.4421
100 1,2-Diphenylhydrazine	77	6.913	6.913	(0.917)	1093218	2.50000	2.4638
106 4-Bromophenyl-phenylether	248	7.185	7.185	(0.953)	205089	2.50000	2.5694
107 Hexachlorobenzene	284	7.217	7.217	(0.957)	208203	2.50000	2.4714
212 Atrazine	200	7.330	7.330	(0.972)	215848	2.50000	2.5526
111 Pentachlorophenol	266	7.383	7.383	(0.979)	154960	2.50000	2.4734
115 Phenanthrene	178	7.559	7.559	(1.003)	1186829	2.50000	2.4716
116 Anthracene	178	7.602	7.602	(1.009)	1167376	2.50000	2.5093
119 Carbazole	167	7.736	7.736	(1.026)	1019368	2.50000	2.4552
120 Di-n-Butylphthalate	149	8.051	8.051	(1.068)	1334590	2.50000	2.5125
123 Fluoranthene	202	8.532	8.532	(1.132)	1207411	2.50000	2.5150
124 Benzidine	184	8.660	8.660	(0.891)	258673	2.50000	1.5334
125 Pyrene	202	8.718	8.718	(0.897)	1237742	2.50000	2.4507
131 Butylbenzylphthalate	149	9.279	9.279	(0.955)	569923	2.50000	2.4487
133 3,3'-Dimethoxybenzidine	244	9.696	9.696	(0.998)	220607	2.50000	2.3414
135 3,3'-Dichlorobenzidine	252	9.701	9.701	(0.998)	426222	2.50000	2.5134
136 Benzo(a)Anthracene	228	9.712	9.712	(0.999)	1184728	2.50000	2.3950
137 Chrysene	228	9.739	9.739	(1.002)	1096382	2.50000	2.3884
138 4,4'-Methylene bis(o-chloroan	231	9.707	9.707	(0.999)	212082	2.50000	2.4490
139 bis(2-ethylhexyl)Phthalate	149	9.771	9.771	(1.005)	841931	2.50000	2.4903

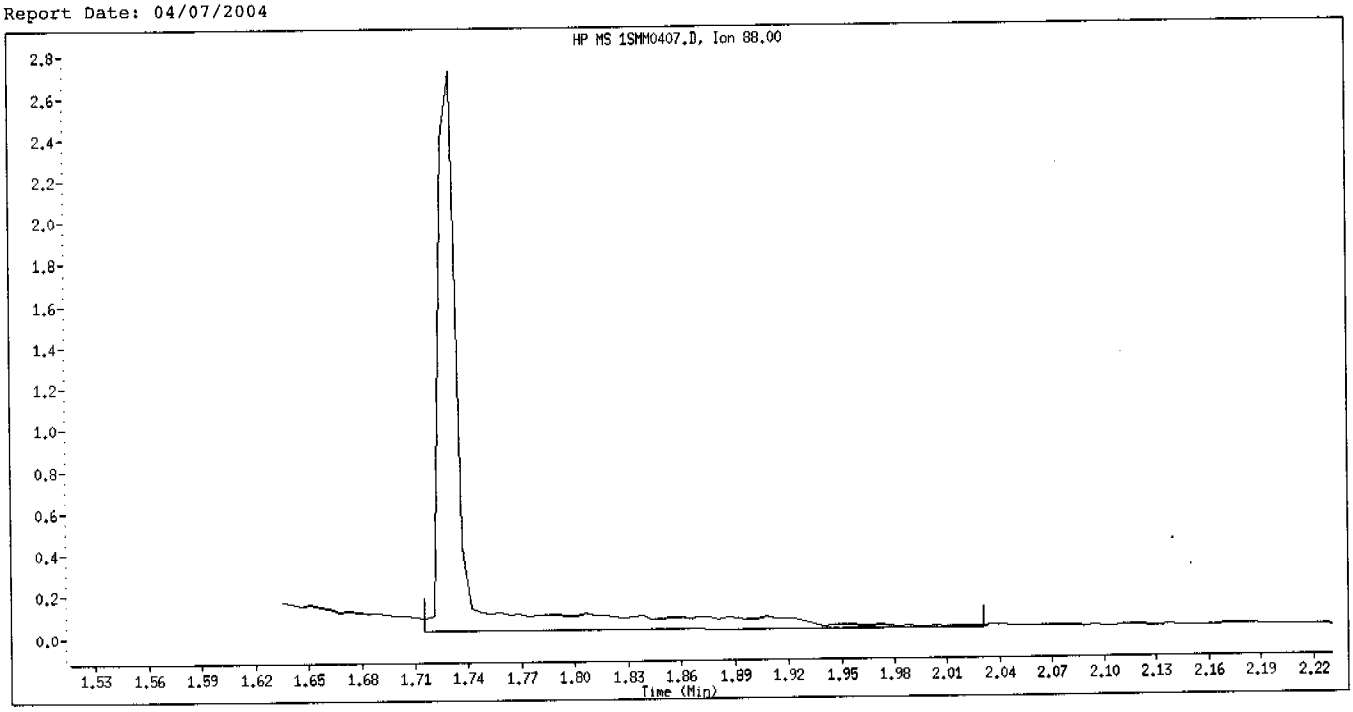
Data File: \\qcanoh05\dd\chem\MSS\a4np10.i\40407a.D\[illegible]
Report Date: 08-Apr-2004 06:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.310	10.310	(0.947)	1341423	2.50000	2.5060
141 Benzo(b)fluoranthene	252	10.588	10.588	(0.973)	1212554	2.50000	2.4340
142 Benzo(k)fluoranthene	252	10.610	10.610	(0.975)	1187441	2.50000	2.4666
146 Benzo(a)pyrene	252	10.839	10.839	(0.996)	1045477	2.50000	2.4807
149 Indeno(1,2,3-cd)pyrene	276	11.796	11.796	(1.084)	1212442	2.50000	2.4220
150 Dibenz(a,h)anthracene	278	11.822	11.822	(1.086)	1043396	2.50000	2.4881
151 Benzo(g,h,i)perylene	276	12.063	12.063	(1.108)	1034543	2.50000	2.4675
$ 154 Nitrobenzene-d5	82	4.268	4.268	(0.877)	543981	2.50000	2.5278
$ 155 2-Fluorobiphenyl	172	5.775	5.775	(0.914)	790253	2.50000	2.5203
$ 156 Terphenyl-d14	244	8.863	8.863	(0.912)	811869	2.50000	2.4732
$ 157 Phenol-d5	99	3.510	3.510	(0.921)	578810	2.50000	2.5370
$ 158 2-Fluorophenol	112	2.773	2.773	(0.728)	450875	2.50000	2.8388
$ 159 2,4,6-Tribromophenol	330	6.966	6.966	(1.102)	103465	2.50000	2.5586
$ 186 2-Chlorophenol-d4	132	3.622	3.622	(0.951)	358351	2.50000	2.5453
$ 187 1,2-Dichlorobenzene-d4	152	3.932	3.932	(1.032)	208106	2.50000	2.6307
101 Diphenylamine	169	6.881	6.881	(0.913)	570256	2.50000	2.4421

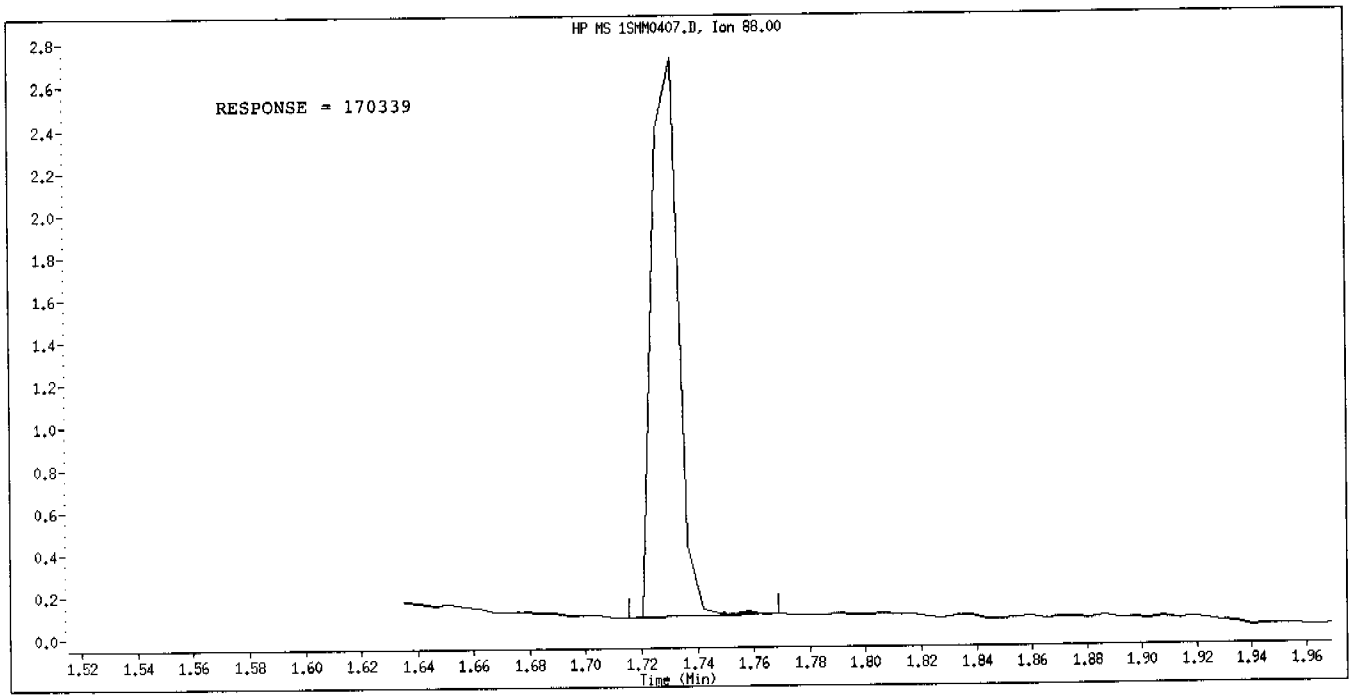
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Inj. Date and Time: 07-APR-2004 12:39
Instrument ID: a4hp10.i
Client ID:
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/07/2004



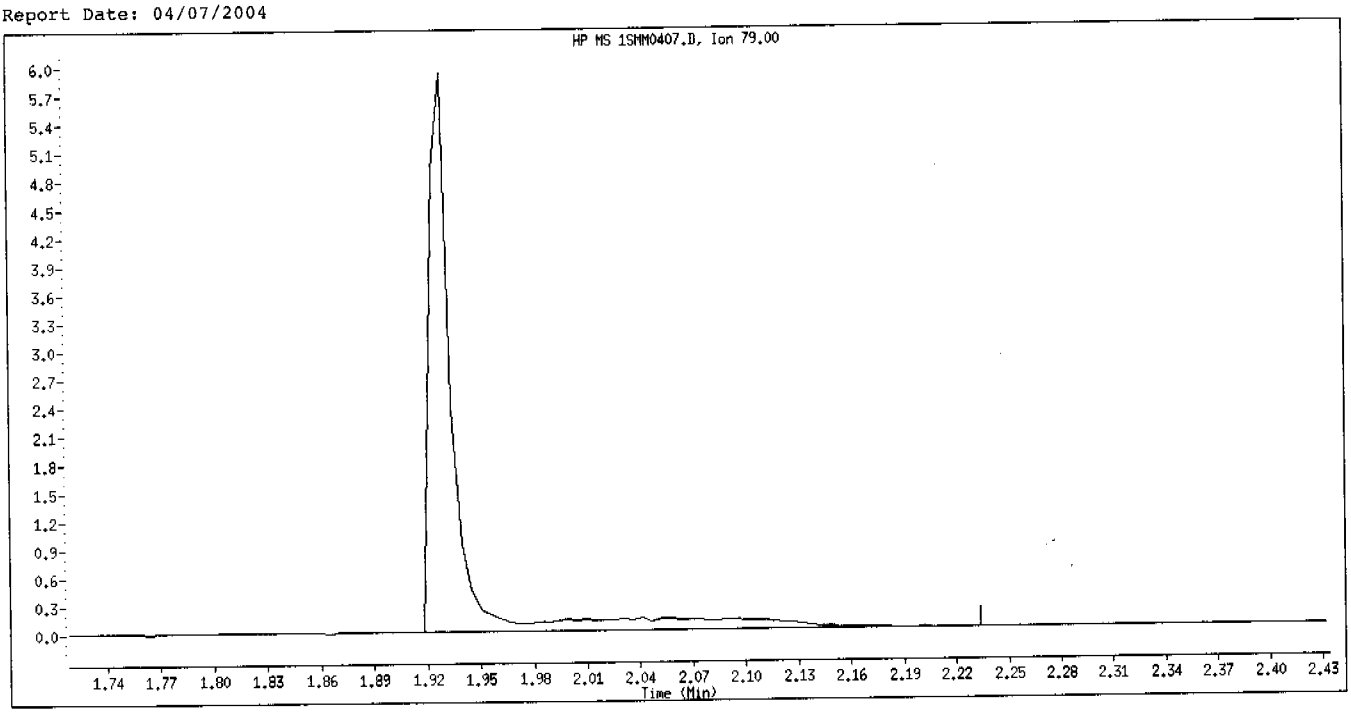
Original Integration



Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 12:39
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/07/2004



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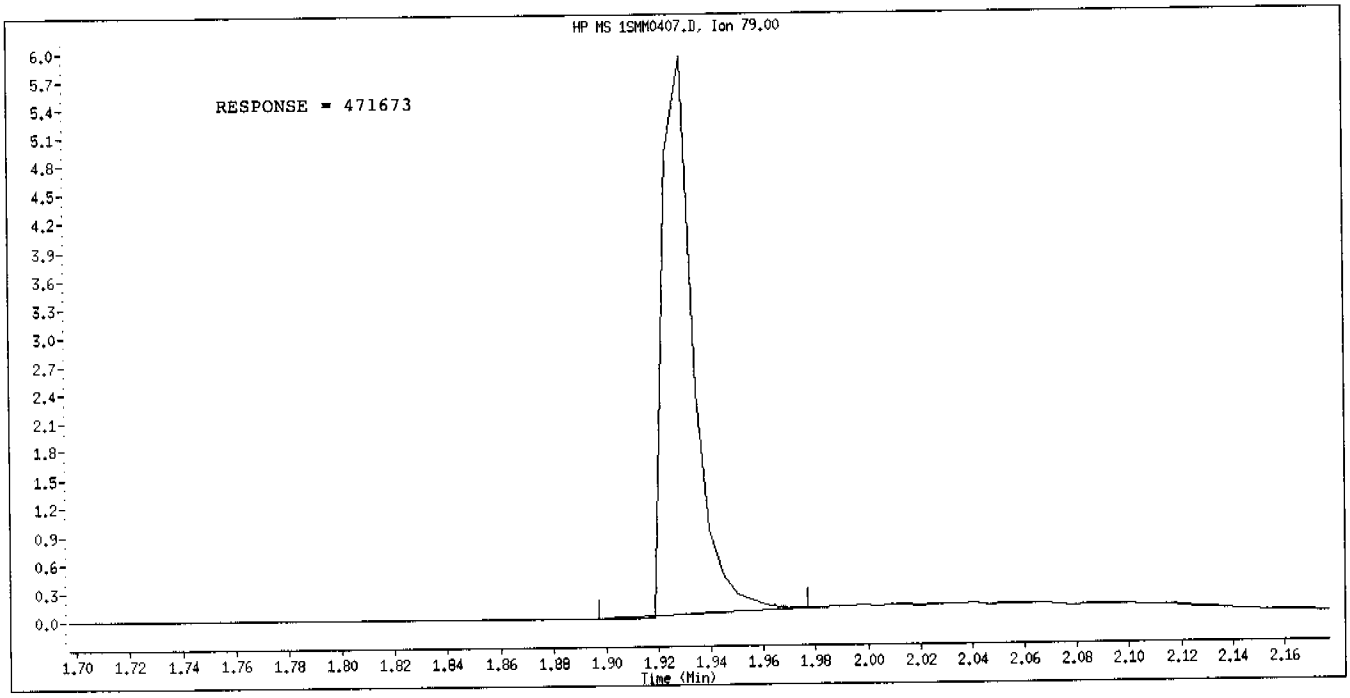
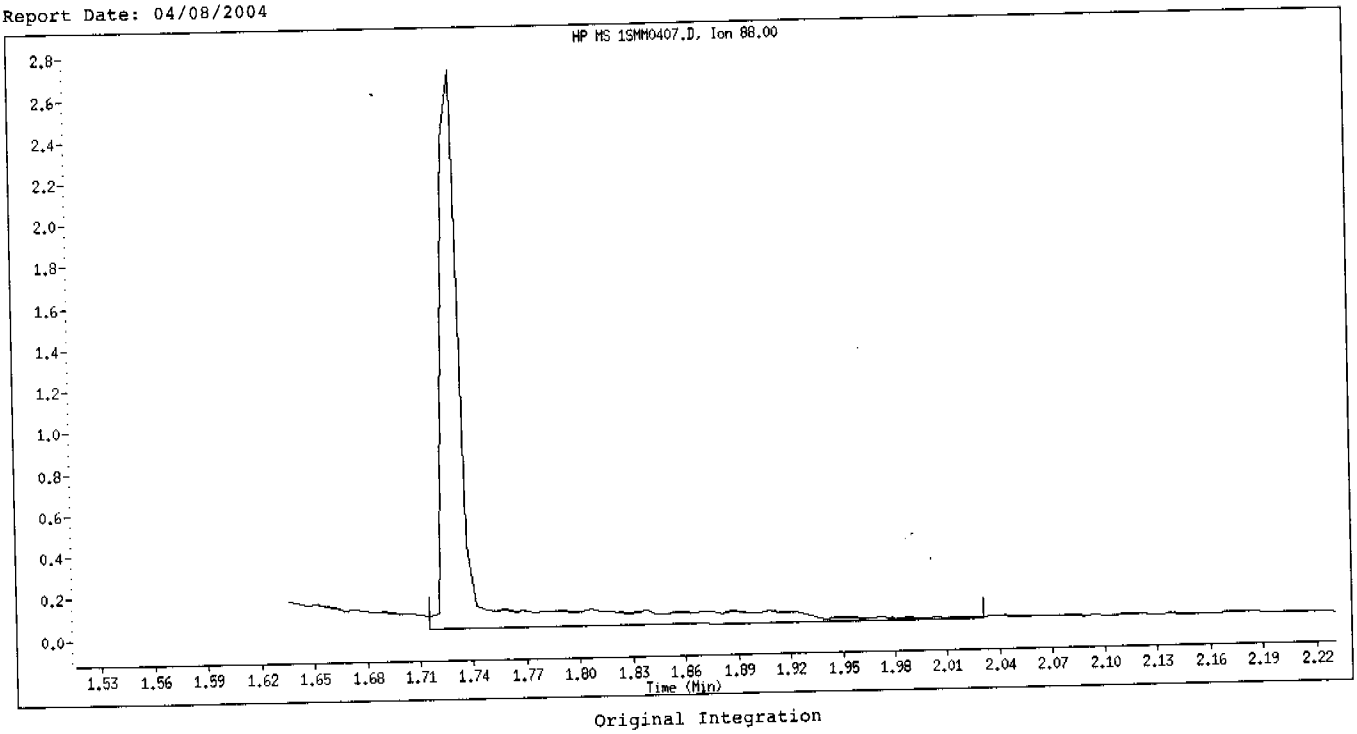


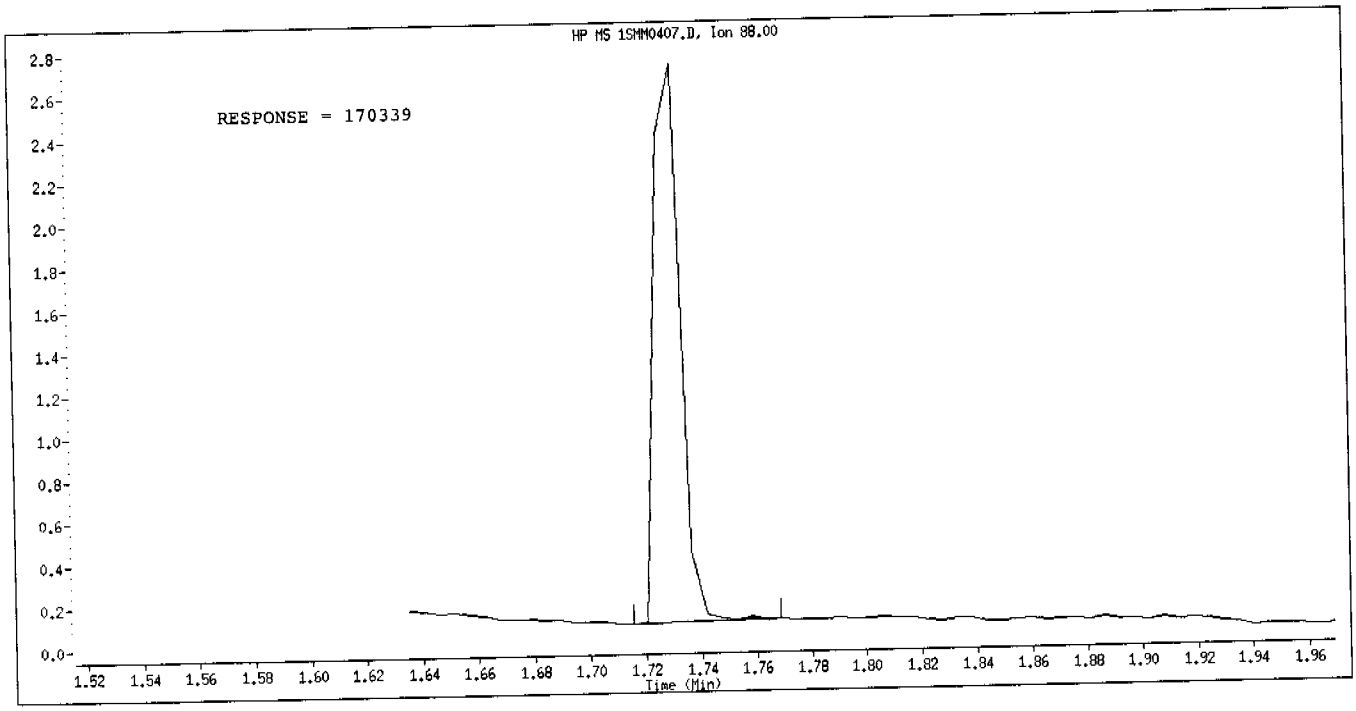
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Inj. Date and Time: 07-APR-2004 12:39
Instrument ID: a4hp10.i
Client ID:
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/08/2004



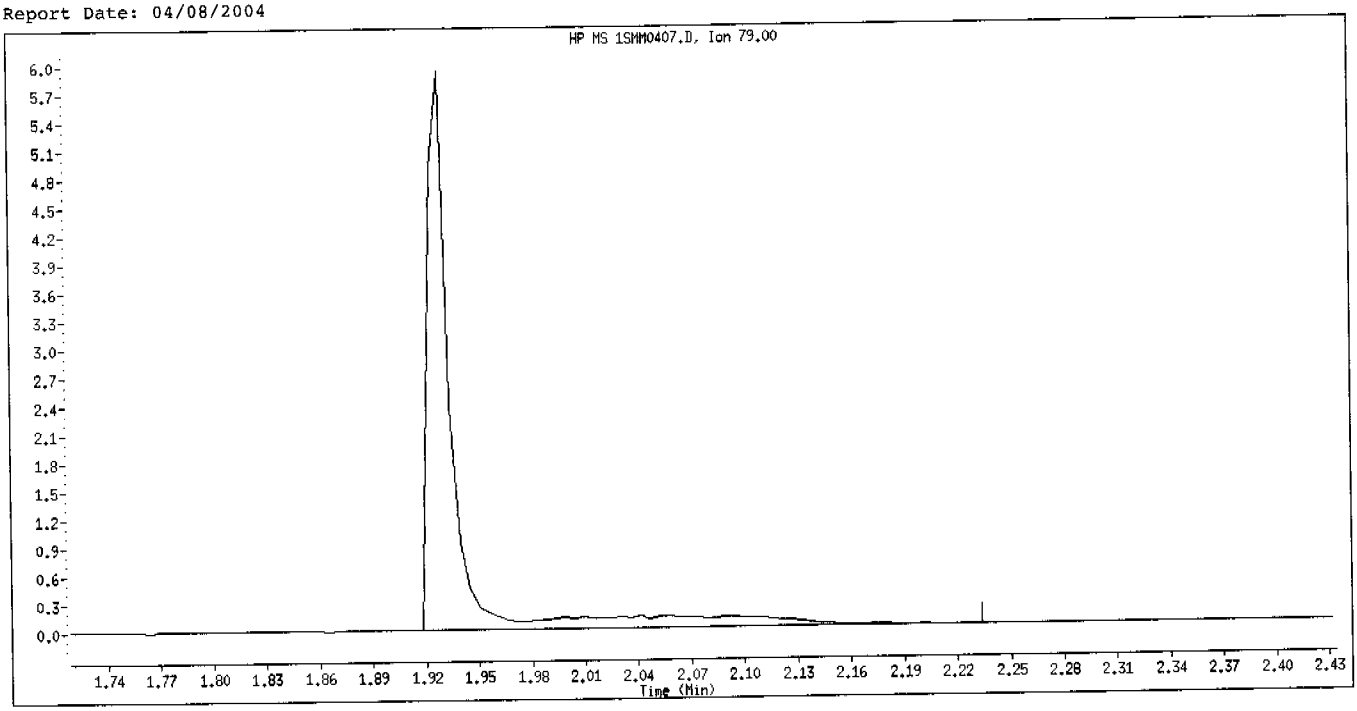
Original Integration



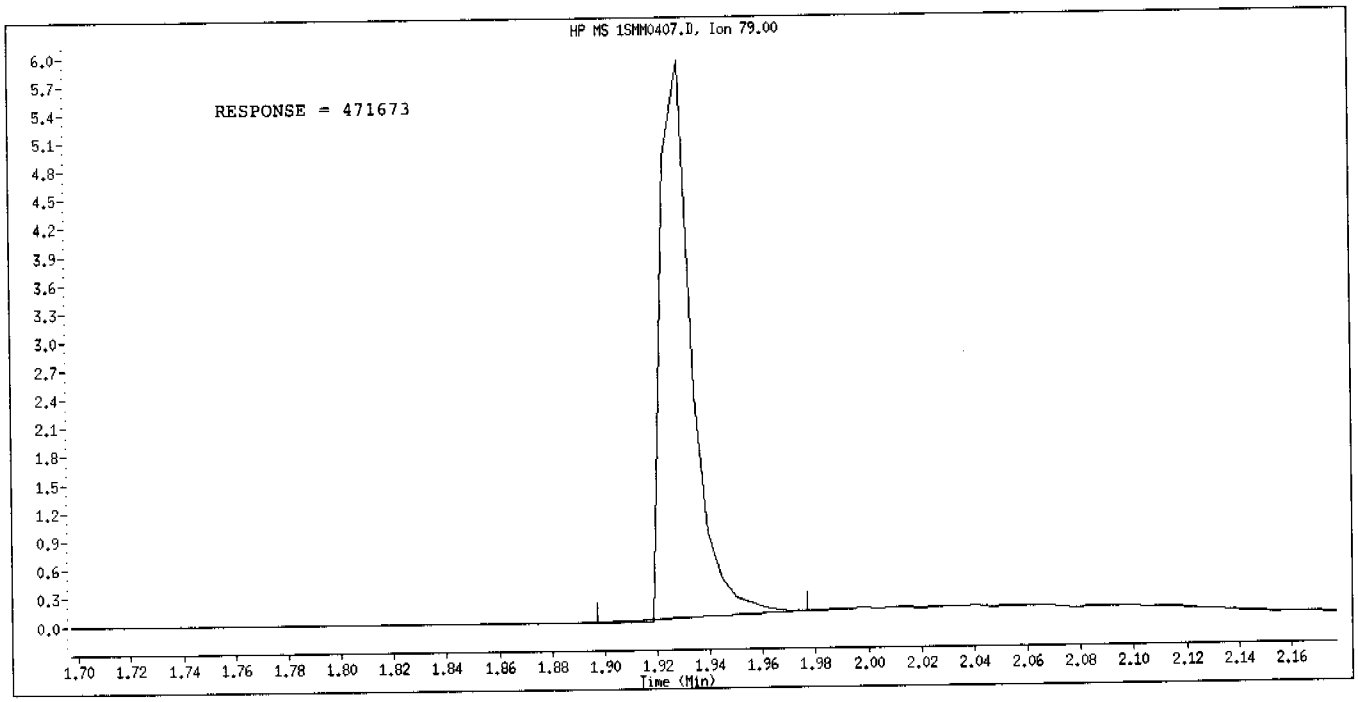
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 12:39
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/08/2004



Original Integration

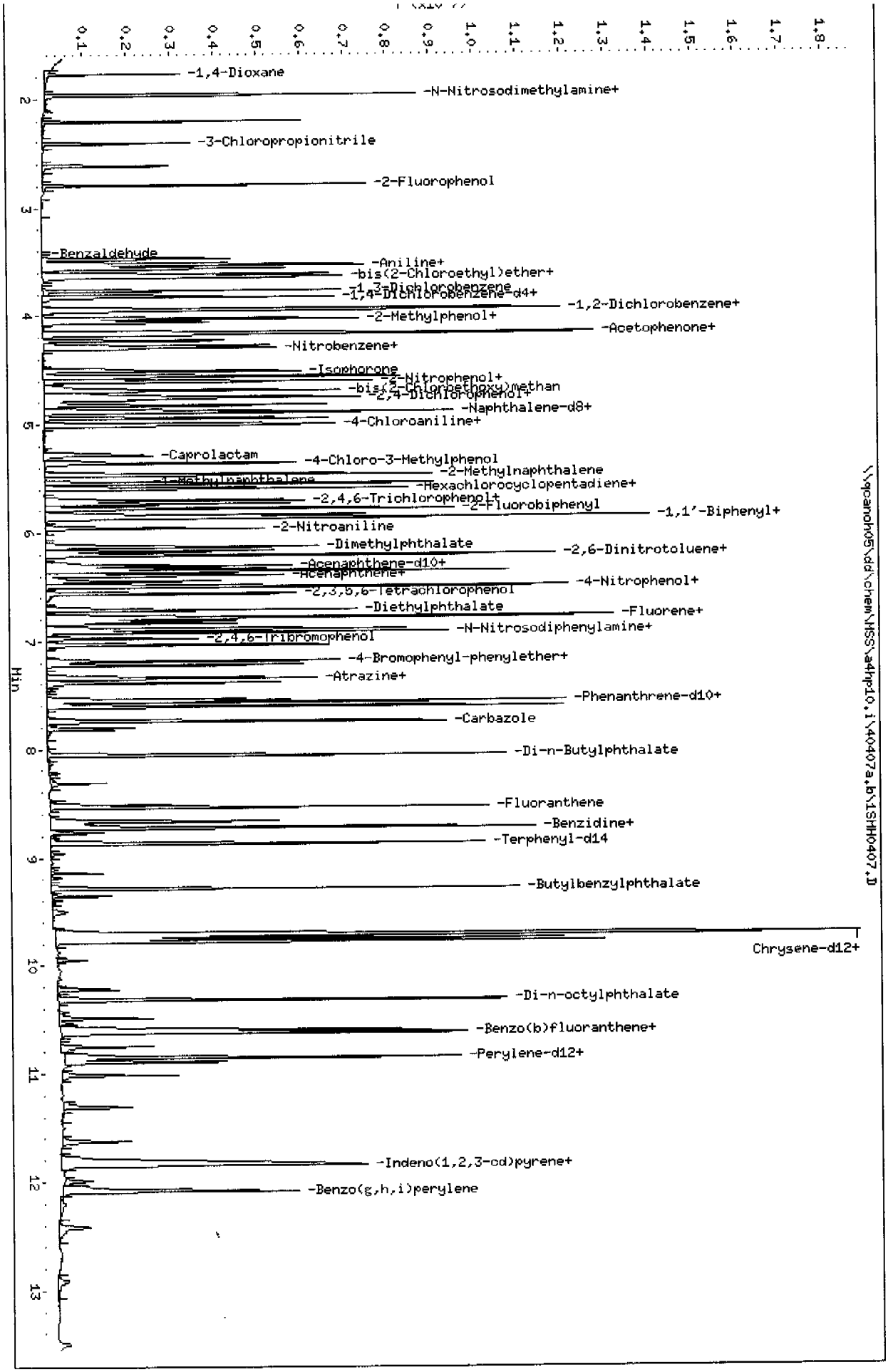


Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanch05\dd\chem\MSS\a4hp10.i\40407a.b\1SHH0407.D
Date : 07-APR-2004 10:28
Client ID:
Sample Info: 16,40407a.b,8270p,3-827042.sub,2
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



Page 4

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SMH0407.D
Lab Smp Id: 16
Inj Date : 07-APR-2004 10:28
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 16,40407a.b,8270p,3-827042.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:36 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 15:33 Cal File: 1AMM0407.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.814	3.814	(1.000)	367469	2.00000	
* 2 Naphthalene-d8	136	4.872	4.872	(1.000)	1509295	2.00000	
* 3 Acenaphthene-d10	164	6.325	6.325	(1.000)	849056	2.00000	
* 4 Phenanthrene-d10	188	7.543	7.543	(1.000)	1450705	2.00000	
* 5 Chrysene-d12	240	9.728	9.728	(1.000)	1207774	2.00000	
* 6 Perylene-d12	264	10.887	10.887	(1.000)	1027357	2.00000	
198 1,4-Dioxane	88	1.773	1.773	(0.465)	663082	5.00000	5.2042
9 Pyridine	79	1.960	1.960	(0.514)	1756121	5.00000	5.1684(QMH)
10 N-Nitrosodimethylamine	74	1.966	1.966	(0.515)	1172195	5.00000	4.6750
12 3-Chloropropionitrile	54	2.414	2.414	(0.633)	799333	5.00000	4.7801(Q)
209 Benzaldehyde	77	3.472	3.472	(0.910)	1081055	5.00000	4.3515
21 Aniline	93	3.563	3.563	(0.934)	2951328	5.00000	4.9843
22 Phenol	94	3.536	3.536	(0.927)	2395088	5.00000	5.0772
23 bis(2-Chloroethyl)ether	93	3.616	3.616	(0.948)	1630009	5.00000	4.8045
24 2-Chlorophenol	128	3.643	3.643	(0.955)	1300692	5.00000	4.9389
26 1,3-Dichlorobenzene	146	3.766	3.766	(0.987)	1256037	5.00000	4.9362
27 1,4-Dichlorobenzene	146	3.830	3.830	(1.004)	1139374	5.00000	4.9418
28 1,2-Dichlorobenzene	146	3.953	3.953	(1.036)	1175082	5.00000	4.7690
29 Benzyl Alcohol	108	3.942	3.942	(1.034)	1121423	5.00000	4.6433
30 2-Methylphenol	108	4.028	4.028	(1.056)	1607553	5.00000	4.9202
31 bis(2-Chloroisopropyl)ether	45	4.055	4.055	(1.063)	1866789	5.00000	4.6458
37 Acetophenone	105	4.161	4.161	(1.091)	2150827	5.00000	4.4596
32 N-Nitroso-di-n-propylamine	70	4.177	4.177	(1.095)	1346404	5.00000	4.8075(Q)
192 4-Methylphenol	108	4.167	4.167	(1.092)	1198643	5.00000	3.5512
34 Hexachloroethane	117	4.225	4.225	(1.108)	519834	5.00000	5.0550
35 Nitrobenzene	77	4.295	4.295	(0.882)	1861132	5.00000	5.0387
41 Isophorone	82	4.509	4.509	(0.925)	3492862	5.00000	5.1196
42 2-Nitrophenol	139	4.557	4.557	(0.935)	753958	5.00000	5.1218
43 2,4-Dimethylphenol	107	4.605	4.605	(0.945)	1677257	5.00000	5.0570
44 bis(2-Chloroethoxy)methane	93	4.690	4.690	(0.963)	2024292	5.00000	5.1108
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	4.562	4.562	(0.936)	1036008	5.00000	4.8797
48 2,4-Dichlorophenol	162	4.754	4.754	(0.976)	1057206	5.00000	5.0661

Data File: \\qcanoh05\dd\chem\MSS\a4np10.1\40407a.D\[illegible]
Report Date: 08-Apr-2004 06:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.776	4.776	(0.980)	1710578	10.0000	9.1285(QM)
50 1,2,4-Trichlorobenzene	180	4.824	4.824	(0.990)	1046612	5.00000	4.9713
51 Naphthalene	128	4.888	4.888	(1.003)	3832009	5.00000	4.9473
52 4-Chloroaniline	127	4.941	4.941	(1.014)	1659696	5.00000	5.1389
56 Hexachlorobutadiene	225	4.995	4.995	(1.025)	522267	5.00000	4.8844
210 Caprolactam	113	5.289	5.289	(1.086)	545614	5.00000	5.2742
57 1,2,3-Trichlorobenzene	180	5.005	5.005	(1.027)	963335	5.00000	4.8683
59 4-Chloro-3-Methylphenol	107	5.358	5.358	(1.100)	1548558	5.00000	5.2918
62 2-Methylnaphthalene	142	5.465	5.465	(1.122)	2491740	5.00000	5.0039
63 1-Methylnaphthalene	142	5.545	5.545	(1.138)	2379142	5.00000	4.9727
64 Hexachlorocyclopentadiene	237	5.598	5.598	(0.885)	597963	5.00000	5.3615
66 2,4,6-Trichlorophenol	196	5.705	5.705	(0.902)	866539	5.00000	5.4468
67 2,4,5-Trichlorophenol	196	5.732	5.732	(0.906)	778336	5.00000	4.9664
211 1,1'-Biphenyl	154	5.860	5.860	(0.927)	2848136	5.00000	4.8518
68 1,2,3,5-Tetrachlorobenzene	216	5.593	5.593	(0.884)	900516	5.00000	4.8637
70 2-Chloronaphthalene	162	5.871	5.871	(0.928)	2151892	5.00000	4.9458
73 2-Nitroaniline	65	5.962	5.962	(0.943)	1010868	5.00000	5.2829
74 1,2,3,4-Tetrachlorobenzene	216	5.839	5.839	(0.923)	873745	5.00000	4.9521
76 Dimethylphthalate	163	6.127	6.127	(0.969)	2619925	5.00000	5.1344
78 2,6-Dinitrotoluene	165	6.170	6.170	(0.976)	612285	5.00000	5.3946
79 Acenaphthylene	152	6.207	6.207	(0.981)	3856860	5.00000	4.9942
80 1,2-Dinitrobenzene	168	6.213	6.213	(0.982)	254155	5.00000	4.5080(Q)
81 3-Nitroaniline	138	6.304	6.304	(0.997)	732213	5.00000	5.6471
82 Acenaphthene	153	6.352	6.352	(1.004)	2356804	5.00000	4.9457
83 2,4-Dinitrophenol	184	6.394	6.394	(1.011)	904141	10.0000	10.592
85 4-Nitrophenol	109	6.448	6.448	(1.019)	428058	5.00000	5.1441
86 Dibenzofuran	168	6.496	6.496	(1.027)	3130517	5.00000	4.9269
87 2,4-Dinitrotoluene	165	6.501	6.501	(1.028)	833297	5.00000	5.2315
91 2,3,5,6-Tetrachlorophenol	232	6.565	6.565	(1.038)	691928	5.00000	5.1511
93 Diethylphthalate	149	6.710	6.710	(1.061)	2627594	5.00000	5.0375
94 Fluorene	166	6.779	6.779	(1.072)	2540718	5.00000	4.8916
95 4-Chlorophenyl-phenylether	204	6.790	6.790	(1.073)	1160345	5.00000	4.8513
96 4-Nitroaniline	138	6.811	6.811	(1.077)	677857	5.00000	4.8922(Q)
98 4,6-Dinitro-2-methylphenol	198	6.832	6.832	(0.906)	555589	5.00000	4.9454
99 N-Nitrosodiphenylamine	169	6.891	6.891	(0.914)	1971488	5.00000	5.0386
100 1,2-Diphenylhydrazine	77	6.918	6.918	(0.917)	4113481	5.00000	5.5326
106 4-Bromophenyl-phenylether	248	7.190	7.190	(0.953)	668773	5.00000	5.0002
107 Hexachlorobenzene	284	7.222	7.222	(0.958)	689889	5.00000	4.8870
212 Atrazine	200	7.340	7.340	(0.973)	701839	5.00000	4.9533
111 Pentachlorophenol	266	7.388	7.388	(0.979)	581054	5.00000	5.5349
115 Phenanthrene	178	7.564	7.564	(1.003)	3930401	5.00000	4.8849
116 Anthracene	178	7.607	7.607	(1.008)	3933750	5.00000	5.0462
119 Carbazole	167	7.746	7.746	(1.027)	3568545	5.00000	5.1294
120 Di-n-Butylphthalate	149	8.056	8.056	(1.068)	4530484	5.00000	5.0900
123 Fluoranthene	202	8.542	8.542	(1.132)	4002200	5.00000	4.9750
124 Benzidine	184	8.665	8.665	(0.891)	2085519	5.00000	6.1228
125 Pyrene	202	8.724	8.724	(0.897)	4146753	5.00000	5.5799
131 Butylbenzylphthalate	149	9.285	9.285	(0.954)	2012376	5.00000	5.8761
133 3,3'-Dimethoxybenzidine	244	9.707	9.707	(0.998)	801085	5.00000	5.7781
135 3,3'-Dichlorobenzidine	252	9.712	9.712	(0.998)	1380374	5.00000	5.5319
136 Benzo(a)Anthracene	228	9.723	9.723	(0.999)	3954678	5.00000	5.4332
137 Chrysene	228	9.755	9.755	(1.003)	3453564	5.00000	5.1128
138 4,4'-Methylene bis(o-chloroan	231	9.717	9.717	(0.999)	578199	5.00000	4.5374
139 bis(2-ethylhexyl)Phthalate	149	9.776	9.776	(1.005)	2802021	5.00000	5.6325

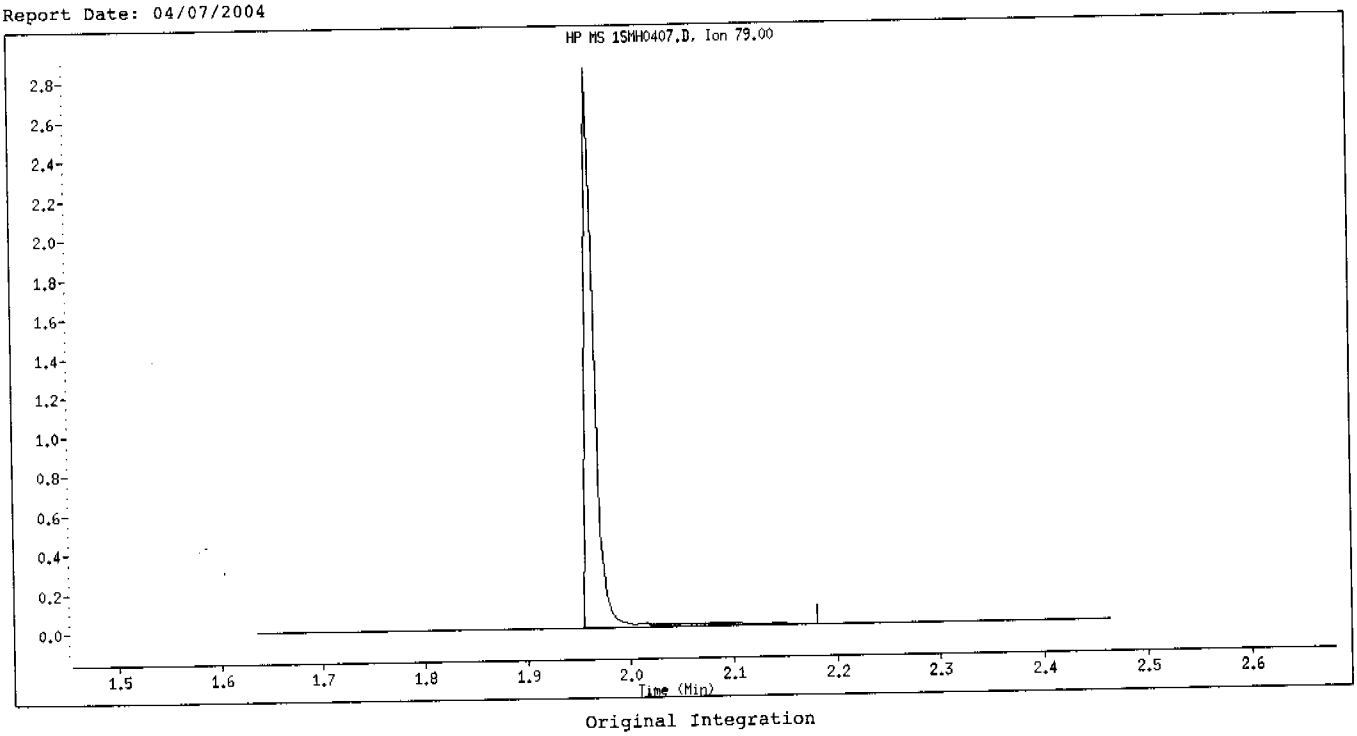
Data File: \\qcanoh05\dd\chem\MSS\a4np10.1\40407a.D\1BMA0[illegible]
Report Date: 08-Apr-2004 06:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.321	10.321	(0.948)	4770387	5.00000	5.2257
141 Benzo(b)fluoranthene	252	10.599	10.599	(0.974)	4561697	5.00000	5.3693
142 Benzo(k)fluoranthene	252	10.625	10.625	(0.976)	3573705	5.00000	4.3529
146 Benzo(a)pyrene	252	10.850	10.850	(0.997)	3539203	5.00000	4.9242
149 Indeno(1,2,3-cd)pyrene	276	11.822	11.822	(1.086)	4260251	5.00000	4.9903
150 Dibenz(a,h)anthracene	278	11.844	11.844	(1.088)	3613628	5.00000	5.0530
151 Benzo(g,h,i)perylene	276	12.089	12.089	(1.110)	3584042	5.00000	5.0126
$ 154 Nitrobenzene-d5	82	4.279	4.279	(0.878)	1839069	5.00000	5.0348
$ 155 2-Fluorobiphenyl	172	5.780	5.780	(0.914)	2620062	5.00000	4.9747
$ 156 Terphenyl-d14	244	8.868	8.868	(0.912)	2684780	5.00000	5.5582
$ 157 Phenol-d5	99	3.526	3.526	(0.924)	2128905	5.00000	5.0113
$ 158 2-Fluorophenol	112	2.794	2.794	(0.733)	1450099	5.00000	4.9032
$ 159 2,4,6-Tribromophenol	330	6.977	6.977	(1.103)	347844	5.00000	5.1210
$ 186 2-Chlorophenol-d4	132	3.632	3.632	(0.952)	1319410	5.00000	5.0330
$ 187 1,2-Dichlorobenzene-d4	152	3.942	3.942	(1.034)	697559	5.00000	4.7356
101 Diphenylamine	169	6.891	6.891	(0.914)	1971488	5.00000	5.0386

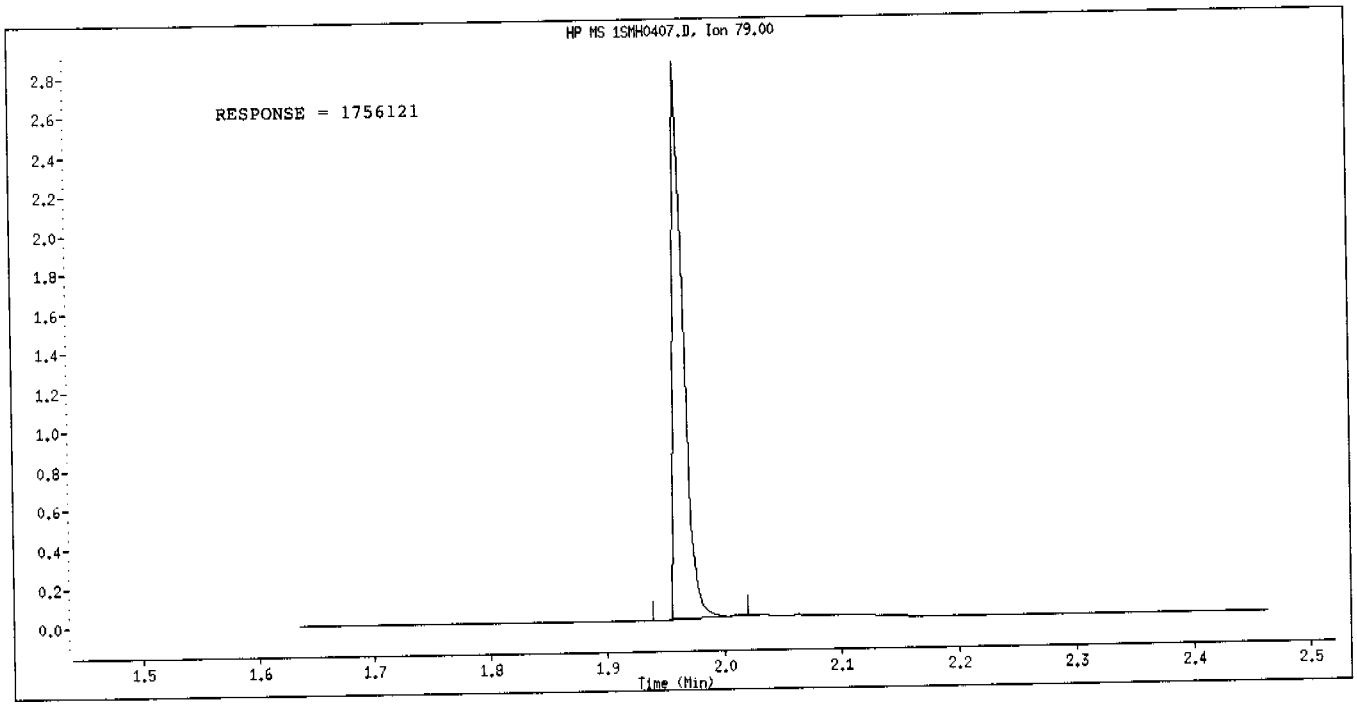
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Inj. Date and Time: 07-APR-2004 10:28
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/07/2004



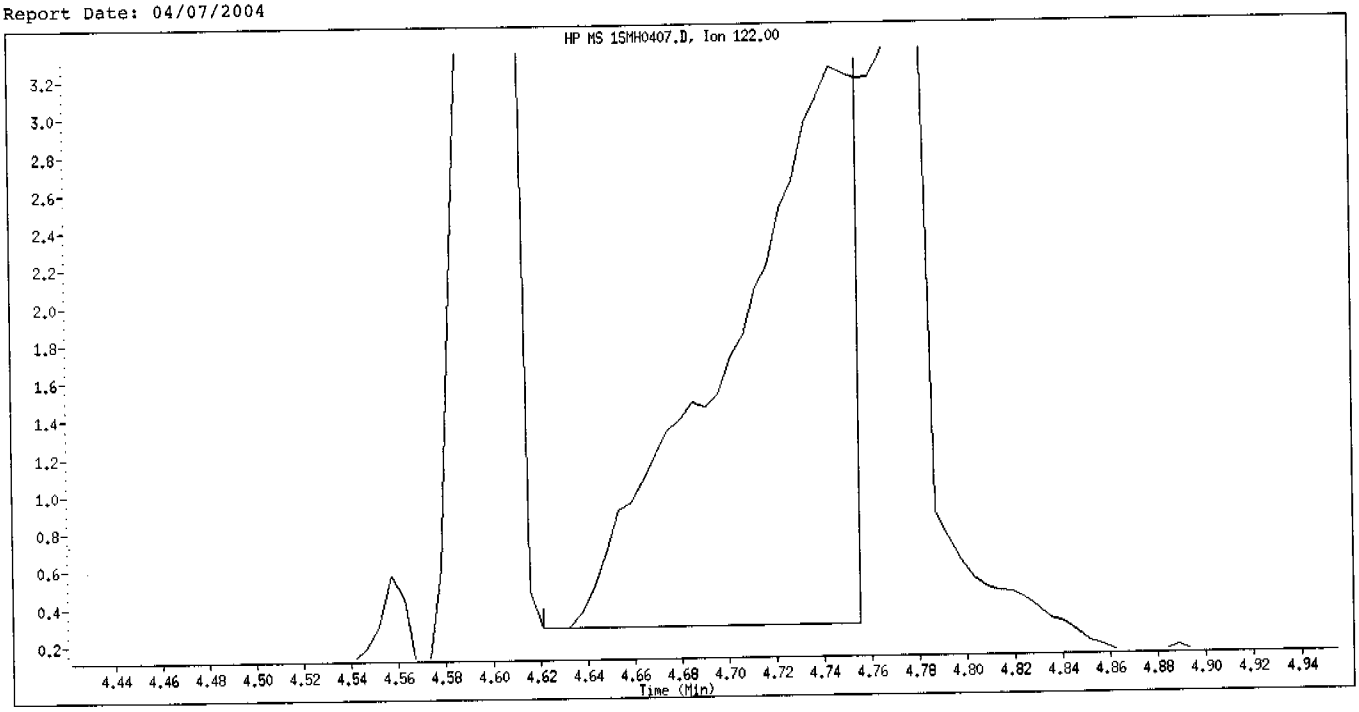
Original Integration



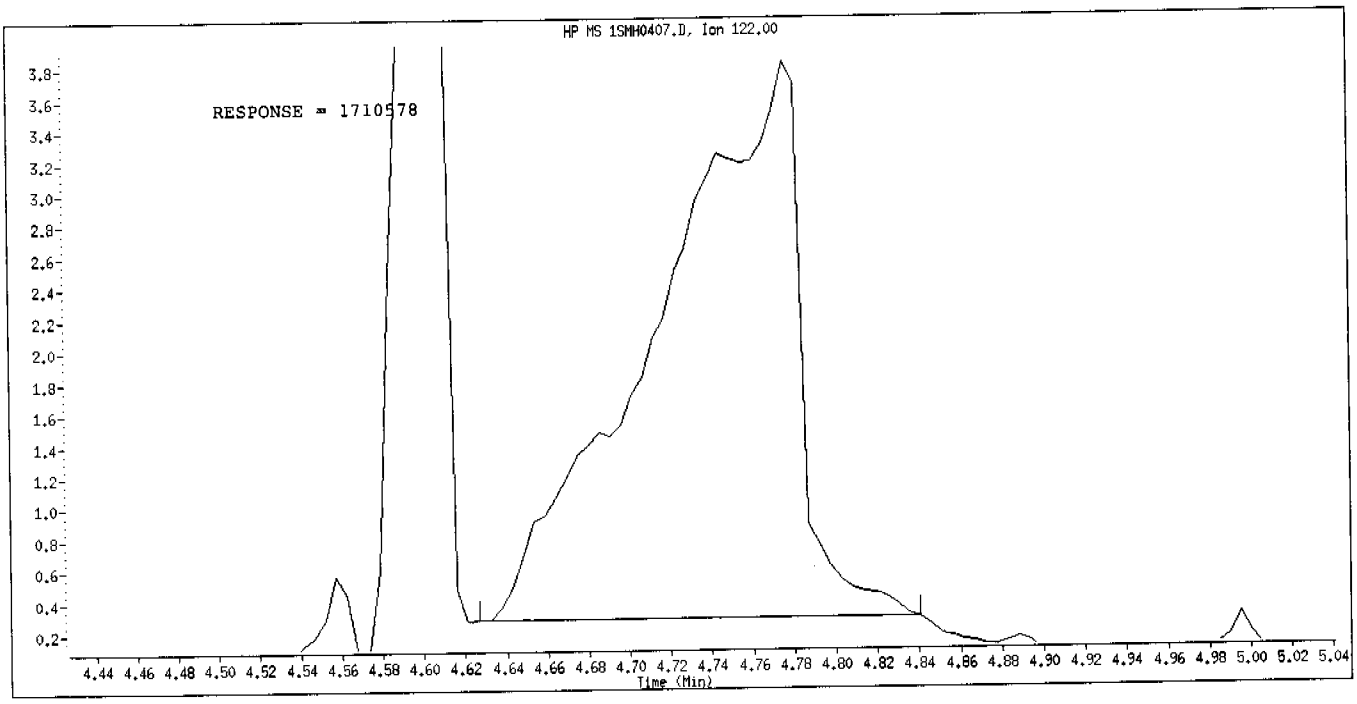
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Inj. Date and Time: 07-APR-2004 10:28
Instrument ID: a4hp10.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/07/2004



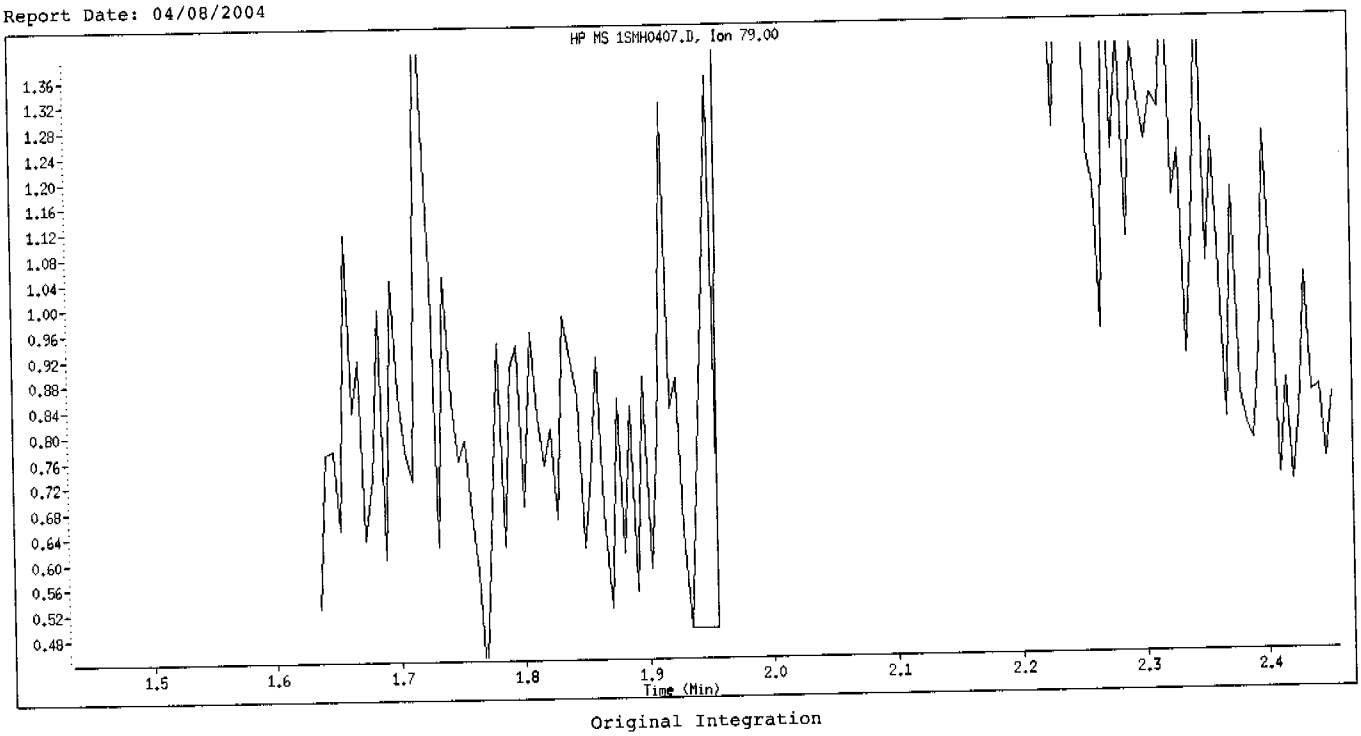
Original Integration



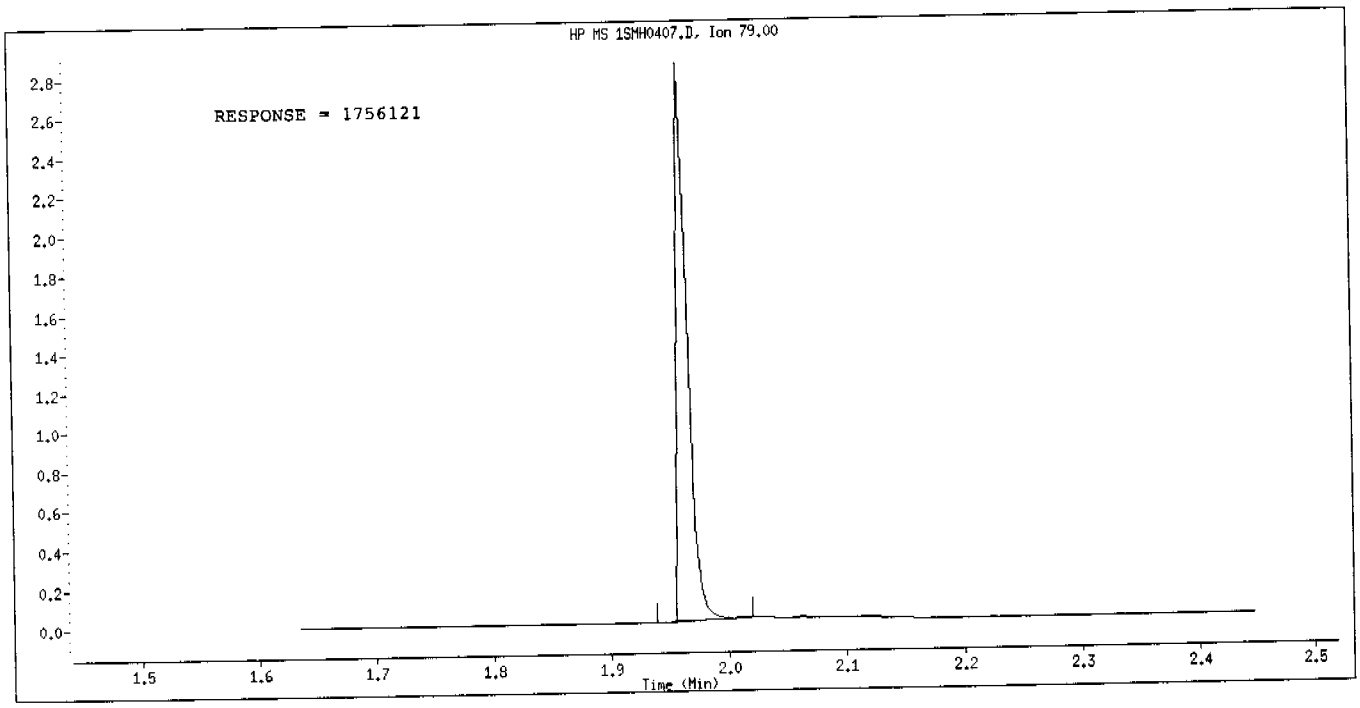
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 10:28
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/08/2004



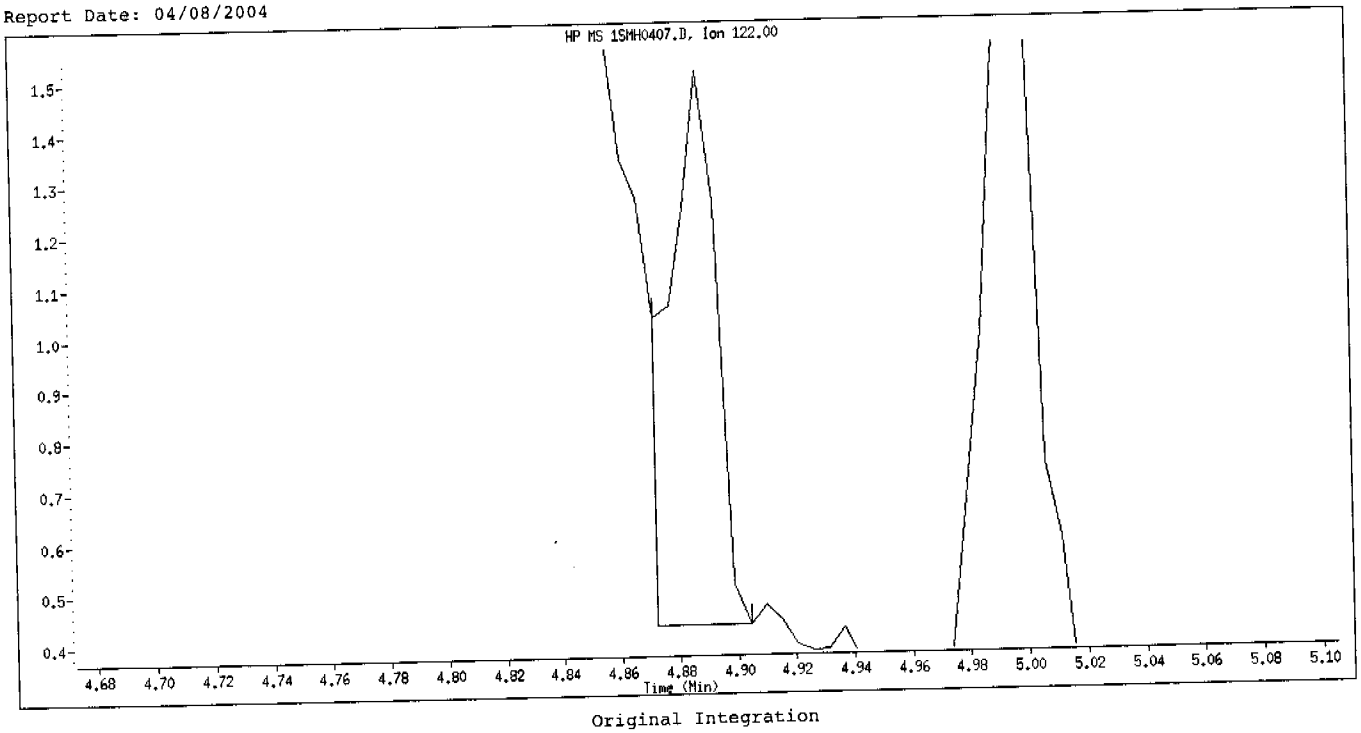
Original Integration



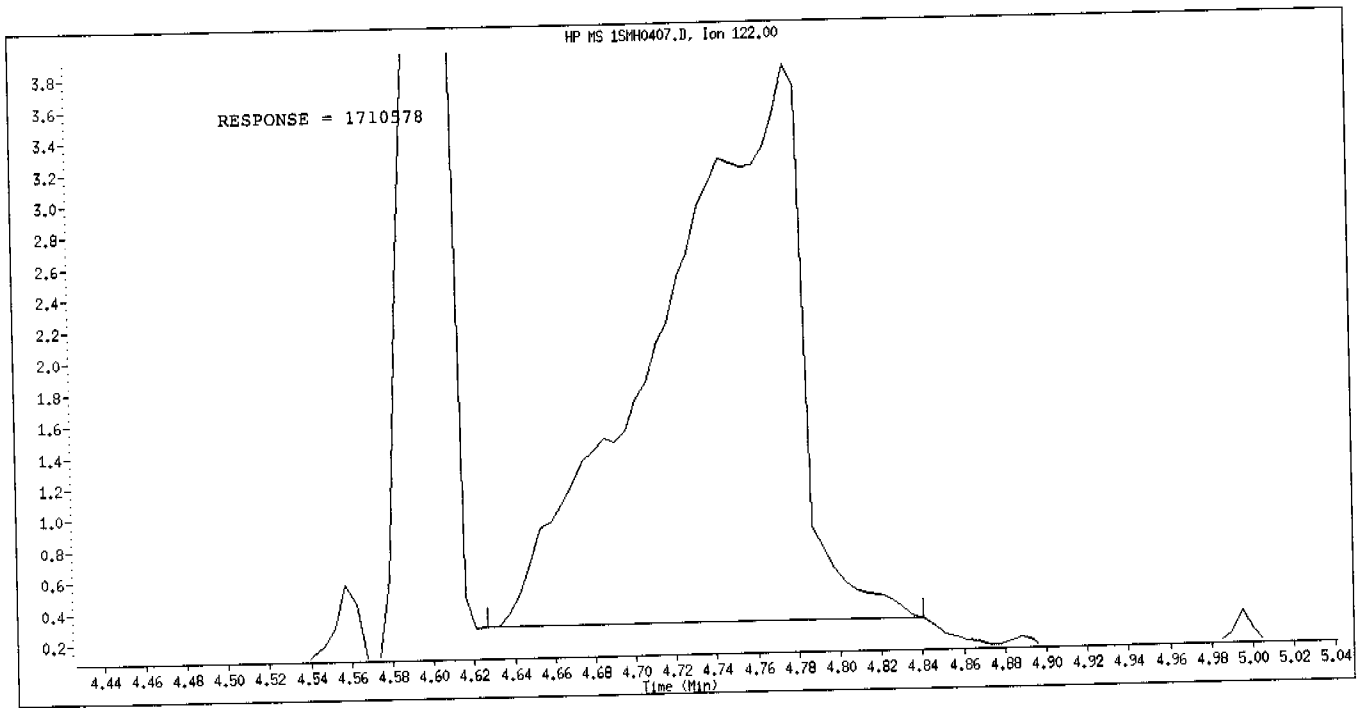
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Inj. Date and Time: 07-APR-2004 10:28
Instrument ID: a4hp10.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/08/2004



Original Integration

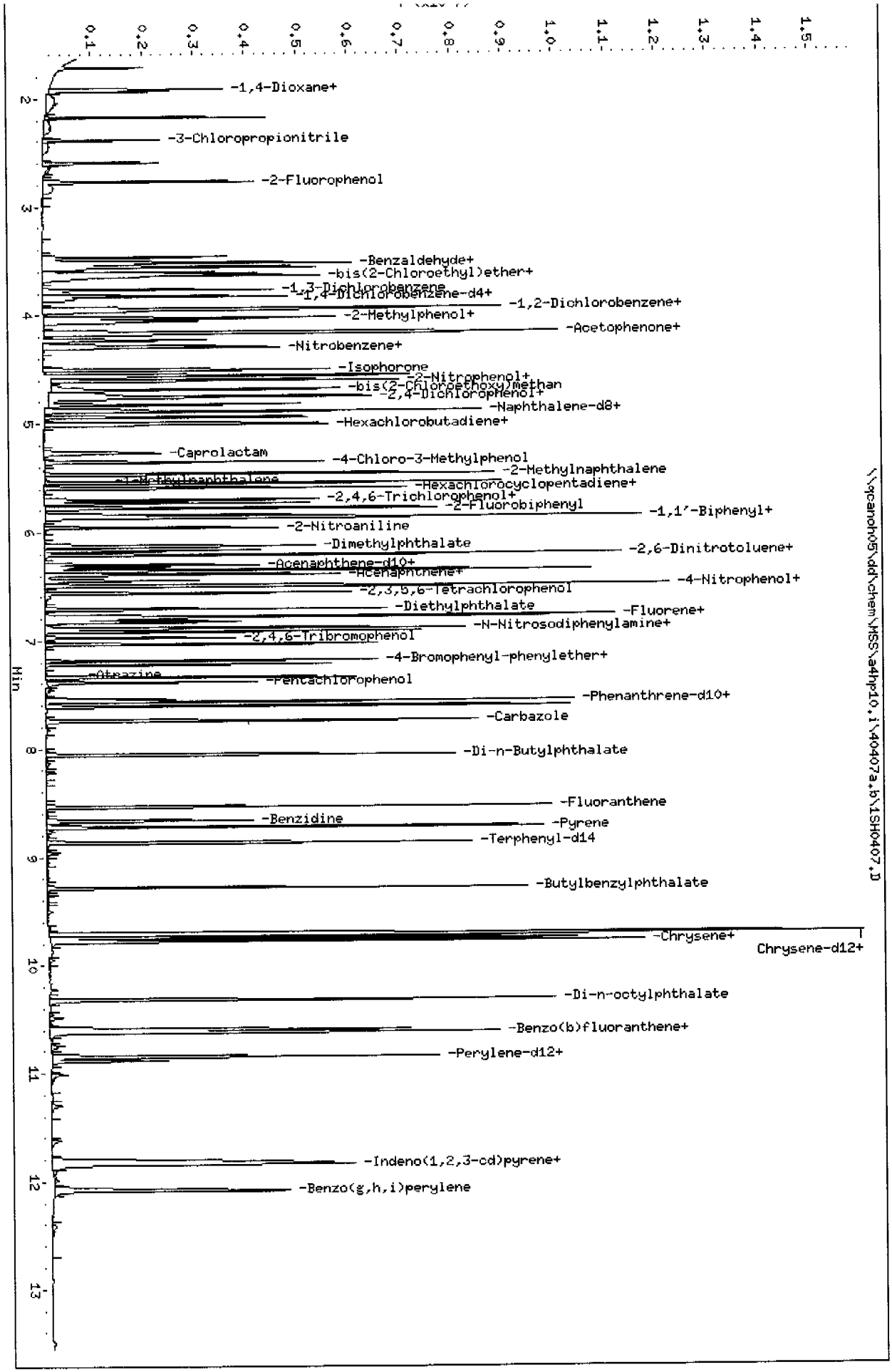


Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SH0407.D
Date : 07-APR-2004 13:01
Client ID:
Sample Info: 17,40407a,b,8270p,3-827042,sub,1,,7
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



Page 4

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SH0407.D
Lab Smp Id: 17
Inj Date : 07-APR-2004 13:01
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 17,40407a.b,8270p,3-827042.sub,1,,7
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:36 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 10:50 Cal File: 1AMH0407.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.809	3.809	(1.000)	156449	2.00000	(Q)
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	744977	2.00000	
* 3 Acenaphthene-d10	164	6.320	6.320	(1.000)	422784	2.00000	
* 4 Phenanthrene-d10	188	7.543	7.543	(1.000)	715039	2.00000	
* 5 Chrysene-d12	240	9.723	9.723	(1.000)	685869	2.00000	
* 6 Perylene-d12	264	10.882	10.882	(1.000)	520242	2.00000	
198 1,4-Dioxane	88	1.715	1.715	(0.450)	388115	7.50000	7.1548
9 Pyridine	79	1.918	1.918	(0.504)	1102330	7.50000	7.6200(M)
10 N-Nitrosodimethylamine	74	1.934	1.934	(0.508)	894533	7.50000	8.3797
12 3-Chloropropionitrile	54	2.388	2.388	(0.627)	492194	7.50000	6.9134(Q)
209 Benzaldehyde	77	3.467	3.467	(0.910)	721026	7.50000	6.8169
21 Aniline	93	3.558	3.558	(0.934)	2206990	7.50000	8.7545
22 Phenol	94	3.526	3.526	(0.926)	1513083	7.50000	7.5338
23 bis(2-Chloroethyl)ether	93	3.611	3.611	(0.948)	1091289	7.50000	7.5552
24 2-Chlorophenol	128	3.638	3.638	(0.955)	848702	7.50000	7.5694
26 1,3-Dichlorobenzene	146	3.761	3.761	(0.987)	797806	7.50000	7.3644
27 1,4-Dichlorobenzene	146	3.825	3.825	(1.004)	721784	7.50000	7.3531
28 1,2-Dichlorobenzene	146	3.948	3.948	(1.036)	788586	7.50000	7.5172
29 Benzyl Alcohol	108	3.937	3.937	(1.034)	878009	7.50000	8.5389
30 2-Methylphenol	108	4.023	4.023	(1.056)	1033171	7.50000	7.4274
31 bis(2-Chloroisopropyl)ether	45	4.055	4.055	(1.065)	1447624	7.50000	8.4620
37 Acetophenone	105	4.156	4.156	(1.091)	1645325	7.50000	8.1383
32 N-Nitroso-di-n-propylamine	70	4.172	4.172	(1.095)	963143	7.50000	8.0776(Q)
192 4-Methylphenol	108	4.162	4.162	(1.093)	1258556	7.50000	8.7579
34 Hexachloroethane	117	4.226	4.226	(1.109)	327789	7.50000	7.4869
35 Nitrobenzene	77	4.295	4.295	(0.883)	1403510	7.50000	7.6982
41 Isophorone	82	4.503	4.503	(0.925)	2614747	7.50000	7.7645
42 2-Nitrophenol	139	4.557	4.557	(0.936)	573571	7.50000	7.8940
43 2,4-Dimethylphenol	107	4.600	4.600	(0.945)	1272521	7.50000	7.7730
44 bis(2-Chloroethoxy)methane	93	4.685	4.685	(0.963)	1515319	7.50000	7.7509
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	4.562	4.562	(0.937)	789910	7.50000	7.5376
48 2,4-Dichlorophenol	162	4.755	4.755	(0.977)	800654	7.50000	7.7731

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.771	4.771	(0.980)	1376592	15.0000	15.184(QM)
50 1,2,4-Trichlorobenzene	180	4.824	4.824	(0.991)	787645	7.50000	7.5796
51 Naphthalene	128	4.888	4.888	(1.004)	2899540	7.50000	7.5841
52 4-Chloroaniline	127	4.941	4.941	(1.015)	1245587	7.50000	7.8135
56 Hexachlorobutadiene	225	4.995	4.995	(1.026)	396357	7.50000	7.5099
210 Caprolactam	113	5.273	5.273	(1.083)	407008	7.50000	7.9709
57 1,2,3-Trichlorobenzene	180	5.006	5.006	(1.029)	734882	7.50000	7.5240
59 4-Chloro-3-Methylphenol	107	5.353	5.353	(1.100)	1147821	7.50000	7.9465
62 2-Methylnaphthalene	142	5.465	5.465	(1.123)	1847686	7.50000	7.5174
63 1-Methylnaphthalene	142	5.545	5.545	(1.139)	1784643	7.50000	7.5571
64 Hexachlorocyclopentadiene	237	5.599	5.599	(0.886)	441151	7.50000	7.9436
66 2,4,6-Trichlorophenol	196	5.700	5.700	(0.902)	586049	7.50000	7.3979
67 2,4,5-Trichlorophenol	196	5.732	5.732	(0.907)	607351	7.50000	7.7828
211 1,1'-Biphenyl	154	5.860	5.860	(0.927)	2191442	7.50000	7.4970
68 1,2,3,5-Tetrachlorobenzene	216	5.588	5.588	(0.884)	686433	7.50000	7.4454
70 2-Chloronaphthalene	162	5.866	5.866	(0.928)	1632561	7.50000	7.5353
73 2-Nitroaniline	65	5.957	5.957	(0.943)	748333	7.50000	7.8541
74 1,2,3,4-Tetrachlorobenzene	216	5.839	5.839	(0.924)	664103	7.50000	7.5588
76 Dimethylphthalate	163	6.127	6.127	(0.970)	1951159	7.50000	7.6791
78 2,6-Dinitrotoluene	165	6.170	6.170	(0.976)	456751	7.50000	8.0818
79 Acenaphthylene	152	6.208	6.208	(0.982)	2886535	7.50000	7.5062
80 1,2-Dinitrobenzene	168	6.208	6.208	(0.982)	233394	7.50000	8.3137(Q)
81 3-Nitroaniline	138	6.298	6.298	(0.997)	527935	7.50000	8.1768
82 Acenaphthene	153	6.352	6.352	(1.005)	1762802	7.50000	7.4289
83 2,4-Dinitrophenol	184	6.389	6.389	(1.011)	656508	15.0000	14.831
85 4-Nitrophenol	109	6.443	6.443	(1.019)	317271	7.50000	7.4955
86 Dibenzofuran	168	6.496	6.496	(1.028)	2346596	7.50000	7.4167
87 2,4-Dinitrotoluene	165	6.496	6.496	(1.028)	627984	7.50000	7.9176
91 2,3,5,6-Tetrachlorophenol	232	6.560	6.560	(1.038)	511655	7.50000	7.6495
93 Diethylphthalate	149	6.710	6.710	(1.062)	1963056	7.50000	7.5580
94 Fluorene	166	6.779	6.779	(1.073)	1942657	7.50000	7.5112
95 4-Chlorophenyl-phenylether	204	6.785	6.785	(1.074)	885428	7.50000	7.4343
96 4-Nitroaniline	138	6.806	6.806	(1.077)	575743	7.50000	8.3448
98 4,6-Dinitro-2-methylphenol	198	6.827	6.827	(0.905)	426118	7.50000	7.5656
99 N-Nitrosodiphenylamine	169	6.886	6.886	(0.913)	1470150	7.50000	7.6230
100 1,2-Diphenylhydrazine	77	6.918	6.918	(0.917)	2831205	7.50000	7.7258
106 4-Bromophenyl-phenylether	248	7.185	7.185	(0.953)	496715	7.50000	7.5346
107 Hexachlorobenzene	284	7.223	7.223	(0.958)	523142	7.50000	7.5185
212 Atrazine	200	7.340	7.340	(0.973)	530347	7.50000	7.5939
111 Pentachlorophenol	266	7.388	7.388	(0.979)	426745	7.50000	8.2473
115 Phenanthrene	178	7.565	7.565	(1.003)	2949985	7.50000	7.4385
116 Anthracene	178	7.607	7.607	(1.008)	2938758	7.50000	7.6485
119 Carbazole	167	7.741	7.741	(1.026)	2641688	7.50000	7.7039
120 Di-n-Butylphthalate	149	8.056	8.056	(1.068)	3432160	7.50000	7.8233
123 Fluoranthene	202	8.537	8.537	(1.132)	3007096	7.50000	7.5838
124 Benzidine	184	8.660	8.660	(0.891)	1296642	7.50000	6.6242
125 Pyrene	202	8.724	8.724	(0.897)	3122708	7.50000	7.3994
131 Butylbenzylphthalate	149	9.285	9.285	(0.955)	1499147	7.50000	7.7085
133 3,3'-Dimethoxybenzidine	244	9.701	9.701	(0.998)	632932	7.50000	8.0391
135 3,3'-Dichlorobenzidine	252	9.707	9.707	(0.998)	1076429	7.50000	7.5964
136 Benzo(a)Anthracene	228	9.717	9.717	(0.999)	2810988	7.50000	6.8007
137 Chrysene	228	9.750	9.750	(1.003)	2866826	7.50000	7.4737
138 4,4'-Methylene bis(o-chloroan	231	9.717	9.717	(0.999)	523455	7.50000	7.2336
139 bis(2-ethylhexyl)Phthalate	149	9.776	9.776	(1.005)	2114274	7.50000	7.4840

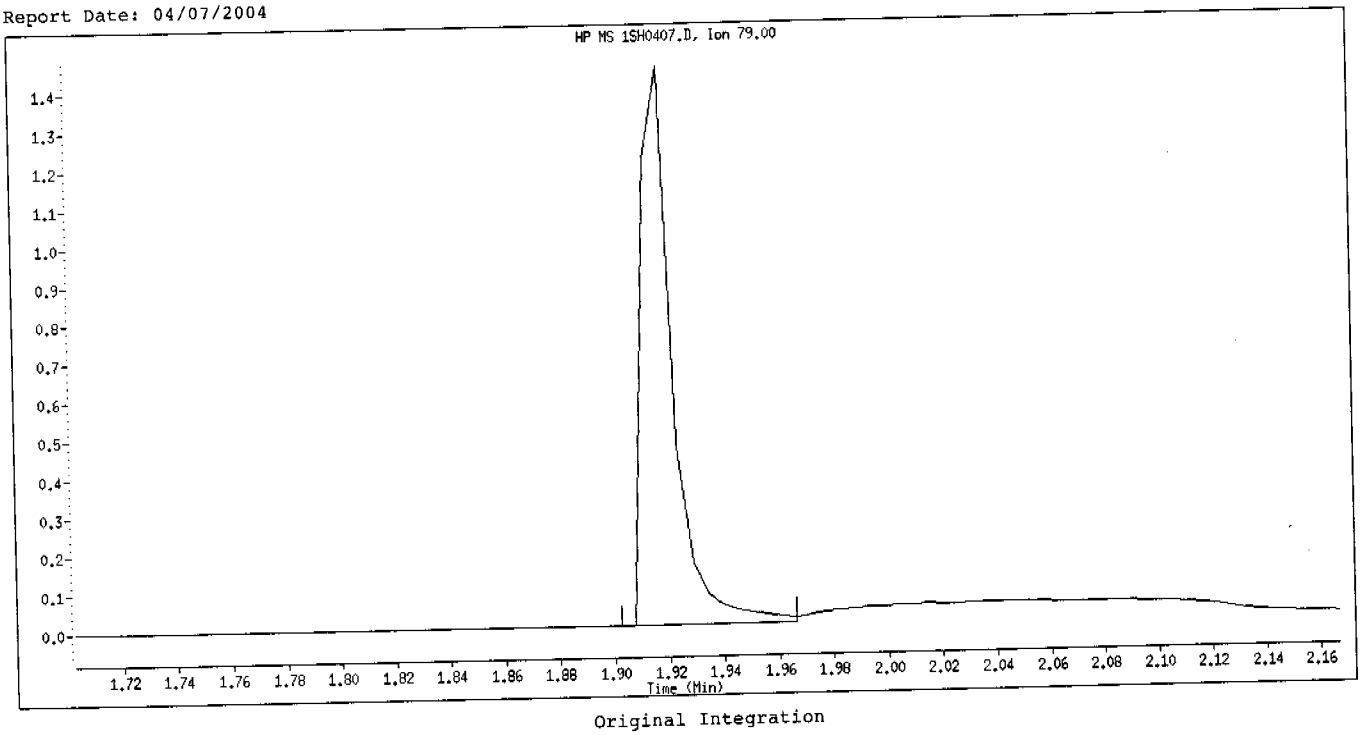
Data File: \\qcanoh05\dd\chem\MSS\a4np10.i\4040/a.b\ibh040.d
Report Date: 08-Apr-2004 06:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.316	10.316	(0.948)	3584295	7.50000	7.7537
141 Benzo(b)fluoranthene	252	10.594	10.594	(0.973)	3056099	7.50000	7.1035
142 Benzo(k)fluoranthene	252	10.620	10.620	(0.976)	3302169	7.50000	7.9429
146 Benzo(a)pyrene	252	10.845	10.845	(0.997)	2789537	7.50000	7.6645
149 Indeno(1,2,3-cd)pyrene	276	11.812	11.812	(1.085)	3266409	7.50000	7.5558
150 Dibenz(a,h)anthracene	278	11.838	11.838	(1.088)	2784467	7.50000	7.6888
151 Benzo(g,h,i)perylene	276	12.084	12.084	(1.110)	2764383	7.50000	7.6350
$ 154 Nitrobenzene-d5	82	4.274	4.274	(0.878)	1385862	7.50000	7.6867
$ 155 2-Fluorobiphenyl	172	5.780	5.780	(0.915)	1976999	7.50000	7.5384
$ 156 Terphenyl-d14	244	8.868	8.868	(0.912)	2057291	7.50000	7.5001
$ 157 Phenol-d5	99	3.515	3.515	(0.923)	1395978	7.50000	7.7183
$ 158 2-Fluorophenol	112	2.773	2.773	(0.728)	874629	7.50000	6.9463
$ 159 2,4,6-Tribromophenol	330	6.972	6.972	(1.103)	258114	7.50000	7.6314
$ 186 2-Chlorophenol-d4	132	3.622	3.622	(0.951)	820066	7.50000	7.3475
$ 187 1,2-Dichlorobenzene-d4	152	3.937	3.937	(1.034)	450351	7.50000	7.1811(Q)
101 Diphenylamine	169	6.886	6.886	(0.913)	1470150	7.50000	7.6230

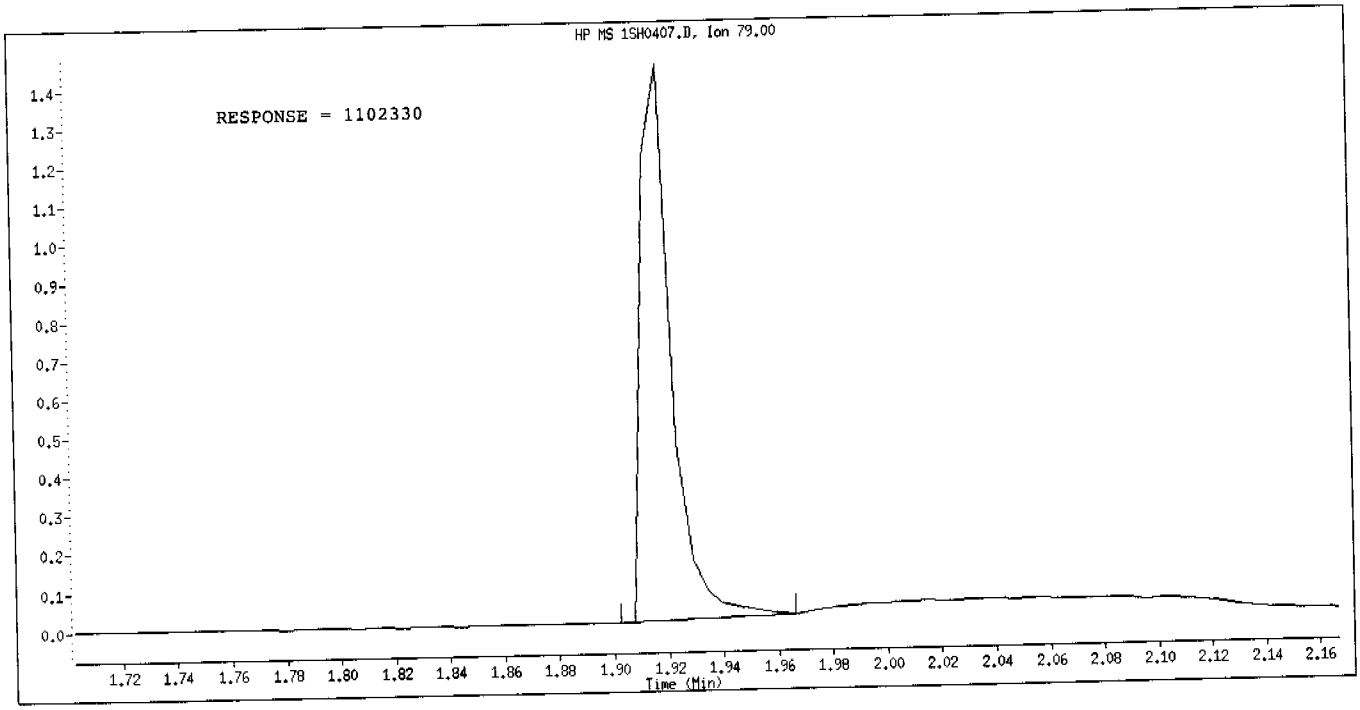
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Inj. Date and Time: 07-APR-2004 13:01
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/07/2004



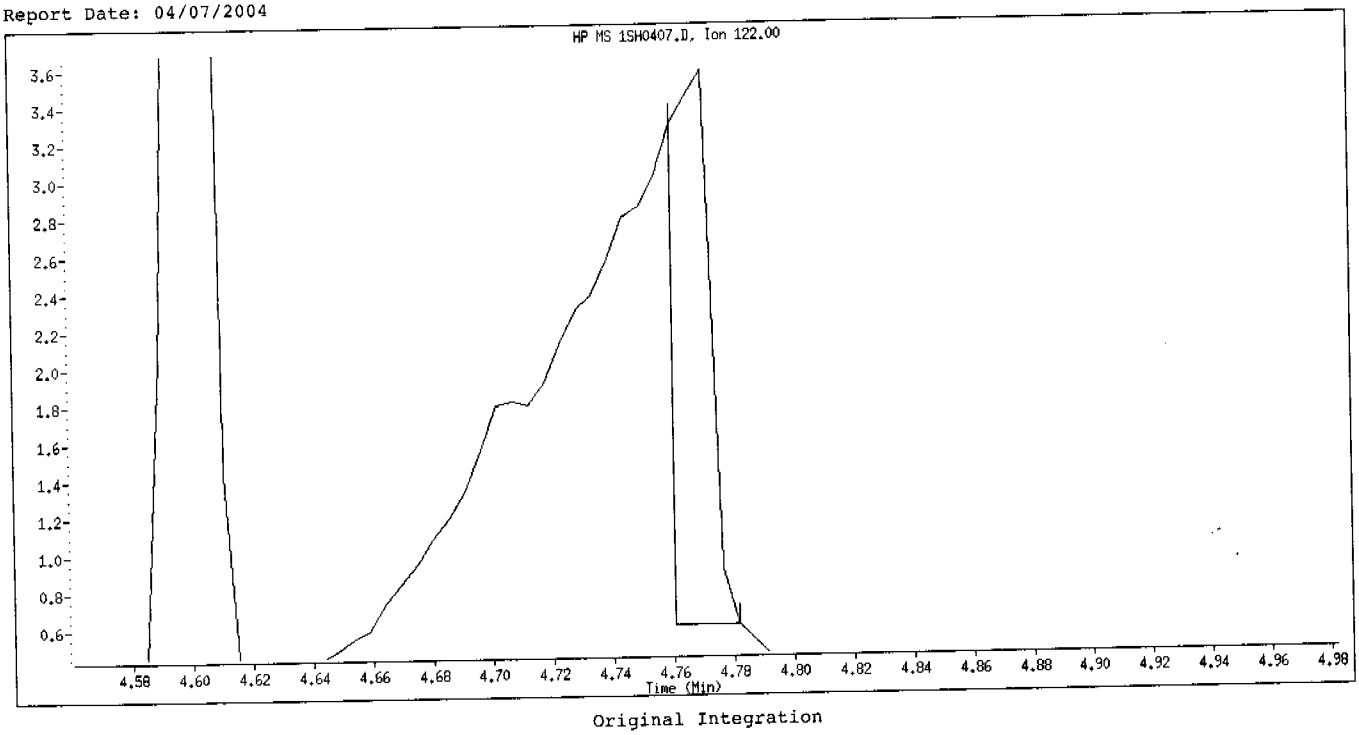
Original Integration



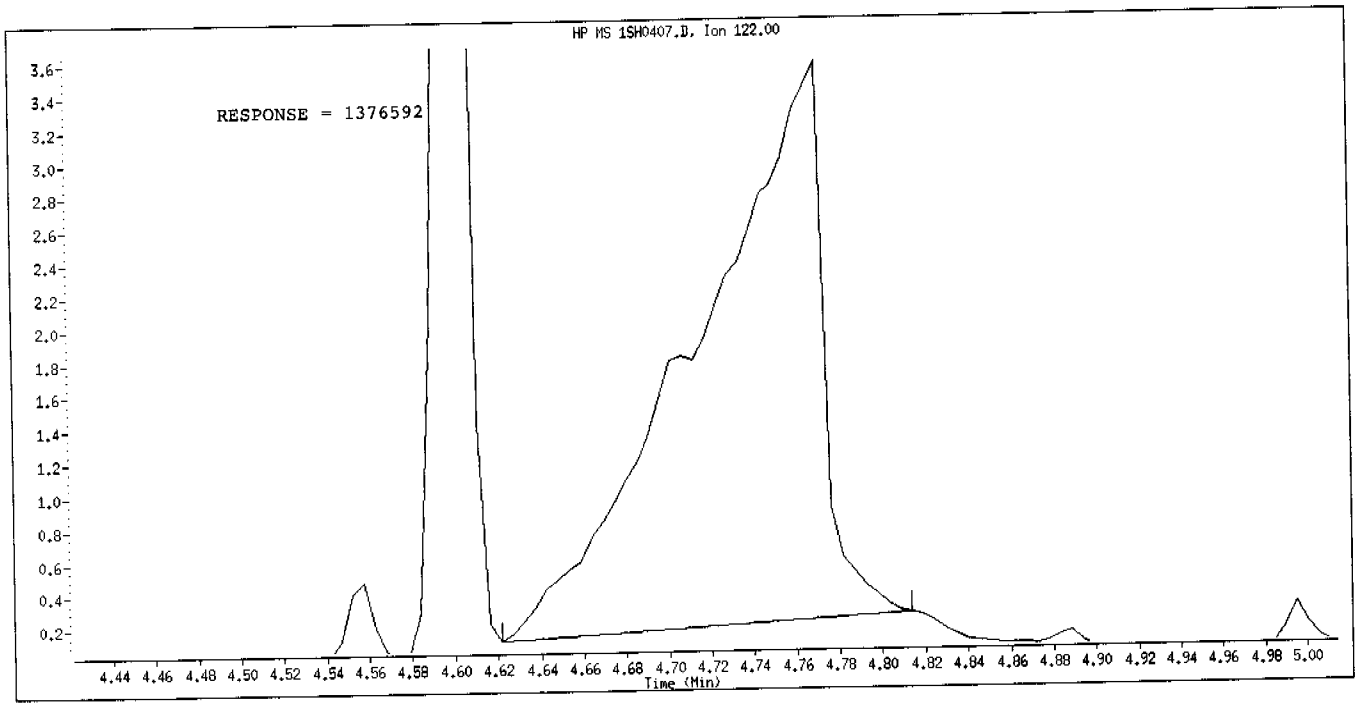
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Inj. Date and Time: 07-APR-2004 13:01
Instrument ID: a4hp10.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/07/2004



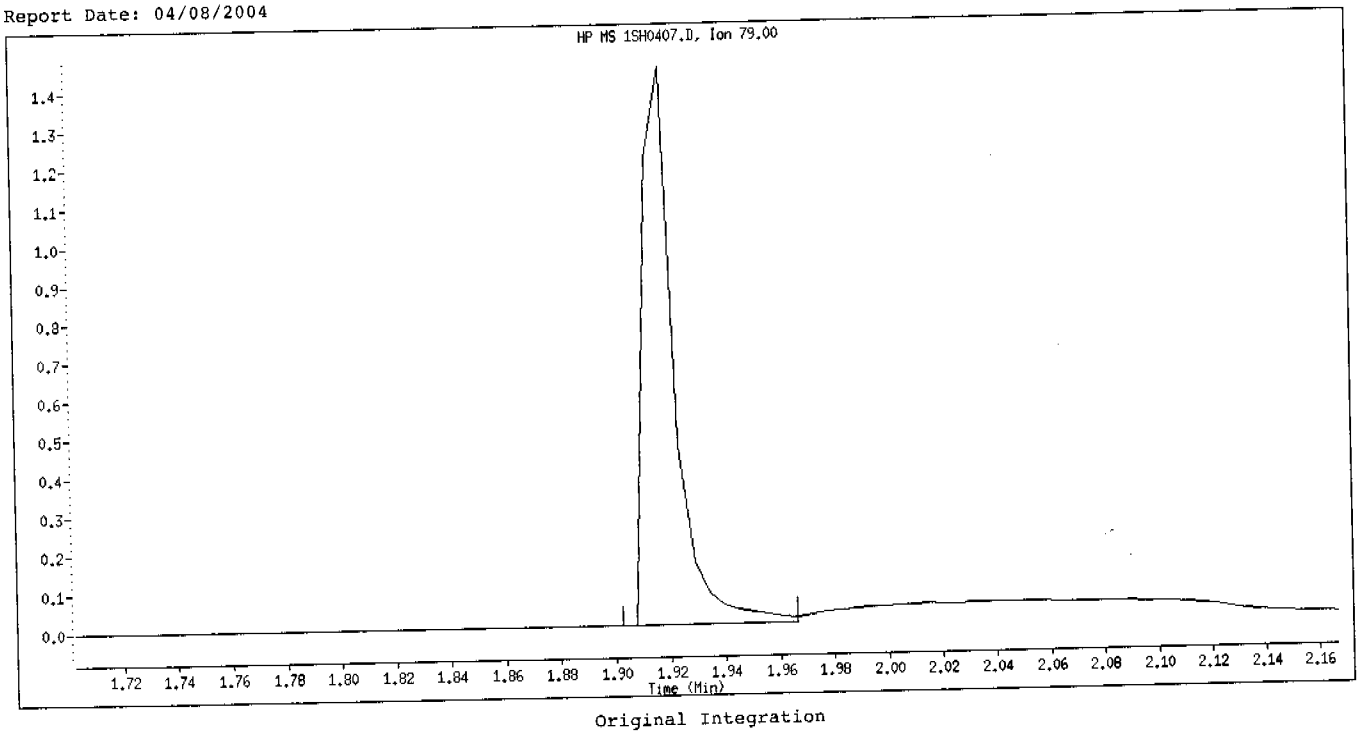
Original Integration



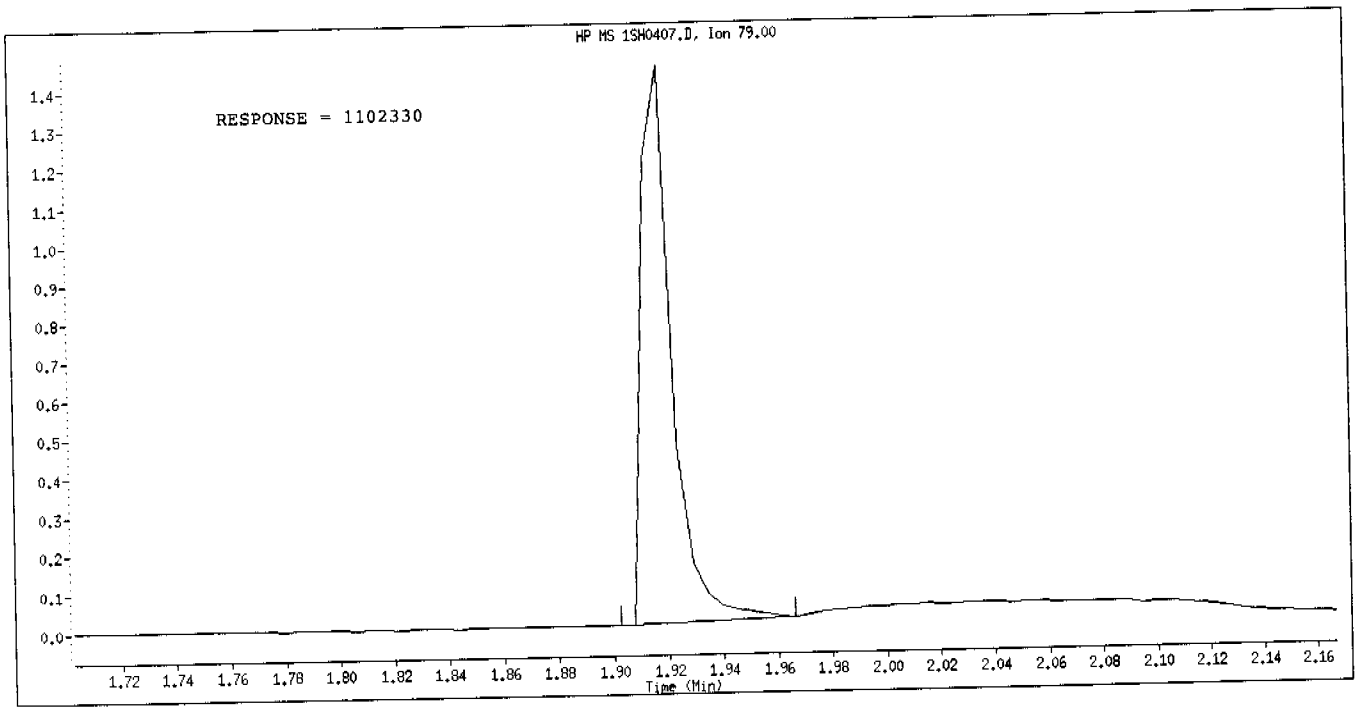
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 13:01
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/08/2004



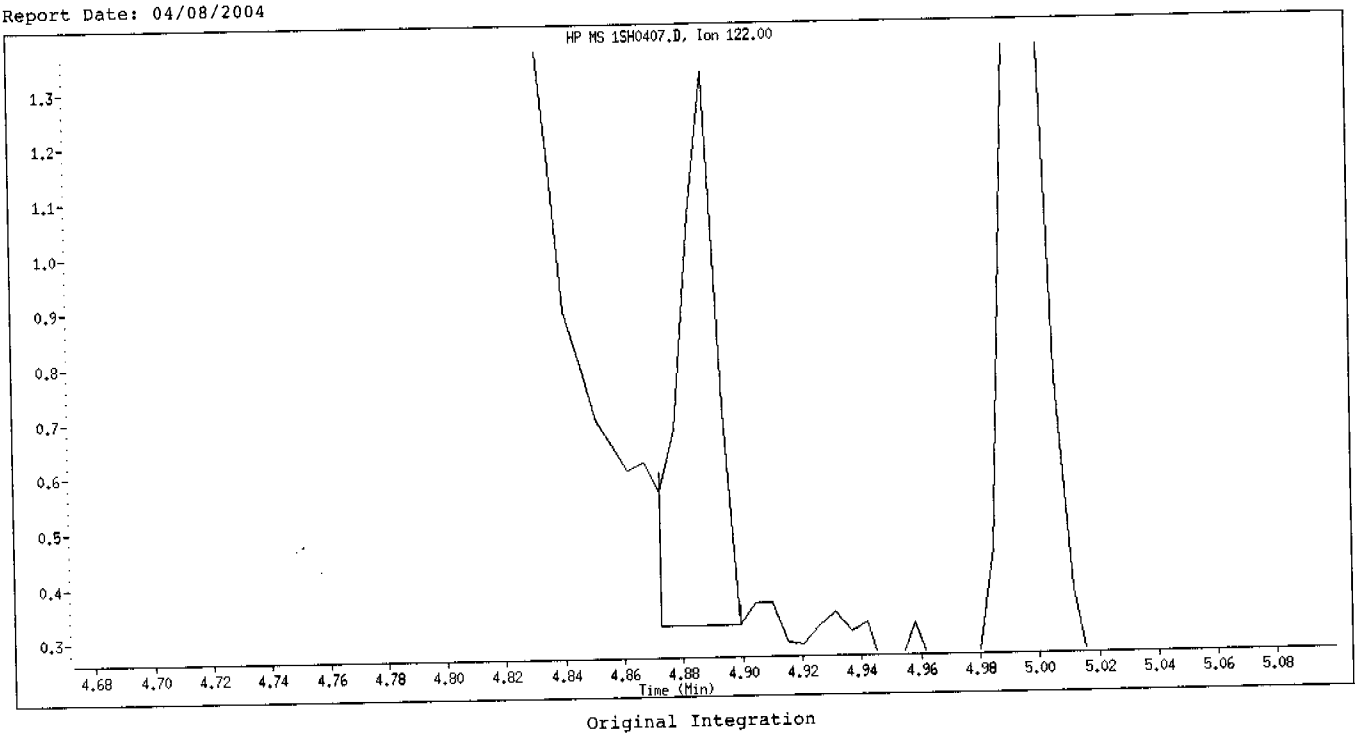
Original Integration



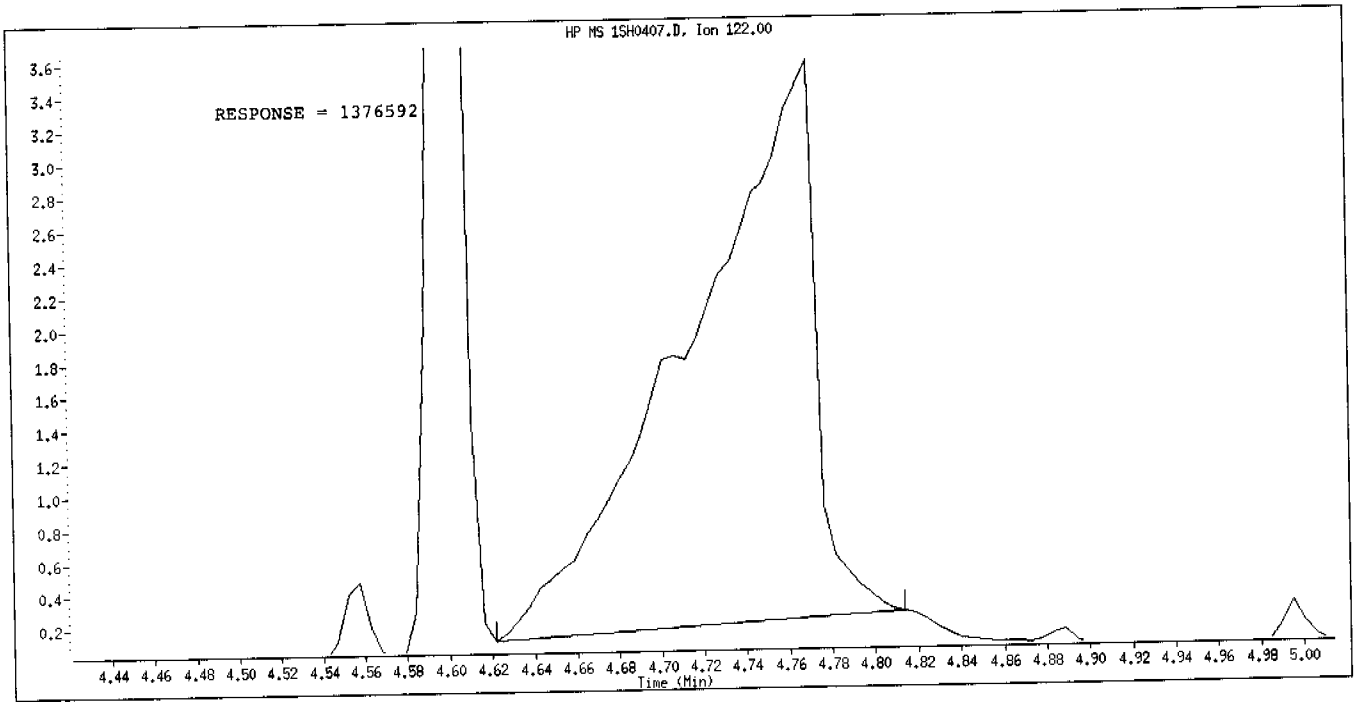
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Inj. Date and Time: 07-APR-2004 13:01
Instrument ID: a4hp10.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/08/2004



Original Integration

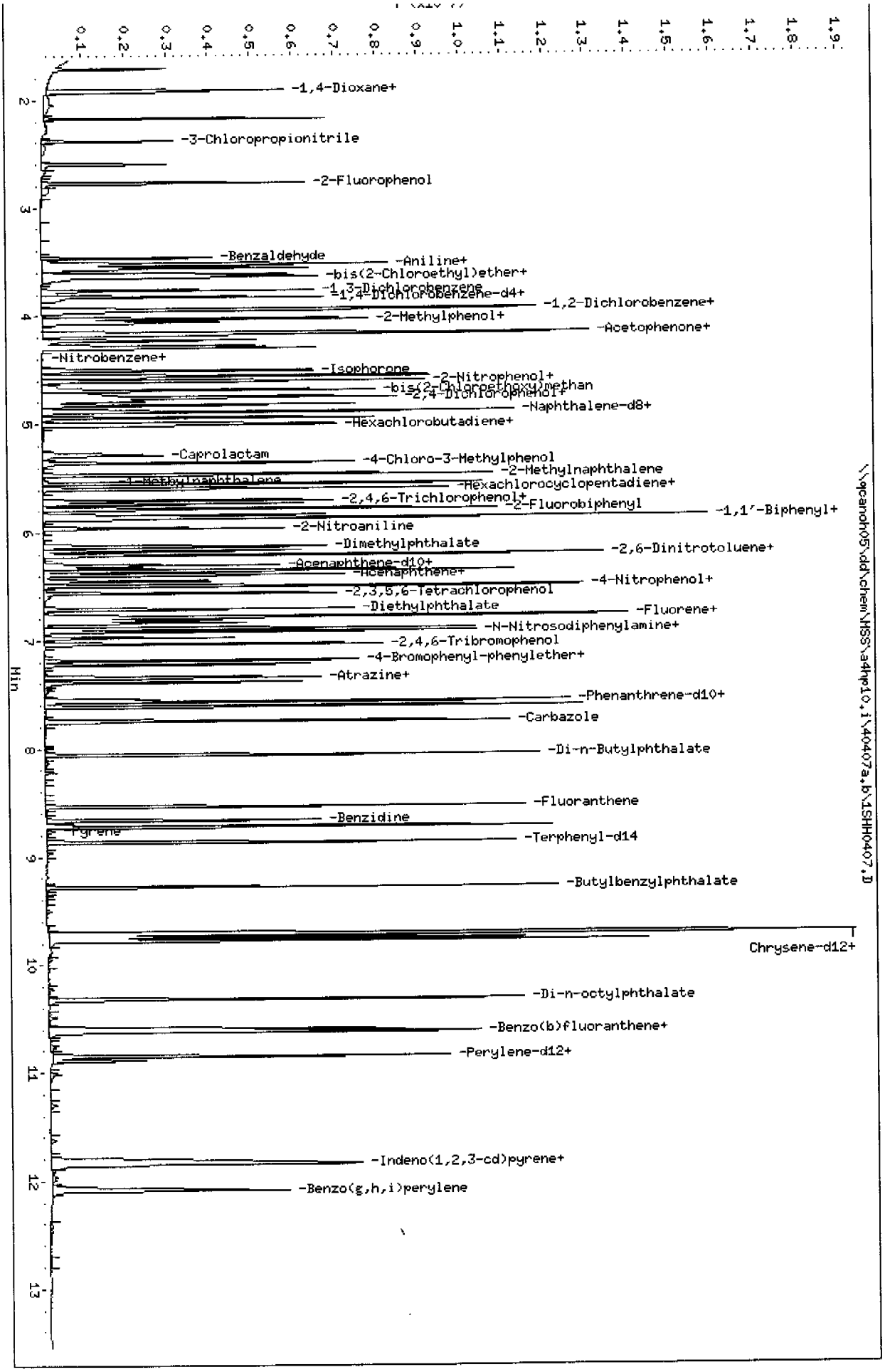


Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SHH0407.D
Date : 07-APR-2004 13:23
Client ID:
Sample Info: 18,40407a,b,8270p,3-827042,sub,1,,8
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



Page 4

Data File: \\qcanoh05\dd\chem\MSS\a4hpl0.i\40407a.b\1SHH0407.D
Report Date: 08-Apr-2004 06:37

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hpl0.i\40407a.b\1SHH0407.D
Lab Smp Id: 18
Inj Date : 07-APR-2004 13:23 Inst ID: a4hpl0.i
Operator : 046900
Smp Info : 18,40407a.b,8270p,3-827042.sub,1,,8
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hpl0.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:37 a4hpl0.i Quant Type: ISTD
Cal Date : 07-APR-2004 15:55 Cal File: 1AH0407.D
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.809	3.809	(1.000)	188209	2.00000	
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	770376	2.00000	
* 3 Acenaphthene-d10	164	6.325	6.325	(1.000)	436247	2.00000	
* 4 Phenanthrene-d10	188	7.543	7.543	(1.000)	738926	2.00000	
* 5 Chrysene-d12	240	9.728	9.728	(1.000)	678818	2.00000	
* 6 Perylene-d12	264	10.887	10.887	(1.000)	511609	2.00000	
198 1,4-Dioxane	88	1.715	1.715	(0.450)	622629	10.0000	9.5411
9 Pyridine	79	1.912	1.912	(0.502)	1725342	10.0000	9.9141(M)
10 N-Nitrosodimethylamine	74	1.928	1.928	(0.506)	1224236	10.0000	9.5330
12 3-Chloropropionitrile	54	2.388	2.388	(0.627)	750443	10.0000	8.7621(Q)
209 Benzaldehyde	77	3.467	3.467	(0.910)	886235	10.0000	6.9649
21 Aniline	93	3.563	3.563	(0.935)	3033994	10.0000	10.004
22 Phenol	94	3.531	3.531	(0.927)	2283483	10.0000	9.4511
23 bis(2-Chloroethyl)ether	93	3.611	3.611	(0.948)	1596977	10.0000	9.1904
24 2-Chlorophenol	128	3.643	3.643	(0.957)	1278631	10.0000	9.4795
26 1,3-Dichlorobenzene	146	3.766	3.766	(0.989)	1198576	10.0000	9.1968
27 1,4-Dichlorobenzene	146	3.825	3.825	(1.004)	1110074	10.0000	9.4004
28 1,2-Dichlorobenzene	146	3.948	3.948	(1.036)	1139519	10.0000	9.0294
29 Benzyl Alcohol	108	3.942	3.942	(1.035)	1174098	10.0000	9.4916
30 2-Methylphenol	108	4.028	4.028	(1.057)	1662050	10.0000	9.9320
31 bis(2-Chloroisopropyl)ether	45	4.055	4.055	(1.065)	1958326	10.0000	9.5156
37 Acetophenone	105	4.161	4.161	(1.093)	2213314	10.0000	9.0418
32 N-Nitroso-di-n-propylamine	70	4.183	4.183	(1.098)	1341106	10.0000	9.3495
192 4-Methylphenol	108	4.167	4.167	(1.094)	1676174	10.0000	9.6957
34 Hexachloroethane	117	4.226	4.226	(1.109)	497985	10.0000	9.4548
35 Nitrobenzene	77	4.295	4.295	(0.883)	1897338	10.0000	10.064
41 Isophorone	82	4.509	4.509	(0.926)	3546929	10.0000	10.185
42 2-Nitrophenol	139	4.557	4.557	(0.936)	760119	10.0000	10.116
43 2,4-Dimethylphenol	107	4.605	4.605	(0.946)	1753243	10.0000	10.356
44 bis(2-Chloroethoxy)methane	93	4.690	4.690	(0.964)	2029382	10.0000	10.038
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	4.562	4.562	(0.937)	1049437	10.0000	9.6840
48 2,4-Dichlorophenol	162	4.754	4.754	(0.977)	1078742	10.0000	10.128

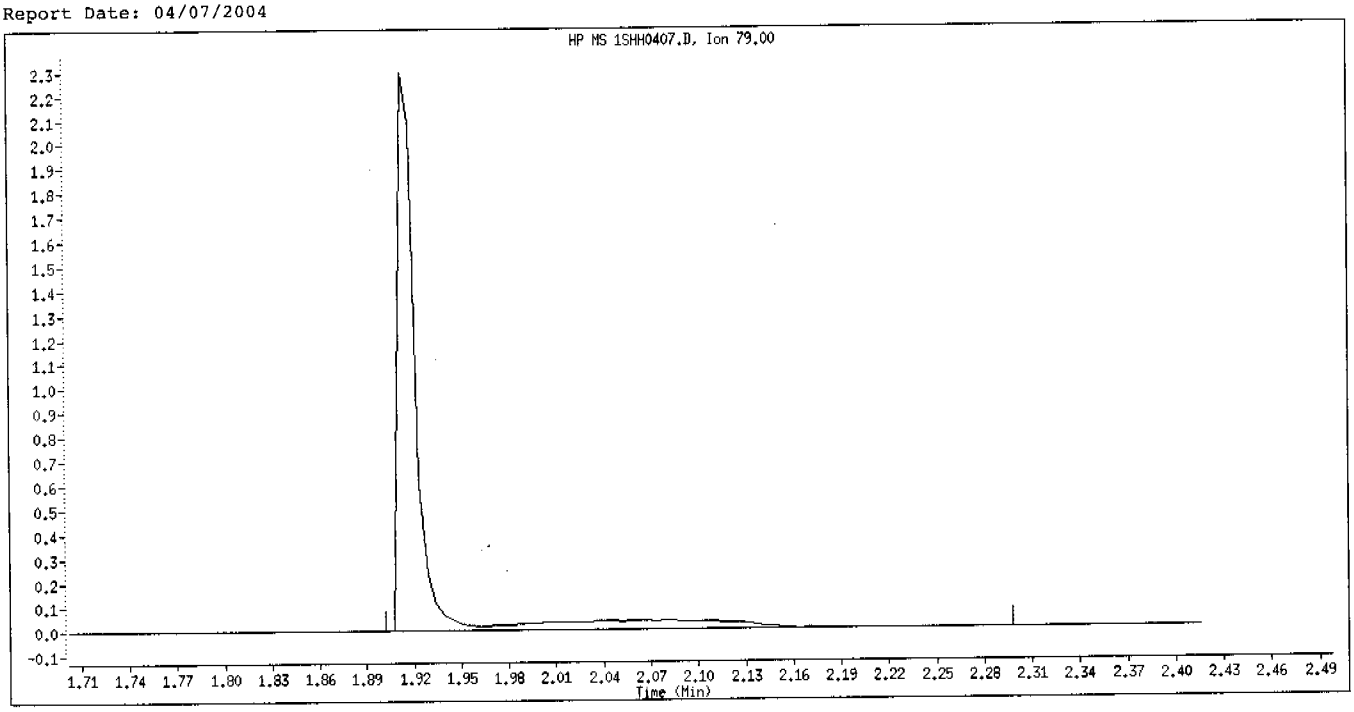
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.792	4.792	(0.985)	1956729	20.0000	21.458(QM)
50 1,2,4-Trichlorobenzene	180	4.824	4.824	(0.991)	1061160	10.0000	9.8750
51 Naphthalene	128	4.888	4.888	(1.004)	3926840	10.0000	9.9325
52 4-Chloroaniline	127	4.941	4.941	(1.015)	1675644	10.0000	10.165
56 Hexachlorobutadiene	225	4.995	4.995	(1.026)	529702	10.0000	9.7056
210 Caprolactam	113	5.289	5.289	(1.087)	545907	10.0000	10.339
57 1,2,3-Trichlorobenzene	180	5.005	5.005	(1.029)	991276	10.0000	9.8144
59 4-Chloro-3-Methylphenol	107	5.358	5.358	(1.101)	1545765	10.0000	10.349
62 2-Methylnaphthalene	142	5.465	5.465	(1.123)	2501489	10.0000	9.8418
63 1-Methylnaphthalene	142	5.545	5.545	(1.139)	2411019	10.0000	9.8730
64 Hexachlorocyclopentadiene	237	5.598	5.598	(0.885)	604016	10.0000	10.540
66 2,4,6-Trichlorophenol	196	5.705	5.705	(0.902)	798622	10.0000	9.7702
67 2,4,5-Trichlorophenol	196	5.737	5.737	(0.907)	859566	10.0000	10.675
211 1,1'-Biphenyl	154	5.860	5.860	(0.927)	2843777	10.0000	9.4284
68 1,2,3,5-Tetrachlorobenzene	216	5.593	5.593	(0.884)	913932	10.0000	9.6071
70 2-Chloronaphthalene	162	5.871	5.871	(0.928)	2169102	10.0000	9.7028
73 2-Nitroaniline	65	5.962	5.962	(0.943)	1016657	10.0000	10.341
74 1,2,3,4-Tetrachlorobenzene	216	5.839	5.839	(0.923)	891738	10.0000	9.8366
76 Dimethylphthalate	163	6.127	6.127	(0.969)	2639344	10.0000	10.067
78 2,6-Dinitrotoluene	165	6.170	6.170	(0.976)	609839	10.0000	10.458
79 Acenaphthylene	152	6.207	6.207	(0.981)	3862980	10.0000	9.7354
80 1,2-Dinitrobenzene	168	6.213	6.213	(0.982)	310388	10.0000	10.715
81 3-Nitroaniline	138	6.304	6.304	(0.997)	730930	10.0000	10.972
82 Acenaphthene	153	6.352	6.352	(1.004)	2360903	10.0000	9.6424
83 2,4-Dinitrophenol	184	6.394	6.394	(1.011)	935025	20.0000	19.569
85 4-Nitrophenol	109	6.453	6.453	(1.020)	438126	10.0000	9.8773
86 Dibenzofuran	168	6.496	6.496	(1.027)	3127627	10.0000	9.5802
87 2,4-Dinitrotoluene	165	6.501	6.501	(1.028)	824324	10.0000	10.072
91 2,3,5,6-Tetrachlorophenol	232	6.565	6.565	(1.038)	694208	10.0000	10.058
93 Diethylphthalate	149	6.715	6.715	(1.062)	2602316	10.0000	9.7101
94 Fluorene	166	6.779	6.779	(1.072)	2527861	10.0000	9.4722
95 4-Chlorophenyl-phenylether	204	6.790	6.790	(1.073)	1160173	10.0000	9.4405
96 4-Nitroaniline	138	6.816	6.816	(1.078)	787813	10.0000	11.066
98 4,6-Dinitro-2-methylphenol	198	6.833	6.833	(0.906)	590987	10.0000	10.047
99 N-Nitrosodiphenylamine	169	6.891	6.891	(0.914)	1957483	10.0000	9.8218
100 1,2-Diphenylhydrazine	77	6.918	6.918	(0.917)	3814097	10.0000	10.071
106 4-Bromophenyl-phenylether	248	7.190	7.190	(0.953)	682799	10.0000	10.022
107 Hexachlorobenzene	284	7.223	7.223	(0.958)	704693	10.0000	9.8004
212 Atrazine	200	7.345	7.345	(0.974)	708661	10.0000	9.8191
111 Pentachlorophenol	266	7.388	7.388	(0.979)	564694	10.0000	10.560
115 Phenanthrene	178	7.564	7.564	(1.003)	3949952	10.0000	9.6380
116 Anthracene	178	7.607	7.607	(1.008)	3939327	10.0000	9.9211
119 Carbazole	167	7.746	7.746	(1.027)	3531538	10.0000	9.9660
120 Di-n-Butylphthalate	149	8.056	8.056	(1.068)	4481660	10.0000	9.8853
123 Fluoranthene	202	8.542	8.542	(1.132)	3974568	10.0000	9.6998
124 Benzidine	184	8.665	8.665	(0.891)	2069635	10.0000	9.9862
125 Pyrene	202	8.724	8.724	(0.897)	4148576	10.0000	9.9323
131 Butylbenzylphthalate	149	9.285	9.285	(0.954)	1963129	10.0000	10.199
133 3,3'-Dimethoxybenzidine	244	9.707	9.707	(0.998)	815598	10.0000	10.467
135 3,3'-Dichlorobenzidine	252	9.712	9.712	(0.998)	1375333	10.0000	9.8066
136 Benzo(a)Anthracene	228	9.717	9.717	(0.999)	3740485	10.0000	9.1434
137 Chrysene	228	9.755	9.755	(1.003)	3708669	10.0000	9.7688
138 4,4'-Methylene bis(o-chloroan	231	9.717	9.717	(0.999)	658639	10.0000	9.1962
139 bis(2-ethylhexyl)Phthalate	149	9.776	9.776	(1.005)	2719227	10.0000	9.7254

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.316	10.316	(0.947)	4656757	10.0000	10.244
141 Benzo(b)fluoranthene	252	10.599	10.599	(0.974)	4316989	10.0000	10.204
142 Benzo(k)fluoranthene	252	10.620	10.620	(0.975)	3722977	10.0000	9.1062
146 Benzo(a)pyrene	252	10.850	10.850	(0.997)	3526691	10.0000	9.8534
149 Indeno(1,2,3-cd)pyrene	276	11.817	11.817	(1.085)	4243534	10.0000	9.9817
150 Dibenz(a,h)anthracene	278	11.844	11.844	(1.088)	3571604	10.0000	10.029
151 Benzo(g,h,i)perylene	276	12.089	12.089	(1.110)	3566445	10.0000	10.016
$ 154 Nitrobenzene-d5	82	4.279	4.279	(0.879)	1875426	10.0000	10.059
$ 155 2-Fluorobiphenyl	172	5.780	5.780	(0.914)	2632162	10.0000	9.7268
$ 156 Terphenyl-d14	244	8.868	8.868	(0.912)	2674386	10.0000	9.8510
$ 157 Phenol-d5	99	3.520	3.520	(0.924)	2110024	10.0000	9.6975
$ 158 2-Fluorophenol	112	2.772	2.772	(0.728)	1353339	10.0000	8.9345
$ 159 2,4,6-Tribromophenol	330	6.977	6.977	(1.103)	350934	10.0000	10.056
$ 186 2-Chlorophenol-d4	132	3.627	3.627	(0.952)	1300686	10.0000	9.6871
$ 187 1,2-Dichlorobenzene-d4	152	3.937	3.937	(1.034)	675499	10.0000	8.9536(Q)
101 Diphenylamine	169	6.891	6.891	(0.914)	1957483	10.0000	9.8218

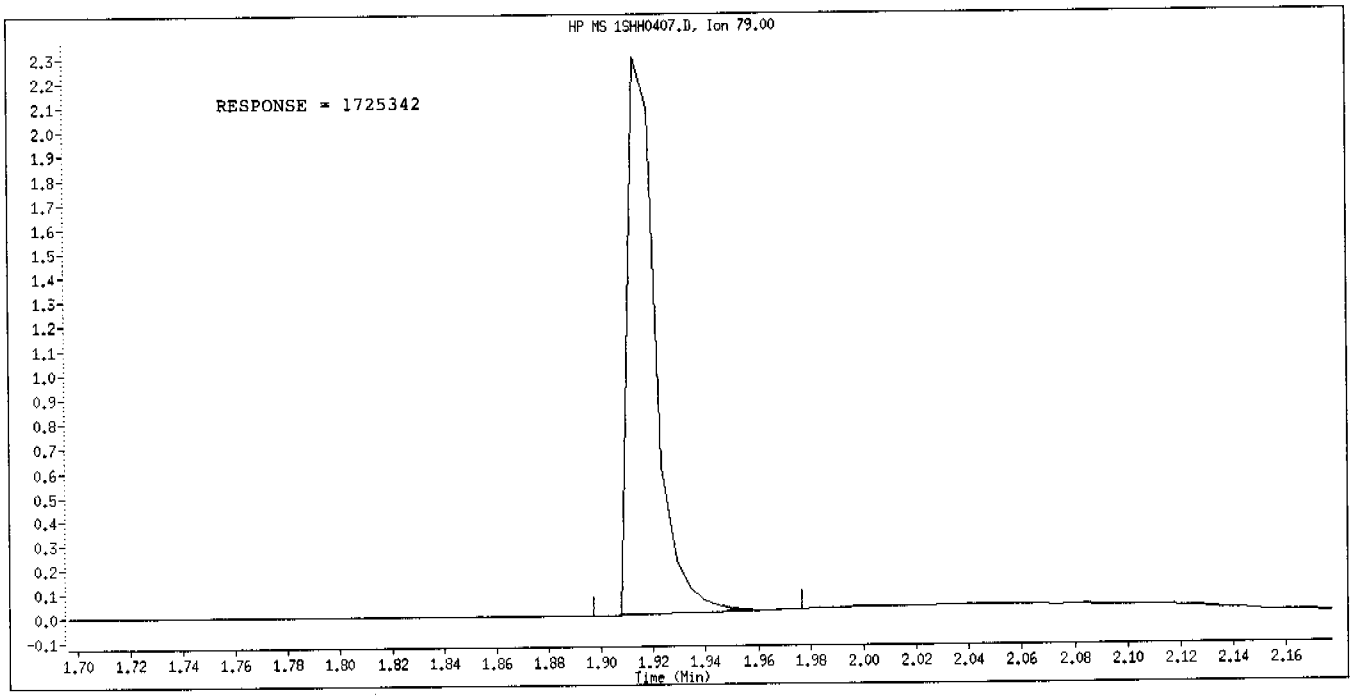
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Inj. Date and Time: 07-APR-2004 13:23
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/07/2004



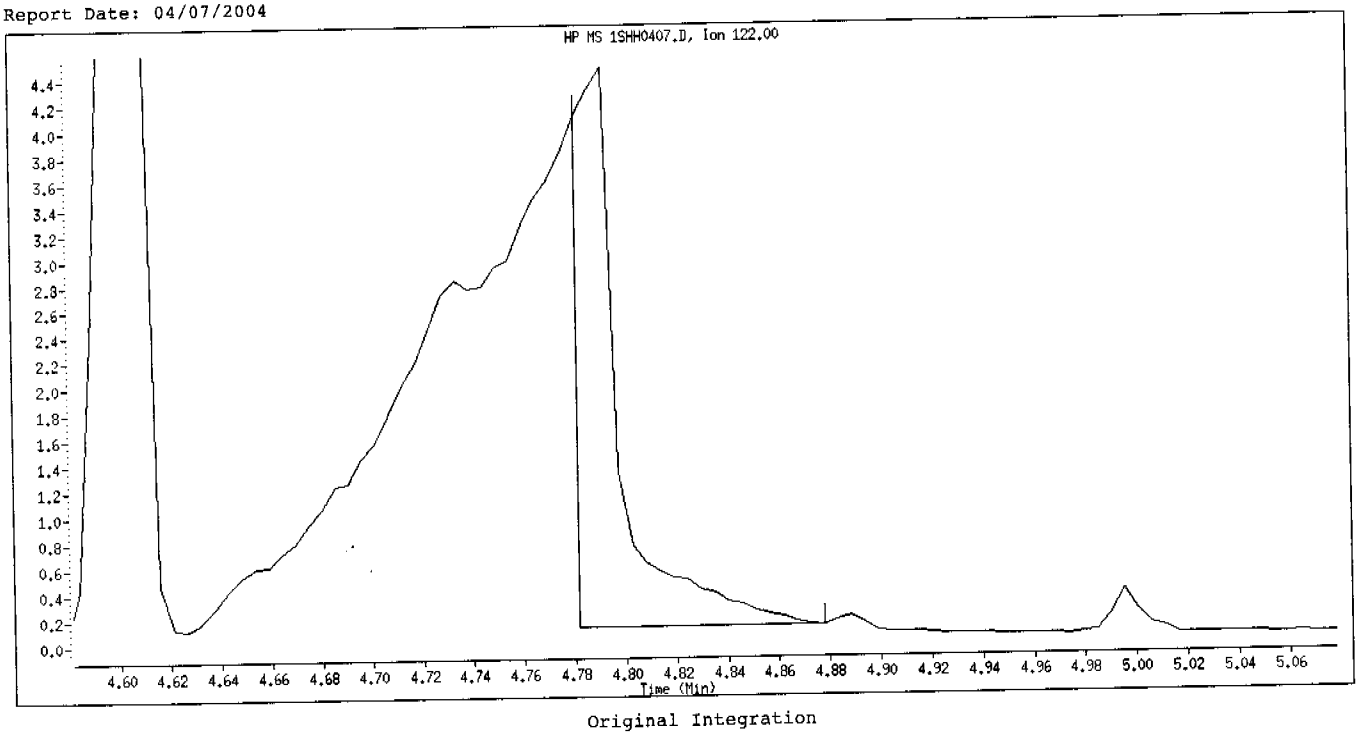
Original Integration



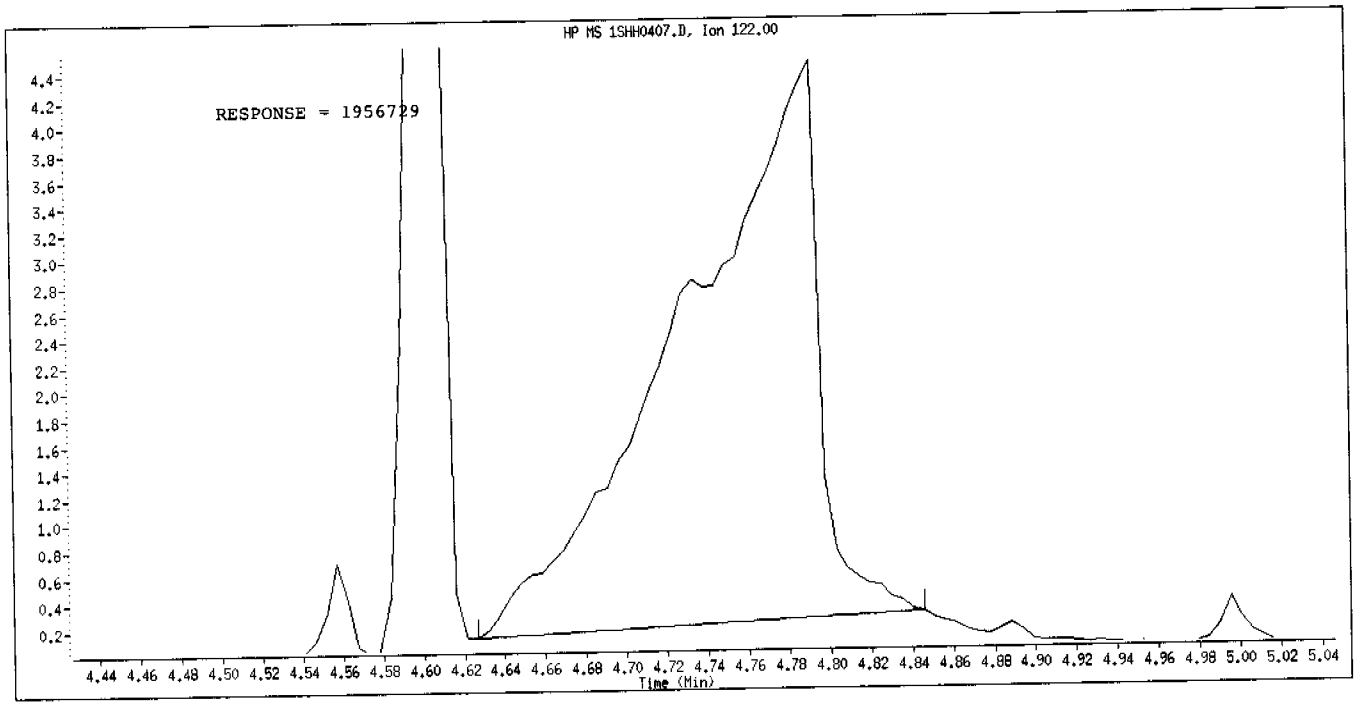
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 13:23
Instrument ID: a4hp10.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/07/2004



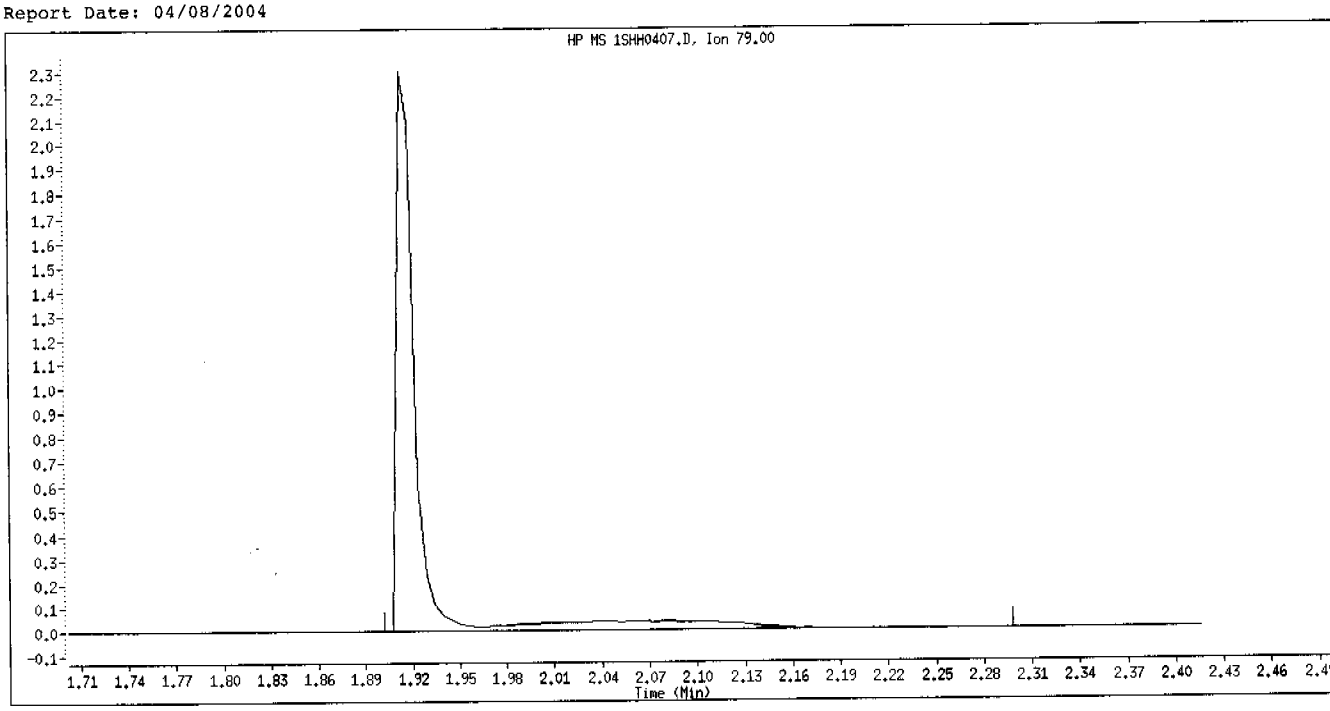
Original Integration



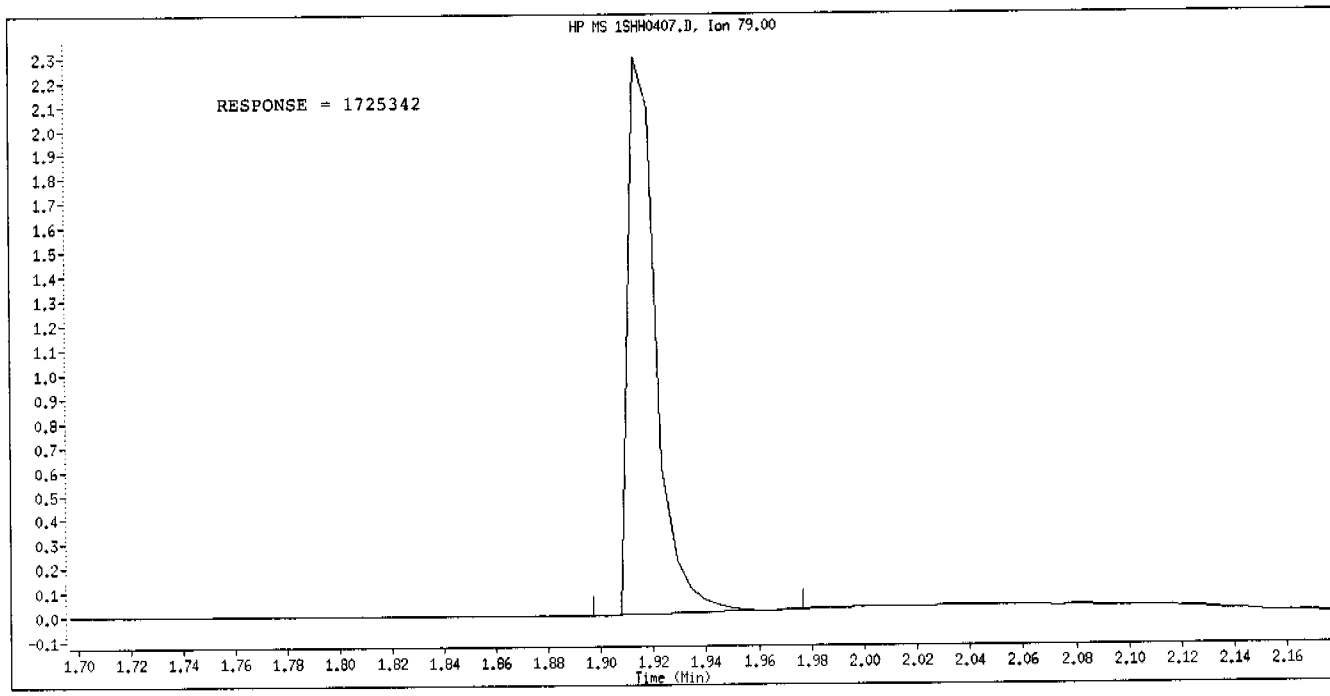
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Inj. Date and Time: 07-APR-2004 13:23
Instrument ID: a4hpl0.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/08/2004



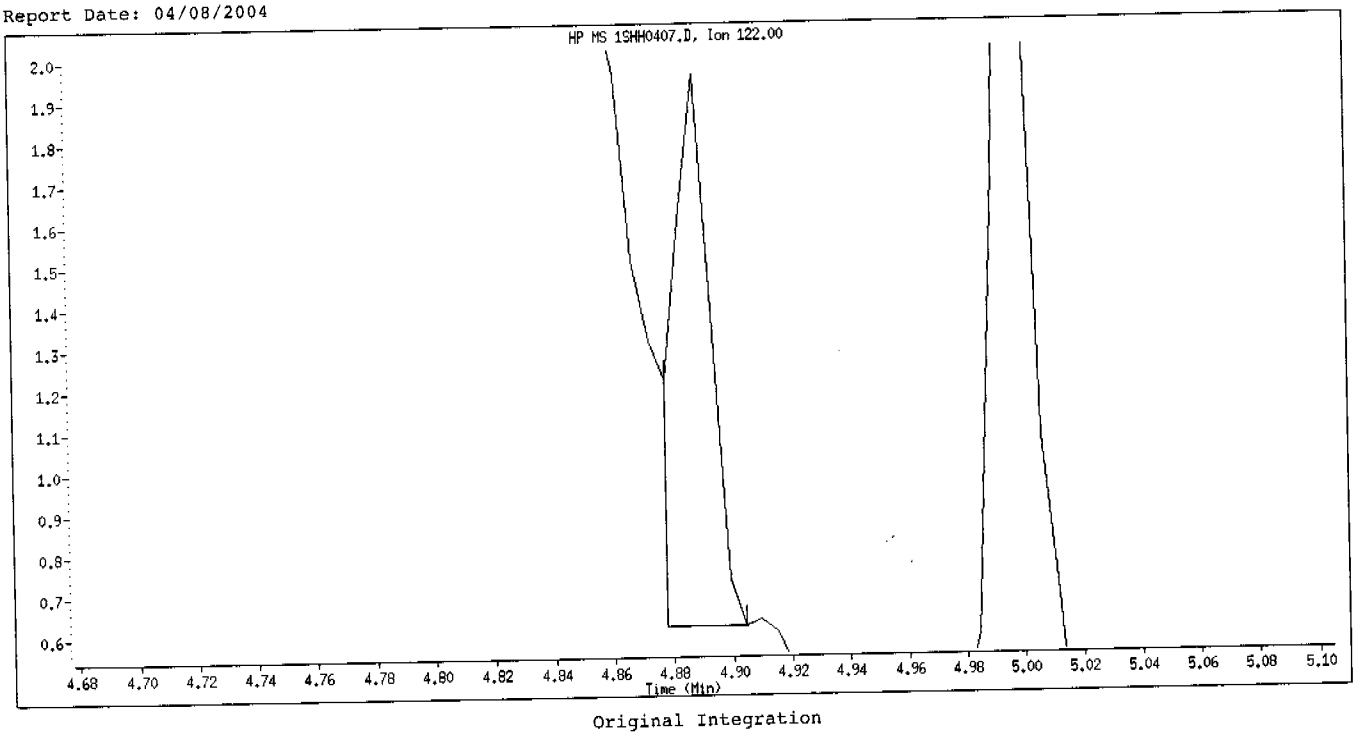
Original Integration



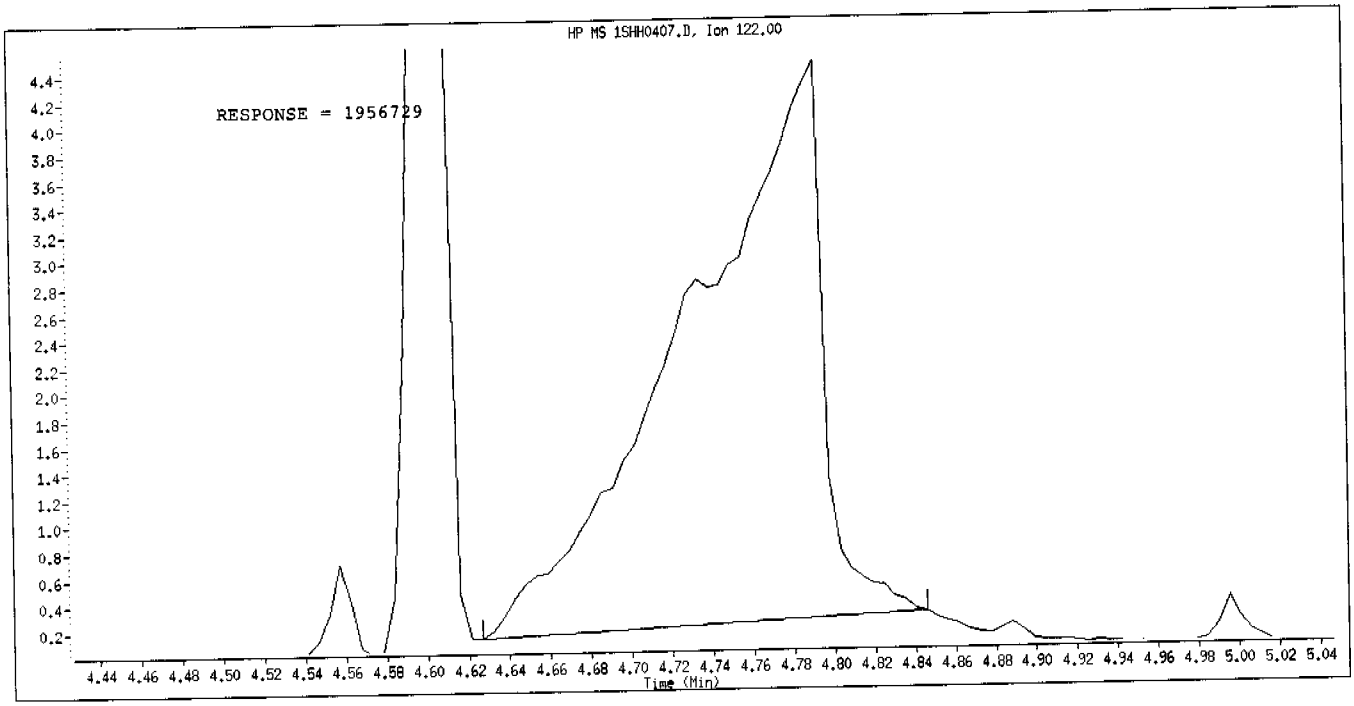
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 13:23
Instrument ID: a4hp10.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/08/2004



Original Integration



Manual Integration

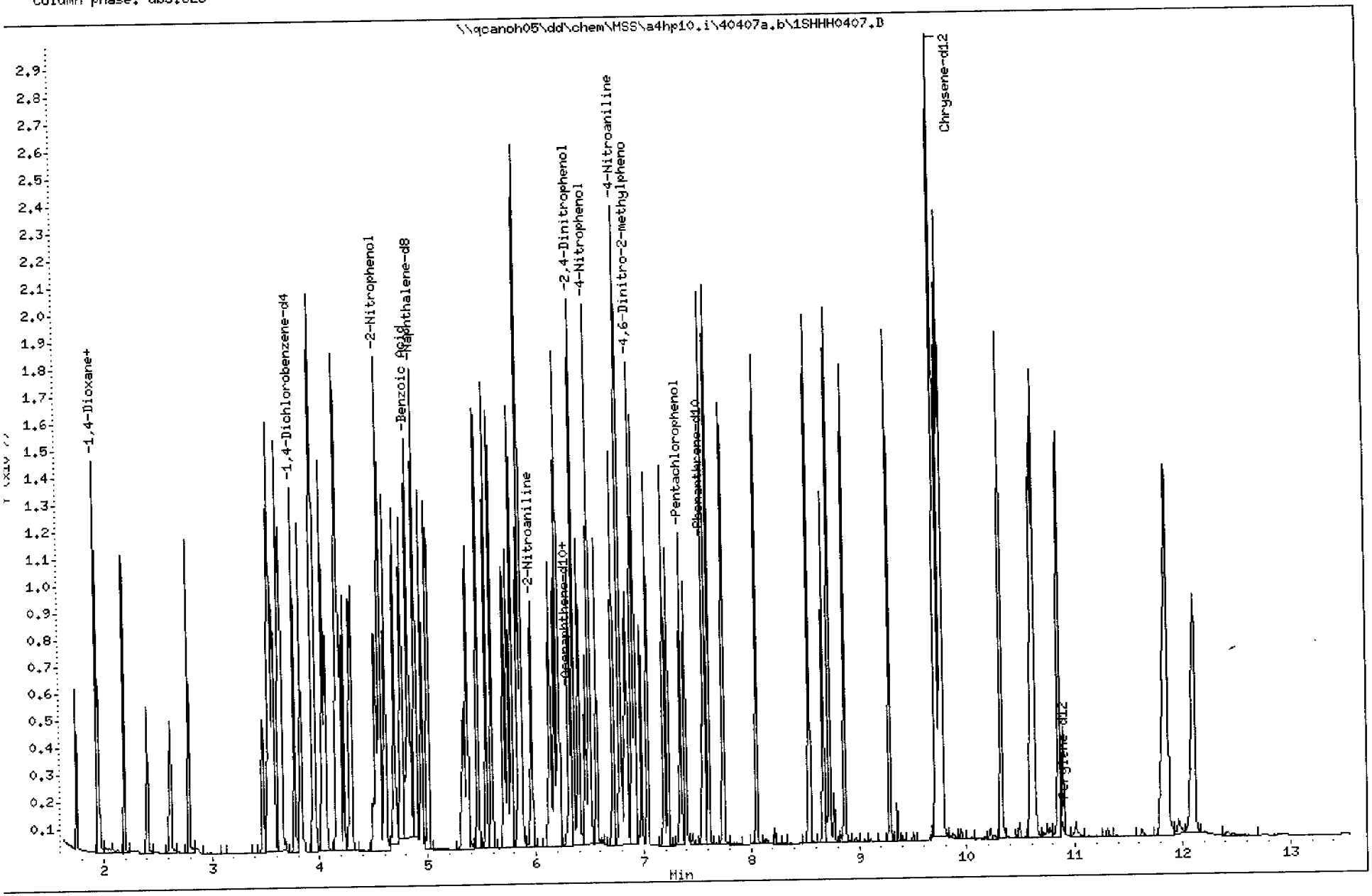
Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SHHH0407.D
Date : 07-APR-2004 13:45
Client ID:
Sample Info: 19,40407a.b,8270p,19.sub,1,,9

Instrument: a4hp10.i

Operator: 046900
Column diameter: 0.32

Column phase: db5.625



Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SHHH0407.D
Report Date: 08-Apr-2004 06:38

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

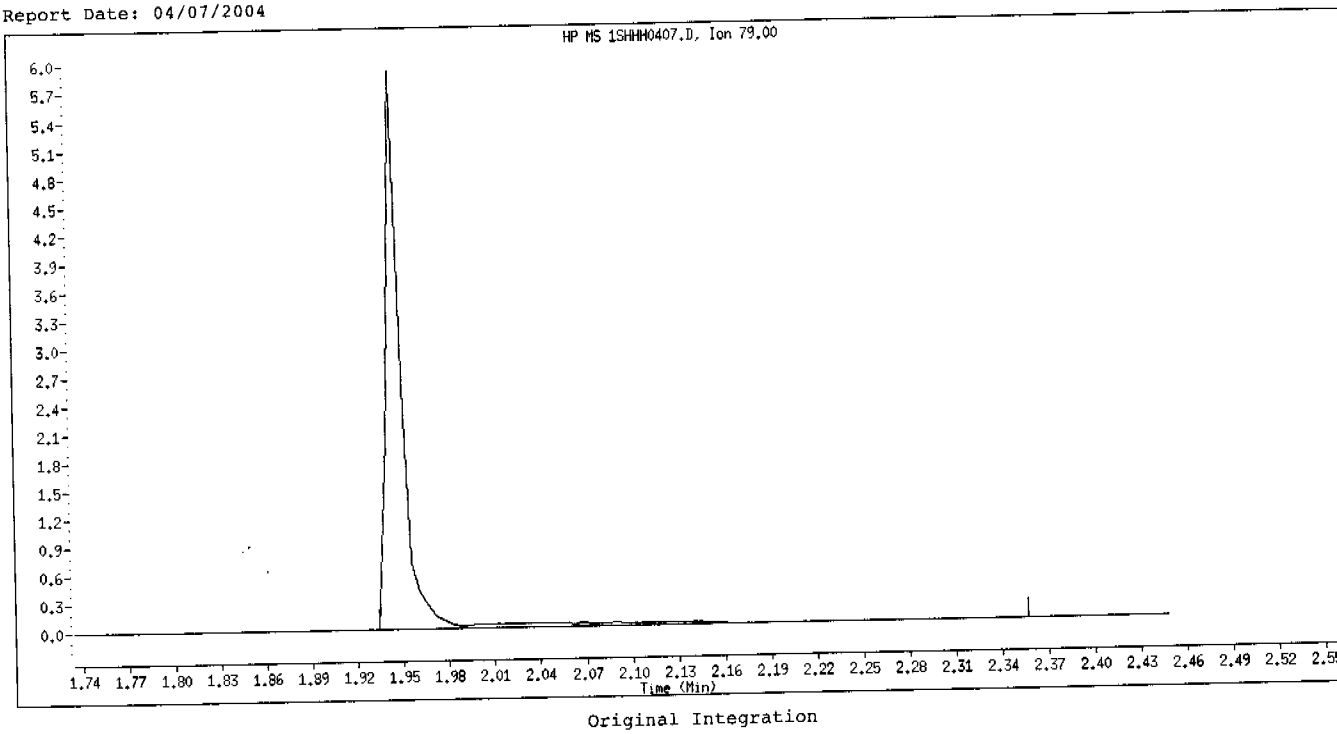
Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1SHHH0407.D
Lab Smp Id: 19
Inj Date : 07-APR-2004 13:45
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 19,40407a.b,8270p,19.sub,1,,9
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:38 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 16:16 Cal File: 1AHH0407.D
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 19.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.820	3.820	(1.000)	336537	2.00000	(Q)
* 2 Naphthalene-d8	136	4.872	4.872	(1.000)	1288393	2.00000	
* 3 Acenaphthene-d10	164	6.330	6.330	(1.000)	713491	2.00000	
* 4 Phenanthrene-d10	188	7.548	7.548	(1.000)	1224985	2.00000	
* 5 Chrysene-d12	240	9.739	9.739	(1.000)	1045814	2.00000	
* 6 Perylene-d12	264	10.893	10.893	(1.000)	882994	2.00000	
42 2-Nitrophenol	139	4.567	4.567	(0.938)	1504676	12.5000	11.974
49 Benzoic Acid	122	4.851	4.851	(0.996)	3597027	25.0000	23.842(M)
83 2,4-Dinitrophenol	184	6.411	6.411	(1.013)	2088984	25.0000	25.202
85 4-Nitrophenol	109	6.469	6.469	(1.022)	924282	12.5000	12.556
98 4,6-Dinitro-2-methylphenol	198	6.854	6.854	(0.908)	1224911	12.5000	12.457
111 Pentachlorophenol	266	7.399	7.399	(0.980)	1160696	12.5000	13.094
124 Benzidine	184	Compound Not Detected.					
198 1,4-Dioxane	88	1.752	1.752	(0.459)	1354480	12.5000	11.608
9 Pyridine	79	1.944	1.944	(0.509)	3806728	12.5000	12.233(M)
73 2-Nitroaniline	65	5.972	5.972	(0.943)	2112669	12.5000	13.139
81 3-Nitroaniline	138	6.320	6.320	(0.998)	1504821	12.5000	13.811
96 4-Nitroaniline	138	6.843	6.843	(1.081)	1543470	12.5000	13.256

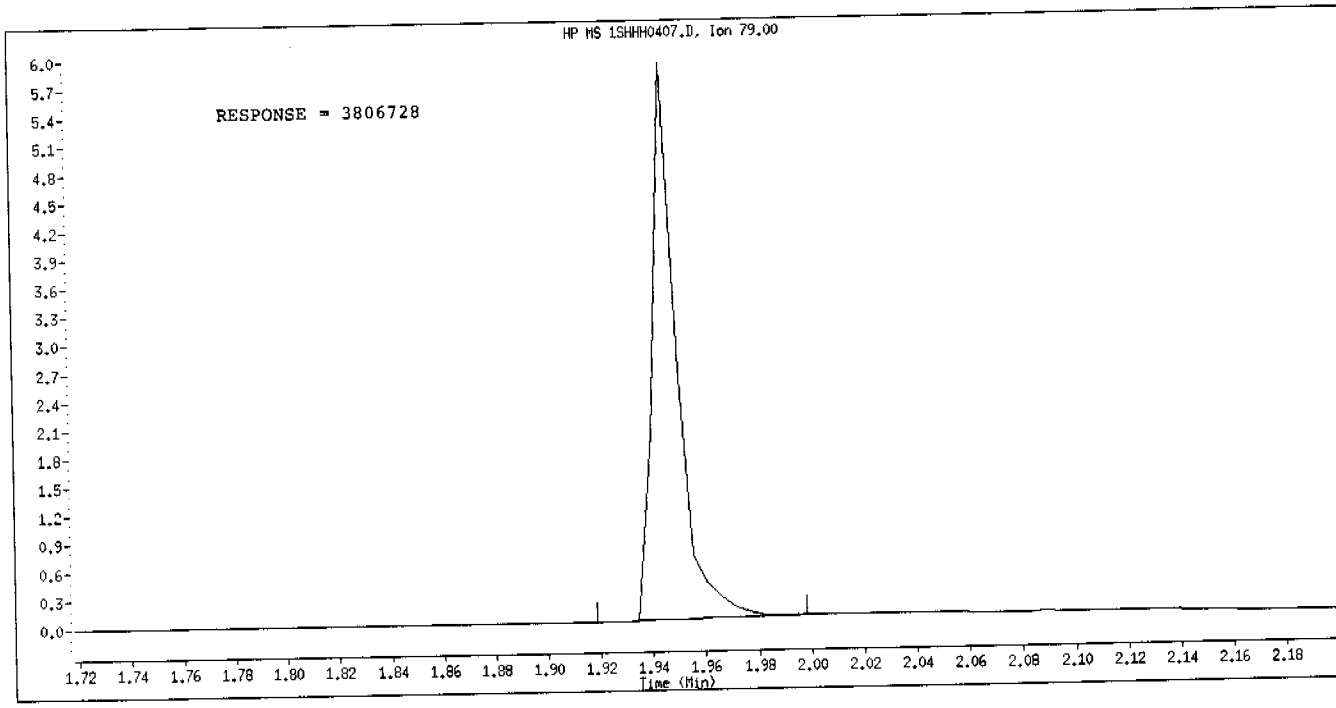
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Inj. Date and Time: 07-APR-2004 13:45
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/07/2004



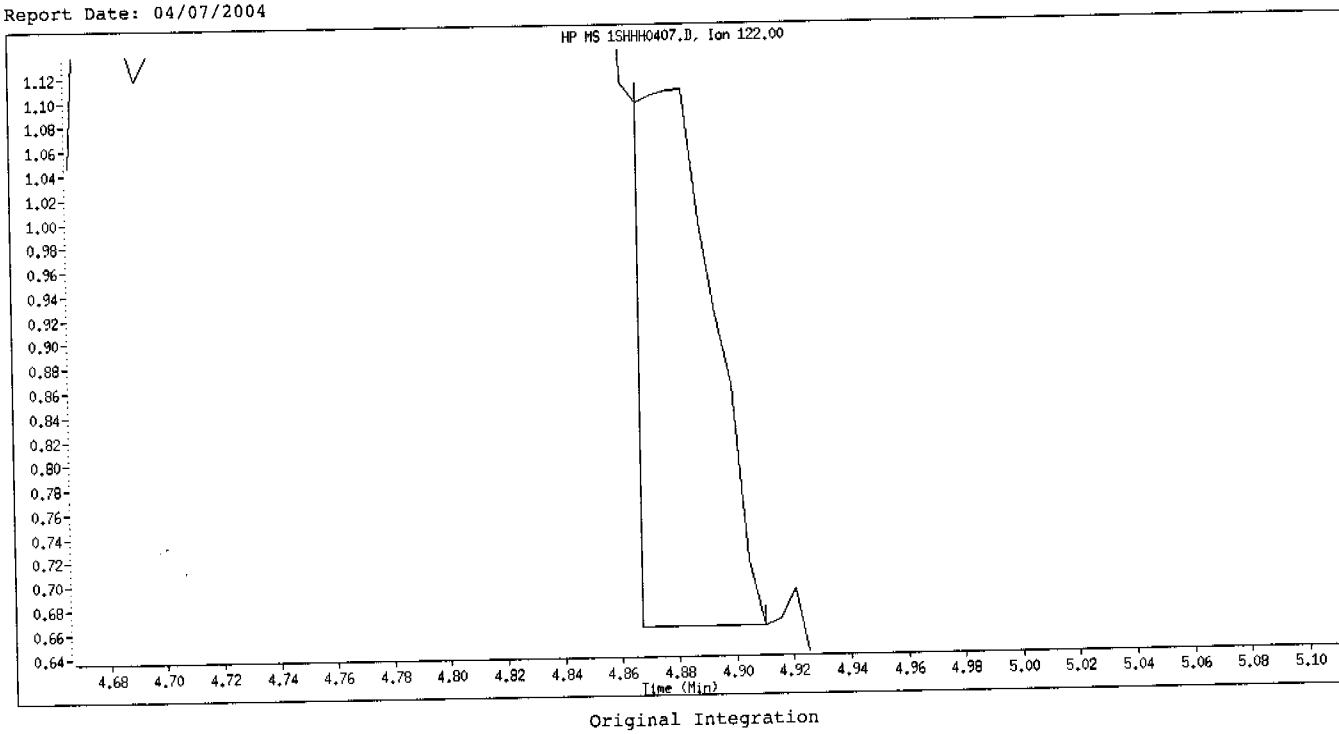
Original Integration



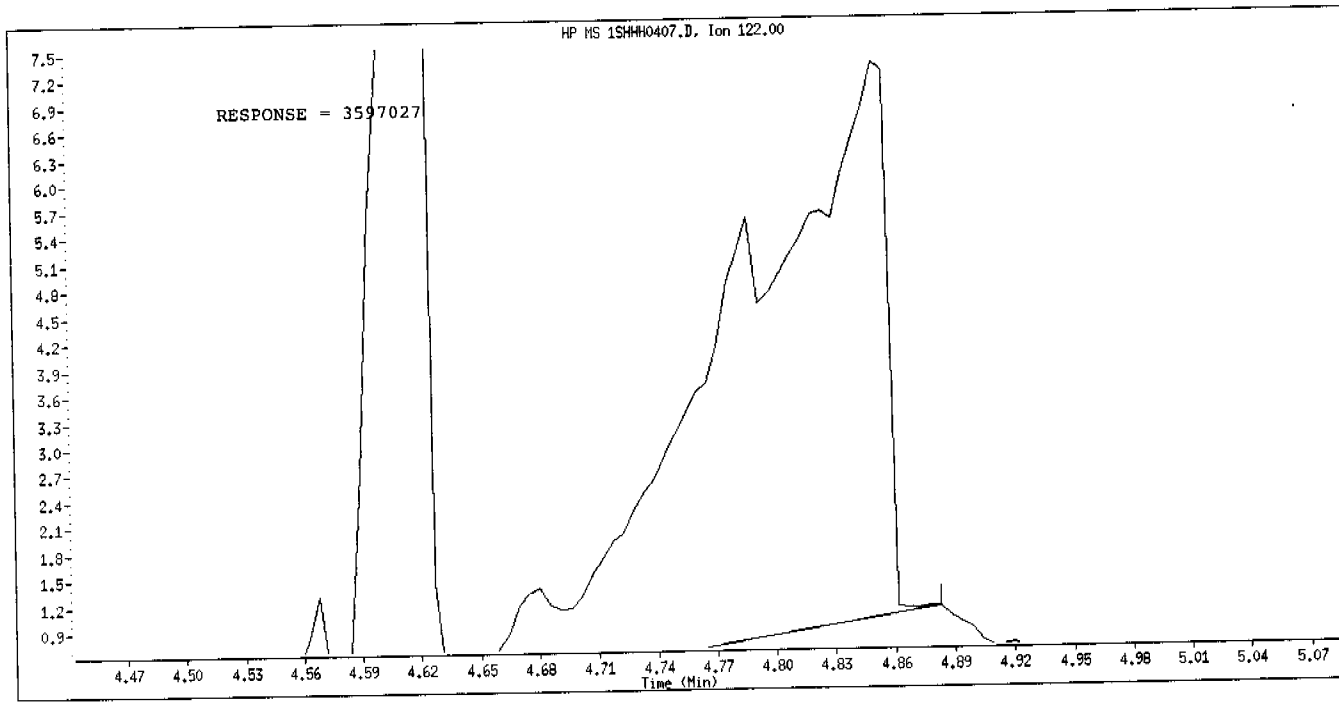
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Inj. Date and Time: 07-APR-2004 13:45
Instrument ID: a4hpl0.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/07/2004



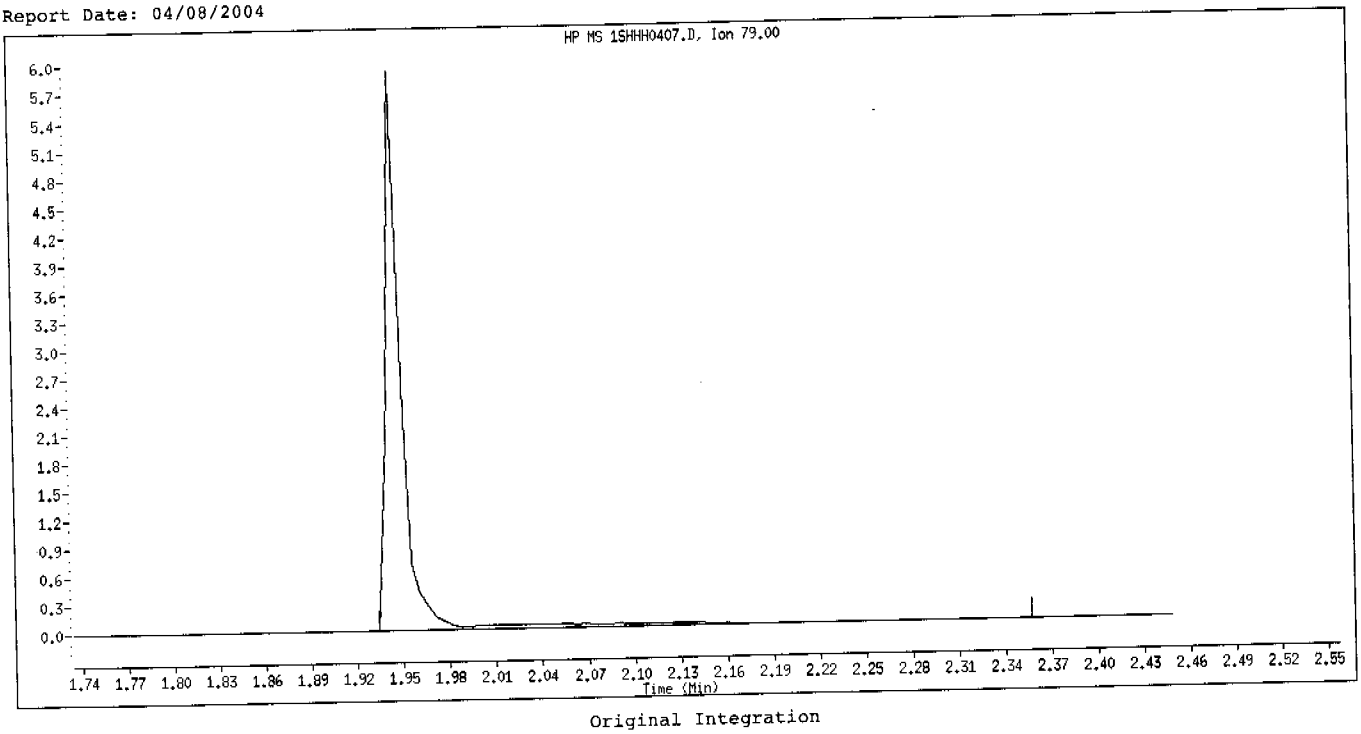
Original Integration



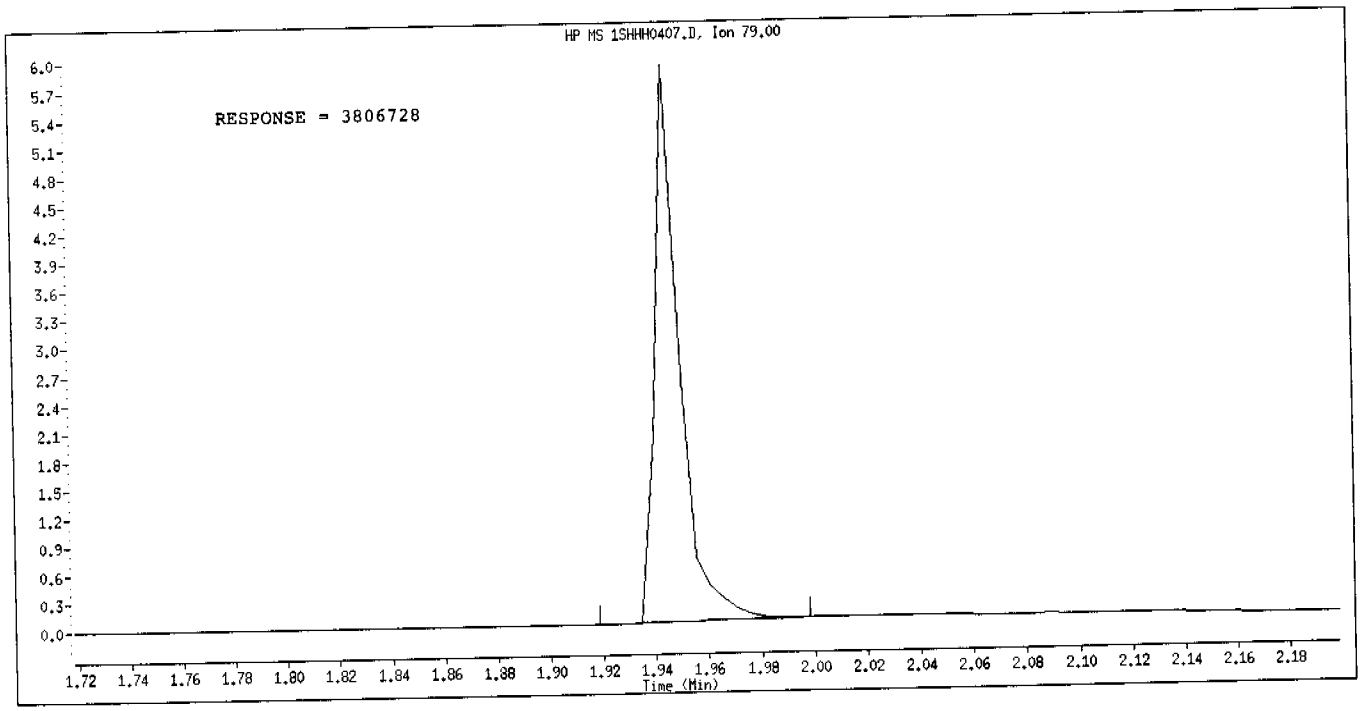
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Inj. Date and Time: 07-APR-2004 13:45
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/08/2004



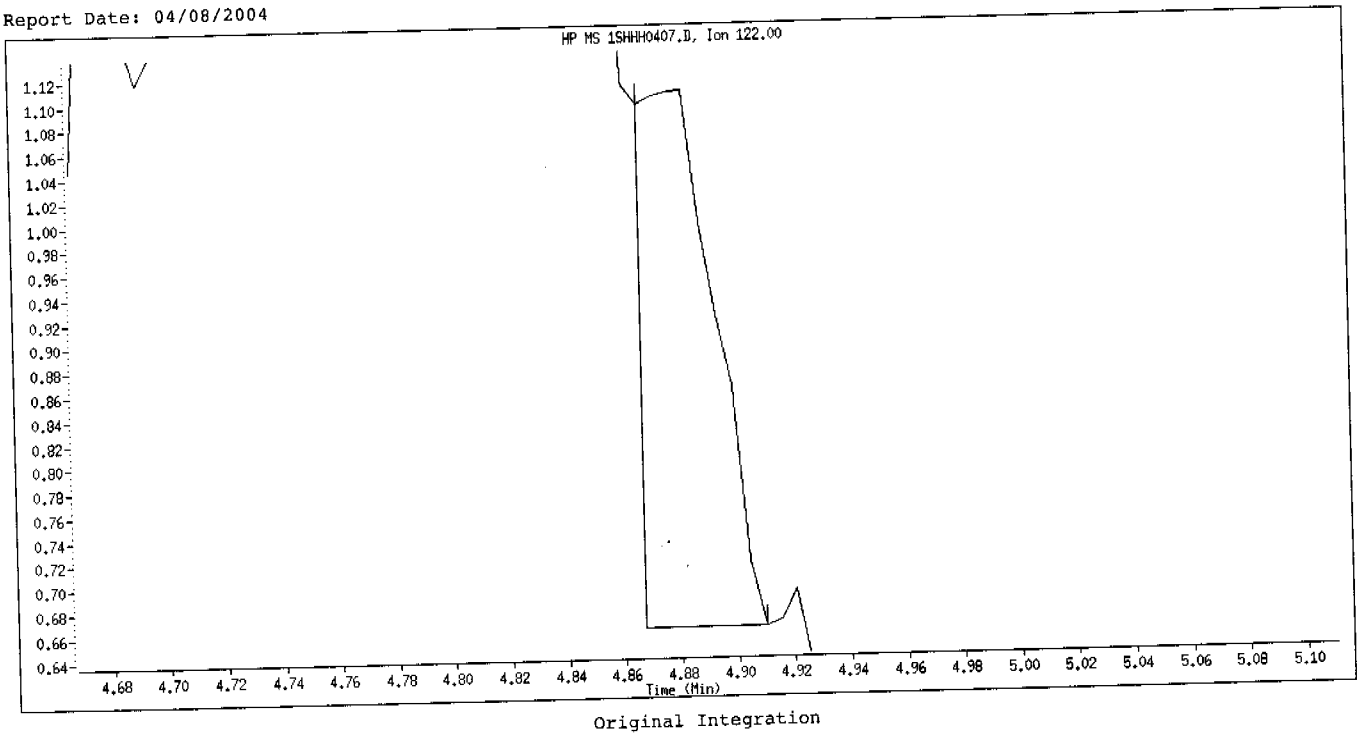
Original Integration



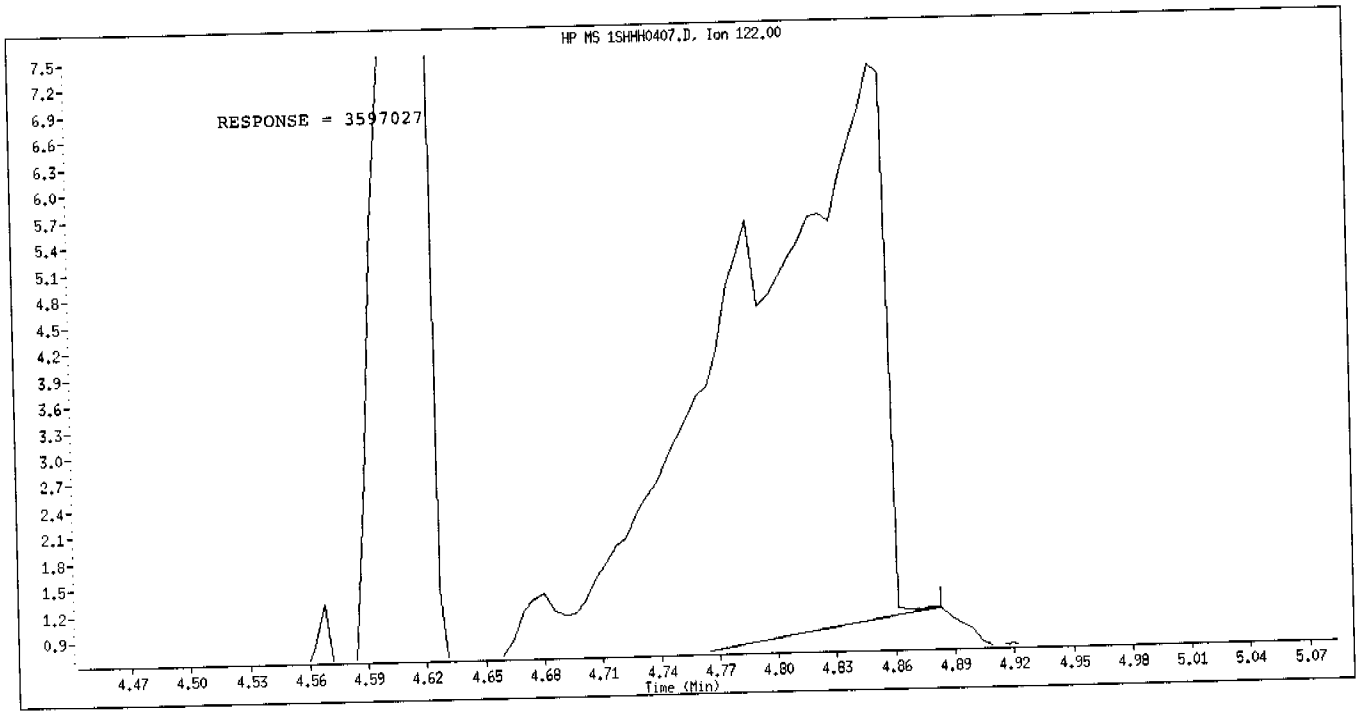
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Inj. Date and Time: 07-APR-2004 13:45
Instrument ID: a4hpl0.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/08/2004



Original Integration



Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\ICVTCL.D
Report Date: 08-Apr-2004 06:48

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp10.i
Lab File ID: ICVTCL.D
Analysis Type:
Lab Sample ID: ivbtcl
Method: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m

Injection Date: 07-APR-2004 14:07
Init. Cal. Date(s): 07-APR-2004 07-APR-2004
Init. Cal. Times: 10:28 16:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF3	CCAL RRF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
198 1,4-Dioxane	0.69346	0.80307	0.80307	0.010	-15.80721	50.00000	Averaged
9 Pyridine	1.84932	1.95828	1.95828	0.010	-5.89206	50.00000	Averaged
10 N-Nitrosodimethylamine	1.36466	1.37548	1.37548	0.010	-0.79296	50.00000	Averaged
12 3-Chloropropionitrile	0.91012	0.92436	0.92436	0.010	-1.56475	50.00000	Averaged
209 Benzaldehyde	1.35214	1.39037	1.39037	0.010	-2.82769	50.00000	Averaged
21 Aniline	3.22274	3.28625	3.28625	0.010	-1.97057	50.00000	Averaged
22 Phenol	2.56747	2.85005	2.85005	0.010	-11.00642	20.00000	Averaged
23 bis(2-Chloroethyl)ether	1.84651	1.88072	1.88072	0.010	-1.85278	50.00000	Averaged
24 2-Chlorophenol	1.43335	1.56129	1.56129	0.010	-8.92597	50.00000	Averaged
26 1,3-Dichlorobenzene	1.38490	1.48161	1.48161	0.010	-6.98334	50.00000	Averaged
27 1,4-Dichlorobenzene	1.25486	1.29498	1.29498	0.010	-3.19776	20.00000	Averaged
28 1,2-Dichlorobenzene	1.34107	1.37982	1.37982	0.010	-2.88929	50.00000	Averaged
29 Benzyl Alcohol	1.31448	1.33776	1.33776	0.010	-1.77083	50.00000	Averaged
30 2-Methylphenol	1.77826	1.89123	1.89123	0.010	-6.35255	50.00000	Averaged
31 bis(2-Chloroisopropyl)ether	2.18696	2.19777	2.19777	0.010	-0.49426	50.00000	Averaged
37 Acetophenone	2.79541	2.44101	2.44101	0.010	12.67798	50.00000	Averaged
32 N-Nitroso-di-n-propylamine	1.52427	1.54411	1.54411	0.050	-1.30154	50.00000	Averaged
192 4-Methylphenol	1.83709	1.97446	1.97446	0.010	-7.47798	50.00000	Averaged
34 Hexachloroethane	0.55969	0.60582	0.60582	0.010	-8.24081	50.00000	Averaged
35 Nitrobenzene	0.48945	0.50654	0.50654	0.010	-3.49136	50.00000	Averaged
41 Isophorone	0.90407	0.93661	0.93661	0.010	-3.59864	50.00000	Averaged
42 2-Nitrophenol	0.19506	0.22218	0.22218	0.010	-13.90286	20.00000	Averaged
43 2,4-Dimethylphenol	0.43951	0.48355	0.48355	0.010	-10.02052	50.00000	Averaged
44 bis(2-Chloroethoxy)methane	0.52486	0.55048	0.55048	0.010	-4.88104	50.00000	Averaged
46 2,4-Toluenediamene	++++	0.00705	0.00705	0.010	++++	50.00000	Averaged <-
47 1,3,5-Trichlorobenzene	0.28134	0.29347	0.29347	0.010	-4.31243	50.00000	Averaged
48 2,4-Dichlorophenol	0.27653	0.31115	0.31115	0.010	-12.52072	20.00000	Averaged
49 Benzoic Acid	5.00000	4.94046	0.24273	0.010	1.19075	0.000e+000	Quadratic
50 1,2,4-Trichlorobenzene	0.27898	0.29290	0.29290	0.010	-4.99007	50.00000	Averaged
51 Naphthalene	1.02639	1.06142	1.06142	0.010	-3.41378	50.00000	Averaged
52 4-Chloroaniline	0.42797	0.46276	0.46276	0.010	-8.13015	50.00000	Averaged
56 Hexachlorobutadiene	0.14169	0.14552	0.14552	0.010	-2.70394	20.00000	Averaged
210 Caprolactam	0.13708	0.13924	0.13924	0.010	-1.57073	50.00000	Averaged
57 1,2,3-Trichlorobenzene	0.26222	0.27366	0.27366	0.010	-4.36290	50.00000	Averaged
59 4-Chloro-3-Methylphenol	0.38778	0.44203	0.44203	0.010	-13.98997	20.00000	Averaged
62 2-Methylnaphthalene	0.65986	0.68440	0.68440	0.010	-3.71884	50.00000	Averaged
63 1-Methylnaphthalene	0.63399	0.66018	0.66018	0.010	-4.13219	50.00000	Averaged
64 Hexachlorocyclopentadiene	0.26271	0.30333	0.30333	0.050	-15.46064	50.00000	Averaged
66 2,4,6-Trichlorophenol	0.37475	0.41941	0.41941	0.010	-11.91857	20.00000	Averaged
67 2,4,5-Trichlorophenol	0.36916	0.42411	0.42411	0.010	-14.88532	50.00000	Averaged
211 1,1'-Biphenyl	1.38279	1.45653	1.45653	0.010	-5.33303	50.00000	Averaged
68 1,2,3,5-Tetrachlorobenzene	0.43613	0.45927	0.45927	0.010	-5.30501	50.00000	Averaged

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\ICVTCL.D
Report Date: 08-Apr-2004 06:48

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp10.i
Lab File ID: ICVTCL.D
Analysis Type:
Lab Sample ID: ivbtcl
Method: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m

Injection Date: 07-APR-2004 14:07
Init. Cal. Date(s): 07-APR-2004 07-APR-2004
Init. Cal. Times: 10:28 16:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF3	CCAL RRF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 2-Chloronaphthalene	1.02489	1.09525	1.09525	0.010	-6.86498	50.00000	Averaged
73 2-Nitroaniline	0.45073	0.49232	0.49232	0.010	-9.22874	50.00000	Averaged
74 1,2,3,4-Tetrachlorobenzene	0.41561	0.43982	0.43982	0.010	-5.82483	50.00000	Averaged
76 Dimethylphthalate	1.20197	1.25802	1.25802	0.010	-4.66248	50.00000	Averaged
78 2,6-Dinitrotoluene	0.26735	0.29462	0.29462	0.010	-10.19999	50.00000	Averaged
79 Acenaphthylene	1.81914	1.91194	1.91194	0.010	-5.10138	50.00000	Averaged
80 1,2-Dinitrobenzene	0.13280	0.15121	0.15121	0.010	-13.86077	50.00000	Averaged
81 3-Nitroaniline	0.30543	0.35063	0.35063	0.010	-14.80147	50.00000	Averaged
82 Acenaphthene	1.12251	1.15403	1.15403	0.010	-2.80781	20.00000	Averaged
83 2,4-Dinitrophenol	5.00000	5.87588	0.22305	0.050	-17.51770	0.000e+000	Quadratic
85 4-Nitrophenol	2.50000	2.75343	0.20638	0.050	-10.13714	0.000e+000	Quadratic
86 Dibenzofuran	1.49671	1.56034	1.56034	0.010	-4.25090	50.00000	Averaged
87 2,4-Dinitrotoluene	0.37520	0.41110	0.41110	0.010	-9.56561	50.00000	Averaged
91 2,3,5,6-Tetrachlorophenol	0.31641	0.35683	0.35683	0.010	-12.77507	50.00000	Averaged
93 Diethylphthalate	1.22867	1.27071	1.27071	0.010	-3.42200	50.00000	Averaged
94 Fluorene	1.22349	1.28536	1.28536	0.010	-5.05702	50.00000	Averaged
95 4-Chlorophenyl-phenylether	0.56341	0.59155	0.59155	0.010	-4.99555	50.00000	Averaged
96 4-Nitroaniline	0.32638	0.34784	0.34784	0.010	-6.57494	50.00000	Averaged
98 4,6-Dinitro-2-methylphenol	2.50000	2.73246	0.16392	0.010	-9.29850	0.000e+000	Quadratic
99 N-Nitrosodiphenylamine	0.53943	0.58714	0.58714	0.010	-8.84511	20.00000	Averaged
100 1,2-Diphenylhydrazine	1.02501	1.06010	1.06010	0.010	-3.42376	50.00000	Averaged
106 4-Bromophenyl-phenylether	0.18439	0.19912	0.19912	0.010	-7.98845	50.00000	Averaged
107 Hexachlorobenzene	0.19462	0.20574	0.20574	0.010	-5.71619	50.00000	Averaged
212 Atrazine	0.19534	0.18619	0.18619	0.010	4.68715	50.00000	Averaged
111 Pentachlorophenol	0.14473	0.15448	0.15448	0.010	-6.73421	20.00000	Averaged
115 Phenanthrene	1.10926	1.15148	1.15148	0.010	-3.80644	50.00000	Averaged
116 Anthracene	1.07471	1.14858	1.14858	0.010	-6.87383	50.00000	Averaged
119 Carbazole	0.95912	1.01095	1.01095	0.010	-5.40415	50.00000	Averaged
120 Di-n-Butylphthalate	1.22709	1.30382	1.30382	0.010	-6.25326	50.00000	Averaged
123 Fluoranthene	1.10907	1.14741	1.14741	0.010	-3.45683	20.00000	Averaged
124 Benzidine	2.50000	2.94704	0.58764	0.010	-17.88142	0.000e+000	Quadratic
125 Pyrene	1.23063	1.27459	1.27459	0.010	-3.57261	50.00000	Averaged
131 Butylbenzylphthalate	0.56711	0.59904	0.59904	0.010	-5.63019	50.00000	Averaged
133 3,3'-Dimethoxybenzidine	0.22958	0.28573	0.28573	0.010	-24.45778	50.00000	Averaged
135 3,3'-Dichlorobenzidine	0.41321	0.44222	0.44222	0.010	-7.02202	50.00000	Averaged
136 Benzo(a)Anthracene	1.20530	1.18853	1.18853	0.010	1.39131	50.00000	Averaged
137 Chrysene	1.11855	1.12204	1.12204	0.010	-0.31212	50.00000	Averaged
138 4,4'-Methylene bis(o-chloro	0.21102	0.22628	0.22628	0.010	-7.23438	50.00000	Averaged
139 bis(2-ethylhexyl)Phthalate	0.82379	0.85530	0.85530	0.010	-3.82592	50.00000	Averaged
140 Di-n-octylphthalate	1.77713	1.86413	1.86413	0.010	-4.89542	20.00000	Averaged
141 Benzo(b)fluoranthene	1.65393	1.59416	1.59416	0.010	3.61342	50.00000	Averaged
142 Benzo(k)fluoranthene	1.59825	1.82244	1.82244	0.010	-14.02733	50.00000	Averaged

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\ICVTCL.D
Report Date: 08-Apr-2004 06:48

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

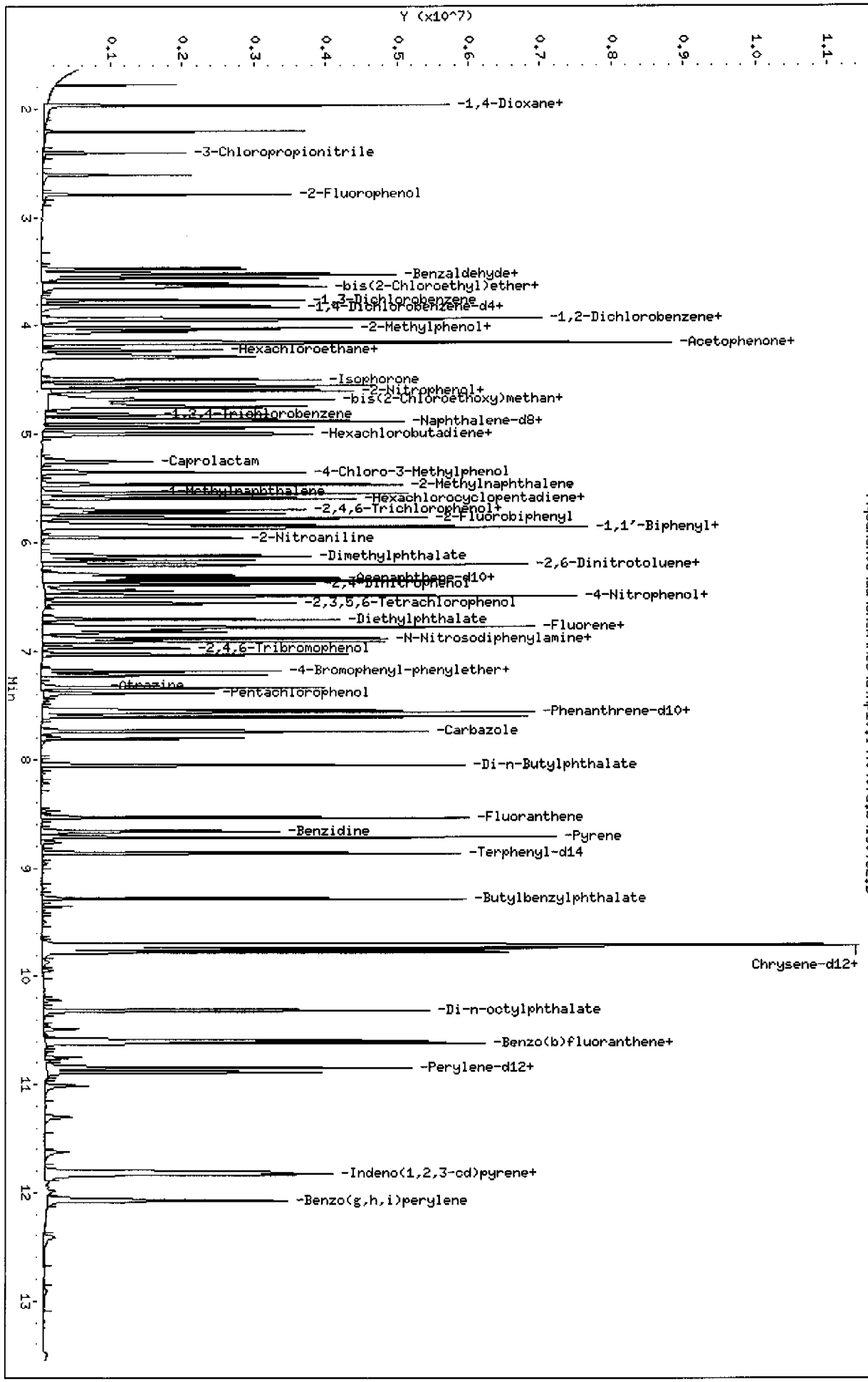
Instrument ID: a4hp10.i
Lab File ID: ICVTCL.D
Analysis Type:
Lab Sample ID: ivbtcl
Method: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m

Injection Date: 07-APR-2004 14:07
Init. Cal. Date(s): 07-APR-2004 07-APR-2004
Init. Cal. Times: 10:28 16:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF3	CCAL RRF3	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
146 Benzo(a)pyrene	1.39918	1.49609	1.49609	0.010	-6.92598	20.00000	Averaged
149 Indeno(1,2,3-cd)pyrene	1.66194	1.73669	1.73669	0.010	-4.49799	50.00000	Averaged
150 Dibenz(a,h)anthracene	1.39222	1.44539	1.44539	0.010	-3.81962	50.00000	Averaged
151 Benzo(g,h,i)perylene	1.39192	1.44028	1.44028	0.010	-3.47438	50.00000	Averaged
$ 154 Nitrobenzene-d5	0.48403	0.49704	0.49704	0.010	-2.68934	50.00000	Averaged
$ 155 2-Fluorobiphenyl	1.24062	1.30772	1.30772	0.010	-5.40812	50.00000	Averaged
$ 156 Terphenyl-d14	0.79987	0.84429	0.84429	0.010	-5.55419	50.00000	Averaged
$ 157 Phenol-d5	2.31215	2.52552	2.52552	0.010	-9.22830	50.00000	Averaged
$ 158 2-Fluorophenol	1.60963	1.70996	1.70996	0.010	-6.23328	50.00000	Averaged
$ 159 2,4,6-Tribromophenol	0.16000	0.17605	0.17605	0.010	-10.03117	50.00000	Averaged
$ 186 2-Chlorophenol-d4	1.42681	1.56775	1.56775	0.010	-9.87766	50.00000	Averaged
$ 187 1,2-Dichlorobenzene-d4	0.80170	0.82466	0.82466	0.010	-2.86281	50.00000	Averaged
M 195 Cresols, total	3.61535	3.86569	3.86569	0.010	-6.92442	50.00000	Averaged
101 Diphenylamine	0.53943	0.58714	0.58714	0.010	-8.84511	50.00000	Averaged

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\ICVTCL.D
Date : 07-APR-2004 14:07
Client ID:
Sample Info: ivbtcl,40407a,b,8270p,3-827042,sub,2
Column phase: db5,625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



Page 1

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\ICVTCL.D
Report Date: 08-Apr-2004 06:48

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\ICVTCL.D
Lab Smp Id: ivbtcl
Inj Date : 07-APR-2004 14:07
Operator : 046900 Inst ID: a4hp10.i
Smp Info : ivbtcl,40407a.b,8270p,3-827042.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:48 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 16:38 Cal File: 1AHHH0407.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.814	3.814	(1.000)	356524	2.00000	(Q)
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	1471215	2.00000	
* 3 Acenaphthene-d10	164	6.325	6.325	(1.000)	822128	2.00000	
* 4 Phenanthrene-d10	188	7.543	7.543	(1.000)	1384346	2.00000	
* 5 Chrysene-d12	240	9.723	9.723	(1.000)	1321793	2.00000	
* 6 Perylene-d12	264	10.887	10.887	(1.000)	979574	2.00000	
198 1,4-Dioxane	88	1.779	1.779	(0.466)	357894	2.50000	2.8952
9 Pyridine	79	1.966	1.966	(0.515)	872717	2.50000	2.6473(M)
10 N-Nitrosodimethylamine	74	1.966	1.966	(0.515)	612990	2.50000	2.5198
12 3-Chloropropionitrile	54	2.409	2.409	(0.632)	411946	2.50000	2.5391
209 Benzaldehyde	77	3.472	3.472	(0.910)	619627	2.50000	2.5707
21 Aniline	93	3.558	3.558	(0.933)	1464532	2.50000	2.5493
22 Phenol	94	3.526	3.526	(0.924)	1270141	2.50000	2.7752
23 bis(2-Chloroethyl)ether	93	3.611	3.611	(0.947)	838153	2.50000	2.5463
24 2-Chlorophenol	128	3.638	3.638	(0.954)	695795	2.50000	2.7231
26 1,3-Dichlorobenzene	146	3.766	3.766	(0.987)	660287	2.50000	2.6746
27 1,4-Dichlorobenzene	146	3.825	3.825	(1.003)	577116	2.50000	2.5799
28 1,2-Dichlorobenzene	146	3.948	3.948	(1.035)	614922	2.50000	2.5722
29 Benzyl Alcohol	108	3.937	3.937	(1.032)	596178	2.50000	2.5443
30 2-Methylphenol	108	4.023	4.023	(1.055)	842834	2.50000	2.6588
31 bis(2-Chloroisopropyl)ether	45	4.049	4.049	(1.062)	979445	2.50000	2.5124
37 Acetophenone	105	4.156	4.156	(1.090)	1087847	2.50000	2.1830
32 N-Nitroso-di-n-propylamine	70	4.167	4.167	(1.092)	688142	2.50000	2.5325
192 4-Methylphenol	108	4.156	4.156	(1.090)	879929	2.50000	2.6869
34 Hexachloroethane	117	4.226	4.226	(1.108)	269986	2.50000	2.7060
35 Nitrobenzene	77	4.290	4.290	(0.881)	931538	2.50000	2.5873
41 Isophorone	82	4.498	4.498	(0.924)	1722442	2.50000	2.5900
42 2-Nitrophenol	139	4.551	4.551	(0.935)	408600	2.50000	2.8476
43 2,4-Dimethylphenol	107	4.600	4.600	(0.945)	889254	2.50000	2.7505
44 bis(2-Chloroethoxy)methane	93	4.685	4.685	(0.963)	1012335	2.50000	2.6220
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	4.562	4.562	(0.937)	539699	2.50000	2.6078
48 2,4-Dichlorophenol	162	4.749	4.749	(0.976)	572212	2.50000	2.8130

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.1\40407a.D\ICVICL.D
Report Date: 08-Apr-2004 06:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.744	4.744	(0.975)	892780	5.00000	4.9405(QM)
50 1,2,4-Trichlorobenzene	180	4.819	4.819	(0.990)	538647	2.50000	2.6248
51 Naphthalene	128	4.883	4.883	(1.003)	1951978	2.50000	2.5853
52 4-Chloroaniline	127	4.936	4.936	(1.014)	851032	2.50000	2.7032
56 Hexachlorobutadiene	225	4.995	4.995	(1.026)	267615	2.50000	2.5676
210 Caprolactam	113	5.257	5.257	(1.080)	256058	2.50000	2.5393
57 1,2,3-Trichlorobenzene	180	5.006	5.006	(1.029)	503257	2.50000	2.6091
59 4-Chloro-3-Methylphenol	107	5.353	5.353	(1.100)	812897	2.50000	2.8497
62 2-Methylnaphthalene	142	5.465	5.465	(1.123)	1258616	2.50000	2.5930
63 1-Methylnaphthalene	142	5.545	5.545	(1.139)	1214092	2.50000	2.6033
64 Hexachlorocyclopentadiene	237	5.593	5.593	(0.884)	311720	2.50000	2.8865
66 2,4,6-Trichlorophenol	196	5.700	5.700	(0.901)	431011	2.50000	2.7980
67 2,4,5-Trichlorophenol	196	5.727	5.727	(0.905)	435842	2.50000	2.8721
211 1,1'-Biphenyl	154	5.855	5.855	(0.926)	1496819	2.50000	2.6333
68 1,2,3,5-Tetrachlorobenzene	216	5.588	5.588	(0.883)	471975	2.50000	2.6326
70 2-Chloronaphthalene	162	5.866	5.866	(0.927)	1125547	2.50000	2.6716
73 2-Nitroaniline	65	5.956	5.956	(0.942)	505939	2.50000	2.7307
74 1,2,3,4-Tetrachlorobenzene	216	5.834	5.834	(0.922)	451989	2.50000	2.6456
76 Dimethylphthalate	163	6.122	6.122	(0.968)	1292813	2.50000	2.6166
78 2,6-Dinitrotoluene	165	6.165	6.165	(0.975)	302771	2.50000	2.7550
79 Acenaphthylene	152	6.202	6.202	(0.981)	1964824	2.50000	2.6275
80 1,2-Dinitrobenzene	168	6.202	6.202	(0.981)	155392	2.50000	2.8465
81 3-Nitroaniline	138	6.298	6.298	(0.996)	360333	2.50000	2.8700
82 Acenaphthene	153	6.352	6.352	(1.004)	1185953	2.50000	2.5702
83 2,4-Dinitrophenol	184	6.384	6.384	(1.009)	458440	5.00000	5.8759
85 4-Nitrophenol	109	6.443	6.443	(1.019)	212092	2.50000	2.7534
86 Dibenzofuran	168	6.496	6.496	(1.027)	1603496	2.50000	2.6063
87 2,4-Dinitrotoluene	165	6.491	6.491	(1.026)	422466	2.50000	2.7391
91 2,3,5,6-Tetrachlorophenol	232	6.560	6.560	(1.037)	366704	2.50000	2.8194
93 Diethylphthalate	149	6.704	6.704	(1.060)	1305859	2.50000	2.5855
94 Fluorene	166	6.774	6.774	(1.071)	1320912	2.50000	2.6264
95 4-Chlorophenyl-phenylether	204	6.784	6.784	(1.073)	607916	2.50000	2.6249
96 4-Nitroaniline	138	6.801	6.801	(1.075)	357463	2.50000	2.6644
98 4,6-Dinitro-2-methylphenol	198	6.822	6.822	(0.904)	283660	2.50000	2.7325
99 N-Nitrosodiphenylamine	169	6.886	6.886	(0.913)	1016012	2.50000	2.7211
100 1,2-Diphenylhydrazine	77	6.913	6.913	(0.916)	1834436	2.50000	2.5856
106 4-Bromophenyl-phenylether	248	7.185	7.185	(0.953)	344569	2.50000	2.6997
107 Hexachlorobenzene	284	7.217	7.217	(0.957)	356027	2.50000	2.6429
212 Atrazine	200	7.335	7.335	(0.972)	322182	2.50000	2.3828
111 Pentachlorophenol	266	7.383	7.383	(0.979)	267310	2.50000	2.6684
115 Phenanthrene	178	7.559	7.559	(1.002)	1992567	2.50000	2.5952
116 Anthracene	178	7.602	7.602	(1.008)	1987538	2.50000	2.6718
119 Carbazole	167	7.741	7.741	(1.026)	1749377	2.50000	2.6351
120 Di-n-Butylphthalate	149	8.051	8.051	(1.067)	2256180	2.50000	2.6563
123 Fluoranthene	202	8.537	8.537	(1.132)	1985510	2.50000	2.5864
124 Benzidine	184	8.660	8.660	(0.891)	970915	2.50000	2.9470
125 Pyrene	202	8.718	8.718	(0.897)	2105935	2.50000	2.5893
131 Butylbenzylphthalate	149	9.279	9.279	(0.954)	989752	2.50000	2.6408
133 3,3'-Dimethoxybenzidine	244	9.701	9.701	(0.998)	472101	2.50000	3.1114
135 3,3'-Dichlorobenzidine	252	9.707	9.707	(0.998)	730657	2.50000	2.6756
136 Benzo(a)Anthracene	228	9.712	9.712	(0.999)	1963739	2.50000	2.4652
137 Chrysene	228	9.744	9.744	(1.002)	1853875	2.50000	2.5078
138 4,4'-Methylene bis(o-chloroan	231	9.712	9.712	(0.999)	373872	2.50000	2.6808
139 bis(2-ethylhexyl)Phthalate	149	9.776	9.776	(1.005)	1413166	2.50000	2.5956

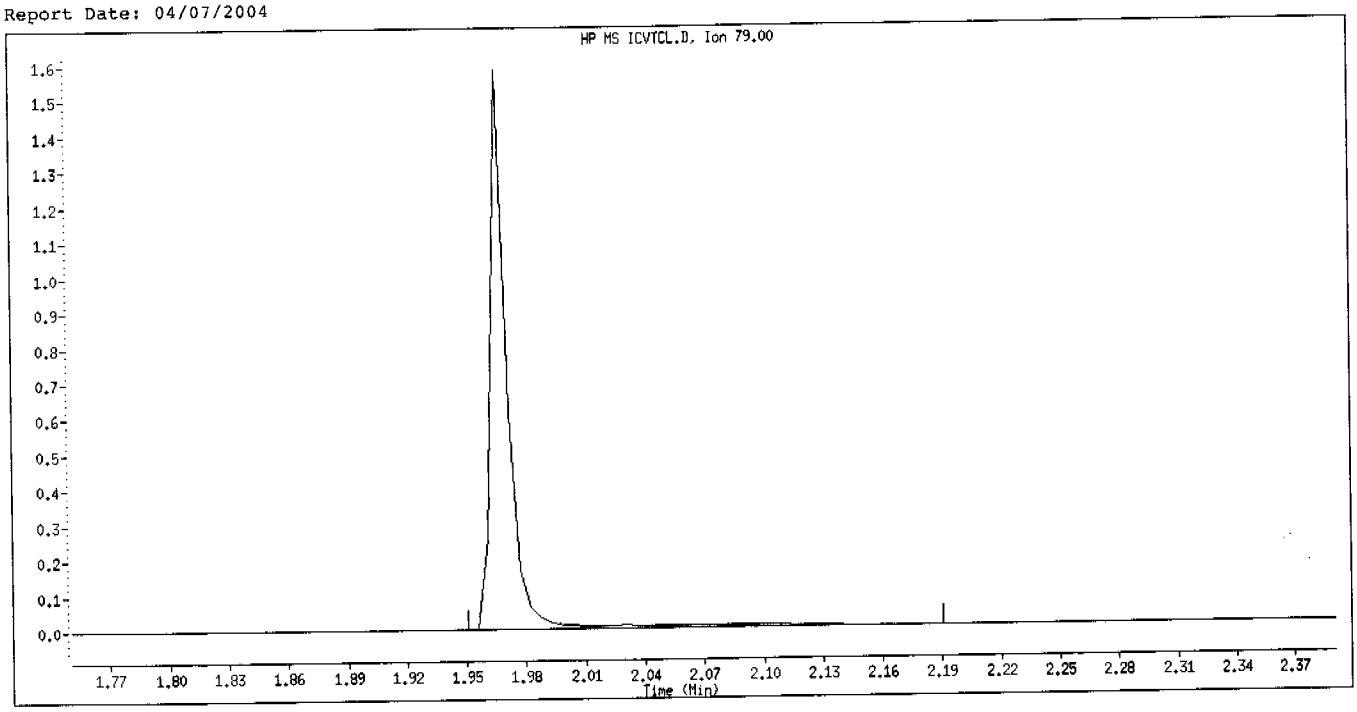
Data File: [illegible]
Report Date: 08-Apr-2004 06:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.316	10.316	(0.947)	2282565	2.50000	2.6224
141 Benzo(b)fluoranthene	252	10.588	10.588	(0.973)	1952003	2.50000	2.4097
142 Benzo(k)fluoranthene	252	10.615	10.615	(0.975)	2231521	2.50000	2.8507
146 Benzo(a)pyrene	252	10.845	10.845	(0.996)	1831915	2.50000	2.6731
149 Indeno(1,2,3-cd)pyrene	276	11.806	11.806	(1.084)	2126519	2.50000	2.6124
150 Dibenz(a,h)anthracene	278	11.828	11.828	(1.086)	1769836	2.50000	2.5955
151 Benzo(g,h,i)perylene	276	12.073	12.073	(1.109)	1763581	2.50000	2.5868
$ 154 Nitrobenzene-d5	82	4.274	4.274	(0.878)	914071	2.50000	2.5672
$ 155 2-Fluorobiphenyl	172	5.775	5.775	(0.913)	1343889	2.50000	2.6352
$ 156 Terphenyl-d14	244	8.863	8.863	(0.912)	1394976	2.50000	2.6388
$ 157 Phenol-d5	99	3.515	3.515	(0.922)	1125512	2.50000	2.7307
$ 158 2-Fluorophenol	112	2.794	2.794	(0.733)	762054	2.50000	2.6558
$ 159 2,4,6-Tribromophenol	330	6.971	6.971	(1.102)	180919	2.50000	2.7508
$ 186 2-Chlorophenol-d4	132	3.627	3.627	(0.951)	698674	2.50000	2.7469
$ 187 1,2-Dichlorobenzene-d4	152	3.937	3.937	(1.032)	367512	2.50000	2.5716
101 Diphenylamine	169	6.886	6.886	(0.913)	1016012	2.50000	2.7211

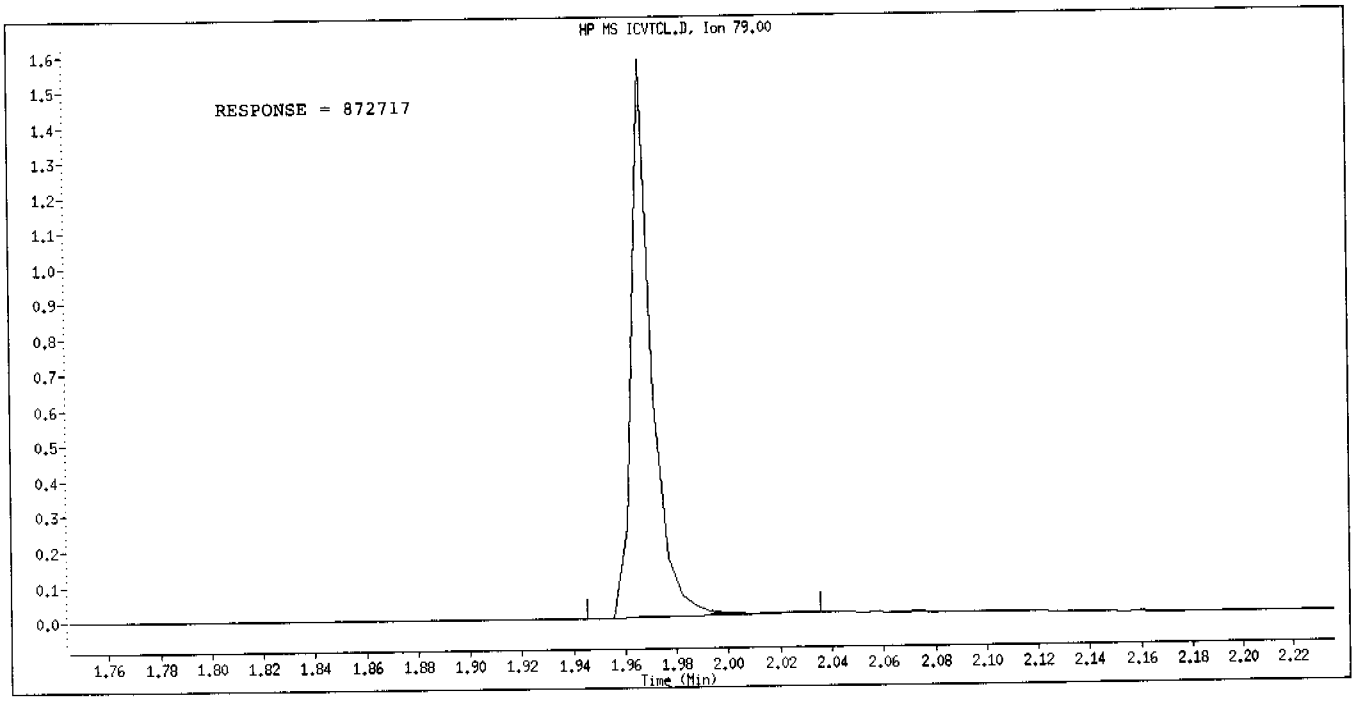
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Inj. Date and Time: 07-APR-2004 14:07
Instrument ID: a4hp10.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 04/07/2004



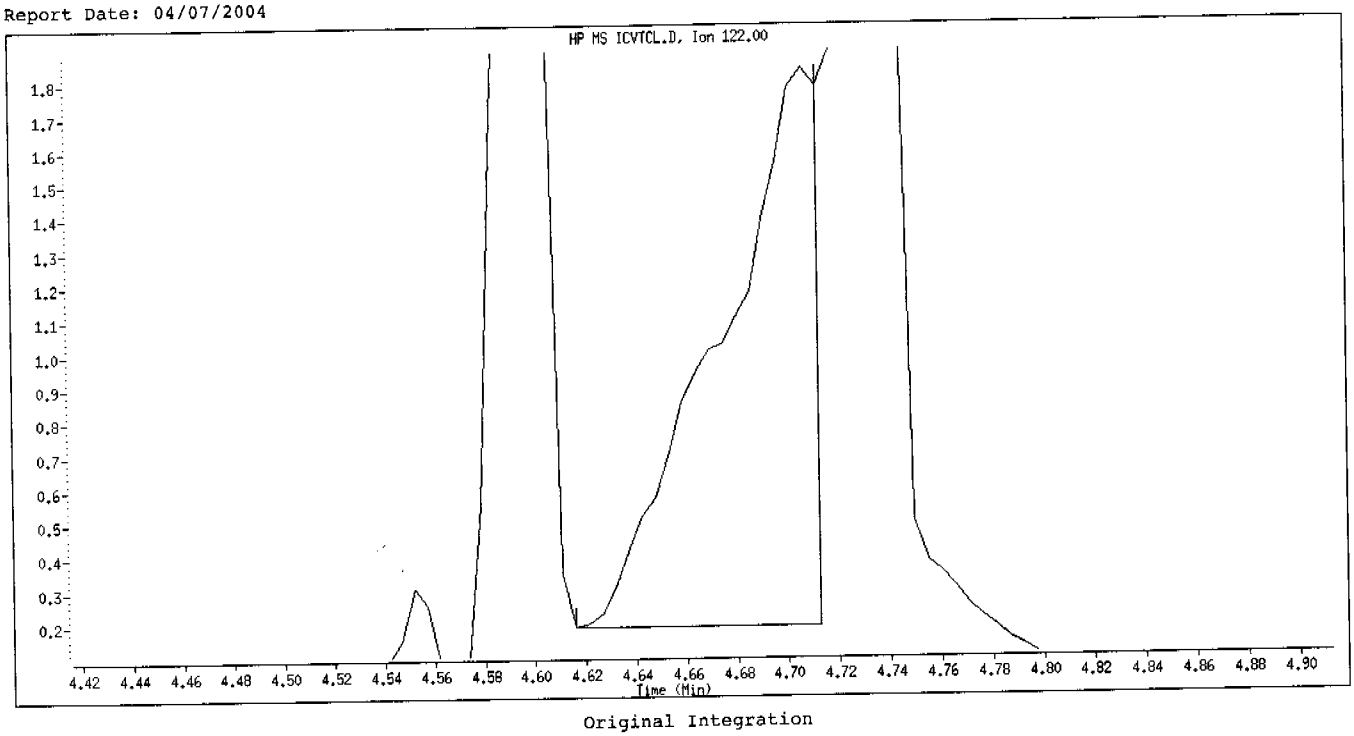
Original Integration



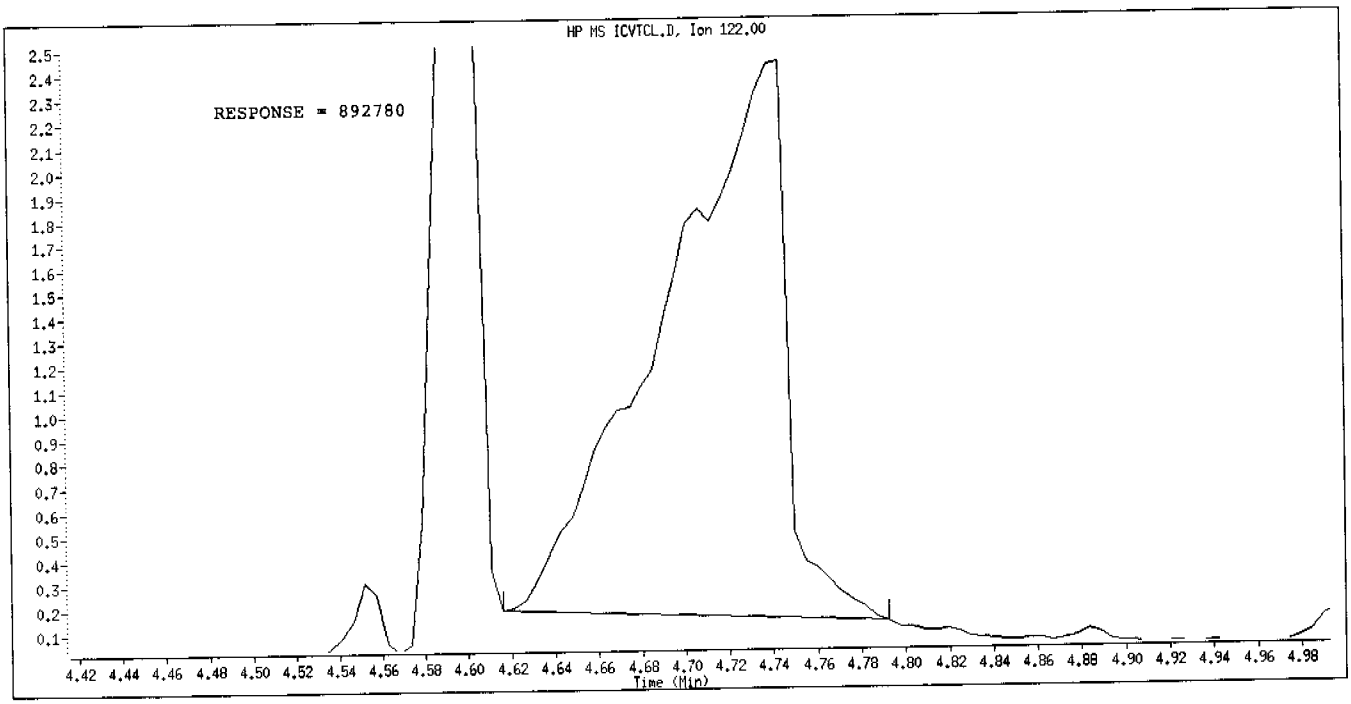
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Inj. Date and Time: 07-APR-2004 14:07
Instrument ID: a4hpl0.i
Client ID:
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/07/2004



Original Integration

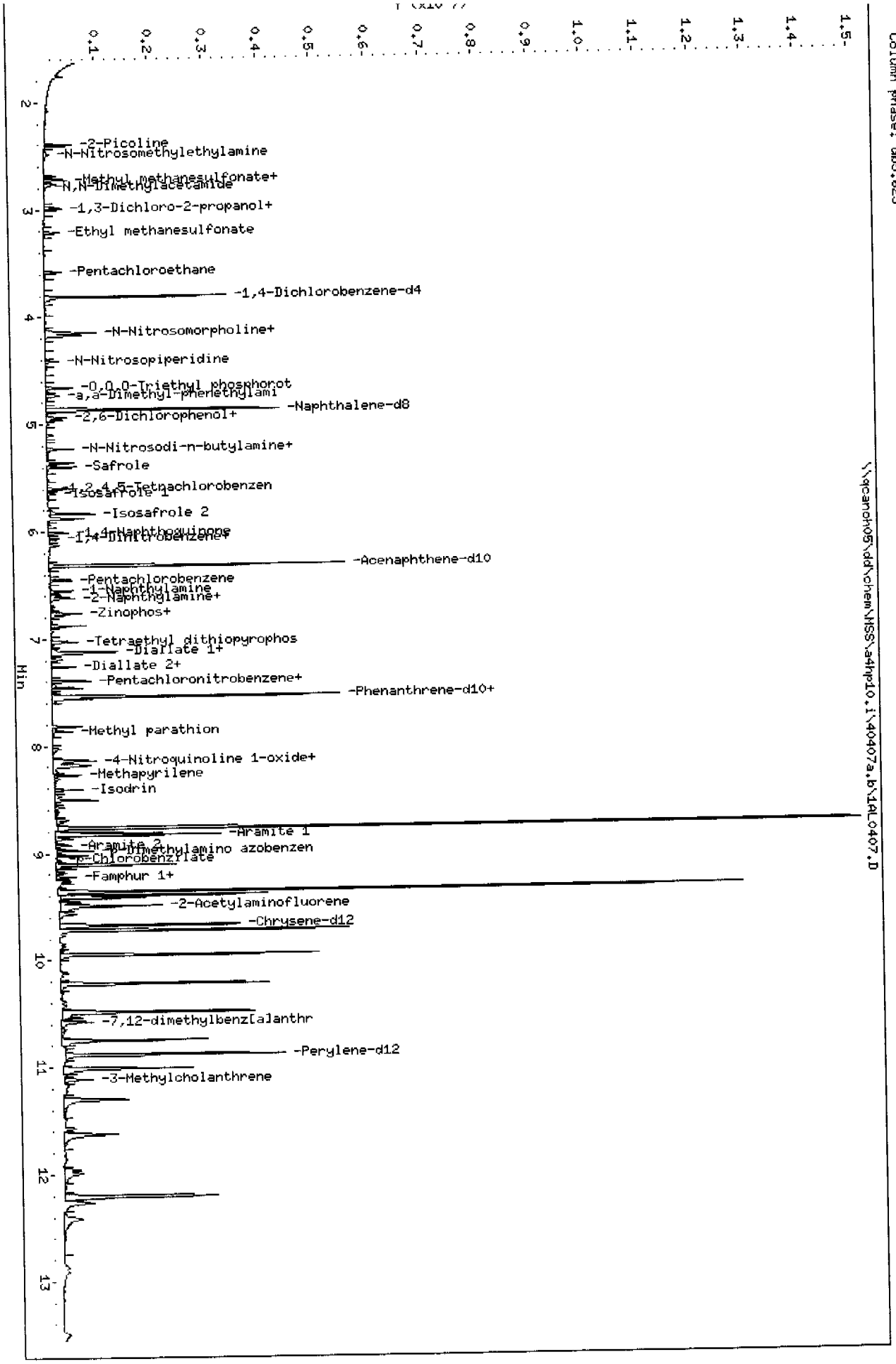


Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanch05\dd\chem\MSS\a4hp10.i\40407a.b\1AL0407.D
Date : 07-APR-2004 14:28
Client ID:
Sample Info: 12,40407a,b,8270p,2-ap9,sub,1,2
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AL0407.D
Lab Smp Id: 12
Inj Date : 07-APR-2004 14:28
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 12,40407a.b,8270p,2-ap9.sub,1,,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:38 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 16:38 Cal File: 1AHHH0407.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.809	3.809	(1.000)	354838	2.00000	(Q)
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	1567100	2.00000	
* 3 Acenaphthene-d10	164	6.320	6.320	(1.000)	835855	2.00000	
* 4 Phenanthrene-d10	188	7.538	7.538	(1.000)	1423211	2.00000	
* 5 Chrysene-d12	240	9.717	9.717	(1.000)	1402869	2.00000	
* 6 Perylene-d12	264	10.882	10.882	(1.000)	1023112	2.00000	
7 N-Nitrosomorpholine	56	4.167	4.167	(1.094)	50959	0.25000	0.28059
8 Ethyl methanesulfonate	79	3.210	3.210	(0.843)	77320	0.25000	0.25878(H)
14 2-Picoline	93	2.398	2.398	(0.630)	115026	0.25000	0.27204
15 N-Nitrosomethylethylamine	88	2.489	2.489	(0.654)	52861	0.25000	0.25889
16 Methyl methanesulfonate	80	2.692	2.692	(0.707)	51700	0.25000	0.27955
18 1,3-Dichloro-2-propanol	79	2.997	2.997	(0.787)	112625	0.25000	0.25206
19 N-Nitrosodiethylamine	102	2.975	2.975	(0.781)	49101	0.25000	0.26602
25 Pentachloroethane	167	3.579	3.579	(0.940)	23860	0.25000	0.27806
36 N-Nitrosopyrrolidine	100	4.129	4.129	(1.084)	52609	0.25000	0.28806
37 Acetophenone	105	4.151	4.151	(1.090)	134051	0.25000	0.29620
39 o-Toluidine	106	4.172	4.172	(1.095)	162435	0.25000	0.26566
40 N-Nitrosopiperidine	114	4.412	4.412	(0.907)	43494	0.25000	0.25827
45 O,O,O-Triethyl phosphorothioa	198	4.664	4.664	(0.958)	34834	0.25000	0.26742
53 a,a-Dimethyl-phenethylamine	58	4.733	4.733	(0.973)	154636	0.25000	0.19856
54 2,6-Dichlorophenol	162	4.936	4.936	(1.014)	53450	0.25000	0.26148
55 Hexachloropropene	213	4.957	4.957	(1.019)	34572	0.25000	0.26325
58 N-Nitrosodi-n-butylamine	84	5.224	5.224	(1.074)	67355	0.25000	0.25418
60 p-Phenylene diamine	108	5.235	5.235	(1.076)	53616	0.25000	0.41784(M)
61 Safrole	162	5.395	5.395	(1.109)	55392	0.25000	0.26300
65 1,2,4,5-Tetrachlorobenzene	216	5.598	5.598	(0.886)	59561	0.25000	0.28716
71 Isosafrole 1	162	5.641	5.641	(0.893)	16700	0.25000	0.25584
72 Isosafrole 2	162	5.828	5.828	(0.922)	112392	0.25000	0.28047
75 1,4-Naphthoquinone	158	6.010	6.010	(0.951)	41944	0.25000	0.59389
84 Pentachlorobenzene	250	6.453	6.453	(1.021)	53748	0.25000	0.28467
89 1-Naphthylamine	143	6.549	6.549	(1.036)	117256	0.25000	0.22970
92 2-Naphthylamine	143	6.619	6.619	(1.047)	132076	0.25000	0.26412
90 Zinophos	97	6.763	6.763	(1.070)	42762	0.25000	0.26218

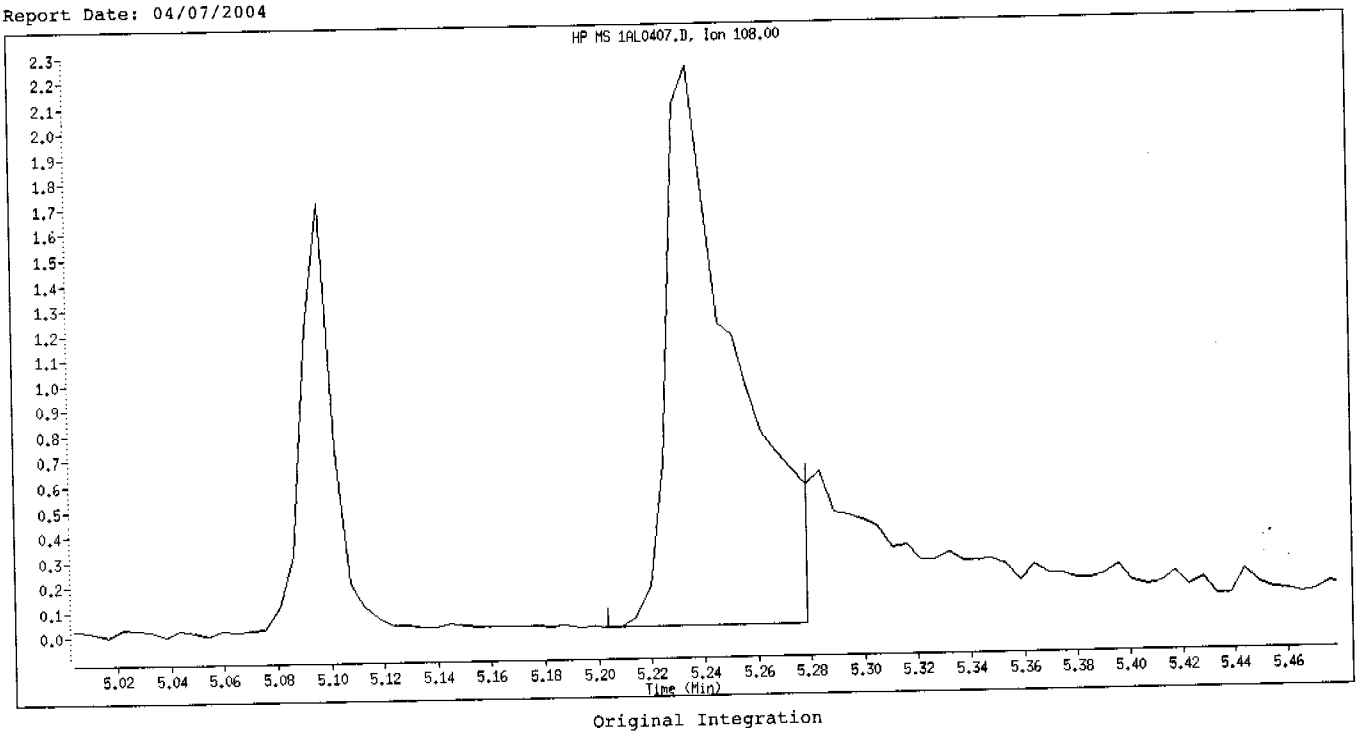
Data File: \\qcanon05\qa\chem\MSS\a4mp10.1\4040[illegible]
Report Date: 08-Apr-2004 06:38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	7.025	7.025	(0.932)	18648	0.25000	0.26905
103 Diallate 1	86	7.121	7.121	(0.945)	173485	0.25000	0.28546
109 Diallate 2	86	7.196	7.196	(0.955)	35725	0.25000	0.26034
104 Phorate	121	7.132	7.132	(0.946)	33241	0.25000	0.26700(Q)
105 1,3,5-Trinitrobenzene	213	7.100	7.100	(0.942)	8817	0.25000	0.33911(Q)
108 Phenacetin	108	7.137	7.137	(0.947)	83226	0.25000	0.23492
110 Dimethoate	87	7.260	7.260	(0.963)	87494	0.25000	0.27742
112 Pentachloronitrobenzene	237	7.393	7.393	(0.981)	15131	0.25000	0.27222
113 4-Aminobiphenyl	169	7.393	7.393	(0.981)	143973	0.25000	0.28124
114 Pronamide	173	7.452	7.452	(0.989)	60540	0.25000	0.25915
117 Dinoseb	211	7.548	7.548	(1.001)	21869	0.25000	0.32121
118 Disulfoton	88	7.559	7.559	(1.003)	112495	0.25000	0.25978
121 4-Nitroquinoline 1-oxide	190	8.195	8.195	(1.087)	9022	0.25000	0.38761(Q)
122 Methapyrilene	58	8.275	8.275	(1.098)	109994	0.25000	0.37547
126 Aramite 1	185	8.863	8.863	(0.912)	13494	0.25000	0.27318
127 Aramite 2	185	8.927	8.927	(0.919)	16411	0.25000	0.26778
128 p-Dimethylamino azobenzene	225	8.980	8.980	(0.924)	52414	0.25000	0.27104
129 p-Chlorobenzilate	139	9.023	9.023	(0.929)	73895	0.25000	0.27458
130 Famphur 1	218	9.226	9.226	(0.949)	68291	0.25000	3.5359
230 Famphur 2	218	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	9.258	9.258	(0.953)	85823	0.25000	0.24336
134 2-Acetylaminofluorene	181	9.461	9.461	(0.974)	106117	0.25000	0.26738
143 7,12-dimethylbenz[a]anthracen	256	10.577	10.577	(0.972)	74988	0.25000	0.21313
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.112	11.112	(1.021)	114568	0.25000	0.25534
193 3-Methylphenol	108	4.151	4.151	(1.090)	86791	0.25000	0.25017(Q)
69 1,4-Dinitrobenzene	168	6.069	6.069	(0.960)	15575	0.25000	0.33907
77 m-Dinitrobenzene	168	6.127	6.127	(0.970)	19232	0.25000	0.20006
88 2,3,4,6-Tetrachlorophenol	232	6.592	6.592	(1.043)	25674	0.25000	0.21374
97 5-Nitro-o-toluidine	152	6.784	6.784	(1.074)	38193	0.25000	0.22827
199 3-Picoline	93	2.724	2.724	(0.715)	106747	0.25000	0.26411
200 N,N-Dimethylacetamide	44	2.762	2.762	(0.725)	80204	0.25000	0.26495
225 Methyl parathion	109	7.864	7.864	(1.043)	57619	0.25000	0.25618
226 Parathion	97	8.184	8.184	(1.086)	48133	0.25000	0.30385
227 Isodrin	66	8.408	8.408	(1.116)	26885	0.25000	0.28075
228 Kepone	272	Compound Not Detected.					

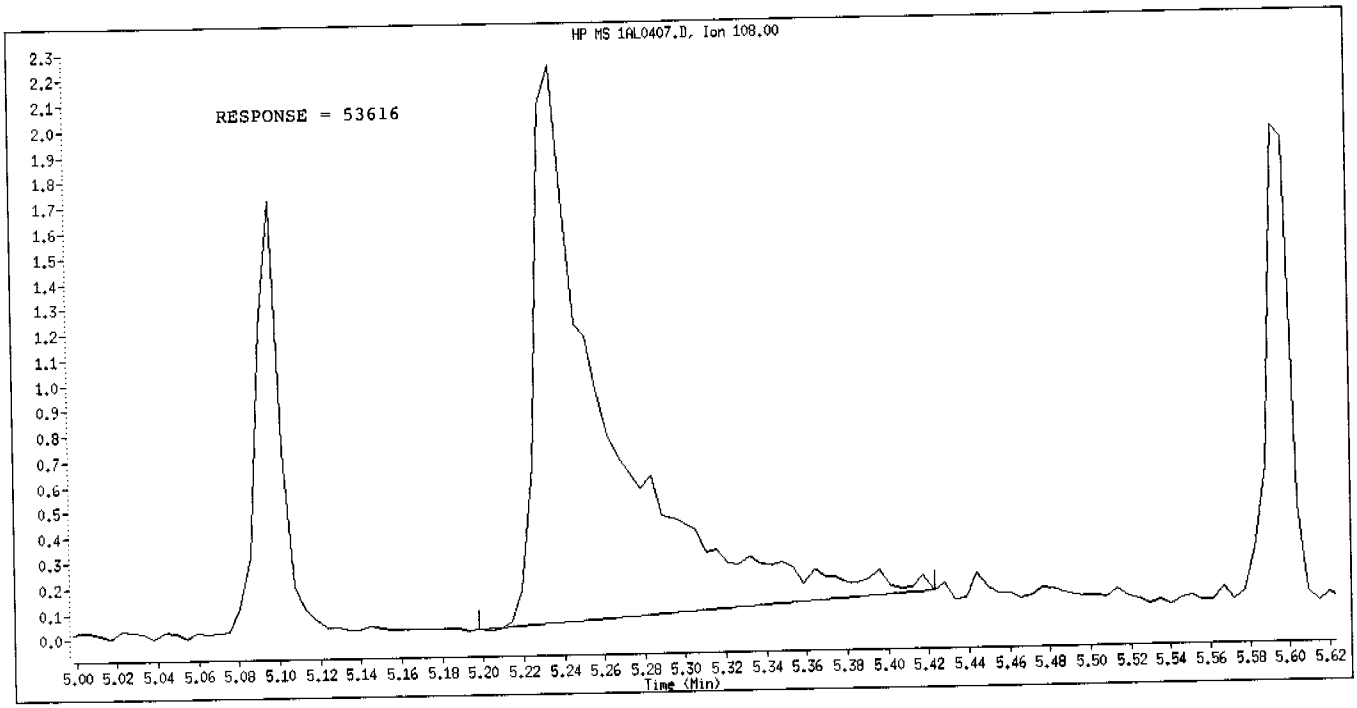
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Inj. Date and Time: 07-APR-2004 14:28
Instrument ID: a4hp10.i
Client ID:
Compound Name: p-Phenylene diamine
CAS #: 106-50-3
Report Date: 04/07/2004



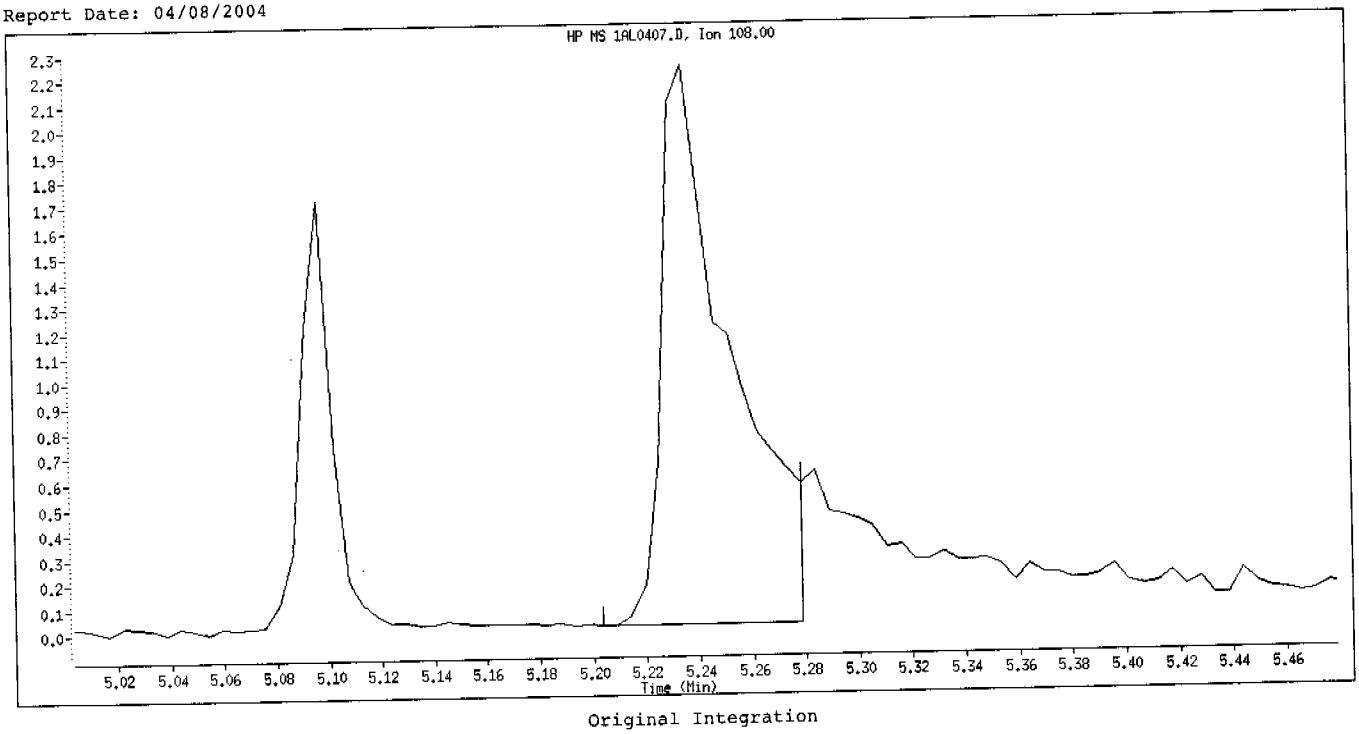
Original Integration



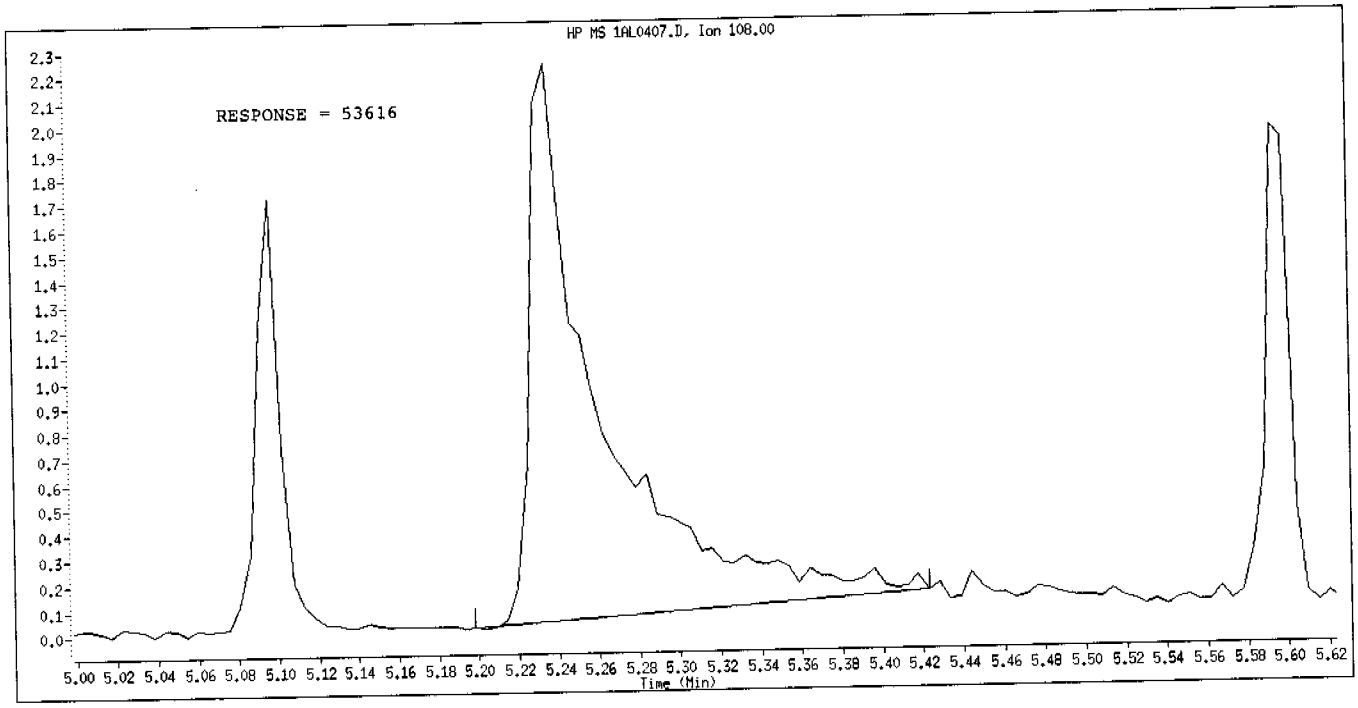
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Inj. Date and Time: 07-APR-2004 14:28
Instrument ID: a4hp10.i
Client ID:
Compound Name: p-Phenylene diamine
CAS #: 106-50-3
Report Date: 04/08/2004



Original Integration

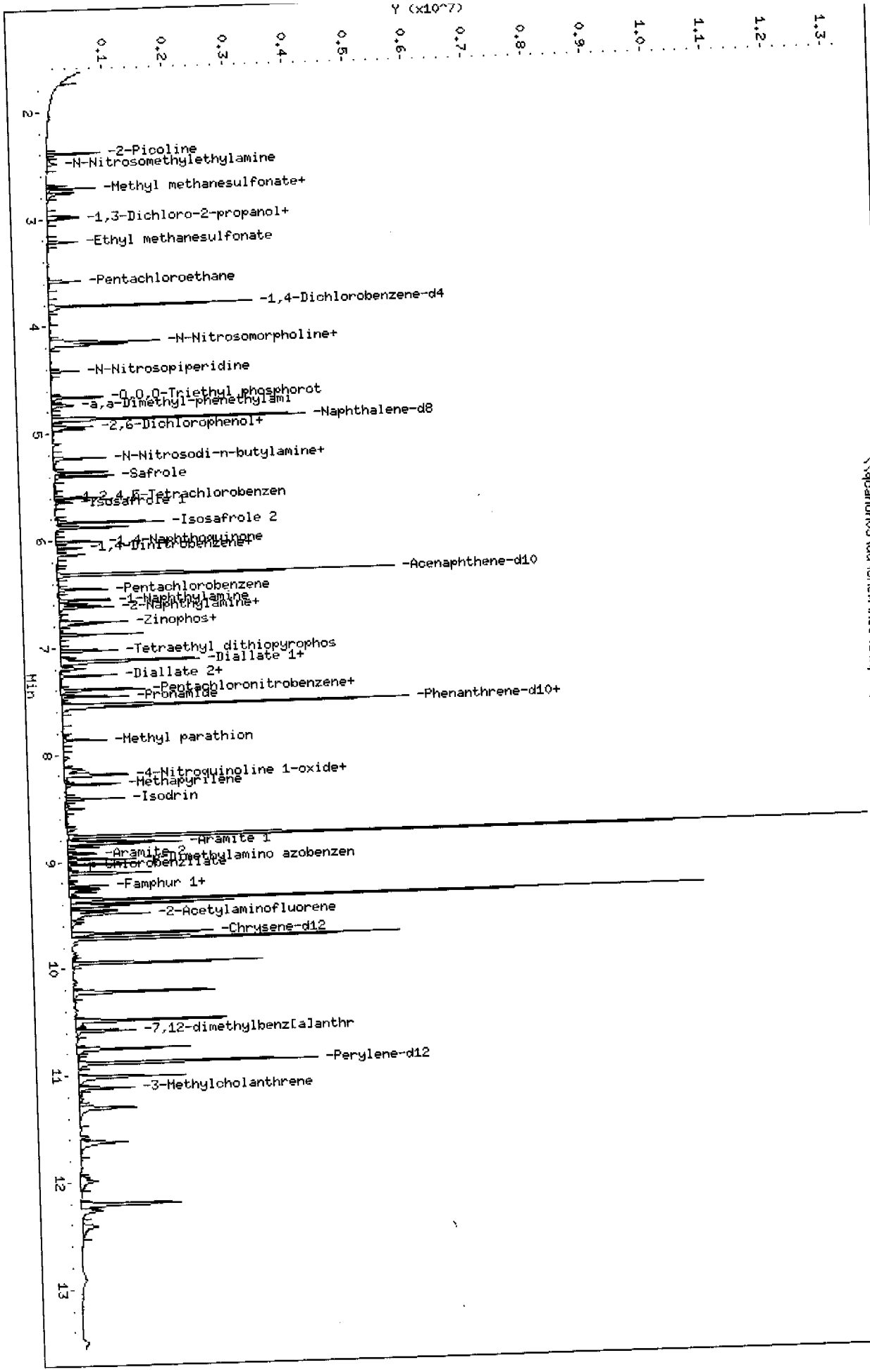


Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanoh05\dd\chem\HSS\a4hp10.i\40407a.b\1AHL0407.D
Date : 07-APR-2004 14:50
Client ID:
Sample Info: 13,40407a,b,8270p,2-ap9,sub,1,,3
Column phase: db5,625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AML0407.D
Report Date: 08-Apr-2004 06:38

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AML0407.D
Lab Smp Id: 13
Inj Date : 07-APR-2004 14:50
Operator : 046900
Smp Info : 13,40407a.b,8270p,2-ap9.sub,1,,3
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:38 a4hp10.i
Cal Date : 07-APR-2004 14:28
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: CANPMSSV04

Inst ID: a4hp10.i
Quant Type: ISTD
Cal File: 1AL0407.D
Calibration Sample, Level: 3
Compound Sublist: 2-ap9.sub

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.809	3.809	(1.000)	342460	2.00000	
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	1551825	2.00000	
* 3 Acenaphthene-d10	164	6.320	6.320	(1.000)	853237	2.00000	
* 4 Phenanthrene-d10	188	7.538	7.538	(1.000)	1443814	2.00000	
* 5 Chrysene-d12	240	9.717	9.717	(1.000)	1398701	2.00000	
* 6 Perylene-d12	264	10.882	10.882	(1.000)	1008086	2.00000	
7 N-Nitrosomorpholine	56	4.167	4.167	(1.094)	92059	0.50000	0.52522
8 Ethyl methanesulfonate	79	3.210	3.210	(0.843)	136794	0.50000	0.47439(H)
14 2-Picoline	93	2.388	2.388	(0.627)	210952	0.50000	0.51694
15 N-Nitrosomethylethylamine	88	2.484	2.484	(0.652)	102498	0.50000	0.52013
16 Methyl methanesulfonate	80	2.687	2.687	(0.705)	88521	0.50000	0.49595
18 1,3-Dichloro-2-propanol	79	2.991	2.991	(0.785)	205564	0.50000	0.47669
19 N-Nitrosodiethylamine	102	2.975	2.975	(0.781)	86090	0.50000	0.48328
25 Pentachloroethane	167	3.579	3.579	(0.940)	41068	0.50000	0.49589
36 N-Nitrosopyrrolidine	100	4.129	4.129	(1.084)	92612	0.50000	0.52543
37 Acetophenone	105	4.151	4.151	(1.090)	237948	0.50000	0.52889
39 o-Toluidine	106	4.177	4.177	(1.097)	290409	0.50000	0.49212
40 N-Nitrosopiperidine	114	4.412	4.412	(0.907)	77713	0.50000	0.46601
45 O,O,O-Triethyl phosphorothioa	198	4.664	4.664	(0.958)	64775	0.50000	0.50218
53 a,a-Dimethyl-phenethylamine	58	4.733	4.733	(0.973)	323843	0.50000	0.41992
54 2,6-Dichlorophenol	162	4.936	4.936	(1.014)	98765	0.50000	0.48792
55 Hexachloropropene	213	4.957	4.957	(1.019)	63888	0.50000	0.49127
58 N-Nitrosodi-n-butylamine	84	5.225	5.225	(1.074)	126721	0.50000	0.48292
60 p-Phenylene diamine	108	5.230	5.230	(1.075)	107611	0.50000	0.53764
61 Safrole	162	5.395	5.395	(1.109)	103021	0.50000	0.49395
65 1,2,4,5-Tetrachlorobenzene	216	5.598	5.598	(0.886)	106255	0.50000	0.50184
71 Isosafrole 1	162	5.641	5.641	(0.893)	31881	0.50000	0.47846
72 Isosafrole 2	162	5.828	5.828	(0.922)	204863	0.50000	0.50082
75 1,4-Naphthoquinone	158	6.010	6.010	(0.951)	87629	0.50000	0.55165
84 Pentachlorobenzene	250	6.453	6.453	(1.021)	96999	0.50000	0.50327
89 1-Naphthylamine	143	6.555	6.555	(1.037)	231409	0.50000	0.44409
92 2-Naphthylamine	143	6.619	6.619	(1.047)	240302	0.50000	0.47076
90 Zinophos	97	6.763	6.763	(1.070)	79015	0.50000	0.47459

Data File: \\qcanon05\dd\chem\MSS\a4mp10.I\4040[illegible]
Report Date: 08-Apr-2004 06:38

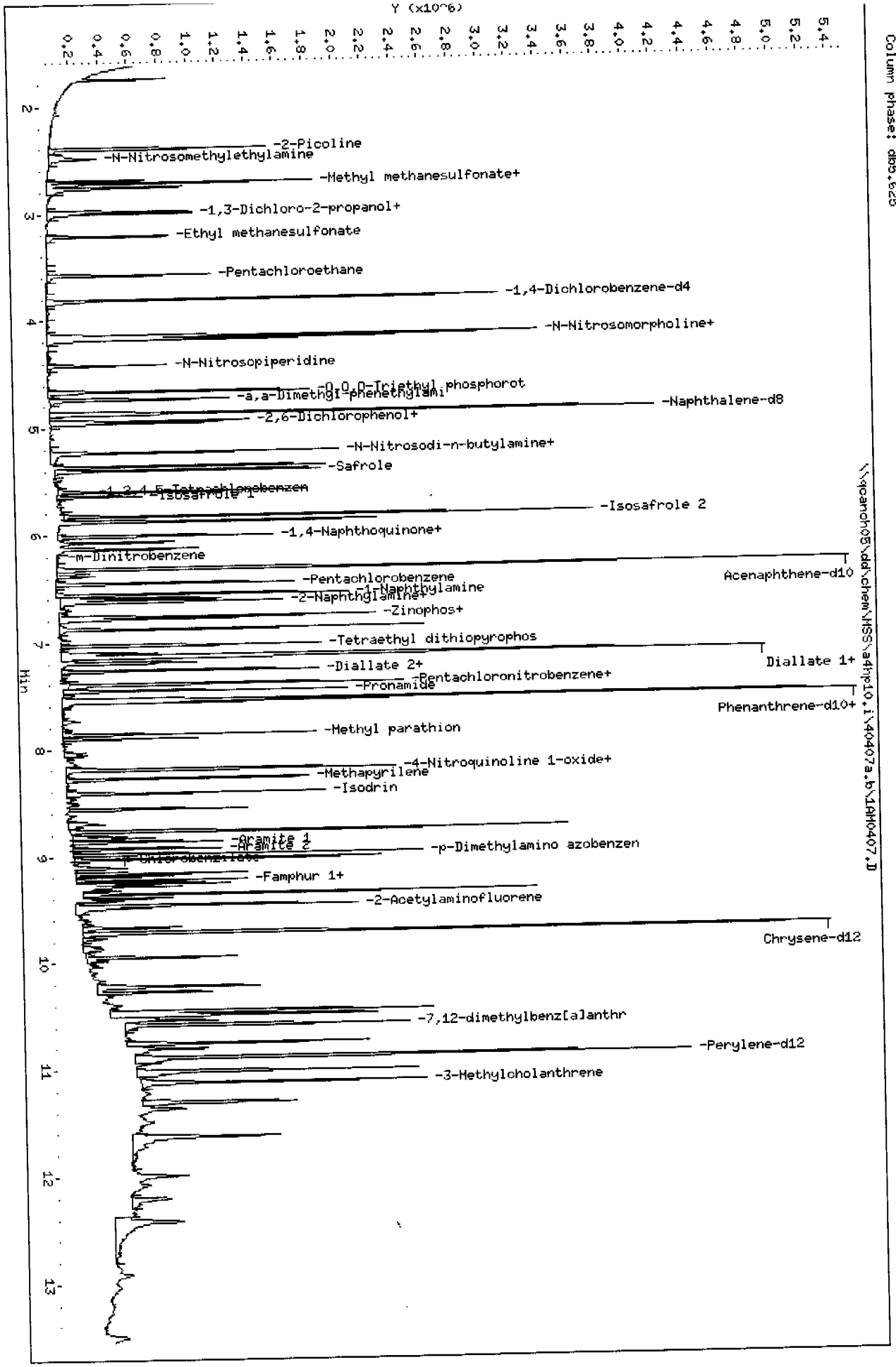
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	7.025	7.025	(0.932)	34790	0.50000	0.49478
103 Diallate 1	86	7.121	7.121	(0.945)	317149	0.50000	0.51441
109 Diallate 2	86	7.196	7.196	(0.955)	66140	0.50000	0.47511
104 Phorate	121	7.132	7.132	(0.946)	64848	0.50000	0.51344
105 1,3,5-Trinitrobenzene	213	7.100	7.100	(0.942)	19856	0.50000	0.49172
108 Phenacetin	108	7.137	7.137	(0.947)	175244	0.50000	0.48759
110 Dimethoate	87	7.260	7.260	(0.963)	160741	0.50000	0.50240
112 Pentachloronitrobenzene	237	7.393	7.393	(0.981)	28661	0.50000	0.50829
113 4-Aminobiphenyl	169	7.393	7.393	(0.981)	245932	0.50000	0.47356
114 Pronamide	173	7.452	7.452	(0.989)	114573	0.50000	0.48345
117 Dinoseb	211	7.548	7.548	(1.001)	45661	0.50000	0.47970
118 Disulfoton	88	7.559	7.559	(1.003)	213691	0.50000	0.48643
121 4-Nitroquinoline 1-oxide	190	8.195	8.195	(1.087)	20217	0.50000	0.50897(Q)
122 Methapyrilene	58	8.275	8.275	(1.098)	197807	0.50000	0.50898
126 Aramite 1	185	8.863	8.863	(0.912)	24889	0.50000	0.50538
127 Aramite 2	185	8.927	8.927	(0.919)	30254	0.50000	0.49513
128 p-Dimethylamino azobenzene	225	8.980	8.980	(0.924)	95286	0.50000	0.49420
129 p-Chlorobenzilate	139	9.023	9.023	(0.929)	138454	0.50000	0.51600
130 Famphur 1	218	9.226	9.226	(0.949)	117862	0.50000	6.4407
230 Famphur 2	218	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	9.258	9.258	(0.953)	173208	0.50000	0.58054
134 2-Acetylaminofluorene	181	9.461	9.461	(0.974)	189144	0.50000	0.47801
143 7,12-dimethylbenz[a]anthracen	256	10.577	10.577	(0.972)	147473	0.50000	0.42540
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.112	11.112	(1.021)	215358	0.50000	0.48713
193 3-Methylphenol	108	4.151	4.151	(1.090)	159647	0.50000	0.47681
69 1,4-Dinitrobenzene	168	6.069	6.069	(0.960)	34242	0.50000	0.51743
77 m-Dinitrobenzene	168	6.127	6.127	(0.970)	42135	0.50000	0.42938
88 2,3,4,6-Tetrachlorophenol	232	6.592	6.592	(1.043)	51416	0.50000	0.41933
97 5-Nitro-o-toluidine	152	6.784	6.784	(1.074)	75224	0.50000	0.44044
199 3-Picoline	93	2.714	2.714	(0.713)	188971	0.50000	0.48444
200 N,N-Dimethylacetamide	44	2.756	2.756	(0.724)	149591	0.50000	0.51203
225 Methyl parathion	109	7.858	7.858	(1.043)	113681	0.50000	0.49823
226 Parathion	97	8.184	8.184	(1.086)	77585	0.50000	0.48278
227 Isodrin	66	8.408	8.408	(1.116)	50707	0.50000	0.52195
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\qcanch05\dd\chem\MSS\a4hp10.i\40407a.b\1AM0407.D
Date : 07-APR-2004 15:12
Client ID:
Sample Info: 14,40407a,b,8270p,2-ap9,sub,1,4
Column phase: db5,625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



Data File: \\qcanoh05\dd\chem\MSS\a4hpl0.i\40407a.b\1AM0407.D
Report Date: 08-Apr-2004 06:39

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hpl0.i\40407a.b\1AM0407.D
Lab Smp Id: 14
Inj Date : 07-APR-2004 15:12
Operator : 046900 Inst ID: a4hpl0.i
Smp Info : 14,40407a.b,8270p,2-ap9.sub,1,,4
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hpl0.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:39 a4hpl0.i Quant Type: ISTD
Cal Date : 07-APR-2004 14:50 Cal File: 1AML0407.D
Als bottle: 15 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.809	3.809	(1.000)	327604	2.00000	
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	1465529	2.00000	
* 3 Acenaphthene-d10	164	6.320	6.320	(1.000)	803356	2.00000	
* 4 Phenanthrene-d10	188	7.543	7.543	(1.000)	1360638	2.00000	
* 5 Chrysene-d12	240	9.717	9.717	(1.000)	1309632	2.00000	
* 6 Perylene-d12	264	10.882	10.882	(1.000)	961676	2.00000	
7 N-Nitrosomorpholine	56	4.172	4.172	(1.095)	175371	1.00000	1.0459
8 Ethyl methanesulfonate	79	3.210	3.210	(0.843)	272910	1.00000	0.98935
14 2-Picoline	93	2.398	2.398	(0.630)	417210	1.00000	1.0687
15 N-Nitrosomethylethylamine	88	2.489	2.489	(0.654)	193072	1.00000	1.0242
16 Methyl methanesulfonate	80	2.692	2.692	(0.707)	175750	1.00000	1.0293
18 1,3-Dichloro-2-propanol	79	3.002	3.002	(0.788)	436095	1.00000	1.0571
19 N-Nitrosodiethylamine	102	2.981	2.981	(0.783)	171168	1.00000	1.0044
25 Pentachloroethane	167	3.579	3.579	(0.940)	82506	1.00000	1.0414
36 N-Nitrosopyrrolidine	100	4.135	4.135	(1.086)	175617	1.00000	1.0415
37 Acetophenone	105	4.151	4.151	(1.090)	464213	1.00000	1.0616
39 o-Toluidine	106	4.177	4.177	(1.097)	552959	1.00000	0.97953
40 N-Nitrosopiperidine	114	4.418	4.418	(0.908)	155623	1.00000	0.98815
45 O,O,O-Triethyl phosphorothioa	198	4.664	4.664	(0.958)	126632	1.00000	1.0395
53 a,a-Dimethyl-phenethylamine	58	4.733	4.733	(0.973)	740444	1.00000	1.0166
54 2,6-Dichlorophenol	162	4.936	4.936	(1.014)	196141	1.00000	1.0260
55 Hexachloropropene	213	4.957	4.957	(1.019)	124995	1.00000	1.0177
58 N-Nitrosodi-n-butylamine	84	5.230	5.230	(1.075)	248879	1.00000	1.0043
60 p-Phenylene diamine	108	5.230	5.230	(1.075)	198149	1.00000	0.76529
61 Safrole	162	5.401	5.401	(1.110)	202700	1.00000	1.0291
65 1,2,4,5-Tetrachlorobenzene	216	5.598	5.598	(0.886)	203879	1.00000	1.0227
71 Isosafrole 1	162	5.641	5.641	(0.893)	62384	1.00000	0.99437
72 Isosafrole 2	162	5.828	5.828	(0.922)	397482	1.00000	1.0320
75 1,4-Naphthoquinone	158	6.010	6.010	(0.951)	180039	1.00000	0.61805
84 Pentachlorobenzene	250	6.453	6.453	(1.021)	185157	1.00000	1.0203
89 1-Naphthylamine	143	6.555	6.555	(1.037)	454758	1.00000	0.92690
92 2-Naphthylamine	143	6.619	6.619	(1.047)	467255	1.00000	0.97222
90 Zinophos	97	6.763	6.763	(1.070)	157869	1.00000	1.0071

Data File: \\qcanoh05\dd\chem\MSS\a4np10.1\40407a.D\[illegible]
Report Date: 08-Apr-2004 06:39

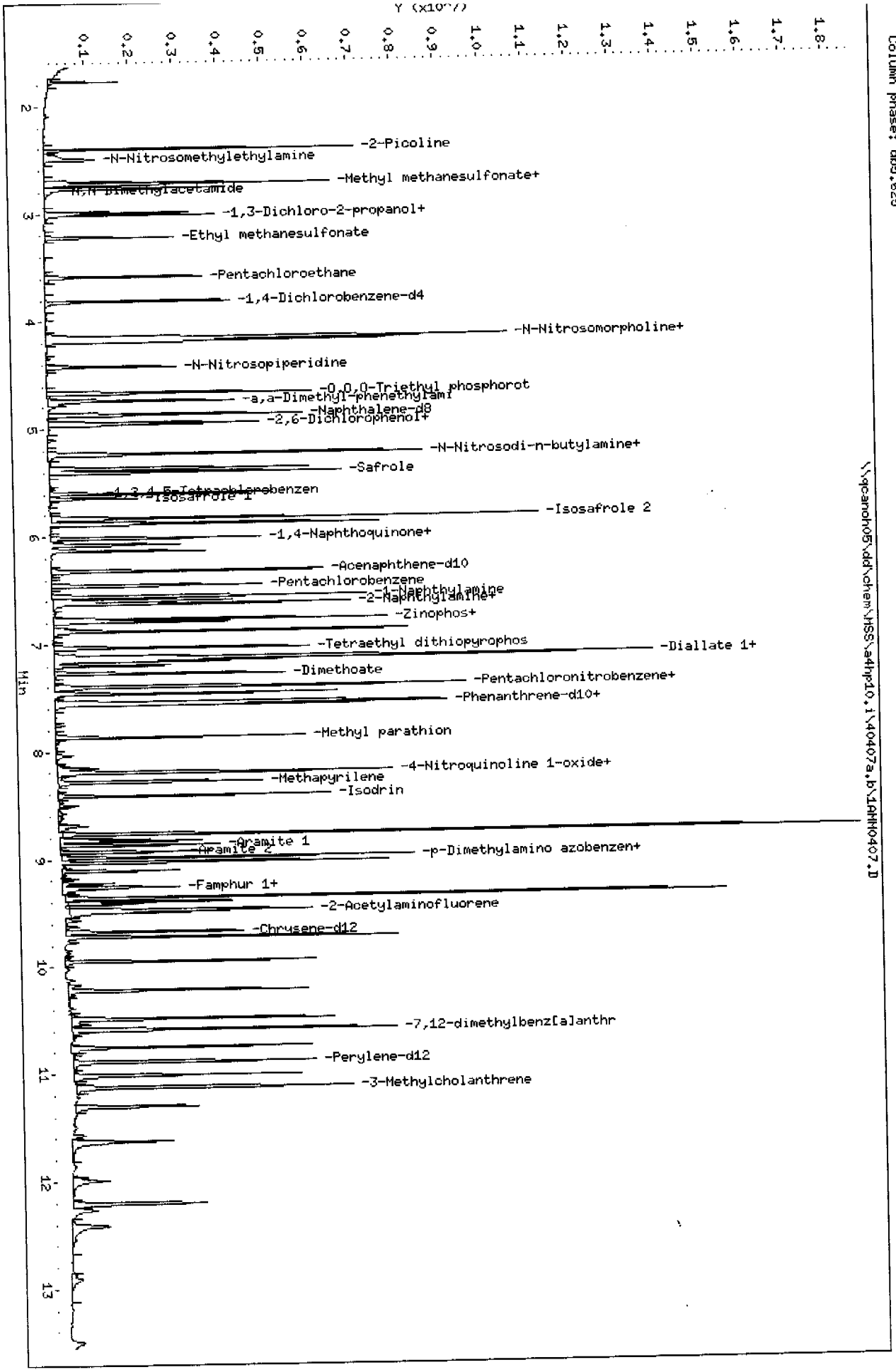
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	7.030	7.030	(0.932)	67305	1.00000	1.0157
103 Diallate 1	86	7.126	7.126	(0.945)	622423	1.00000	1.0713
109 Diallate 2	86	7.196	7.196	(0.954)	134310	1.00000	1.0238
104 Phorate	121	7.132	7.132	(0.945)	124636	1.00000	1.0471
105 1,3,5-Trinitrobenzene	213	7.100	7.100	(0.941)	45666	1.00000	0.89692
108 Phenacetin	108	7.142	7.142	(0.947)	325746	1.00000	0.96175
110 Dimethoate	87	7.265	7.265	(0.963)	328197	1.00000	1.0885
112 Pentachloronitrobenzene	237	7.393	7.393	(0.980)	55434	1.00000	1.0432
113 4-Aminobiphenyl	169	7.393	7.393	(0.980)	440694	1.00000	0.90046
114 Pronamide	173	7.457	7.457	(0.989)	227363	1.00000	1.0180
117 Dinoseb	211	7.548	7.548	(1.001)	104161	1.00000	0.91765
118 Disulfoton	88	7.559	7.559	(1.002)	430844	1.00000	1.0407
121 4-Nitroquinoline 1-oxide	190	8.200	8.200	(1.087)	53446	1.00000	0.91237(Q)
122 Methapyrilene	58	8.275	8.275	(1.097)	401303	1.00000	0.93339
126 Aramite 1	185	8.863	8.863	(0.912)	48548	1.00000	1.0528(H)
127 Aramite 2	185	8.927	8.927	(0.919)	60308	1.00000	1.0541
128 p-Dimethylamino azobenzene	225	8.980	8.980	(0.924)	188342	1.00000	1.0433
129 p-Chlorobenzilate	139	9.023	9.023	(0.929)	271480	1.00000	1.0806
230 Famphur 2	218	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	9.258	9.258	(0.953)	305181	1.00000	1.1735
134 2-Acetylaminofluorene	181	9.461	9.461	(0.974)	387408	1.00000	1.0456
143 7,12-dimethylbenz[a]anthracen	256	10.583	10.583	(0.973)	317791	1.00000	0.96093
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.117	11.117	(1.022)	432827	1.00000	1.0263
193 3-Methylphenol	108	4.156	4.156	(1.091)	307995	1.00000	0.96159
69 1,4-Dinitrobenzene	168	6.074	6.074	(0.961)	73843	1.00000	0.94843
77 m-Dinitrobenzene	168	6.127	6.127	(0.970)	87953	1.00000	0.95193
88 2,3,4,6-Tetrachlorophenol	232	6.592	6.592	(1.043)	110014	1.00000	0.95294
97 5-Nitro-o-toluidine	152	6.784	6.784	(1.074)	153441	1.00000	0.95420
199 3-Picoline	93	2.719	2.719	(0.714)	379087	1.00000	1.0159
200 N,N-Dimethylacetamide	44	2.756	2.756	(0.724)	291309	1.00000	1.0423
225 Methyl parathion	109	7.864	7.864	(1.042)	229427	1.00000	1.0670
226 Parathion	97	8.189	8.189	(1.086)	149379	1.00000	0.98635
227 Isodrin	66	8.408	8.408	(1.115)	98482	1.00000	1.0757
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh05\dd\chem\HSS\a4hp10.i\40407a.b\1AHH0407.D
Date : 07-APR-2004 15:33
Client ID:
Sample Info: 15,40407a,b,8270p,2-ap9,sub,1,r5
Column phase: db5,625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AMM0407.D
Lab Smp Id: 15
Inj Date : 07-APR-2004 15:33
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 15,40407a.b,8270p,2-ap9.sub,1,,5
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:39 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 15:12 Cal File: 1AM0407.D
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.814	3.814	(1.000)	491183	2.00000	
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	2201659	2.00000	
* 3 Acenaphthene-d10	164	6.320	6.320	(1.000)	1209326	2.00000	
* 4 Phenanthrene-d10	188	7.543	7.543	(1.000)	2040557	2.00000	
* 5 Chrysene-d12	240	9.723	9.723	(1.000)	2023452	2.00000	
* 6 Perylene-d12	264	10.887	10.887	(1.000)	1462165	2.00000	
7 N-Nitrosomorpholine	56	4.177	4.177	(1.095)	653758	2.50000	2.6005
8 Ethyl methanesulfonate	79	3.221	3.221	(0.845)	1032134	2.50000	2.4956
14 2-Picoline	93	2.404	2.404	(0.630)	1478945	2.50000	2.5268
15 N-Nitrosomethylethylamine	88	2.500	2.500	(0.655)	677281	2.50000	2.3962
16 Methyl methanesulfonate	80	2.708	2.708	(0.710)	648484	2.50000	2.5331
18 1,3-Dichloro-2-propanol	79	3.013	3.013	(0.790)	1555079	2.50000	2.5142
19 N-Nitrosodiethylamine	102	2.991	2.991	(0.784)	635790	2.50000	2.4884
25 Pentachloroethane	167	3.584	3.584	(0.940)	298231	2.50000	2.5108
36 N-Nitrosopyrrolidine	100	4.151	4.151	(1.088)	621882	2.50000	2.4599
37 Acetophenone	105	4.156	4.156	(1.090)	1704573	2.50000	2.5652
39 o-Toluidine	106	4.183	4.183	(1.097)	2195815	2.50000	2.5943
40 N-Nitrosopiperidine	114	4.423	4.423	(0.909)	597056	2.50000	2.5235
45 O,O,O-Triethyl phosphorothioa	198	4.664	4.664	(0.958)	466531	2.50000	2.5493
53 a,a-Dimethyl-phenethylamine	58	4.738	4.738	(0.974)	2864270	2.50000	2.6178
54 2,6-Dichlorophenol	162	4.941	4.941	(1.015)	748037	2.50000	2.6047
55 Hexachloropropene	213	4.957	4.957	(1.019)	481175	2.50000	2.6079
58 N-Nitrosodi-n-butylamine	84	5.235	5.235	(1.076)	963264	2.50000	2.5874
60 p-Phenylene diamine	108	5.235	5.235	(1.076)	1405637	2.50000	2.6359
61 Safrole	162	5.401	5.401	(1.110)	761815	2.50000	2.5746
65 1,2,4,5-Tetrachlorobenzene	216	5.598	5.598	(0.886)	755710	2.50000	2.5183
71 Isosafrole 1	162	5.641	5.641	(0.893)	239410	2.50000	2.5350
72 Isosafrole 2	162	5.833	5.833	(0.923)	1492630	2.50000	2.5745
75 1,4-Naphthoquinone	158	6.015	6.015	(0.952)	673739	2.50000	1.9756
84 Pentachlorobenzene	250	6.459	6.459	(1.022)	687137	2.50000	2.5154
89 1-Naphthylamine	143	6.560	6.560	(1.038)	1941647	2.50000	2.6290
92 2-Naphthylamine	143	6.624	6.624	(1.048)	1759811	2.50000	2.4324
90 Zinophos	97	6.768	6.768	(1.071)	604104	2.50000	2.5600

Data File: \\qcanoh05\dd\chem\MSS\a4np10.1\40407a.D\1AMI0407.D
Report Date: 08-Apr-2004 06:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	7.035	7.035	(0.933)	255871	2.50000	2.5748
103 Diallate 1	86	7.132	7.132	(0.945)	2265996	2.50000	2.6006
109 Diallate 2	86	7.196	7.196	(0.954)	499590	2.50000	2.5393
104 Phorate	121	7.137	7.137	(0.946)	468454	2.50000	2.6243(Q)
105 1,3,5-Trinitrobenzene	213	7.110	7.110	(0.943)	221786	2.50000	2.5020(Q)
108 Phenacetin	108	7.158	7.158	(0.949)	1325495	2.50000	2.6095
110 Dimethoate	87	7.276	7.276	(0.965)	1242558	2.50000	2.7479
112 Pentachloronitrobenzene	237	7.399	7.399	(0.981)	208918	2.50000	2.6215
113 4-Aminobiphenyl	169	7.399	7.399	(0.981)	1978776	2.50000	2.6960
114 Pronamide	173	7.463	7.463	(0.989)	855606	2.50000	2.5545
117 Dinoseb	211	7.554	7.554	(1.001)	498934	2.50000	2.5551
118 Disulfoton	88	7.564	7.564	(1.003)	1662369	2.50000	2.6775
121 4-Nitroquinoline 1-oxide	190	8.205	8.205	(1.088)	281468	2.50000	2.5321(Q)
122 Methapyrilene	58	8.280	8.280	(1.098)	1331011	2.50000	2.2756
126 Aramite 1	185	8.868	8.868	(0.912)	188707	2.50000	2.6487
127 Aramite 2	185	8.932	8.932	(0.919)	241525	2.50000	2.7323
128 p-Dimethylamino azobenzene	225	8.985	8.985	(0.924)	742227	2.50000	2.6610
129 p-Chlorobenzilate	139	9.028	9.028	(0.929)	1033547	2.50000	2.6626
130 Famphur 1	218	9.226	9.226	(0.949)	233386	2.50000	5.2181
230 Famphur 2	218	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	9.258	9.258	(0.952)	860150	2.50000	2.2330
134 2-Acetylaminofluorene	181	9.472	9.472	(0.974)	1535630	2.50000	2.6826
143 7,12-dimethylbenz[a]anthracen	256	10.588	10.588	(0.973)	1314177	2.50000	2.6136
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.128	11.128	(1.022)	1616110	2.50000	2.5203
193 3-Methylphenol	108	4.161	4.161	(1.091)	1251190	2.50000	2.6054
69 1,4-Dinitrobenzene	168	6.079	6.079	(0.962)	326115	2.50000	2.4423
77 m-Dinitrobenzene	168	6.133	6.133	(0.970)	374680	2.50000	2.6939
88 2,3,4,6-Tetrachlorophenol	232	6.597	6.597	(1.044)	456023	2.50000	2.6240
97 5-Nitro-o-toluidine	152	6.795	6.795	(1.075)	634596	2.50000	2.6216
199 3-Picoline	93	2.724	2.724	(0.714)	1429329	2.50000	2.5547
200 N,N-Dimethylacetamide	44	2.767	2.767	(0.726)	1025092	2.50000	2.4464
225 Methyl parathion	109	7.869	7.869	(1.043)	880791	2.50000	2.7314
226 Parathion	97	8.195	8.195	(1.086)	581367	2.50000	2.5597
227 Isodrin	66	8.414	8.414	(1.115)	351919	2.50000	2.5631
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

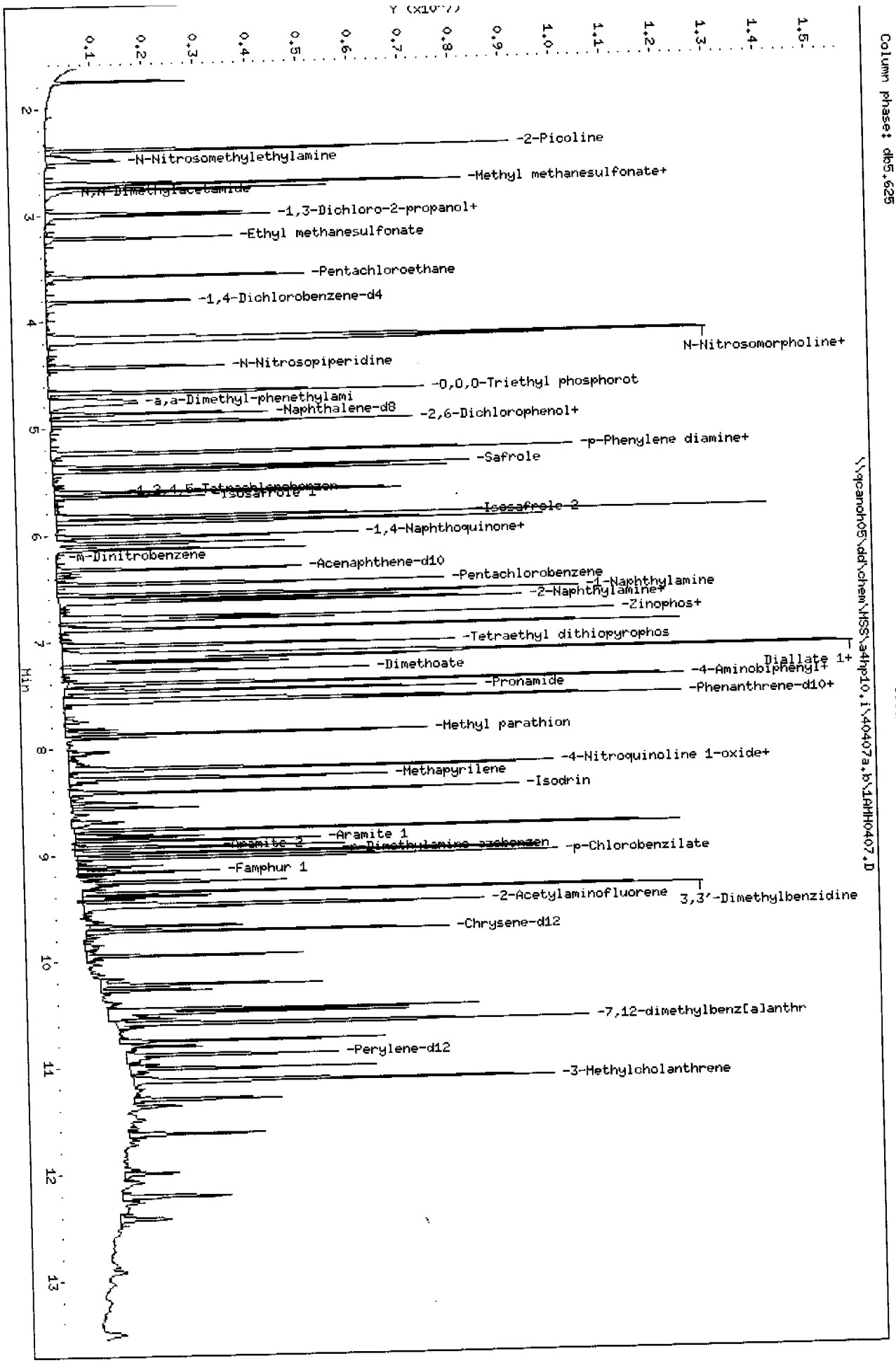
Data File: \\qcanoh05\dd\chem\HSS\a4hp10.i\40407a.b\1AHH0407.D
Date : 07-APR-2004 10:50
Client ID:
Sample Info: 16,40407a,b,8270p,2-ap9,sub,2

Column phase: db5,625

Instrument: a4hp10.i

Operator: 046900

Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AMH0407.D
Lab Smp Id: 16
Inj Date : 07-APR-2004 10:50
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 16,40407a.b,8270p,2-ap9.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:39 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 15:33 Cal File: 1AMM0407.D
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.814	3.814	(1.000)	350145	2.00000	
* 2 Naphthalene-d8	136	4.866	4.866	(1.000)	1541020	2.00000	
* 3 Acenaphthene-d10	164	6.320	6.320	(1.000)	869890	2.00000	
* 4 Phenanthrene-d10	188	7.543	7.543	(1.000)	1466642	2.00000	
* 5 Chrysene-d12	240	9.723	9.723	(1.000)	1503079	2.00000	
* 6 Perylene-d12	264	10.887	10.887	(1.000)	1029917	2.00000	
7 N-Nitrosomorpholine	56	4.183	4.183	(1.097)	854759	5.00000	4.7695
8 Ethyl methanesulfonate	79	3.226	3.226	(0.846)	1417738	5.00000	4.8087
14 2-Picoline	93	2.398	2.398	(0.629)	2058283	5.00000	4.9331
15 N-Nitrosomethylethylamine	88	2.494	2.494	(0.654)	961262	5.00000	4.7709
16 Methyl methanesulfonate	80	2.708	2.708	(0.710)	873003	5.00000	4.7838
18 1,3-Dichloro-2-propanol	79	3.013	3.013	(0.790)	2136939	5.00000	4.8467
19 N-Nitrosodiethylamine	102	2.991	2.991	(0.784)	892381	5.00000	4.8996
25 Pentachloroethane	167	3.584	3.584	(0.940)	416149	5.00000	4.9147(H)
36 N-Nitrosopyrrolidine	100	4.156	4.156	(1.090)	817136	5.00000	4.5343
37 Acetophenone	105	4.161	4.161	(1.091)	2332709	5.00000	4.8962
39 o-Toluidine	106	4.188	4.188	(1.098)	2991109	5.00000	4.9575
40 N-Nitrosopiperidine	114	4.428	4.428	(0.910)	834144	5.00000	5.0371
45 O,O,O-Triethyl phosphorothioa	198	4.669	4.669	(0.959)	645716	5.00000	5.0411
53 a,a-Dimethyl-phenethylamine	58	4.760	4.760	(0.978)	4066029	5.00000	5.3092
54 2,6-Dichlorophenol	162	4.947	4.947	(1.016)	1057490	5.00000	5.2608
55 Hexachloropropene	213	4.957	4.957	(1.019)	653717	5.00000	5.0620
58 N-Nitrosodi-n-butylamine	84	5.235	5.235	(1.076)	1301652	5.00000	4.9952(H)
60 p-Phenylene diamine	108	5.240	5.240	(1.077)	1765713	5.00000	4.7566
61 Safrole	162	5.406	5.406	(1.111)	1048397	5.00000	5.0620
65 1,2,4,5-Tetrachlorobenzene	216	5.604	5.604	(0.887)	1038327	5.00000	4.8102
71 Isosafrole 1	162	5.641	5.641	(0.893)	338448	5.00000	4.9821
72 Isosafrole 2	162	5.833	5.833	(0.923)	2082409	5.00000	4.9933
75 1,4-Naphthoquinone	158	6.015	6.015	(0.952)	837221	5.00000	5.9527
84 Pentachlorobenzene	250	6.458	6.458	(1.022)	960483	5.00000	4.8880
89 1-Naphthylamine	143	6.560	6.560	(1.038)	2750030	5.00000	5.1765
92 2-Naphthylamine	143	6.629	6.629	(1.049)	2524673	5.00000	4.8513
90 Zinophos	97	6.774	6.774	(1.072)	839878	5.00000	4.9480

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.1\40407a.D\[illegible]
Report Date: 08-Apr-2004 06:39

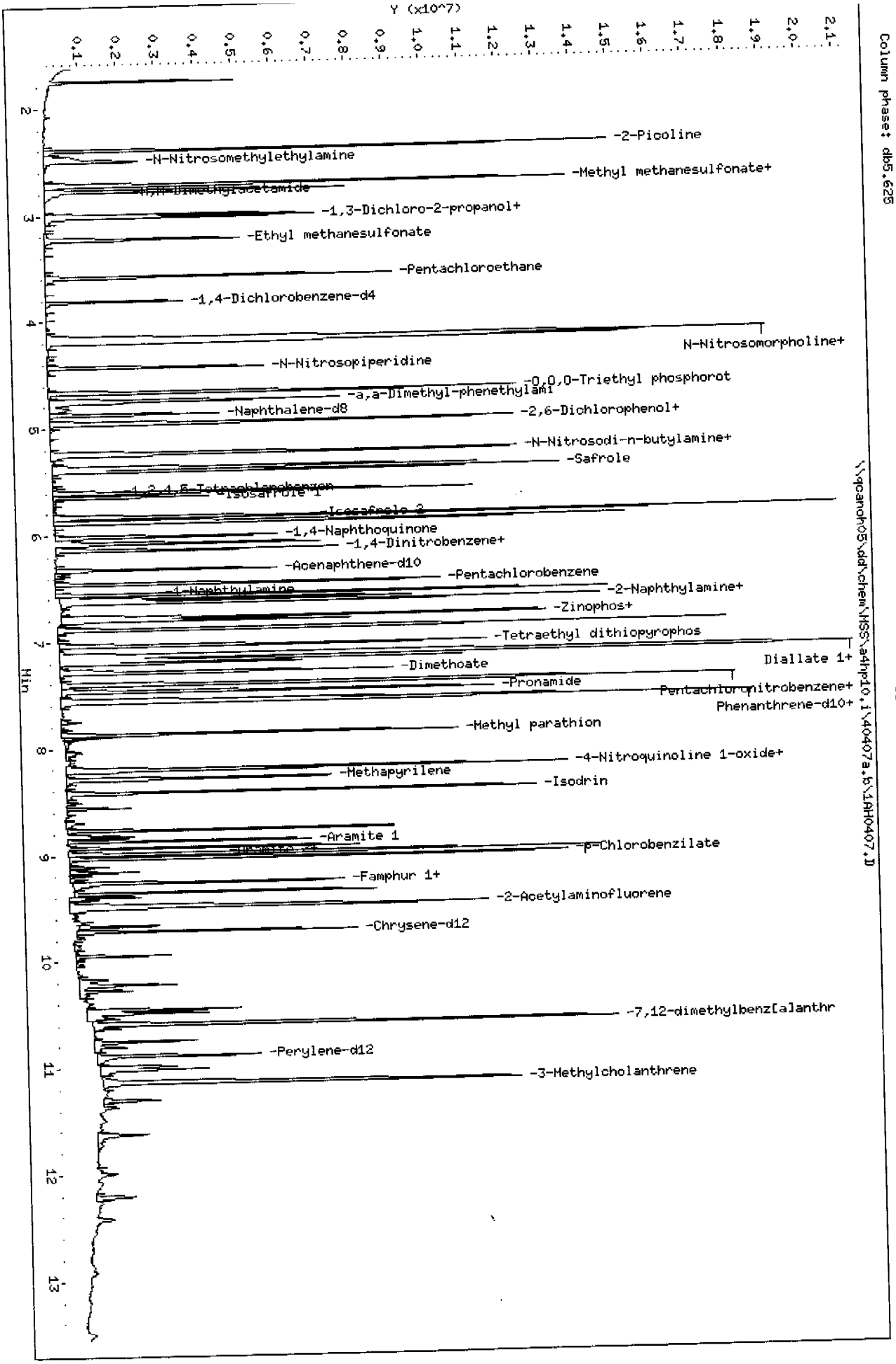
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	7.035	7.035	(0.933)	364184	5.00000	5.0987
103 Diallate 1	86	7.132	7.132	(0.945)	3086655	5.00000	4.9286
109 Diallate 2	86	7.201	7.201	(0.955)	712356	5.00000	5.0375
104 Phorate	121	7.142	7.142	(0.947)	646944	5.00000	5.0425(H)
105 1,3,5-Trinitrobenzene	213	7.116	7.116	(0.943)	322031	5.00000	5.0684(Q)
108 Phenacetin	108	7.169	7.169	(0.950)	1913455	5.00000	5.2411
110 Dimethoate	87	7.281	7.281	(0.965)	1754874	5.00000	5.3996(H)
112 Pentachloronitrobenzene	237	7.399	7.399	(0.981)	286188	5.00000	4.9964(H)
113 4-Aminobiphenyl	169	7.404	7.404	(0.982)	2594588	5.00000	4.9183
114 Pronamide	173	7.468	7.468	(0.990)	1223162	5.00000	5.0809
117 Dinoseb	211	7.554	7.554	(1.001)	712581	5.00000	4.9086
118 Disulfoton	88	7.570	7.570	(1.004)	2290115	5.00000	5.1319
121 4-Nitroquinoline 1-oxide	190	8.205	8.205	(1.088)	380903	5.00000	4.6306(H)
122 Methapyrilene	58	8.285	8.285	(1.098)	1697610	5.00000	5.0773
126 Aramite 1	185	8.868	8.868	(0.912)	272163	5.00000	5.1425
127 Aramite 2	185	8.932	8.932	(0.919)	337155	5.00000	5.1347
128 p-Dimethylamino azobenzene	225	8.991	8.991	(0.925)	1052984	5.00000	5.0820
129 p-Chlorobenzilate	139	9.033	9.033	(0.929)	1469124	5.00000	5.0950
130 Famphur 1	218	9.226	9.226	(0.949)	165041	5.00000	5.6927
230 Famphur 2	218	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	9.263	9.263	(0.953)	1313228	5.00000	4.7899
134 2-Acetylaminofluorene	181	9.477	9.477	(0.975)	2144309	5.00000	5.0428
143 7,12-dimethylbenz[a]anthracen	256	10.593	10.593	(0.973)	1871910	5.00000	5.2852(H)
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.133	11.133	(1.023)	2265709	5.00000	5.0163
193 3-Methylphenol	108	4.167	4.167	(1.092)	1739378	5.00000	5.0809(H)
69 1,4-Dinitrobenzene	168	6.079	6.079	(0.962)	489663	5.00000	4.9560
77 m-Dinitrobenzene	168	6.138	6.138	(0.971)	544744	5.00000	5.4449
88 2,3,4,6-Tetrachlorophenol	232	6.597	6.597	(1.044)	676626	5.00000	5.4126
97 5-Nitro-o-toluidine	152	6.800	6.800	(1.076)	926158	5.00000	5.3190
199 3-Picoline	93	2.724	2.724	(0.714)	1948863	5.00000	4.8864
200 N,N-Dimethylacetamide	44	2.767	2.767	(0.726)	1367259	5.00000	4.5772
225 Methyl parathion	109	7.869	7.869	(1.043)	1236296	5.00000	5.3340(H)
226 Parathion	97	8.195	8.195	(1.086)	814319	5.00000	4.9883(H)
227 Isodrin	66	8.414	8.414	(1.115)	483872	5.00000	4.9032
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AH0407.D
Date : 07-APR-2004 15:55
Client ID:
Sample Info: 17,40407a,b,8270p,2-ap9,sub-1,-7
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AH0407.D
Lab Smp Id: 17
Inj Date : 07-APR-2004 15:55
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 17,40407a.b,8270p,2-ap9.sub,1,,7
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:39 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 10:50 Cal File: 1AMH0407.D
Als bottle: 17 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.814	3.814	(1.000)	390413	2.00000	
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	1737077	2.00000	
* 3 Acenaphthene-d10	164	6.325	6.325	(1.000)	940478	2.00000	
* 4 Phenanthrene-d10	188	7.548	7.548	(1.000)	1581227	2.00000	
* 5 Chrysene-d12	240	9.723	9.723	(1.000)	1667803	2.00000	
* 6 Perylene-d12	264	10.887	10.887	(1.000)	1118719	2.00000	
7 N-Nitrosomorpholine	56	4.194	4.194	(1.099)	1411156	7.50000	7.0621
8 Ethyl methanesulfonate	79	3.232	3.232	(0.847)	2478548	7.50000	7.5396
14 2-Picoline	93	2.399	2.399	(0.629)	3571440	7.50000	7.6768
15 N-Nitrosomethylethylamine	88	2.500	2.500	(0.655)	1641473	7.50000	7.3066
16 Methyl methanesulfonate	80	2.719	2.719	(0.713)	1513270	7.50000	7.4369(Q)
18 1,3-Dichloro-2-propanol	79	3.024	3.024	(0.793)	3682303	7.50000	7.4902
19 N-Nitrosodiethylamine	102	3.002	3.002	(0.787)	1494821	7.50000	7.3608
25 Pentachloroethane	167	3.585	3.585	(0.940)	693623	7.50000	7.3467
36 N-Nitrosopyrrolidine	100	4.167	4.167	(1.092)	1355276	7.50000	6.7447
37 Acetophenone	105	4.167	4.167	(1.092)	3909815	7.50000	7.2523
39 o-Toluidine	106	4.194	4.194	(1.099)	4931585	7.50000	7.3306(Q)
40 N-Nitrosopiperidine	114	4.434	4.434	(0.911)	1400524	7.50000	7.5027
45 O,O,O-Triethyl phosphorothioa	198	4.669	4.669	(0.959)	1053679	7.50000	7.2976
53 a,a-Dimethyl-phenethylamine	58	4.744	4.744	(0.975)	6983463	7.50000	8.0895
54 2,6-Dichlorophenol	162	4.952	4.952	(1.018)	1673995	7.50000	7.3879
55 Hexachloropropene	213	4.963	4.963	(1.020)	1091951	7.50000	7.5011
58 N-Nitrosodi-n-butylamine	84	5.241	5.241	(1.077)	2185295	7.50000	7.4398
60 p-Phenylene diamine	108	5.251	5.251	(1.079)	3029319	7.50000	7.5595
61 Safrole	162	5.406	5.406	(1.111)	1710431	7.50000	7.3264
65 1,2,4,5-Tetrachlorobenzene	216	5.604	5.604	(0.886)	1709692	7.50000	7.3259
71 Isosafrole 1	162	5.647	5.647	(0.893)	554363	7.50000	7.5479
72 Isosafrole 2	162	5.839	5.839	(0.923)	3289609	7.50000	7.2959
75 1,4-Naphthoquinone	158	6.015	6.015	(0.951)	1079134	7.50000	8.6160
84 Pentachlorobenzene	250	6.459	6.459	(1.021)	1541696	7.50000	7.2570
89 1-Naphthylamine	143	6.565	6.565	(1.038)	4622880	7.50000	8.0487
92 2-Naphthylamine	143	6.635	6.635	(1.049)	4399756	7.50000	7.8198
90 Zinophos	97	6.779	6.779	(1.072)	1374209	7.50000	7.4883

Data File: \\qcanoh05\dd\chem\MSS\a4np10.1\4040/a.D\1AM040/.D
Report Date: 08-Apr-2004 06:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	7.041	7.041	(0.933)	560940	7.50000	7.2843
103 Diallate 1	86	7.137	7.137	(0.946)	4786646	7.50000	7.0892
109 Diallate 2	86	7.201	7.201	(0.954)	1142903	7.50000	7.4965
104 Phorate	121	7.148	7.148	(0.947)	986330	7.50000	7.1307
105 1,3,5-Trinitrobenzene	213	7.121	7.121	(0.943)	493687	7.50000	7.3935(Q)
108 Phenacetin	108	7.185	7.185	(0.952)	3127594	7.50000	7.9459
110 Dimethoate	87	7.297	7.297	(0.967)	2618609	7.50000	7.4733
112 Pentachloronitrobenzene	237	7.404	7.404	(0.981)	440042	7.50000	7.1257
113 4-Aminobiphenyl	169	7.410	7.410	(0.982)	4366183	7.50000	7.6768
114 Pronamide	173	7.479	7.479	(0.991)	1920687	7.50000	7.4002
117 Dinoseb	211	7.564	7.564	(1.002)	1219250	7.50000	7.6907
118 Disulfoton	88	7.575	7.575	(1.004)	3543145	7.50000	7.3644
121 4-Nitroquinoline 1-oxide	190	8.216	8.216	(1.088)	704936	7.50000	8.0497
122 Methapyrilene	58	8.286	8.286	(1.098)	2406620	7.50000	7.7564
126 Aramite 1	185	8.873	8.873	(0.913)	422308	7.50000	7.1914
127 Aramite 2	185	8.937	8.937	(0.919)	524082	7.50000	7.1931
128 p-Dimethylamino azobenzene	225	8.996	8.996	(0.925)	1656070	7.50000	7.2033
129 p-Chlorobenzilate	139	9.034	9.034	(0.929)	2276958	7.50000	7.1168
130 Famphur 1	218	9.226	9.226	(0.949)	144321	7.50000	6.4700
230 Famphur 2	218	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	9.263	9.263	(0.953)	2312224	7.50000	7.8530
134 2-Acetylaminofluorene	181	9.488	9.488	(0.976)	3516936	7.50000	7.4540
143 7,12-dimethylbenz[a]anthracen	256	10.599	10.599	(0.974)	3089089	7.50000	8.0295
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.144	11.144	(1.024)	3679585	7.50000	7.4999
193 3-Methylphenol	108	4.177	4.177	(1.095)	2844754	7.50000	7.4528(Q)
69 1,4-Dinitrobenzene	168	6.085	6.085	(0.962)	792801	7.50000	7.4142
77 m-Dinitrobenzene	168	6.143	6.143	(0.971)	862538	7.50000	7.9743
88 2,3,4,6-Tetrachlorophenol	232	6.603	6.603	(1.044)	1095141	7.50000	8.1030
97 5-Nitro-o-toluidine	152	6.811	6.811	(1.077)	1478616	7.50000	7.8544
199 3-Picoline	93	2.724	2.724	(0.714)	3382756	7.50000	7.6068
200 N,N-Dimethylacetamide	44	2.778	2.778	(0.728)	2402495	7.50000	7.2134
225 Methyl parathion	109	7.874	7.874	(1.043)	1855275	7.50000	7.4245
226 Parathion	97	8.200	8.200	(1.086)	1287603	7.50000	7.3160
227 Isodrin	66	8.414	8.414	(1.115)	763347	7.50000	7.1746
228 Kepone	272	Compound Not Detected.					

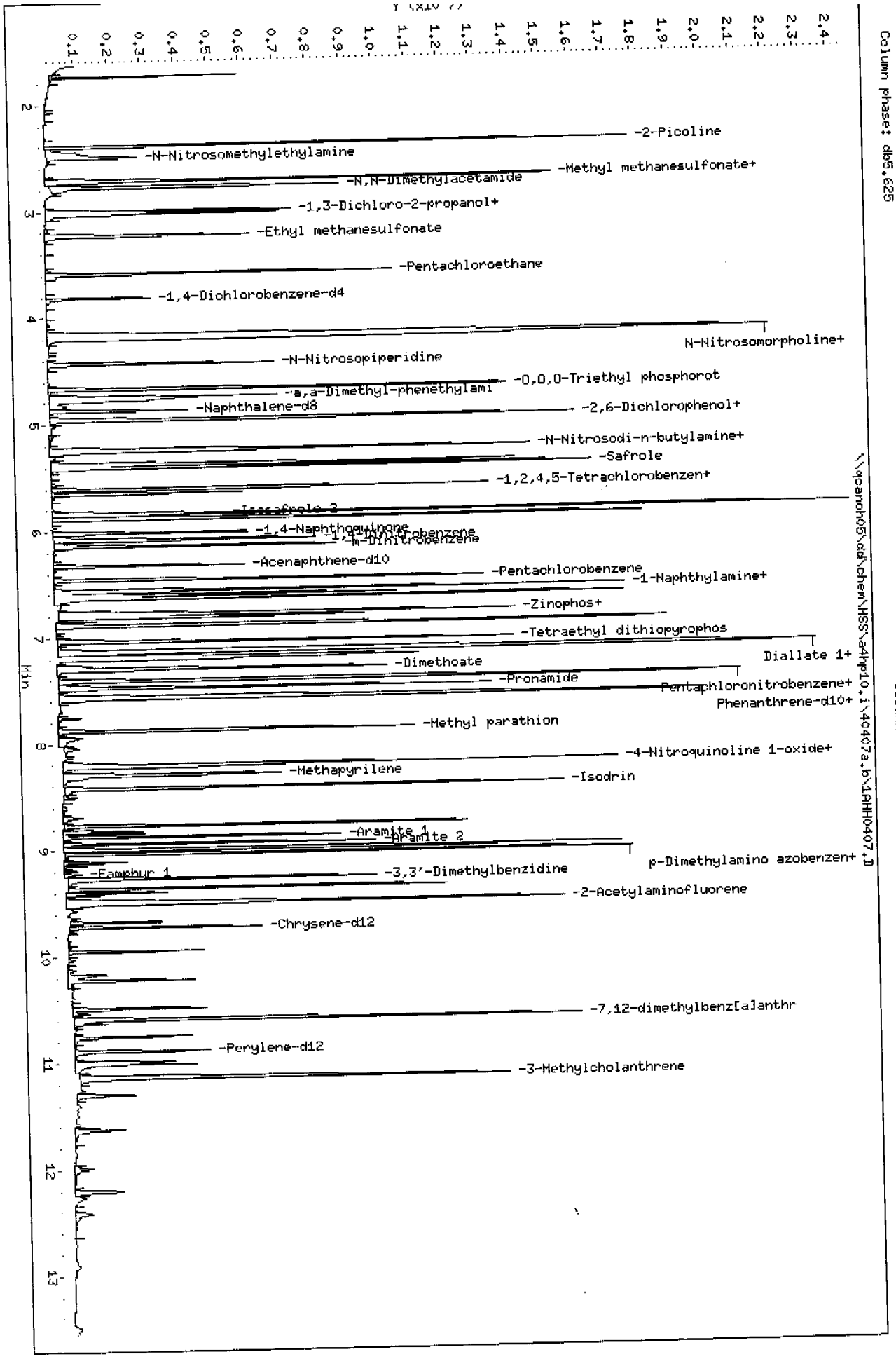
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\acanon05\dd\chem\MSS\a4hp10.i\40407a.b\1AHH0407.D
Date : 07-APR-2004 16:16
Client ID:
Sample Info: 18,40407a,b,8270p,2-ap9,sub,1,8

Column phase: db5,625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



Page 3

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hpl0.i\40407a.b\1AHH0407.D
Lab Smp Id: 18
Inj Date : 07-APR-2004 16:16
Operator : 046900 Inst ID: a4hpl0.i
Smp Info : 18,40407a.b,8270p,2-ap9.sub,1,,8
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hpl0.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:39 a4hpl0.i Quant Type: ISTD
Cal Date : 07-APR-2004 15:55 Cal File: 1AH0407.D
Als bottle: 18 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.814	3.814	(1.000)	353615	2.00000	
* 2 Naphthalene-d8	136	4.872	4.872	(1.000)	1601999	2.00000	
* 3 Acenaphthene-d10	164	6.325	6.325	(1.000)	877857	2.00000	
* 4 Phenanthrene-d10	188	7.549	7.549	(1.000)	1481245	2.00000	
* 5 Chrysene-d12	240	9.723	9.723	(1.000)	1605005	2.00000	
* 6 Perylene-d12	264	10.887	10.887	(1.000)	1046756	2.00000	
7 N-Nitrosomorpholine	56	4.199	4.199	(1.101)	1707098	10.0000	9.4321
8 Ethyl methanesulfonate	79	3.237	3.237	(0.849)	3010335	10.0000	10.110
14 2-Picoline	93	2.393	2.393	(0.627)	3900402	10.0000	9.2564
15 N-Nitrosomethylethylamine	88	2.500	2.500	(0.655)	2040644	10.0000	10.029
16 Methyl methanesulfonate	80	2.714	2.714	(0.712)	1775163	10.0000	9.6318
18 1,3-Dichloro-2-propanol	79	3.024	3.024	(0.793)	4482782	10.0000	10.067
19 N-Nitrosodiethylamine	102	3.002	3.002	(0.787)	1853446	10.0000	10.076
25 Pentachloroethane	167	3.585	3.585	(0.940)	827812	10.0000	9.6804
36 N-Nitrosopyrrolidine	100	4.167	4.167	(1.092)	1749092	10.0000	9.6104
37 Acetophenone	105	4.167	4.167	(1.092)	4870968	10.0000	10.036
39 o-Toluidine	106	4.194	4.194	(1.099)	5976731	10.0000	9.8086(Q)
40 N-Nitrosopiperidine	114	4.439	4.439	(0.911)	1741850	10.0000	10.118
45 O,O,O-Triethyl phosphorothioa	198	4.674	4.674	(0.959)	1270397	10.0000	9.5405
53 a,a-Dimethyl-phenethylamine	58	4.744	4.744	(0.974)	8727136	10.0000	10.962
54 2,6-Dichlorophenol	162	4.958	4.958	(1.018)	2006896	10.0000	9.6039
55 Hexachloropropene	213	4.963	4.963	(1.019)	1301159	10.0000	9.6919
58 N-Nitrosodi-n-butylamine	84	5.246	5.246	(1.077)	2704977	10.0000	9.9855
60 p-Phenylene diamine	108	5.257	5.257	(1.079)	3622002	10.0000	10.246
61 Safrole	162	5.412	5.412	(1.111)	2093174	10.0000	9.7218
65 1,2,4,5-Tetrachlorobenzene	216	5.609	5.609	(0.887)	2085480	10.0000	9.5735
71 Isosafrole 1	162	5.647	5.647	(0.893)	698756	10.0000	10.192
72 Isosafrole 2	162	5.844	5.844	(0.924)	3929070	10.0000	9.3358
75 1,4-Naphthoquinone	158	6.021	6.021	(0.952)	1132815	10.0000	11.039
84 Pentachlorobenzene	250	6.464	6.464	(1.022)	1896815	10.0000	9.5655
89 1-Naphthylamine	143	6.571	6.571	(1.039)	5736057	10.0000	10.699
92 2-Naphthylamine	143	6.640	6.640	(1.050)	5450139	10.0000	10.378
90 Zinophos	97	6.785	6.785	(1.073)	1732938	10.0000	10.117

Data File: \\qcanon05\dd\chem\MSS\a4mp10.i\4040[illegible]
Report Date: 08-Apr-2004 06:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	7.046	7.046	(0.933)	696490	10.0000	9.6550
103 Diallate 1	86	7.137	7.137	(0.946)	5782784	10.0000	9.1426
109 Diallate 2	86	7.207	7.207	(0.955)	1438682	10.0000	10.074(Q)
104 Phorate	121	7.153	7.153	(0.948)	1248495	10.0000	9.6352
105 1,3,5-Trinitrobenzene	213	7.126	7.126	(0.944)	610996	10.0000	10.095(Q)
108 Phenacetin	108	7.191	7.191	(0.953)	3641482	10.0000	9.8759
110 Dimethoate	87	7.303	7.303	(0.967)	2773997	10.0000	8.4511
112 Pentachloronitrobenzene	237	7.410	7.410	(0.982)	544605	10.0000	9.4142
113 4-Aminobiphenyl	169	7.415	7.415	(0.982)	5334992	10.0000	10.013
114 Pronamide	173	7.484	7.484	(0.992)	2390039	10.0000	9.8302
117 Dinoseb	211	7.570	7.570	(1.003)	1467762	10.0000	9.8355
118 Disulfoton	88	7.575	7.575	(1.004)	4423970	10.0000	9.8159
121 4-Nitroquinoline 1-oxide	190	8.222	8.222	(1.089)	792083	10.0000	9.7740
122 Methapyrilene	58	8.291	8.291	(1.098)	2617197	10.0000	9.8660
126 Aramite 1	185	8.873	8.873	(0.913)	520456	10.0000	9.2096
127 Aramite 2	185	8.938	8.938	(0.919)	648313	10.0000	9.2464
128 p-Dimethylamino azobenzene	225	8.996	8.996	(0.925)	2082353	10.0000	9.4119
129 p-Chlorobenzilate	139	9.039	9.039	(0.930)	2735589	10.0000	8.8848
130 Famphur 1	218	9.226	9.226	(0.949)	135288	10.0000	6.4412
230 Famphur 2	218	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	9.269	9.269	(0.953)	2767515	10.0000	9.9540
134 2-Acetylaminofluorene	181	9.498	9.498	(0.977)	4331168	10.0000	9.5389
143 7,12-dimethylbenz[a]anthracen	256	10.599	10.599	(0.974)	3957233	10.0000	10.993
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.144	11.144	(1.024)	4632909	10.0000	10.092
193 3-Methylphenol	108	4.183	4.183	(1.097)	3497255	10.0000	10.116(Q)
69 1,4-Dinitrobenzene	168	6.090	6.090	(0.963)	1023045	10.0000	10.313
77 m-Dinitrobenzene	168	6.149	6.149	(0.972)	1095531	10.0000	10.851
88 2,3,4,6-Tetrachlorophenol	232	6.608	6.608	(1.045)	1380133	10.0000	10.940
97 5-Nitro-o-toluidine	152	6.817	6.817	(1.078)	1878818	10.0000	10.692
199 3-Picoline	93	2.724	2.724	(0.714)	4060117	10.0000	10.080
200 N,N-Dimethylacetamide	44	2.778	2.778	(0.728)	2990866	10.0000	9.9144
225 Methyl parathion	109	7.880	7.880	(1.044)	2179175	10.0000	9.3094
226 Parathion	97	8.206	8.206	(1.087)	1541267	10.0000	9.3484
227 Isodrin	66	8.419	8.419	(1.115)	908708	10.0000	9.1174
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

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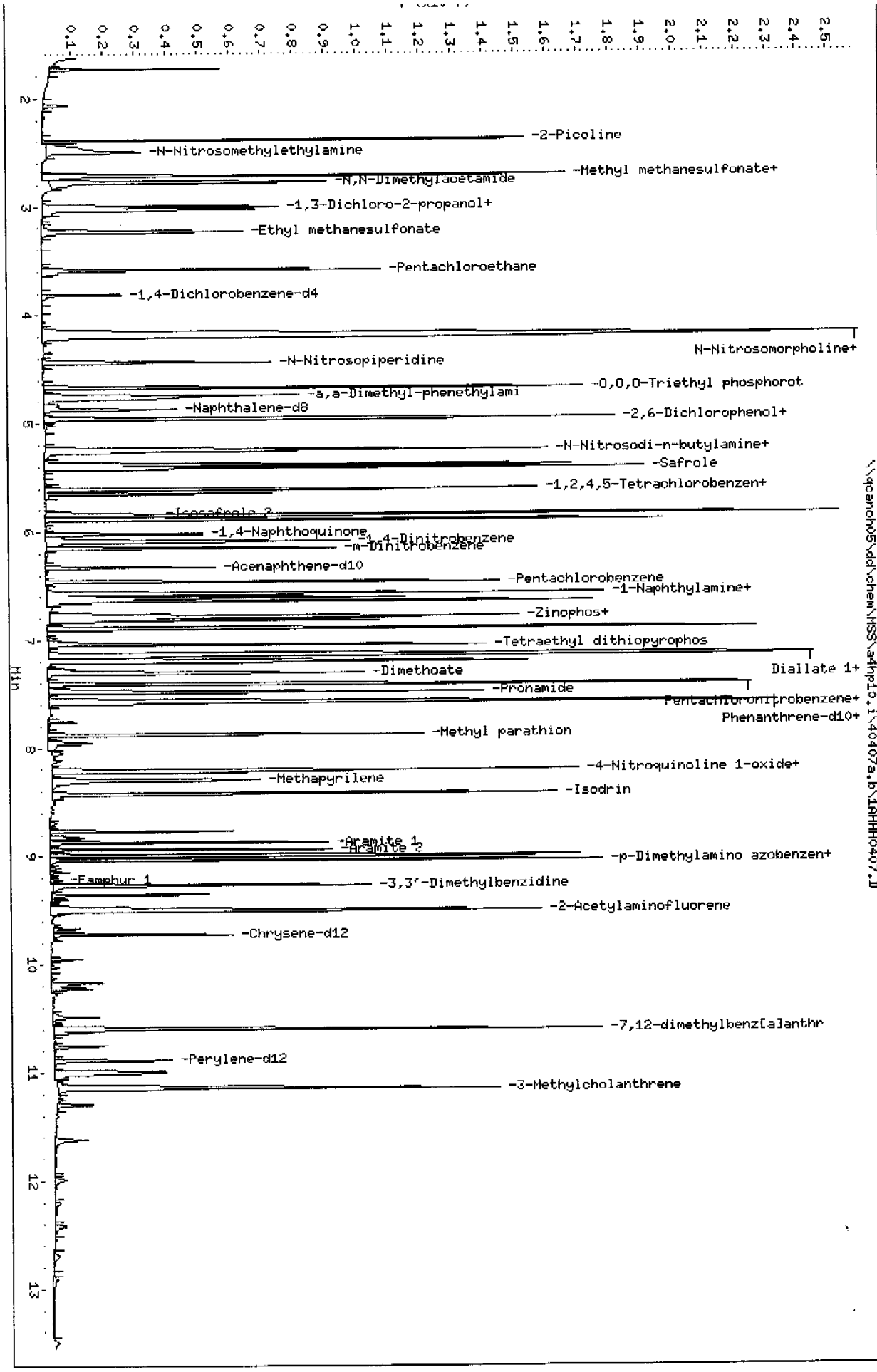
Date : 07-APR-2004 16:38
Client ID:
Sample Info: 19,40407a.b,8270p,2-ap9,sub,1,,9
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



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Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AHHH0407.D
Report Date: 08-Apr-2004 06:39

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1AHHH0407.D
Lab Smp Id: 19
Inj Date : 07-APR-2004 16:38
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 19,40407a.b,8270p,2-ap9.sub,1,,9
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:39 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 16:16 Cal File: 1AHH0407.D
Als bottle: 19 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.814	3.814	(1.000)	308190	2.00000	
* 2 Naphthalene-d8	136	4.872	4.872	(1.000)	1470381	2.00000	
* 3 Acenaphthene-d10	164	6.325	6.325	(1.000)	814786	2.00000	
* 4 Phenanthrene-d10	188	7.549	7.549	(1.000)	1349181	2.00000	
* 5 Chrysene-d12	240	9.723	9.723	(1.000)	1459743	2.00000	
* 6 Perylene-d12	264	10.887	10.887	(1.000)	936799	2.00000	
7 N-Nitrosomorpholine	56	4.204	4.204	(1.102)	1779274	12.5000	11.280
8 Ethyl methanesulfonate	79	3.237	3.237	(0.849)	3407398	12.5000	13.130
14 2-Picoline	93	2.388	2.388	(0.626)	3960157	12.5000	10.783
15 N-Nitrosomethylethylamine	88	2.495	2.495	(0.654)	2239552	12.5000	12.628
16 Methyl methanesulfonate	80	2.714	2.714	(0.712)	1878934	12.5000	11.698
18 1,3-Dichloro-2-propanol	79	3.029	3.029	(0.794)	4854706	12.5000	12.510
19 N-Nitrosodiethylamine	102	3.002	3.002	(0.787)	2004930	12.5000	12.506
25 Pentachloroethane	167	3.585	3.585	(0.940)	856814	12.5000	11.496
36 N-Nitrosopyrrolidine	100	4.172	4.172	(1.094)	1990963	12.5000	12.552
37 Acetophenone	105	4.167	4.167	(1.092)	5511060	12.5000	12.794(Q)
39 o-Toluidine	106	4.199	4.199	(1.101)	6545860	12.5000	12.326(Q)
40 N-Nitrosopiperidine	114	4.439	4.439	(0.911)	2010182	12.5000	12.722
45 O,O,O-Triethyl phosphorothioa	198	4.674	4.674	(0.959)	1422919	12.5000	11.642
53 a,a-Dimethyl-phenethylamine	58	4.744	4.744	(0.974)	9732950	12.5000	13.319
54 2,6-Dichlorophenol	162	4.958	4.958	(1.018)	2188302	12.5000	11.409
55 Hexachloropropene	213	4.963	4.963	(1.019)	1419822	12.5000	11.522
58 N-Nitrosodi-n-butylamine	84	5.251	5.251	(1.078)	3072460	12.5000	12.357
60 p-Phenylene diamine	108	5.262	5.262	(1.080)	3871423	12.5000	12.331
61 Safrole	162	5.412	5.412	(1.111)	2321404	12.5000	11.747
65 1,2,4,5-Tetrachlorobenzene	216	5.609	5.609	(0.887)	2328895	12.5000	11.518
71 Isosafrole 1	162	5.647	5.647	(0.893)	786863	12.5000	12.366
72 Isosafrole 2	162	5.844	5.844	(0.924)	4441504	12.5000	11.370
75 1,4-Naphthoquinone	158	6.021	6.021	(0.952)	998686	12.5000	9.9030
84 Pentachlorobenzene	250	6.464	6.464	(1.022)	2131708	12.5000	11.582
89 1-Naphthylamine	143	6.571	6.571	(1.039)	6444684	12.5000	12.952
92 2-Naphthylamine	143	6.640	6.640	(1.050)	6130280	12.5000	12.576
90 Zinophos	97	6.790	6.790	(1.073)	1930189	12.5000	12.140

Data File: \\qcanoh05\dd\chem\MSS\a4mp10.1\4040[illegible]
Report Date: 08-Apr-2004 06:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	7.046	7.046	(0.933)	765586	12.5000	11.652
103 Diallate 1	86	7.143	7.143	(0.946)	6283961	12.5000	10.907
109 Diallate 2	86	7.207	7.207	(0.955)	1552046	12.5000	11.931
104 Phorate	121	7.153	7.153	(0.948)	1306335	12.5000	11.068
105 1,3,5-Trinitrobenzene	213	7.132	7.132	(0.945)	667865	12.5000	12.463(Q)
108 Phenacetin	108	7.201	7.201	(0.954)	4132269	12.5000	12.304
110 Dimethoate	87	7.308	7.308	(0.968)	2901374	12.5000	9.7044
112 Pentachloronitrobenzene	237	7.410	7.410	(0.982)	600644	12.5000	11.399
113 4-Aminobiphenyl	169	7.415	7.415	(0.982)	5704926	12.5000	11.756
114 Pronamide	173	7.484	7.484	(0.992)	2687192	12.5000	12.134
117 Dinoseb	211	7.570	7.570	(1.003)	1710971	12.5000	12.542
118 Disulfoton	88	7.581	7.581	(1.004)	4548605	12.5000	11.080
121 4-Nitroquinoline 1-oxide	190	8.222	8.222	(1.089)	900423	12.5000	12.455
122 Methapyrilene	58	8.296	8.296	(1.099)	2745048	12.5000	12.457
126 Aramite 1	185	8.873	8.873	(0.913)	562748	12.5000	10.949
127 Aramite 2	185	8.943	8.943	(0.920)	702175	12.5000	11.011
128 p-Dimethylamino azobenzene	225	9.002	9.002	(0.926)	2268112	12.5000	11.272
129 p-Chlorobenzilate	139	9.039	9.039	(0.930)	3037042	12.5000	10.845
130 Famphur 1	218	9.226	9.226	(0.949)	100689	12.5000	5.7559
230 Famphur 2	218	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	9.269	9.269	(0.953)	3077991	12.5000	12.423
134 2-Acetylaminofluorene	181	9.498	9.498	(0.977)	4642709	12.5000	11.242
143 7,12-dimethylbenz[a]anthracen	256	10.604	10.604	(0.974)	4281934	12.5000	13.292
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.149	11.149	(1.024)	4917281	12.5000	11.969
193 3-Methylphenol	108	4.188	4.188	(1.098)	3843578	12.5000	12.756
69 1,4-Dinitrobenzene	168	6.090	6.090	(0.963)	1127537	12.5000	12.319
77 m-Dinitrobenzene	168	6.149	6.149	(0.972)	1258267	12.5000	13.427
88 2,3,4,6-Tetrachlorophenol	232	6.608	6.608	(1.045)	1532241	12.5000	13.086
97 5-Nitro-o-toluidine	152	6.822	6.822	(1.079)	2085423	12.5000	12.787
199 3-Picoline	93	2.719	2.719	(0.713)	4113191	12.5000	11.717
200 N,N-Dimethylacetamide	44	2.778	2.778	(0.728)	3373862	12.5000	12.832
225 Methyl parathion	109	7.880	7.880	(1.044)	2216350	12.5000	10.395
226 Parathion	97	8.206	8.206	(1.087)	1690982	12.5000	11.260
227 Isodrin	66	8.419	8.419	(1.115)	1002200	12.5000	11.040
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\icvap9.D 4/08/04
Report Date: 08-Apr-2004 06:46

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp10.i
Lab File ID: ICVAP9.D
Analysis Type:
Lab Sample ID: icvap9
Method: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m

Injection Date: 07-APR-2004 16:59
Init. Cal. Date(s): 07-APR-2004 07-APR-2004
Init. Cal. Times: 10:28 16:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 N-Nitrosomorpholine	1.02364	1.04578	1.04578	0.010	-2.16277	50.00000	Averaged
8 Ethyl methanesulfonate	1.68404	1.71223	1.71223	0.010	-1.67448	50.00000	Averaged
14 2-Picoline	2.38323	2.53140	2.53140	0.010	-6.21721	50.00000	Averaged
15 N-Nitrosomethylethylamine	1.15087	1.16949	1.16949	0.010	-1.61781	50.00000	Averaged
16 Methyl methanesulfonate	1.04239	1.02623	1.02623	0.010	1.54958	50.00000	Averaged
18 1,3-Dichloro-2-propanol	2.51843	2.51144	2.51144	0.010	0.27771	50.00000	Averaged
19 N-Nitrosodiethylamine	1.04033	1.06286	1.06286	0.010	-2.16480	50.00000	Averaged
25 Pentachloroethane	0.48366	0.49047	0.49047	0.010	-1.40896	50.00000	Averaged
36 N-Nitrosopyrrolidine	1.02936	1.13761	1.13761	0.010	-10.51613	50.00000	Averaged
37 Acetophenone	2.79541	2.85848	2.85848	0.010	-2.25643	50.00000	Averaged
39 o-Toluidine	3.44632	3.61288	3.61288	0.010	-4.83327	50.00000	Averaged
40 N-Nitrosopiperidine	0.21492	0.22009	0.22009	0.010	-2.40346	50.00000	Averaged
45 O,O,O-Triethyl phosphorothi	0.16624	0.17112	0.17112	0.010	-2.93516	50.00000	Averaged
53 a,a-Dimethyl-phenethylamine	0.99394	1.25389	1.25389	0.010	-26.15420	50.00000	Averaged
54 2,6-Dichlorophenol	0.26088	0.26607	0.26607	0.010	-1.98892	50.00000	Averaged
55 Hexachloropropene	0.16761	0.17697	0.17697	0.010	-5.58901	50.00000	Averaged
58 N-Nitrosodi-n-butylamine	0.33819	0.34103	0.34103	0.010	-0.84026	50.00000	Averaged
60 p-Phenylene diamine	5.00000	5.21038	0.49903	0.010	-4.20753	0.000e+000	Quadratic
61 Safrole	0.26880	0.28275	0.28275	0.010	-5.19172	50.00000	Averaged
65 1,2,4,5-Tetrachlorobenzene	0.49629	0.50612	0.50612	0.010	-1.97953	50.00000	Averaged
71 Isosafrole 1	0.15619	0.16444	0.16444	0.010	-5.28152	50.00000	Averaged
M 188 Isosafrole, Total	1.11503	1.17806	1.17806	0.010	-5.65332	50.00000	Averaged
72 Isosafrole 2	0.95884	1.01363	1.01363	0.010	-5.71388	50.00000	Averaged
75 1,4-Naphthoquinone	5.00000	6.40992	0.39880	0.010	-28.19849	0.000e+000	Quadratic
84 Pentachlorobenzene	0.45178	0.45534	0.45534	0.010	-0.78940	50.00000	Averaged
89 1-Naphthylamine	1.22143	1.33694	1.33694	0.010	-9.45730	50.00000	Averaged
92 2-Naphthylamine	1.19650	1.19877	1.19877	0.010	-0.18933	50.00000	Averaged
90 Zinophos	0.39026	0.39765	0.39765	0.010	-1.89444	50.00000	Averaged
102 Tetraethyl dithiopyrophosph	0.09740	0.09824	0.09824	0.010	-0.85976	50.00000	Averaged
103 Diallate 1	0.85402	0.89153	0.89153	0.010	-4.39209	50.00000	Averaged
M 189 Diallate, Total	4.35754	4.47988	4.47988	0.010	-2.80738	50.00000	Averaged
109 Diallate 2	0.19283	0.20057	0.20057	0.010	-4.01171	50.00000	Averaged
104 Phorate	0.17496	0.18051	0.18051	0.010	-3.17455	50.00000	Averaged
105 1,3,5-Trinitrobenzene	5.00000	5.33477	0.09221	0.010	-6.69544	0.000e+000	Quadratic
108 Phenacetin	0.49785	0.54073	0.54073	0.010	-8.61150	50.00000	Averaged
110 Dimethoate	0.44319	0.48627	0.48627	0.010	-9.72029	50.00000	Averaged
112 Pentachloronitrobenzene	0.07811	0.07820	0.07820	0.010	-0.11919	50.00000	Averaged
113 4-Aminobiphenyl	0.71938	0.74299	0.74299	0.010	-3.28238	50.00000	Averaged
114 Pronamide	0.32828	0.33995	0.33995	0.010	-3.55382	50.00000	Averaged
117 Dinoseb	5.00000	5.36007	0.21286	0.010	-7.20141	0.000e+000	Quadratic
118 Disulfoton	0.60853	0.64151	0.64151	0.010	-5.41972	50.00000	Averaged
121 4-Nitroquinoline 1-oxide	5.00000	5.62836	0.12619	0.010	-12.56720	0.000e+000	Quadratic

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\icvap9.D Page 2
Report Date: 08-Apr-2004 06:46

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp10.i
Lab File ID: ICVAP9.D
Analysis Type:
Lab Sample ID: icvap9
Method: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m

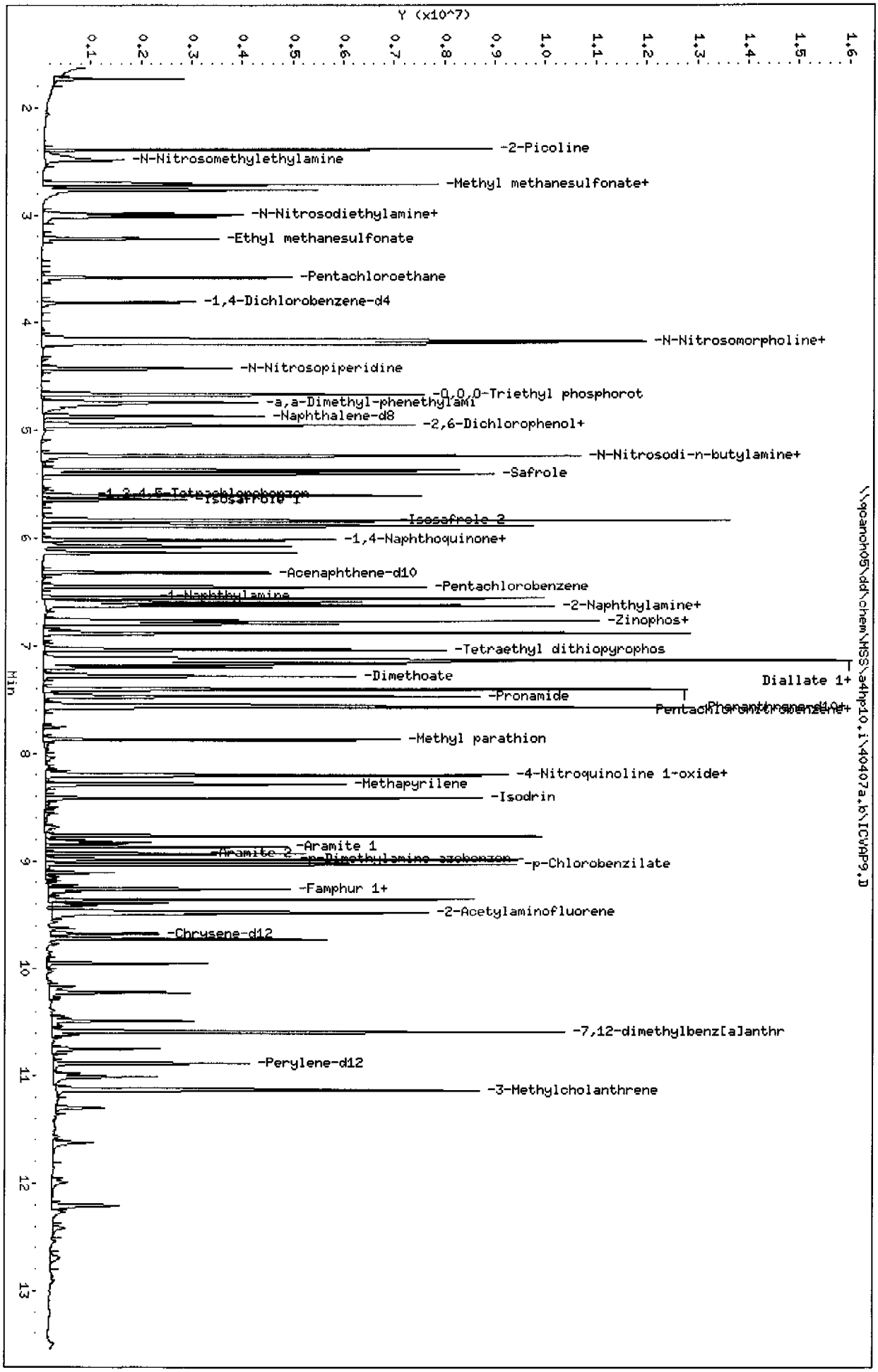
Injection Date: 07-APR-2004 16:59
Init. Cal. Date(s): 07-APR-2004 07-APR-2004
Init. Cal. Times: 10:28 16:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
122 Methapyrilene	5.00000	5.04840	0.46124	0.010	-0.96795	0.000e+000	Quadratic	
126 Aramite 1	0.07042	0.07335	0.07335	0.010	-4.16305	50.00000	Averaged	
M 191 Aramite, Total	0.66798	0.69681	0.69681	0.010	-4.31637	50.00000	Averaged	
127 Aramite 2	0.08737	0.09204	0.09204	0.010	-5.34081	50.00000	Averaged	
128 p-Dimethylamino azobenzene	0.27570	0.28701	0.28701	0.010	-4.10216	50.00000	Averaged	
129 p-Chlorobenzilate	0.38367	0.40548	0.40548	0.010	-5.68542	50.00000	Averaged	
130 Famphur 1	5.00000	6.32911	0.03924	0.010	-26.58229	0.000e+000	Quadratic	
M 229 Famphur,Total	0.61406	0.16533	0.16533	0.010	73.07581	50.00000	Averaged	<-
230 Famphur 2	++++	0.00295	0.00295	0.010	++++	50.00000	Averaged	<-
132 3,3'-Dimethylbenzidine	5.00000	5.34263	0.38724	0.010	-6.85268	0.000e+000	Quadratic	
134 2-Acetylaminofluorene	0.56580	0.57626	0.57626	0.010	-1.84996	50.00000	Averaged	
143 7,12-dimethylbenz[a]anthrac	0.68778	0.77302	0.77302	0.010	-12.39376	50.00000	Averaged	
144 Hexachlorophene	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
145 Hexachlorophene product	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
148 3-Methylcholanthrene	0.87710	0.93201	0.93201	0.010	-6.25964	50.00000	Averaged	
193 3-Methylphenol	1.95539	2.03256	2.03256	0.010	-3.94659	50.00000	Averaged	
69 1,4-Dinitrobenzene	5.00000	4.99614	0.22701	0.010	0.07719	0.000e+000	Quadratic	
77 m-Dinitrobenzene	0.23002	0.25039	0.25039	0.010	-8.85437	50.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.28741	0.31540	0.31540	0.010	-9.73690	50.00000	Averaged	
97 5-Nitro-o-toluidine	0.40034	0.42415	0.42415	0.010	-5.94744	50.00000	Averaged	
199 3-Picoline	2.27810	2.35759	2.35759	0.010	-3.48912	50.00000	Averaged	
200 N,N-Dimethylacetamide	1.70620	1.75400	1.75400	0.010	-2.80160	50.00000	Averaged	
225 Methyl parathion	0.31606	0.34315	0.34315	0.010	-8.56879	50.00000	Averaged	
226 Parathion	0.22261	0.22459	0.22459	0.010	-0.88749	50.00000	Averaged	
227 Isodrin	0.13457	0.13751	0.13751	0.010	-2.18225	50.00000	Averaged	
228 Kepone	++++	0.01486	0.01486	0.010	++++	50.00000	Averaged	<-

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\ICVAP9.D
Date : 07-APR-2004 16:59
Client ID:
Sample Info: icvap9,40407a,b,8270p,2-ap9,sub,2
Column phase: db5.625

Operator: 046900
Column diameter: 0.32

Instrument: a4hp10.i



Page 1

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\ICVAP9.D
Report Date: 08-Apr-2004 06:46

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\ICVAP9.D
Lab Smp Id: icvap9
Inj Date : 07-APR-2004 16:59
Operator : 046900 Inst ID: a4hp10.i
Smp Info : icvap9,40407a.b,8270p,2-ap9.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 06:45 a4hp10.i Quant Type: ISTD
Cal Date : 07-APR-2004 16:38 Cal File: 1AHHH0407.D
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.809	3.809	(1.000)	339720	2.00000	
* 2 Naphthalene-d8	136	4.867	4.867	(1.000)	1531066	2.00000	
* 3 Acenaphthene-d10	164	6.325	6.325	(1.000)	826031	2.00000	
* 4 Phenanthrene-d10	188	7.543	7.543	(1.000)	1393552	2.00000	
* 5 Chrysene-d12	240	9.723	9.723	(1.000)	1431294	2.00000	
* 6 Perylene-d12	264	10.887	10.887	(1.000)	981332	2.00000	
7 N-Nitrosomorpholine	56	4.183	4.183	(1.098)	888184	5.00000	5.1081
8 Ethyl methanesulfonate	79	3.221	3.221	(0.846)	1454201	5.00000	5.0837(H)
14 2-Picoline	93	2.388	2.388	(0.627)	2149920	5.00000	5.3109
15 N-Nitrosomethylethylamine	88	2.489	2.489	(0.654)	993244	5.00000	5.0809
16 Methyl methanesulfonate	80	2.703	2.703	(0.710)	871580	5.00000	4.9225
18 1,3-Dichloro-2-propanol	79	3.007	3.007	(0.790)	2132965	5.00000	4.9861(H)
19 N-Nitrosodiethylamine	102	2.991	2.991	(0.785)	902683	5.00000	5.1082
25 Pentachloroethane	167	3.579	3.579	(0.940)	416556	5.00000	5.0704
36 N-Nitrosopyrrolidine	100	4.156	4.156	(1.091)	966174	5.00000	5.5258
37 Acetophenone	105	4.161	4.161	(1.093)	2427711	5.00000	5.1128
39 o-Toluidine	106	4.188	4.188	(1.100)	3068423	5.00000	5.2417
40 N-Nitrosopiperidine	114	4.428	4.428	(0.910)	842429	5.00000	5.1202
45 O,O,O-Triethyl phosphorothioa	198	4.669	4.669	(0.959)	654990	5.00000	5.1468
53 a,a-Dimethyl-phenethylamine	58	4.738	4.738	(0.974)	4799487	5.00000	6.3077
54 2,6-Dichlorophenol	162	4.947	4.947	(1.016)	1018433	5.00000	5.0994
55 Hexachloropropene	213	4.957	4.957	(1.019)	677393	5.00000	5.2794
58 N-Nitrosodi-n-butylamine	84	5.235	5.235	(1.076)	1305352	5.00000	5.0420
60 p-Phenylene diamine	108	5.240	5.240	(1.077)	1910115	5.00000	5.2104
61 Safrole	162	5.406	5.406	(1.111)	1082289	5.00000	5.2596
65 1,2,4,5-Tetrachlorobenzene	216	5.604	5.604	(0.886)	1045175	5.00000	5.0990
71 Isosafrole 1	162	5.641	5.641	(0.892)	339576	5.00000	5.2641
M 188 Isosafrole, Total	162				2432791	5.00000	5.2827
72 Isosafrole 2	162	5.839	5.839	(0.923)	2093215	5.00000	5.2857
75 1,4-Naphthoquinone	158	6.015	6.015	(0.951)	823561	5.00000	6.4099
84 Pentachlorobenzene	250	6.459	6.459	(1.021)	940321	5.00000	5.0395
89 1-Naphthylamine	143	6.560	6.560	(1.037)	2760887	5.00000	5.4729
92 2-Naphthylamine	143	6.629	6.629	(1.048)	2475544	5.00000	5.0095
90 Zinophos	97	6.774	6.774	(1.071)	821176	5.00000	5.0947

Data File: \\qcanon05\dd\chem\MSS\[illegible]
Report Date: 08-Apr-2004 06:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
102 Tetraethyl dithiopyrophosphat	202	7.035	7.035	(0.933)	342251	5.00000	5.0430
103 Diallate 1	86	7.132	7.132	(0.945)	3105996	5.00000	5.2196
M 189 Diallate, Total	100				3804759	5.00000	5.1404
109 Diallate 2	86	7.201	7.201	(0.955)	698763	5.00000	5.2006
104 Phorate	121	7.142	7.142	(0.947)	628873	5.00000	5.1587
105 1,3,5-Trinitrobenzene	213	7.116	7.116	(0.943)	321248	5.00000	5.3348
108 Phenacetin	108	7.169	7.169	(0.950)	1883830	5.00000	5.4306
110 Dimethoate	87	7.281	7.281	(0.965)	1694117	5.00000	5.4860
112 Pentachloronitrobenzene	237	7.399	7.399	(0.981)	272447	5.00000	5.0060
113 4-Aminobiphenyl	169	7.404	7.404	(0.982)	2588494	5.00000	5.1641
114 Pronamide	173	7.468	7.468	(0.990)	1184338	5.00000	5.1777
117 Dinoseb	211	7.559	7.559	(1.002)	741583	5.00000	5.3601
118 Disulfoton	88	7.570	7.570	(1.004)	2234958	5.00000	5.2710
121 4-Nitroquinoline 1-oxide	190	8.211	8.211	(1.089)	439642	5.00000	5.6284
122 Methapyrilene	58	8.286	8.286	(1.098)	1606893	5.00000	5.0484
126 Aramite 1	185	8.868	8.868	(0.912)	262471	5.00000	5.2082
M 191 Aramite, Total	100				591801	5.00000	5.2158
127 Aramite 2	185	8.932	8.932	(0.919)	329330	5.00000	5.2670
128 p-Dimethylamino azobenzene	225	8.991	8.991	(0.925)	1026973	5.00000	5.2051
129 p-Chlorobenzilate	139	9.033	9.033	(0.929)	1450913	5.00000	5.2843
130 Famphur 1	218	9.226	9.226	(0.949)	140416	5.00000	6.3291
M 229 Famphur,Total	100				140416	5.00000	1.3462
230 Famphur 2	218	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	9.263	9.263	(0.953)	1385634	5.00000	5.3426
134 2-Acetylaminofluorene	181	9.477	9.477	(0.975)	2062008	5.00000	5.0925
143 7,12-dimethylbenz[a]anthracen	256	10.593	10.593	(0.973)	1896475	5.00000	5.6197
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.133	11.133	(1.023)	2286522	5.00000	5.3130
193 3-Methylphenol	108	4.167	4.167	(1.094)	1726255	5.00000	5.1973
69 1,4-Dinitrobenzene	168	6.079	6.079	(0.961)	468793	5.00000	4.9961
77 m-Dinitrobenzene	168	6.138	6.138	(0.970)	517068	5.00000	5.4427
88 2,3,4,6-Tetrachlorophenol	232	6.597	6.597	(1.043)	651319	5.00000	5.4868
97 5-Nitro-o-toluidine	152	6.800	6.800	(1.075)	875894	5.00000	5.2974
199 3-Picoline	93	2.714	2.714	(0.712)	2002299	5.00000	5.1744
200 N,N-Dimethylacetamide	44	2.767	2.767	(0.727)	1489673	5.00000	5.1401
225 Methyl parathion	109	7.869	7.869	(1.043)	1195482	5.00000	5.4284
226 Parathion	97	8.195	8.195	(1.086)	782429	5.00000	5.0444
227 Isodrin	66	8.414	8.414	(1.115)	479066	5.00000	5.1091
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

H - Operator selected an alternate compound hit.

Calibration History

Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Start Cal Date: 07-APR-2004 10:28
End Cal Date : 07-APR-2004 16:38
Last Cal Level: 6
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
07-APR-2004 11:12	pah	1SLL0407.D
Cal Level: 2 , Cal Amount: 0.25000		
07-APR-2004 14:28	2-ap9	1AL0407.D
07-APR-2004 11:34	3-827042	1SL0407.D
Cal Level: 3 , Cal Amount: 0.50000		
07-APR-2004 14:50	2-ap9	1AML0407.D
07-APR-2004 11:55	3-827042	1SML0407.D
Cal Level: 4 , Cal Amount: 1.00000		
07-APR-2004 15:12	2-ap9	1AM0407.D
07-APR-2004 12:17	3-827042	1SM0407.D
Cal Level: 5 , Cal Amount: 2.50000		
07-APR-2004 15:33	2-ap9	1AMM0407.D
07-APR-2004 12:39	3-827042	1SMM0407.D
Cal Level: 6 , Cal Amount: 5.00000		
07-APR-2004 10:50	2-ap9	1AMH0407.D
07-APR-2004 10:28	3-827042	1SMH0407.D
Cal Level: 7 , Cal Amount: 7.50000		
07-APR-2004 15:55	2-ap9	1AH0407.D
07-APR-2004 13:01	3-827042	1SH0407.D
Cal Level: 8 , Cal Amount: 10.00000		

07-APR-2004 13:23	3-827042	1SHH0407.D

Cal Level: 9 , Cal Amount: 12.50000		
07-APR-2004 16:38	2-ap9	1AHHH0407.D
07-APR-2004 13:45	19	1SHHH0407.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 6

08-APR-2004 08:34	2-ap9	1AMH0408.D
08-APR-2004 08:13	3-827042	1SMH0408.D

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp10.i
Lab File ID: 1SMH0408.D
Analysis Type:
Lab Sample ID: 16
Method: \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m

Injection Date: 08-APR-2004 08:13
Init. Cal. Date(s): 07-APR-2004 07-APR-2004
Init. Cal. Times: 10:28 16:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
198 1,4-Dioxane	0.69346	0.62846	0.62846	0.010	9.37364	50.00000	Averaged
9 Pyridine	1.84932	1.81407	1.81407	0.010	1.90596	50.00000	Averaged
10 N-Nitrosodimethylamine	1.36466	1.45135	1.45135	0.010	-6.35252	50.00000	Averaged
12 3-Chloropropionitrile	0.91012	0.86820	0.86820	0.010	4.60641	50.00000	Averaged
209 Benzaldehyde	1.35214	1.17790	1.17790	0.010	12.88635	50.00000	Averaged
21 Aniline	3.22274	3.05492	3.05492	0.010	5.20750	50.00000	Averaged
22 Phenol	2.56747	2.71876	2.71876	0.010	-5.89279	20.00000	Averaged
23 bis(2-Chloroethyl)ether	1.84651	1.85203	1.85203	0.010	-0.29915	50.00000	Averaged
24 2-Chlorophenol	1.43335	1.44275	1.44275	0.010	-0.65605	50.00000	Averaged
26 1,3-Dichlorobenzene	1.38490	1.36874	1.36874	0.010	1.16640	50.00000	Averaged
27 1,4-Dichlorobenzene	1.25486	1.29135	1.29135	0.010	-2.90792	20.00000	Averaged
28 1,2-Dichlorobenzene	1.34107	1.31548	1.31548	0.010	1.90801	50.00000	Averaged
29 Benzyl Alcohol	1.31448	1.40520	1.40520	0.010	-6.90181	50.00000	Averaged
30 2-Methylphenol	1.77826	1.82981	1.82981	0.010	-2.89875	50.00000	Averaged
31 bis(2-Chloroisopropyl)ether	2.18696	2.28300	2.28300	0.010	-4.39187	50.00000	Averaged
37 Acetophenone	2.79541	2.61571	2.61571	0.010	6.42822	50.00000	Averaged
32 N-Nitroso-di-n-propylamine	1.52427	1.56706	1.56706	0.050	-2.80709	50.00000	Averaged
192 4-Methylphenol	1.83709	1.99906	1.99906	0.010	-8.81693	50.00000	Averaged
34 Hexachloroethane	0.55969	0.55230	0.55230	0.010	1.32109	50.00000	Averaged
35 Nitrobenzene	0.48945	0.49994	0.49994	0.010	-2.14193	50.00000	Averaged
41 Isophorone	0.90407	0.92674	0.92674	0.010	-2.50669	50.00000	Averaged
42 2-Nitrophenol	0.19506	0.20407	0.20407	0.010	-4.61542	20.00000	Averaged
43 2,4-Dimethylphenol	0.43951	0.45430	0.45430	0.010	-3.36478	50.00000	Averaged
44 bis(2-Chloroethoxy)methane	0.52486	0.53853	0.53853	0.010	-2.60464	50.00000	Averaged
46 2,4-Toluenediamene	++++	0.01445	0.01445	0.010	++++	50.00000	Averaged <-
47 1,3,5-Trichlorobenzene	0.28134	0.28358	0.28358	0.010	-0.79748	50.00000	Averaged
48 2,4-Dichlorophenol	0.27653	0.28970	0.28970	0.010	-4.76535	20.00000	Averaged
49 Benzoic Acid	10.00000	8.96295	0.22262	0.010	10.37046	0.000e+000	Quadratic
50 1,2,4-Trichlorobenzene	0.27898	0.28084	0.28084	0.010	-0.66923	50.00000	Averaged
51 Naphthalene	1.02639	1.04090	1.04090	0.010	-1.41380	50.00000	Averaged
52 4-Chloroaniline	0.42797	0.44788	0.44788	0.010	-4.65343	50.00000	Averaged
56 Hexachlorobutadiene	0.14169	0.14194	0.14194	0.010	-0.17389	20.00000	Averaged
210 Caprolactam	0.13708	0.14354	0.14354	0.010	-4.70871	50.00000	Averaged
57 1,2,3-Trichlorobenzene	0.26222	0.26402	0.26402	0.010	-0.68786	50.00000	Averaged
59 4-Chloro-3-Methylphenol	0.38778	0.41267	0.41267	0.010	-6.41870	20.00000	Averaged
62 2-Methylnaphthalene	0.65986	0.66601	0.66601	0.010	-0.93196	50.00000	Averaged
63 1-Methylnaphthalene	0.63399	0.63561	0.63561	0.010	-0.25587	50.00000	Averaged
64 Hexachlorocyclopentadiene	0.26271	0.23609	0.23609	0.050	10.13287	50.00000	Averaged
66 2,4,6-Trichlorophenol	0.37475	0.37408	0.37408	0.010	0.17751	20.00000	Averaged
67 2,4,5-Trichlorophenol	0.36916	0.38581	0.38581	0.010	-4.51122	50.00000	Averaged
211 1,1'-Biphenyl	1.38279	1.38386	1.38386	0.010	-0.07784	50.00000	Averaged
68 1,2,3,5-Tetrachlorobenzene	0.43613	0.43080	0.43080	0.010	1.22345	50.00000	Averaged

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp10.i
Lab File ID: 1SMH0408.D
Analysis Type:
Lab Sample ID: 16
Injection Date: 08-APR-2004 08:13
Init. Cal. Date(s): 07-APR-2004 07-APR-2004
Init. Cal. Times: 10:28 16:38
Quant Type: ISTD
Method: \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 2-Chloronaphthalene	1.02489	1.03136	1.03136	0.010	-0.63126	50.00000	Averaged
73 2-Nitroaniline	0.45073	0.47433	0.47433	0.010	-5.23764	50.00000	Averaged
74 1,2,3,4-Tetrachlorobenzene	0.41561	0.41805	0.41805	0.010	-0.58526	50.00000	Averaged
76 Dimethylphthalate	1.20197	1.20759	1.20759	0.010	-0.46701	50.00000	Averaged
78 2,6-Dinitrotoluene	0.26735	0.28182	0.28182	0.010	-5.40994	50.00000	Averaged
79 Acenaphthylene	1.81914	1.83379	1.83379	0.010	-0.80523	50.00000	Averaged
80 1,2-Dinitrobenzene	0.13280	0.14381	0.14381	0.010	-8.29104	50.00000	Averaged
81 3-Nitroaniline	0.30543	0.31140	0.31140	0.010	-1.95444	50.00000	Averaged
82 Acenaphthene	1.12251	1.10471	1.10471	0.010	1.58569	20.00000	Averaged
83 2,4-Dinitrophenol	10.00000	9.32992	0.18515	0.050	6.70082	0.000e+000	Quadratic
85 4-Nitrophenol	5.00000	5.18763	0.20347	0.050	-3.75263	0.000e+000	Quadratic
86 Dibenzofuran	1.49671	1.48665	1.48665	0.010	0.67237	50.00000	Averaged
87 2,4-Dinitrotoluene	0.37520	0.39159	0.39159	0.010	-4.36614	50.00000	Averaged
91 2,3,5,6-Tetrachlorophenol	0.31641	0.31601	0.31601	0.010	0.12724	50.00000	Averaged
93 Diethylphthalate	1.22867	1.20039	1.20039	0.010	2.30097	50.00000	Averaged
94 Fluorene	1.22349	1.21243	1.21243	0.010	0.90372	50.00000	Averaged
95 4-Chlorophenyl-phenylether	0.56341	0.55003	0.55003	0.010	2.37396	50.00000	Averaged
96 4-Nitroaniline	0.32638	0.35451	0.35451	0.010	-8.61779	50.00000	Averaged
98 4,6-Dinitro-2-methylphenol	5.00000	4.63328	0.14310	0.010	7.33432	0.000e+000	Quadratic
99 N-Nitrosodiphenylamine	0.53943	0.53991	0.53991	0.010	-0.08899	20.00000	Averaged
100 1,2-Diphenylhydrazine	1.02501	1.04874	1.04874	0.010	-2.31553	50.00000	Averaged
106 4-Bromophenyl-phenylether	0.18439	0.18760	0.18760	0.010	-1.73835	50.00000	Averaged
107 Hexachlorobenzene	0.19462	0.19234	0.19234	0.010	1.17006	50.00000	Averaged
212 Atrazine	0.19534	0.19030	0.19030	0.010	2.58087	50.00000	Averaged
111 Pentachlorophenol	0.14473	0.14424	0.14424	0.010	0.33790	20.00000	Averaged
115 Phenanthrene	1.10926	1.08645	1.08645	0.010	2.05644	50.00000	Averaged
116 Anthracene	1.07471	1.08820	1.08820	0.010	-1.25546	50.00000	Averaged
119 Carbazole	0.95912	0.91817	0.91817	0.010	4.26889	50.00000	Averaged
120 Di-n-Butylphthalate	1.22709	1.24997	1.24997	0.010	-1.86420	50.00000	Averaged
123 Fluoranthene	1.10907	1.10022	1.10022	0.010	0.79803	20.00000	Averaged
124 Benzidine	5.00000	3.81902	0.39989	0.010	23.61956	0.000e+000	Quadratic
125 Pyrene	1.23063	1.27765	1.27765	0.010	-3.82086	50.00000	Averaged
131 Butylbenzylphthalate	0.56711	0.60932	0.60932	0.010	-7.44418	50.00000	Averaged
133 3,3'-Dimethoxybenzidine	0.22958	0.19979	0.19979	0.010	12.97478	50.00000	Averaged
135 3,3'-Dichlorobenzidine	0.41321	0.41254	0.41254	0.010	0.16089	50.00000	Averaged
136 Benzo(a)Anthracene	1.20530	1.17974	1.17974	0.010	2.12054	50.00000	Averaged
137 Chrysene	1.11855	1.17055	1.17055	0.010	-4.64961	50.00000	Averaged
138 4,4'-Methylene bis(o-chloro	0.21102	0.20626	0.20626	0.010	2.25623	50.00000	Averaged
139 bis(2-ethylhexyl)Phthalate	0.82379	0.85535	0.85535	0.010	-3.83189	50.00000	Averaged
140 Di-n-octylphthalate	1.77713	1.88938	1.88938	0.010	-6.31624	20.00000	Averaged
141 Benzo(b)fluoranthene	1.65393	1.89408	1.89408	0.010	-14.51984	50.00000	Averaged
142 Benzo(k)fluoranthene	1.59825	1.36932	1.36932	0.010	14.32387	50.00000	Averaged

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

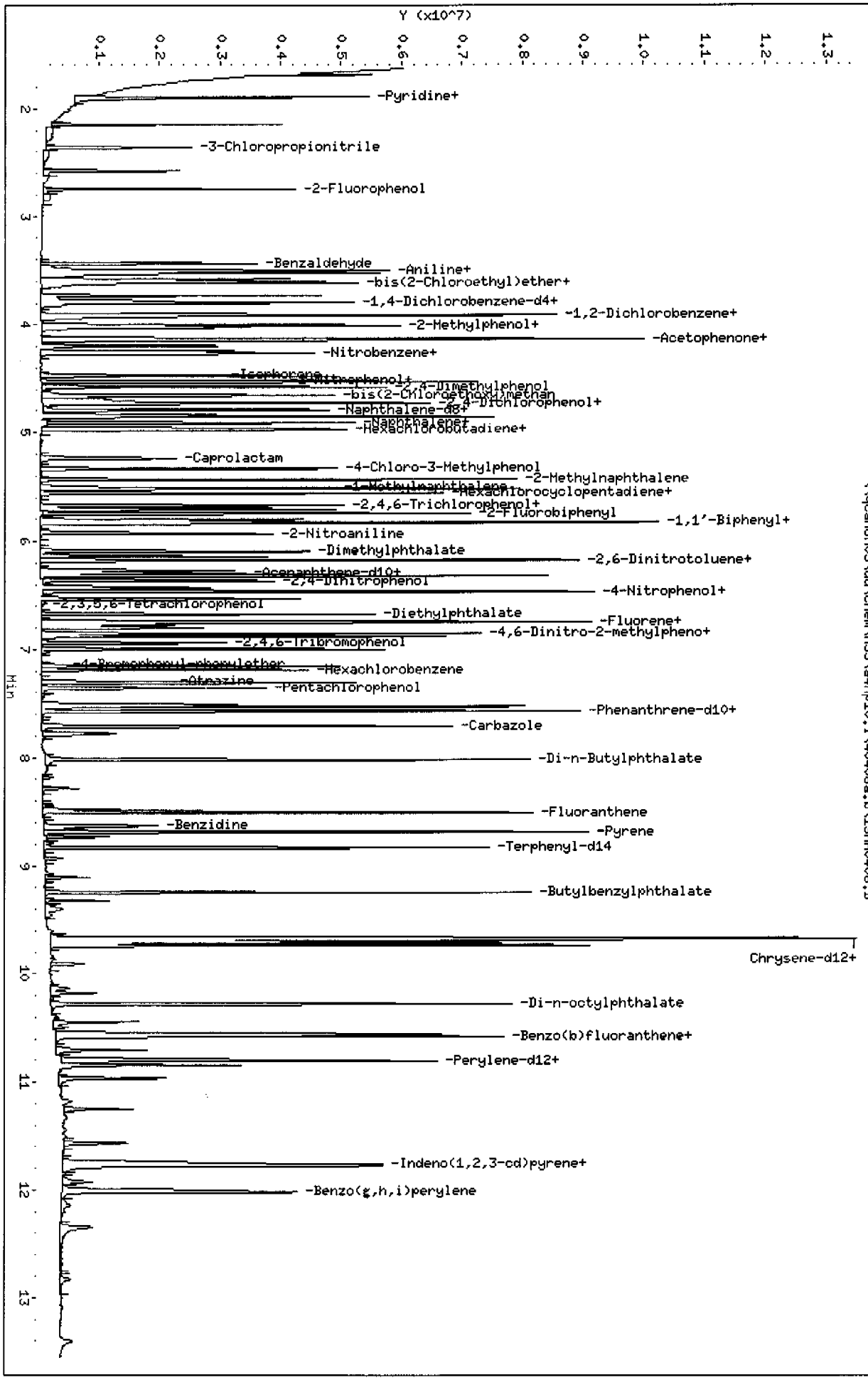
Instrument ID: a4hp10.i
Lab File ID: 1SMH0408.D
Analysis Type:
Lab Sample ID: 16
Method: \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m

Injection Date: 08-APR-2004 08:13
Init. Cal. Date(s): 07-APR-2004 07-APR-2004
Init. Cal. Times: 10:28 16:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
146 Benzo(a)pyrene	1.39918	1.42719	1.42719	0.010	-2.00172	20.00000	Averaged
149 Indeno(1,2,3-cd)pyrene	1.66194	1.67313	1.67313	0.010	-0.67342	50.00000	Averaged
150 Dibenz(a,h)anthracene	1.39222	1.39841	1.39841	0.010	-0.44469	50.00000	Averaged
151 Benzo(g,h,i)perylene	1.39192	1.41459	1.41459	0.010	-1.62814	50.00000	Averaged
$ 154 Nitrobenzene-d5	0.48403	0.48930	0.48930	0.010	-1.09019	50.00000	Averaged
$ 155 2-Fluorobiphenyl	1.24062	1.23367	1.23367	0.010	0.56035	50.00000	Averaged
$ 156 Terphenyl-d14	0.79987	0.82496	0.82496	0.010	-3.13672	50.00000	Averaged
$ 157 Phenol-d5	2.31215	2.31189	2.31189	0.010	0.01149	50.00000	Averaged
$ 158 2-Fluorophenol	1.60963	1.50285	1.50285	0.010	6.63373	50.00000	Averaged
$ 159 2,4,6-Tribromophenol	0.16000	0.16099	0.16099	0.010	-0.62015	50.00000	Averaged
$ 186 2-Chlorophenol-d4	1.42681	1.44921	1.44921	0.010	-1.57003	50.00000	Averaged
$ 187 1,2-Dichlorobenzene-d4	0.80170	0.79982	0.79982	0.010	0.23456	50.00000	Averaged
M 195 Cresols, total	3.61535	3.82887	3.82887	0.010	-5.90599	50.00000	Averaged
101 Diphenylamine	0.53943	0.53991	0.53991	0.010	-0.08899	50.00000	Averaged

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\1SHH0408.D
Date : 08-APR-2004 08:13
Client ID:
Sample Info: 16,40408a,b,8270p,3-827042,sub,2
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\1SMH0408.D
Lab Smp Id: 16
Inj Date : 08-APR-2004 08:13
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 16,40408a.b,8270p,3-827042.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 08-Apr-2004 08:48 tapsvc Quant Type: ISTD
Cal Date : 07-APR-2004 10:50 Cal File: 1AMH0407.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.777	3.777	(1.000)	238730	2.00000	
* 2 Naphthalene-d8	136	4.835	4.835	(1.000)	1062340	2.00000	
* 3 Acenaphthene-d10	164	6.288	6.288	(1.000)	604597	2.00000	
* 4 Phenanthrene-d10	188	7.506	7.506	(1.000)	1019265	2.00000	
* 5 Chrysene-d12	240	9.691	9.691	(1.000)	914914	2.00000	
* 6 Perylene-d12	264	10.845	10.845	(1.000)	709577	2.00000	
198 1,4-Dioxane	88	1.688	1.688	(0.447)	375078	5.00000	4.5313(M)
9 Pyridine	79	1.891	1.891	(0.501)	1082682	5.00000	4.9047
10 N-Nitrosodimethylamine	74	1.907	1.907	(0.505)	866202	5.00000	5.3176
12 3-Chloropropionitrile	54	2.361	2.361	(0.625)	518161	5.00000	4.7697
209 Benzaldehyde	77	3.435	3.435	(0.909)	702999	5.00000	4.3557
21 Aniline	93	3.526	3.526	(0.934)	1823250	5.00000	4.7396
22 Phenol	94	3.504	3.504	(0.928)	1622626	5.00000	5.2946
23 bis(2-Chloroethyl)ether	93	3.579	3.579	(0.948)	1105340	5.00000	5.0150
24 2-Chlorophenol	128	3.611	3.611	(0.956)	861069	5.00000	5.0328
26 1,3-Dichlorobenzene	146	3.729	3.729	(0.987)	816901	5.00000	4.9417
27 1,4-Dichlorobenzene	146	3.793	3.793	(1.004)	770708	5.00000	5.1454
28 1,2-Dichlorobenzene	146	3.916	3.916	(1.037)	785112	5.00000	4.9046
29 Benzyl Alcohol	108	3.910	3.910	(1.035)	838660	5.00000	5.3451
30 2-Methylphenol	108	4.001	4.001	(1.059)	1092075	5.00000	5.1449
31 bis(2-Chloroisopropyl)ether	45	4.023	4.023	(1.065)	1362554	5.00000	5.2196
37 Acetophenone	105	4.124	4.124	(1.092)	1561123	5.00000	4.6786
32 N-Nitroso-di-n-propylamine	70	4.140	4.140	(1.096)	935262	5.00000	5.1404
192 4-Methylphenol	108	4.135	4.135	(1.095)	1193089	5.00000	5.4408
34 Hexachloroethane	117	4.188	4.188	(1.109)	329627	5.00000	4.9339
35 Nitrobenzene	77	4.263	4.263	(0.882)	1327755	5.00000	5.1071
41 Isophorone	82	4.471	4.471	(0.925)	2461275	5.00000	5.1253
42 2-Nitrophenol	139	4.525	4.525	(0.936)	541972	5.00000	5.2308
43 2,4-Dimethylphenol	107	4.573	4.573	(0.946)	1206541	5.00000	5.1682
44 bis(2-Chloroethoxy)methane	93	4.658	4.658	(0.964)	1430249	5.00000	5.1302
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	4.530	4.530	(0.937)	753152	5.00000	5.0399
48 2,4-Dichlorophenol	162	4.728	4.728	(0.978)	769413	5.00000	5.2383

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.733	4.733	(0.979)	1182483	10.0000	8.9630
50 1,2,4-Trichlorobenzene	180	4.792	4.792	(0.991)	745882	5.00000	5.0335
51 Naphthalene	128	4.856	4.856	(1.004)	2764464	5.00000	5.0707
52 4-Chloroaniline	127	4.909	4.909	(1.015)	1189515	5.00000	5.2327
56 Hexachlorobutadiene	225	4.963	4.963	(1.027)	376960	5.00000	5.0087
210 Caprolactam	113	5.241	5.241	(1.084)	381215	5.00000	5.2354
57 1,2,3-Trichlorobenzene	180	4.973	4.973	(1.029)	701194	5.00000	5.0344
59 4-Chloro-3-Methylphenol	107	5.331	5.331	(1.103)	1095984	5.00000	5.3209
62 2-Methylnaphthalene	142	5.433	5.433	(1.124)	1768812	5.00000	5.0466
63 1-Methylnaphthalene	142	5.513	5.513	(1.140)	1688083	5.00000	5.0128
64 Hexachlorocyclopentadiene	237	5.561	5.561	(0.884)	356852	5.00000	4.4934
66 2,4,6-Trichlorophenol	196	5.673	5.673	(0.902)	565420	5.00000	4.9911
67 2,4,5-Trichlorophenol	196	5.705	5.705	(0.907)	583155	5.00000	5.2256
211 1,1'-Biphenyl	154	5.823	5.823	(0.926)	2091699	5.00000	5.0039
68 1,2,3,5-Tetrachlorobenzene	216	5.556	5.556	(0.884)	651149	5.00000	4.9388
70 2-Chloronaphthalene	162	5.834	5.834	(0.928)	1558898	5.00000	5.0316
73 2-Nitroaniline	65	5.930	5.930	(0.943)	716950	5.00000	5.2619
74 1,2,3,4-Tetrachlorobenzene	216	5.802	5.802	(0.923)	631875	5.00000	5.0293
76 Dimethylphthalate	163	6.095	6.095	(0.969)	1825260	5.00000	5.0234
78 2,6-Dinitrotoluene	165	6.138	6.138	(0.976)	425962	5.00000	5.2705
79 Acenaphthylene	152	6.175	6.175	(0.982)	2771755	5.00000	5.0403
80 1,2-Dinitrobenzene	168	6.175	6.175	(0.982)	217372	5.00000	5.4146
81 3-Nitroaniline	138	6.272	6.272	(0.997)	470673	5.00000	5.0977
82 Acenaphthene	153	6.320	6.320	(1.005)	1669768	5.00000	4.9207
83 2,4-Dinitrophenol	184	6.362	6.362	(1.012)	559701	10.0000	9.3299
85 4-Nitrophenol	109	6.427	6.427	(1.022)	307543	5.00000	5.1876
86 Dibenzofuran	168	6.464	6.464	(1.028)	2247060	5.00000	4.9664
87 2,4-Dinitrotoluene	165	6.469	6.469	(1.029)	591880	5.00000	5.2183
91 2,3,5,6-Tetrachlorophenol	232	6.533	6.533	(1.039)	477646	5.00000	4.9936
93 Diethylphthalate	149	6.678	6.678	(1.062)	1814388	5.00000	4.8850
94 Fluorene	166	6.742	6.742	(1.072)	1832579	5.00000	4.9548
95 4-Chlorophenyl-phenylether	204	6.752	6.752	(1.074)	831371	5.00000	4.8813
96 4-Nitroaniline	138	6.774	6.774	(1.077)	535838	5.00000	5.4309
98 4,6-Dinitro-2-methylphenol	198	6.801	6.801	(0.906)	364654	5.00000	4.6333
99 N-Nitrosodiphenylamine	169	6.854	6.854	(0.913)	1375779	5.00000	5.0044
100 1,2-Diphenylhydrazine	77	6.881	6.881	(0.917)	2672368	5.00000	5.1158
106 4-Bromophenyl-phenylether	248	7.153	7.153	(0.953)	478031	5.00000	5.0869
107 Hexachlorobenzene	284	7.190	7.190	(0.958)	490120	5.00000	4.9415
212 Atrazine	200	7.308	7.308	(0.974)	484916	5.00000	4.8710
111 Pentachlorophenol	266	7.356	7.356	(0.980)	367548	5.00000	4.9831
115 Phenanthrene	178	7.532	7.532	(1.004)	2768452	5.00000	4.8972
116 Anthracene	178	7.570	7.570	(1.009)	2772905	5.00000	5.0628
119 Carbazole	167	7.709	7.709	(1.027)	2339652	5.00000	4.7866
120 Di-n-Butylphthalate	149	8.019	8.019	(1.068)	3185118	5.00000	5.0932
123 Fluoranthene	202	8.505	8.505	(1.133)	2803533	5.00000	4.9601
124 Benzidine	184	8.628	8.628	(0.890)	914660	5.00000	3.8190
125 Pyrene	202	8.686	8.686	(0.896)	2922345	5.00000	5.1910
131 Butylbenzylphthalate	149	9.247	9.247	(0.954)	1393696	5.00000	5.3722
133 3,3'-Dimethoxybenzidine	244	9.664	9.664	(0.997)	456988	5.00000	4.3513
135 3,3'-Dichlorobenzidine	252	9.669	9.669	(0.998)	943600	5.00000	4.9920
136 Benzo(a)Anthracene	228	9.680	9.680	(0.999)	2698404	5.00000	4.8940
137 Chrysene	228	9.712	9.712	(1.002)	2677389	5.00000	5.2325
138 4,4'-Methylene bis(o-chloroan	231	9.675	9.675	(0.998)	471764	5.00000	4.8872
139 bis(2-ethylhexyl)Phthalate	149	9.739	9.739	(1.005)	1956433	5.00000	5.1916

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
140 Di-n-octylphthalate	149	10.273	10.273	(0.947)	3351649	5.00000	5.3158
141 Benzo(b)fluoranthene	252	10.556	10.556	(0.973)	3359982	5.00000	5.7260
142 Benzo(k)fluoranthene	252	10.577	10.577	(0.975)	2429093	5.00000	4.2838
146 Benzo(a)pyrene	252	10.802	10.802	(0.996)	2531756	5.00000	5.1001
149 Indeno(1,2,3-cd)pyrene	276	11.758	11.758	(1.084)	2968031	5.00000	5.0337
150 Dibenz(a,h)anthracene	278	11.774	11.774	(1.086)	2480692	5.00000	5.0222
151 Benzo(g,h,i)perylene	276	12.020	12.020	(1.108)	2509394	5.00000	5.0814
$ 154 Nitrobenzene-d5	82	4.247	4.247	(0.878)	1299514	5.00000	5.0545
$ 155 2-Fluorobiphenyl	172	5.743	5.743	(0.913)	1864685	5.00000	4.9720
$ 156 Terphenyl-d14	244	8.831	8.831	(0.911)	1886911	5.00000	5.1568
$ 157 Phenol-d5	99	3.494	3.494	(0.925)	1379791	5.00000	4.9994
$ 158 2-Fluorophenol	112	2.746	2.746	(0.727)	896940	5.00000	4.6683
$ 159 2,4,6-Tribromophenol	330	6.939	6.939	(1.104)	243338	5.00000	5.0310
$ 186 2-Chlorophenol-d4	132	3.595	3.595	(0.952)	864926	5.00000	5.0785
$ 187 1,2-Dichlorobenzene-d4	152	3.905	3.905	(1.034)	477355	5.00000	4.9883
M 195 Cresols, total	100				2285164	5.00000	10.586
101 Diphenylamine	169	6.854	6.854	(0.913)	1375779	5.00000	5.0044

QC Flag Legend

M - Compound response manually integrated.

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a4hp10.i
Lab File ID: 1AMH0408.D
Analysis Type:
Lab Sample ID: 16
Method: \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m

Injection Date: 08-APR-2004 08:34
Init. Cal. Date(s): 07-APR-2004 07-APR-2004
Init. Cal. Times: 10:28 16:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 N-Nitrosomorpholine	1.02364	0.98531	0.98531	0.010	3.74481	50.00000	Averaged
8 Ethyl methanesulfonate	1.68404	1.63445	1.63445	0.010	2.94462	50.00000	Averaged
14 2-Picoline	2.38323	2.34797	2.34797	0.010	1.47973	50.00000	Averaged
15 N-Nitrosomethylethylamine	1.15087	1.10169	1.10169	0.010	4.27259	50.00000	Averaged
16 Methyl methanesulfonate	1.04239	1.03361	1.03361	0.010	0.84193	50.00000	Averaged
18 1,3-Dichloro-2-propanol	2.51843	2.46907	2.46907	0.010	1.96000	50.00000	Averaged
19 N-Nitrosodiethylamine	1.04033	1.02659	1.02659	0.010	1.32102	50.00000	Averaged
25 Pentachloroethane	0.48366	0.47800	0.47800	0.010	1.16874	50.00000	Averaged
36 N-Nitrosopyrrolidine	1.02936	1.09014	1.09014	0.010	-5.90395	50.00000	Averaged
37 Acetophenone	2.79541	2.70839	2.70839	0.010	3.11275	50.00000	Averaged
39 o-Toluidine	3.44632	3.37592	3.37592	0.010	2.04257	50.00000	Averaged
40 N-Nitrosopiperidine	0.21492	0.21514	0.21514	0.010	-0.09830	50.00000	Averaged
45 O,O,O-Triethyl phosphorothi	0.16624	0.16594	0.16594	0.010	0.18053	50.00000	Averaged
53 a,a-Dimethyl-phenethylamine	0.99394	1.01223	1.01223	0.010	-1.83992	50.00000	Averaged
54 2,6-Dichlorophenol	0.26088	0.26651	0.26651	0.010	-2.15745	50.00000	Averaged
55 Hexachloropropene	0.16761	0.16662	0.16662	0.010	0.58671	50.00000	Averaged
58 N-Nitrosodi-n-butylamine	0.33819	0.34425	0.34425	0.010	-1.79209	50.00000	Averaged
60 p-Phenylene diamine	5.00000	4.53576	0.43820	0.010	9.28483	0.000e+000	Quadratic
61 Safrole	0.26880	0.27361	0.27361	0.010	-1.78839	50.00000	Averaged
65 1,2,4,5-Tetrachlorobenzene	0.49629	0.49513	0.49513	0.010	0.23542	50.00000	Averaged
71 Isosafrole 1	0.15619	0.15343	0.15343	0.010	1.76491	50.00000	Averaged
M 188 Isosafrole, Total	1.11503	1.15408	1.15408	0.010	-3.50274	50.00000	Averaged
72 Isosafrole 2	0.95884	1.00065	1.00065	0.010	-4.36080	50.00000	Averaged
75 1,4-Naphthoquinone	5.00000	6.50347	0.40157	0.010	-30.06937	0.000e+000	Quadratic
84 Pentachlorobenzene	0.45178	0.44702	0.44702	0.010	1.05372	50.00000	Averaged
89 1-Naphthylamine	1.22143	1.28031	1.28031	0.010	-4.82062	50.00000	Averaged
92 2-Naphthylamine	1.19650	1.18506	1.18506	0.010	0.95578	50.00000	Averaged
90 Zinophos	0.39026	0.38956	0.38956	0.010	0.17714	50.00000	Averaged
102 Tetraethyl dithiopyrophosph	0.09740	0.09951	0.09951	0.010	-2.16530	50.00000	Averaged
103 Diallate 1	0.85402	0.84593	0.84593	0.010	0.94757	50.00000	Averaged
M 189 Diallate, Total	4.35754	4.24833	4.24833	0.010	2.50634	50.00000	Averaged
109 Diallate 2	0.19283	0.19502	0.19502	0.010	-1.13493	50.00000	Averaged
104 Phorate	0.17496	0.17357	0.17357	0.010	0.79291	50.00000	Averaged
105 1,3,5-Trinitrobenzene	5.00000	4.94114	0.08572	0.010	1.17713	0.000e+000	Quadratic
108 Phenacetin	0.49785	0.52351	0.52351	0.010	-5.15223	50.00000	Averaged
110 Dimethoate	0.44319	0.49443	0.49443	0.010	-11.56091	50.00000	Averaged
112 Pentachloronitrobenzene	0.07811	0.08133	0.08133	0.010	-4.12060	50.00000	Averaged
113 4-Aminobiphenyl	0.71938	0.73495	0.73495	0.010	-2.16488	50.00000	Averaged
114 Pronamide	0.32828	0.34105	0.34105	0.010	-3.88896	50.00000	Averaged
117 Dinoseb	5.00000	4.77158	0.18873	0.010	4.56840	0.000e+000	Quadratic
118 Disulfoton	0.60853	0.63153	0.63153	0.010	-3.77960	50.00000	Averaged
121 4-Nitroquinoline 1-oxide	5.00000	4.49605	0.10084	0.010	10.07906	0.000e+000	Quadratic

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

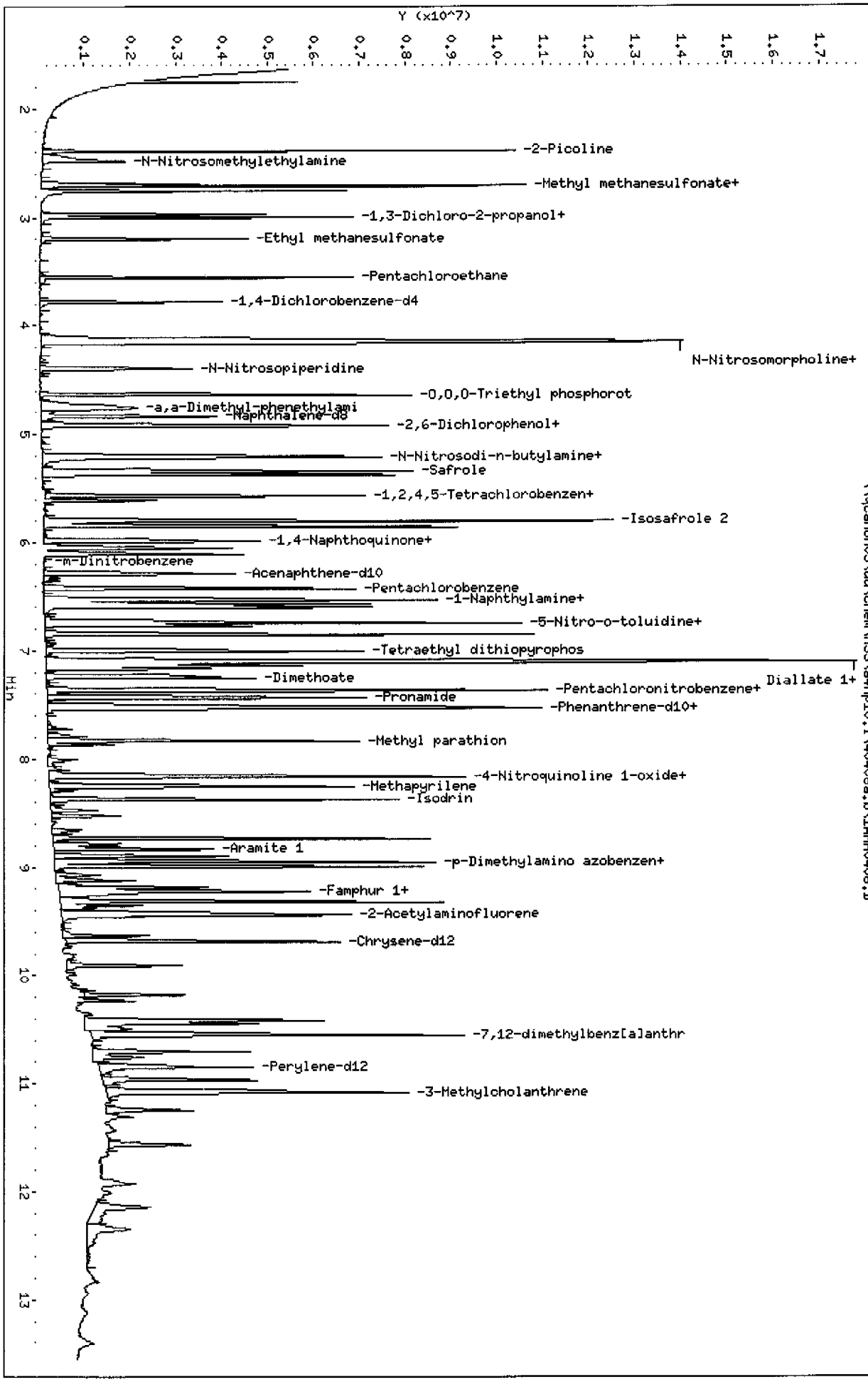
Instrument ID: a4hp10.i
Lab File ID: 1AMH0408.D
Analysis Type:
Lab Sample ID: 16
Method: \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m

Injection Date: 08-APR-2004 08:34
Init. Cal. Date(s): 07-APR-2004 07-APR-2004
Init. Cal. Times: 10:28 16:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF5	CCAL RRF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
122 Methapyrilene	5.00000	7.67584	0.60481	0.010	-53.51673	0.000e+000	Quadratic	
126 Aramite 1	0.07042	0.07556	0.07556	0.010	-7.30211	50.00000	Averaged	
M 191 Aramite, Total	0.66798	0.69878	0.69878	0.010	-4.61070	50.00000	Averaged	
127 Aramite 2	0.08737	0.09401	0.09401	0.010	-7.60018	50.00000	Averaged	
128 p-Dimethylamino azobenzene	0.27570	0.28893	0.28893	0.010	-4.80097	50.00000	Averaged	
129 p-Chlorobenzilate	0.38367	0.40669	0.40669	0.010	-5.99884	50.00000	Averaged	
130 Famphur 1	5.00000	++++	0.27388	0.010	++++	0.000e+000	Quadratic	<-
M 229 Famphur,Total	0.61406	1.12861	1.12861	0.010	-83.79431	50.00000	Averaged	<-
230 Famphur 2	++++	0.01003	0.01003	0.010	++++	50.00000	Averaged	<-
132 3,3'-Dimethylbenzidine	5.00000	8.43272	0.59227	0.010	-68.65439	0.000e+000	Quadratic	
134 2-Acetylaminofluorene	0.56580	0.59847	0.59847	0.010	-5.77496	50.00000	Averaged	
143 7,12-dimethylbenz[a]anthrac	0.68778	0.74215	0.74215	0.010	-7.90487	50.00000	Averaged	
144 Hexachlorophene	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
145 Hexachlorophene product	++++	++++	0.00000	0.010	++++	50.00000	Averaged	<-
148 3-Methylcholanthrene	0.87710	0.87426	0.87426	0.010	0.32416	50.00000	Averaged	
193 3-Methylphenol	1.95539	2.10748	2.10748	0.010	-7.77773	50.00000	Averaged	
69 1,4-Dinitrobenzene	5.00000	4.99507	0.22696	0.010	0.09857	0.000e+000	Quadratic	
77 m-Dinitrobenzene	0.23002	0.25224	0.25224	0.010	-9.66079	50.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.28741	0.29462	0.29462	0.010	-2.50769	50.00000	Averaged	
97 5-Nitro-o-toluidine	0.40034	0.42789	0.42789	0.010	-6.88214	50.00000	Averaged	
199 3-Picoline	2.27810	2.33249	2.33249	0.010	-2.38747	50.00000	Averaged	
200 N,N-Dimethylacetamide	1.70620	1.61215	1.61215	0.010	5.51202	50.00000	Averaged	
225 Methyl parathion	0.31606	0.35730	0.35730	0.010	-13.04553	50.00000	Averaged	
226 Parathion	0.22261	0.22788	0.22788	0.010	-2.36720	50.00000	Averaged	
227 Isodrin	0.13457	0.13582	0.13582	0.010	-0.92931	50.00000	Averaged	
228 Kepone	++++	0.05645	0.05645	0.010	++++	50.00000	Averaged	<-

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\1AHH0408.D
Date : 08-APR-2004 08:34
Client ID:
Sample Info: 16,40408a.b,8270p,2-ap9,sub,2
Column phase: db5,625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



Page 1

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\1AMH0408.D
Lab Smp Id: 16
Inj Date : 08-APR-2004 08:34
Operator : 046900 Inst ID: a4hp10.i
Smp Info : 16,40408a.b,8270p,2-ap9.sub,2
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 08-Apr-2004 09:05 hulat Quant Type: ISTD
Cal Date : 07-APR-2004 10:50 Cal File: 1AMH0407.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.782	3.782	(1.000)	432160	2.00000	
* 2 Naphthalene-d8	136	4.835	4.835	(1.000)	1906708	2.00000	
* 3 Acenaphthene-d10	164	6.293	6.293	(1.000)	1062646	2.00000	
* 4 Phenanthrene-d10	188	7.511	7.511	(1.000)	1763725	2.00000	
* 5 Chrysene-d12	240	9.685	9.685	(1.000)	1780838	2.00000	
* 6 Perylene-d12	264	10.845	10.845	(1.000)	1271805	2.00000	
7 N-Nitrosomorpholine	56	4.156	4.156	(1.099)	1064530	5.00000	4.8128
8 Ethyl methanesulfonate	79	3.200	3.200	(0.846)	1765857	5.00000	4.8528
14 2-Picoline	93	2.382	2.382	(0.630)	2536743	5.00000	4.9260
15 N-Nitrosomethylethylamine	88	2.479	2.479	(0.655)	1190271	5.00000	4.7864
16 Methyl methanesulfonate	80	2.687	2.687	(0.710)	1116712	5.00000	4.9579
18 1,3-Dichloro-2-propanol	79	2.997	2.997	(0.792)	2667585	5.00000	4.9020
19 N-Nitrosodiethylamine	102	2.970	2.970	(0.785)	1109129	5.00000	4.9339
25 Pentachloroethane	167	3.552	3.552	(0.939)	516434	5.00000	4.9416
36 N-Nitrosopyrrolidine	100	4.129	4.129	(1.092)	1177783	5.00000	5.2952(M)
37 Acetophenone	105	4.135	4.135	(1.093)	2926149	5.00000	4.8444
39 o-Toluidine	106	4.161	4.161	(1.100)	3647346	5.00000	4.8979
40 N-Nitrosopiperidine	114	4.402	4.402	(0.911)	1025500	5.00000	5.0049
45 O,O,O-Triethyl phosphorothioa	198	4.637	4.637	(0.959)	791000	5.00000	4.9910
53 a,a-Dimethyl-phenethylamine	58	4.760	4.760	(0.985)	4825046	5.00000	5.0920
54 2,6-Dichlorophenol	162	4.920	4.920	(1.018)	1270398	5.00000	5.1079
55 Hexachloropropene	213	4.925	4.925	(1.019)	794249	5.00000	4.9707
58 N-Nitrosodi-n-butylamine	84	5.209	5.209	(1.077)	1640960	5.00000	5.0896
60 p-Phenylene diamine	108	5.225	5.225	(1.081)	2088775	5.00000	4.5358(M)
61 Safrole	162	5.374	5.374	(1.112)	1304218	5.00000	5.0894
65 1,2,4,5-Tetrachlorobenzene	216	5.572	5.572	(0.885)	1315360	5.00000	4.9882
71 Isosafrole 1	162	5.609	5.609	(0.891)	407609	5.00000	4.9118
M 188 Isosafrole, Total	162				3065955	5.00000	5.1751
72 Isosafrole 2	162	5.807	5.807	(0.923)	2658346	5.00000	5.2180
75 1,4-Naphthoquinone	158	5.988	5.988	(0.952)	1066804	5.00000	6.5035
84 Pentachlorobenzene	250	6.427	6.427	(1.021)	1187553	5.00000	4.9473
89 1-Naphthylamine	143	6.533	6.533	(1.038)	3401284	5.00000	5.2410
92 2-Naphthylamine	143	6.598	6.598	(1.048)	3148260	5.00000	4.9522

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
90 Zinophos	97	6.742	6.742	(1.071)	1034923	5.00000	4.9911(M)
102 Tetraethyl dithiopyrophosphat	202	7.004	7.004	(0.932)	438771	5.00000	5.1083
103 Diallate 1	86	7.100	7.100	(0.945)	3729977	5.00000	4.9526
M 189 Diallate, Total	100				4589894	5.00000	4.8747
109 Diallate 2	86	7.169	7.169	(0.954)	859917	5.00000	5.0567
104 Phorate	121	7.110	7.110	(0.947)	765316	5.00000	4.9604(M)
105 1,3,5-Trinitrobenzene	213	7.100	7.100	(0.945)	377968	5.00000	4.9411
108 Phenacetin	108	7.137	7.137	(0.950)	2308299	5.00000	5.2576(M)
110 Dimethoate	87	7.255	7.255	(0.966)	2180099	5.00000	5.5780(M)
112 Pentachloronitrobenzene	237	7.367	7.367	(0.981)	358599	5.00000	5.2060
113 4-Aminobiphenyl	169	7.372	7.372	(0.982)	3240636	5.00000	5.1082
114 Pronamide	173	7.436	7.436	(0.990)	1503788	5.00000	5.1944
117 Dinoseb	211	7.522	7.522	(1.001)	832149	5.00000	4.7716
118 Disulfoton	88	7.532	7.532	(1.003)	2784628	5.00000	5.1890
121 4-Nitroquinoline 1-oxide	190	8.173	8.173	(1.088)	444617	5.00000	4.4960
122 Methapyrilene	58	8.254	8.254	(1.099)	2666800	5.00000	7.6758
126 Aramite 1	185	8.831	8.831	(0.912)	336412	5.00000	5.3651
M 191 Aramite, Total	100				754958	5.00000	5.2305
127 Aramite 2	185	8.900	8.900	(0.919)	418546	5.00000	5.3800(M)
128 p-Dimethylamino azobenzene	225	8.953	8.953	(0.924)	1286353	5.00000	5.2400
129 p-Chlorobenzilate	139	8.996	8.996	(0.929)	1810602	5.00000	5.2999
M 229 Famphur,Total	100				1219353	5.00000	9.1897
230 Famphur 2	218	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	9.226	9.226	(0.953)	2636860	5.00000	8.4327
134 2-Acetylaminofluorene	181	9.440	9.440	(0.975)	2664452	5.00000	5.2887
143 7,12-dimethylbenz[a]anthracen	256	10.551	10.551	(0.973)	2359666	5.00000	5.3952
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
148 3-Methylcholanthrene	268	11.085	11.085	(1.022)	2779723	5.00000	4.9838
193 3-Methylphenol	108	4.145	4.145	(1.096)	2276917	5.00000	5.3889
69 1,4-Dinitrobenzene	168	6.053	6.053	(0.962)	602947	5.00000	4.9951
77 m-Dinitrobenzene	168	6.111	6.111	(0.971)	670109	5.00000	5.4830
88 2,3,4,6-Tetrachlorophenol	232	6.571	6.571	(1.044)	782690	5.00000	5.1254
97 5-Nitro-o-toluidine	152	6.768	6.768	(1.076)	1136733	5.00000	5.3441
199 3-Picoline	93	2.703	2.703	(0.715)	2520023	5.00000	5.1194
200 N,N-Dimethylacetamide	44	2.751	2.751	(0.727)	1741771	5.00000	4.7244
225 Methyl parathion	109	7.837	7.837	(1.043)	1575430	5.00000	5.6523
226 Parathion	97	8.163	8.163	(1.087)	1004792	5.00000	5.1184
227 Isodrin	66	8.376	8.376	(1.115)	598887	5.00000	5.0465
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File Name: [illegible]

Inj. Date and Time: 08-APR-2004 08:34

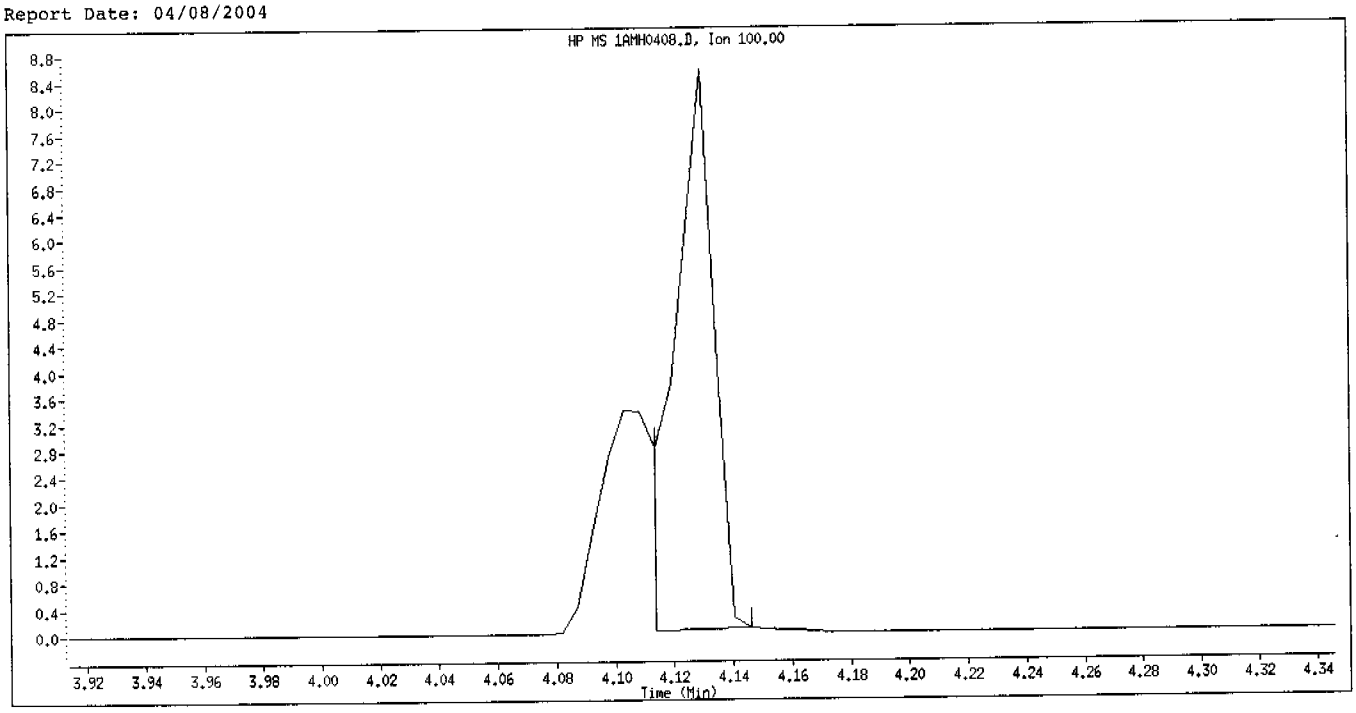
Instrument ID: a4hpl0.i

Client ID:

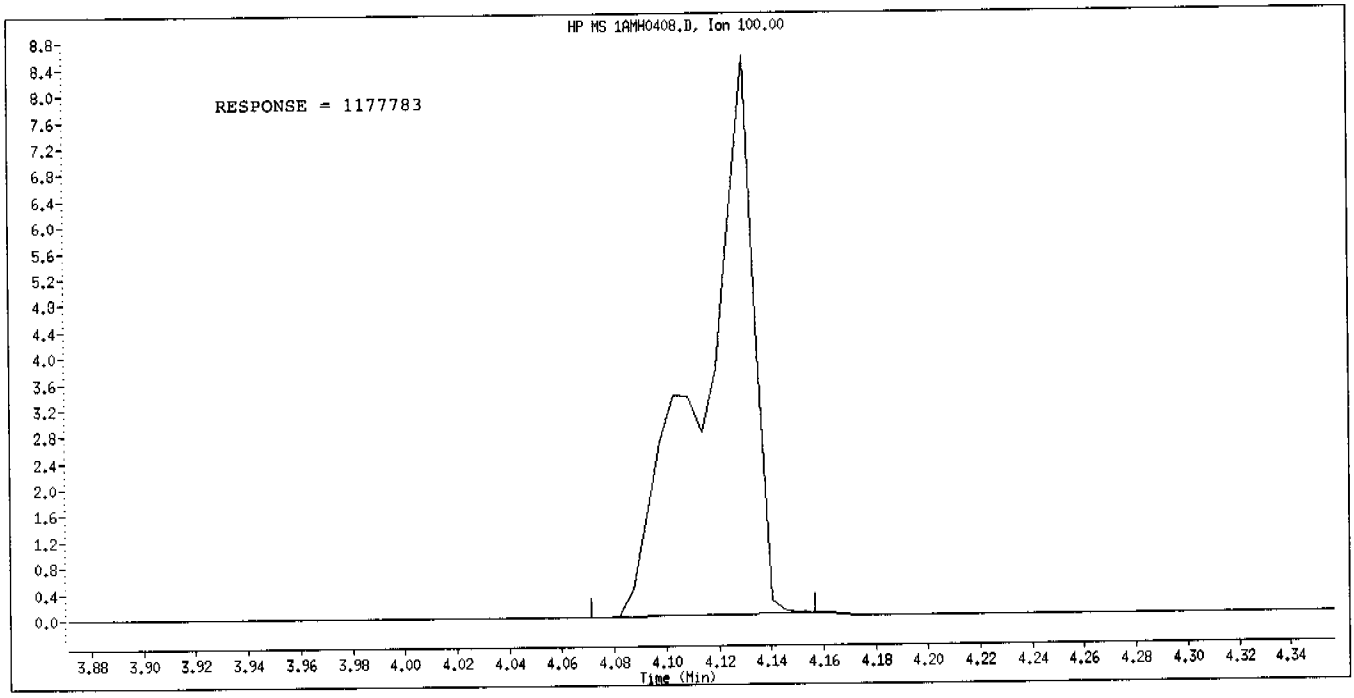
Compound Name: N-Nitrosopyrrolidine

CAS #: 930-55-2

Report Date: 04/08/2004



Original Integration



Manual Integration

Manually Integrated By: hulat

Manual Integration Reason: Poor Chromatography

Data File Name: [illegible]

Inj. Date and Time: 08-APR-2004 08:34

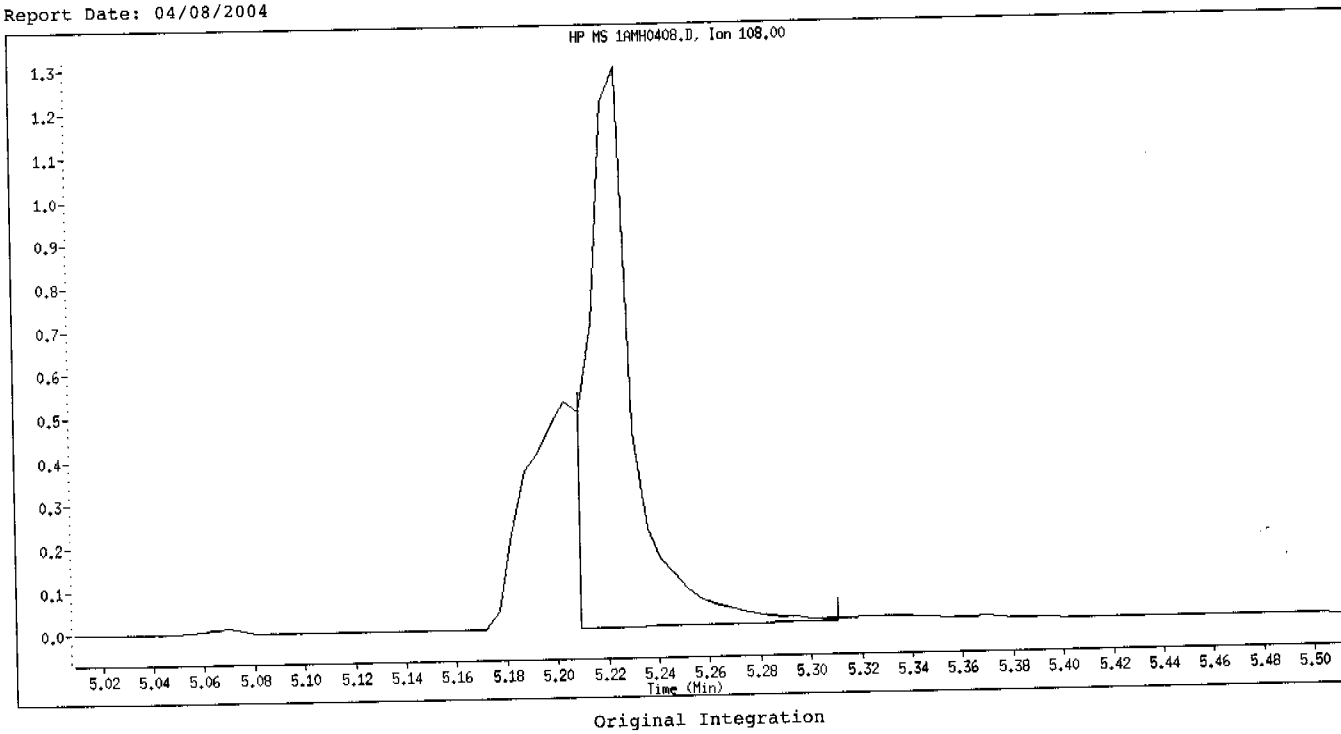
Instrument ID: a4hpl0.i

Client ID:

Compound Name: p-Phenylene diamine

CAS #: 106-50-3

Report Date: 04/08/2004



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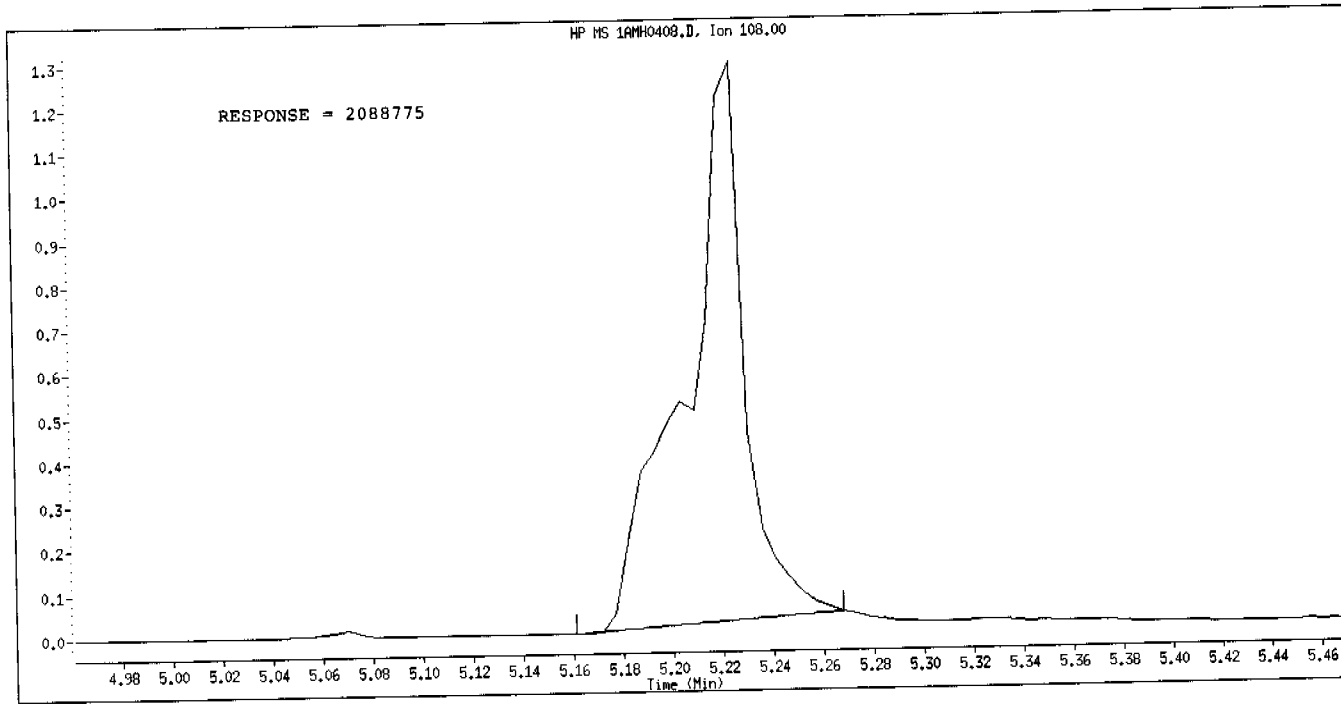

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Manually Integrated By: hulat

Manual Integration Reason: Analyte Misidentified by the Data System

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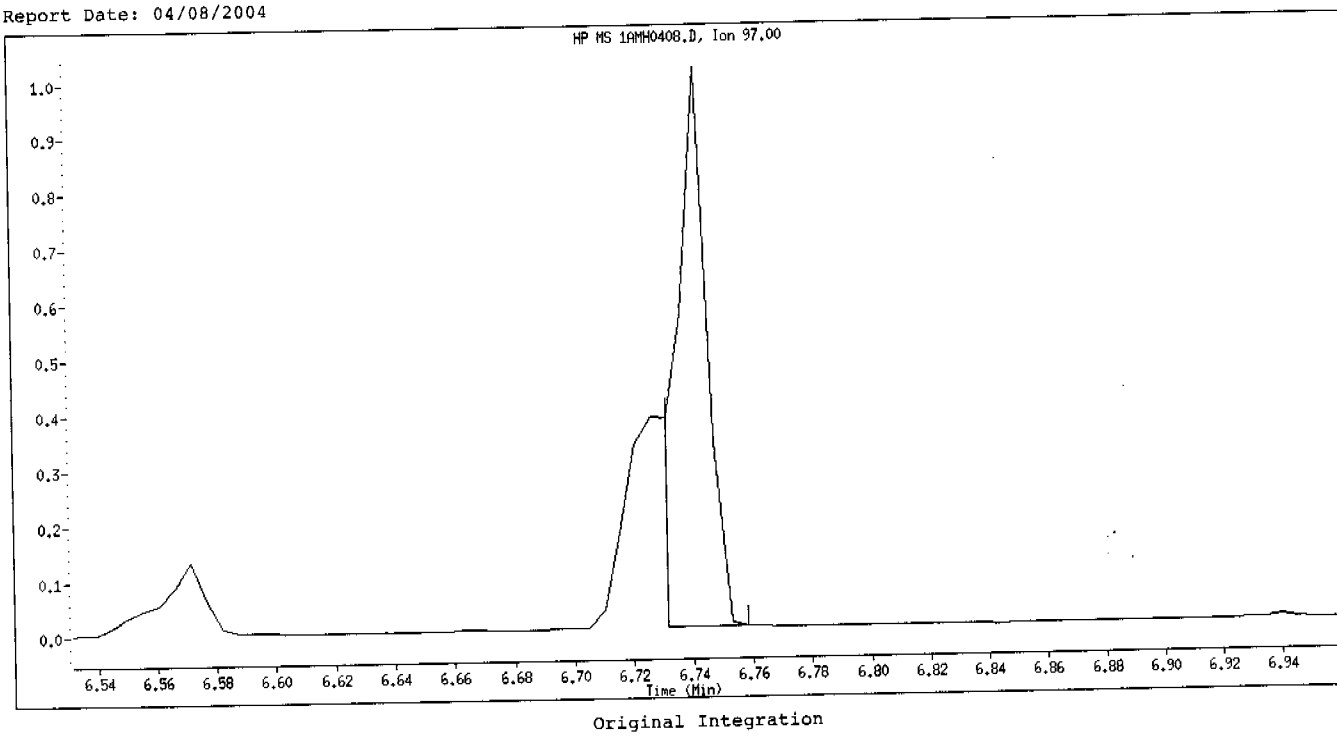
Instrument ID: a4hp10.i
Client ID:
Compound Name: Zinophos
CAS #: 297-97-2
Report Date: 04/08/2004



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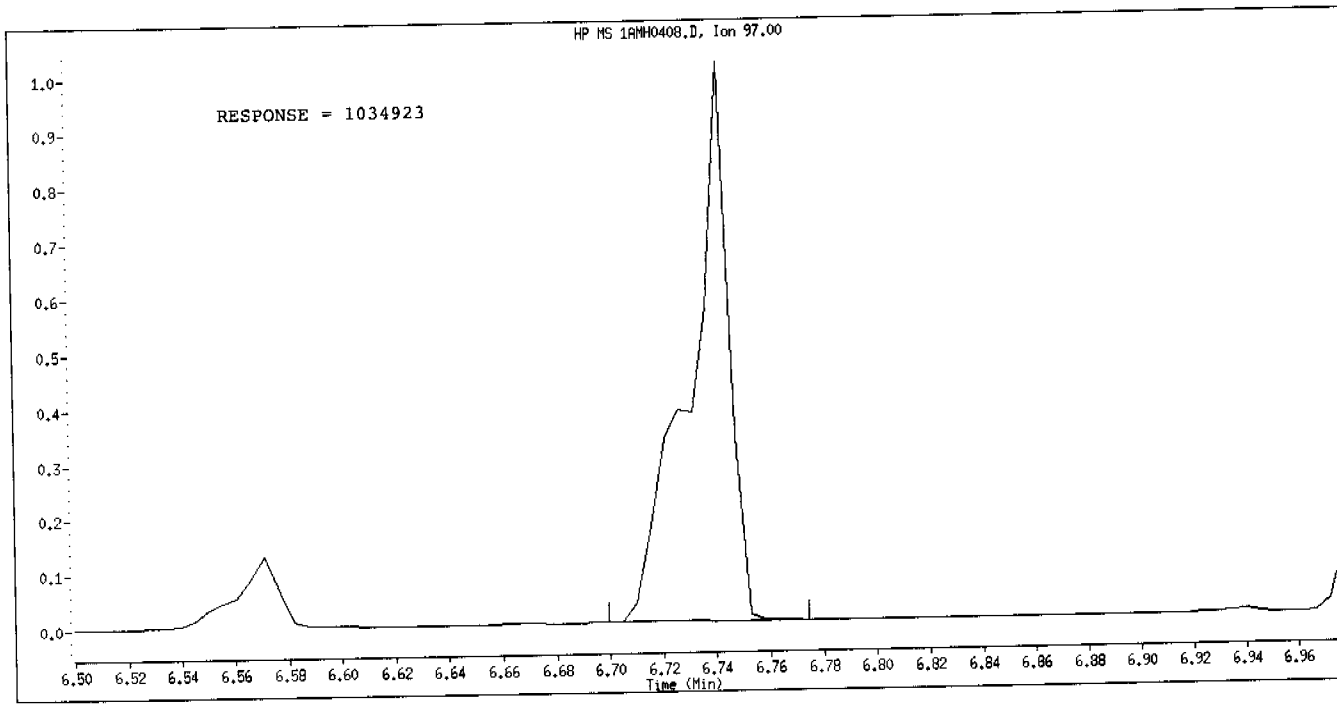

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Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

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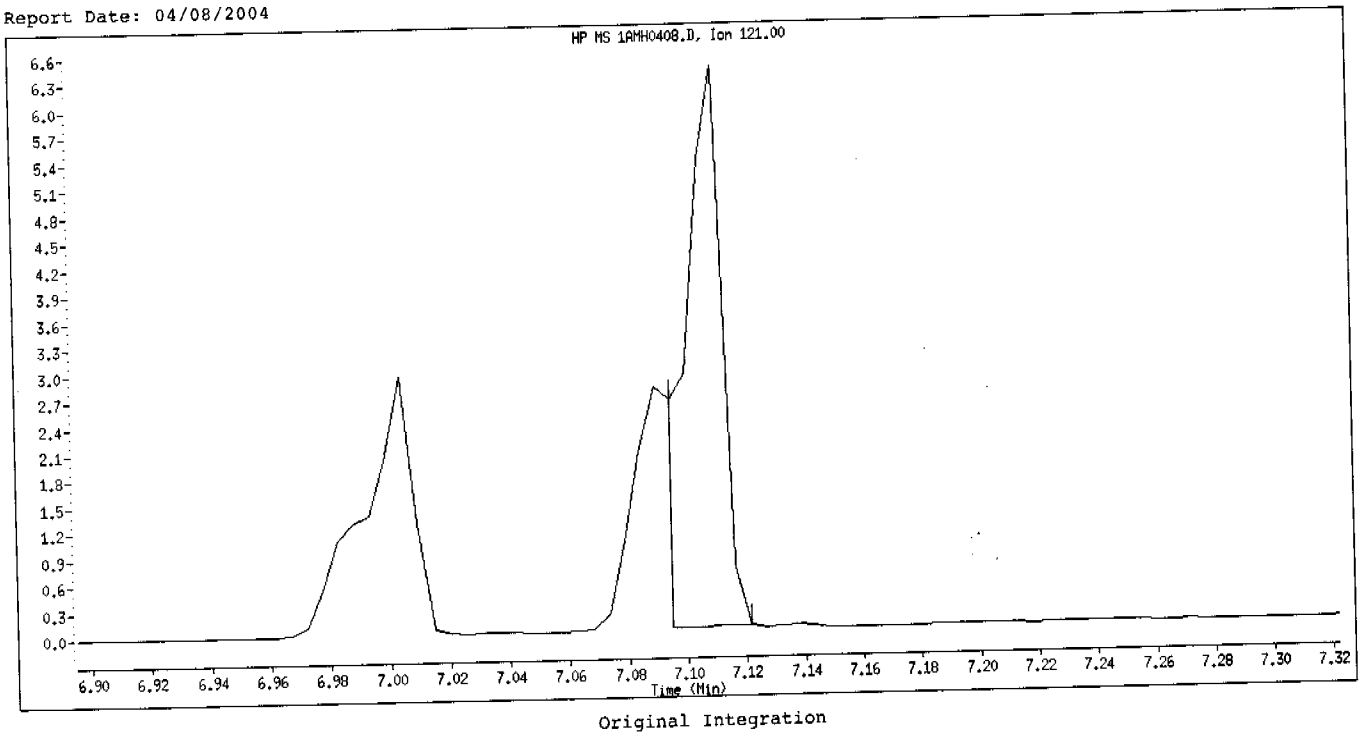
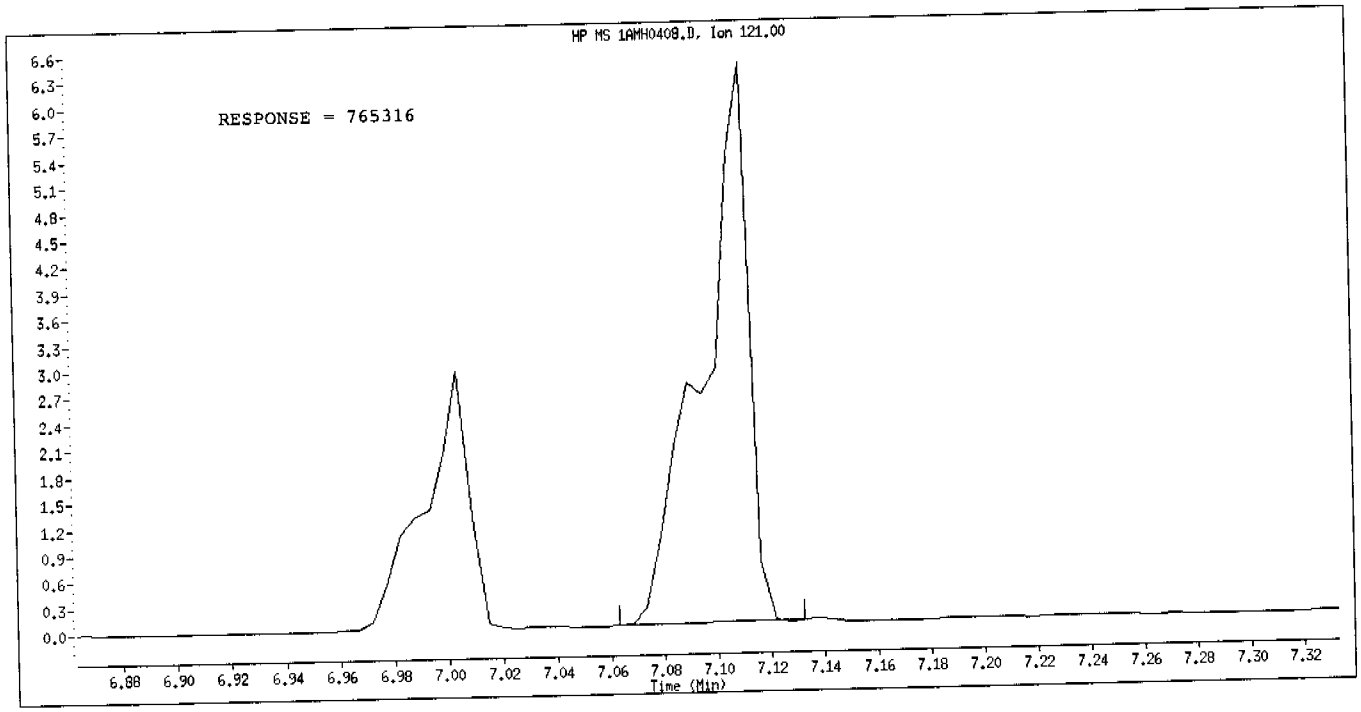
Inj. Date and Time: 08-APR-2004 08:34
Instrument ID: a4hp10.i
Client ID:
Compound Name: Phorate
CAS #: 298-02-2
Report Date: 04/08/2004



Original Integration



Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

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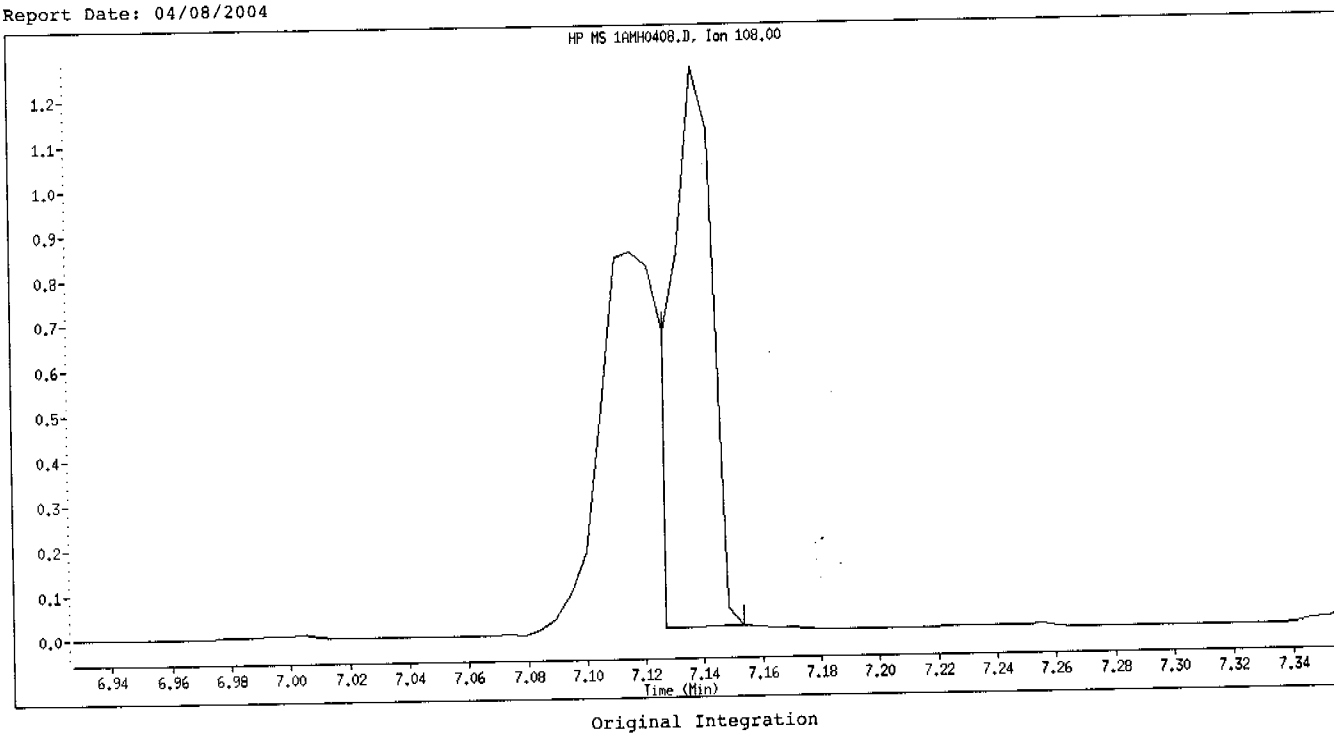
Inj. Date and Time: 08-APR-2004 08:34
Instrument ID: a4hp10.i
Client ID:
Compound Name: Phenacetin
CAS #: 62-44-2
Report Date: 04/08/2004



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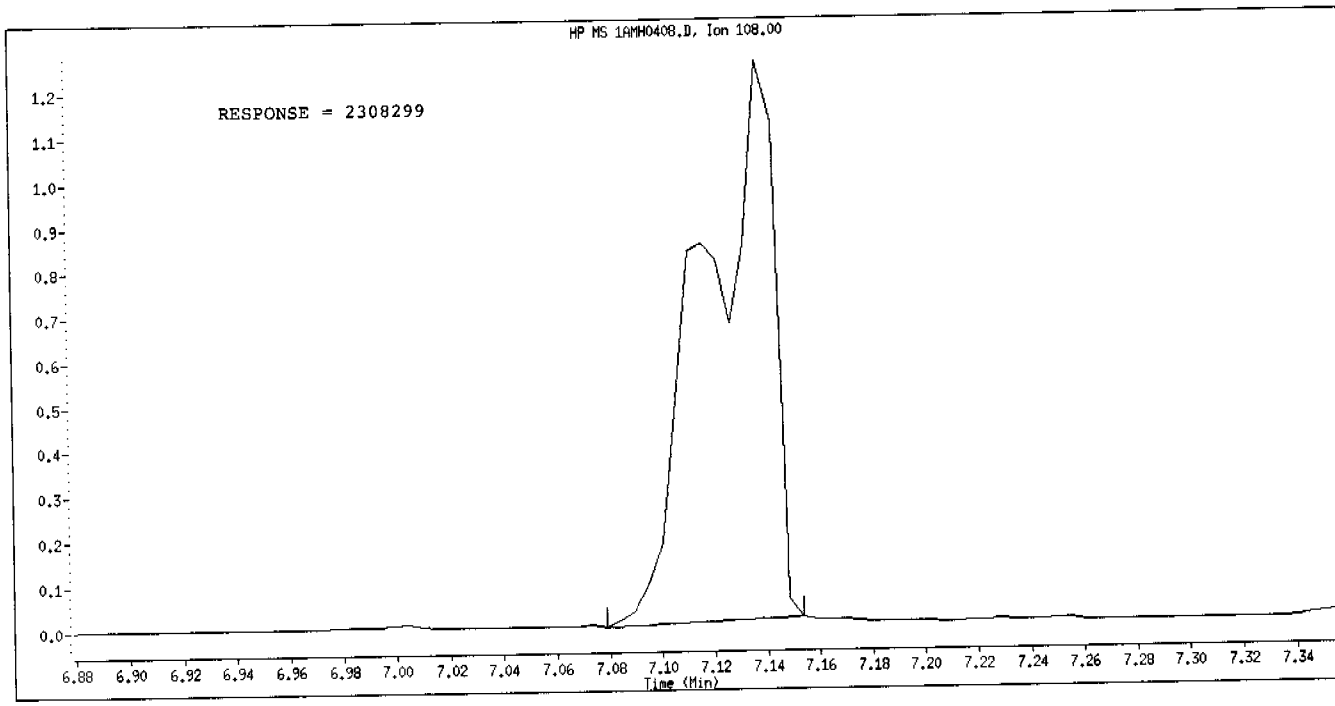

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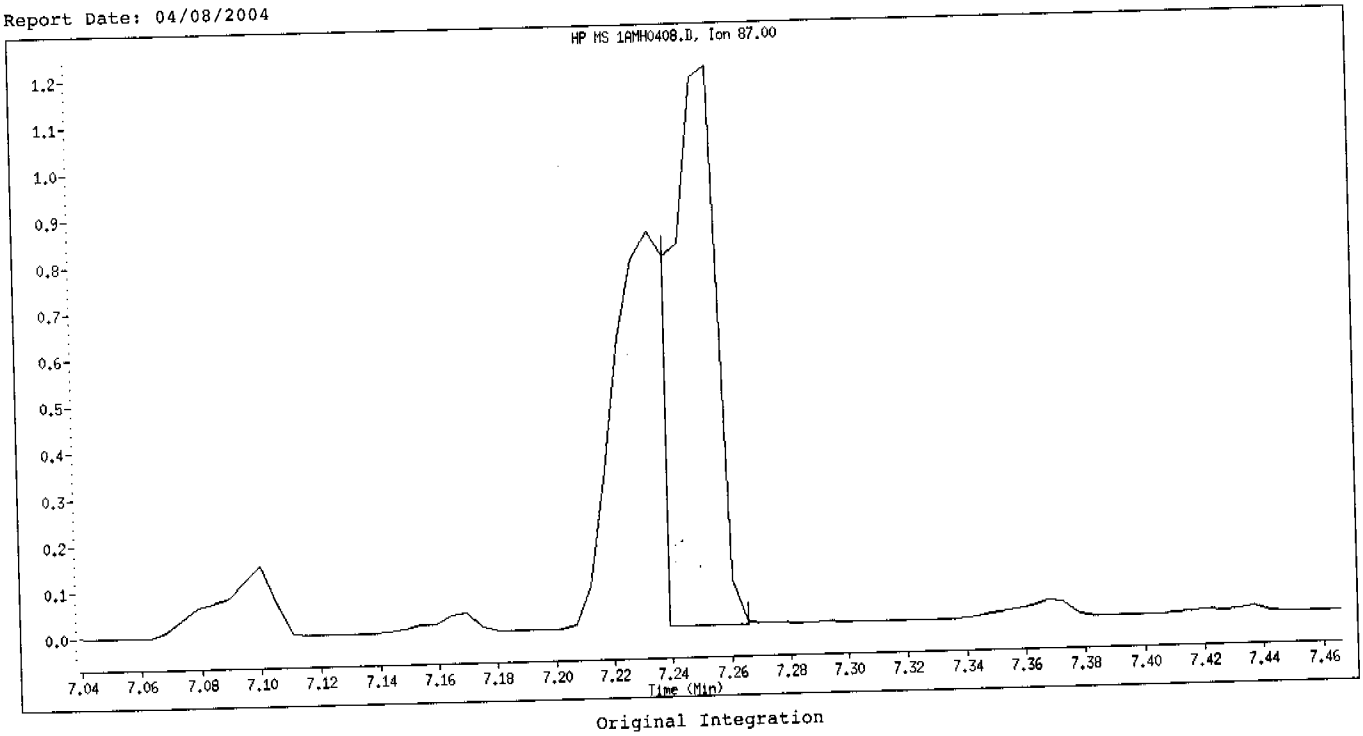
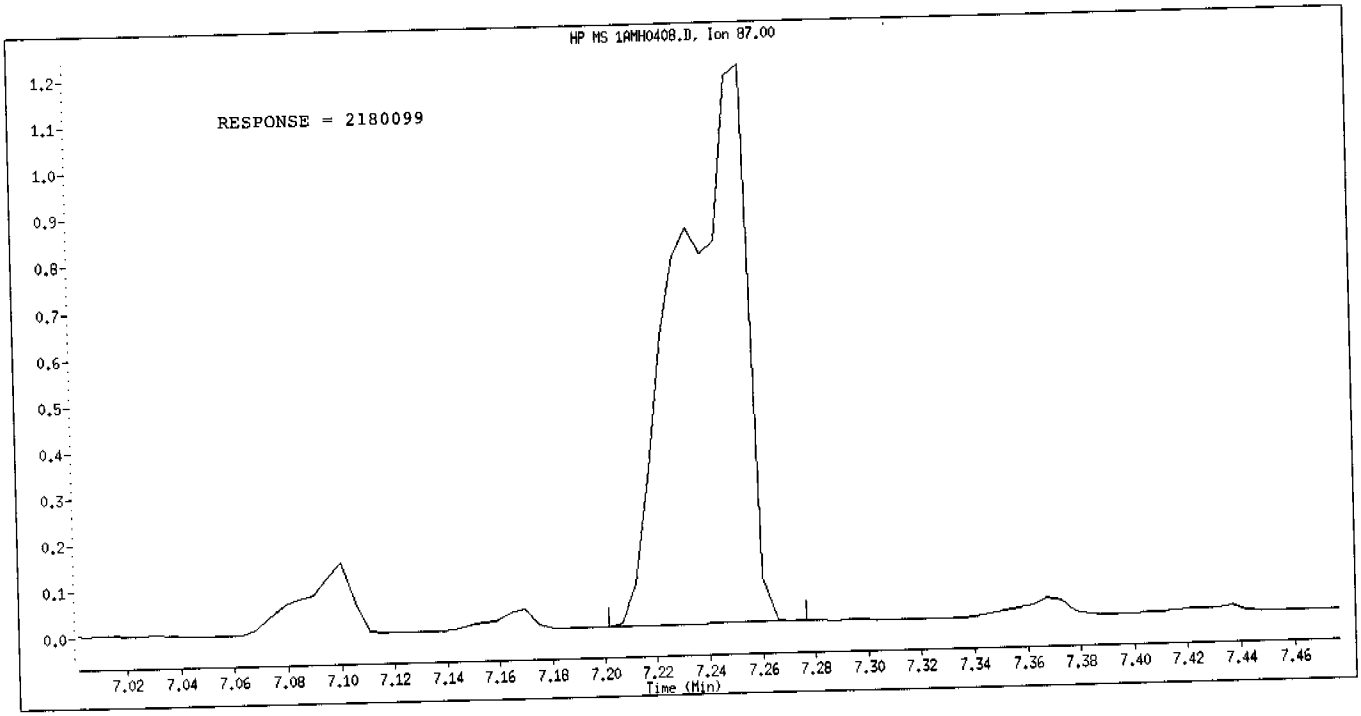
Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 1AMH0408.D
Inj. Date and Time: 08-APR-2004 08:34
Instrument ID: a4hp10.i
Client ID:
Compound Name: Dimethoate
CAS #: 60-51-5
Report Date: 04/08/2004



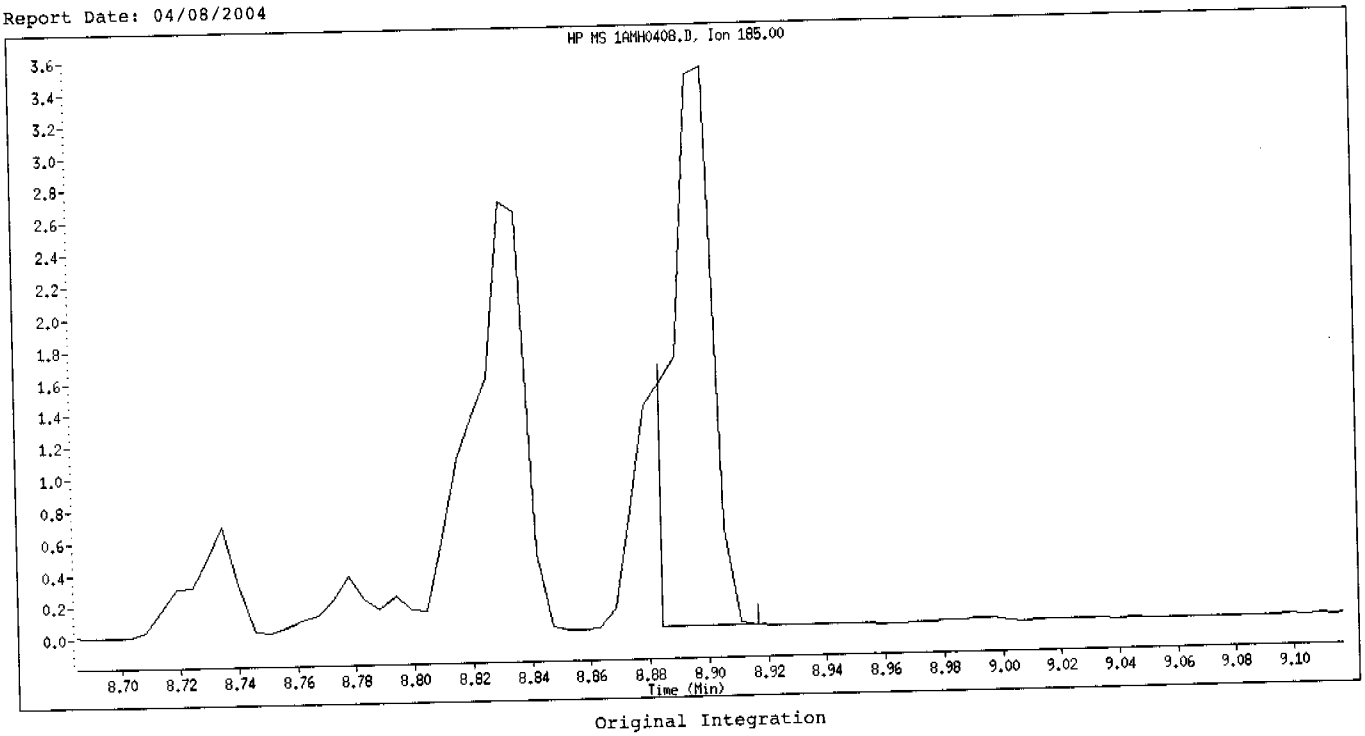
Original Integration



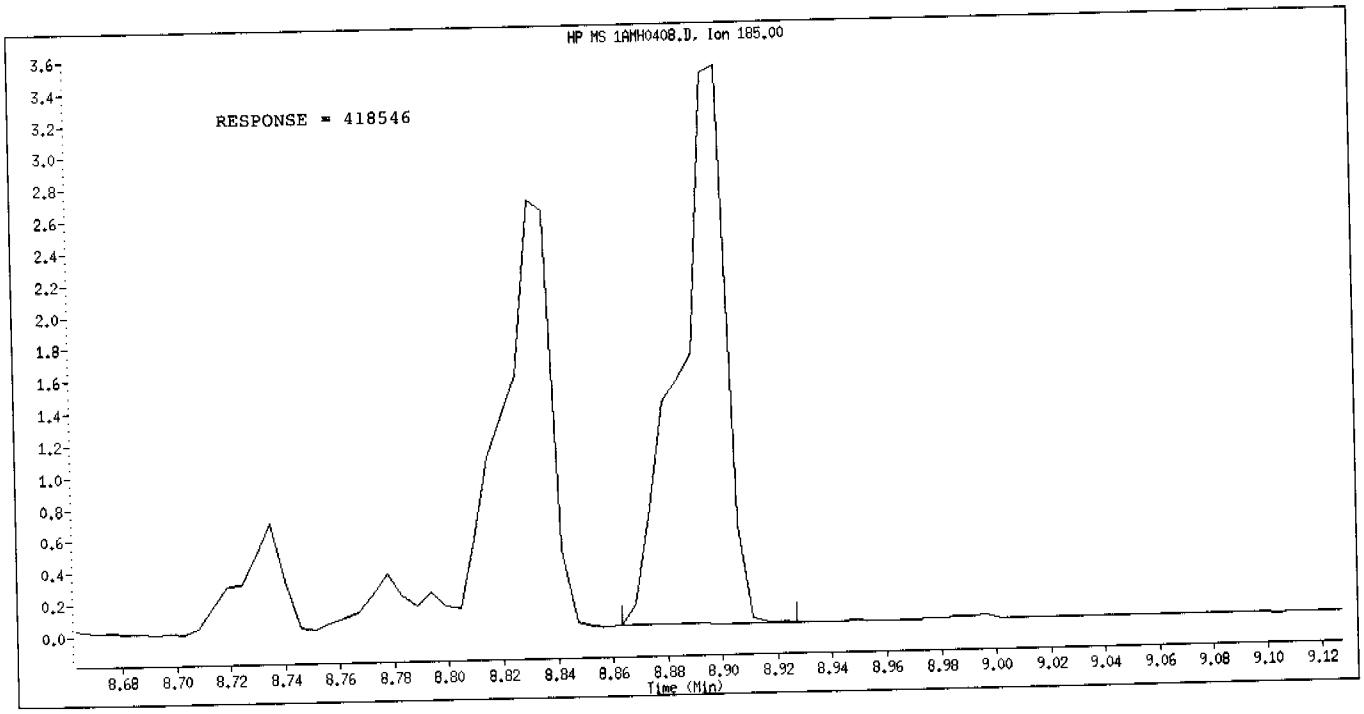
Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: 1AMH0408.D
Inj. Date and Time: 08-APR-2004 08:34
Instrument ID: a4hp10.i
Client ID:
Compound Name: Aramite 2
CAS #: 140-57-8
Report Date: 04/08/2004



Original Integration



Manual Integration

Manually Integrated By: hulat
Manual Integration Reason: Analyte Misidentified by the Data System

SEVERN TRENT STL

RAW QC DATA

Data File: \\qoanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6DF0406.D

Date : 06-APR-2004 14:26

Client ID:

Instrument: a4hp6.i

Sample Info: dftpp,40406a.b,dftpp288.m

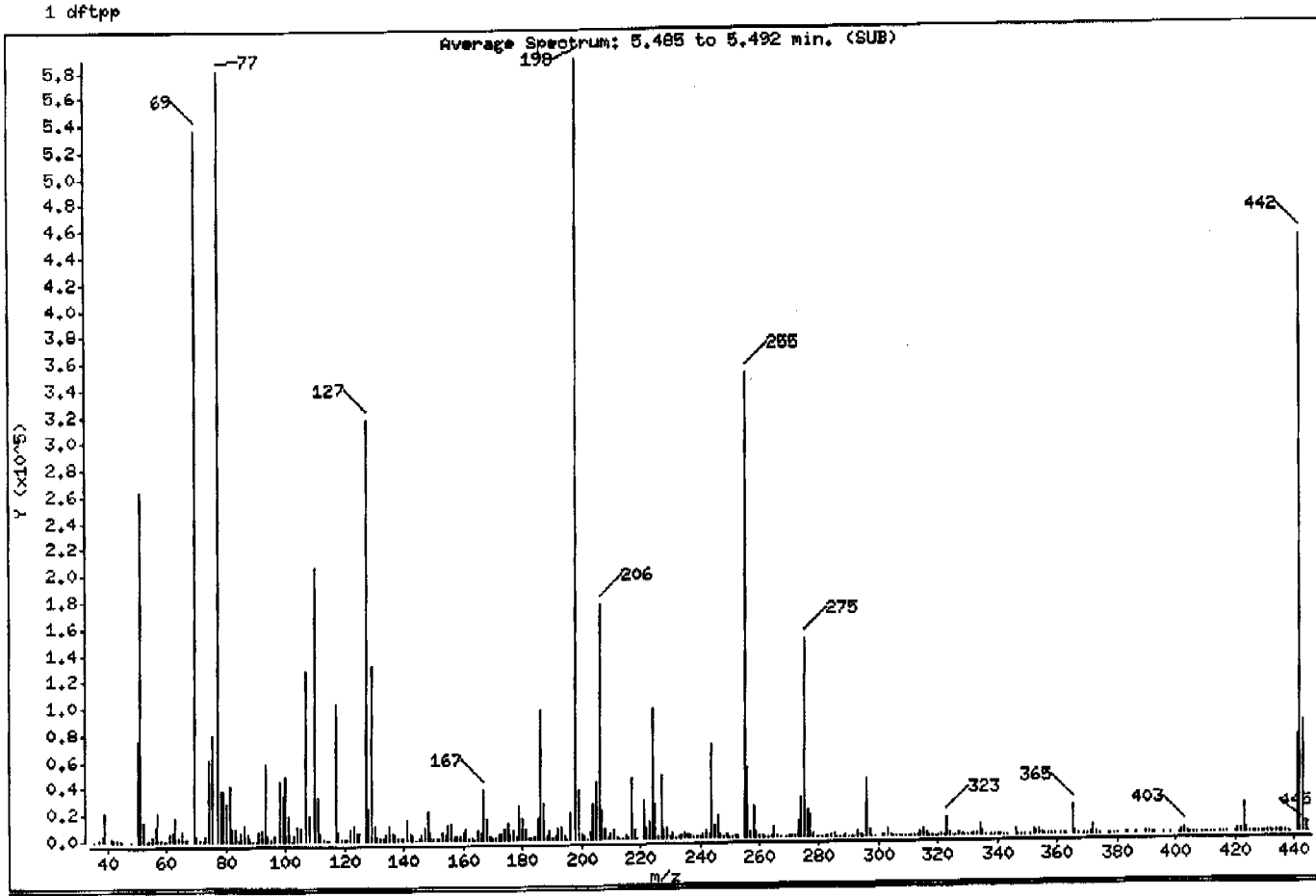
Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	44.75
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	90.93
70	Less than 2.00% of mass 69	0.79 (0.87)
127	40.00 - 60.00% of mass 198	53.85
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.40
275	10.00 - 30.00% of mass 198	25.40
365	Greater than 1.00% of mass 198	3.56
441	Present, but less than mass 443	12.48
442	Greater than 40.00% of mass 198	76.38
443	17.00 - 23.00% of mass 442	14.34 (18.78)

Data File: \\qcanoh05\dd\chem\MS5\a4hp6.i\40406a.b\6DF0406.D

Date : 06-APR-2004 14:25

Client ID:

Instrument: a4hp6.i

Sample Info: dftpp,40406a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

Data File: 6DF0406.D
Spectrum: Average Spectrum: 5.485 to 5.492 min. (SUB)
Location of Maximum: 198.00
Number of points: 370

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	236	140.00	1287	235.00	3633	331.00	55
37.00	1686	141.00	15023	236.00	2466	332.00	1027
38.00	4115	142.00	5701	237.00	3258	333.00	1448
39.00	21976	143.00	4060	238.00	525	334.00	8633
41.00	2807	144.00	558	239.00	1957	335.00	2317
42.00	1711	145.00	917	240.00	1395	336.00	153
43.00	1007	146.00	4137	241.00	2176	338.00	137
44.00	898	147.00	9056	242.00	5759	339.00	374
45.00	367	148.00	21712	243.00	2669	340.00	391
48.00	673	149.00	4741	244.00	70424	341.00	1775
50.00	76032	150.00	1377	245.00	9628	342.00	324
51.00	263488	151.00	1854	246.00	16338	343.00	129
52.00	14317	152.00	1304	247.00	2844	346.00	4207
53.00	221	153.00	5713	248.00	857	347.00	528
54.00	746	154.00	4368	249.00	2542	348.00	50
55.00	3742	155.00	10835	250.00	382	349.00	191
56.00	10597	156.00	12101	251.00	508	351.00	241
57.00	21608	157.00	2564	252.00	1394	352.00	3416
58.00	1550	158.00	2870	253.00	1204	353.00	2980
59.00	520	159.00	2250	255.00	349248	354.00	4669
60.00	503	160.00	5956	256.00	53144	355.00	921
61.00	5928	161.00	7932	257.00	4028	356.00	326
62.00	6745	162.00	884	258.00	23456	357.00	123
63.00	17512	163.00	837	259.00	3799	358.00	194
64.00	2919	164.00	564	260.00	706	359.00	107
65.00	7720	165.00	6929	261.00	1089	361.00	428
66.00	721	166.00	5836	262.00	71	362.00	351
67.00	1570	167.00	37896	263.00	419	363.00	298
69.00	535424	168.00	16576	264.00	916	365.00	20984
70.00	4637	169.00	3061	265.00	8798	366.00	3005
71.00	1009	170.00	1612	266.00	1722	367.00	53
72.00	357	171.00	1249	267.00	246	369.00	152
73.00	4405	172.00	3533	269.00	236	370.00	295
74.00	60912	173.00	3864	270.00	751	371.00	680
75.00	79432	174.00	7707	271.00	1644	372.00	6879

Data File: \\qoanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6DF0406.D

Date : 06-APR-2004 14:25

Client ID:

Instrument: a4hp6.i

Sample Info: dftpp,40406a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

Data File: 6DF0406.D
Spectrum: Average Spectrum: 5.485 to 5.492 min. (SUB)
Location of Maximum: 198.00
Number of points: 370

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	580544	175.00	12377	272.00	887	373.00	1512
78.00	37416	176.00	3612	273.00	12664	374.00	120
79.00	38328	177.00	6186	274.00	29824	377.00	99
80.00	28880	178.00	2163	275.00	149504	378.00	149
81.00	41456	179.00	25576	276.00	20184	379.00	45
82.00	10036	180.00	16680	277.00	15667	380.00	132
83.00	8821	181.00	7942	278.00	2838	383.00	1518
84.00	1433	182.00	1502	279.00	570	384.00	188
85.00	6508	183.00	1149	280.00	39	386.00	40
86.00	11722	184.00	2244	281.00	304	387.00	48
87.00	5503	185.00	15737	282.00	396	390.00	965
88.00	2266	186.00	98008	283.00	1867	391.00	771
89.00	279	187.00	26528	284.00	1506	392.00	441
90.00	227	188.00	3068	285.00	3272	393.00	130
91.00	7059	189.00	6184	286.00	282	396.00	51
92.00	8587	190.00	1102	287.00	220	398.00	45
93.00	57544	191.00	3370	288.00	48	401.00	291
94.00	4511	192.00	7722	289.00	852	402.00	2413
95.00	1466	193.00	9578	290.00	356	403.00	3724
96.00	3424	194.00	2139	291.00	346	404.00	773
98.00	45256	195.00	171	292.00	365	405.00	333
99.00	34344	196.00	19784	293.00	3470	406.00	285
100.00	49008	198.00	588864	294.00	1227	407.00	45
101.00	18872	199.00	37656	295.00	231	409.00	204
102.00	422	200.00	3506	296.00	43856	410.00	130
103.00	4544	201.00	2150	297.00	5762	411.00	60
104.00	10381	202.00	213	298.00	274	412.00	90
105.00	9216	203.00	5548	299.00	158	413.00	147
107.00	126680	204.00	27744	301.00	1096	415.00	490
108.00	19432	205.00	43800	302.00	936	416.00	243
110.00	206336	206.00	176576	303.00	4856	417.00	266
111.00	32464	207.00	21552	304.00	1911	420.00	51
112.00	4860	208.00	7522	305.00	219	421.00	3329
113.00	816	209.00	1691	306.00	41	422.00	3226
114.00	586	210.00	3466	307.00	158	423.00	21856

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40406a.b\6DF0406.D

Date : 06-APR-2004 14:25

Client ID:

Instrument: a4hp6.i

Sample Info: dftpp,40406a,b,dftpp288,m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

Data File: 6DF0406.D
Spectrum: Average Spectrum: 5.485 to 5.492 min. (SUB)
Location of Maximum: 198.00
Number of points: 370

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	528	211.00	7323	308.00	319	424.00	3559
117.00	103304	212.00	1658	309.00	383	425.00	758
118.00	6895	213.00	665	310.00	547	426.00	418
119.00	1292	214.00	231	311.00	57	427.00	1000
120.00	822	215.00	2551	312.00	164	428.00	371
121.00	881	216.00	824	313.00	604	429.00	772
122.00	8116	217.00	46256	314.00	2647	430.00	365
123.00	11500	218.00	6296	315.00	5936	431.00	957
124.00	5703	219.00	672	316.00	2546	432.00	837
125.00	4975	221.00	28728	317.00	357	433.00	367
127.00	317056	222.00	7567	318.00	377	434.00	1163
128.00	24592	223.00	12868	319.00	287	435.00	1079
129.00	130680	224.00	97600	320.00	370	436.00	850
130.00	11195	225.00	25472	321.00	1735	437.00	1073
131.00	2417	226.00	1286	322.00	640	438.00	575
132.00	921	227.00	47280	323.00	13593	439.00	596
133.00	738	228.00	6938	324.00	2852	441.00	73496
134.00	3897	229.00	8007	325.00	284	442.00	449792
135.00	10732	230.00	1207	326.00	261	443.00	84464
136.00	4990	231.00	3509	327.00	2366	444.00	8302
137.00	4675	232.00	333	328.00	1208	445.00	531
138.00	1595	233.00	1263	329.00	151		
139.00	760	234.00	3203	330.00	430		

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40406a.b\6DF0406.D

Date : 06-APR-2004 14:25

Client ID:

Instrument: a4hp6.i

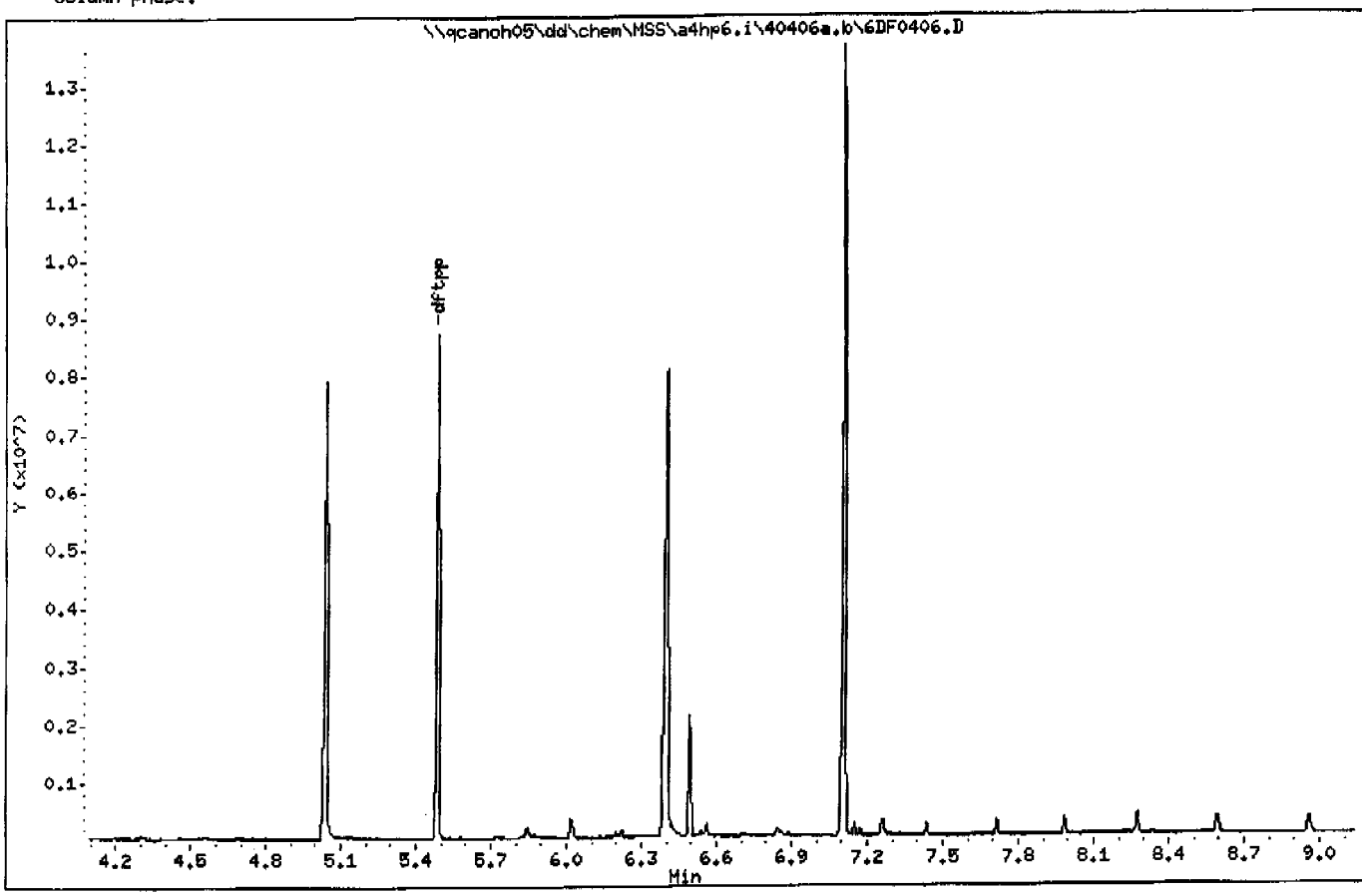
Sample Info: dftpp,40406a.b,dftpp298.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00



Data File: \\qoanoh05\dd\chem\HSS\a4hp6.i\40407a.b\6DF0407.D

Date : 07-APR-2004 08:32

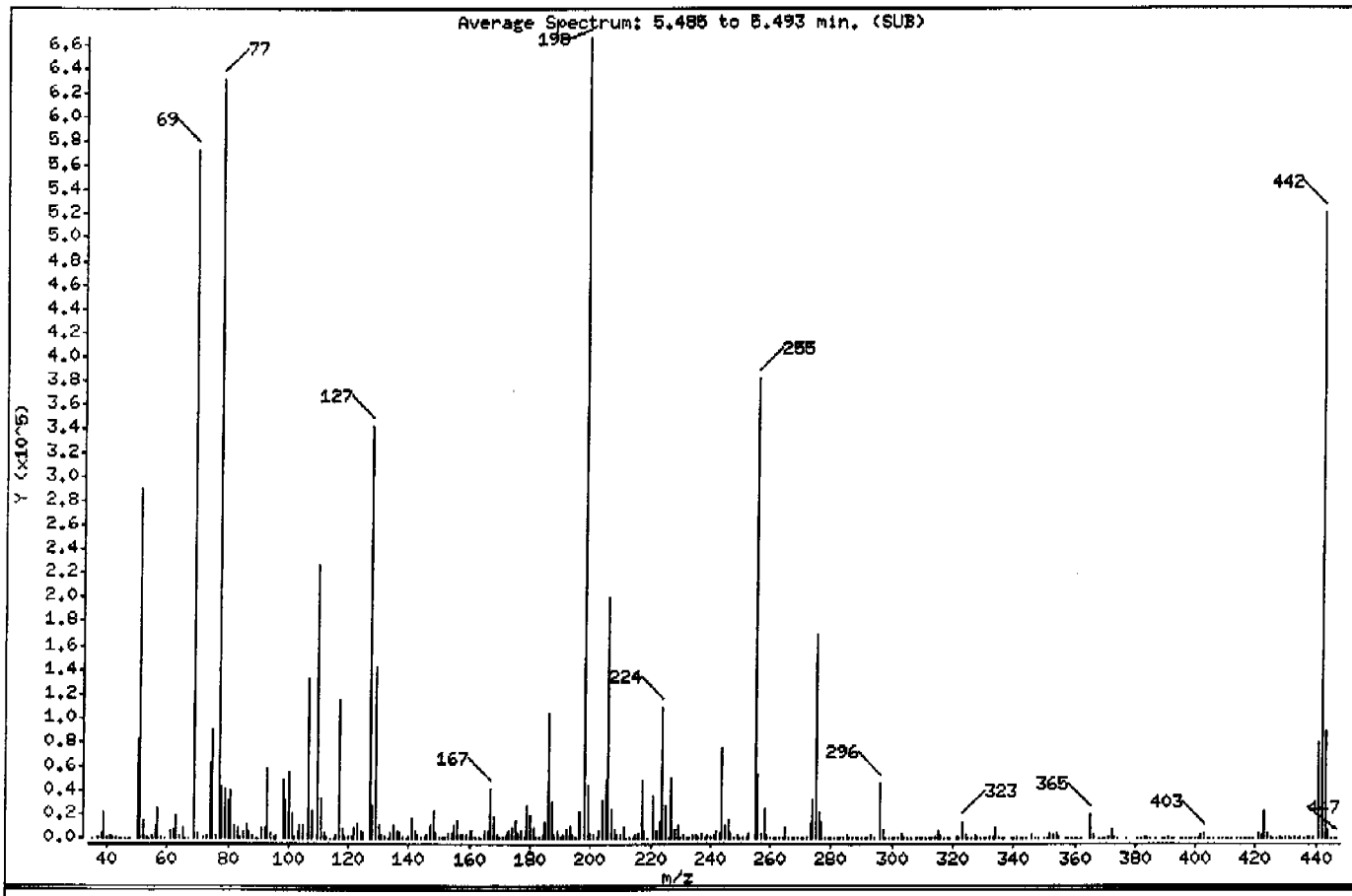
Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40407a,b,dftpp288,m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.73
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	86.09
70	Less than 2.00% of mass 69	0.73 (0.84)
127	40.00 - 60.00% of mass 198	51.34
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.59
275	10.00 - 30.00% of mass 198	25.24
365	Greater than 1.00% of mass 198	2.97
441	Present, but less than mass 443	12.06
442	Greater than 40.00% of mass 198	78.09
443	17.00 - 23.00% of mass 442	13.35 (17.09)

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\6DF0407.D

Date : 07-APR-2004 08:32

Client ID: Instrument: a4hp6.i

Sample Info: dFtpp,40407a.b,dFtpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0407.D
Spectrum: Average Spectrum: 5.485 to 5.493 min. (SUB)
Location of Maximum: 198.00
Number of points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	58	139.00	705	236.00	2244	335.00	2218
37.00	1652	140.00	1642	237.00	3900	336.00	499
38.00	4372	141.00	16968	238.00	1035	337.00	65
39.00	22128	142.00	5704	239.00	2315	339.00	359
40.00	1577	143.00	3657	240.00	2147	340.00	84
41.00	3170	144.00	1367	241.00	3073	341.00	1636
42.00	1630	145.00	989	242.00	5920	342.00	476
43.00	2070	146.00	2982	243.00	4079	343.00	69
44.00	483	147.00	10208	244.00	75280	344.00	208
45.00	693	148.00	22656	245.00	10095	346.00	3011
46.00	60	149.00	5001	246.00	15757	347.00	694
47.00	219	150.00	993	247.00	4217	348.00	233
48.00	384	151.00	2159	248.00	1165	350.00	134
50.00	83264	152.00	1027	249.00	2541	351.00	224
51.00	291264	153.00	4990	250.00	743	352.00	4289
52.00	15630	154.00	4888	251.00	883	353.00	3065
53.00	1088	155.00	10909	252.00	1465	354.00	4353
54.00	642	156.00	15132	253.00	4387	355.00	1050
55.00	3370	157.00	2757	255.00	380864	357.00	48
56.00	10754	158.00	3476	256.00	52872	358.00	262
57.00	25032	159.00	2849	257.00	4880	359.00	276
58.00	1984	160.00	5831	258.00	24160	360.00	308
59.00	493	161.00	7501	259.00	3369	361.00	74
61.00	5700	162.00	2206	260.00	417	362.00	80
62.00	7021	163.00	866	261.00	658	365.00	19792
63.00	18488	164.00	330	262.00	112	366.00	3231
64.00	2710	165.00	6780	263.00	417	368.00	64
65.00	8987	166.00	6534	264.00	705	369.00	312
66.00	647	167.00	41176	265.00	9783	370.00	345
67.00	674	168.00	18192	266.00	1723	371.00	1065
69.00	573440	169.00	2874	267.00	893	372.00	8293
70.00	4846	170.00	1625	268.00	183	373.00	1725
72.00	899	171.00	1705	269.00	519	374.00	224
73.00	3217	172.00	3545	270.00	598	377.00	142
74.00	63408	173.00	5539	271.00	1416	381.00	59

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\6DF0407.D

Date : 07-APR-2004 08:32

Client ID:

Instrument: a4hp6.i

Sample Info: dftpp,40407a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

Data File: 6DF0407.D

Spectrum: Average Spectrum: 5.485 to 5.493 min. (SUB)

Location of Maximum: 198.00

Number of points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	90392	174.00	9423	272.00	1519	382.00	109
76.00	3202	175.00	15862	273.00	12828	383.00	1922
77.00	630592	176.00	4667	274.00	31592	384.00	844
78.00	42808	177.00	7814	275.00	168128	385.00	121
79.00	40592	178.00	1317	276.00	21896	387.00	135
80.00	31728	179.00	27416	277.00	14477	389.00	94
81.00	39192	180.00	19296	278.00	2241	390.00	693
82.00	10734	181.00	8444	279.00	177	391.00	809
83.00	9472	182.00	1115	280.00	147	392.00	595
84.00	2057	183.00	847	281.00	92	393.00	196
85.00	6730	184.00	3100	282.00	615	395.00	40
86.00	12470	185.00	13355	283.00	1375	396.00	65
87.00	5757	186.00	103536	284.00	1911	397.00	45
88.00	2346	187.00	30040	285.00	2456	398.00	53
89.00	751	188.00	3571	286.00	567	399.00	69
90.00	140	189.00	6708	287.00	105	400.00	248
91.00	9930	190.00	1403	288.00	291	401.00	345
92.00	9580	191.00	3112	289.00	690	402.00	3088
93.00	57992	192.00	8012	290.00	741	403.00	4491
94.00	4691	193.00	10831	291.00	289	404.00	742
95.00	1106	194.00	3331	292.00	201	405.00	321
96.00	3342	195.00	1570	293.00	2845	406.00	143
98.00	48840	196.00	22360	294.00	1331	408.00	180
99.00	32000	198.00	666112	296.00	45392	409.00	122
100.00	55136	199.00	43880	297.00	7002	410.00	181
101.00	21888	200.00	4150	298.00	559	411.00	222
102.00	1494	201.00	3264	299.00	43	412.00	244
103.00	6112	202.00	1357	300.00	324	414.00	224
104.00	10971	203.00	5629	301.00	831	415.00	106
105.00	11139	204.00	31664	302.00	931	416.00	240
107.00	133824	205.00	49424	303.00	5239	417.00	39
108.00	23000	206.00	201088	304.00	1193	418.00	302
110.00	227264	207.00	24280	305.00	78	419.00	229
111.00	33992	208.00	7097	306.00	185	421.00	4015
112.00	4930	209.00	2322	308.00	1007	422.00	2344

Date : 07-APR-2004 08:32

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40407a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0407.D
Spectrum: Average Spectrum: 5.485 to 5.493 min. (SUB)
Location of Maximum: 198.00
Number of points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	1186	210.00	3643	309.00	441	423.00	23656
114.00	723	211.00	8712	310.00	529	424.00	4690
115.00	370	212.00	80	311.00	238	425.00	813
116.00	3126	213.00	1095	312.00	349	426.00	370
117.00	114616	214.00	266	313.00	746	427.00	497
118.00	6918	215.00	3185	314.00	1712	428.00	847
119.00	986	216.00	4369	315.00	5879	429.00	471
120.00	1898	217.00	48784	316.00	3093	430.00	1475
121.00	854	218.00	6770	317.00	544	431.00	1098
122.00	9014	219.00	550	318.00	117	432.00	360
123.00	11644	221.00	35528	319.00	328	433.00	1001
124.00	5561	222.00	6783	321.00	1849	434.00	75
125.00	4923	223.00	14177	322.00	935	435.00	1484
127.00	342016	224.00	108640	323.00	13132	436.00	594
128.00	27984	225.00	28240	324.00	2397	437.00	1600
129.00	141888	226.00	1520	325.00	122	438.00	1591
130.00	11358	227.00	50376	326.00	73	439.00	861
131.00	2747	228.00	7894	327.00	2614	441.00	80344
132.00	1899	229.00	10418	328.00	1476	442.00	520192
133.00	469	230.00	1683	329.00	238	443.00	88904
134.00	4281	231.00	3187	330.00	86	444.00	8158
135.00	11274	232.00	919	331.00	106	445.00	574
136.00	5792	233.00	767	332.00	1296	446.00	99
137.00	5045	234.00	3583	333.00	1190	447.00	96
138.00	1716	235.00	2633	334.00	8960		

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\6DF0407.D

Date : 07-APR-2004 08:32

Client ID:

Instrument: a4hp6.i

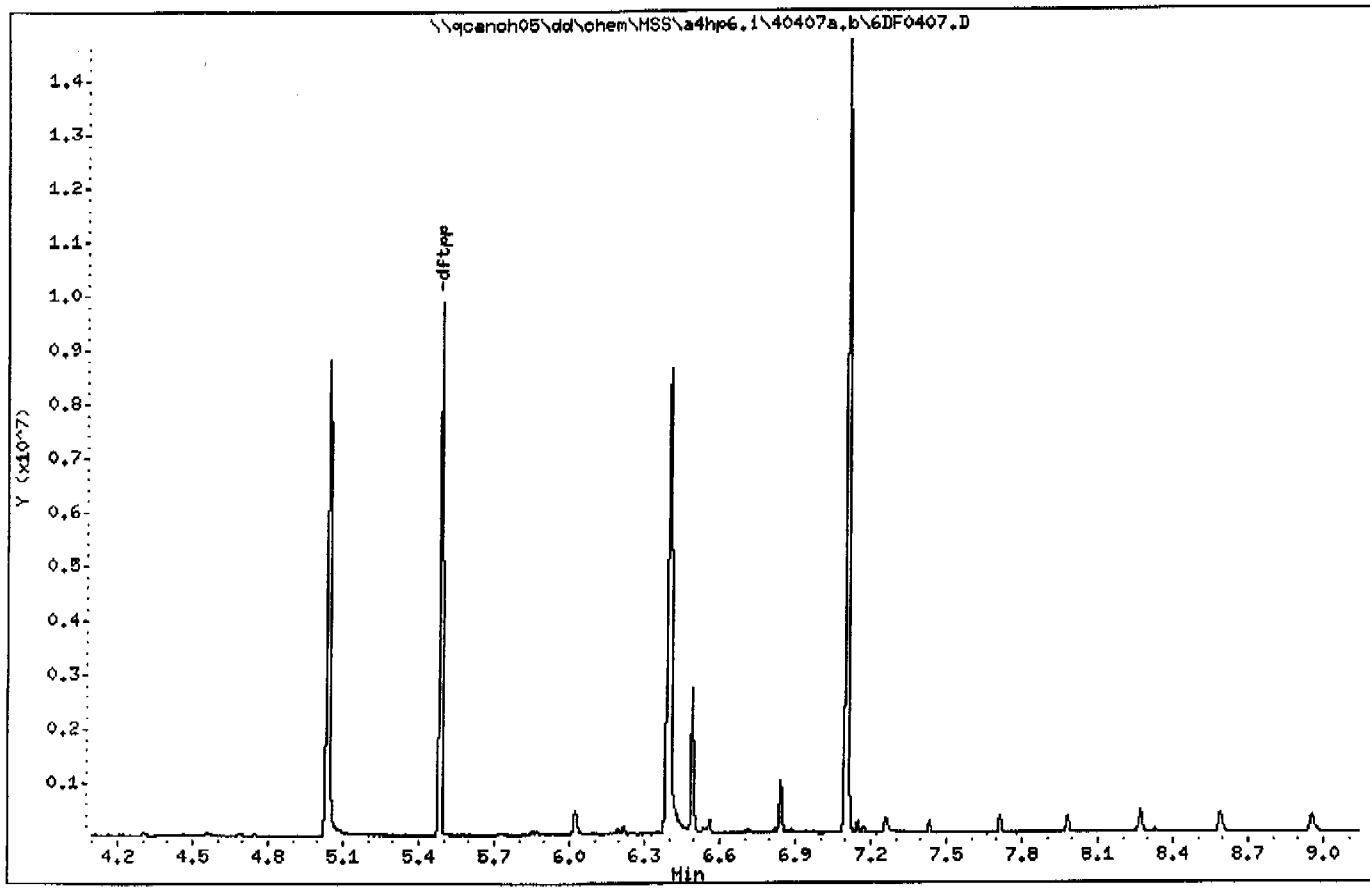
Sample Info: dftpp,40407a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00



7/13/04

Data File: \\qcanoh03\dd\chem\MSS\a4hp6.i\40412a.b\6DF0412.D

Date : 12-APR-2004 08:48

Client ID:

Instrument: a4hp6.i

Sample Info: dftpp,40412a.b,dftpp288.m

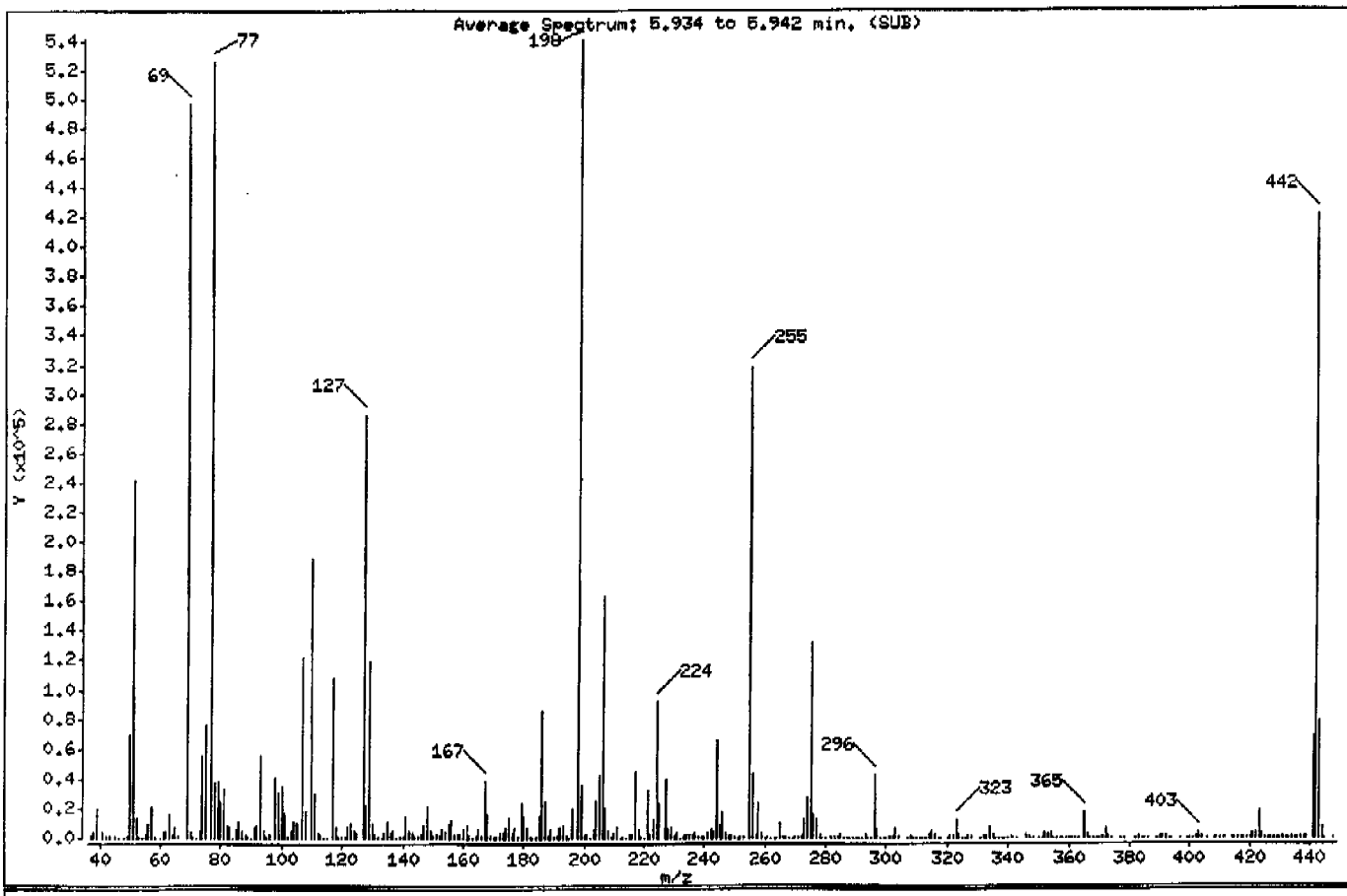
Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	44.86
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	91.73
70	Less than 2.00% of mass 69	0.92 (1.01)
127	40.00 - 60.00% of mass 198	52.92
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.56
275	10.00 - 30.00% of mass 198	24.31
365	Greater than 1.00% of mass 198	3.21
441	Present, but less than mass 443	12.70
442	Greater than 40.00% of mass 198	77.91
443	17.00 - 23.00% of mass 442	14.52 (18.64)

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6DF0412.D

Date : 12-APR-2004 08:48

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40412a,b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0412.D
Spectrum: Average Spectrum: 5.934 to 5.942 min. (SUB)
Location of Maximum: 198.00
Number of points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1626	142.00	4666	237.00	3528	337.00	52
38.00	3989	143.00	3154	238.00	821	338.00	91
39.00	19528	144.00	978	239.00	1681	339.00	157
41.00	3195	145.00	1245	240.00	1355	340.00	341
42.00	854	146.00	2704	241.00	3162	341.00	1430
43.00	1190	147.00	8525	242.00	5881	342.00	470
45.00	858	148.00	20752	243.00	5174	343.00	80
46.00	176	149.00	4715	244.00	66464	346.00	2501
48.00	235	150.00	851	245.00	8247	347.00	652
49.00	806	151.00	2567	246.00	17016	348.00	44
50.00	69664	152.00	1566	247.00	3640	350.00	44
51.00	242560	153.00	5733	248.00	1038	351.00	201
52.00	13817	154.00	4292	249.00	2242	352.00	3971
53.00	808	155.00	9446	250.00	695	353.00	2926
54.00	332	156.00	12262	251.00	423	354.00	3435
55.00	3046	157.00	2489	252.00	1340	355.00	280
56.00	10367	158.00	2552	253.00	1818	356.00	202
57.00	20560	159.00	2753	255.00	318502	357.00	139
58.00	1033	160.00	6825	256.00	43952	358.00	188
60.00	272	161.00	8146	257.00	2750	359.00	405
61.00	4524	162.00	2423	258.00	23456	360.00	351
62.00	5265	163.00	568	259.00	3726	361.00	162
63.00	15840	164.00	1573	260.00	231	362.00	95
64.00	2806	165.00	5991	261.00	714	363.00	190
65.00	7834	166.00	971	262.00	282	365.00	17352
66.00	807	167.00	38256	263.00	255	366.00	2050
69.00	496000	168.00	16307	264.00	104	367.00	392
70.00	4991	169.00	2374	265.00	9351	368.00	61
71.00	795	170.00	1274	266.00	1694	369.00	48
72.00	52	171.00	1542	267.00	810	370.00	315
73.00	4608	172.00	3361	268.00	141	371.00	623
74.00	55568	173.00	3259	269.00	197	372.00	5772
75.00	76320	174.00	7108	270.00	1061	373.00	1794
77.00	526336	175.00	14207	271.00	1149	374.00	334
78.00	36960	176.00	4195	272.00	1438	377.00	356

Data File: \\qoanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6DF0412.D

Date : 12-APR-2004 08:48

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40412a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0412.D
Spectrum: Average Spectrum: 5.934 to 5.942 min. (SUB)
Location of Maximum: 198.00
Number of points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	38480	177.00	6961	273.00	12245	378.00	58
80.00	24904	178.00	1119	274.00	27592	382.00	103
81.00	33360	179.00	23800	275.00	131456	383.00	1806
82.00	8447	180.00	14959	276.00	15987	384.00	344
83.00	7791	181.00	6891	277.00	12794	385.00	108
84.00	33	182.00	1389	278.00	1879	386.00	72
85.00	6198	183.00	242	279.00	592	389.00	48
86.00	10680	184.00	1736	280.00	133	390.00	705
87.00	4811	185.00	15264	282.00	783	391.00	635
88.00	2150	186.00	85616	283.00	1348	392.00	680
89.00	857	187.00	24928	284.00	1134	393.00	180
90.00	120	188.00	2125	285.00	2600	394.00	78
91.00	7264	189.00	6362	286.00	185	397.00	100
92.00	8389	190.00	1047	287.00	111	399.00	52
93.00	55328	191.00	2481	288.00	13	400.00	53
94.00	4553	192.00	7571	289.00	243	401.00	372
95.00	629	193.00	8698	290.00	582	402.00	1823
96.00	2839	194.00	2265	291.00	307	403.00	3234
98.00	40928	195.00	474	292.00	435	404.00	979
99.00	30712	196.00	19536	293.00	2963	406.00	49
100.00	34800	198.00	540736	294.00	494	408.00	111
101.00	17392	199.00	35480	295.00	137	409.00	72
102.00	1407	200.00	2671	296.00	42400	410.00	181
103.00	4758	201.00	2893	297.00	6513	411.00	60
104.00	10886	202.00	257	298.00	179	412.00	56
105.00	9629	203.00	6036	299.00	37	414.00	198
107.00	121552	204.00	24520	300.00	93	415.00	444
108.00	19136	205.00	42456	301.00	743	416.00	187
110.00	189120	206.00	163072	302.00	1191	417.00	64
111.00	30080	207.00	19888	303.00	5726	418.00	90
112.00	3991	208.00	4838	304.00	999	419.00	212
113.00	2447	209.00	1800	307.00	97	420.00	341
114.00	504	210.00	3312	308.00	1047	421.00	3588
115.00	132	211.00	7161	309.00	227	422.00	3333
117.00	107656	212.00	468	310.00	289	423.00	18616

Data File: \\qoanoh05\dd\chem\HSS\a4hp6.i\40412a.b\6DF0412.D

Date : 12-APR-2004 08:48

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40412a,b,dftpp288,m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0412.D
Spectrum: Average Spectrum: 5.934 to 5.942 min. (SUB)
Location of Maximum: 198.00
Number of points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	7684	213.00	661	311.00	239	424.00	3336
119.00	772	214.00	579	312.00	514	425.00	375
120.00	1257	215.00	2406	313.00	468	426.00	219
121.00	935	216.00	2020	314.00	2357	427.00	590
122.00	7286	217.00	44784	315.00	4454	428.00	268
123.00	10291	218.00	5706	316.00	2317	429.00	157
124.00	4572	219.00	1016	317.00	532	430.00	409
125.00	3952	220.00	296	318.00	208	431.00	708
127.00	286144	221.00	32008	320.00	109	432.00	403
128.00	22712	222.00	2032	321.00	1196	433.00	580
129.00	119232	223.00	11863	322.00	727	434.00	837
130.00	10341	224.00	92144	323.00	12024	435.00	457
131.00	2359	225.00	23192	324.00	2912	436.00	546
132.00	939	227.00	39984	325.00	555	437.00	728
133.00	450	228.00	5950	326.00	306	438.00	953
134.00	3745	229.00	7209	327.00	1713	439.00	1151
135.00	11022	230.00	990	328.00	1128	441.00	68656
136.00	3579	231.00	3394	331.00	43	442.00	421312
137.00	4753	232.00	303	332.00	1025	443.00	78544
138.00	509	233.00	750	333.00	1384	444.00	7478
139.00	697	234.00	2334	334.00	7600	445.00	522
140.00	1459	235.00	3031	335.00	2164	448.00	40
141.00	14450	236.00	2571	336.00	151		

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\6DF0412.D

Date : 12-APR-2004 08:48

Client ID:

Instrument: a4hp6.i

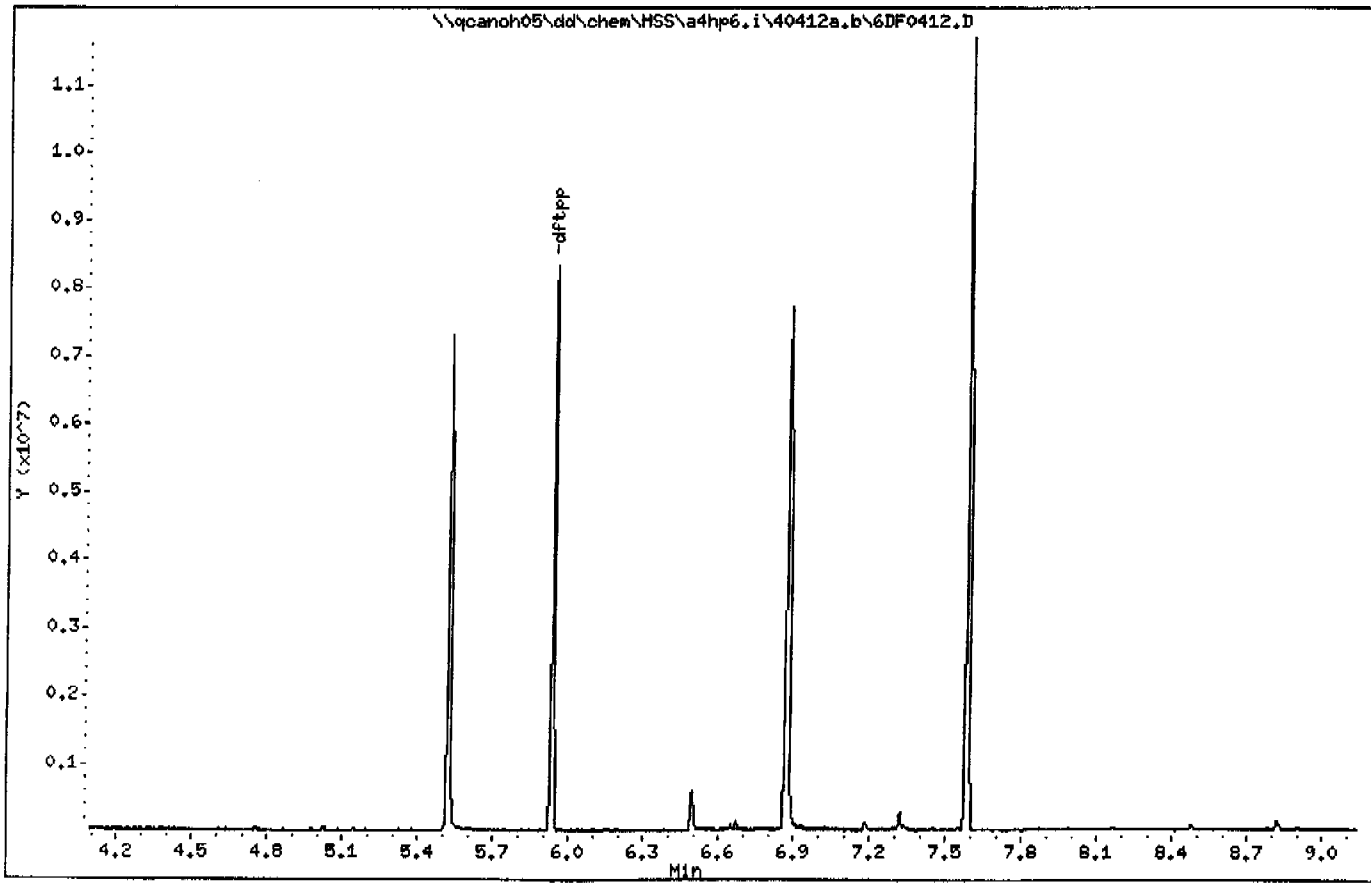
Sample Info: dftpp,40412a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00



7/14/04

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40413a.b\6DF0413.D

Date : 13-APR-2004 08:07

Client ID:

Instrument: a4hp6.i

Sample Info: dftpp,40413a.b,dftpp288.m

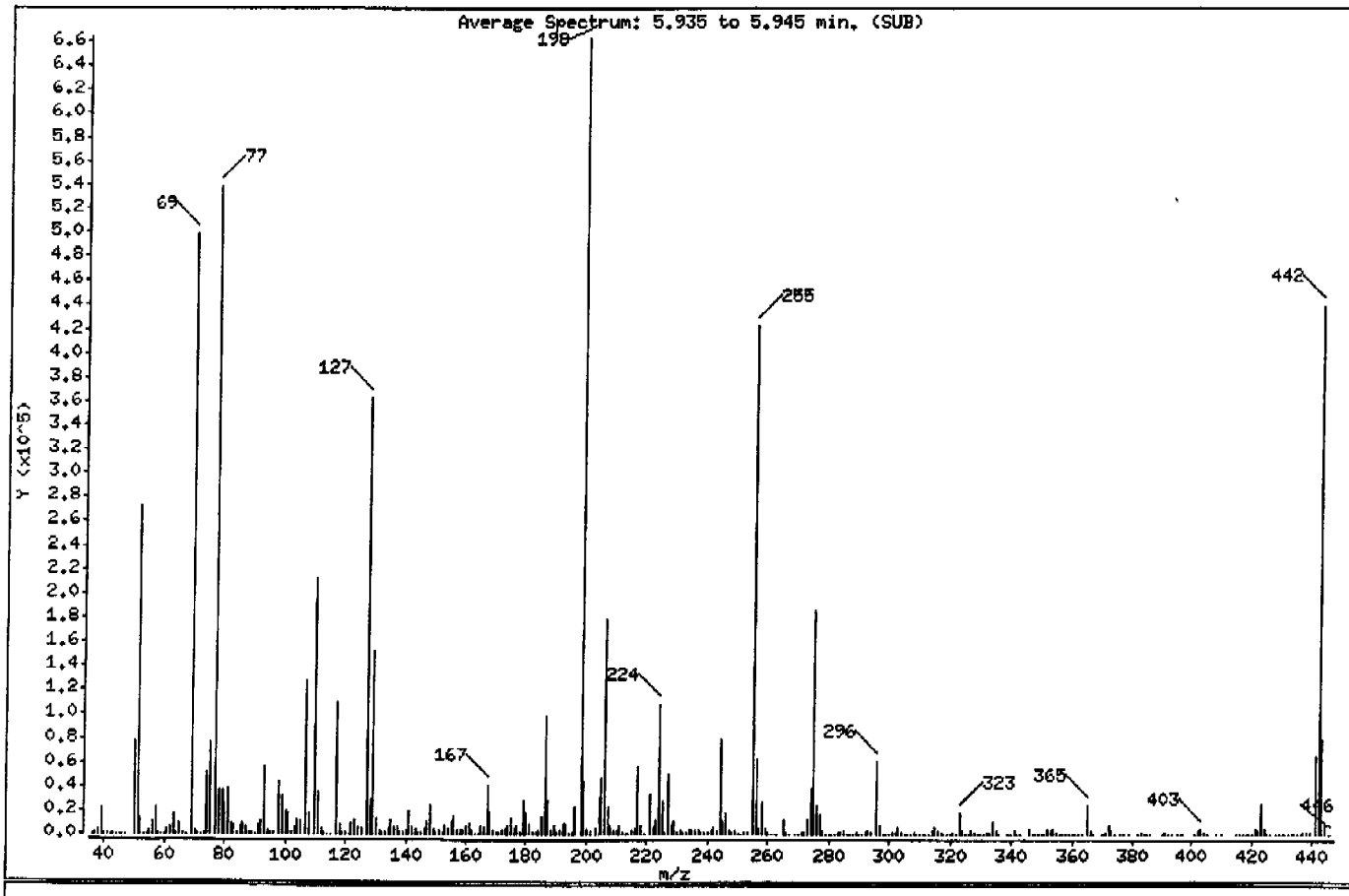
Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	41.06
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	75.17
70	Less than 2.00% of mass 69	0.54 (0.72)
127	40.00 - 60.00% of mass 198	54.61
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.70
275	10.00 - 30.00% of mass 198	28.12
365	Greater than 1.00% of mass 198	3.78
441	Present, but less than mass 443	9.78
442	Greater than 40.00% of mass 198	66.24
443	17.00 - 23.00% of mass 442	12.06 (18.20)

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40413a.b\6DF0413.D

Date : 13-APR-2004 08:07

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40413a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0413.D
Spectrum: Average Spectrum: 5.935 to 5.945 min. (SUB)
Location of Maximum: 198.00
Number of points: 368

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	315	138.00	1218	234.00	3116	331.00	198
37.00	1637	139.00	839	235.00	3556	332.00	1232
38.00	5137	140.00	2345	236.00	2498	333.00	2091
39.00	21720	141.00	20432	237.00	3716	334.00	9939
40.00	396	142.00	6469	238.00	1031	335.00	3204
41.00	1018	143.00	4169	239.00	1392	336.00	441
42.00	573	144.00	1127	240.00	1602	339.00	275
43.00	861	145.00	1014	241.00	2985	340.00	239
44.00	147	146.00	3893	242.00	6174	341.00	2384
45.00	615	147.00	10447	243.00	3322	342.00	489
46.00	33	148.00	24392	244.00	78832	343.00	112
47.00	173	149.00	5311	245.00	10182	346.00	4135
50.00	77760	150.00	1544	246.00	18744	347.00	641
51.00	272256	151.00	2610	247.00	3563	348.00	67
52.00	13420	152.00	1173	248.00	1077	349.00	47
53.00	639	153.00	6991	249.00	2480	350.00	60
54.00	203	154.00	4947	250.00	688	351.00	168
55.00	2901	155.00	10778	251.00	621	352.00	4794
56.00	10549	156.00	15660	252.00	963	353.00	3072
57.00	22848	157.00	2677	253.00	2192	354.00	4985
58.00	1256	158.00	3388	255.00	422208	355.00	1109
59.00	290	159.00	2776	256.00	62440	356.00	74
60.00	210	160.00	6967	257.00	4860	357.00	90
61.00	4968	161.00	8942	258.00	26936	358.00	117
62.00	6356	162.00	2708	259.00	4019	359.00	257
63.00	17160	163.00	528	260.00	777	360.00	146
64.00	2011	164.00	414	261.00	546	361.00	171
65.00	8898	165.00	7008	262.00	290	362.00	100
66.00	892	166.00	6012	263.00	427	363.00	137
67.00	407	167.00	40440	265.00	11785	365.00	25072
69.00	498496	168.00	17568	266.00	1825	366.00	3662
70.00	3585	169.00	3546	267.00	428	367.00	404
71.00	808	170.00	1610	269.00	210	370.00	691
72.00	192	171.00	2206	270.00	635	371.00	1251
73.00	2092	172.00	3492	271.00	1826	372.00	8215

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40413a.b\6DF0413.D

Date : 13-APR-2004 08:07

Client ID:

Instrument: a4hp6.i

Sample Info: dftpp,40413a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

Data File: 6DF0413.D
Spectrum: Average Spectrum: 5.935 to 5.945 min. (SUB)
Location of Maximum: 198.00
Number of points: 368

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	51512	173.00	4241	272.00	1507	373.00	2302
75.00	76512	174.00	7923	273.00	12792	374.00	294
77.00	537664	175.00	13865	274.00	37448	376.00	145
78.00	36400	176.00	4160	275.00	186496	377.00	242
79.00	36568	177.00	7627	276.00	24664	379.00	31
80.00	26072	178.00	1830	277.00	17080	382.00	67
81.00	37656	179.00	28944	278.00	2615	383.00	2189
82.00	8521	180.00	18416	279.00	720	384.00	666
83.00	8178	181.00	8606	280.00	161	385.00	170
84.00	1356	182.00	1584	281.00	141	386.00	34
85.00	6301	183.00	943	282.00	184	390.00	660
86.00	9741	184.00	2639	283.00	2188	391.00	906
87.00	5344	185.00	14753	284.00	1275	392.00	368
88.00	1413	186.00	99304	285.00	2825	393.00	37
89.00	780	187.00	28240	286.00	710	395.00	30
90.00	44	188.00	3093	287.00	52	396.00	53
91.00	8231	189.00	7031	288.00	158	397.00	88
92.00	10848	190.00	1137	289.00	811	401.00	688
93.00	56600	191.00	3117	290.00	711	402.00	2879
94.00	3697	192.00	8944	291.00	563	403.00	3861
95.00	896	193.00	9713	292.00	777	404.00	1269
96.00	2161	194.00	2132	293.00	3807	405.00	215
98.00	44960	195.00	1801	294.00	1245	408.00	58
99.00	32640	196.00	22880	296.00	61064	410.00	131
100.00	19240	198.00	663168	297.00	8076	415.00	239
101.00	18592	199.00	44456	298.00	543	416.00	30
102.00	983	200.00	3925	299.00	277	417.00	40
103.00	5734	201.00	2798	300.00	94	418.00	46
104.00	11869	203.00	6175	301.00	883	419.00	81
105.00	10254	204.00	30288	302.00	938	420.00	182
107.00	128336	205.00	47968	303.00	6507	421.00	3871
108.00	18928	206.00	178432	304.00	1618	422.00	2620
110.00	211392	207.00	23296	305.00	265	423.00	26152
111.00	34600	208.00	7353	306.00	72	424.00	4989
112.00	4118	209.00	2424	307.00	232	425.00	301

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40413a.b\6DF0413.D

Date : 13-APR-2004 08:07

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40413a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0413.D
Spectrum: Average Spectrum: 5.935 to 5.945 min. (SUB)
Location of Maximum: 198.00
Number of points: 368

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	1318	210.00	3143	308.00	779	426.00	248
114.00	576	211.00	6987	309.00	540	428.00	61
115.00	296	212.00	1601	310.00	531	429.00	80
117.00	109680	213.00	680	311.00	187	430.00	37
118.00	7714	214.00	85	312.00	254	431.00	283
119.00	1180	215.00	2717	313.00	400	432.00	301
120.00	1526	216.00	4135	314.00	2652	433.00	204
121.00	550	217.00	56296	315.00	6557	434.00	274
122.00	8508	218.00	7858	316.00	3317	435.00	288
123.00	12180	219.00	678	317.00	804	436.00	487
124.00	5539	221.00	33224	318.00	110	437.00	924
125.00	4877	222.00	5413	319.00	329	438.00	998
127.00	362112	223.00	12882	320.00	290	439.00	1490
128.00	29560	224.00	108480	321.00	1574	441.00	64848
129.00	163024	225.00	27848	322.00	707	442.00	439232
130.00	13569	226.00	1082	323.00	17584	443.00	79944
131.00	2323	227.00	50472	324.00	3258	444.00	7335
132.00	1198	228.00	7756	325.00	495	445.00	426
133.00	886	229.00	11218	326.00	173	446.00	59
134.00	4166	230.00	1458	327.00	3050		
135.00	11697	231.00	3778	328.00	1595		
136.00	5348	232.00	988	329.00	442		
137.00	6373	233.00	1112	330.00	87		

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40413a.b\6DF0413.D

Date : 13-APR-2004 08:07

Client ID:

Instrument: a4hp6.i

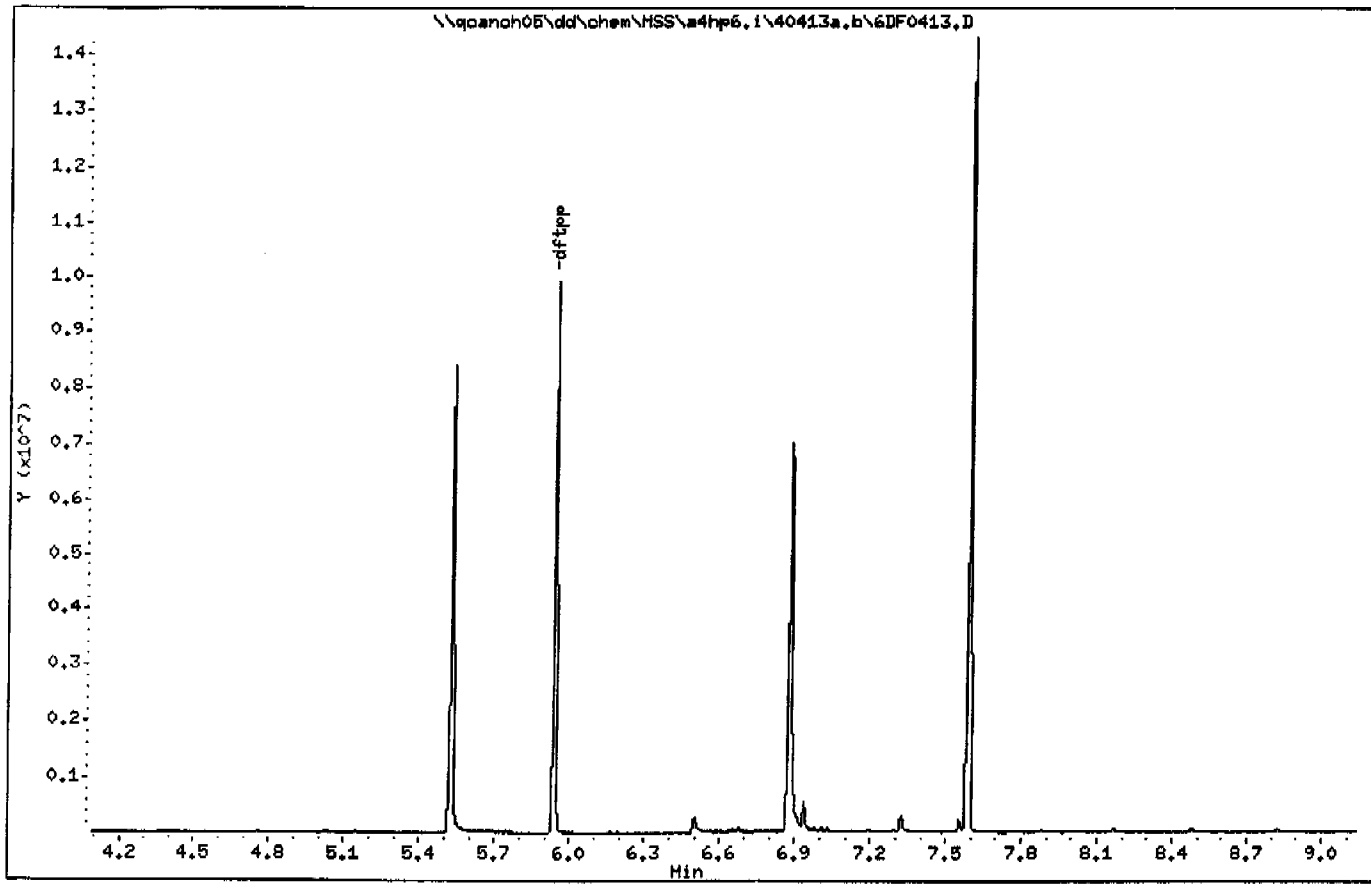
Sample Info: dftpp,40413a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00



Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\6DF0414.D

Date : 14-APR-2004 07:34

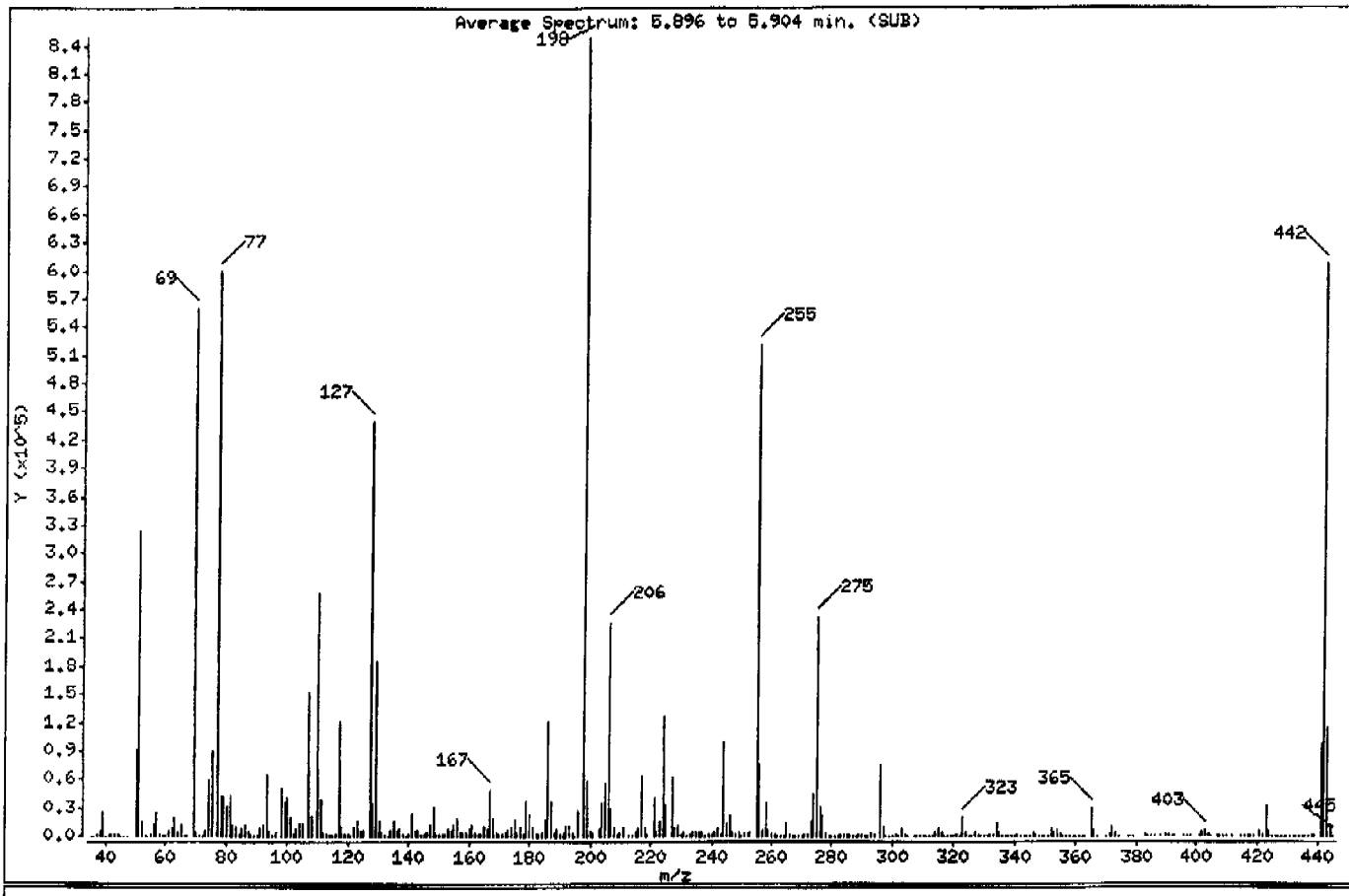
Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40414a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.07
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	66.02
70	Less than 2.00% of mass 69	0.53 (0.81)
127	40.00 - 60.00% of mass 198	51.82
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.86
275	10.00 - 30.00% of mass 198	27.33
365	Greater than 1.00% of mass 198	3.54
441	Present, but less than mass 443	11.42
442	Greater than 40.00% of mass 198	71.64
443	17.00 - 23.00% of mass 442	13.56 (18.95)

Date : 14-APR-2004 07:34

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40414a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0414.D
Spectrum: Average Spectrum: 5.896 to 5.904 min. (SUB)
Location of Maximum: 198.00
Number of points: 375

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	145	137.00	7304	236.00	3525	333.00	1928
36.00	8	138.00	1315	237.00	4807	334.00	13817
37.00	1571	139.00	961	238.00	808	335.00	3829
38.00	5396	140.00	2526	239.00	2801	336.00	430
39.00	25976	141.00	24272	240.00	2084	337.00	123
40.00	41	142.00	6239	241.00	3821	338.00	51
41.00	2427	143.00	5362	242.00	7234	339.00	346
42.00	1292	144.00	1509	243.00	2494	340.00	420
43.00	1227	145.00	991	244.00	100248	341.00	2244
44.00	1310	146.00	4465	245.00	14523	342.00	797
45.00	506	147.00	12450	246.00	22072	343.00	113
46.00	98	148.00	30512	247.00	4373	344.00	38
47.00	265	149.00	4804	248.00	1112	345.00	91
50.00	90768	150.00	1342	249.00	3613	346.00	4359
51.00	323136	151.00	2831	250.00	607	347.00	983
52.00	16285	152.00	1990	251.00	1145	348.00	230
53.00	726	153.00	8256	252.00	1600	349.00	37
54.00	451	154.00	5767	253.00	3019	350.00	327
55.00	2582	155.00	12190	255.00	520320	351.00	173
56.00	12665	156.00	17704	256.00	75968	352.00	7283
57.00	26016	157.00	3673	257.00	6644	353.00	4298
58.00	1554	158.00	3764	258.00	34520	354.00	5758
59.00	222	159.00	2975	259.00	5759	355.00	1066
60.00	475	160.00	8348	260.00	1202	356.00	229
61.00	5673	161.00	10802	261.00	991	357.00	45
62.00	7296	162.00	3134	262.00	150	358.00	326
63.00	19088	163.00	1061	263.00	428	359.00	519
64.00	3030	164.00	1127	264.00	788	360.00	51
65.00	10958	165.00	9048	265.00	12736	361.00	217
66.00	855	166.00	7223	266.00	1733	362.00	255
67.00	524	167.00	48080	267.00	151	363.00	341
69.00	560448	168.00	20432	268.00	510	365.00	30080
70.00	4523	169.00	4171	269.00	334	366.00	5182
71.00	765	170.00	1763	270.00	941	367.00	337
72.00	380	171.00	2184	271.00	1725	370.00	971

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\6DF0414.D

Date : 14-APR-2004 07:34

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40414a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0414.D
Spectrum: Average Spectrum: 5.896 to 5.904 min. (SUB)
Location of Maximum: 198.00
Number of points: 375

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	5447	172.00	4148	272.00	1060	371.00	1257
74.00	59736	173.00	5244	273.00	15763	372.00	10410
75.00	90264	174.00	10248	274.00	44664	373.00	3156
77.00	598592	175.00	18032	275.00	232064	374.00	79
78.00	43216	176.00	4814	276.00	30888	377.00	333
79.00	42880	177.00	9579	277.00	21968	378.00	184
80.00	31008	178.00	1088	278.00	3142	379.00	45
81.00	42176	179.00	36376	279.00	614	383.00	2817
82.00	11321	180.00	23128	280.00	77	384.00	506
83.00	10288	181.00	10483	281.00	176	385.00	122
84.00	1039	182.00	1856	282.00	600	386.00	41
85.00	7468	183.00	1253	283.00	2127	388.00	62
86.00	11857	184.00	3548	284.00	1502	390.00	1351
87.00	5783	185.00	18360	285.00	2852	391.00	1279
88.00	2539	186.00	120120	286.00	983	392.00	648
89.00	782	187.00	36600	287.00	141	393.00	53
90.00	135	188.00	3294	288.00	358	396.00	172
91.00	8709	189.00	7946	289.00	1029	397.00	59
92.00	11022	190.00	1201	290.00	1289	398.00	69
93.00	64336	191.00	4275	291.00	801	401.00	479
94.00	5209	192.00	10859	292.00	966	402.00	3582
95.00	727	193.00	11515	293.00	4211	403.00	4892
96.00	3159	194.00	3160	294.00	1516	404.00	1941
98.00	50528	195.00	803	296.00	74928	405.00	150
99.00	37392	196.00	26800	297.00	9636	407.00	83
100.00	41344	198.00	849024	298.00	570	408.00	59
101.00	20360	199.00	58264	299.00	103	409.00	38
102.00	1577	200.00	4895	300.00	68	410.00	58
103.00	6988	201.00	4395	301.00	1108	412.00	48
104.00	13388	203.00	7421	302.00	789	415.00	486
105.00	12881	204.00	36056	303.00	7264	416.00	64
107.00	151296	205.00	56512	304.00	2371	417.00	79
108.00	22304	206.00	227136	305.00	345	418.00	64
110.00	257536	207.00	30048	307.00	278	419.00	156
111.00	39864	208.00	8950	308.00	697	421.00	5260

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\6DF0414.D

Date : 14-APR-2004 07:34

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40414a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0414.D
Spectrum: Average Spectrum: 5.896 to 5.904 min. (SUB)
Location of Maximum: 198.00
Number of points: 375

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	4422	209.00	1940	309.00	617	422.00	1571
113.00	1568	210.00	4127	310.00	734	423.00	33456
114.00	984	211.00	10242	311.00	150	424.00	6127
115.00	691	213.00	670	312.00	191	425.00	866
116.00	1443	214.00	355	313.00	595	426.00	157
117.00	121976	215.00	3093	314.00	3567	427.00	112
118.00	8966	216.00	7079	315.00	7470	428.00	203
119.00	1111	217.00	64488	316.00	4486	429.00	89
120.00	1809	218.00	9344	317.00	652	430.00	170
121.00	86	219.00	1079	318.00	112	431.00	260
122.00	9830	221.00	40480	319.00	247	432.00	330
123.00	15817	222.00	3971	320.00	183	433.00	345
124.00	6479	223.00	14817	321.00	2163	434.00	565
125.00	6179	224.00	127816	322.00	475	435.00	562
127.00	439936	225.00	32656	323.00	19624	436.00	808
128.00	35584	227.00	61616	324.00	3866	437.00	371
129.00	185152	228.00	8132	325.00	311	438.00	1911
130.00	15434	229.00	11495	326.00	489	439.00	1660
131.00	3092	230.00	1609	327.00	4030	441.00	96928
132.00	1719	231.00	3892	328.00	2195	442.00	607424
133.00	819	232.00	913	329.00	311	443.00	115096
134.00	5344	233.00	1295	330.00	40	444.00	9402
135.00	15071	234.00	3474	331.00	200	445.00	465
136.00	5914	235.00	4215	332.00	2029		

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\6DF0414.D

Date : 14-APR-2004 07:34

Client ID:

Instrument: a4hp6.i

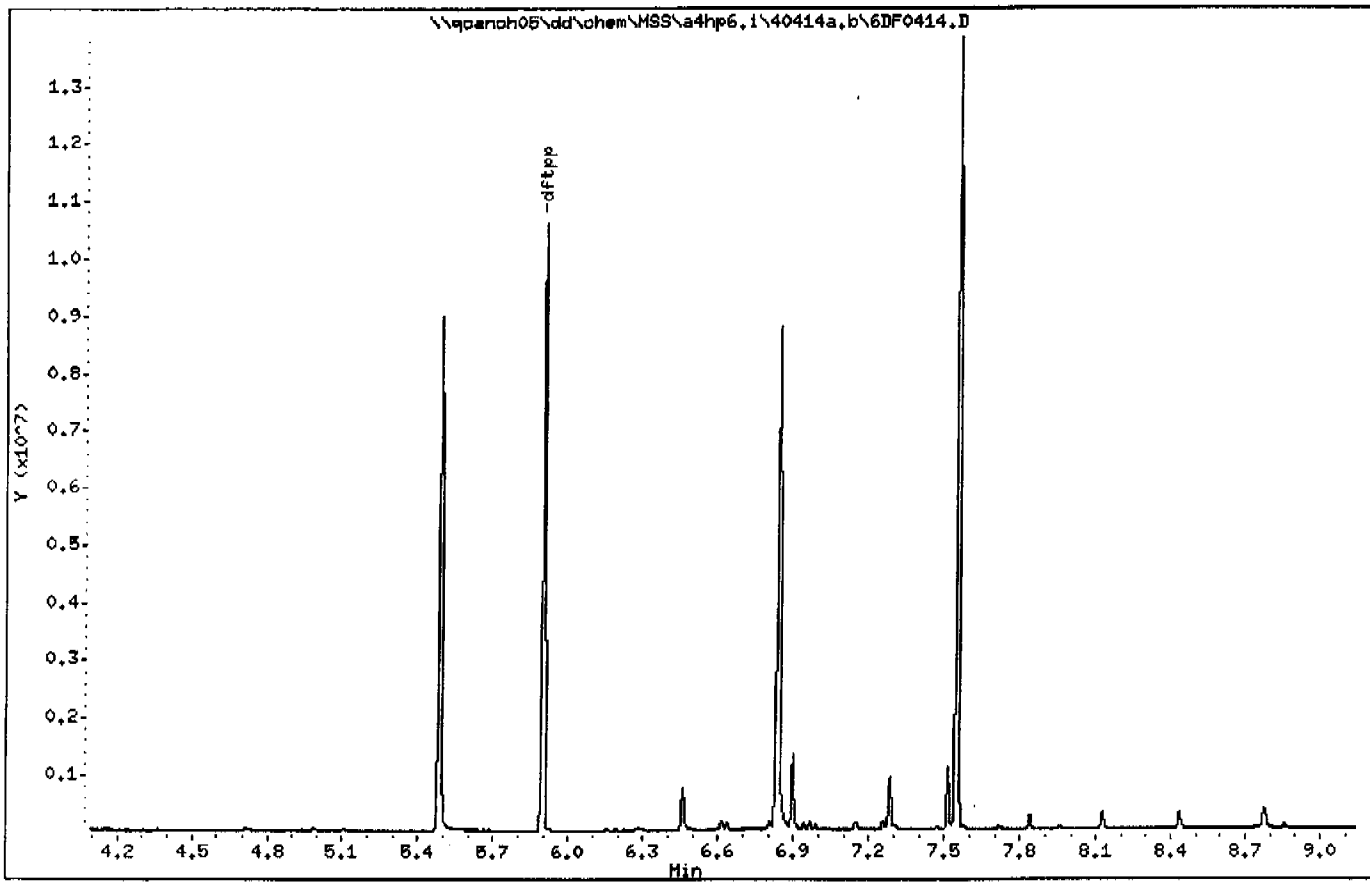
Sample Info: dftpp,40414a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00



Data File: \\qoanoh05\dd\chem\MSS\a4hp6.i\40415a.b\6DF0415.D

Date : 15-APR-2004 08:38

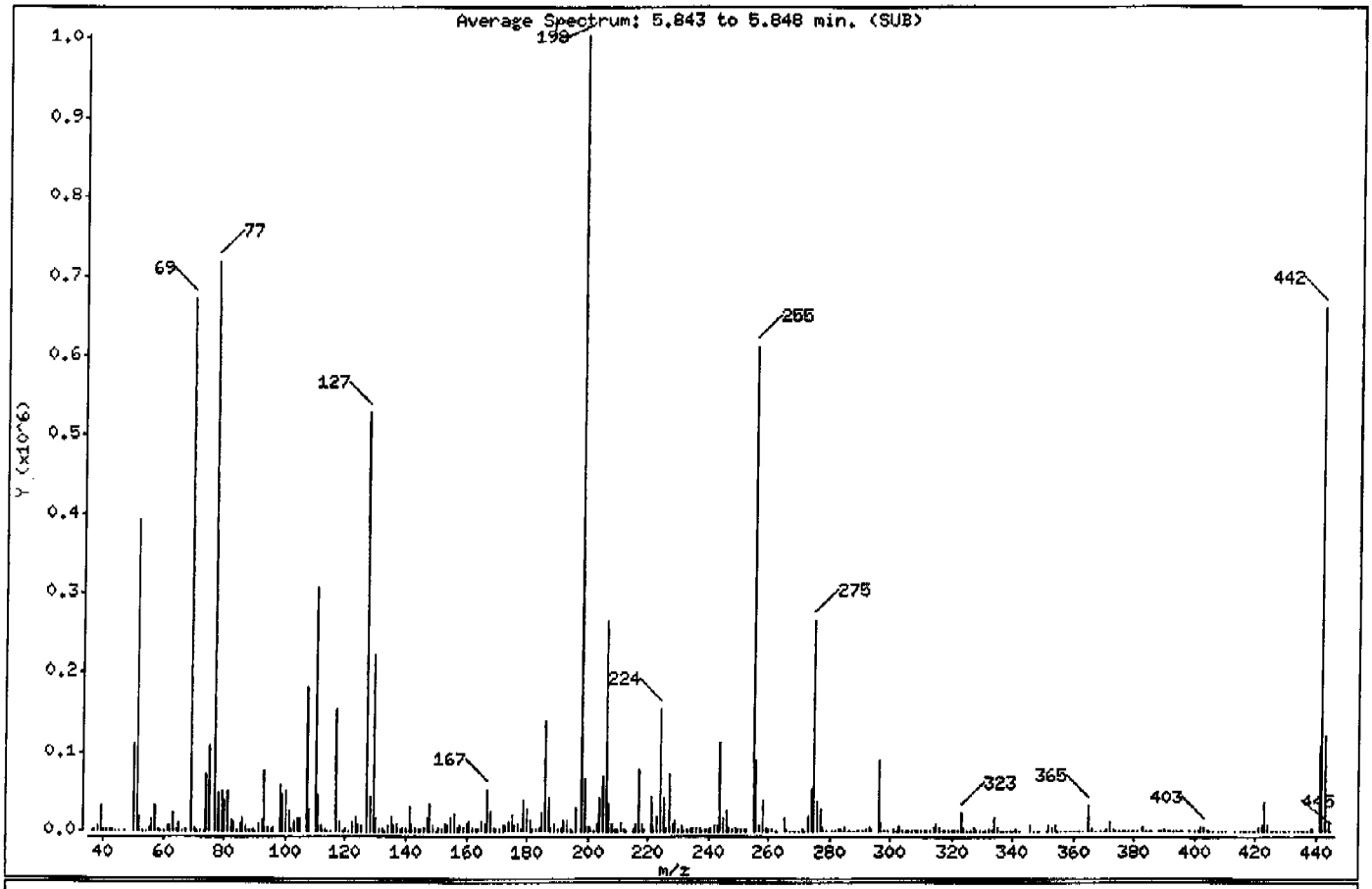
Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40415a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.06
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	66.90
70	Less than 2.00% of mass 69	0.40 (0.60)
127	40.00 - 60.00% of mass 198	52.57
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.69
275	10.00 - 30.00% of mass 198	26.52
365	Greater than 1.00% of mass 198	3.33
441	Present, but less than mass 443	10.88
442	Greater than 40.00% of mass 198	65.82
443	17.00 - 23.00% of mass 442	12.16 (18.47)

Data File: \\qoanoh05\dd\chem\MSS\a4hp6.i\40415a.b\6DF0415.D

Date : 15-APR-2004 08:38

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40415a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0415.D
Spectrum: Average Spectrum: 5.843 to 5.848 min. (SUB)
Location of Maximum: 198.00
Number of points: 376

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	399	141.00	29048	239.00	3345	339.00	637
37.00	2346	142.00	9849	240.00	1839	340.00	280
38.00	6958	143.00	4981	241.00	3858	341.00	2395
39.00	31768	144.00	2118	242.00	7935	342.00	1021
40.00	1810	145.00	1909	243.00	6550	346.00	5906
41.00	2761	146.00	5624	244.00	112432	347.00	822
42.00	1600	147.00	16184	245.00	15239	348.00	91
43.00	2137	148.00	35432	246.00	25624	349.00	249
44.00	504	149.00	6944	247.00	5178	351.00	145
45.00	776	150.00	1057	248.00	1387	352.00	7593
47.00	92	151.00	4308	249.00	4915	353.00	4222
50.00	109880	152.00	2204	250.00	1256	354.00	6884
51.00	391936	153.00	9645	251.00	1342	355.00	1149
52.00	18880	154.00	6152	252.00	1273	356.00	160
53.00	1142	155.00	16351	253.00	3443	357.00	50
54.00	363	156.00	20792	255.00	611968	358.00	352
55.00	3477	157.00	4356	256.00	89304	359.00	298
56.00	15354	158.00	6060	257.00	6711	360.00	101
57.00	31632	159.00	4160	258.00	40160	361.00	272
58.00	2294	160.00	8488	259.00	5197	362.00	226
59.00	234	161.00	11595	260.00	1446	363.00	107
60.00	264	162.00	3701	261.00	1225	365.00	33408
61.00	7498	163.00	1337	262.00	139	366.00	5373
62.00	7701	164.00	1940	263.00	262	367.00	96
63.00	23016	165.00	10770	265.00	15460	369.00	182
64.00	3311	166.00	9837	266.00	2757	370.00	440
65.00	12456	167.00	53160	267.00	294	371.00	1454
66.00	841	168.00	25144	268.00	146	372.00	10713
67.00	1165	169.00	4777	269.00	129	373.00	2456
69.00	671232	170.00	1886	270.00	938	374.00	35
70.00	4034	171.00	2567	271.00	1348	375.00	118
71.00	441	172.00	5821	272.00	1035	376.00	50
72.00	536	173.00	7038	273.00	17840	377.00	476
73.00	1044	174.00	11579	274.00	53960	378.00	109
74.00	70616	175.00	20608	275.00	266112	379.00	79

Data File: \\qcanch05\dd\chem\MSS\a4hp6.i\40415a.b\6DF0415.D

Date : 15-APR-2004 08:38

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40415a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0415.D
Spectrum: Average Spectrum: 5.843 to 5.848 min. (SUB)
Location of Maximum: 198.00
Number of points: 376

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	108392	176.00	6855	276.00	36328	380.00	59
77.00	717568	177.00	9562	277.00	26808	381.00	83
78.00	49000	178.00	2883	278.00	4765	383.00	3623
79.00	50488	179.00	39320	279.00	744	384.00	567
80.00	39152	180.00	27112	281.00	479	385.00	113
81.00	49688	181.00	12854	282.00	928	386.00	87
82.00	12960	182.00	2386	283.00	2696	388.00	94
83.00	11070	183.00	1258	284.00	2087	389.00	120
84.00	2455	184.00	4079	285.00	4078	390.00	1473
85.00	9408	185.00	22064	286.00	1068	391.00	872
86.00	16350	186.00	141824	287.00	76	392.00	793
87.00	7286	187.00	42256	288.00	240	393.00	186
88.00	2723	188.00	4966	289.00	1151	394.00	55
89.00	1326	189.00	10197	290.00	770	395.00	327
90.00	80	190.00	1551	291.00	829	396.00	68
91.00	10311	191.00	4588	292.00	1582	398.00	131
92.00	14223	192.00	12723	293.00	5711	400.00	155
93.00	77048	193.00	14571	294.00	1285	401.00	556
94.00	4974	194.00	3204	296.00	88840	402.00	4790
95.00	1942	195.00	410	297.00	10980	403.00	5461
96.00	3687	196.00	29960	298.00	782	404.00	1690
98.00	58304	198.00	1003456	299.00	7	405.00	411
99.00	45248	199.00	67152	301.00	1347	406.00	65
100.00	50560	200.00	5827	302.00	730	408.00	278
101.00	25368	201.00	4437	303.00	8042	409.00	58
102.00	1962	202.00	647	304.00	2570	410.00	345
103.00	10461	203.00	8119	305.00	348	413.00	117
104.00	16021	204.00	41496	306.00	145	415.00	434
105.00	15277	205.00	69568	307.00	61	416.00	52
107.00	181312	206.00	264384	308.00	1643	417.00	166
108.00	28392	207.00	34048	309.00	813	418.00	124
110.00	307200	208.00	9342	310.00	1065	419.00	313
111.00	46880	209.00	3337	311.00	550	420.00	135
112.00	6283	210.00	2530	312.00	662	421.00	5480
113.00	1503	211.00	11825	313.00	933	422.00	6059

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40415a.b\6DF0415.D

Date : 15-APR-2004 08:38

Client ID: Instrument: a4hp6.i

Sample Info: dftpp,40415a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 6DF0415.D
Spectrum: Average Spectrum: 5.843 to 5.848 min. (SUB)
Location of Maximum: 198.00
Number of points: 376

m/z	Y	m/z	Y	m/z	Y	m/z	Y
114.00	539	212.00	1253	314.00	4192	423.00	36296
115.00	307	213.00	517	315.00	9099	424.00	7721
117.00	153408	215.00	3283	316.00	5007	425.00	331
118.00	11785	216.00	8709	317.00	613	426.00	268
119.00	868	217.00	78384	318.00	315	427.00	186
120.00	2762	218.00	10012	319.00	239	428.00	173
121.00	260	219.00	1609	320.00	177	429.00	260
122.00	12357	221.00	44824	321.00	2378	430.00	151
123.00	17392	222.00	7632	322.00	976	431.00	448
124.00	8645	223.00	18984	323.00	23984	433.00	457
125.00	7598	224.00	155584	324.00	4441	434.00	573
127.00	527488	225.00	41216	325.00	126	435.00	397
128.00	44792	226.00	4322	326.00	811	436.00	820
129.00	221120	227.00	74232	327.00	4829	437.00	969
130.00	17256	228.00	10311	328.00	2179	438.00	1905
131.00	3243	229.00	13331	329.00	564	439.00	1365
132.00	2347	230.00	2608	330.00	59	441.00	109208
133.00	991	231.00	5907	331.00	202	442.00	660480
134.00	6871	232.00	970	332.00	1752	443.00	122024
135.00	17920	233.00	2080	333.00	2125	444.00	11013
136.00	6977	234.00	4457	334.00	15196	445.00	844
137.00	8502	235.00	5406	335.00	4727		
138.00	2292	236.00	3464	336.00	609		
139.00	1433	237.00	4777	337.00	55		
140.00	2246	238.00	853	338.00	72		

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40415a.b\6DF0415.D

Date : 15-APR-2004 08:38

Client ID:

Instrument: a4hp6.i

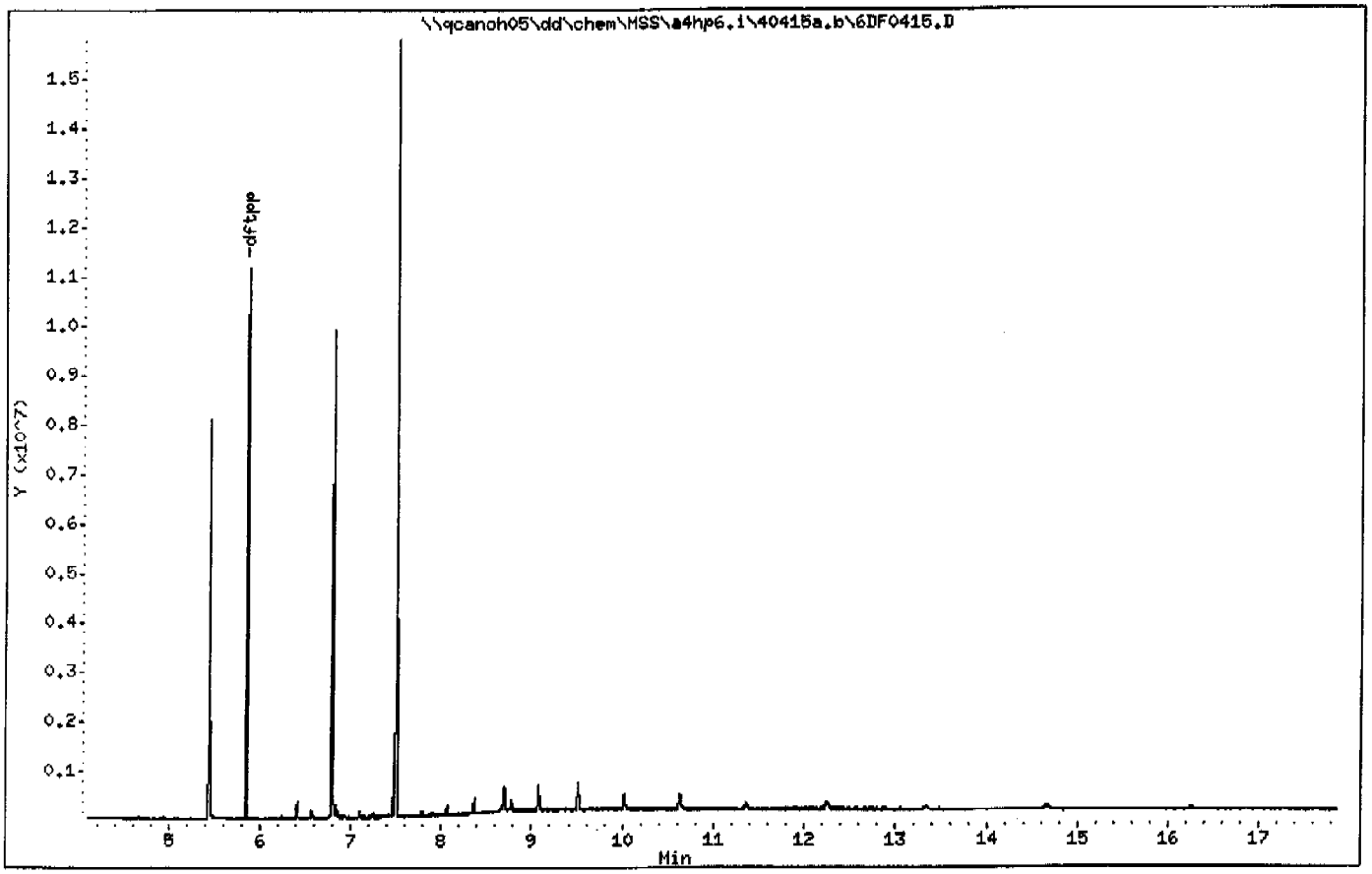
Sample Info: dftpp,40415a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00



4/08/04

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1DF0407.D

Date : 07-APR-2004 09:13

Client ID:

Instrument: a4hp10.i

Sample Info: 1DF0407,40407a,b,dftpp288.m

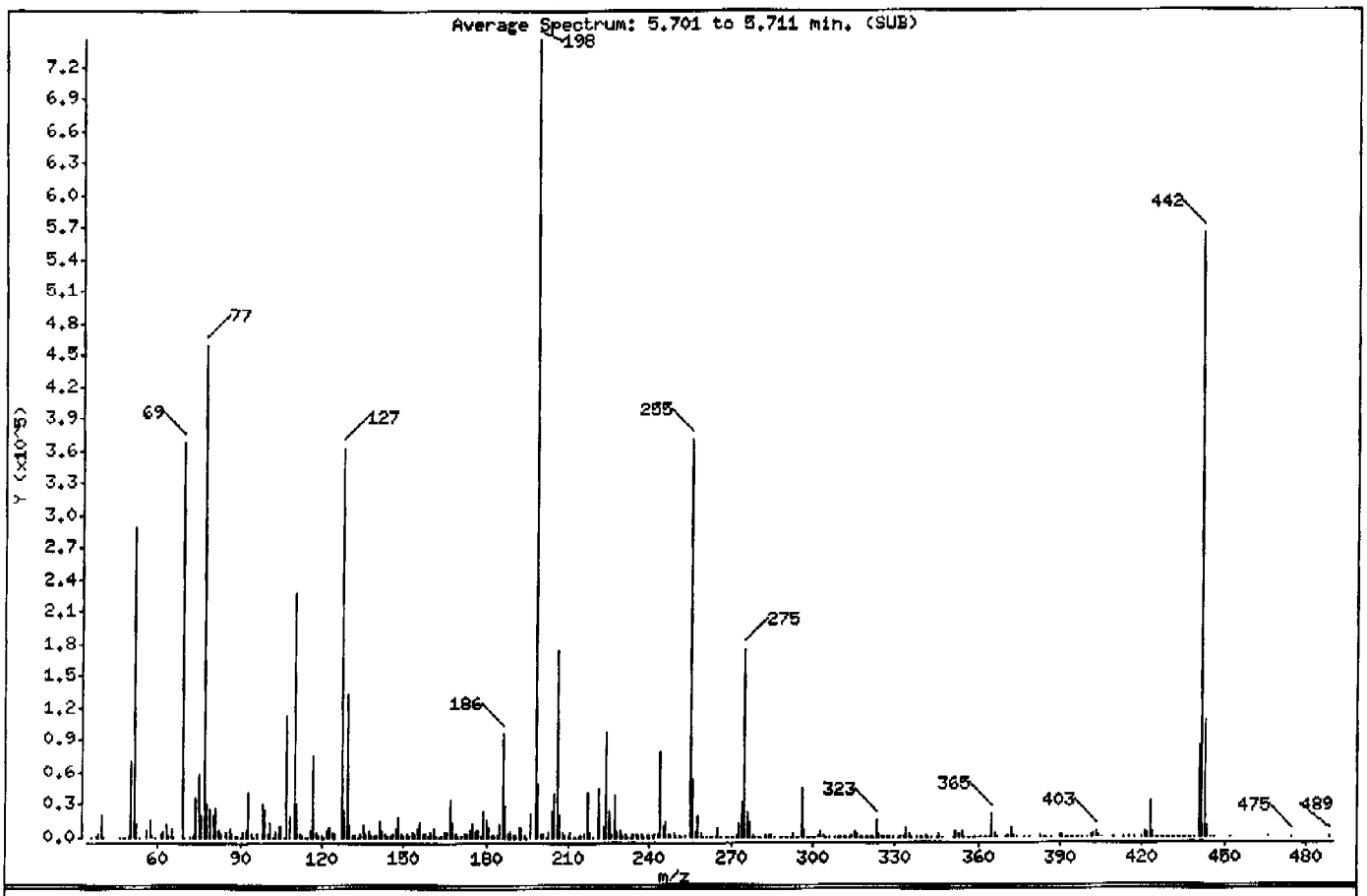
Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.80
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	49.39
70	Less than 2.00% of mass 69	0.04 (0.07)
127	40.00 - 60.00% of mass 198	48.72
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.78
275	10.00 - 30.00% of mass 198	23.41
365	Greater than 1.00% of mass 198	2.71
441	Present, but less than mass 443	11.17
442	Greater than 40.00% of mass 198	75.53
443	17.00 - 23.00% of mass 442	14.54 (19.25)

Data File: \\qoanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1DF0407.D

Date : 07-APR-2004 09:13

Client ID:

Instrument: a4hp10.i

Sample Info: 1DF0407,40407a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

Data File: 1DF0407.D
Spectrum: Average Spectrum: 5.701 to 5.711 min. (SUB)
Location of Maximum: 198.00
Number of points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	223	143.00	3616	238.00	603	336.00	185
37.00	1053	144.00	1143	239.00	912	338.00	63
38.00	3392	145.00	950	240.00	985	339.00	391
39.00	20648	146.00	2939	241.00	1956	340.00	207
40.00	466	147.00	8382	242.00	3890	341.00	1888
46.00	6	148.00	19400	243.00	2667	342.00	591
47.00	314	149.00	3869	244.00	78032	343.00	61
48.00	176	150.00	1411	245.00	11072	345.00	66
49.00	1802	151.00	3108	246.00	14482	346.00	3255
50.00	70928	152.00	1233	247.00	2955	347.00	692
51.00	289344	153.00	5618	248.00	877	351.00	425
52.00	14503	154.00	3935	249.00	3060	352.00	4422
53.00	476	155.00	8706	250.00	787	353.00	3449
56.00	6968	156.00	13702	251.00	879	354.00	4867
57.00	17712	157.00	2901	252.00	552	355.00	719
58.00	1032	158.00	3126	253.00	1890	356.00	155
59.00	370	159.00	2186	255.00	370752	357.00	77
61.00	3684	160.00	5484	256.00	53968	358.00	58
62.00	4438	161.00	7880	257.00	4435	359.00	503
63.00	12779	162.00	2351	258.00	19640	360.00	56
64.00	1862	163.00	329	259.00	3216	361.00	224
65.00	8334	164.00	1036	260.00	403	362.00	123
66.00	284	165.00	5749	261.00	755	363.00	138
69.00	368256	166.00	5308	262.00	87	364.00	65
70.00	263	167.00	34384	263.00	333	365.00	20200
72.00	600	168.00	14272	264.00	85	366.00	3212
73.00	2197	169.00	2868	265.00	8212	367.00	422
74.00	36344	170.00	991	266.00	546	370.00	478
75.00	59024	171.00	1382	268.00	132	371.00	1285
76.00	21280	172.00	3003	269.00	79	372.00	7838
77.00	459904	173.00	3227	270.00	585	373.00	2029
78.00	30272	174.00	6730	271.00	604	374.00	280
79.00	26208	175.00	13328	272.00	868	377.00	166
80.00	19752	176.00	5249	273.00	12189	379.00	53
81.00	27800	177.00	7105	274.00	31960	383.00	2442

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1DF0407.D

Date : 07-APR-2004 09:13

Client ID:

Instrument: a4hp10.i

Sample Info: 1DF0407,40407a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

Data File: 1DF0407.D
Spectrum: Average Spectrum: 5.701 to 5.711 min. (SUB)
Location of Maximum: 198.00
Number of points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	6865	178.00	1225	275.00	174528	384.00	829
83.00	2606	179.00	23592	276.00	22792	385.00	223
85.00	5128	180.00	16512	277.00	13904	387.00	96
86.00	8008	181.00	8978	278.00	1886	390.00	1017
87.00	3965	182.00	1040	279.00	199	391.00	966
88.00	903	183.00	956	280.00	316	392.00	736
89.00	1225	184.00	2472	281.00	261	393.00	61
90.00	8	185.00	12435	283.00	1585	394.00	50
91.00	5688	186.00	96088	284.00	1020	395.00	154
92.00	7005	187.00	28400	285.00	2489	396.00	108
93.00	41424	188.00	2768	286.00	487	397.00	222
94.00	3046	189.00	5723	288.00	58	398.00	55
95.00	168	190.00	950	289.00	735	400.00	58
96.00	2587	191.00	2409	290.00	364	401.00	952
98.00	30024	192.00	6238	291.00	471	402.00	3649
99.00	24968	193.00	8200	292.00	668	403.00	5170
100.00	3881	194.00	1702	293.00	2980	404.00	1521
101.00	13930	195.00	398	294.00	764	405.00	287
102.00	397	196.00	23024	295.00	250	409.00	52
103.00	5248	198.00	745664	296.00	43872	410.00	15
104.00	9726	199.00	50560	297.00	6165	413.00	57
105.00	9611	200.00	3495	298.00	712	415.00	166
106.00	305	201.00	3198	299.00	69	417.00	51
107.00	113944	202.00	293	300.00	113	420.00	93
108.00	18208	203.00	4731	301.00	429	421.00	4347
110.00	228480	204.00	24352	302.00	900	422.00	3799
111.00	31520	205.00	41272	303.00	5070	423.00	32048
112.00	3519	206.00	174720	304.00	1770	424.00	5742
113.00	1085	207.00	20464	305.00	394	425.00	614
114.00	404	208.00	5185	306.00	54	426.00	124
115.00	412	209.00	1726	308.00	274	427.00	165
116.00	6264	210.00	1759	309.00	320	428.00	58
117.00	75888	211.00	4959	310.00	483	429.00	169
118.00	5969	212.00	19	311.00	49	430.00	58
119.00	1138	213.00	231	312.00	281	431.00	157

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a,b\1DF0407.D

Date : 07-APR-2004 09:13

Client ID:

Instrument: a4hp10.i

Sample Info: 1DF0407,40407a,b,dftpp288,m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

Data File: 1DF0407.D
Spectrum: Average Spectrum: 5.701 to 5.711 min. (SUB)
Location of Maximum: 198.00
Number of points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	1221	214.00	344	313.00	357	432.00	63
121.00	596	215.00	2123	314.00	2366	433.00	273
122.00	7109	216.00	3931	315.00	4740	434.00	166
123.00	11034	217.00	41632	316.00	2826	435.00	145
124.00	4330	218.00	5399	317.00	714	436.00	554
125.00	3866	219.00	540	318.00	77	437.00	374
127.00	363264	221.00	44512	319.00	130	438.00	224
128.00	26072	223.00	10262	320.00	155	439.00	246
129.00	133568	224.00	97496	321.00	1315	441.00	83288
130.00	11568	225.00	24616	322.00	738	442.00	563200
131.00	2112	226.00	2647	323.00	15146	443.00	108432
132.00	1131	227.00	39680	324.00	2593	444.00	10444
133.00	105	228.00	5165	325.00	550	445.00	655
134.00	3258	229.00	7211	326.00	583	446.00	63
135.00	11162	230.00	1093	327.00	2166	452.00	52
136.00	3970	231.00	3545	328.00	1284	466.00	56
137.00	6274	232.00	534	329.00	458	475.00	64
138.00	1347	233.00	567	331.00	80	489.00	51
139.00	887	234.00	2752	332.00	1107		
140.00	1555	235.00	2909	333.00	1670		
141.00	15780	236.00	1895	334.00	9361		
142.00	6016	237.00	3364	335.00	3186		

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40407a.b\1DF0407.D

Date : 07-APR-2004 09:13

Client ID:

Instrument: a4hp10.i

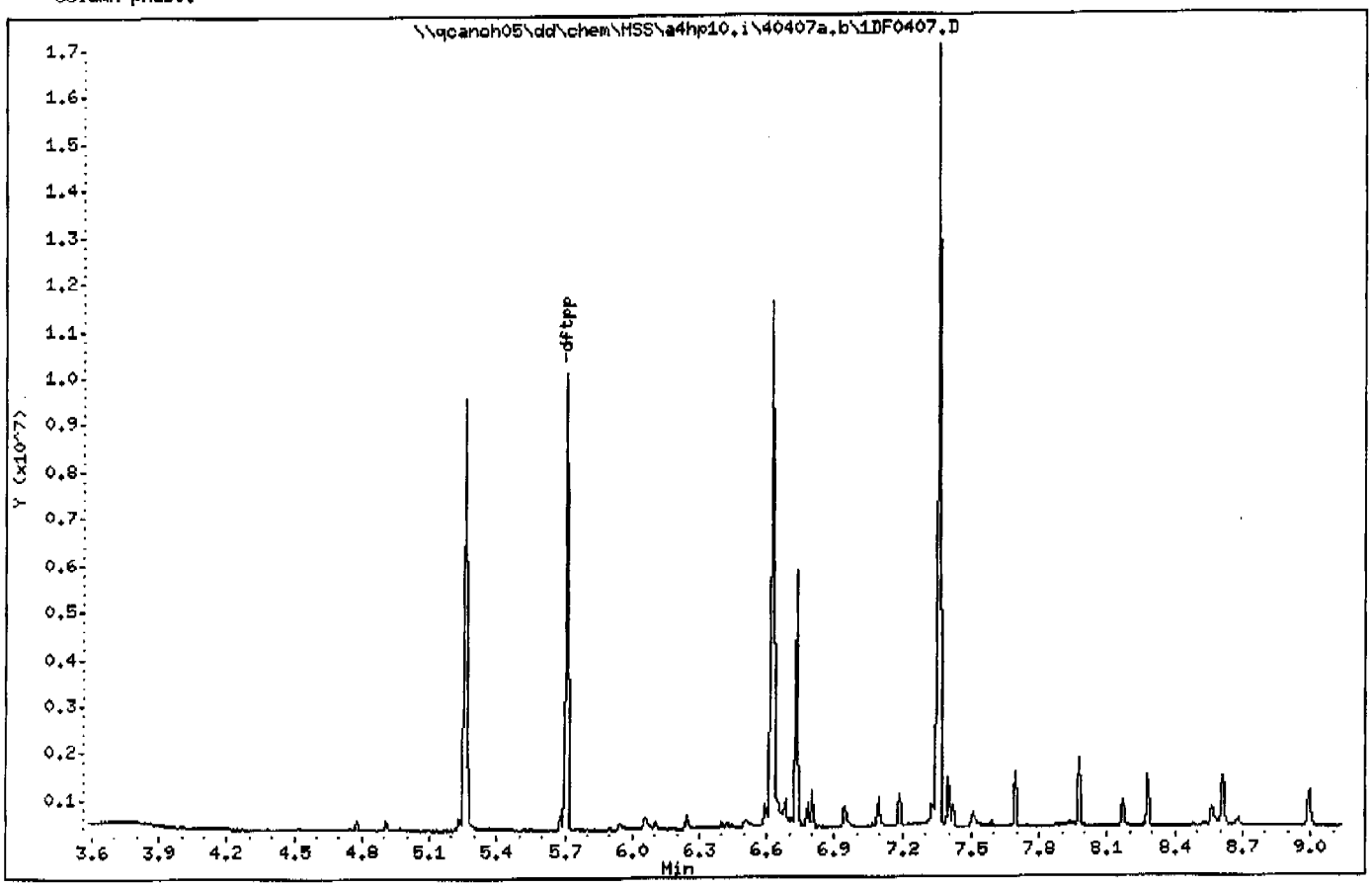
Sample Info: 1DF0407,40407a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00



Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\1DF0408.D

Page 2

Date : 08-APR-2004 07:56

Client ID:

Instrument: a4hp10.i

Sample Info: 1df0408,40408a.b,dftpp288.m

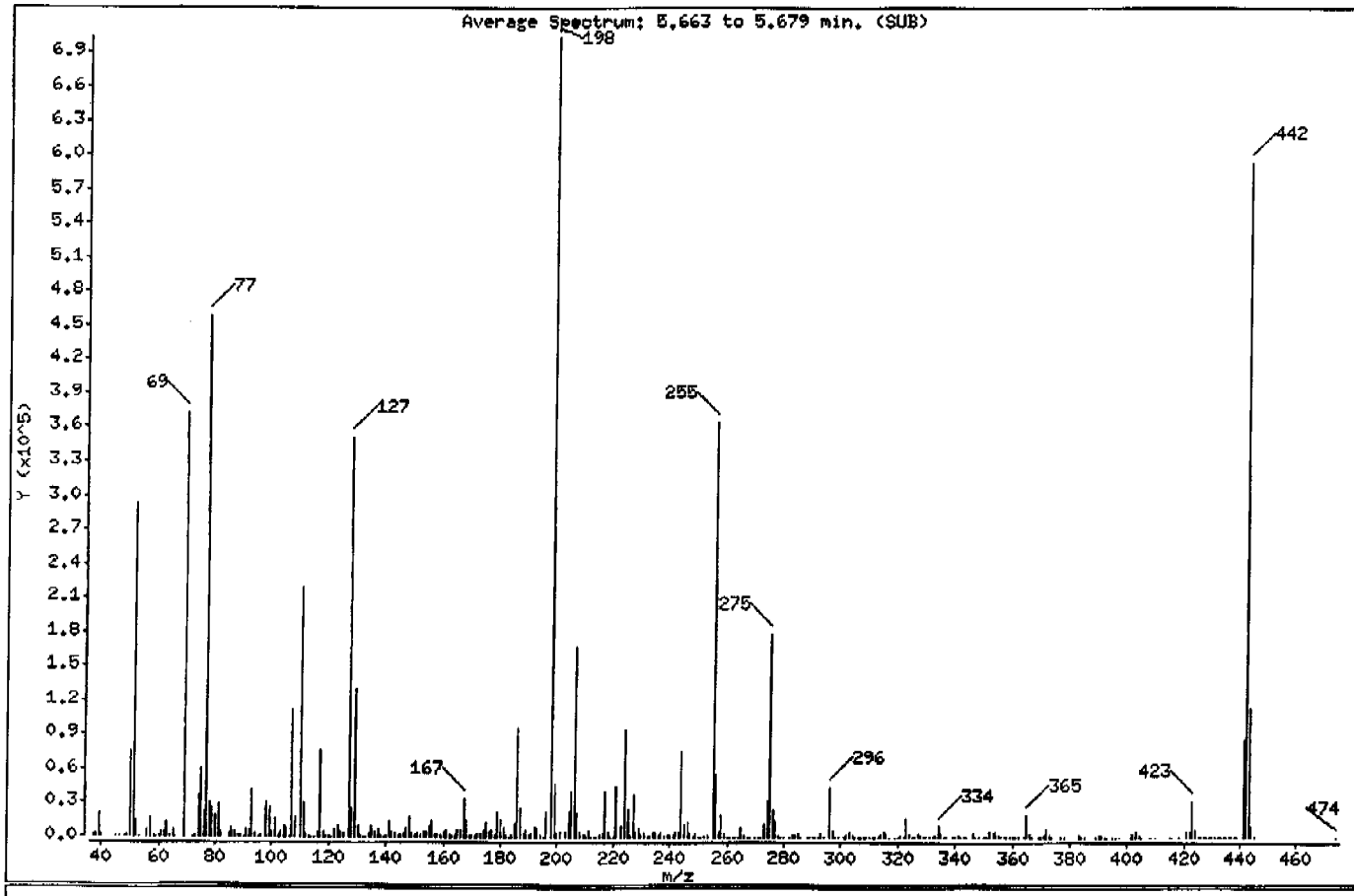
Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	41.58
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	52.81
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	49.97
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.62
275	10.00 - 30.00% of mass 198	25.27
365	Greater than 1.00% of mass 198	2.68
441	Present, but less than mass 443	12.12
442	Greater than 40.00% of mass 198	84.06
443	17.00 - 23.00% of mass 442	16.07 (19.11)

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\1DF0408.D

Date : 08-APR-2004 07:56

Client ID: Instrument: a4hp10.i

Sample Info: 1df0408,40408a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 1DF0408.D
Spectrum: Average Spectrum: 5.663 to 5.679 min. (SUB)
Location of Maximum: 198.00
Number of points: 355

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1045	142.00	5281	234.00	2609	330.00	106
38.00	3444	143.00	3372	235.00	2607	331.00	53
39.00	20480	144.00	1313	236.00	2214	332.00	727
40.00	823	145.00	1072	237.00	3152	333.00	1418
45.00	462	146.00	3535	238.00	1012	334.00	9727
46.00	57	147.00	8186	239.00	1449	335.00	2476
48.00	172	148.00	17968	240.00	1187	336.00	396
49.00	2181	149.00	3660	241.00	2351	337.00	56
50.00	73880	150.00	1206	242.00	5016	339.00	252
51.00	292608	151.00	2472	243.00	5511	340.00	226
52.00	14800	152.00	2056	244.00	75712	341.00	1610
53.00	266	153.00	4878	245.00	10786	342.00	361
56.00	5929	154.00	4452	246.00	13368	343.00	40
57.00	16366	155.00	9609	247.00	2713	344.00	40
58.00	993	156.00	14134	248.00	777	346.00	3184
59.00	251	157.00	2955	249.00	2764	347.00	589
60.00	250	158.00	3339	250.00	603	348.00	150
61.00	4270	159.00	2362	251.00	551	350.00	147
62.00	4835	160.00	4753	252.00	961	351.00	371
63.00	13713	161.00	6823	253.00	1806	352.00	4792
64.00	1722	162.00	2320	255.00	364480	353.00	3187
65.00	7092	163.00	963	256.00	54664	354.00	5195
66.00	157	164.00	1301	257.00	4928	355.00	1113
69.00	371584	165.00	6682	258.00	19304	356.00	158
72.00	128	166.00	5683	259.00	3080	357.00	38
73.00	2275	167.00	34720	260.00	567	358.00	97
74.00	36640	168.00	15253	261.00	735	359.00	335
75.00	59704	169.00	2342	262.00	235	360.00	139
76.00	22344	170.00	1272	263.00	206	361.00	40
77.00	458496	171.00	1660	264.00	402	362.00	62
78.00	31088	172.00	2969	265.00	7853	364.00	163
79.00	26440	173.00	3824	266.00	1252	365.00	18832
80.00	19824	174.00	6733	267.00	137	366.00	2819
81.00	28568	175.00	12761	268.00	100	367.00	320
82.00	5561	176.00	4080	270.00	303	369.00	38

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\1DF0408.D

Date : 09-APR-2004 07:56

Client ID: Instrument: a4hp10.i

Sample Info: 1df0408,40408a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 1DF0408.D
Spectrum: Average Spectrum: 5.663 to 5.679 min. (SUB)
Location of Maximum: 198.00
Number of points: 355

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	3943	177.00	6458	271.00	766	370.00	426
86.00	7912	178.00	2224	272.00	526	371.00	1411
87.00	4199	179.00	22712	273.00	11966	372.00	8240
88.00	1438	180.00	16178	274.00	32016	373.00	2007
89.00	1041	181.00	7622	275.00	177792	374.00	237
90.00	207	182.00	1500	276.00	24336	377.00	175
91.00	6834	183.00	715	277.00	14611	378.00	96
92.00	6925	184.00	1893	278.00	2213	383.00	1994
93.00	41536	185.00	12150	279.00	623	384.00	755
94.00	2925	186.00	95328	280.00	133	385.00	118
95.00	227	187.00	25672	282.00	477	389.00	46
96.00	1264	188.00	2921	283.00	1635	390.00	1112
98.00	30936	189.00	5672	284.00	1030	391.00	910
99.00	25688	190.00	1036	285.00	2879	392.00	618
100.00	5103	191.00	2888	286.00	541	393.00	127
101.00	16177	192.00	7956	288.00	302	395.00	63
102.00	1026	193.00	7863	289.00	474	396.00	42
103.00	5539	194.00	1739	290.00	627	397.00	107
104.00	9788	195.00	702	291.00	507	401.00	569
105.00	8599	196.00	22448	292.00	575	402.00	3362
106.00	237	198.00	703616	293.00	3334	403.00	5152
107.00	111288	199.00	46560	294.00	744	404.00	1634
108.00	17552	200.00	3865	296.00	42920	405.00	189
110.00	218560	201.00	4074	297.00	5815	408.00	38
111.00	30392	203.00	4710	298.00	365	410.00	131
112.00	3479	204.00	22776	299.00	212	415.00	200
113.00	931	205.00	41072	301.00	720	416.00	85
114.00	326	206.00	166144	302.00	893	418.00	39
115.00	101	207.00	20976	303.00	5174	421.00	4231
116.00	5336	208.00	5097	304.00	1639	422.00	4378
117.00	76592	209.00	2036	305.00	266	423.00	31672
118.00	5571	210.00	2034	306.00	57	424.00	5962
119.00	1046	211.00	5838	307.00	90	425.00	755
120.00	1377	212.00	663	308.00	719	426.00	101
121.00	226	213.00	180	309.00	534	427.00	118

Data File: \\qoanoh05\dd\chem\MSS\a4hp10.i\40408a.b\1DF0408.D

Date : 08-APR-2004 07:56

Client ID: Instrument: a4hp10.i

Sample Info: 1df0408,40408a.b,dftpp288.m

Volume Injected (uL): 1.0 Operator: 001710

Column phase: Column diameter: 2.00

Data File: 1DF0408.D
Spectrum: Average Spectrum: 5.663 to 5.679 min. (SUB)
Location of Maximum: 198.00
Number of points: 355

m/z	Y	m/z	Y	m/z	Y	m/z	Y
122.00	6628	214.00	125	310.00	726	428.00	48
123.00	9978	215.00	1850	311.00	139	429.00	45
124.00	4212	216.00	3713	312.00	183	430.00	103
125.00	3483	217.00	40088	313.00	486	431.00	111
127.00	351616	218.00	5425	314.00	2177	432.00	61
128.00	26072	219.00	493	315.00	4862	433.00	160
129.00	129768	220.00	61	316.00	2845	434.00	136
130.00	10419	221.00	44776	317.00	548	435.00	217
131.00	1984	223.00	9866	319.00	130	436.00	218
132.00	757	224.00	94248	320.00	264	437.00	162
133.00	534	225.00	24152	321.00	1265	438.00	188
134.00	3558	226.00	1037	322.00	788	439.00	483
135.00	10302	227.00	37824	323.00	15559	441.00	85304
136.00	4309	228.00	5024	324.00	3027	442.00	591424
137.00	5662	229.00	7668	325.00	301	443.00	113056
138.00	1275	230.00	872	326.00	255	444.00	10239
139.00	562	231.00	3337	327.00	2693	445.00	599
140.00	1423	232.00	701	328.00	1306	474.00	47
141.00	15202	233.00	760	329.00	335		

Data File: \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\1DF0408.D

Date : 08-APR-2004 07:56

Client ID:

Instrument: a4hp10.i

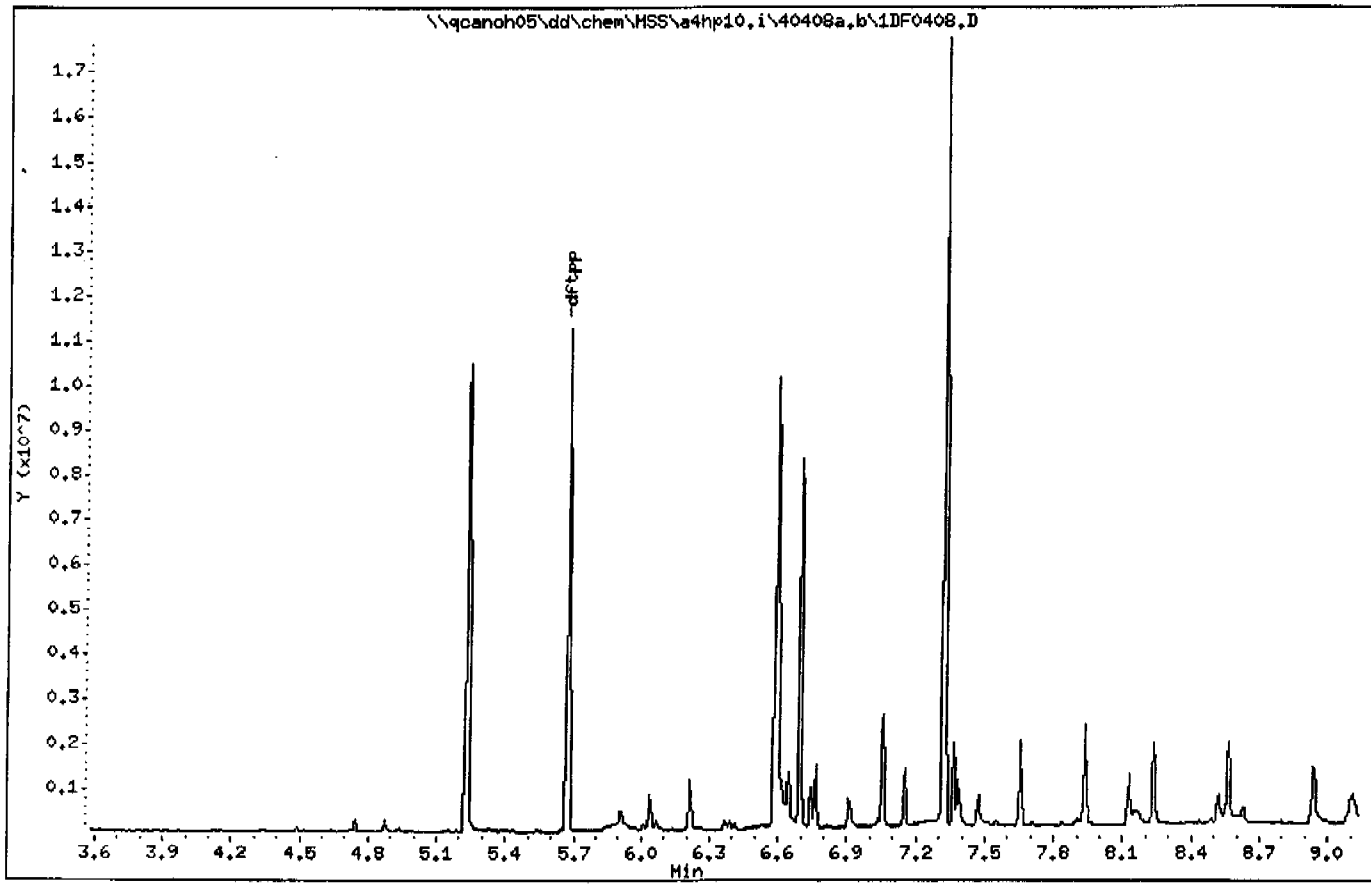
Sample Info: 1df0408,40408a.b,dftpp288.m

Volume Injected (uL): 1.0

Operator: 001710

Column phase:

Column diameter: 2.00



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC8AW1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C300000-705
Prep Date.....: 03/31/04 **Analysis Date..:** 04/07/04
Prep Batch #...: 4090705
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Carbazole	72	(50 - 118)	SW846 8270C
Acenaphthene	**68**	**(39 - 118)**	**SW846 8270C**
Acenaphthylene	71	(51 - 110)	SW846 8270C
Anthracene	70	(54 - 116)	SW846 8270C
Benzo(a)anthracene	60	(49 - 112)	SW846 8270C
Benzo(a)pyrene	70	(50 - 116)	SW846 8270C
Benzo(b)fluoranthene	61	(51 - 115)	SW846 8270C
Benzo(ghi)perylene	71	(47 - 118)	SW846 8270C
Benzo(k)fluoranthene	92	(52 - 116)	SW846 8270C
4-Bromophenyl phenyl ether	69	(56 - 113)	SW846 8270C
Butyl benzyl phthalate	70	(46 - 121)	SW846 8270C
4-Chloroaniline	56	(21 - 110)	SW846 8270C
bis(2-Chloroethoxy) methane	69	(54 - 112)	SW846 8270C
bis(2-Chloroethyl)-ether	80	(59 - 114)	SW846 8270C
bis(2-Chloroisopropyl) ether	78	(53 - 118)	SW846 8270C
4-Chloro-3-methylphenol	**64**	**(29 - 124)**	**SW846 8270C**
2-Chloronaphthalene	69	(50 - 116)	SW846 8270C
2-Chlorophenol	**71**	**(19 - 124)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	72	(56 - 112)	SW846 8270C
Chrysene	81	(49 - 118)	SW846 8270C
Dibenz(a,h)anthracene	74	(48 - 124)	SW846 8270C
Dibenzofuran	71	(53 - 112)	SW846 8270C
Di-n-butyl phthalate	69	(50 - 116)	SW846 8270C
1,2-Dichlorobenzene	58	(44 - 110)	SW846 8270C
1,3-Dichlorobenzene	53	(38 - 110)	SW846 8270C
1,4-Dichlorobenzene	**57**	**(28 - 110)**	**SW846 8270C**
3,3'-Dichlorobenzidine	44	(10 - 110)	SW846 8270C
2,4-Dichlorophenol	61	(51 - 118)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC8AW1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C300000-705

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diethyl phthalate	30	(14 - 135)	SW846 8270C
2,4-Dimethylphenol	21	(10 - 123)	SW846 8270C
Dimethyl phthalate	7.5 a	(10 - 150)	SW846 8270C
4,6-Dinitro-2-methylphenol	63	(22 - 143)	SW846 8270C
2,4-Dinitrophenol	41	(10 - 146)	SW846 8270C
2,4-Dinitrotoluene	**70**	**(47 - 131)**	**SW846 8270C**
2,6-Dinitrotoluene	80	(59 - 125)	SW846 8270C
Di-n-octyl phthalate	77	(49 - 130)	SW846 8270C
bis(2-Ethylhexyl) phthalate	77	(49 - 124)	SW846 8270C
Fluoranthene	71	(54 - 118)	SW846 8270C
Fluorene	72	(53 - 114)	SW846 8270C
Hexachlorobenzene	67	(54 - 114)	SW846 8270C
Hexachlorobutadiene	44	(36 - 113)	SW846 8270C
Hexachlorocyclopentadiene	0.0 a	(10 - 114)	SW846 8270C
Hexachloroethane	44	(29 - 115)	SW846 8270C
Indeno(1,2,3-cd)pyrene	73	(45 - 120)	SW846 8270C
Isophorone	77	(54 - 111)	SW846 8270C
2-Methylnaphthalene	64	(52 - 110)	SW846 8270C
2-Methylphenol	60	(33 - 115)	SW846 8270C
4-Methylphenol	68	(49 - 110)	SW846 8270C
Naphthalene	64	(49 - 112)	SW846 8270C
2-Nitroaniline	70	(53 - 122)	SW846 8270C
3-Nitroaniline	64	(10 - 140)	SW846 8270C
4-Nitroaniline	68	(32 - 116)	SW846 8270C
Nitrobenzene	68	(56 - 119)	SW846 8270C
2-Nitrophenol	65	(46 - 129)	SW846 8270C
4-Nitrophenol	**30**	**(19 - 144)**	**SW846 8270C**
N-Nitrosodiphenylamine	68	(49 - 117)	SW846 8270C
N-Nitrosodi-n-propylamine	**68**	**(30 - 115)**	**SW846 8270C**
Pentachlorophenol	**58**	**(10 - 140)**	**SW846 8270C**
Phenanthrene	69	(53 - 112)	SW846 8270C
Phenol	**71**	**(10 - 131)**	**SW846 8270C**
Pyrene	**68**	**(46 - 130)**	**SW846 8270C**

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC8AW1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C300000-705

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzoic acid	44	(10 - 151)	SW846 8270C
Pyridine	15 a	(70 - 130)	SW846 8270C
1,4-Dioxane	68	(10 - 200)	SW846 8270C
1,2,4-Trichloro-benzene	**55**	**(31 - 110)**	**SW846 8270C**
2,4,5-Trichloro-phenol	69	(46 - 122)	SW846 8270C
2,4,6-Trichloro-phenol	58	(46 - 118)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(32 - 112)
2-Fluorobiphenyl	67	(30 - 110)
Terphenyl-d14	74	(10 - 144)
Phenol-d5	71	(10 - 113)
2-Fluorophenol	74	(13 - 110)
2,4,6-Tribromophenol	64	(21 - 122)

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 Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC8AW1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C300000-705
Prep Date.....: 03/31/04 **Analysis Date..:** 04/07/04
Prep Batch #...: 4090705
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Carbazole	20	14	ug/L	72	SW846 8270C
Acenaphthene	**20**	**14**	**ug/L**	**68**	**SW846 8270C**
Acenaphthylene	20	14	ug/L	71	SW846 8270C
Anthracene	20	14	ug/L	70	SW846 8270C
Benzo(a)anthracene	20	12	ug/L	60	SW846 8270C
Benzo(a)pyrene	20	14	ug/L	70	SW846 8270C
Benzo(b)fluoranthene	20	12	ug/L	61	SW846 8270C
Benzo(ghi)perylene	20	14	ug/L	71	SW846 8270C
Benzo(k)fluoranthene	20	18	ug/L	92	SW846 8270C
4-Bromophenyl phenyl ether	20	14	ug/L	69	SW846 8270C
Butyl benzyl phthalate	20	14	ug/L	70	SW846 8270C
4-Chloroaniline	20	11	ug/L	56	SW846 8270C
bis(2-Chloroethoxy) methane	20	14	ug/L	69	SW846 8270C
bis(2-Chloroethyl)-ether	20	16	ug/L	80	SW846 8270C
bis(2-Chloroisopropyl) ether	20	16	ug/L	78	SW846 8270C
4-Chloro-3-methylphenol	**20**	**13**	**ug/L**	**64**	**SW846 8270C**
2-Chloronaphthalene	20	14	ug/L	69	SW846 8270C
2-Chlorophenol	**20**	**14**	**ug/L**	**71**	**SW846 8270C**
4-Chlorophenyl phenyl ether	20	14	ug/L	72	SW846 8270C
Chrysene	20	16	ug/L	81	SW846 8270C
Dibenz(a,h)anthracene	20	15	ug/L	74	SW846 8270C
Dibenzofuran	20	14	ug/L	71	SW846 8270C
Di-n-butyl phthalate	20	14	ug/L	69	SW846 8270C
1,2-Dichlorobenzene	20	12	ug/L	58	SW846 8270C
1,3-Dichlorobenzene	20	11	ug/L	53	SW846 8270C
1,4-Dichlorobenzene	**20**	**11**	**ug/L**	**57**	**SW846 8270C**
3,3'-Dichlorobenzidine	20	8.8	ug/L	44	SW846 8270C
2,4-Dichlorophenol	20	12	ug/L	61	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC8AW1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C300000-705

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Diethyl phthalate	20	5.9	ug/L	30	SW846 8270C
2,4-Dimethylphenol	20	4.2	ug/L	21	SW846 8270C
Dimethyl phthalate	20	1.5 a	ug/L	7.5	SW846 8270C
4,6-Dinitro-2-methylphenol	20	13	ug/L	63	SW846 8270C
2,4-Dinitrophenol	20	8.2	ug/L	41	SW846 8270C
2,4-Dinitrotoluene	**20**	**14**	**ug/L**	**70**	**SW846 8270C**
2,6-Dinitrotoluene	20	16	ug/L	80	SW846 8270C
Di-n-octyl phthalate	20	15	ug/L	77	SW846 8270C
bis(2-Ethylhexyl) phthalate	20	15	ug/L	77	SW846 8270C
Fluoranthene	20	14	ug/L	71	SW846 8270C
Fluorene	20	14	ug/L	72	SW846 8270C
Hexachlorobenzene	20	13	ug/L	67	SW846 8270C
Hexachlorobutadiene	20	8.9	ug/L	44	SW846 8270C
Hexachlorocyclopentadiene	20	0.0 a	ug/L	0.0	SW846 8270C
Hexachloroethane	20	8.8	ug/L	44	SW846 8270C
Indeno(1,2,3-cd)pyrene	20	15	ug/L	73	SW846 8270C
Isophorone	20	15	ug/L	77	SW846 8270C
2-Methylnaphthalene	20	13	ug/L	64	SW846 8270C
2-Methylphenol	20	12	ug/L	60	SW846 8270C
4-Methylphenol	40	27	ug/L	68	SW846 8270C
Naphthalene	20	13	ug/L	64	SW846 8270C
2-Nitroaniline	20	14	ug/L	70	SW846 8270C
3-Nitroaniline	20	13	ug/L	64	SW846 8270C
4-Nitroaniline	20	14	ug/L	68	SW846 8270C
Nitrobenzene	20	14	ug/L	68	SW846 8270C
2-Nitrophenol	20	13	ug/L	65	SW846 8270C
4-Nitrophenol	**20**	**6.1**	**ug/L**	**30**	**SW846 8270C**
N-Nitrosodiphenylamine	20	14	ug/L	68	SW846 8270C
N-Nitrosodi-n-propylamine	**20**	**14**	**ug/L**	**68**	**SW846 8270C**
Pentachlorophenol	**20**	**12**	**ug/L**	**58**	**SW846 8270C**
Phenanthrene	20	14	ug/L	69	SW846 8270C
Phenol	**20**	**14**	**ug/L**	**71**	**SW846 8270C**
Pyrene	**20**	**14**	**ug/L**	**68**	**SW846 8270C**

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC8AW1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C300000-705

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzoic acid	20	8.8	ug/L	44	SW846 8270C
Pyridine	20	2.9 a	ug/L	15	SW846 8270C
1,4-Dioxane	20	14	ug/L	68	SW846 8270C
1,2,4-Trichloro-benzene	**20**	**11**	**ug/L**	**55**	**SW846 8270C**
2,4,5-Trichloro-phenol	20	14	ug/L	69	SW846 8270C
2,4,6-Trichloro-phenol	20	12	ug/L	58	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(32 - 112)
2-Fluorobiphenyl	67	(30 - 110)
Terphenyl-d14	74	(10 - 144)
Phenol-d5	71	(10 - 113)
2-Fluorophenol	74	(13 - 110)
2,4,6-Tribromophenol	64	(21 - 122)

NOTE(S):

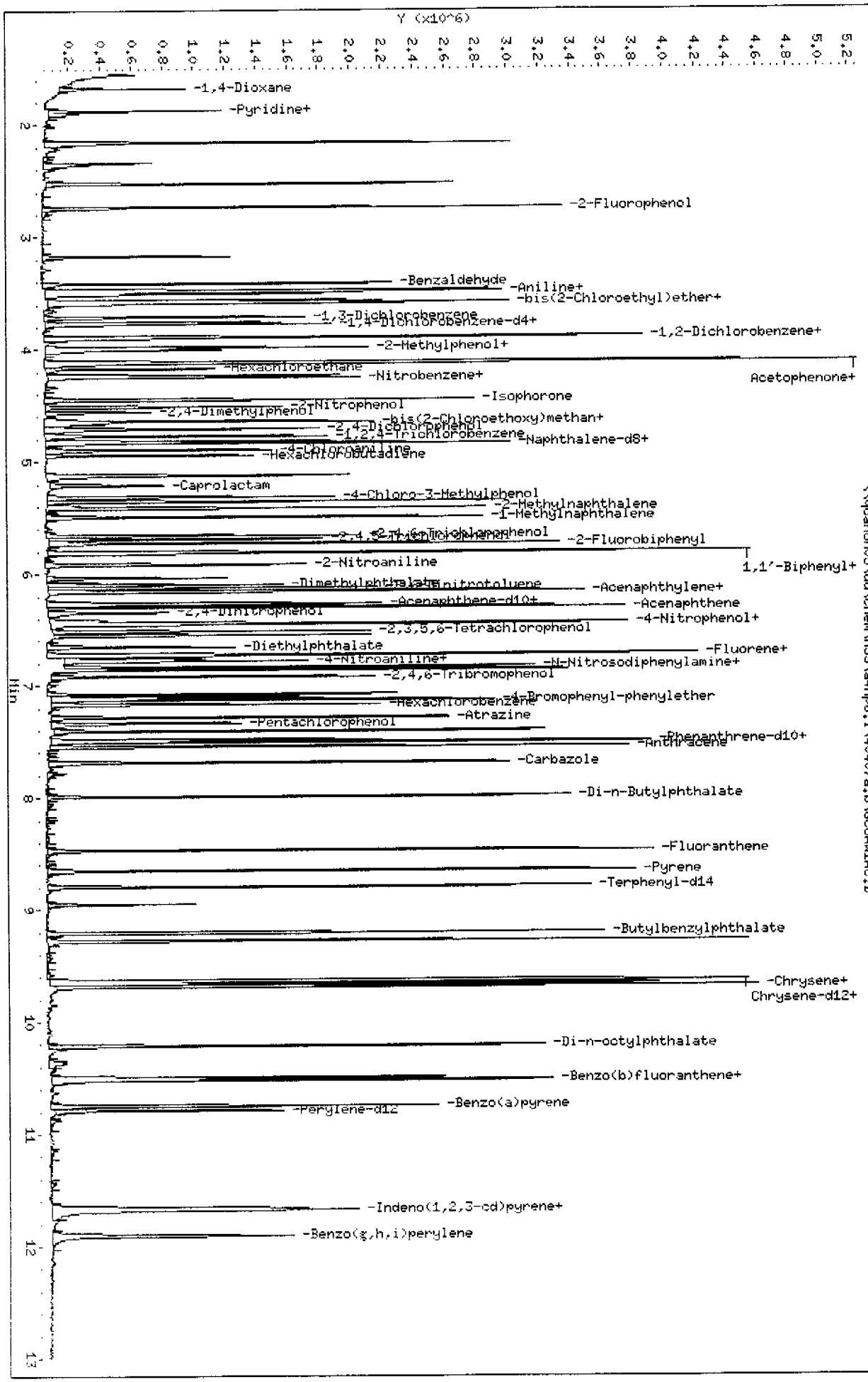
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40407a.b\GC8AW1AC.D
Date : 07-APR-2004 13:08
Client ID: INTRA-LAB CHECK
Sample Info: gc8awlac,40407a,b,8270p,3-827042,sub
Volume Injected (uL): 0.5
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\GC8AW1AC.D
Lab Smp Id: GC8AW1AC Client Smp ID: INTRA-LAB CHECK
Inj Date : 07-APR-2004 13:08
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gc8aw1ac,40407a.b,8270p,3-827042.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 14:01 gruberj Quant Type: ISTD
Cal Date : 06-APR-2004 18:18 Cal File: 6AHHH406.D
Als bottle: 11 QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.760	3.759	(1.000)	132441	2.00000	
* 2 Naphthalene-d8	136	4.817	4.819	(1.000)	522655	2.00000	
* 3 Acenaphthene-d10	164	6.270	6.269	(1.000)	294767	2.00000	
* 4 Phenanthrene-d10	188	7.484	7.483	(1.000)	540319	2.00000	
* 5 Chrysene-d12	240	9.641	9.640	(1.000)	496083	2.00000	
* 6 Perylene-d12	264	10.786	10.785	(1.000)	323447	2.00000	
198 1,4-Dioxane	88	1.677	1.653	(0.446)	186734	3.40198	13.608
9 Pyridine	79	1.891	1.854	(0.503)	97437	0.73467	2.9387
10 N-Nitrosodimethylamine	74	1.875	1.864	(0.499)	372379	3.76037	15.041
12 3-Chloropropionitrile	54	Compound Not Detected.					
209 Benzaldehyde	77	3.416	3.415	(0.908)	439199	5.27139	21.086(QR)
21 Aniline	93	3.506	3.507	(0.932)	557898	2.79502	11.180
22 Phenol	94	3.488	3.482	(0.928)	579886	3.54744	14.190
23 bis(2-Chloroethyl)ether	93	3.562	3.561	(0.947)	479766	4.00093	16.004
24 2-Chlorophenol	128	3.591	3.587	(0.955)	311169	3.54737	14.189
26 1,3-Dichlorobenzene	146	3.714	3.711	(0.988)	221764	2.64045	10.562
27 1,4-Dichlorobenzene	146	3.776	3.772	(1.004)	223021	2.87202	11.488
28 1,2-Dichlorobenzene	146	3.899	3.898	(1.037)	230120	2.92028	11.681
29 Benzyl Alcohol	108	3.889	3.891	(1.034)	252005	3.33984	13.359
30 2-Methylphenol	108	3.981	3.981	(1.059)	325823	2.99610	11.984

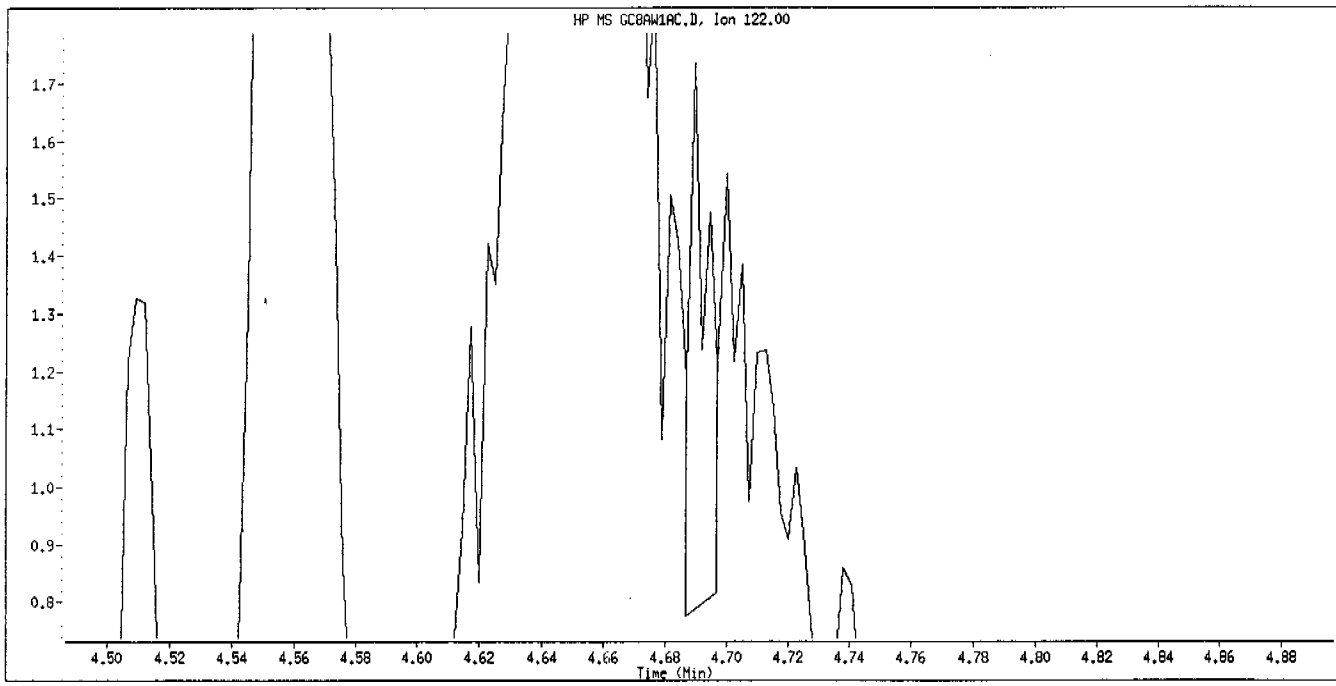
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
31 bis(2-Chloroisopropyl)ether	45	4.002	4.001	(1.064)	367270	3.90001	15.600(Q)
37 Acetophenone	105	4.110	4.109	(1.093)	582673	3.83462	15.338(Q)
32 N-Nitroso-di-n-propylamine	70	4.120	4.122	(1.096)	416324	3.38952	13.558
192 4-Methylphenol	108	4.120	4.114	(1.096)	714778	6.80755	27.230
34 Hexachloroethane	117	4.172	4.171	(1.109)	89527	2.20009	8.8004
35 Nitrobenzene	77	4.246	4.248	(0.882)	618390	3.40348	13.614
41 Isophorone	82	4.447	4.451	(0.923)	1082744	3.84578	15.383
42 2-Nitrophenol	139	4.511	4.510	(0.936)	162742	3.24247	12.970(Q)
43 2,4-Dimethylphenol	107	4.555	4.557	(0.946)	132425	1.05622	4.2249(R)
44 bis(2-Chloroethoxy)methane	93	4.640	4.639	(0.963)	530289	3.46649	13.866
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	4.707	4.706	(0.977)	222437	3.04416	12.177
49 Benzoic Acid	122	4.668	4.711	(0.969)	131536	2.19739	8.7896(M)
50 1,2,4-Trichlorobenzene	180	4.771	4.773	(0.990)	210389	2.76153	11.046
51 Naphthalene	128	4.835	4.834	(1.004)	843665	3.19104	12.764
52 4-Chloroaniline	127	4.894	4.896	(1.016)	305858	2.81171	11.247
56 Hexachlorobutadiene	225	4.943	4.945	(1.026)	99341	2.22036	8.8814(R)
210 Caprolactam	113	5.208	5.225	(1.081)	110734	3.14172	12.567(QH)
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	5.311	5.313	(1.102)	338603	3.21981	12.879
62 2-Methylnaphthalene	142	5.411	5.413	(1.123)	529013	3.17982	12.719
63 1-Methylnaphthalene	142	5.491	5.493	(1.140)	507085	3.14397	12.576
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	5.653	5.655	(0.902)	181466	2.90296	11.612
67 2,4,5-Trichlorophenol	196	5.684	5.685	(0.906)	191515	3.46569	13.863
211 1,1'-Biphenyl	154	5.802	5.806	(0.925)	765167	3.72121	14.885(Q)
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
70 2-Chloronaphthalene	162	5.812	5.814	(0.927)	524265	3.42758	13.710
73 2-Nitroaniline	65	5.913	5.914	(0.943)	311264	3.52102	14.084
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
76 Dimethylphthalate	163	6.075	6.076	(0.969)	67477	0.37355	1.4942(R)
78 2,6-Dinitrotoluene	165	6.121	6.123	(0.976)	156141	3.98582	15.943
79 Acenaphthylene	152	6.152	6.153	(0.981)	931890	3.54847	14.194
80 1,2-Dinitrobenzene	168	6.162	6.166	(0.983)	79998	3.79639	15.186(Q)
81 3-Nitroaniline	138	6.257	6.259	(0.998)	149451	3.22437	12.897
82 Acenaphthene	153	6.296	6.297	(1.004)	585265	3.40803	13.632
83 2,4-Dinitrophenol	184	6.342	6.346	(1.011)	70270	2.05213	8.2085
85 4-Nitrophenol	109	6.406	6.405	(1.022)	59471	1.52378	6.0951(Q)
86 Dibenzofuran	168	6.440	6.441	(1.027)	836975	3.53773	14.151(R)
87 2,4-Dinitrotoluene	165	6.448	6.452	(1.028)	196714	3.48388	13.936
91 2,3,5,6-Tetrachlorophenol	232	6.509	6.513	(1.038)	168378	3.33361	13.334
93 Diethylphthalate	149	6.653	6.657	(1.061)	283849	1.47678	5.9071
94 Fluorene	166	6.720	6.722	(1.072)	663890	3.60797	14.432
95 4-Chlorophenyl-phenylether	204	6.728	6.732	(1.073)	346927	3.59854	14.394
96 4-Nitroaniline	138	6.761	6.763	(1.078)	157586	3.37607	13.504(R)
98 4,6-Dinitro-2-methylphenol	198	6.777	6.781	(0.906)	125250	3.17219	12.689
99 N-Nitrosodiphenylamine	169	6.831	6.835	(0.913)	483148	3.37752	13.510
100 1,2-Diphenylhydrazine	77	6.856	6.861	(0.916)	1260303	3.45966	13.839
106 4-Bromophenyl-phenylether	248	7.129	7.128	(0.953)	170966	3.45892	13.836
107 Hexachlorobenzene	284	7.168	7.169	(0.958)	161959	3.36988	13.480
212 Atrazine	200	7.286	7.287	(0.974)	198708	3.83502	15.340(Q)
111 Pentachlorophenol	266	7.335	7.336	(0.980)	101058	2.91898	11.676
115 Phenanthrene	178	7.502	7.503	(1.002)	961839	3.47064	13.882

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
116 Anthracene	178	7.546	7.547	(1.008)	959840	3.52215	14.089
119 Carbazole	167	7.687	7.689	(1.027)	908912	3.58424	14.337
120 Di-n-Butylphthalate	149	7.990	7.992	(1.068)	1086040	3.42830	13.713
123 Fluoranthene	202	8.471	8.470	(1.132)	1126043	3.55659	14.226
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	8.651	8.653	(0.897)	1085351	3.37825	13.513
131 Butylbenzylphthalate	149	9.207	9.206	(0.955)	475806	3.48015	13.920
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	9.628	9.630	(0.999)	220804	2.18792	8.7517
136 Benzo(a)Anthracene	228	9.634	9.633	(0.999)	1004271	3.01789	12.072
137 Chrysene	228	9.662	9.663	(1.002)	986416	4.03648	16.146
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	9.682	9.684	(1.004)	765986	3.85050	15.402(Q)
140 Di-n-octylphthalate	149	10.210	10.211	(0.947)	1141330	3.86289	15.452
141 Benzo(b)fluoranthene	252	10.495	10.497	(0.973)	897759	3.03610	12.144
142 Benzo(k)fluoranthene	252	10.518	10.520	(0.975)	935465	4.58780	18.351
146 Benzo(a)pyrene	252	10.744	10.746	(0.996)	798776	3.51580	14.063
149 Indeno(1,2,3-cd)pyrene	276	11.655	11.656	(1.081)	877022	3.63807	14.552
150 Dibenz(a,h)anthracene	278	11.673	11.674	(1.082)	750142	3.68333	14.733
151 Benzo(g,h,i)perylene	276	11.902	11.906	(1.103)	720989	3.53038	14.122
$ 154 Nitrobenzene-d5	82	4.231	4.233	(0.878)	592476	3.53007	14.120
$ 155 2-Fluorobiphenyl	172	5.725	5.727	(0.913)	666282	3.35852	13.434
$ 156 Terphenyl-d14	244	8.795	8.794	(0.912)	703500	3.71172	14.847
$ 157 Phenol-d5	99	3.475	3.471	(0.924)	773550	5.31332	21.253
$ 158 2-Fluorophenol	112	2.737	2.723	(0.728)	523716	5.55595	22.224
$ 159 2,4,6-Tribromophenol	330	6.921	6.920	(1.104)	100865	4.83597	19.344
$ 186 2-Chlorophenol-d4	132	3.578	3.574	(0.951)	448612	5.14578	20.583
$ 187 1,2-Dichlorobenzene-d4	152	3.886	3.885	(1.034)	165736	3.15803	12.632
M 195 Cresols, total	100				1040601	9.80365	39.215
101 Diphenylamine	169	6.831	6.835	(0.913)	483148	3.47875	13.915

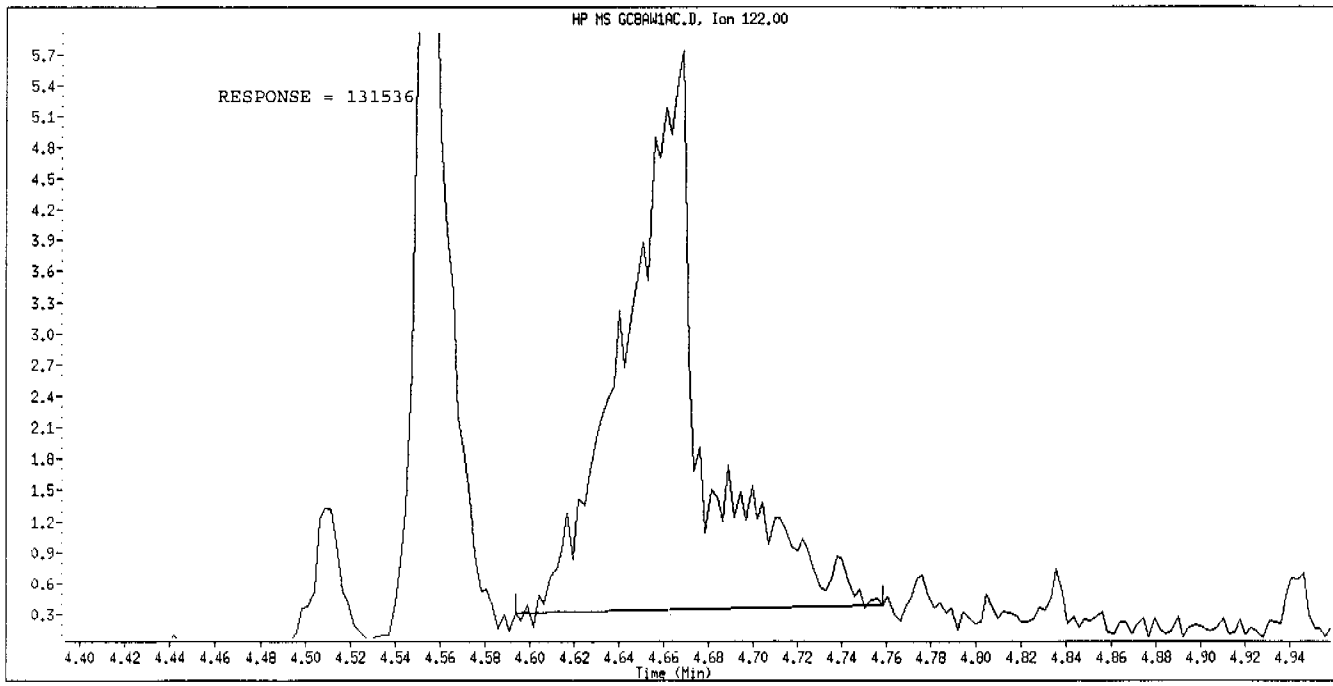
QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: GC8AW1AC.D
Inj. Date and Time: 07-APR-2004 13:08
Instrument ID: a4hp6.i
Client ID: INTRA-LAB CHECK
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/08/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDAC61AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C310000-574
Prep Date.....: 04/01/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4091574
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Carbazole	73	(50 - 118)	SW846 8270C
Acenaphthene	**67**	**(39 - 118)**	**SW846 8270C**
Acenaphthylene	69	(51 - 110)	SW846 8270C
Anthracene	72	(54 - 116)	SW846 8270C
Benzo(a)anthracene	76	(49 - 112)	SW846 8270C
Benzo(a)pyrene	69	(50 - 116)	SW846 8270C
Benzo(b)fluoranthene	77	(51 - 115)	SW846 8270C
Benzo(ghi)perylene	69	(47 - 118)	SW846 8270C
Benzo(k)fluoranthene	61	(52 - 116)	SW846 8270C
4-Bromophenyl phenyl ether	71	(56 - 113)	SW846 8270C
Butyl benzyl phthalate	61	(46 - 121)	SW846 8270C
4-Chloroaniline	67	(21 - 110)	SW846 8270C
bis(2-Chloroethoxy) methane	72	(54 - 112)	SW846 8270C
bis(2-Chloroethyl)-ether	71	(59 - 114)	SW846 8270C
bis(2-Chloroisopropyl) ether	66	(53 - 118)	SW846 8270C
4-Chloro-3-methylphenol	**65**	**(29 - 124)**	**SW846 8270C**
2-Chloronaphthalene	69	(50 - 116)	SW846 8270C
2-Chlorophenol	**61**	**(19 - 124)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	71	(56 - 112)	SW846 8270C
Chrysene	63	(49 - 118)	SW846 8270C
Dibenz(a,h)anthracene	70	(48 - 124)	SW846 8270C
Dibenzofuran	71	(53 - 112)	SW846 8270C
Di-n-butyl phthalate	59	(50 - 116)	SW846 8270C
1,2-Dichlorobenzene	60	(44 - 110)	SW846 8270C
1,3-Dichlorobenzene	57	(38 - 110)	SW846 8270C
1,4-Dichlorobenzene	**65**	**(28 - 110)**	**SW846 8270C**
3,3'-Dichlorobenzidine	51	(10 - 110)	SW846 8270C
2,4-Dichlorophenol	56	(51 - 118)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDAC61AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C310000-574

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diethyl phthalate	18	(14 - 135)	SW846 8270C
2,4-Dimethylphenol	27	(10 - 123)	SW846 8270C
Dimethyl phthalate	3.9 a	(10 - 150)	SW846 8270C
4,6-Dinitro-2-methylphenol	0.0 a	(22 - 143)	SW846 8270C
2,4-Dinitrophenol	0.0 a	(10 - 146)	SW846 8270C
2,4-Dinitrotoluene	**73**	**(47 - 131)**	**SW846 8270C**
2,6-Dinitrotoluene	80	(59 - 125)	SW846 8270C
Di-n-octyl phthalate	74	(49 - 130)	SW846 8270C
bis(2-Ethylhexyl) phthalate	104	(49 - 124)	SW846 8270C
Fluoranthene	71	(54 - 118)	SW846 8270C
Fluorene	71	(53 - 114)	SW846 8270C
Hexachlorobenzene	69	(54 - 114)	SW846 8270C
Hexachlorobutadiene	50	(36 - 113)	SW846 8270C
Hexachlorocyclopentadiene	0.0 a	(10 - 114)	SW846 8270C
Hexachloroethane	50	(29 - 115)	SW846 8270C
Indeno(1,2,3-cd)pyrene	69	(45 - 120)	SW846 8270C
Isophorone	76	(54 - 111)	SW846 8270C
2-Methylnaphthalene	66	(52 - 110)	SW846 8270C
2-Methylphenol	62	(33 - 115)	SW846 8270C
4-Methylphenol	63	(49 - 110)	SW846 8270C
Naphthalene	65	(49 - 112)	SW846 8270C
2-Nitroaniline	73	(53 - 122)	SW846 8270C
3-Nitroaniline	78	(10 - 140)	SW846 8270C
4-Nitroaniline	88	(32 - 116)	SW846 8270C
Nitrobenzene	70	(56 - 119)	SW846 8270C
2-Nitrophenol	12 a	(46 - 129)	SW846 8270C
4-Nitrophenol	**20**	**(19 - 144)**	**SW846 8270C**
N-Nitrosodiphenylamine	66	(49 - 117)	SW846 8270C
N-Nitrosodi-n-propylamine	**64**	**(30 - 115)**	**SW846 8270C**
Pentachlorophenol	**8.0 a**	**(10 - 140)**	**SW846 8270C**
Phenanthrene	70	(53 - 112)	SW846 8270C
Phenol	**74**	**(10 - 131)**	**SW846 8270C**
Pyrene	**67**	**(46 - 130)**	**SW846 8270C**

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDAC61AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C310000-574

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzoic acid	0.0 a	(10 - 151)	SW846 8270C
Pyridine	33 a	(70 - 130)	SW846 8270C
1,4-Dioxane	68	(10 - 200)	SW846 8270C
1,2,4-Trichloro-benzene	**59**	**(31 - 110)**	**SW846 8270C**
2,4,5-Trichloro-phenol	43 a	(46 - 122)	SW846 8270C
2,4,6-Trichloro-phenol	40 a	(46 - 118)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(32 - 112)
2-Fluorobiphenyl	68	(30 - 110)
Terphenyl-d14	75	(10 - 144)
Phenol-d5	68	(10 - 113)
2-Fluorophenol	56	(13 - 110)
2,4,6-Tribromophenol	47	(21 - 122)

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 Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDAC61AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C310000-574
Prep Date.....: 04/01/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4091574
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Carbazole	20	15	ug/L	73	SW846 8270C
Acenaphthene	**20**	**13**	**ug/L**	**67**	**SW846 8270C**
Acenaphthylene	20	14	ug/L	69	SW846 8270C
Anthracene	20	14	ug/L	72	SW846 8270C
Benzo(a)anthracene	20	15	ug/L	76	SW846 8270C
Benzo(a)pyrene	20	14	ug/L	69	SW846 8270C
Benzo(b)fluoranthene	20	15	ug/L	77	SW846 8270C
Benzo(ghi)perylene	20	14	ug/L	69	SW846 8270C
Benzo(k)fluoranthene	20	12	ug/L	61	SW846 8270C
4-Bromophenyl phenyl ether	20	14	ug/L	71	SW846 8270C
Butyl benzyl phthalate	20	12	ug/L	61	SW846 8270C
4-Chloroaniline	20	13	ug/L	67	SW846 8270C
bis(2-Chloroethoxy) methane	20	14	ug/L	72	SW846 8270C
bis(2-Chloroethyl)-ether	20	14	ug/L	71	SW846 8270C
bis(2-Chloroisopropyl) ether	20	13	ug/L	66	SW846 8270C
4-Chloro-3-methylphenol	**20**	**13**	**ug/L**	**65**	**SW846 8270C**
2-Chloronaphthalene	20	14	ug/L	69	SW846 8270C
2-Chlorophenol	**20**	**12**	**ug/L**	**61**	**SW846 8270C**
4-Chlorophenyl phenyl ether	20	14	ug/L	71	SW846 8270C
Chrysene	20	13	ug/L	63	SW846 8270C
Dibenz(a,h)anthracene	20	14	ug/L	70	SW846 8270C
Dibenzofuran	20	14	ug/L	71	SW846 8270C
Di-n-butyl phthalate	20	12	ug/L	59	SW846 8270C
1,2-Dichlorobenzene	20	12	ug/L	60	SW846 8270C
1,3-Dichlorobenzene	20	11	ug/L	57	SW846 8270C
1,4-Dichlorobenzene	**20**	**13**	**ug/L**	**65**	**SW846 8270C**
3,3'-Dichlorobenzidine	20	10	ug/L	51	SW846 8270C
2,4-Dichlorophenol	20	11	ug/L	56	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDAC61AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C310000-574

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Diethyl phthalate	20	3.6	ug/L	18	SW846 8270C
2,4-Dimethylphenol	20	5.3	ug/L	27	SW846 8270C
Dimethyl phthalate	20	0.78 a	ug/L	3.9	SW846 8270C
4,6-Dinitro-2-methylphenol	20	0.0 a	ug/L	0.0	SW846 8270C
2,4-Dinitrophenol	20	0.0 a	ug/L	0.0	SW846 8270C
2,4-Dinitrotoluene	**20**	**15**	**ug/L**	**73**	**SW846 8270C**
2,6-Dinitrotoluene	20	16	ug/L	80	SW846 8270C
Di-n-octyl phthalate	20	15	ug/L	74	SW846 8270C
bis(2-Ethylhexyl) phthalate	20	21	ug/L	104	SW846 8270C
Fluoranthene	20	14	ug/L	71	SW846 8270C
Fluorene	20	14	ug/L	71	SW846 8270C
Hexachlorobenzene	20	14	ug/L	69	SW846 8270C
Hexachlorobutadiene	20	10	ug/L	50	SW846 8270C
Hexachlorocyclopentadiene	20	0.0 a	ug/L	0.0	SW846 8270C
Hexachloroethane	20	10	ug/L	50	SW846 8270C
Indeno(1,2,3-cd)pyrene	20	14	ug/L	69	SW846 8270C
Isophorone	20	15	ug/L	76	SW846 8270C
2-Methylnaphthalene	20	13	ug/L	66	SW846 8270C
2-Methylphenol	20	12	ug/L	62	SW846 8270C
4-Methylphenol	40	25	ug/L	63	SW846 8270C
Naphthalene	20	13	ug/L	65	SW846 8270C
2-Nitroaniline	20	15	ug/L	73	SW846 8270C
3-Nitroaniline	20	16	ug/L	78	SW846 8270C
4-Nitroaniline	20	18	ug/L	88	SW846 8270C
Nitrobenzene	20	14	ug/L	70	SW846 8270C
2-Nitrophenol	20	2.5 a	ug/L	12	SW846 8270C
4-Nitrophenol	**20**	**4.0**	**ug/L**	**20**	**SW846 8270C**
N-Nitrosodiphenylamine	20	13	ug/L	66	SW846 8270C
N-Nitrosodi-n-propylamine	**20**	**13**	**ug/L**	**64**	**SW846 8270C**
Pentachlorophenol	**20**	**a**	**ug/L**	**8.0**	**SW846 8270C**
Phenanthrene	20	14	ug/L	70	SW846 8270C
Phenol	**20**	**15**	**ug/L**	**74**	**SW846 8270C**
Pyrene	**20**	**13**	**ug/L**	**67**	**SW846 8270C**

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDAC61AC **Matrix.....:** WATER
LCS Lot-Sample#: A4C310000-574

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzoic acid	20	0.0 a	ug/L	0.0	SW846 8270C
Pyridine	20	6.5 a	ug/L	33	SW846 8270C
1,4-Dioxane	20	14	ug/L	68	SW846 8270C
1,2,4-Trichloro-benzene	**20**	**12**	**ug/L**	**59**	**SW846 8270C**
2,4,5-Trichloro-phenol	20	8.5 a	ug/L	43	SW846 8270C
2,4,6-Trichloro-phenol	20	8.1 a	ug/L	40	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(32 - 112)
2-Fluorobiphenyl	68	(30 - 110)
Terphenyl-d14	75	(10 - 144)
Phenol-d5	68	(10 - 113)
2-Fluorophenol	56	(13 - 110)
2,4,6-Tribromophenol	47	(21 - 122)

NOTE(S):

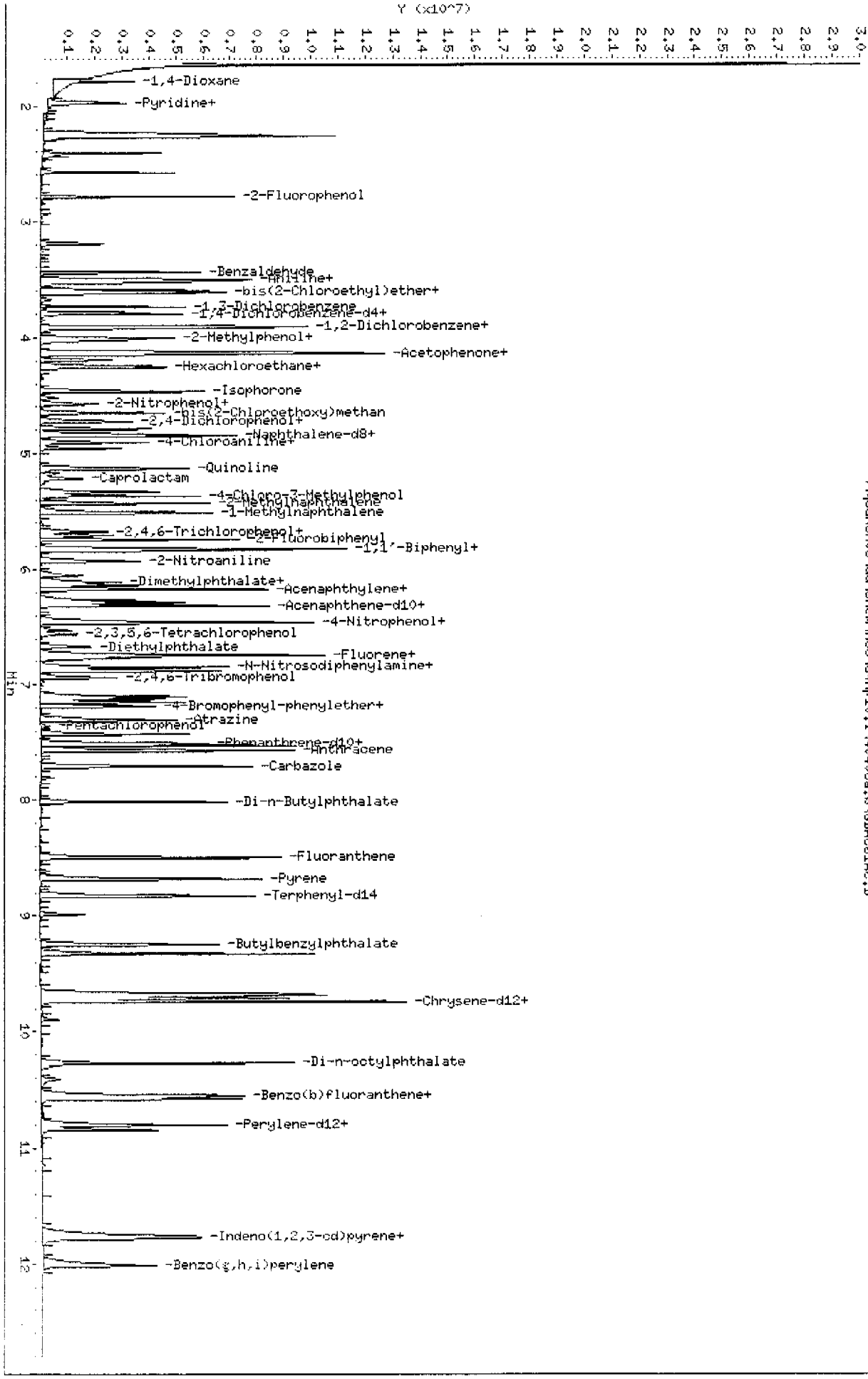
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanch05\dd\chem\MSS\a4hp10,i\40408a,b\GDAC61AC.D
Date : 08-APR-2004 12:21
Client ID: INTRA-LAB CHECK
Sample Info: gdac61ac,40408a,b,8270p,tcilosds,sub
Volume Injected (uL): 0.5
Column phase: db5.625

Instrument: a4hp10,i
Operator: 046900
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\GDAC61AC.D
Lab Smp Id: GDAC61AC Client Smp ID: INTRA-LAB CHECK
Inj Date : 08-APR-2004 12:21
Operator : 046900 Inst ID: a4hp10.i
Smp Info : gdac61ac,40408a.b,8270p,tcllcsds.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 12-Apr-2004 08:07 ulmanm Quant Type: ISTD
Cal Date : 08-APR-2004 11:20 Cal File: 1THHH0408.D
Als bottle: 14 QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tcllcsds.sub
Target Version: 4.12
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.782	3.777	(1.000)	423986	2.00000	(Q)
* 2 Naphthalene-d8	136	4.835	4.835	(1.000)	1797289	2.00000	
* 3 Acenaphthene-d10	164	6.288	6.288	(1.000)	1036303	2.00000	
* 4 Phenanthrene-d10	188	7.506	7.506	(1.000)	1843539	2.00000	
* 5 Chrysene-d12	240	9.685	9.691	(1.000)	1724282	2.00000	
* 6 Perylene-d12	264	10.845	10.845	(1.000)	1315135	2.00000	
9 Pyridine	79	1.977	1.891	(0.523)	638610	1.62893	6.5157(Q)
10 N-Nitrosodimethylamine	74	1.966	1.907	(0.520)	828503	2.86384	11.455
209 Benzaldehyde	77	3.440	3.435	(0.910)	1048540	3.65799	14.632(Q)
21 Aniline	93	3.526	3.526	(0.932)	2041615	2.98832	11.953
22 Phenol	94	3.515	3.504	(0.929)	2003360	3.68072	14.723
23 bis(2-Chloroethyl)ether	93	3.585	3.579	(0.948)	1394550	3.56255	14.250
24 2-Chlorophenol	128	3.617	3.611	(0.956)	929728	3.05973	12.239
26 1,3-Dichlorobenzene	146	3.734	3.729	(0.987)	830952	2.83033	11.321
27 1,4-Dichlorobenzene	146	3.798	3.793	(1.004)	868232	3.26377	13.055
28 1,2-Dichlorobenzene	146	3.916	3.916	(1.035)	846379	2.97709	11.908
29 Benzyl Alcohol	108	3.910	3.910	(1.034)	935377	3.35669	13.427
30 2-Methylphenol	108	4.001	4.001	(1.058)	1164292	3.08848	12.354
31 bis(2-Chloroisopropyl)ether	45	4.017	4.023	(1.062)	1540089	3.32188	13.288(Q)
37 Acetophenone	105	4.124	4.124	(1.090)	1807893	3.05075	12.203

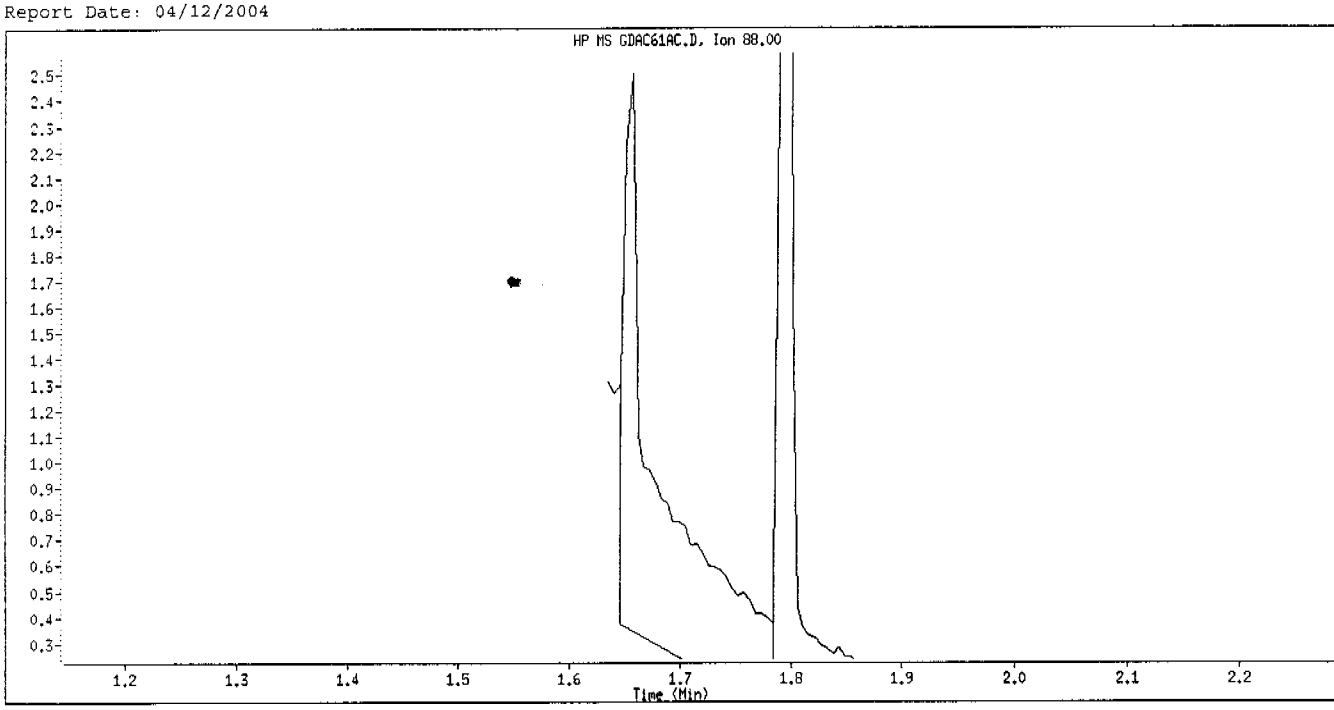
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
32 N-Nitroso-di-n-propylamine	70	4.140	4.140	(1.095)	1026664	3.17719	12.709
192 4-Methylphenol	108	4.140	4.135	(1.095)	2459509	6.31535	25.261
34 Hexachloroethane	117	4.194	4.188	(1.109)	299426	2.52358	10.094
35 Nitrobenzene	77	4.263	4.263	(0.882)	1529073	3.47640	13.906
41 Isophorone	82	4.466	4.471	(0.924)	3081862	3.79333	15.173
42 2-Nitrophenol	139	4.519	4.525	(0.935)	108071	0.61652	2.4661(Q)
43 2,4-Dimethylphenol	107	4.573	4.573	(0.946)	524426	1.32779	5.3112
44 bis(2-Chloroethoxy)methane	93	4.653	4.658	(0.962)	1689523	3.58208	14.328
48 2,4-Dichlorophenol	162	4.728	4.728	(0.978)	692148	2.78530	11.141
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	4.787	4.792	(0.990)	738639	2.94628	11.785
51 Naphthalene	128	4.851	4.856	(1.003)	2998902	3.25135	13.005
52 4-Chloroaniline	127	4.904	4.909	(1.014)	1293083	3.36222	13.449
56 Hexachlorobutadiene	225	4.957	4.963	(1.025)	320442	2.51666	10.067
210 Caprolactam	113	5.225	5.241	(1.081)	325422	2.64165	10.567(Q)
59 4-Chloro-3-Methylphenol	107	5.331	5.331	(1.103)	1135466	3.25839	13.034
62 2-Methylnaphthalene	142	5.428	5.433	(1.123)	1945418	3.28077	13.123
63 1-Methylnaphthalene	142	5.508	5.513	(1.139)	1872178	3.28608	13.144
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	5.673	5.673	(0.902)	392390	2.02081	8.0832
67 2,4,5-Trichlorophenol	196	5.705	5.705	(0.907)	406718	2.12629	8.5051
211 1,1'-Biphenyl	154	5.823	5.823	(0.926)	2412007	3.36641	13.466(Q)
70 2-Chloronaphthalene	162	5.834	5.834	(0.928)	1821672	3.43032	13.721
73 2-Nitroaniline	65	5.924	5.930	(0.942)	855947	3.66504	14.660
78 2,6-Dinitrotoluene	165	6.138	6.138	(0.976)	553676	3.99683	15.987
79 Acenaphthylene	152	6.170	6.175	(0.981)	3238946	3.43622	13.745
80 1,2-Dinitrobenzene	168	6.176	6.175	(0.982)	266616	3.87458	15.498
81 3-Nitroaniline	138	6.266	6.272	(0.997)	619689	3.91570	15.663
82 Acenaphthene	153	6.314	6.320	(1.004)	1947816	3.34888	13.396
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	6.427	6.427	(1.022)	84172	1.01208	4.0483(Q)
86 Dibenzofuran	168	6.459	6.464	(1.027)	2767175	3.56813	14.272(R)
87 2,4-Dinitrotoluene	165	6.464	6.469	(1.028)	714091	3.67307	14.692
91 2,3,5,6-Tetrachlorophenol	232	6.528	6.533	(1.038)	150256	0.91648	3.6659
93 Diethylphthalate	149	6.672	6.678	(1.061)	580240	0.91142	3.6457
94 Fluorene	166	6.742	6.742	(1.072)	2252816	3.55361	14.214
95 4-Chlorophenyl-phenylether	204	6.752	6.752	(1.074)	1037212	3.55294	14.212
96 4-Nitroaniline	138	6.768	6.774	(1.076)	746789	4.41585	17.663
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	6.849	6.854	(0.912)	1650272	3.31893	13.276
100 1,2-Diphenylhydrazine	77	6.881	6.881	(0.917)	3622708	3.83428	15.337
106 4-Bromophenyl-phenylether	248	7.153	7.153	(0.953)	605626	3.56318	14.253
107 Hexachlorobenzene	284	7.191	7.190	(0.958)	621764	3.46590	13.864
212 Atrazine	200	7.308	7.308	(0.974)	643256	3.57245	14.290(Q)
111 Pentachlorophenol	266	7.361	7.356	(0.981)	53060	0.39773	1.5909(R)
115 Phenanthrene	178	7.527	7.532	(1.003)	3557411	3.47919	13.917
116 Anthracene	178	7.570	7.570	(1.009)	3544266	3.57779	14.311
119 Carbazole	167	7.709	7.709	(1.027)	3212426	3.63362	14.534
120 Di-n-Butylphthalate	149	8.019	8.019	(1.068)	3336756	2.95002	11.800
123 Fluoranthene	202	8.499	8.505	(1.132)	3646914	3.56734	14.269
125 Pyrene	202	8.686	8.686	(0.897)	3566134	3.36119	13.445
131 Butylbenzylphthalate	149	9.247	9.247	(0.955)	1503315	3.07473	12.299
135 3,3'-Dichlorobenzidine	252	9.669	9.669	(0.998)	905145	2.54081	10.163
136 Benzo(a)Anthracene	228	9.680	9.680	(0.999)	3922627	3.77488	15.100

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
137 Chrysene	228	9.707	9.712	(1.002)	3014152	3.12560	12.502
139 bis(2-ethylhexyl)Phthalate	149	9.739	9.739	(1.006)	3685823	5.18970	20.759(Q)
140 Di-n-octylphthalate	149	10.273	10.273	(0.947)	4304932	3.68389	14.736
141 Benzo(b)fluoranthene	252	10.556	10.556	(0.973)	4207005	3.86826	15.473
142 Benzo(k)fluoranthene	252	10.578	10.577	(0.975)	3227396	3.07091	12.284
146 Benzo(a)pyrene	252	10.802	10.802	(0.996)	3180219	3.45654	13.826
149 Indeno(1,2,3-cd)pyrene	276	11.758	11.758	(1.084)	3744034	3.42598	13.704
150 Dibenz(a,h)anthracene	278	11.774	11.774	(1.086)	3188891	3.48332	13.933
151 Benzo(g,h,i)perylene	276	12.015	12.020	(1.108)	3144817	3.43589	13.744
198 1,4-Dioxane	88	1.795	1.688	(0.475)	500123	3.40201	13.608(MH)
201 Quinoline	129	5.134	5.134	(1.062)	2069065	3.72477	14.899
214 1,3-Dimethyl-2-Thiourea	104	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.247	4.247	(0.878)	1558615	3.58329	14.333
$ 155 2-Fluorobiphenyl	172	5.743	5.743	(0.913)	2189116	3.40543	13.622
$ 156 Terphenyl-d14	244	8.831	8.831	(0.912)	2571971	3.72967	14.919
$ 157 Phenol-d5	99	3.504	3.494	(0.927)	2482571	5.06482	20.259
$ 158 2-Fluorophenol	112	2.789	2.746	(0.737)	1422744	4.16945	16.678
$ 159 2,4,6-Tribromophenol	330	6.939	6.939	(1.104)	290093	3.49914	13.996
$ 186 2-Chlorophenol-d4	132	3.606	3.595	(0.953)	1406285	4.64928	18.597
$ 187 1,2-Dichlorobenzene-d4	152	3.905	3.905	(1.032)	536482	3.15660	12.626
M 195 Cresols, total	100				3623801	9.40383	37.615

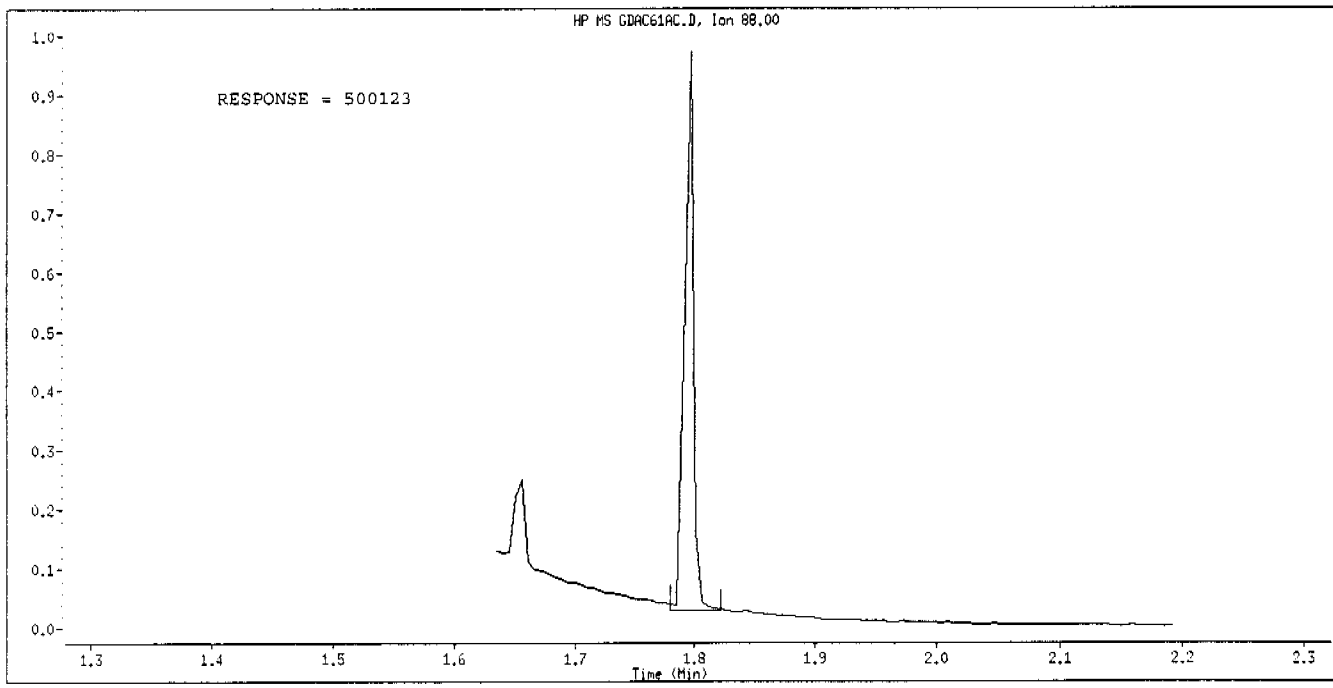
QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: GDAC61AC.D
Inj. Date and Time: 08-APR-2004 12:21
Instrument ID: a4hp10.i
Client ID: INTRA-LAB CHECK
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: ulmanm
Manual Integration Reason: Poor Chromatography

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDK2N1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D060000-208
Prep Date.....: 04/06/04 **Analysis Date..:** 04/12/04
Prep Batch #...: 4097208
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Carbazole	89	(50 - 118)	SW846 8270C
Acenaphthene	**82**	**(39 - 118)**	**SW846 8270C**
Acenaphthylene	83	(51 - 110)	SW846 8270C
Anthracene	90	(54 - 116)	SW846 8270C
Benzo(a)anthracene	86	(49 - 112)	SW846 8270C
Benzo(a)pyrene	92	(50 - 116)	SW846 8270C
Benzo(b)fluoranthene	88	(51 - 115)	SW846 8270C
Benzo(ghi)perylene	89	(47 - 118)	SW846 8270C
Benzo(k)fluoranthene	101	(52 - 116)	SW846 8270C
4-Bromophenyl phenyl ether	87	(56 - 113)	SW846 8270C
Butyl benzyl phthalate	87	(46 - 121)	SW846 8270C
4-Chloroaniline	61	(21 - 110)	SW846 8270C
bis(2-Chloroethoxy) methane	89	(54 - 112)	SW846 8270C
bis(2-Chloroethyl)-ether	93	(59 - 114)	SW846 8270C
bis(2-Chloroisopropyl) ether	89	(53 - 118)	SW846 8270C
4-Chloro-3-methylphenol	**82**	**(29 - 124)**	**SW846 8270C**
2-Chloronaphthalene	82	(50 - 116)	SW846 8270C
2-Chlorophenol	**80**	**(19 - 124)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	87	(56 - 112)	SW846 8270C
Chrysene	89	(49 - 118)	SW846 8270C
Dibenz(a,h)anthracene	87	(48 - 124)	SW846 8270C
Dibenzofuran	86	(53 - 112)	SW846 8270C
Di-n-butyl phthalate	82	(50 - 116)	SW846 8270C
1,2-Dichlorobenzene	67	(44 - 110)	SW846 8270C
1,3-Dichlorobenzene	64	(38 - 110)	SW846 8270C
1,4-Dichlorobenzene	**71**	**(28 - 110)**	**SW846 8270C**
3,3'-Dichlorobenzidine	36	(10 - 110)	SW846 8270C
2,4-Dichlorophenol	76	(51 - 118)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDK2N1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D060000-208

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diethyl phthalate	27	(14 - 135)	SW846 8270C
2,4-Dimethylphenol	31	(10 - 123)	SW846 8270C
Dimethyl phthalate	5.6 a	(10 - 150)	SW846 8270C
4,6-Dinitro-2-methylphenol	84	(22 - 143)	SW846 8270C
2,4-Dinitrophenol	81	(10 - 146)	SW846 8270C
2,4-Dinitrotoluene	**89**	**(47 - 131)**	**SW846 8270C**
2,6-Dinitrotoluene	91	(59 - 125)	SW846 8270C
Di-n-octyl phthalate	103	(49 - 130)	SW846 8270C
bis(2-Ethylhexyl) phthalate	97	(49 - 124)	SW846 8270C
Fluoranthene	89	(54 - 118)	SW846 8270C
Fluorene	85	(53 - 114)	SW846 8270C
Hexachlorobenzene	84	(54 - 114)	SW846 8270C
Hexachlorobutadiene	50	(36 - 113)	SW846 8270C
Hexachlorocyclopentadiene	0.0 a	(10 - 114)	SW846 8270C
Hexachloroethane	56	(29 - 115)	SW846 8270C
Indeno(1,2,3-cd)pyrene	91	(45 - 120)	SW846 8270C
Isophorone	95	(54 - 111)	SW846 8270C
2-Methylnaphthalene	79	(52 - 110)	SW846 8270C
2-Methylphenol	76	(33 - 115)	SW846 8270C
4-Methylphenol	82	(49 - 110)	SW846 8270C
Naphthalene	78	(49 - 112)	SW846 8270C
2-Nitroaniline	91	(53 - 122)	SW846 8270C
3-Nitroaniline	72	(10 - 140)	SW846 8270C
4-Nitroaniline	74	(32 - 116)	SW846 8270C
Nitrobenzene	89	(56 - 119)	SW846 8270C
2-Nitrophenol	84	(46 - 129)	SW846 8270C
4-Nitrophenol	**70**	**(19 - 144)**	**SW846 8270C**
N-Nitrosodiphenylamine	86	(49 - 117)	SW846 8270C
N-Nitrosodi-n-propylamine	**85**	**(30 - 115)**	**SW846 8270C**
Pentachlorophenol	**83**	**(10 - 140)**	**SW846 8270C**
Phenanthrene	85	(53 - 112)	SW846 8270C
Phenol	**83**	**(10 - 131)**	**SW846 8270C**
Pyrene	**85**	**(46 - 130)**	**SW846 8270C**

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDK2N1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D060000-208

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzoic acid	74	(10 - 151)	SW846 8270C
Pyridine	13 a	(70 - 130)	SW846 8270C
1,4-Dioxane	70	(10 - 200)	SW846 8270C
1,2,4-Trichloro-benzene	**66**	**(31 - 110)**	**SW846 8270C**
2,4,5-Trichloro-phenol	80	(46 - 122)	SW846 8270C
2,4,6-Trichloro-phenol	78	(46 - 118)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(32 - 112)
2-Fluorobiphenyl	79	(30 - 110)
Terphenyl-d14	92	(10 - 144)
Phenol-d5	86	(10 - 113)
2-Fluorophenol	86	(13 - 110)
2,4,6-Tribromophenol	76	(21 - 122)

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 Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDK2N1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D060000-208
Prep Date.....: 04/06/04 **Analysis Date..:** 04/12/04
Prep Batch #...: 4097208
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Carbazole	20	18	ug/L	89	SW846 8270C
Acenaphthene	**20**	**16**	**ug/L**	**82**	**SW846 8270C**
Acenaphthylene	20	17	ug/L	83	SW846 8270C
Anthracene	20	18	ug/L	90	SW846 8270C
Benzo(a)anthracene	20	17	ug/L	86	SW846 8270C
Benzo(a)pyrene	20	18	ug/L	92	SW846 8270C
Benzo(b)fluoranthene	20	18	ug/L	88	SW846 8270C
Benzo(ghi)perylene	20	18	ug/L	89	SW846 8270C
Benzo(k)fluoranthene	20	20	ug/L	101	SW846 8270C
4-Bromophenyl phenyl ether	20	17	ug/L	87	SW846 8270C
Butyl benzyl phthalate	20	17	ug/L	87	SW846 8270C
4-Chloroaniline	20	12	ug/L	61	SW846 8270C
bis(2-Chloroethoxy) methane	20	18	ug/L	89	SW846 8270C
bis(2-Chloroethyl)-ether	20	19	ug/L	93	SW846 8270C
bis(2-Chloroisopropyl) ether	20	18	ug/L	89	SW846 8270C
4-Chloro-3-methylphenol	**20**	**16**	**ug/L**	**82**	**SW846 8270C**
2-Chloronaphthalene	20	16	ug/L	82	SW846 8270C
2-Chlorophenol	**20**	**16**	**ug/L**	**80**	**SW846 8270C**
4-Chlorophenyl phenyl ether	20	17	ug/L	87	SW846 8270C
Chrysene	20	18	ug/L	89	SW846 8270C
Dibenz(a,h)anthracene	20	17	ug/L	87	SW846 8270C
Dibenzofuran	20	17	ug/L	86	SW846 8270C
Di-n-butyl phthalate	20	16	ug/L	82	SW846 8270C
1,2-Dichlorobenzene	20	13	ug/L	67	SW846 8270C
1,3-Dichlorobenzene	20	13	ug/L	64	SW846 8270C
1,4-Dichlorobenzene	**20**	**14**	**ug/L**	**71**	**SW846 8270C**
3,3'-Dichlorobenzidine	20	7.2	ug/L	36	SW846 8270C
2,4-Dichlorophenol	20	15	ug/L	76	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDK2N1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D060000-208

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Diethyl phthalate	20	5.3	ug/L	27	SW846 8270C
2,4-Dimethylphenol	20	6.2	ug/L	31	SW846 8270C
Dimethyl phthalate	20	1.1 a	ug/L	5.6	SW846 8270C
4,6-Dinitro-2-methylphenol	20	17	ug/L	84	SW846 8270C
2,4-Dinitrophenol	20	16	ug/L	81	SW846 8270C
2,4-Dinitrotoluene	**20**	**18**	**ug/L**	**89**	**SW846 8270C**
2,6-Dinitrotoluene	20	18	ug/L	91	SW846 8270C
Di-n-octyl phthalate	20	21	ug/L	103	SW846 8270C
bis(2-Ethylhexyl) phthalate	20	19	ug/L	97	SW846 8270C
Fluoranthene	20	18	ug/L	89	SW846 8270C
Fluorene	20	17	ug/L	85	SW846 8270C
Hexachlorobenzene	20	17	ug/L	84	SW846 8270C
Hexachlorobutadiene	20	10	ug/L	50	SW846 8270C
Hexachlorocyclopentadiene	20	0.0 a	ug/L	0.0	SW846 8270C
Hexachloroethane	20	11	ug/L	56	SW846 8270C
Indeno(1,2,3-cd)pyrene	20	18	ug/L	91	SW846 8270C
Isophorone	20	19	ug/L	95	SW846 8270C
2-Methylnaphthalene	20	16	ug/L	79	SW846 8270C
2-Methylphenol	20	15	ug/L	76	SW846 8270C
4-Methylphenol	40	33	ug/L	82	SW846 8270C
Naphthalene	20	16	ug/L	78	SW846 8270C
2-Nitroaniline	20	18	ug/L	91	SW846 8270C
3-Nitroaniline	20	14	ug/L	72	SW846 8270C
4-Nitroaniline	20	15	ug/L	74	SW846 8270C
Nitrobenzene	20	18	ug/L	89	SW846 8270C
2-Nitrophenol	20	17	ug/L	84	SW846 8270C
4-Nitrophenol	**20**	**14**	**ug/L**	**70**	**SW846 8270C**
N-Nitrosodiphenylamine	20	17	ug/L	86	SW846 8270C
N-Nitrosodi-n-propylamine	**20**	**17**	**ug/L**	**85**	**SW846 8270C**
Pentachlorophenol	**20**	**17**	**ug/L**	**83**	**SW846 8270C**
Phenanthrene	20	17	ug/L	85	SW846 8270C
Phenol	**20**	**17**	**ug/L**	**83**	**SW846 8270C**
Pyrene	**20**	**17**	**ug/L**	**85**	**SW846 8270C**

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDK2N1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D060000-208

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzoic acid	20	15	ug/L	74	SW846 8270C
Pyridine	20	2.6 a	ug/L	13	SW846 8270C
1,4-Dioxane	20	14	ug/L	70	SW846 8270C
1,2,4-Trichloro-benzene	**20**	**13**	**ug/L**	**66**	**SW846 8270C**
2,4,5-Trichloro-phenol	20	16	ug/L	80	SW846 8270C
2,4,6-Trichloro-phenol	20	16	ug/L	78	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(32 - 112)
2-Fluorobiphenyl	79	(30 - 110)
Terphenyl-d14	92	(10 - 144)
Phenol-d5	86	(10 - 113)
2-Fluorophenol	86	(13 - 110)
2,4,6-Tribromophenol	76	(21 - 122)

NOTE(S):

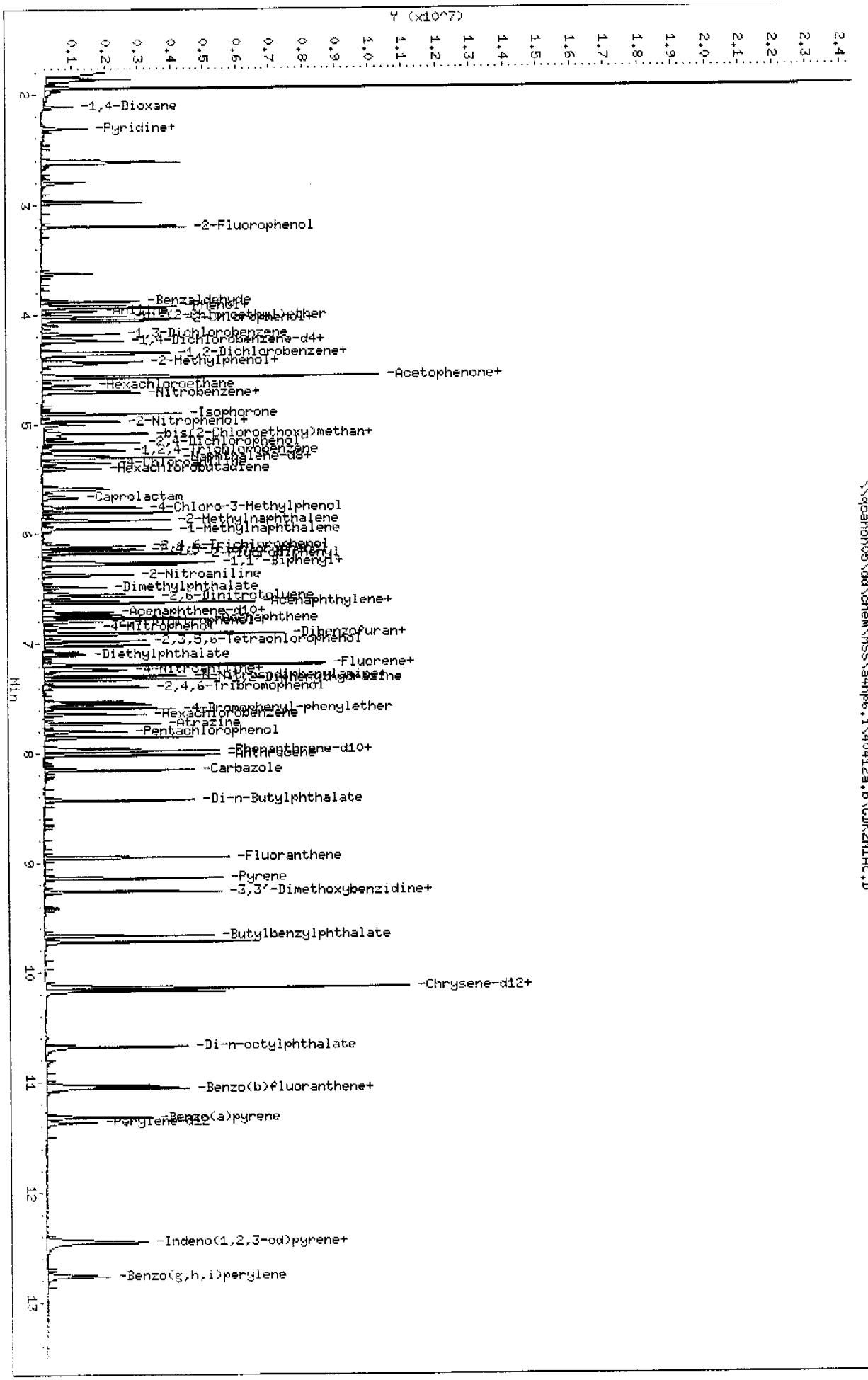
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40412a.b\GDK2H1AC.D
Date : 12-APR-2004 19:54
Client ID: IHTPA-LAB CHECK
Sample Info: gdk2hiac,40412a,b,827Qp,3-827042,sub
Volume Injected (uL): 0.5
Column phase: db5,625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

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Lab Smp Id: GDK2N1AC Client Smp ID: INTRA-LAB CHECK
Inj Date : 12-APR-2004 19:54
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gdk2n1ac,40412a.b,8270p,3-827042.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 13-Apr-2004 08:21 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 13:28 Cal File: 6AMH0412.D
Als bottle: 14 QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.225	4.221	(1.000)	147351	2.00000	
* 2 Naphthalene-d8	136	5.279	5.278	(1.000)	584504	2.00000	
* 3 Acenaphthene-d10	164	6.737	6.733	(1.000)	339970	2.00000	
* 4 Phenanthrene-d10	188	7.959	7.955	(1.000)	619026	2.00000	
* 5 Chrysene-d12	240	10.147	10.143	(1.000)	582687	2.00000	
* 6 Perylene-d12	264	11.361	11.357	(1.000)	385785	2.00000	
198 1,4-Dioxane	88	2.106	2.097	(0.499)	214086	3.49548	13.982
9 Pyridine	79	2.322	2.305	(0.550)	108806	0.66135	2.6454
10 N-Nitrosodimethylamine	74	2.307	2.300	(0.546)	522870	4.18614	16.744
12 3-Chloropropionitrile	54	Compound Not Detected.					
209 Benzaldehyde	77	3.881	3.879	(0.918)	613372	5.14313	20.572(R)
21 Aniline	93	3.968	3.964	(0.939)	579605	2.45350	9.8140
22 Phenol	94	3.937	3.928	(0.932)	807203	4.14608	16.584
23 bis(2-Chloroethyl)ether	93	4.014	4.010	(0.950)	660515	4.66164	18.646
24 2-Chlorophenol	128	4.058	4.051	(0.960)	410700	4.00274	16.011
26 1,3-Dichlorobenzene	146	4.179	4.177	(0.989)	299288	3.17966	12.719
27 1,4-Dichlorobenzene	146	4.238	4.236	(1.003)	302475	3.52921	14.117
28 1,2-Dichlorobenzene	146	4.367	4.362	(1.033)	305460	3.35906	13.436
29 Benzyl Alcohol	108	4.343	4.339	(1.028)	370481	4.10194	16.408
30 2-Methylphenol	108	4.428	4.424	(1.048)	488039	3.78955	15.158

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
31 bis(2-Chloroisopropyl)ether	45	4.449	4.450	(1.053)	532616	4.46973	17.879
37 Acetophenone	105	4.565	4.558	(1.080)	785188	4.44362	17.774(Q)
32 N-Nitroso-di-n-propylamine	70	4.570	4.563	(1.082)	638353	4.24044	16.962
192 4-Methylphenol	108	4.565	4.553	(1.080)	1045099	8.23471	32.939
34 Hexachloroethane	117	4.639	4.637	(1.098)	128318	2.79860	11.194
35 Nitrobenzene	77	4.706	4.702	(0.891)	936740	4.45509	17.820
41 Isophorone	82	4.901	4.897	(0.928)	1607563	4.75024	19.001
42 2-Nitrophenol	139	4.968	4.964	(0.941)	229360	4.19404	16.776(Q)
43 2,4-Dimethylphenol	107	4.999	4.995	(0.947)	229834	1.55536	6.2214
44 bis(2-Chloroethoxy)methane	93	5.081	5.077	(0.962)	794917	4.46115	17.845
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	5.164	5.157	(0.978)	311777	3.77666	15.107
49 Benzoic Acid	122	5.117	5.116	(0.969)	227897	3.67543	14.702(QRM)
50 1,2,4-Trichlorobenzene	180	5.231	5.229	(0.991)	277605	3.30334	13.213
51 Naphthalene	128	5.297	5.296	(1.003)	1155461	3.90874	15.635
52 4-Chloroaniline	127	5.346	5.342	(1.013)	367918	3.03504	12.140
56 Hexachlorobutadiene	225	5.398	5.396	(1.022)	127044	2.51904	10.076
210 Caprolactam	113	5.665	5.651	(1.073)	183196	4.67984	18.719
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	5.755	5.746	(1.090)	507235	4.10086	16.403
62 2-Methylnaphthalene	142	5.873	5.869	(1.113)	732118	3.93729	15.749
63 1-Methylnaphthalene	142	5.956	5.951	(1.128)	692148	3.82569	15.303
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	6.110	6.106	(0.907)	255793	3.91658	15.666
67 2,4,5-Trichlorophenol	196	6.141	6.134	(0.911)	271464	3.98144	15.926
211 1,1'-Biphenyl	154	6.262	6.257	(0.929)	993050	4.06438	16.258
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
70 2-Chloronaphthalene	162	6.277	6.273	(0.932)	728204	4.11852	16.474
73 2-Nitroaniline	65	6.372	6.365	(0.946)	505298	4.55313	18.212
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
76 Dimethylphthalate	163	6.519	6.515	(0.968)	59070	0.28092	1.1237(R)
78 2,6-Dinitrotoluene	165	6.570	6.563	(0.975)	206603	4.55002	18.200
79 Acenaphthylene	152	6.622	6.617	(0.983)	1283079	4.13187	16.527
80 1,2-Dinitrobenzene	168	6.622	6.615	(0.983)	116701	4.72427	18.897
81 3-Nitroaniline	138	6.712	6.707	(0.996)	184701	3.60167	14.407
82 Acenaphthene	153	6.766	6.761	(1.004)	833572	4.12143	16.486
83 2,4-Dinitrophenol	184	6.794	6.792	(1.008)	143388	4.03876	16.155
85 4-Nitrophenol	109	6.848	6.839	(1.016)	179988	3.50230	14.009
86 Dibenzofuran	168	6.905	6.903	(1.025)	1175008	4.27532	17.101
87 2,4-Dinitrotoluene	165	6.905	6.898	(1.025)	287549	4.46780	17.871
91 2,3,5,6-Tetrachlorophenol	232	6.971	6.967	(1.035)	238611	4.03197	16.128
93 Diethylphthalate	149	7.095	7.093	(1.053)	300197	1.33685	5.3474
94 Fluorene	166	7.187	7.183	(1.067)	917824	4.26424	17.057
95 4-Chlorophenyl-phenylether	204	7.185	7.183	(1.066)	472474	4.34574	17.383
96 4-Nitroaniline	138	7.221	7.214	(1.072)	201090	3.71639	14.866
98 4,6-Dinitro-2-methylphenol	198	7.236	7.229	(0.909)	186323	4.18190	16.728
99 N-Nitrosodiphenylamine	169	7.288	7.283	(0.916)	684200	4.31897	17.276
100 1,2-Diphenylhydrazine	77	7.319	7.312	(0.920)	2015175	4.79927	19.197
106 4-Bromophenyl-phenylether	248	7.589	7.584	(0.953)	255702	4.37414	17.496
107 Hexachlorobenzene	284	7.643	7.638	(0.960)	232203	4.17713	16.708
212 Atrazine	200	7.730	7.721	(0.971)	270224	4.75571	19.023
111 Pentachlorophenol	266	7.805	7.800	(0.981)	175465	4.15297	16.612
115 Phenanthrene	178	7.979	7.975	(1.003)	1357953	4.26654	17.066

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
116 Anthracene	178	8.021	8.016	(1.008)	1366186	4.48617	17.945
119 Carbazole	167	8.154	8.150	(1.025)	1282837	4.44624	17.785
120 Di-n-Butylphthalate	149	8.432	8.428	(1.059)	1520462	4.12142	16.486
123 Fluoranthene	202	8.951	8.947	(1.125)	1633382	4.46220	17.849
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.139	9.135	(0.901)	1562964	4.24969	16.999
131 Butylbenzylphthalate	149	9.661	9.657	(0.952)	669724	4.32815	17.313
133 3,3'-Dimethoxybenzidine	244	9.260	9.256	(0.913)	1022103	4.70583	18.823
135 3,3'-Dichlorobenzidine	252	10.116	10.112	(0.997)	213614	1.79317	7.1727
136 Benzo(a)Anthracene	228	10.134	10.130	(0.999)	1464266	4.30931	17.237
137 Chrysene	228	10.170	10.163	(1.002)	1441604	4.46859	17.874
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.137	10.133	(0.999)	1106016	4.86580	19.463
140 Di-n-octylphthalate	149	10.674	10.670	(0.940)	1689483	5.13014	20.520
141 Benzo(b)fluoranthene	252	11.029	11.020	(0.971)	1301385	4.40692	17.628
142 Benzo(k)fluoranthene	252	11.052	11.045	(0.973)	1471819	5.03438	20.138
146 Benzo(a)pyrene	252	11.315	11.308	(0.996)	1206842	4.58557	18.342
149 Indeno(1,2,3-cd)pyrene	276	12.446	12.432	(1.096)	1316470	4.53888	18.156
150 Dibenz(a,h)anthracene	278	12.459	12.444	(1.097)	1055563	4.33292	17.332
151 Benzo(g,h,i)perylene	276	12.765	12.750	(1.124)	1082205	4.45142	17.806
$ 154 Nitrobenzene-d5	82	4.691	4.686	(0.888)	894633	4.56325	18.253
$ 155 2-Fluorobiphenyl	172	6.177	6.175	(0.917)	889404	3.92963	15.718
$ 156 Terphenyl-d14	244	9.260	9.256	(0.913)	1022103	4.61351	18.454
$ 157 Phenol-d5	99	3.927	3.915	(0.929)	1106941	6.47416	25.897
$ 158 2-Fluorophenol	112	3.199	3.190	(0.757)	699916	6.46753	25.870
$ 159 2,4,6-Tribromophenol	330	7.391	7.384	(1.097)	148940	5.69659	22.786
$ 186 2-Chlorophenol-d4	132	4.045	4.038	(0.957)	595992	6.00853	24.034
$ 187 1,2-Dichlorobenzene-d4	152	4.354	4.349	(1.030)	213367	3.57532	14.301
M 195 Cresols, total	100				1533138	12.0243	48.097
101 Diphenylamine	169	7.288	7.283	(0.916)	684200	4.31897	17.276

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GD2CV1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D130000-113
Prep Date.....: 04/13/04 **Analysis Date..:** 04/14/04
Prep Batch #...: 4104113
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Carbazole	74	(50 - 118)	SW846 8270C
Acenaphthene	**61**	**(39 - 118)**	**SW846 8270C**
Acenaphthylene	62	(51 - 110)	SW846 8270C
Anthracene	77	(54 - 116)	SW846 8270C
Benzo(a)anthracene	74	(49 - 112)	SW846 8270C
Benzo(a)pyrene	75	(50 - 116)	SW846 8270C
Benzo(b)fluoranthene	83	(51 - 115)	SW846 8270C
Benzo(ghi)perylene	75	(47 - 118)	SW846 8270C
Benzo(k)fluoranthene	62	(52 - 116)	SW846 8270C
4-Bromophenyl phenyl ether	76	(56 - 113)	SW846 8270C
Butyl benzyl phthalate	73	(46 - 121)	SW846 8270C
4-Chloroaniline	51	(21 - 110)	SW846 8270C
bis(2-Chloroethoxy) methane	51 a	(54 - 112)	SW846 8270C
bis(2-Chloroethyl)-ether	53 a	(59 - 114)	SW846 8270C
bis(2-Chloroisopropyl) ether	47 a	(53 - 118)	SW846 8270C
4-Chloro-3-methylphenol	**60**	**(29 - 124)**	**SW846 8270C**
2-Chloronaphthalene	62	(50 - 116)	SW846 8270C
2-Chlorophenol	**58**	**(19 - 124)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	65	(56 - 112)	SW846 8270C
Chrysene	68	(49 - 118)	SW846 8270C
Dibenz(a,h)anthracene	73	(48 - 124)	SW846 8270C
Dibenzofuran	61	(53 - 112)	SW846 8270C
Di-n-butyl phthalate	74	(50 - 116)	SW846 8270C
1,2-Dichlorobenzene	60	(44 - 110)	SW846 8270C
1,3-Dichlorobenzene	60	(38 - 110)	SW846 8270C
1,4-Dichlorobenzene	**67**	**(28 - 110)**	**SW846 8270C**
3,3'-Dichlorobenzidine	49	(10 - 110)	SW846 8270C
2,4-Dichlorophenol	61	(51 - 118)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GD2CV1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D130000-113

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diethyl phthalate	63	(14 - 135)	SW846 8270C
2,4-Dimethylphenol	52	(10 - 123)	SW846 8270C
Dimethyl phthalate	51	(10 - 150)	SW846 8270C
4,6-Dinitro-2-methylphenol	70	(22 - 143)	SW846 8270C
2,4-Dinitrophenol	57	(10 - 146)	SW846 8270C
2,4-Dinitrotoluene	**71**	**(47 - 131)**	**SW846 8270C**
2,6-Dinitrotoluene	76	(59 - 125)	SW846 8270C
Di-n-octyl phthalate	76	(49 - 130)	SW846 8270C
bis(2-Ethylhexyl) phthalate	76	(49 - 124)	SW846 8270C
Fluoranthene	69	(54 - 118)	SW846 8270C
Fluorene	66	(53 - 114)	SW846 8270C
Hexachlorobenzene	78	(54 - 114)	SW846 8270C
Hexachlorobutadiene	57	(36 - 113)	SW846 8270C
Hexachlorocyclopentadiene	59	(10 - 114)	SW846 8270C
Hexachloroethane	53	(29 - 115)	SW846 8270C
Indeno(1,2,3-cd)pyrene	75	(45 - 120)	SW846 8270C
Isophorone	58	(54 - 111)	SW846 8270C
2-Methylnaphthalene	60	(52 - 110)	SW846 8270C
2-Methylphenol	47	(33 - 115)	SW846 8270C
4-Methylphenol	50	(49 - 110)	SW846 8270C
Naphthalene	58	(49 - 112)	SW846 8270C
2-Nitroaniline	57	(53 - 122)	SW846 8270C
3-Nitroaniline	64	(10 - 140)	SW846 8270C
4-Nitroaniline	72	(32 - 116)	SW846 8270C
Nitrobenzene	50 a	(56 - 119)	SW846 8270C
2-Nitrophenol	63	(46 - 129)	SW846 8270C
4-Nitrophenol	**34**	**(19 - 144)**	**SW846 8270C**
N-Nitrosodiphenylamine	74	(49 - 117)	SW846 8270C
N-Nitrosodi-n-propylamine	**49**	**(30 - 115)**	**SW846 8270C**
Pentachlorophenol	**58**	**(10 - 140)**	**SW846 8270C**
Phenanthrene	72	(53 - 112)	SW846 8270C
Phenol	**32**	**(10 - 131)**	**SW846 8270C**
Pyrene	**62**	**(46 - 130)**	**SW846 8270C**

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GD2CV1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D130000-113

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzoic acid	20	(10 - 151)	SW846 8270C
Pyridine	39 a	(70 - 130)	SW846 8270C
1,4-Dioxane	42	(10 - 200)	SW846 8270C
1,2,4-Trichloro-benzene	**55**	**(31 - 110)**	**SW846 8270C**
2,4,5-Trichloro-phenol	62	(46 - 122)	SW846 8270C
2,4,6-Trichloro-phenol	61	(46 - 118)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	53	(32 - 112)
2-Fluorobiphenyl	60	(30 - 110)
Terphenyl-d14	76	(10 - 144)
Phenol-d5	33	(10 - 113)
2-Fluorophenol	48	(13 - 110)
2,4,6-Tribromophenol	70	(21 - 122)

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 Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GD2CV1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D130000-113
Prep Date.....: 04/13/04 **Analysis Date..:** 04/14/04
Prep Batch #...: 4104113
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Carbazole	20	15	ug/L	74	SW846 8270C
Acenaphthene	**20**	**12**	**ug/L**	**61**	**SW846 8270C**
Acenaphthylene	20	12	ug/L	62	SW846 8270C
Anthracene	20	15	ug/L	77	SW846 8270C
Benzo(a)anthracene	20	15	ug/L	74	SW846 8270C
Benzo(a)pyrene	20	15	ug/L	75	SW846 8270C
Benzo(b)fluoranthene	20	17	ug/L	83	SW846 8270C
Benzo(ghi)perylene	20	15	ug/L	75	SW846 8270C
Benzo(k)fluoranthene	20	12	ug/L	62	SW846 8270C
4-Bromophenyl phenyl ether	20	15	ug/L	76	SW846 8270C
Butyl benzyl phthalate	20	15	ug/L	73	SW846 8270C
4-Chloroaniline	20	10	ug/L	51	SW846 8270C
bis(2-Chloroethoxy) methane	20	10 a	ug/L	51	SW846 8270C
bis(2-Chloroethyl)-ether	20	11 a	ug/L	53	SW846 8270C
bis(2-Chloroisopropyl) ether	20	9.4 a	ug/L	47	SW846 8270C
4-Chloro-3-methylphenol	**20**	**12**	**ug/L**	**60**	**SW846 8270C**
2-Chloronaphthalene	20	12	ug/L	62	SW846 8270C
2-Chlorophenol	**20**	**12**	**ug/L**	**58**	**SW846 8270C**
4-Chlorophenyl phenyl ether	20	13	ug/L	65	SW846 8270C
Chrysene	20	14	ug/L	68	SW846 8270C
Dibenz(a,h)anthracene	20	15	ug/L	73	SW846 8270C
Dibenzofuran	20	12	ug/L	61	SW846 8270C
Di-n-butyl phthalate	20	15	ug/L	74	SW846 8270C
1,2-Dichlorobenzene	20	12	ug/L	60	SW846 8270C
1,3-Dichlorobenzene	20	12	ug/L	60	SW846 8270C
1,4-Dichlorobenzene	**20**	**13**	**ug/L**	**67**	**SW846 8270C**
3,3'-Dichlorobenzidine	20	9.7	ug/L	49	SW846 8270C
2,4-Dichlorophenol	20	12	ug/L	61	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GD2CV1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D130000-113

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Diethyl phthalate	20	13	ug/L	63	SW846 8270C
2,4-Dimethylphenol	20	10	ug/L	52	SW846 8270C
Dimethyl phthalate	20	10	ug/L	51	SW846 8270C
4,6-Dinitro-2-methylphenol	20	14	ug/L	70	SW846 8270C
2,4-Dinitrophenol	20	11	ug/L	57	SW846 8270C
2,4-Dinitrotoluene	**20**	**14**	**ug/L**	**71**	**SW846 8270C**
2,6-Dinitrotoluene	20	15	ug/L	76	SW846 8270C
Di-n-octyl phthalate	20	15	ug/L	76	SW846 8270C
bis(2-Ethylhexyl) phthalate	20	15	ug/L	76	SW846 8270C
Fluoranthene	20	14	ug/L	69	SW846 8270C
Fluorene	20	13	ug/L	66	SW846 8270C
Hexachlorobenzene	20	16	ug/L	78	SW846 8270C
Hexachlorobutadiene	20	11	ug/L	57	SW846 8270C
Hexachlorocyclopenta-diene	20	12	ug/L	59	SW846 8270C
Hexachloroethane	20	11	ug/L	53	SW846 8270C
Indeno(1,2,3-cd)pyrene	20	15	ug/L	75	SW846 8270C
Isophorone	20	12	ug/L	58	SW846 8270C
2-Methylnaphthalene	20	12	ug/L	60	SW846 8270C
2-Methylphenol	20	9.4	ug/L	47	SW846 8270C
4-Methylphenol	40	20	ug/L	50	SW846 8270C
Naphthalene	20	12	ug/L	58	SW846 8270C
2-Nitroaniline	20	11	ug/L	57	SW846 8270C
3-Nitroaniline	20	13	ug/L	64	SW846 8270C
4-Nitroaniline	20	14	ug/L	72	SW846 8270C
Nitrobenzene	20	10 a	ug/L	50	SW846 8270C
2-Nitrophenol	20	13	ug/L	63	SW846 8270C
4-Nitrophenol	**20**	**6.9**	**ug/L**	**34**	**SW846 8270C**
N-Nitrosodiphenylamine	20	15	ug/L	74	SW846 8270C
N-Nitrosodi-n-propyl-amine	**20**	**9.9**	**ug/L**	**49**	**SW846 8270C**
Pentachlorophenol	**20**	**12**	**ug/L**	**58**	**SW846 8270C**
Phenanthrene	20	14	ug/L	72	SW846 8270C
Phenol	**20**	**6.4**	**ug/L**	**32**	**SW846 8270C**
Pyrene	**20**	**12**	**ug/L**	**62**	**SW846 8270C**

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GD2CV1AC **Matrix.....:** WATER
LCS Lot-Sample#: A4D130000-113

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzoic acid	20	4.1	ug/L	20	SW846 8270C
Pyridine	20	7.8 a	ug/L	39	SW846 8270C
1,4-Dioxane	20	8.5	ug/L	42	SW846 8270C
1,2,4-Trichloro-benzene	**20**	**11**	**ug/L**	**55**	**SW846 8270C**
2,4,5-Trichloro-phenol	20	12	ug/L	62	SW846 8270C
2,4,6-Trichloro-phenol	20	12	ug/L	61	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	53	(32 - 112)
2-Fluorobiphenyl	60	(30 - 110)
Terphenyl-d14	76	(10 - 144)
Phenol-d5	33	(10 - 113)
2-Fluorophenol	48	(13 - 110)
2,4,6-Tribromophenol	70	(21 - 122)

NOTE(S):

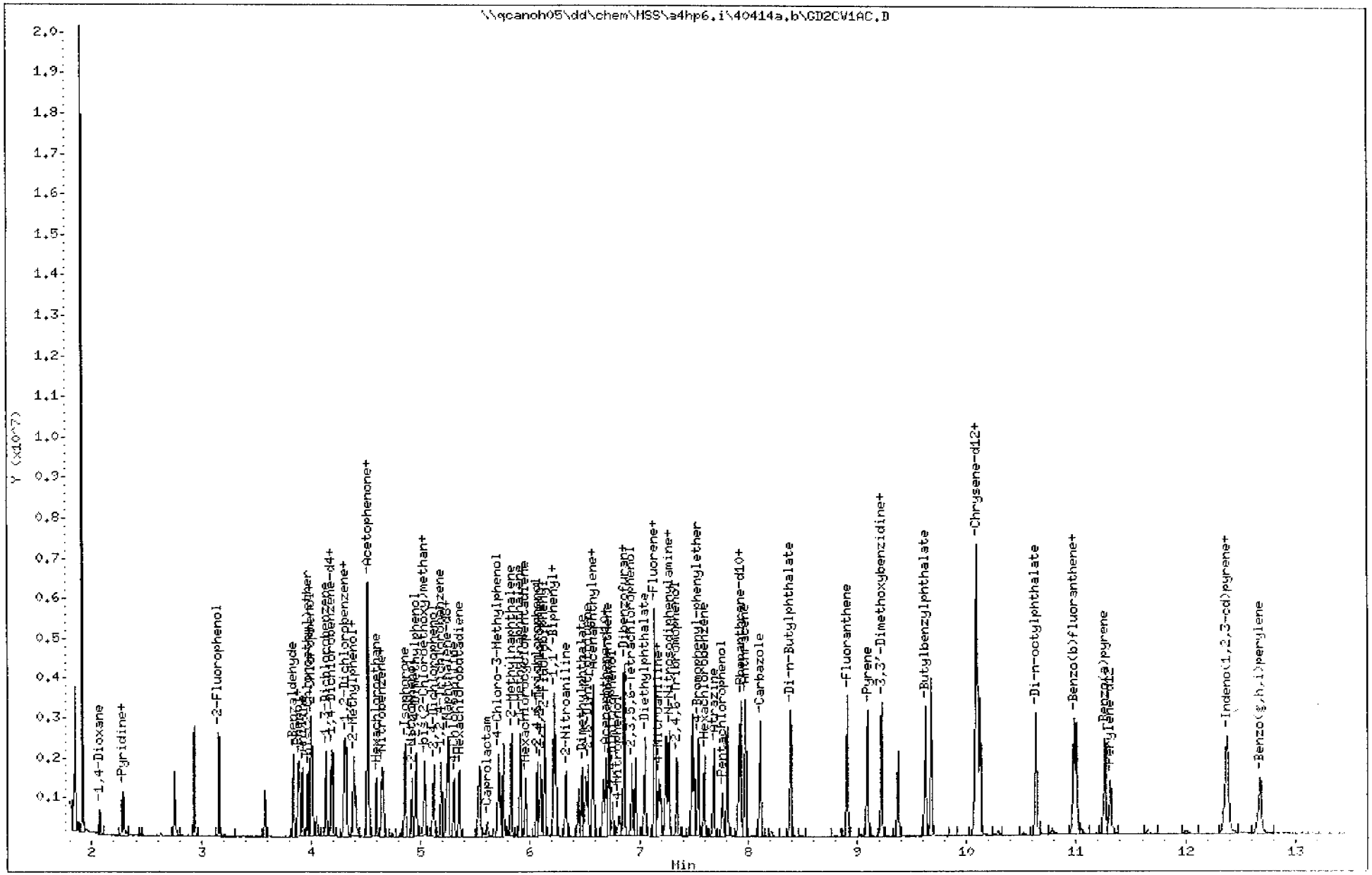
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh05\dd\chem\HSS\a4hp6.i\40414a.b\GD2CV1AC.D
Date : 14-APR-2004 08:54
Client ID: INTRA-LAB CHECK
Sample Info: gd2cv1ac,40414a.b,8270p,3-827042,sub
Volume Injected (uL): 0.5
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\GD2CV1AC.D
Lab Smp Id: GD2CV1AC Client Smp ID: INTRA-LAB CHECK
Inj Date : 14-APR-2004 08:54
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gd2cv1ac,40414a.b,8270p,3-827042.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m
Meth Date : 15-Apr-2004 13:38 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 5 QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-827042.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.181	4.184	(1.000)	161998	2.00000	
* 2 Naphthalene-d8	136	5.235	5.238	(1.000)	625364	2.00000	
* 3 Acenaphthene-d10	164	6.696	6.696	(1.000)	357581	2.00000	
* 4 Phenanthrene-d10	188	7.917	7.920	(1.000)	602890	2.00000	
* 5 Chrysene-d12	240	10.103	10.109	(1.000)	600307	2.00000	
* 6 Perylene-d12	264	11.309	11.315	(1.000)	431235	2.00000	
198 1,4-Dioxane	88	2.075	2.068	(0.496)	142497	2.11625	8.4650
9 Pyridine	79	2.286	2.273	(0.547)	350999	1.94057	7.7623
10 N-Nitrosodimethylamine	74	2.271	2.268	(0.543)	297031	2.16304	8.6522
12 3-Chloropropionitrile	54	Compound Not Detected.					
209 Benzaldehyde	77	3.837	3.839	(0.918)	381555	2.49017	9.9607
21 Aniline	93	3.921	3.929	(0.938)	514033	1.97919	7.9168
22 Phenol	94	3.891	3.901	(0.930)	342314	1.59927	6.3971
23 bis(2-Chloroethyl)ether	93	3.970	3.976	(0.950)	412148	2.64577	10.583
24 2-Chlorophenol	128	4.011	4.017	(0.959)	329283	2.91908	11.676
26 1,3-Dichlorobenzene	146	4.135	4.138	(0.989)	310079	2.99645	11.986
27 1,4-Dichlorobenzene	146	4.197	4.197	(1.004)	317688	3.37157	13.486
28 1,2-Dichlorobenzene	146	4.323	4.323	(1.034)	300763	3.00837	12.033
29 Benzyl Alcohol	108	4.299	4.307	(1.028)	220536	2.22099	8.8840
30 2-Methylphenol	108	4.387	4.392	(1.049)	232190	2.34619	9.3847

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
31 bis(2-Chloroisopropyl)ether	45	4.405	4.410	(1.053)	308451	2.35449	9.4179(Q)
37 Acetophenone	105	4.518	4.526	(1.081)	546129	2.81127	11.245(Q)
32 N-Nitroso-di-n-propylamine	70	4.526	4.531	(1.082)	408984	2.47116	9.8846
192 4-Methylphenol	108	4.518	4.523	(1.081)	693480	4.97014	19.880
34 Hexachloroethane	117	4.595	4.598	(1.099)	134234	2.66293	10.652
35 Nitrobenzene	77	4.662	4.667	(0.890)	565472	2.51364	10.054
41 Isophorone	82	4.857	4.868	(0.928)	1057197	2.91983	11.679
42 2-Nitrophenol	139	4.924	4.930	(0.941)	182855	3.12519	12.501(Q)
43 2,4-Dimethylphenol	107	4.958	4.963	(0.947)	413085	2.61283	10.451
44 bis(2-Chloroethoxy)methane	93	5.037	5.043	(0.962)	484485	2.54133	10.165
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	5.120	5.125	(0.978)	270603	3.06373	12.255
49 Benzoic Acid	122	5.040	5.128	(0.963)	57280	1.02492	4.0997(H)
50 1,2,4-Trichlorobenzene	180	5.189	5.192	(0.991)	248770	2.76681	11.067
51 Naphthalene	128	5.253	5.259	(1.003)	916221	2.89692	11.588
52 4-Chloroaniline	127	5.305	5.310	(1.013)	331246	2.55398	10.216
56 Hexachlorobutadiene	225	5.356	5.359	(1.023)	154660	2.86625	11.465
210 Caprolactam	113	5.606	5.644	(1.071)	44326	1.05835	4.2334(Q)
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	5.711	5.724	(1.091)	400214	3.02422	12.097
62 2-Methylnaphthalene	142	5.829	5.832	(1.113)	594056	2.98606	11.944
63 1-Methylnaphthalene	142	5.912	5.914	(1.129)	566371	2.92595	11.704
64 Hexachlorocyclopentadiene	237	5.961	5.963	(0.890)	185377	2.92590	11.704
66 2,4,6-Trichlorophenol	196	6.069	6.074	(0.906)	208433	3.03425	12.137
67 2,4,5-Trichlorophenol	196	6.097	6.105	(0.911)	222421	3.10149	12.406
211 1,1'-Biphenyl	154	6.218	6.223	(0.929)	783786	3.04991	12.200
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
70 2-Chloronaphthalene	162	6.233	6.239	(0.931)	579756	3.11745	12.470
73 2-Nitroaniline	65	6.328	6.334	(0.945)	334088	2.86213	11.448
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
76 Dimethylphthalate	163	6.477	6.483	(0.967)	566557	2.56167	10.247
78 2,6-Dinitrotoluene	165	6.529	6.537	(0.975)	182279	3.81662	15.266
79 Acenaphthylene	152	6.580	6.583	(0.983)	1013056	3.10165	12.407
80 1,2-Dinitrobenzene	168	6.578	6.586	(0.982)	89107	3.42956	13.718(Q)
81 3-Nitroaniline	138	6.670	6.678	(0.996)	173939	3.22476	12.899
82 Acenaphthene	153	6.722	6.727	(1.004)	648015	3.04619	12.185
83 2,4-Dinitrophenol	184	6.758	6.766	(1.009)	99353	2.87270	11.491
85 4-Nitrophenol	109	6.812	6.822	(1.017)	87191	1.71991	6.8796
86 Dibenzofuran	168	6.863	6.869	(1.025)	883314	3.05569	12.223(R)
87 2,4-Dinitrotoluene	165	6.863	6.871	(1.025)	240434	3.55176	14.207
91 2,3,5,6-Tetrachlorophenol	232	6.933	6.938	(1.035)	195360	3.13855	12.554
93 Diethylphthalate	149	7.056	7.061	(1.054)	748099	3.16739	12.670
94 Fluorene	166	7.146	7.149	(1.067)	744206	3.28731	13.149
95 4-Chlorophenyl-phenylether	204	7.146	7.146	(1.067)	369273	3.22923	12.917
96 4-Nitroaniline	138	7.177	7.187	(1.072)	205404	3.60916	14.437(R)
98 4,6-Dinitro-2-methylphenol	198	7.195	7.203	(0.909)	152598	3.51663	14.066
99 N-Nitrosodiphenylamine	169	7.246	7.252	(0.915)	572388	3.70987	14.839
100 1,2-Diphenylhydrazine	77	7.275	7.277	(0.919)	1270973	3.10792	12.432
106 4-Bromophenyl-phenylether	248	7.550	7.550	(0.954)	216151	3.79653	15.186
107 Hexachlorobenzene	284	7.601	7.604	(0.960)	210375	3.88576	15.543
212 Atrazine	200	7.689	7.694	(0.971)	232820	4.20710	16.828
111 Pentachlorophenol	266	7.766	7.769	(0.981)	118862	2.88857	11.554
115 Phenanthrene	178	7.938	7.941	(1.003)	1112998	3.59051	14.362

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
116 Anthracene	178	7.979	7.982	(1.008)	1147225	3.86799	15.472
119 Carbazole	167	8.115	8.118	(1.025)	1034458	3.68134	14.725
120 Di-n-Butylphthalate	149	8.393	8.396	(1.060)	1324620	3.68666	14.747
123 Fluoranthene	202	8.910	8.915	(1.125)	1234552	3.46291	13.852
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.098	9.101	(0.900)	1182516	3.12088	12.484
131 Butylbenzylphthalate	149	9.622	9.625	(0.952)	582709	3.65528	14.621
133 3,3'-Dimethoxybenzidine	244	9.219	9.221	(0.912)	866713	3.87328	15.493
135 3,3'-Dichlorobenzidine	252	10.075	10.083	(0.997)	299002	2.43628	9.7451
136 Benzo(a)Anthracene	228	10.093	10.101	(0.999)	1294519	3.69793	14.792
137 Chrysene	228	10.124	10.132	(1.002)	1127649	3.39282	13.571
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.098	10.101	(0.999)	887972	3.79187	15.167
140 Di-n-octylphthalate	149	10.633	10.636	(0.940)	1394585	3.78837	15.153
141 Benzo(b)fluoranthene	252	10.983	10.988	(0.971)	1377486	4.17300	16.692
142 Benzo(k)fluoranthene	252	11.003	11.011	(0.973)	1014481	3.10432	12.417
146 Benzo(a)pyrene	252	11.260	11.268	(0.996)	1108605	3.76835	15.073
149 Indeno(1,2,3-cd)pyrene	276	12.371	12.384	(1.094)	1221488	3.76754	15.070(Q)
150 Dibenz(a,h)anthracene	278	12.384	12.400	(1.095)	995148	3.65440	14.618
151 Benzo(g,h,i)perylene	276	12.682	12.701	(1.121)	1012398	3.72539	14.902
$ 154 Nitrobenzene-d5	82	4.647	4.649	(0.888)	558679	2.66346	10.654
$ 155 2-Fluorobiphenyl	172	6.135	6.138	(0.916)	712552	2.99320	11.973
$ 156 Terphenyl-d14	244	9.219	9.221	(0.912)	866713	3.79729	15.189
$ 157 Phenol-d5	99	3.880	3.888	(0.928)	470640	2.50375	10.015
$ 158 2-Fluorophenol	112	3.158	3.155	(0.755)	427166	3.59032	14.361
$ 159 2,4,6-Tribromophenol	330	7.349	7.352	(1.098)	145064	5.27508	21.100
$ 186 2-Chlorophenol-d4	132	3.999	4.004	(0.956)	474090	4.34743	17.390
$ 187 1,2-Dichlorobenzene-d4	152	4.310	4.312	(1.031)	186318	2.83979	11.359
M 195 Cresols, total	100				1025670	7.31632	29.265
101 Diphenylamine	169	7.246	7.252	(0.915)	572388	3.70987	14.839

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC8AW1AA **Matrix.....:** WATER
MB Lot-Sample #: A4C300000-705

Prep Date.....: 03/31/04 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/07/04 **Prep Batch #...:** 4090705
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
O,O-Diethyl-O-(2-pyraziny	ND	50	ug/L	SW846 8270C
Methyl parathion	ND	10	ug/L	SW846 8270C
Parathion	ND	10	ug/L	SW846 8270C
Carbazole	ND	10	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Aramite	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
2-sec-Butyl-4,6-dinitro-phenol	ND	20	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC8AW1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
p-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	50	ug/L	SW846 8270C
a,a-Dimethylphenethylamine	ND	50	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC8AW1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Methylphenol	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	100	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloroethane	ND	50	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	10	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
p-Phenylene diamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Pyridine	ND	20	ug/L	SW846 8270C
Safrole	ND	20	ug/L	SW846 8270C
Tetraethyldithiopyrophosphate	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
o-Toluidine	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

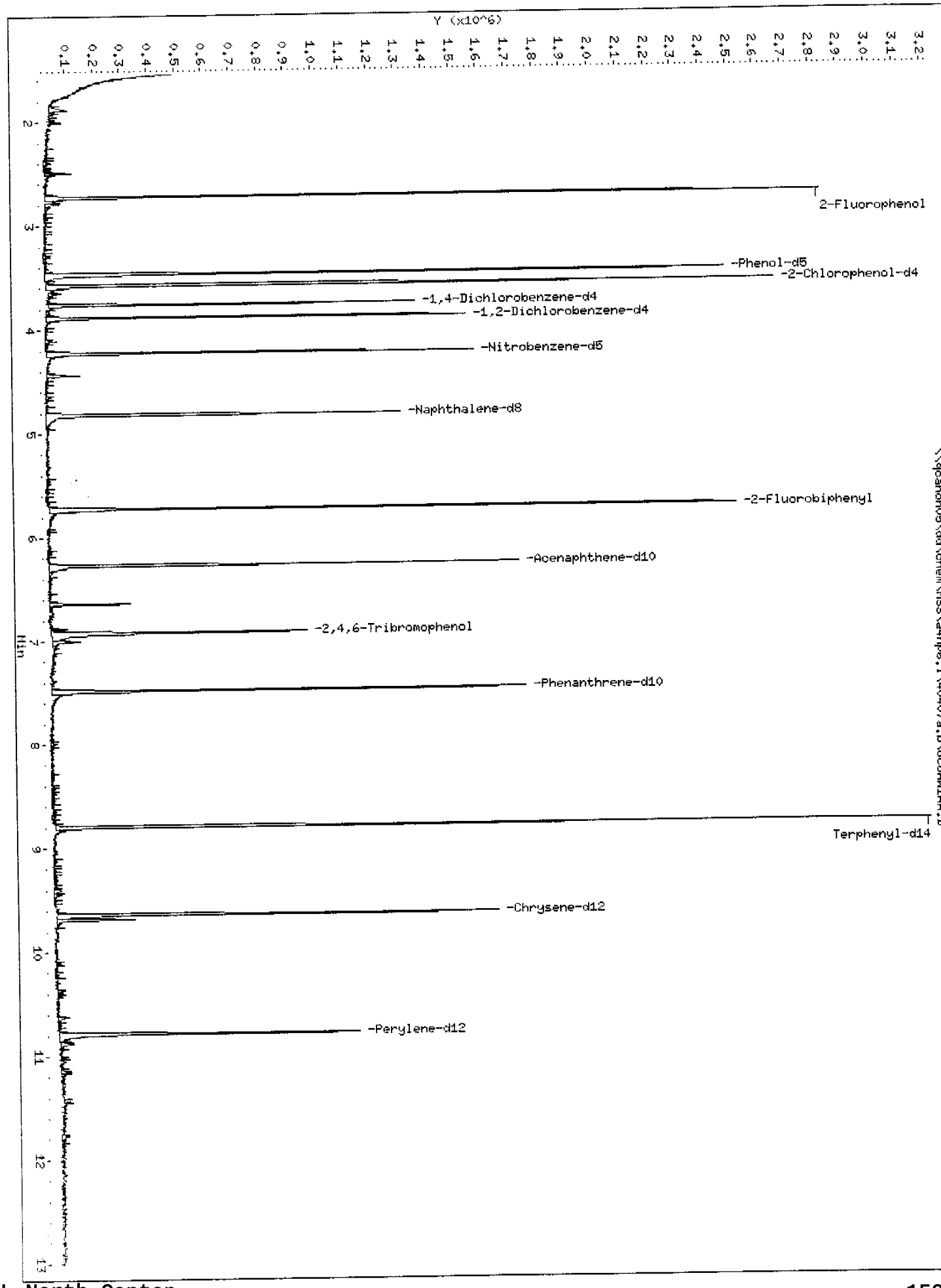
Client Lot #...: 4C30268 **Work Order #...:** GC8AW1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(32 - 112)
2-Fluorobiphenyl	65	(30 - 110)
Terphenyl-d14	81	(10 - 144)
Phenol-d5	68	(10 - 113)
2-Fluorophenol	72	(13 - 110)
2,4,6-Tribromophenol	52	(21 - 122)

NOTE(S):

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


Y (x10^6)
Min
2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12
-Perylene-d12
\\qcandh05\dd\chem\HSS\a4hp6.i\40407a.b\GC8AW1AA.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\GC8AW1AA.D
Lab Smp Id: GC8AW1AA
Client Smp ID: INTRA-LAB BLANK
Inj Date : 07-APR-2004 12:47
Inst ID: a4hp6.i
Operator : 001710
Smp Info : gc8aw1aa,40407a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40407a.b\8270p.m
Meth Date : 08-Apr-2004 14:01 gruberj
Quant Type: ISTD
Cal Date : 06-APR-2004 18:18
Cal File: 6AHHH406.D
Als bottle: 10
QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.757	3.759	(1.000)	126244	2.00000	
* 2 Naphthalene-d8	136	4.817	4.819	(1.000)	464309	2.00000	
* 3 Acenaphthene-d10	164	6.267	6.269	(1.000)	253427	2.00000	
* 4 Phenanthrene-d10	188	7.481	7.483	(1.000)	476333	2.00000	
* 5 Chrysene-d12	240	9.638	9.640	(1.000)	438953	2.00000	
* 6 Perylene-d12	264	10.785	10.785	(1.000)	283520	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73	2-Nitroaniline	65	Compound Not Detected.					
74	1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75	1,4-Naphthoquinone	158	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
77	m-Dinitrobenzene	168	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	Compound Not Detected.					
80	1,2-Dinitrobenzene	168	Compound Not Detected.					
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	Compound Not Detected.					
83	2,4-Dinitrophenol	184	Compound Not Detected.					
84	Pentachlorobenzene	250	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	Compound Not Detected.					
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89	1-Naphthylamine	143	Compound Not Detected.					
90	Zinophos	97	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
101	Diphenylamine	169	Compound Not Detected.					
102	Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103	Diallate 1	86	Compound Not Detected.					
M 189	Diallate, Total	100	Compound Not Detected.					
104	Phorate	121	Compound Not Detected.					
105	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	284	Compound Not Detected.					
212	Atrazine	200	Compound Not Detected.					
108	Phenacetin	108	Compound Not Detected.					
109	Diallate 2	86	Compound Not Detected.					
110	Dimethoate	87	Compound Not Detected.					
111	Pentachlorophenol	266	Compound Not Detected.					
112	Pentachloronitrobenzene	237	Compound Not Detected.					
113	4-Aminobiphenyl	169	Compound Not Detected.					
114	Pronamide	173	Compound Not Detected.					
115	Phenanthrene	178	Compound Not Detected.					
116	Anthracene	178	Compound Not Detected.					
117	Dinoseb	211	Compound Not Detected.					
118	Disulfoton	88	Compound Not Detected.					
119	Carbazole	167	Compound Not Detected.					
120	Di-n-Butylphthalate	149	Compound Not Detected.					
121	4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122	Methapyrilene	58	Compound Not Detected.					
123	Fluoranthene	202	Compound Not Detected.					
124	Benzidine	184	Compound Not Detected.					
125	Pyrene	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.228	4.233	(0.878)	530024	3.55481	14.219
$ 155 2-Fluorobiphenyl	172	5.724	5.727	(0.913)	553051	3.24251	12.970
$ 156 Terphenyl-d14	244	8.795	8.794	(0.912)	679071	4.04913	16.196
$ 157 Phenol-d5	99	3.467	3.471	(0.923)	712219	5.13219	20.529
$ 158 2-Fluorophenol	112	2.726	2.723	(0.726)	486624	5.41586	21.663
$ 159 2,4,6-Tribromophenol	330	6.917	6.920	(1.104)	70530	3.93317	15.733
$ 186 2-Chlorophenol-d4	132	3.572	3.574	(0.951)	416615	5.01334	20.053
$ 187 1,2-Dichlorobenzene-d4	152	3.883	3.885	(1.034)	152863	3.05572	12.223(Q)
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDAC61AA **Matrix.....:** WATER
MB Lot-Sample #: A4C310000-574

Prep Date.....: 04/01/04 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/08/04 **Prep Batch #...:** 4091574
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbazole	ND	10	ug/L	SW846 8270C
Parathion	ND	10	ug/L	SW846 8270C
O,O-Diethyl-O-(2-pyraziny	ND	50	ug/L	SW846 8270C
Methyl parathion	ND	10	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Aramite	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
2-sec-Butyl-4,6-dinitro-phenol	ND	20	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDAC61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
p-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	50	ug/L	SW846 8270C
a,a-Dimethylphenethylamine	ND	50	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDAC61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Methylphenol	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	100	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloroethane	ND	50	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	10	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
p-Phenylene diamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Pyridine	ND	20	ug/L	SW846 8270C
Safrole	ND	20	ug/L	SW846 8270C
Tetraethyldithiopyrophosphate	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
o-Toluidine	ND	20	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDAC61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

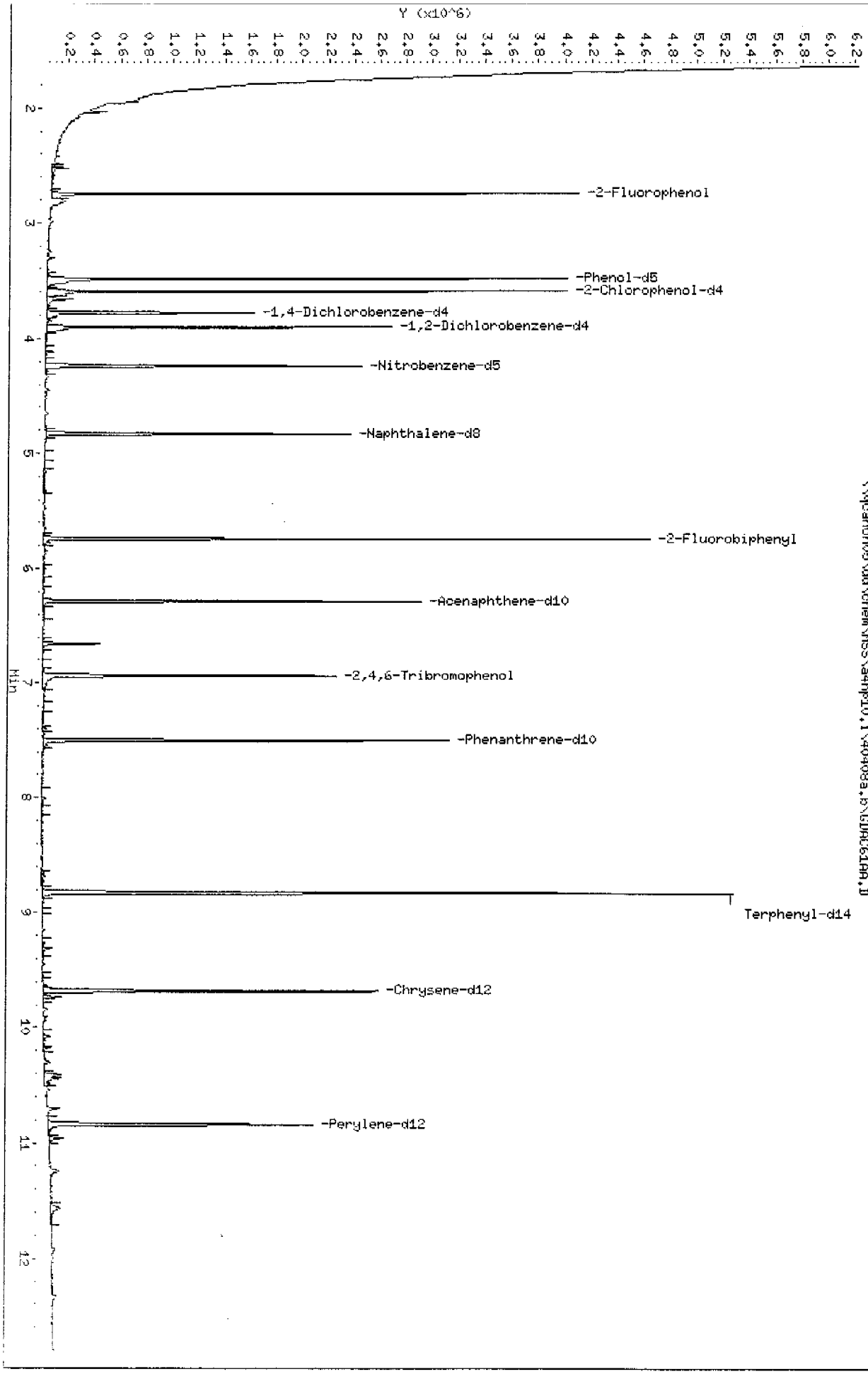
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	77	(32 - 112)
2-Fluorobiphenyl	73	(30 - 110)
Terphenyl-d14	84	(10 - 144)
Phenol-d5	71	(10 - 113)
2-Fluorophenol	70	(13 - 110)
2,4,6-Tribromophenol	75	(21 - 122)

NOTE(S):

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

Data File: \\qcanch05\dd\chem\MSS\a4hp10.i\40408a.b\GD0C61AA.D
Date : 08-APR-2004 12:01
Client ID: INTRA-LAB BLANK
Sample Info: gdac61aa,40408a,b,8270p,5-8270ap9s.sub
Volume Injected (uL): 0.5
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\GDAC61AA.D
Lab Smp Id: GDAC61AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 08-APR-2004 12:01
Operator : 046900 Inst ID: a4hp10.i
Smp Info : gdac61aa,40408a.b,8270p,5-8270ap9s.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 12-Apr-2004 09:27 ulmanm Quant Type: ISTD
Cal Date : 08-APR-2004 11:20 Cal File: 1THHH0408.D
Als bottle: 13 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9s.sub
Target Version: 4.12
Processing Host: CANPMSSV06

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.777	3.777	(1.000)	185862	2.00000	
* 2 Naphthalene-d8	136	4.829	4.835	(1.000)	813378	2.00000	
* 3 Acenaphthene-d10	164	6.282	6.288	(1.000)	463002	2.00000	
* 4 Phenanthrene-d10	188	7.500	7.506	(1.000)	805948	2.00000	
* 5 Chrysene-d12	240	9.680	9.691	(1.000)	775909	2.00000	
* 6 Perylene-d12	264	10.834	10.845	(1.000)	557485	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 198 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
M 229 Famphur,Total	100	Compound Not Detected.					
230 Famphur 2	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
204 6-Methylchrysene	242	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.236	4.247	(0.877)	752977	3.82517	15.301
$ 155 2-Fluorobiphenyl	172	5.737	5.743	(0.913)	1043189	3.63220	14.529
$ 156 Terphenyl-d14	244	8.825	8.831	(0.912)	1297549	4.18143	16.726
$ 157 Phenol-d5	99	3.483	3.494	(0.922)	1142763	5.31838	21.274(H)
$ 158 2-Fluorophenol	112	2.746	2.746	(0.727)	783834	5.24007	20.960
$ 159 2,4,6-Tribromophenol	330	6.934	6.939	(1.104)	209233	5.64883	22.595
$ 186 2-Chlorophenol-d4	132	3.590	3.595	(0.950)	701118	5.28767	21.151
$ 187 1,2-Dichlorobenzene-d4	152	3.900	3.905	(1.033)	268338	3.60170	14.407(Q)
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
201 Quinoline	129	Compound Not Detected.					
205 Benzenethiol	110	Compound Not Detected.					
207 Indene	115	Compound Not Detected.					
214 1,3-Dimethyl-2-Thiourea	104	Compound Not Detected.					
223 1,2-bis(2-chloroethoxy)ethane	63	Compound Not Detected.					
224 Acrylamide	71	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDK2N1AA **Matrix.....:** WATER
MB Lot-Sample #: A4D060000-208

Prep Date.....: 04/06/04 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/12/04 **Prep Batch #...:** 4097208
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbazole	ND	10	ug/L	SW846 8270C
O,O-Diethyl-O-(2-pyraziny	ND	50	ug/L	SW846 8270C
Methyl parathion	ND	10	ug/L	SW846 8270C
Parathion	ND	10	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Aramite	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
2-sec-Butyl-4,6-dinitro-phenol	ND	20	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDK2N1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
p-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	50	ug/L	SW846 8270C
a,a-Dimethylphenethylamine	ND	50	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GDK2N1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Methylphenol	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	100	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloroethane	ND	50	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	10	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
p-Phenylene diamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Pyridine	ND	20	ug/L	SW846 8270C
Safrole	ND	20	ug/L	SW846 8270C
Tetraethyldithiopyrophosphate	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
o-Toluidine	ND	20	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

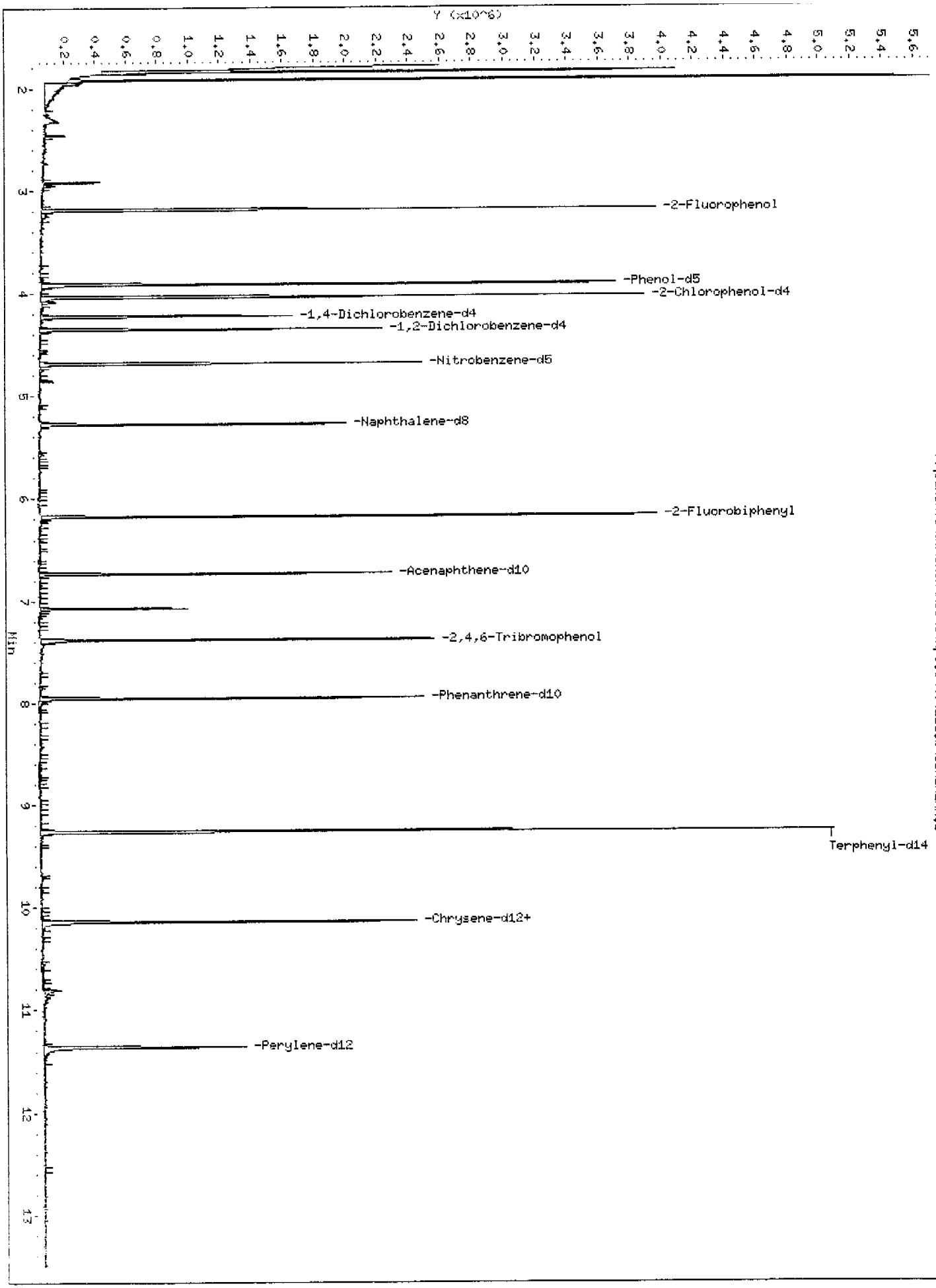
Client Lot #...: 4C30268 **Work Order #...:** GDK2N1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	83	(32 - 112)
2-Fluorobiphenyl	73	(30 - 110)
Terphenyl-d14	94	(10 - 144)
Phenol-d5	79	(10 - 113)
2-Fluorophenol	80	(13 - 110)
2,4,6-Tribromophenol	69	(21 - 122)

NOTE(S):

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


Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
\\qcanch05\dd\chem\MSS\a4hp6.i\40412a.b\GDK2N1AA.D

STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\GDK2N1AA.D
Lab Smp Id: GDK2N1AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 12-APR-2004 19:33
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gdk2n1aa,40412a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40412a.b\8270p.m
Meth Date : 13-Apr-2004 08:21 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 13:28 Cal File: 6AMH0412.D
Als bottle: 13 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.222	4.221	(1.000)	143245	2.00000	(Q)
* 2 Naphthalene-d8	136	5.277	5.278	(1.000)	580305	2.00000	
* 3 Acenaphthene-d10	164	6.732	6.733	(1.000)	319264	2.00000	
* 4 Phenanthrene-d10	188	7.956	7.955	(1.000)	600216	2.00000	
* 5 Chrysene-d12	240	10.139	10.143	(1.000)	552671	2.00000	
* 6 Perylene-d12	264	11.358	11.357	(1.000)	358798	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

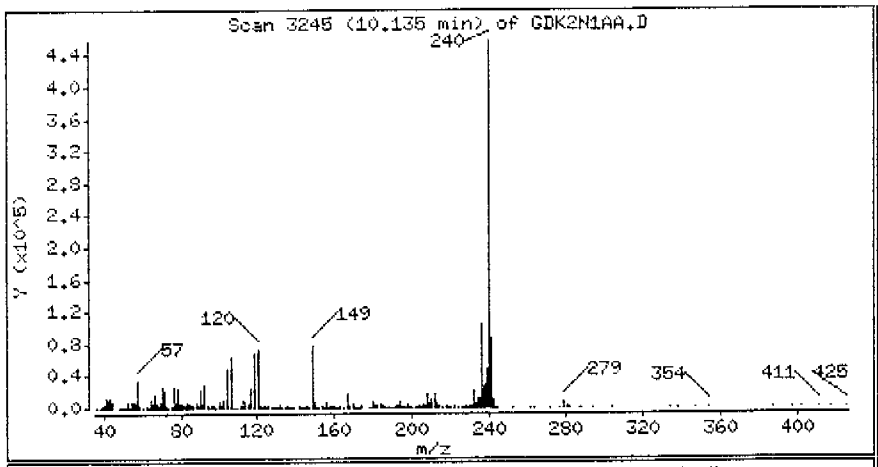
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

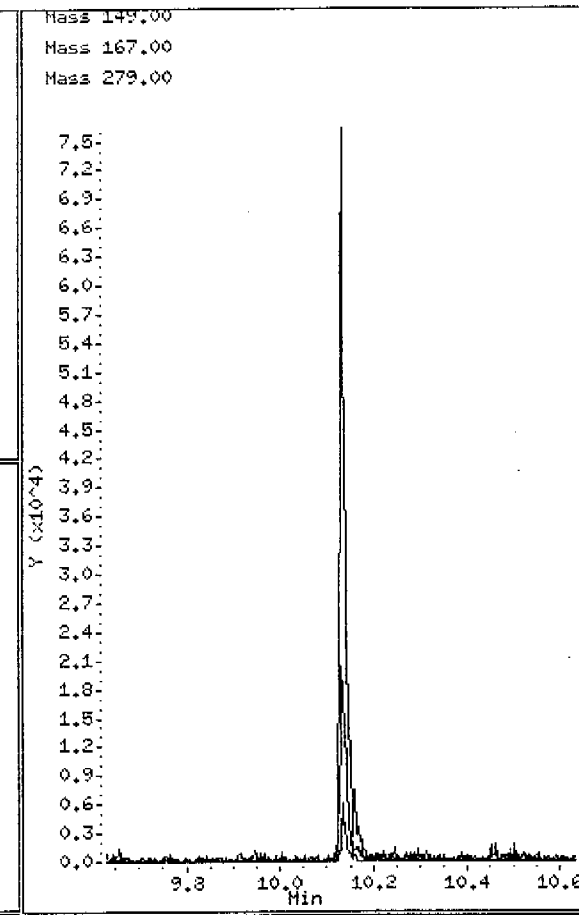
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.134	10.133	(0.999)	61159	0.28368	1.1347
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.685	4.686	(0.888)	803578	4.12846	16.514
$ 155 2-Fluorobiphenyl	172	6.174	6.175	(0.917)	780364	3.67148	14.686
$ 156 Terphenyl-d14	244	9.260	9.256	(0.913)	987623	4.69998	18.800
$ 157 Phenol-d5	99	3.916	3.915	(0.928)	981920	5.90757	23.630
$ 158 2-Fluorophenol	112	3.189	3.190	(0.755)	629208	5.98082	23.923
$ 159 2,4,6-Tribromophenol	330	7.385	7.384	(1.097)	126638	5.15773	20.631
$ 186 2-Chlorophenol-d4	132	4.037	4.038	(0.956)	547473	5.67759	22.710
$ 187 1,2-Dichlorobenzene-d4	152	4.351	4.349	(1.030)	187637	3.23429	12.937
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

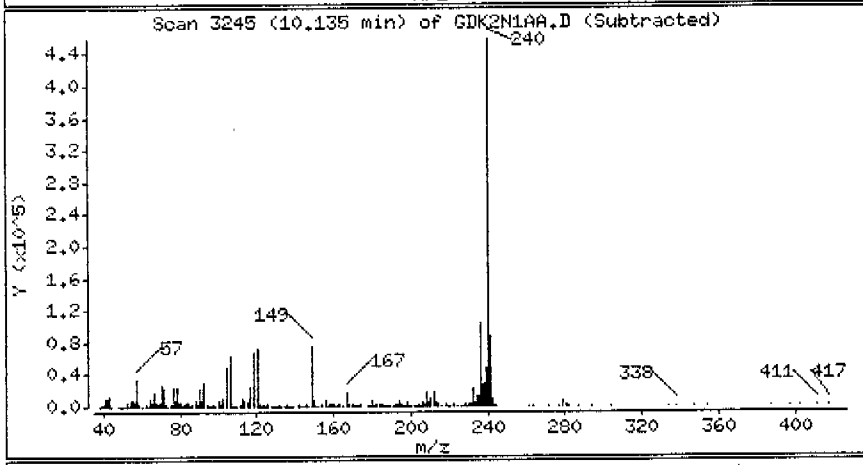
QC Flag Legend

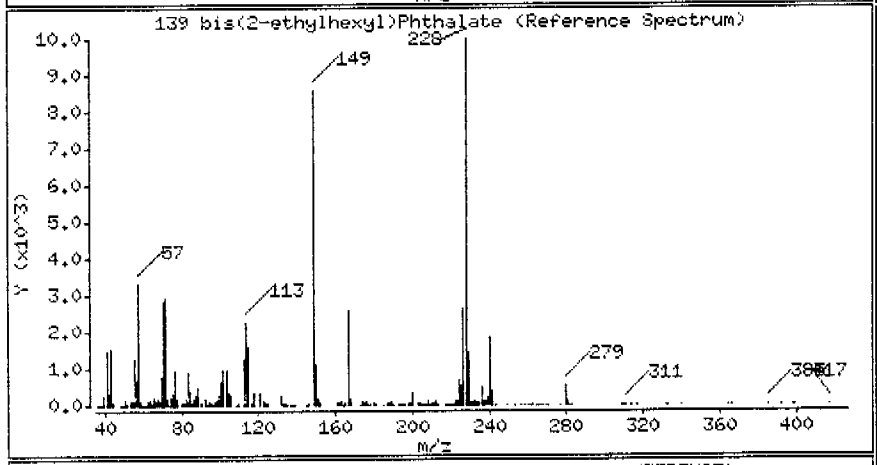
Q - Qualifier signal failed the ratio test.

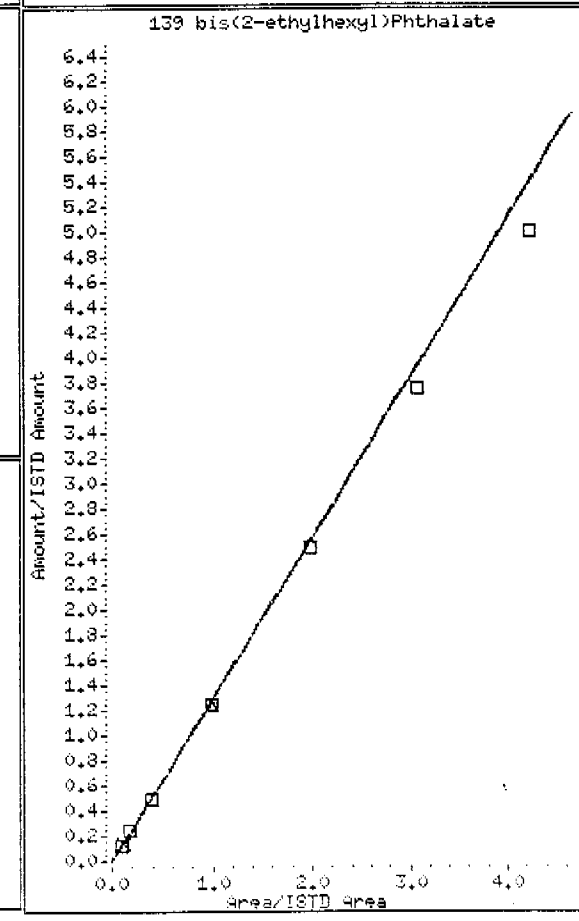
139 bis(2-ethylhexyl)Phthalate

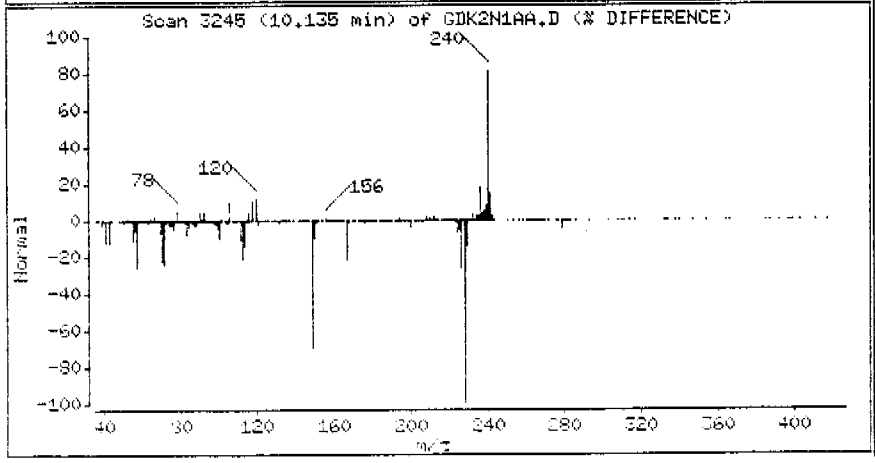












METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GD2CV1AA **Matrix.....:** WATER
MB Lot-Sample #: A4D130000-113

Prep Date.....: 04/13/04 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/14/04 **Prep Batch #...:** 4104113
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Parathion	ND	10	ug/L	SW846 8270C
Carbazole	ND	10	ug/L	SW846 8270C
O,O-Diethyl-O-(2-pyraziny	ND	50	ug/L	SW846 8270C
Methyl parathion	ND	10	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Aramite	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
2-sec-Butyl-4,6-dinitro-phenol	ND	20	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GD2CV1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
p-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
bis(2-Chloro-1-methylethyl) ether	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	50	ug/L	SW846 8270C
a,a-Dimethylphenethyl-amine	ND	50	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GD2CV1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Methylphenol	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	100	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloroethane	ND	50	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	10	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
p-Phenylene diamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Pyridine	ND	20	ug/L	SW846 8270C
Safrole	ND	20	ug/L	SW846 8270C
Tetraethyldithiopyrophosphate	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
o-Toluidine	ND	20	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

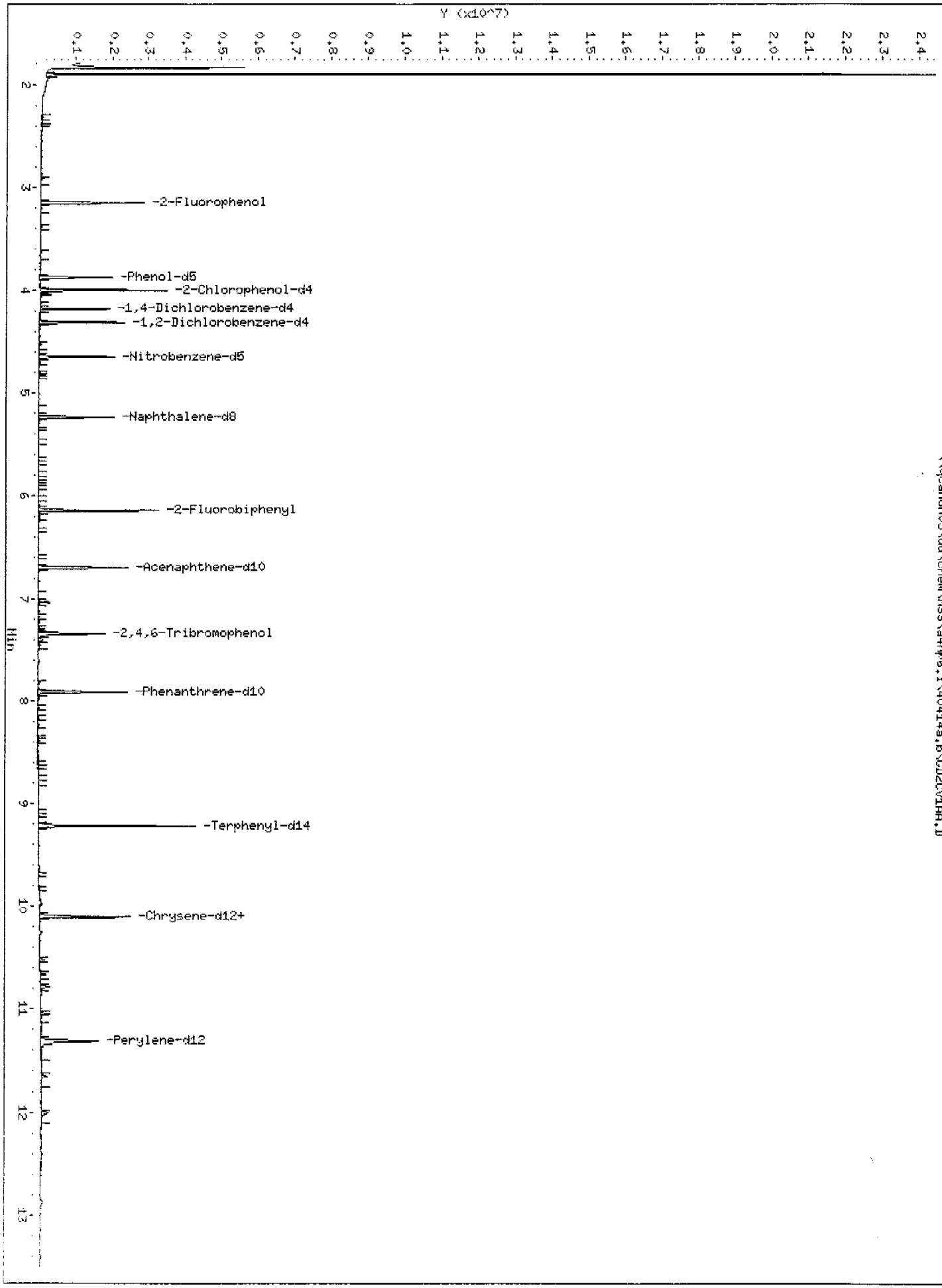
Client Lot #...: 4C30268 **Work Order #...:** GD2CV1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	56	(32 - 112)
2-Fluorobiphenyl	58	(30 - 110)
Terphenyl-d14	75	(10 - 144)
Phenol-d5	32	(10 - 113)
2-Fluorophenol	46	(13 - 110)
2,4,6-Tribromophenol	63	(21 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.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Min
-2-Fluorophenol
-Phenol-d5
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\GD2CV1AA.D
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Inj Date : 14-APR-2004 08:33
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gd2cv1aa,40414a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m
Meth Date : 15-Apr-2004 13:38 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 4 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

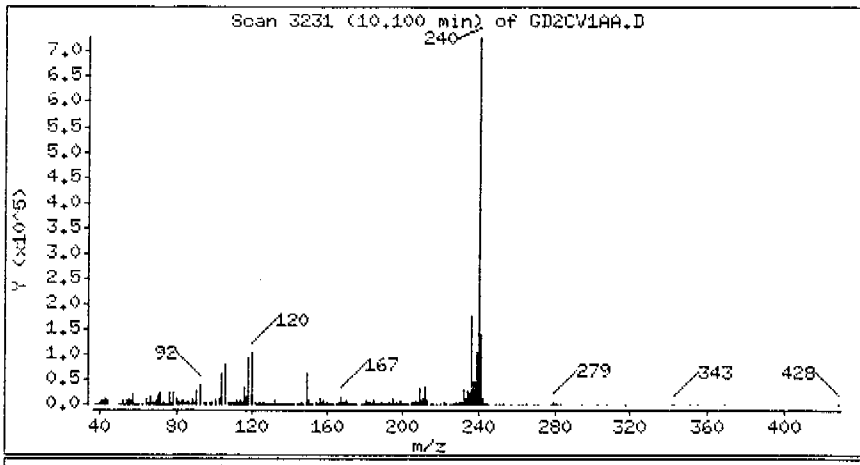
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.180	4.184	(1.000)	185615	2.00000	
* 2 Naphthalene-d8	136	5.237	5.238	(1.000)	702593	2.00000	
* 3 Acenaphthene-d10	164	6.695	6.696	(1.000)	389662	2.00000	
* 4 Phenanthrene-d10	188	7.916	7.920	(1.000)	682775	2.00000	
* 5 Chrysene-d12	240	10.099	10.109	(1.000)	685075	2.00000	
* 6 Perylene-d12	264	11.310	11.315	(1.000)	487849	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	Compound Not Detected.					
14 2-Picoline	93	Compound Not Detected.					
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					

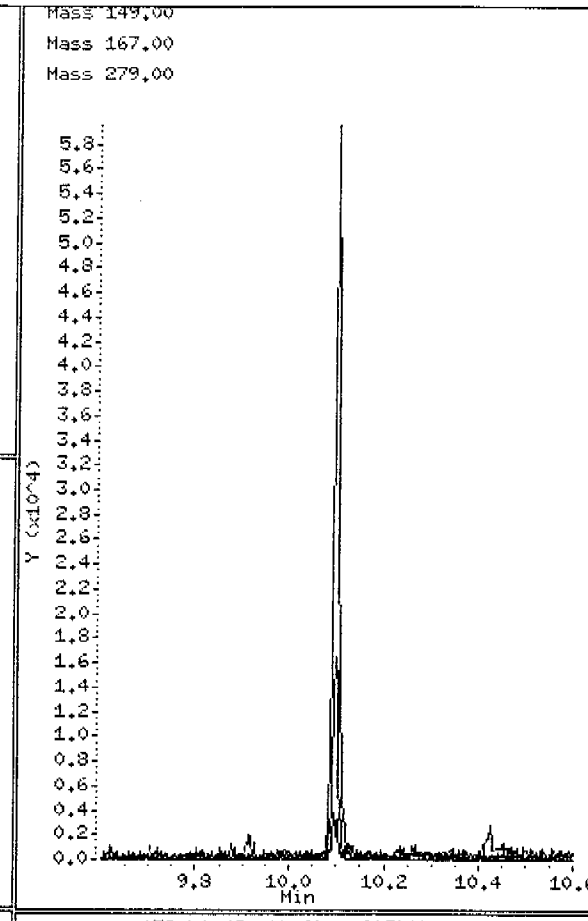
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	Compound Not Detected.					
210 Caprolactam	113	Compound Not Detected.					
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
211 1,1'-Biphenyl	154	Compound Not Detected.					
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

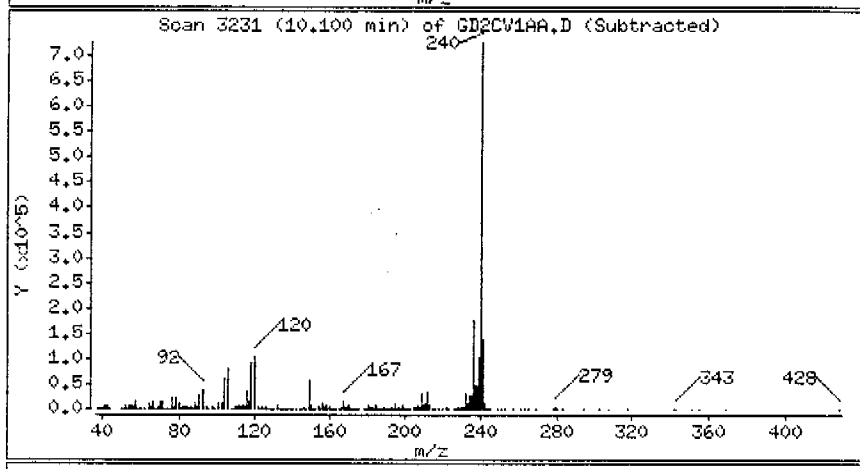
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73 2-Nitroaniline	65	Compound Not Detected.					
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 m-Dinitrobenzene	168	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
80 1,2-Dinitrobenzene	168	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
101 Diphenylamine	169	Compound Not Detected.					
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	Compound Not Detected.					
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	284	Compound Not Detected.					
212 Atrazine	200	Compound Not Detected.					
108 Phenacetin	108	Compound Not Detected.					
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	Compound Not Detected.					
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					

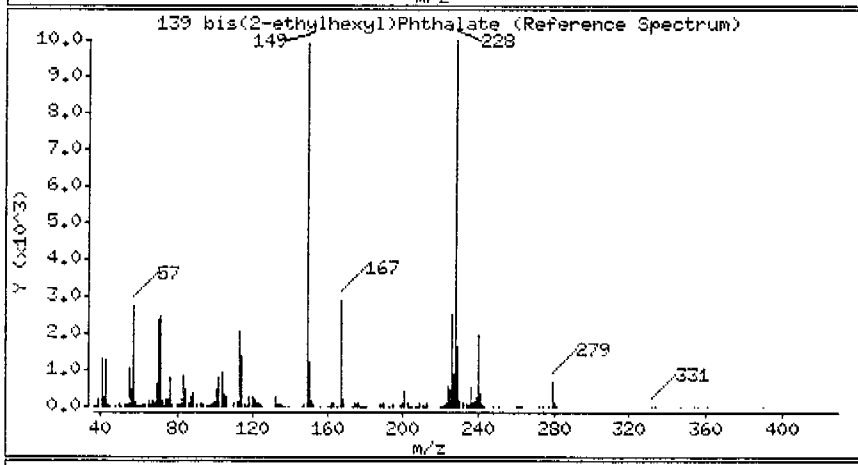
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
126 Aramite 1	185	Compound Not Detected.					
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	Compound Not Detected.					
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.099	10.101	(1.000)	47881	0.17917	0.71666
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.645	4.649	(0.887)	660863	2.80430	11.217
$ 155 2-Fluorobiphenyl	172	6.137	6.138	(0.917)	753912	2.90620	11.625
$ 156 Terphenyl-d14	244	9.222	9.221	(0.913)	972447	3.73336	14.933
$ 157 Phenol-d5	99	3.876	3.888	(0.927)	519972	2.41423	9.6569
$ 158 2-Fluorophenol	112	3.154	3.155	(0.755)	474915	3.48376	13.935
$ 159 2,4,6-Tribromophenol	330	7.345	7.352	(1.097)	142541	4.75659	19.026
$ 186 2-Chlorophenol-d4	132	3.997	4.004	(0.956)	533253	4.26777	17.071
$ 187 1,2-Dichlorobenzene-d4	152	4.308	4.312	(1.031)	215893	2.87188	11.488
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	Compound Not Detected.					
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

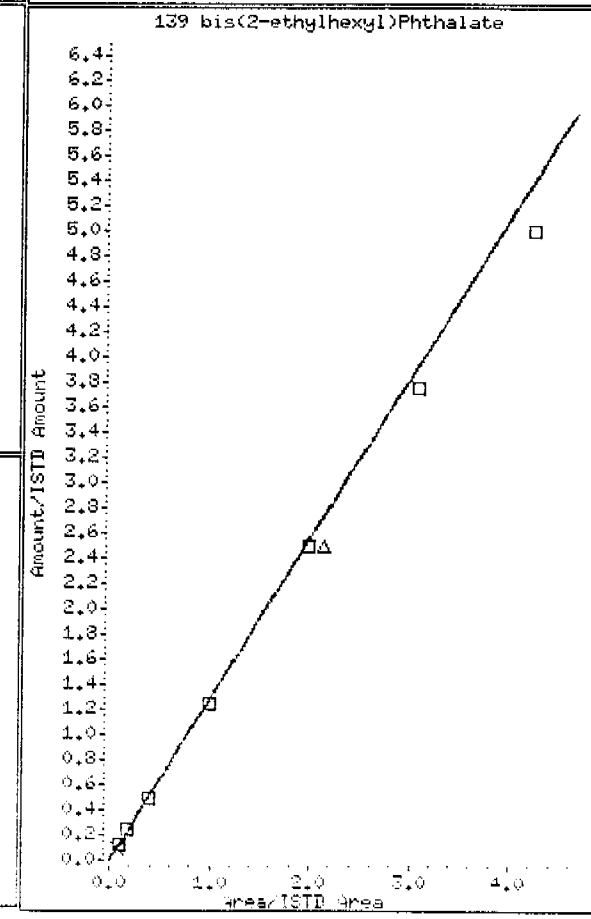
139 bis(2-ethylhexyl)Phthalate

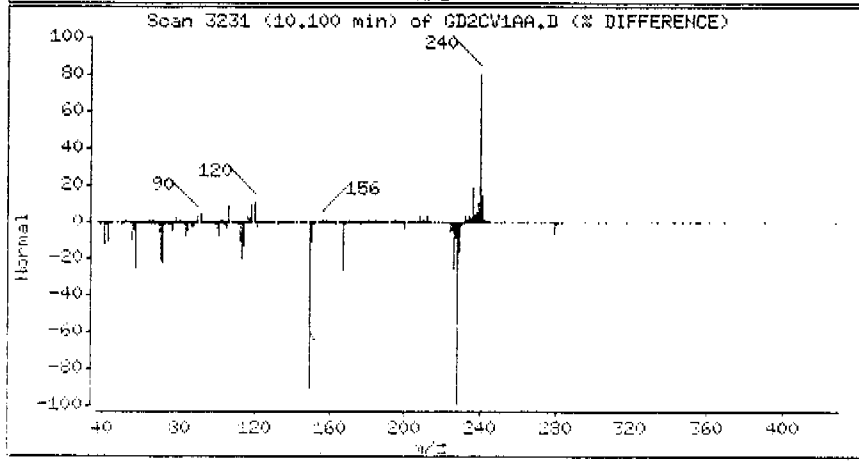












MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AF-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AG-MSD
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04
Prep Date.....: 04/01/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4091574
Dilution Factor: 1 **Initial Wgt/Vol:** 500 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Carbazole	69	(48 - 119)			SW846 8270C
	72	(48 - 119)	3.8	(0-53)	SW846 8270C
Acenaphthene	**61**	**(26 - 118)**			**SW846 8270C**
	65	**(26 - 118)**	**6.1**	**(0-35)**	**SW846 8270C**
Acenaphthylene	60	(49 - 111)			SW846 8270C
	64	(49 - 111)	6.7	(0-51)	SW846 8270C
Anthracene	63	(49 - 118)			SW846 8270C
	67	(49 - 118)	6.0	(0-51)	SW846 8270C
Benzo(a)anthracene	61	(48 - 115)			SW846 8270C
	63	(48 - 115)	4.0	(0-51)	SW846 8270C
Benzo(a)pyrene	62	(44 - 122)			SW846 8270C
	66	(44 - 122)	6.3	(0-51)	SW846 8270C
Benzo(b)fluoranthene	63	(44 - 123)			SW846 8270C
	67	(44 - 123)	5.4	(0-54)	SW846 8270C
Benzo(ghi)perylene	61	(44 - 122)			SW846 8270C
	67	(44 - 122)	9.8	(0-55)	SW846 8270C
Benzo(k)fluoranthene	64	(46 - 123)			SW846 8270C
	71	(46 - 123)	9.8	(0-53)	SW846 8270C
4-Bromophenyl phenyl ether	68	(51 - 119)			SW846 8270C
	71	(51 - 119)	4.6	(0-51)	SW846 8270C
Butyl benzyl phthalate	57	(41 - 127)			SW846 8270C
	58	(41 - 127)	0.36	(0-84)	SW846 8270C
4-Chloroaniline	50	(10 - 110)			SW846 8270C
	50	(10 - 110)	0.47	(0-99)	SW846 8270C
bis(2-Chloroethoxy) methane	65	(57 - 114)			SW846 8270C
	68	(57 - 114)	4.6	(0-49)	SW846 8270C
bis(2-Chloroethyl)-ether	67	(57 - 120)			SW846 8270C
	76	(57 - 120)	13	(0-51)	SW846 8270C
bis(2-Chloroisopropyl) ether	63	(53 - 122)			SW846 8270C
	71	(53 - 122)	12	(0-52)	SW846 8270C
4-Chloro-3-methylphenol	**51**	**(21 - 124)**			**SW846 8270C**
	47	**(21 - 124)**	**9.1**	**(0-55)**	**SW846 8270C**

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AF-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Chloronaphthalene	63	(51 - 119)			SW846 8270C
	67	(51 - 119)	5.9	(0-51)	SW846 8270C
2-Chlorophenol	**45**	**(19 - 124)**			**SW846 8270C**
	49	**(19 - 124)**	**7.8**	**(0-43)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	67	(51 - 118)			SW846 8270C
	71	(51 - 118)	6.8	(0-51)	SW846 8270C
Chrysene	60	(49 - 118)			SW846 8270C
	64	(49 - 118)	6.2	(0-52)	SW846 8270C
Dibenz(a,h)anthracene	63	(45 - 127)			SW846 8270C
	68	(45 - 127)	7.8	(0-57)	SW846 8270C
Dibenzofuran	65	(51 - 117)			SW846 8270C
	69	(51 - 117)	6.2	(0-51)	SW846 8270C
Di-n-butyl phthalate	57	(41 - 121)			SW846 8270C
	56	(41 - 121)	2.6	(0-53)	SW846 8270C
1,2-Dichlorobenzene	55	(43 - 112)			SW846 8270C
	62	(43 - 112)	13	(0-85)	SW846 8270C
1,3-Dichlorobenzene	50	(35 - 114)			SW846 8270C
	56	(35 - 114)	13	(0-89)	SW846 8270C
1,4-Dichlorobenzene	**58**	**(18 - 110)**			**SW846 8270C**
	66	**(18 - 110)**	**14**	**(0-36)**	**SW846 8270C**
3,3'-Dichlorobenzidine	19	(10 - 110)			SW846 8270C
	18	(10 - 110)	3.3	(0-99)	SW846 8270C
2,4-Dichlorophenol	45 a	(52 - 121)			SW846 8270C
	45 a	(52 - 121)	0.88	(0-88)	SW846 8270C
Diethyl phthalate	18	(10 - 148)			SW846 8270C
	15	(10 - 148)	18	(0-81)	SW846 8270C
2,4-Dimethylphenol	22	(10 - 125)			SW846 8270C
	20	(10 - 125)	10	(0-62)	SW846 8270C
Dimethyl phthalate	4.5 a	(10 - 159)			SW846 8270C
	3.7 a	(10 - 159)	19	(0-99)	SW846 8270C
4,6-Dinitro-2-methylphenol	54	(20 - 158)			SW846 8270C
	62	(20 - 158)	13	(0-99)	SW846 8270C
2,4-Dinitrophenol	54	(10 - 168)			SW846 8270C
	62	(10 - 168)	15	(0-99)	SW846 8270C
2,4-Dinitrotoluene	**67**	**(31 - 131)**			**SW846 8270C**
	69	**(31 - 131)**	**3.6**	**(0-32)**	**SW846 8270C**
2,6-Dinitrotoluene	72	(58 - 127)			SW846 8270C
	77	(58 - 127)	5.9	(0-82)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AF-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Di-n-octyl phthalate	70	(39 - 144)			SW846 8270C
	74	(39 - 144)	6.4	(0-89)	SW846 8270C
bis(2-Ethylhexyl) phthalate	66	(43 - 128)			SW846 8270C
	73	(43 - 128)	9.6	(0-84)	SW846 8270C
Fluoranthene	68	(49 - 122)			SW846 8270C
	69	(49 - 122)	2.1	(0-53)	SW846 8270C
Fluorene	65	(51 - 119)			SW846 8270C
	71	(51 - 119)	7.7	(0-51)	SW846 8270C
Hexachlorobenzene	66	(48 - 123)			SW846 8270C
	68	(48 - 123)	3.9	(0-51)	SW846 8270C
Hexachlorobutadiene	44	(35 - 118)			SW846 8270C
	47	(35 - 118)	7.0	(0-56)	SW846 8270C
Hexachlorocyclopenta-diene	0.0 a	(10 - 113)			SW846 8270C
	0.0 a	(10 - 113)	0.0	(0-97)	SW846 8270C
Hexachloroethane	43	(31 - 118)			SW846 8270C
	50	(31 - 118)	16	(0-92)	SW846 8270C
Indeno(1,2,3-cd)pyrene	62	(39 - 126)			SW846 8270C
	67	(39 - 126)	6.9	(0-59)	SW846 8270C
Isophorone	69	(56 - 112)			SW846 8270C
	73	(56 - 112)	4.9	(0-50)	SW846 8270C
2-Methylnaphthalene	61	(45 - 119)			SW846 8270C
	64	(45 - 119)	5.3	(0-51)	SW846 8270C
2-Methylphenol	48	(29 - 115)			SW846 8270C
	48	(29 - 115)	0.65	(0-31)	SW846 8270C
4-Methylphenol	45	(29 - 122)			SW846 8270C
	43	(29 - 122)	3.3	(0-55)	SW846 8270C
Naphthalene	61	(50 - 176)			SW846 8270C
	64	(50 - 176)	5.2	(0-52)	SW846 8270C
2-Nitroaniline	67	(48 - 125)			SW846 8270C
	72	(48 - 125)	7.2	(0-83)	SW846 8270C
3-Nitroaniline	56	(10 - 140)			SW846 8270C
	60	(10 - 140)	7.3	(0-99)	SW846 8270C
4-Nitroaniline	52	(20 - 122)			SW846 8270C
	54	(20 - 122)	3.2	(0-99)	SW846 8270C
Nitrobenzene	64	(56 - 125)			SW846 8270C
	67	(56 - 125)	4.5	(0-81)	SW846 8270C
2-Nitrophenol	61	(51 - 131)			SW846 8270C
	66	(51 - 131)	7.2	(0-77)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AF-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Nitrophenol	**64**	**(10 - 145)**			**SW846 8270C**
	66	**(10 - 145)**	**2.8**	**(0-34)**	**SW846 8270C**
N-Nitrosodiphenylamine	61	(49 - 117)			SW846 8270C
	63	(49 - 117)	3.8	(0-51)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**59**	**(18 - 115)**			**SW846 8270C**
	68	**(18 - 115)**	**14**	**(0-36)**	**SW846 8270C**
Pentachlorophenol	**52**	**(10 - 140)**			**SW846 8270C**
	48	**(10 - 140)**	**8.1**	**(0-56)**	**SW846 8270C**
Phenanthrene	65	(52 - 117)			SW846 8270C
	68	(52 - 117)	4.1	(0-51)	SW846 8270C
Phenol	**45**	**(10 - 131)**			**SW846 8270C**
	52	**(10 - 131)**	**14**	**(0-43)**	**SW846 8270C**
Pyrene	**61**	**(27 - 138)**			**SW846 8270C**
	66	**(27 - 138)**	**7.7**	**(0-31)**	**SW846 8270C**
Benzoic acid	58	(10 - 184)			SW846 8270C
	60	(10 - 184)	3.7	(0-99)	SW846 8270C
Pyridine	14 a	(70 - 130)			SW846 8270C
	31 a,p	(70 - 130)	79	(0-30)	SW846 8270C
1,4-Dioxane	61	(10 - 200)			SW846 8270C
	57	(10 - 200)	5.3	(0-30)	SW846 8270C
1,2,4-Trichloro-benzene	**54**	**(22 - 110)**			**SW846 8270C**
	58	**(22 - 110)**	**6.9**	**(0-37)**	**SW846 8270C**
2,4,5-Trichloro-phenol	51	(45 - 125)			SW846 8270C
	54	(45 - 125)	6.8	(0-74)	SW846 8270C
2,4,6-Trichloro-phenol	47	(46 - 122)			SW846 8270C
	45 a	(46 - 122)	4.1	(0-98)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	70	(32 - 112)
	72	(32 - 112)
2-Fluorobiphenyl	64	(30 - 110)
	68	(30 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AF-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	70	(10 - 144)
	72	(10 - 144)
Phenol-d5	45	(10 - 113)
	46	(10 - 113)
2-Fluorophenol	41	(13 - 110)
	45	(13 - 110)
2,4,6-Tribromophenol	54	(21 - 122)
	49	(21 - 122)

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.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AF-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AG-MSD
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04
Prep Date.....: 04/01/04 **Analysis Date..:** 04/08/04
Prep Batch #...: 4091574
Dilution Factor: 1 **Initial Wgt/Vol:** 500 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Carbazole	ND	40	28	ug/L	69		SW846 8270C
	ND	40	29	ug/L	72	3.8	SW846 8270C
Acenaphthene	**ND**	**40**	**24**	**ug/L**	**61**		**SW846 8270C**
	ND	**40**	**26**	**ug/L**	**65**	**6.1**	**SW846 8270C**
Acenaphthylene	ND	40	24	ug/L	60		SW846 8270C
	ND	40	26	ug/L	64	6.7	SW846 8270C
Anthracene	ND	40	25	ug/L	63		SW846 8270C
	ND	40	27	ug/L	67	6.0	SW846 8270C
Benzo(a)anthracene	ND	40	24	ug/L	61		SW846 8270C
	ND	40	25	ug/L	63	4.0	SW846 8270C
Benzo(a)pyrene	ND	40	25	ug/L	62		SW846 8270C
	ND	40	26	ug/L	66	6.3	SW846 8270C
Benzo(b)fluoranthene	ND	40	25	ug/L	63		SW846 8270C
	ND	40	27	ug/L	67	5.4	SW846 8270C
Benzo(ghi)perylene	ND	40	24	ug/L	61		SW846 8270C
	ND	40	27	ug/L	67	9.8	SW846 8270C
Benzo(k)fluoranthene	ND	40	26	ug/L	64		SW846 8270C
	ND	40	28	ug/L	71	9.8	SW846 8270C
4-Bromophenyl phenyl ether	ND	40	27	ug/L	68		SW846 8270C
	ND	40	28	ug/L	71	4.6	SW846 8270C
Butyl benzyl phthalate	ND	40	23	ug/L	57		SW846 8270C
	ND	40	23	ug/L	58	0.36	SW846 8270C
4-Chloroaniline	ND	40	20	ug/L	50		SW846 8270C
	ND	40	20	ug/L	50	0.47	SW846 8270C
bis(2-Chloroethoxy) methane	ND	40	26	ug/L	65		SW846 8270C
	ND	40	27	ug/L	68	4.6	SW846 8270C
bis(2-Chloroethyl)-ether	ND	40	27	ug/L	67		SW846 8270C
	ND	40	31	ug/L	76	13	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	40	25	ug/L	63		SW846 8270C
	ND	40	29	ug/L	71	12	SW846 8270C
4-Chloro-3-methylphenol	**ND**	**40**	**20**	**ug/L**	**51**		**SW846 8270C**
	ND	**40**	**19**	**ug/L**	**47**	**9.1**	**SW846 8270C**

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AF-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AG-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chloronaphthalene	ND	40	25	ug/L	63		SW846 8270C
	ND	40	27	ug/L	67	5.9	SW846 8270C
2-Chlorophenol	**ND**	**40**	**18**	**ug/L**	**45**		**SW846 8270C**
	ND	**40**	**20**	**ug/L**	**49**	**7.8**	**SW846 8270C**
4-Chlorophenyl phenyl ether	ND	40	27	ug/L	67		SW846 8270C
	ND	40	29	ug/L	71	6.8	SW846 8270C
Chrysene	ND	40	24	ug/L	60		SW846 8270C
	ND	40	25	ug/L	64	6.2	SW846 8270C
Dibenz(a,h)anthracene	ND	40	25	ug/L	63		SW846 8270C
	ND	40	27	ug/L	68	7.8	SW846 8270C
Dibenzofuran	ND	40	26	ug/L	65		SW846 8270C
	ND	40	28	ug/L	69	6.2	SW846 8270C
Di-n-butyl phthalate	ND	40	23	ug/L	57		SW846 8270C
	ND	40	22	ug/L	56	2.6	SW846 8270C
1,2-Dichlorobenzene	ND	40	22	ug/L	55		SW846 8270C
	ND	40	25	ug/L	62	13	SW846 8270C
1,3-Dichlorobenzene	ND	40	20	ug/L	50		SW846 8270C
	ND	40	23	ug/L	56	13	SW846 8270C
1,4-Dichlorobenzene	**ND**	**40**	**23**	**ug/L**	**58**		**SW846 8270C**
	ND	**40**	**27**	**ug/L**	**66**	**14**	**SW846 8270C**
3,3'-Dichlorobenzidine	ND	40	7.4	ug/L	19		SW846 8270C
	ND	40	7.2	ug/L	18	3.3	SW846 8270C
2,4-Dichlorophenol	ND	40	18	ug/L	45 a		SW846 8270C
	ND	40	18	ug/L	45 a	0.88	SW846 8270C
Diethyl phthalate	ND	40	7.2	ug/L	18		SW846 8270C
	ND	40	6.0	ug/L	15	18	SW846 8270C
2,4-Dimethylphenol	ND	40	9.0	ug/L	22		SW846 8270C
	ND	40	8.1	ug/L	20	10	SW846 8270C
Dimethyl phthalate	ND	40	1.8	ug/L	4.5 a		SW846 8270C
	ND	40	1.5	ug/L	3.7 a	19	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	40	22	ug/L	54		SW846 8270C
	ND	40	25	ug/L	62	13	SW846 8270C
2,4-Dinitrophenol	ND	40	22	ug/L	54		SW846 8270C
	ND	40	25	ug/L	62	15	SW846 8270C
2,4-Dinitrotoluene	**ND**	**40**	**27**	**ug/L**	**67**		**SW846 8270C**
	ND	**40**	**28**	**ug/L**	**69**	**3.6**	**SW846 8270C**
2,6-Dinitrotoluene	ND	40	29	ug/L	72		SW846 8270C
	ND	40	31	ug/L	77	5.9	SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AF-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AG-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Di-n-octyl phthalate	ND	40	28	ug/L	70		SW846 8270C
	ND	40	30	ug/L	74	6.4	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	40	27	ug/L	66		SW846 8270C
	ND	40	29	ug/L	73	9.6	SW846 8270C
Fluoranthene	ND	40	27	ug/L	68		SW846 8270C
	ND	40	28	ug/L	69	2.1	SW846 8270C
Fluorene	ND	40	26	ug/L	65		SW846 8270C
	ND	40	28	ug/L	71	7.7	SW846 8270C
Hexachlorobenzene	ND	40	26	ug/L	66		SW846 8270C
	ND	40	27	ug/L	68	3.9	SW846 8270C
Hexachlorobutadiene	ND	40	18	ug/L	44		SW846 8270C
	ND	40	19	ug/L	47	7.0	SW846 8270C
Hexachlorocyclopenta-diene	ND	40	0.0	ug/L	0.0 a		SW846 8270C
	ND	40	0.0	ug/L	0.0 a	0.0	SW846 8270C
Hexachloroethane	ND	40	17	ug/L	43		SW846 8270C
	ND	40	20	ug/L	50	16	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	40	25	ug/L	62		SW846 8270C
	ND	40	27	ug/L	67	6.9	SW846 8270C
Isophorone	ND	40	28	ug/L	69		SW846 8270C
	ND	40	29	ug/L	73	4.9	SW846 8270C
2-Methylnaphthalene	ND	40	24	ug/L	61		SW846 8270C
	ND	40	26	ug/L	64	5.3	SW846 8270C
2-Methylphenol	ND	40	19	ug/L	48		SW846 8270C
	ND	40	19	ug/L	48	0.65	SW846 8270C
4-Methylphenol	ND	80	36	ug/L	45		SW846 8270C
	ND	80	35	ug/L	43	3.3	SW846 8270C
Naphthalene	ND	40	24	ug/L	61		SW846 8270C
	ND	40	26	ug/L	64	5.2	SW846 8270C
2-Nitroaniline	ND	40	27	ug/L	67		SW846 8270C
	ND	40	29	ug/L	72	7.2	SW846 8270C
3-Nitroaniline	ND	40	22	ug/L	56		SW846 8270C
	ND	40	24	ug/L	60	7.3	SW846 8270C
4-Nitroaniline	ND	40	21	ug/L	52		SW846 8270C
	ND	40	22	ug/L	54	3.2	SW846 8270C
Nitrobenzene	ND	40	26	ug/L	64		SW846 8270C
	ND	40	27	ug/L	67	4.5	SW846 8270C
2-Nitrophenol	ND	40	24	ug/L	61		SW846 8270C
	ND	40	26	ug/L	66	7.2	SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AF-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AG-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4-Nitrophenol	**ND**	**40**	**26**	**ug/L**	**64**		**SW846 8270C**
	ND	**40**	**26**	**ug/L**	**66**	**2.8**	**SW846 8270C**
N-Nitrosodiphenylamine	ND	40	24	ug/L	61		SW846 8270C
	ND	40	25	ug/L	63	3.8	SW846 8270C
N-Nitrosodi-n-propyl-amine	**ND**	**40**	**24**	**ug/L**	**59**		**SW846 8270C**
	ND	**40**	**27**	**ug/L**	**68**	**14**	**SW846 8270C**
Pentachlorophenol	**ND**	**40**	**21**	**ug/L**	**52**		**SW846 8270C**
	ND	**40**	**19**	**ug/L**	**48**	**8.1**	**SW846 8270C**
Phenanthrene	ND	40	26	ug/L	65		SW846 8270C
	ND	40	27	ug/L	68	4.1	SW846 8270C
Phenol	**ND**	**40**	**18**	**ug/L**	**45**		**SW846 8270C**
	ND	**40**	**21**	**ug/L**	**52**	**14**	**SW846 8270C**
Pyrene	**ND**	**40**	**24**	**ug/L**	**61**		**SW846 8270C**
	ND	**40**	**26**	**ug/L**	**66**	**7.7**	**SW846 8270C**
Benzoic acid	ND	40	23	ug/L	58		SW846 8270C
	ND	40	24	ug/L	60	3.7	SW846 8270C
Pyridine	ND	40	5.5	ug/L	14 a		SW846 8270C
	ND	40	13	ug/L	31 a,p	79	SW846 8270C
1,4-Dioxane	ND	40	25	ug/L	61		SW846 8270C
	ND	40	24	ug/L	57	5.3	SW846 8270C
1,2,4-Trichloro-benzene	**ND**	**40**	**22**	**ug/L**	**54**		**SW846 8270C**
	ND	**40**	**23**	**ug/L**	**58**	**6.9**	**SW846 8270C**
2,4,5-Trichloro-phenol	ND	40	20	ug/L	51		SW846 8270C
	ND	40	22	ug/L	54	6.8	SW846 8270C
2,4,6-Trichloro-phenol	ND	40	19	ug/L	47		SW846 8270C
	ND	40	18	ug/L	45 a	4.1	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	70	(32 - 112)
	72	(32 - 112)
2-Fluorobiphenyl	64	(30 - 110)
	68	(30 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21AF-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	70	(10 - 144)
	72	(10 - 144)
Phenol-d5	45	(10 - 113)
	46	(10 - 113)
2-Fluorophenol	41	(13 - 110)
	45	(13 - 110)
2,4,6-Tribromophenol	54	(21 - 122)
	49	(21 - 122)

NOTE(S):

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

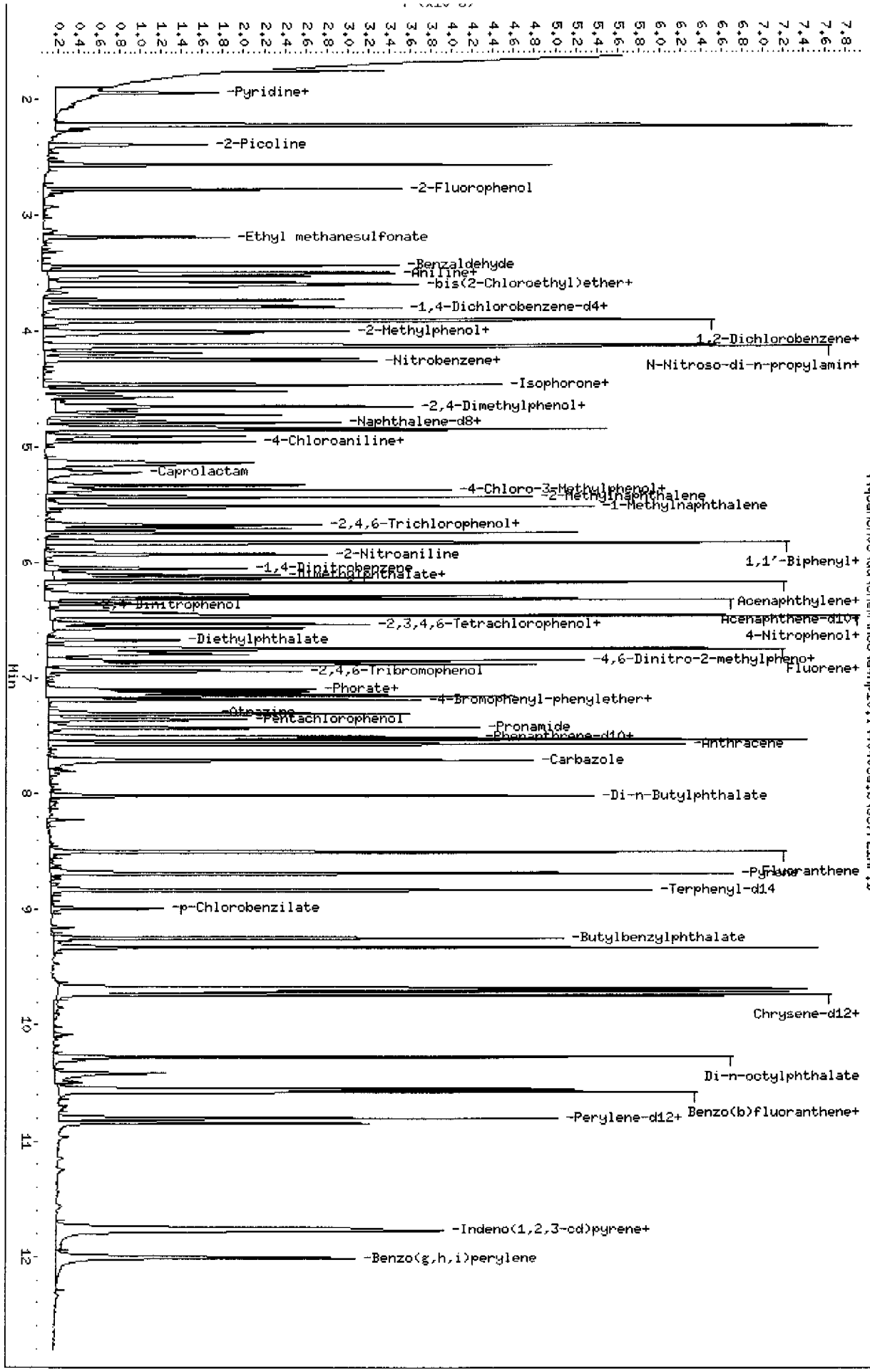
Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Data File: \\qcanch05\dd\chem\HSS\a4hp10.i\40408a.b\GC7F21AF.D
Date : 08-APR-2004 15:25
Client ID: MM44/032904
Sample Info: gc7f21af,40408a.b,8270p,5-8270ap9.sub
Volume Injected (uL): 0.5
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp10.i\40408a.b\GC7F21AF.D
Lab Smp Id: GC7F21AF Client Smp ID: MW44/032904
Inj Date : 08-APR-2004 15:25
Operator : 046900 Inst ID: a4hp10.i
Smp Info : gc7f21af,40408a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hp10.i\40408a.b\8270p.m
Meth Date : 12-Apr-2004 09:59 ulmanm Quant Type: ISTD
Cal Date : 08-APR-2004 11:20 Cal File: 1THHH0408.D
Als bottle: 23 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	500.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.777	3.777	(1.000)	269532	2.00000	(Q)
* 2 Naphthalene-d8	136	4.835	4.835	(1.000)	1144121	2.00000	
* 3 Acenaphthene-d10	164	6.288	6.288	(1.000)	673885	2.00000	
* 4 Phenanthrene-d10	188	7.506	7.506	(1.000)	1149551	2.00000	
* 5 Chrysene-d12	240	9.685	9.691	(1.000)	1108005	2.00000	
* 6 Perylene-d12	264	10.845	10.845	(1.000)	812169	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	3.189	3.200	(0.844)	582665	2.56736	20.539
9 Pyridine	79	1.950	1.891	(0.516)	169915	0.68177	5.4542(Q)
10 N-Nitrosodimethylamine	74	1.944	1.907	(0.515)	511501	2.78126	22.250
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	3.435	3.435	(0.909)	566828	3.11064	24.885(Q)
14 2-Picoline	93	2.393	2.382	(0.634)	345761	1.07654	8.6123
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	3.520	3.526	(0.932)	960769	2.21214	17.697

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
22 Phenol	94	3.504	3.504	(0.928)	776457	2.24405	17.952
23 bis(2-Chloroethyl)ether	93	3.579	3.579	(0.948)	832630	3.34595	26.768
24 2-Chlorophenol	128	3.611	3.611	(0.956)	438945	2.27237	18.179
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	3.729	3.729	(0.987)	462611	2.47866	19.829
27 1,4-Dichlorobenzene	146	3.793	3.793	(1.004)	490003	2.89751	23.180
28 1,2-Dichlorobenzene	146	3.916	3.916	(1.037)	493328	2.72963	21.837
29 Benzyl Alcohol	108	3.905	3.910	(1.034)	549648	3.10278	24.822
30 2-Methylphenol	108	4.001	4.001	(1.059)	575074	2.39965	19.197
31 bis(2-Chloroisopropyl)ether	45	4.017	4.023	(1.064)	930313	3.15652	25.252
32 N-Nitroso-di-n-propylamine	70	4.135	4.140	(1.095)	605784	2.94900	23.592
192 4-Methylphenol	108	4.135	4.135	(1.095)	1104420	4.46092	35.687
193 3-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	4.188	4.188	(1.109)	161085	2.13562	17.085
35 Nitrobenzene	77	4.258	4.263	(0.881)	901211	3.21865	25.749
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	4.124	4.124	(1.092)	1065355	2.82793	22.623
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	4.466	4.471	(0.924)	1788041	3.45725	27.658
42 2-Nitrophenol	139	4.519	4.525	(0.935)	341302	3.05858	24.469(Q)
43 2,4-Dimethylphenol	107	4.573	4.573	(0.946)	281585	1.11996	8.9597(R)
44 bis(2-Chloroethoxy)methane	93	4.653	4.658	(0.962)	974115	3.24435	25.955
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	4.722	4.728	(0.977)	356749	2.25519	18.041
49 Benzoic Acid	122	4.690	4.733	(0.970)	385882	2.88648	23.092
50 1,2,4-Trichlorobenzene	180	4.786	4.792	(0.990)	433312	2.71512	21.721
51 Naphthalene	128	4.851	4.856	(1.003)	1779615	3.03092	24.247
52 4-Chloroaniline	127	4.904	4.909	(1.014)	616192	2.51687	20.135
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	4.957	4.963	(1.025)	179534	2.21497	17.720(R)
210 Caprolactam	113	5.219	5.241	(1.080)	255197	3.25424	26.034(Q)
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	5.326	5.331	(1.102)	565269	2.54818	20.385
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	5.369	5.374	(1.110)	469812	3.05530	24.442
62 2-Methylnaphthalene	142	5.428	5.433	(1.123)	1144242	3.03128	24.250
63 1-Methylnaphthalene	142	5.508	5.513	(1.139)	1101206	3.03631	24.290
64 Hexachlorocyclopentadiene	237	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	5.668	5.673	(0.901)	295023	2.33649	18.692
67 2,4,5-Trichlorophenol	196	5.700	5.705	(0.907)	314661	2.52972	20.238
211 1,1'-Biphenyl	154	5.823	5.823	(0.926)	1463282	3.14063	25.125(Q)
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	6.047	6.053	(0.962)	201342	2.68912	21.513
70 2-Chloronaphthalene	162	5.828	5.834	(0.927)	1083148	3.13656	25.092
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

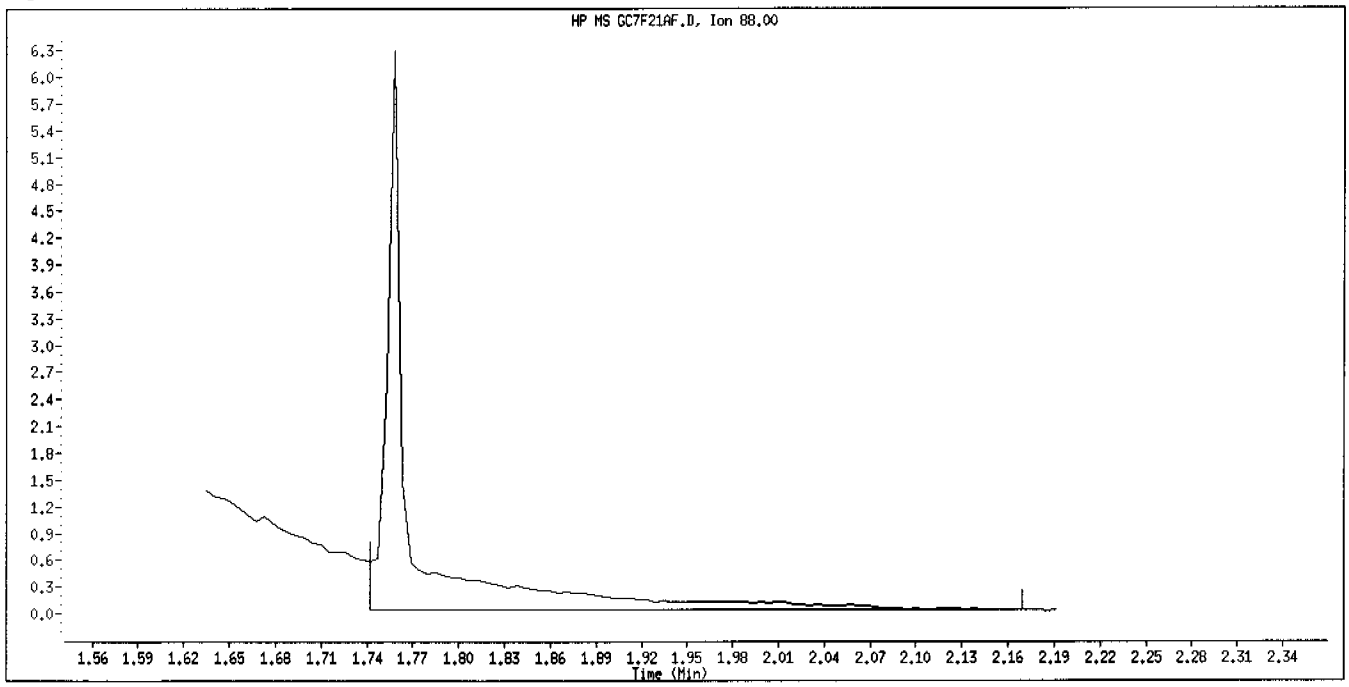
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73 2-Nitroaniline	65	5.924	5.930	(0.942)	507628	3.34255	26.740
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	6.090	6.095	(0.969)	90584	0.22367	1.7893(R)
77 m-Dinitrobenzene	168	6.106	6.111	(0.971)	238283	3.07448	24.596
78 2,6-Dinitrotoluene	165	6.133	6.138	(0.975)	325915	3.61797	28.944
79 Acenaphthylene	152	6.170	6.175	(0.981)	1839934	3.00179	24.014
80 1,2-Dinitrobenzene	168	6.175	6.175	(0.982)	155726	3.48017	27.841
81 3-Nitroaniline	138	6.272	6.272	(0.997)	287040	2.78920	22.314
82 Acenaphthene	153	6.314	6.320	(1.004)	1156113	3.05670	24.454
83 2,4-Dinitrophenol	184	6.357	6.362	(1.011)	157585	2.70030	21.602
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	6.427	6.427	(1.022)	205899	3.21844	25.748(Q)
86 Dibenzofuran	168	6.459	6.464	(1.027)	1635276	3.24262	25.941(R)
87 2,4-Dinitrotoluene	165	6.464	6.469	(1.028)	421003	3.33013	26.641
88 2,3,4,6-Tetrachlorophenol	232	6.565	6.571	(1.044)	270621	2.79448	22.356
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	6.528	6.533	(1.038)	303739	2.84899	22.792
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	6.672	6.678	(1.061)	370926	0.89598	7.1678
94 Fluorene	166	6.742	6.742	(1.072)	1346940	3.26733	26.139
95 4-Chlorophenyl-phenylether	204	6.747	6.752	(1.073)	632346	3.33101	26.648
96 4-Nitroaniline	138	6.774	6.774	(1.077)	287709	2.61620	20.930(R)
98 4,6-Dinitro-2-methylphenol	198	6.795	6.801	(0.905)	232644	2.70091	21.607
99 N-Nitrosodiphenylamine	169	6.849	6.854	(0.912)	944116	3.04503	24.360
100 1,2-Diphenylhydrazine	77	6.881	6.881	(0.917)	1910944	3.24356	25.948
101 Diphenylamine	169	6.849	6.854	(0.912)	944116	3.04503	24.360
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	7.100	7.110	(0.946)	171378	1.70424	13.634(Q)
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	7.148	7.153	(0.952)	359812	3.39495	27.160
107 Hexachlorobenzene	284	7.185	7.190	(0.957)	367975	3.28953	26.316
212 Atrazine	200	7.308	7.308	(0.974)	368473	3.28180	26.254(Q)
108 Phenacetin	108	7.121	7.137	(0.949)	812634	2.83984	22.719(Q)
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	7.356	7.356	(0.980)	218065	2.62139	20.971
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	7.426	7.436	(0.989)	552368	2.92741	23.419
115 Phenanthrene	178	7.527	7.532	(1.003)	2082209	3.26582	26.126
116 Anthracene	178	7.570	7.570	(1.009)	1944434	3.14779	25.182
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	7.709	7.709	(1.027)	1909980	3.46465	27.717
120 Di-n-Butylphthalate	149	8.019	8.019	(1.068)	2018859	2.86240	22.899
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	8.499	8.505	(1.132)	2153127	3.37764	27.021
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	8.681	8.686	(0.896)	2078147	3.04816	24.385
126 Aramite 1	185	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	8.985	8.996	(0.928)	151324	0.71193	5.6954
130 Famphur 1	218	Compound Not Detected.					
M 229 Famphur,Total	100	Compound Not Detected.					
230 Famphur 2	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.247	9.247	(0.955)	903029	2.87425	22.994
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	9.669	9.669	(0.998)	211947	0.92587	7.4069(RH)
136 Benzo(a)Anthracene	228	9.675	9.680	(0.999)	2037104	3.05075	24.406
137 Chrysene	228	9.707	9.712	(1.002)	1853916	2.99175	23.934
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	9.733	9.739	(1.005)	1525403	3.34240	26.739(Q)
140 Di-n-octylphthalate	149	10.273	10.273	(0.947)	2509568	3.47747	27.820
141 Benzo(b)fluoranthene	252	10.551	10.556	(0.973)	2117322	3.15249	25.220
142 Benzo(k)fluoranthene	252	10.572	10.577	(0.975)	2092385	3.22389	25.791
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	10.802	10.802	(0.996)	1749554	3.07919	24.634
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	11.753	11.758	(1.084)	2107869	3.12330	24.986
150 Dibenz(a,h)anthracene	278	11.774	11.774	(1.086)	1788924	3.16424	25.314
151 Benzo(g,h,i)perylene	276	12.009	12.020	(1.107)	1714039	3.03242	24.259
$ 154 Nitrobenzene-d5	82	4.242	4.247	(0.877)	969399	3.50100	28.008
$ 155 2-Fluorobiphenyl	172	5.743	5.743	(0.913)	1340321	3.20637	25.651
$ 156 Terphenyl-d14	244	8.831	8.831	(0.912)	1542375	3.48065	27.845
$ 157 Phenol-d5	99	3.494	3.494	(0.925)	1058200	3.39603	27.168
$ 158 2-Fluorophenol	112	2.778	2.746	(0.736)	669546	3.08655	24.692
$ 159 2,4,6-Tribromophenol	330	6.939	6.939	(1.104)	217111	4.02724	32.218
$ 186 2-Chlorophenol-d4	132	3.595	3.595	(0.952)	714039	3.71343	29.707
$ 187 1,2-Dichlorobenzene-d4	152	3.905	3.905	(1.034)	338595	3.13391	25.071
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	1.757	1.688	(0.465)	294020	3.14613	25.169(M)
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

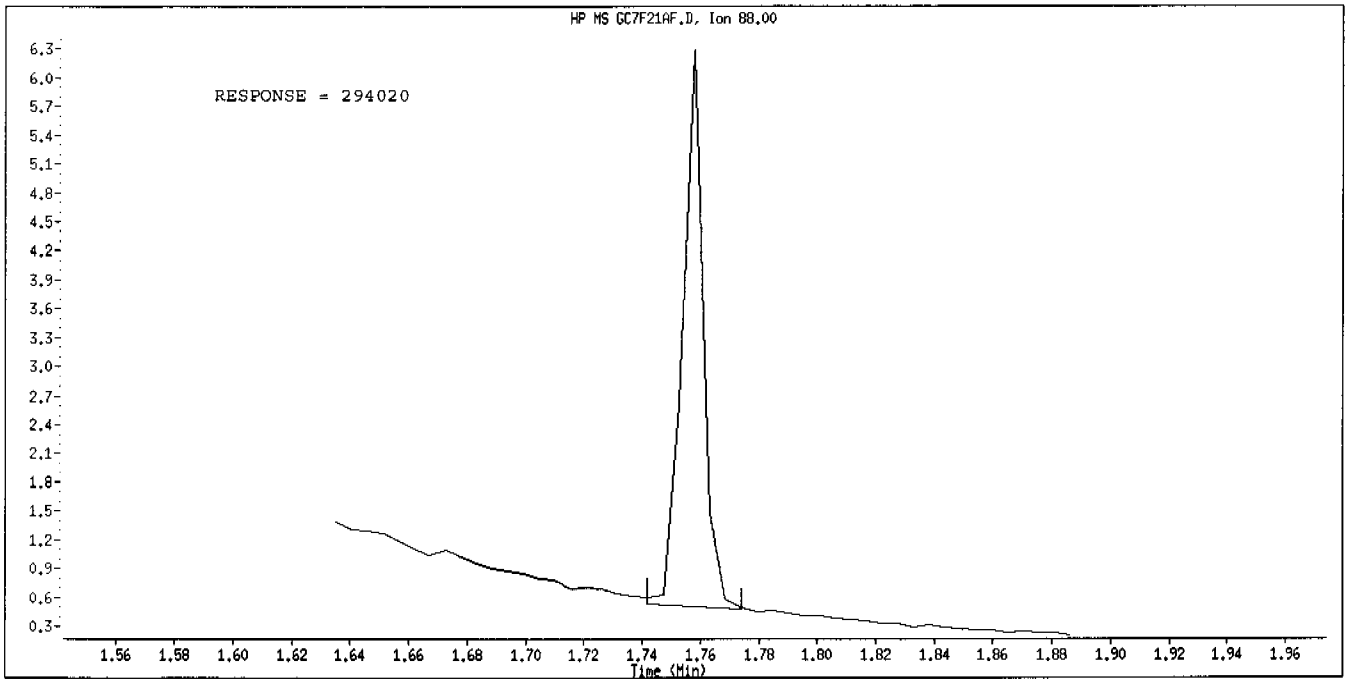
QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: GC7F21AF.D
Inj. Date and Time: 08-APR-2004 15:25
Instrument ID: a4hp10.i
Client ID: MW44/032904
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/12/2004



Original Integration

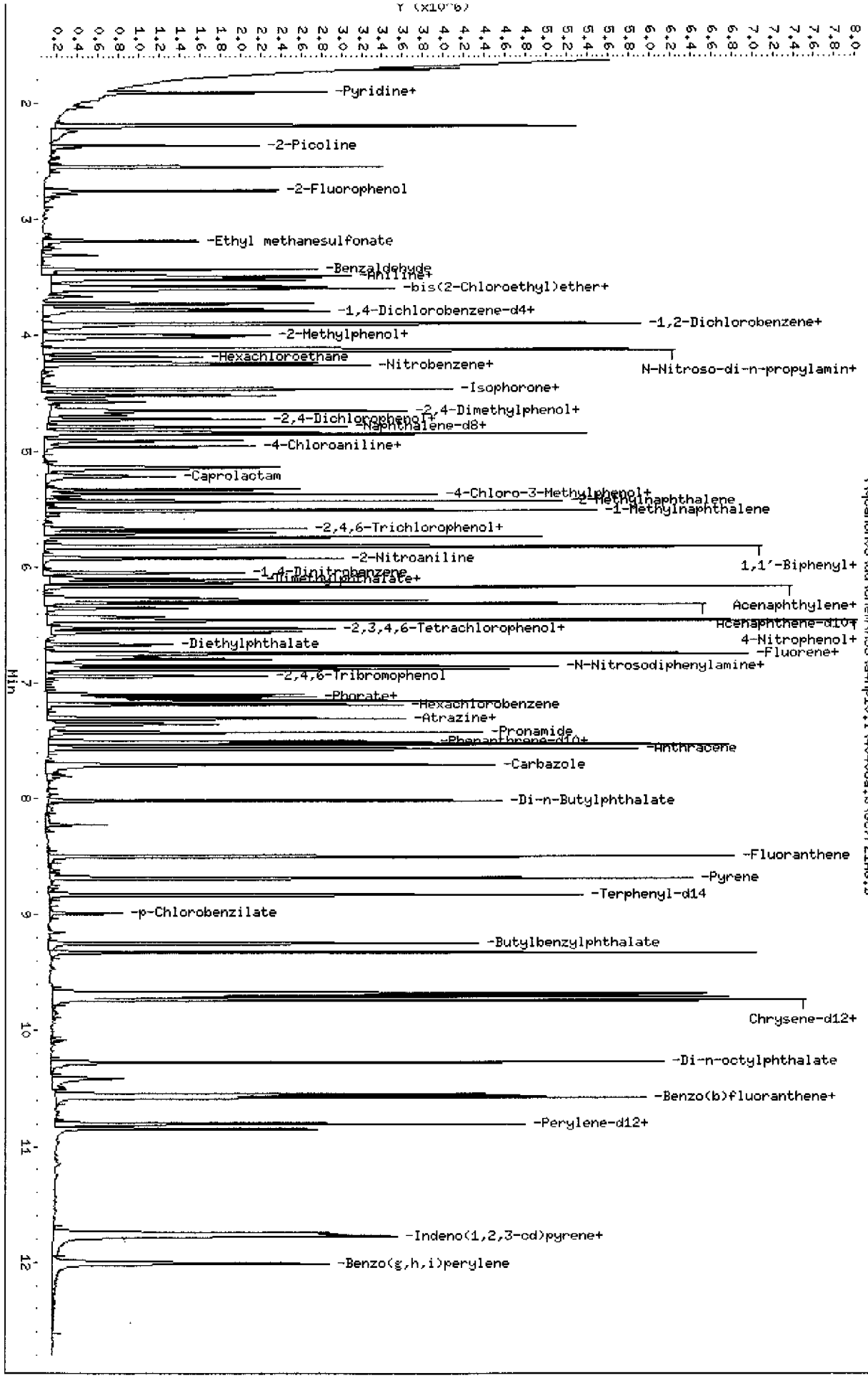


Manual Integration

Manually Integrated By: ulmanm
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh05\dd\chem\MS\a4hp10.i\40408a.b\GC7F21AG.D
Date : 08-APR-2004 15:45
Client ID: MW44/032904
Sample Info: gc7f21ag,40408a,b,8270p,5-8270ap9,sub
Volume Injected (uL): 0.5
Column phase: db5.625

Instrument: a4hp10.i
Operator: 046900
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hpl0.i\40408a.b\GC7F21AG.D
Lab Smp Id: GC7F21AG Client Smp ID: MW44/032904
Inj Date : 08-APR-2004 15:45
Operator : 046900 Inst ID: a4hpl0.i
Smp Info : gc7f21ag,40408a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\QCANOH05\dd\chem\MSS\a4hpl0.i\40408a.b\8270p.m
Meth Date : 12-Apr-2004 09:59 ulmanm Quant Type: ISTD
Cal Date : 08-APR-2004 11:20 Cal File: 1THHH0408.D
Als bottle: 24 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	500.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	3.777	3.777	(1.000)	215310	2.00000	(Q)
* 2 Naphthalene-d8	136	4.835	4.835	(1.000)	996301	2.00000	
* 3 Acenaphthene-d10	164	6.288	6.288	(1.000)	577991	2.00000	
* 4 Phenanthrene-d10	188	7.506	7.506	(1.000)	995131	2.00000	
* 5 Chrysene-d12	240	9.685	9.691	(1.000)	933754	2.00000	
* 6 Perylene-d12	264	10.845	10.845	(1.000)	663129	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	3.189	3.200	(0.844)	525257	2.89725	23.178
9 Pyridine	79	1.912	1.891	(0.506)	312403	1.56917	12.553(Q)
10 N-Nitrosodimethylamine	74	1.912	1.907	(0.506)	456653	3.10833	24.867
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	3.435	3.435	(0.909)	529760	3.63935	29.115(Q)
14 2-Picoline	93	2.366	2.382	(0.627)	489187	1.90667	15.253
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	3.520	3.526	(0.932)	844355	2.43369	19.470

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
22	Phenol	94	3.504	3.504	(0.928)	716298	2.59152	20.732
23	bis(2-Chloroethyl)ether	93	3.579	3.579	(0.948)	759319	3.81978	30.558
24	2-Chlorophenol	128	3.606	3.611	(0.955)	379022	2.45629	19.650
25	Pentachloroethane	167	Compound Not Detected.					
26	1,3-Dichlorobenzene	146	3.729	3.729	(0.987)	420443	2.82004	22.560
27	1,4-Dichlorobenzene	146	3.793	3.793	(1.004)	449077	3.32424	26.594
28	1,2-Dichlorobenzene	146	3.916	3.916	(1.037)	447836	3.10194	24.816
29	Benzyl Alcohol	108	3.905	3.910	(1.034)	508955	3.59659	28.773
30	2-Methylphenol	108	3.996	4.001	(1.058)	456358	2.38383	19.071
31	bis(2-Chloroisopropyl)ether	45	4.017	4.023	(1.064)	840615	3.57045	28.564
32	N-Nitroso-di-n-propylamine	70	4.129	4.140	(1.093)	556910	3.39381	27.150
192	4-Methylphenol	108	4.135	4.135	(1.095)	853394	4.31505	34.520
193	3-Methylphenol	108	Compound Not Detected.					
34	Hexachloroethane	117	4.188	4.188	(1.109)	150919	2.50471	20.038
35	Nitrobenzene	77	4.258	4.263	(0.881)	820992	3.36719	26.938
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	4.119	4.124	(1.091)	997348	3.31411	26.513
39	o-Toluidine	106	Compound Not Detected.					
40	N-Nitrosopiperidine	114	Compound Not Detected.					
41	Isophorone	82	4.466	4.471	(0.924)	1634846	3.63004	29.040
42	2-Nitrophenol	139	4.519	4.525	(0.935)	319327	3.28623	26.290(Q)
43	2,4-Dimethylphenol	107	4.573	4.573	(0.946)	220935	1.00911	8.0729(R)
44	bis(2-Chloroethoxy)methane	93	4.653	4.658	(0.962)	888645	3.39881	27.190
45	O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46	2,4-Toluenediamene	121	Compound Not Detected.					
47	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48	2,4-Dichlorophenol	162	4.722	4.728	(0.977)	307905	2.23521	17.882
49	Benzoic Acid	122	4.690	4.733	(0.970)	350536	2.99590	23.967
50	1,2,4-Trichlorobenzene	180	4.786	4.792	(0.990)	404196	2.90845	23.268
51	Naphthalene	128	4.851	4.856	(1.003)	1632819	3.19350	25.548
52	4-Chloroaniline	127	4.904	4.909	(1.014)	534035	2.50493	20.039
53	a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
55	Hexachloropropene	213	Compound Not Detected.					
56	Hexachlorobutadiene	225	4.957	4.963	(1.025)	167621	2.37482	18.998
210	Caprolactam	113	5.214	5.241	(1.078)	232310	3.40192	27.215(Q)
57	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58	N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	5.326	5.331	(1.102)	449304	2.32593	18.607
60	p-Phenylene diamine	108	Compound Not Detected.					
61	Safrole	162	5.369	5.374	(1.110)	439705	3.28377	26.270
62	2-Methylnaphthalene	142	5.428	5.433	(1.123)	1050303	3.19525	25.562
63	1-Methylnaphthalene	142	5.508	5.513	(1.139)	1017013	3.22022	25.762
64	Hexachlorocyclopentadiene	237	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	5.668	5.673	(0.901)	242772	2.24167	17.933
67	2,4,5-Trichlorophenol	196	5.700	5.705	(0.907)	288841	2.70740	21.659
211	1,1'-Biphenyl	154	5.818	5.823	(0.925)	1370366	3.42918	27.433(Q)
68	1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69	1,4-Dinitrobenzene	168	6.047	6.053	(0.962)	185494	2.87733	23.019
70	2-Chloronaphthalene	162	5.828	5.834	(0.927)	985293	3.32656	26.612
71	Isosafrole 1	162	Compound Not Detected.					
M 188	Isosafrole, Total	162	Compound Not Detected.					
72	Isosafrole 2	162	Compound Not Detected.					

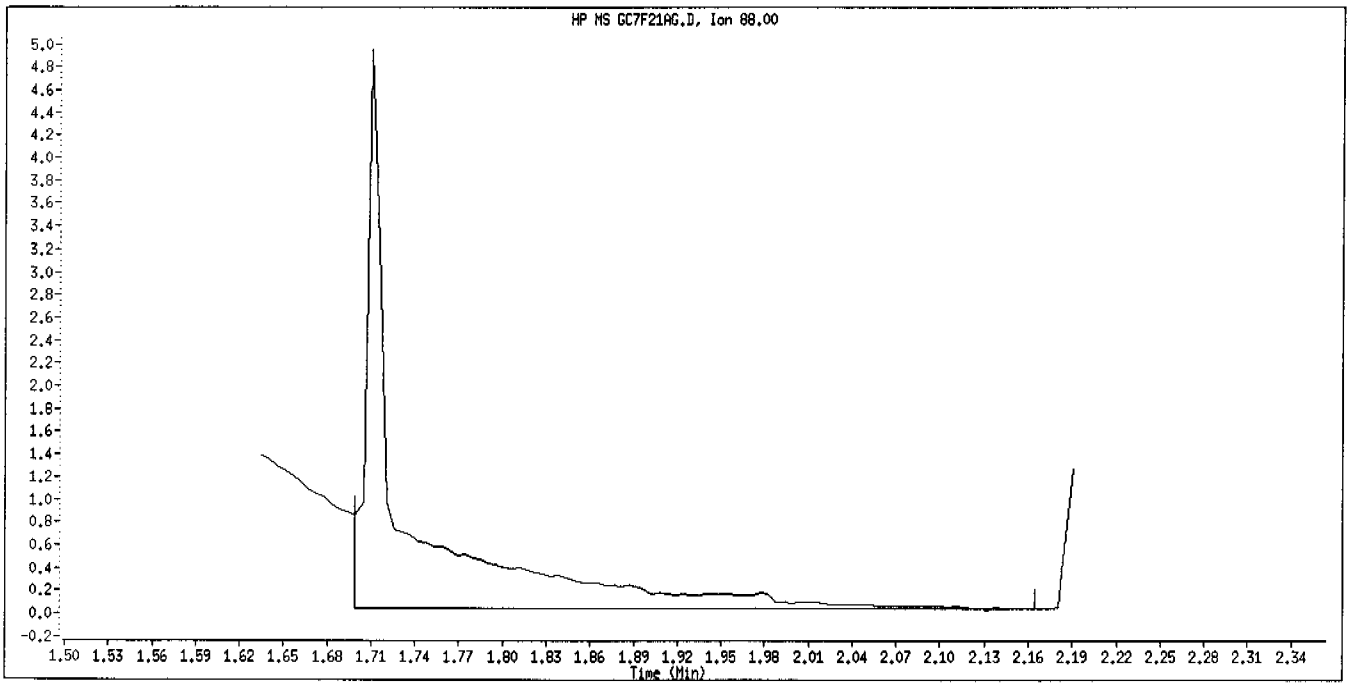
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73	2-Nitroaniline	65	5.924	5.930	(0.942)	467912	3.59221	28.738
74	1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75	1,4-Naphthoquinone	158	Compound Not Detected.					
76	Dimethylphthalate	163	6.090	6.095	(0.969)	64185	0.18478	1.4782(R)
77	m-Dinitrobenzene	168	6.106	6.111	(0.971)	217465	3.27139	26.171
78	2,6-Dinitrotoluene	165	6.133	6.138	(0.975)	296673	3.83976	30.718
79	Acenaphthylene	152	6.170	6.175	(0.981)	1688149	3.21110	25.689
80	1,2-Dinitrobenzene	168	6.170	6.175	(0.981)	144234	3.75813	30.065
81	3-Nitroaniline	138	6.266	6.272	(0.997)	264800	2.99999	24.000
82	Acenaphthene	153	6.314	6.320	(1.004)	1054308	3.25001	26.000
83	2,4-Dinitrophenol	184	6.352	6.362	(1.010)	159721	3.12440	24.995
84	Pentachlorobenzene	250	Compound Not Detected.					
85	4-Nitrophenol	109	6.427	6.427	(1.022)	182088	3.31111	26.489(Q)
86	Dibenzofuran	168	6.459	6.464	(1.027)	1492294	3.45004	27.600(R)
87	2,4-Dinitrotoluene	165	6.459	6.469	(1.027)	374508	3.45384	27.631
88	2,3,4,6-Tetrachlorophenol	232	6.560	6.571	(1.043)	237403	2.85819	22.865
89	1-Naphthylamine	143	Compound Not Detected.					
90	Zinophos	97	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	232	6.528	6.533	(1.038)	263580	2.88249	23.060
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	6.667	6.678	(1.060)	266750	0.75124	6.0099(R)
94	Fluorene	166	6.742	6.742	(1.072)	1248305	3.53045	28.244
95	4-Chlorophenyl-phenylether	204	6.747	6.752	(1.073)	580551	3.56555	28.524
96	4-Nitroaniline	138	6.768	6.774	(1.076)	254732	2.70063	21.605(R)
98	4,6-Dinitro-2-methylphenol	198	6.790	6.801	(0.905)	232013	3.08478	24.678
99	N-Nitrosodiphenylamine	169	6.849	6.854	(0.912)	848729	3.16216	25.297
100	1,2-Diphenylhydrazine	77	6.881	6.881	(0.917)	1759999	3.45092	27.607
101	Diphenylamine	169	6.849	6.854	(0.912)	848729	3.16216	25.297
102	Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103	Diallate 1	86	Compound Not Detected.					
M 189	Diallate, Total	100	Compound Not Detected.					
104	Phorate	121	7.094	7.110	(0.945)	148568	1.70666	13.653(Q)
105	1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	7.148	7.153	(0.952)	326199	3.55540	28.443
107	Hexachlorobenzene	284	7.185	7.190	(0.957)	331260	3.42083	27.367
212	Atrazine	200	7.308	7.308	(0.974)	337333	3.47067	27.765(Q)
108	Phenacetin	108	7.121	7.137	(0.949)	720473	2.90847	23.268(Q)
109	Diallate 2	86	Compound Not Detected.					
110	Dimethoate	87	Compound Not Detected.					
111	Pentachlorophenol	266	7.356	7.356	(0.980)	174058	2.41706	19.336
112	Pentachloronitrobenzene	237	Compound Not Detected.					
113	4-Aminobiphenyl	169	Compound Not Detected.					
114	Pronamide	173	7.426	7.436	(0.989)	505693	3.09592	24.767
115	Phenanthrene	178	7.527	7.532	(1.003)	1878474	3.40346	27.228
116	Anthracene	178	7.570	7.570	(1.009)	1787651	3.34305	26.744
117	Dinoseb	211	Compound Not Detected.					
118	Disulfoton	88	Compound Not Detected.					
119	Carbazole	167	7.709	7.709	(1.027)	1718373	3.60078	28.806
120	Di-n-Butylphthalate	149	8.019	8.019	(1.068)	1702520	2.78846	22.308
121	4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122	Methapyrilene	58	Compound Not Detected.					
123	Fluoranthene	202	8.499	8.505	(1.132)	1903995	3.45030	27.602
124	Benzidine	184	Compound Not Detected.					
125	Pyrene	202	8.681	8.686	(0.896)	1892086	3.29315	26.345
126	Aramite 1	185	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	8.986	8.996	(0.928)	88735	0.49538	3.9630
130 Famphur 1	218	Compound Not Detected.					
M 229 Famphur,Total	100	Compound Not Detected.					
230 Famphur 2	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.247	9.247	(0.955)	763770	2.88466	23.077
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	Compound Not Detected.					
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	9.669	9.669	(0.998)	172833	0.89590	7.1672(R)
136 Benzo(a)Anthracene	228	9.675	9.680	(0.999)	1786157	3.17411	25.393
137 Chrysene	228	9.707	9.712	(1.002)	1663109	3.18467	25.477
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	9.733	9.739	(1.005)	1414576	3.67798	29.424(Q)
140 Di-n-octylphthalate	149	10.273	10.273	(0.947)	2185088	3.70836	29.667
141 Benzo(b)fluoranthene	252	10.551	10.556	(0.973)	1824484	3.32702	26.616
142 Benzo(k)fluoranthene	252	10.572	10.577	(0.975)	1884403	3.55599	28.448
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	10.802	10.802	(0.996)	1521460	3.27958	26.237
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	11.753	11.758	(1.084)	1844608	3.34751	26.780
150 Dibenz(a,h)anthracene	278	11.774	11.774	(1.086)	1579594	3.42193	27.375
151 Benzo(g,h,i)perylene	276	12.009	12.020	(1.107)	1543269	3.34394	26.752
$ 154 Nitrobenzene-d5	82	4.242	4.247	(0.877)	867357	3.59724	28.778
$ 155 2-Fluorobiphenyl	172	5.743	5.743	(0.913)	1211348	3.37861	27.029
$ 156 Terphenyl-d14	244	8.825	8.831	(0.911)	1346769	3.60639	28.851
$ 157 Phenol-d5	99	3.494	3.494	(0.925)	857126	3.44345	27.548
$ 158 2-Fluorophenol	112	2.762	2.746	(0.731)	590909	3.41004	27.280
$ 159 2,4,6-Tribromophenol	330	6.939	6.939	(1.104)	168680	3.64799	29.184
$ 186 2-Chlorophenol-d4	132	3.595	3.595	(0.952)	586688	3.81950	30.556
$ 187 1,2-Dichlorobenzene-d4	152	3.900	3.905	(1.033)	290060	3.36077	26.886
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	1.709	1.688	(0.453)	222676	2.98277	23.862(M)
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

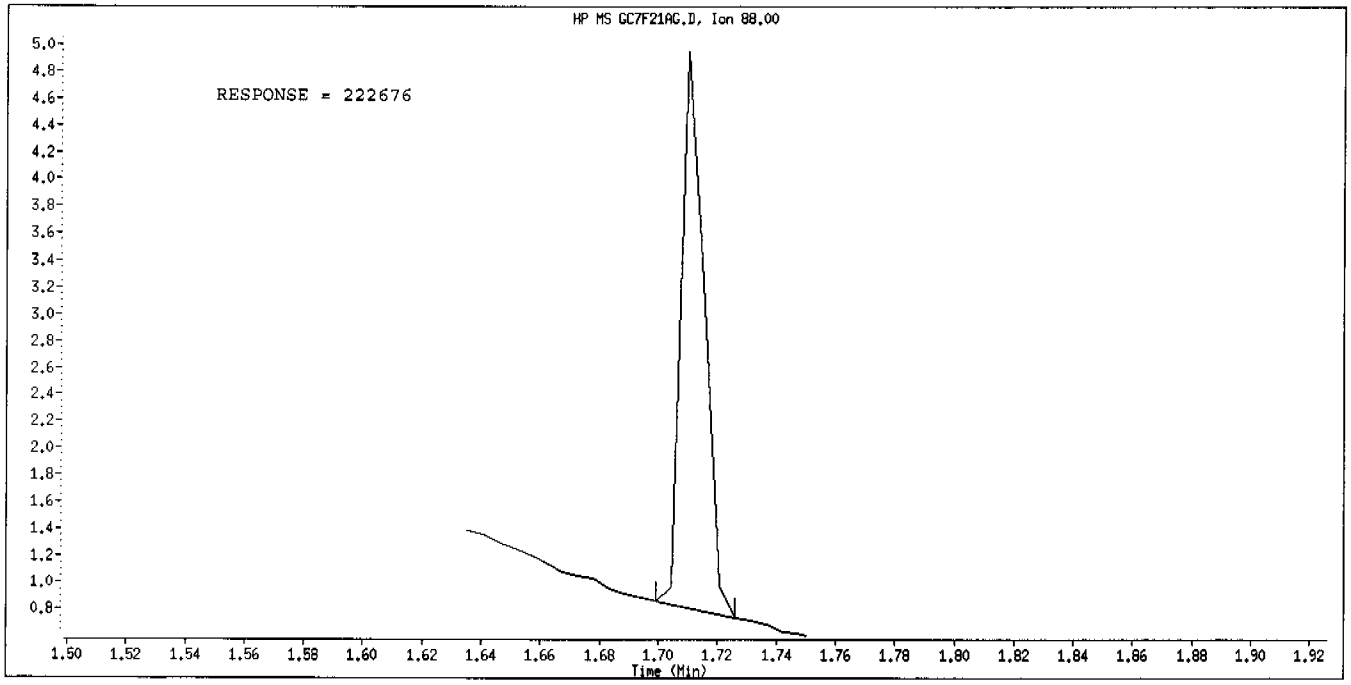
QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File Name: GC7F21AG.D
Inj. Date and Time: 08-APR-2004 15:45
Instrument ID: a4hp10.i
Client ID: MW44/032904
Compound Name: 1,4-Dioxane
CAS #: 123-91-1
Report Date: 04/12/2004



Original Integration



Manual Integration

Manually Integrated By: ulmanm
Manual Integration Reason: Poor Chromatography

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21A9-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21CA-MSD
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04
Prep Date.....: 04/13/04 **Analysis Date..:** 04/14/04
Prep Batch #...: 4104113
Dilution Factor: 1 **Initial Wgt/Vol:** 500 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Carbazole	62	(48 - 119)			SW846 8270C
	79	(48 - 119)	23	(0-53)	SW846 8270C
Acenaphthene	**55**	**(26 - 118)**			**SW846 8270C**
	69	**(26 - 118)**	**23**	**(0-35)**	**SW846 8270C**
Acenaphthylene	56	(49 - 111)			SW846 8270C
	70	(49 - 111)	22	(0-51)	SW846 8270C
Anthracene	68	(49 - 118)			SW846 8270C
	85	(49 - 118)	22	(0-51)	SW846 8270C
Benzo(a)anthracene	69	(48 - 115)			SW846 8270C
	84	(48 - 115)	19	(0-51)	SW846 8270C
Benzo(a)pyrene	66	(44 - 122)			SW846 8270C
	83	(44 - 122)	23	(0-51)	SW846 8270C
Benzo(b)fluoranthene	71	(44 - 123)			SW846 8270C
	88	(44 - 123)	22	(0-54)	SW846 8270C
Benzo(ghi)perylene	63	(44 - 122)			SW846 8270C
	80	(44 - 122)	23	(0-55)	SW846 8270C
Benzo(k)fluoranthene	54	(46 - 123)			SW846 8270C
	65	(46 - 123)	17	(0-53)	SW846 8270C
4-Bromophenyl phenyl ether	65	(51 - 119)			SW846 8270C
	82	(51 - 119)	23	(0-51)	SW846 8270C
Butyl benzyl phthalate	68	(41 - 127)			SW846 8270C
	82	(41 - 127)	19	(0-84)	SW846 8270C
4-Chloroaniline	38	(10 - 110)			SW846 8270C
	51	(10 - 110)	30	(0-99)	SW846 8270C
bis(2-Chloroethoxy) methane	47 a	(57 - 114)			SW846 8270C
	61	(57 - 114)	25	(0-49)	SW846 8270C
bis(2-Chloroethyl)-ether	48 a	(57 - 120)			SW846 8270C
	63	(57 - 120)	27	(0-51)	SW846 8270C
bis(2-Chloroisopropyl) ether	42 a	(53 - 122)			SW846 8270C
	55	(53 - 122)	27	(0-52)	SW846 8270C
4-Chloro-3-methylphenol	**50**	**(21 - 124)**			**SW846 8270C**
	50	**(21 - 124)**	**0.37**	**(0-55)**	**SW846 8270C**

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21A9-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21CA-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Chloronaphthalene	57	(51 - 119)			SW846 8270C
	72	(51 - 119)	23	(0-51)	SW846 8270C
2-Chlorophenol	**54**	**(19 - 124)**			**SW846 8270C**
	53	**(19 - 124)**	**0.86**	**(0-43)**	**SW846 8270C**
4-Chlorophenyl phenyl ether	57	(51 - 118)			SW846 8270C
	70	(51 - 118)	20	(0-51)	SW846 8270C
Chrysene	62	(49 - 118)			SW846 8270C
	74	(49 - 118)	18	(0-52)	SW846 8270C
Dibenz(a,h)anthracene	65	(45 - 127)			SW846 8270C
	81	(45 - 127)	22	(0-57)	SW846 8270C
Dibenzofuran	55	(51 - 117)			SW846 8270C
	70	(51 - 117)	23	(0-51)	SW846 8270C
Di-n-butyl phthalate	66	(41 - 121)			SW846 8270C
	81	(41 - 121)	20	(0-53)	SW846 8270C
1,2-Dichlorobenzene	52	(43 - 112)			SW846 8270C
	68	(43 - 112)	26	(0-85)	SW846 8270C
1,3-Dichlorobenzene	53	(35 - 114)			SW846 8270C
	68	(35 - 114)	25	(0-89)	SW846 8270C
1,4-Dichlorobenzene	**58**	**(18 - 110)**			**SW846 8270C**
	75	**(18 - 110)**	**26**	**(0-36)**	**SW846 8270C**
3,3'-Dichlorobenzidine	28	(10 - 110)			SW846 8270C
	40	(10 - 110)	34	(0-99)	SW846 8270C
2,4-Dichlorophenol	54	(52 - 121)			SW846 8270C
	55	(52 - 121)	1.2	(0-88)	SW846 8270C
Diethyl phthalate	56	(10 - 148)			SW846 8270C
	73	(10 - 148)	27	(0-81)	SW846 8270C
2,4-Dimethylphenol	21	(10 - 125)			SW846 8270C
	21	(10 - 125)	0.14	(0-62)	SW846 8270C
Dimethyl phthalate	55	(10 - 159)			SW846 8270C
	70	(10 - 159)	25	(0-99)	SW846 8270C
4,6-Dinitro-2-methylphenol	80	(20 - 158)			SW846 8270C
	79	(20 - 158)	1.2	(0-99)	SW846 8270C
2,4-Dinitrophenol	68	(10 - 168)			SW846 8270C
	68	(10 - 168)	0.42	(0-99)	SW846 8270C
2,4-Dinitrotoluene	**59**	**(31 - 131)**			**SW846 8270C**
	78	**(31 - 131)**	**27**	**(0-32)**	**SW846 8270C**
2,6-Dinitrotoluene	63	(58 - 127)			SW846 8270C
	83	(58 - 127)	27	(0-82)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21A9-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21CA-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Di-n-octyl phthalate	67	(39 - 144)			SW846 8270C
	84	(39 - 144)	22	(0-89)	SW846 8270C
bis(2-Ethylhexyl) phthalate	66	(43 - 128)			SW846 8270C
	80	(43 - 128)	19	(0-84)	SW846 8270C
Fluoranthene	62	(49 - 122)			SW846 8270C
	75	(49 - 122)	20	(0-53)	SW846 8270C
Fluorene	58	(51 - 119)			SW846 8270C
	72	(51 - 119)	22	(0-51)	SW846 8270C
Hexachlorobenzene	67	(48 - 123)			SW846 8270C
	84	(48 - 123)	22	(0-51)	SW846 8270C
Hexachlorobutadiene	53	(35 - 118)			SW846 8270C
	65	(35 - 118)	20	(0-56)	SW846 8270C
Hexachlorocyclopenta-diene	60	(10 - 113)			SW846 8270C
	73	(10 - 113)	21	(0-97)	SW846 8270C
Hexachloroethane	50	(31 - 118)			SW846 8270C
	61	(31 - 118)	20	(0-92)	SW846 8270C
Indeno(1,2,3-cd)pyrene	64	(39 - 126)			SW846 8270C
	82	(39 - 126)	24	(0-59)	SW846 8270C
Isophorone	51 a	(56 - 112)			SW846 8270C
	67	(56 - 112)	27	(0-50)	SW846 8270C
2-Methylnaphthalene	55	(45 - 119)			SW846 8270C
	70	(45 - 119)	24	(0-51)	SW846 8270C
2-Methylphenol	36	(29 - 115)			SW846 8270C
	35	(29 - 115)	0.86	(0-31)	SW846 8270C
4-Methylphenol	37	(29 - 122)			SW846 8270C
	37	(29 - 122)	0.29	(0-55)	SW846 8270C
Naphthalene	53	(50 - 176)			SW846 8270C
	68	(50 - 176)	25	(0-52)	SW846 8270C
2-Nitroaniline	48	(48 - 125)			SW846 8270C
	63	(48 - 125)	27	(0-83)	SW846 8270C
3-Nitroaniline	49	(10 - 140)			SW846 8270C
	64	(10 - 140)	26	(0-99)	SW846 8270C
4-Nitroaniline	56	(20 - 122)			SW846 8270C
	62	(20 - 122)	10	(0-99)	SW846 8270C
Nitrobenzene	45 a	(56 - 125)			SW846 8270C
	59	(56 - 125)	28	(0-81)	SW846 8270C
2-Nitrophenol	71	(51 - 131)			SW846 8270C
	70	(51 - 131)	1.0	(0-77)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21A9-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21CA-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Nitrophenol	**35**	**(10 - 145)**			**SW846 8270C**
	38	**(10 - 145)**	**8.6**	**(0-34)**	**SW846 8270C**
N-Nitrosodiphenylamine	66	(49 - 117)			SW846 8270C
	83	(49 - 117)	23	(0-51)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**44**	**(18 - 115)**			**SW846 8270C**
	58	**(18 - 115)**	**28**	**(0-36)**	**SW846 8270C**
Pentachlorophenol	**66**	**(10 - 140)**			**SW846 8270C**
	66	**(10 - 140)**	**1.0**	**(0-56)**	**SW846 8270C**
Phenanthrene	64	(52 - 117)			SW846 8270C
	80	(52 - 117)	22	(0-51)	SW846 8270C
Phenol	**26**	**(10 - 131)**			**SW846 8270C**
	27	**(10 - 131)**	**2.8**	**(0-43)**	**SW846 8270C**
Pyrene	**57**	**(27 - 138)**			**SW846 8270C**
	70	**(27 - 138)**	**20**	**(0-31)**	**SW846 8270C**
Benzoic acid	31	(10 - 184)			SW846 8270C
	29	(10 - 184)	5.8	(0-99)	SW846 8270C
Pyridine	39 a	(70 - 130)			SW846 8270C
	49 a	(70 - 130)	24	(0-30)	SW846 8270C
1,4-Dioxane	47	(10 - 200)			SW846 8270C
	52	(10 - 200)	11	(0-30)	SW846 8270C
1,2,4-Trichloro-benzene	**52**	**(22 - 110)**			**SW846 8270C**
	63	**(22 - 110)**	**20**	**(0-37)**	**SW846 8270C**
2,4,5-Trichloro-phenol	59	(45 - 125)			SW846 8270C
	57	(45 - 125)	3.1	(0-74)	SW846 8270C
2,4,6-Trichloro-phenol	60	(46 - 122)			SW846 8270C
	62	(46 - 122)	3.1	(0-98)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	48	(32 - 112)
	61	(32 - 112)
2-Fluorobiphenyl	50	(30 - 110)
	65	(30 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21A9-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21CA-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	65	(10 - 144)
	80	(10 - 144)
Phenol-d5	28	(10 - 113)
	28	(10 - 113)
2-Fluorophenol	37	(13 - 110)
	37	(13 - 110)
2,4,6-Tribromophenol	69	(21 - 122)
	68	(21 - 122)

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 Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21A9-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21CA-MSD
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04
Prep Date.....: 04/13/04 **Analysis Date..:** 04/14/04
Prep Batch #...: 4104113
Dilution Factor: 1 **Initial Wgt/Vol:** 500 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Carbazole	ND	40	25	ug/L	62		SW846 8270C
	ND	40	32	ug/L	79	23	SW846 8270C
Acenaphthene	**ND**	**40**	**22**	**ug/L**	**55**		**SW846 8270C**
	ND	**40**	**27**	**ug/L**	**69**	**23**	**SW846 8270C**
Acenaphthylene	ND	40	22	ug/L	56		SW846 8270C
	ND	40	28	ug/L	70	22	SW846 8270C
Anthracene	ND	40	27	ug/L	68		SW846 8270C
	ND	40	34	ug/L	85	22	SW846 8270C
Benzo(a)anthracene	ND	40	28	ug/L	69		SW846 8270C
	ND	40	33	ug/L	84	19	SW846 8270C
Benzo(a)pyrene	ND	40	26	ug/L	66		SW846 8270C
	ND	40	33	ug/L	83	23	SW846 8270C
Benzo(b)fluoranthene	ND	40	28	ug/L	71		SW846 8270C
	ND	40	35	ug/L	88	22	SW846 8270C
Benzo(ghi)perylene	ND	40	25	ug/L	63		SW846 8270C
	ND	40	32	ug/L	80	23	SW846 8270C
Benzo(k)fluoranthene	ND	40	22	ug/L	54		SW846 8270C
	ND	40	26	ug/L	65	17	SW846 8270C
4-Bromophenyl phenyl ether	ND	40	26	ug/L	65		SW846 8270C
	ND	40	33	ug/L	82	23	SW846 8270C
Butyl benzyl phthalate	ND	40	27	ug/L	68		SW846 8270C
	ND	40	33	ug/L	82	19	SW846 8270C
4-Chloroaniline	ND	40	15	ug/L	38		SW846 8270C
	ND	40	20	ug/L	51	30	SW846 8270C
bis(2-Chloroethoxy) methane	ND	40	19	ug/L	47 a		SW846 8270C
	ND	40	24	ug/L	61	25	SW846 8270C
bis(2-Chloroethyl)-ether	ND	40	19	ug/L	48 a		SW846 8270C
	ND	40	25	ug/L	63	27	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	40	17	ug/L	42 a		SW846 8270C
	ND	40	22	ug/L	55	27	SW846 8270C
4-Chloro-3-methylphenol	**ND**	**40**	**20**	**ug/L**	**50**		**SW846 8270C**
	ND	**40**	**20**	**ug/L**	**50**	**0.37**	**SW846 8270C**

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21A9-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21CA-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chloronaphthalene	ND	40	23	ug/L	57		SW846 8270C
	ND	40	29	ug/L	72	23	SW846 8270C
2-Chlorophenol	**ND**	**40**	**21**	**ug/L**	**54**		**SW846 8270C**
	ND	**40**	**21**	**ug/L**	**53**	**0.86**	**SW846 8270C**
4-Chlorophenyl phenyl ether	ND	40	23	ug/L	57		SW846 8270C
	ND	40	28	ug/L	70	20	SW846 8270C
Chrysene	ND	40	25	ug/L	62		SW846 8270C
	ND	40	30	ug/L	74	18	SW846 8270C
Dibenz(a,h)anthracene	ND	40	26	ug/L	65		SW846 8270C
	ND	40	32	ug/L	81	22	SW846 8270C
Dibenzofuran	ND	40	22	ug/L	55		SW846 8270C
	ND	40	28	ug/L	70	23	SW846 8270C
Di-n-butyl phthalate	ND	40	26	ug/L	66		SW846 8270C
	ND	40	32	ug/L	81	20	SW846 8270C
1,2-Dichlorobenzene	ND	40	21	ug/L	52		SW846 8270C
	ND	40	27	ug/L	68	26	SW846 8270C
1,3-Dichlorobenzene	ND	40	21	ug/L	53		SW846 8270C
	ND	40	27	ug/L	68	25	SW846 8270C
1,4-Dichlorobenzene	**ND**	**40**	**23**	**ug/L**	**58**		**SW846 8270C**
	ND	**40**	**30**	**ug/L**	**75**	**26**	**SW846 8270C**
3,3'-Dichlorobenzidine	ND	40	11	ug/L	28		SW846 8270C
	ND	40	16	ug/L	40	34	SW846 8270C
2,4-Dichlorophenol	ND	40	22	ug/L	54		SW846 8270C
	ND	40	22	ug/L	55	1.2	SW846 8270C
Diethyl phthalate	ND	40	22	ug/L	56		SW846 8270C
	ND	40	29	ug/L	73	27	SW846 8270C
2,4-Dimethylphenol	ND	40	8.5	ug/L	21		SW846 8270C
	ND	40	8.5	ug/L	21	0.14	SW846 8270C
Dimethyl phthalate	ND	40	22	ug/L	55		SW846 8270C
	ND	40	28	ug/L	70	25	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	40	32	ug/L	80		SW846 8270C
	ND	40	32	ug/L	79	1.2	SW846 8270C
2,4-Dinitrophenol	ND	40	27	ug/L	68		SW846 8270C
	ND	40	27	ug/L	68	0.42	SW846 8270C
2,4-Dinitrotoluene	**ND**	**40**	**24**	**ug/L**	**59**		**SW846 8270C**
	ND	**40**	**31**	**ug/L**	**78**	**27**	**SW846 8270C**
2,6-Dinitrotoluene	ND	40	25	ug/L	63		SW846 8270C
	ND	40	33	ug/L	83	27	SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21A9-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21CA-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Di-n-octyl phthalate	ND	40	27	ug/L	67		SW846 8270C
	ND	40	34	ug/L	84	22	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	40	27	ug/L	66		SW846 8270C
	ND	40	33	ug/L	80	19	SW846 8270C
Fluoranthene	ND	40	25	ug/L	62		SW846 8270C
	ND	40	30	ug/L	75	20	SW846 8270C
Fluorene	ND	40	23	ug/L	58		SW846 8270C
	ND	40	29	ug/L	72	22	SW846 8270C
Hexachlorobenzene	ND	40	27	ug/L	67		SW846 8270C
	ND	40	34	ug/L	84	22	SW846 8270C
Hexachlorobutadiene	ND	40	21	ug/L	53		SW846 8270C
	ND	40	26	ug/L	65	20	SW846 8270C
Hexachlorocyclopenta-diene	ND	40	24	ug/L	60		SW846 8270C
	ND	40	29	ug/L	73	21	SW846 8270C
Hexachloroethane	ND	40	20	ug/L	50		SW846 8270C
	ND	40	24	ug/L	61	20	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	40	26	ug/L	64		SW846 8270C
	ND	40	33	ug/L	82	24	SW846 8270C
Isophorone	ND	40	20	ug/L	51 a		SW846 8270C
	ND	40	27	ug/L	67	27	SW846 8270C
2-Methylnaphthalene	ND	40	22	ug/L	55		SW846 8270C
	ND	40	28	ug/L	70	24	SW846 8270C
2-Methylphenol	ND	40	14	ug/L	36		SW846 8270C
	ND	40	14	ug/L	35	0.86	SW846 8270C
4-Methylphenol	ND	80	29	ug/L	37		SW846 8270C
	ND	80	29	ug/L	37	0.29	SW846 8270C
Naphthalene	ND	40	21	ug/L	53		SW846 8270C
	ND	40	27	ug/L	68	25	SW846 8270C
2-Nitroaniline	ND	40	19	ug/L	48		SW846 8270C
	ND	40	25	ug/L	63	27	SW846 8270C
3-Nitroaniline	ND	40	20	ug/L	49		SW846 8270C
	ND	40	26	ug/L	64	26	SW846 8270C
4-Nitroaniline	ND	40	22	ug/L	56		SW846 8270C
	ND	40	25	ug/L	62	10	SW846 8270C
Nitrobenzene	ND	40	18	ug/L	45 a		SW846 8270C
	ND	40	24	ug/L	59	28	SW846 8270C
2-Nitrophenol	ND	40	28	ug/L	71		SW846 8270C
	ND	40	28	ug/L	70	1.0	SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21A9-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21CA-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4-Nitrophenol	**ND**	**40**	**14**	**ug/L**	**35**		**SW846 8270C**
	ND	**40**	**15**	**ug/L**	**38**	**8.6**	**SW846 8270C**
N-Nitrosodiphenylamine	ND	40	27	ug/L	66		SW846 8270C
	ND	40	33	ug/L	83	23	SW846 8270C
N-Nitrosodi-n-propyl-amine	**ND**	**40**	**17**	**ug/L**	**44**		**SW846 8270C**
	ND	**40**	**23**	**ug/L**	**58**	**28**	**SW846 8270C**
Pentachlorophenol	**ND**	**40**	**27**	**ug/L**	**66**		**SW846 8270C**
	ND	**40**	**26**	**ug/L**	**66**	**1.0**	**SW846 8270C**
Phenanthrene	ND	40	26	ug/L	64		SW846 8270C
	ND	40	32	ug/L	80	22	SW846 8270C
Phenol	**ND**	**40**	**11**	**ug/L**	**26**		**SW846 8270C**
	ND	**40**	**11**	**ug/L**	**27**	**2.8**	**SW846 8270C**
Pyrene	**ND**	**40**	**23**	**ug/L**	**57**		**SW846 8270C**
	ND	**40**	**28**	**ug/L**	**70**	**20**	**SW846 8270C**
Benzoic acid	ND	40	12	ug/L	31		SW846 8270C
	ND	40	12	ug/L	29	5.8	SW846 8270C
Pyridine	ND	40	16	ug/L	39 a		SW846 8270C
	ND	40	20	ug/L	49 a	24	SW846 8270C
1,4-Dioxane	ND	40	19	ug/L	47		SW846 8270C
	ND	40	22	ug/L	52	11	SW846 8270C
1,2,4-Trichloro-benzene	**ND**	**40**	**21**	**ug/L**	**52**		**SW846 8270C**
	ND	**40**	**25**	**ug/L**	**63**	**20**	**SW846 8270C**
2,4,5-Trichloro-phenol	ND	40	24	ug/L	59		SW846 8270C
	ND	40	23	ug/L	57	3.1	SW846 8270C
2,4,6-Trichloro-phenol	ND	40	24	ug/L	60		SW846 8270C
	ND	40	25	ug/L	62	3.1	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	48	(32 - 112)
	61	(32 - 112)
2-Fluorobiphenyl	50	(30 - 110)
	65	(30 - 110)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 4C30268 **Work Order #...:** GC7F21A9-MS **Matrix.....:** WG
MS Lot-Sample #: A4C300268-001 GC7F21CA-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	65	(10 - 144)
	80	(10 - 144)
Phenol-d5	28	(10 - 113)
	28	(10 - 113)
2-Fluorophenol	37	(13 - 110)
	37	(13 - 110)
2,4,6-Tribromophenol	69	(21 - 122)
	68	(21 - 122)

NOTE(S):

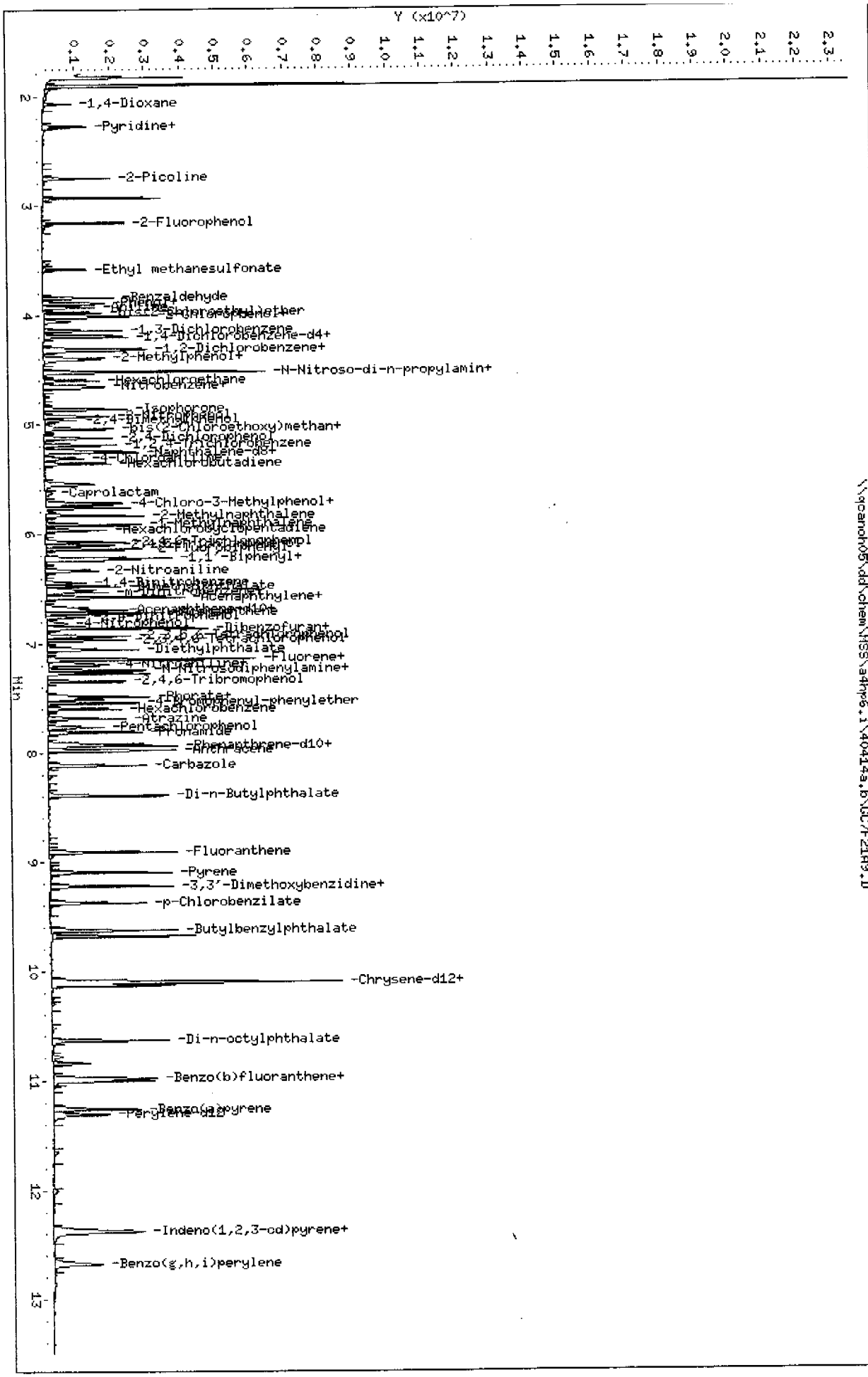
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\GC7F21A9.D
Date : 14-APR-2004 11:38
Client ID: MW44/032904
Sample Info: gc7f21a9,40414a,b,8270p,5-8270ap9,sub
Volume Injected (uL): 0.5
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\GC7F21A9.D
Lab Smp Id: GC7F21A9 Client Smp ID: MW44/032904
Inj Date : 14-APR-2004 11:38
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gc7f21a9,40414a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m
Meth Date : 15-Apr-2004 13:38 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 13 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	500.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.182	4.184	(1.000)	194202	2.00000	
* 2 Naphthalene-d8	136	5.237	5.238	(1.000)	748215	2.00000	
* 3 Acenaphthene-d10	164	6.695	6.696	(1.000)	436394	2.00000	
* 4 Phenanthrene-d10	188	7.916	7.920	(1.000)	745649	2.00000	
* 5 Chrysene-d12	240	10.102	10.109	(1.000)	730125	2.00000	
* 6 Perylene-d12	264	11.310	11.315	(1.000)	540988	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	3.583	3.585	(0.857)	438277	2.06246	16.500
9 Pyridine	79	2.282	2.273	(0.546)	420389	1.93879	15.510
10 N-Nitrosodimethylamine	74	2.269	2.268	(0.543)	393451	2.39007	19.120
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	3.838	3.839	(0.918)	392561	2.07975	16.638
14 2-Picoline	93	2.752	2.742	(0.658)	462852	1.88563	15.085
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	3.923	3.929	(0.938)	519961	1.67003	13.360

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
22 Phenol	94	3.894	3.901	(0.931)	339816	1.32434	10.595
23 bis(2-Chloroethyl)ether	93	3.971	3.976	(0.950)	450591	2.41289	19.303
24 2-Chlorophenol	128	4.015	4.017	(0.960)	363113	2.68518	21.481
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	4.136	4.138	(0.989)	326596	2.63270	21.062
27 1,4-Dichlorobenzene	146	4.195	4.197	(1.003)	327560	2.89987	23.199
28 1,2-Dichlorobenzene	146	4.321	4.323	(1.033)	313598	2.61660	20.933
29 Benzyl Alcohol	108	4.303	4.307	(1.029)	282991	2.37736	19.019
30 2-Methylphenol	108	4.391	4.392	(1.050)	301806	1.77812	14.225
31 bis(2-Chloroisopropyl)ether	45	4.406	4.410	(1.053)	331074	2.10810	16.865
32 N-Nitroso-di-n-propylamine	70	4.524	4.531	(1.082)	432988	2.18236	17.459
192 4-Methylphenol	108	4.522	4.523	(1.081)	611710	3.65709	29.257
193 3-Methylphenol	108	4.522	4.526	(1.081)	611710	3.63611	29.089
34 Hexachloroethane	117	4.596	4.598	(1.099)	150193	2.48544	19.884
35 Nitrobenzene	77	4.663	4.667	(0.891)	603636	2.24271	17.942
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	4.519	4.526	(1.081)	584840	2.51131	20.090
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	4.859	4.868	(0.928)	1106160	2.55344	20.428
42 2-Nitrophenol	139	4.925	4.930	(0.941)	247115	3.53000	28.240(Q)
43 2,4-Dimethylphenol	107	4.959	4.963	(0.947)	201272	1.06405	8.5124(R)
44 bis(2-Chloroethoxy)methane	93	5.039	5.043	(0.962)	535682	2.34852	18.788(R)
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	5.121	5.125	(0.978)	285072	2.69761	21.581
49 Benzoic Acid	122	5.046	5.128	(0.964)	113213	1.56026	12.482(MH)
50 1,2,4-Trichlorobenzene	180	5.188	5.192	(0.991)	279326	2.59656	20.772
51 Naphthalene	128	5.255	5.259	(1.003)	1000574	2.64419	21.154
52 4-Chloroaniline	127	5.306	5.310	(1.013)	294474	1.89767	15.181(R)
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	5.355	5.359	(1.023)	171991	2.66409	21.313
210 Caprolactam	113	5.625	5.644	(1.074)	60061	1.19858	9.5887(M)
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	5.712	5.724	(1.091)	396714	2.50556	20.044
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	5.759	5.761	(1.100)	257940	2.50166	20.013
62 2-Methylnaphthalene	142	5.831	5.832	(1.113)	655879	2.75551	22.044
63 1-Methylnaphthalene	142	5.913	5.914	(1.129)	628974	2.71584	21.727
64 Hexachlorocyclopentadiene	237	5.959	5.963	(0.890)	230145	2.97647	23.812
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	6.067	6.074	(0.906)	251947	3.00531	24.042
67 2,4,5-Trichlorophenol	196	6.098	6.105	(0.911)	258214	2.95033	23.603
211 1,1'-Biphenyl	154	6.216	6.223	(0.929)	825342	2.63160	21.053
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	6.445	6.445	(0.963)	123323	2.51017	20.081
70 2-Chloronaphthalene	162	6.234	6.239	(0.931)	648739	2.85838	22.867
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

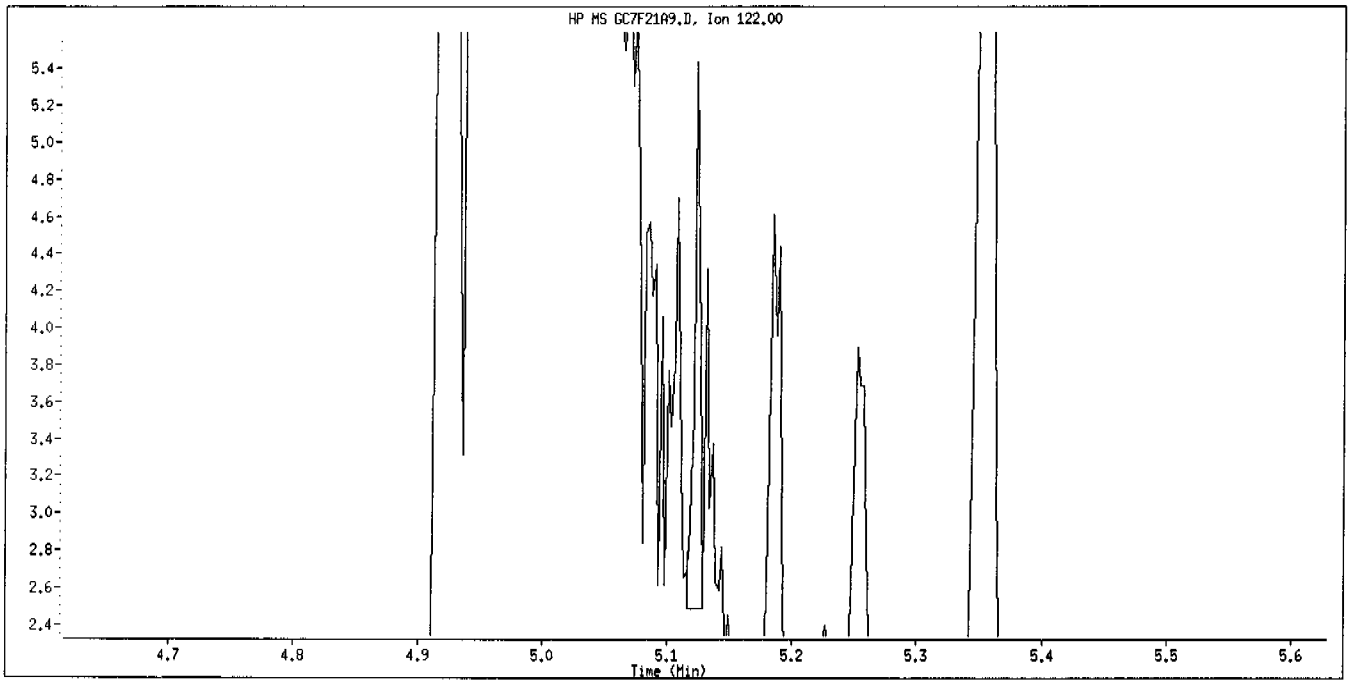
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
73 2-Nitroaniline	65	6.329	6.334	(0.945)	341262	2.39559	19.165(R)
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	6.479	6.483	(0.968)	738844	2.73733	21.899
77 m-Dinitrobenzene	168	6.509	6.509	(0.972)	140168	2.56031	20.482
78 2,6-Dinitrotoluene	165	6.530	6.537	(0.975)	184181	3.15997	25.280
79 Acenaphthylene	152	6.579	6.583	(0.983)	1115059	2.79739	22.379
80 1,2-Dinitrobenzene	168	6.579	6.586	(0.983)	90762	2.86237	22.899(Q)
81 3-Nitroaniline	138	6.671	6.678	(0.997)	162043	2.46165	19.693(R)
82 Acenaphthene	153	6.720	6.727	(1.004)	710171	2.73546	21.884
83 2,4-Dinitrophenol	184	6.754	6.766	(1.009)	149088	3.38991	27.119
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	6.818	6.822	(1.018)	108354	1.74769	13.982(Q)
86 Dibenzofuran	168	6.862	6.869	(1.025)	977746	2.77150	22.172(R)
87 2,4-Dinitrotoluene	165	6.862	6.871	(1.025)	245101	2.96680	23.734
88 2,3,4,6-Tetrachlorophenol	232	6.967	6.972	(1.041)	240541	3.54015	28.321
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	6.931	6.938	(1.035)	254489	3.35010	26.801
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	7.055	7.061	(1.054)	800716	2.77790	22.223
94 Fluorene	166	7.147	7.149	(1.068)	797428	2.88626	23.090
95 4-Chlorophenyl-phenylether	204	7.145	7.146	(1.067)	397792	2.85038	22.803
96 4-Nitroaniline	138	7.181	7.187	(1.073)	194191	2.79590	22.367(R)
98 4,6-Dinitro-2-methylphenol	198	7.196	7.203	(0.909)	215031	4.00666	32.053
99 N-Nitrosodiphenylamine	169	7.245	7.252	(0.915)	634127	3.32313	26.585
100 1,2-Diphenylhydrazine	77	7.276	7.277	(0.919)	1377433	2.72338	21.787
101 Diphenylamine	169	7.245	7.252	(0.915)	634127	3.32313	26.585
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	7.487	7.491	(0.946)	166965	2.63433	21.075(Q)
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	7.546	7.550	(0.953)	229559	3.26007	26.080
107 Hexachlorobenzene	284	7.600	7.604	(0.960)	225017	3.36047	26.884
212 Atrazine	200	7.690	7.694	(0.971)	240460	3.51325	28.106
108 Phenacetin	108	7.507	7.517	(0.948)	530485	2.62489	20.999
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	7.767	7.769	(0.981)	168718	3.31516	26.521
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	7.813	7.815	(0.987)	378272	2.83739	22.699
115 Phenanthrene	178	7.937	7.941	(1.003)	1229066	3.20583	25.647
116 Anthracene	178	7.978	7.982	(1.008)	1248376	3.40319	27.225
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	8.114	8.118	(1.025)	1082148	3.11374	24.910
120 Di-n-Butylphthalate	149	8.392	8.396	(1.060)	1471986	3.31245	26.500
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	8.911	8.915	(1.126)	1356063	3.07550	24.604
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.096	9.101	(0.900)	1312734	2.84854	22.788
126 Aramite 1	185	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	9.371	9.374	(0.928)	451851	2.91193	23.295
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.621	9.625	(0.952)	656788	3.38743	27.099
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	9.220	9.221	(0.913)	904106	3.32199	26.576
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	10.076	10.083	(0.997)	212690	1.42488	11.399
136 Benzo(a)Anthracene	228	10.094	10.101	(0.999)	1465722	3.44253	27.540
137 Chrysene	228	10.125	10.132	(1.002)	1251660	3.09634	24.771
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.097	10.101	(0.999)	961298	3.37512	27.001
140 Di-n-octylphthalate	149	10.634	10.636	(0.940)	1545986	3.34764	26.781
141 Benzo(b)fluoranthene	252	10.981	10.988	(0.971)	1461471	3.52921	28.234
142 Benzo(k)fluoranthene	252	11.002	11.011	(0.973)	1117038	2.72469	21.798
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.261	11.268	(0.996)	1216440	3.29603	26.368
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	12.372	12.384	(1.094)	1305576	3.20995	25.680
150 Dibenz(a,h)anthracene	278	12.383	12.400	(1.095)	1105582	3.23628	25.890
151 Benzo(g,h,i)perylene	276	12.678	12.701	(1.121)	1076984	3.15905	25.272
$ 154 Nitrobenzene-d5	82	4.645	4.649	(0.887)	596487	2.37679	19.014
$ 155 2-Fluorobiphenyl	172	6.134	6.138	(0.916)	729317	2.51033	20.083
$ 156 Terphenyl-d14	244	9.220	9.221	(0.913)	904106	3.25682	26.054
$ 157 Phenol-d5	99	3.884	3.888	(0.929)	475504	2.11015	16.881
$ 158 2-Fluorophenol	112	3.159	3.155	(0.755)	398151	2.79151	22.332
$ 159 2,4,6-Tribromophenol	330	7.348	7.352	(1.098)	173177	5.16007	41.280
$ 186 2-Chlorophenol-d4	132	4.000	4.004	(0.956)	509033	3.89380	31.150
$ 187 1,2-Dichlorobenzene-d4	152	4.311	4.312	(1.031)	180373	2.29329	18.346
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	2.068	2.068	(0.495)	195132	2.41739	19.339
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

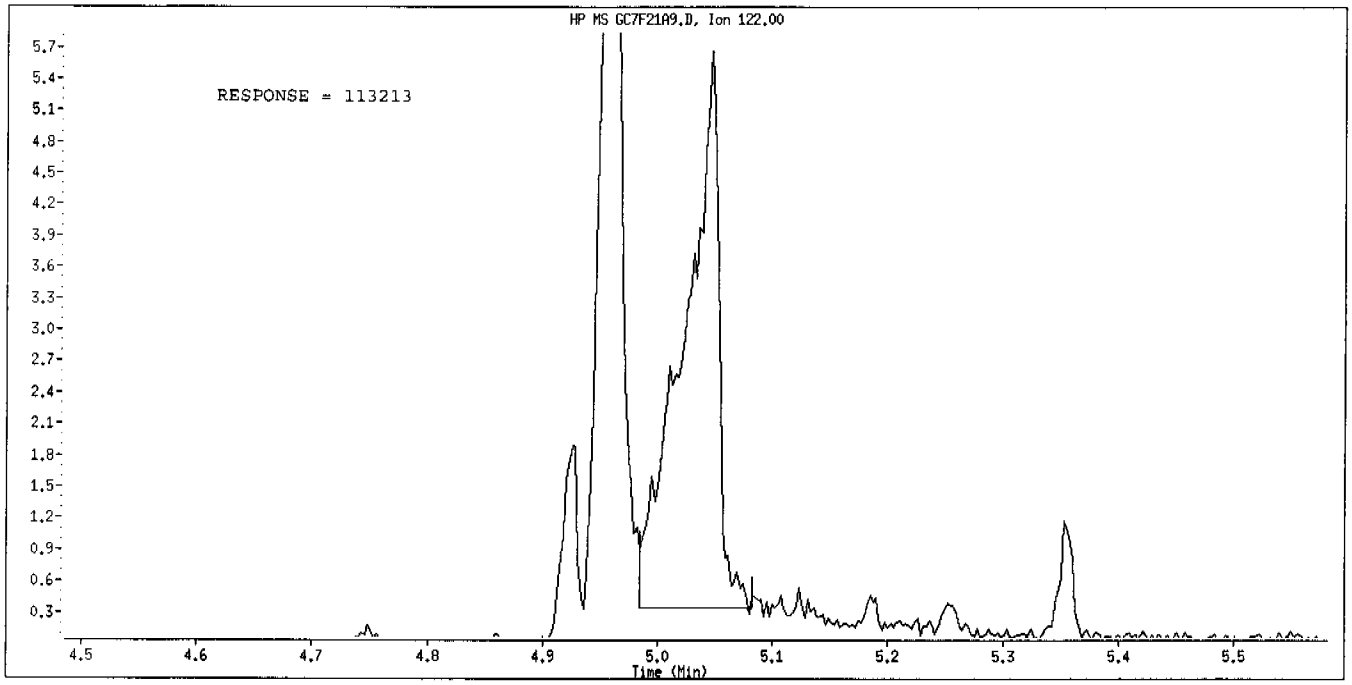
QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: GC7F21A9.D
Inj. Date and Time: 14-APR-2004 11:38
Instrument ID: a4hp6.i
Client ID: MW44/032904
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/15/2004



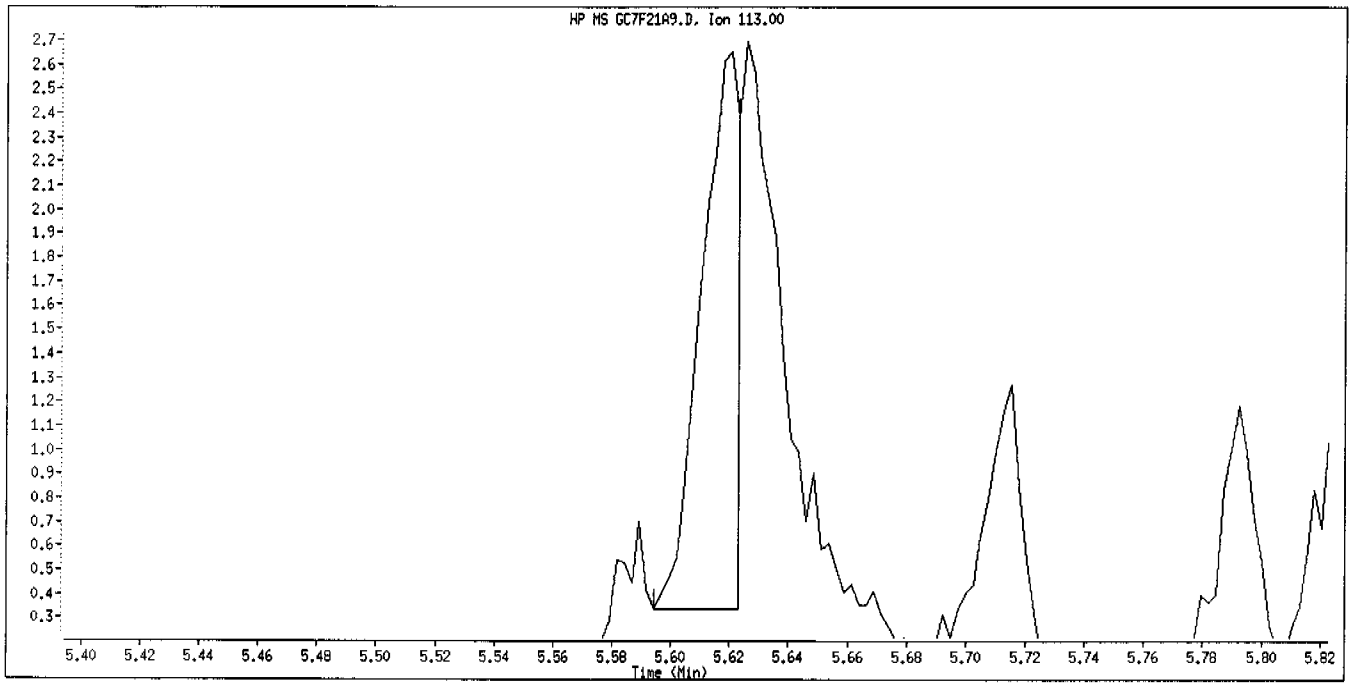
Original Integration



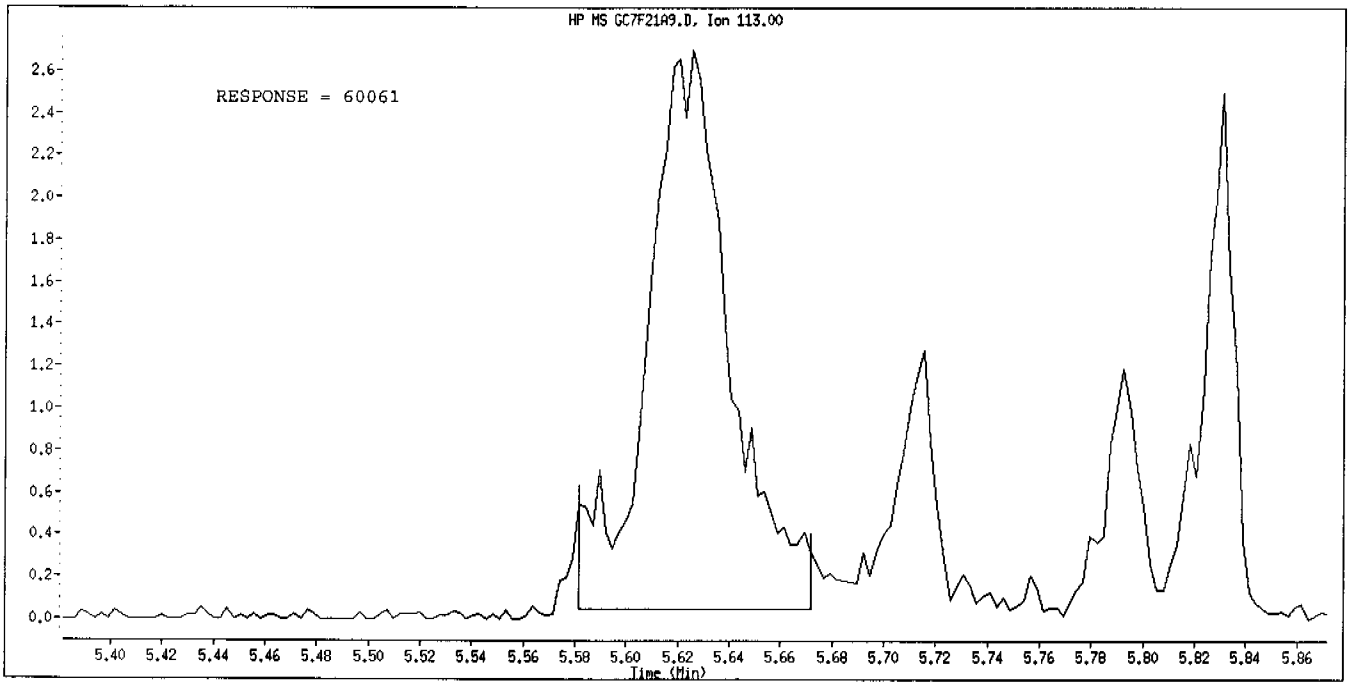
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: GC7F21A9.D
Inj. Date and Time: 14-APR-2004 11:38
Instrument ID: a4hp6.i
Client ID: MW44/032904
Compound Name: Caprolactam
CAS #: 105-60-2
Report Date: 04/15/2004



Original Integration

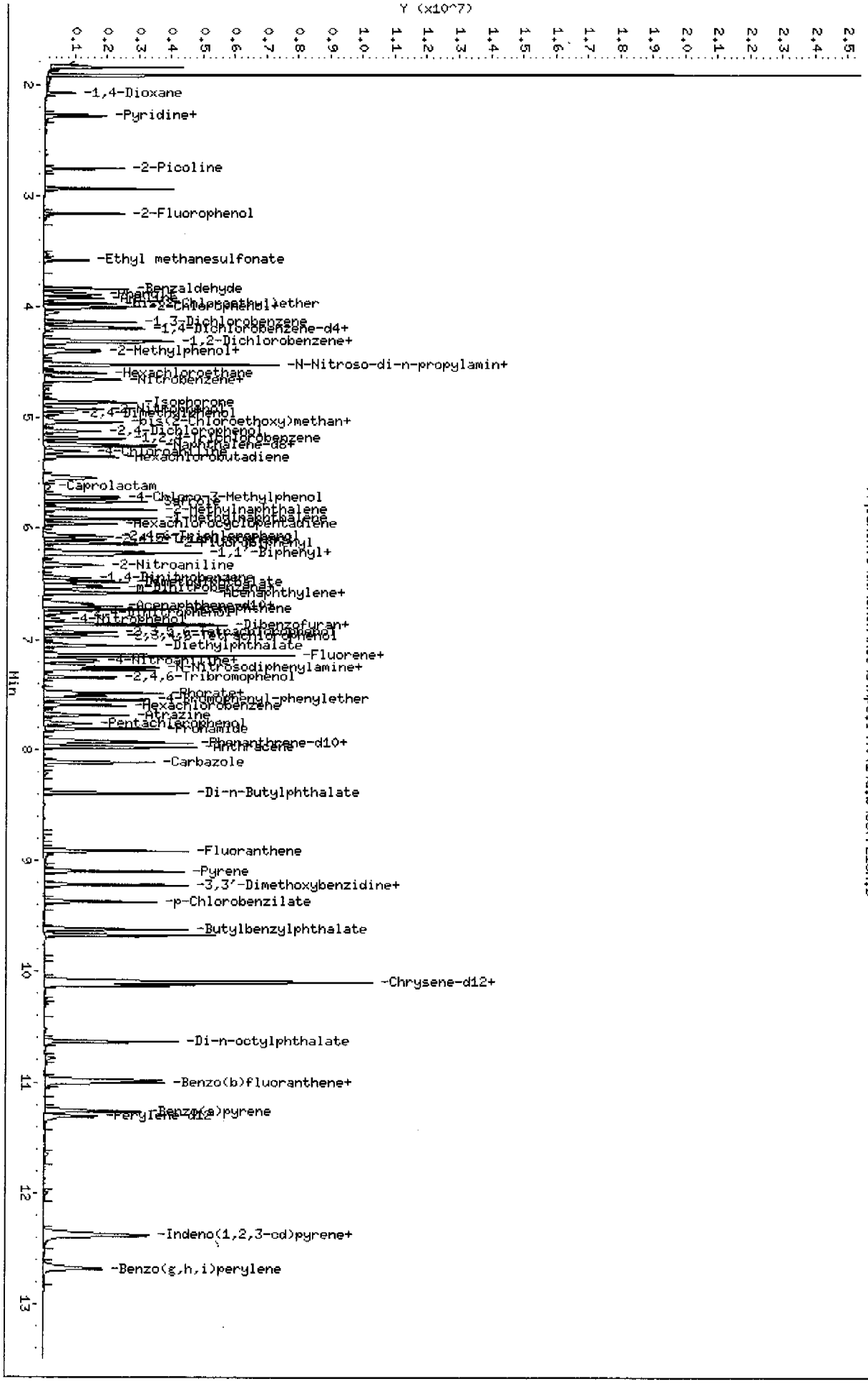


Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File: \\qcanch05\dd\chem\HSS\a4hp6.i\40414a.b\GC7F21CA.D
Date : 14-APR-2004 11:59
Client ID: HW44/032904
Sample Info: gc7f21ca,40414a,b,8270p,5-8270ap9,sub
Volume Injected (uL): 0.5
Column phase: db5.625

Instrument: a4hp6.i
Operator: 001710
Column diameter: 0.32



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STL - North Canton

Semivolatile REPORT SW-846 Method 8270

Data file : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\GC7F21CA.D
Lab Smp Id: GC7F21CA Client Smp ID: MW44/032904
Inj Date : 14-APR-2004 11:59
Operator : 001710 Inst ID: a4hp6.i
Smp Info : gc7f21ca,40414a.b,8270p,5-8270ap9.sub
Misc Info :
Comment :
Method : \\qcanoh05\dd\chem\MSS\a4hp6.i\40414a.b\8270p.m
Meth Date : 15-Apr-2004 13:38 gruberj Quant Type: ISTD
Cal Date : 12-APR-2004 14:51 Cal File: 6AL0412.D
Als bottle: 14 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5-8270ap9.sub
Target Version: 4.12
Processing Host: CANPMSSV05

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	2000.000	Volume of final extract (uL)
Vo	500.000	Volume of sample extracted (mL)
Vi	0.50000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.180	4.184	(1.000)	202052	2.00000	
* 2 Naphthalene-d8	136	5.237	5.238	(1.000)	777059	2.00000	
* 3 Acenaphthene-d10	164	6.695	6.696	(1.000)	452965	2.00000	
* 4 Phenanthrene-d10	188	7.919	7.920	(1.000)	776051	2.00000	
* 5 Chrysene-d12	240	10.102	10.109	(1.000)	758870	2.00000	
* 6 Perylene-d12	264	11.311	11.315	(1.000)	549235	2.00000	
7 N-Nitrosomorpholine	56	Compound Not Detected.					
8 Ethyl methanesulfonate	79	3.583	3.585	(0.857)	548206	2.47955	19.836
9 Pyridine	79	2.285	2.273	(0.547)	556877	2.46848	19.748
10 N-Nitrosodimethylamine	74	2.272	2.268	(0.544)	458501	2.67701	21.416
11 Ethyl methacrylate	69	Compound Not Detected.					
12 3-Chloropropionitrile	54	Compound Not Detected.					
13 Malononitrile	66	Compound Not Detected.					
209 Benzaldehyde	77	3.838	3.839	(0.918)	527458	2.82062	22.565
14 2-Picoline	93	2.755	2.742	(0.659)	597913	2.34123	18.730
15 N-Nitrosomethylethylamine	88	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
18 1,3-Dichloro-2-propanol	79	Compound Not Detected.					
19 N-Nitrosodiethylamine	102	Compound Not Detected.					
21 Aniline	93	3.923	3.929	(0.938)	686529	2.11935	16.955

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
22 Phenol	94	3.894	3.901	(0.932)	363684	1.36229	10.898
23 bis(2-Chloroethyl)ether	93	3.969	3.976	(0.950)	613995	3.16017	25.281
24 2-Chlorophenol	128	4.013	4.017	(0.960)	374521	2.66194	21.296
25 Pentachloroethane	167	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	4.136	4.138	(0.990)	436018	3.37820	27.026
27 1,4-Dichlorobenzene	146	4.195	4.197	(1.004)	441354	3.75547	30.044
28 1,2-Dichlorobenzene	146	4.321	4.323	(1.034)	423496	3.39628	27.170
29 Benzyl Alcohol	108	4.303	4.307	(1.030)	333948	2.69645	21.572
30 2-Methylphenol	108	4.391	4.392	(1.050)	311288	1.76273	14.102(Q)
31 bis(2-Chloroisopropyl)ether	45	4.406	4.410	(1.054)	453246	2.77390	22.191
32 N-Nitroso-di-n-propylamine	70	4.524	4.531	(1.082)	594414	2.87958	23.037
192 4-Methylphenol	108	4.522	4.523	(1.082)	638334	3.66800	29.344
193 3-Methylphenol	108	4.522	4.526	(1.082)	638334	3.64695	29.176
34 Hexachloroethane	117	4.594	4.598	(1.099)	191432	3.04480	24.358
35 Nitrobenzene	77	4.663	4.667	(0.891)	830409	2.97073	23.766
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	4.519	4.526	(1.081)	801679	3.30867	26.469
39 o-Toluidine	106	Compound Not Detected.					
40 N-Nitrosopiperidine	114	Compound Not Detected.					
41 Isophorone	82	4.859	4.868	(0.928)	1507969	3.35176	26.814
42 2-Nitrophenol	139	4.923	4.930	(0.940)	254053	3.49440	27.955(Q)
43 2,4-Dimethylphenol	107	4.959	4.963	(0.947)	209338	1.06561	8.5249(R)
44 bis(2-Chloroethoxy)methane	93	5.039	5.043	(0.962)	717433	3.02859	24.229
45 O,O,O-Triethyl phosphorothioa	198	Compound Not Detected.					
46 2,4-Toluenediamene	121	Compound Not Detected.					
47 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
48 2,4-Dichlorophenol	162	5.121	5.125	(0.978)	299680	2.73058	21.845
49 Benzoic Acid	122	5.046	5.128	(0.964)	109913	1.47200	11.776(QM)
50 1,2,4-Trichlorobenzene	180	5.188	5.192	(0.991)	354201	3.17037	25.363
51 Naphthalene	128	5.255	5.259	(1.003)	1334253	3.39511	27.161
52 4-Chloroaniline	127	5.306	5.310	(1.013)	412500	2.55959	20.477
53 a,a-Dimethyl-phenethylamine	58	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
55 Hexachloropropene	213	Compound Not Detected.					
56 Hexachlorobutadiene	225	5.355	5.359	(1.023)	218403	3.25742	26.059
210 Caprolactam	113	5.628	5.644	(1.075)	69321	1.33203	10.656(M)
57 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
58 N-Nitrosodi-n-butylamine	84	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	5.712	5.724	(1.091)	413543	2.51490	20.119
60 p-Phenylene diamine	108	Compound Not Detected.					
61 Safrole	162	5.759	5.761	(1.100)	359176	3.35421	26.834
62 2-Methylnaphthalene	142	5.831	5.832	(1.113)	862536	3.48921	27.914
63 1-Methylnaphthalene	142	5.913	5.914	(1.129)	817228	3.39772	27.182
64 Hexachlorocyclopentadiene	237	5.959	5.963	(0.890)	294403	3.66823	29.346
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	6.070	6.074	(0.907)	269653	3.09884	24.791
67 2,4,5-Trichlorophenol	196	6.098	6.105	(0.911)	259791	2.85975	22.878
211 1,1'-Biphenyl	154	6.219	6.223	(0.929)	1132002	3.47734	27.819
68 1,2,3,5-Tetrachlorobenzene	216	Compound Not Detected.					
69 1,4-Dinitrobenzene	168	6.445	6.445	(0.963)	174754	3.42689	27.415
70 2-Chloronaphthalene	162	6.234	6.239	(0.931)	844274	3.58383	28.671
71 Isosafrole 1	162	Compound Not Detected.					
M 188 Isosafrole, Total	162	Compound Not Detected.					
72 Isosafrole 2	162	Compound Not Detected.					

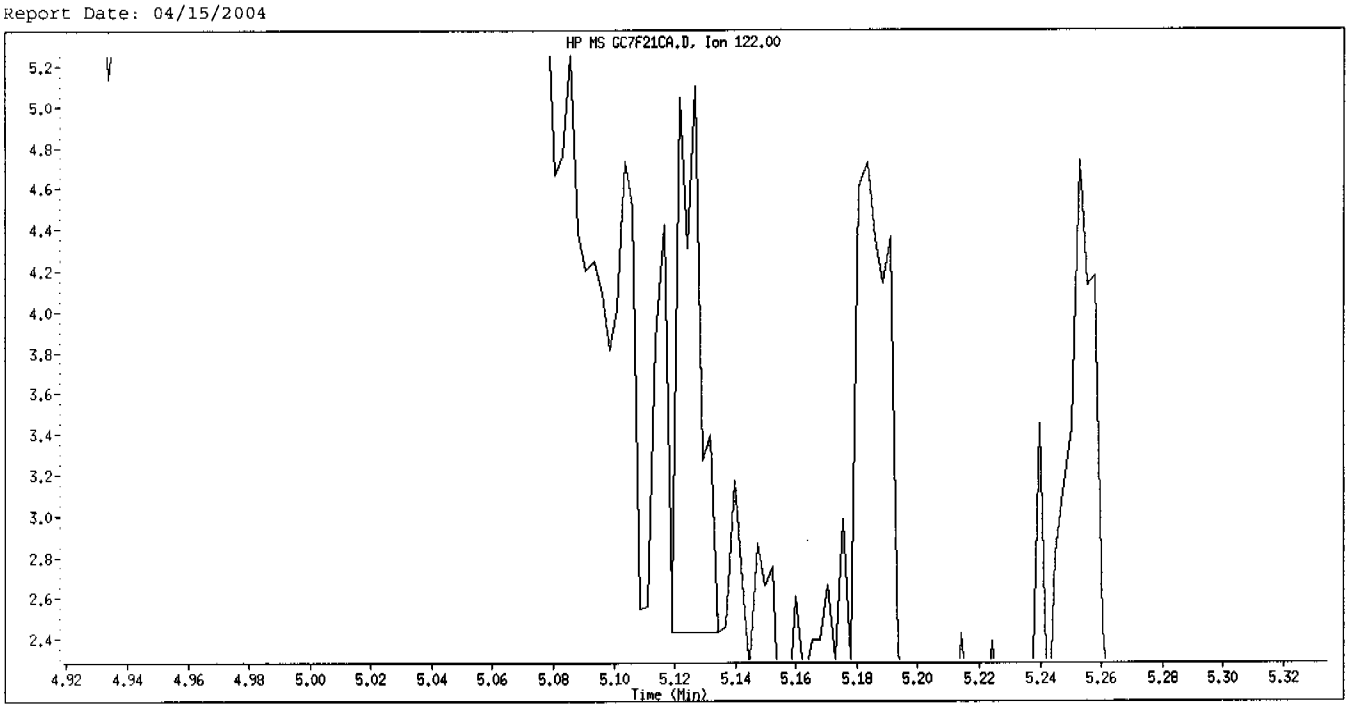
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
73 2-Nitroaniline	65	6.330	6.334	(0.945)	464297	3.14003	25.120
74 1,2,3,4-Tetrachlorobenzene	216	Compound Not Detected.					
75 1,4-Naphthoquinone	158	Compound Not Detected.					
76 Dimethylphthalate	163	6.479	6.483	(0.968)	984641	3.51453	28.116
77 m-Dinitrobenzene	168	6.510	6.509	(0.972)	193659	3.40797	27.264(Q)
78 2,6-Dinitrotoluene	165	6.530	6.537	(0.975)	250465	4.13999	33.120
79 Acenaphthylene	152	6.579	6.583	(0.983)	1441731	3.48461	27.877
80 1,2-Dinitrobenzene	168	6.579	6.586	(0.983)	126252	3.83596	30.688(Q)
81 3-Nitroaniline	138	6.672	6.678	(0.997)	219495	3.21244	25.700
82 Acenaphthene	153	6.720	6.727	(1.004)	924406	3.43039	27.443
83 2,4-Dinitrophenol	184	6.756	6.766	(1.009)	153954	3.37569	27.005
84 Pentachlorobenzene	250	Compound Not Detected.					
85 4-Nitrophenol	109	6.818	6.822	(1.018)	123835	1.90409	15.233
86 Dibenzofuran	168	6.862	6.869	(1.025)	1273993	3.47913	27.833(R)
87 2,4-Dinitrotoluene	165	6.862	6.871	(1.025)	333421	3.88822	31.106
88 2,3,4,6-Tetrachlorophenol	232	6.970	6.972	(1.041)	253732	3.59768	28.781
89 1-Naphthylamine	143	Compound Not Detected.					
90 Zinophos	97	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	6.934	6.938	(1.036)	265301	3.36466	26.917
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	7.055	7.061	(1.054)	1085638	3.62859	29.029
94 Fluorene	166	7.145	7.149	(1.067)	1029730	3.59072	28.726
95 4-Chlorophenyl-phenylether	204	7.145	7.146	(1.067)	507050	3.50036	28.003
96 4-Nitroaniline	138	7.181	7.187	(1.073)	223205	3.09607	24.768(QR)
98 4,6-Dinitro-2-methylphenol	198	7.196	7.203	(0.909)	221053	3.95751	31.660
99 N-Nitrosodiphenylamine	169	7.248	7.252	(0.915)	827771	4.16798	33.344
100 1,2-Diphenylhydrazine	77	7.273	7.277	(0.918)	1955187	3.71424	29.714
101 Diphenylamine	169	7.248	7.252	(0.915)	827771	4.16798	33.344
102 Tetraethyl dithiopyrophosphat	202	Compound Not Detected.					
103 Diallate 1	86	Compound Not Detected.					
M 189 Diallate, Total	100	Compound Not Detected.					
104 Phorate	121	7.487	7.491	(0.945)	217191	3.29254	26.340(Q)
105 1,3,5-Trinitrobenzene	213	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	7.548	7.550	(0.953)	301128	4.10893	32.871
107 Hexachlorobenzene	284	7.600	7.604	(0.960)	291893	4.18845	33.508
212 Atrazine	200	7.690	7.694	(0.971)	321247	4.50972	36.078
108 Phenacetin	108	7.510	7.517	(0.948)	663778	3.15577	25.246
109 Diallate 2	86	Compound Not Detected.					
110 Dimethoate	87	Compound Not Detected.					
111 Pentachlorophenol	266	7.764	7.769	(0.981)	173832	3.28183	26.255
112 Pentachloronitrobenzene	237	Compound Not Detected.					
113 4-Aminobiphenyl	169	Compound Not Detected.					
114 Pronamide	173	7.813	7.815	(0.987)	506297	3.64893	29.191
115 Phenanthrene	178	7.937	7.941	(1.002)	1594698	3.99657	31.972
116 Anthracene	178	7.978	7.982	(1.007)	1613948	4.22741	33.819
117 Dinoseb	211	Compound Not Detected.					
118 Disulfoton	88	Compound Not Detected.					
119 Carbazole	167	8.117	8.118	(1.025)	1424412	3.93800	31.504
120 Di-n-Butylphthalate	149	8.392	8.396	(1.060)	1870545	4.04444	32.355
121 4-Nitroquinoline 1-oxide	190	Compound Not Detected.					
122 Methapyrilene	58	Compound Not Detected.					
123 Fluoranthene	202	8.911	8.915	(1.125)	1729440	3.76864	30.149
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.097	9.101	(0.900)	1666997	3.48025	27.842
126 Aramite 1	185	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
M 191 Aramite, Total	100	Compound Not Detected.					
127 Aramite 2	185	Compound Not Detected.					
128 p-Dimethylamino azobenzene	225	Compound Not Detected.					
129 p-Chlorobenzilate	139	9.369	9.374	(0.927)	588617	3.64963	29.197
130 Famphur 1	218	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.621	9.625	(0.952)	826220	4.09987	32.799
132 3,3'-Dimethylbenzidine	212	Compound Not Detected.					
133 3,3'-Dimethoxybenzidine	244	9.220	9.221	(0.913)	1159775	4.09999	32.800
134 2-Acetylaminofluorene	181	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	10.076	10.083	(0.997)	312267	2.01273	16.102
136 Benzo(a)Anthracene	228	10.094	10.101	(0.999)	1848648	4.17744	33.419
137 Chrysene	228	10.125	10.132	(1.002)	1564048	3.72257	29.780
138 4,4'-Methylene bis(o-chloroan	231	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.097	10.101	(0.999)	1212221	4.09489	32.759
140 Di-n-octylphthalate	149	10.634	10.636	(0.940)	1967306	4.19599	33.568
141 Benzo(b)fluoranthene	252	10.981	10.988	(0.971)	1858207	4.41989	35.359
142 Benzo(k)fluoranthene	252	11.002	11.011	(0.973)	1346962	3.23619	25.890
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
144 Hexachlorophene	198	Compound Not Detected.					
145 Hexachlorophene product	462	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.262	11.268	(0.996)	1558633	4.15981	33.278
148 3-Methylcholanthrene	268	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	12.375	12.384	(1.094)	1683388	4.07670	32.614
150 Dibenz(a,h)anthracene	278	12.385	12.400	(1.095)	1398149	4.03123	32.250
151 Benzo(g,h,i)perylene	276	12.684	12.701	(1.121)	1381904	3.99259	31.941
$ 154 Nitrobenzene-d5	82	4.645	4.649	(0.887)	796418	3.05565	24.445
$ 155 2-Fluorobiphenyl	172	6.134	6.138	(0.916)	985460	3.26789	26.143
$ 156 Terphenyl-d14	244	9.220	9.221	(0.913)	1159775	4.01956	32.156
$ 157 Phenol-d5	99	3.884	3.888	(0.929)	488366	2.08302	16.664
$ 158 2-Fluorophenol	112	3.159	3.155	(0.756)	415370	2.79910	22.393
$ 159 2,4,6-Tribromophenol	330	7.348	7.352	(1.098)	178541	5.12528	41.002
$ 186 2-Chlorophenol-d4	132	4.000	4.004	(0.957)	521577	3.83474	30.678
$ 187 1,2-Dichlorobenzene-d4	152	4.308	4.312	(1.031)	262834	3.21188	25.695
97 5-Nitro-o-toluidine	152	Compound Not Detected.					
198 1,4-Dioxane	88	2.076	2.068	(0.497)	225702	2.68747	21.500
199 3-Picoline	93	Compound Not Detected.					
200 N,N-Dimethylacetamide	44	Compound Not Detected.					
221 Hexabromobenzene	232	Compound Not Detected.					
222 Dibenz(a,h)acridine	279	Compound Not Detected.					
208 Dibenz(a,j)acridine	279	Compound Not Detected.					
225 Methyl parathion	109	Compound Not Detected.					
226 Parathion	97	Compound Not Detected.					
227 Isodrin	66	Compound Not Detected.					
228 Kepone	272	Compound Not Detected.					

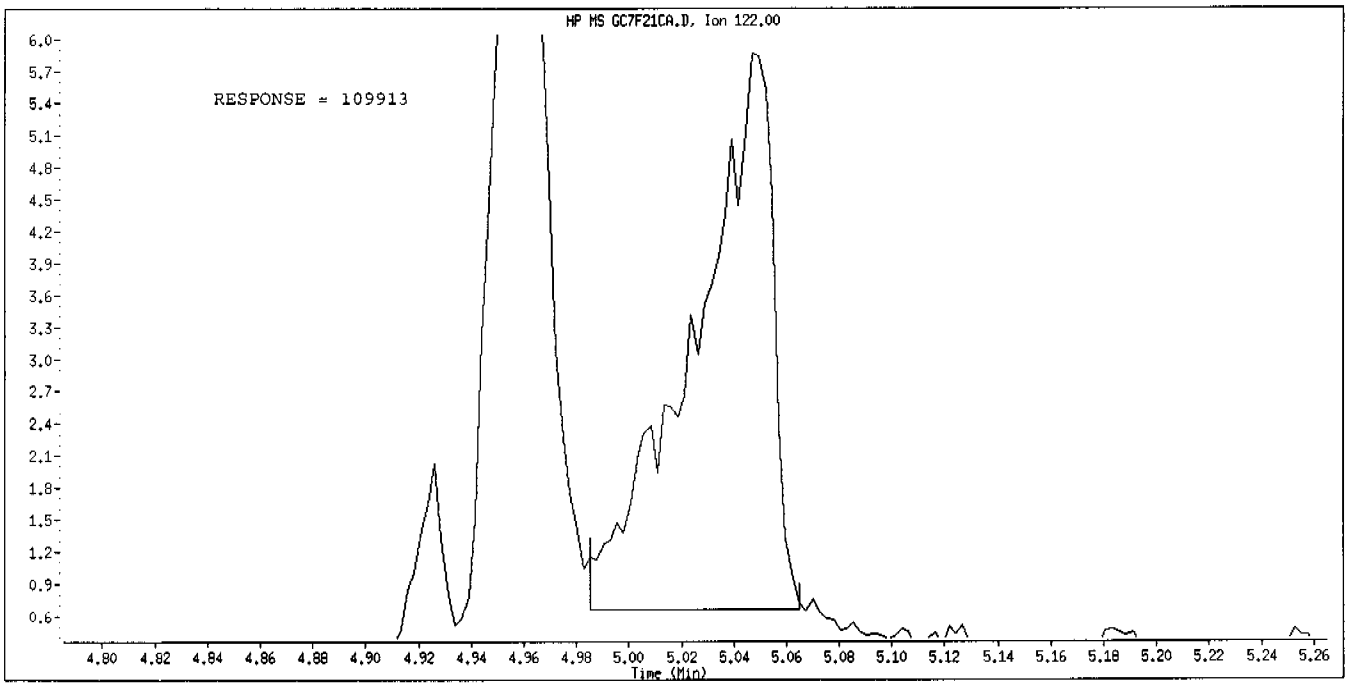
QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File Name: GC7F21CA.D
Inj. Date and Time: 14-APR-2004 11:59
Instrument ID: a4hp6.i
Client ID: MW44/032904
Compound Name: Benzoic Acid
CAS #: 65-85-0
Report Date: 04/15/2004



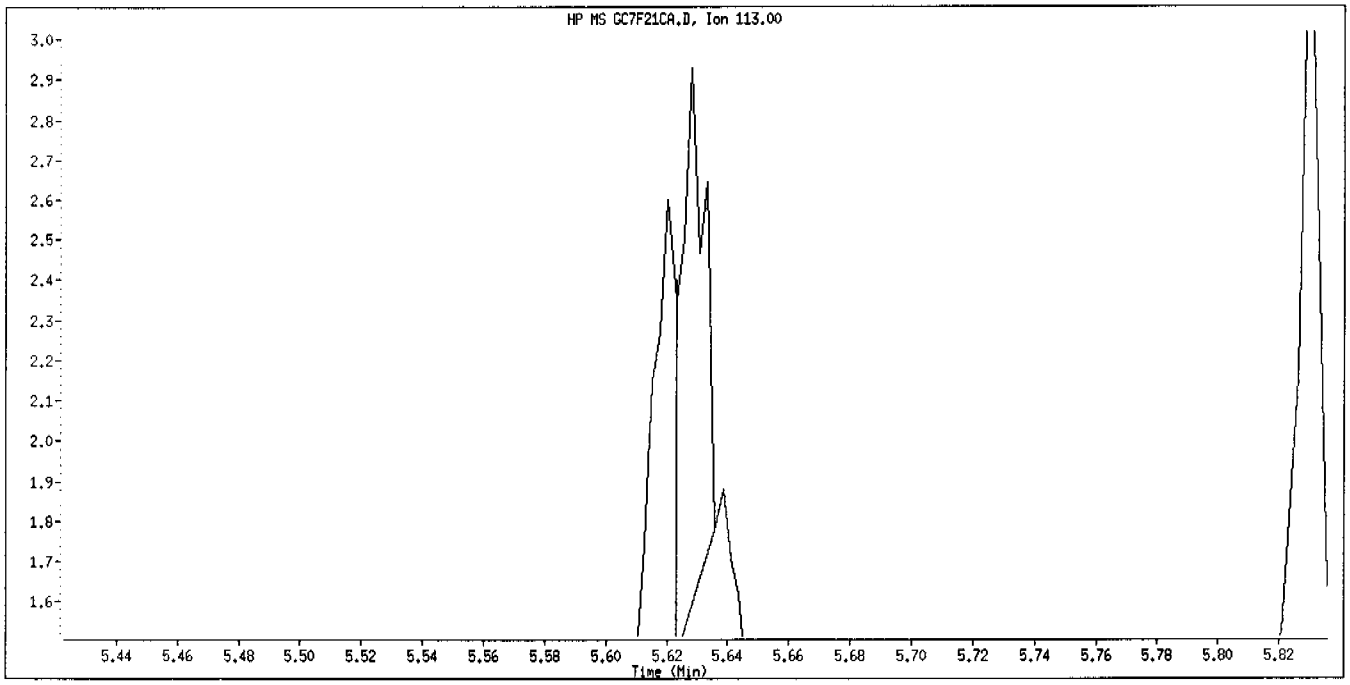
Original Integration



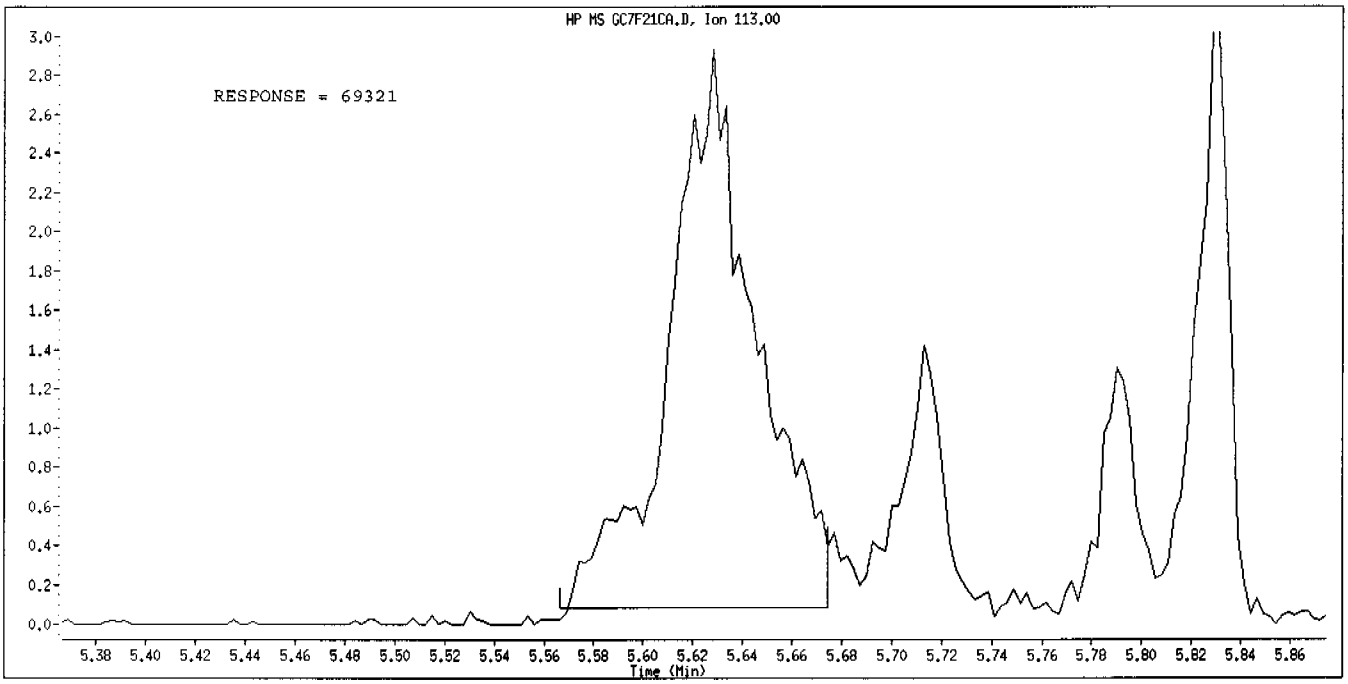
Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

Data File Name: GC7F21CA.D
Inj. Date and Time: 14-APR-2004 11:59
Instrument ID: a4hp6.i
Client ID: MW44/032904
Compound Name: Caprolactam
CAS #: 105-60-2
Report Date: 04/15/2004



Original Integration



Manual Integration

Manually Integrated By: gruberj
Manual Integration Reason: Analyte Misidentified by the Data System

SEVERN TRENT STL

MISCELLANEOUS DATA

INSTRUMENT: A4HP6 DATE: 4-6-04

I.S.#: SV2891 $MeCl_2$ Lot#: A09E08 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
6DF0406	SV2937			OK	14:25	
6MM0406	SV2957			OK	Level II Review By: OKW 4/6/04	
6SM0406	SV2956			OK		
6SML0406	SV2955			OK		
6SL0406	SV2954			OK		
6SLL0406	SV2953			OK		
6HHH0406	SV2961			OK		
6SHH0406	SV2960			OK		
6SH0406	SV2959			OK		
6SMH0406	SV2958			OK		
ICVTCL	SV2962			OK		
6AHHH406	SV2932			OK		
6AHH0406	SV2931			OK		
6AH0406	SV2930			OK		
6AMH0406	SV2929			OK		
6AMM0406	SV2928			OK		
6AM0406	SV2927			OK		
6AML0406	SV2926			OK		
6AL0406	SV2925			OK		
ICVAP9	SV2933			OK		
						4-6-04

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STL NORTH CANTON MS SEMI VOLATILE RUN LOG

INSTRUMENT: A4HP6 DATE: 4-7-04

I.S.#: SV2891 $MeCl_2$ Lot#: A09E08 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP		D.F.	QUAL	COMMENTS	ANALYST
6DF0407	SV2937				OK	(8:32)	JG
6SMH0407	SV2958				OK	Level II Review By: OK MU 4/08/04	
6AMH0407	SV2929				OK		
GCW7P1AA	B	3-26	1L-2-1	5t	OK		
GCW7P1AC	C				rerun		
GCW7P1AD	L				OK		
GDC3H1AA	B	4-1	30g-2-1		OK		
GDC3H1AC	C				rerun		
GDC3H1AD	L				rerun		
GCBAW1AA	B	3-31	1L-2-1		OK		
CC8AW1AC	C				OK		
GDHX41AA	B	4-5	30g-2-1		OK		
GDHX41AC	C				rerun		
GDG4J1AG					OK		
GDG4J1A3	MS				OK		
GDG4J1A4	MSD				OK		
GDG4N1AG					rerun	5:100	
GC7GM1AG		3-31	1L-2-1		OK		
GC7GN1AG					OK		
GC7GV1AG					OK		
GC7GL1AG					OK		
GC7GP1AG					OK		
GDA3F1AD		4-1	30g-2-1	5:100 → 10:100	OK		
GDC7P1AD				5t	OK		
GDCC31AC					OK rext		
GDCAR1AD					OK rext		
GDCA71AG					OK rext		
GDC7X1AG				5:100 → 20:100	OK		
GDC721AR				4:100	rerun	8:100	
GDG4K1AG		4-5		5t	OK		
GDG4L1AG					OK		
							JG 4-7-04

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INSTRUMENT: A4HP6 DATE: 4-12-04

I.S.#: SV2891 $MeCl_2$ Lot#: A09E08 GC Program #: 2

FILE NAME	LOT #/ FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
6DF0412	SV2937			OK	(8:48)	JB
6SMM0412	SV2957			OK	Level II Review By: OKmw 4/13/04	
6SML0412	SV2955			OK		
6SL0412	SV2954			OK		
6SLL0412	SV2953			OK		
6HHH0412	SV2961			OK		
6SHH0412	SV2960			OK		
6SH0412	SV2959			OK		
6SMH0412	SV2958			OK		
6SM0412	SV2956			OK		
ICVTCL	SV2962			OK		
6AHHH412	SV2932			OK		
6AHH0412	SV2931			OK		
6AH0412	SV2930			OK		
6AMH0412	SV2929			OK		
6AMM0412	SV2928			OK		
6AM0412	SV2927			OK		
6AML0412	SV2926			OK		
6AL0412	SV2925			OK		
ICVAP9	SV2933			OK		
GDQR61AA	B	4-8 1L-2-1	ST	OK		
GCW7P1AC	C	3-26 ⊥		OK		
GDC3H1AC	C	4-1 30g-2-1		OK		
GDC3H1AD	L	⊥		OK		
GDHX41AC	C	4-5 ⊥		OK		
GDPXX1AC	C GDPXP	4-7 1L-2-1		OK		
GDPXX1AD	L GDPXP	⊥		OK		
GDQR61AC	C	4-8		OK		
GDQR61AD	L	⊥		OK		
GDK2N1AA	B	4-6		OK	+TICS	
GDK2N1AC	C	⊥		OK		
						JB 4-12-04

JB 4-12-04

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STL NORTH CANTON MS SEMI VOLATILE RUN LOG

INSTRUMENT: A4HP6 DATE: 4-13-04

I.S.#: SV2891 $MeCl_2$ Lot#: A09E0B GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
6DF0413	SV2937			OK	(8'07)	JD
6SMH0413	SV2958			OK	Level II Review By: OK mu 4/14/04	
6AMH0413	SV2929			OK		
GDR2P1AA	B	4-8 30g-2-1	St	OK		
GDR2P1AC	C			OK		
GDR2P1AD	L			OK		
GDPWF1AC		4-8 1L-2-1		OK		
GDPXH1AN				OK		
GDPXK1AN				OK		
GDPXE1AN				OK		
GDPX11AN				OK		
GDPXQ1AN				OK		
GDFNA1AE		4-6		OK		
GDFNA1AF	MS	500-2-1		OK		
GDFNA1AG	MSD			OK		
GDFPG1AC		1L-2-1		OK		
GDFPQ1AC				OK		
GDG8P1A4				OK		
GDG9E1AA				OK		
GDNW11AC		4-8		OK		
GDNW81AJ				OK		
GC4HD2C2		4-6		OK		
GC6EP2A6				OK		
GDPQ21AC		4-8		OK		
GDPVK1AN				OK		
GDPVX1AN				OK		
GDDMJ1AC		4-6		OK		
GDDMN1AC				re-run	ISL	
GDCAR2AD		4-8 30g-2-1		OK		
GDCA72AG				OK		
GDCC32AC				OK		
GDRDX1AM				OK		
GDRD21AM				OK		

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STL NORTH CANTON MS SEMIVOLATILE RUN LOG

INSTRUMENT: A4HP6 DATE: 4-14-04

I.S.#: SV2891 $MeCl_2$ Lot#: A09E08 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP		D.F.	QUAL	COMMENTS	ANALYST
					ok	(7:34)	JS.
6DF041Y	SV2937				OK	Level II Review By: ok-mu 4/06/04	
6SMH041Y	SV2958				OK		
6AMH041Y	SV2929				OK		
GD2CV1AA	B	4-13	1L-2-1	5t	OK		
GD2CV1AC	C	↓	↓		OK		
GDVEN1AA	B	4-5	30g-2-1		OK		
GDVEN1AC	C	↓	↓		OK		
GC9CT2AJ		4-13	1L-2-1		OK		
GC89P2A7					OK		
GC9CA2AJ					OK		
GC9CM2AJ					OK		
GC7FZ2AE					~~OK~~	rerun	
GC7F21A9	MS		500-2-1		OK		
GC7F21CA	MSD		↓		OK		
GDCCP2AE			1L-2-1		OK		
GC9P02AL					OK		
GC9NL2AD					OK		
GC9XC2AC					OK		
GC9FP2AC					OK		
GC9XG2AC					OK		
GC9P62AL					OK		
GC9W72AA					OK		
GDG4F1AG		4-5	30g-2-1		OK		
GDDMN1AC		4-6	1L-2-1		OK		
GDG4D1AG		4-5	30g-2-1		OK		
GDE101AC					OK		
GDE101AE	MS				OK		
GDE101AF	MSD				OK		
GDG391AG					OK		
GDG311AD				15:100	OK		
GDE291AD				20:100	OK		
GDE2G1AG				2:100	rerun	5:100	
GDE2W1AD				20:100	rerun	40:100	

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STL NORTH CANTON MS SEMIVOLATILE RUN LOG

INSTRUMENT: A4HP6 DATE: 4-14-04

I.S.#: SV2891 $MeCl_2$ Lot#: A09E08 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
GDF0414	SV2937			ok	(7:34)	JB.
SEE PAGE	31 FOR	STANDARDS		—	Level II Review By:	
GDE26IAD		4-5 30g-2-1	25:100	ok		
GDRDMIAE		4-8	5+	ok		
GDRD1IAM				ok		
GDRDVIAM				rerun	out of time	

4-14-04

INSTRUMENT: A4HP6 DATE: 4-15-04

I.S.#: SV2891 $MeCl_2$ Lot#: A09E08 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
GDF0415	SV2937			OK	(8:38)	JS.
GSMH0415	SV2958			OK	Level II Review By: OK MU 4/16/04	
GATMH0415	SV2929			OK		
GDWEQ1AA	B	4-10 1L-2-1	ST	OK		
GDWEQ1AC	C	↓ ↓		OK		
GD3921AA	B	4-14 250-2-1		OK		
GD3921AC	C			OK		
GD3921AD	L	↓ ↓		OK		
GD4X31AA	B	4-14 1L-2-1		OK		
GD4X31AC	C			OK		
GD4X31AD	L			OK		
GD4L61AC		↓		OK		
GDV231AC		4-10		OK		
GD4NR1AC		4-14		OK		
GDPV41AN		4-10		OK		
GDQ9E1AC				OK		
GDQ9J1A4		↓		OK		
GDQ9J1D1	MS	500-2-1		OK		
GDQ9J1D2	MSD	↓		OK		
GDRH81AC		1L-2-1		OK		
GDRJL1AN				OK		
GDRJM1AN				OK		
GDRJ61AN				OK		
GDRJV1AN				OK		
GDRJ31AN				OK		
GDRJ91AN				OK		
GDLXH2AE		↓		OK		
GD2R71AC		4-14 ↓		OK		
GDRD01AM		4-8 30-2-1		OK		
GDV051AQ		4-14 250-2-1		OK ~~[illegible]~~	4-16-04	
GDV1A1AQ				OK		
GDV1E1AQ		↓ ↓	40:100	OK		
~~GD2011AC~~	GC7F22AE	~~4-14~~ 4-13 1L-2-1	ST	OK		

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4-15-04

INSTRUMENT: A4HP6 DATE: 4-15-04

I.S.#: SV2891 $MeCl_2$ Lot#: A09E08 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
6DF0415	SV2937			ok	(8:38)	JB.
SEE PAGE	33 FOR	standards		—	Level II Review By:	
GDE2G1AG		4-5 30g-2-1	5:100	OK		
GDRDV1AM		4-8 ↓	5+	rerun		
GD2041AC		4-14 1L-2-1	↓	rerun		
GD2051AC		↓ ↓	↓	rerun		↓
GDE2WIAD		4-5 30g-2-1	40:100	OK		
						4-15-04

N:\QAQC\LAB_FORM\MS SEMI RUN LOG Revision 1.0 (12/29/03 mkc).doc

STL NORTH CANTON MS SEMIVOLATILE RUN LOG

INSTRUMENT: A4HP10 DATE: 4/7/04

I.S.#: SV2891 $MeCl_2$ Lot#: A09E08 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
1DF0407	SV2937			ok	(9:18)	TCL
1SMH0407	SV2958				Level II Review By: OK mw 4/08/04	
1AMH0407	SV2929					
1SLL0407	SV2953					
1SL0407	SV2954					
1SML0407	SV2955					
1SM0407	SV2956					
1SMM0407	SV2957					
1SH0407	SV2959					
1SHH0407	SV2960					
1SHH0407	SV2961					
ICVTCL	SV2962					
1AL0407	SV2925					
1AML0407	SV2926					
1AM0407	SV2927					
1AMM0407	SV2928					
1AH0407	SV2930					
1AHH0407	SV2931					
1AHHH0407	SV2932					
ICVAP9	SV2933					
1DF0407A	SV2937			↓	(17:18)	
1SMH0407A	SV2958			ok		
1AMH0407A	SV2929			ok		
GDHOQ1AA	B	4/5	1000 ml / 2 ml	ok		
GDHOQ1AC	C	4/5		ok		
GDACS1AC	C	4/1		ok		
GDEDW1AD	A4D020108	4/5		ok		
GDEID1AC	A4D020176	4/5		ok		
GCIF11A6	A4C260197	3/29		ok		
GCIGN1AC				rerun	ISL	
GCIHS1AC				ok		
GCIJ21AT				ok		

STL NORTH CANTON MS SEMIVOLATILE RUN LOG

INSTRUMENT: A4HP10 DATE: 4/8/04

I.S.#: Sx2991 $MeCl_2$ Lot#: A09508 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
1DF0408	Sx2937			ok	(7:58)	ZK
1SMH0408	Sx2958			ok	Level II Review By	
1AMH0408	Sx2929			ok		
1TL0408	Sx2965					
1TML0408	Sx2966					
1TM0408	Sx2967					
1TMM0408	Sx2968					
1TMH0408	Sx2969					
1TH0408	Sx2970					
1THH0408	Sx2971					
1THHH0408	Sx2972					
ICVFISK	Sx2973					
GDAC61AA	B	4/1 1000 ml / 2 ml	st.	OK		
GDAC61AC	C			REEXT	Several acids = ⊗	
GC9NL1AD	A4C310258			REEXT	Bad ✓	
GC9P01AL				REEXT		
GC9P61AL				REEXT		
GC9W71AA	A4C310291			REEXT		
GC9XC1AC				REEXT		
GC9XE1AC				REEXT		
GC9XG1AC				REEXT		
GC7F21AE	A4C300268			REEXT		
GC7F21AF	S			REEXT		
GC7F21AG	D			REEXT		
GC7GH1AG				REEXT		
GC9FP1AC	A4C300240			REEXT		
GC7GK1AG	A4C300268			REEXT		
GC89P1A7	A4C310205			REEXT		
GC9CA1AJ				REEXT		
GC9CM1AJ				REEXT		
GC9CT1AJ				REEXT		

TH 4/8/04

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/21/04
Time: 6:31:34

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 401204 Michele Arteno

Concentrationist: DB Michele Arteno

QC BATCH: 4090705

PREP DATE: 3/31/04
COMP DATE: 4/02/04

Reviewer/Date: SCHEIMAH / 4/02/04

Base/Neutrals and Acids (8270C)
LIQ/LIQ, CONT (B/N/A) - Base->Acid

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/05/04	4/19/04	A4C300268-004 GC7GL-1-AG	D	0T	QL	WATER	1030mL 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2 ML BNA SURR #16112
COMMENTS:															
4/05/04	4/19/04	A4C300268-005 GC7GM-1-AG	D	0T	QL	WATER	1030mL 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2 ML BNA SURR #16112
COMMENTS:															
4/05/04	4/19/04	A4C300268-006 GC7GN-1-AG	D	0T	QL	WATER	1030mL 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2 ML BNA SURR #16112
COMMENTS:															
4/05/04	4/19/04	A4C300268-007 GC7GP-1-AG	D	0T	QL	WATER	1000mL 2.00mL	8.0	12.0	2.0	DCM	250.0		.0	.2 ML BNA SURR #16112
COMMENTS:															
4/05/04	4/19/04	A4C300268-009 GC7GV-1-AG	D	0T	QL	WATER	1020mL 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2 ML BNA SURR #16112
COMMENTS:															
4/05/04	0/00/00	A4C300000-705 GC8AW-1-AAB		0T	QL	WATER	1000mL 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2 ML BNA SURR #16112
COMMENTS:															
4/05/04	0/00/00	A4C300000-705 GC8AW-1-ACC		0T	QL	WATER	1000mL 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2ML #17080/RES#A030594 .2 ML BNA SURR #16112
COMMENTS:															

S&S BY MMA
DCM #A09E08 H2S04 #Y37A22 NAOH #Y41585 NA2S04 #Y51653
NCM COMPLETED-SEE CLOUSEAU

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)

NUMBER OF WORK ORDERS IN BATCH: 7

M = CLIENT REQ MS/MSD
‡

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/21/04
Time: 6:31:40

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 401536 Heather Scheimann

Concentrationist: 401973 Katy Tucker
DB Katy Tucker

QC BATCH: 4097208

PREP DATE: 4/06/04
COMP DATE: 4/08/04

Reviewer/Date: TUCKERK / 4/08/04

Base/Neutrals and Acids (8270C)
LIQ/LIQ, CONT (B/N/A) - Base->Acid

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/02/04	4/12/04	A4C290117-001 **GC4HD-2-C2**	D	0T	QL	WATER	**1030mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2 ML BNA SURR #17298
COMMENTS:															
4/03/04	4/13/04	A4C300124-002 **GC6EP-2-A6**	D	0T	QL	WATER	**1030mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2 ML BNA SURR #17298
COMMENTS:															
4/07/04	4/15/04	A4D010187-005 **GDCF9-1-CE**	D	0T	QL	WATER	2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2 ML BNA SURR #17298
COMMENTS:	CONSUMED-NA RESULTS														
4/07/04	4/15/04	A4D010187-005 **GDCF9-1-GFS**	D	0T	QL	WATER	2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2ML #15963/RES#A030594 .2 ML BNA SURR #17298
COMMENTS:	CONSUMED- NA RESULTS														
4/07/04	4/15/04	A4D010187-005 **GDCF9-1-GGD**	D	0T	QL	WATER	2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2ML #15963/RES#A030594 .2 ML BNA SURR #17298
COMMENTS:	CONSUMED-NA RESULTS														
4/07/04	4/21/04	A4D010333-002 **GDDMJ-1-AC**	D	0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #17298
COMMENTS:															
4/07/04	4/21/04	A4D010333-003 **GDDMN-1-AC**	D	0T	QL	WATER	**1030mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #17298
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/21/04
Time: 6:31:40

QC BATCH: 4097208

PREP DATE: 4/06/04
COMP DATE: 4/08/04

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/08/04	4/22/04	A4D020251-002 **GDFNA-1-AE**	D	0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #17298
COMMENTS:															
4/08/04	4/22/04	A4D020251-002 **GDFNA-1-AFS**	D	0T	QL	WATER	**500mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML #15963/RES A030594 0.2ML BNA SURR #17298
COMMENTS:															
4/08/04	4/22/04	A4D020251-002 **GDFNA-1-AGD**	D	0T	QL	WATER	**500mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML #15963/RES A030594 0.2ML BNA SURR #17298
COMMENTS:															
4/08/04	4/22/04	A4D020251-003 **GDFPG-1-AC**	D	0T	QL	WATER	**1000mL** 2.00mL	5.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #17298
COMMENTS:															
4/08/04	4/22/04	A4D020251-004 **GDFPQ-1-AC**	D	0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #17298
COMMENTS:															
4/09/04	4/16/04	A4D030144-002 **GDG8P-1-A4**	D	0T	QL	WATER	**1000mL** 2.00mL	5.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #17298
COMMENTS:															
4/09/04	4/16/04	A4D030147-004 **GDG9E-1-AA**	D	0T	QL	WATER	**1000mL** 2.00mL	5.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #17298
COMMENTS:															
4/07/04	0/00/00	A4D060000-208 **GDK2N-1-AAB**		0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #17298
COMMENTS:															
4/07/04	0/00/00	A4D060000-208 **GDK2N-1-ACC**		0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML #15963/RES A030594 0.2ML BNA SURR #17298
COMMENTS:															

S&S BY HLS
DCM #A09E08 NA2S04 #Y51653 1:1 H2S04 #Y37A22 10N #Y41545

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 16

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/21/04
Time: 6:31:43

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 401536 Heather Scheimann
401973 Katy Tucker

Concentrationist: 401536 Heather Scheimann
401973 Katy Tucker

QC BATCH: 4091574

PREP DATE: 4/01/04
COMP DATE: 4/03/04

Reviewer/Date: SCHEIMAH / 4/03/04

Base/Neutrals and Acids (8270C)
LIQ/LIQ, CONT (B/N/A) - Base->Acid

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/05/04	4/19/04	A4C300268-001 **GC7F2-1-AE**	D	0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/05/04	4/19/04	A4C300268-001 **GC7F2-1-AFS**	D	0T	QL	WATER	**500mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2ML #17080/RES A030594 0.2ML BNA SURR #16112
COMMENTS:															
4/05/04	4/19/04	A4C300268-001 **GC7F2-1-AGD**	D	0T	QL	WATER	**500mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2ML #17080/RES A030594 0.2ML BNA SURR #16112
COMMENTS:															
4/05/04	4/19/04	A4C300268-002 **GC7GH-1-AG**	D	0T	QL	WATER	**1030mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/05/04	4/19/04	A4C300268-003 **GC7GK-1-AG**	D	0T	QL	WATER	**1030mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/06/04	4/14/04	A4C310205-001 **GC89P-1-A7**	D	0T	QL	WATER	**1030mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/06/04	4/14/04	A4C310205-003 **GC9CA-1-AJ**	D	0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/21/04
Time: 6:31:43

QC BATCH: 4091574

PREP DATE: 4/01/04
COMP DATE: 4/03/04

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/06/04	4/14/04	A4C310205-004 **GC9CM-1-AJ**	D	0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/06/04	4/14/04	A4C310205-005 **GC9CT-1-AJ**	D	0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/05/04	4/13/04	A4C300240-017 **GC9FP-1-AC**	D	0T	QL	WATER	**1020mL** 2.00mL	5.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/06/04	4/14/04	A4C310258-001 **GC9NL-1-AD**		0T	QL	WATER	**950mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/06/04	4/14/04	A4C310258-007 **GC9P0-1-AL**		0T	QL	WATER	**950mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/06/04	4/14/04	A4C310258-009 **GC9P6-1-AL**		0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/06/04	4/20/04	A4C310291-003 **GC9W7-1-AA**	D	0T	QL	WATER	**1030mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/06/04	4/20/04	A4C310291-005 **GC9XC-1-AC**	D	0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/06/04	4/20/04	A4C310291-006 **GC9XE-1-AC**	D	0T	QL	WATER	**1020mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/06/04	4/20/04	A4C310291-007 **GC9XG-1-AC**	D	0T	QL	WATER	**1020mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/21/04
Time: 6:31:43

QC BATCH: 4091574

PREP DATE: 4/01/04
COMP DATE: 4/03/04

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/06/04	0/00/00	A4C310000-574 **GDAC6-1-AA**B		0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	0.2ML BNA SURR #16112
COMMENTS:															
4/06/04	0/00/00	A4C310000-574 **GDAC6-1-AC**C		0T	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	250.0		.0	.2ML #17080/RES A030594 0.2ML BNA SURR #16112
COMMENTS:															

S&S BY HLS
DCM #A09E08 NA2S04 #Y51653 1:1 H2S04 #Y37A22 10N NAOH #Y41545
DAVE BENSON ADDITIONAL CONCENTRATIONIST

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
‡

NUMBER OF WORK ORDERS IN BATCH: 19

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/21/04
Time: 6:31:47

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			Y	_	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 001756 Stephen J. Jackson
DB Stephen J. Jackson

Concentrationist: 401973 Katy Tucker
401536 Heather Scheimann

QC BATCH: 4104113

PREP DATE: 4/13/04
COMP DATE: 4/13/04

Reviewer/Date: SCHEIMAH / 4/13/04

Base/Neutrals and Acids (8270C)
LIQ/LIQ, SEP FUNNEL (B/N/A) - Base->Acid

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/05/04	4/19/04	A4C300268-001 **GC7F2-1-A9S**	D	0U	QL	WATER	**500mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML #15963 #A030594 .2ML BNA #17298
COMMENTS:															
4/05/04	4/19/04	A4C300268-001 **GC7F2-1-CAD**	D	0U	QL	WATER	**500mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML #15963 #A030594 .2ML BNA #17298
COMMENTS:															
4/05/04	4/19/04	A4C300268-001 **GC7F2-2-AE**	D	0U	QL	WATER	**1020mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															
4/06/04	4/14/04	A4C310205-001 **GC89P-2-A7**	D	0U	QL	WATER	**1020mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															
4/06/04	4/14/04	A4C310205-003 **GC9CA-2-AJ**	D	0U	QL	WATER	**1020mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															
4/06/04	4/14/04	A4C310205-004 **GC9CM-2-AJ**	D	0U	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															
4/06/04	4/14/04	A4C310205-005 **GC9CT-2-AJ**	D	0U	QL	WATER	**1030mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 4/21/04
Time: 6:31:47

QC BATCH: 4104113

PREP DATE: 4/13/04
COMP DATE: 4/13/04

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/05/04	4/13/04	A4C300240-017 **GC9FP-2-AC**	D	0U	QL	WATER	**1020mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															
4/06/04	4/14/04	A4C310258-001 **GC9NL-2-AD**		0U	QL	WATER	**980mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															
4/06/04	4/14/04	A4C310258-007 **GC9P0-2-AL**		0U	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															
4/06/04	4/14/04	A4C310258-009 **GC9P6-2-AL**		0U	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															
4/06/04	4/20/04	A4C310291-003 **GC9W7-2-AA**	D	0U	QL	WATER	**550mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:	LIMITED	QUANTITY													
4/06/04	4/20/04	A4C310291-005 **GC9XC-2-AC**	D	0U	QL	WATER	**960mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															
4/06/04	4/20/04	A4C310291-007 **GC9XG-2-AC**	D	0U	QL	WATER	**1010mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															
4/07/04	4/15/04	A4D010170-008 **GDCCP-2-AE**	D	0U	QL	WATER	**540mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:	LIMITED	QUANTITY													
4/05/04	0/00/00	A4D130000-113 **GD2CV-1-AAB**		0U	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML BNA #17298
COMMENTS:															
4/05/04	0/00/00	A4D130000-113 **GD2CV-1-ACC**		0U	QL	WATER	**1000mL** 2.00mL	7.0	12.0	2.0	DCM	360.0		.0	.2ML #15963 #A030594 .2ML BNA #17298
COMMENTS:															

S&S BY SJ; ASSOC QC & MS/MSD WITH 4105134 PER SJ AND BNA'S
DCM #A09E08 NA2S04 #A03H27 1:1 H2S04 #Y37A22 10N #Y41545
LIMITED QUANITY SOME SAMPLES

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
:

NUMBER OF WORK ORDERS IN BATCH: 17

04/20/04 10:37:12 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	SAMPLE SUFFIX	LAB ID	ANALYSIS TYPE	PREP DATE	PREP ANALYST	DATE OF TRANSFER	TRANSFERRED BY	ANALYSIS DATE	ANALYST
A4C300268	1		GC7F21AE	MS8270CL	4/01/04	Steffani McCoy	4/03/04	Heather Scheimann	4/08/04	Thomas Hula
A4C300268	1		GC7F22AE	MS8270CL	4/13/04	Stephen Jackson	4/13/04	Heather Scheimann	4/15/04	John Gruber
A4C300268	1	D	GC7F21AG	MS8270CL	4/01/04	Steffani McCoy	4/03/04	Heather Scheimann	4/08/04	Thomas Hula
A4C300268	1	D	GC7F21CA	MS8270CL	4/13/04	Stephen Jackson	4/13/04	Heather Scheimann	4/14/04	John Gruber
A4C300268	1	S	GC7F21AF	MS8270CL	4/01/04	Steffani McCoy	4/03/04	Heather Scheimann	4/08/04	Thomas Hula
A4C300268	1	S	GC7F21A9	MS8270CL	4/13/04	Stephen Jackson	4/13/04	Heather Scheimann	4/14/04	John Gruber
A4C300268	2		GC7GH1AG	MS8270CL	4/01/04	Steffani McCoy	4/03/04	Heather Scheimann	4/08/04	Thomas Hula
A4C300268	3		GC7GK1AG	MS8270CL	4/01/04	Steffani McCoy	4/03/04	Heather Scheimann	4/08/04	Thomas Hula
A4C300268	4		GC7GL1AG	MS8270CL	3/31/04	Steffani McCoy	4/02/04	Heather Scheimann	4/07/04	John Gruber
A4C300268	5		GC7GM1AG	MS8270CL	3/31/04	Steffani McCoy	4/02/04	Heather Scheimann	4/07/04	John Gruber
A4C300268	6		GC7GN1AG	MS8270CL	3/31/04	Steffani McCoy	4/02/04	Heather Scheimann	4/07/04	John Gruber
A4C300268	7		GC7GP1AG	MS8270CL	3/31/04	Steffani McCoy	4/02/04	Heather Scheimann	4/07/04	John Gruber
A4C300268	9		GC7GV1AG	MS8270CL	3/31/04	Steffani McCoy	4/02/04	Heather Scheimann	4/07/04	John Gruber

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

04/20/04 10:37:17 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	SAMPLE SUFFIX	LAB ID	ANALYSIS TYPE	PREP DATE	PREP ANALYST	DATE OF TRANSFER	TRANSFERRED BY	ANALYSIS DATE	ANALYST
A4C310291	3		GC9W71AA	MS8270CL	4/01/04	Steffani McCoy	4/03/04	Heather Scheimann	4/08/04	Thomas Hula
A4C310291	3		GC9W72AA	MS8270CL	4/13/04	Stephen Jackson	4/13/04	Heather Scheimann	4/14/04	John Gruber
A4C310291	5		GC9XC1AC	MS8270CL	4/01/04	Steffani McCoy	4/03/04	Heather Scheimann	4/08/04	Thomas Hula
A4C310291	5		GC9XC2AC	MS8270CL	4/13/04	Stephen Jackson	4/13/04	Heather Scheimann	4/14/04	John Gruber
A4C310291	6		GC9XE1AC	MS8270CL	4/01/04	Steffani McCoy	4/03/04	Heather Scheimann	4/08/04	Thomas Hula
A4C310291	7		GC9XG1AC	MS8270CL	4/01/04	Steffani McCoy	4/03/04	Heather Scheimann	4/08/04	Thomas Hula
A4C310291	7		GC9XG2AC	MS8270CL	4/13/04	Stephen Jackson	4/13/04	Heather Scheimann	4/14/04	John Gruber

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

04/20/04 10:37:31 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	SAMPLE SUFFIX	LAB ID	ANALYSIS TYPE	PREP DATE	PREP ANALYST	DATE OF TRANSFER	TRANSFERRED BY	ANALYSIS DATE	ANALYST
A4D010333	2		GDDMJ1AC	MS8270CL	4/06/04	Heather Scheimann	4/08/04	Katy Tucker	4/13/04	John Gruber
A4D010333	3		GDDMN1AC	MS8270CL	4/06/04	Heather Scheimann	4/08/04	Katy Tucker	4/14/04	John Gruber

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

METALS DATA

FORMS DATA

PAYNE FIRM INC.

Client Sample ID: MW44/032904

TOTAL Metals

Lot-Sample #...: A4C300268-001 **Matrix.....:** WG
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7F21AT
		Dilution Factor: 1		Analysis Time..: 20:02	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	**0.013**	**0.0050**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7F21AW**
		Dilution Factor: 1		Analysis Time..: 20:02	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	**0.050**	**0.040**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7F21A1**
		Dilution Factor: 1		Analysis Time..: 20:02	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW44/032904

DISSOLVED Metals

Lot-Sample #...: A4C300268-001 **Matrix.....:** WG
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7F21AH
		Dilution Factor: 1		Analysis Time..: 20:22	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC7F21AL
		Dilution Factor: 1		Analysis Time..: 20:22	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	**0.064**	**0.040**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7F21AP**
		Dilution Factor: 1		Analysis Time..: 20:22	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW24/032904

TOTAL Metals

Lot-Sample #...: A4C300268-002 **Matrix.....:** WG
Date Sampled...: 03/29/04 10:20 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GH1AL
		Dilution Factor: 1		Analysis Time..: 20:37	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC7GH1AM
		Dilution Factor: 1		Analysis Time..: 20:37	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GH1AA
		Dilution Factor: 1		Analysis Time..: 20:37	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW24/032904

DISSOLVED Metals

Lot-Sample #...: A4C300268-002 **Matrix.....:** WG
Date Sampled...: 03/29/04 10:20 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GH1AH
		Dilution Factor: 1		Analysis Time..: 20:53	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC7GH1AJ
		Dilution Factor: 1		Analysis Time..: 20:53	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GH1AK
		Dilution Factor: 1		Analysis Time..: 20:53	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW31D/032904

TOTAL Metals

Lot-Sample #...: A4C300268-003 **Matrix.....:** WG
Date Sampled...: 03/29/04 15:25 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GK1AL
		Dilution Factor: 1		Analysis Time..: 20:58	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC7GK1AM
		Dilution Factor: 1		Analysis Time..: 20:58	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GK1AA
		Dilution Factor: 1		Analysis Time..: 20:58	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW31D/032904

DISSOLVED Metals

Lot-Sample #...: A4C300268-003 **Matrix.....:** WG
Date Sampled...: 03/29/04 15:25 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GK1AH
		Dilution Factor: 1		Analysis Time..: 21:03	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC7GK1AJ
		Dilution Factor: 1		Analysis Time..: 21:03	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GK1AK
		Dilution Factor: 1		Analysis Time..: 21:03	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW31A/032904

TOTAL Metals

Lot-Sample #...: A4C300268-004 **Matrix.....:** WG
Date Sampled...: 03/29/04 15:07 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	**0.030**	**0.010**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7GL1AL**
		Dilution Factor: 1		Analysis Time..: 21:08	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	**0.012**	**0.0050**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7GL1AM**
		Dilution Factor: 1		Analysis Time..: 21:08	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GL1AA
		Dilution Factor: 1		Analysis Time..: 21:08	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW31A/032904

DISSOLVED Metals

Lot-Sample #...: A4C300268-004 **Matrix.....:** WG
Date Sampled...: 03/29/04 15:07 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	**0.018**	**0.010**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7GL1AH**
		Dilution Factor: 1		Analysis Time..: 21:13	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC7GL1AJ
		Dilution Factor: 1		Analysis Time..: 21:13	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GL1AK
		Dilution Factor: 1		Analysis Time..: 21:13	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW30/032904

TOTAL Metals

Lot-Sample #...: A4C300268-005 **Matrix.....:** WG
Date Sampled...: 03/29/04 14:15 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GM1AL
		Dilution Factor: 1		Analysis Time..: 21:18	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	**0.026**	**0.0050**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7GM1AM**
		Dilution Factor: 1		Analysis Time..: 21:18	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GM1AA
		Dilution Factor: 1		Analysis Time..: 21:18	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW30/032904

DISSOLVED Metals

Lot-Sample #...: A4C300268-005 **Matrix.....:** WG
Date Sampled...: 03/29/04 14:15 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GM1AH
		Dilution Factor: 1		Analysis Time..: 21:23	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC7GM1AJ
		Dilution Factor: 1		Analysis Time..: 21:23	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GM1AK
		Dilution Factor: 1		Analysis Time..: 21:23	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW15B/032904

TOTAL Metals

Lot-Sample #...: A4C300268-006 **Matrix.....:** WG
Date Sampled...: 03/29/04 10:40 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GN1AL
		Dilution Factor: 1		Analysis Time..: 21:27	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	**0.0077**	**0.0050**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7GN1AM**
		Dilution Factor: 1		Analysis Time..: 21:27	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GN1AA
		Dilution Factor: 1		Analysis Time..: 21:27	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW15B/032904

DISSOLVED Metals

Lot-Sample #...: A4C300268-006 **Matrix.....:** WG
Date Sampled...: 03/29/04 10:40 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GN1AH
		Dilution Factor: 1		Analysis Time..: 21:32	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC7GN1AJ
		Dilution Factor: 1		Analysis Time..: 21:32	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GN1AK
		Dilution Factor: 1		Analysis Time..: 21:32	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW31C/032904

TOTAL Metals

Lot-Sample #...: A4C300268-007 **Matrix.....:** WG
Date Sampled...: 03/29/04 15:35 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GP1AL
		Dilution Factor: 1		Analysis Time..: 21:37	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	**0.0072**	**0.0050**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7GP1AM**
		Dilution Factor: 1		Analysis Time..: 21:37	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GP1AA
		Dilution Factor: 1		Analysis Time..: 21:37	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW31C/032904

DISSOLVED Metals

Lot-Sample #...: A4C300268-007 **Matrix.....:** WG
Date Sampled...: 03/29/04 15:35 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GP1AH
		Dilution Factor: 1		Analysis Time..: 21:54	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC7GP1AJ
		Dilution Factor: 1		Analysis Time..: 21:54	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC7GP1AK
		Dilution Factor: 1		Analysis Time..: 21:54	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: DUP01/032904

TOTAL Metals

Lot-Sample #...: A4C300268-009 **Matrix.....:** WQ
Date Sampled...: 03/29/04 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GV1AL
		Dilution Factor: 1		Analysis Time..: 21:59	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	**0.0089**	**0.0050**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7GV1AM**
		Dilution Factor: 1		Analysis Time..: 21:59	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	**0.059**	**0.040**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7GV1AA**
		Dilution Factor: 1		Analysis Time..: 21:59	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: DUP01/032904

DISSOLVED Metals

Lot-Sample #...: A4C300268-009 **Matrix.....:** WQ
Date Sampled...: 03/29/04 **Date Received..:** 03/30/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC7GV1AH
		Dilution Factor: 1		Analysis Time..: 22:04	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC7GV1AJ
		Dilution Factor: 1		Analysis Time..: 22:04	Analyst ID.....: 001637	
		Instrument ID..: I6				
Nickel	**0.061**	**0.040**	**mg/L**	**SW846 6010B**	**03/31-04/02/04**	**GC7GV1AK**
		Dilution Factor: 1		Analysis Time..: 22:04	Analyst ID.....: 001637	
		Instrument ID..: I6				

PAYNE FIRM INC.

Client Sample ID: MW-43A/033004

TOTAL Metals

Lot-Sample #...: A4C310291-005 **Matrix.....:** WG
Date Sampled...: 03/30/04 10:28 **Date Received..:** 03/31/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092100						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/01/04	GC9XC1AG
		Dilution Factor: 1		Analysis Time..: 23:40	Analyst ID.....: 001619	
		Instrument ID..: I5				
Chromium	**0.0058**	**0.0050**	**mg/L**	**SW846 6010B**	**04/01/04**	**GC9XC1AH**
		Dilution Factor: 1		Analysis Time..: 23:40	Analyst ID.....: 001619	
		Instrument ID..: I5				
Nickel	ND	0.040	mg/L	SW846 6010B	04/01/04	GC9XC1AJ
		Dilution Factor: 1		Analysis Time..: 23:40	Analyst ID.....: 001619	
		Instrument ID..: I5				

PAYNE FIRM INC.

Client Sample ID: MW-43A/033004

DISSOLVED Metals

Lot-Sample #...: A4C310291-005 **Matrix.....:** WG
Date Sampled...: 03/30/04 10:28 **Date Received..:** 03/31/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092100						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/01/04	GC9XC1AD
		Dilution Factor: 1		Analysis Time..: 23:45	Analyst ID.....: 001619	
		Instrument ID..: I5				
Chromium	ND	0.0050	mg/L	SW846 6010B	04/01/04	GC9XC1AE
		Dilution Factor: 1		Analysis Time..: 23:45	Analyst ID.....: 001619	
		Instrument ID..: I5				
Nickel	ND	0.040	mg/L	SW846 6010B	04/01/04	GC9XC1AF
		Dilution Factor: 1		Analysis Time..: 23:45	Analyst ID.....: 001619	
		Instrument ID..: I5				

PAYNE FIRM INC.

Client Sample ID: MW-18/033004

TOTAL Metals

Lot-Sample #...: A4C310291-006 **Matrix.....:** WG
Date Sampled...: 03/30/04 10:00 **Date Received..:** 03/31/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092100						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/01/04	GC9XE1AG
		Dilution Factor: 1		Analysis Time..: 23:50	Analyst ID.....: 001619	
		Instrument ID..: I5				
Chromium	**0.019**	**0.0050**	**mg/L**	**SW846 6010B**	**04/01/04**	**GC9XE1AH**
		Dilution Factor: 1		Analysis Time..: 23:50	Analyst ID.....: 001619	
		Instrument ID..: I5				
Nickel	ND	0.040	mg/L	SW846 6010B	04/01/04	GC9XE1AJ
		Dilution Factor: 1		Analysis Time..: 23:50	Analyst ID.....: 001619	
		Instrument ID..: I5				

PAYNE FIRM INC.

Client Sample ID: MW-18/033004

DISSOLVED Metals

Lot-Sample #...: A4C310291-006 **Matrix.....:** WG
Date Sampled...: 03/30/04 10:00 **Date Received..:** 03/31/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092100						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/01/04	GC9XE1AD
		Dilution Factor: 1		Analysis Time..: 23:55	Analyst ID.....: 001619	
		Instrument ID..: I5				
Chromium	ND	0.0050	mg/L	SW846 6010B	04/01/04	GC9XE1AE
		Dilution Factor: 1		Analysis Time..: 23:55	Analyst ID.....: 001619	
		Instrument ID..: I5				
Nickel	ND	0.040	mg/L	SW846 6010B	04/01/04	GC9XE1AF
		Dilution Factor: 1		Analysis Time..: 23:55	Analyst ID.....: 001619	
		Instrument ID..: I5				

PAYNE FIRM INC.

Client Sample ID: P-1/033004

TOTAL Metals

Lot-Sample #...: A4C310291-007 **Matrix.....:** WG
Date Sampled...: 03/30/04 08:52 **Date Received..:** 03/31/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092100						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/01/04	GC9XG1AG
		Dilution Factor: 1		Analysis Time..: 23:59	Analyst ID.....: 001619	
		Instrument ID..: I5				
Chromium	**0.0076**	**0.0050**	**mg/L**	**SW846 6010B**	**04/01/04**	**GC9XG1AH**
		Dilution Factor: 1		Analysis Time..: 23:59	Analyst ID.....: 001619	
		Instrument ID..: I5				
Nickel	ND	0.040	mg/L	SW846 6010B	04/01/04	GC9XG1AJ
		Dilution Factor: 1		Analysis Time..: 23:59	Analyst ID.....: 001619	
		Instrument ID..: I5				

PAYNE FIRM INC.

Client Sample ID: P-1/033004

DISSOLVED Metals

Lot-Sample #...: A4C310291-007 **Matrix.....:** WG
Date Sampled...: 03/30/04 08:52 **Date Received..:** 03/31/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4092100						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/01-04/02/04	GC9XG1AD
		Dilution Factor: 1		Analysis Time..: 00:22	Analyst ID.....: 001619	
		Instrument ID..: I5				
Chromium	ND	0.0050	mg/L	SW846 6010B	04/01-04/02/04	GC9XG1AE
		Dilution Factor: 1		Analysis Time..: 00:22	Analyst ID.....: 001619	
		Instrument ID..: I5				
Nickel	ND	0.040	mg/L	SW846 6010B	04/01-04/02/04	GC9XG1AF
		Dilution Factor: 1		Analysis Time..: 00:22	Analyst ID.....: 001619	
		Instrument ID..: I5				

PAYNE FIRM INC.

Client Sample ID: MW-8/033104

TOTAL Metals

Lot-Sample #...: A4D010333-002 **Matrix.....:** WG
Date Sampled...: 03/31/04 10:55 **Date Received..:** 04/01/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4093101						
Arsenic	**0.077**	**0.010**	**mg/L**	**SW846 6010B**	**04/02/04**	**GDDMJ1AG**
		Dilution Factor: 1		Analysis Time..: 21:29	Analyst ID.....: 001644	
		Instrument ID..: I5				
Chromium	**0.0096**	**0.0050**	**mg/L**	**SW846 6010B**	**04/02/04**	**GDDMJ1AH**
		Dilution Factor: 1		Analysis Time..: 21:29	Analyst ID.....: 001644	
		Instrument ID..: I5				
Nickel	ND	0.040	mg/L	SW846 6010B	04/02/04	GDDMJ1AJ
		Dilution Factor: 1		Analysis Time..: 21:29	Analyst ID.....: 001644	
		Instrument ID..: I5				

PAYNE FIRM INC.

Client Sample ID: MW-8/033104

DISSOLVED Metals

Lot-Sample #...: A4D010333-002 **Matrix.....:** WG
Date Sampled...: 03/31/04 10:55 **Date Received..:** 04/01/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4093101						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/02/04	GDDMJ1AD
		Dilution Factor: 1		Analysis Time..: 21:34	Analyst ID.....: 001644	
		Instrument ID..: I5				
Chromium	ND	0.0050	mg/L	SW846 6010B	04/02/04	GDDMJ1AE
		Dilution Factor: 1		Analysis Time..: 21:34	Analyst ID.....: 001644	
		Instrument ID..: I5				
Nickel	ND	0.040	mg/L	SW846 6010B	04/02/04	GDDMJ1AF
		Dilution Factor: 1		Analysis Time..: 21:34	Analyst ID.....: 001644	
		Instrument ID..: I5				

PAYNE FIRM INC.

Client Sample ID: MW-23/033104

TOTAL Metals

Lot-Sample #...: A4D010333-003 **Matrix.....:** WG
Date Sampled...: 03/31/04 10:00 **Date Received..:** 04/01/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4093101						
Arsenic	**0.012**	**0.010**	**mg/L**	**SW846 6010B**	**04/02/04**	**GDDMN1AG**
		Dilution Factor: 1		Analysis Time..: 21:39	Analyst ID.....: 001644	
		Instrument ID..: I5				
Chromium	**0.014**	**0.0050**	**mg/L**	**SW846 6010B**	**04/02/04**	**GDDMN1AH**
		Dilution Factor: 1		Analysis Time..: 21:39	Analyst ID.....: 001644	
		Instrument ID..: I5				
Nickel	ND	0.040	mg/L	SW846 6010B	04/02/04	GDDMN1AJ
		Dilution Factor: 1		Analysis Time..: 21:39	Analyst ID.....: 001644	
		Instrument ID..: I5				

PAYNE FIRM INC.

Client Sample ID: MW-23/033104

DISSOLVED Metals

Lot-Sample #...: A4D010333-003 **Matrix.....:** WG
Date Sampled...: 03/31/04 10:00 **Date Received..:** 04/01/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4093101						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/02/04	GDDMN1AD
		Dilution Factor: 1		Analysis Time..: 21:57	Analyst ID.....: 001644	
		Instrument ID..: I5				
Chromium	ND	0.0050	mg/L	SW846 6010B	04/02/04	GDDMN1AE
		Dilution Factor: 1		Analysis Time..: 21:57	Analyst ID.....: 001644	
		Instrument ID..: I5				
Nickel	ND	0.040	mg/L	SW846 6010B	04/02/04	GDDMN1AF
		Dilution Factor: 1		Analysis Time..: 21:57	Analyst ID.....: 001644	
		Instrument ID..: I5				

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICV 4/1/2004 2:40 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	250.0	252.90	**101.2**								
Chromium	267.716	1000.0	1019.20	**101.9**								
Nickel	231.604	1000.0	1008.81	**100.9**								

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I60402A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICV 4/2/2004 12:34 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	250.0	243.22	**97.3**								
Chromium	267.716	1000.0	991.37	**99.1**								
Nickel	231.604	1000.0	990.99	**99.1**								

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 4/1/2004 3:08 PM		CCV 4/1/2004 4:13 PM		CCV 4/1/2004 5:20 PM		CCV 4/1/2004 6:23 PM		CCV 4/1/2004 7:24 PM	
			Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	500.0	507.29	**101.5**	500.91	**100.2**	500.94	**100.2**	498.71	**99.7**	500.33	**100.1**
Chromium	267.716	2000.0	2049.31	**102.5**	2037.44	**101.9**	2009.01	**100.5**	2007.93	**100.4**	1990.05	**99.5**
Nickel	231.604	2000.0	2049.55	**102.5**	2011.79	**100.6**	2011.43	**100.6**	2032.63	**101.6**	2034.55	**101.7**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 4/1/2004 8:29 PM Found	% Rec	CCV 4/1/2004 9:07 PM Found	% Rec	CCV 4/1/2004 10:08 PM Found	% Rec	CCV 4/1/2004 11:09 PM Found	% Rec	CCV 4/2/2004 12:11 AM Found	% Rec
Arsenic	189.042	500.0	493.42	**98.7**	497.11	**99.4**	497.27	**99.5**	496.03	**99.2**	489.52	**97.9**
Chromium	267.716	2000.0	1975.56	**98.8**	1983.85	**99.2**	1999.76	**100.0**	1989.01	**99.5**	1968.70	**98.4**
Nickel	231.604	2000.0	2037.27	**101.9**	2046.82	**102.3**	2018.89	**100.9**	2006.85	**100.3**	1988.01	**99.4**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 4/2/2004 1:15 AM		CCV 4/2/2004 2:16 AM		CCV 4/2/2004 3:21 AM		CCV 4/2/2004 4:26 AM		CCV 4/2/2004 5:28 AM	
			Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	500.0	494.71	**98.9**	494.32	**98.9**	491.00	**98.2**	494.30	**98.9**	484.60	**96.9**
Chromium	267.716	2000.0	1990.84	**99.5**	1990.24	**99.5**	1991.39	**99.6**	1995.01	**99.8**	1964.83	**98.2**
Nickel	231.604	2000.0	2013.38	**100.7**	2026.25	**101.3**	2030.39	**101.5**	2040.53	**102.0**	2007.89	**100.4**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 4/2/2004 6:02 AM Found	% Rec	CCV 4/2/2004 9:19 AM Found	% Rec	CCV 4/2/2004 9:41 AM Found	% Rec	CCV 4/2/2004 10:42 AM Found	% Rec	CCV 4/2/2004 11:47 AM Found	% Rec
Arsenic	189.042	500.0	489.64	**97.9**	475.59	**95.1**	492.37	**98.5**	498.94	**99.8**	496.72	**99.3**
Chromium	267.716	2000.0	1991.41	**99.6**	1930.90	**96.5**	1992.78	**99.6**	2008.69	**100.4**	2013.18	**100.7**
Nickel	231.604	2000.0	2039.21	**102.0**	2032.05	**101.6**	1977.90	**98.9**	1957.33	**97.9**	1916.42	**95.8**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 4/2/2004 12:47 PM Found	% Rec	CCV 4/2/2004 1:51 PM Found	% Rec	CCV 4/2/2004 2:53 PM Found	% Rec	CCV 4/2/2004 4:28 PM Found	% Rec	CCV 4/2/2004 5:33 PM Found	% Rec
Arsenic	189.042	500.0	498.33	**99.7**	495.70	**99.1**	493.89	**98.8**	496.00	**99.2**	497.64	**99.5**
Chromium	267.716	2000.0	2021.65	**101.1**	2017.65	**100.9**	2005.53	**100.3**	2012.45	**100.6**	2009.99	**100.5**
Nickel	231.604	2000.0	1902.20	**95.1**	1890.92	**94.5**	1885.28	**94.3**	1907.61	**95.4**	1917.02	**95.9**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 4/2/2004 6:37 PM		CCV 4/2/2004 7:42 PM		CCV 4/2/2004 8:43 PM		CCV 4/2/2004 9:45 PM		CCV 4/2/2004 10:13 PM	
			Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	500.0	495.61	**99.1**	498.03	**99.6**	499.63	**99.9**	497.92	**99.6**	495.85	**99.2**
Chromium	267.716	2000.0	2009.45	**100.5**	2018.66	**100.9**	2017.77	**100.9**	2021.34	**101.1**	2014.56	**100.7**
Nickel	231.604	2000.0	1920.90	**96.0**	1930.34	**96.5**	1929.44	**96.5**	1931.39	**96.6**	1924.09	**96.2**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I60402A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 4/2/2004 1:32 PM Found	% Rec	CCV 4/2/2004 2:34 PM Found	% Rec	CCV 4/2/2004 3:33 PM Found	% Rec	CCV 4/2/2004 4:35 PM Found	% Rec	CCV 4/2/2004 5:45 PM Found	% Rec
Arsenic	189.042	500.0	504.22	**100.8**	483.63	**96.7**	502.90	**100.6**	511.72	**102.3**	522.26	**104.5**
Chromium	267.716	2000.0	2036.03	**101.8**	1935.34	**96.8**	2010.18	**100.5**	2045.73	**102.3**	2088.28	**104.4**
Nickel	231.604	2000.0	2052.51	**102.6**	1929.24	**96.5**	2032.23	**101.6**	2074.41	**103.7**	2121.70	**106.1**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I60402A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 4/2/2004 6:45 PM Found	% Rec	CCV 4/2/2004 7:41 PM Found	% Rec	CCV 4/2/2004 8:43 PM Found	% Rec	CCV 4/2/2004 9:43 PM Found	% Rec	CCV 4/2/2004 10:16 PM Found	% Rec
Arsenic	189.042	500.0	517.40	**103.5**	498.15	**99.6**	500.69	**100.1**	488.56	**97.7**	527.21	**105.4**
Chromium	267.716	2000.0	2077.51	**103.9**	1992.24	**99.6**	2023.57	**101.2**	1987.35	**99.4**	2151.29	**107.6**
Nickel	231.604	2000.0	2110.41	**105.5**	2022.15	**101.1**	2048.47	**102.4**	2009.28	**100.5**	2172.09	**108.6**

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CRI/MRL 4/1/2004 2:51 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	15.0	15.35	**102.3**								
Chromium	267.716	5.0	5.56	**111.2**								
Nickel	231.604	25.0	26.51	**106.0**								

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I60402A.ARC **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CRI\MRL 4/2/2004 12:45 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	15.0	14.78	**98.5**								
Chromium	267.716	5.0	5.62	**112.3**								
Nickel	231.604	25.0	25.08	**100.3**								

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB 4/1/2004 2:46 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	1.6	U								
Chromium	267.716	5	0.8	U								
Nickel	231.604	40	1.3	U								

5.21.0

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I60402A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB 4/2/2004 12:40 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	2.6	U								
Chromium	267.716	5	0.9	U								
Nickel	231.604	40	1.0	U								

5.21.0

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 4/1/2004 3:14 PM		CCB 4/1/2004 4:19 PM		CCB 4/1/2004 5:27 PM		CCB 4/1/2004 6:29 PM		CCB 4/1/2004 7:31 PM	
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
Chromium	267.716	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Nickel	231.604	40	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U

5.21.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 4/1/2004 8:35 PM		CCB 4/1/2004 9:13 PM		CCB 4/1/2004 10:15 PM		CCB 4/1/2004 11:16 PM		CCB 4/2/2004 12:17 AM	
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
Chromium	267.716	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Nickel	231.604	40	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U

5.21.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 4/2/2004 1:22 AM		CCB 4/2/2004 2:23 AM		CCB 4/2/2004 3:28 AM		CCB 4/2/2004 4:33 AM		CCB 4/2/2004 5:35 AM	
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
Chromium	267.716	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Nickel	231.604	40	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 4/2/2004 6:09 AM Found	Q	CCB 4/2/2004 9:26 AM Found	Q	CCB 4/2/2004 9:48 AM Found	Q	CCB 4/2/2004 10:49 AM Found	Q	CCB 4/2/2004 11:53 AM Found	Q
Arsenic	189.042	10	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
Chromium	267.716	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Nickel	231.604	40	1.3	U	**-1.4**	**B**	1.3	U	1.3	U	1.3	U

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 4/2/2004 12:54 PM		CCB 4/2/2004 1:57 PM		CCB 4/2/2004 2:59 PM		CCB 4/2/2004 4:35 PM		CCB 4/2/2004 5:39 PM	
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
Chromium	267.716	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Nickel	231.604	40	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U

5.21.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 4/2/2004 6:44 PM		CCB 4/2/2004 7:49 PM		CCB 4/2/2004 8:50 PM		CCB 4/2/2004 9:52 PM		CCB 4/2/2004 10:20 PM	
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
Chromium	267.716	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Nickel	231.604	40	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U

5.21.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I60402A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 4/2/2004 1:38 PM		CCB 4/2/2004 2:40 PM		CCB 4/2/2004 3:39 PM		CCB 4/2/2004 4:42 PM		CCB 4/2/2004 5:51 PM	
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U
Chromium	267.716	5	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U
Nickel	231.604	40	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

5.21.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I60402A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 4/2/2004 6:51 PM		CCB 4/2/2004 7:47 PM		CCB 4/2/2004 8:49 PM		CCB 4/2/2004 9:49 PM		CCB 4/2/2004 10:22 PM	
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U
Chromium	267.716	5	0.9	U	0.9	U	**0.9**	**B**	0.9	U	0.9	U
Nickel	231.604	40	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

5.21.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A4C310000-096 **Prep Batch #...:** 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC8HA1AE
		Dilution Factor: 1				
		Analysis Time..: 19:52	Analyst ID.....: 001637	Instrument ID..: I6		
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC8HA1AF
		Dilution Factor: 1				
		Analysis Time..: 19:52	Analyst ID.....: 001637	Instrument ID..: I6		
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC8HA1AG
		Dilution Factor: 1				
		Analysis Time..: 19:52	Analyst ID.....: 001637	Instrument ID..: I6		
MB Lot-Sample #: A4D010000-100 **Prep Batch #...:** 4092100						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/01/04	GDAL21AC
		Dilution Factor: 1				
		Analysis Time..: 22:19	Analyst ID.....: 001619	Instrument ID..: I5		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/01/04	GDAL21AE
		Dilution Factor: 1				
		Analysis Time..: 22:19	Analyst ID.....: 001619	Instrument ID..: I5		
Nickel	ND	0.040	mg/L	SW846 6010B	04/01/04	GDAL21AN
		Dilution Factor: 1				
		Analysis Time..: 22:19	Analyst ID.....: 001619	Instrument ID..: I5		
MB Lot-Sample #: A4D020000-101 **Prep Batch #...:** 4093101						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/02/04	GDD7W1CK
		Dilution Factor: 1				
		Analysis Time..: 19:25	Analyst ID.....: 001644	Instrument ID..: I5		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/02/04	GDD7W1AA
		Dilution Factor: 1				
		Analysis Time..: 19:25	Analyst ID.....: 001644	Instrument ID..: I5		
Nickel	ND	0.040	mg/L	SW846 6010B	04/02/04	GDD7W1CL
		Dilution Factor: 1				
		Analysis Time..: 19:25	Analyst ID.....: 001644	Instrument ID..: I5		

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A4C310000-096 **Prep Batch #...:** 4091096						
Arsenic	ND	0.010	mg/L	SW846 6010B	03/31-04/02/04	GC8HA1AA
		Dilution Factor: 1				
		Analysis Time..: 19:52	Analyst ID.....: 001637	Instrument ID..: I6		
Chromium	ND	0.0050	mg/L	SW846 6010B	03/31-04/02/04	GC8HA1AC
		Dilution Factor: 1				
		Analysis Time..: 19:52	Analyst ID.....: 001637	Instrument ID..: I6		
Nickel	ND	0.040	mg/L	SW846 6010B	03/31-04/02/04	GC8HA1AD
		Dilution Factor: 1				
		Analysis Time..: 19:52	Analyst ID.....: 001637	Instrument ID..: I6		
MB Lot-Sample #: A4D010000-100 **Prep Batch #...:** 4092100						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/01/04	GDAL21CG
		Dilution Factor: 1				
		Analysis Time..: 22:19	Analyst ID.....: 001619	Instrument ID..: I5		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/01/04	GDAL21CH
		Dilution Factor: 1				
		Analysis Time..: 22:19	Analyst ID.....: 001619	Instrument ID..: I5		
Nickel	ND	0.040	mg/L	SW846 6010B	04/01/04	GDAL21CJ
		Dilution Factor: 1				
		Analysis Time..: 22:19	Analyst ID.....: 001619	Instrument ID..: I5		
MB Lot-Sample #: A4D020000-101 **Prep Batch #...:** 4093101						
Arsenic	ND	0.010	mg/L	SW846 6010B	04/02/04	GDD7W1CG
		Dilution Factor: 1				
		Analysis Time..: 19:25	Analyst ID.....: 001644	Instrument ID..: I5		
Chromium	ND	0.0050	mg/L	SW846 6010B	04/02/04	GDD7W1CH
		Dilution Factor: 1				
		Analysis Time..: 19:25	Analyst ID.....: 001644	Instrument ID..: I5		
Nickel	ND	0.040	mg/L	SW846 6010B	04/02/04	GDD7W1CJ
		Dilution Factor: 1				
		Analysis Time..: 19:25	Analyst ID.....: 001644	Instrument ID..: I5		

NOTE(S):

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

Metals Data Reporting Form

Interference Check Standard A

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC **Acceptable Range:** 0% - 0%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	Reporting Limit	True Conc	ICSA 4/1/2004 2:56 PM Found	Found	Found	Found	Found
Arsenic	189.042	10		0				
Chromium	267.716	5		2				
Nickel	231.604	40		3				

U Result is less than the IDL
B Result is between IDL and RL

Form 4 Equivalent

Metals Data Reporting Form

Interference Check Standard A

Instrument: ICPST **Units:** ug/L

Chart Number: I60402A.ARC **Acceptable Range:** 0% - 0%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	Reporting Limit	True Conc	ICSA 4/2/2004 1:06 PM Found	Found	Found	Found	Found
Arsenic	189.042	10		4				
Chromium	267.716	5		0				
Nickel	231.604	40		2				

5.21.0

U Result is less than the IDL
B Result is between IDL and RL

Form 4 Equivalent

Metals Data Reporting Form

Interference Check Standard AB

Instrument: ICPST **Units:** ug/L

Chart Number: I50401A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICSAB 4/1/2004 3:01 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	1000	981.7	**98.2**								
Chromium	267.716	500	496.0	**99.2**								
Nickel	231.604	1000	988.9	**98.9**								

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed

Form 4 Equivalent

Metals Data Reporting Form

Interference Check Standard AB

Instrument: ICPST **Units:** ug/L

Chart Number: I60402A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICSAB 4/2/2004 1:27 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	1000	1013.2	**101.3**								
Chromium	267.716	500	502.3	**100.5**								
Nickel	231.604	1000	987.5	**98.7**								

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed

Form 4 Equivalent

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: 4C30268 **Matrix.....:** WG
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4C300268-001 **Prep Batch #...:** 4091096							
Arsenic	94	(75 - 125)			SW846 6010B	03/31-04/02/04	GC7F21AU
	107	(75 - 125)	13	(0-20)	SW846 6010B	03/31-04/02/04	GC7F21AV
		Dilution Factor: 1					
		Analysis Time..: 20:12			Instrument ID..: I6	Analyst ID.....: 001637	
Chromium	96	(75 - 125)			SW846 6010B	03/31-04/02/04	GC7F21AX
	109	(75 - 125)	12	(0-20)	SW846 6010B	03/31-04/02/04	GC7F21A0
		Dilution Factor: 1					
		Analysis Time..: 20:12			Instrument ID..: I6	Analyst ID.....: 001637	
Nickel	94	(75 - 125)			SW846 6010B	03/31-04/02/04	GC7F21A2
	108	(75 - 125)	13	(0-20)	SW846 6010B	03/31-04/02/04	GC7F21A3
		Dilution Factor: 1					
		Analysis Time..: 20:12			Instrument ID..: I6	Analyst ID.....: 001637	

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: 4C30268 **Matrix.....:** WG
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4C300268-001 **Prep Batch #...:** 4091096									
Arsenic									
	ND	2.0	1.9	mg/L	94		SW846 6010B	03/31-04/02/04	GC7F21AU
	ND	2.0	2.1	mg/L	107	13	SW846 6010B	03/31-04/02/04	GC7F21AV
			Dilution Factor: 1						
			Analysis Time..: 20:12		Instrument ID..: I6			Analyst ID.....: 001637	
Chromium									
	0.013	0.20	0.21	mg/L	96		SW846 6010B	03/31-04/02/04	GC7F21AX
	0.013	0.20	0.23	mg/L	109	12	SW846 6010B	03/31-04/02/04	GC7F21A0
			Dilution Factor: 1						
			Analysis Time..: 20:12		Instrument ID..: I6			Analyst ID.....: 001637	
Nickel									
	0.050	0.50	0.52	mg/L	94		SW846 6010B	03/31-04/02/04	GC7F21A2
	0.050	0.50	0.59	mg/L	108	13	SW846 6010B	03/31-04/02/04	GC7F21A3
			Dilution Factor: 1						
			Analysis Time..: 20:12		Instrument ID..: I6			Analyst ID.....: 001637	

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER
Date Sampled...: 03/30/04 08:55 **Date Received..:** 03/31/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4C310150-002 **Prep Batch #...:** 4092100							
Arsenic	91	(75 - 125)			SW846 6010B	04/01/04	GC8V91A1
	91	(75 - 125)	0.33	(0-20)	SW846 6010B	04/01/04	GC8V91A2
		Dilution Factor: 1					
		Analysis Time..: 23:03			Instrument ID..: I5	Analyst ID.....: 001619	
Chromium	92	(75 - 125)			SW846 6010B	04/01/04	GC8V91A5
	92	(75 - 125)	0.01	(0-20)	SW846 6010B	04/01/04	GC8V91A6
		Dilution Factor: 1					
		Analysis Time..: 23:03			Instrument ID..: I5	Analyst ID.....: 001619	
Nickel	91	(75 - 125)			SW846 6010B	04/01/04	GC8V91CN
	91	(75 - 125)	0.01	(0-20)	SW846 6010B	04/01/04	GC8V91CP
		Dilution Factor: 1					
		Analysis Time..: 23:03			Instrument ID..: I5	Analyst ID.....: 001619	

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER
Date Sampled...: 03/30/04 08:55 **Date Received..:** 03/31/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4C310150-002 **Prep Batch #...:** 4092100									
Arsenic									
	ND	2.0	1.8	mg/L	91		SW846 6010B	04/01/04	GC8V91A1
	ND	2.0	1.8	mg/L	91	0.33	SW846 6010B	04/01/04	GC8V91A2
			Dilution Factor: 1						
			Analysis Time..: 23:03		Instrument ID..: I5			Analyst ID.....: 001619	
Chromium									
	0.0064	0.20	0.19	mg/L	92		SW846 6010B	04/01/04	GC8V91A5
	0.0064	0.20	0.19	mg/L	92	0.01	SW846 6010B	04/01/04	GC8V91A6
			Dilution Factor: 1						
			Analysis Time..: 23:03		Instrument ID..: I5			Analyst ID.....: 001619	
Nickel									
	ND	0.50	0.46	mg/L	91		SW846 6010B	04/01/04	GC8V91CN
	ND	0.50	0.46	mg/L	91	0.01	SW846 6010B	04/01/04	GC8V91CP
			Dilution Factor: 1						
			Analysis Time..: 23:03		Instrument ID..: I5			Analyst ID.....: 001619	

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER
Date Sampled...: 03/30/04 08:44 **Date Received..:** 04/01/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4D010269-002 **Prep Batch #...:** 4093101							
Chromium	102	(75 - 125)			SW846 6010B	04/02/04	GDC441CJ
	101	(75 - 125)	0.43	(0-20)	SW846 6010B	04/02/04	GDC441CK

Dilution Factor: 1
Analysis Time..: 20:36 Instrument ID..: I5 Analyst ID.....: 001644

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER
Date Sampled...: 03/30/04 08:44 **Date Received..:** 04/01/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4D010269-002 **Prep Batch #...:** 4093101									
Chromium									
	0.028	0.20	0.23	mg/L	102		SW846 6010B	04/02/04	GDC441CJ
	0.028	0.20	0.23	mg/L	101	0.43	SW846 6010B	04/02/04	GDC441CK

Dilution Factor: 1
Analysis Time..: 20:36 Instrument ID..: I5 Analyst ID.....: 001644

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: 4C30268 **Matrix.....:** WG
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4C300268-001 **Prep Batch #...:** 4091096							
Arsenic	108	(75 - 125)			SW846 6010B	03/31-04/02/04	GC7F21AJ
	106	(75 - 125)	1.6	(0-20)	SW846 6010B	03/31-04/02/04	GC7F21AK
		Dilution Factor: 1					
		Analysis Time..: 20:27			Instrument ID..: I6	Analyst ID.....: 001637	
Chromium	108	(75 - 125)			SW846 6010B	03/31-04/02/04	GC7F21AM
	106	(75 - 125)	2.2	(0-20)	SW846 6010B	03/31-04/02/04	GC7F21AN
		Dilution Factor: 1					
		Analysis Time..: 20:27			Instrument ID..: I6	Analyst ID.....: 001637	
Nickel	108	(75 - 125)			SW846 6010B	03/31-04/02/04	GC7F21AQ
	106	(75 - 125)	2.0	(0-20)	SW846 6010B	03/31-04/02/04	GC7F21AR
		Dilution Factor: 1					
		Analysis Time..: 20:27			Instrument ID..: I6	Analyst ID.....: 001637	

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: 4C30268 **Matrix.....:** WG
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4C300268-001 **Prep Batch #...:** 4091096									
Arsenic									
	ND	2.0	2.2	mg/L	108		SW846 6010B	03/31-04/02/04	GC7F21AJ
	ND	2.0	2.1	mg/L	106	1.6	SW846 6010B	03/31-04/02/04	GC7F21AK
			Dilution Factor: 1						
			Analysis Time..: 20:27		Instrument ID..: I6			Analyst ID.....: 001637	
Chromium									
	ND	0.20	0.22	mg/L	108		SW846 6010B	03/31-04/02/04	GC7F21AM
	ND	0.20	0.21	mg/L	106	2.2	SW846 6010B	03/31-04/02/04	GC7F21AN
			Dilution Factor: 1						
			Analysis Time..: 20:27		Instrument ID..: I6			Analyst ID.....: 001637	
Nickel									
	0.064	0.50	0.60	mg/L	108		SW846 6010B	03/31-04/02/04	GC7F21AQ
	0.064	0.50	0.59	mg/L	106	2.0	SW846 6010B	03/31-04/02/04	GC7F21AR
			Dilution Factor: 1						
			Analysis Time..: 20:27		Instrument ID..: I6			Analyst ID.....: 001637	

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER
Date Sampled...: 03/30/04 08:44 **Date Received..:** 04/01/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4D010269-002 **Prep Batch #...:** 4093101							
Arsenic	100	(75 - 125)			SW846 6010B	04/02/04	GDC441EQ
	100	(75 - 125)	0.47	(0-20)	SW846 6010B	04/02/04	GDC441ER
		Dilution Factor: 1					
		Analysis Time..: 20:36			Instrument ID..: I5	Analyst ID.....: 001644	
Nickel	96	(75 - 125)			SW846 6010B	04/02/04	GDC441EU
	95	(75 - 125)	0.22	(0-20)	SW846 6010B	04/02/04	GDC441EV
		Dilution Factor: 1					
		Analysis Time..: 20:36			Instrument ID..: I5	Analyst ID.....: 001644	

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER
Date Sampled...: 03/30/04 08:44 **Date Received..:** 04/01/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4D010269-002 **Prep Batch #...:** 4093101									
Arsenic									
	ND	2.0	2.0	mg/L	100		SW846 6010B	04/02/04	GDC441EQ
	ND	2.0	2.0	mg/L	100	0.47	SW846 6010B	04/02/04	GDC441ER
			Dilution Factor: 1						
			Analysis Time..: 20:36		Instrument ID..: I5			Analyst ID.....: 001644	
Nickel									
	0.050	0.50	0.53	mg/L	96		SW846 6010B	04/02/04	GDC441EU
	0.050	0.50	0.53	mg/L	95	0.22	SW846 6010B	04/02/04	GDC441EV
			Dilution Factor: 1						
			Analysis Time..: 20:36		Instrument ID..: I5			Analyst ID.....: 001644	

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A4C310000-096 **Prep Batch #...:** 4091096					
Arsenic	96	(80 - 120)	SW846 6010B	03/31-04/02/04	GC8HA1AL
		Dilution Factor: 1	Analysis Time..: 19:56	Analyst ID.....: 001637	
		Instrument ID..: I6			
Chromium	97	(80 - 120)	SW846 6010B	03/31-04/02/04	GC8HA1AM
		Dilution Factor: 1	Analysis Time..: 19:56	Analyst ID.....: 001637	
		Instrument ID..: I6			
Nickel	99	(80 - 120)	SW846 6010B	03/31-04/02/04	GC8HA1AN
		Dilution Factor: 1	Analysis Time..: 19:56	Analyst ID.....: 001637	
		Instrument ID..: I6			
LCS Lot-Sample#: A4D010000-100 **Prep Batch #...:** 4092100					
Arsenic	92	(80 - 120)	SW846 6010B	04/01/04	GDAL21AR
		Dilution Factor: 1	Analysis Time..: 22:24	Analyst ID.....: 001619	
		Instrument ID..: I5			
Chromium	93	(80 - 120)	SW846 6010B	04/01/04	GDAL21AU
		Dilution Factor: 1	Analysis Time..: 22:24	Analyst ID.....: 001619	
		Instrument ID..: I5			
Nickel	92	(80 - 120)	SW846 6010B	04/01/04	GDAL21A4
		Dilution Factor: 1	Analysis Time..: 22:24	Analyst ID.....: 001619	
		Instrument ID..: I5			
LCS Lot-Sample#: A4D020000-101 **Prep Batch #...:** 4093101					
Chromium	93	(80 - 120)	SW846 6010B	04/02/04	GDD7W1AG
		Dilution Factor: 1	Analysis Time..: 19:29	Analyst ID.....: 001644	
		Instrument ID..: I5			
Arsenic	92	(80 - 120)	SW846 6010B	04/02/04	GDD7W1DK
		Dilution Factor: 1	Analysis Time..: 19:29	Analyst ID.....: 001644	
		Instrument ID..: I5			
Nickel	88	(80 - 120)	SW846 6010B	04/02/04	GDD7W1DL
		Dilution Factor: 1	Analysis Time..: 19:29	Analyst ID.....: 001644	
		Instrument ID..: I5			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A4C310000-096 **Prep Batch #...:** 4091096							
Arsenic	2.0	1.9	mg/L	96	SW846 6010B	03/31-04/02/04	GC8HA1AL
			Dilution Factor: 1		Analysis Time..: 19:56	Analyst ID.....: 001637	
			Instrument ID..: I6				
Chromium	0.20	0.19	mg/L	97	SW846 6010B	03/31-04/02/04	GC8HA1AM
			Dilution Factor: 1		Analysis Time..: 19:56	Analyst ID.....: 001637	
			Instrument ID..: I6				
Nickel	0.50	0.49	mg/L	99	SW846 6010B	03/31-04/02/04	GC8HA1AN
			Dilution Factor: 1		Analysis Time..: 19:56	Analyst ID.....: 001637	
			Instrument ID..: I6				
LCS Lot-Sample#: A4D010000-100 **Prep Batch #...:** 4092100							
Arsenic	2.0	1.8	mg/L	92	SW846 6010B	04/01/04	GDAL21AR
			Dilution Factor: 1		Analysis Time..: 22:24	Analyst ID.....: 001619	
			Instrument ID..: I5				
Chromium	0.20	0.18	mg/L	93	SW846 6010B	04/01/04	GDAL21AU
			Dilution Factor: 1		Analysis Time..: 22:24	Analyst ID.....: 001619	
			Instrument ID..: I5				
Nickel	0.50	0.46	mg/L	92	SW846 6010B	04/01/04	GDAL21A4
			Dilution Factor: 1		Analysis Time..: 22:24	Analyst ID.....: 001619	
			Instrument ID..: I5				
LCS Lot-Sample#: A4D020000-101 **Prep Batch #...:** 4093101							
Chromium	0.20	0.19	mg/L	93	SW846 6010B	04/02/04	GDD7W1AG
			Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001644	
			Instrument ID..: I5				
Arsenic	2.0	1.8	mg/L	92	SW846 6010B	04/02/04	GDD7W1DK
			Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001644	
			Instrument ID..: I5				
Nickel	0.50	0.44	mg/L	88	SW846 6010B	04/02/04	GDD7W1DL
			Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001644	
			Instrument ID..: I5				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A4C310000-096 **Prep Batch #...:** 4091096					
Arsenic	96	(80 - 120)	SW846 6010B	03/31-04/02/04	GC8HA1AH
		Dilution Factor: 1	Analysis Time..: 19:56	Analyst ID.....: 001637	
		Instrument ID..: I6			
Chromium	97	(80 - 120)	SW846 6010B	03/31-04/02/04	GC8HA1AJ
		Dilution Factor: 1	Analysis Time..: 19:56	Analyst ID.....: 001637	
		Instrument ID..: I6			
Nickel	99	(80 - 120)	SW846 6010B	03/31-04/02/04	GC8HA1AK
		Dilution Factor: 1	Analysis Time..: 19:56	Analyst ID.....: 001637	
		Instrument ID..: I6			
LCS Lot-Sample#: A4D010000-100 **Prep Batch #...:** 4092100					
Arsenic	92	(80 - 120)	SW846 6010B	04/01/04	GDAL21CU
		Dilution Factor: 1	Analysis Time..: 22:24	Analyst ID.....: 001619	
		Instrument ID..: I5			
Chromium	93	(80 - 120)	SW846 6010B	04/01/04	GDAL21CV
		Dilution Factor: 1	Analysis Time..: 22:24	Analyst ID.....: 001619	
		Instrument ID..: I5			
Nickel	92	(80 - 120)	SW846 6010B	04/01/04	GDAL21CW
		Dilution Factor: 1	Analysis Time..: 22:24	Analyst ID.....: 001619	
		Instrument ID..: I5			
LCS Lot-Sample#: A4D020000-101 **Prep Batch #...:** 4093101					
Arsenic	92	(80 - 120)	SW846 6010B	04/02/04	GDD7W1DG
		Dilution Factor: 1	Analysis Time..: 19:29	Analyst ID.....: 001644	
		Instrument ID..: I5			
Chromium	93	(80 - 120)	SW846 6010B	04/02/04	GDD7W1DH
		Dilution Factor: 1	Analysis Time..: 19:29	Analyst ID.....: 001644	
		Instrument ID..: I5			
Nickel	88	(80 - 120)	SW846 6010B	04/02/04	GDD7W1DJ
		Dilution Factor: 1	Analysis Time..: 19:29	Analyst ID.....: 001644	
		Instrument ID..: I5			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A4C310000-096 **Prep Batch #...:** 4091096							
Arsenic	2.0	1.9	mg/L	96	SW846 6010B	03/31-04/02/04	GC8HA1AH
			Dilution Factor: 1		Analysis Time..: 19:56	Analyst ID.....: 001637	
			Instrument ID..: I6				
Chromium	0.20	0.19	mg/L	97	SW846 6010B	03/31-04/02/04	GC8HA1AJ
			Dilution Factor: 1		Analysis Time..: 19:56	Analyst ID.....: 001637	
			Instrument ID..: I6				
Nickel	0.50	0.49	mg/L	99	SW846 6010B	03/31-04/02/04	GC8HA1AK
			Dilution Factor: 1		Analysis Time..: 19:56	Analyst ID.....: 001637	
			Instrument ID..: I6				
LCS Lot-Sample#: A4D010000-100 **Prep Batch #...:** 4092100							
Arsenic	2.0	1.8	mg/L	92	SW846 6010B	04/01/04	GDAL21CU
			Dilution Factor: 1		Analysis Time..: 22:24	Analyst ID.....: 001619	
			Instrument ID..: I5				
Chromium	0.20	0.18	mg/L	93	SW846 6010B	04/01/04	GDAL21CV
			Dilution Factor: 1		Analysis Time..: 22:24	Analyst ID.....: 001619	
			Instrument ID..: I5				
Nickel	0.50	0.46	mg/L	92	SW846 6010B	04/01/04	GDAL21CW
			Dilution Factor: 1		Analysis Time..: 22:24	Analyst ID.....: 001619	
			Instrument ID..: I5				
LCS Lot-Sample#: A4D020000-101 **Prep Batch #...:** 4093101							
Arsenic	2.0	1.8	mg/L	92	SW846 6010B	04/02/04	GDD7W1DG
			Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001644	
			Instrument ID..: I5				
Chromium	0.20	0.19	mg/L	93	SW846 6010B	04/02/04	GDD7W1DH
			Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001644	
			Instrument ID..: I5				
Nickel	0.50	0.44	mg/L	88	SW846 6010B	04/02/04	GDD7W1DJ
			Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001644	
			Instrument ID..: I5				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #

NOTE(S):

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

STL North Canton

Metals Data Reporting Form

Serial Dilution RPD Report

Serial Dilution Sample ID: GC9XGL

Original Sample ID: GC9XG **Client ID:** P-1/033004

Matrix: Water **Units:** ug/L **Prep Date:** 4/1/2004 **Prep Batch:** 4092100

Weight: NA **Volume:** NA **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	Serial Dilution Conc	Q	Percent Diff	OS DF	Ser Dil DF	Instr	OS Anal Date	OS Anal Time	Ser Dil Anal Date	Ser Dil Anal Time
Arsenic	189.042	2.4	B	8.0	U		1	5	ICPST	4/1/2004	23:59	4/2/2004	0:04
Chromium	267.716	7.6		7.8	B		1	5	ICPST	4/1/2004	23:59	4/2/2004	0:04
Nickel	231.604	9.7	B	9.2	B		1	5	ICPST	4/1/2004	23:59	4/2/2004	0:04

Comments:

5.21.0

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 9 Equivalent

STL North Canton

Metals Data Reporting Form

Serial Dilution RPD Report

Serial Dilution Sample ID: GDDMNFL

Original Sample ID: GDDMNF **Client ID:** MW-23/033104

Matrix: Water **Units:** ug/L **Prep Date:** 4/2/2004 **Prep Batch:** 4093101

Weight: NA **Volume:** NA **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	Serial Dilution Conc	Q	Percent Diff	OS DF	Ser Dil DF	Instr	OS Anal Date	OS Anal Time	Ser Dil Anal Date	Ser Dil Anal Time
Arsenic	189.042	3.1	B	8.0	U		1	5	ICPST	4/2/2004	21:57	4/2/2004	22:01
Chromium	267.716	0.79	U	4.0	U		1	5	ICPST	4/2/2004	21:57	4/2/2004	22:01
Nickel	231.604	1.3	U	6.5	U		1	5	ICPST	4/2/2004	21:57	4/2/2004	22:01

Comments:

5.21.0

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 9 Equivalent

STL North Canton

Metals Data Reporting Form

Serial Dilution RPD Report

Serial Dilution Sample ID: GC7F2L

Original Sample ID: GC7F2 **Client ID:** MW44/032904

Matrix: Water **Units:** ug/L **Prep Date:** 3/31/2004 **Prep Batch:** 4091096

Weight: NA **Volume:** NA **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	Serial Dilution Conc	Q	Percent Diff	OS DF	Ser Dil DF	Instr	OS Anal Date	OS Anal Time	Ser Dil Anal Date	Ser Dil Anal Time
Arsenic	189.042	2.6	U	13.0	U		1	5	ICPST	4/2/2004	20:02	4/2/2004	20:07
Chromium	267.716	13.1		14.7	B		1	5	ICPST	4/2/2004	20:02	4/2/2004	20:07
Nickel	231.604	50.2		50.2	B	0.1	1	5	ICPST	4/2/2004	20:02	4/2/2004	20:07

Comments:

5.21.0

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 9 Equivalent

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: ICPST-I5 **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Arsenic	189.042	10.0	1.6	7/7/2003
Chromium	267.716	5.0	0.79	7/7/2003
Nickel	231.604	40.0	1.3	7/7/2003

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: ICPST-I6 **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Arsenic	189.042	10.0	2.6	1/8/2004
Chromium	267.716	5.0	0.85	1/8/2004
Nickel	231.604	40.0	1.0	1/8/2004

STL North Canton

Metals Data Reporting Form

Inter-Element Correction Factors

Instrument: ICPST-I5 **Date of IEC's:** 1/6/2004

Interfering Element	Wavelength /Mass	Correction Factor(s)
Aluminum	308.215	Cd(0.000005), Pb(-0.00001533), Sb(-0.00000667), Se(0.00000333), Tl(-0.00002), Zn(0.000011)
Chromium	267.716	As(-0.00236), Fe(0.001539), Sb(0.00933533), Tl(0.000317)
Copper	324.753	Pb(0.00016), Zn(0.000686)
Iron	271.441	As(0.000006), Cd(0.000092), Mn(0.000006), Mo(-0.00001), Pb(0.000057), Sb(0.000026), Se(-0.00019333), Tl(-0.00008), V(0.000027), Zn(0.000106)
Manganese	257.61	Ag(0.000126), Al(0.001466), Mg(-0.00193), Pb(0.00005733), Se(0.00068033), Tl(-0.00015)
Molybdenum	202.03	Al(0.014498), As(-0.00155), Cu(0.00058), Fe(0.002719), Pb(-0.00079), Sb(-0.00524333), V(-0.00077)
Nickel	231.604	Cd(0.000027), Co(0.00022), Pb(0.00018667), Sb(-0.00306667), Zn(0.004876)
Titanium	334.941	Be(-0.0016)
Vanadium	292.402	Al(0.033923), Be(0.000262), Cr(0.000165), Cu(-0.00024), Fe(0.011236), Pb(-0.00016667), Sb(-0.00009333), Tl(0.002281)

STL North Canton

Metals Data Reporting Form

Inter-Element Correction Factors

Instrument: ICPST-I6 **Date of IEC's:** 1/7/2004

Interfering Element	Wavelength /Mass	Correction Factor(s)
Aluminum	308.215	Pb(-0.000076257), Se(-0.000002664), Zn(0.000016)
Chromium	267.716	As(-0.00397), Fe(0.00222), Sb(0.010107216), Tl(0.000307)
Copper	324.753	Pb(0.000023976), Zn(0.000806)
Iron	271.441	As(-0.00001), Cd(0.000095), Cr(0.000004), Mn(0.000002), Pb(0.000046287), Sb(0.00001998), Se(-0.00014985), Tl(-0.00002), V(0.000028), Zn(0.000088)
Manganese	257.61	Ag(0.00015), Se(0.00050616), Tl(-0.00601)
Molybdenum	202.03	Al(0.014736), As(-0.00027), Cr(-0.0001), Cu(0.000493), Fe(0.00273), Pb(-0.0005994), Sb(-0.00286713), V(-0.00341)
Nickel	231.604	Cd(-0.00002), Co(0.000204), Pb(0.000135864), Sb(-0.00010323), Zn(0.005054)
Vanadium	292.402	Al(-0.00197), Be(0.00012), Cr(0.00024), Cu(-0.0003), Fe(0.009254), Pb(-0.00019314), Sb(-0.004256406), Tl(0.002622)

STL North Canton

Metals Data Reporting Form

Linear Dynamic Ranges

Instrument: ICPST-I5 **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Arsenic	189.04	10000	1/6/2004
Chromium	267.72	50000	1/6/2004
Nickel	231.60	50000	1/6/2004

STL North Canton

Metals Data Reporting Form

Linear Dynamic Ranges

Instrument: ICPST-I6 **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Arsenic	189.04	10000	1/7/2004
Chromium	267.72	50000	1/7/2004
Nickel	231.60	50000	1/7/2004

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Batch Number 4091096

Initials UPM/KU

Prep Date: 3/31/04

Due Date: 2004/04/19

Lot	Work Order				ICP Weight	ICPMS Weight	Hg Weight
A4C310000 Water	GC8HA Total	B	Due Date:	/ / 0 SDG:			
A4C310000 Water	GC8HA Dissolved	B	Due Date:	/ / 0 SDG:			
A4C310000 Water	GC8HA Total	C	Due Date:	/ / 0 SDG:			
A4C310000 Water	GC8HA Dissolved	C	Due Date:	/ / 0 SDG:			
A4C300268 Water	GC7F2 Total		Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7F2 Dissolved		Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7F2 Dissolved	D	Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7F2 Total	D	Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7F2 Dissolved	S	Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7F2 Total	S	Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GH Total		Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GH Dissolved		Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GK Total		Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GK Dissolved		Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GL Dissolved		Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GL Total		Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GM Dissolved		Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GM Total		Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GN Dissolved		Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GN Total		Due Date:	4/19/04 SDG: 4C30268			

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Batch Number 4091096

Initials UPm/Ku

Prep Date: 3/31/04

Due Date: 2004/04/19

Lot	Work Order			ICP Weight	ICPMS Weight	Hg Weight
A4C300268 Water	GC7GP Total	Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GP Dissolved	Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GV Total	Due Date:	4/19/04 SDG: 4C30268			
A4C300268 Water	GC7GV Dissolved	Due Date:	4/19/04 SDG: 4C30268			

LEVEL 2

BLANK AND CHECK STANDARD ON BATCH	✓
MS/MSD AND PDS ON BATCH	✓
CURVE PREPARED FOR Hg	
CORRECT SPIKES ADDED	✓
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG	✓

Comments:

B - BLANK ; C - CHECK SAMPLE ; L - CHECK SAMPLE DUPLICATE ; P - SERIAL DILUTION ; S - MATRIX SPIKE SAMPLE ; D - MATRIX SPIKE DUPLICATE SAMPLE

ICP ELEMENTS WITHIN THE BATCH:

AS CR NI

ICPMS ELEMENTS WITHIN THE BATCH:

MS/MSD 1: GC7F2	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD2:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD3:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
LCS/LCSD : GC8HA	ICP-1	ICP-2A			Hg	Ag	ICPMS-1	ICPMS-2
STANDARD NUMBERS	4B121							

Prep Method(s): SW846 3005A

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Batch Number 4092100

Initials CPM/KU

Prep Date: 4/01/04

Due Date: 2004/04/02

Lot	Work Order				ICP Weight	ICPMS Weight	Hg Weight
A4D010000	GDAL2	B	Due Date:	/ / 0			
Water	Total			SDG:			
A4D010000	GDAL2	B	Due Date:	/ / 0			
Water	Dissolved			SDG:			
A4D010000	GDAL2	C	Due Date:	/ / 0			
Water	Dissolved			SDG:			
A4D010000	GDAL2	C	Due Date:	/ / 0			
Water	Total			SDG:			
A4C310145	GC8VR		Due Date:	4/02/04			
Water	Total			SDG:			
A4C310160	GC8XK		Due Date:	4/07/04			
Water	Total			SDG:			
A4C310171	GC82M		Due Date:	4/12/04			
Water	Total			SDG:			
A4C310171	GC82T		Due Date:	4/12/04			
Water	Total			SDG:			
A4C310223	GC9DJ		Due Date:	4/13/04			
Water	Total			SDG:			
A4C310223	GC9DM		Due Date:	4/13/04			
Water	Total			SDG:			
A4C310150	GC8V9		Due Date:	4/14/04			
Water	Total			SDG:			
A4C310150	GC8V9	D	Due Date:	4/14/04			
Water	Total			SDG:			
A4C310150	GC8V9	S	Due Date:	4/14/04			
Water	Total			SDG:			
A4C310246	GC9JG		Due Date:	4/14/04			
Water	Total			SDG:			
A4C310296	GC91R		Due Date:	4/14/04			
Water	Total			SDG: 4C31296			
A4C310296	GC969		Due Date:	4/14/04			
Water	Total			SDG: 4C31296			
A4C310291	GC9XC		Due Date:	4/20/04			
Water	Total			SDG: 4C30268			
A4C310291	GC9XC		Due Date:	4/20/04			
Water	Dissolved			SDG: 4C30268			
A4C310291	GC9XE		Due Date:	4/20/04			
Water	Total			SDG: 4C30268			
A4C310291	GC9XE		Due Date:	4/20/04			
Water	Dissolved			SDG: 4C30268			

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Batch Number 4092100

Initials UM/KU

Prep Date: 4/01/04

Due Date: 2004/04/02

Lot	Work Order			ICP Weight	ICPMS Weight	Hg Weight
A4C310291	GC9XG	Due Date:	4/20/04			
Water	Dissolved		SDG: 4C30268			
A4C310291	GC9XG	Due Date:	4/20/04			
Water	Total		SDG: 4C30268			

LEVEL 2

BLANK AND CHECK STANDARD ON BATCH	✓
MS/MSD AND PDS ON BATCH	✓
CURVE PREPARED FOR Hg	
CORRECT SPIKES ADDED	✓
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG	✓

Comments:

B - BLANK ; C - CHECK SAMPLE ; L - CHECK SAMPLE DUPLICATE ; P - SERIAL DILUTION ; S - MATRIX SPIKE SAMPLE ; D - MATRIX SPIKE DUPLICATE SAMPLE

ICP ELEMENTS WITHIN THE BATCH:

AG AS BE CD CR CU FE MN NI PB SB SE TL ZN

ICPMS ELEMENTS WITHIN THE BATCH:

MS/MSD 1: GC8V9	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD2:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD3:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
LCS/LCSD : GDAL2	ICP-1	ICP-2A			Hg	Ag	ICPMS-1	ICPMS-2
STANDARD NUMBERS	4B121					4C172		

Prep Method(s): MCAWW 200.7,SW846 3005A

Batch Number 4093101

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Initials LPM

Prep Date: 4/02/04

Due Date: 2004/04/06

Lot	Work Order				ICP Weight	ICPMS Weight	Hg Weight
A4D020000 Water	GDD7W Total	B	Due Date:	/ / 0 SDG:			
A4D020000 Water	GDD7W Dissolved	B	Due Date:	/ / 0 SDG:			
A4D020000 Water	GDD7W Total	C	Due Date:	/ / 0 SDG:			
A4D020000 Water	GDD7W Dissolved	C	Due Date:	/ / 0 SDG:			
A4D010144 Water	GDA01 Total		Due Date:	4/06/04 SDG:			
A4D010200 Water	GDCHH Total		Due Date:	4/12/04 SDG:			
A4D010243 Water	GDCVQ Total		Due Date:	4/14/04 SDG:			
A4D010261 Water	GDC1W Total		Due Date:	4/15/04 SDG:			
A4D010261 Water	GDC17 Total		Due Date:	4/15/04 SDG:			
A4D010261 Water	GDC19 Total		Due Date:	4/15/04 SDG:			
A4D010263 Water	GDC2K Dissolved		Due Date:	4/15/04 SDG:			
A4D010265 Water	GDC24 Dissolved		Due Date:	4/15/04 SDG:			
A4D010269 Water	GDC31 Total		Due Date:	4/15/04 SDG:			
A4D010269 Water	GDC44 Total		Due Date:	4/15/04 SDG:			
A4D010269 Water	GDC44 Dissolved *spike		Due Date:	4/15/04 SDG:			
A4D010269 Water	GDC44 Dissolved *spike	D	Due Date:	4/15/04 SDG:			
A4D010269 Water	GDC44 Total	D	Due Date:	4/15/04 SDG:			
A4D010269 Water	GDC44 Dissolved *spike	S	Due Date:	4/15/04 SDG:			
A4D010269 Water	GDC44 Total	S	Due Date:	4/15/04 SDG:			
A4D010269 Water	GDC5E Total		Due Date:	4/15/04 SDG:			

Batch Number 4093101

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Initials VM

Prep Date: 4/02/04

Due Date: 2004/04/06

Lot	Work Order				ICP Weight	ICPMS Weight	Hg Weight
A4D010269	GDC5K	Due Date:	4/15/04				
Water	Total		SDG:				
A4D010269	GDC5V	Due Date:	4/15/04				
Water	Total		SDG:				
A4D010269	GDC5X	Due Date:	4/15/04				
Water	Total		SDG:				
A4D010269	GDC51	Due Date:	4/15/04				
Water	Total		SDG:				
A4D010269	GDC52	Due Date:	4/15/04				
Water	Total		SDG:				
A4D010333	GDDMJ	Due Date:	4/21/04				
Water	Dissolved		SDG:	4C30268			
A4D010333	GDDMJ	Due Date:	4/21/04				
Water	Total		SDG:	4C30268			
A4D010333	GDDMN	Due Date:	4/21/04				
Water	Dissolved		SDG:	4C30268			
A4D010333	GDDMN	Due Date:	4/21/04				
Water	Total		SDG:	4C30268			

Batch Number 4093101

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Initials VM

Prep Date: 4/02/04

Due Date: 2004/04/06

Lot	Work Order	ICP Weight	ICPMS Weight	Hg Weight
	LEVEL 2			
	BLANK AND CHECK STANDARD ON BATCH		✓	
	MS/MSD AND PDS ON BATCH		✓	
	CURVE PREPARED FOR Hg			
	CORRECT SPIKES ADDED		✓	
	SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG		✓	

Comments:

B - BLANK ; C - CHECK SAMPLE ; L - CHECK SAMPLE DUPLICATE ; P - SERIAL DILUTION ; S - MATRIX SPIKE SAMPLE ; D - MATRIX SPIKE DUPLICATE SAMPLE

ICP ELEMENTS WITHIN THE BATCH:

AS BE CA CD CR CU FE KX MG MN NA NI PB ZN

ICPMS ELEMENTS WITHIN THE BATCH:

MS/MSD 1: GDC44	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD2:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD3:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
LCS/LCSD : GDD7W	ICP-1	ICP-2A			Hg	Ag	ICPMS-1	ICPMS-2
STANDARD NUMBERS	4B121	4D192						

Prep Method(s): MCAWW 200.7,SW846 3005A

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:       Instrument Upload                                    Run Log - Page  1 :
:       Started Mon Apr  5 08:40:05 2004 by WILLIAML                           :
:       Data File: UPL$CAN_DATA_ROOT:<TJA>I50401A.ARC;1                        :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	STD1	1	01-APR-2004	14:03:00			I5
2	CALSTD	1	01-APR-2004	14:08:00			I5
3	CAL	1	01-APR-2004	14:13:00			I5
4	ICV	1	01-APR-2004	14:17:00			I5
5	STD1	1	01-APR-2004	14:27:00			I5
6	CALSTD	1	01-APR-2004	14:31:00			I5
7	CAL	1	01-APR-2004	14:36:00			I5
8	ICV	1	01-APR-2004	14:40:00			I5
9	ICB	1	01-APR-2004	14:46:00			I5
10	CRI	MRL	01-APR-2004	14:51:00			I5
11	ICSA	1	01-APR-2004	14:56:00			I5
12	ICSAB	1	01-APR-2004	15:01:00			I5
13	CCV	1	01-APR-2004	15:08:00			I5
14	CCB	1	01-APR-2004	15:14:00			I5
15	GC42R	1	01-APR-2004	15:19:00	4090108	A4C290143	I5
16	GC42R	1	01-APR-2004	15:24:00	4090108	A4C290143	I5
17	GC421	1	01-APR-2004	15:30:00	4090108	A4C290143	I5
18	GC421	4	01-APR-2004	15:34:00	4090108	A4C290143	I5
19	GC43C	1	01-APR-2004	15:40:00	4090108	A4C290143	I5
20	GC7FH	2	01-APR-2004	15:45:00			I5
21	GC7DKS	2	01-APR-2004	15:50:00			I5
22	GC8G6B	1	01-APR-2004	15:56:00	4091094	A4C310000	I5
23	GC8G6C	1	01-APR-2004	16:01:00	4091094	A4C310000	I5
24	GCWT2	1	01-APR-2004	16:07:00	4091094	RCRAQ14B	I5
25	CCV	1	01-APR-2004	16:13:00			I5
26	CCB	1	01-APR-2004	16:19:00			I5
27	GCWT2L	1	01-APR-2004	16:24:00			I5
28	GCWT2X	1	01-APR-2004	16:29:00	4091094	RCRAQ14B	I5
29	GCWT2S	1	01-APR-2004	16:33:00	4091094	RCRAQ14B	I5
30	GCWT2D	1	01-APR-2004	16:38:00	4091094	RCRAQ14B	I5
31	GCWT6	1	01-APR-2004	16:44:00	4091094	RCRAQ14B	I5
32	GCWT8	1	01-APR-2004	16:49:00	4091094	RCRAQ14B	I5
33	GCWT9	1	01-APR-2004	16:54:00	4091094	RCRAQ14B	I5
34	GCWVA	1	01-APR-2004	16:58:00	4091094	RCRAQ14B	I5
35	GCWVAF	1	01-APR-2004	17:03:00	4091094	RCRAQ14B	I5
36	GCWVF	1	01-APR-2004	17:14:00	4091094	RCRAQ14B	I5
37	CCV	1	01-APR-2004	17:20:00			I5
38	CCB	1	01-APR-2004	17:27:00			I5
39	GCWVK	1	01-APR-2004	17:31:00	4091094	RCRAQ14B	I5
40	GCWVL	1	01-APR-2004	17:36:00	4091094	RCRAQ14B	I5
41	GCWVP	1	01-APR-2004	17:41:00	4091094	RCRAQ14B	I5
42	GCWVQ	1	01-APR-2004	17:46:00	4091094	RCRAQ14B	I5
43	GC8G8B	1	01-APR-2004	17:52:00	4091095	A4C310000	I5
44	GC8G8C	1	01-APR-2004	17:56:00	4091095	A4C310000	I5

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:       Instrument Upload                                   Run Log - Page  2 :
:       Started Mon Apr  5 08:40:05 2004 by WILLIAML                          :
:       Data File: UPL$CAN_DATA_ROOT:<TJA>I50401A.ARC;1                       :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	GC0XE	1	01-APR-2004	18:02:00	4091095	RCRAQ14B	I5
46	GC0XEL	1	01-APR-2004	18:07:00			I5
47	GC0XM	1	01-APR-2004	18:12:00	4091095	RCRAQ14B	I5
48	GC0XN	1	01-APR-2004	18:17:00	4091095	RCRAQ14B	I5
49	CCV	1	01-APR-2004	18:23:00			I5
50	CCB	1	01-APR-2004	18:29:00			I5
51	GC0XP	1	01-APR-2004	18:34:00	4091095	RCRAQ14B	I5
52	GC0XT	1	01-APR-2004	18:39:00	4091095	RCRAQ14B	I5
53	GC0XW	1	01-APR-2004	18:44:00	4091095	RCRAQ14B	I5
54	GC0X1	1	01-APR-2004	18:48:00	4091095	RCRAQ14B	I5
55	GC0X3	1	01-APR-2004	18:53:00	4091095	RCRAQ14B	I5
56	GC0X4	1	01-APR-2004	18:58:00	4091095	RCRAQ14B	I5
57	GC0X7	1	01-APR-2004	19:03:00	4091095	RCRAQ14B	I5
58	GC0X7X	1	01-APR-2004	19:07:00	4091095	RCRAQ14B	I5
59	GC0X7S	1	01-APR-2004	19:12:00	4091095	RCRAQ14B	I5
60	GC0X7D	1	01-APR-2004	19:17:00	4091095	RCRAQ14B	I5
61	CCV	1	01-APR-2004	19:24:00			I5
62	CCB	1	01-APR-2004	19:31:00			I5
63	GC00A	1	01-APR-2004	19:36:00	4091095	RCRAQ14B	I5
64	GC00E	1	01-APR-2004	19:40:00	4091095	RCRAQ14B	I5
65	GDAMNB	1	01-APR-2004	19:47:00	4092105	A4D010000	I5
66	GDAMNC	1	01-APR-2004	19:52:00	4092105	A4D010000	I5
67	GDAMNL	1	01-APR-2004	19:56:00	4092105	A4D010000	I5
68	GC9PH	1	01-APR-2004	20:02:00	4092105	A4C310264	I5
69	GC9PHL	1	01-APR-2004	20:07:00			I5
70	GC9PX	1	01-APR-2004	20:12:00	4092105	A4C310264	I5
71	GDAW5B	1	01-APR-2004	20:19:00			I5
72	GDAW5C	1	01-APR-2004	20:23:00			I5
73	CCV	1	01-APR-2004	20:29:00			I5
74	CCB	1	01-APR-2004	20:35:00			I5
75	GDAW2	1	01-APR-2004	20:40:00			I5
76	GDAW2L	1	01-APR-2004	20:45:00			I5
77	GDAW2S	1	01-APR-2004	20:50:00			I5
78	GDAW2D	1	01-APR-2004	20:54:00			I5
79	CRI	MRL	01-APR-2004	21:02:00			I5
80	CCV	1	01-APR-2004	21:07:00			I5
81	CCB	1	01-APR-2004	21:13:00			I5
82	CCV	1	01-APR-2004	22:08:00			I5
83	CCB	1	01-APR-2004	22:15:00			I5
84	GDAL2B	1	01-APR-2004	22:19:00			I5
85	GDAL2C	1	01-APR-2004	22:24:00			I5
86	GC8VR	1	01-APR-2004	22:29:00			I5
87	GC8XK	1	01-APR-2004	22:34:00			I5
88	GC82M	1	01-APR-2004	22:39:00			I5

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:       Instrument Upload                                    Run Log - Page  3 :
:       Started Mon Apr  5 08:40:05 2004 by WILLIAML                           :
:       Data File: UPL$CAN_DATA_ROOT:<TJA>I50401A.ARC;1                        :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	GC82T	1	01-APR-2004	22:44:00			I5
90	GC9DJ	5	01-APR-2004	22:49:00			I5
91	GC9DM	2	01-APR-2004	22:53:00			I5
92	GC8V9	1	01-APR-2004	22:58:00			I5
93	GC8V9S	1	01-APR-2004	23:03:00			I5
94	CCV	1	01-APR-2004	23:09:00			I5
95	CCB	1	01-APR-2004	23:16:00			I5
96	GC8V9D	1	01-APR-2004	23:21:00			I5
97	GC9JG	1	01-APR-2004	23:26:00			I5
98	GC91R	1	01-APR-2004	23:31:00			I5
99	GC969	1	01-APR-2004	23:36:00			I5
100	GC9XC	1	01-APR-2004	23:40:00			I5
101	GC9XCF	1	01-APR-2004	23:45:00			I5
102	GC9XE	1	01-APR-2004	23:50:00			I5
103	GC9XEF	1	01-APR-2004	23:55:00			I5
104	GC9XG	1	01-APR-2004	23:59:00			I5
105	GC9XGL	1	02-APR-2004	00:04:00			I5
106	CCV	1	02-APR-2004	00:11:00			I5
107	CCB	1	02-APR-2004	00:17:00			I5
108	GC9XGF	1	02-APR-2004	00:22:00			I5
109	GDAL7B	1	02-APR-2004	00:29:00	4092102	A4D010000	I5
110	GDAL7C	1	02-APR-2004	00:34:00	4092102	A4D010000	I5
111	GC893	1	02-APR-2004	00:40:00	4092102	A4C310211	I5
112	GC893S	1	02-APR-2004	00:44:00	4092102	A4C310211	I5
113	GC893D	1	02-APR-2004	00:49:00	4092102	A4C310211	I5
114	GC896	1	02-APR-2004	00:54:00	4092102	A4C310211	I5
115	GC898	1	02-APR-2004	00:59:00	4092102	A4C310211	I5
116	GC9AD	1	02-APR-2004	01:04:00	4092102	A4C310211	I5
117	GC9AH	1	02-APR-2004	01:09:00	4092102	A4C310211	I5
118	CCV	1	02-APR-2004	01:15:00			I5
119	CCB	1	02-APR-2004	01:22:00			I5
120	GC9AK	1	02-APR-2004	01:27:00	4092102	A4C310211	I5
121	GC9AN	1	02-APR-2004	01:32:00	4092102	A4C310211	I5
122	GC9AT	1	02-APR-2004	01:36:00	4092102	A4C310211	I5
123	GC9A4	1	02-APR-2004	01:41:00	4092102	A4C310211	I5
124	GC9A7	1	02-APR-2004	01:46:00	4092102	A4C310211	I5
125	GC9A9	1	02-APR-2004	01:51:00	4092102	A4C310211	I5
126	GC9CD	1	02-APR-2004	01:55:00	4092102	A4C310211	I5
127	GC9FP	1	02-APR-2004	02:00:00	4092102	4C30240	I5
128	GC9V8	1	02-APR-2004	02:05:00	4092102	4C31284	I5
129	GC9WC	1	02-APR-2004	02:10:00	4092102	4C31284	I5
130	CCV	1	02-APR-2004	02:16:00			I5
131	CCB	1	02-APR-2004	02:23:00			I5
132	GC9WD	1	02-APR-2004	02:28:00	4092102	4C31284	I5

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
133	GC9WDL	1	02-APR-2004	02:32:00			I5
134	GDAM6B	1	02-APR-2004	02:40:00	4092110	A4D010000	I5
135	GDAM6C	1	02-APR-2004	02:44:00	4092110	A4D010000	I5
136	GC5DK	1	02-APR-2004	02:50:00	4092110	A4C290179	I5
137	GC5DKS	1	02-APR-2004	02:54:00	4092110	A4C290179	I5
138	GC5DKD	1	02-APR-2004	02:59:00	4092110	A4C290179	I5
139	GC5EV	1	02-APR-2004	03:05:00	4092110	A4C290179	I5
140	GC5EX	1	02-APR-2004	03:09:00	4092110	A4C290179	I5
141	GC5E1	1	02-APR-2004	03:14:00	4092110	A4C290179	I5
142	CCV	1	02-APR-2004	03:21:00			I5
143	CCB	1	02-APR-2004	03:28:00			I5
144	GC5E2	1	02-APR-2004	03:33:00	4092110	A4C290179	I5
145	GC5E3	1	02-APR-2004	03:38:00	4092110	A4C290179	I5
146	GC5E7	1	02-APR-2004	03:42:00	4092110	A4C290179	I5
147	GC5E7L	1	02-APR-2004	03:47:00			I5
148	GC5E7S	1	02-APR-2004	03:52:00	4092110	A4C290179	I5
149	GC5E7D	1	02-APR-2004	03:57:00	4092110	A4C290179	I5
150	GDAMWB	1	02-APR-2004	04:04:00			I5
151	GDAMWC	1	02-APR-2004	04:09:00			I5
152	GC9QP	1	02-APR-2004	04:14:00	4092107	A4C310268	I5
153	GC89T	1	02-APR-2004	04:19:00	4092107	A4C310211	I5
154	CCV	1	02-APR-2004	04:26:00			I5
155	CCB	1	02-APR-2004	04:33:00			I5
156	GC89TS	1	02-APR-2004	04:37:00	4092107	A4C310211	I5
157	GC89TD	1	02-APR-2004	04:42:00	4092107	A4C310211	I5
158	GC89W	1	02-APR-2004	04:48:00	4092107	A4C310211	I5
159	GC892	1	02-APR-2004	04:52:00	4092107	A4C310211	I5
160	GC90Q	1	02-APR-2004	04:57:00			I5
161	GC963	1	02-APR-2004	05:02:00			I5
162	GC963L	1	02-APR-2004	05:07:00			I5
163	GCWVAF	1	02-APR-2004	05:11:00	4091094	RCRAQ14B	I5
164	GC0X7	5	02-APR-2004	05:16:00	4091095	RCRAQ14B	I5
165	GC0X7X	5	02-APR-2004	05:21:00	4091095	RCRAQ14B	I5
166	CCV	1	02-APR-2004	05:28:00			I5
167	CCB	1	02-APR-2004	05:35:00			I5
168	GC0X7S	5	02-APR-2004	05:40:00	4091095	RCRAQ14B	I5
169	GC0X7D	5	02-APR-2004	05:44:00	4091095	RCRAQ14B	I5
170	GC00A	20	02-APR-2004	05:50:00	4091095	RCRAQ14B	I5
171	CRI	MRL	02-APR-2004	05:57:00			I5
172	CCV	1	02-APR-2004	06:02:00			I5
173	CCB	1	02-APR-2004	06:09:00			I5
174	CCV	1	02-APR-2004	09:19:00			I5
175	CCB	1	02-APR-2004	09:26:00			I5
176	CCV	1	02-APR-2004	09:41:00			I5

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:       Instrument Upload                                   Run Log - Page  5 :
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178	Z	1	02-APR-2004	09:52:00			I5
179	CCV	1	02-APR-2004	10:42:00			I5
180	CCB	1	02-APR-2004	10:49:00			I5
181	GC5DK	1	02-APR-2004	10:53:00	4092110	A4C290179	I5
182	GC5EX	1	02-APR-2004	10:58:00	4092110	A4C290179	I5
183	GDAL4B	1	02-APR-2004	11:04:00	4092101	A4D010000	I5
184	GDAL4C	1	02-APR-2004	11:09:00	4092101	A4D010000	I5
185	GC81D	1	02-APR-2004	11:15:00	4092101	A4C310165	I5
186	GC81DS	1	02-APR-2004	11:20:00	4092101	A4C310165	I5
187	GC81DD	1	02-APR-2004	11:24:00	4092101	A4C310165	I5
188	GC81H	1	02-APR-2004	11:30:00	4092101	A4C310165	I5
189	GC8W9	1	02-APR-2004	11:35:00	4092101	A4C310155	I5
190	GC89P	1	02-APR-2004	11:40:00	4092101	4C31205	I5
191	CCV	1	02-APR-2004	11:47:00			I5
192	CCB	1	02-APR-2004	11:53:00			I5
193	GC9CA	1	02-APR-2004	11:58:00	4092101	4C31205	I5
194	GC9CM	1	02-APR-2004	12:03:00	4092101	4C31205	I5
195	GC9CT	1	02-APR-2004	12:07:00	4092101	4C31205	I5
196	GC9H6	1	02-APR-2004	12:12:00	4092101	4C30193	I5
197	GC9NL	1	02-APR-2004	12:17:00	4092101	A4C310258	I5
198	GC9PF	1	02-APR-2004	12:22:00	4092101	A4C310258	I5
199	GC9PK	1	02-APR-2004	12:26:00	4092101	A4C310258	I5
200	GC9PQ	1	02-APR-2004	12:31:00	4092101	A4C310258	I5
201	GC9PV	1	02-APR-2004	12:36:00	4092101	A4C310258	I5
202	GC9PW	1	02-APR-2004	12:41:00	4092101	A4C310258	I5
203	CCV	1	02-APR-2004	12:47:00			I5
204	CCB	1	02-APR-2004	12:54:00			I5
205	GC9P0	1	02-APR-2004	12:59:00	4092101	A4C310258	I5
206	GC9P2	1	02-APR-2004	13:03:00	4092101	A4C310258	I5
207	GC9P6	1	02-APR-2004	13:08:00	4092101	A4C310258	I5
208	GC9P7	1	02-APR-2004	13:13:00	4092101	A4C310258	I5
209	GC9P8	1	02-APR-2004	13:18:00	4092101	A4C310258	I5
210	GC9P9	1	02-APR-2004	13:23:00	4092101	A4C310258	I5
211	GC9P9L	1	02-APR-2004	13:27:00			I5
212	GC8HHB	1	02-APR-2004	13:33:00	4091099	A4C310000	I5
213	GC8HHC	1	02-APR-2004	13:38:00	4091099	A4C310000	I5
214	GC6EP	1	02-APR-2004	13:44:00	4091099	4C29117	I5
215	CCV	1	02-APR-2004	13:51:00			I5
216	CCB	1	02-APR-2004	13:57:00			I5
217	GC6EPS	1	02-APR-2004	14:02:00	4091099	4C29117	I5
218	GC6EPD	1	02-APR-2004	14:07:00	4091099	4C29117	I5
219	GC6FN	1	02-APR-2004	14:13:00	4091099	4C29117	I5
220	GC6GK	1	02-APR-2004	14:18:00	4091099	4C29117	I5

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
221	GC6GR	1	02-APR-2004	14:22:00	4091099	4C29117	I5
222	GC6G3	1	02-APR-2004	14:27:00	4091099	4C29117	I5
223	GC6G4	1	02-APR-2004	14:32:00	4091099	4C29117	I5
224	GC6G6	1	02-APR-2004	14:37:00	4091099	4C29117	I5
225	GC6G8	1	02-APR-2004	14:41:00	4091099	4C29117	I5
226	GC6G9	1	02-APR-2004	14:46:00	4091099	4C29117	I5
227	CCV	1	02-APR-2004	14:53:00			I5
228	CCB	1	02-APR-2004	14:59:00			I5
229	GC6HA	1	02-APR-2004	15:36:00	4091099	4C29117	I5
230	GC6HD	1	02-APR-2004	15:41:00	4091099	4C29117	I5
231	GC6HF	1	02-APR-2004	15:46:00	4091099	4C29117	I5
232	GC6HQ	1	02-APR-2004	15:51:00	4091099	4C29117	I5
233	GC6HX	1	02-APR-2004	15:55:00	4091099	4C29117	I5
234	GC6H2	1	02-APR-2004	16:00:00	4091099	4C29117	I5
235	GC6H6	1	02-APR-2004	16:05:00	4091099	4C29117	I5
236	GC6H6L	1	02-APR-2004	16:10:00			I5
237	GC9P9	1	02-APR-2004	16:16:00	4092101	A4C310258	I5
238	GDC49BE	1	02-APR-2004	16:22:00	4093109	A4D010000	I5
239	CCV	1	02-APR-2004	16:28:00			I5
240	CCB	1	02-APR-2004	16:35:00			I5
241	GDD8FBE	1	02-APR-2004	16:40:00	4093109	A4D020000	I5
242	GDD8FCE	1	02-APR-2004	16:44:00	4093109	A4D020000	I5
243	GANNEE	1	02-APR-2004	16:50:00	4093109	A4C050130	I5
244	GANNEEL	1	02-APR-2004	16:55:00			I5
245	GANNEES	5	02-APR-2004	17:00:00	4093109	A4C050130	I5
246	GANNEED	5	02-APR-2004	17:05:00	4093109	A4C050130	I5
247	GC9MJBT	1	02-APR-2004	17:11:00	4093107	A4C310000	I5
248	GDD8ABT	1	02-APR-2004	17:16:00	4093107	A4D020000	I5
249	GDD8ACT	1	02-APR-2004	17:20:00	4093107	A4D020000	I5
250	GCTJAT	1	02-APR-2004	17:26:00	4093107	4C24229	I5
251	CCV	1	02-APR-2004	17:33:00			I5
252	CCB	1	02-APR-2004	17:39:00			I5
253	GCTJDT	1	02-APR-2004	17:44:00	4093107	4C24229	I5
254	GCTJFT	1	02-APR-2004	17:49:00	4093107	4C24229	I5
255	GCTJFTL	1	02-APR-2004	17:54:00			I5
256	GCTJFTS	5	02-APR-2004	17:59:00	4093107	4C24229	I5
257	GCTJFTD	5	02-APR-2004	18:03:00	4093107	4C24229	I5
258	GC83JT	1	02-APR-2004	18:09:00	4093107	A4C310180	I5
259	GC9KNBT	1	02-APR-2004	18:15:00	4093106	A4C310000	I5
260	GDD78BT	1	02-APR-2004	18:20:00	4093106	A4D020000	I5
261	GDD78CT	1	02-APR-2004	18:25:00	4093106	A4D020000	I5
262	GCTH8T	1	02-APR-2004	18:31:00	4093106	4C24229	I5
263	CCV	1	02-APR-2004	18:37:00			I5
264	CCB	1	02-APR-2004	18:44:00			I5

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265	GCTJCT	1	02-APR-2004	18:49:00	4093106	4C24229	I5
266	GCTJET	1	02-APR-2004	18:54:00	4093106	4C24229	I5
267	GCTJETL	1	02-APR-2004	18:58:00			I5
268	GCTJETS	5	02-APR-2004	19:03:00	4093106	4C24229	I5
269	GCTJETD	5	02-APR-2004	19:08:00	4093106	4C24229	I5
270	GCWFHT	1	02-APR-2004	19:14:00	4093106	4C25199	I5
271	GC3NRT	1	02-APR-2004	19:19:00	4093106	4C24193	I5
272	GDD7WB	1	02-APR-2004	19:25:00	4093101	A4D020000	I5
273	GDD7WC	1	02-APR-2004	19:29:00	4093101	A4D020000	I5
274	GDA01	1	02-APR-2004	19:35:00	4093101	A4D010144	I5
275	CCV	1	02-APR-2004	19:42:00			I5
276	CCB	1	02-APR-2004	19:49:00			I5
277	GDCHH	1	02-APR-2004	19:53:00	4093101	A4D010200	I5
278	GDCVQ	1	02-APR-2004	19:58:00	4093101	A4D010243	I5
279	GDC1W	1	02-APR-2004	20:03:00	4093101	A4D010261	I5
280	GDC17	1	02-APR-2004	20:08:00	4093101	A4D010261	I5
281	GDC19	1	02-APR-2004	20:13:00	4093101	A4D010261	I5
282	GDC2KF	1	02-APR-2004	20:17:00	4093101	A4D010263	I5
283	GDC24F	1	02-APR-2004	20:22:00	4093101	A4D010265	I5
284	GDC31	1	02-APR-2004	20:27:00	4093101	A4D010269	I5
285	GDC44	1	02-APR-2004	20:32:00	4093101	A4D010269	I5
286	GDC44S	1	02-APR-2004	20:36:00	4093101	A4D010269	I5
287	CCV	1	02-APR-2004	20:43:00			I5
288	CCB	1	02-APR-2004	20:50:00			I5
289	GDC44D	1	02-APR-2004	20:54:00	4093101	A4D010269	I5
290	GDC5E	1	02-APR-2004	21:00:00	4093101	A4D010269	I5
291	GDC5K	1	02-APR-2004	21:05:00	4093101	A4D010269	I5
292	GDC5V	1	02-APR-2004	21:10:00	4093101	A4D010269	I5
293	GDC5X	1	02-APR-2004	21:15:00	4093101	A4D010269	I5
294	GDC51	1	02-APR-2004	21:19:00	4093101	A4D010269	I5
295	GDC52	1	02-APR-2004	21:24:00	4093101	A4D010269	I5
296	GDDMJ	1	02-APR-2004	21:29:00	4093101	4C30268	I5
297	GDDMJF	1	02-APR-2004	21:34:00	4093101	4C30268	I5
298	GDDMN	1	02-APR-2004	21:39:00	4093101	4C30268	I5
299	CCV	1	02-APR-2004	21:45:00			I5
300	CCB	1	02-APR-2004	21:52:00			I5
301	GDDMNF	1	02-APR-2004	21:57:00	4093101	4C30268	I5
302	GDDMNFL	1	02-APR-2004	22:01:00			I5
303	~~CRI~~ 22222 04074	MRL cup empty	02-APR-2004	22:07:00			I5
304	CCV	1	02-APR-2004	22:13:00			I5
305	CCB	1	02-APR-2004	22:20:00			I5

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:       Instrument Upload                                   Run Log - Page  1 :
:       Started Mon Apr  5 05:43:54 2004 by COUNTSK                           :
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1	S0	1	02-APR-2004	10:24:00			I6
2	CALSTD	1	02-APR-2004	10:29:00			I6
3	CAL	1	02-APR-2004	10:33:00			I6
4	S100	1	02-APR-2004	10:37:00			I6
5	ICV	1	02-APR-2004	10:40:00			I6
6	ICB	1	02-APR-2004	10:46:00			I6
7	~~CRI\MRL~~	1	02-APR-2004	10:51:00			I6
8	S0	1	02-APR-2004	12:17:00			I6
9	CALSTD	1	02-APR-2004	12:22:00			I6
10	CAL	1	02-APR-2004	12:27:00			I6
11	S100	1	02-APR-2004	12:30:00			I6
12	ICV	1	02-APR-2004	12:34:00			I6
13	ICB	1	02-APR-2004	12:40:00			I6
14	CRI\MRL	1	02-APR-2004	12:45:00			I6
15	CALSTD	1	02-APR-2004	12:50:00			I6
16	CAL	1	02-APR-2004	12:55:00			I6
17	S100	1	02-APR-2004	13:00:00			I6
18	ICSA	1	02-APR-2004	13:06:00			I6
19	ICSAB	1	02-APR-2004	13:27:00			I6
20	CCV	1	02-APR-2004	13:32:00			I6
21	CCB	1	02-APR-2004	13:38:00			I6
22	GC358B	1	02-APR-2004	13:49:00	4089096	A4C290000	I6
23	GC358C	1	02-APR-2004	13:54:00	4089096	A4C290000	I6
24	GC0N8	1	02-APR-2004	13:59:00	4089096	A4C260113	I6
25	GC0PA	1	02-APR-2004	14:03:00	4089096	A4C260115	I6
26	GCXDT	5	02-APR-2004	14:09:00	4086106	A4C250298	I6
27	GCXDX	5	02-APR-2004	14:13:00	4086106	A4C250298	I6
28	GCXD0	5	02-APR-2004	14:18:00	4086106	A4C250298	I6
29	ICSA	1	02-APR-2004	14:24:00			I6
30	ICSAB	1	02-APR-2004	14:29:00			I6
31	CCV	1	02-APR-2004	14:34:00			I6
32	CCB	1	02-APR-2004	14:40:00			I6
33	GC8H4B	1	02-APR-2004	14:45:00	4091110	A4C310000	I6
34	GC8H4C	1	02-APR-2004	14:50:00	4091110	A4C310000	I6
35	GC3DD	5	02-APR-2004	14:55:00	4091110	4C27115	I6
36	GC3DE	1	02-APR-2004	15:00:00	4091110	4C27115	I6
37	GC3DF	1	02-APR-2004	15:04:00	4091110	4C27115	I6
38	GC3DG	2	02-APR-2004	15:09:00	4091110	4C27115	I6
39	GC3DH	1	02-APR-2004	15:14:00	4091110	4C27115	I6
40	GC3DJ	1	02-APR-2004	15:19:00	4091110	4C27115	I6
41	GC7AC	1	02-APR-2004	15:24:00	4091110	4C30240	I6
42	GC7AK	1	02-APR-2004	15:28:00	4091110	4C30240	I6
43	CCV	1	02-APR-2004	15:33:00			I6
44	CCB	1	02-APR-2004	15:39:00			I6

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45	GC7AL	1	02-APR-2004	15:44:00	4091110	4C30240	I6
46	GC7X1	1	02-APR-2004	15:49:00	4091110	A4C300310	I6
47	GC7X1L	1	02-APR-2004	15:54:00			I6
48	GC7X7	1	02-APR-2004	15:59:00	4091110	A4C300310	I6
49	GC7X8	1	02-APR-2004	16:06:00	4091110	A4C300310	I6
50	GC7X9	1	02-APR-2004	16:11:00	4091110	A4C300310	I6
51	GC70A	1	02-APR-2004	16:16:00	4091110	A4C300310	I6
52	GC70C	1	02-APR-2004	16:21:00	4091110	A4C300310	I6
53	GC70E	1	02-APR-2004	16:26:00	4091110	A4C300310	I6
54	GC70ES	1	02-APR-2004	16:31:00	4091110	A4C300310	I6
55	CCV	1	02-APR-2004	16:35:00			I6
56	CCB	1	02-APR-2004	16:42:00			I6
57	GC70ED	1	02-APR-2004	16:46:00	4091110	A4C300310	I6
58	GC70G	1	02-APR-2004	17:00:00	4091110	A4C300310	I6
59	GC8HKB	1	02-APR-2004	17:06:00	4091100	A4C310000	I6
60	GC8HKC	1	02-APR-2004	17:11:00	4091100	A4C310000	I6
61	GC7ED	1	02-APR-2004	17:16:00	4091100	A4C300255	I6
62	GC7EDL	1	02-APR-2004	17:21:00			I6
63	GC7EDS	1	02-APR-2004	17:25:00	4091100	A4C300255	I6
64	GC7EDD	1	02-APR-2004	17:30:00	4091100	A4C300255	I6
65	GC7EH	1	02-APR-2004	17:35:00	4091100	A4C300255	I6
66	GC7EK	1	02-APR-2004	17:40:00	4091100	A4C300255	I6
67	CCV	1	02-APR-2004	17:45:00			I6
68	CCB	1	02-APR-2004	17:51:00			I6
69	GC7EQ	1	02-APR-2004	17:56:00	4091100	A4C300255	I6
70	GC7ET	1	02-APR-2004	18:01:00	4091100	A4C300255	I6
71	GC4HD	1	02-APR-2004	18:05:00	4091100	4C29117	I6
72	GC4HR	1	02-APR-2004	18:10:00	4091100	4C29117	I6
73	GC7HG	1	02-APR-2004	18:15:00	4091100	4C30274	I6
74	GC7HL	1	02-APR-2004	18:20:00	4091100	4C30274	I6
75	GC8H6B	1	02-APR-2004	18:26:00	4091111	A4C310000	I6
76	GC8H6C	1	02-APR-2004	18:30:00	4091111	A4C310000	I6
77	GC7DP	1	02-APR-2004	18:35:00	4091111	4C30257	I6
78	GC7DPS	1	02-APR-2004	18:40:00	4091111	4C30257	I6
79	CCV	1	02-APR-2004	18:45:00			I6
80	CCB	1	02-APR-2004	18:51:00			I6
81	GC7DPD	1	02-APR-2004	18:56:00	4091111	4C30257	I6
82	GC7E9	1	02-APR-2004	19:01:00	4091111	4C30257	I6
83	GC7FG	1	02-APR-2004	19:05:00	4091111	4C30257	I6
84	GC7FW	2	02-APR-2004	19:10:00	4091111	4C30257	I6
85	GC7J3	2	02-APR-2004	19:15:00	4091111	4C30257	I6
86	GC7KJ	5	02-APR-2004	19:20:00	4091111	4C30257	I6
87	GCTPDT	5	02-APR-2004	19:25:00	4092095	A4C240252	I6
88	GC3DG	2	02-APR-2004	19:30:00	4091110	4C27115	I6

---------- (continued) ----------

```
-----------------------------------------------------------------------------
:       Instrument Upload                                   Run Log - Page  3 :
:       Started Mon Apr  5 05:43:54 2004 by COUNTSK                           :
:       Data File: UPL$CAN_DATA_ROOT:<TJA>I60402A.ARC;1                       :
-----------------------------------------------------------------------------
```

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	GC3DD	5	02-APR-2004	19:35:00	4091110	4C27115	I6
90	CCV	1	02-APR-2004	19:41:00			I6
91	CCB	1	02-APR-2004	19:47:00			I6
92	GC8HAB	1	02-APR-2004	19:52:00	4091096	A4C310000	I6
93	GC8HAC	1	02-APR-2004	19:56:00	4091096	A4C310000	I6
94	GC7F2	1	02-APR-2004	20:02:00	4091096	4C30268	I6
95	GC7F2L	1	02-APR-2004	20:07:00			I6
96	GC7F2S	1	02-APR-2004	20:12:00	4091096	4C30268	I6
97	GC7F2D	1	02-APR-2004	20:17:00	4091096	4C30268	I6
98	GC7F2F	1	02-APR-2004	20:22:00	4091096	4C30268	I6
99	GC7F2FS	1	02-APR-2004	20:27:00	4091096	4C30268	I6
100	GC7F2FD	1	02-APR-2004	20:32:00	4091096	4C30268	I6
101	GC7GH	1	02-APR-2004	20:37:00	4091096	4C30268	I6
102	CCV	1	02-APR-2004	20:43:00			I6
103	CCB	1	02-APR-2004	20:49:00			I6
104	GC7GHF	1	02-APR-2004	20:53:00	4091096	4C30268	I6
105	GC7GK	1	02-APR-2004	20:58:00	4091096	4C30268	I6
106	GC7GKF	1	02-APR-2004	21:03:00	4091096	4C30268	I6
107	GC7GL	1	02-APR-2004	21:08:00	4091096	4C30268	I6
108	GC7GLF	1	02-APR-2004	21:13:00	4091096	4C30268	I6
109	GC7GM	1	02-APR-2004	21:18:00	4091096	4C30268	I6
110	GC7GMF	1	02-APR-2004	21:23:00	4091096	4C30268	I6
111	GC7GN	1	02-APR-2004	21:27:00	4091096	4C30268	I6
112	GC7GNF	1	02-APR-2004	21:32:00	4091096	4C30268	I6
113	GC7GP	1	02-APR-2004	21:37:00	4091096	4C30268	I6
114	CCV	1	02-APR-2004	21:43:00			I6
115	CCB	1	02-APR-2004	21:49:00			I6
116	GC7GPF	1	02-APR-2004	21:54:00	4091096	4C30268	I6
117	GC7GV	1	02-APR-2004	21:59:00	4091096	4C30268	I6
118	GC7GVF	1	02-APR-2004	22:04:00	4091096	4C30268	I6
119	CRI\MRL	1	02-APR-2004	22:11:00			I6
120	CCV	1	02-APR-2004	22:16:00			I6
121	CCB	1	02-APR-2004	22:22:00			I6

---------- End of Report ----------

INSTRUMENT PRINTOUTS

SCAL	STD 4B117	ICSA	STD 4C151	CAL1/CRI	STD —
SCAL2	STD 4C162	ICSAB	STD 4C162	CAL2 (2X)- CAL3	STD —
CRI	STD 4C177	ICV	STD 4C145	SCAL (2X)- CAL 2	STD —
CLP CRI	STD —	CCV	STD 4C171	ICSAB 4.0	STD —

STL North Canton ICP Data Review Checklist

expanded RCRAQ14B

Run/Project Information:

Run Date: 4/1/04 / 4.2.04 **Analyst:** PSO / LEW **Instrument:** I5

Prep Batches Run: 4092-110 090-108 091-109 092-105 092-226 092-100 092-102 092-107 091-094 091-095 092-110

Cu/MnRatio: 0.275 091-099 092-101 093-109 093-107 093-106 093-101

Circle Methods used: (6010B / 200.7:) CORP-MT-0001 Rev 3.2
CLP ILM03.0 / ILM04.0: CORP-MT-0002 Rev 1.1
6010A/200.7: CORP-MT-0001NC, Rev 2

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions (2 exposures/sample) and at SOP specified levels ?	✓			/
2. ICV/CCV analyzed at appropriate frequency and within control limits ? *(ICV (2nd source):*200.7=95 –105%, 6010B/CLP, 90-110%) *(CCV: 90 – 110%)*	✓			/
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			/
4. High Std. (HCAL) reanalyzed before samples and recovered within QC limits ? (6010A 95-105%, CLP,6010B- N/A)			✓	/
5. CRI run at SOP or project-specific frequency? Recovered within QC limits? (6010A +/- 50%, project specific limits may vary)	✓			/
6. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			/
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?	✓			/
2. All reported results bracketed by in control QC ?	✓			/
3. Sample analyses done within holding time ?	✓			/
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			/
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			/
3. MS/MSD run at required frequency and within limits ?	✓			/
4. MSD or DU run at required frequency and RPD within SOP limits ?	✓			/
5. Serial dilution done per prep batch (or per SDG for CLP) ?	✓			/
6. Post digest spike analyzed if required?			✓	
D. Other				
1. Are all nonconformances documented appropriately ?	✓			/
2. Current IDL/MDL/LR/IEC data on file ?	✓			/
3. Calculations checked for error ?	✓			/
4. Transcriptions checked for error ?	✓			/
5. All client/project specific requirements met ?	✓			/
6. Date/time of analysis verified as correct ?	✓			/

Level I Analyst: Lary R. Williams **Date:** 4.2.04 **Time:** 14:03 – 06:09
Comments: Lary R. Williams 4.5.04 09:19 – 22:20

Level II Reviewer: [signature] **Date:** 4-2-04 **Time:** 1403-0609
Comments: Kevin L. Curtis 4-5-04 09:19-22:20

n: /metals/icpchk.doc
Revision 2.0, 07/05/01

Clouseau Nonconformance Memo

SEVERN TRENT STL

NCM #: **01-10836**
NCM Initiated By: Dorothy Leeson
Date Opened: 03/05/2004
Date Closed:

Classification: **Anomaly**
Status: **QAREVIEW**
Production Area: Metals
Tests: None
Lot #'s (Sample #'s): ,
QC Batches: None.,

Nonconformance: Other (describe in detail)
Subcategory: Other (explanation required)

Problem Description / Root Cause

Name	Date	Description
Dorothy Leeson	03/05/2004	Stock standard solutions used for ICP ICSA solutions commonly have low level contamination for certain elements, especially zinc.

Verified contamination is not corrected by interelement correction factors (IEC's) since instrumental determination of the presence of the analyte is due not to spectral interference but due to actual presence of the element in the solution. Contamination can be verified by performing a wavelength scan of the standard solution. If contamination exists, the peak apex will be directly at the expected wavelength for the element of concern. If the presence of the analyte is due to interference from another analyte which produces a peak near the element of concern, the peak apex of the interfering analyte will not be exactly at the wavelength for the element of concern, and an IEC would be generated.

If contamination for an element such as zinc is suspected, an IEC would be inappropriate, and the concentration during analysis of the daily ICSA solution may exceed SOP criteria. In these cases, this NCM will be referenced and a copy of this NCM will be included with the run.

Zinc contamination in ICSA stock solutions has been verified in this lab at various times with wavelength scans. Similarly, contamination for other elements has been verified when suspected. An example scan is included with the I6 ICP analytical run from 4/3/01.

Corrective Action

Name	Date	Corrective Action
Dorothy Leeson	03/05/2004	

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note
	Response	Response Note			

Method: TOTAL Sample Name: STD1-Blank Operator:
Run Time: 04/01/04 14:27 Filename: I50401A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	count	count	count	count	count	count
Avge	.00017	.10716	-.01074	.0044	.00026	.00837
SDev	.00062	.00085	.00765	.00038	0	.00026
%RSD	352.737	.79576	71.2626	8.64056	.15585	3.13307

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	count	count	count	count	count	count
Avge	.00445	-.00859	-.00074	.00251	.03107	-.00061
SDev	.00005	.00038	.00043	.00081	.00011	.00012
%RSD	1.24437	4.50712	58.1028	32.4017	.35645	20.0504

Elems	K	Mg	Mn	Mo	Na	Ni
Units	count	count	count	count	count	count
Avge	.01163	.00268	.00176	.00035	.00908	.00101
SDev	.00064	.00019	.00025	.00012	.00123	.00093
%RSD	5.51249	7.11062	14.2964	35.2092	13.5758	92.3208

Elems	Sn	Ti	Tl	V	Zn	2203\1
Units	count	count	count	count	count	count
Avge	.0011	0	-.03425	.00088	.00238	.02093
SDev	.0013	0	.00225	0	.00012	.00115
%RSD	118.748	0	6.57883	.15585	5.39346	5.50124

Elems	2203\2	1960\1	1960\2	2068/2	2068/1	Y_3710
Units	count	count	count	count	count	count
Avge	-.00391	-.03006	.01464	-.00017	-.00309	5
SDev	.01352	.00366	.00675	.00049	.00773	0
%RSD	345.587	12.1817	46.1439	282.376	250.185	0

Elems	*Y
Units	
Avge	11342.3
SDev	17.6777
%RSD	.15585

Method: TOTAL Sample Name: CALSTD Operator:
Run Time: 04/01/04 14:31 Filename: I50401A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	As	B	Ba	Be	Cd
Units	count	count	count	count	count	count
Avge	8.63406	4.98474	3.598	5.02314	14.8354	23.787
SDev	.00573	.00882	.01294	.01015	.00178	.01514
%RSD	.06637	.17697	.35987	.20219	.012	.06367

Elems	Co	Cr	Cu	Mn	Mo	Ni
Units	count	count	count	count	count	count
Avge	4.86809	5.37974	4.20791	15.3236	1.00122	2.43182
SDev	.00369	.00298	.00752	.02516	.01037	.00522
%RSD	.0759	.05556	.17871	.16424	1.03643	.21486

Elems	Sn	Ti	Tl	V	Zn	2203\1
Units	count	count	count	count	count	count
Avge	8.37895	3.02837	6.38284	4.49378	8.44286	3.47476
SDev	.00234	.0038	.01184	.00686	.00619	.01074
%RSD	.02795	.12557	.18556	.15265	.07341	.30931

Elems	2203\2	1960\1	1960\2	2068/2	2068/1	*Y
Units	count	count	count	count	count	
Avge	4.80965	2.25947	2.38845	.41355	4.20876	11148.4
SDev	.01973	.02243	.00078	.00008	.01093	3.95952
%RSD	.41021	.99275	.03286	.02017	.25986	.03551

Method: TOTAL Sample Name: CAL 2 Operator:
Run Time: 04/01/04 14:36 Filename: I50401A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al	Ca	Fe	K	Mg	Na
Units	count	count	count	count	count	count
Avge	10.856	6.65306	4.63236	13.4582	16.8382	1.07395
SDev	.00224	.01723	.00588	.02964	.00839	.00249
%RSD	.02072	.25902	.12697	.22023	.04986	.23239

Elems	*Y
Units	
Avge	11091.2
SDev	1.41421
%RSD	.01275

Method: TOTAL Sample Name: ICV Operator: DEH
Run Time: 04/01/04 14:40 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.: 009064

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	494.8	12730.	252.90	957.0	985.8	1032.
SDev	2.511	63.53	1.1392	.2024	5.26	5.08
%RSD	.5075	.4992	.45046	.0211	.5336	.492

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25820.	256.6	1019.	1019.	1021.	12740.
SDev	104.6	1.188	3.363	2.875	5.439	58.91
%RSD	.4051	.4629	.3302	.282	.5329	.4626

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23750.	24410.	1014.	1001.	24580.	1009.
SDev	102.5	140	3.934	.4513	67.08	6.388
%RSD	.4316	.5738	.3878	.0451	.2729	.6333

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	257.05	261.04	250.11	1049.	998.3	512.21
SDev	1.4744	1.5008	.76025	6.555	3.658	4.9414
%RSD	.57357	.57491	.30396	.6251	.3664	.96471

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	993.0	1015.	256.30	263.41	256.63	257.25
SDev	5.221	7.028	1.2762	1.6128	1.5832	1.42
%RSD	.5258	.6926	.49793	.61229	.61692	.55199

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	252.91	248.71	5.0000	11251.3
SDev	1.2943	1.786	0	38.8909
%RSD	.51175	.71808	0	.34565

Method: TOTAL Sample Name: ICB Operator: DEH
Run Time: 04/01/04 14:46 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.: 009064

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7355	10.35	.93742	1.101	.2457	.3789
SDev	.087	4.267	.79774	.8729	.1491	.1689
%RSD	11.82	41.21	85.1	79.29	60.69	44.58

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.25	.0645	.0362	.5568	-.0482	3.327
SDev	4.722	.0941	.3071	.4647	.0127	3.368
%RSD	35.64	145.9	847.7	83.46	26.22	101.2

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	180.5	7.590	.2300	.7047	-95.69	-.5092
SDev	6.127	8.155	.1305	.0009	152.8	.2046
%RSD	3.394	107.4	56.74	.1223	159.7	40.19

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.4258	.90367	2.8305	1.474	.1456	.65063
SDev	4.3471	.64484	1.9936	.522	.2059	.31744
%RSD	126.89	71.358	70.431	35.41	141.4	48.789

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0781	.3169	-.88787	1.7981	2.7660	3.7552
SDev	.2222	.3881	.65032	1.2915	6.2091	3.4176
%RSD	284.6	122.4	73.245	71.823	224.48	91.01

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.1057	3.1924	5.0000	11344.4
SDev	.00264	2.9902	0	4.80818
%RSD	.12538	93.666	0	.04238

Method: TOTAL Sample Name: CRI/MRL Operator: LRW
Run Time: 04/01/04 14:51 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.788	214.9	15.350	200.4	9.964	5.185
SDev	.3489	.3283	.7711	.1719	.0001	.017
%RSD	7.287	.1527	5.0235	.0858	.0013	.3284

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5273.	5.240	5.057	5.558	15.61	310.6
SDev	4.785	.125	.2063	.0467	.2392	10.15
%RSD	.0907	2.385	4.08	.8407	1.532	3.267

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4567.	4885.	15.46	11.18	5012.	26.51
SDev	18.17	3.416	.1149	1.254	25.73	.2061
%RSD	.3979	.0699	.7432	11.21	.5133	.7776

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20.391	10.386	10.244	101.7	50.39	18.300
SDev	.81523	.26809	1.447	2.32	.0006	4.205
%RSD	3.998	2.5814	14.126	2.282	.0013	22.978

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.517	43.62	9.8241	10.666	16.241	22.464
SDev	.2797	.2065	2.0561	1.4285	2.1728	2.307
%RSD	4.291	.4734	20.929	13.392	13.379	10.27

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	10.431	10.150	5.0000	11270.3
SDev	.31262	2.3255	0	.14155
%RSD	2.997	22.911	0	.00125

Method: TOTAL Sample Name: ICSA Operator: LRW
Run Time: 04/01/04 14:56 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1732	475100.	-.17544	1.321	1.696	-.0417
SDev	.2461	91.59	1.6428	.0087	.0541	.0375
%RSD	142.1	.0193	936.36	.6558	3.189	89.97

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	482300.	.8607	3.509	1.991	2.615	192200.
SDev	633.3	.0489	.3839	.0495	.2749	138.3
%RSD	.1313	5.679	10.94	2.489	10.51	.072

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	162.3	510300.	Q14.27	-.8007	-8.313	2.966
SDev	.641	288.8	.1277	.2632	44.49	.4341
%RSD	.395	.0566	.8949	32.87	535.2	14.64

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4198	.93106	-3.8903	1.489	-7.287	8.1691
SDev	1.59	1.3553	1.0163	2.221	.2146	3.4608
%RSD	65.71	145.56	26.125	149.2	2.945	42.364

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3416	Q20.18	-10.967	6.8710	1.7363	2.7610
SDev	.1698	.174	2.1481	.95944	3.3994	.6867
%RSD	49.71	.862	19.587	13.964	195.79	24.872

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-4.6363	-3.5179	5.0000	10648.6
SDev	3.4733	.21032	0	6.78863
%RSD	74.916	5.9788	0	.06375

Method: TOTAL Sample Name: ICSAB Operator: LRW
Run Time: 04/01/04 15:01 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1033.	482000.	981.69	1006.	510.5	507.4
SDev	1.676	344.7	.89562	.6919	.0048	.6704
%RSD	.1623	.0715	.09123	.0688	.0009	.1321

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	489600.	959.3	488.5	496.0	555.6	194900.
SDev	1275	1.392	1.383	.6768	.0426	309.5
%RSD	.2604	.1451	.283	.1364	.0077	.1587

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10040.	518700.	517.4	986.6	10880.	988.9
SDev	32.18	1714	.9029	.8863	91.92	1.45
%RSD	.3205	.3303	.1745	.0898	.8445	.1466

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	979.33	995.14	996.47	949.3	1001.	970.58
SDev	1.2858	3.4931	2.7743	8.205	1.978	3.9199
%RSD	.13129	.35101	.2784	.8643	.1976	.40387

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	498.5	1055.	980.65	1002.4	981.94	978.03
SDev	.4428	.1725	4.0052	3.2373	8.7056	2.4186
%RSD	.0888	.0164	.40842	.32296	.88657	.24728

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	996.19	996.61	5.0000	10627.3
SDev	5.6559	1.3356	0	42.0017
%RSD	.56775	.13401	0	.39522

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/01/04 15:08 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1005.	25260.	507.29	5056.	2032.	2076.
SDev	.5774	1.175	.58814	15.23	2.865	.0996
%RSD	.0574	.0046	.11593	.3012	.141	.0048

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51440.	511.8	2061.	2049.	2011.	25790.
SDev	10.84	.5479	1.123	2.615	1.469	14.37
%RSD	.0211	.1071	.0545	.1276	.073	.0557

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49800.	50380.	2080.	2037.	48990.	2050.
SDev	185.2	61.14	1.444	11.35	87.33	.1293
%RSD	.3719	.1214	.0694	.5572	.1783	.0063

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.11	507.88	500.16	5107.	5065.	1022.8
SDev	2.4066	2.9886	.30495	6.475	7.382	3.5277
%RSD	.47739	.58845	.06097	.1268	.1458	.3449

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2033.	2086.	505.66	508.99	499.90	506.21
SDev	3.102	2.057	.37793	4.2928	5.8374	.69372
%RSD	.1526	.0986	.07474	.8434	1.1677	.13704

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	502.19	499.15	5.0000	11138.5
SDev	1.3022	1.1073	0	2.40443
%RSD	.25929	.22183	0	.02158

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/01/04 15:14 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2134	24.90	.13909	.3249	.3841	.4546
SDev	.187	9.718	1.3681	.8556	.148	.182
%RSD	87.61	39.02	983.56	263.3	38.54	40.04

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29.51	-.0374	.3990	.2223	.1950	15.19
SDev	9.277	.1091	.1018	.0015	.4545	8.034
%RSD	31.44	292.1	25.52	.6628	233	52.88

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	169.9	27.34	.3883	.6979	-230.9	-.1511
SDev	7.374	11.78	.0318	.9919	68.55	.7168
%RSD	4.34	43.08	8.188	142.1	29.69	474.4

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.48599	.39290	-.12474	2.829	1.016	2.8855
SDev	.56333	1.167	2.3529	.8188	.2045	.20009
%RSD	115.91	297.01	1886.2	28.94	20.13	6.9345

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1980	.5811	-.19966	.68873	-2.0556	.29763
SDev	.3871	.1195	1.1797	1.1606	3.199	2.4417
%RSD	195.4	20.56	590.86	168.51	155.62	820.38

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.84677	-.60978	5.0000	11380.1
SDev	3.5449	1.7578	0	8.0606
%RSD	418.63	288.27	0	.07083

Method: TOTAL Sample Name: GC42R Operator: LRW
Run Time: 04/01/04 15:19 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	155.3	897.9	96.124	481.2	1066.	6.200
SDev	.0316	12.69	.04213	1.457	3.87	.0118
%RSD	.0204	1.414	.04383	.3028	.3632	.1899

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.962	20.06	-.4723	57.40	844.6	181.5
SDev	1.354	.3059	.3054	.285	5.381	7.636
%RSD	34.18	1.525	64.67	.4965	.6371	4.208

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	182.3	11.05	827.0	85.31	-912.6	136.0
SDev	11.64	9.915	.4134	4.936	30.21	2.281
%RSD	6.385	89.7	.05	5.786	3.31	1.677

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	83.012	46.778	24.666	2.419	.5636	10.124
SDev	1.1764	2.0415	.34552	.6266	.7971	1.7131
%RSD	1.4172	4.3643	1.4008	25.9	141.4	16.921

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	556.9	959.0	46.693	46.821	88.412	80.316
SDev	8.496	.1886	.6008	3.3607	8.4828	2.4713
%RSD	1.526	.0197	1.2867	7.1779	9.5947	3.077

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	23.483	25.256	5.0000	11662.4
SDev	1.5288	1.2813	0	77.2162
%RSD	6.5101	5.0732	0	.66209

Method: TOTAL Sample Name: GC42R MM Operator: LRW
Run Time: 04/01/04 15:24 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	152.5	887.2	113.25	474.8	1071.	6.151
SDev	.2081	1.109	2.1053	1.346	.4715	.0192
%RSD	.1365	.125	1.859	.2835	.044	.3114

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.876	19.55	-1.021	58.69	856.1	239.6
SDev	.1693	.3671	.3137	.9317	.8601	2.18
%RSD	2.15	1.878	30.72	1.587	.1005	.91

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	170.0	-1.981	824.8	132.1	-230.5	136.5
SDev	14.33	.4023	.538	.302	88.17	1.346
%RSD	8.426	20.31	.0652	.2286	38.26	.9864

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	94.310	50.636	24.294	4.097	.0000	5.9355
SDev	1.3458	.11684	1.1715	1.812	0	1.4271
%RSD	1.427	.23074	4.8222	44.23	0	24.043

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	563.9	944.0	51.353	50.278	96.366	93.284
SDev	.7183	1.715	.83466	.24153	.71986	1.6583
%RSD	.1274	.1816	1.6254	.4804	.74701	1.7777

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	23.529	24.675	5.0000	11254.2
SDev	.55291	1.4803	0	25.4558
%RSD	2.3499	5.9991	0	.22618

Method: TOTAL Sample Name: GC421 Operator: LRW
Run Time: 04/01/04 15:30 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3199	-10.72	4.1961	19320.	.4394	-.1849
SDev	.1417	1.642	3.3973	147.4	.0505	.0421
%RSD	44.29	15.32	80.964	.7631	11.5	22.75

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-9.463	.1346	-.1962	-1.392	.1230	-7.348
SDev	2.933	.0241	.1524	.6761	.0628	4.002
%RSD	31	17.93	77.68	48.57	51.03	54.47

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22100.	-1.171	.2239	34.24	78270.	-1.316
SDev	282.3	2.215	.145	36.78	1215	.0988
%RSD	1.278	189.1	64.75	107.4	1.552	7.504

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5920	-.78874	-.84378	-.3426	.1415	3.2010
SDev	1.3234	1.2312	.6748	1.519	.2001	1.4105
%RSD	83.13	156.09	79.974	443.4	141.4	44.063

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.418	.1625	-3.8313	.73023	8.4109	-1.8123
SDev	1.264	.0911	.15282	1.7696	4.5707	.29778
%RSD	89.13	56.09	3.989	242.33	54.343	16.431

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.8261	-2.1767	5.0000	11640.5
SDev	1.2594	1.6405	0	38.8909
%RSD	68.969	75.365	0	.33409

Method: TOTAL Sample Name: GC421/4 Operator: LRW
Run Time: 04/01/04 15:34 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2142	-4.452	-.77791	4845.	.0330	-.1718
SDev	.3877	2.174	1.191	37.57	.048	.0073
%RSD	181	48.82	153.1	.7755	145.6	4.238

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.430	-.0719	-.3186	-.5036	-.1576	-5.144
SDev	.34	.3581	.0046	.0068	.3252	3.395
%RSD	23.77	498.1	1.43	1.341	206.4	65.99

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4657.	-1.939	-.0722	.3372	19550.	-.2316
SDev	65.58	3.743	.0019	.4856	381.8	.3999
%RSD	1.408	193	2.699	144	1.953	172.7

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5525	.25348	-1.4926	2.596	-.4347	1.6325
SDev	1.661	.3712	.21283	1.531	.6147	.6653
%RSD	106.99	146.44	14.259	58.95	141.4	40.754

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2003	2.473	.46049	.15012	6.0520	-.69382
SDev	.0576	.2852	.23765	.67518	.0728	2.4539
%RSD	28.77	11.53	51.609	449.73	1.2031	353.68

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.61418	-1.9311	5.0000	11435.2
SDev	.30519	.16671	0	56.8517
%RSD	49.69	8.6332	0	.49716

Method: TOTAL Sample Name: GC43C Operator: LRW
Run Time: 04/01/04 15:40 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4617	-7.163	.14471	5.918	3.719	-.2282
SDev	.3391	1.591	.38238	2.157	.1099	.0397
%RSD	73.44	22.22	264.22	36.45	2.955	17.4

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	41700.	.1750	.2608	-.7099	-.1634	-9.676
SDev	166.9	.0836	.5016	.3682	.2119	7.224
%RSD	.4003	47.74	192.3	51.86	129.7	74.66

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	150.1	12260.	.0935	.6638	-1398.	-.8840
SDev	8.871	57.7	.0177	1.951	24.88	1.312
%RSD	5.908	.4705	18.93	293.9	1.779	148.4

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.30337	-.45136	-.42545	.3910	-1.000	4.5445
SDev	.19196	.55363	1.0486	.0785	.199	.4401
%RSD	63.276	122.66	246.47	20.07	19.89	9.6845

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4760	-.3036	-4.3604	1.5002	7.8513	-4.3746
SDev	.3275	.112	.8495	1.2541	.92309	.17305
%RSD	68.8	36.89	19.482	83.596	11.757	3.9559

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.18732	-.54433	5.0000	11550.4
SDev	1.4857	.83035	0	36.4864
%RSD	793.14	152.54	0	.31588

Method: TOTAL Sample Name: GC7FH/2 Operator: LRW
Run Time: 04/01/04 15:45 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2336	31400.	19.859	110.6	457.6	3.428
SDev	.2492	17.89	.80166	.8197	.2155	.0113
%RSD	106.7	.057	4.0368	.741	.0471	.3307

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	345500.	3.578	16.37	1238.	164.2	82340.
SDev	122.7	.1344	.0009	1.39	.0269	21.31
%RSD	.0355	3.757	.0056	.1123	.0164	.0259

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3203.	63740.	19000.	30.80	1193.	52.13
SDev	7.491	24.7	30.76	.3975	120.6	1.919
%RSD	.2339	.0388	.1619	1.29	10.11	3.68

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.0278	257.43	-2.6750	21.81	1196.	-7.3719
SDev	2.2709	1.7612	.92434	.8936	.4764	.25865
%RSD	220.94	.68412	34.554	4.098	.0398	3.5086

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	133.8	337.2	252.94	259.68	-8.0669	2.4864
SDev	.4394	.5136	1.3479	1.9675	2.8542	1.9797
%RSD	.3284	.1523	.5329	.75767	35.381	79.618

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	6.4541	-7.2328	5.0000	11333.2
SDev	.84916	.96187	0	36.4864
%RSD	13.157	13.299	0	.32194

Method: TOTAL Sample Name: GC7DKS/2 Operator: LRW
Run Time: 04/01/04 15:50 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.37	15300.	912.88	425.8	952.5	22.83
SDev	.7373	16.46	.35946	.0303	1.281	.0684
%RSD	3.155	.1075	.03937	.0071	.1345	.2995

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	337900.	22.44	238.8	138.4	164.5	41210.
SDev	268.5	.1745	.311	.4969	.0471	72.4
%RSD	.0795	.7778	.1302	.3591	.0287	.1757

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25080.	104400.	1377.	415.2	23340.	254.7
SDev	68.16	137.7	2.424	1.875	2.138	.0883
%RSD	.2718	.1319	.176	.4515	.0092	.0347

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	888.11	248.56	179.01	866.4	1587.	879.23
SDev	2.0685	.14076	.75639	5.119	2.16	4.5828
%RSD	.23291	.05663	.42253	.5909	.1361	.52123

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	271.1	323.0	246.53	249.57	886.84	888.74
SDev	.7696	.817	4.325	2.3703	4.0841	1.0623
%RSD	.2838	.2529	1.7543	.94975	.46052	.11952

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	176.98	180.03	5.0000	11205.5
SDev	1.3331	.46849	0	9.75793
%RSD	.75322	.26023	0	.08708

Method: TOTAL Sample Name: GC8G6B 4091094 Operator: LRW
Run Time: 04/01/04 15:56 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4523	5.210	.41455	-.2296	.2028	-.1566
SDev	.2411	5.114	.98476	1.015	.0972	.0008
%RSD	53.32	98.15	237.55	442.1	47.95	.5132

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	133.4	.0999	-.1308	-.4215	-.2648	14.13
SDev	33.02	.0959	.1513	.409	.016	9.239
%RSD	24.75	95.93	115.7	97.04	6.054	65.37

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	156.9	27.20	1.900	.1471	-926.3	-1.242
SDev	.283	7.246	.5577	.2438	74.86	.4029
%RSD	.1804	26.64	29.36	165.7	8.081	32.43

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.8887	.09841	-1.0146	.9582	.9999	4.9163
SDev	.10125	.09414	1.8303	1.462	.2015	2.3989
%RSD	2.6038	95.662	180.4	152.5	20.15	48.795

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3997	2.396	-.96914	.63138	6.6396	2.5153
SDev	.0003	.1449	.33645	.02683	3.4036	1.5475
%RSD	.0666	6.05	34.717	4.25	51.263	61.522

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.8698	-2.4545	5.0000	11557.6
SDev	1.4602	2.0151	0	6.2224
%RSD	78.093	82.095	0	.05383

Method: TOTAL Sample Name: GC8G6C Operator: LRW
Run Time: 04/01/04 16:01 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L3.878	2126.	2050.5	976.0	2010.	52.44
SDev	.294	.9153	1.5399	1.927	1.514	.0349
%RSD	7.58	.0431	.07509	.1974	.0753	.0665

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53320.	51.70	513.0	207.5	261.8	1090.
SDev	94.74	.0968	.126	.0754	.3575	.6524
%RSD	.1777	.1873	.0246	.0364	.1365	.0598

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51710.	50850.	525.4	984.0	50940.	509.3
SDev	84.91	40.48	.3141	8.708	108.5	3.306
%RSD	.1642	.0796	.0598	.885	.213	.6492

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2125.2	519.88	524.82	2048.	1025.	2066.0
SDev	4.3633	1.6774	2.8273	1.886	1.484	7.8956
%RSD	.20531	.32265	.53872	.0921	.1449	.38217

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	505.1	526.2	516.02	521.81	2107.1	2134.2
SDev	1.192	.7941	3.3876	.82359	1.6267	5.7295
%RSD	.2359	.1509	.65648	.15783	.0772	.26846

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	525.62	524.42	5.0000	11336.4
SDev	.44038	4.019	0	14.1421
%RSD	.08378	.76638	0	.12474

Method: TOTAL Sample Name: GCWT2 Operator: LRW
Run Time: 04/01/04 16:07 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2611	4.048	278.29	2356.	126.0	-.1504
SDev	.3871	.0755	1.1173	.8399	.0824	.0537
%RSD	148.3	1.864	.40148	.0356	.0654	35.67

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	62130.	.0195	30.44	.2449	1.499	49.85
SDev	17.84	.0585	.0895	.5095	.2776	8.073
%RSD	.0287	299.3	.2941	208	18.51	16.19

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10800.	25660.	700.6	29.03	342500.	4.526
SDev	33.78	30.61	.1552	.5345	318.7	.6193
%RSD	.3127	.1193	.0222	1.841	.0931	13.68

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.3343	-1.0657	.41718	1.821	-.4333	7.0807
SDev	1.3559	.52915	1.2236	.8908	.6127	1.691
%RSD	40.666	49.655	293.31	48.91	141.4	23.882

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17.62	5.116	-3.7810	.28998	5.7781	2.1142
SDev	.0861	.2106	1.0748	.25673	3.5209	.27507
%RSD	.4885	4.116	28.427	88.535	60.935	13.011

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.30956	.78001	5.0000	11421.9
SDev	2.066	2.866	0	14.8492
%RSD	667.39	367.42	0	.13

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/01/04 16:13 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1002.	25160.	500.91	5092.	2040.	2062.
SDev	1.509	49.15	.21072	4.856	1.205	3.116
%RSD	.1506	.1954	.04206	.0954	.0591	.1511

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50920.	505.8	2043.	2037.	2007.	25560.
SDev	117	2.099	3.564	2.998	2.35	33.92
%RSD	.2297	.4151	.1745	.1471	.1171	.1327

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50500.	49800.	2105.	2011.	49120.	2012.
SDev	152.1	66.04	2.324	17.16	331	8.264
%RSD	.3012	.1326	.1104	.8537	.674	.4108

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	508.25	506.66	496.24	5037.	5060.	1013.6
SDev	1.1613	1.8999	5.9274	16.16	3.026	4.886
%RSD	.22849	.37497	1.1945	.3209	.0598	.48203

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2025.	2056.	502.62	508.68	502.05	511.35
SDev	2.675	5.053	.87231	2.4128	3.6847	.0985
%RSD	.1321	.2458	.17355	.47433	.73393	.01926

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	500.88	493.93	5.0000	11204.8
SDev	3.5205	7.1291	0	11.3137
%RSD	.70287	1.4434	0	.10097

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/01/04 16:19 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2603	3.313	-.26105	1.633	.4123	.3902
SDev	.14	6.729	1.4721	.6202	.1026	.1868
%RSD	53.78	203.1	563.9	37.98	24.89	47.87

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.533	.0666	.2572	.6198	-.5644	2.898
SDev	7.966	.0868	.4063	.4305	.4607	.0305
%RSD	105.7	130.4	157.9	69.47	81.64	1.054

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.9	14.99	.4134	2.064	-433.6	-.6027
SDev	.1171	1.699	.1831	.5178	110.2	1.306
%RSD	.0693	11.33	44.3	25.08	25.41	216.7

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0456	.46807	.32051	3.458	1.724	2.4577
SDev	3.2888	.39974	.49636	.77	.8246	.47484
%RSD	314.55	85.401	154.86	22.27	47.83	19.321

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4920	.6490	-.94754	1.1748	2.4586	.34007
SDev	.0444	.1368	.3375	.76781	4.0107	2.9283
%RSD	9.023	21.08	35.619	65.356	163.13	861.09

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.23298	.36421	5.0000	11512.5
SDev	.29359	.59759	0	88.9539
%RSD	126.01	164.08	0	.77267

Method: TOTAL Sample Name: GCWT2L Operator: LRW
Run Time: 04/01/04 16:24 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5766	9.539	55.077	465.8	25.09	.0103
SDev	.358	.3835	.1232	.211	.0017	.0052
%RSD	62.09	4.02	.22368	.0453	.0067	50.08

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12690.	-.0797	5.945	.0537	-.3850	7.556
SDev	17.51	.0713	.1936	.2342	.056	8.027
%RSD	.138	89.52	3.256	436.4	14.55	106.2

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1882.	5131.	143.1	6.647	69350.	.7819
SDev	9.712	5.65	.4161	.9756	236	.6073
%RSD	.5162	.1101	.2908	14.68	.3403	77.67

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.2124	.11571	1.4191	2.399	.4348	2.0554
SDev	1.8695	1.2544	.61068	1.103	.6148	2.8371
%RSD	154.19	1084	43.032	45.97	141.4	138.03

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.432	4.375	-.90231	.62396	-1.2749	-1.1813
SDev	.3378	.2488	1.1956	1.2838	.48898	3.047
%RSD	9.844	5.686	132.5	205.75	38.355	257.94

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.07811	2.0887	5.0000	11408.2
SDev	2.9419	2.3843	0	21.4963
%RSD	3766.2	114.16	0	.18842

Method: TOTAL Sample Name: GCWT2X Operator: LRW
Run Time: 04/01/04 16:29 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3330	4.611	278.31	2376.	126.2	-.0783
SDev	.0856	1.176	1.3275	9.255	.2655	.013
%RSD	25.69	25.5	.47697	.3895	.2103	16.59

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	62600.	.1596	30.56	.3435	1.311	45.15
SDev	164.9	.1044	.4584	.1806	.3626	1.276
%RSD	.2634	65.36	1.5	52.58	27.66	2.825

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11000.	25810.	705.6	25.73	345800.	4.529
SDev	47.1	46.36	1.612	.7891	922	.0106
%RSD	.4282	.1796	.2284	3.067	.2666	.234

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0604	-.50738	1.0701	-.6861	-.2893	4.0357
SDev	.17301	1.4921	1.4916	.8884	.0005	1.9864
%RSD	8.3972	294.07	139.39	129.5	.171	49.22

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17.71	3.159	-2.5717	.52321	8.3253	-1.0674
SDev	.2527	.0808	2.3244	1.0766	5.0165	2.7639
%RSD	1.427	2.559	90.384	205.76	60.256	258.94

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.90759	1.1513	5.0000	11414.6
SDev	.28498	2.0941	0	19.5166
%RSD	31.4	181.89	0	.17097

Method: TOTAL Sample Name: GCWT2S Operator: LRW
Run Time: 04/01/04 16:33 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.130	2187.	2333.4	3385.	2173.	51.86
SDev	.3964	8.894	11.829	15.44	13.58	.1882
%RSD	12.66	.4067	.50695	.4562	.6249	.3629

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	115000.	50.72	537.2	205.6	270.9	1239.
SDev	334.1	.3064	1.293	.5658	1.047	7.09
%RSD	.2905	.6041	.2406	.2752	.3863	.572

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	72000.	77620.	1229.	999.9	406400.	510.3
SDev	234.3	333.2	4.365	10.97	1321	.1545
%RSD	.3254	.4292	.355	1.097	.3251	.0303

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2117.9	512.15	526.23	2034.	1024.	2035.0
SDev	6.0724	1.7824	3.6754	9.633	4.209	9.1263
%RSD	.28671	.34801	.69844	.4735	.4112	.44846

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	521.3	541.3	507.05	514.70	2096.0	2128.8
SDev	2.034	3.738	.03137	2.6879	9.4215	4.4004
%RSD	.3902	.6906	.00618	.52222	.44948	.2067

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	524.30	527.19	5.0000	11351.1
SDev	1.9973	4.5132	0	28.4258
%RSD	.38095	.85608	0	.25042

Method: TOTAL Sample Name: GCWT2D Operator: LRW
Run Time: 04/01/04 16:38 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.604	2192.	2339.3	3379.	2178.	52.19
SDev	.1337	4.929	2.0412	3.248	.4656	.0436
%RSD	3.711	.2249	.08725	.0961	.0214	.0834

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	114900.	51.03	540.0	206.3	271.7	1127.
SDev	177.3	.0083	.5238	.1511	.1642	1.632
%RSD	.1543	.0163	.097	.0732	.0604	.1448

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	71770.	77820.	1228.	1008.	402500.	511.6
SDev	209.5	32.46	1.436	3.652	970.5	1.628
%RSD	.2919	.0417	.1169	.3622	.2411	.3181

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2132.4	517.43	530.01	2045.	1029.	2052.9
SDev	4.378	.64737	1.1098	3.733	2.441	3.8685
%RSD	.2053	.12511	.20939	.1825	.2372	.18844

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	524.7	538.4	510.97	520.66	2111.3	2143.0
SDev	.1194	.5517	.65248	1.2963	7.5054	2.8165
%RSD	.0228	.1025	.12769	.24898	.35548	.13142

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	529.82	530.10	5.0000	11310.5
SDev	3.378	.02252	0	9.4755
%RSD	.63757	.00424	0	.08377

Method: TOTAL Sample Name: GCWT6 Operator: LRW
Run Time: 04/01/04 16:44 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1669	15.23	24.904	1634.	101.2	-.0571
SDev	.3867	4.117	1.0421	.0277	.194	.0434
%RSD	231.7	27.04	4.1843	.0017	.1916	75.95

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	95070.	.1194	22.90	3.242	.2263	348.8
SDev	195.5	.1106	.269	.5213	.0887	5.683
%RSD	.2056	92.6	1.175	16.08	39.21	1.629

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	32350.	35850.	278.9	8.208	243800.	1.137
SDev	62.58	42.42	.2413	.7133	230.4	.2971
%RSD	.1935	.1183	.0865	8.69	.0945	26.13

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.6494	.09279	-.87383	1.403	-1.155	6.1314
SDev	2.4102	.66978	.59623	1.632	.0034	.5749
%RSD	51.839	721.81	68.232	116.3	.2944	9.3763

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.940	4.346	-3.8057	2.0391	8.5201	2.7169
SDev	.0821	.0714	1.1338	1.5702	2.2655	2.4825
%RSD	.9185	1.643	29.793	77.006	26.59	91.371

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.89506	-1.7570	5.0000	11431.4
SDev	2.9386	2.361	0	33.658
%RSD	328.31	134.38	0	.29443

Method: TOTAL Sample Name: GCWT8 Operator: LRW
Run Time: 04/01/04 16:49 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3727	9.146	26.629	403.4	38.51	-.1579
SDev	.2313	.8314	.93202	.9097	.1033	.0169
%RSD	62.06	9.091	3.5	.2255	.2681	10.7

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	143200.	.0976	15.63	3.184	-.1826	3.226
SDev	151.8	.0506	.3088	.0004	.4813	8.759
%RSD	.1061	51.88	1.976	.0116	263.5	271.5

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12600.	52050.	36.23	2.118	72960.	.4361
SDev	20.49	17.78	.0126	.0003	49.77	1.54
%RSD	.1625	.0342	.0347	.0125	.0682	353.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.7458	.16410	1.8493	.0552	-2.331	4.7441
SDev	.20472	.17535	.37277	.8939	.0002	5.1965
%RSD	2.1007	106.85	20.158	1620	.01	109.54

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.932	1.618	-4.4631	2.4742	12.916	8.1628
SDev	.3342	.0958	.14531	.33544	2.3537	.86814
%RSD	4.213	5.925	3.2559	13.558	18.222	10.635

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.42128	2.5622	5.0000	11331.6
SDev	1.1897	1.1528	0	1.13178
%RSD	282.4	44.994	0	.00998

Method: TOTAL Sample Name: GCWT9 Operator: LRW
Run Time: 04/01/04 16:54 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1950	15.64	55.633	2317.	140.0	-.1376
SDev	.0144	2.475	.48773	7.704	.1771	.0175
%RSD	7.386	15.82	.87669	.3325	.1265	12.74

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	111800.	.0729	99.20	.8824	.3035	164.3
SDev	184.9	.0237	.2222	.2804	.0335	1.209
%RSD	.1654	32.47	.224	31.77	11.04	.7359

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14070.	47120.	653.9	13.73	148000.	4.200
SDev	91.04	29.41	.6896	.4848	563.3	.5074
%RSD	.6469	.0624	.1055	3.531	.3805	12.08

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.9925	-1.2531	1.7476	.3677	-1.600	3.0777
SDev	3.266	1.6047	.72143	.5933	.6184	1.6652
%RSD	81.802	128.05	41.282	161.4	38.65	54.106

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.11	2.227	-4.4391	.33745	7.3135	2.3345
SDev	.1198	.0649	.92119	1.9459	.07804	4.9355
%RSD	1.185	2.913	20.752	576.63	1.0672	211.41

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.97956	2.1310	5.0000	11353.1
SDev	1.7748	.19553	0	9.75793
%RSD	181.19	9.1756	0	.08594

Method: TOTAL Sample Name: GCWVA Operator: LRW
Run Time: 04/01/04 16:58 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8318	641.8	65.092	2217.	133.6	-.1179
SDev	.8232	9.989	2.8213	9.136	.0192	.0143
%RSD	98.98	1.556	4.3343	.412	.0144	12.16

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	143800.	-.0150	51.26	5.085	.8992	826.7
SDev	52.29	.0166	.2257	.4593	.2789	5.548
%RSD	.0364	110.6	.4403	9.033	31.02	.6711

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14180.	62530.	3914.	22.02	174700.	16.89
SDev	64.96	44.81	1.625	2.227	389.6	.0111
%RSD	.458	.0717	.0415	10.12	.223	.0657

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.3937	.17458	.55420	-.2100	9.747	2.9089
SDev	.78913	.77401	.30162	.2224	.623	2.3066
%RSD	14.631	443.35	54.426	105.9	6.392	79.296

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.206	4.693	-4.5059	2.5113	9.9397	3.1241
SDev	.551	.0638	.42131	.9501	.16549	1.1005
%RSD	7.647	1.36	9.3502	37.833	1.665	35.226

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0105	.32641	5.0000	11349.2
SDev	.02028	.44208	0	6.78794
%RSD	2.007	135.44	0	.0598

Method: TOTAL Sample Name: GCWVAF Operator: LRW
Run Time: 04/01/04 17:03 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6167	17.66	65.796	2188.	120.9	-.0998
SDev	.0437	.2322	.46619	6.757	.0693	.0341
%RSD	7.086	1.315	.70854	.3088	.0573	34.19

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	132800.	.0582	51.44	3.938	-.0519	337.2
SDev	1.856	.0688	.0596	.4165	.2429	6.103
%RSD	.0014	118.3	.1159	10.58	468.2	1.81

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13930.	60470.	3829.	23.61	173500.	14.73
SDev	30.13	5.016	2.993	1.499	236	.6129
%RSD	.2162	.0083	.0782	6.349	.1361	4.162

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.0241	-1.1146	-.26003	.7381	-2.184	1.9180
SDev	5.9571	.04959	1.214	.819	.2055	2.0093
%RSD	84.81	4.4498	466.86	111	9.412	104.76

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.245	2.477	-4.4758	.56347	10.730	5.1737
SDev	.2794	.1513	.41647	.28228	6.7766	5.548
%RSD	4.475	6.111	9.3051	50.097	63.154	107.23

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0464	.13257	5.0000	11341.3
SDev	1.1701	2.4042	0	1.83889
%RSD	111.82	1813.5	0	.01621

Method: TOTAL Sample Name: GCWVF Operator: LRW
Run Time: 04/01/04 17:14 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2187	23.10	25.436	2203.	16.09	-.1207
SDev	.3329	.5863	.6743	14.27	.0634	.0288
%RSD	152.2	2.538	2.651	.6478	.3938	23.87

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	159500.	.0620	37.31	3.087	.4069	53.24
SDev	302.8	.0151	.3886	.3359	.3062	.1056
%RSD	.1898	24.35	1.042	10.88	75.25	.1984

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14520.	69060.	190.3	2.646	219600.	2.251
SDev	67.12	166.7	.3237	.7392	671.2	.214
%RSD	.4623	.2413	.1701	27.93	.3056	9.507

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14.301	.38043	.29849	-2.580	-1.457	2.2614
SDev	2.2621	1.491	.17514	1.343	.0032	.64588
%RSD	15.817	391.92	58.675	52.08	.2209	28.561

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.281	2.318	-2.5077	1.8223	20.582	11.166
SDev	.096	.0233	2.6707	.90204	.74967	3.0172
%RSD	1.528	1.007	106.5	49.5	3.6423	27.022

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.63561	.13019	5.0000	11332.3
SDev	.30763	.41616	0	25.0312
%RSD	48.4	319.66	0	.22088

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/01/04 17:20 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	999.9	25070.	500.94	4980.	2026.	2045.
SDev	1.607	2.085	.88806	3.973	.5497	3.505
%RSD	.1608	.0083	.17728	.0798	.0271	.1714

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50280.	502.1	2015.	2009.	1998.	25260.
SDev	45.17	.8695	2.887	2.277	1.106	27.65
%RSD	.0899	.1732	.1432	.1134	.0553	.1095

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50500.	49360.	2082.	1979.	48520.	2011.
SDev	214.9	92.68	2.094	8.672	49.3	8.522
%RSD	.4255	.1878	.1006	.4381	.1016	.4237

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	498.04	498.24	493.67	4998.	4986.	1002.5
SDev	2.3135	.98025	.27806	10.35	1.579	2.3009
%RSD	.46451	.19674	.05632	.2071	.0317	.2295

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2000.	2051.	494.30	500.21	489.80	502.15
SDev	.1344	3.358	3.3691	.2124	5.1762	.8842
%RSD	.0067	.1637	.68159	.04246	1.0568	.17608

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	500.40	490.31	5.0000	11258.7
SDev	4.122	2.4748	0	7.77817
%RSD	.82374	.50474	0	.06908

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/01/04 17:27 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2428	21.03	.57747	1.701	.3458	.4730
SDev	.3713	.591	1.3781	.8976	.1982	.108
%RSD	152.9	2.81	238.65	52.77	57.31	22.83

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.79	.0955	.2934	.3055	-.9222	4.769
SDev	6.723	.0904	.4553	.2236	.0385	1.321
%RSD	48.75	94.64	155.2	73.21	4.171	27.7

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	165.9	14.62	.3944	1.209	-363.2	-.0156
SDev	5.548	3.752	.1796	.7474	22.52	1.528
%RSD	3.344	25.65	45.54	61.84	6.199	9818

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7439	-.01200	2.1098	2.436	1.586	2.4725
SDev	.36793	1.6677	1.1319	.4317	.6159	1.5616
%RSD	21.099	13892	53.647	17.72	38.83	63.16

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3430	.5717	-2.0446	1.0027	.30243	2.4635
SDev	.3881	.409	.32868	2.3362	.87495	.98844
%RSD	113.1	71.54	16.076	232.98	289.3	40.123

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4737	2.4274	5.0000	11455.5
SDev	.89564	2.1441	0	31.8198
%RSD	60.774	88.328	0	.27776

Method: TOTAL Sample Name: GCWVK Operator: LRW
Run Time: 04/01/04 17:31 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3278	12.19	55.711	1599.	196.5	.0461
SDev	.6395	2.699	1.4113	7.894	1.202	.1076
%RSD	195.1	22.14	2.5333	.4938	.6115	233.4

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	38760.	.1138	83.62	.2519	.4584	63.37
SDev	268	.1373	.603	.0834	.2272	11.67
%RSD	.6914	120.6	.7211	33.12	49.55	18.42

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	273500.	29700.	1706.	23.30	204100.	6.372
SDev	676.7	222.7	12.3	.1548	661.2	.3311
%RSD	.2474	.75	.7209	.664	.3239	5.196

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.2969	-1.3338	-1.3199	.6485	-.5704	6.2531
SDev	2.5935	1.2178	1.4017	.7371	.4018	1.6307
%RSD	78.664	91.307	106.2	113.7	70.44	26.079

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12.39	1.258	-4.1946	.09448	4.7049	2.5940
SDev	.1568	.2832	1.2707	1.1914	4.1672	1.8079
%RSD	1.266	22.5	30.294	1260.9	88.572	69.693

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.87636	-2.4165	5.0000	11562.5
SDev	.87457	1.6649	0	42.0024
%RSD	99.796	68.899	0	.36326

Method: TOTAL Sample Name: GCWVL Operator: LRW
Run Time: 04/01/04 17:36 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5656	22.30	134.06	1889.	235.6	.0023
SDev	.1718	1.319	1.3359	3.23	.2875	.0002
%RSD	30.37	5.917	.99647	.171	.122	9.711

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51470.	.0692	42.95	.5698	-.9569	59.82
SDev	9.532	.0439	.0163	.5072	.2266	8.69
%RSD	.0185	63.36	.0381	89.01	23.68	14.53

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21210.	26880.	2067.	25.69	269500.	9.199
SDev	118.2	15.46	.9058	1.247	725.1	.5048
%RSD	.5572	.0575	.0438	4.853	.269	5.488

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.3304	-.34360	-.00919	.5652	-.7223	1.8602
SDev	2.6921	1.1943	.71884	.4423	.6131	1.643
%RSD	62.167	347.58	7818	78.25	84.88	88.326

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.545	7.882	-3.7683	1.3661	6.9626	3.0163
SDev	.3899	.0243	1.3277	1.1277	.54046	3.7663
%RSD	4.085	.3085	35.233	82.547	7.7625	124.86

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.5720	-1.2979	5.0000	11431.3
SDev	1.4848	1.819	0	4.3842
%RSD	57.728	140.15	0	.03835

Method: TOTAL Sample Name: GCWVP Operator: LRW
Run Time: 04/01/04 17:41 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4637	26.48	.60281	-.7984	.0658	-.0820
SDev	.3704	.6061	.61463	.8338	.0005	.0293
%RSD	79.87	2.289	101.96	104.4	.7322	35.73

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	55.06	.1259	.0453	-.2238	-1.716	-8.785
SDev	8.094	.0009	.001	.2255	.3425	.6951
%RSD	14.7	.7511	2.146	100.8	19.96	7.912

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	209.8	7.738	1.148	-.1947	-694.5	-1.027
SDev	3.953	1.417	.3176	.7378	99.26	.0999
%RSD	1.884	18.31	27.67	379	14.29	9.721

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6828	-.56503	.32104	-1.623	.0000	1.3666
SDev	3.3826	.53187	.07343	2.783	0	.92445
%RSD	201.01	94.131	22.874	171.5	0	67.647

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6681	4.889	-2.5236	.41277	6.8086	-.87631
SDev	.3829	.274	1.1147	.24086	.62967	4.757
%RSD	57.31	5.603	44.173	58.352	9.2483	542.84

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.4909	-.76224	5.0000	11523.8
SDev	1.1837	.70105	0	20.0814
%RSD	47.52	91.972	0	.17426

Method: TOTAL Sample Name: GCWVQ Operator: LRW
Run Time: 04/01/04 17:46 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4005	19.21	-.33441	-1.117	.2011	-.0622
SDev	.0286	.2082	1.2821	.5188	.0004	.0147
%RSD	7.137	1.084	383.38	46.45	.1846	23.58

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	117.1	.1350	-.2342	-.0421	-2.075	43.86
SDev	3.832	.07	.3016	.319	.2662	6.537
%RSD	3.273	51.86	128.7	757.2	12.83	14.91

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	186.8	15.00	.6643	-.2037	-745.8	-.5345
SDev	11.7	.3902	.1601	1.217	100.2	1.605
%RSD	6.264	2.602	24.11	597.2	13.44	300.4

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.96236	-.16071	-.07944	5.423	.1422	6.0350
SDev	.04406	.51787	1.3679	1.085	.2011	.26284
%RSD	4.579	322.22	1721.8	20.01	141.4	4.3554

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0191	2.602	-3.7340	1.6233	6.0638	-1.5845
SDev	.2169	.1778	1.0971	1.3241	1.4092	.76961
%RSD	1134	6.835	29.381	81.573	23.24	48.57

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.60833	.18460	5.0000	11604.2
SDev	2.5985	3.3481	0	10.4657
%RSD	427.15	1813.7	0	.09018

Method: TOTAL Sample Name: GC8G8B 4091095 Operator: LRW
Run Time: 04/01/04 17:52 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6220	14.01	.53513	-2.281	-.2106	-.1011
SDev	.1127	1.17	1.6109	.5214	.0974	.0141
%RSD	18.12	8.352	301.03	22.86	46.25	13.94

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17.58	.0175	-.0947	-.1966	-1.853	3.400
SDev	.092	.0974	.0007	.7297	.8497	.6686
%RSD	.5235	555.6	.7697	371.2	45.84	19.66

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	158.3	-1.334	.0814	-.7170	-897.1	-1.527
SDev	19.72	.3791	.0006	1.467	32.86	.2011
%RSD	12.46	28.43	.7293	204.6	3.663	13.17

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.48977	-.70173	.15168	1.833	.0000	3.0371
SDev	.19339	.31718	1.5941	.9454	0	.52755
%RSD	39.487	45.2	1050.9	51.56	0	17.37

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4772	3.737	-2.3903	.14129	5.1843	-1.8540
SDev	.0015	.0058	2.3454	.6954	1.7609	.5892
%RSD	.3094	.1545	98.121	492.18	33.967	31.78

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.6534	-.59803	5.0000	11563.7
SDev	2.9273	.92845	0	12.587
%RSD	177.05	155.25	0	.10884

Method: TOTAL Sample Name: GC8G8C Operator: LRW
Run Time: 04/01/04 17:56 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L3.680	2124.	2012.5	933.3	1979.	51.72
SDev	.1687	.7415	7.3129	1.671	1.46	.01
%RSD	4.585	.0349	.36337	.179	.0738	.0193

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51510.	50.55	500.0	202.0	256.9	1056.
SDev	66.71	.0053	.8302	.7605	.3639	.1786
%RSD	.1295	.0105	.166	.3764	.1417	.0169

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50610.	49280.	512.4	955.7	49320.	503.8
SDev	91.13	49.7	.7297	7.65	198.7	2.833
%RSD	.1801	.1009	.1424	.8004	.4029	.5624

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2077.3	504.55	514.62	2008.	998.1	2026.6
SDev	2.6206	1.1671	.44194	8.539	.651	2.2803
%RSD	.12615	.23131	.08587	.4253	.0652	.11252

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	492.7	525.8	502.07	505.79	2037.1	2097.4
SDev	.0069	.3962	1.3819	1.0598	2.8499	5.3516
%RSD	.0014	.0753	.27524	.20953	.1399	.25515

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	519.40	512.23	5.0000	11445.3
SDev	.02537	.6499	0	8.90995
%RSD	.00488	.12687	0	.07784

Method: TOTAL Sample Name: GC0XE Operator: LRW
Run Time: 04/01/04 18:02 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2342	39.02	13.638	113.5	113.9	-.0648
SDev	.4452	1.473	1.6569	.2379	.0594	.0022
%RSD	190.1	3.775	12.149	.2097	.0522	3.388

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	159600.	.0019	.8315	1.096	-1.773	1.393
SDev	93.98	.1228	.5093	.2321	.0461	6.025
%RSD	.0589	6591	61.26	21.17	2.603	432.6

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	60720.	52150.	1.656	3.320	55520.	-.0109
SDev	116.5	1.558	.0173	2.231	98.15	.9187
%RSD	.1919	.003	1.046	67.21	.1768	8435

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11.217	-.97333	.71277	.9871	-1.881	6.0244
SDev	.554	.39023	1.1101	.4426	.6129	3.7241
%RSD	4.9389	40.093	155.75	44.84	32.59	61.817

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.637	6.885	-2.7219	-.10035	14.720	9.4685
SDev	.271	.0587	1.0204	.07563	.00044	.83082
%RSD	5.844	.8524	37.488	75.37	.00301	8.7746

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.2853	.42693	5.0000	11410.2
SDev	.56791	1.9479	0	5.93997
%RSD	44.185	456.25	0	.05205

Method: TOTAL Sample Name: GC0XEL Operator: LRW
Run Time: 04/01/04 18:07 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1830	28.72	3.8691	19.65	22.90	.0060
SDev	.2583	2.1	.83187	.3386	.045	.0004
%RSD	141.1	7.312	21.5	1.723	.1965	7.48

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	32940.	-.0693	-.1038	.2145	-2.512	-10.36
SDev	21.03	.1003	.3055	.0004	.1143	2.678
%RSD	.0638	144.8	294.2	.1777	4.551	25.86

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11490.	10440.	.1797	.5156	10950.	-.6610
SDev	43.62	7.826	.0325	1.238	69.96	.4077
%RSD	.3796	.075	18.06	240	.6391	61.68

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.0484	.03456	.70480	2.291	-1.157	1.9641
SDev	.27371	.7363	3.8029	2.734	.0002	2.2672
%RSD	8.9788	2130.1	539.56	119.3	.0186	115.43

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5405	4.400	.44141	-.16855	6.7335	1.2087
SDev	.1089	.5599	.89671	1.5516	1.0303	.10399
%RSD	20.15	12.73	203.14	920.53	15.301	8.6045

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.8871	.11456	5.0000	11420.9
SDev	1.4898	4.9577	0	2.12132
%RSD	78.947	4327.4	0	.01857

Method: TOTAL Sample Name: GC0XM Operator: LRW
Run Time: 04/01/04 18:12 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2764	24.02	60.687	810.6	186.0	-.0286
SDev	.0578	6.273	1.8773	.5955	.1136	.0654
%RSD	20.91	26.11	3.0934	.0735	.0611	229.1

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	157400.	-.0459	23.45	1.378	-1.127	26.47
SDev	121.6	.0795	.0859	.6939	.0983	5.408
%RSD	.0772	173	.3664	50.36	8.723	20.43

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	170200.	79080.	1054.	22.57	181700.	8.857
SDev	266.7	80.99	.8982	.98	326.4	.3004
%RSD	.1567	.1024	.0852	4.342	.1796	3.392

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12.581	-1.2509	1.9967	.1605	-2.331	4.2305
SDev	1.1	.38567	1.3846	.5969	.0017	2.6225
%RSD	8.7433	30.832	69.346	371.8	.0724	61.99

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11.09	17.78	-3.4793	-.13836	16.750	10.500
SDev	.2143	.1042	.31189	.4225	4.3821	.53855
%RSD	1.934	.5858	8.9643	305.36	26.163	5.1288

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.7596	1.6158	5.0000	11332.8
SDev	1.1941	1.4798	0	8.20285
%RSD	43.269	91.581	0	.07238

Method: TOTAL Sample Name: GC0XN Operator: LRW
Run Time: 04/01/04 18:17 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4074	32.80	22.703	220.3	138.1	.0424
SDev	.4451	6.47	.97959	1.37	.1762	.0555
%RSD	109.3	19.73	4.3148	.6222	.1276	130.9

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	124700.	.0182	.7943	1.831	-2.226	54.57
SDev	434.3	.0324	.1514	.2028	.3898	5.083
%RSD	.3482	177.8	19.06	11.08	17.51	9.316

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	117300.	50780.	250.0	3.128	79960.	.3435
SDev	493.8	99.07	.6055	1.01	409.9	1.026
%RSD	.421	.1951	.2422	32.29	.5126	298.6

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.7024	-.83724	1.6484	-.8941	-1.587	3.3608
SDev	.23132	.38418	.99355	1.328	.6195	3.0152
%RSD	2.3842	45.887	60.275	148.5	39.05	89.715

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.193	15.18	-5.0762	1.2790	13.650	7.7313
SDev	.1075	.0509	.50377	.32447	6.4915	3.5877
%RSD	1.17	.3355	9.9243	25.369	47.555	46.405

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.2730	1.8358	5.0000	11458.6
SDev	.01393	1.4826	0	59.397
%RSD	1.0948	80.764	0	.51836

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/01/04 18:23 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1007.	25140.	498.71	4890.	2024.	2050.
SDev	.8396	34.78	1.402	23.66	3.757	3.511
%RSD	.0834	.1384	.28112	.4839	.1857	.1713

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50280.	505.1	2014.	2008.	2001.	25250.
SDev	91.06	.7891	4.688	3.632	3.281	56.93
%RSD	.1811	.1562	.2328	.1809	.1639	.2255

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50440.	49450.	2076.	1972.	48470.	2033.
SDev	16.93	121.9	4.44	10.4	22.6	.1525
%RSD	.0336	.2464	.2138	.5273	.0466	.0075

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	501.84	495.93	490.88	5017.	4959.	1003.1
SDev	4.2855	.14104	1.5319	3.135	12.77	1.5742
%RSD	.85396	.02843	.31208	.0625	.2576	.15693

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1992.	2068.	494.25	496.77	494.38	505.56
SDev	5.598	.1082	.14466	.28365	2.8612	4.9966
%RSD	.281	.0052	.02926	.05709	.57875	.98833

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	504.12	484.27	5.0000	11309.6
SDev	.50775	2.5503	0	24.8903
%RSD	.10072	.52662	0	.22008

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/01/04 18:29 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0615	28.24	1.0463	-.5415	.3083	.4827
SDev	.3132	1.239	.18795	.8844	.0502	.106
%RSD	509	4.387	17.963	163.3	16.29	21.97

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27.78	.0931	.0445	.2962	-2.309	-2.256
SDev	4.86	.0793	.2003	.6911	.2839	.6404
%RSD	17.5	85.18	449.9	233.3	12.3	28.39

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	166.5	13.70	.3563	2.411	-521.9	.6185
SDev	2.993	3.359	.1304	.5007	39.79	.6123
%RSD	1.798	24.51	36.59	20.77	7.624	99

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.8391	1.0488	.59954	2.678	1.148	2.9587
SDev	2.1348	.59517	.98848	.0632	.0029	.03838
%RSD	75.192	56.747	164.87	2.361	.2531	1.2972

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1448	.7892	1.0953	1.0256	7.0236	.74997
SDev	.2159	.0313	.69351	.54608	6.2383	.08606
%RSD	149.1	3.966	63.317	53.243	88.819	11.475

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4835	.15824	5.0000	11510.4
SDev	2.0531	2.507	0	29.1329
%RSD	138.4	1584.2	0	.2531

Method: TOTAL Sample Name: GC0XP Operator: LRW
Run Time: 04/01/04 18:34 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3232	28.43	58.136	791.4	183.0	.1347
SDev	.0143	1.837	1.5126	.9144	.0656	.0325
%RSD	4.433	6.462	2.6019	.1155	.0358	24.12

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	154300.	.0348	22.99	.3035	-1.777	15.42
SDev	72.82	.0423	.1949	.0452	.2262	7.323
%RSD	.0472	121.7	.8479	14.88	12.73	47.48

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168800.	77670.	1034.	23.18	179000.	9.532
SDev	375.9	45.14	.1776	.2377	525.2	.4102
%RSD	.2227	.0581	.0172	1.026	.2933	4.303

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.3170	-.87384	.50231	.2482	-2.305	4.8892
SDev	.68699	1.3054	.7508	.4414	.0008	1.7944
%RSD	8.2602	149.39	149.47	177.9	.0358	36.701

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.92	14.46	-3.4587	.41664	12.278	6.3396
SDev	.6077	.3499	2.307	.80543	1.19	.43589
%RSD	5.566	2.42	66.7	193.31	9.6921	6.8756

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.67151	.41783	5.0000	11458.9
SDev	.59085	1.4206	0	4.10108
%RSD	87.989	340	0	.03578

Method: TOTAL Sample Name: GC0XT Operator: LRW
Run Time: 04/01/04 18:39 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0042	24.03	270.43	608.2	36.48	.0252
SDev	.5164	.0231	1.6646	5.613	.179	.0221
%RSD	12370	.0961	.61552	.923	.4908	88.01

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	241000.	-.0064	3.421	1.161	-1.761	-14.87
SDev	1237	.0359	.19	.3538	.0779	.5684
%RSD	.5133	558.2	5.554	30.47	4.425	3.823

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27780.	100200.	180.6	25.19	114700.	4.313
SDev	70.17	554.4	.9647	.8602	368.6	.5387
%RSD	.2526	.5535	.534	3.415	.3213	12.49

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	172.11	-1.4035	1.5395	-1.892	-3.471	5.5383
SDev	2.9372	.57721	.86152	1.112	.0169	3.1951
%RSD	1.7066	41.126	55.963	58.76	.488	57.691

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	185.2	1.936	-2.7692	-.72173	173.97	171.19
SDev	.7415	.0123	.20003	.96525	1.2734	3.7678
%RSD	.4004	.6371	7.2237	133.74	.732	2.201

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.4289	.59615	5.0000	11417.4
SDev	2.0603	2.3203	0	55.7199
%RSD	60.088	389.21	0	.48802

Method: TOTAL Sample Name: GC0XW Operator: LRW
Run Time: 04/01/04 18:44 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2940	36.55	12.964	70.60	128.1	.0682
SDev	.1574	3.771	1.5479	1.041	.0333	.0002
%RSD	53.55	10.32	11.941	1.475	.026	.2508

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	129000.	.0877	-.3174	1.638	-2.793	-.4555
SDev	47.22	.1054	.1013	.0914	.062	9.988
%RSD	.0366	120.1	31.91	5.582	2.221	2193

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13610.	51190.	.5541	1.383	34480.	.4141
SDev	36.22	40.8	.0807	.9876	212.9	.3051
%RSD	.2662	.0797	14.56	71.41	.6174	73.68

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.6608	-1.0589	-1.7844	-.6889	-2.019	4.5653
SDev	1.7265	1.0316	1.8036	.737	.0002	3.4029
%RSD	37.042	97.43	101.08	107	.0124	74.538

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.645	5.960	-3.7584	.28887	8.9141	2.5373
SDev	.4405	.0277	1.4344	2.2629	1.381	1.8989
%RSD	12.09	.4643	38.167	783.33	15.492	74.841

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.84081	-3.0950	5.0000	11451.2
SDev	1.1665	3.2864	0	1.41421
%RSD	138.74	106.18	0	.01234

Method: TOTAL Sample Name: GC0X1 Operator: LRW
Run Time: 04/01/04 18:48 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4856	42.39	17.410	49.50	124.7	.0077
SDev	.0858	2.229	.02313	1.208	.0352	.0166
%RSD	17.66	5.259	.13287	2.441	.0283	215.5

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	71250.	.0330	-.2087	1.795	-2.747	.4556
SDev	20.84	.0024	.3548	.229	.1802	1.995
%RSD	.0293	7.337	170	12.76	6.559	437.9

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10120.	28530.	.7919	7.305	27480.	.4113
SDev	8.206	39.8	.032	.0009	68.01	.1012
%RSD	.0811	.1395	4.047	.013	.2475	24.62

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.0833	-.95244	1.3036	-.9499	-1.008	2.0012
SDev	.4255	.74155	.57224	.368	.2037	.07798
%RSD	6.0071	77.857	43.898	38.74	20.21	3.8969

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.622	5.161	-1.8650	-.49684	12.266	4.4959
SDev	.1638	.0307	2.9666	.36932	2.2176	.4692
%RSD	2.914	.5945	159.07	74.335	18.08	10.436

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.48775	1.7109	5.0000	11466.1
SDev	1.1744	.27164	0	1.27265
%RSD	240.76	15.878	0	.01109

Method: TOTAL Sample Name: GC0X3 Operator: LRW
Run Time: 04/01/04 18:53 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1605	25.71	-.43515	-4.016	.2001	.0591
SDev	.2253	2.317	1.1481	.5066	0	.0003
%RSD	140.4	9.011	263.83	12.62	.02	.4761

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	80.42	.0354	.0857	-.5587	-2.845	15.47
SDev	18.27	.0373	.05	.6785	.3518	3.278
%RSD	22.72	105.4	58.37	121.4	12.37	21.18

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	169.8	29.47	-.0004	-.5500	-911.5	.1692
SDev	12.16	5.05	.0159	.243	198.9	.2002
%RSD	7.161	17.14	3543	44.17	21.83	118.3

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.0164	-.56949	.14927	4.791	.0000	7.4580
SDev	1.0677	1.0949	2.901	.3622	0	.05736
%RSD	35.396	192.26	1943.4	7.56	0	.76921

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0205	3.432	-2.4704	.37954	7.9461	.55518
SDev	.2159	.0294	1.1992	1.0429	2.0249	.58981
%RSD	1054	.8571	48.541	274.76	25.482	106.24

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4435	-.49686	5.0000	11633.6
SDev	2.031	3.3354	0	1.13178
%RSD	140.7	671.3	0	.00972

Method: TOTAL Sample Name: GC0X4 Operator: LRW
Run Time: 04/01/04 18:58 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1652	24.87	36.552	159.3	70.29	-.0200
SDev	.1143	4.662	.0329	.0828	.1384	.012
%RSD	69.2	18.74	.09003	.052	.1969	60.17

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	109200.	.2775	.5410	1.564	-2.656	-17.38
SDev	65.05	.1379	.4047	.2801	.6315	4.611
%RSD	.0595	49.7	74.81	17.91	23.78	26.53

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17290.	42650.	24.48	2.419	76990.	14.74
SDev	100.6	60.47	.0266	.4864	273	.1262
%RSD	.582	.1418	.1085	20.11	.3545	.8562

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.9646	-1.1343	-.01806	1.232	-1.725	4.0342
SDev	1.2002	.00985	.9627	1.246	.8108	1.2618
%RSD	17.233	.86836	5330.3	101.1	47.01	31.278

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.727	2.449	-3.2550	-.07558	11.864	4.5188
SDev	.5572	.2307	.82711	.39816	3.725	.06034
%RSD	9.73	9.421	25.41	526.75	31.399	1.3355

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.2670	-.65962	5.0000	11481.7
SDev	1.1808	2.0328	0	17.3945
%RSD	93.196	308.18	0	.15149

Method: TOTAL Sample Name: GC0X7 Operator: LRW
Run Time: 04/01/04 19:03 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2245	31.06	198.03	1849.	79.98	.0996
SDev	.0855	7.541	.43776	.4368	.0629	.0019
%RSD	38.1	24.28	.22105	.0236	.0786	1.866

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36390.	.1294	42.52	2.321	-2.605	54.68
SDev	98.63	.0794	.0175	.0945	.3148	2.022
%RSD	.2711	61.39	.0411	4.072	12.08	3.698

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H696200.	39330.	1134.	35.65	337200.	23.50
SDev	2139	113.8	2.426	.0291	167.1	.0811
%RSD	.3073	.2895	.2139	.0816	.0496	.3451

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.71444	-.93852	.85754	.1345	-.2861	4.2327
SDev	2.8395	.19837	2.1974	1.756	.0002	3.8528
%RSD	397.44	21.137	256.25	1306	.0784	91.026

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.214	1.679	-3.4031	.29193	6.4218	-2.1350
SDev	.0506	.0562	.26858	.16332	2.9891	2.7648
%RSD	1.202	3.349	7.8923	55.944	46.546	129.5

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.58337	.99442	5.0000	11540
SDev	3.2131	1.6904	0	9.05082
%RSD	550.77	169.99	0	.07843

Method: TOTAL Sample Name: GC0X7X Operator: LRW
Run Time: 04/01/04 19:07 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2342	30.17	199.66	1838.	79.42	.0815
SDev	.242	1.296	.49254	2.362	.0186	.0015
%RSD	103.3	4.298	.24669	.1285	.0234	1.85

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36310.	.0476	42.43	2.556	-2.257	55.25
SDev	41.22	.0231	.0355	.1408	.5645	9.314
%RSD	.1135	48.54	.0837	5.509	25.01	16.86

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H687600.	39180.	1132.	37.12	334200.	22.91
SDev	3546	2.171	1.093	.4581	984.4	.3834
%RSD	.5157	.0055	.0966	1.234	.2945	1.673

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.3801	-.17955	1.0685	-.7966	-.1435	6.0124
SDev	.12226	.12384	.56407	1.465	.2029	1.0145
%RSD	5.1367	68.976	52.789	184	141.4	16.873

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.033	7.419	-3.9513	1.7035	8.7552	-.80260
SDev	.5497	.3133	2.5811	1.4743	.53972	.08615
%RSD	13.63	4.223	65.324	86.548	6.1647	10.735

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4222	.89194	5.0000	11515.3
SDev	3.8119	1.0574	0	9.75793
%RSD	268.02	118.55	0	.08473

Method: TOTAL Sample Name: GC0X7S Operator: LRW
Run Time: 04/01/04 19:12 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.351	1990.	1987.8	2522.	1880.	45.80
SDev	.7401	2.073	9.3859	9.118	5.334	.1538
%RSD	31.49	.1041	.47217	.3616	.2838	.3357

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	78810.	45.54	484.4	181.0	240.3	999.4
SDev	362.1	.0666	2.739	.0284	.7757	10.59
%RSD	.4595	.1462	.5655	.0157	.3228	1.059

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H682200.	81350.	1484.	878.0	355400.	481.9
SDev	2003	332.2	6.289	.1131	489.3	2.637
%RSD	.2936	.4084	.4236	.0129	.1377	.5473

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1875.3	450.89	465.00	1807.	890.9	1800.6
SDev	6.7602	2.3614	2.8995	7.535	3.093	1.1108
%RSD	.36049	.52372	.62355	.417	.3471	.06169

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	444.1	477.7	445.69	453.49	1827.1	1899.3
SDev	2.05	1.325	2.2291	2.4275	12.7	3.7949
%RSD	.4616	.2774	.50014	.53529	.69506	.1998

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	471.18	461.91	5.0000	11462
SDev	3.6067	2.5464	0	52.8914
%RSD	.76545	.55128	0	.46145

Method: TOTAL Sample Name: GC0X7D Operator: LRW
Run Time: 04/01/04 19:17 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.759	2212.	2217.0	2803.	2101.	51.02
SDev	.4752	.0026	2.9727	12.6	3.058	.0404
%RSD	17.22	.0001	.13408	.4495	.1455	.0793

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	87500.	50.37	539.0	201.6	268.9	1108.
SDev	50.37	.1008	.8078	.105	.1622	2.408
%RSD	.0576	.2001	.1499	.0521	.0603	.2173

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H784500.	90520.	1645.	985.2	396100.	535.2
SDev	2053	15.68	.0042	1.147	691.4	1.875
%RSD	.2617	.0173	.0003	.1164	.1745	.3504

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2081.9	501.55	518.03	2008.	994.3	1994.0
SDev	.89389	1.8998	2.0795	3.534	1.818	.38825
%RSD	.04293	.37878	.40142	.176	.1828	.01947

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	494.9	540.6	497.03	503.80	2022.7	2111.5
SDev	.7452	.508	5.6567	.02412	6.9218	4.7959
%RSD	.1506	.094	1.1381	.00478	.34221	.22712

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	523.96	515.07	5.0000	11439.2
SDev	3.3683	1.4361	0	9.61637
%RSD	.64285	.2788	0	.08406

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/01/04 19:24 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1005.	25060.	500.33	4797.	2015.	2037.
SDev	.8507	3.055	.42659	2.344	.4842	.4615
%RSD	.0846	.0122	.08526	.0489	.024	.0227

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49740.	503.0	1995.	1990.	1997.	25010.
SDev	91.79	.7099	.9261	2.77	2.871	13.44
%RSD	.1846	.1411	.0464	.1392	.1438	.0538

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50290.	49110.	2062.	1958.	48070.	2035.
SDev	78.2	7.173	1.361	17.53	153.6	3.156
%RSD	.1555	.0146	.066	.8956	.3196	.1551

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	500.70	492.06	489.99	4990.	4906.	998.58
SDev	2.8695	1.3566	1.223	3.885	4.234	.8667
%RSD	.5731	.2757	.2496	.0778	.0863	.08679

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1973.	2066.	491.81	492.19	488.82	506.63
SDev	.3469	.3794	.54761	1.7606	6.6555	.97937
%RSD	.0176	.0184	.11134	.3577	1.3616	.19331

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	502.83	483.58	5.0000	11376.9
SDev	2.7058	.4827	0	6.36396
%RSD	.53812	.09981	0	.05593

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/01/04 19:31 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2192	40.76	1.2433	-.9744	.3394	.6741
SDev	.114	3.47	2.0235	1.397	.0019	.0757
%RSD	52.01	8.513	162.76	143.4	.5481	11.23

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20.69	.1013	.3319	.2825	-3.268	1.519
SDev	4.887	.1035	.1996	.416	.6144	.6897
%RSD	23.62	102.1	60.16	147.3	18.8	45.41

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	213.3	10.70	.4189	4.806	-373.9	1.030
SDev	16.56	4.442	.1942	2.949	78.18	.21
%RSD	7.762	41.51	46.36	61.35	20.91	20.39

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.0059	1.2969	-1.0373	2.143	.9981	4.8075
SDev	1.0792	.30495	1.2885	2.999	.205	.78188
%RSD	35.901	23.513	124.21	140	20.53	16.264

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1417	.7960	1.8465	1.0225	6.6936	1.1649
SDev	.4398	.1215	.25706	.58553	1.0753	1.0811
%RSD	310.5	15.26	13.922	57.263	16.065	92.808

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.1473	-3.1265	5.0000	11583.3
SDev	.32901	2.0961	0	39.1733
%RSD	10.454	67.042	0	.33818

Method: TOTAL Sample Name: GC00A Operator: LRW
Run Time: 04/01/04 19:36 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.154	56.36	155.45	5770.	26.29	.2525
SDev	.0993	2.928	1.1998	23.87	.0039	.082
%RSD	8.609	5.195	.77184	.4137	.0148	32.49

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24430.	.1658	18.23	24.99	-.6422	306.1
SDev	21.28	.0826	.0476	.0417	.063	1.942
%RSD	.0871	49.8	.2613	.1668	9.814	.6343

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	C.0000	79100.	1737.	89.34	H778400.	47.96
SDev	0	9.115	.6722	.0133	1015	.5977
%RSD	0	.0115	.0387	.0149	.1304	1.246

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.9845	-.06814	.94860	-1.263	.0000	6.6774
SDev	.82071	1.8846	.20155	.9509	0	4.0868
%RSD	20.598	2765.5	21.248	75.31	0	61.202

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.011	6.405	-5.4021	2.5949	8.9567	1.5021
SDev	.1639	.0542	1.1183	3.3838	1.4781	.49252
%RSD	16.21	.8465	20.701	130.41	16.503	32.79

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.36158	1.2417	5.0000	11539
SDev	.5848	.59414	0	1.69733
%RSD	161.73	47.851	0	.0147

Method: TOTAL Sample Name: GC00E Operator: LRW
Run Time: 04/01/04 19:40 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7229	42.53	108.35	1958.	48.32	.2792
SDev	.9526	.821	1.6527	7.658	.1401	.0194
%RSD	131.8	1.93	1.5253	.3912	.29	6.95

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	58940.	.0123	13.63	7.634	-3.350	996.4
SDev	5.56	.0887	.3678	.9242	.2058	6.161
%RSD	.0094	721.4	2.698	12.11	6.144	.6184

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	473600.	68160.	2297.	39.71	255300.	9.330
SDev	835.9	98.64	.8059	1.274	173.3	.6186
%RSD	.1765	.1447	.0351	3.207	.0679	6.63

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1875	-.38677	-.14429	-.1224	-.8600	2.9186
SDev	1.1315	1.6017	.77608	.3677	.001	2.2199
%RSD	35.499	414.11	537.85	300.5	.1142	76.063

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5874	18.95	-2.8552	.84559	8.4002	.58499
SDev	.0532	.1964	.38633	2.2084	2.5008	.44789
%RSD	9.066	1.037	13.531	261.17	29.771	76.563

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.13541	-.28394	5.0000	11519.1
SDev	2.6405	2.4818	0	13.1526
%RSD	1949.9	874.05	0	.11418

Method: TOTAL Sample Name: GDAMNB 4092105 Operator: LRW
Run Time: 04/01/04 19:47 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5218	46.64	-.49840	-1.080	.7877	.1074
SDev	.2253	1.221	.02741	.5413	.0514	.0429
%RSD	43.18	2.618	5.5006	50.12	6.53	39.96

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	259.4	-.0691	-.7696	.3193	-2.814	H207.7
SDev	4.58	.0728	.1469	.188	.1339	10.45
%RSD	1.765	105.4	19.09	58.88	4.758	5.03

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	462.8	41.56	2.947	.4917	-307.7	-.2472
SDev	63.95	11.78	.137	1.216	102.9	.1973
%RSD	13.82	28.34	4.65	247.3	33.44	79.79

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.1632	.33806	.10065	H34.03	.0000	2.8523
SDev	.77417	.14811	.09263	.7544	0	.38601
%RSD	35.788	43.812	92.028	2.217	0	13.533

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4811	12.61	-1.5117	1.2615	3.2657	1.6128
SDev	.5435	.1543	1.5315	.98668	3.726	3.0209
%RSD	113	1.224	101.32	78.212	114.09	187.31

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.8508	1.0749	5.0000	11566.6
SDev	.27029	.00393	0	31.9614
%RSD	14.604	.36605	0	.27632

Method: TOTAL Sample Name: GDAMNC Operator: LRW
Run Time: 04/01/04 19:52 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L2.465	1886.	1760.4	L771.5	1749.	45.41
SDev	.142	44.34	33.176	16.2	35.19	1.09
%RSD	5.761	2.352	1.8846	2.1	2.012	2.4

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L202.2	45.77	447.1	179.5	225.1	H1275.
SDev	5.665	.8267	9.426	4.463	5.199	31.53
%RSD	2.801	1.806	2.109	2.486	2.31	2.472

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L276.8	L22.78	459.2	836.0	L-494.8	455.2
SDev	27.05	8.221	9.983	12.87	31.49	11.45
%RSD	9.773	36.09	2.174	1.539	6.365	2.516

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1785.0	451.38	424.58	1820.	877.4	1791.6
SDev	35.773	7.0939	2.3666	41.34	18.5	37.065
%RSD	2.0041	1.5716	.5574	2.271	2.108	2.0688

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	429.7	470.2	449.18	452.48	1736.3	1809.3
SDev	9.27	11.45	8.1933	6.5451	32.645	37.334
%RSD	2.158	2.435	1.824	1.4465	1.8801	2.0634

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	435.03	419.36	5.0000	11708.7
SDev	2.0343	4.5638	0	206.899
%RSD	.46761	1.0883	0	1.76705

Method: TOTAL Sample Name: GDAMNL Operator: LRW
Run Time: 04/01/04 19:56 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.131	1943.	1772.2	773.9	1765.	45.84
SDev	.176	.6484	8.6399	5.489	1.999	.0121
%RSD	5.62	.0334	.48752	.7093	.1132	.0264

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	170.9	46.37	450.6	181.5	227.6	989.4
SDev	1.17	.0625	.9296	.2999	.5588	5.483
%RSD	.6848	.1349	.2063	.1653	.2455	.5541

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	226.7	17.95	463.2	846.0	-486.5	458.1
SDev	14.06	.0961	1.033	1.267	173.4	.3068
%RSD	6.204	.5357	.223	.1498	35.65	.067

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1802.4	455.82	441.05	1835.	883.5	1812.3
SDev	2.3288	2.9725	3.8244	2.007	1.91	.24807
%RSD	.1292	.65212	.86711	.1094	.2162	.01368

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	433.5	471.3	454.22	456.62	1758.6	1824.2
SDev	.3499	.1834	1.0644	3.9251	10.203	1.6022
%RSD	.0807	.0389	.23433	.85961	.58015	.08783

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	448.93	437.11	5.0000	11509.4
SDev	.21926	5.8432	0	32.81
%RSD	.04884	1.3368	0	.28507

Method: TOTAL Sample Name: GC9PH Operator: LRW
Run Time: 04/01/04 20:02 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2717	59.56	2.0525	-2.296	349.0	.1875
SDev	.58	.3515	.9633	.8482	1.558	.0326
%RSD	213.5	.5901	46.933	36.93	.4463	17.39

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	31490.	-.0949	-.3071	.7347	-2.064	309.5
SDev	16.18	.062	.2006	.6817	.1211	7.943
%RSD	.0514	65.4	65.34	92.79	5.868	2.566

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	230.2	268.4	5.286	2.735	-303.2	.9589
SDev	21.69	5.478	.0949	.4874	141.6	.3011
%RSD	9.423	2.041	1.796	17.82	46.71	31.39

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.6990	-.49819	8.2727	38.42	1.140	4.2638
SDev	1.5696	.423	5.3789	2.265	.0001	.84282
%RSD	33.404	84.907	65.02	5.895	.0134	19.767

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3296	62.42	-.85356	-.32078	4.8104	4.6433
SDev	.434	.1946	1.894	1.5798	6.7194	1.0014
%RSD	131.7	.3117	221.89	492.47	139.68	21.566

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	7.8435	8.4869	5.0000	11581.3
SDev	3.5031	6.3153	0	1.55577
%RSD	44.662	74.413	0	.01343

Method: TOTAL Sample Name: GC9PHL Operator: LRW
Run Time: 04/01/04 20:07 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1809	48.13	.01414	-2.795	69.18	.2271
SDev	.1978	2.711	.11579	.1628	.147	.064
%RSD	109.3	5.632	818.66	5.824	.2124	28.19

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6339.	-.0466	-.0926	.1505	-3.641	56.89
SDev	19.27	.1103	.1007	.2282	.1561	1.276
%RSD	.304	236.7	108.8	151.6	4.287	2.243

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	185.0	50.32	.8780	-.3753	-393.3	-.6059
SDev	1.002	1.762	.0149	.4864	15.93	.3016
%RSD	.5414	3.502	1.702	129.6	4.051	49.78

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3089	.08374	2.0253	7.070	-.1424	2.6897
SDev	1.6125	.886	1.9071	.6607	.2013	2.094
%RSD	123.2	1058	94.164	9.345	141.4	77.853

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0195	14.92	-.96236	.60601	3.8175	.05640
SDev	.2166	.0103	1.7543	.45249	8.5444	1.8482
%RSD	1111	.0694	182.29	74.668	223.82	3276.6

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.8802	1.5984	5.0000	11603.1
SDev	2.3193	1.7013	0	8.34372
%RSD	80.525	106.43	0	.0719

Method: TOTAL Sample Name: GC9PX Operator: LRW
Run Time: 04/01/04 20:12 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2006	79.78	.10376	-3.812	366.5	.1988
SDev	.477	1.736	.63378	.1799	.033	.0129
%RSD	237.8	2.175	610.8	4.718	.009	6.497

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13750.	.0636	-.7205	1.061	-2.756	163.2
SDev	22.38	.2581	.2965	.9045	.211	3.052
%RSD	.1627	405.8	41.15	85.22	7.655	1.87

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	224.2	1371.	5.013	1.158	-499.0	-.4018
SDev	19.1	1.521	.0074	.7222	108.4	.4001
%RSD	8.518	.1109	.1484	62.39	21.73	99.59

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0620	.46090	4.5907	33.37	.0000	4.8848
SDev	1.7052	.73369	.08877	.6031	0	.48213
%RSD	82.697	159.19	1.9337	1.807	0	9.8702

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1787	109.8	-2.4127	1.8955	1.7222	2.2317
SDev	.1073	.2064	.22256	.98888	.78534	2.9486
%RSD	60.06	.1879	9.2248	52.169	45.603	132.13

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.6621	5.5535	5.0000	11683.4
SDev	2.6087	1.4355	0	15.8395
%RSD	97.991	25.848	0	.13557

Method: TOTAL Sample Name: GDAW5B 4092226 Operator: LRW
Run Time: 04/01/04 20:19 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1731	42.75	1.3476	-4.538	.3079	.1868
SDev	.5552	2.722	.54817	.3767	.0512	.0275
%RSD	320.8	6.367	40.679	8.301	16.64	14.71

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.0	-.0875	-.4904	.8734	-3.789	32.43
SDev	2.914	.1698	.2572	.6725	.1763	.7747
%RSD	1.734	194	52.45	77	4.653	2.389

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	211.6	13.94	.8652	.1540	8.014	-.6694
SDev	6.832	2.323	.0861	.743	33.25	.2065
%RSD	3.228	16.67	9.955	482.6	414.8	30.85

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7245	.50075	2.2538	H33.85	.0000	-1.0792
SDev	1.2439	1.2458	1.4856	1.672	0	.3496
%RSD	72.13	248.79	65.916	4.938	0	32.396

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5527	11.69	.25457	.62366	1.8594	1.6571
SDev	.3292	.5837	2.5192	.61008	1.3702	2.5489
%RSD	59.56	4.993	989.59	97.823	73.689	153.82

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.83146	2.9640	5.0000	11521.2
SDev	1.1856	1.6354	0	52.3259
%RSD	142.59	55.177	0	.45417

Method: TOTAL Sample Name: GDAW5C Operator: LRW
Run Time: 04/01/04 20:23 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47.69	1888.	1722.0	L765.2	1750.	45.76
SDev	.8829	2.162	1.2811	1.711	1.228	.054
%RSD	1.851	.1145	.07439	.2236	.0702	.1179

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45120.	44.81	439.0	179.8	227.4	964.2
SDev	46.16	.2087	.5558	.215	.3884	3.474
%RSD	.1023	.4658	.1266	.1196	.1709	.3602

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	42670.	42650.	453.6	837.5	43220.	450.3
SDev	.743	18.19	.5772	.8868	151.8	2.836
%RSD	.0017	.0426	.1273	.1059	.3511	.6298

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1737.7	443.25	423.19	1795.	873.3	1762.9
SDev	.50322	1.8155	8.6845	3.656	.6901	10.246
%RSD	.02895	.40958	2.0521	.2037	.079	.58118

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	430.7	468.4	442.32	443.72	1694.1	1759.5
SDev	.5457	.0762	.67249	2.3861	9.0853	3.7814
%RSD	.1267	.0163	.15203	.53774	.53627	.21491

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	429.34	420.12	5.0000	11374.3
SDev	8.718	8.6678	0	25.0312
%RSD	2.0305	2.0631	0	.22006

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/01/04 20:29 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	998.9	24860.	493.42	4699.	1993.	2026.
SDev	.6662	11.63	1.1216	2.832	1.626	.8633
%RSD	.0667	.0468	.2273	.0603	.0816	.0426

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49500.	501.2	1982.	1976.	1976.	24840.
SDev	57.32	.4419	1.763	1.46	4.789	16.35
%RSD	.1158	.0882	.0889	.0739	.2424	.0658

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49640.	48730.	2043.	1936.	47400.	2037.
SDev	39.74	.5994	.4902	10.41	115.8	1.23
%RSD	.0801	.0012	.024	.5377	.2442	.0604

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	493.74	488.02	490.68	4973.	4846.	992.13
SDev	.36678	1.3924	4.7265	5.782	2.299	4.2256
%RSD	.07428	.28531	.96325	.1163	.0474	.4259

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1955.	2060.	486.05	489.01	486.25	497.48
SDev	.966	1.974	.99823	2.5859	5.1142	2.0034
%RSD	.0494	.0958	.20537	.5288	1.0518	.40271

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	504.20	483.92	5.0000	11436
SDev	2.5038	5.8362	0	5.65685
%RSD	.49658	1.206	0	.04946

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/01/04 20:35 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1185	42.77	1.4989	-1.720	.5441	.7842
SDev	.1692	3.427	.2583	.6901	.1949	.1025
%RSD	142.7	8.013	17.233	40.11	35.82	13.07

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.96	.0156	.1554	.2130	-3.657	15.01
SDev	3.759	.0444	.0495	.0476	.3217	5.26
%RSD	23.56	284.1	31.85	22.36	8.796	35.04

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	179.6	14.22	.4504	3.927	-305.7	.2440
SDev	.4018	3.653	.1123	.2496	7.113	.1024
%RSD	.2237	25.69	24.94	6.355	2.327	41.97

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.3559	.41847	2.8941	1.925	1.565	1.9060
SDev	3.3591	1.2235	.33987	.5126	.6052	.31632
%RSD	100.09	292.38	11.744	26.63	38.68	16.596

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3681	.8557	-2.3065	1.7789	5.2893	2.3906
SDev	.6516	.0281	.19221	1.9303	2.0387	6.0539
%RSD	177	3.279	8.3333	108.51	38.545	253.24

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4910	3.5946	5.0000	11609
SDev	4.3597	2.6862	0	13.2935
%RSD	292.4	74.726	0	.11451

Method: TOTAL Sample Name: GDAW2 Operator: LRW
Run Time: 04/01/04 20:40 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1122	37.53	-.57573	-3.410	.2693	.3388
SDev	.4092	6.796	1.0791	.0608	.1002	.0832
%RSD	364.6	18.11	187.44	1.782	37.2	24.56

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	180.2	-.1605	-.5179	.5316	-4.268	18.24
SDev	1.696	.0144	.7075	.3332	.1164	7.141
%RSD	.9412	8.971	136.6	62.69	2.728	39.15

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	194.4	13.66	.8871	1.685	58.65	-.3969
SDev	2.521	1.242	.0411	.0212	85.14	.3917
%RSD	1.297	9.091	4.627	1.255	145.2	98.67

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0847	.21303	2.2841	36.16	.0000	1.7890
SDev	1.0359	1.0049	.4617	1.485	0	2.7478
%RSD	49.691	471.68	20.214	4.108	0	153.59

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3631	13.65	-.23423	.43634	.93530	2.6585
SDev	.1593	.1331	2.185	.4157	2.4584	2.7804
%RSD	43.85	.975	932.81	95.271	262.85	104.59

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.3100	1.7719	5.0000	11624.4
SDev	1.1778	.10418	0	79.7615
%RSD	35.584	5.8797	0	.68615

Method: TOTAL Sample Name: GDAW2L Operator: LRW
Run Time: 04/01/04 20:45 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1609	35.85	1.1085	-3.509	-.0046	.2405
SDev	.0004	1.23	1.7885	.1431	.0006	.0416
%RSD	.2265	3.431	161.35	4.079	13.62	17.29

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	31.62	-.0520	-.2700	-.0738	-4.657	9.434
SDev	.2994	.0831	.1476	.3576	.1581	10.52
%RSD	.9469	159.8	54.66	484.5	3.395	111.5

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	163.4	-3.688	.0574	.4886	-410.5	-.2502
SDev	8.237	5.758	.0016	1.224	155.1	.205
%RSD	5.042	156.1	2.85	250.6	37.78	81.95

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0905	.43558	1.2236	7.897	.0000	3.0345
SDev	.99646	.46822	.70893	1.064	0	2.6499
%RSD	91.379	107.49	57.939	13.47	0	87.325

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0213	5.526	.65281	.32713	4.7472	-.73515
SDev	.0506	.0377	.64144	1.0222	2.9677	.01234
%RSD	237.6	.6816	98.259	312.48	62.514	1.6792

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4552	1.1079	5.0000	11595.3
SDev	.31027	1.2178	0	35.2138
%RSD	21.321	109.91	0	.30369

Method: TOTAL Sample Name: GDAW2S Operator: LRW
Run Time: 04/01/04 20:50 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45.85	1814.	1660.1	729.3	1683.	44.00
SDev	.4032	11.99	10.467	.2723	8.807	.2757
%RSD	.8794	.6606	.63047	.0373	.5233	.6266

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	43280.	43.36	422.4	172.5	217.5	948.6
SDev	206.6	.3652	2.162	1.26	1.888	3.74
%RSD	.4773	.8423	.5117	.7303	.8678	.3943

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	41430.	40910.	435.7	807.9	41410.	434.7
SDev	231	201.8	2.254	.6101	183.8	1.761
%RSD	.5575	.4932	.5174	.0755	.4439	.405

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1672.4	424.60	405.71	1738.	837.1	1704.6
SDev	9.9134	2.9994	9.104	10.37	3.386	8.2756
%RSD	.59275	.7064	2.2439	.5967	.4045	.48548

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	413.3	459.6	425.45	424.18	1624.9	1696.2
SDev	1.573	3.222	3.5336	2.7327	9.4009	10.169
%RSD	.3805	.7009	.83056	.64422	.57856	.59953

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	417.71	399.72	5.0000	11457
SDev	6.8313	10.239	0	43.5575
%RSD	1.6354	2.5614	0	.38018

Method: TOTAL Sample Name: GDAW2D Operator: LRW
Run Time: 04/01/04 20:54 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46.83	1867.	1705.5	751.4	1726.	45.27
SDev	.0202	2.332	4.335	4.053	.3392	.0386
%RSD	.0432	.1248	.25418	.5394	.0197	.0854

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44410.	44.41	433.4	177.3	223.3	946.5
SDev	52.27	.0791	.5233	.1015	.4271	2.477
%RSD	.1177	.1782	.1207	.0572	.1913	.2617

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	42010.	42070.	447.4	831.6	42210.	447.9
SDev	143.8	46.28	.398	1.518	108.4	1.175
%RSD	.3423	.11	.089	.1825	.2567	.2623

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1718.1	435.91	425.44	1776.	859.2	1746.0
SDev	1.2834	.62704	4.4936	.599	.4135	1.2734
%RSD	.07469	.14384	1.0562	.0337	.0481	.07293

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	425.0	466.7	437.27	435.23	1664.4	1744.9
SDev	.1779	.3339	.28482	.79791	2.6128	3.2285
%RSD	.0418	.0715	.06513	.18333	.15698	.18502

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	434.36	420.99	5.0000	11474.2
SDev	1.1073	6.1842	0	29.9816
%RSD	.25491	1.469	0	.26129

Method: TOTAL Sample Name: CRI/MRL Operator: LRW
Run Time: 04/01/04 21:02 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.757	245.0	14.851	181.7	10.10	5.295
SDev	.5671	2.35	2.0254	.1154	.1973	.0015
%RSD	11.92	.9594	13.638	.0635	1.954	.0283

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5091.	5.165	4.547	5.228	10.62	299.5
SDev	1.448	.0724	.4522	.1382	.5152	5.847
%RSD	.0284	1.403	9.945	2.643	4.852	1.952

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4573.	4750.	15.23	11.36	4756.	26.74
SDev	12.08	1.2	.0522	.4914	14.08	1.615
%RSD	.2642	.0253	.343	4.326	.2961	6.04

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22.525	9.9756	Q14.838	100.6	48.46	18.920
SDev	.11081	.31814	1.3172	.3357	.3895	2.8504
%RSD	.49196	3.1893	8.8769	.3335	.8038	15.066

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.435	46.68	9.4650	10.230	27.892	19.845
SDev	.106	.5461	.25394	.60376	2.5465	1.4374
%RSD	1.648	1.17	2.683	5.9016	9.1297	7.2434

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	14.488	15.013	5.0000	11584.5
SDev	.00841	1.9706	0	3.25241
%RSD	.05807	13.126	0	.02807

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/01/04 21:07 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1004.	25000.	497.11	4701.	2004.	2032.
SDev	8.171	222.7	5.5804	58.56	17.32	17.65
%RSD	.8139	.891	1.1226	1.246	.8643	.8683

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49680.	503.0	1987.	1984.	1984.	24910.
SDev	508.9	4.642	19.39	19.74	16.16	249
%RSD	1.024	.9229	.976	.9951	.8144	.9997

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50020.	48890.	2047.	1942.	47740.	2047.
SDev	590.4	446.1	20.08	31.4	470.3	21.21
%RSD	1.18	.9125	.9808	1.617	.9851	1.036

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	495.35	486.66	486.89	4992.	4865.	992.83
SDev	6.9295	2.1206	3.4637	46.41	48.43	8.0176
%RSD	1.3989	.43575	.7114	.9297	.9957	.80755

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1964.	2067.	484.67	487.66	484.95	500.54
SDev	19.99	16.1	1.1426	2.6089	13.492	3.6533
%RSD	1.018	.7792	.23575	.53499	2.7821	.72987

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	499.47	480.60	5.0000	11391.1
SDev	1.5509	4.4187	0	79.3375
%RSD	.3105	.9194	0	.69648

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/01/04 21:13 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2072	47.46	.71216	-1.658	.4376	.8478
SDev	.1267	3.01	.79806	.1834	.0492	.0532
%RSD	61.13	6.341	112.06	11.06	11.23	6.27

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.58	.0434	-.2293	.4886	-4.247	8.959
SDev	2.846	.1671	.0014	.0868	.1515	4.579
%RSD	20.96	385	.5997	17.77	3.568	51.11

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	171.7	10.49	.3784	2.529	-235.4	-.1886
SDev	.8359	1.476	.0802	.2477	114.1	.8993
%RSD	.4867	14.07	21.2	9.793	48.45	476.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3525	.21822	.20941	3.697	1.132	3.8014
SDev	.45885	1.1487	.41306	.1376	.0016	3.235
%RSD	33.926	526.39	197.25	3.723	.1394	85.102

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7037	.7665	-1.2625	.95745	.86036	1.5982
SDev	.056	.0265	2.8237	.31243	1.5047	.06329
%RSD	7.963	3.458	223.67	32.632	174.89	3.9604

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.64964	-.01037	5.0000	11671.3
SDev	.87006	1.0537	0	16.2634
%RSD	133.93	10160	0	.13934

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/01/04 22:08 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1003.	25090.	497.27	4778.	2003.	2040.
SDev	1.204	35.45	1.6049	6.689	3.21	.148
%RSD	.1201	.1413	.32274	.14	.1603	.0073

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49890.	502.7	2002.	2000.	1992.	25080.
SDev	34.77	.4855	.9674	2.097	5.281	6.686
%RSD	.0697	.0966	.0483	.1049	.2651	.0267

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49840.	49090.	2045.	1968.	47690.	2019.
SDev	74.42	4.748	.7028	14.07	171.1	2.652
%RSD	.1493	.0097	.0344	.7149	.3588	.1313

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	500.88	493.44	489.71	4994.	4901.	994.35
SDev	3.8714	.46772	1.7517	1.784	.7144	1.4239
%RSD	.77292	.09479	.35769	.0357	.0146	.1432

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1982.	2058.	488.33	495.99	490.59	506.01
SDev	.6158	2.39	4.407	2.9015	2.6001	4.5061
%RSD	.0311	.1161	.90246	.58499	.53	.89051

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	501.52	483.81	5.0000	11357.2
SDev	2.3091	1.4734	0	12.1617
%RSD	.46041	.30453	0	.10708

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/01/04 22:15 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2102	63.25	.61548	-3.456	.4113	.5729
SDev	.2415	4.098	.09939	.1776	.1959	.1022
%RSD	114.9	6.479	16.15	5.14	47.64	17.84

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.847	-.0672	.2590	.1957	-2.720	5.719
SDev	.9775	.128	.2012	.0017	.4331	.0062
%RSD	34.33	190.5	77.68	.8613	15.92	.1088

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	174.2	13.40	.3890	2.058	-327.9	.8291
SDev	10.02	1.481	.0807	.978	166.5	.9105
%RSD	5.754	11.05	20.76	47.52	50.77	109.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.68391	.21241	.67158	3.604	1.576	4.9550
SDev	1.2454	1.3391	.7125	.8016	.609	.63032
%RSD	182.1	630.43	106.09	22.24	38.64	12.721

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1270	.4746	-1.2719	.95344	-1.1949	1.6219
SDev	.3823	.2889	.10182	1.9569	3.0015	.36867
%RSD	301	60.87	8.0055	205.24	251.19	22.731

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.59263	1.3027	5.0000	11526.2
SDev	.889	1.512	0	9.05151
%RSD	150.01	116.07	0	.07852

Method: TOTAL Sample Name: GDAL2B Operator: LRW
Run Time: 04/01/04 22:19 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5866	66.16	1.2970	-3.812	.3689	.1531
SDev	.0411	6.087	.46637	.4903	.0492	.0445
%RSD	7.009	9.201	35.957	12.86	13.35	29.06

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	179.0	.1937	.2283	-.3725	-2.095	16.82
SDev	1.383	.1147	.548	.5881	.1076	1.286
%RSD	.7729	59.2	240	157.9	5.139	7.646

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	164.9	20.64	1.562	.1300	-691.5	-.8239
SDev	.7302	5.688	.0754	.723	48.36	.5992
%RSD	.4429	27.56	4.828	556	6.993	72.72

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6228	-.92379	1.2355	-.3419	.0000	5.4481
SDev	1.1232	.26438	.47028	1.808	0	.12309
%RSD	69.218	28.62	38.065	528.8	0	2.2594

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0232	4.233	-3.4738	.34930	8.7722	-1.9466
SDev	.1069	.253	.14148	.32574	1.043	2.2048
%RSD	460.3	5.977	4.0728	93.256	11.89	113.26

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.83201	1.4369	5.0000	11681.5
SDev	1.166	1.2872	0	20.7892
%RSD	140.14	89.583	0	.17796

Method: TOTAL Sample Name: GDAL2C Operator: LRW
Run Time: 04/01/04 22:24 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.59	1978.	1834.7	826.5	1776.	46.59
SDev	.3959	4.8	5.0637	2.333	1.506	.054
%RSD	.8148	.2427	.27599	.2823	.0848	.1158

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L208.3	47.19	460.8	185.1	229.6	999.0
SDev	.4882	.2421	1.216	.6479	.3375	1.549
%RSD	.2344	.5129	.264	.3501	.147	.155

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L162.7	L12.99	465.9	862.5	L-1105.	459.5
SDev	12.84	3.66	.7321	12.21	91.55	2.781
%RSD	7.892	28.16	.1571	1.416	8.286	.6052

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1903.9	462.73	467.05	1841.	899.3	1852.4
SDev	3.3632	2.0259	.69202	2.398	1.595	5.4924
%RSD	.17664	.4378	.14816	.1303	.1774	.2965

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	447.6	480.4	458.51	464.84	1869.6	1921.0
SDev	.9118	.0254	.47769	3.2758	10.086	.00681
%RSD	.2037	.0053	.10418	.7047	.53945	.00035

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	471.80	464.69	5.0000	11639.8
SDev	.22558	1.1501	0	20.6476
%RSD	.04781	.24751	0	.17738

Method: TOTAL Sample Name: GC8VR Operator: LRW
Run Time: 04/01/04 22:29 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5047	80.11	2.1184	97.94	5.752	.1087
SDev	.113	3.695	.56151	.6189	.1521	.0194
%RSD	22.39	4.612	26.507	.632	2.644	17.83

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52360.	.5508	1.069	.8375	4.949	304.9
SDev	40.3	.1221	.5534	.2759	.0246	.2904
%RSD	.077	22.16	51.78	32.94	.4972	.0952

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17520.	12640.	19.35	257.7	255000.	42.42
SDev	108.7	8.034	.1313	.2538	978	1.353
%RSD	.6205	.0635	.6785	.0985	.3836	3.189

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.5903	-.14094	.73738	.6489	-.5715	5.0290
SDev	1.3805	.90757	1.0083	.1442	.4037	.88767
%RSD	30.074	643.92	136.74	22.22	70.64	17.651

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.485	194.7	-3.7906	1.6812	7.3381	3.2185
SDev	.1121	.0188	1.2069	.75815	2.6782	.73263
%RSD	4.511	.0096	31.838	45.097	36.497	22.764

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.9909	-.38767	5.0000	11552.2
SDev	.2923	1.3658	0	11.3137
%RSD	9.7733	352.31	0	.09793

Method: TOTAL Sample Name: GC8XK Operator: LRW
Run Time: 04/01/04 22:34 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0940	74.17	.83275	448.1	39.46	-.0152
SDev	.1399	4.138	2.0668	8.152	.8003	.0406
%RSD	148.9	5.579	248.19	1.819	2.028	268.1

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	147400.	.1737	2.287	-.1577	21.73	1089.
SDev	2844	.0176	.021	.9284	.9703	15.86
%RSD	1.93	10.14	.9204	588.8	4.465	1.456

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4195.	8140.	672.8	10.06	301600.	18.19
SDev	51.49	154.3	12.96	1.184	4068	1.361
%RSD	1.227	1.895	1.927	11.77	1.349	7.484

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1724	-.67228	4.0685	1.474	-1.858	2.5291
SDev	.63528	.79269	1.6888	.976	.575	1.4698
%RSD	54.187	117.91	41.509	66.22	30.95	58.117

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.509	10.73	-3.9022	.94025	2.3719	.57351
SDev	.1769	.4388	1.066	.65622	7.5922	2.8379
%RSD	11.72	4.091	27.319	69.792	320.08	494.83

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	6.8958	2.6569	5.0000	11523.5
SDev	.74502	2.1599	0	204.071
%RSD	10.804	81.295	0	1.7709

Method: TOTAL Sample Name: GC82M Operator: LRW
Run Time: 04/01/04 22:39 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4778	93.43	10.366	99.13	164.8	.0833
SDev	.0582	3.27	.65646	.3905	.0467	.0103
%RSD	12.17	3.5	6.3331	.3939	.0284	12.38

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	95270.	.0745	1.906	.1207	1.464	966.4
SDev	104	.1486	.105	.0513	.3212	.5692
%RSD	.1091	199.4	5.508	42.54	21.94	.0589

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1038.	17490.	2174.	.5197	280600.	13.51
SDev	.2158	16.27	3.58	1.724	10.45	.3456
%RSD	.0208	.093	.1646	331.7	.0037	2.559

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.0502	.05430	-1.2558	.8225	-.2886	3.1296
SDev	3.7436	.31963	1.1756	1.544	.0008	2.8658
%RSD	122.73	588.57	93.61	187.7	.267	91.571

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.04	31.17	-1.5362	.84836	8.6704	.24435
SDev	.2473	.0036	.05873	.44989	2.3408	4.444
%RSD	2.464	.0115	3.8233	53.031	26.997	1818.6

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.8500	-2.8064	5.0000	11440.4
SDev	.86884	1.3287	0	30.5471
%RSD	46.965	47.346	0	.26701

Method: TOTAL Sample Name: GC82T Operator: LRW
Run Time: 04/01/04 22:44 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4824	134.6	5.8020	99.63	182.8	.0044
SDev	.6947	1.884	1.2399	.7885	.4024	.0086
%RSD	144	1.399	21.371	.7915	.2201	196.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	103400.	.0373	.3631	.0843	3.134	122.4
SDev	234.8	.3243	.7615	.0073	.3002	9.108
%RSD	.227	870.2	209.7	8.667	9.579	7.443

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9364.	17610.	12810.	-1.407	271200.	9.637
SDev	1.141	.8659	16.49	.4947	87.66	1.162
%RSD	.0122	.0049	.1287	35.16	.0323	12.06

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.14934	.58593	-3.5298	-.5806	-1.300	2.1315
SDev	2.0206	.44278	.81651	1.332	.1995	.19693
%RSD	1353	75.568	23.132	229.5	15.35	9.239

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.080	19.30	-2.1668	1.9603	.03906	.20439
SDev	.3374	.158	2.4909	.57975	1.5316	2.2647
%RSD	31.23	.8187	114.96	29.575	3921	1108

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4445	-6.0132	5.0000	11427.1
SDev	.30394	1.3759	0	42.568
%RSD	21.041	22.881	0	.37251

Method: TOTAL Sample Name: GC9DJ Operator: LRW
Run Time: 04/01/04 22:49 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.9523	110.2	1214.5	180.6	4417.	-.0483
SDev	.1747	4.896	1.5171	.3408	.9447	.0004
%RSD	18.34	4.443	.12491	.1887	.0214	.9034

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1660e3	1.513	-2.405	.8474	.2734	38240.
SDev	4186	.0149	.1123	.1007	.072	60.21
%RSD	.2522	.9853	4.668	11.88	26.33	.1574

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	60840.	419900.	1452.	-.2541	H3840e3	10.97
SDev	32.92	687.4	2.653	.5455	210.5	2.584
%RSD	.0541	.1637	.1827	214.7	.0055	23.55

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.59513	20.527	-.28906	3.358	-35.75	5.4747
SDev	.26308	1.2912	.98516	3.019	.0073	.98116
%RSD	44.207	6.2902	340.82	89.9	.0205	17.922

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.9850	146.7	10.747	25.410	7.7868	-2.9953
SDev	.0589	.591	2.2421	.81647	1.3181	1.0525
%RSD	5.985	.4027	20.863	3.2132	16.927	35.138

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.30292	-.58460	5.0000	10346.3
SDev	.0072	1.4806	0	2.12132
%RSD	2.3774	253.26	0	.0205

Method: TOTAL Sample Name: GC9DM Operator: LRW
Run Time: 04/01/04 22:53 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6174	71.84	274.95	1610.	952.2	-.1139
SDev	.0974	4.805	.86938	4.997	1.447	.0349
%RSD	15.78	6.689	.31619	.3103	.1519	30.61

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1569e3	1.697	1.017	7.278	2.671	43850.
SDev	1183	.0739	.1138	.0617	.7614	44.13
%RSD	.0754	4.355	11.19	.8475	28.51	.1006

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	206300.	595500.	1853.	1.783	H4491e3	13.15
SDev	430.1	968.2	1.914	1.667	2896	.5554
%RSD	.2085	.1626	.1033	93.48	.0645	4.223

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2011	-1.3397	-3.3942	1.740	-36.41	3.8758
SDev	5.2995	.37704	1.0417	1.991	.0426	3.7785
%RSD	441.21	28.144	30.692	114.4	.117	97.49

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.817	53.33	-8.7309	2.3503	8.3287	-2.3573
SDev	.2434	.3425	.693	.2193	7.1324	4.3845
%RSD	13.4	.6423	7.9374	9.3307	85.637	186

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.78805	-5.4822	5.0000	10157.2
SDev	.31754	1.7204	0	11.8799
%RSD	40.295	31.381	0	.11696

Method: TOTAL Sample Name: GC8V9 Operator: LRW
Run Time: 04/01/04 22:58 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4629	2699.	5.2489	113.5	101.7	.2158
SDev	.138	27.4	.67433	1.669	.9471	.0207
%RSD	29.82	1.015	12.847	1.471	.9312	9.572

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	102000.	.1193	3.175	6.391	7.579	5428.
SDev	1384	.0302	.2213	.6571	.587	69.03
%RSD	1.358	25.35	6.971	10.28	7.745	1.272

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2708.	17760.	1756.	9.367	31480.	8.086
SDev	49.48	322.2	17.42	.4042	2161	.2255
%RSD	1.827	1.814	.9916	4.316	6.865	2.789

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2071	6.2217	1.3332	.6002	30.30	4.0296
SDev	.73945	.29747	.00385	.8186	1.046	2.1205
%RSD	61.258	4.7812	.28939	136.4	3.454	52.622

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.084	46.07	2.4925	8.0835	3.8690	-.12183
SDev	.1461	.8358	.57621	.15831	1.8197	2.0171
%RSD	3.577	1.814	23.118	1.9584	47.033	1655.6

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.56441	2.2805	5.0000	11553.6
SDev	.60217	.30641	0	90.7921
%RSD	106.69	13.436	0	.78583

Method: TOTAL Sample Name: GC8V9S Operator: LRW
Run Time: 04/01/04 23:03 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.34	6270.	1826.0	936.9	1876.	46.86
SDev	.4211	9.252	1.8344	3.189	3.311	.0159
%RSD	.8711	.1475	.10046	.3404	.1765	.034

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	99350.	45.77	455.3	190.4	241.0	6446.
SDev	12.29	.2089	.1579	.3754	.5258	.1429
%RSD	.0124	.4563	.0347	.1972	.2182	.0022

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3076.	17210.	2184.	853.5	27280.	461.6
SDev	6.254	4.86	1.679	10.46	272	1.422
%RSD	.2033	.0282	.0769	1.226	.9972	.308

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1881.8	460.12	461.39	1808.	924.3	1816.1
SDev	7.7341	.90509	.13944	.192	2.042	5.8386
%RSD	.41098	.1967	.03022	.0106	.2209	.32149

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	448.2	513.8	456.84	461.76	1842.2	1901.6
SDev	.5688	.7671	1.2271	.74433	2.4112	12.799
%RSD	.1269	.1493	.2686	.16119	.13088	.67304

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	467.10	458.53	5.0000	11482.5
SDev	1.5555	.56753	0	4.94974
%RSD	.33301	.12377	0	.0431

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/01/04 23:09 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	999.7	24990.	496.03	4735.	1997.	2028.
SDev	.7722	1.456	1.5074	9.511	.1835	.8834
%RSD	.0772	.0058	.30389	.2009	.0092	.0435

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49680.	499.9	1989.	1989.	1981.	24890.
SDev	14.7	.6787	.7227	1.957	.4417	4.464
%RSD	.0296	.1358	.0363	.0984	.0223	.0179

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49810.	48850.	2071.	1957.	47470.	2007.
SDev	72.43	14.14	.4696	13.71	205.7	.1394
%RSD	.1454	.029	.0227	.7006	.4332	.0069

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	501.55	488.33	487.53	4970.	4869.	994.66
SDev	6.2465	1.598	.67588	.4022	4.075	6.5268
%RSD	1.2454	.32723	.13863	.0081	.0837	.65618

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1969.	2048.	486.26	489.36	485.66	509.48
SDev	.8153	1.663	.84025	2.8152	2.3285	10.528
%RSD	.0414	.0812	.1728	.57528	.47944	2.0663

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	496.54	483.03	5.0000	11338
SDev	1.474	1.7492	0	27.4356
%RSD	.29685	.36213	0	.24197

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/01/04 23:16 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0793	69.58	.69089	-1.812	.4430	.6999
SDev	.1984	3.358	.77948	.2003	.1478	.1412
%RSD	250.2	4.826	112.82	11.05	33.36	20.18

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.094	-.0551	.2608	.0907	-2.923	7.585
SDev	7.564	.2195	.1997	.4147	.1364	.0032
%RSD	106.6	398.2	76.58	457.3	4.665	.042

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	163.5	10.96	.5432	1.871	-303.0	.5332
SDev	9.235	1.01	.1464	.2536	71.9	.0941
%RSD	5.649	9.212	26.95	13.56	23.73	17.65

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0660	-.03539	2.1995	2.553	1.712	6.0893
SDev	1.2351	1.7321	.08002	.5215	.8117	.07055
%RSD	59.783	4893.9	3.6382	20.43	47.4	1.1586

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1003	.4074	-.59409	.24354	1.8934	2.1522
SDev	.1602	.325	.89981	2.1476	3.086	.31104
%RSD	159.8	79.77	151.46	881.82	162.99	14.453

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0571	2.7699	5.0000	11577.8
SDev	.87224	.55544	0	33.6587
%RSD	82.515	20.053	0	.29071

Method: TOTAL Sample Name: GC8V9D Operator: LRW
Run Time: 04/01/04 23:21 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.41	5953.	1820.0	929.4	1866.	46.98
SDev	.2584	1.127	5.9273	2.573	3.92	.0231
%RSD	.5337	.0189	.32568	.2769	.2101	.0491

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	96390.	45.59	454.5	190.4	239.3	6272.
SDev	177.2	.2237	.2006	.1062	.3809	19.35
%RSD	.1839	.4907	.0441	.0558	.1592	.3085

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2906.	16520.	2129.	858.0	25720.	461.6
SDev	12.51	16.09	3.97	7.108	121.9	.0472
%RSD	.4304	.0974	.1865	.8285	.474	.0102

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1877.7	458.36	461.41	1813.	926.7	1806.4
SDev	7.6414	.99117	2.8982	5.453	.3097	3.6093
%RSD	.40694	.21624	.6281	.3008	.0334	.19981

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	447.8	518.0	453.64	460.71	1841.7	1895.7
SDev	1.839	1.048	1.3823	.79592	18.286	2.3269
%RSD	.4106	.2024	.3047	.17275	.99288	.12274

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	470.44	456.91	5.0000	11504.1
SDev	2.09	3.3017	0	6.36396
%RSD	.44426	.72261	0	.05531

Method: TOTAL Sample Name: GC9JG Operator: LRW
Run Time: 04/01/04 23:26 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.119	2607.	3.8211	21.64	233.0	.2643
SDev	.1994	6.694	1.2614	.8187	.4344	.0022
%RSD	9.408	.2567	33.012	3.784	.1864	.8214

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24970.	1.068	2.596	4.509	37.46	4076.
SDev	19.21	.0256	.202	.2771	.2921	3.143
%RSD	.0769	2.394	7.782	6.147	.7799	.0771

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2400.	1953.	432.9	3.449	2697.	4.423
SDev	9.74	9.196	.0621	2.429	91.95	.9968
%RSD	.4058	.4709	.0144	70.45	3.409	22.54

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.9935	21.156	2.5392	2.490	39.52	8.1205
SDev	.42562	1.4992	.76811	2.474	.0332	.58864
%RSD	10.658	7.0863	30.251	99.38	.084	7.2489

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.472	415.1	17.377	23.043	10.154	.91768
SDev	.2139	.3846	.64197	2.5682	3.8954	1.3067
%RSD	4.784	.0927	3.6944	11.145	38.362	142.39

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.5502	2.0344	5.0000	11613.3
SDev	1.1868	1.7441	0	9.75793
%RSD	33.43	85.733	0	.08402

Method: TOTAL Sample Name: GC91R Operator: LRW
Run Time: 04/01/04 23:31 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1624	68.61	1.4983	38.25	179.2	.0461
SDev	.8863	1.966	1.9714	.8272	.0339	.0091
%RSD	545.7	2.865	131.58	2.162	.0189	19.7

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	75130.	.2842	-.1379	.1505	-1.384	782.9
SDev	117.9	.0041	.1554	.0999	.4096	11.11
%RSD	.1569	1.43	112.7	66.4	29.6	1.419

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3881.	18040.	495.2	.5189	110200.	.1276
SDev	0	19.5	.5768	.7478	318.2	.9213
%RSD	0	.1081	.1165	144.1	.2888	721.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8327	.15187	1.2885	1.027	-1.153	5.8470
SDev	2.2318	.51495	.93364	1.243	.0046	1.7023
%RSD	121.78	339.06	72.462	121	.4024	29.115

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2988	22.03	-1.2016	.82758	8.9024	-1.6969
SDev	.6063	.1464	2.4161	1.9783	4.2915	1.2034
%RSD	202.9	.6645	201.08	239.04	48.207	70.922

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.6449	1.1105	5.0000	11456.6
SDev	.60061	1.0999	0	46.1035
%RSD	36.513	99.045	0	.40241

Method: TOTAL Sample Name: GC969 Operator: LRW
Run Time: 04/01/04 23:36 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6122	151.0	-.21227	42.98	66.70	.1369
SDev	.4624	2.959	3.1352	1.006	.5972	.0332
%RSD	75.53	1.959	1476.9	2.34	.8954	24.23

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	70280.	1.072	-.2122	-.1092	11.71	140.2
SDev	629.7	.1671	.2597	.7483	.3974	4.244
%RSD	.8961	15.59	122.4	685.1	3.394	3.026

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3675.	9785.	17.58	.8622	95030.	1.281
SDev	49.13	97.06	.0243	.7263	919.7	.082
%RSD	1.337	.992	.1381	84.23	.9678	6.399

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.67053	3.6797	.88090	1.236	1.301	2.2582
SDev	.46808	.88716	.73202	2.272	.213	1.0432
%RSD	69.808	24.109	83.099	183.8	16.38	46.195

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.272	77.25	2.4106	4.3133	5.9009	-3.9513
SDev	.7022	.8211	1.3106	.67575	1.5946	.09433
%RSD	55.18	1.063	54.369	15.667	27.023	2.3873

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4640	.58980	5.0000	11432.1
SDev	1.4814	.35787	0	76.7922
%RSD	101.19	60.677	0	.67172

Method: TOTAL Sample Name: GC9XC Operator: LRW
Run Time: 04/01/04 23:40 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8932	489.7	6.2217	72.76	91.14	.0219
SDev	.3421	.4006	2.2294	.6018	.0386	.0036
%RSD	38.3	.0818	35.833	.8271	.0423	16.38

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44940.	-.0337	.5784	5.789	-1.134	691.4
SDev	11.37	.1806	.1511	.3123	.2041	3.311
%RSD	.0253	536.2	26.13	5.395	18.01	.4789

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2033.	22220.	58.24	14.03	26280.	6.400
SDev	25.14	.5124	.0402	.7212	92.93	.9013
%RSD	1.237	.0023	.069	5.138	.3537	14.08

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4873	.33182	.28124	.4975	6.306	5.1837
SDev	1.386	.71677	.5538	3.002	.8168	1.2156
%RSD	55.726	216.01	196.91	603.4	12.95	23.45

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0200	9.284	-1.1365	1.0649	11.760	-2.1422
SDev	.4366	.1901	.42228	.86379	5.9734	.90419
%RSD	2185	2.047	37.156	81.115	50.794	42.209

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.70924	.06756	5.0000	11520.4
SDev	.29784	.68159	0	11.0306
%RSD	41.995	1008.8	0	.09574

Method: TOTAL Sample Name: GC9XCF Operator: LRW
Run Time: 04/01/04 23:45 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3104	81.58	5.9581	70.93	87.26	.1380
SDev	.2281	3.132	2.3754	.3321	.3162	.0118
%RSD	73.46	3.839	39.87	.4682	.3624	8.582

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	43090.	-.0506	8.959	.9729	-3.590	170.1
SDev	107.7	.1111	.2869	.0969	.1686	2.306
%RSD	.2499	219.6	3.203	9.955	4.697	1.356

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1908.	21540.	61.88	13.16	26260.	3.046
SDev	18.18	70.97	.2971	.4623	33.24	2.433
%RSD	.9531	.3294	.4801	3.513	.1266	79.88

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6836	-.54642	2.2776	.8590	-1.146	3.7260
SDev	.96367	.18408	2.2478	2.34	.0022	.42882
%RSD	57.239	33.69	98.689	272.4	.1939	11.509

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4314	3.529	-3.2842	.82042	2.0955	1.4780
SDev	.0543	.0909	3.5795	1.511	.6136	1.7511
%RSD	12.6	2.576	108.99	184.18	29.282	118.48

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.6189	2.1072	5.0000	11522
SDev	.00183	3.3709	0	22.3443
%RSD	.07005	159.97	0	.19392

Method: TOTAL Sample Name: GC9XE Operator: LRW
Run Time: 04/01/04 23:50 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0158	1076.	8.3723	151.7	148.4	.2103
SDev	.1003	5.298	.18673	.6725	.3366	.0451
%RSD	633.1	.4924	2.2304	.4432	.2268	21.43

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	151900.	1.305	3.059	18.66	123.2	2385.
SDev	10.03	.0533	.1094	.1085	.3058	14.82
%RSD	.0066	4.083	3.576	.5816	.2481	.6214

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4521.	36610.	362.4	.3676	5629.	25.73
SDev	16.43	2.083	.3659	.9959	131.8	.3244
%RSD	.3634	.0057	.101	270.9	2.341	1.261

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.9449	210.90	6.8351	1.196	15.05	5.9963
SDev	.74611	.35701	1.8292	.1403	1.591	1.8602
%RSD	10.743	.16928	26.762	11.73	10.58	31.023

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.271	293.3	206.51	213.09	10.862	4.9892
SDev	.0996	.3674	1.5358	1.302	1.7732	.23332
%RSD	4.385	.1253	.74369	.61101	16.324	4.6767

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	7.7126	6.3971	5.0000	11410
SDev	.03346	2.7592	0	34.7898
%RSD	.43389	43.132	0	.3049

Method: TOTAL Sample Name: GC9XEF Operator: LRW
Run Time: 04/01/04 23:55 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0741	283.6	4.0806	141.7	114.0	.1845
SDev	.2286	2.249	.73436	.5623	.0139	.0008
%RSD	308.7	.793	17.996	.3968	.0122	.407

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	142100.	1.169	14.59	4.006	90.49	460.3
SDev	33.63	.0067	.0972	.5946	.0962	.1408
%RSD	.0237	.5728	.6663	14.84	.1063	.0306

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4238.	33850.	101.7	1.732	5384.	8.448
SDev	36.01	15.57	.049	.001	48.4	.7134
%RSD	.8497	.046	.0482	.0559	.8989	8.445

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.5773	128.53	2.9103	1.964	-1.152	3.3531
SDev	2.082	.04587	.57923	1.692	.0004	.88635
%RSD	27.477	.03569	19.903	86.13	.0308	26.434

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4461	213.3	124.39	130.60	9.9354	6.4001
SDev	.0004	.0843	.41436	.13808	1.5152	2.365
%RSD	.0851	.0395	.33312	.10573	15.25	36.953

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	4.3421	2.1955	5.0000	11466.7
SDev	.88781	.42518	0	3.53553
%RSD	20.447	19.366	0	.03083

Method: TOTAL Sample Name: GC9XG Operator: LRW
Run Time: 04/01/04 23:59 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1722	87.28	2.4046	181.1	65.05	.0375
SDev	.1859	.8155	.61801	.2534	.0186	.0164
%RSD	108	.9343	25.702	.14	.0286	43.84

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	201900.	.0623	88.30	7.647	-1.273	1298.
SDev	104.2	.0746	.2961	.0965	.3408	8.729
%RSD	.0516	119.6	.3354	1.262	26.77	.6722

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1150.	50920.	2723.	1.226	27220.	9.705
SDev	.8721	42.21	2.758	2.719	52.59	3.049
%RSD	.0758	.0829	.1013	221.8	.1932	31.42

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.01372	-.27438	-1.2429	.3048	-2.745	4.7898
SDev	1.7822	1.609	1.9769	.6654	.6142	4.6733
%RSD	12989	586.39	159.05	218.3	22.38	97.568

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3510	34.40	-2.5914	.88237	1.0876	-.52241
SDev	.442	.4161	.14604	2.4852	1.8427	1.752
%RSD	125.9	1.21	5.6358	281.65	169.43	335.37

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3688	-2.5468	5.0000	11428.4
SDev	.26555	3.0964	0	5.37373
%RSD	19.4	121.58	0	.04702

Method: TOTAL Sample Name: GC9XGL Operator: LRW
Run Time: 04/02/04 00:04 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2412	77.27	1.4430	30.50	12.72	.1275
SDev	.555	5.598	.46043	1.38	.1017	.0008
%RSD	230.1	7.246	31.91	4.525	.8	.6177

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	40830.	-.1633	17.56	1.556	-3.530	265.3
SDev	53.18	.1035	.1565	.0903	.184	1.405
%RSD	.1302	63.42	.8911	5.799	5.213	.5297

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	333.2	9944.	549.2	.1552	5250.	1.831
SDev	16.32	31.14	1.034	.7366	1.872	.3041
%RSD	4.897	.3132	.1883	474.5	.0357	16.61

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.13471	-1.1457	.75577	.2920	-1.147	2.2960
SDev	.69957	.69235	.15771	.8056	.0004	1.7673
%RSD	519.28	60.431	20.868	275.9	.0307	76.972

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7913	9.940	-1.2966	-1.0703	1.8629	-.72807
SDev	.2179	.0894	1.1407	.46854	2.8763	.38718
%RSD	27.54	.8991	87.972	43.775	154.4	53.179

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.22072	1.2433	5.0000	11517.3
SDev	2.6262	1.0747	0	3.53553
%RSD	1189.8	86.437	0	.03069

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 00:11 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	990.4	24780.	489.52	4650.	1975.	2010.
SDev	11.16	286.5	6.1781	70.22	22.53	27.1
%RSD	1.127	1.156	1.2621	1.51	1.141	1.348

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49230.	496.2	1968.	1969.	1961.	24650.
SDev	646.1	6.203	25.71	27.52	22.12	354.5
%RSD	1.313	1.25	1.306	1.398	1.128	1.438

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49600.	48410.	2045.	1930.	47030.	1988.
SDev	270.7	661.2	27.26	15.06	309.2	24.42
%RSD	.5457	1.366	1.333	.7805	.6575	1.229

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	495.07	484.83	484.30	4918.	4816.	982.23
SDev	2.4442	4.3081	4.0609	61.1	62.55	5.4011
%RSD	.49369	.88857	.83851	1.242	1.299	.54988

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1950.	2031.	480.65	486.92	485.96	499.62
SDev	24.68	23.07	4.038	4.443	2.6254	2.3537
%RSD	1.266	1.136	.84011	.91246	.54025	.47108

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	497.18	477.87	5.0000	11437.4
SDev	5.2447	3.4699	0	119.925
%RSD	1.0549	.72612	0	1.04853

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 00:17 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0611	66.11	-.21251	-3.245	.2715	.6214
SDev	.0567	4.213	1.4813	.5236	.1954	.1533
%RSD	92.82	6.373	697.03	16.13	72	24.66

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.909	.0158	.0829	-.1647	-3.063	8.986
SDev	6.541	.0237	.2505	.7757	.3317	1.974
%RSD	167.3	149.8	302.1	471	10.83	21.97

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	163.1	13.56	.4425	2.911	-455.0	-.1760
SDev	12.28	4.764	.1609	.7393	193	.2996
%RSD	7.53	35.14	36.36	25.4	42.42	170.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6895	.17150	-1.0464	3.123	1.714	4.0803
SDev	1.8289	.01292	.94587	.1394	.81	1.7532
%RSD	108.25	7.5338	90.396	4.464	47.27	42.968

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0513	.5560	-1.7034	1.1076	2.7553	1.1574
SDev	.4911	.0548	.47422	.21738	4.8943	.29844
%RSD	957.2	9.857	27.839	19.627	177.63	25.786

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.37156	-1.3833	5.0000	11566.4
SDev	1.165	1.9998	0	16.9706
%RSD	313.55	144.57	0	.14672

Method: TOTAL Sample Name: GC9XGF Operator: LRW
Run Time: 04/02/04 00:22 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5110	73.10	1.2816	178.5	63.48	.2094
SDev	.2142	.25	.59983	.3952	.0991	.0294
%RSD	41.92	.342	46.804	.2214	.1562	14.04

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	196000.	.0203	62.10	3.306	-3.551	1205.
SDev	146.4	.27	.2975	.3294	.0183	2.159
%RSD	.0747	1331	.479	9.966	.5153	.1791

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1118.	49370.	2681.	1.917	26130.	11.48
SDev	14.4	27.93	1.446	1.229	40.04	1.707
%RSD	1.288	.0566	.0539	64.09	.1532	14.87

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1768	-.32093	.19578	.9252	-2.307	5.4049
SDev	.32727	.38223	1.1653	1.692	.0035	4.3016
%RSD	10.302	119.1	595.19	182.8	.1531	79.588

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7761	33.53	-4.1145	1.5730	4.6077	2.4624
SDev	.0557	.2029	.73737	.20493	1.4456	1.2124
%RSD	7.183	.605	17.921	13.028	31.373	49.236

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.2434	-.82650	5.0000	11452.8
SDev	.28149	1.8876	0	17.5361
%RSD	12.548	228.39	0	.15311

Method: TOTAL Sample Name: GDAL7B Operator: LRW
Run Time: 04/02/04 00:29 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5171	69.90	.09035	-4.406	-.0741	.1185
SDev	.0295	3.658	.71146	.6968	.0968	.0256
%RSD	5.699	5.233	787.37	15.81	130.5	21.56

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	84.33	.0642	.0174	-.3411	-4.147	.2052
SDev	14.1	.019	.2506	.1847	.2498	5.212
%RSD	16.72	29.57	1444	54.14	6.025	2540

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	157.9	8.934	.6461	-.0428	-790.7	-.3305
SDev	13.14	4.96	.2086	1.447	42.89	.7011
%RSD	8.318	55.52	32.29	3385	5.424	212.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4527	-.42094	-1.4175	2.058	.0000	5.0587
SDev	.07579	.87885	.39441	.4434	0	.37609
%RSD	5.2173	208.78	27.824	21.54	0	7.4347

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3658	3.316	-4.1453	1.4384	2.4452	.95719
SDev	.1616	.0666	.90646	.86507	2.4732	1.1211
%RSD	44.17	2.009	21.867	60.14	101.14	117.12

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0368	-2.6429	5.0000	11682.4
SDev	.85025	.16683	0	34.2242
%RSD	82.005	6.3127	0	.29295

Method: TOTAL Sample Name: GDAL7C Operator: LRW
Run Time: 04/02/04 00:34 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54.50	2175.	1994.5	899.9	1965.	51.58
SDev	.7428	6.201	.24591	.5251	8.918	.0575
%RSD	1.363	.2852	.01232	.0583	.4538	.1115

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51990.	50.75	498.1	202.4	254.6	1071.
SDev	112.1	.3236	1.297	1.05	.7779	24.62
%RSD	.2157	.6377	.2603	.5187	.3056	2.299

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52070.	49870.	514.6	950.6	49560.	500.2
SDev	340.8	52.89	.5309	5.358	38.74	4.667
%RSD	.6545	.1061	.1032	.5636	.0782	.933

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2061.5	498.24	510.68	2008.	984.8	2004.9
SDev	10.955	1.2243	1.7727	12.23	1.489	6.6096
%RSD	.53141	.24572	.34712	.6089	.1513	.32967

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	491.2	521.8	494.31	500.20	2013.4	2085.5
SDev	1.46	.2617	3.6585	.00904	15.42	8.7259
%RSD	.2973	.0502	.74011	.0018	.76588	.4184

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	518.93	506.56	5.0000	11531.7
SDev	1.7689	3.5408	0	41.1531
%RSD	.34087	.69899	0	.35686

Method: TOTAL Sample Name: GC893 Operator: LRW
Run Time: 04/02/04 00:40 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2331	81.57	44.685	429.5	58.06	.2129
SDev	.6768	2.344	.52199	1.307	.148	.0143
%RSD	290.3	2.873	1.1682	.3043	.255	6.717

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45270.	.0799	5.178	-.2287	3.497	4491.
SDev	96.5	.0182	.0461	.8139	.0873	1.986
%RSD	.2132	22.81	.8914	355.9	2.496	.0442

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7216.	7533.	260.1	13.43	121400.	2.014
SDev	19.36	21.08	.5145	.4995	47.7	.6042
%RSD	.2683	.2798	.1978	3.719	.0393	30

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.1465	-.04985	-.52046	2.743	.0000	6.4619
SDev	1.5337	.39006	.28529	3.557	0	.72929
%RSD	36.988	782.37	54.816	129.7	0	11.286

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2937	5.968	-1.6697	.75885	9.1391	1.6540
SDev	.3806	.41	.59453	.88162	.91171	2.7546
%RSD	129.6	6.87	35.608	116.18	9.976	166.54

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.18817	-.87424	5.0000	11616
SDev	.27867	.56685	0	10.1826
%RSD	148.09	64.84	0	.08766

Method: TOTAL Sample Name: GC893S Operator: LRW
Run Time: 04/02/04 00:44 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52.95	2157.	1999.2	1313.	1989.	50.12
SDev	.1768	5.526	.13258	5.057	6.298	.1204
%RSD	.3339	.2562	.00663	.3853	.3166	.2403

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	94290.	49.07	489.2	196.2	258.8	5382.
SDev	264.9	.1241	1.285	1.062	.335	13.15
%RSD	.281	.2529	.2626	.5416	.1295	.2443

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	62550.	56360.	754.4	928.9	170700.	494.2
SDev	57.03	204	2.036	9.761	36.9	.7332
%RSD	.0912	.362	.2698	1.051	.0216	.1483

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2020.0	486.10	502.19	1953.	959.8	1954.7
SDev	5.9108	2.909	2.582	7.264	3.372	6.7057
%RSD	.2926	.59844	.51415	.372	.3514	.34304

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	478.5	514.3	481.96	488.16	1964.7	2047.7
SDev	2.718	1.562	.72678	3.9985	9.3736	4.182
%RSD	.568	.3037	.15079	.81909	.4771	.20422

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	511.08	497.75	5.0000	11487.7
SDev	4.4031	6.0693	0	11.1728
%RSD	.86151	1.2194	0	.09725

Method: TOTAL Sample Name: GC893D Operator: LRW
Run Time: 04/02/04 00:49 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.60	1952.	1810.7	1186.	1795.	45.28
SDev	.4476	7.735	6.9118	2.738	5.86	.1792
%RSD	.9211	.3962	.38172	.2308	.3264	.3958

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	85770.	44.57	441.8	178.8	301.4	4911.
SDev	276.1	.4381	1.3	1.116	1.007	27.07
%RSD	.3219	.983	.2941	.6238	.3342	.5513

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	56420.	50920.	683.0	846.2	154500.	446.6
SDev	255.6	134	2.084	9.44	612.8	4.277
%RSD	.4531	.2633	.3051	1.116	.3967	.9576

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1828.3	439.44	453.67	1770.	864.0	1781.2
SDev	12.152	1.3526	1.7218	4.078	2.92	.75768
%RSD	.66469	.3078	.37952	.2303	.3379	.04253

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	432.2	497.6	436.84	440.74	1788.2	1848.3
SDev	1.748	.9594	.43635	2.2458	4.2755	16.085
%RSD	.4043	.1928	.09988	.50954	.23909	.87026

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	461.43	449.80	5.0000	11535.9
SDev	.17807	2.4925	0	1.55577
%RSD	.03859	.55413	0	.01348

Method: TOTAL Sample Name: GC896 Operator: LRW
Run Time: 04/02/04 00:54 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5729	109.2	4.6064	52.26	50.72	.1314
SDev	.1294	5.83	.05893	1.138	.0795	.0414
%RSD	22.59	5.338	1.2794	2.177	.1568	31.52

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	84430.	.1285	-.2369	1.511	8.768	50.00
SDev	196.1	.0239	.4999	.4214	.3341	.5076
%RSD	.2323	18.6	211	27.9	3.811	1.015

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2787.	9729.	2.702	12.08	135300.	.2522
SDev	10.23	29.51	.0849	1.42	761.3	.2954
%RSD	.3669	.3033	3.14	11.76	.5626	117.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.7251	-1.1351	3.7564	1.373	-.1432	8.8762
SDev	.11589	.753	.60181	1.178	.2025	2.6897
%RSD	2.4526	66.339	16.021	85.77	141.4	30.303

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.997	26.32	-5.7735	1.1806	6.7222	3.7281
SDev	.1244	.2528	3.2979	.51753	4.1364	2.2388
%RSD	3.112	.9606	57.121	43.835	61.534	60.053

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.4287	3.9200	5.0000	11556.2
SDev	.57497	.61521	0	40.1642
%RSD	16.77	15.694	0	.34755

Method: TOTAL Sample Name: GC898 Operator: LRW
Run Time: 04/02/04 00:59 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8229	114.2	4.3179	77.61	33.36	.2321
SDev	.1839	6.254	.36596	.8069	.0951	.0132
%RSD	22.34	5.474	8.4755	1.04	.285	5.674

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	84610.	.1143	.2584	.1022	-2.743	232.9
SDev	23.19	.0696	.0006	.1343	.1547	8.92
%RSD	.0274	60.89	.216	131.4	5.641	3.829

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1484.	18520.	59.80	2.584	127500.	1.831
SDev	20.26	10.55	.0294	.2509	496.2	.3079
%RSD	1.365	.0569	.0491	9.712	.3891	16.82

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1579	1.0388	1.8463	.2926	-1.147	3.2805
SDev	1.164	.13044	.816	.8083	.0016	1.528
%RSD	36.859	12.557	44.196	276.2	.1375	46.579

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1704	4.501	-2.6223	2.8666	9.6338	-.07522
SDev	.3285	.0637	1.1384	.37277	2.9116	3.1987
%RSD	192.7	1.415	43.411	13.004	30.223	4252.2

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.2669	2.1356	5.0000	11518
SDev	.58083	.9334	0	15.8395
%RSD	45.846	43.707	0	.13751

Method: TOTAL Sample Name: GC9AD Operator: LRW
Run Time: 04/02/04 01:04 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5037	74.25	6.5085	1629.	109.8	.1234
SDev	.1999	2.826	1.339	2.119	.0041	.0164
%RSD	39.69	3.806	20.572	.1301	.0037	13.28

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	133900.	.0966	4.125	.0722	-2.758	3192.
SDev	123.9	.1402	.1011	.9631	.4146	15.84
%RSD	.0925	145.1	2.451	1334	15.03	.4962

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8294.	20270.	145.4	3.152	142700.	1.702
SDev	78.17	14.66	.0216	.4927	556.9	.3042
%RSD	.9426	.0723	.0148	15.63	.3903	17.88

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.17780	-.45816	.52196	-.4298	-2.303	2.5696
SDev	.44062	.73261	.61985	.2207	.0001	1.1965
%RSD	247.82	159.9	118.75	51.36	.0037	46.565

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2076	6.061	-3.1221	.87182	2.0954	-.77955
SDev	.3838	.32	1.5348	.33215	.27162	.525
%RSD	184.8	5.279	49.157	38.098	12.963	67.347

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3695	.09881	5.0000	11470.9
SDev	.88431	1.3708	0	.42398
%RSD	64.57	1387.3	0	.00369

Method: TOTAL Sample Name: GC9AH Operator: LRW
Run Time: 04/02/04 01:09 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5235	68.57	4.2369	1687.	110.3	.1546
SDev	.5424	8.52	.75033	39.32	2.056	.0947
%RSD	103.6	12.42	17.71	2.33	1.865	61.25

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	135300.	-.0748	4.225	.3393	-3.568	3561.
SDev	2031	.0216	.1551	.3348	.2687	55.49
%RSD	1.501	28.89	3.672	98.68	7.531	1.558

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8700.	20720.	158.9	1.031	147400.	1.943
SDev	125.7	343.4	2.495	.9433	2370	.4562
%RSD	1.444	1.658	1.57	91.51	1.608	23.48

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.5390	.07476	2.2463	.2392	-1.853	4.2952
SDev	1.687	.4408	1.6209	1.764	.6266	1.6611
%RSD	66.445	589.63	72.16	737.5	33.81	38.672

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1925	4.620	-3.8705	2.0444	9.8597	-1.1159
SDev	.644	.1016	.53434	.3941	3.8078	.62822
%RSD	334.5	2.2	13.806	19.277	38.62	56.297

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.12344	3.4294	5.0000	11607.5
SDev	.59603	2.7278	0	144.674
%RSD	482.85	79.54	0	1.24638

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 01:15 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1003.	25090.	494.71	4697.	2003.	2030.
SDev	4.883	110.1	.98526	25.66	9.636	11.97
%RSD	.4867	.439	.19916	.5463	.4812	.5896

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49790.	500.7	1989.	1991.	1985.	24900.
SDev	362.8	2.885	11.8	13.57	5.697	157.2
%RSD	.7287	.5762	.5933	.6818	.287	.6313

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50470.	48940.	2062.	1948.	47520.	2013.
SDev	219.1	300.5	13.18	2.606	137.5	10.87
%RSD	.4342	.614	.6392	.1338	.2894	.5401

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	494.43	490.40	488.05	4956.	4868.	991.95
SDev	.90349	3.6173	3.9018	17.03	30.94	2.2806
%RSD	.18273	.73763	.79945	.3436	.6355	.2299

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1970.	2053.	486.97	492.11	484.66	499.31
SDev	13.1	9.943	4.2277	3.3126	3.2626	2.9834
%RSD	.6649	.4843	.86816	.67314	.67318	.59751

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	498.60	482.79	5.0000	11385.2
SDev	1.9702	4.8662	0	86.267
%RSD	.39514	1.0079	0	.75771

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 01:22 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0492	71.80	1.0164	-1.429	.3408	.6230
SDev	.3545	4.262	.40334	1.363	0	.149
%RSD	719.9	5.936	39.683	95.38	.006	23.91

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.70	-.0930	.1177	.3196	-3.903	1.515
SDev	6.447	.0522	.3018	0	.1164	4.615
%RSD	41.06	56.16	256.3	.0044	2.983	304.6

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.0	8.449	.3305	2.396	-377.4	-.3877
SDev	5.96	7.636	.1598	.4894	183.6	0
%RSD	3.547	90.38	48.35	20.42	48.65	.0122

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8529	.25182	1.0480	2.095	.7146	2.7583
SDev	1.4078	.95028	2.4316	2.046	.6063	4.2185
%RSD	75.977	377.36	232.02	97.64	84.86	152.94

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0125	.4366	-1.0350	.89427	3.0502	1.2552
SDev	.6537	.0579	2.6286	.11238	1.0738	1.5745
%RSD	5227	13.27	253.97	12.567	35.204	125.44

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.3020	.42193	5.0000	11553.1
SDev	2.0481	2.623	0	.42467
%RSD	88.97	621.66	0	.00367

Method: TOTAL Sample Name: GC9AK Operator: LRW
Run Time: 04/02/04 01:27 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8900	186.6	1.7566	100.9	37.68	.3576
SDev	.3529	2.838	.63955	.6109	.032	.0383
%RSD	39.65	1.521	36.409	.6057	.0849	10.71

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	68280.	.0838	1.606	71.06	-1.669	375.1
SDev	2.873	.1455	.0021	.3374	.0574	6.492
%RSD	.0042	173.7	.1314	.4749	3.439	1.731

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9716.	18130.	132.9	29.57	69740.	25.69
SDev	34.76	6.305	.0285	.3106	1.74	.0583
%RSD	.3578	.0348	.0214	1.051	.0025	.2269

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.5921	-1.0843	.36230	.4964	1.430	4.0335
SDev	2.5367	1.8292	1.3237	1.831	.003	1.5176
%RSD	97.863	168.71	365.37	368.8	.2131	37.625

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3075	3.569	-4.3947	.56843	8.1789	-.19716
SDev	.6563	.1059	1.4321	2.0275	2.7814	2.4145
%RSD	213.5	2.966	32.587	356.69	34.007	1224.6

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.8689	-.88911	5.0000	11548.8
SDev	1.4528	2.7099	0	24.6072
%RSD	50.639	304.79	0	.21307

Method: TOTAL Sample Name: GC9AN Operator: LRW
Run Time: 04/02/04 01:32 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5575	283.9	1.3476	40.88	44.80	.1904
SDev	.1004	1.988	.54908	.3845	.0633	.035
%RSD	18.01	.7003	40.746	.9406	.1412	18.41

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	82070.	.0979	.1138	.9873	-.5439	213.7
SDev	131.9	.0222	.1009	.5528	.4948	.1573
%RSD	.1607	22.7	88.69	55.99	90.97	.0736

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1950.	24240.	9.261	24.39	67750.	.4114
SDev	3.99	29.51	.0398	1.006	67.55	.1031
%RSD	.2046	.1218	.4293	4.125	.0997	25.06

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3420	.09549	.90965	-.0132	2.304	3.8392
SDev	2.2132	.40117	1.9448	.5143	.0018	1.4735
%RSD	164.92	420.08	213.8	3907	.0777	38.38

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0730	3.950	-4.3381	2.3090	10.319	-3.1398
SDev	.0013	.2908	.94508	1.0733	.59267	3.0223
%RSD	1.792	7.36	21.786	46.483	5.7434	96.259

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.1240	.30340	5.0000	11465.9
SDev	3.2266	1.3049	0	8.90926
%RSD	151.92	430.08	0	.0777

Method: TOTAL Sample Name: GC9AT Operator: LRW
Run Time: 04/02/04 01:36 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3948	802.0	20.039	154.4	17.95	.2317
SDev	.0996	3.817	.94348	.3237	.07	.003
%RSD	25.24	.4759	4.7082	.2097	.3896	1.304

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	115400.	-.0343	.8305	-.8304	-3.754	152.0
SDev	64.77	.0273	.811	.0012	.1473	5.815
%RSD	.0561	79.62	97.65	.1502	3.923	3.825

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29360.	104.0	1.713	16.02	78710.	2.134
SDev	66.72	.5038	.0458	.473	153.2	.5118
%RSD	.2273	.4846	2.672	2.953	.1946	23.98

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.7124	-.04521	2.9777	.1951	-1.152	3.8411
SDev	3.2518	.41902	2.4213	.3664	.0013	.70221
%RSD	119.89	926.75	81.315	187.7	.1147	18.281

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6202	2.033	-.75638	.30983	6.5399	.80152
SDev	.657	.1782	2.2044	.47232	6.05	1.8548
%RSD	105.9	8.763	291.44	152.44	92.509	231.41

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.5062	2.7138	5.0000	11465.1
SDev	.58981	3.3356	0	13.1526
%RSD	16.822	122.91	0	.11471

Method: TOTAL Sample Name: GC9A4 Operator: LRW
Run Time: 04/02/04 01:41 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1958	74.45	7.7587	131.2	205.5	.1157
SDev	.474	1.911	.01635	1.164	.2315	.0231
%RSD	242.1	2.567	.21077	.8874	.1127	19.95

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	114600.	.0084	-.3579	.3431	-4.013	2864.
SDev	19.59	.0049	.1557	.2367	.1293	4.959
%RSD	.0171	58.88	43.51	68.99	3.222	.1732

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2832.	51480.	23.81	3.354	114800.	-.4417
SDev	8.968	29.22	.1445	.2608	232	.5138
%RSD	.3166	.0568	.6069	7.775	.202	116.3

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.44279	-.77069	-1.7848	.5712	-2.028	5.7299
SDev	1.6059	1.0609	1.1523	.3013	.0055	1.0149
%RSD	362.68	137.65	64.563	52.75	.2717	17.713

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.9749	8.999	-2.4359	.06065	1.1663	.08159
SDev	.0552	.1807	1.7028	2.4406	1.7079	3.2604
%RSD	5.662	2.008	69.906	4023.7	146.44	3995.8

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.55274	-2.9518	5.0000	11397.7
SDev	.2976	1.8762	0	30.9718
%RSD	53.841	63.561	0	.27173

Method: TOTAL Sample Name: GC9A7 Operator: LRW
Run Time: 04/02/04 01:46 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4077	89.61	2.2752	50.23	26.48	.1956
SDev	.3018	4.918	1.2812	.3437	.0007	.0008
%RSD	74.03	5.489	56.311	.6843	.0025	.3893

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	219400.	.0354	.2547	-.2242	-3.554	1533.
SDev	82.89	.1408	.1021	.6462	.1185	.6321
%RSD	.0378	397.6	40.1	288.2	3.335	.0412

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3619.	59180.	87.44	2.814	34320.	1.651
SDev	14.1	50.85	.014	.4959	28.63	.8167
%RSD	.3896	.0859	.016	17.63	.0834	49.48

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4155	-1.0189	.82144	.6753	-3.476	3.5723
SDev	1.3927	.61529	.85901	.4442	.4096	4.4102
%RSD	98.396	60.39	104.57	65.78	11.78	123.46

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.018	2.376	-2.2158	-.42129	7.2405	-1.4927
SDev	.1652	.0629	1.9089	1.8755	1.8223	1.1783
%RSD	16.22	2.648	86.149	445.18	25.168	78.939

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.6940	-.11344	5.0000	11399
SDev	2.0699	2.3213	0	.28311
%RSD	76.831	2046.1	0	.00248

Method: TOTAL Sample Name: GC9A9 Operator: LRW
Run Time: 04/02/04 01:51 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4161	295.2	1.6602	153.1	99.11	.1629
SDev	.0864	2.616	2.6115	.1745	.0035	.0127
%RSD	20.77	.886	157.3	.114	.0035	7.823

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	181300.	.0622	.2917	.8350	-2.192	277.7
SDev	308.3	.0617	.4572	.0432	.3844	4.292
%RSD	.17	99.19	156.7	5.17	17.54	1.545

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2469.	36760.	79.78	6.813	145000.	1.859
SDev	6.4	48.44	.2117	.7335	8.574	.9202
%RSD	.2592	.1318	.2653	10.77	.0059	49.49

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.3666	-.17721	.91589	2.029	1.734	3.1348
SDev	2.7185	.53448	.51364	1.038	.8192	2.1061
%RSD	80.747	301.61	56.081	51.13	47.23	67.184

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5920	7.334	-3.7780	1.6205	10.203	-.04623
SDev	.3859	.0554	2.1202	.25716	3.2595	2.4484
%RSD	65.17	.7557	56.119	15.87	31.947	5296

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1052	.82139	5.0000	11425.7
SDev	2.6485	2.0923	0	11.7377
%RSD	239.64	254.73	0	.10273

Method: TOTAL Sample Name: GC9CD Operator: LRW
Run Time: 04/02/04 01:55 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5089	113.0	8.1649	107.8	239.5	.2303
SDev	.0434	6.207	.51132	.2543	.4595	.0149
%RSD	8.526	5.491	6.2624	.2358	.1918	6.478

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	129400.	-.0678	-.0687	.5137	-3.959	4016.
SDev	293.3	.0961	.1531	.1861	.0769	3.404
%RSD	.2267	141.6	222.8	36.22	1.943	.0847

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4120.	42960.	86.97	3.535	137100.	.3491
SDev	27.63	55.8	.0213	.0034	532.3	.6105
%RSD	.6706	.1299	.0245	.0955	.3881	174.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.6486	-.64227	.43793	2.765	-2.315	3.2152
SDev	1.2149	1.7739	1.1953	.1452	.0016	2.2562
%RSD	26.135	276.19	272.94	5.249	.0682	70.173

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.083	8.005	-2.9085	.48912	11.325	1.3155
SDev	.1656	.1863	1.4789	1.9212	.81634	2.229
%RSD	15.29	2.328	50.847	392.79	7.2085	169.44

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1348	.09003	5.0000	11410.7
SDev	.58995	2.0866	0	7.77817
%RSD	51.989	2317.5	0	.06816

Method: TOTAL Sample Name: GC9FP Operator: LRW
Run Time: 04/02/04 02:00 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1514	77.78	.37764	-4.818	-.0042	.1860
SDev	.0992	2.86	.04006	.0105	.0976	.0293
%RSD	65.53	3.677	10.609	.2172	2299	15.77

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	136.3	.0261	-.1652	-.5834	-4.043	157.7
SDev	30.6	.1326	.2018	.0019	.0366	4.172
%RSD	22.44	507.3	122.1	.3235	.9063	2.646

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	152.0	39.70	2.278	-.3727	-738.6	.0356
SDev	7.083	9.872	.0516	.9747	75.79	.1986
%RSD	4.66	24.87	2.267	261.5	10.26	558.3

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.4210	-.13171	-2.0255	1.623	.0000	5.3179
SDev	.60412	.56952	2.0603	.3603	0	1.2499
%RSD	17.66	432.39	101.72	22.2	0	23.503

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1360	1.258	-1.0249	.31422	9.3105	.48063
SDev	.2716	.258	.98172	.36373	1.521	1.6651
%RSD	199.7	20.51	95.784	115.76	16.337	346.44

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.82810	-3.4502	5.0000	11579.3
SDev	1.1544	2.5125	0	16.2634
%RSD	139.41	72.822	0	.14045

Method: TOTAL Sample Name: GC9V8 Operator: LRW
Run Time: 04/02/04 02:05 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1902	66.56	1.1903	-5.345	-.0740	.1694
SDev	.3234	1.57	.68635	.329	.0002	.0356
%RSD	170	2.359	57.663	6.155	.2285	21.03

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29.16	-.0078	-.0540	.0445	-4.461	1.114
SDev	6.505	.0735	.0489	.5391	.0307	3.92
%RSD	22.31	939.3	90.55	1211	.6892	351.9

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	155.4	3.902	-.1133	-.7228	-959.3	-.5400
SDev	14.16	5.069	.0154	.9706	214.6	.6003
%RSD	9.114	129.9	13.62	134.3	22.37	111.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.02012	-1.0334	-.28368	.6831	-.2833	4.2795
SDev	1.1359	.2689	2.4741	1.089	.0004	2.7431
%RSD	5644.8	26.021	872.14	159.3	.1237	64.098

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4415	1.160	-3.3923	.14422	5.7886	-2.9201
SDev	.0529	.0573	.5235	.66451	7.2171	1.9001
%RSD	11.98	4.941	15.432	460.74	124.68	65.07

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0285	-.93878	5.0000	11657.2
SDev	3.1966	2.1134	0	14.4253
%RSD	310.81	225.12	0	.12374

Method: TOTAL Sample Name: GC9WC Operator: LRW
Run Time: 04/02/04 02:10 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2517	152.1	3.4254	40.74	61.94	.2413
SDev	.2965	6.372	.98864	1.03	.3541	.017
%RSD	117.8	4.19	28.862	2.528	.5717	7.056

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29990.	-.0343	.0492	.2152	-3.933	111.3
SDev	57.38	.1279	.2004	.4086	.0049	.6797
%RSD	.1913	372.9	407.6	189.9	.1254	.6108

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2381.	23440.	9.023	6.342	24570.	-.8188
SDev	32.48	36.56	.0137	1.707	158.6	.8021
%RSD	1.364	.156	.152	26.91	.6455	97.96

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4711	-.92265	-.73988	.5375	1.423	3.9250
SDev	.89918	.88747	.50562	.1459	.0003	.93433
%RSD	36.387	96.188	68.338	27.15	.0232	23.805

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2841	5.677	-3.5659	.39699	8.7414	-.65931
SDev	.2697	.4119	1.0409	1.8502	2.9653	2.8285
%RSD	94.93	7.256	29.191	466.06	33.923	429.01

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.5116	-1.8639	5.0000	11602.7
SDev	2.0496	1.7813	0	2.68755
%RSD	135.59	95.567	0	.02316

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 02:16 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1006.	25150.	494.32	4664.	2001.	2031.
SDev	.1114	9.375	2.39	1.932	1.616	.5341
%RSD	.0111	.0373	.48348	.0414	.0808	.0263

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49690.	501.5	1986.	1990.	1991.	24890.
SDev	67.57	.0493	2.171	2.138	3.852	9.29
%RSD	.136	.0098	.1093	.1074	.1935	.0373

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50680.	48980.	2041.	1945.	47770.	2026.
SDev	117.5	1.812	1.759	14.62	19.16	1.786
%RSD	.2319	.0037	.0862	.7516	.0401	.0881

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	494.84	487.94	488.18	4973.	4857.	989.23
SDev	3.738	2.8351	.82663	4.411	.1091	5.5177
%RSD	.75539	.58104	.16932	.0887	.0022	.55777

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1970.	2060.	487.09	488.37	487.31	498.61
SDev	.4254	2.016	.51131	4.5059	6.6654	2.2765
%RSD	.0216	.0979	.10497	.92263	1.3678	.45658

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	500.25	482.16	5.0000	11382.5
SDev	.24531	1.1168	0	8.90926
%RSD	.04903	.23162	0	.07827

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 02:23 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3311	77.57	.61591	-2.174	.2021	.7219
SDev	.0989	5.288	.60202	.6828	.1947	.1323
%RSD	29.88	6.817	97.744	31.41	96.34	18.33

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.778	.1301	-.1296	.4754	-4.581	2.926
SDev	3.696	.1674	.0501	.1355	.0513	5.273
%RSD	63.97	128.7	38.61	28.5	1.12	180.2

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.3	4.291	.2611	2.906	-444.3	.1068
SDev	3.422	5.448	.1277	.7336	74.66	.5019
%RSD	2.033	126.9	48.92	25.25	16.8	470.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.52827	.12026	2.6191	1.881	1.141	2.7628
SDev	1.3668	.37764	.03276	1.748	.0003	1.7417
%RSD	258.73	314.02	1.251	92.94	.0305	63.043

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2060	.5545	-1.2364	.79758	3.8879	-1.1490
SDev	.271	.1188	.93739	1.0342	5.6476	.7704
%RSD	131.6	21.42	75.815	129.66	145.26	67.05

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.78651	4.3193	5.0000	11578.7
SDev	1.1564	.62643	0	3.53553
%RSD	147.02	14.503	0	.03053

Method: TOTAL Sample Name: GC9WD Operator: LRW
Run Time: 04/02/04 02:28 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4305	95.95	4.4000	98.70	179.4	.3782
SDev	.1285	.4397	1.0513	.6128	.4847	.0263
%RSD	29.84	.4582	23.894	.6209	.2701	6.951

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	75390.	.0326	.0817	-.3435	-3.694	1325.
SDev	24.33	.0233	.15	.4132	.1192	5.086
%RSD	.0323	71.39	183.7	120.3	3.226	.3838

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2724.	18420.	302.9	18.33	29160.	1.607
SDev	18.61	6.282	.1904	.9364	220.9	1.001
%RSD	.6832	.0341	.0628	5.109	.7576	62.27

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4366	-.48032	-.96627	.5458	-.4283	4.4786
SDev	4.5155	1.4788	2.1289	.4345	.6056	3.006
%RSD	185.32	307.88	220.32	79.61	141.4	67.12

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6129	1.566	-4.5045	1.5287	3.5480	1.8817
SDev	.0543	.2802	2.0277	1.2048	5.3491	4.0993
%RSD	8.86	17.89	45.017	78.808	150.77	217.85

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2862	-.80654	5.0000	11548.2
SDev	.85875	3.6205	0	24.8896
%RSD	66.767	448.89	0	.21552

Method: TOTAL Sample Name: GC9WDL Operator: LRW
Run Time: 04/02/04 02:32 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7286	77.14	1.3453	16.43	35.26	.2769
SDev	.0568	1.294	1.0456	.1775	.0095	.0345
%RSD	7.791	1.677	77.722	1.08	.027	12.47

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15020.	-.0942	-.2352	-.1015	-4.596	267.5
SDev	4.052	.0803	.1001	.4082	.2858	6.514
%RSD	.027	85.19	42.54	402	6.218	2.435

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	613.2	3608.	60.15	2.906	5690.	-1.528
SDev	19.13	9.311	.0801	.245	184.7	0
%RSD	3.12	.2581	.1331	8.432	3.246	.0025

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.1586	-.62796	1.9769	-.3871	-.4274	.00072
SDev	.09769	1.5463	.78462	1.02	.6045	.72362
%RSD	4.5259	246.25	39.689	263.4	141.4	99458

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3285	3.701	-1.6601	-.11268	3.1480	1.6646
SDev	.2167	.0022	.54727	2.0451	.53213	.41213
%RSD	65.96	.0587	32.967	1815	16.904	24.758

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.64880	2.6400	5.0000	11585.6
SDev	.28497	1.0341	0	3.11085
%RSD	43.923	39.17	0	.02685

Method: TOTAL Sample Name: GDAM6B Operator: LRW
Run Time: 04/02/04 02:40 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4986	99.04	1.3691	-3.901	.5760	.2191
SDev	.4497	1.179	1.4649	.6874	.0473	.0294
%RSD	90.2	1.191	107	17.62	8.214	13.42

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	288.3	-.0966	-.3017	.4636	-3.893	99.36
SDev	2.306	.0954	.3978	.0483	.0933	2.744
%RSD	.7999	98.66	131.8	10.42	2.396	2.762

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	182.5	19.74	1.434	.1366	-337.9	-.3967
SDev	3.548	1.395	.045	.2406	51.04	1.201
%RSD	1.944	7.066	3.141	176.2	15.1	302.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0585	-.01477	1.4868	H34.52	.0000	4.9373
SDev	2.1186	.95305	.01147	3.746	0	3.3754
%RSD	102.92	6450.8	.77174	10.85	0	68.365

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0989	14.37	-2.5295	1.2407	4.8459	.66693
SDev	.3249	.2747	1.3514	.7542	.28191	3.0356
%RSD	328.4	1.911	53.424	60.789	5.8177	455.16

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.61994	1.9196	5.0000	11641.9
SDev	.29234	.16315	0	15.6979
%RSD	47.157	8.4995	0	.13483

Method: TOTAL Sample Name: GDAM6C Operator: LRW
Run Time: 04/02/04 02:44 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.07	1972.	1752.8	L759.4	1766.	46.18
SDev	.4324	10.08	.85168	1.379	.7252	.0079
%RSD	.8997	.511	.04859	.1816	.0411	.0171

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46990.	45.54	444.6	182.4	230.0	953.9
SDev	.058	.037	.0591	.0286	.218	3.477
%RSD	.0001	.0813	.0133	.0157	.0948	.3645

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46820.	44670.	458.8	846.7	45150.	455.6
SDev	12.97	9.463	.016	2.108	147.5	3.76
%RSD	.0277	.0212	.0035	.249	.3268	.8253

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1769.6	445.86	438.77	1819.	877.5	1787.3
SDev	4.9568	1.1418	5.8013	8.282	.0712	1.2487
%RSD	.2801	.25609	1.3222	.4552	.0081	.06986

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	436.4	473.1	447.00	445.29	1722.0	1793.4
SDev	.1907	1.748	.64731	1.3887	11.954	1.4637
%RSD	.0437	.3695	.14481	.31186	.69417	.08161

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	445.64	435.35	5.0000	11451.4
SDev	5.9244	5.7399	0	38.1838
%RSD	1.3294	1.3184	0	.33344

Method: TOTAL Sample Name: GC5DK Operator: LRW
Run Time: 04/02/04 02:50 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3767	1009.	.28414	38.28	78.38	.2693
SDev	.1554	.6064	1.0962	1.271	.0398	.0043
%RSD	41.24	.0601	385.8	3.32	.0508	1.61

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22750.	.3763	.4037	6.290	22.88	1324.
SDev	12.23	.0339	.2991	.6016	.2587	10.15
%RSD	.0538	9.014	74.08	9.565	1.131	.7664

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	59510.	6549.	57.42	5.814	205.7	1.510
SDev	276.8	9.6	.0529	1.954	77.65	.0944
%RSD	.4651	.1466	.0922	33.61	37.75	6.251

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.0095	23.110	5.8234	33.90	17.30	7.9227
SDev	4.3506	1.5834	.66683	1.439	.0301	.98427
%RSD	86.848	6.8514	11.451	4.243	.1737	12.423

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.668	193.0	20.505	24.411	7.7501	3.6412
SDev	.1676	.3865	1.1215	1.814	10.741	1.16
%RSD	10.05	.2002	5.4695	7.431	138.6	31.857

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.8664	6.8004	5.0000	11642.7
SDev	.31187	.84404	0	20.223
%RSD	8.0662	12.412	0	.17369

Method: TOTAL Sample Name: GC5DKS Operator: LRW
Run Time: 04/02/04 02:54 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47.10	3699.	1742.6	791.1	1829.	45.87
SDev	.3606	12.33	.7437	.7371	1.043	.1016
%RSD	.7656	.3332	.04267	.0932	.0571	.2215

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	70010.	45.32	446.0	188.8	268.6	2571.
SDev	55.65	.1649	.4262	.3182	.7216	5
%RSD	.0795	.3639	.0955	.1686	.2687	.1945

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	113200.	51570.	549.1	851.6	46190.	452.1
SDev	171.4	66.37	.4957	.2342	139.5	.2429
%RSD	.1513	.1287	.0903	.0275	.3021	.0537

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1765.9	474.74	425.19	1729.	849.2	1778.1
SDev	.97909	.25683	2.8525	4.529	1.01	1.4466
%RSD	.05544	.0541	.67087	.262	.1189	.08135

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	437.9	676.3	474.68	474.77	1723.1	1787.3
SDev	.1876	1.82	2.424	1.5952	7.4915	2.2722
%RSD	.0428	.2691	.51065	.336	.43477	.12712

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	435.30	420.14	5.0000	11484.4
SDev	3.3531	2.6025	0	16.405
%RSD	.7703	.61943	0	.14284

Method: TOTAL Sample Name: GC5DKD Operator: LRW
Run Time: 04/02/04 02:59 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46.41	3159.	1721.4	772.7	1812.	45.38
SDev	.3888	.4894	7.7053	3.492	3.084	.1323
%RSD	.8378	.0155	.44761	.452	.1702	.2916

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	69000.	44.95	439.3	183.8	262.0	2007.
SDev	258.2	.2795	1.658	.564	.4232	11.4
%RSD	.3743	.6217	.3775	.3069	.1615	.5681

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	111200.	51040.	516.7	839.9	45220.	446.8
SDev	44.03	192.4	1.302	.2533	24.22	1.001
%RSD	.0396	.377	.252	.0302	.0536	.224

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1735.9	457.06	429.87	1708.	828.7	1752.2
SDev	1.4265	2.2568	.8495	7.25	2.716	.02511
%RSD	.08217	.49376	.19761	.4245	.3277	.00143

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	429.6	648.9	454.49	458.34	1689.8	1759.0
SDev	1.265	2.866	2.8907	1.9403	4.5889	4.4295
%RSD	.2944	.4417	.63601	.42334	.27155	.25182

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	435.48	427.07	5.0000	11505.7
SDev	.15014	1.3486	0	23.6176
%RSD	.03447	.31577	0	.20526

Method: TOTAL Sample Name: GC5EV Operator: LRW
Run Time: 04/02/04 03:05 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3758	1296.	2.6976	31.08	75.42	.2871
SDev	.2266	3.127	.52189	.4827	.2028	.0082
%RSD	60.3	.2412	19.347	1.553	.2689	2.867

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28460.	.3622	1.251	19.82	34.56	1612.
SDev	24.32	.0376	.1026	.2984	.154	1.388
%RSD	.0854	10.37	8.198	1.506	.4457	.0861

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54760.	5683.	279.9	22.34	1519.	5.125
SDev	269.9	5.561	.2801	2.511	163.4	1.98
%RSD	.4929	.0978	.1001	11.24	10.76	38.64

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.9269	248.47	6.3667	35.56	18.33	7.1883
SDev	.98105	.02946	.74381	.7036	.14	.92708
%RSD	14.163	.01185	11.683	1.978	.7641	12.897

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.750	311.0	246.27	249.56	9.8244	5.4804
SDev	.0404	.4897	.58495	.3362	2.1988	.37308
%RSD	1.47	.1575	.23753	.13471	22.381	6.8076

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	5.7847	6.6573	5.0000	11619.9
SDev	.04261	1.0939	0	38.6078
%RSD	.7366	16.432	0	.33225

Method: TOTAL Sample Name: GC5EX Operator: LRW
Run Time: 04/02/04 03:09 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1350	2186.	5.1294	28.51	87.77	.3740
SDev	.1983	6.906	2.2599	.1756	.1092	.0186
%RSD	146.9	.316	44.059	.6159	.1244	4.972

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24280.	.0408	1.467	51.22	52.96	3268.
SDev	37.29	.1624	.201	.28	.2452	6.156
%RSD	.1536	397.7	13.7	.5467	.4629	.1884

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48060.	5553.	109.9	1.906	-125.3	6.439
SDev	88.61	8.011	.1106	.2447	91.49	.8058
%RSD	.1844	.1443	.1006	12.84	73.03	12.51

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.5251	246.91	2.8398	39.91	36.82	5.7379
SDev	3.3448	1.6037	.77212	3.581	1.61	1.6469
%RSD	73.917	.64948	27.19	8.972	4.372	28.703

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.706	376.0	245.89	247.42	9.3170	2.1327
SDev	.2708	2.348	1.041	2.924	7.7721	1.1345
%RSD	5.755	.6245	.42337	1.1818	83.419	53.194

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.8417	2.3396	5.0000	11567.9
SDev	2.0414	.13844	0	1.55577
%RSD	53.138	5.9176	0	.01344

Method: TOTAL Sample Name: GC5E1 Operator: LRW
Run Time: 04/02/04 03:14 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7079	821.9	2.4665	21.11	78.39	.2441
SDev	.2387	7.785	.29087	.8065	.0927	.0344
%RSD	33.71	.9473	11.793	3.821	.1183	14.1

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23660.	.3329	.4376	14.49	47.52	2200.
SDev	18.84	.0343	.2495	.026	.1485	7.911
%RSD	.0796	10.29	57.03	.1792	.3124	.3596

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	56420.	4403.	155.6	7.547	-342.8	6.607
SDev	83.79	8.1	.2476	1.468	59.2	.1098
%RSD	.1485	.184	.1591	19.45	17.27	1.662

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9005	175.92	2.2306	34.09	14.48	3.4740
SDev	.53291	1.4521	1.5031	.332	.7859	.31343
%RSD	28.041	.82544	67.385	.9739	5.428	9.0224

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.763	296.7	172.67	177.54	3.8245	.93993
SDev	.3201	.8154	.63983	2.4965	2.3608	.37968
%RSD	18.15	.2748	.37054	1.4062	61.73	40.395

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.9707	1.8611	5.0000	11631.3
SDev	2.0095	1.2503	0	13.7174
%RSD	67.644	67.18	0	.11793

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 03:21 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1006.	25130.	491.00	4635.	2001.	2031.
SDev	.9256	10.15	3.4815	3.325	1.419	1.128
%RSD	.092	.0404	.70906	.0717	.0709	.0556

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49690.	501.6	1986.	1991.	1988.	24870.
SDev	.1823	.2606	.9816	.5203	.6559	16.05
%RSD	.0004	.052	.0494	.0261	.033	.0645

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50650.	48950.	2044.	1947.	47740.	2030.
SDev	56.88	8.306	1.297	15.34	37.08	1.908
%RSD	.1123	.017	.0635	.7879	.0777	.094

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	496.97	488.15	487.70	4970.	4846.	987.87
SDev	2.097	.28544	.59668	2.713	1.326	3.6533
%RSD	.42196	.05847	.12234	.0546	.0274	.36981

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1968.	2062.	485.93	489.26	481.58	504.65
SDev	.0664	.4012	.59983	.12848	.17038	3.2291
%RSD	.0034	.0194	.12344	.02626	.03538	.63986

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	501.29	480.91	5.0000	11397.4
SDev	.18191	.80375	0	14.7077
%RSD	.03628	.16713	0	.12904

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 03:28 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2304	81.47	-1.2388	-1.238	.3384	.7846
SDev	.4656	1.496	.95855	.3538	.0978	.1023
%RSD	202.1	1.836	77.376	28.59	28.89	13.04

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.373	-.1463	.3324	.0536	-4.555	10.84
SDev	1.009	.0056	.0003	.1839	.0919	1.979
%RSD	42.5	3.799	.0801	343.2	2.016	18.25

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	162.9	6.041	.3383	2.035	-434.4	-.3229
SDev	8.492	7.992	.176	.0046	375	.4995
%RSD	5.214	132.3	52.04	.2258	86.34	154.7

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.5504	-.20036	3.2641	2.595	1.138	6.6690
SDev	1.6217	1.3959	1.3614	.7325	.0015	1.6932
%RSD	63.586	696.68	41.708	28.23	.1328	25.389

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0549	.4287	-.73892	.06851	3.6022	2.0253
SDev	.0533	.1204	.80486	2.4946	6.0777	.603
%RSD	97.14	28.08	108.92	3640.8	168.72	29.774

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.4972	3.6470	5.0000	11605.1
SDev	.58232	2.3318	0	15.4148
%RSD	23.319	63.937	0	.13282

Method: TOTAL Sample Name: GC5E2 Operator: LRW
Run Time: 04/02/04 03:33 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3633	344.9	-2.1734	14.47	41.55	.4102
SDev	.3248	1.361	1.0252	.5114	.0445	.082
%RSD	89.41	.3946	47.173	3.533	.107	19.98

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18690.	.1497	.2614	3.135	17.24	423.3
SDev	7.336	.0186	.0003	.453	.1704	6.61
%RSD	.0393	12.4	.0965	14.45	.9882	1.561

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	65520.	5284.	101.3	9.617	-258.2	-.0387
SDev	186.7	5.275	.2326	.0011	207.6	1.304
%RSD	.285	.0998	.2296	.0119	80.4	3366

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.0301	14.390	-.96223	36.29	5.692	4.1549
SDev	.56868	2.4854	.1637	1.386	.0006	1.6589
%RSD	11.306	17.272	17.013	3.819	.0098	39.925

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0215	289.6	14.092	14.538	9.1964	2.9500
SDev	.7589	.4407	1.9588	4.7041	.77473	.46582
%RSD	3535	.1522	13.9	32.357	8.4243	15.791

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1016	-1.9926	5.0000	11602.8
SDev	.29396	.09866	0	1.13178
%RSD	26.685	4.9516	0	.00975

Method: TOTAL Sample Name: GC5E3 Operator: LRW
Run Time: 04/02/04 03:38 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2088	377.6	.30788	26.21	72.03	.3163
SDev	.9878	2.58	2.0347	.2089	.0739	.0138
%RSD	473	.6834	660.84	.797	.1026	4.377

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25200.	.4937	.2260	3.839	31.21	496.1
SDev	44.18	.2097	.35	.6403	.0624	3.782
%RSD	.1753	42.48	154.8	16.68	.1998	.7623

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52550.	4970.	68.76	14.26	-258.5	1.449
SDev	192.1	14.15	.0708	.2595	192.1	.0032
%RSD	.3656	.2847	.103	1.82	74.3	.2202

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.7805	15.560	2.4502	36.37	5.689	3.6184
SDev	.42445	1.4086	1.5483	.1796	.0058	1.2321
%RSD	11.227	9.0525	63.191	.4937	.1023	34.05

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6314	308.8	14.169	16.255	9.7828	.78380
SDev	.3809	.549	2.5276	3.3737	1.4391	1.3548
%RSD	60.32	.1778	17.839	20.755	14.711	172.86

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.5804	2.3853	5.0000	11607.8
SDev	1.7427	3.1914	0	11.8793
%RSD	67.538	133.8	0	.10233

Method: TOTAL Sample Name: GC5E7 Operator: LRW
Run Time: 04/02/04 03:42 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5775	318.9	.04615	21.03	49.12	.1869
SDev	.1262	4.297	1.6795	.3838	.0182	.0351
%RSD	21.86	1.347	3638.9	1.825	.037	18.75

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16850.	.1492	-.0569	2.393	25.57	376.0
SDev	8.273	.0075	.2511	.2322	.1906	.1622
%RSD	.0491	5.012	441.6	9.703	.7454	.0431

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	61810.	3652.	63.16	3.757	-511.7	.5264
SDev	97.47	6.253	.1019	1.467	48.67	.1031
%RSD	.1577	.1712	.1613	39.04	9.512	19.59

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.1540	2.5463	.58301	32.44	5.259	3.4263
SDev	.77392	.67257	.79185	3.806	.596	4.3562
%RSD	35.93	26.413	135.82	11.73	11.33	127.14

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2042	201.7	-1.2717	4.4525	6.0665	.20071
SDev	.0025	.0996	1.2276	.39547	3.1671	2.7415
%RSD	1.211	.0494	96.531	8.8822	52.206	1365.8

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0448	.35248	5.0000	11614.9
SDev	.27529	1.3246	0	15.6979
%RSD	26.35	375.79	0	.13515

Method: TOTAL Sample Name: GC5E7L Operator: LRW
Run Time: 04/02/04 03:47 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7900	139.8	1.5207	.0612	9.552	.2359
SDev	.2678	.0095	1.7409	.169	.1451	.0164
%RSD	33.9	.0068	114.48	276.1	1.519	6.933

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3323.	-.0926	-.5154	.0190	1.957	77.22
SDev	.9973	.0295	.1001	.5884	.0001	1.308
%RSD	.03	31.92	19.42	3098	.0061	1.694

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11730.	711.5	12.20	1.514	-565.1	-.8910
SDev	13.73	.3437	.0162	1.216	207.4	.3003
%RSD	.1171	.0483	.1327	80.28	36.7	33.71

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.92506	1.0236	.78533	6.285	.8522	3.5978
SDev	.19316	1.1584	.62464	.4355	0	2.0188
%RSD	20.881	113.17	79.539	6.929	.0024	56.112

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1730	48.28	-1.5968	2.3318	1.5954	.59040
SDev	.2174	.3773	1.5351	.97026	.37322	.10326
%RSD	125.7	.7814	96.138	41.61	23.394	17.491

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.43450	.96049	5.0000	11623.8
SDev	1.7316	.072	0	.28242
%RSD	398.52	7.4965	0	.00242

Method: TOTAL Sample Name: GC5E7S Operator: LRW
Run Time: 04/02/04 03:52 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47.30	2707.	1722.5	779.7	1813.	45.57
SDev	.2523	12.7	4.2701	.4369	2.196	.0587
%RSD	.5335	.4693	.24789	.056	.1211	.1288

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	62070.	44.82	441.5	187.9	260.8	1704.
SDev	1.16	.1037	.0032	.0313	.4115	18.56
%RSD	.0019	.2315	.0007	.0166	.1578	1.089

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	104500.	47170.	519.9	842.3	45420.	450.2
SDev	222.6	11.77	.0842	.1159	101.5	.4882
%RSD	.2129	.025	.0162	.0138	.2235	.1085

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1740.6	464.07	427.85	1947.	865.0	1754.3
SDev	2.9891	1.5499	4.9928	1.53	.0278	1.7764
%RSD	.17173	.33398	1.167	.0786	.0032	.10125

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	431.7	621.3	462.88	464.67	1697.2	1762.3
SDev	.1797	.9853	.30799	2.17	.90969	4.0272
%RSD	.0416	.1586	.06654	.46699	.05359	.22852

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	433.77	424.90	5.0000	11454.1
SDev	4.0219	5.4775	0	18.5263
%RSD	.9272	1.2891	0	.16174

Method: TOTAL Sample Name: GC5E7D Operator: LRW
Run Time: 04/02/04 03:57 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46.29	3348.	1686.1	751.4	1794.	44.55
SDev	.3656	9.927	5.9988	2.688	4.659	.0712
%RSD	.7898	.2965	.35577	.3578	.2597	.1599

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	64970.	43.72	430.6	189.3	257.5	2146.
SDev	208.1	.0081	.7732	1.033	.9325	12.05
%RSD	.3203	.0186	.1796	.5455	.3621	.5617

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	111300.	47320.	529.7	824.2	44490.	439.6
SDev	95.5	153.3	1.857	5.47	97.62	.6776
%RSD	.0858	.324	.3505	.6636	.2194	.1541

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1705.9	476.65	412.66	1728.	849.2	1717.7
SDev	1.3219	1.202	.37916	9.314	2.763	4.5647
%RSD	.07749	.25218	.09188	.539	.3253	.26574

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	422.7	650.5	473.06	478.44	1659.9	1728.8
SDev	1.97	1.157	1.6957	.95554	5.7532	.89027
%RSD	.466	.1779	.35845	.19972	.34659	.05149

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	419.77	409.11	5.0000	11533.2
SDev	2.5642	.71168	0	4.52575
%RSD	.61084	.17395	0	.03924

Method: TOTAL Sample Name: GDAMWB Operator: LRW
Run Time: 04/02/04 04:04 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2599	81.40	1.4956	-4.615	.8844	.2327
SDev	.3376	2.428	.44792	.0135	.0949	.013
%RSD	129.9	2.983	29.95	.2923	10.73	5.59

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	258.8	.0360	-.4436	.6560	-4.002	8.054
SDev	3.082	.0948	.1976	.1401	.395	3.279
%RSD	1.191	263.4	44.54	21.35	9.87	40.71

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	217.7	33.04	1.581	-.2070	-477.9	-.3955
SDev	3.906	.0864	.0036	.2407	101	1.402
%RSD	1.794	.2615	.2263	116.3	21.12	354.5

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4467	-.46072	4.4927	H32.33	.4252	5.2616
SDev	3.1873	.13524	2.9014	.2309	.6013	3.9691
%RSD	130.27	29.356	64.581	.714	141.4	75.434

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0963	12.67	-1.9637	.28962	2.2886	2.5256
SDev	.3253	.1569	1.7395	.66565	3.6432	2.9597
%RSD	337.8	1.238	88.582	229.84	159.19	117.19

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.6925	4.8922	5.0000	11635.3
SDev	.58155	4.6403	0	20.5061
%RSD	15.75	94.852	0	.17624

Method: TOTAL Sample Name: GDAMWC Operator: LRW
Run Time: 04/02/04 04:09 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47.73	1957.	1735.7	L744.3	1750.	45.69
SDev	.1378	14.88	1.5762	1.949	5.796	.2313
%RSD	.2886	.7605	.09081	.2618	.3312	.5061

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46310.	45.06	438.6	179.6	227.0	942.8
SDev	138.3	.2578	1.422	1.272	1.19	.0534
%RSD	.2986	.5721	.3243	.7082	.5243	.0057

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46460.	44200.	452.3	833.8	44540.	450.8
SDev	77.04	143.3	1.447	.7793	3.712	5.217
%RSD	.1658	.3242	.32	.0935	.0083	1.157

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1756.6	440.86	432.59	1799.	865.2	1764.4
SDev	7.8358	2.046	3.3342	3.622	1.996	2.6165
%RSD	.44607	.4641	.77075	.2014	.2307	.14829

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	429.1	468.8	440.93	440.82	1703.8	1783.0
SDev	1.712	2.672	.5324	2.8017	13.297	5.1092
%RSD	.399	.57	.12074	.63557	.78044	.28655

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	440.53	428.63	5.0000	11500.9
SDev	5.2555	2.375	0	40.022
%RSD	1.193	.55408	0	.34798

Method: TOTAL Sample Name: GC9QP Operator: LRW
Run Time: 04/02/04 04:14 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8687	22600.	469.94	23.10	339.6	2.638
SDev	.4638	60.05	4.8666	1.203	.6813	.0429
%RSD	53.39	.2657	1.0356	5.209	.2006	1.627

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	460200.	6.059	24.76	146.9	559.0	291500.
SDev	117.3	.0004	.0332	.395	2.086	49.67
%RSD	.0255	.0063	.1341	.269	.3732	.017

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2939.	280200.	5218.	24.60	335.4	81.01
SDev	2.807	406.3	9.275	1.194	7.707	.6546
%RSD	.0955	.145	.1778	4.854	2.298	.8081

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.2040	162.88	2.9242	33.27	260.0	12.408
SDev	3.8883	.36721	1.004	.0484	1.778	.92517
%RSD	121.36	.22545	34.334	.1454	.6839	7.4562

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	98.00	1641.	156.09	166.26	1.6829	3.9633
SDev	.2893	4.725	.10963	.60528	6.7316	2.4688
%RSD	.2952	.2879	.07023	.36405	399.99	62.291

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.3193	2.7270	5.0000	11683.5
SDev	1.1567	.92777	0	8.06129
%RSD	34.848	34.022	0	.06899

Method: TOTAL Sample Name: GC89T Operator: LRW
Run Time: 04/02/04 04:19 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7808	39840.	21.408	17.07	234.0	2.352
SDev	.0688	54.18	.14536	.1719	.5149	.0095
%RSD	8.807	.136	.67902	1.007	.2201	.4035

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44860.	.7352	21.97	76.09	60.36	54680.
SDev	22.03	.0301	.0536	.3807	.3045	48.57
%RSD	.0491	4.093	.2442	.5004	.5044	.0888

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2338.	14670.	1002.	1.992	-417.2	62.76
SDev	3.391	35.43	1.588	.7125	48.39	.0145
%RSD	.1451	.2415	.1585	35.77	11.6	.0232

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.2033	43.648	2.1030	26.52	655.6	4.6505
SDev	.51355	.37955	.79859	1.354	4.56	.51382
%RSD	6.2604	.86958	37.974	5.105	.6956	11.049

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	107.1	218.8	39.253	45.843	9.9875	7.3124
SDev	.132	.1416	.96069	1.0487	4.0617	2.7978
%RSD	.1233	.0647	2.4475	2.2875	40.668	38.26

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.1578	2.0756	5.0000	11901.9
SDev	.58002	.9077	0	2.68686
%RSD	26.881	43.732	0	.02257

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 04:26 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1009.	25210.	494.30	4622.	2004.	2036.
SDev	1.816	38.52	3.0633	.9723	1.393	3.699
%RSD	.18	.1528	.61971	.021	.0695	.1817

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49860.	503.1	1991.	1995.	1990.	24890.
SDev	93.18	.9571	4.056	3.082	3.074	48.03
%RSD	.1869	.1902	.2037	.1545	.1544	.193

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50730.	49160.	2064.	1949.	47870.	2041.
SDev	42.99	116	3.773	8.704	23.01	4.161
%RSD	.0847	.2359	.1828	.4466	.0481	.2039

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	499.12	488.82	487.17	4989.	4850.	988.41
SDev	.04358	.80768	.55316	5.311	5.416	3.6649
%RSD	.00873	.16523	.11354	.1065	.1117	.37079

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1968.	2068.	488.22	489.12	488.23	504.55
SDev	3.042	3.48	.42034	1.0011	4.0251	1.9442
%RSD	.1546	.1683	.08609	.20466	.82443	.38532

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	498.71	481.40	5.0000	11425.4
SDev	.95887	1.308	0	11.3137
%RSD	.19226	.27171	0	.09902

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 04:33 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1582	76.14	.90798	-2.313	.4417	.7629
SDev	.3101	.3938	.75651	1.554	.2445	.1407
%RSD	196	.5172	83.318	67.19	55.35	18.45

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.41	.1093	.5098	.6318	-4.344	17.82
SDev	7.559	.0195	.35	.6418	.7715	2.655
%RSD	56.36	17.84	68.66	101.6	17.76	14.9

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.6	13.21	.4961	2.209	-346.2	.1046
SDev	6.744	5.15	.2413	1.228	85.89	1.108
%RSD	3.999	38.98	48.65	55.58	24.81	1059

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.2695	-.35409	1.1514	2.803	1.709	3.4558
SDev	4.9718	.72019	.65388	1.757	.8097	.57059
%RSD	152.07	203.39	56.791	62.69	47.39	16.511

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1756	.7546	-1.1746	.05555	5.5955	2.1082
SDev	.2746	.0572	1.2762	.44261	4.6282	5.1434
%RSD	156.4	7.579	108.65	796.74	82.712	243.97

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.6717	.89160	5.0000	11603.3
SDev	.56927	.69611	0	32.6685
%RSD	34.053	78.075	0	.28154

Method: TOTAL Sample Name: GC89TS Operator: LRW
Run Time: 04/02/04 04:37 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45.07	64190.	1692.1	718.4	1962.	46.30
SDev	.4429	95.28	5.1571	.9776	3.714	.1065
%RSD	.9826	.1484	.30476	.1361	.1892	.2301

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	92630.	43.43	446.4	271.7	286.5	63610.
SDev	33.59	.1562	.4115	.0082	1.642	69.61
%RSD	.0363	.3596	.0922	.003	.5733	.1094

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51880.	60750.	1763.	782.0	43460.	504.9
SDev	44.01	56.5	1.153	3.559	45.64	4.836
%RSD	.0848	.093	.0654	.4551	.105	.9579

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1676.1	465.54	191.46	1615.	2043.	1671.7
SDev	.3671	.84978	.95449	2.182	.6195	8.8274
%RSD	.0219	.18253	.49854	.1351	.0303	.52805

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	560.8	702.6	462.35	467.13	1627.2	1700.5
SDev	1.416	2.102	1.1066	.72156	3.3962	2.2459
%RSD	.2525	.2991	.23934	.15446	.20871	.13207

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	195.07	189.65	5.0000	11781.4
SDev	3.4131	.27295	0	13.859
%RSD	1.7497	.14392	0	.11763

Method: TOTAL Sample Name: GC89TD Operator: LRW
Run Time: 04/02/04 04:42 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46.61	59170.	1741.5	748.5	1992.	47.31
SDev	.2471	48.23	7.261	1.614	1.465	.0653
%RSD	.5302	.0815	.41694	.2156	.0735	.1381

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	90680.	44.91	460.1	266.7	286.4	60740.
SDev	306.1	.0208	.6052	1.19	.0322	132.2
%RSD	.3376	.0463	.1315	.4462	.0112	.2176

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53170.	60960.	1715.	810.5	44930.	511.7
SDev	145.1	113.8	3.239	1.754	47.15	.4527
%RSD	.2729	.1866	.1888	.2164	.1049	.0885

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1728.1	476.65	212.32	1677.	1952.	1727.8
SDev	3.1134	.99352	.65264	4.105	2.822	.75181
%RSD	.18016	.20843	.30738	.2448	.1446	.04351

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	559.9	684.7	470.55	479.70	1680.2	1752.0
SDev	.4305	.5628	2.6802	.15144	.00414	4.6657
%RSD	.0769	.0822	.56958	.03157	.00024	.2663

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	213.59	211.69	5.0000	11726.7
SDev	.1945	.88136	0	.99022
%RSD	.09106	.41635	0	.00844

Method: TOTAL Sample Name: GC89W Operator: LRW
Run Time: 04/02/04 04:48 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0076	31240.	31.703	14.97	101.9	1.368
SDev	.0707	7.574	1.4487	.8416	.0262	.0428
%RSD	924.4	.0242	4.5694	5.62	.0257	3.127

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	294300.	.8440	42.77	94.01	34.75	56530.
SDev	174.5	.0139	.2903	.0203	.275	78.33
%RSD	.0593	1.643	.6787	.0215	.7915	.1386

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2061.	140400.	1081.	7.085	4323.	72.07
SDev	9.299	90.32	.6269	.9722	32.66	1.725
%RSD	.4513	.0643	.058	13.72	.7556	2.394

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.6078	36.354	4.6422	26.33	2008.	8.9224
SDev	.83399	1.1633	.77302	1.085	3.938	2.4215
%RSD	23.116	3.2	16.652	4.121	.1961	27.14

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	124.3	176.9	34.767	37.146	2.5920	4.1149
SDev	.1381	.0889	.28783	1.8878	.13423	1.3174
%RSD	.1111	.0502	.82788	5.0821	5.1789	32.015

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	4.1807	4.8725	5.0000	11593.5
SDev	2.3382	.00837	0	2.96998
%RSD	55.927	.17196	0	.02561

Method: TOTAL Sample Name: GC892 Operator: LRW
Run Time: 04/02/04 04:52 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0592	33620.	43.808	20.99	227.4	1.858
SDev	.0566	930.1	1.1983	1.487	6.414	.0647
%RSD	95.62	2.767	2.7354	7.081	2.821	3.482

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	258900.	1.566	28.15	80.68	95.72	72350.
SDev	8203	.1141	.7705	2.784	3.465	2308
%RSD	3.169	7.288	2.737	3.451	3.62	3.191

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3254.	58130.	2523.	12.01	-50.35	65.53
SDev	60.63	1861	78.53	.6391	234.6	2.037
%RSD	1.863	3.202	3.113	5.319	466	3.108

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.42977	294.52	8.4614	34.37	1030.	8.3178
SDev	.85388	6.6755	.88569	3.263	33.71	1.9096
%RSD	198.68	2.2666	10.467	9.493	3.274	22.958

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	101.2	532.6	288.38	297.59	.92676	.18165
SDev	3.388	15.63	5.4845	7.2701	.09833	1.2311
%RSD	3.348	2.935	1.9019	2.443	10.61	677.72

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	9.0289	8.1781	5.0000	11635.6
SDev	.7517	1.7032	0	283.408
%RSD	8.3255	20.826	0	2.43569

Method: TOTAL Sample Name: GC90Q Operator: LRW
Run Time: 04/02/04 04:57 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0061	34790.	11.257	19.59	229.5	1.500
SDev	.0839	65.25	.32703	.3559	.2859	.0217
%RSD	1372	.1876	2.9053	1.816	.1246	1.45

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	96850.	2.380	28.08	91.55	204.9	77290.
SDev	93.34	.0519	.1325	.0581	.2603	123.9
%RSD	.0964	2.18	.4717	.0634	.127	.1603

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2102.	48970.	1194.	1.242	924.9	77.06
SDev	15.67	89.4	1.65	.7267	155.1	2.236
%RSD	.7454	.1826	.1382	58.51	16.77	2.901

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.2592	570.02	2.0781	31.17	2166.	5.6327
SDev	.33984	.26141	.96016	3.265	3.529	1.2099
%RSD	10.427	.04585	46.204	10.48	.1629	21.48

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	135.2	748.3	568.63	570.72	6.7197	1.5316
SDev	1.318	1.853	.63813	.71051	6.438	2.7047
%RSD	.975	.2477	.11222	.12449	95.809	176.59

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.41586	2.9080	5.0000	11704.3
SDev	2.3095	.28649	0	7.21262
%RSD	555.36	9.8519	0	.06162

Method: TOTAL Sample Name: GC963 Operator: LRW
Run Time: 04/02/04 05:02 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2364	29030.	13.611	17.75	181.5	1.792
SDev	.5128	31.51	.55608	.7888	.2609	.0444
%RSD	217	.1085	4.0856	4.445	.1438	2.477

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25090.	2.367	23.82	155.0	247.1	77310.
SDev	4.071	.185	.163	.4863	1.318	57.24
%RSD	.0162	7.818	.6842	.3137	.5336	.074

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2683.	19210.	1001.	1.900	923.8	68.56
SDev	22.55	8.288	.8456	.236	113.2	.1936
%RSD	.8406	.0431	.0845	12.42	12.25	.2824

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2407	711.59	2.5599	32.56	1568.	4.9226
SDev	1.5966	.09011	1.1828	1.45	.887	.20879
%RSD	128.68	.01266	46.206	4.454	.0566	4.2416

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	117.3	803.1	706.39	714.19	8.3943	-2.3307
SDev	.6761	1.209	1.7772	1.0224	8.1979	1.6991
%RSD	.5762	.1505	.25159	.14315	97.661	72.902

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.90557	3.3858	5.0000	11820.9
SDev	3.1274	.21201	0	17.1121
%RSD	345.35	6.2618	0	.14476

Method: TOTAL Sample Name: GC963L Operator: LRW
Run Time: 04/02/04 05:07 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2061	5944.	2.8341	-.9123	36.08	.6245
SDev	.2257	15.33	.33929	.2041	.0331	.0401
%RSD	109.5	.2578	11.972	22.37	.0918	6.427

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5080.	.4374	4.636	31.21	44.75	15590.
SDev	14.97	.0329	.0873	.0335	.0617	53.97
%RSD	.2947	7.518	1.883	.1073	.138	.3463

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	618.1	3817.	201.5	.4658	-121.3	14.37
SDev	7.776	20.13	.5598	1.462	87.31	.6502
%RSD	1.258	.5273	.2778	314	71.98	4.523

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.1348	142.76	.57343	6.323	313.7	3.7505
SDev	.00626	.09366	1.2816	1.644	.1658	1.443
%RSD	.29324	.0656	223.5	26	.0529	38.474

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.30	166.8	141.67	143.31	3.8360	1.2855
SDev	.4536	.3476	2.924	1.3194	1.1472	.56335
%RSD	1.947	.2083	2.0639	.92064	29.906	43.825

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.4770	-.87614	5.0000	11640.4
SDev	.31572	1.7638	0	35.9209
%RSD	9.0806	201.32	0	.30858

Method: TOTAL Sample Name: GCWVAF Operator: LRW
Run Time: 04/02/04 05:11 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6789	91.31	63.372	1988.	118.0	.2283
SDev	.0284	1.657	2.1753	4.835	.2613	.0444
%RSD	4.177	1.815	3.4325	.2432	.2215	19.45

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	130500.	.0546	50.20	3.167	-3.686	367.5
SDev	15.27	.0585	.0764	.0836	.2747	14.45
%RSD	.0117	107.3	.1521	2.638	7.453	3.932

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13840.	59440.	3776.	22.52	168600.	14.18
SDev	106.2	9.027	2.501	.4541	642.6	.178
%RSD	.7675	.0152	.0662	2.017	.3813	1.255

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.6340	-.38128	.89564	-.3819	-1.432	3.0580
SDev	3.5741	.93162	1.6886	.4408	.8082	1.9482
%RSD	77.127	244.34	188.53	115.4	56.44	63.708

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.131	2.501	-3.9380	1.3944	10.990	1.4606
SDev	.0449	.151	1.8295	2.3101	2.5769	4.0719
%RSD	.7321	6.037	46.458	165.67	23.447	278.79

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.0757	.30649	5.0000	11526.1
SDev	.29518	2.6789	0	17.3952
%RSD	14.221	874.07	0	.15092

Method: TOTAL Sample Name: GC0X7/5 Operator: LRW
Run Time: 04/02/04 05:16 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4884	77.05	37.651	336.8	15.38	.2237
SDev	.2811	1.059	.90089	.6423	.0847	.0058
%RSD	57.54	1.375	2.3927	.1907	.5508	2.585

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7252.	-.1202	7.759	.2435	-4.708	16.87
SDev	8.779	.0095	.3163	.005	.0584	6.594
%RSD	.1211	7.89	4.077	2.049	1.24	39.1

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	122300.	7670.	229.1	5.815	60230.	3.998
SDev	101	20.76	.1842	.0169	37.93	1.616
%RSD	.0825	.2707	.0804	.29	.063	40.41

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.0657	-.19542	.34661	1.511	-.2842	6.2030
SDev	1.0802	.97757	2.1177	.0661	.0007	4.0129
%RSD	35.235	500.22	610.96	4.373	.2325	64.694

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3682	3.809	-1.6529	.53222	4.6722	2.2636
SDev	.1058	.5771	.29113	1.611	1.3802	2.3086
%RSD	28.73	15.15	17.614	302.69	29.541	101.99

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.13339	.58626	5.0000	11617.5
SDev	.28864	3.0309	0	27.0116
%RSD	216.39	516.98	0	.2325

Method: TOTAL Sample Name: GC0X7X/5 Operator: LRW
Run Time: 04/02/04 05:21 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5669	73.43	39.666	335.9	15.48	.2065
SDev	.5902	4.358	1.5543	1.787	.068	.0458
%RSD	104.1	5.935	3.9186	.5321	.4391	22.19

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7261.	-.0588	7.706	.5578	-4.646	9.417
SDev	14.65	.031	.3581	.0934	.3223	1.304
%RSD	.2017	52.76	4.647	16.75	6.938	13.85

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	121900.	7664.	228.8	6.312	60280.	4.689
SDev	305.8	12.13	.3977	.233	27.52	.2078
%RSD	.2509	.1583	.1738	3.691	.0457	4.431

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.24277	.76655	.48788	-.5972	.0000	2.9921
SDev	.0851	.32888	2.1461	.5789	0	1.664
%RSD	35.053	42.905	439.87	96.94	0	55.613

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2895	11.20	-2.5308	2.4127	-.23868	-.24481
SDev	.2149	.0144	2.7353	1.8587	.68256	.46835
%RSD	74.21	.1286	108.08	77.035	285.97	191.31

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.33473	.89857	5.0000	11646.1
SDev	1.7412	2.3482	0	14.5668
%RSD	520.18	261.33	0	.12507

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 05:28 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	993.5	24810.	484.60	4553.	1974.	2004.
SDev	.1183	17.2	1.8603	3.595	1.352	1.349
%RSD	.0119	.0693	.38387	.079	.0685	.0673

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49090.	496.2	1961.	1965.	1961.	24450.
SDev	27.71	.3097	.4714	.4476	4.101	15.29
%RSD	.0564	.0624	.024	.0228	.2092	.0625

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50340.	48300.	2045.	1918.	47160.	2008.
SDev	122.9	5.991	.1145	17.21	166.5	1.603
%RSD	.2441	.0124	.0056	.8974	.3531	.0798

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	487.43	481.78	482.39	4900.	4777.	972.33
SDev	3.6467	.97807	1.5012	7.404	2.159	4.8955
%RSD	.74813	.20301	.3112	.1511	.0452	.50348

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1941.	2035.	479.92	482.71	476.34	492.97
SDev	.6486	1.317	2.0435	2.4866	6.1064	2.4187
%RSD	.0334	.0647	.42579	.51513	1.2819	.49063

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	495.09	476.05	5.0000	11468.9
SDev	2.1488	1.1779	0	1.27265
%RSD	.43401	.24744	0	.01109

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 05:35 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0584	78.80	-.33744	-3.320	.3015	.7926
SDev	.281	4.039	.58323	.5034	.0484	.1294
%RSD	481.4	5.126	172.84	15.16	16.07	16.33

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0951	-.0499	-.1946	.4585	Q-5.050	.1759
SDev	1.803	.0383	.0495	.1346	.2245	.002
%RSD	1896	76.79	25.42	29.35	4.445	1.159

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	170.5	8.219	.2895	2.189	-409.9	-.4702
SDev	7.752	1.073	.1106	.7258	82.37	.4992
%RSD	4.547	13.06	38.2	33.16	20.1	106.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2042	.32719	.95480	3.138	1.133	2.8877
SDev	1.7007	.64546	1.1108	1.376	.0003	4.4793
%RSD	77.159	197.27	116.34	43.86	.0303	155.11

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0580	.5253	.21994	.38074	4.5368	1.0396
SDev	.1621	.0884	1.3573	1.6454	1.9117	3.5042
%RSD	279.4	16.83	617.11	432.14	42.137	337.07

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.0985	-.11542	5.0000	11662.7
SDev	2.6078	.36343	0	3.53553
%RSD	84.164	314.87	0	.03031

Method: TOTAL Sample Name: GC0X7S/5 Operator: LRW
Run Time: 04/02/04 05:40 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2111	445.8	402.35	477.8	371.3	9.632
SDev	.3259	.318	.75922	.2528	.0371	.0318
%RSD	154.4	.0713	.18869	.0529	.01	.3298

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16120.	9.524	98.62	37.78	42.12	199.5
SDev	16.82	.0097	.6348	.0429	.2046	2.217
%RSD	.1044	.1017	.6437	.1136	.4856	1.111

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	123800.	16010.	304.6	179.9	65660.	97.51
SDev	120.2	1.603	.417	1.734	163.9	1.226
%RSD	.0971	.01	.1369	.964	.2496	1.257

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	374.03	93.346	93.930	370.2	176.2	377.33
SDev	3.3977	1.7409	.08004	1.593	.8185	1.9747
%RSD	.9084	1.865	.08522	.4302	.4645	.52333

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	89.83	99.35	92.582	93.728	365.67	378.21
SDev	.1081	.1168	2.1203	1.5515	3.5925	3.3004
%RSD	.1203	.1176	2.2901	1.6553	.98246	.87265

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	94.179	93.805	5.0000	11572.3
SDev	.96689	.60273	0	14.0006
%RSD	1.0267	.64253	0	.12098

Method: TOTAL Sample Name: GC0X7D/5 Operator: LRW
Run Time: 04/02/04 05:44 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4166	484.5	428.63	506.4	404.6	10.39
SDev	.2812	1.811	4.539	.8007	.5494	.0712
%RSD	67.49	.3739	1.059	.1581	.1358	.686

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17460.	10.16	106.7	40.60	46.36	216.7
SDev	29.4	.0257	.1216	.2198	.407	2.619
%RSD	.1683	.2532	.114	.5414	.8779	1.208

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	132400.	17370.	329.4	195.1	70300.	106.1
SDev	71.17	36.49	.381	.3782	178.5	.7286
%RSD	.0538	.2101	.1157	.1939	.2538	.687

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	398.81	98.567	101.15	401.1	191.4	396.39
SDev	1.3034	.8297	.9153	.2031	.5813	1.8077
%RSD	.32683	.84176	.90494	.0506	.3037	.45604

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	97.42	109.7	98.641	98.530	393.59	401.42
SDev	.0281	.3633	.1066	1.1907	1.9194	2.9124
%RSD	.0288	.3312	.10807	1.2085	.48765	.72553

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	101.55	100.94	5.0000	11594.1
SDev	.58656	1.0794	0	35.2138
%RSD	.57759	1.0694	0	.30372

Method: TOTAL Sample Name: GC00A/5 Operator: LRW
Run Time: 04/02/04 05:50 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6310	72.19	6.5533	267.8	1.367	.2488
SDev	.0004	.183	.76555	1.025	.096	.031
%RSD	.0579	.2535	11.682	.3827	7.023	12.45

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1270.	-.0477	.5799	1.142	-5.107	4.795
SDev	1.763	.024	.0498	.1793	.1012	6.566
%RSD	.1388	50.24	8.595	15.7	1.982	136.9

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	94520.	3972.	90.21	3.409	33830.	1.307
SDev	373.2	1.092	.0061	.003	158.3	.8035
%RSD	.3949	.0275	.0068	.0876	.468	61.5

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.3525	.22943	2.7680	.0735	.0000	3.7307
SDev	2.1325	.31464	1.2105	.0718	0	.23229
%RSD	90.651	137.14	43.731	97.75	0	6.2266

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6288	3.047	-.62328	.65516	6.8652	.09951
SDev	.6498	.0005	.16283	.39044	1.9717	2.2129
%RSD	103.3	.0165	26.125	59.595	28.72	2223.7

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.2968	3.0033	5.0000	11611.8
SDev	.86834	2.2483	0	7.35349
%RSD	37.807	74.862	0	.06332

Method: TOTAL Sample Name: CRI/MRL Operator: LRW
Run Time: 04/02/04 05:57 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.653	Q286.0	14.902	176.1	9.500	5.266
SDev	.1766	5.246	1.5523	1.834	.0806	.0046
%RSD	3.796	1.834	10.417	1.041	.848	.0865

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5042.	4.999	4.209	5.415	Q9.832	294.3
SDev	31.33	.0989	.6047	.1686	.2249	7.683
%RSD	.6214	1.979	14.37	3.113	2.287	2.61

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4665.	4697.	15.14	9.919	4599.	25.46
SDev	14.92	29.48	.0893	.0189	40.23	.0451
%RSD	.3197	.6277	.5899	.1907	.8747	.1773

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20.929	9.9292	9.0730	98.57	47.07	17.908
SDev	3.3102	.49938	.18026	.6735	.3227	.27343
%RSD	15.817	5.0294	1.9868	.6833	.6856	1.5269

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.511	44.24	7.6955	11.044	22.750	20.019
SDev	.3901	.3063	2.1679	.33364	.76174	4.5826
%RSD	5.991	.6923	28.171	3.0209	3.3483	22.891

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	10.098	8.5610	5.0000	11645.7
SDev	.27223	.13434	0	19.375
%RSD	2.6958	1.5692	0	.16637

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 06:02 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1008.	25190.	489.64	4601.	2001.	2032.
SDev	.0959	25.88	.0514	4.588	2.929	.7136
%RSD	.0095	.1027	.01049	.0997	.1464	.0351

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49730.	502.9	1988.	1991.	1991.	24780.
SDev	1.494	.2678	.1385	.2741	2.403	18.65
%RSD	.003	.0532	.007	.0138	.1207	.0753

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50820.	48970.	2065.	1946.	47790.	2039.
SDev	31.37	13.77	1.026	12.77	13.28	3.885
%RSD	.0617	.0281	.0497	.6561	.0278	.1905

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	493.09	487.49	487.84	4974.	4834.	989.30
SDev	.50158	.15754	.05323	.2092	3.836	9.168
%RSD	.10172	.03231	.01091	.0042	.0794	.9267

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1967.	2067.	485.90	488.29	484.28	497.49
SDev	.0781	.126	1.6944	1.0822	.76595	.3696
%RSD	.004	.0061	.3487	.22162	.15816	.07429

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	501.42	481.06	5.0000	11447.3
SDev	.35471	.0973	0	1.83889
%RSD	.07074	.02022	0	.01606

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 06:09 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2197	75.81	1.0226	-1.880	.4044	.7609
SDev	.2808	1.219	.00925	.8661	.0979	.0888
%RSD	127.8	1.608	.90507	46.06	24.21	11.67

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.435	.0505	-.2654	.3328	Q-5.032	3.411
SDev	.1444	.0011	.2473	.3207	.0527	4.577
%RSD	10.06	2.231	93.17	96.34	1.047	134.2

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	167.9	7.481	.3573	2.877	-409.1	-.6806
SDev	2.314	8.699	.0492	.7184	68.15	.6011
%RSD	1.378	116.3	13.78	24.97	16.66	88.32

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.2336	.46823	1.4663	2.938	1.559	4.1028
SDev	3.1172	.16068	2.111	1.53	.6043	.52701
%RSD	96.402	34.317	143.97	52.07	38.76	12.845

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3629	.6295	-1.3306	1.3663	3.3084	3.1962
SDev	.1097	.0581	1.5396	.52775	.85733	5.1016
%RSD	30.23	9.226	115.71	38.627	25.914	159.61

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.65413	1.8718	5.0000	11654.2
SDev	.29924	3.3144	0	24.6079
%RSD	45.746	177.07	0	.21115

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 09:19 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	974.2	24260.	475.59	Q4232.	1890.	1972.
SDev	.3018	1.661	1.6602	25.18	2.95	.4832
%RSD	.031	.0068	.34908	.595	.1561	.0245

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48330.	492.4	1937.	1931.	1922.	24110.
SDev	42.59	.1125	.3407	1.852	.346	4.051
%RSD	.0881	.0228	.0176	.0959	.018	.0168

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48160.	47350.	1946.	1905.	45760.	2032.
SDev	.7264	4.516	.5208	12.7	19.66	2.868
%RSD	.0015	.0095	.0268	.6666	.043	.1412

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	483.52	472.37	475.20	4901.	4610.	958.74
SDev	.50475	3.2154	1.2573	5.731	6.936	.74974
%RSD	.10439	.68068	.26459	.1169	.1505	.0782

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1891.	2033.	475.45	470.84	478.64	485.96
SDev	2.508	3.546	2.9526	3.3466	4.9507	3.2284
%RSD	.1326	.1744	.62101	.71077	1.0343	.66433

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	486.72	469.45	5.0000	11686.2
SDev	2.829	3.2974	0	15.5563
%RSD	.58123	.7024	0	.13311

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 09:26 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0567	75.52	.05572	-.0617	.2260	.9803
SDev	.1935	4.548	2.5388	.9969	.0475	.1126
%RSD	341.1	6.022	4556	1615	21	11.49

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-6.067	.0692	.1653	.4208	Q-5.854	1.189
SDev	1.789	.1191	.147	.3996	.2331	.01
%RSD	29.49	172	88.94	94.96	3.981	.8442

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.9	3.818	.2553	2.299	-241.0	-1.392
SDev	.3112	5.313	.1089	4.291	113.7	.3926
%RSD	.1842	139.1	42.67	186.6	47.19	28.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2782	.28549	.21475	2.210	.5571	.20000
SDev	1.0597	.52434	2.7648	1.566	.3939	2.7471
%RSD	82.91	183.66	1287.4	70.87	70.7	1373.5

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1554	.9054	.53538	.16073	4.8064	-.48329
SDev	.0499	.4813	.91271	.33044	1.961	2.5678
%RSD	32.08	53.16	170.48	205.58	40.8	531.32

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.84517	-.09998	5.0000	11854.9
SDev	.61829	3.8364	0	.99022
%RSD	73.156	3837	0	.00835

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 09:41 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	979.8	24780.	492.37	4637.	1954.	2010.
SDev	3.658	92.42	.0116	2.089	5.261	9.994
%RSD	.3733	.373	.00235	.045	.2693	.4972

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49410.	495.4	1992.	1993.	1965.	24850.
SDev	236.6	2.761	8.399	9.182	5.746	105.1
%RSD	.4789	.5574	.4215	.4608	.2924	.423

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49130.	48680.	2022.	1986.	47230.	1978.
SDev	23.21	228.7	7.968	3.859	160.3	10.87
%RSD	.0472	.4697	.3942	.1943	.3395	.5495

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	495.01	485.63	490.82	4910.	4819.	985.93
SDev	.13888	1.404	1.2303	27.94	14.86	.67447
%RSD	.02805	.2891	.25066	.5691	.3084	.06841

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1967.	2025.	486.63	485.13	491.45	496.78
SDev	7.574	9.651	1.4025	2.8051	4.9547	2.2654
%RSD	.3851	.4766	.28819	.57822	1.0082	.45601

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	490.79	490.84	5.0000	11558
SDev	3.8813	.09317	0	45.8204
%RSD	.79084	.01898	0	.39643

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 09:48 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1457	66.39	1.2477	.2451	.2285	.3040
SDev	.125	1.159	.39569	1.343	.0475	.0672
%RSD	85.78	1.745	31.715	547.8	20.79	22.12

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6112	-.0775	.0929	.1184	-1.247	-.6744
SDev	.039	.0549	.0488	.0458	.2464	2.583
%RSD	6.382	70.87	52.52	38.7	19.76	383

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	162.2	.6571	.2262	2.999	-321.4	-1.041
SDev	9.779	.7226	.063	.4821	7.576	.8888
%RSD	6.03	110	27.86	16.08	2.357	85.37

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.14760	-.07453	.73304	2.382	.8407	3.4342
SDev	3.0815	.24327	2.659	1.072	.7929	.50298
%RSD	2087.7	326.39	362.74	45.01	94.31	14.646

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1237	.7103	.62562	-.42408	-.15240	-.14521
SDev	.1076	.3182	1.2032	.23599	1.2812	3.9803
%RSD	86.95	44.8	192.33	55.648	840.69	2741

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.85746	.67092	5.0000	11786.9
SDev	.00503	3.9891	0	6.9295
%RSD	.58711	594.56	0	.05878

Method: TOTAL Sample Name: GDAL2B Operator: LRW
Run Time: 04/02/04 09:52 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1731	-357.1	1.1775	-6.787	-.1829	-1.736
SDev	.0743	2.66	.649	.4792	.0393	.0133
%RSD	42.91	.7449	55.118	7.061	21.47	.7682

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-13.22	.0923	-.0720	-.8841	L-22.44	11.56
SDev	.361	.0466	.1217	.2203	.1168	1.064
%RSD	2.731	50.45	169	24.91	.5204	9.207

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	141.0	-9.347	-.2420	-.5033	159.1	-.0059
SDev	1.243	.0013	.0515	.0987	45.07	.3248
%RSD	.8816	.014	21.29	19.61	28.33	5479

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1372	-.32652	1.3357	.0382	.0000	5.5478
SDev	1.9154	.46408	.50991	.088	0	.354
%RSD	168.43	142.13	38.176	230.6	0	6.3811

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6299	-.4933	-2.3832	.70029	7.1316	-1.8555
SDev	.044	.0339	.46399	.92742	.02283	2.8831
%RSD	6.984	6.879	19.469	132.43	.32018	155.38

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.42212	1.7918	5.0000	28684.1
SDev	1.4099	.0606	0	5.23286
%RSD	334	3.3822	0	.01824

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 10:42 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	982.9	24980.	498.94	4797.	1971.	2027.
SDev	.128	34.41	2.4001	9.796	2.484	2.636
%RSD	.013	.1377	.48103	.2042	.126	.1301

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49700.	496.5	2006.	2009.	1979.	25060.
SDev	66.55	.4572	1.102	1.78	1.234	31.53
%RSD	.1339	.0921	.0549	.0886	.0624	.1258

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49240.	49080.	2034.	2003.	47660.	1957.
SDev	212.3	25.56	.1132	17.43	183.8	1.115
%RSD	.4312	.0521	.0056	.8704	.3857	.0569

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	502.47	493.66	493.28	4913.	4884.	991.30
SDev	.01536	.63438	.59139	5.162	2.372	.57875
%RSD	.00305	.1285	.11989	.1051	.0486	.05838

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1986.	2022.	490.77	495.10	500.86	503.28
SDev	.6516	1.051	1.3575	.27334	.60795	.32653
%RSD	.0328	.052	.2766	.0552	.12138	.06488

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	493.71	493.07	5.0000	11482.7
SDev	4.689	1.4543	0	32.6678
%RSD	.94974	.29495	0	.28449

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 10:49 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1279	56.62	-1.1631	.2541	.2330	.0543
SDev	.2669	.785	1.301	.8552	.0487	.1325
%RSD	208.7	1.386	111.86	336.5	20.89	244.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.938	-.0349	.1228	-.3715	1.262	-1.673
SDev	3.714	.2028	.0993	.224	.377	6.528
%RSD	94.31	580.3	80.86	60.28	29.86	390.1

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	161.9	2.865	.1774	3.730	-515.3	-1.106
SDev	19.88	2.898	.1746	1.943	199.1	.7973
%RSD	12.28	101.2	98.42	52.08	38.64	72.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2318	-.20944	.71299	2.625	1.132	6.6607
SDev	1.7973	1.2391	.82423	.2208	.0011	.55372
%RSD	145.9	591.64	115.6	8.412	.0958	8.3134

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1335	.6055	-1.1895	.27986	4.5950	-.44718
SDev	.0022	.0243	2.0608	.82893	2.7985	1.2975
%RSD	1.64	4.011	173.25	296.19	60.902	290.14

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.2825	.42866	5.0000	11667.3
SDev	1.1792	1.8244	0	11.1721
%RSD	91.941	425.61	0	.09575

Method: TOTAL Sample Name: GC5DK Operator: LRW
Run Time: 04/02/04 10:53 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2357	985.6	.65588	42.06	77.56	-.1498
SDev	.2652	2.788	2.2864	.0616	.0559	.0519
%RSD	112.5	.2829	348.59	.1464	.072	34.68

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22720.	.4982	.3003	6.387	28.50	1332.
SDev	5.882	.0967	.247	.1887	.3388	1.755
%RSD	.0259	19.41	82.26	2.955	1.189	.1317

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	58480.	6556.	57.49	5.078	220.0	.7862
SDev	208.2	4.941	.0287	.971	52.79	1.491
%RSD	.356	.0754	.05	19.12	24	189.6

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3340	24.058	1.0918	32.98	17.59	6.8073
SDev	1.2685	1.8585	.798	2.839	.6171	3.0445
%RSD	95.093	7.7249	73.089	8.61	3.507	44.724

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.725	189.3	21.720	25.225	6.8278	-1.4088
SDev	.0573	.5252	3.8242	.8771	1.1439	2.4729
%RSD	3.322	.2774	17.606	3.4771	16.754	175.53

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.03163	1.6527	5.0000	11730
SDev	2.2907	.05278	0	13.2935
%RSD	7240.2	3.194	0	.11332

Method: TOTAL Sample Name: GC5EX Operator: LRW
Run Time: 04/02/04 10:58 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3035	2144.	6.0549	32.93	86.95	-.2588
SDev	.4638	5.178	.54801	.2344	.0303	.0028
%RSD	152.8	.2416	9.0508	.7118	.0348	1.098

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24340.	.2296	1.741	52.08	58.70	3301.
SDev	11.81	.0482	.0016	.0568	.1613	13.95
%RSD	.0485	20.98	.094	.109	.2748	.4226

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47390.	5575.	110.1	3.419	-118.5	5.665
SDev	22.83	.5079	.0183	.4773	179.6	.0107
%RSD	.0482	.0091	.0166	13.96	151.5	.1883

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1742	251.92	-.28937	37.92	36.51	4.1035
SDev	2.18	.06604	2.3229	.2741	.0531	3.9767
%RSD	68.681	.02621	802.74	.7228	.1455	96.91

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.849	360.5	248.31	253.72	3.9566	2.7835
SDev	.2233	.861	2.2099	1.0043	2.3249	2.1077
%RSD	4.604	.2388	.88998	.39581	58.76	75.72

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0878	.10923	5.0000	11667
SDev	.87365	3.9188	0	16.9706
%RSD	80.315	3587.5	0	.14545

Method: TOTAL Sample Name: GDAL4B 092-101 Operator: LRW
Run Time: 04/02/04 11:04 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5133	55.30	1.7020	-2.465	.2287	-.3574
SDev	.1951	1.477	1.2483	.159	.0474	.0306
%RSD	38	2.671	73.343	6.451	20.74	8.555

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	313.5	.0514	.2671	-.3224	2.144	10.33
SDev	3.301	.0093	.0004	.2245	.0313	10.35
%RSD	1.053	18.14	.1473	69.66	1.459	100.3

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	179.6	20.84	2.077	.6263	-899.5	-1.320
SDev	4.877	3.535	.0449	.4782	24.19	.4941
%RSD	2.715	16.97	2.161	76.35	2.689	37.43

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.31677	-.49452	-.68247	-1.112	.0000	2.8887
SDev	.6092	.01276	2.3755	.0002	0	1.6858
%RSD	192.31	2.5803	348.07	.0149	0	58.358

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6333	4.249	-1.5714	.04308	6.7264	-2.8832
SDev	.5339	.0603	2.1282	1.0816	3.6527	2.7369
%RSD	84.31	1.42	135.44	2510.5	54.303	94.926

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.42955	-1.2376	5.0000	11780.6
SDev	1.1513	2.9867	0	9.61706
%RSD	268.03	241.32	0	.08163

Method: TOTAL Sample Name: GDAL4C Operator: LRW
Run Time: 04/02/04 11:09 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.64	1968.	1829.0	842.6	1763.	46.25
SDev	.2591	2.387	10.113	2.004	4.171	.0225
%RSD	.5328	.1213	.55293	.2379	.2367	.0485

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47280.	45.70	455.4	185.6	235.3	974.1
SDev	41.44	.0095	1.126	.6734	.5066	.0994
%RSD	.0877	.0208	.2472	.3628	.2153	.0102

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46270.	45350.	462.5	878.2	44970.	435.0
SDev	67.25	75.06	.6616	9.16	214	1.436
%RSD	.1454	.1655	.143	1.043	.4759	.3303

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1920.5	455.65	470.84	1792.	899.4	1834.6
SDev	12.077	.67741	4.7532	9.063	1.731	1.8008
%RSD	.62885	.14867	1.0095	.5057	.1924	.09816

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	449.0	468.5	453.30	456.82	1928.2	1916.6
SDev	.4318	.2546	1.6943	.16972	5.2288	15.496
%RSD	.0962	.0543	.37376	.03715	.27118	.80849

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	466.61	472.95	5.0000	11658.7
SDev	3.102	5.5776	0	25.0318
%RSD	.66478	1.1793	0	.2147

Method: TOTAL Sample Name: GC81D Operator: LRW
Run Time: 04/02/04 11:15 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4275	54.63	13.597	107.0	165.3	-.3610
SDev	.0553	5.675	.6028	.1898	.1666	.0031
%RSD	12.92	10.39	4.4335	.1774	.1008	.8487

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	96520.	.0976	2.024	.2771	27.87	888.1
SDev	212.2	.0039	.3971	.0486	.1997	3.841
%RSD	.2198	3.985	19.62	17.54	.7164	.4325

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1138.	17770.	1957.	.8317	293400.	13.45
SDev	2.773	47.79	6.444	.7317	654.6	.224
%RSD	.2437	.269	.3293	87.98	.2231	1.665

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.9722	.11460	-.11921	-.5467	.0000	7.0102
SDev	1.3713	.1459	1.6141	1.811	0	.86975
%RSD	34.521	127.31	1353.9	331.3	0	12.407

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.88	6.832	-2.2287	1.2845	6.1206	2.8997
SDev	.1969	.2439	.06634	.18562	.75751	1.6777
%RSD	1.809	3.57	2.9767	14.451	12.377	57.857

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0101	-.68301	5.0000	11642.3
SDev	.29824	2.271	0	18.5263
%RSD	29.527	332.5	0	.15912

Method: TOTAL Sample Name: GC81DS Operator: LRW
Run Time: 04/02/04 11:20 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53.75	2194.	2009.6	1048.	2130.	49.91
SDev	.3121	.9638	.74974	4.547	.8761	.0412
%RSD	.5807	.0439	.0373	.4339	.0411	.0825

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	147900.	48.75	495.7	200.6	290.7	1944.
SDev	30.73	.0831	.2104	.1665	.4703	10.16
%RSD	.0208	.1705	.0424	.083	.1618	.5229

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	60510.	68350.	2487.	958.9	355500.	487.0
SDev	35.7	25.07	2.268	9.515	224	.548
%RSD	.059	.0367	.0912	.9923	.063	.1125

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1983.5	496.24	518.41	1941.	988.2	1977.4
SDev	10.713	1.4652	1.8962	2.554	1.298	1.9337
%RSD	.54007	.29527	.36577	.1316	.1313	.09778

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	501.4	513.2	489.75	499.47	1981.1	1984.7
SDev	.6137	.6841	.89672	2.6445	8.669	11.733
%RSD	.1224	.1333	.18309	.52945	.43759	.59115

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	508.14	523.54	5.0000	11563.1
SDev	4.9717	.36071	0	6.08153
%RSD	.97841	.0689	0	.05259

Method: TOTAL Sample Name: GC81DD Operator: LRW
Run Time: 04/02/04 11:24 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54.17	2222.	2037.0	1068.	2160.	50.60
SDev	.2506	7.936	6.4409	1.761	3.417	.1099
%RSD	.4626	.3571	.3162	.1648	.1582	.2172

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	150200.	49.30	502.7	203.5	296.7	1978.
SDev	327.3	.2138	1.883	.2394	1.109	3.356
%RSD	.218	.4337	.3746	.1176	.3738	.1697

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	60710.	69380.	2534.	976.0	360600.	491.9
SDev	22.65	115.6	6.16	9.098	530	.9004
%RSD	.0373	.1666	.2431	.9321	.147	.183

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2024.3	502.26	525.64	1960.	1001.	1993.0
SDev	10.627	2.182	3.5696	7.807	1.84	12.488
%RSD	.52495	.43444	.6791	.3983	.1838	.62657

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	508.5	522.7	497.64	504.57	2026.1	2023.4
SDev	1.231	1.6	3.9707	1.2891	4.5549	13.658
%RSD	.242	.3061	.7979	.25547	.22481	.675

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	520.06	528.42	5.0000	11549.1
SDev	1.5114	4.5972	0	35.2138
%RSD	.29061	.86999	0	.3049

Method: TOTAL Sample Name: GC81H Operator: LRW
Run Time: 04/02/04 11:30 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8129	51.69	9.1646	99.42	110.1	-.3751
SDev	.2959	.2917	.10798	.2224	.162	.0182
%RSD	36.4	.5643	1.1782	.2237	.1472	4.854

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	87900.	.0410	.6498	-.2739	5.144	110.3
SDev	51.46	.076	.0499	.5431	.2673	5.335
%RSD	.0585	185.5	7.674	198.3	5.196	4.837

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7878.	16760.	6818.	1.678	287200.	4.540
SDev	21.86	6.825	6.063	1.942	1088	.0064
%RSD	.2774	.0407	.0889	115.8	.3789	.141

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.21241	-.47037	-1.0474	.3753	-1.133	3.7635
SDev	2.0395	.34488	1.2114	.9427	.0012	.95879
%RSD	960.15	73.32	115.66	251.2	.1031	25.476

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.266	7.574	-4.2955	1.4393	1.9737	-.66690
SDev	.1124	.1238	1.5449	.25424	2.6608	1.7293
%RSD	4.96	1.635	35.967	17.665	134.81	259.31

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.84597	-1.9927	5.0000	11660.5
SDev	1.1394	1.2474	0	12.0208
%RSD	134.68	62.598	0	.10309

Method: TOTAL Sample Name: GC8W9 Operator: LRW
Run Time: 04/02/04 11:35 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.034	344.5	1.9911	1714.	75.22	-.3837
SDev	.4073	2.645	1.3221	4.754	.1576	.0012
%RSD	39.37	.768	66.403	.2774	.2095	.3104

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49680.	-.1829	3378.	1.149	21.57	2084.
SDev	61.87	.0375	4.739	.0013	.0923	7.531
%RSD	.1245	20.51	.1403	.1169	.4281	.3614

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6451.	11710.	75.03	42.67	323200.	7.155
SDev	37.86	5.187	.7878	.7482	448.7	1.102
%RSD	.5868	.0443	1.05	1.753	.1389	15.41

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.4578	-1.0690	-7.2577	.9899	-.1416	14.860
SDev	.29803	.64914	2.5852	.2162	.2003	.30294
%RSD	6.6857	60.724	35.619	21.84	141.4	2.0387

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3760	223.9	-5.7715	1.2787	6.8306	3.2731
SDev	.0553	.0425	1.4252	.26167	2.1309	.61702
%RSD	14.71	.019	24.694	20.464	31.196	18.851

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.2033	-11.482	5.0000	11655.3
SDev	1.1657	4.4578	0	5.51529
%RSD	96.872	38.824	0	.04732

Method: TOTAL Sample Name: GC89P Operator: LRW
Run Time: 04/02/04 11:40 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4755	59.40	1.4344	174.1	18.45	-.4362
SDev	.3444	7.652	1.2741	2.741	.3841	.002
%RSD	72.43	12.88	88.825	1.575	2.082	.4521

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	384900.	.5745	2.069	43.35	3.853	332.7
SDev	5785	.0748	.4672	.1779	.2242	2.65
%RSD	1.503	13.03	22.57	.4104	5.821	.7964

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2080.	99440.	96.35	-.5432	102700.	21.58
SDev	2.523	1523	1.748	.2355	1076	1.273
%RSD	.1213	1.532	1.815	43.36	1.047	5.898

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.33864	-.10160	1.4426	8.951	-5.710	4.3223
SDev	.95757	1.4552	1.0423	.4066	.0579	1.7349
%RSD	282.77	1432.1	72.252	4.542	1.015	40.138

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8318	5.850	-4.5121	2.1003	2.0487	-.51510
SDev	.0537	.1945	.98014	2.671	1.7489	.5625
%RSD	6.461	3.326	21.723	127.17	85.366	109.2

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.5080	1.4100	5.0000	11567.4
SDev	1.444	.84179	0	117.38
%RSD	95.758	59.701	0	1.01474

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 11:47 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	980.0	25100.	496.72	4942.	1993.	2029.
SDev	1.235	23.52	.09747	2.227	1.428	1.736
%RSD	.1261	.0937	.01962	.0451	.0716	.0856

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49740.	493.9	2009.	2013.	1988.	25140.
SDev	94.27	.7139	2.804	5.323	.7888	54.5
%RSD	.1895	.1445	.1396	.2644	.0397	.2168

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49820.	49410.	2082.	2010.	47770.	1916.
SDev	269.6	31.1	3.217	18.64	78.33	.7136
%RSD	.5412	.063	.1545	.9277	.164	.0372

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	505.91	493.02	494.49	4894.	4935.	993.93
SDev	4.6253	2.2579	2.1912	1.011	10.1	3.4309
%RSD	.91426	.45797	.44313	.0207	.2047	.34518

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1998.	2002.	488.86	495.09	510.74	503.50
SDev	2.786	1.652	1.3766	4.0724	1.3466	7.6069
%RSD	.1394	.0825	.28158	.82255	.26366	1.5108

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	490.73	496.36	5.0000	11473.2
SDev	1.1721	3.8704	0	20.647
%RSD	.23885	.77975	0	.17995

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 11:53 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0112	40.50	.04330	1.762	.2317	.0015
SDev	.238	.7233	.86866	.6643	.0478	.0634
%RSD	2121	1.786	2006.1	37.7	20.66	4309

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19.15	-.0197	-.0164	-.3122	1.990	1.123
SDev	5.402	.0531	.0999	.1359	.368	.016
%RSD	28.21	269.6	610.2	43.54	18.5	1.429

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	152.1	5.345	.1977	1.834	-506.2	-.5444
SDev	6.184	.7054	.0785	3.62	16.97	.7961
%RSD	4.065	13.2	39.7	197.4	3.353	146.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7410	-.05361	.45293	2.256	1.129	3.6903
SDev	3.0642	.09092	2.0575	.4306	.0007	2.6851
%RSD	176	169.57	454.25	19.09	.0592	72.76

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1750	1.025	-2.7469	1.2910	.44436	2.3883
SDev	.8625	.0029	.91121	.59123	1.4763	3.8569
%RSD	492.7	.2782	33.172	45.796	332.23	161.49

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.16709	.76247	5.0000	11702.1
SDev	1.976	2.0982	0	6.9295
%RSD	1182.6	275.18	0	.05921

Method: TOTAL Sample Name: GC9CA Operator: LRW
Run Time: 04/02/04 11:58 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4562	987.9	11.495	41.59	193.0	-.2916
SDev	.1029	20	.47814	1.603	2.029	.0853
%RSD	22.57	2.025	4.1597	3.854	1.051	29.26

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	131900.	.2757	3.252	8.056	5.781	5709.
SDev	1900	.0998	.2778	.0191	.2468	73.15
%RSD	1.44	36.19	8.541	.2372	4.269	1.281

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2141.	40740.	690.8	8.912	14280.	16.37
SDev	15.29	542	8.96	.3704	84.99	.1983
%RSD	.7141	1.33	1.297	4.156	.5951	1.212

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2836	.73903	2.3698	.8829	16.40	3.8145
SDev	.1261	1.3847	.64352	.0481	.6194	1.6884
%RSD	9.824	187.36	27.155	5.449	3.778	44.262

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.395	13.80	-2.5737	2.3929	9.2886	-2.7129
SDev	.1849	.3362	.15577	1.9982	.52149	.44941
%RSD	13.26	2.437	6.0528	83.506	5.6144	16.566

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.2821	2.4136	5.0000	11678.6
SDev	1.1703	.38053	0	128.411
%RSD	51.282	15.766	0	1.09954

Method: TOTAL Sample Name: GC9CM Operator: LRW
Run Time: 04/02/04 12:03 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2961	2609.	3.0487	237.1	55.95	-.2742
SDev	.014	.6586	.08002	1.741	.0198	.0321
%RSD	4.742	.0252	2.6249	.7346	.0354	11.69

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	209400.	.1964	3.593	5.005	10.15	3603.
SDev	100.1	.1312	.2024	.4963	.1547	2.104
%RSD	.0478	66.84	5.633	9.915	1.525	.0584

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3162.	60360.	356.3	6.738	55090.	12.83
SDev	14.06	8.844	.0077	.7281	68.69	.7965
%RSD	.4448	.0147	.0022	10.81	.1247	6.21

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.84587	.76870	2.7860	.7474	32.08	6.0049
SDev	.76158	1.3439	.39012	.5821	.1852	3.923
%RSD	90.035	174.83	14.003	77.88	.5772	65.329

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.388	20.63	-3.9694	3.1342	3.6412	-.54969
SDev	.2694	.1881	2.5169	.75829	1.8259	.23021
%RSD	6.141	.9116	63.407	24.194	50.146	41.88

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.9934	2.6824	5.0000	11578.6
SDev	.87083	1.0197	0	5.93928
%RSD	29.091	38.013	0	.05129

Method: TOTAL Sample Name: GC9CT Operator: LRW
Run Time: 04/02/04 12:07 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0928	19240.	22.215	59.01	116.7	.5231
SDev	.0711	27.49	.20147	.2606	.2452	.0487
%RSD	76.62	.1429	.90693	.4416	.2102	9.316

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	464300.	2.129	20.99	143.0	50.03	55210.
SDev	432.4	.1596	.0762	.4565	.0999	54.49
%RSD	.0931	7.497	.3631	.3192	.1998	.0987

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6435.	164800.	1723.	24.95	42810.	158.9
SDev	28.96	144.8	2.608	1.258	306.5	.3016
%RSD	.45	.0878	.1514	5.041	.7161	.1898

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.5220	20.462	-.01448	-1.624	203.7	4.9198
SDev	1.3955	.21096	1.6977	.5849	1.564	2.2962
%RSD	39.622	1.031	11723	36.01	.7682	46.672

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	40.26	146.8	12.740	24.317	11.438	-.42987
SDev	.3831	.1305	2.1213	1.3754	2.3349	3.2579
%RSD	.9516	.0889	16.65	5.6558	20.414	757.87

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1784	-.61003	5.0000	11535.9
SDev	.59718	2.8434	0	14.5661
%RSD	50.677	466.11	0	.12626

Method: TOTAL Sample Name: GC9H6 Operator: LRW
Run Time: 04/02/04 12:12 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3416	816.8	5.9960	143.2	217.7	-.3588
SDev	.228	2.012	1.2077	.6191	.3984	.0007
%RSD	66.74	.2464	20.142	.4322	.183	.2006

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	127600.	.1866	.3654	.7557	9.660	734.3
SDev	38.57	.0711	.0505	.136	.4304	11.58
%RSD	.0302	38.12	13.83	18	4.455	1.578

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7431.	66740.	147.6	273.4	56840.	.5471
SDev	9.232	13.72	.2704	2.832	239.1	.3025
%RSD	.1242	.0206	.1832	1.036	.4207	55.28

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7937	.04024	3.9634	-1.003	.0000	2.8216
SDev	2.0551	.15401	.154	.2936	0	1.3503
%RSD	114.57	382.65	3.8856	29.27	0	47.855

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.9424	33.71	-3.0301	1.5731	1.8362	1.7724
SDev	.2707	.1905	.66143	.09931	2.0524	4.1058
%RSD	28.73	.5651	21.828	6.3134	111.78	231.64

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	6.0434	2.9249	5.0000	11505.6
SDev	.90803	.68422	0	4.80818
%RSD	15.025	23.393	0	.04178

Method: TOTAL Sample Name: GC9NL Operator: LRW
Run Time: 04/02/04 12:17 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0545	14660.	11.679	85.05	148.7	1.206
SDev	.1103	82.15	1.5966	.376	.47	.0305
%RSD	202.4	.5604	13.671	.442	.316	2.528

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	97430.	2.096	53.91	26.90	32.46	115300.
SDev	446.1	.0543	.7008	.2721	.1073	559.2
%RSD	.4578	2.589	1.3	1.012	.3305	.485

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4425.	54780.	13810.	.7644	20920.	37.26
SDev	22.23	229.2	82.27	1.438	71.62	.3845
%RSD	.5024	.4183	.5957	188.1	.3424	1.032

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5098	23.859	-5.0342	-1.062	222.1	-2.7986
SDev	.3656	.65502	1.6734	1.08	.3364	.79864
%RSD	24.215	2.7454	33.242	101.7	.1515	28.538

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	34.78	120.5	18.659	26.454	.09142	2.2179
SDev	.1146	.1181	1.0209	.47234	4.7917	1.8441
%RSD	.3295	.098	5.4714	1.7855	5241	83.145

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.4253	-6.3366	5.0000	11709.1
SDev	3.1366	.94294	0	55.8614
%RSD	129.33	14.881	0	.47707

Method: TOTAL Sample Name: GC9PF Operator: LRW
Run Time: 04/02/04 12:22 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5442	1144.	77.927	10.03	410.1	-.2728
SDev	.7577	4.326	2.4528	.5394	.3968	.0191
%RSD	139.2	.3782	3.1476	5.378	.0967	7.019

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	38280.	.7451	2.657	2.963	6.515	69390.
SDev	58.54	.1069	.501	.9988	.0545	72.22
%RSD	.1529	14.35	18.85	33.71	.8369	.1041

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1407.	16910.	844.4	1.170	18680.	3.055
SDev	16.54	7.317	1.04	1.214	223.7	.1068
%RSD	1.175	.0433	.1232	103.8	1.198	3.497

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.9695	1.1778	-.47954	-2.388	20.37	9.0955
SDev	.7876	.07173	3.459	.794	.0306	1.8531
%RSD	19.841	6.091	721.29	33.25	.1503	20.374

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.250	10.78	-2.9466	3.2369	7.3295	2.2920
SDev	.4376	.2679	2.3654	1.0734	.20426	1.0788
%RSD	19.45	2.485	80.275	33.16	2.7869	47.069

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.65968	-.38961	5.0000	11668.8
SDev	.58314	4.8947	0	17.5361
%RSD	88.398	1256.3	0	.15028

Method: TOTAL Sample Name: GC9PK Operator: LRW
Run Time: 04/02/04 12:26 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1351	1338.	-.10108	6.677	38.32	.1741
SDev	.1542	2.864	1.6554	.1979	.0367	.0023
%RSD	114.2	.214	1637.6	2.964	.0958	1.294

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28020.	.4868	5.288	1.559	6.406	2205.
SDev	56.29	.0362	.3553	.4108	.0561	1.163
%RSD	.2009	7.446	6.72	26.36	.8763	.0527

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1135.	26290.	667.3	-.1893	17780.	33.77
SDev	16.65	51.92	.7505	.2402	99.19	.9517
%RSD	1.467	.1975	.1125	126.8	.5577	2.818

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4971	-.52244	-.22983	.7818	19.93	3.2326
SDev	.15765	.27459	1.1446	.7983	.9688	2.2301
%RSD	10.531	52.56	498.02	102.1	4.86	68.988

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.252	57.87	-4.9582	1.6921	9.8308	-2.6634
SDev	.374	.0279	1.2303	1.0259	1.1735	.82222
%RSD	29.88	.0482	24.814	60.63	11.937	30.871

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.11815	-.40356	5.0000	11677.6
SDev	.86007	1.2867	0	18.1023
%RSD	727.93	318.83	0	.15501

Method: TOTAL Sample Name: GC9PQ Operator: LRW
Run Time: 04/02/04 12:31 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7653	1278.	-.15088	5.575	36.11	.1496
SDev	.1536	.9788	2.3245	.3237	.0741	.0017
%RSD	20.07	.0766	1540.6	5.807	.2051	1.107

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26380.	.4047	4.332	1.549	5.692	1747.
SDev	29.78	.1018	.4994	.0475	.257	12.33
%RSD	.1129	25.17	11.53	3.066	4.515	.7057

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1071.	24840.	638.1	-1.392	16980.	33.43
SDev	7.306	6.331	.1082	.0001	95.3	.1245
%RSD	.6823	.0255	.017	.0089	.5614	.3725

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.1426	.98212	.42464	-.9569	21.46	4.1422
SDev	2.8141	.86641	1.4403	.5054	.0153	.62042
%RSD	131.34	88.218	339.18	52.81	.0713	14.978

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.374	55.58	-3.6562	3.2978	4.1060	1.1623
SDev	.2164	.1342	.52521	1.0368	5.8263	1.3102
%RSD	15.75	.2415	14.365	31.438	141.9	112.72

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.93890	.16789	5.0000	11696.9
SDev	2.5938	.86447	0	8.34372
%RSD	276.25	514.88	0	.07133

Method: TOTAL Sample Name: GC9PV Operator: LRW
Run Time: 04/02/04 12:36 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4753	1276.	.11494	7.631	40.50	.2373
SDev	.477	5.655	.88291	.843	.0955	.0326
%RSD	100.4	.4431	768.14	11.05	.2357	13.74

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30350.	.4353	5.639	1.174	5.259	1969.
SDev	4.381	.1627	.4477	.2252	.3474	11.15
%RSD	.0144	37.38	7.939	19.18	6.606	.5663

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1173.	28970.	767.6	-.7048	19840.	38.56
SDev	9.047	17.28	.0028	.4842	53.54	.298
%RSD	.7715	.0596	.0004	68.69	.2699	.7726

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.5929	-.37445	-.53926	.2702	16.12	3.0290
SDev	.32948	.38353	1.3831	.6505	.0004	.64471
%RSD	7.1738	102.43	256.48	240.8	.0024	21.285

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9150	61.52	-3.6309	1.2513	8.8742	2.4554
SDev	.4311	.0269	.04949	.59972	4.3287	2.6551
%RSD	47.11	.0437	1.3632	47.927	48.779	108.13

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.3697	-1.9916	5.0000	11677
SDev	1.7257	1.2121	0	.28311
%RSD	72.825	60.861	0	.00242

Method: TOTAL Sample Name: GC9PW Operator: LRW
Run Time: 04/02/04 12:41 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2295	1357.	.54577	5.499	39.08	.2214
SDev	.4742	12.89	.14266	.0028	.0418	.0158
%RSD	206.7	.9497	26.139	.0505	.107	7.159

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28610.	.5772	5.749	1.664	5.704	2090.
SDev	11.81	.0996	.0501	.1349	.1096	3.572
%RSD	.0413	17.25	.8717	8.108	1.921	.1709

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1176.	26890.	710.9	-1.218	18430.	35.10
SDev	13.7	.0801	.1873	.2405	32.33	.6991
%RSD	1.165	.0003	.0263	19.75	.1754	1.992

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9105	.16253	.44903	-1.263	22.49	3.7982
SDev	1.4544	1.4867	.76847	.7904	.0035	.63982
%RSD	76.124	914.69	171.14	62.55	.0157	16.846

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.128	59.47	-2.6766	1.5800	5.4311	.15288
SDev	.2142	.1664	1.7519	1.3543	.37027	2.3653
%RSD	18.99	.2798	65.454	85.716	6.8177	1547.1

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.71990	.31379	5.0000	11746.7
SDev	1.7257	.29055	0	1.8382
%RSD	239.72	92.592	0	.01564

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 12:47 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	982.8	25180.	498.33	4983.	1996.	2036.
SDev	6.901	114.4	1.4042	21.11	9.127	13.03
%RSD	.7022	.4544	.28177	.4236	.4573	.6402

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49880.	494.6	2016.	2022.	1992.	25170.
SDev	322.6	3.692	12.23	15.54	8.878	150.2
%RSD	.6468	.7464	.6064	.7685	.4456	.5967

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50010.	49490.	2102.	2014.	48080.	1902.
SDev	31.92	323.4	12.63	29.57	217.5	13.36
%RSD	.0638	.6535	.6007	1.468	.4524	.7023

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	506.24	496.01	495.49	4903.	4960.	992.73
SDev	8.2281	4.1042	1.1054	41.7	25.37	2.7493
%RSD	1.6253	.82745	.22308	.8506	.5115	.27694

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2006.	2000.	493.52	497.25	507.04	505.84
SDev	10.94	12.86	2.6974	4.8066	5.5184	9.581
%RSD	.5453	.6431	.54656	.96663	1.0883	1.8941

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	490.76	497.85	5.0000	11447.6
SDev	1.4708	.92289	0	61.3767
%RSD	.2997	.18537	0	.53615

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 12:54 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3491	42.39	.37905	-.3301	.1688	-.0592
SDev	.2069	9.74	.86806	.6649	.0428	.0312
%RSD	59.27	22.98	229.01	201.5	25.38	52.65

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.333	.0363	-.1002	.4462	2.581	6.124
SDev	4.362	.0985	.4143	.7845	.3354	7.267
%RSD	59.49	271.4	413.5	175.8	12.99	118.7

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	171.6	.7410	.2294	1.683	-440.1	-.0295
SDev	6.774	3.014	.0691	3.382	89.48	.075
%RSD	3.946	406.8	30.13	200.9	20.33	254.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2197	-1.1065	.48807	1.429	1.145	4.1588
SDev	1.14	.38483	.70018	.1164	.018	.3974
%RSD	93.468	34.778	143.46	8.145	1.576	9.5557

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4061	.6801	-1.8906	-.71514	-1.0211	2.3384
SDev	.8018	.0874	2.2465	.54461	.68119	1.3691
%RSD	197.5	12.86	118.83	76.154	66.713	58.548

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0226	1.2423	5.0000	11533.5
SDev	1.5151	1.8062	0	181.726
%RSD	148.16	145.39	0	1.57564

Method: TOTAL Sample Name: GC9P0 Operator: LRW
Run Time: 04/02/04 12:59 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1556	3719.	9.1754	58.21	102.7	-.0863
SDev	.0011	3.089	.80525	1.148	.0474	.046
%RSD	.6922	.0831	8.7763	1.972	.0462	53.31

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	65360.	3.261	24.74	9.318	12.56	59950.
SDev	9.173	.2654	.3377	.8165	.1938	15.56
%RSD	.014	8.137	1.365	8.762	1.543	.0259

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3180.	35920.	8294.	-.9809	14020.	10.88
SDev	11.88	5.069	5.119	.2425	18.66	1.003
%RSD	.3736	.0141	.0617	24.72	.1331	9.217

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.4651	9.1088	-3.1590	1.141	65.38	-.02791
SDev	3.9495	.31949	.58745	.7223	2.372	1.205
%RSD	269.58	3.5076	18.596	63.3	3.627	4317.3

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.419	118.9	4.9282	11.196	1.3477	-2.8694
SDev	.0492	.1415	.5727	.19308	.26479	5.7891
%RSD	.6629	.119	11.621	1.7246	19.648	201.76

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.25088	-4.8614	5.0000	11666.6
SDev	.29618	1.0286	0	5.37442
%RSD	118.06	21.159	0	.04606

Method: TOTAL Sample Name: GC9P2 Operator: LRW
Run Time: 04/02/04 13:03 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4138	8414.	28.431	55.46	218.6	.2519
SDev	.1112	14.08	.59591	.3307	.0271	.0062
%RSD	26.87	.1674	2.096	.5963	.0124	2.46

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	73340.	1.296	73.03	15.59	16.37	55450.
SDev	55.77	.0901	.0425	.0916	.0038	22.09
%RSD	.076	6.951	.0581	.5877	.0231	.0398

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4041.	35480.	8608.	-.6832	16670.	67.72
SDev	3.046	29.33	8.485	1.211	236	1.389
%RSD	.0754	.0827	.0986	177.2	1.415	2.052

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.8924	9.3829	-1.2963	-.2913	155.6	-2.7168
SDev	1.6657	.42551	.22943	.8679	3.987	2.8037
%RSD	42.793	4.535	17.698	297.9	2.562	103.2

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.70	79.69	4.9479	11.597	4.2251	3.7264
SDev	.0572	.3288	.9256	.17584	2.6376	3.8141
%RSD	.3642	.4127	18.707	1.5163	62.426	102.35

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.02556	-1.9308	5.0000	11668.2
SDev	.85335	.77001	0	1.13109
%RSD	3337.5	39.881	0	.00969

Method: TOTAL Sample Name: GC9P6 Operator: LRW
Run Time: 04/02/04 13:08 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4260	9297.	10.336	12.48	346.8	.6491
SDev	.1283	2.342	.1683	.4975	.4022	.0317
%RSD	30.12	.0252	1.6284	3.988	.116	4.877

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50640.	.5964	53.26	16.83	31.37	48390.
SDev	44.15	.0111	.3853	.2198	.2195	46.33
%RSD	.0872	1.867	.7234	1.306	.6996	.0957

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3110.	25880.	17480.	-3.646	45950.	31.30
SDev	8.35	8.912	25.12	.9618	31.19	.4887
%RSD	.2685	.0344	.1437	26.38	.0679	1.561

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.35980	9.4472	-4.2399	-2.025	113.8	-5.0689
SDev	1.9928	.20235	.54651	1.293	.0219	1.1452
%RSD	553.84	2.1419	12.89	63.83	.0192	22.592

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14.69	58.03	5.3399	11.498	-1.6167	.26772
SDev	.479	.0674	.54298	.57446	1.0858	3.5297
%RSD	3.26	.1162	10.169	4.9963	67.16	1318.4

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.39780	-6.5553	5.0000	11752.2
SDev	.01059	.82465	0	2.26218
%RSD	2.6633	12.58	0	.01924

Method: TOTAL Sample Name: GC9P7 Operator: LRW
Run Time: 04/02/04 13:13 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4189	3165.	26.878	13.42	157.9	-.1626
SDev	.0476	163.5	1.5126	.5509	6.856	.0769
%RSD	11.37	5.166	5.6276	4.107	4.342	47.3

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	62570.	.5084	11.08	5.445	8.184	35440.
SDev	2746	.0495	.1623	.346	1.251	1609
%RSD	4.388	9.733	1.465	6.354	15.29	4.54

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1865.	29650.	4868.	-2.713	18530.	9.055
SDev	56.55	1329	220.3	2.856	639.8	2.358
%RSD	3.032	4.482	4.525	105.3	3.454	26.05

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9365	2.1679	-2.1246	.1465	71.32	5.2414
SDev	2.6954	1.9561	.46773	1.031	5.455	.66351
%RSD	139.19	90.232	22.016	703.9	7.649	12.659

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.370	34.39	-.10845	3.3044	7.7032	-.94255
SDev	.2929	1.29	.79622	3.3303	8.3246	.11495
%RSD	4.598	3.752	734.16	100.78	108.07	12.196

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.84168	-2.7650	5.0000	11705.9
SDev	.89189	1.1465	0	404.324
%RSD	105.97	41.466	0	3.45401

Method: TOTAL Sample Name: GC9P8 Operator: LRW
Run Time: 04/02/04 13:18 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3007	4423.	2.8853	142.1	45.50	-.1958
SDev	.3647	83.33	.80465	2.616	.5789	.0467
%RSD	121.3	1.884	27.888	1.841	1.272	23.85

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53750.	.8542	5.976	8.430	8.827	6204.
SDev	868.3	.1731	.1717	.3642	.4722	107.6
%RSD	1.616	20.27	2.874	4.32	5.349	1.734

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5259.	6705.	171.3	-.8440	2841.	7.469
SDev	30.6	107.1	4.403	.7103	110.3	1.013
%RSD	.5817	1.597	2.57	84.16	3.883	13.56

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.9948	4.9647	1.2852	.4100	54.85	5.0861
SDev	1.2586	.0972	.26054	.7387	2.334	4.9541
%RSD	25.198	1.9579	20.272	180.2	4.256	97.405

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.32	26.18	2.0624	6.4136	5.3853	4.7999
SDev	.5242	.31	.94842	.32777	4.2269	.22332
%RSD	5.078	1.184	45.987	5.1106	78.489	4.6528

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.30798	1.7731	5.0000	11803
SDev	.29747	.2421	0	161.786
%RSD	96.588	13.654	0	1.37071

Method: TOTAL Sample Name: GC9P9 Operator: LRW
Run Time: 04/02/04 13:23 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3076	4053.	3.8562	153.4	42.51	-.1895
SDev	.0982	.9231	.57665	.6172	.1252	.0136
%RSD	31.93	.0228	14.954	.4024	.2945	7.178

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	55130.	.5495	6.078	9.005	9.367	5912.
SDev	77.01	.0374	.0463	.3234	.4906	13.77
%RSD	.1397	6.812	.7619	3.592	5.238	.2328

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5193.	6681.	142.9	-.3206	2940.	13.02
SDev	1.685	6.274	.4442	.971	46.77	.4093
%RSD	.0324	.0939	.3109	302.9	1.591	3.144

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.7187	5.3052	.68263	-.0855	57.25	3.0052
SDev	4.3317	.32994	.79888	1.738	.8398	3.3602
%RSD	56.119	6.2193	117.03	2033	1.467	111.81

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.633	25.67	4.0768	5.9184	15.933	3.6176
SDev	.1545	.0721	2.2428	.62505	.16171	6.575
%RSD	1.604	.281	55.015	10.561	1.0149	181.75

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1427	.45293	5.0000	11651.3
SDev	2.5961	.09836	0	7.77817
%RSD	227.19	21.718	0	.06675

Method: TOTAL Sample Name: GC9P9L Operator: LRW
Run Time: 04/02/04 13:27 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5732	871.2	1.0965	27.61	8.425	-.3482
SDev	.4937	2.593	.73075	.4925	.0936	.0156
%RSD	86.15	.2977	66.647	1.784	1.111	4.489

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11100.	.0270	.7565	1.534	3.495	1188.
SDev	13.96	.1378	.5997	.0013	.304	3.483
%RSD	.1257	509.8	79.27	.0835	8.699	.2932

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1089.	1331.	28.80	.8387	376.6	1.375
SDev	16.71	3.451	.0909	.7305	14.05	1.501
%RSD	1.534	.2593	.3155	87.1	3.73	109.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8368	.41902	-.80474	1.357	11.37	3.3173
SDev	1.083	.39029	.45968	.4348	.0044	1.4519
%RSD	58.964	93.143	57.122	32.05	.0389	43.768

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.596	9.549	-.23860	.74735	.05151	2.7280
SDev	.0557	.1623	1.0717	.0501	.27226	1.4878
%RSD	3.491	1.699	449.15	6.704	528.57	54.537

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.03801	-1.1875	5.0000	11619.2
SDev	1.7331	.17605	0	4.52575
%RSD	4558.7	14.825	0	.03895

Method: TOTAL Sample Name: GC8HHB 091-099 Operator: LRW
Run Time: 04/02/04 13:33 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5231	51.07	.12879	-4.123	.0595	-.4383
SDev	.1262	.6492	.39007	.1477	.0949	.0118
%RSD	24.13	1.271	302.86	3.582	159.5	2.698

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	257.8	.1496	-.0470	-.6078	2.658	2.535
SDev	1.67	.0997	.1494	.3541	.1917	5.835
%RSD	.6478	66.61	318.3	58.26	7.214	230.2

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	162.2	15.78	2.807	-.2225	-824.8	-.0642
SDev	13.97	.6377	.0392	.237	211.4	.0949
%RSD	8.613	4.041	1.398	106.5	25.64	147.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1076	.38009	-.21509	-.8082	.0000	5.0417
SDev	.39417	.3037	1.348	.2852	0	.76526
%RSD	35.589	79.902	626.71	35.29	0	15.179

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1431	6.808	-2.3747	1.7554	5.5522	-1.1114
SDev	.0519	.1055	2.0259	1.4667	2.4385	1.8084
%RSD	36.26	1.55	85.31	83.555	43.92	162.71

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.38297	-.13127	5.0000	11786.5
SDev	2.2868	3.1627	0	27.8603
%RSD	597.12	2409.1	0	.23637

Method: TOTAL Sample Name: GC8HHC Operator: LRW
Run Time: 04/02/04 13:38 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47.89	1975.	1825.1	868.7	1780.	46.30
SDev	.2897	3.098	2.2606	2.17	3.243	.0046
%RSD	.605	.1569	.12386	.2498	.1822	.0099

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47420.	45.43	455.3	185.4	237.4	980.6
SDev	52.14	.0929	.6333	1.225	.3347	5.289
%RSD	.11	.2046	.1391	.6607	.141	.5393

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47140.	45580.	478.5	879.1	45300.	428.3
SDev	236	34.07	.5571	8.681	15.34	1.491
%RSD	.5007	.0747	.1164	.9875	.0339	.348

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1913.3	456.65	470.17	1789.	910.1	1838.1
SDev	3.0882	.53102	1.2417	4.292	1.873	5.1719
%RSD	.1614	.11628	.26409	.2399	.2058	.28137

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	452.6	461.5	453.42	458.27	1918.3	1910.9
SDev	.6628	.4341	.98565	1.2883	4.5123	6.8826
%RSD	.1465	.0941	.21738	.28111	.23522	.36017

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	465.51	472.49	5.0000	11603.6
SDev	2.7433	.492	0	8.48528
%RSD	.58929	.10413	0	.07312

Method: TOTAL Sample Name: GC6EP Operator: LRW
Run Time: 04/02/04 13:44 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3531	69.53	44.199	46.53	222.1	-.4000
SDev	.1852	7.045	.36963	.7238	.2956	.0195
%RSD	52.44	10.13	.83629	1.556	.1331	4.883

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	146600.	-.1777	1.006	-1.332	2.142	2605.
SDev	321.2	.4673	.0512	2.19	.0477	.8849
%RSD	.2192	263	5.092	164.4	2.228	.034

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1037.	45820.	797.8	9.195	38740.	6.612
SDev	80.32	43.8	.9278	1.249	477.9	.2202
%RSD	7.743	.0956	.1163	13.59	1.234	3.331

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.5525	-1.5315	-.98838	4.328	-1.863	2.7296
SDev	.95814	.2976	.19678	1.965	.6119	.61437
%RSD	21.047	19.432	19.91	45.4	32.84	22.508

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5761	4.924	-3.2907	-.65324	8.1655	2.7487
SDev	.2745	.1038	.36675	.26308	.17022	1.5215
%RSD	47.65	2.107	11.145	40.273	2.0847	55.353

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.2555	-2.1087	5.0000	11524.6
SDev	1.1381	.86321	0	25.4558
%RSD	90.644	40.936	0	.22088

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 13:51 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	981.1	25090.	495.70	4991.	1991.	2030.
SDev	.0122	16.93	2.6127	10.4	2.492	4.478
%RSD	.0012	.0675	.52706	.2084	.1252	.2206

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49750.	492.8	2010.	2018.	1984.	25110.
SDev	174	1.302	5.826	4.895	4.273	84.77
%RSD	.3497	.2642	.2899	.2426	.2154	.3376

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49970.	49390.	2102.	2005.	47750.	1891.
SDev	57.82	129.4	5.822	11.12	14.9	2.296
%RSD	.1157	.2619	.277	.5546	.0312	.1214

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	503.29	495.14	492.72	4888.	4950.	997.57
SDev	.97095	.29345	5.9915	6.915	7.454	3.3848
%RSD	.19292	.05926	1.216	.1415	.1506	.3393

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2002.	1990.	492.33	496.55	504.78	502.55
SDev	3.606	.1528	.06491	.47238	7.4318	2.2546
%RSD	.1802	.0077	.01318	.09513	1.4723	.44862

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	492.19	492.98	5.0000	11513
SDev	5.3482	6.3126	0	33.3756
%RSD	1.0866	1.2805	0	.28989

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 13:57 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1771	42.60	.35397	-.5953	.2325	-.1099
SDev	.1121	1.976	.09363	1.018	.0485	.0992
%RSD	63.27	4.638	26.453	171	20.85	90.27

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.29	.0129	.0880	.0408	2.167	1.570
SDev	3.689	.0197	.4482	.1813	.1919	3.254
%RSD	35.87	152.9	509.6	444.9	8.854	207.3

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	169.5	6.402	.2548	2.868	-428.9	-.6128
SDev	2.834	8.643	.1584	3.147	7.686	1.096
%RSD	1.672	135	62.19	109.7	1.792	178.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.8794	-.17451	1.2183	1.036	.9894	1.7594
SDev	2.4421	.89541	2.7597	.143	.2005	.44142
%RSD	62.95	513.07	226.51	13.81	20.26	25.089

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1698	.4167	-3.1154	1.2937	4.7019	3.4688
SDev	.0568	.2836	3.1224	.21642	3.0206	2.1533
%RSD	33.44	68.06	100.23	16.729	64.242	62.075

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.04354	1.8048	5.0000	11681.9
SDev	1.1221	3.5773	0	7.21262
%RSD	2576.9	198.2	0	.06174

Method: TOTAL Sample Name: GC6EPS Operator: LRW
Run Time: 04/02/04 14:02 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53.82	2195.	2053.3	1006.	2184.	50.73
SDev	.0568	1.932	4.2918	.8786	.8592	.1109
%RSD	.1054	.088	.20902	.0873	.0393	.2186

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	192100.	49.49	495.7	202.9	262.9	3546.
SDev	181.6	.0021	.4636	.5308	.2168	13.13
%RSD	.0945	.0043	.0935	.2616	.0825	.3703

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53810.	95690.	1287.	972.6	88990.	475.1
SDev	145.1	64.32	1.304	5.614	125.6	3.584
%RSD	.2697	.0672	.1013	.5773	.1411	.7544

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2090.5	499.18	521.14	1957.	994.8	2001.1
SDev	1.4993	2.7816	2.1218	4.474	.9297	6.102
%RSD	.07172	.55722	.40713	.2286	.0935	.30492

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	494.5	511.2	492.84	502.35	2085.6	2092.9
SDev	.7474	.58	.7954	3.7731	7.0562	5.7708
%RSD	.1511	.1135	.16139	.7511	.33832	.27573

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	514.04	524.68	5.0000	11528.7
SDev	1.107	3.7337	0	6.08084
%RSD	.21534	.71161	0	.05274

Method: TOTAL Sample Name: GC6EPD Operator: LRW
Run Time: 04/02/04 14:07 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53.62	2213.	2064.5	1019.	2212.	51.04
SDev	.8566	30.05	14.95	11.11	19.57	.5229
%RSD	1.597	1.358	.72417	1.09	.8848	1.025

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	193600.	49.38	500.3	204.3	265.6	3590.
SDev	1714	.534	4.792	1.711	2.815	32.2
%RSD	.885	1.082	.9579	.8374	1.06	.8971

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54410.	96760.	1299.	986.3	90190.	479.2
SDev	391	845.8	11.25	20.11	866.1	6.68
%RSD	.7187	.8742	.8662	2.039	.9603	1.394

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2110.4	502.70	524.10	1969.	1007.	2010.2
SDev	12.543	5.0725	2.8016	21.57	9.245	22.401
%RSD	.59435	1.009	.53455	1.095	.9183	1.1144

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	499.4	509.4	498.96	504.57	2119.7	2105.7
SDev	5.187	5.878	3.8737	5.671	11.382	13.123
%RSD	1.039	1.154	.77634	1.1239	.53694	.62319

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	516.96	527.67	5.0000	11540.7
SDev	2.4283	2.9879	0	80.4693
%RSD	.46973	.56625	0	.69726

Method: TOTAL Sample Name: GC6FN Operator: LRW
Run Time: 04/02/04 14:13 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4042	1569.	3.0847	123.8	51.98	-.3092
SDev	.4661	2.783	.38992	.672	.0138	.0191
%RSD	115.3	.1774	12.641	.543	.0266	6.173

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	115000.	.0934	4.868	209.3	15.77	3717.
SDev	143.1	.1783	.0552	.3889	.2891	13.66
%RSD	.1244	190.8	1.134	.1858	1.833	.3675

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3564.	30760.	107.7	4.835	37810.	171.4
SDev	19.83	8.902	.0496	1.456	229.3	.207
%RSD	.5565	.0289	.0461	30.11	.6064	.1208

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.7459	1.3134	2.2514	4.093	18.38	7.2676
SDev	3.4073	.34165	.05101	.5033	.2235	1.9079
%RSD	38.959	26.013	2.2659	12.3	1.216	26.252

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.997	10.66	-2.1059	3.0204	9.7100	8.2646
SDev	.1597	.2746	3.7002	2.3596	.77944	4.7193
%RSD	5.328	2.575	175.71	78.12	8.0272	57.102

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.38309	3.1842	5.0000	11589.2
SDev	.01732	.08513	0	13.859
%RSD	4.5231	2.6737	0	.11958

Method: TOTAL Sample Name: GC6GK Operator: LRW
Run Time: 04/02/04 14:18 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3458	245.7	26.636	68.21	175.7	-.3691
SDev	.1993	1.319	1.1937	.4149	.0357	.0474
%RSD	57.63	.5369	4.4814	.6083	.0204	12.85

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	199100.	.1244	1.872	505.1	14.36	10380.
SDev	119.1	.1084	.0016	.3235	.0988	18.41
%RSD	.0598	87.14	.0859	.0641	.6877	.1774

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6967.	40570.	1137.	5.463	319700.	128.3
SDev	25.07	12.36	.6008	.2514	784.9	2.004
%RSD	.3599	.0305	.0528	4.602	.2456	1.562

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4731	-.35986	-.47947	129.6	2.151	3.1402
SDev	.20976	.39227	.07298	.0457	.2047	2.4145
%RSD	8.4816	109.01	15.221	.0352	9.519	76.888

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.377	9.072	-3.6433	1.2794	7.2141	.10620
SDev	.161	.2274	1.7926	.30685	.77556	.70168
%RSD	11.69	2.506	49.204	23.985	10.751	660.68

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.79030	-1.1134	5.0000	11514.2
SDev	.00509	.11195	0	10.4657
%RSD	.6446	10.055	0	.09089

Method: TOTAL Sample Name: GC6GR Operator: LRW
Run Time: 04/02/04 14:22 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1158	83.66	9.5164	214.8	226.7	-.3978
SDev	.0141	1.386	1.4559	.2961	.4185	.0011
%RSD	12.16	1.657	15.299	.1379	.1846	.2788

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	282600.	-.0445	.0432	2.390	2.027	422.1
SDev	148.7	.0135	.3031	.0936	.3111	9.039
%RSD	.0526	30.39	701.6	3.917	15.34	2.141

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5545.	49570.	1226.	1.023	H601000.	8.397
SDev	42.97	4.06	.2606	.4917	1717	1.116
%RSD	.7749	.0082	.0213	48.07	.2858	13.29

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.23370	-1.0438	2.4175	2350.	-3.438	5.5222
SDev	1.4601	.71627	.92414	1.338	.0019	.4774
%RSD	624.77	68.623	38.227	.0569	.0552	8.6451

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25.68	7.916	-3.3956	.13034	1.2463	-.27184
SDev	.3123	.0004	.19299	.97751	4.2306	.07697
%RSD	1.216	.0045	5.6838	749.93	339.45	28.317

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	4.1262	1.5645	5.0000	11524.9
SDev	1.7622	.50574	0	6.36396
%RSD	42.707	32.327	0	.05521

Method: TOTAL Sample Name: GC6G3 Operator: LRW
Run Time: 04/02/04 14:27 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0977	68.20	30.774	41.97	233.2	-.3463
SDev	.482	2.785	1.8351	.6087	.8998	.0023
%RSD	493.3	4.084	5.9633	1.45	.3859	.6599

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	192300.	1.170	.4717	1.656	3.380	5230.
SDev	263.2	.1651	.1008	.6333	.2482	4.855
%RSD	.1369	14.11	21.37	38.25	7.342	.0928

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2851.	36660.	5053.	.7197	136700.	6.170
SDev	13.99	12.07	1.708	.9764	607.6	.191
%RSD	.4907	.0329	.0338	135.7	.4445	3.096

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.58591	-.61168	27.604	591.2	-1.287	.79996
SDev	.86651	.11268	1.7935	.6637	.204	.28304
%RSD	147.89	18.423	6.4972	.1123	15.85	35.383

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.900	17.93	-3.9573	1.0586	4.1108	-2.9308
SDev	.1522	.4973	2.2399	.94932	1.7805	.4102
%RSD	1.926	2.774	56.602	89.677	43.313	13.997

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	26.856	27.978	5.0000	11544.4
SDev	4.4109	.48677	0	15.5563
%RSD	16.424	1.7399	0	.13475

Method: TOTAL Sample Name: GC6G4 Operator: LRW
Run Time: 04/02/04 14:32 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4266	102.2	2.8981	54.23	59.31	-.3765
SDev	.4275	1.748	.88933	.2848	.1491	.0151
%RSD	100.2	1.71	30.687	.5251	.2514	4.007

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	273200.	.0851	.2574	2.632	2.862	947.8
SDev	20.68	.0823	.2023	.1411	.4429	5.152
%RSD	.0076	96.66	78.58	5.359	15.47	.5436

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2643.	42550.	819.8	-1.226	149500.	4.336
SDev	41.27	62.17	.6736	.2455	352.3	.0052
%RSD	1.561	.1461	.0822	20.02	.2357	.1192

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.05126	-1.1116	1.3224	99.92	-3.300	3.0328
SDev	.31828	.32038	.80339	.3805	.2058	1.8535
%RSD	620.82	28.823	60.752	.3808	6.235	61.114

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8128	7.749	-4.8040	.73192	3.3771	-1.7629
SDev	.5453	.2136	1.7613	1.3597	1.4193	.23141
%RSD	67.09	2.756	36.663	185.77	42.029	13.127

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.8023	1.0828	5.0000	11507.2
SDev	2.0485	.18175	0	9.89949
%RSD	113.66	16.785	0	.08602

Method: TOTAL Sample Name: GC6G6 Operator: LRW
Run Time: 04/02/04 14:37 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6206	313.3	483.06	115.2	246.1	-.3562
SDev	.4464	8.238	1.2932	.5851	.079	.0153
%RSD	71.93	2.63	.26769	.5078	.0321	4.304

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	466300.	.0402	.8277	37.19	4.982	1598.
SDev	203.3	.0366	.102	.7652	.6132	1.178
%RSD	.0436	91.14	12.32	2.057	12.31	.0737

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16020.	148300.	478.6	4.575	H754100.	19.65
SDev	16.63	124.8	.123	.0031	967.1	.0911
%RSD	.1038	.0842	.0257	.0678	.1282	.4635

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7700	-.55273	2.7657	3377.	-2.466	3.7535
SDev	.58041	.68417	.02166	17.37	.2038	.85935
%RSD	32.792	123.78	.7832	.5142	8.267	22.895

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.405	27.90	-4.8353	1.5853	5.8479	-.26592
SDev	.162	.1339	1.6978	.17811	.40498	1.0724
%RSD	2.529	.4801	35.113	11.235	6.9254	403.26

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	4.3159	1.9918	5.0000	11383.8
SDev	2.3774	1.1544	0	5.93928
%RSD	55.084	57.958	0	.05217

Method: TOTAL Sample Name: GC6G8 Operator: LRW
Run Time: 04/02/04 14:41 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5607	65.84	39.591	167.6	9.118	-.3485
SDev	.2316	1.823	.11398	.308	.0658	.0367
%RSD	41.31	2.769	.2879	.1838	.7212	10.54

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H813500.	.2057	.2129	56.34	15.88	102.3
SDev	654.4	.0483	.4631	.0067	.1615	7.578
%RSD	.0804	23.49	217.5	.0118	1.017	7.406

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10830.	108200.	3142.	-.3476	H842700.	12.15
SDev	54.84	102.6	.3955	.5016	2074	.2294
%RSD	.5061	.0948	.0126	144.3	.2461	1.888

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2201	-1.0117	-.10698	1782.	-11.68	1.7672
SDev	1.3072	.37297	.02297	3.949	.02	.55107
%RSD	107.14	36.867	21.476	.2217	.1713	31.184

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12.70	16.71	-6.5486	1.7526	.23534	1.7117
SDev	.5238	.2988	.41493	.35203	1.0029	1.4591
%RSD	4.124	1.788	6.3362	20.086	426.14	85.241

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.0946	-1.2061	5.0000	11311.1
SDev	.58733	.25878	0	19.3743
%RSD	28.041	21.456	0	.17128

Method: TOTAL Sample Name: GC6G9 Operator: LRW
Run Time: 04/02/04 14:46 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1376	70.79	2.1539	109.5	26.21	-.3899
SDev	.3305	3.92	.65383	.3123	.0045	.02
%RSD	240.2	5.538	30.356	.2853	.0173	5.117

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H800000.	.2838	-.2538	.8534	4.750	455.9
SDev	476.5	.0672	.3083	.7833	.5368	4.133
%RSD	.0596	23.67	121.5	91.78	11.3	.9066

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8253.	67880.	9567.	-.8769	H747000.	1.229
SDev	28.71	60.73	2.735	.746	253.3	1.635
%RSD	.3479	.0895	.0286	85.07	.0339	133.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3093	-1.9331	-3.0739	101.1	-12.80	-.38242
SDev	2.0578	.26363	.40042	.0261	.0219	1.7943
%RSD	157.17	13.638	13.026	.0258	.1707	469.18

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.651	5.546	-7.0671	.63009	1.7999	1.0644
SDev	.1056	.011	.5059	.14267	3.1358	1.5196
%RSD	3.984	.1979	7.1585	22.644	174.22	142.77

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.2786	-5.7462	5.0000	11350.1
SDev	.29795	.74909	0	19.3743
%RSD	13.076	13.036	0	.17069

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 14:53 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	979.4	25060.	493.89	4948.	1989.	2022.
SDev	1.377	28.7	.48259	11.25	5.753	.39
%RSD	.1406	.1145	.09771	.2273	.2893	.0193

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49680.	490.7	1999.	2006.	1979.	24980.
SDev	77.47	1.01	2.648	4.041	5.809	29.29
%RSD	.1559	.2058	.1325	.2015	.2935	.1173

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50040.	49210.	2101.	1989.	47710.	1885.
SDev	16.6	21.14	.0359	14.09	31.7	1.173
%RSD	.0332	.043	.0017	.7086	.0665	.0622

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	503.03	491.59	489.20	4869.	4927.	986.64
SDev	5.0977	.85941	.58839	4.296	.0287	.68509
%RSD	1.0134	.17482	.12027	.0882	.0006	.06943

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1994.	1986.	487.29	493.74	498.78	505.15
SDev	.1624	1.881	2.5867	.00293	10.988	2.157
%RSD	.0081	.0947	.53083	.00059	2.203	.427

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	489.97	488.82	5.0000	11512.1
SDev	2.4833	.35761	0	31.8198
%RSD	.50681	.07315	0	.2764

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 14:59 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2884	50.26	.32298	-1.321	.1980	-.0314
SDev	.7144	.919	.72757	1.001	.096	.1123
%RSD	247.7	1.829	225.27	75.78	48.49	357.3

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.07	-.0113	.1939	.3888	1.441	-5.805
SDev	7.205	.1011	.1985	.1331	.0267	4.569
%RSD	31.22	891	102.4	34.23	1.854	78.71

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	162.6	3.837	.3657	3.204	-505.5	.1597
SDev	3.663	5.013	.0941	3.138	66.63	.3966
%RSD	2.252	130.7	25.73	97.95	13.18	248.3

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.67213	.08076	1.2914	3.739	.9883	3.3481
SDev	1.6121	.66848	1.0127	.6456	.1989	1.9182
%RSD	239.84	827.71	78.418	17.27	20.12	57.292

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3253	.2291	-1.5202	.88005	-1.2921	1.6528
SDev	.1098	.1416	1.2122	.39702	.59459	2.7137
%RSD	33.74	61.79	79.739	45.114	46.019	164.19

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0639	1.4050	5.0000	11692.8
SDev	2.6277	.20639	0	9.33394
%RSD	247	14.69	0	.07982

Method: TOTAL Sample Name: GC6HA Operator: LRW
Run Time: 04/02/04 15:36 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2964	51.17	-.46247	-4.812	-.0750	-.3993
SDev	1.031	2.53	.48075	.8252	.1918	.0356
%RSD	347.8	4.943	103.95	17.15	255.8	8.919

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45.63	.0299	-.3979	-.1922	1.115	3.912
SDev	.1775	.0743	.3442	.495	.0478	3.888
%RSD	.3889	248.7	86.49	257.5	4.288	99.38

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	161.3	-3.846	-.0051	-.3879	-863.6	.5710
SDev	14.54	.0191	.015	1.444	173	.9934
%RSD	9.016	.4962	292	372.3	20.03	174

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.53772	-.70651	-1.1174	.2088	-.1403	1.6161
SDev	2.2359	.57899	.55097	.1412	.1984	.80507
%RSD	415.8	81.95	49.307	67.63	141.4	49.817

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2173	3.989	-4.6689	1.2717	3.9651	-2.7858
SDev	.1586	.1461	.87105	.43317	7.0834	.18426
%RSD	73.02	3.662	18.657	34.063	178.64	6.6144

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.62275	-1.9862	5.0000	11754.9
SDev	2.0197	1.8344	0	18.5263
%RSD	324.32	92.356	0	.1576

Method: TOTAL Sample Name: GC6HD Operator: LRW
Run Time: 04/02/04 15:41 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4922	121.0	2.6722	56.76	63.67	-.4069
SDev	.1983	7.987	.39774	.2042	.08	.0173
%RSD	40.29	6.598	14.884	.3597	.1257	4.248

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	294500.	.1137	.0802	4.195	3.281	1089.
SDev	146.1	.0777	.2518	.1851	.075	6.74
%RSD	.0496	68.39	314	4.411	2.287	.6189

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2865.	45750.	872.8	-1.225	161500.	7.591
SDev	15.23	99.51	.6835	.2447	458.4	.0045
%RSD	.5315	.2175	.0783	19.97	.2838	.0597

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.52505	-.47652	-.34883	106.7	-3.431	5.1563
SDev	1.6804	2.2541	1.549	1.774	.0017	.55224
%RSD	320.04	473.02	444.03	1.662	.049	10.71

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9189	4.259	-5.6087	2.0857	4.9610	-3.2640
SDev	.2732	.0843	.30522	3.227	4.4786	.28338
%RSD	29.73	1.978	5.4419	154.72	90.275	8.6821

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.90493	-.07120	5.0000	11549.8
SDev	1.172	1.7372	0	5.65685
%RSD	129.51	2439.5	0	.04897

Method: TOTAL Sample Name: GC6HF Operator: LRW
Run Time: 04/02/04 15:46 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5150	770.5	.38942	59.90	36.94	-.3494
SDev	.1407	.5107	.7833	.0862	.0633	.0262
%RSD	27.32	.0663	201.15	.1439	.1714	7.504

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	321700.	.7862	3.567	932.4	25.41	8008.
SDev	237.1	.12	.0111	1.592	.3137	4.645
%RSD	.0737	15.26	.3104	.1707	1.235	.058

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19900.	71040.	89.36	5.270	104700.	214.0
SDev	120.6	132	.0487	1.006	366.4	1.759
%RSD	.6058	.1858	.0545	19.08	.35	.8219

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18.186	.78022	1.0460	1.534	7.172	3.3655
SDev	1.4948	1.1861	2.6452	1.676	.0256	.89605
%RSD	8.2194	152.03	252.88	109.2	.3563	26.625

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.721	10.36	-3.8275	3.0806	19.307	17.627
SDev	.0919	.1785	1.9893	.78517	5.8393	.67414
%RSD	2.469	1.723	51.972	25.487	30.244	3.8245

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.53191	1.3027	5.0000	11510.6
SDev	.56064	3.6859	0	41.0122
%RSD	105.4	282.95	0	.35629

Method: TOTAL Sample Name: GC6HQ Operator: LRW
Run Time: 04/02/04 15:51 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5088	91.69	20.730	90.35	134.7	-.3307
SDev	.1127	2.191	.91412	.0445	.1565	.0299
%RSD	22.16	2.39	4.4097	.0493	.1162	9.044

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	228900.	.1760	.1149	3.257	1.825	647.5
SDev	411.6	.0844	.5046	.0564	.1247	4.648
%RSD	.1798	47.96	439.3	1.731	6.832	.7179

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3866.	41260.	1161.	2.754	459600.	7.386
SDev	1.923	71.95	1.409	.4986	217.7	.1198
%RSD	.0497	.1744	.1214	18.1	.0474	1.622

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.83762	-.88724	3.2347	3701.	-2.719	2.6839
SDev	2.4832	.0083	.20062	2.127	.6128	1.2069
%RSD	296.46	.93642	6.2023	.0575	22.53	44.968

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	32.16	8.258	-3.3069	.32079	4.2807	-3.3929
SDev	.1239	.3317	.63279	.32837	1.5223	4.4829
%RSD	.3851	4.017	19.135	102.36	35.562	132.13

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	6.1908	1.7588	5.0000	11538.5
SDev	1.1518	.87583	0	24.1832
%RSD	18.605	49.797	0	.20958

Method: TOTAL Sample Name: GC6HX Operator: LRW
Run Time: 04/02/04 15:55 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1411	193.1	68.681	160.7	72.98	-.3269
SDev	.5919	.0426	2.9277	1.897	.1939	.0005
%RSD	419.5	.0221	4.2627	1.18	.2657	.1465

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H885600.	.2555	1.591	24.26	3.659	1020.
SDev	2027	.1457	.4609	.9751	.0019	3.3
%RSD	.2289	57.01	28.97	4.019	.0522	.3236

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18140.	141200.	550.0	-.1662	H679400.	8.481
SDev	8.268	46.17	.4572	.2491	460.6	.2044
%RSD	.0456	.0327	.0831	149.8	.0678	2.411

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.78401	-1.6501	4.8980	6412.	-9.457	4.4348
SDev	.457	.50774	.42249	14.53	.2052	.89703
%RSD	58.29	30.771	8.6259	.2266	2.169	20.227

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.01	20.51	-5.6037	.32372	-.76842	-.79179
SDev	.1099	.2402	.41508	.55401	.57524	.97235
%RSD	1.098	1.172	7.4074	171.13	74.86	122.8

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	7.3395	3.6790	5.0000	11348.3
SDev	1.1925	1.2288	0	.7071
%RSD	16.248	33.4	0	.00623

Method: TOTAL Sample Name: GC6H2 Operator: LRW
Run Time: 04/02/04 16:00 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0141	1540.	5.2524	99.20	181.8	-.3384
SDev	.0837	30.48	.00723	1.389	2.496	.0277
%RSD	595.1	1.98	.13779	1.4	1.373	8.192

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	297600.	.3752	1.608	2.820	4.783	12860.
SDev	5169	.1111	.1874	.0658	.1901	202.9
%RSD	1.737	29.62	11.66	2.333	3.975	1.578

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9514.	65420.	9638.	-1.109	H886800.	11.37
SDev	102.7	1147	149.4	.2403	8678	.2832
%RSD	1.079	1.753	1.55	21.67	.9786	2.49

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.2444	.89512	-2.2056	203.4	17.59	-2.1869
SDev	2.4952	.57603	.06783	6.956	.8527	2.9113
%RSD	200.51	64.352	3.0756	3.42	4.847	133.13

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.650	13.43	-2.1913	2.4360	1.3050	-2.5172
SDev	.0612	.288	1.9297	1.827	3.7678	1.8599
%RSD	1.678	2.145	88.065	75.001	288.72	73.885

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.7473	-4.1790	5.0000	11547.4
SDev	.30697	.05155	0	161.503
%RSD	17.569	1.2337	0	1.39861

Method: TOTAL Sample Name: GC6H6 Operator: LRW
Run Time: 04/02/04 16:05 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2674	2018.	1.6967	69.49	129.1	-.3221
SDev	.4259	38.21	2.2591	1.959	2.244	.0452
%RSD	159.3	1.894	133.15	2.819	1.739	14.03

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	190200.	.3278	6.397	442.8	13.04	3608.
SDev	3166	.0047	.0713	8.361	.7576	66.1
%RSD	1.664	1.444	1.114	1.888	5.81	1.832

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3087.	61980.	349.5	7.910	315700.	225.5
SDev	52.63	1005	4.907	.127	4566	3.192
%RSD	1.705	1.622	1.404	1.606	1.447	1.416

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.1461	1.0815	1.0214	9.466	28.42	4.6352
SDev	.40365	.76328	1.1166	.1437	1.994	2.33
%RSD	7.8439	70.578	109.32	1.518	7.015	50.267

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.138	14.33	-1.7297	2.4850	8.9713	3.2363
SDev	.0125	.4395	1.1827	.55387	.63693	.28718
%RSD	.3012	3.067	68.378	22.289	7.0997	8.8738

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0940	.98516	5.0000	11624.9
SDev	1.1691	1.0904	0	158.25
%RSD	106.87	110.68	0	1.3613

Method: TOTAL Sample Name: GC6H6L Operator: LRW
Run Time: 04/02/04 16:10 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5148	483.1	.51455	10.14	25.79	-.3288
SDev	.3463	13.14	.18726	.4517	.1618	.0517
%RSD	67.26	2.721	36.393	4.453	.6276	15.72

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	39180.	-.0016	1.135	90.87	3.105	733.4
SDev	482.9	.0506	.1544	1.958	.5011	5.913
%RSD	1.233	3073	13.61	2.155	16.14	.8063

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	634.2	12280.	71.23	-.0343	62860.	44.87
SDev	14.57	130.8	.5858	.4706	672.5	1.061
%RSD	2.297	1.065	.8224	1373	1.07	2.364

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.35223	-.36446	2.1276	5.025	6.791	6.1547
SDev	1.3339	.7309	1.8498	.3709	.0675	.88057
%RSD	378.7	200.54	86.943	7.382	.9936	14.307

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6824	5.749	-2.5281	.71572	-1.0345	1.0446
SDev	.0397	.1806	.01278	1.1022	1.1774	1.4121
%RSD	5.811	3.142	.50554	154	113.81	135.18

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3443	2.5186	5.0000	11670.6
SDev	1.7294	1.9099	0	115.966
%RSD	128.64	75.831	0	.99365

Method: TOTAL Sample Name: GC9P9 092-101 Operator: LRW
Run Time: 04/02/04 16:16 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5930	4222.	2.9466	145.4	42.60	-.1649
SDev	.2529	16.49	1.0752	1.483	.1313	.0057
%RSD	42.65	.3906	36.488	1.02	.3083	3.473

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54580.	.3191	5.630	9.077	8.025	5869.
SDev	147.1	.0492	.258	.0663	.0423	19.87
%RSD	.2696	15.4	4.583	.7307	.5267	.3386

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5170.	6610.	139.1	-.3265	2942.	12.52
SDev	4.065	27.23	.5235	.0022	5.013	.7673
%RSD	.0786	.412	.3764	.6706	.1704	6.128

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.5094	5.9228	-1.1021	1.896	71.77	4.4159
SDev	1.6543	1.2992	4.3775	.3541	1.136	4.7009
%RSD	25.415	21.936	397.2	18.68	1.584	106.45

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.34	26.03	1.9861	7.8882	12.552	3.4928
SDev	.2472	.4334	.57127	2.2331	.15987	2.4005
%RSD	2.39	1.665	28.764	28.309	1.2737	68.726

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.5630	-2.9319	5.0000	11710.3
SDev	1.724	5.7023	0	22.769
%RSD	67.265	194.49	0	.19443

Method: TOTAL Sample Name: GDC49BE 093-109 Operator: LRW
Run Time: 04/02/04 16:22 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9899	100.4	1.4095	9.269	H7.814	-.4231
SDev	.36	6.257	1.0269	1.34	.2688	.0285
%RSD	36.36	6.23	72.857	14.45	3.44	6.725

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	606.9	-.0779	-.1578	.7272	1.912	21.83
SDev	10.52	.0269	.6047	.4877	.7247	3.476
%RSD	1.733	34.56	383.3	67.07	37.9	15.93

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	224.5	72.67	3.024	-.2177	H2184.	.8456
SDev	10.39	3.169	.0857	.2589	143.9	.3564
%RSD	4.627	4.36	2.835	118.9	6.587	42.15

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.62570	-.26728	1.3281	4.226	.0000	1.9920
SDev	.51162	.14899	.34901	1.306	0	.81449
%RSD	81.767	55.745	26.279	30.91	0	40.889

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1401	19.16	-.16545	-.31811	.02996	.92312
SDev	.2775	.6613	2.1591	.85454	3.1424	.80178
%RSD	198.1	3.452	1305	268.62	10485	86.855

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.41253	1.7852	5.0000	11763.4
SDev	.00098	.52374	0	183.565
%RSD	.23957	29.338	0	1.56047

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 16:28 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	983.2	25140.	496.00	4901.	1983.	2030.
SDev	2.202	38.51	3.6024	12.86	1.812	3.632
%RSD	.224	.1532	.7263	.2625	.0914	.1789

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49840.	494.1	2005.	2012.	1983.	25060.
SDev	80.72	.699	4.651	2.571	2.627	60.41
%RSD	.162	.1415	.232	.1278	.1325	.2411

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50030.	49220.	2093.	1992.	47500.	1908.
SDev	12.29	91.62	3.942	10.78	85.62	2.808
%RSD	.0246	.1862	.1883	.5414	.1802	.1472

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	506.30	493.52	492.84	4901.	4924.	994.80
SDev	1.5919	.98349	.8842	11.03	7.399	1.2681
%RSD	.3144	.19928	.1794	.225	.1503	.12747

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1995.	2001.	489.11	495.72	503.28	507.81
SDev	3.878	2.893	3.271	.15856	1.2109	1.7821
%RSD	.1944	.1446	.66876	.03198	.24059	.35093

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	491.28	493.62	5.0000	11473.1
SDev	.38294	1.1345	0	42.8511
%RSD	.07794	.22982	0	.37349

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 16:35 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1801	49.48	-1.1679	-4.983	.2336	-.0115
SDev	.4217	2.628	1.1751	6.25	.0484	.0975
%RSD	234.1	5.312	100.62	125.4	20.72	848.9

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.967	.0313	-.2307	.3330	1.386	-48.89
SDev	2.751	.0046	.2994	.0456	.4604	86.39
%RSD	46.1	14.85	129.8	13.7	33.22	176.7

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	162.6	-16.74	-.2024	2.535	-414.8	-.1163
SDev	6.526	38.57	.7442	2.669	107.7	1.398
%RSD	4.013	230.5	367.7	105.3	25.96	1202

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5277	-1.7033	Q6.0189	-.1355	.9919	5.5684
SDev	2.2973	.30725	6.1531	8.186	.2006	1.9421
%RSD	150.38	18.038	102.23	6042	20.22	34.877

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-2.422	.5262	15.046	-10.065	17.866	-6.6290
SDev	4.156	.0272	23.878	11.461	18.809	12.835
%RSD	171.6	5.177	158.71	113.86	105.28	193.61

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	7.1986	5.4299	5.0000	11651.8
SDev	11.258	3.6047	0	1.97976
%RSD	156.39	66.387	0	.01699

Method: TOTAL Sample Name: GDD8FBE Operator: LRW
Run Time: 04/02/04 16:40 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1504	152.6	.02746	H113.4	.7441	-.2948
SDev	.5752	.3082	.13008	.1655	0	.0325
%RSD	382.5	.202	473.61	.1459	.0031	11.02

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	473.4	.0620	-.2291	.4557	1.647	16.36
SDev	.9238	.0882	.199	.135	.001	8.499
%RSD	.1952	142.4	86.87	29.62	.0618	51.95

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	172.4	31.84	2.233	1.671	7.635	.8669
SDev	9.944	.0011	.0158	.4838	30.76	.0001
%RSD	5.769	.0035	.7071	28.95	403	.0071

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4728	.02991	.21882	3.337	.0000	1.1565
SDev	2.2053	.07404	1.6931	1.229	0	1.6696
%RSD	89.182	247.48	773.69	36.82	0	144.38

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0217	8.529	-1.2100	.64895	3.8330	1.7937
SDev	.1083	.1161	2.106	.94042	1.7527	2.4312
%RSD	500	1.361	174.05	144.91	45.728	135.54

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.02704	.31457	5.0000	11677.4
SDev	3.46	.8109	0	.28311
%RSD	12795	257.77	0	.00242

Method: TOTAL Sample Name: GDD8FCE Operator: LRW
Run Time: 04/02/04 16:44 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L3.071	2103.	1730.5	837.4	1694.	43.99
SDev	.3967	13.94	4.9617	1.874	5.794	.0739
%RSD	12.92	.6627	.28672	.2238	.342	.1681

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L378.3	44.62	443.5	179.2	228.8	1028.
SDev	.2601	.0679	.9408	.1513	.43	5.878
%RSD	.0688	.1521	.2121	.0845	.188	.5717

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L186.5	L45.23	459.2	843.3	L-459.2	419.0
SDev	14.48	5.094	.6529	3.398	207.9	2.558
%RSD	7.766	11.26	.1422	.4029	45.28	.6104

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1776.8	443.53	441.10	1731.	869.5	1769.5
SDev	4.9426	.00047	2.9264	.8666	1.501	2.2281
%RSD	.27817	.0001	.66342	.0501	.1727	.12591

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	433.7	452.0	438.89	445.85	1766.3	1782.0
SDev	1.265	1.433	1.8898	.94415	7.9095	3.4614
%RSD	.2917	.3169	.43058	.21176	.4478	.19424

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	434.96	444.17	5.0000	11620.4
SDev	4.4313	2.175	0	6.78794
%RSD	1.0188	.48968	0	.05841

Method: TOTAL Sample Name: GANNEE Operator: LRW
Run Time: 04/02/04 16:50 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8377	183.1	2.2547	100.5	202.7	-.4054
SDev	.0977	5.878	.97896	1.006	.398	.0139
%RSD	11.66	3.21	43.418	1.001	.1963	3.419

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16470.	-.0036	1.665	1.213	10.97	67.38
SDev	1.772	.0907	.1022	.0865	.3486	5.35
%RSD	.0107	2551	6.143	7.132	3.179	7.94

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	836.3	293.1	88.12	960.7	3221.	66.99
SDev	4.792	2.967	.2113	2.07	24.76	2.214
%RSD	.573	1.012	.2398	.2155	.7685	3.305

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7471	3.8677	109.46	7.854	1.140	2.5303
SDev	1.4748	1.3893	1.2048	.7412	.0016	1.1581
%RSD	84.416	35.919	1.1006	9.436	.1391	45.77

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3337	37.51	3.0115	4.2952	-1.2225	3.2297
SDev	.1106	.2847	.51464	2.3398	.16789	2.1273
%RSD	33.13	.7589	17.09	54.475	13.734	65.868

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	108.35	110.02	5.0000	11587.2
SDev	.74053	1.4365	0	16.1226
%RSD	.68348	1.3057	0	.13914

Method: TOTAL Sample Name: GANNEEL Operator: LRW
Run Time: 04/02/04 16:55 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2325	84.77	.38674	17.16	40.98	-.3792
SDev	.0144	2.149	.23416	.3899	.2174	.0295
%RSD	6.205	2.535	60.547	2.272	.5305	7.788

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3361.	-.1961	.0470	-.0469	2.486	9.365
SDev	12.4	.0228	.2009	.404	.6374	.6481
%RSD	.3691	11.61	427.6	861.3	25.64	6.92

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	279.8	54.55	17.67	199.3	313.2	14.04
SDev	.9683	7.347	.0476	3.267	76.95	.4277
%RSD	.3461	13.47	.2695	1.64	24.57	3.047

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.32625	.58717	23.817	4.231	.0000	4.0937
SDev	.92214	.5278	.56642	3.203	0	.46348
%RSD	282.64	89.89	2.3782	75.7	0	11.322

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0952	9.242	.26017	.75042	3.6264	-1.3213
SDev	.4906	.274	.48047	.55144	1.6698	2.2161
%RSD	515.2	2.965	184.67	73.484	46.045	167.72

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	21.441	25.003	5.0000	11629.4
SDev	.07157	.81347	0	20.3645
%RSD	.33383	3.2535	0	.17511

Method: TOTAL Sample Name: GANNEES/5 Operator: LRW
Run Time: 04/02/04 17:00 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	169.3	81.44	883.39	7.831	8361.	-.3908
SDev	.3604	1.512	1.8417	.3711	7.086	.0194
%RSD	.2129	1.857	.20848	4.739	.0848	4.961

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3293.	175.6	-9.455	875.8	1.540	7.579
SDev	5.474	.1231	.1335	.7968	.1092	2.628
%RSD	.1663	.0701	1.412	.091	7.095	34.67

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	278.6	59.13	17.35	192.1	337.0	13.47
SDev	.6138	.5997	.1084	.3152	38.22	.1754
%RSD	.2203	1.014	.6245	.1641	11.34	1.302

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	178.20	877.32	23.360	2.277	.0000	2.3480
SDev	1.5606	1.59	1.7345	1.155	0	1.803
%RSD	.87577	.18123	7.4253	50.74	0	76.787

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3697	7.197	870.52	880.72	176.91	178.84
SDev	.0535	.188	3.6662	.55346	4.8523	.08278
%RSD	14.46	2.612	.42115	.06284	2.7428	.04629

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	24.338	22.872	5.0000	11630.4
SDev	3.2324	.98673	0	18.9503
%RSD	13.281	4.3142	0	.16293

Method: TOTAL Sample Name: GANNEED/5 Operator: LRW
Run Time: 04/02/04 17:05 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	178.9	78.50	932.95	25.50	8821.	-.3578
SDev	.5325	5.115	3.9128	.4505	24.8	.0056
%RSD	.2977	6.516	.41939	1.766	.2812	1.575

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3391.	185.9	-10.22	923.9	2.169	19.10
SDev	24	1.215	.0181	5.241	.1535	7.246
%RSD	.7076	.6537	.177	.5673	7.08	37.94

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	279.8	61.88	17.76	193.9	392.7	13.88
SDev	.4244	1.314	.1018	.096	89.69	1.953
%RSD	.1517	2.124	.573	.0495	22.84	14.07

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	190.38	927.05	22.924	1.457	.0000	-1.0708
SDev	.52283	3.5272	2.8458	1.603	0	2.0574
%RSD	.27462	.38047	12.414	110.1	0	192.13

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5599	12.00	917.18	931.98	190.03	190.55
SDev	.0001	.3084	1.3889	4.5947	3.9214	2.7416
%RSD	.0193	2.571	.15142	.493	2.0635	1.4388

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	23.755	22.510	5.0000	11640.9
SDev	2.8512	2.8432	0	34.6482
%RSD	12.003	12.631	0	.29764

Method: TOTAL Sample Name: GC9MJBT 093-107 Operator: LRW
Run Time: 04/02/04 17:11 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1746	95.82	.63366	3.972	2.719	-.3872
SDev	.1109	2.628	.92235	.6628	.3329	.0007
%RSD	63.52	2.743	145.56	16.69	12.24	.1827

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	185.6	-.0045	-.2535	.7102	.7346	9.859
SDev	.8542	.0057	.0487	.7114	.1777	7.106
%RSD	.4604	126.1	19.22	100.2	24.19	72.08

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	252.8	5.378	.2130	-.5639	147.1	.9050
SDev	16.93	6.746	.0469	.7169	74.77	2.657
%RSD	6.697	125.4	22.02	127.1	50.83	293.6

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H10.524	2.0385	4.3153	3.481	-.1396	4.9815
SDev	1.766	.31834	.24102	.3561	.1975	2.0227
%RSD	16.781	15.617	5.5853	10.23	141.4	40.604

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3336	14.80	2.9768	1.5700	15.800	7.8901
SDev	.2135	.1004	2.3932	.71751	1.653	1.8225
%RSD	64	.6785	80.395	45.701	10.463	23.098

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4177	5.7619	5.0000	11822.9
SDev	1.4233	.34924	0	2.12132
%RSD	100.4	6.0613	0	.01794

Method: TOTAL Sample Name: GDD8ABT Operator: LRW
Run Time: 04/02/04 17:16 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4488	72.18	.58402	-1.991	.7467	-.3588
SDev	.0417	.1458	.98285	.6887	.1923	.0023
%RSD	9.293	.2021	168.29	34.58	25.75	.6493

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	155.2	-.1472	-.7959	.0149	.2566	-9.555
SDev	.2752	.2048	.2017	.0429	.2698	.6767
%RSD	.1773	139.2	25.35	287.4	105.1	7.082

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	157.6	-14.44	-.1465	-.2077	-174.2	-.4674
SDev	.6877	.0018	.0313	.2442	1.45	1.7
%RSD	.4363	.0127	21.38	117.6	.8324	363.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0118	-.63012	.43248	3.862	-.2836	1.6797
SDev	.77911	.90509	.70468	1.371	.0004	3.1648
%RSD	38.728	143.64	162.94	35.5	.1239	188.41

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4404	3.226	-1.1145	-.38830	2.4142	1.8108
SDev	.0547	.0319	.83338	1.773	.62572	.85568
%RSD	12.41	.99	74.778	456.6	25.918	47.254

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.00903	.64389	5.0000	11644.2
SDev	1.1557	.47953	0	14.4253
%RSD	12788	74.473	0	.12388

Method: TOTAL Sample Name: GDD8ACT Operator: LRW
Run Time: 04/02/04 17:20 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53.24	2178.	1980.8	921.2	1960.	50.71
SDev	.1925	10.76	1.6837	.4229	.6514	.0819
%RSD	.3616	.494	.085	.0459	.0332	.1614

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L101.9	50.91	508.5	206.0	257.9	1125.
SDev	.1072	.0445	.2293	.1405	.5179	2.576
%RSD	.1053	.0874	.0451	.0682	.2008	.2289

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L155.3	L-1.125	519.1	978.7	L-579.8	481.5
SDev	3.703	2.167	.1227	1.818	.486	.1956
%RSD	2.385	192.6	.0236	.1857	.0838	.0406

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2022.8	508.09	511.84	1989.	998.0	2023.4
SDev	1.1937	1.1173	1.4337	3.984	.2306	4.9372
%RSD	.059	.2199	.2801	.2003	.0231	.24401

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	497.3	509.0	503.48	510.39	2007.6	2030.5
SDev	.2059	.3128	.25862	1.8043	3.2748	3.4246
%RSD	.0414	.0614	.05136	.35351	.16311	.16866

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	507.29	514.12	5.0000	11580.4
SDev	3.7783	.26313	0	7.35418
%RSD	.7448	.05118	0	.0635

Method: TOTAL Sample Name: GCTJAT Operator: LRW
Run Time: 04/02/04 17:26 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2236	795.3	4.8900	187.1	391.1	.1949
SDev	.0804	.5835	.51392	.7137	.279	.0016
%RSD	35.96	.0734	10.51	.3815	.0713	.8115

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1924e3	.5979	27.14	2.529	20.21	841.1
SDev	953.4	.0255	.2655	.4471	.0841	3.146
%RSD	.0495	4.268	.9783	17.68	.4163	.374

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8548.	93550.	9983.	-.0331	11130.	19.44
SDev	32.23	87	21.31	.4843	161	.1855
%RSD	.377	.093	.2135	1461	1.446	.9542

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.0085	2.3578	-.29688	4.301	-37.28	-2.6061
SDev	1.0127	1.5188	.4142	.7183	.0239	3.4162
%RSD	14.449	64.416	139.51	16.7	.0641	131.08

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8448	36.91	-4.3439	5.7036	13.334	3.8504
SDev	.0535	.0037	.61257	1.9712	2.6244	.20799
%RSD	6.338	.01	14.102	34.561	19.682	5.4019

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.24305	-.32376	5.0000	11691.5
SDev	.28024	.7609	0	7.49505
%RSD	115.3	235.02	0	.0641

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 17:33 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	986.5	25090.	497.64	4884.	1995.	2033.
SDev	.7569	3.602	3.9567	6.614	.5181	1.11
%RSD	.0767	.0144	.7951	.1354	.026	.0546

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50040.	494.8	2004.	2010.	1986.	25060.
SDev	72.99	.5642	1.524	.6159	.5516	17.43
%RSD	.1459	.114	.076	.0306	.0278	.0695

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49560.	49370.	2094.	2000.	47390.	1917.
SDev	15.89	43.54	.2027	12	244	1.425
%RSD	.0321	.0882	.0097	.6003	.5149	.0743

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	502.60	491.94	493.28	4903.	4911.	994.08
SDev	.24155	.44645	2.4003	5.181	1.218	.55316
%RSD	.04806	.09075	.48659	.1057	.0248	.05564

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1993.	2011.	487.56	494.13	498.92	504.44
SDev	1.194	.1096	.68058	1.0091	1.6659	.46954
%RSD	.0599	.0055	.13958	.20422	.3339	.09308

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	492.65	493.59	5.0000	11465.3
SDev	.03318	3.582	0	6.64638
%RSD	.00673	.7257	0	.05796

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 17:39 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1587	60.36	.90738	-1.450	.1975	.0241
SDev	.5316	1.304	1.5051	1.13	.0945	.0879
%RSD	335	2.16	165.87	77.93	47.83	364.9

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	55.11	-.0667	.0190	.3237	-.0155	2.490
SDev	14.01	.0244	.1464	.0545	.1872	3.28
%RSD	25.42	36.57	771.6	16.83	1204	131.7

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.1	2.553	.3648	3.885	-476.6	-.1232
SDev	9.882	.9964	.1226	.2645	193.3	.1921
%RSD	5.879	39.03	33.61	6.808	40.55	156

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.70362	-.83453	1.4371	2.765	.9872	3.4201
SDev	.96048	.54879	2.0649	.2708	.1952	.56199
%RSD	136.51	65.76	143.69	9.791	19.78	16.432

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0549	.6367	-2.3862	-.05988	.11017	.99989
SDev	.0039	.0199	1.1756	1.4097	1.9039	.48949
%RSD	7.161	3.133	49.269	2354.2	1728	48.954

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.0932	1.1095	5.0000	11701.6
SDev	1.1622	2.5156	0	50.9117
%RSD	55.52	226.73	0	.43508

Method: TOTAL Sample Name: GCTJDT Operator: LRW
Run Time: 04/02/04 17:44 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4180	1250.	3.8210	89.76	729.7	.7373
SDev	.4053	4.475	1.0199	1.466	.6006	.037
%RSD	96.95	.3579	26.691	1.633	.0823	5.022

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1588e3	2.106	34.36	10.83	62.34	4652.
SDev	1570	.1026	.1542	.2963	.2316	11.09
%RSD	.0988	4.872	.4488	2.736	.3715	.2384

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4980.	273300.	8044.	.3340	10280.	46.58
SDev	3.172	74.67	9.616	.9616	63.93	.4324
%RSD	.0637	.0273	.1195	287.9	.622	.9282

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.7124	16.567	.60182	2.839	-28.44	-.55897
SDev	1.8447	.07444	.927	.4351	.5583	2.4831
%RSD	18.993	.44935	154.03	15.32	1.963	444.22

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.474	96.88	11.746	18.975	16.078	6.5346
SDev	.0537	.441	.50072	.3616	.15517	2.6882
%RSD	3.641	.4552	4.263	1.9057	.96517	41.138

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.7806	.01334	5.0000	11782.8
SDev	1.7311	.52555	0	14.9908
%RSD	97.222	3938.1	0	.12722

Method: TOTAL Sample Name: GCTJFT Operator: LRW
Run Time: 04/02/04 17:49 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5468	1204.	2.3219	74.06	1589.	.8630
SDev	.0432	1.206	.45192	.6256	.0345	.0205
%RSD	7.902	.1002	19.464	.8447	.0022	2.371

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1607e3	6.596	19.18	10.34	114.9	7946.
SDev	4091	.0183	.026	.3812	.3979	13.07
%RSD	.2545	.2769	.1355	3.687	.3464	.1645

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4144.	269100.	4560.	1.618	16680.	44.17
SDev	.1202	591.7	5.14	.2492	7.628	.1417
%RSD	.0029	.2199	.1127	15.4	.0457	.3209

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.3330	112.37	.97841	2.518	-28.65	-2.5472
SDev	.82005	.55526	.26396	.8739	.0376	1.442
%RSD	11.183	.49412	26.979	34.71	.1313	56.613

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2410	533.5	106.25	115.43	15.476	3.2675
SDev	.4382	.6154	2.146	.23889	2.8023	2.6285
%RSD	181.8	.1154	2.0197	.20696	18.107	80.443

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4987	.71866	5.0000	11523.7
SDev	.29384	.24905	0	15.1324
%RSD	19.607	34.655	0	.13131

Method: TOTAL Sample Name: GCTJFTL Operator: LRW
Run Time: 04/02/04 17:54 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5481	280.8	.86368	11.72	319.6	-.1084
SDev	.1146	6.174	1.3639	.0313	.7595	.0025
%RSD	20.91	2.199	157.92	.2671	.2377	2.292

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	413600.	1.347	4.192	2.325	22.83	1715.
SDev	267.8	.0635	.0048	.0405	.0095	12.39
%RSD	.0647	4.715	.1146	1.74	.0417	.7223

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	885.6	55160.	978.6	-.1735	3029.	9.222
SDev	7.696	96.59	.1526	.2476	56.36	.5938
%RSD	.869	.1751	.0156	142.7	1.861	6.439

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4883	23.753	-.51200	1.284	-6.758	1.6772
SDev	.66839	.43933	.11403	.8787	.2122	1.395
%RSD	44.912	1.8496	22.273	68.43	3.139	83.176

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4815	115.2	22.764	24.247	3.6078	.43006
SDev	.0538	.0977	1.4468	1.381	3.6066	2.8027
%RSD	11.18	.0848	6.3556	5.6954	99.967	651.69

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.12923	-.83213	5.0000	11482.2
SDev	3.2331	1.7851	0	14.9901
%RSD	2501.7	214.52	0	.13055

Method: TOTAL Sample Name: GCTJFTS/5 Operator: LRW
Run Time: 04/02/04 17:59 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	194.9	296.4	996.91	12.16	9884.	-.1229
SDev	.5962	4.098	5.0548	.2424	40.44	.0081
%RSD	.3059	1.383	.50703	1.993	.4091	6.591

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	414700.	191.8	-6.457	971.7	22.48	1717.
SDev	1510	.5952	.0722	4.248	.3172	6.981
%RSD	.3643	.3103	1.118	.4371	1.411	.4065

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	888.0	55330.	980.7	-.5219	3039.	7.699
SDev	1.604	260.2	3.908	.7405	80.06	.0629
%RSD	.1807	.4702	.3985	141.9	2.635	.8171

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	205.72	991.12	.23347	2.632	-5.884	-.34358
SDev	1.5644	4.6962	1.3998	1.777	.227	1.5847
%RSD	.76044	.47382	599.53	67.51	3.857	461.23

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5215	115.9	982.46	995.45	207.10	205.03
SDev	.2171	.5955	3.6769	5.2051	3.1901	3.9381
%RSD	41.62	.5138	.37425	.52289	1.5404	1.9207

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.2446	-.27132	5.0000	11504.8
SDev	1.7491	1.2254	0	46.9515
%RSD	140.53	451.63	0	.4081

Method: TOTAL Sample Name: GCTJFTD/5 Operator: LRW
Run Time: 04/02/04 18:03 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	198.8	291.6	1017.2	12.87	10070.	-.1272
SDev	.7024	3.108	1.8924	.866	17.85	.0016
%RSD	.3533	1.066	.18604	6.731	.1772	1.277

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	415300.	195.4	-6.521	991.0	22.64	1730.
SDev	228.8	.5896	.2513	.119	.1337	11.83
%RSD	.0551	.3018	3.854	.012	.5906	.684

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	883.8	55290.	981.3	-.6942	2946.	7.951
SDev	5.002	36.03	.7081	.0003	63.02	.409
%RSD	.5659	.0652	.0722	.0468	2.139	5.144

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	209.01	1009.1	.84023	2.644	-6.483	-.64935
SDev	5.0465	1.9936	.15614	.5904	.6093	.75139
%RSD	2.4145	.19757	18.584	22.33	9.399	115.71

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2487	115.8	1000.9	1013.1	213.13	206.95
SDev	.055	.3215	.16961	2.9043	5.4723	4.834
%RSD	22.13	.2776	.01694	.28666	2.5676	2.3358

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1320	.69455	5.0000	11459.4
SDev	.58551	.52642	0	3.39397
%RSD	51.722	75.793	0	.02961

Method: TOTAL Sample Name: GC83JT Operator: LRW
Run Time: 04/02/04 18:09 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3169	3521.	4.1065	43.66	1103.	1.187
SDev	.069	14.6	1.2002	.0717	3.034	.0016
%RSD	21.78	.4147	29.227	.1643	.2749	.1363

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1199e3	3.540	15.10	66.58	89.43	22700.
SDev	2565	.0358	.3807	.4213	.3356	35.97
%RSD	.2138	1.012	2.52	.6329	.3753	.1585

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5567.	362800.	4587.	.0031	3298.	41.15
SDev	7.589	794.8	7.767	.7228	48.98	.3099
%RSD	.1363	.2191	.1693	23230	1.485	.7531

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.329	30.859	1.7484	3.380	-19.00	.39683
SDev	1.9483	.29693	.44207	1.051	.0809	4.3246
%RSD	18.862	.96221	25.285	31.1	.426	1089.8

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.349	76.17	27.547	32.513	20.326	5.3383
SDev	.6917	.1671	2.9568	1.031	.09251	2.9672
%RSD	51.28	.2193	10.734	3.171	.45514	55.583

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4466	1.8990	5.0000	11818
SDev	1.6916	.18176	0	50.3461
%RSD	116.94	9.5717	0	.42601

Method: TOTAL Sample Name: GC9KNBT 093-106 Operator: LRW
Run Time: 04/02/04 18:15 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0707	104.7	.66438	4.011	2.136	-.3582
SDev	.6017	2.624	1.2976	.1704	.0478	.0169
%RSD	850.4	2.506	195.3	4.248	2.236	4.727

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	531.0	-.0938	-.4385	1.117	.8664	13.11
SDev	2.638	.0827	.0994	.3598	.053	2.605
%RSD	.4969	88.09	22.67	32.23	6.114	19.87

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1185.	65.19	1.111	.8096	H1631e3	6.271
SDev	32.21	.0118	.016	.7237	545.4	.1005
%RSD	2.718	.0181	1.44	89.4	.0334	1.603

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H9.4674	.61991	4.1106	3.987	-.4231	3.7893
SDev	1.1996	.03154	.89945	1.154	.5983	2.5141
%RSD	12.671	5.0885	21.881	28.95	141.4	66.347

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1383	11.41	.11237	.87331	17.191	5.6113
SDev	.0533	.2894	.24455	.07479	.58298	2.0895
%RSD	38.57	2.537	217.62	8.5649	3.3912	37.238

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.80059	6.5625	5.0000	11709.2
SDev	.58651	1.0557	0	1.69733
%RSD	73.26	16.087	0	.01449

Method: TOTAL Sample Name: GDD78BT Operator: LRW
Run Time: 04/02/04 18:20 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0986	76.82	-.36886	-.6567	.1319	-.4013
SDev	.6202	2.422	.26375	.1717	.0001	.0004
%RSD	629	3.153	71.505	26.14	.0537	.0989

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	153.7	-.0557	-.1973	.6266	-.0599	17.34
SDev	17.34	.0601	.65	.3626	.4142	.6536
%RSD	11.28	108	329.5	57.87	691.3	3.768

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	167.4	16.48	.1684	-1.925	565.4	-.6788
SDev	3.726	.3547	.0316	.2432	66.89	1.401
%RSD	2.226	2.153	18.78	12.64	11.83	206.4

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.5519	.29296	-.12499	1.818	.0000	3.6840
SDev	.53054	1.2266	2.6009	.7994	0	1.7735
%RSD	34.186	418.67	2080.9	43.97	0	48.139

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2888	1.572	-.63699	.75725	-3.0930	-.78252
SDev	.0542	.1232	2.1721	.7545	.71686	.43752
%RSD	18.76	7.834	340.99	99.637	23.177	55.912

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.39500	-.38459	5.0000	11623.5
SDev	.57473	4.1863	0	2.40443
%RSD	145.5	1088.5	0	.02068

Method: TOTAL Sample Name: GDD78CT Operator: LRW
Run Time: 04/02/04 18:25 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52.23	2154.	1975.9	900.4	1945.	50.36
SDev	.3507	.6962	10.092	2.52	4.377	.1095
%RSD	.6715	.0323	.51074	.2799	.2251	.2175

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L96.94	50.62	503.9	203.7	255.0	1068.
SDev	6.539	.1091	.2863	.2953	.5945	5.436
%RSD	6.746	.2155	.0568	.145	.2331	.5091

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L151.0	L-1.922	519.7	968.8	L-511.2	481.3
SDev	1.587	5.437	.2211	6.072	17.25	.4312
%RSD	1.051	282.8	.0425	.6267	3.374	.0896

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2011.2	502.59	506.26	1974.	984.8	2002.2
SDev	2.3201	.78796	1.2202	2.992	.8533	9.3451
%RSD	.11536	.15678	.24102	.1516	.0867	.46673

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	491.8	512.1	501.35	503.21	1995.6	2018.9
SDev	.3185	2.011	1.3944	1.8775	.40068	3.2784
%RSD	.0648	.3928	.27812	.3731	.02007	.16238

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	503.02	507.88	5.0000	11608.5
SDev	.7014	1.4793	0	8.90926
%RSD	.13944	.29126	0	.07674

Method: TOTAL Sample Name: GCTH8T Operator: LRW
Run Time: 04/02/04 18:31 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3288	67.07	1.6976	81.00	364.0	-.3109
SDev	.3876	6.518	.46612	.2654	.4107	.0683
%RSD	117.9	9.719	27.459	.3277	.1128	21.98

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H701300.	.7864	10.31	.2191	1.831	-1.389
SDev	990.6	.013	.0426	.0018	.2114	3.336
%RSD	.1412	1.655	.4128	.8173	11.54	240.2

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8778.	21950.	3003.	2.624	H1144e3	25.19
SDev	18.48	40.93	4.613	1.243	1196	.5896
%RSD	.2106	.1864	.1536	47.38	.1045	2.341

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.8181	.96591	1.7745	2.769	-10.72	3.6973
SDev	.94981	.82164	.53101	1.922	.0092	.25831
%RSD	10.771	85.064	29.925	69.4	.0856	6.9866

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5871	13.92	-1.4568	2.1754	14.503	5.9801
SDev	.1666	.2521	.3945	1.4288	3.2926	.21983
%RSD	28.38	1.811	27.081	65.679	22.704	3.6761

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0762	2.1231	5.0000	11396.9
SDev	1.493	1.5415	0	9.75793
%RSD	138.73	72.606	0	.08561

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 18:37 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	983.9	25040.	495.61	4844.	1994.	2029.
SDev	2.467	37.47	.94827	27.06	5.056	2.018
%RSD	.2507	.1497	.19133	.5587	.2535	.0995

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49950.	495.2	2003.	2009.	1979.	25040.
SDev	2.149	.2653	1.464	3.362	4.619	38.97
%RSD	.0043	.0536	.0731	.1673	.2333	.1556

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49260.	49140.	2096.	1993.	47460.	1921.
SDev	143.2	76.24	1.864	14.48	33.38	2.549
%RSD	.2907	.1551	.0889	.7267	.0703	.1327

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	505.95	492.10	492.43	4902.	4897.	994.08
SDev	3.0722	.48954	1.1302	9.164	8.623	.85302
%RSD	.60721	.09948	.2295	.187	.1761	.08581

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1990.	2010.	491.43	492.43	500.43	508.71
SDev	3.222	1.291	3.3978	2.4303	1.7352	5.4723
%RSD	.1619	.0642	.69139	.49352	.34674	1.0757

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	495.16	491.06	5.0000	11473
SDev	3.4946	.05027	0	1.13109
%RSD	.70574	.01023	0	.00985

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 18:44 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0584	58.05	1.3091	-.5725	.2675	.0441
SDev	.1687	.3683	.50675	.3343	.0965	.1138
%RSD	288.9	.6345	38.71	58.39	36.06	257.7

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.40	-.0276	.5098	.2998	.1356	2.024
SDev	6.361	.0936	.2489	.1798	.0099	3.934
%RSD	29.72	338.5	48.83	60	7.282	194.4

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	160.4	6.190	.3345	2.190	-286.8	.3065
SDev	7.762	3.969	.079	2.665	41.04	1.198
%RSD	4.839	64.12	23.61	121.7	14.31	390.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.11071	-.63080	.66129	2.423	.9913	3.0453
SDev	1.3287	.39358	3.2941	.0714	.2	2.2778
%RSD	1200.2	62.394	498.12	2.945	20.18	74.795

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0948	.6412	-.93973	-.47656	.02013	.15593
SDev	.0559	.0809	.19378	.68682	1.2267	1.3796
%RSD	58.93	12.62	20.621	144.12	6092.7	884.76

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.17095	1.0768	5.0000	11658.7
SDev	1.4738	4.2028	0	3.25241
%RSD	862.1	390.31	0	.02789

Method: TOTAL Sample Name: GCTJCT Operator: LRW
Run Time: 04/02/04 18:49 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7472	82.64	1.9712	65.23	187.1	-.2317
SDev	.0435	.1336	.67758	1.094	.1955	.0181
%RSD	5.826	.1617	34.374	1.678	.1045	7.833

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H693400.	1.983	7.772	.9972	5.423	5.707
SDev	1139	.0242	.0452	.09	.0869	5.351
%RSD	.1643	1.222	.582	9.026	1.602	93.75

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11520.	22900.	2354.	2.441	H1100e3	18.72
SDev	20.27	28.55	2.888	.003	286.2	.2898
%RSD	.1759	.1247	.1227	.1209	.026	1.548

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.3274	-.60096	2.0972	1.769	-10.41	3.5571
SDev	.63046	1.7358	.71954	1.254	.0081	1.2672
%RSD	14.569	288.84	34.31	70.89	.078	35.624

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2761	47.31	-2.4135	.30393	10.896	1.0480
SDev	.276	.1963	.54212	2.3318	3.0383	.57166
%RSD	99.98	.4149	22.462	767.21	27.885	54.547

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.2755	2.5074	5.0000	11417.9
SDev	1.1827	.4883	0	8.90926
%RSD	92.725	19.474	0	.07802

Method: TOTAL Sample Name: GCTJET Operator: LRW
Run Time: 04/02/04 18:54 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0689	78.03	6.8958	26.06	480.2	-.2276
SDev	.0288	6.326	.20368	.764	1.321	.0372
%RSD	41.72	8.108	2.9537	2.932	.275	16.36

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H619100.	.4583	12.22	.4971	1.371	12.29
SDev	1685	.1036	.4287	.3162	.2994	1.341
%RSD	.2722	22.61	3.509	63.61	21.84	10.91

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5565.	24580.	3578.	7.475	H1101e3	14.32
SDev	11.01	82.98	8.356	.2644	1829	.5397
%RSD	.1978	.3376	.2336	3.537	.1662	3.767

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.7150	2.3946	2.1024	3.522	-9.211	1.1772
SDev	1.2344	.16881	.85943	1.535	.0187	4.2665
%RSD	21.6	7.0497	40.879	43.58	.2034	362.42

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4299	46.15	1.3291	2.9266	10.279	3.4366
SDev	.0557	.152	.93563	.72021	1.1012	2.4005
%RSD	12.96	.3294	70.396	24.609	10.714	69.852

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.70729	2.7989	5.0000	11472.1
SDev	1.4751	2.0249	0	23.3345
%RSD	208.55	72.348	0	.2034

Method: TOTAL Sample Name: GCTJETL Operator: LRW
Run Time: 04/02/04 18:58 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2854	61.74	1.8713	2.662	94.34	-.3476
SDev	.1842	.8742	3.0504	.3402	.1926	.0001
%RSD	64.53	1.416	163.01	12.78	.2042	.0234

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	134900.	.0575	2.322	-.0028	.7754	-3.149
SDev	208.4	.0654	.5026	.9106	.4086	11.22
%RSD	.1545	113.7	21.65	32340	52.7	356.4

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	899.8	5040.	744.1	1.358	226500.	2.460
SDev	13.21	3.513	1.292	1.467	313	1.41
%RSD	1.468	.0697	.1736	108.1	.1382	57.31

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9917	-.10185	-.34856	1.268	-2.286	.82688
SDev	1.7755	.46199	.49792	2.776	.0001	2.1646
%RSD	89.143	453.57	142.85	218.9	.0024	261.78

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1288	10.23	-2.3018	.99646	2.3546	1.8105
SDev	.4885	.1241	1.2973	1.3403	.21299	2.7682
%RSD	379.2	1.213	56.362	134.51	9.0457	152.9

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.64246	-.84334	5.0000	11555.8
SDev	2.0191	.26153	0	.28242
%RSD	314.28	31.012	0	.00244

Method: TOTAL Sample Name: GCTJETS/5 Operator: LRW
Run Time: 04/02/04 19:03 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	197.0	66.37	1012.4	2.757	9773.	-.3503
SDev	1.017	4.715	10.934	.5831	49.05	.0101
%RSD	.5163	7.103	1.08	21.15	.5019	2.877

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	135200.	198.8	-8.222	992.2	.7631	7.463
SDev	784.1	1.049	.2079	5.845	.2657	.6535
%RSD	.5801	.5278	2.528	.5891	34.82	8.756

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	934.6	5047.	745.7	1.009	226900.	2.950
SDev	18.82	22.14	3.701	.5	1032	.123
%RSD	2.013	.4387	.4963	49.56	.4551	4.17

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	204.36	1003.3	3.0387	1.827	-1.853	2.3423
SDev	4.7867	6.0385	2.5571	1.516	.5961	.78849
%RSD	2.3423	.60188	84.151	82.97	32.17	33.664

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1291	42.44	997.58	1006.1	202.19	205.45
SDev	.6013	.1534	3.8094	7.1514	10.965	1.7021
%RSD	465.8	.3614	.38186	.7108	5.4233	.82847

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3295	3.8920	5.0000	11576.5
SDev	.28902	3.6894	0	56.427
%RSD	21.739	94.796	0	.48742

Method: TOTAL Sample Name: GCTJETD/5 Operator: LRW
Run Time: 04/02/04 19:08 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	199.1	68.75	1025.5	2.557	9863.	-.3340
SDev	.3579	5.52	2.6462	.1977	5.003	.013
%RSD	.1798	8.028	.25804	7.732	.0507	3.878

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	134400.	200.5	-8.389	998.2	.8472	1.389
SDev	118.1	.0715	.135	1.291	.0614	3.955
%RSD	.0879	.0357	1.61	.1293	7.243	284.7

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	906.7	5010.	740.4	1.015	225800.	1.891
SDev	12.7	9.236	1.201	.4941	73.24	2.614
%RSD	1.401	.1843	.1623	48.69	.0324	138.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	206.81	1007.7	-1.0817	2.410	-2.288	2.0877
SDev	.70867	.92268	.8481	2.054	.0042	.7446
%RSD	.34267	.09155	78.405	85.23	.1838	35.666

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4368	24.72	1000.9	1011.2	208.69	205.87
SDev	.0554	.2029	3.332	3.0469	2.0308	.04862
%RSD	12.68	.8208	.33289	.30132	.97309	.02362

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.5122	-2.3767	5.0000	11544.4
SDev	3.4932	.47245	0	21.2132
%RSD	230.99	19.878	0	.18375

Method: TOTAL Sample Name: GCWFHT Operator: LRW
Run Time: 04/02/04 19:14 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0116	71.74	3.2600	63.56	398.8	-.3152
SDev	.057	1.997	.26197	.8934	.0243	.001
%RSD	493.8	2.784	8.0361	1.406	.0061	.3071

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H620300.	.4880	4.459	1.482	24.73	5.191
SDev	611.9	.0944	.1542	.2316	.0353	4.666
%RSD	.0986	19.34	3.458	15.63	.1429	89.89

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15040.	14840.	2792.	9.953	H1085e3	8.046
SDev	25.53	27.75	3.68	.7367	930.7	.3011
%RSD	.1698	.187	.1318	7.402	.0858	3.743

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.5729	.21928	4.2397	8.814	-9.243	-.02923
SDev	1.7652	.09012	1.7659	.595	.004	1.3912
%RSD	38.6	41.097	41.651	6.751	.0433	4758.3

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.986	26.78	-.15981	.40855	6.6058	3.5580
SDev	.4945	.073	.50051	.11477	2.6365	1.3302
%RSD	24.9	.2727	313.19	28.092	39.911	37.386

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	5.3145	3.7031	5.0000	11431.9
SDev	.28734	2.791	0	4.94974
%RSD	5.4067	75.368	0	.04329

Method: TOTAL Sample Name: GC3NRT Operator: LRW
Run Time: 04/02/04 19:19 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0154	788.4	4.8147	6.179	387.9	.7206
SDev	.3732	20.8	.92588	.0918	6.854	.0417
%RSD	2431	2.638	19.23	1.486	1.767	5.788

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	62460.	.5682	36.18	2.999	3.276	6547.
SDev	1046	.0468	1.233	.4682	.2908	116.6
%RSD	1.675	8.237	3.408	15.62	8.875	1.781

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3018.	9434.	1444.	-.5048	H1387e3	25.92
SDev	71.92	174.4	25.48	.703	18040	1.074
%RSD	2.383	1.848	1.765	139.3	1.301	4.142

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.3672	19.633	3.0634	3.615	-1.116	3.2465
SDev	1.0819	.87588	1.6684	1.357	.0156	1.7462
%RSD	12.93	4.4613	54.462	37.52	1.398	53.787

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2492	587.8	17.776	20.560	9.6436	7.7300
SDev	.578	11.44	2.9922	.18067	2.4361	.40581
%RSD	232	1.947	16.833	.87879	25.261	5.2498

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.26900	4.7271	5.0000	11841.9
SDev	.59093	2.2063	0	165.605
%RSD	219.67	46.673	0	1.39846

Method: TOTAL Sample Name: GDD7WB 093-101 Operator: LRW
Run Time: 04/02/04 19:25 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0015	55.14	-.22935	-5.186	.6000	-.3473
SDev	.6116	3.091	.45631	.3225	.0942	.0191
%RSD	39850	5.605	198.96	6.219	15.71	5.492

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	340.1	.0199	.2325	-.2915	1.353	15.36
SDev	11.98	.0023	.1472	.4488	.279	4.539
%RSD	3.524	11.41	63.29	153.9	20.62	29.55

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	165.6	21.07	2.895	-.0520	-206.0	-1.181
SDev	.1005	3.148	.0417	.9611	120.8	.4943
%RSD	.0607	14.94	1.439	1849	58.67	41.87

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3073	-1.1487	.10215	2.230	.0000	5.4561
SDev	.12098	.99337	1.3224	.2807	0	.46079
%RSD	9.2549	86.477	1294.5	12.59	0	8.4456

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0456	6.044	-5.0796	.81375	3.1056	.40940
SDev	.3221	.0941	1.1652	2.0711	5.1923	2.7736
%RSD	706	1.557	22.939	254.51	167.19	677.48

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4347	-.56311	5.0000	11787.9
SDev	1.4386	2.7008	0	18.8088
%RSD	100.27	479.63	0	.15955

Method: TOTAL Sample Name: GDD7WC Operator: LRW
Run Time: 04/02/04 19:29 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.73	1989.	1833.9	845.7	1797.	46.72
SDev	.4368	2.154	1.868	2.393	1.507	.0445
%RSD	.8965	.1083	.10185	.283	.0839	.0952

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46770.	45.83	457.9	186.5	237.1	972.5
SDev	22.72	.091	.1294	.4157	.1373	11.98
%RSD	.0486	.1985	.0283	.2229	.0579	1.232

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45470.	44560.	479.4	877.5	43870.	438.2
SDev	61.11	8.819	.1258	5.79	64.44	3.094
%RSD	.1344	.0198	.0262	.6598	.1469	.7062

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1922.1	459.47	471.31	1807.	906.5	1845.3
SDev	2.5394	2.2161	1.0041	2.338	.9607	8.1831
%RSD	.13211	.48231	.21304	.1294	.106	.44345

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	453.6	470.8	456.82	460.79	1910.7	1927.8
SDev	.3455	.5354	1.2919	2.6775	.43227	3.5915
%RSD	.0762	.1137	.2828	.58105	.02262	.18629

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	467.92	473.00	5.0000	11627.7
SDev	.90649	1.958	0	13.435
%RSD	.19372	.41394	0	.11554

Method: TOTAL Sample Name: GDA01 Operator: LRW
Run Time: 04/02/04 19:35 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4493	68.19	28.091	563.7	200.9	-.2916
SDev	.439	7.035	1.4869	2.034	.2358	.0139
%RSD	97.73	10.32	5.2932	.3609	.1174	4.754

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	79920.	.1798	.4723	-.2861	1.187	1125.
SDev	86.42	.038	0	.6796	.023	5.258
%RSD	.1081	21.11	.0065	237.5	1.936	.4675

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3527.	38870.	141.6	32.42	142700.	5.790
SDev	4.045	38.34	.2143	1.504	26.21	.8955
%RSD	.1147	.0986	.1514	4.638	.0184	15.47

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0065	-1.3703	1.2741	.3342	-.9978	6.5262
SDev	.17737	1.2592	1.42	1.018	.2004	2.9309
%RSD	17.624	91.889	111.45	304.7	20.09	44.91

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6740	2.544	-3.1138	-.49982	6.0447	-1.5089
SDev	.2727	.0666	.16714	1.8043	1.8556	1.1923
%RSD	40.46	2.617	5.3677	360.99	30.697	79.021

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.91656	2.3678	5.0000	11581
SDev	1.1451	1.5573	0	13.5766
%RSD	124.93	65.767	0	.11723

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 19:42 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	989.5	25230.	498.03	4882.	2012.	2035.
SDev	.1549	.5731	2.1629	.877	2.207	2.282
%RSD	.0157	.0023	.43429	.018	.1097	.1121

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50120.	495.9	2012.	2019.	1992.	25150.
SDev	18.27	.155	.8851	2.001	.5933	22.76
%RSD	.0365	.0313	.044	.0991	.0298	.0905

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50220.	49430.	2103.	2004.	47740.	1930.
SDev	3.812	58.33	1.645	9.661	99.52	.484
%RSD	.0076	.118	.0782	.482	.2085	.0251

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.70	495.50	495.15	4918.	4931.	992.52
SDev	1.7172	.44235	1.3465	1.179	3.654	4.4763
%RSD	.34024	.08927	.27194	.024	.0741	.451

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2001.	2016.	489.94	498.27	502.98	505.55
SDev	1.67	.8943	1.4848	.07809	7.7833	1.3114
%RSD	.0835	.0444	.30306	.01567	1.5474	.25939

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	493.44	496.00	5.0000	11485.5
SDev	2.0336	1.0035	0	13.7181
%RSD	.41214	.20231	0	.11943

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 19:49 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1696	55.03	-.15470	-.5977	.2325	.0392
SDev	.4345	4.885	.94482	.6886	.2415	.117
%RSD	256.2	8.876	610.73	115.2	103.9	298.8

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.123	.0892	.2995	.3591	.1925	-5.357
SDev	5.554	.1432	.447	.8133	.0208	1.279
%RSD	108.4	160.5	149.2	226.5	10.83	23.87

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	167.1	1.823	.1765	2.697	-335.7	-.8946
SDev	20.54	5.056	.143	2.424	75.54	.6981
%RSD	12.29	277.4	81.01	89.87	22.5	78.03

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.7347	-1.4444	.95881	2.415	.9893	3.5709
SDev	3.2008	1.042	.9908	1.377	.2011	.93758
%RSD	85.705	72.139	103.34	57.02	20.33	26.256

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1698	.2975	-.88666	-1.7228	3.7685	3.7179
SDev	.3799	.402	.52133	1.3019	6.5158	1.5458
%RSD	223.7	135.1	58.797	75.567	172.9	41.578

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.1010	-.11067	5.0000	11684.4
SDev	.88914	1.9294	0	14.9908
%RSD	28.673	1743.3	0	.12829

Method: TOTAL Sample Name: GDCHH Operator: LRW
Run Time: 04/02/04 19:53 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2992	68.98	1.9392	137.6	72.81	-.2502
SDev	.3112	2.158	1.5905	.7501	.1661	.0196
%RSD	104	3.128	82.017	.5453	.2281	7.852

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	145400.	.1330	.2258	.1508	4.586	-3.106
SDev	279.1	.0765	.1507	.0486	.057	.6519
%RSD	.1919	57.48	66.74	32.26	1.242	20.99

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2850.	41600.	144.7	1.345	78870.	-.3225
SDev	16.86	53.94	.1222	2.919	21.32	.9007
%RSD	.5916	.1297	.0845	217	.027	279.3

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4851	-1.9792	-.25021	-.9026	-2.278	5.2685
SDev	5.4089	.20655	2.8595	.0007	.0037	1.8032
%RSD	217.65	10.436	1142.8	.0734	.1609	34.227

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6683	44.06	-6.1715	.11380	8.1580	-.34702
SDev	.1648	.0392	.76038	.68929	7.6535	4.2883
%RSD	24.66	.0889	12.321	605.68	93.817	1235.7

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.84862	-.79881	5.0000	11598.6
SDev	3.4567	2.5614	0	18.6672
%RSD	407.34	320.65	0	.16094

Method: TOTAL Sample Name: GDCVQ Operator: LRW
Run Time: 04/02/04 19:58 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5696	2011.	2.4492	37.75	36.51	-.1835
SDev	.3088	10.06	1.7092	.4712	.0225	.0151
%RSD	54.22	.5005	69.785	1.248	.0615	8.244

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49030.	.7218	.5094	2.613	5.567	1700.
SDev	56.45	.0497	.2496	.5447	.3232	7.97
%RSD	.1151	6.89	48.99	20.84	5.805	.4688

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4361.	7251.	251.5	4.265	75020.	2.000
SDev	19.5	.0701	.3991	1.208	403.6	1.794
%RSD	.4471	.001	.1587	28.33	.538	89.7

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.75224	31.662	.26501	-.1369	31.59	2.1990
SDev	3.0342	.48255	.50004	.7957	.1781	3.0333
%RSD	403.35	1.5241	188.68	581.4	.5638	137.94

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.570	175.3	27.923	33.528	3.7193	-.72907
SDev	.1602	.2209	.85739	.29541	1.4705	3.8148
%RSD	6.234	.1261	3.0705	.88107	39.536	523.24

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.17799	.30845	5.0000	11655.8
SDev	2.0077	1.752	0	8.20285
%RSD	1127.9	567.99	0	.07037

Method: TOTAL Sample Name: GDC1W Operator: LRW
Run Time: 04/02/04 20:03 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4818	941.9	-.24058	21.43	33.75	-.2564
SDev	.8363	14.9	.52582	.2898	.5305	.032
%RSD	173.6	1.582	218.56	1.352	1.572	12.47

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16090.	-.0654	.4740	1.127	1.789	806.4
SDev	183.1	.1172	.4928	.6425	.3866	6.88
%RSD	1.138	179.1	104	57	21.6	.8532

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	997.8	7298.	44.11	.1191	6917.	.9682
SDev	10.06	95.27	.4771	.7049	175.3	2.342
%RSD	1.009	1.305	1.082	591.9	2.534	241.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.6725	.00943	-1.7446	1.677	16.22	4.1312
SDev	1.9752	.00165	.33503	2.242	.6515	.73133
%RSD	53.784	17.573	19.204	133.6	4.017	17.703

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.153	17.17	-2.2624	1.1437	10.482	.27256
SDev	.0161	.6251	3.1309	1.5656	6.9032	.48515
%RSD	1.398	3.641	138.39	136.89	65.855	178

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.6593	-1.2880	5.0000	11807.8
SDev	3.17	2.0849	0	101.541
%RSD	119.2	161.88	0	.85994

Method: TOTAL Sample Name: GDC17 Operator: LRW
Run Time: 04/02/04 20:08 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3290	1623.	.44632	20.00	31.71	-.2944
SDev	.3347	2.41	1.0305	.0708	.07	.0195
%RSD	101.7	.1485	230.88	.3541	.2209	6.623

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45830.	.1281	1.456	2.494	4.252	2039.
SDev	.8369	.0605	.1008	.3235	.1326	4.65
%RSD	.0018	47.2	6.921	12.97	3.119	.228

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1955.	17880.	249.8	-.8777	9320.	2.821
SDev	15.8	14.93	.1085	.2399	98.77	.8036
%RSD	.8085	.0835	.0434	27.33	1.06	28.48

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.7798	.51422	-.66412	.6210	27.45	4.5139
SDev	2.4518	1.4022	.06769	1.3	.5371	1.5713
%RSD	88.203	272.68	10.193	209.3	1.956	34.811

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.599	17.21	-.61420	1.0776	6.1930	1.0757
SDev	.1706	.1064	1.7612	1.223	2.3906	2.4824
%RSD	4.741	.6184	286.74	113.49	38.601	230.77

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.7379	-1.8633	5.0000	11727.4
SDev	.86073	.32823	0	25.739
%RSD	49.528	17.616	0	.21947

Method: TOTAL Sample Name: GDC19 Operator: LRW
Run Time: 04/02/04 20:13 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6055	245.5	-1.8427	16.24	28.31	-.3184
SDev	.2942	1.886	1.0602	.0237	.1205	.0017
%RSD	48.58	.7683	57.535	.1462	.4255	.5409

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21780.	.0370	-.0159	-.4074	.7718	202.4
SDev	9.948	.1232	.199	.1785	.0322	13.51
%RSD	.0457	333	1249	43.81	4.173	6.674

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3070.	10150.	5.856	-.0425	5043.	.2269
SDev	27.3	1.215	.0104	.4815	32.11	.2996
%RSD	.8895	.012	.1778	1132	.6367	132

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3835	-.54358	-.83768	1.589	3.383	2.0995
SDev	1.697	1.0779	2.3981	2.663	.0028	1.6142
%RSD	122.66	198.3	286.27	167.7	.0833	76.886

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2583	18.31	-3.4783	.92156	7.1443	-1.4926
SDev	.4292	.1851	1.0367	1.0986	.77337	2.9303
%RSD	166.1	1.011	29.804	119.21	10.825	196.32

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.82157	-1.6661	5.0000	11714.3
SDev	3.4568	1.8695	0	9.75793
%RSD	420.75	112.21	0	.08329

Method: TOTAL Sample Name: GDC2KF Operator: LRW
Run Time: 04/02/04 20:17 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5284	73.13	2.9734	29.11	11.66	-.3521
SDev	.21	3.75	.95203	.1125	.0161	.0147
%RSD	39.73	5.127	32.019	.3864	.1382	4.163

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	74080.	.1074	3.995	.0746	4.503	-4.438
SDev	201.9	.0688	.0951	.1326	.22	3.941
%RSD	.2726	64.08	2.38	177.9	4.885	88.82

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19180.	27700.	9.104	-.5520	8627.	3.901
SDev	11.77	59.55	.0977	1.212	17.73	.3067
%RSD	.0614	.215	1.074	219.5	.2055	7.863

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.9789	-.59345	1.3955	-.8022	-.7078	3.5630
SDev	1.2663	.34002	1.5703	.8686	.6012	1.0348
%RSD	42.51	57.295	112.53	108.3	84.94	29.042

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2129	6.847	-5.0934	1.6532	4.9598	1.9899
SDev	.0521	.2791	.39055	.31479	6.9995	1.596
%RSD	24.47	4.076	7.6677	19.042	141.13	80.205

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.61859	1.7834	5.0000	11669.2
SDev	.85219	1.9289	0	15.8395
%RSD	137.76	108.16	0	.13573

Method: TOTAL Sample Name: GDC24F Operator: LRW
Run Time: 04/02/04 20:22 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6562	77.96	1.1307	2.354	54.52	-.3353
SDev	.1098	1.801	.38922	.557	.3414	.0228
%RSD	16.73	2.31	34.423	23.66	.6261	6.796

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53690.	.1015	8.268	-.0894	.7141	-8.997
SDev	192.6	.0392	.0717	.4559	.2949	5.159
%RSD	.3588	38.58	.8671	510.2	41.3	57.35

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	364.9	27600.	14.15	-.8983	40940.	.0170
SDev	14.92	114.9	.1157	.7224	247.4	.1927
%RSD	4.088	.4162	.8174	80.42	.6042	1131

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.9245	-.45041	1.4515	.0130	-.9878	4.3910
SDev	1.3049	.27148	1.6355	.8701	.203	.73405
%RSD	44.619	60.274	112.68	6688	20.56	16.717

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5566	8.005	-4.0906	1.3669	5.6539	1.5619
SDev	.1076	.1105	1.1094	.96086	2.6494	.63367
%RSD	19.34	1.38	27.12	70.293	46.859	40.571

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.81880	1.7674	5.0000	11705
SDev	.58608	2.1595	0	42.1433
%RSD	71.579	122.18	0	.36004

Method: TOTAL Sample Name: GDC31 Operator: LRW
Run Time: 04/02/04 20:27 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4246	1371.	4.2104	44.83	18.37	-.3383
SDev	.2367	2.119	1.0041	.3181	.0953	.0112
%RSD	55.73	.1545	23.849	.7095	.5185	3.306

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16300.	.3081	.3700	2.290	1.329	17840.
SDev	35.79	.0468	.0489	.2801	.1399	33.88
%RSD	.2196	15.19	13.22	12.23	10.52	.1899

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14730.	2936.	144.5	.1327	66270.	.7876
SDev	46.49	4.181	.1135	.4783	80.31	.1057
%RSD	.3155	.1424	.0786	360.5	.1212	13.43

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.9891	-1.3482	-1.0259	-1.315	13.52	7.3849
SDev	2.077	.57332	.26487	.288	.0356	.78362
%RSD	69.484	42.524	25.82	21.91	.263	10.611

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.612	37.44	-2.9436	-.55172	7.4882	.74295
SDev	.0089	.4185	2.1614	1.9386	3.6134	1.3099
%RSD	.3413	1.118	73.426	351.38	48.254	176.31

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.32153	-1.6985	5.0000	11720.2
SDev	.85596	.82446	0	30.8296
%RSD	266.21	48.539	0	.26304

Method: TOTAL Sample Name: GDC44 Operator: LRW
Run Time: 04/02/04 20:32 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2728	77.87	1.0725	53.87	49.11	-.3215
SDev	.3504	4.486	1.7371	.3964	.0034	.0018
%RSD	128.4	5.761	161.96	.7359	.007	.5748

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	64600.	.1523	.0425	27.82	1.718	2197.
SDev	.4502	.0595	.0996	.1619	.1447	1.922
%RSD	.0007	39.06	234.3	.5818	8.424	.0875

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4841.	4377.	187.7	-1.387	120100.	49.89
SDev	.7758	.3256	.0759	.9664	155.8	1.047
%RSD	.016	.0074	.0405	69.65	.1298	2.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.7520	-1.2291	-.03658	.8794	-.2823	6.2785
SDev	1.7853	.89429	1.9459	.6474	.0003	.55251
%RSD	47.583	72.76	5318.5	73.62	.0907	8.8001

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1215	16.74	-3.3500	-.17024	7.9313	1.6655
SDev	.3765	.2237	.45531	1.1135	3.2025	1.0778
%RSD	309.9	1.336	13.591	654.04	40.378	64.712

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.3167	.60252	5.0000	11697.3
SDev	2.0046	1.9167	0	10.6066
%RSD	152.24	318.11	0	.09067

Method: TOTAL Sample Name: GDC44S Operator: LRW
Run Time: 04/02/04 20:36 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53.05	2213.	2006.8	995.1	2030.	50.83
SDev	.1811	1.515	2.2327	6.466	3.792	.0188
%RSD	.3414	.0685	.11125	.6498	.1867	.0369

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	114200.	49.47	499.4	231.1	263.6	3267.
SDev	104.1	.0717	.0642	.0768	1.615	.9554
%RSD	.0912	.145	.0129	.0332	.6127	.0292

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	58040.	53340.	703.1	962.3	170600.	528.1
SDev	72.33	90.74	.9998	13.04	264.3	.4774
%RSD	.1246	.1701	.1422	1.355	.1549	.0904

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2088.1	500.67	520.38	1962.	993.4	1995.5
SDev	2.0916	.1821	.06663	4.522	1.339	4.7178
%RSD	.10016	.03637	.0128	.2305	.1348	.23642

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	494.8	524.3	494.86	503.57	2079.9	2092.2
SDev	1.644	.3173	.66776	.60643	6.2395	.02071
%RSD	.3323	.0605	.13494	.12042	.29998	.00099

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	514.34	523.40	5.0000	11549.9
SDev	2.3515	1.2739	0	3.81865
%RSD	.45719	.2434	0	.03306

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 20:43 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	989.0	25240.	499.63	4889.	2010.	2034.
SDev	2.403	29.5	3.0477	23.54	3.357	3.406
%RSD	.243	.1169	.60998	.4815	.167	.1675

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50050.	496.4	2012.	2018.	1994.	25150.
SDev	121.6	.8612	5.387	3.808	4.311	44.88
%RSD	.2431	.1735	.2678	.1887	.2162	.1784

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50150.	49450.	2087.	2008.	47770.	1929.
SDev	180.4	102.7	5.362	18.78	266.4	1.628
%RSD	.3597	.2078	.2569	.9349	.5576	.0844

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	503.92	493.55	494.34	4908.	4934.	997.28
SDev	5.6382	1.1077	.15582	1.541	11.78	.96087
%RSD	1.1189	.22443	.03152	.0314	.2387	.09634

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2002.	2015.	489.24	495.71	498.78	506.49
SDev	4.813	1.379	1.7813	.77143	2.2737	7.3179
%RSD	.2404	.0684	.36409	.15562	.45586	1.4448

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	494.04	494.50	5.0000	11509.2
SDev	2.5983	1.5308	0	17.5368
%RSD	.52592	.30956	0	.15237

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 20:50 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0878	61.50	1.2007	-.3532	.2667	.0404
SDev	.519	2.481	.56744	1.678	.0962	.1128
%RSD	591	4.035	47.259	475.1	36.06	279.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.094	-.0425	.1229	.2326	.6196	3.866
SDev	4.512	.0213	.299	.0889	.0408	11.76
%RSD	63.6	50.07	243.3	38.24	6.589	304.2

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	173.9	6.406	.2438	Q5.094	-463.6	-.1897
SDev	1.595	8.62	.1734	.0036	24.26	.8976
%RSD	.9172	134.6	71.14	.0704	5.234	473.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1091	-.61532	1.6279	3.030	.9897	4.3165
SDev	2.6045	1.0411	1.2776	.7926	.1994	3.6828
%RSD	234.84	169.2	78.477	26.16	20.15	85.318

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3240	.2321	-1.5442	-.15159	5.3912	-1.0288
SDev	.4839	.0889	1.1458	.98881	4.4923	1.6621
%RSD	149.4	38.3	74.205	652.26	83.327	161.56

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.1586	3.0191	5.0000	11677.3
SDev	.00015	1.9155	0	6.64638
%RSD	.01355	63.444	0	.05691

Method: TOTAL Sample Name: GDC44D Operator: LRW
Run Time: 04/02/04 20:54 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52.86	2214.	1997.2	987.1	2016.	50.71
SDev	.8045	.9712	3.0795	.8598	.0577	.0476
%RSD	1.522	.0439	.15419	.0871	.0029	.0938

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	114100.	49.26	498.3	230.1	262.5	3317.
SDev	125.4	.2215	.3888	.3577	.3296	10.37
%RSD	.1099	.4496	.078	.1555	.1256	.3127

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	57600.	53070.	702.7	957.8	170200.	526.9
SDev	23.53	62.21	.6207	7.836	209	.1918
%RSD	.0409	.1172	.0883	.8181	.1228	.0364

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2085.0	497.31	517.68	1956.	987.6	1987.2
SDev	3.7662	.2709	1.8105	4.723	.7146	10.214
%RSD	.18062	.05447	.34973	.2414	.0724	.51398

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	492.5	523.1	493.69	499.11	2075.4	2089.9
SDev	.4387	.0328	4.9434	2.0618	3.8506	3.7239
%RSD	.0891	.0063	1.0013	.4131	.18553	.17818

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	512.80	520.11	5.0000	11558.4
SDev	4.5047	4.9634	0	17.8192
%RSD	.87844	.95428	0	.15416

Method: TOTAL Sample Name: GDC5E Operator: LRW
Run Time: 04/02/04 21:00 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3557	65.08	-.26041	1716.	47.16	-.3361
SDev	.0596	4.463	1.4852	1.678	.2545	.0374
%RSD	16.75	6.858	570.35	.0978	.5396	11.12

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	190800.	.1852	.6251	9.430	1.918	26.15
SDev	871.3	.076	.1048	.678	.279	16.57
%RSD	.4566	41.05	16.76	7.19	14.55	63.38

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	264900.	520600.	3.894	9.068	H3039e3	294.6
SDev	895.1	2202	.0213	.0114	4711	1.686
%RSD	.3379	.4229	.5461	.1259	.155	.5722

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.3903	-1.9486	1.1723	-3.796	-2.835	7.0363
SDev	1.4929	1.563	.26507	.0027	.6302	1.8986
%RSD	27.696	80.211	22.612	.0702	22.22	26.982

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.9388	9.314	-4.9169	-.46668	11.932	2.1245
SDev	.2269	.3681	4.2843	4.4823	2.9435	.76872
%RSD	24.16	3.952	87.134	960.45	24.669	36.183

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3078	1.1046	5.0000	11062.2
SDev	1.8334	1.3127	0	11.8799
%RSD	140.19	118.84	0	.10739

Method: TOTAL Sample Name: GDC5K Operator: LRW
Run Time: 04/02/04 21:05 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5545	125.8	5.0872	1315.	182.8	-.3575
SDev	.3432	4.459	.84276	3.507	.1351	.0144
%RSD	61.9	3.544	16.566	.2667	.0739	4.015

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	283800.	.2239	1.290	.3706	2.691	65.70
SDev	820.1	.0431	.4234	.0023	.0286	1.455
%RSD	.289	19.26	32.82	.6247	1.062	2.214

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	273400.	486300.	301.0	11.54	H3141e3	.0570
SDev	227.6	1629	.8799	.2446	2286	.1079
%RSD	.0832	.335	.2924	2.121	.0728	189.4

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.94074	-1.1567	-.13801	-2.458	-4.067	7.6081
SDev	.27521	1.2749	1.3718	.3862	.635	2.5835
%RSD	29.255	110.21	993.96	15.71	15.61	33.957

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6837	9.029	-4.9205	.72230	10.470	-3.8169
SDev	.1135	.0098	.85721	1.4834	.47766	.65108
%RSD	16.6	.1081	17.421	205.37	4.5621	17.058

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.8464	-1.1287	5.0000	10960.5
SDev	.61378	1.7503	0	11.1721
%RSD	33.242	155.06	0	.10193

Method: TOTAL Sample Name: GDC5V Operator: LRW
Run Time: 04/02/04 21:10 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0407	56.97	1.9226	-.9935	-.0068	-.3486
SDev	.6428	.975	1.7694	.8479	.0962	.0314
%RSD	1579	1.711	92.034	85.34	1410	9.01

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	122.3	-.0363	.1602	-.6009	.3373	-6.222
SDev	39.15	.0817	.05	.3581	.0343	2.589
%RSD	32.02	225.2	31.2	59.59	10.16	41.61

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	219.7	168.0	-.0372	.1248	1039.	-1.389
SDev	6.372	75.37	.1263	.2398	546	.3972
%RSD	2.9	44.87	339.2	192.2	52.55	28.6

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9067	-1.5358	-.57101	-1.415	-.1409	2.3411
SDev	.65551	.51932	1.3923	1.584	.1993	1.6549
%RSD	34.38	33.815	243.83	111.9	141.4	70.688

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3286	3.526	-3.7758	-.41743	8.7709	-1.5203
SDev	.5366	.1451	2.0627	1.8084	.41975	1.1923
%RSD	163.3	4.115	54.629	433.22	4.7858	78.428

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.83341	-1.2722	5.0000	11724.2
SDev	1.725	1.2262	0	9.05151
%RSD	206.97	96.386	0	.0772

Method: TOTAL Sample Name: GDC5X Operator: LRW
Run Time: 04/02/04 21:15 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0028	1949.	4.9684	46.37	21.30	-.2797
SDev	.1122	2.004	.94519	.9297	.0325	.0132
%RSD	4031	.1028	19.024	2.005	.1526	4.718

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19590.	.1682	.2292	2.791	1.266	19670.
SDev	25.76	.2013	.049	.5012	.3013	30.95
%RSD	.1315	119.6	21.37	17.96	23.8	.1573

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15350.	3183.	168.7	-.3573	68510.	-.0515
SDev	5.056	10.58	.1858	1.209	22.74	.4998
%RSD	.0329	.3323	.1101	338.3	.0332	969.7

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.74141	.05467	-1.7063	.5219	19.20	2.7564
SDev	1.6431	.3506	.57342	.7187	.029	1.1383
%RSD	221.61	641.24	33.607	137.7	.1511	41.297

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.989	34.06	-2.6703	1.4151	5.1957	-1.4824
SDev	.2606	.2595	1.5184	1.2837	2.6126	1.159
%RSD	8.721	.7618	56.861	90.712	50.284	78.187

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.64961	-2.8825	5.0000	11697.9
SDev	1.453	.13427	0	17.6777
%RSD	223.68	4.6583	0	.15111

Method: TOTAL Sample Name: GDC51 Operator: LRW
Run Time: 04/02/04 21:19 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3033	187.9	2.1645	375.2	84.16	-.3127
SDev	.1098	14.48	.49114	6.947	1.35	.0609
%RSD	36.2	7.706	22.691	1.852	1.604	19.47

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	189400.	.1724	-.0646	2.006	1.857	232.8
SDev	3498	.1256	.1614	.0576	.7631	7.995
%RSD	1.847	72.87	249.8	2.874	41.09	3.434

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	69760.	130600.	14.65	1.718	H1142e3	7.542
SDev	1020	2419	.3204	.5368	12330	.4396
%RSD	1.462	1.852	2.187	31.25	1.079	5.829

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.34764	-.41732	.42072	-.7441	1.571	2.0119
SDev	.55816	1.308	3.8653	.0817	.5844	1.4091
%RSD	160.56	313.44	918.72	10.98	37.19	70.04

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2131	60.79	-5.1664	1.9537	7.9939	-3.4698
SDev	.3733	1.384	1.274	1.325	3.0974	.70956
%RSD	175.2	2.277	24.659	67.823	38.748	20.45

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.63326	.31460	5.0000	11526
SDev	1.4708	5.0607	0	171.12
%RSD	232.25	1608.6	0	1.48464

Method: TOTAL Sample Name: GDC52 Operator: LRW
Run Time: 04/02/04 21:24 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2099	106.5	3.4858	1427.	98.66	-.3477
SDev	.501	3.812	1.0307	7.095	.4429	.0275
%RSD	238.7	3.58	29.569	.4972	.4489	7.921

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	179000.	.3306	.6716	100.1	4.262	595.0
SDev	726.7	.0217	.5208	.3051	.3003	.7071
%RSD	.406	6.553	77.55	.3048	7.045	.1188

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	223300.	448500.	12.24	7.034	H2746e3	76.75
SDev	690.5	1924	.0273	.2247	4816	4.224
%RSD	.3092	.4289	.2232	3.195	.1754	5.504

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0468	-1.8483	-1.3919	-1.748	-2.373	7.7194
SDev	1.2086	.35189	2.6859	3.035	.0082	.62719
%RSD	115.46	19.039	192.97	173.6	.3456	8.125

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6436	11.37	-5.9596	.20432	6.7093	-1.7803
SDev	.1082	.1466	.43835	.74642	2.1502	.73848
%RSD	16.81	1.289	7.3555	365.32	32.049	41.482

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.78365	-2.4780	5.0000	11131
SDev	.30393	4.1785	0	38.4669
%RSD	38.785	168.63	0	.34558

Method: TOTAL Sample Name: GDDMJ Operator: LRW
Run Time: 04/02/04 21:29 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1139	710.7	76.676	318.6	90.74	-.3112
SDev	.5565	4.561	1.7492	.5586	.0554	.0033
%RSD	488.4	.6418	2.2813	.1753	.0611	1.061

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	242100.	1.074	2.152	9.620	9.244	73930.
SDev	407.8	.1822	.3565	.4775	.7138	100.8
%RSD	.1685	16.96	16.57	4.964	7.722	.1364

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6539.	40520.	1779.	3.509	74090.	15.32
SDev	9.565	75.37	3.487	.9928	658	1.955
%RSD	.1463	.186	.196	28.29	.8881	12.76

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.1722	11.485	.16124	-.9497	12.66	3.9022
SDev	1.0865	.76715	.86985	.6624	.0214	1.7884
%RSD	50.02	6.6799	539.46	69.75	.1688	45.83

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.437	49.84	8.1045	13.172	6.4958	.01369
SDev	.1045	.1375	.1503	1.0751	4.3359	3.7937
%RSD	7.271	.2758	1.8546	8.1621	66.75	27700

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0355	-.27522	5.0000	11478.5
SDev	2.0652	2.3352	0	19.375
%RSD	199.44	848.44	0	.16879

Method: TOTAL Sample Name: GDDMJF Operator: LRW
Run Time: 04/02/04 21:34 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6182	126.2	8.2428	311.6	42.18	-.3282
SDev	.2428	3.445	.48412	1.24	.1388	.0018
%RSD	39.28	2.73	5.8733	.3978	.329	.5445

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	232500.	.0871	1.655	.6904	1.841	6220.
SDev	191.6	.1119	.255	.6002	.2071	1.238
%RSD	.0824	128.5	15.41	86.94	11.25	.0199

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6329.	39300.	1604.	-.1235	73230.	11.20
SDev	24.13	16.13	2.173	1.236	230.9	.0895
%RSD	.3813	.041	.1355	1001	.3153	.7984

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.57396	.10760	-.45449	-1.053	-2.309	2.8734
SDev	1.1358	.35959	1.5709	.6643	.0022	2.6411
%RSD	197.88	334.18	345.65	63.08	.0952	91.915

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4443	16.73	-1.1674	.74415	1.8838	-.07999
SDev	.1664	.1	.98192	.04889	1.0145	1.1963
%RSD	37.44	.5978	84.111	6.5706	53.854	1495.4

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.17150	-.76702	5.0000	11439.5
SDev	1.1701	2.9394	0	10.8897
%RSD	682.22	383.22	0	.09519

Method: TOTAL Sample Name: GDDMN Operator: LRW
Run Time: 04/02/04 21:39 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0346	255.8	11.817	723.9	542.4	-.3704
SDev	.3122	.2367	1.334	3.298	1.237	.015
%RSD	903	.0925	11.289	.4557	.228	4.042

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	102800.	.1505	.3999	14.08	4.542	7254.
SDev	176.1	.0109	.0999	.6159	.8125	.0732
%RSD	.1713	7.257	24.97	4.373	17.89	.001

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6790.	29000.	424.2	8.706	62270.	9.666
SDev	9.267	28.11	.4165	1.484	235.3	2.335
%RSD	.1365	.0969	.0982	17.04	.3779	24.16

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8673	12.133	-.80537	2.926	4.005	1.4134
SDev	1.0054	2.1775	1.6205	.1525	.8033	.3215
%RSD	53.842	17.947	201.21	5.212	20.06	22.747

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1083	329.5	8.2877	14.053	9.2014	-1.7943
SDev	.1063	.4004	2.3841	2.0743	.28924	1.6517
%RSD	98.11	.1215	28.767	14.761	3.1435	92.051

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.08062	-1.1672	5.0000	11542.6
SDev	.30316	2.5808	0	16.9706
%RSD	376	221.11	0	.14702

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 21:45 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	989.6	25270.	497.92	4903.	2009.	2038.
SDev	.0699	12.85	1.7396	7.708	.7878	1.258
%RSD	.0071	.0509	.34936	.1572	.0392	.0617

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50090.	496.9	2015.	2021.	1998.	25160.
SDev	66.95	.7525	2.367	1.916	.7201	61.48
%RSD	.1336	.1515	.1175	.0948	.036	.2443

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50070.	49410.	2092.	2009.	47770.	1931.
SDev	34.39	31.7	2.729	15.04	5.171	.2116
%RSD	.0687	.0641	.1305	.7484	.0108	.011

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	499.33	495.90	496.10	4919.	4938.	1000.8
SDev	2.4017	1.7359	.60805	3.063	6.698	3.4824
%RSD	.48097	.35006	.12256	.0623	.1356	.34797

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2003.	2021.	491.08	498.30	499.67	499.16
SDev	1.002	.0293	.69111	2.9476	8.0174	.40202
%RSD	.05	.0014	.14073	.59153	1.6046	.08053

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	495.69	496.30	5.0000	11433.3
SDev	3.0324	2.4255	0	15.6979
%RSD	.61173	.48872	0	.13729

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 21:52 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6390	58.36	.80432	.9006	.2007	.0051
SDev	.0548	1.129	4.171	.0341	.1949	.0552
%RSD	8.58	1.934	518.57	3.79	97.08	1079

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.102	.1449	-.2325	-.1095	.8466	2.475
SDev	7.515	.1308	.1978	.0498	.2534	3.267
%RSD	92.76	90.29	85.08	45.52	29.93	132

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	162.4	2.685	.2473	3.407	-330.1	-.5372
SDev	11.66	3.301	.0812	1.471	259.7	.1973
%RSD	7.183	122.9	32.85	43.19	78.69	36.72

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9361	-.04576	1.0917	1.200	.9947	4.5141
SDev	3.2219	.11851	2.142	1.083	.2035	2.0168
%RSD	166.41	258.98	196.21	90.19	20.46	44.679

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1369	.4865	-3.4503	1.6540	3.0761	1.3669
SDev	.1117	.1496	4.1005	2.2249	2.3215	5.9894
%RSD	81.59	30.76	118.84	134.52	75.47	438.18

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.25274	1.5106	5.0000	11622.5
SDev	.85531	2.7844	0	30.1225
%RSD	338.41	184.33	0	.25917

Method: TOTAL Sample Name: GDDMNF Operator: LRW
Run Time: 04/02/04 21:57 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0235	61.63	3.1380	376.6	389.7	-.1709
SDev	.0993	2.609	.23119	.3158	.4881	.0484
%RSD	422.2	4.233	7.3674	.0838	.1253	28.31

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	111100.	.0760	.4731	-.2890	1.276	346.2
SDev	48.42	.0178	.3018	.1359	.0444	3.141
%RSD	.0436	23.41	63.79	47.01	3.482	.9073

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5696.	32540.	417.6	8.973	63510.	1.108
SDev	45.85	29.43	.1459	2.451	42.14	.5022
%RSD	.805	.0904	.0349	27.32	.0663	45.34

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6578	-.27373	-.82974	.8550	-1.143	5.3026
SDev	1.5652	.71882	.80612	1.46	.0006	2.7447
%RSD	94.414	262.6	97.153	170.8	.0502	51.761

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2476	25.37	-3.8423	1.5079	7.4193	-1.2186
SDev	.22	.0713	2.2757	2.2139	3.3578	.67022
%RSD	88.86	.2813	59.228	146.82	45.257	54.998

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.09510	-1.2915	5.0000	11553.1
SDev	2.3621	2.3879	0	5.79841
%RSD	2483.8	184.9	0	.05018

Method: TOTAL Sample Name: GDDMNFL Operator: LRW
Run Time: 04/02/04 22:01 Filename: I50401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1219	67.35	.75842	70.93	76.94	-.2844
SDev	.0996	.1706	.0064	.2243	.208	.0112
%RSD	81.67	.2533	.84438	.3162	.2704	3.937

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22430.	-.1294	-.0607	-.3224	.6120	59.97
SDev	64.34	.0452	.1493	.3606	.2001	1.469
%RSD	.2869	34.95	246.2	111.8	32.69	2.449

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1130.	6401.	83.62	.4948	12640.	-.5293
SDev	18.05	19.12	.1787	1.219	163.1	.4003
%RSD	1.597	.2987	.2137	246.4	1.29	75.62

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1645	-.03697	1.5373	-.4353	-.8585	1.3551
SDev	.80936	1.0676	1.2686	.2171	.0023	.63944
%RSD	25.576	2887.6	82.518	49.86	.2696	47.19

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3999	9.288	.43514	-.27267	4.3420	2.5766
SDev	.1091	.0578	.03628	1.6187	3.0063	2.7143
%RSD	27.28	.6226	8.3395	593.62	69.237	105.35

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.9051	.85444	5.0000	11539.4
SDev	.58817	1.6082	0	31.1127
%RSD	20.246	188.22	0	.26962

Method: TOTAL Sample Name: CRI/MRL Operator: LRW
Run Time: 04/02/04 22:07 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q-.0336	Q-360.7	Q1.0879	Q-7.740	Q-.2377	Q-1.804
SDev	.2444	.9172	.54073	.1147	.0383	.001
%RSD	727.6	.2543	49.706	1.482	16.11	.0552

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q-7.816	Q.0761	Q.0585	Q-.8984	Q-22.21	Q13.98
SDev	.2445	.0315	.0023	.0932	.1062	4.106
%RSD	3.128	41.32	3.954	10.37	.4784	29.38

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q128.0	Q-3.692	Q-.2613	Q-.1906	Q133.6	Q-.5817
SDev	1.673	1.088	.0054	.5698	7.934	.0439
%RSD	1.307	29.48	2.07	298.9	5.939	7.555

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q1.2796	Q-.54460	Q1.7380	Q.3247	Q.0548	Q5.5993
SDev	.08227	.12363	.08693	.0354	.5539	.329
%RSD	6.4299	22.702	5.002	10.9	1010	5.8759

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q-.5288	Q-.4835	-3.1569	.75957	7.3805	-1.7663
SDev	.1485	.1628	.44096	.03479	.09141	.07771
%RSD	28.09	33.68	13.969	4.5808	1.2386	4.3998

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.82882	2.1919	5.0000	29496.6
SDev	.34798	.30406	0	121.905
%RSD	41.985	13.873	0	.41328

Method: TOTAL Sample Name: CCV Operator: LRW
Run Time: 04/02/04 22:13 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	987.4	25190.	495.85	4892.	2002.	2032.
SDev	.0024	2.652	.11616	12.78	.6374	1.353
%RSD	.0002	.0105	.02342	.2612	.0318	.0666

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49940.	495.4	2010.	2015.	1992.	25090.
SDev	78.4	.1158	1.866	2.991	.3024	19.28
%RSD	.157	.0234	.0929	.1485	.0152	.0769

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49880.	49210.	2085.	2003.	47690.	1924.
SDev	126.2	51.45	2.964	19.19	113.5	.9907
%RSD	.253	.1045	.1422	.9583	.2381	.0515

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	506.87	493.64	496.18	4907.	4926.	992.91
SDev	4.1842	.40486	.06411	7.97	7.718	4.6696
%RSD	.8255	.08201	.01292	.1624	.1567	.47029

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1998.	2013.	490.02	495.45	504.53	508.04
SDev	3.065	.7245	1.8251	1.5182	1.6476	5.4506
%RSD	.1534	.036	.37244	.30642	.32656	1.0729

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	496.46	496.04	5.0000	11448.9
SDev	2.5451	1.1746	0	22.2034
%RSD	.51265	.23678	0	.19393

Method: TOTAL Sample Name: CCB Operator: LRW
Run Time: 04/02/04 22:20 Filename: I50401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0581	64.69	-.02804	.3089	.3378	.0410
SDev	.7051	4.741	1.044	.4851	.001	.0942
%RSD	1214	7.33	3722.4	157	.2985	230.1

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.957	.0918	-.0922	.1795	.9053	-3.575
SDev	.1285	.0108	.4016	.0868	.2905	.0135
%RSD	4.348	11.73	435.6	48.34	32.09	.3778

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	177.2	5.498	.1914	4.095	-271.0	-.3233
SDev	3.617	7.192	.0624	1.45	126.5	.5033
%RSD	2.042	130.8	32.59	35.4	46.66	155.7

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1207	-.24220	.06430	1.203	.9948	4.9144
SDev	1.0757	.92957	2.9093	.7947	.1992	2.6986
%RSD	34.471	383.8	4523.8	66.08	20.02	54.912

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2144	.6508	-1.4109	.34125	4.9381	2.2134
SDev	.1076	.0296	1.301	.74412	2.7877	.22102
%RSD	50.17	4.546	92.214	218.05	56.453	9.986

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.05615	.06838	5.0000	11615.7
SDev	2.3062	3.2104	0	21.3541
%RSD	4107	4694.8	0	.18383

SCAL	STD 4B117	ICSA	STD 4C151	CAL1/CRI	STD —
SCAL2	STD 4C161	ICSAB	STD 4C162	CAL2 (2X)- CAL3	STD —
CRI	STD 4C177	ICV	STD 4C145	SCAL (2X)- CAL 2	STD —
CLP CRI	STD —	CCV	STD 4C171	ICSAB 4.0	STD —

STL North Canton ICP Data Review Checklist

Run/Project Information:

Run Date: 4-2-04 **Analyst:** Ku **Instrument:** 7C

Prep Batches Run: 4089096 4086106 4091110 4091100 4091111 4092095 4091096

Cu/MnRatio: 0.258

Circle Methods used: 6010B / 200.7: CORP-MT-0001 Rev 3.2
CLP ILM03.0 / ILM04.0: CORP-MT-0002 Rev 1.1
6010A/200.7: CORP-MT-0001NC, Rev 2.

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions (2 exposures/sample) and at SOP specified levels ?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? *(ICV (2nd source):*200.7=95 –105%, 6010B/CLP, 90-110%) *(CCV: 90 – 110%)*	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			✓
4. High Std. (HCAL) reanalyzed before samples and recovered within QC limits ? (6010A 95-105%, CLP,6010B- N/A)	✓			✓
5. CRI run at SOP or project-specific frequency? Recovered within QC limits? (6010A +/- 50%, project specific limits may vary)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?	✓			✓
2. All reported results bracketed by in control QC ?	✓			✓
3. Sample analyses done within holding time ?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			✓
3. MS/MSD run at required frequency and within limits ?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits ?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP) ?	✓			✓
6. Post digest spike analyzed if required?			✓	
D. ther				
1. Are all nonconformances documented appropriately ?	✓			✓
2. Current IDL/MDL/LR/IEC data on file ?	✓			✓
3. Calculations checked for error ?	✓			✓
4. Transcriptions checked for error ?	✓			✓
5. All client/project specific requirements met ?	✓			✓
6. Date/time of analysis verified as correct ?	✓			✓

Level I Analyst: Karen L. Counts **Date:** 4-5-04 **Time:** 12:17-22:22
Comments:

Level II Reviewer: [signature] **Date:** 4.5.04 **Time:** 12:17-22:22
Comments:

n: /metals/icpchk.doc
Revision 2.0 07/05/01

Clouseau Nonconformance Memo

SEVERN TRENT STL

NCM #:	**01-10836**		
NCM Initiated By:	Dorothy Leeson	Classification:	**Anomaly**
Date Opened:	03/05/2004	Status:	**QAREVIEW**
Date Closed:		Production Area:	Metals
		Tests:	None
		Lot #'s (Sample #'s):	,
		QC Batches:	None.,
Nonconformance:	Other (describe in detail)		
Subcategory:	Other (explanation required)		

Problem Description / Root Cause

Name	Date	Description
Dorothy Leeson	03/05/2004	Stock standard solutions used for ICP ICSA solutions commonly have low level contamination for certain elements, especially zinc.

Verified contamination is not corrected by interelement correction factors (IEC's) since instrumental determination of the presence of the analyte is due not to spectral interference but due to actual presence of the element in the solution. Contamination can be verified by performing a wavelength scan of the standard solution. If contamination exists, the peak apex will be directly at the expected wavelength for the element of concern. If the presence of the analyte is due to interference from another analyte which produces a peak near the element of concern, the peak apex of the interfering analyte will not be exactly at the wavelength for the element of concern, and an IEC would be generated.

If contamination for an element such as zinc is suspected, an IEC would be inappropriate, and the concentration during analysis of the daily ICSA solution may exceed SOP criteria. In these cases, this NCM will be referenced and a copy of this NCM will be included with the run.

Zinc contamination in ICSA stock solutions has been verified in this lab at various times with wavelength scans. Similarly, contamination for other elements has been verified when suspected. An example scan is included with the I6 ICP analytical run from 4/3/01.

Corrective Action

Name	Date	Corrective Action
Dorothy Leeson	03/05/2004	

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note
	Response	Response Note			

Method: TOTAL Sample Name: S0 Operator:
Run Time: 04/02/04 12:17 Filename: I60401A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	count	count	count	count	count	count
Avge	-.00118	.01914	-.0025	4.14916	.00032	.00889
SDev	.00147	.00001	.00149	.11361	.00005	.00027
%RSD	124.228	.09108	59.8439	2.73818	15.9348	3.0868

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	count	count	count	count	count	count
Avge	.01829	-.03256	-.00075	.0041	.0126	-.0032
SDev	.00034	.00774	.00055	.00153	.00017	.00066
%RSD	1.89442	23.7825	73.9151	37.4246	1.39214	20.8763

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	count	count	count	count	count	count
Avge	.05257	.00248	.00108	.001	.0095	.00086
SDev	.02309	.00004	.0002	0	.00063	.00071
%RSD	43.9182	1.8255	19.0763	.22412	6.65188	82.6435

Elems	Sn	Tl	V	Zn	2203/1	2203/2
Units	count	count	count	count	count	count
Avge	.01999	-.0274	.00039	.00381	.06695	-.00218
SDev	.00345	.00131	.00015	.00009	.0604	.01936
%RSD	17.2933	4.79372	38.7768	2.44427	90.2254	886.99

Elems	2068/2	2068/1	1960/1	1960/2	*Y
Units	count	count	count	count	
Avge	-.00014	-.00923	-.0184	.00913	13882
SDev	.00091	.00847	.00039	.00904	31.1127
%RSD	640.741	91.8327	2.16135	98.9921	.22412

Method: TOTAL Sample Name: CALSTD Operator:
Run Time: 04/02/04 12:22 Filename: I60401A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	As	B	Ba	Be	Cd
Units	count	count	count	count	count	count
Avge	8.82452	3.69979	72.7949	10.9885	43.9132	94.0769
SDev	.01393	.01932	.12409	.01324	.11943	.28792
%RSD	.1579	.52234	.17046	.1205	.27197	.30604

Elems	Co	Cr	Cu	Mn	Mo	Ni
Units	count	count	count	count	count	count
Avge	3.21107	13.4002	3.62023	14.0205	3.57226	6.40596
SDev	.00765	.03254	.00523	.03311	.02141	.01233
%RSD	.23826	.24283	.14461	.23616	.59961	.19257

Elems	Sn	Tl	V	Zn	2203/1	2203/2
Units	count	count	count	count	count	count
Avge	70.2038	5.84208	4.51495	10.2147	22.8921	10.0398
SDev	.23742	.00069	.01027	.01964	.062	.00393
%RSD	.33819	.01194	.2276	.1923	.27084	.0392

Elems	2068/2	2068/1	1960/1	1960/2	*Y	Al
Units	count	count	count	count		
Avge	.58757	4.95079	1.83191	1.62627	13418.8	
SDev	.0014	.00096	.00547	.00429	12.3744	
%RSD	.2396	.01954	.29899	.26394	.09221	

Elems	Ca	Fe	K	Mg	Na3302	Pb
Units						
Avge						
SDev						
%RSD						

Elems	Se	Sb
Units		
Avge		
SDev		
%RSD		

Method: TOTAL Sample Name: CAL 2 Operator:
Run Time: 04/02/04 12:27 Filename: I60401A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al	Fe	*Y	Ag	As	B
Units	count	count				
Avge	8.38391	10.1689	13343.2			
SDev	.00469	.00352	14.4957			
%RSD	.05602	.03463	.10863			

Elems	Ba	Be	Ca	Cd	Co	Cr
Units						
Avge						
SDev						
%RSD						

Elems	Cu	K	Mg	Mn	Mo	Na3302
Units						
Avge						
SDev						
%RSD						

Elems	Ni	Pb	Se	Sb	Sn	Tl
Units						
Avge						
SDev						
%RSD						

Elems	V	Zn	2203/1	2203/2	2068/2	2068/1
Units						
Avge						
SDev						
%RSD						

Elems	1960/1	1960/2
Units		
Avge		
SDev		
%RSD		

Method: TOTAL Sample Name: S100 Operator:
Run Time: 04/02/04 12:30 Filename: I60401A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ca	K	Mg	Na3302	*Y	Ag
Units	count	count	count	count		
Avge	32.1444	151.183	37.826	4.077	13385.5	
SDev	.81909	3.23221	1.02127	.10452	281.428	
%RSD	2.54817	2.13795	2.69993	2.56375	2.10248	

Elems	Al	As	B	Ba	Be	Cd
Units						
Avge						
SDev						
%RSD						

Elems	Co	Cr	Cu	Fe	Mn	Mo
Units						
Avge						
SDev						
%RSD						

Elems	Ni	Pb	Se	Sb	Sn	Tl
Units						
Avge						
SDev						
%RSD						

Elems	V	Zn	2203/1	2203/2	2068/2	2068/1
Units						
Avge						
SDev						
%RSD						

Elems	1960/1	1960/2
Units		
Avge		
SDev		
%RSD		

Method: TOTAL Sample Name: ICV Operator: KLC
Run Time: 04/02/04 12:34 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	481.1	11990.	243.2	Q723.9	961.6	1006.
SDev	3.586	93.56	.5469	69.52	8.496	11.48
%RSD	.7454	.7806	.2249	9.603	.8835	1.142

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	23790.	248.6	988.0	991.4	992.4	12060.
SDev	286.5	2.76	11.09	11.18	7.838	134.5
%RSD	1.204	1.11	1.122	1.128	.7898	1.116

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24730.	Q23420.	982.7	968.6	23750.	991.0
SDev	146.6	259.1	10.88	15.09	278.7	11.73
%RSD	.5929	1.106	1.107	1.557	1.173	1.184

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	251.1	244.7	240.2	1008.	492.5	965.0
SDev	2.575	2.807	.1508	7.673	6.327	10.71
%RSD	1.025	1.147	.0628	.7615	1.285	1.11

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	980.3	250.9	251.3	241.4	239.6	243.6
SDev	11.19	4.283	1.722	1.228	.3871	7.527
%RSD	1.142	1.707	.6853	.5089	.1616	3.089

Elems	1960/2	*Y
Units	PPB	
Avge	245.3	14020.5
SDev	.4497	120.915
%RSD	.1834	.86241

Method: TOTAL Sample Name: ICB Operator: KLC
Run Time: 04/02/04 12:40 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2366	3.523	.3834	Q-265.1	.1844	.1108
SDev	.301	4.808	1.487	33.41	.018	.0541
%RSD	127.2	136.5	387.8	12.6	9.78	48.83

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	147.2	.0506	.3120	.0036	.2786	6.884
SDev	1.033	.0571	.3804	.5819	.0864	8.022
%RSD	.7017	113	121.9	16050	31.03	116.5

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	264.1	80.30	.1038	2.147	58.94	-.6295
SDev	14.09	.9295	.0284	.7376	193.8	1.148
%RSD	5.335	1.158	27.35	34.36	328.8	182.4

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0784	.5122	.3784	.7221	-.3720	.1352
SDev	.2029	.8188	.7586	.7357	3.702	.3176
%RSD	258.7	159.9	200.5	101.9	995.2	234.8

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1203	-.8226	.2931	.0079	.5633	-.5718
SDev	.1644	2.314	1.459	2.993	.3572	2.938
%RSD	136.7	281.3	497.9	37800	63.4	513.7

Elems	1960/2	*Y
Units	PPB	
Avge	1.053	13843.2
SDev	.239	25.8094
%RSD	22.69	.18644

Method: TOTAL Sample Name: CRI\MRL Operator: KLC
Run Time: 04/02/04 12:45 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.422	208.8	14.78	Q14.55	9.955	5.142
SDev	.0473	1.228	.4354	12.41	.0009	.0206
%RSD	.8732	.5884	2.947	85.32	.0095	.4006

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4796.	5.216	5.517	5.617	14.72	298.2
SDev	6.244	.0479	.0541	.1378	.5593	7.987
%RSD	.1302	.9176	.9798	2.453	3.798	2.678

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4985.	4854.	15.33	11.23	5050.	25.08
SDev	10.23	4.451	.0732	.2591	7.245	.2346
%RSD	.2052	.0917	.4776	2.307	.1435	.9356

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.44	21.47	10.17	98.56	15.49	6.963
SDev	1.3	1.086	1.097	.5968	3.938	.2358
%RSD	12.45	5.058	10.78	.6055	25.43	3.386

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	42.91	11.27	10.02	11.84	9.344	21.17
SDev	.0537	3.197	.3524	2.596	.3488	.8959
%RSD	.1252	28.36	3.518	21.93	3.733	4.232

Elems	1960/2	*Y
Units	PPB	
Avge	21.62	14003.5
SDev	1.181	26.87
%RSD	5.462	.19188

Method: TOTAL Sample Name: CALSTD Operator: KLC
Run Time: 04/02/04 12:50 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	As	B	Ba	Be	Cd
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1993.	999.5	9856.	3986.	3989.	996.2
SDev	1.505	.2514	21.41	1.359	8.182	1.298
%RSD	.0755	.0251	.2172	.0341	.2051	.1303

Elems	Co	Cr	Cu	Mn	Mo	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3986.	3983.	3980.	3985.	3992.	3996.
SDev	6.834	7.49	3.295	7.154	26	9.129
%RSD	.1715	.1881	.0828	.1795	.6513	.2284

Elems	Sn	Tl	V	Zn	2203/1	2203/2
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9960.	1994.	3981.	3987.	998.1	997.8
SDev	17.55	3.003	5.938	6.991	4.253	.3687
%RSD	.1762	.1506	.1492	.1753	.4261	.0369

Elems	2068/2	2068/1	1960/1	1960/2	*Y	Al
Units	PPB	PPB	PPB	PPB		PPB
Avge	999.9	999.9	1000.	994.0	13399.5	54.08
SDev	1.091	.8101	1.121	.532	17.6777	.9998
%RSD	.1091	.081	.112	.0535	.13192	1.849

Elems	Ca	Fe	K	Mg	Na3302	Pb
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	97650.	317.0	98100.	98150.	97100.	997.9
SDev	225.3	1.863	74.18	244.4	184	1.17
%RSD	.2308	.5877	.0756	.249	.1895	.1173

Elems	Se	Sb
Units	PPB	PPB
Avge	996.2	999.9
SDev	.0183	.9038
%RSD	.0018	.0904

Method: TOTAL Sample Name: CAL 2 Operator: KLC
Run Time: 04/02/04 12:55 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Al	Fe	*Y	Ag	As	B
Units	PPB	PPB		PPB	PPB	PPB
Avge	48820.	48930.	13530.8	.6877	-.8729	-158.5
SDev	121.8	.4392	6.0104	.0472	.1191	46.21
%RSD	.2494	.0009	.04442	6.863	13.64	29.16

Elems	Ba	Be	Ca	Cd	Co	Cr
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.039	.6978	98320.	.3895	1.217	1.093
SDev	.1147	.0197	115	.1768	.1302	.8114
%RSD	11.04	2.826	.1169	45.38	10.69	74.21

Elems	Cu	K	Mg	Mn	Mo	Na3302
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3946	97610.	98340.	1.226	19.36	98070.
SDev	.3023	290	59.94	.0142	12.46	110.1
%RSD	76.6	.2971	.061	1.157	64.37	.1123

Elems	Ni	Pb	Se	Sb	Sn	Tl
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.260	.0201	2.596	-1.727	3.285	6.066
SDev	.523	.5308	3.958	.2789	2.179	.2981
%RSD	41.51	2641	152.5	16.15	66.34	4.915

Elems	V	Zn	2203/1	2203/2	2068/2	2068/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0478	.9884	-.3175	.1886	.7314	-2.955
SDev	.0417	.1877	.5077	.5423	1.134	.1482
%RSD	87.4	18.99	159.9	287.4	155.1	5.014

Elems	1960/1	1960/2
Units	PPB	PPB
Avge	3.085	2.351
SDev	3.059	4.407
%RSD	99.16	187.4

Method: TOTAL Sample Name: S100 Operator: KLC
Run Time: 04/02/04 13:00 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ca	K	Mg	Na3302	*Y	Ag
Units	PPB	PPB	PPB	PPB		PPB
Avge	99080.	98620.	99200.	99010.	13395	-.0512
SDev	425.6	117.7	417.2	122.4	41.7193	.8845
%RSD	.4296	.1194	.4206	.1237	.31145	1727

Elems	Al	As	B	Ba	Be	Cd
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49340.	.6456	-289.8	.6295	.2405	.3060
SDev	36.47	.7455	6.272	.1368	.0658	.1567
%RSD	.0739	115.5	2.164	21.74	27.35	51.2

Elems	Co	Cr	Cu	Fe	Mn	Mo
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4309	.2578	.7143	49370.	.7418	3.974
SDev	.7214	.5249	.5719	166.9	.1237	1.79
%RSD	167.4	203.6	80.06	.3381	16.68	45.04

Elems	Ni	Pb	Se	Sb	Sn	Tl
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8143	.0362	-2.548	-.1444	1.615	5.115
SDev	1.653	.2057	.0227	1.936	2.408	5.242
%RSD	202.9	568.5	.893	1341	149.1	102.5

Elems	V	Zn	2203/1	2203/2	2068/2	2068/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3947	1.035	-2.696	1.400	-2.731	1.147
SDev	.3785	.1662	.4878	.0648	.0983	2.854
%RSD	95.88	16.06	18.09	4.627	3.6	248.8

Elems	1960/1	1960/2
Units	PPB	PPB
Avge	-4.768	-1.439
SDev	5.273	2.667
%RSD	110.6	185.4

Method: TOTAL Sample Name: ICSA Operator: KLC
Run Time: 04/02/04 13:06 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3625	478700.	4.205	Q-241.0	1.732	.1869
SDev	.6645	1093	.2274	45.66	.2422	.0608
%RSD	183.3	.2284	5.406	18.95	13.98	32.51

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	520300.	1.730	3.522	-.3142	2.494	190900.
SDev	3300	.5897	.8941	.3493	2.092	803.5
%RSD	.6343	34.09	25.39	111.2	83.87	.421

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	272.4	489000.	15.10	.4902	131.8	1.510
SDev	20.66	2841	.1468	1.795	169.9	.6207
%RSD	7.587	.581	.9718	366.2	128.9	41.1

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.049	-4.075	-3.458	-.6148	3.333	-1.185
SDev	.886	2.944	4.183	1.962	4.344	.6566
%RSD	84.44	72.24	121	319.2	130.3	55.39

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	Q20.97	-12.46	4.649	-2.281	-4.045	2.980
SDev	.5632	8.676	5.66	2.316	7.428	4.906
%RSD	2.686	69.61	121.7	101.5	183.6	164.6

Elems	1960/2	*Y
Units	PPB	
Avge	-7.598	12790
SDev	1.965	4.94974
%RSD	25.86	.0387

Method: TOTAL Sample Name: ICSAB Operator: KLC
Run Time: 04/02/04 13:27 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1060.	486800.	1013.	Q701.4	521.0	520.0
SDev	1.123	421.3	5.454	41.56	.2461	.1365
%RSD	.106	.0865	.5383	5.926	.0472	.0263

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	527400.	979.2	498.6	502.3	563.5	194400.
SDev	767.4	.146	.3182	.6608	.2135	7.458
%RSD	.1455	.0149	.0638	.1316	.0379	.0038

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11530.	495900.	522.8	1013.	10610.	987.5
SDev	24.78	286.3	.046	1.536	126.7	.2949
%RSD	.2149	.0577	.0088	.1517	1.194	.0299

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1006.	995.2	1016.	970.7	993.5	504.1
SDev	2.752	1.268	4.473	4.358	12.29	.5902
%RSD	.2737	.1274	.4402	.4489	1.237	.1171

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1078.	1005.	1006.	1031.	1009.	1007.
SDev	.6476	1.937	5.092	4.979	4.22	8.139
%RSD	.0601	.1926	.5064	.4828	.4184	.8081

Elems	1960/2	*Y
Units	PPB	
Avge	989.2	12696
SDev	5.964	34.6482
%RSD	.6029	.2729

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 04/02/04 13:32 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1003.	24570.	504.2	4813.	2040.	2065.
SDev	2.552	115.1	1.023	48.19	8.443	6.462
%RSD	.2546	.4686	.2028	1.001	.4139	.313

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48890.	505.4	2047.	2036.	2025.	25050.
SDev	179.7	.8858	6.519	6.226	9.971	85.75
%RSD	.3676	.1753	.3185	.3058	.4923	.3423

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50930.	49210.	2049.	2033.	48640.	2053.
SDev	231.8	166.2	6.852	17.6	248.8	4.429
%RSD	.4551	.3377	.3344	.8659	.5116	.2158

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	507.4	505.5	505.3	5034.	1006.	2023.
SDev	1.915	4.512	2.439	9.066	6.859	8.53
%RSD	.3775	.8927	.4828	.1801	.6818	.4217

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2088.	501.7	510.3	498.8	508.5	498.9
SDev	7.127	3.823	4.78	1.694	4.503	1.749
%RSD	.3414	.7621	.9368	.3397	.8855	.3506

Elems	1960/2	*Y
Units	PPB	
Avge	508.8	13809
SDev	7.638	23.3345
%RSD	1.501	.16898

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 04/02/04 13:38 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2769	16.39	.3026	Q-349.4	.2088	.1575
SDev	.1496	2.848	1.327	34.27	.0935	.0403
%RSD	54.02	17.37	438.6	9.806	44.78	25.59

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	156.3	.1518	.4950	.4459	-.0899	10.46
SDev	3.191	.0119	.5043	.0362	.3476	5.467
%RSD	2.041	7.846	101.9	8.109	386.8	52.26

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	277.1	89.44	.2038	4.301	131.9	.4243
SDev	7.798	4.566	.0886	1.667	12.75	.4154
%RSD	2.814	5.104	43.48	38.77	9.664	97.91

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2103	.1106	1.099	1.025	1.158	.3617
SDev	.0096	.4956	.6057	1.554	2.399	.0079
%RSD	4.589	447.9	55.11	151.5	207.2	2.186

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.552	.3002	-.4651	.8819	1.207	-4.419
SDev	.1115	2.145	1.085	1.411	1.613	4.004
%RSD	4.368	714.5	233.3	160	133.6	90.59

Elems	1960/2	*Y
Units	PPB	
Avge	2.372	13929.5
SDev	1.256	47.3762
%RSD	52.94	.34011

Method: TOTAL Sample Name: GC358B 4089096 Operator: KLC
Run Time: 04/02/04 13:49 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1898	12.92	.5611	-357.2	.4505	-.0356
SDev	1.182	6.476	.5948	5.339	.1948	.0555
%RSD	622.5	50.14	106	1.495	43.23	156.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	451.4	.2108	.1177	-.2449	.8847	29.57
SDev	2.608	.3754	1.165	1.889	1.04	9.359
%RSD	.5778	178.1	989.8	771.3	117.6	31.65

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	262.7	H103.6	2.149	-.1188	20.26	-.5860
SDev	49.72	5.133	.132	.3267	540.8	1.411
%RSD	18.92	4.954	6.145	275.1	2670	240.8

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H4.280	.7267	2.859	1.008	.9156	.7210
SDev	.338	.1174	.6325	1.513	2.687	.6478
%RSD	7.897	16.15	22.13	150	293.5	89.85

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.228	-1.264	7.048	-1.855	5.212	-2.478
SDev	.2238	.9375	.0386	1.267	1.581	1.34
%RSD	5.293	74.14	.5483	68.3	30.33	54.1

Elems	1960/2	*Y
Units	PPB	
Avge	2.326	14397.5
SDev	.4933	47.3762
%RSD	21.2	.32905

Method: TOTAL Sample Name: GC358C Operator: KLC
Run Time: 04/02/04 13:54 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54.70	2024.	1980.	580.7	1982.	49.45
SDev	.0848	14.09	12.58	6.48	9.265	.4348
%RSD	.1551	.6962	.6353	1.116	.4675	.8793

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49320.	49.73	497.2	201.2	261.1	1100.
SDev	450.4	.5848	3.704	1.259	.912	21.09
%RSD	.9133	1.176	.7451	.6256	.3492	1.916

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52070.	48230.	499.6	964.1	49290.	500.1
SDev	232.5	392.9	4.262	.4528	211.6	3.657
%RSD	.4465	.8146	.853	.047	.4293	.7313

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	501.6	2055.	507.6	1962.	1988.	493.5
SDev	2.961	6.48	3.819	11.3	2.762	3.638
%RSD	.5902	.3152	.7524	.5757	.1389	.7371

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	519.4	507.2	498.9	510.2	506.3	2059.
SDev	3.523	1.189	5.033	4.404	3.528	6.46
%RSD	.6784	.2344	1.009	.8631	.6967	.3137

Elems	1960/2	*Y
Units	PPB	
Avge	2054.	13821.2
SDev	6.489	28.6378
%RSD	.316	.2072

Method: TOTAL Sample Name: GC0N8 Operator: KLC
Run Time: 04/02/04 13:59 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.190	745.7	9.316	2981.	653.2	.0220
SDev	2.378	11.49	.456	86.98	17.1	.0126
%RSD	199.8	1.54	4.895	2.917	2.618	57.26

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	89850.	.1533	10.77	14.22	5.864	11850.
SDev	919.6	.2907	1.608	2.427	.3728	173.9
%RSD	1.023	189.6	14.94	17.07	6.357	1.468

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	194300.	81200.	1023.	8.188	444400.	83.37
SDev	5041	1053	16.5	.5753	9404	.0483
%RSD	2.594	1.296	1.612	7.026	2.116	.0579

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.408	1.026	5.789	-.1292	10.41	7.519
SDev	.6598	.6792	3.816	1.521	4.757	.3501
%RSD	46.87	66.18	65.92	1177	45.69	4.657

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	84.61	-6.514	5.362	-1.295	9.325	-2.707
SDev	1.365	7.123	4.545	3.91	7.673	5.847
%RSD	1.614	109.3	84.76	301.8	82.28	216

Elems	1960/2	*Y
Units	PPB	
Avge	2.890	13772
SDev	1.901	255.266
%RSD	65.76	1.85351

Method: TOTAL Sample Name: GC0PA Operator: KLC
Run Time: 04/02/04 14:03 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4524	105.8	4.473	3505.	197.2	.0982
SDev	.4425	2.677	.3457	20.14	1.86	.0112
%RSD	97.81	2.53	7.728	.5748	.9434	11.43

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	193100.	1.837	10.06	57.72	3.688	172500.
SDev	1210	.0418	.4623	.025	.1256	1344
%RSD	.6269	2.276	4.595	.0434	3.405	.7791

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	194800.	52960.	3014.	3.182	435000.	37.13
SDev	2330	358.6	23.11	.621	4808	.0303
%RSD	1.196	.6771	.7668	19.51	1.105	.0816

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.075	2.143	-1.207	-5.532	7.002	7.696
SDev	.7841	1.835	.33	.7345	.9703	.2849
%RSD	37.79	85.62	27.35	13.28	13.86	3.702

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	26.89	4.010	1.109	-.4204	-1.600	3.083
SDev	.1502	3.051	2.699	5.125	3.053	.8182
%RSD	.5587	76.09	243.4	1219	190.9	26.54

Elems	1960/2	*Y
Units	PPB	
Avge	1.674	13370.5
SDev	3.16	94.7523
%RSD	188.7	.70866

Method: TOTAL Sample Name: GCXDT/5 Operator: KLC
Run Time: 04/02/04 14:09 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2038	9.472	-.0495	7.173	7.127	-.0282
SDev	.0472	5.256	.395	25.51	.3396	.0417
%RSD	23.16	55.49	797.3	355.6	4.765	148.1

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	56860.	-.0207	.6297	.6756	.0953	65.12
SDev	2058	.021	.1942	.3146	.8408	5.614
%RSD	3.619	101.7	30.84	46.56	882.5	8.621

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3888.	27220.	218.5	1.279	211800.	6.295
SDev	71.1	952	7.351	.4452	5204	.3332
%RSD	1.828	3.498	3.364	34.81	2.456	5.294

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3107	-.3593	1.677	-1.316	-.5447	1.937
SDev	1.064	.2328	3.127	.6423	1.227	.6273
%RSD	342.6	64.78	186.4	48.82	225.3	32.38

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.447	-.6404	-.1461	.4600	2.285	-1.539
SDev	.3034	4.318	3.752	2.416	5.894	5.605
%RSD	6.821	674.3	2568	525.3	258	364.1

Elems	1960/2	*Y
Units	PPB	
Avge	.2297	14153
SDev	3.147	343.654
%RSD	1370	2.42813

Method: TOTAL Sample Name: GCXDX/5 Operator: KLC
Run Time: 04/02/04 14:13 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0671	128.0	.5485	-122.5	8.283	-.0513
SDev	1.179	1.015	.9867	39.83	.116	.017
%RSD	1755	.7925	179.9	32.53	1.401	33.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21190.	.1291	.7661	4.367	.1942	475.7
SDev	104.3	.0112	.8632	.1107	.3681	12.1
%RSD	.4925	8.711	112.7	2.535	189.6	2.543

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2677.	11510.	27.92	2.166	143900.	6.656
SDev	7.865	47.56	.0646	1.224	468	1.215
%RSD	.2938	.4133	.2316	56.53	.3251	18.25

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2514	1.853	-2.109	-3.129	-.4114	.6950
SDev	.1848	.7967	3.621	1.821	4.572	.7814
%RSD	73.52	43	171.7	58.19	1111	112.4

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.09	6.205	-3.475	2.694	-4.507	6.693
SDev	.0484	8.807	4.674	4.029	7.441	8.597
%RSD	.4796	141.9	134.5	149.6	165.1	128.4

Elems	1960/2	*Y
Units	PPB	
Avge	-.5641	14277.8
SDev	3.097	17.3241
%RSD	549.1	.12133

Method: TOTAL Sample Name: GCXD0/5 Operator: KLC
Run Time: 04/02/04 14:18 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9025	807.3	1.575	-57.68	10.37	.0351
SDev	.402	6.728	.6986	15.2	.2924	.0849
%RSD	44.55	.8334	44.35	26.35	2.821	241.8

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	36910.	.5612	2.025	4.886	3.308	1849.
SDev	185.3	.1993	.2434	.2538	1.831	17.56
%RSD	.5021	35.51	12.02	5.195	55.35	.9497

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3809.	17980.	94.10	2.739	138300.	15.55
SDev	74.77	86.66	.5367	.0272	2125	.9369
%RSD	1.963	.482	.5703	.9947	1.537	6.026

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.233	2.048	3.621	.1127	6.696	3.422
SDev	.5613	2.307	6.83	1.785	2.616	1.607
%RSD	45.52	112.6	188.6	1584	39.07	46.97

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.80	-3.535	3.614	-.3906	5.624	-3.462
SDev	.3971	12.61	7.135	4.584	12.53	12.38
%RSD	3.366	356.6	197.5	1174	222.8	357.6

Elems	1960/2	*Y
Units	PPB	
Avge	4.799	14909
SDev	9.639	99.702
%RSD	200.9	.66873

Method: TOTAL Sample Name: ICSA Operator: KLC
Run Time: 04/02/04 14:24 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7342	482500.	2.549	Q-417.9	1.488	.0308
SDev	1.62	16960	.9981	7.171	.0921	.0329
%RSD	220.7	3.515	39.15	1.716	6.185	106.8

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	510300.	1.762	4.647	1.455	.9444	188400.
SDev	16850	.4481	1.768	3.432	.6137	7127
%RSD	3.302	25.43	38.06	235.8	64.99	3.782

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	297.5	476600.	15.01	-.1242	417.7	2.656
SDev	81.35	16920	.3741	2.578	540.4	2.779
%RSD	27.34	3.55	2.492	2076	129.4	104.7

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2760	-5.442	-4.693	1.310	5.879	-1.221
SDev	2.53	.0364	8.899	1.087	11.38	.277
%RSD	916.4	.6694	189.6	82.96	193.6	22.68

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	Q20.43	-19.95	10.37	.8710	-7.471	-3.101
SDev	.5882	17.41	12.48	2.448	14.56	12.83
%RSD	2.88	87.25	120.3	281.1	194.9	413.8

Elems	1960/2	*Y
Units	PPB	
Avge	-6.611	13384.2
SDev	6.462	446.538
%RSD	97.74	3.33629

Method: TOTAL Sample Name: ICSAB Operator: KLC
Run Time: 04/02/04 14:29 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1054.	482000.	1013.	Q591.2	522.9	514.0
SDev	3.392	2292	4.397	5.983	4.332	.1817
%RSD	.3219	.4756	.434	1.012	.8284	.0353

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	525200.	967.4	492.6	496.2	567.3	192100.
SDev	2444	2.322	1.809	2.82	8.739	48.88
%RSD	.4654	.2401	.3672	.5683	1.54	.0254

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11830.	486200.	517.7	1006.	10660.	972.3
SDev	62.88	715.5	.9815	.8779	181.2	2.309
%RSD	.5314	.1472	.1896	.0873	1.699	.2375

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	991.4	992.3	1030.	967.3	1011.	503.9
SDev	4.174	3.995	20.43	12.55	11.08	4.801
%RSD	.421	.4026	1.984	1.297	1.096	.9527

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1062.	912.8	1031.	998.7	1046.	957.3
SDev	1.846	115.4	63.89	43.1	52.15	76.65
%RSD	.1738	12.65	6.199	4.316	4.987	8.006

Elems	1960/2	*Y
Units	PPB	
Avge	1010.	13497.2
SDev	32.28	10.253
%RSD	3.197	.07596

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 04/02/04 14:34 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	981.0	24120.	483.6	4511.	2024.	1958.
SDev	.7046	15.3	4.426	25.78	9.668	26.4
%RSD	.0718	.0634	.9152	.5715	.4777	1.348

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	45870.	475.8	1946.	1935.	2013.	23790.
SDev	855.7	8.523	23.22	26.27	9.846	302.2
%RSD	1.865	1.791	1.193	1.357	.4891	1.27

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51750.	46080.	1957.	1945.	48350.	1929.
SDev	289.1	719.9	21.24	7.787	12.37	28.19
%RSD	.5586	1.562	1.085	.4004	.0256	1.461

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	475.7	486.3	479.3	4728.	977.3	1947.
SDev	15.13	8.158	10.33	73.35	15.79	17.59
%RSD	3.181	1.677	2.155	1.551	1.615	.9031

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1982.	496.3	465.4	493.8	472.0	505.8
SDev	18.16	11.38	28.37	12.65	21.8	12.75
%RSD	.9161	2.294	6.096	2.561	4.619	2.522

Elems	1960/2	*Y
Units	PPB	
Avge	476.6	14732
SDev	18.6	115.258
%RSD	3.902	.78236

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 04/02/04 14:40 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9519	24.49	-.4446	Q-457.1	.6119	.2380
SDev	.1096	10.82	1.521	13.37	.5832	.1603
%RSD	11.52	44.17	342	2.924	95.32	67.33

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	157.1	.4440	.8579	.7343	1.822	6.859
SDev	3.071	.2673	.0005	1.024	2.674	.9585
%RSD	1.954	60.2	.0595	139.5	146.8	13.97

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	279.7	89.24	.1403	Q5.502	173.3	.8618
SDev	40.02	2.579	.039	1.302	314.7	1.098
%RSD	14.3	2.89	27.77	23.67	181.6	127.5

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0233	3.067	-.8569	.1597	7.347	.0525
SDev	.3644	.476	1.018	.1313	4.911	.1285
%RSD	1561	15.52	118.8	82.22	66.84	244.7

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.641	4.285	-2.175	2.000	-2.283	6.141
SDev	.6789	1.871	1.481	1.956	2.503	1.753
%RSD	25.7	43.67	68.09	97.83	109.6	28.55

Elems	1960/2	*Y
Units	PPB	
Avge	1.532	14941.2
SDev	1.589	51.2652
%RSD	103.7	.34311

Method: TOTAL Sample Name: GC8H4B 4091110 Operator: KLC
Run Time: 04/02/04 14:45 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6283	14.73	-.5933	-441.1	.2509	-.0179
SDev	.0171	.0426	1.081	1.065	.0759	.0138
%RSD	2.717	.2889	182.2	.2413	30.24	77.01

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	237.3	.0897	.6085	.9001	.1591	23.71
SDev	1.354	.1258	.3505	.2507	.669	.1342
%RSD	.5706	140.3	57.61	27.86	420.5	.566

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	297.2	91.59	1.048	1.938	222.1	-.0333
SDev	9.732	.4389	.01	.9614	161.9	.1875
%RSD	3.274	.4793	.9576	49.61	72.89	562.2

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3958	.5650	-.2994	29.00	1.188	.2228
SDev	.2657	1.184	.0059	1.105	3.129	.1395
%RSD	67.14	209.6	1.957	3.812	263.4	62.59

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.198	.7552	.2164	-1.153	.1269	1.394
SDev	.1556	1.527	1.161	.1876	.0849	1.037
%RSD	4.867	202.2	536.5	16.27	66.89	74.43

Elems	1960/2	*Y
Units	PPB	
Avge	.1512	14829.2
SDev	2.293	258.448
%RSD	1517	1.74282

Method: TOTAL Sample Name: GC8H4C Operator: KLC
Run Time: 04/02/04 14:50 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	47.67	1740.	1687.	316.4	1734.	42.16
SDev	.6234	15.9	15.78	7.845	10.15	.4332
%RSD	1.308	.9141	.9354	2.48	.5853	1.028

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	42140.	42.73	427.0	173.2	227.9	879.4
SDev	446	.5986	4.064	1.995	.992	17.01
%RSD	1.058	1.401	.9519	1.152	.4352	1.934

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	46560.	41240.	429.6	830.3	43660.	428.1
SDev	201.6	426.2	3.744	12.16	390.5	3.965
%RSD	.433	1.033	.8713	1.464	.8945	.9262

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	426.5	1728.	432.9	1700.	1704.	420.9
SDev	4.011	15.56	4.065	19.68	13.87	3.411
%RSD	.9405	.9008	.9392	1.157	.8141	.8104

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	439.9	435.6	421.9	438.6	430.0	1733.
SDev	3.833	3.213	4.41	4.961	3.618	13.46
%RSD	.8712	.7375	1.045	1.131	.8414	.7765

Elems	1960/2	*Y
Units	PPB	
Avge	1725.	14850.8
SDev	16.62	83.7922
%RSD	.9631	.56422

Method: TOTAL Sample Name: GC3DD/5 Operator: KLC
Run Time: 04/02/04 14:55 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.091	42940.	12.76	-381.4	398.8	3.422
SDev	.4882	938.6	1.492	9.504	8.128	.1807
%RSD	44.76	2.186	11.69	2.492	2.038	5.28

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	230900.	1.741	8.418	221.4	37.97	68550.
SDev	3957	.0847	.0925	3.171	2.635	1247
%RSD	1.714	4.863	1.099	1.432	6.94	1.819

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2972.	36510.	13530.	4.205	1173.	10.49
SDev	45.01	616.2	231.7	.895	100.6	1.237
%RSD	1.515	1.688	1.711	21.28	8.582	11.8

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	77.77	2.159	.8488	5.431	16.48	75.87
SDev	2.209	1.678	1.919	.463	12.33	1.476
%RSD	2.841	77.73	226.1	8.525	74.83	1.945

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	220.7	80.41	76.45	4.551	-.9993	6.080
SDev	4.204	1.039	3.831	2.636	4.194	4.751
%RSD	1.905	1.292	5.011	57.94	419.7	78.13

Elems	1960/2	*Y
Units	PPB	
Avge	.2020	14491
SDev	.1446	55.8614
%RSD	71.58	.38549

Method: TOTAL Sample Name: GC3DE Operator: KLC
Run Time: 04/02/04 15:00 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1613	9258.	42.54	-451.3	119.4	.0400
SDev	.3968	20.36	.7659	16.52	.2188	.0262
%RSD	246	.2199	1.8	3.66	.1833	65.56

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	58950.	3.373	18.71	127.0	45.99	191400.
SDev	223.8	.0422	.7184	.4303	.1881	672.8
%RSD	.3797	1.25	3.839	.3388	.409	.3516

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1307.	24050.	5582.	2.867	199.6	26.56
SDev	4.208	80.49	17.76	.1082	81.87	.2572
%RSD	.322	.3346	.3181	3.773	41.01	.9687

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	202.0	1.045	-.0739	33.61	7.857	67.68
SDev	.5412	1.122	1.796	1.391	.1537	.9343
%RSD	.2679	107.4	2429	4.138	1.957	1.381

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	483.1	203.8	201.1	1.674	-.9464	-.9378
SDev	1.221	.2751	.674	.4764	2.454	1.992
%RSD	.2527	.135	.3351	28.47	259.3	212.4

Elems	1960/2	*Y
Units	PPB	
Avge	2.034	14854
SDev	.687	5.65685
%RSD	33.77	.03808

Method: TOTAL Sample Name: GC3DF Operator: KLC
Run Time: 04/02/04 15:04 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7216	11620.	27.72	-407.2	160.7	-.5757
SDev	1.481	57.34	.0738	.9019	.731	.0551
%RSD	205.3	.4933	.2663	.2215	.4547	9.563

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	80490.	1.388	16.51	136.3	35.77	97330.
SDev	77	.0129	.5769	.5371	1.114	65.76
%RSD	.0957	.9278	3.494	.3941	3.115	.0676

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1513.	25940.	11540.	4.454	582.4	23.75
SDev	14.45	6.108	11.46	1.971	116.8	.2232
%RSD	.955	.0235	.0992	44.26	20.05	.9398

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	80.92	-1.231	-2.610	41.96	6.531	112.0
SDev	.1937	1.184	.8276	.0247	5.774	.1514
%RSD	.2394	96.16	31.71	.0589	88.41	.1352

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	234.8	92.15	75.32	5.395	-6.606	5.899
SDev	.0343	6.097	3.334	4.485	3.48	.7869
%RSD	.0146	6.616	4.427	83.13	52.67	13.34

Elems	1960/2	*Y
Units	PPB	
Avge	-4.791	13559.8
SDev	2.168	106.42
%RSD	45.24	.78481

Method: TOTAL Sample Name: GC3DG/2 Operator: KLC
Run Time: 04/02/04 15:09 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.913	60040.	43.47	-368.5	566.7	5.084
SDev	.9113	99.24	.7679	23.16	1.384	.1822
%RSD	47.65	.1653	1.766	6.284	.2443	3.583

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	466000.	5.338	24.48	587.8	184.5	370500.
SDev	10580	.8616	.9732	9.534	1.324	5072
%RSD	2.271	16.14	3.976	1.622	.7175	1.369

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4459.	125400.	20140.	24.94	1550.	70.96
SDev	31.86	2049	220.1	.0071	436.6	2.985
%RSD	.7145	1.634	1.093	.0284	28.17	4.207

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	248.1	-6.336	-.2203	14.86	9.764	289.0
SDev	7.047	1.17	5.995	2.481	5.992	3.261
%RSD	2.841	18.47	2721	16.7	61.37	1.128

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	698.1	252.8	245.7	5.132	-2.893	-1.618
SDev	7.532	9.492	15.3	7.025	12.5	11.63
%RSD	1.079	3.755	6.229	136.9	432	718.5

Elems	1960/2	*Y
Units	PPB	
Avge	-8.691	14415.2
SDev	4.05	34.2947
%RSD	46.6	.2379

Method: TOTAL Sample Name: GC3DH Operator: KLC
Run Time: 04/02/04 15:14 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7556	49120.	22.23	-394.2	616.4	3.888
SDev	.3981	394.1	1.669	7.214	5.313	.0598
%RSD	52.68	.8023	7.509	1.83	.8619	1.538

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	280600.	2.320	14.65	44.34	25.52	80620.
SDev	2325	.0131	.0439	.1072	.4457	710.8
%RSD	.8283	.5657	.3	.2419	1.747	.8816

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2164.	22500.	7629.	1.424	743.9	15.54
SDev	.7301	199.8	67.52	.5683	73.67	.3218
%RSD	.0337	.888	.885	39.9	9.904	2.07

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	98.89	2.491	2.392	29.42	11.54	36.82
SDev	.8317	1.244	.2526	.6979	1.987	.2843
%RSD	.841	49.94	10.56	2.372	17.21	.7723

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	278.0	96.67	100.00	.7560	3.209	3.829
SDev	2.862	2.079	2.285	1.574	.4073	8.821
%RSD	1.029	2.151	2.285	208.2	12.69	230.4

Elems	1960/2	*Y
Units	PPB	
Avge	1.823	14675.5
SDev	2.539	145.664
%RSD	139.3	.99256

Method: TOTAL Sample Name: GC3DJ Operator: KLC
Run Time: 04/02/04 15:19 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3086	5786.	12.62	-462.0	33.75	-.2559
SDev	1.012	25.66	.5076	21.81	.1006	.0145
%RSD	328.1	.4435	4.021	4.721	.2983	5.674

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24910.	.0983	11.97	19.95	5.285	21880.
SDev	219.8	.3476	.3605	1.013	.4264	104.3
%RSD	.8826	353.5	3.011	5.079	8.069	.4766

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1049.	12910.	504.7	1.983	371.4	15.99
SDev	10.37	89.11	1.328	.0191	191.6	.6962
%RSD	.988	.6902	.2631	.9639	51.59	4.354

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.88	-.7337	-.5562	29.14	3.433	19.05
SDev	.7751	2.613	2.894	.5035	3.263	.2993
%RSD	5.21	356.1	520.4	1.728	95.02	1.571

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	60.76	17.58	13.52	2.366	-2.015	1.045
SDev	.2309	4.395	3.356	1.755	5.215	9.443
%RSD	.3799	25	24.82	74.17	258.8	903.9

Elems	1960/2	*Y
Units	PPB	
Avge	-1.622	14394
SDev	.7969	88.3884
%RSD	49.14	.61406

Method: TOTAL Sample Name: GC7AC Operator: KLC
Run Time: 04/02/04 15:24 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8405	138600.	45.05	-177.8	1901.	19.79
SDev	.67	1505	2.276	26.6	21	.2184
%RSD	79.71	1.086	5.051	14.96	1.105	1.103

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H745200.	6.070	34.16	452.6	173.2	201700.
SDev	7197	.0623	1.059	6.724	1.361	2577
%RSD	.9659	1.026	3.101	1.486	.7862	1.278

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10660.	73650.	23540.	45.86	4568.	146.3
SDev	63.84	890.5	293.2	1.237	107.9	1.914
%RSD	.5988	1.209	1.246	2.698	2.362	1.308

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	336.7	12.16	3.063	31.60	12.04	216.3
SDev	2.715	.517	.6232	.6698	3.793	2.367
%RSD	.8063	4.25	20.34	2.12	31.52	1.094

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1725.	325.1	342.5	.2038	4.491	9.123
SDev	20.68	10.12	.984	1.296	1.581	5.188
%RSD	1.199	3.114	.2873	635.8	35.21	56.86

Elems	1960/2	*Y
Units	PPB	
Avge	13.68	14802.8
SDev	3.365	153.796
%RSD	24.59	1.03896

Method: TOTAL Sample Name: GC7AK Operator: KLC
Run Time: 04/02/04 15:28 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.119	9676.	24.78	-453.6	120.4	-.0449
SDev	.9779	33.55	.6956	11.18	.7314	.0342
%RSD	87.36	.3467	2.807	2.464	.6073	76.23

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4254.	1.170	14.89	20.46	26.17	34060.
SDev	54.34	.1243	.6338	1.734	.6334	250.3
%RSD	1.277	10.62	4.255	8.477	2.42	.7348

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	975.3	1911.	818.5	3.208	633.4	17.58
SDev	71.66	25.88	5.137	.0077	516.8	1.345
%RSD	7.347	1.354	.6276	.2413	81.59	7.654

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	59.01	1.679	-3.381	30.77	.0057	24.75
SDev	1.145	2.114	3.736	1.821	4.385	.4215
%RSD	1.94	125.9	110.5	5.919	77180	1.703

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	133.4	66.98	55.03	4.085	-7.108	10.37
SDev	.8557	7.983	5.702	2.622	6.91	10.84
%RSD	.6414	11.92	10.36	64.17	97.21	104.6

Elems	1960/2	*Y
Units	PPB	
Avge	-2.658	14460.2
SDev	2.242	25.8094
%RSD	84.36	.17848

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 04/02/04 15:33 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1011.	24770.	502.9	4653.	2077.	2045.
SDev	13.44	313.6	2.863	45.93	34.49	7.829
%RSD	1.33	1.266	.5694	.9871	1.66	.3829

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	47840.	497.6	2020.	2010.	2059.	24650.
SDev	64.4	.6164	9.456	11.06	28.39	132.3
%RSD	.1346	.1239	.4681	.5503	1.378	.5365

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52330.	48170.	2019.	2023.	49770.	2032.
SDev	810.3	118.9	13.75	23.95	915.2	6.228
%RSD	1.549	.2468	.6809	1.184	1.839	.3065

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	499.8	503.8	500.0	4925.	1001.	2009.
SDev	1.194	3.762	6.606	11.76	13.02	16.66
%RSD	.2388	.7466	1.321	.2388	1.301	.8293

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2071.	506.1	496.7	505.9	497.1	505.4
SDev	13.13	.448	2.014	6.402	6.708	1.878
%RSD	.6339	.0885	.4054	1.265	1.349	.3716

Elems	1960/2	*Y
Units	PPB	
Avge	503.1	14044.5
SDev	6.577	258.094
%RSD	1.307	1.83768

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 04/02/04 15:39 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7149	12.73	-.4390	Q-441.9	.2801	.1761
SDev	.6306	2.156	1.194	2.928	.0567	.0736
%RSD	88.21	16.94	271.9	.6626	20.24	41.82

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	151.3	.1686	.8539	.4803	-.0960	6.220
SDev	3.249	.0687	.1238	.1587	.5743	2.144
%RSD	2.148	40.76	14.5	33.03	598	34.47

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	272.3	82.13	.3360	4.091	192.2	.1422
SDev	2.212	2.496	.1459	2.375	49.61	.0896
%RSD	.8122	3.039	43.42	58.06	25.82	63.04

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4415	.7322	-1.271	.6969	4.038	-.0241
SDev	.4279	1.754	1.495	1.093	3.248	.274
%RSD	96.9	239.5	117.6	156.8	80.43	1139

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.525	4.243	-1.456	1.047	-2.429	4.165
SDev	.1403	2.935	2.107	1.109	2.795	2.612
%RSD	5.556	69.19	144.7	105.8	115.1	62.71

Elems	1960/2	*Y
Units	PPB	
Avge	-.9816	14177.5
SDev	1.325	79.196
%RSD	135	.5586

Method: TOTAL Sample Name: GC7AL Operator: KLC
Run Time: 04/02/04 15:44 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5695	4134.	12.98	-479.7	32.80	-.3237
SDev	.2281	12.18	1.035	4.714	.1915	.0063
%RSD	40.06	.2946	7.97	.9828	.5837	1.947

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	30040.	.3148	9.908	28.44	5.402	16990.
SDev	159	.0866	.1966	.232	.3896	111
%RSD	.5291	27.52	1.984	.8159	7.214	.6533

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	819.1	13090.	456.5	4.762	273.0	13.37
SDev	7.554	78.3	2.315	.0217	53.13	.2368
%RSD	.9222	.598	.5071	.4547	19.46	1.771

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12.99	.3375	.2282	31.85	5.472	16.06
SDev	.1524	1.99	2.148	.3957	2.443	.4035
%RSD	1.174	589.5	941.1	1.242	44.65	2.513

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61.18	14.88	12.05	1.208	-.2611	2.125
SDev	.3233	.7921	.624	.5222	2.96	.9095
%RSD	.5284	5.325	5.18	43.22	1133	42.81

Elems	1960/2	*Y
Units	PPB	
Avge	-.5548	14164.2
SDev	3.437	82.3779
%RSD	619.5	.58159

Method: TOTAL Sample Name: GC7X1 Operator: KLC
Run Time: 04/02/04 15:49 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.9805	146400.	23.52	-461.4	1238.	-4.999
SDev	.0827	3542	2.07	4.063	30.79	.001
%RSD	8.44	2.419	8.802	.8805	2.488	.0193

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5221.	1.841	203.0	158.1	240.4	218500.
SDev	102.6	.0544	4.196	2.235	6.343	4823
%RSD	1.965	2.954	2.067	1.414	2.639	2.207

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	25630.	24060.	3825.	7.712	-1175.	114.2
SDev	561.6	510	84.2	.1989	356.7	2.224
%RSD	2.191	2.12	2.201	2.58	30.35	1.948

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	75.84	-2.061	6.500	3.157	11.66	333.5
SDev	1.913	2.237	.6794	2.196	3.872	7.867
%RSD	2.522	108.5	10.45	69.56	33.2	2.359

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	392.3	73.24	77.14	2.222	8.636	-2.227
SDev	8.345	1.936	3.834	2.15	2.092	1.684
%RSD	2.127	2.643	4.971	96.75	24.23	75.6

Elems	1960/2	*Y
Units	PPB	
Avge	-1.978	16408.8
SDev	4.194	279.661
%RSD	212	1.70433

Method: TOTAL Sample Name: GC7X1L Operator: KLC
Run Time: 04/02/04 15:54 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7634	33540.	5.222	-489.3	280.8	-1.189
SDev	.5211	399.9	.1412	8.736	3.002	.0113
%RSD	68.26	1.192	2.704	1.785	1.069	.948

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1261.	.2760	46.05	35.83	53.62	49660.
SDev	14.28	.0458	1.196	.4687	.2713	544.1
%RSD	1.133	16.58	2.597	1.308	.506	1.096

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5717.	5487.	878.9	1.757	-201.8	24.95
SDev	57.28	57.16	9.291	.7254	39.11	.7394
%RSD	1.002	1.042	1.057	41.3	19.38	2.963

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	17.42	1.033	3.627	.0476	2.647	75.75
SDev	.3955	.3356	1.677	.2261	.3597	.4838
%RSD	2.271	32.48	46.24	475.1	13.59	.6387

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	90.95	14.66	18.79	.8062	5.035	-.1757
SDev	1.102	2.916	2.049	1.089	3.059	5.012
%RSD	1.212	19.9	10.9	135.1	60.74	2852

Elems	1960/2	*Y
Units	PPB	
Avge	1.637	14565
SDev	3.005	93.3381
%RSD	183.6	.64083

Method: TOTAL Sample Name: GC7X7 Operator: KLC
Run Time: 04/02/04 15:59 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.9746	88580.	32.11	-469.5	359.8	1.529
SDev	.1294	209.5	.6615	9.335	.6508	.0007
%RSD	13.28	.2365	2.06	1.988	.1809	.0454

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5672.	.9842	68.51	80.38	191.9	133200.
SDev	4.748	.0206	.1373	.1542	.2206	205.4
%RSD	.0837	2.09	.2004	.1919	.115	.1543

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3881.	10360.	2134.	3.863	422.8	67.03
SDev	7.298	15.19	3.258	.3404	39.71	.9752
%RSD	.188	.1466	.1527	8.811	9.393	1.455

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	230.9	.2588	.6151	23.81	7.131	166.5
SDev	1.149	1.31	.9331	2.558	2.48	.2612
%RSD	.4976	506	151.7	10.74	34.78	.1569

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	304.8	225.8	233.4	-.3802	1.112	-2.435
SDev	.4658	1.546	.9508	2.706	.048	.4332
%RSD	.1528	.6845	.4073	711.7	4.319	17.79

Elems	1960/2	*Y
Units	PPB	
Avge	1.604	15813.8
SDev	1.747	32.1733
%RSD	108.9	.20345

Method: TOTAL Sample Name: GC7X8 Operator: KLC
Run Time: 04/02/04 16:06 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3309	94500.	34.97	-473.9	574.8	1.067
SDev	.5373	90.7	.4168	12.34	.063	.0129
%RSD	162.4	.096	1.192	2.604	.011	1.211

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8073.	.7594	256.2	88.42	158.5	130700.
SDev	12.7	.034	.1887	.0217	.1876	144.2
%RSD	.1573	4.474	.0736	.0245	.1183	.1103

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4172.	10640.	7015.	8.302	387.9	153.3
SDev	5.005	15.49	7.356	.4953	21.55	.2199
%RSD	.12	.1456	.1049	5.966	5.557	.1435

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	179.4	-.2977	1.490	25.78	11.88	174.1
SDev	.582	1.319	.9062	.5328	.5365	.3699
%RSD	.3244	443.1	60.83	2.066	4.516	.2125

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	290.1	173.7	182.2	1.759	1.356	1.664
SDev	.1522	.2585	.7434	2.127	2.42	1.928
%RSD	.0525	.1489	.408	120.9	178.5	115.9

Elems	1960/2	*Y
Units	PPB	
Avge	-1.277	16150.5
SDev	1.015	8.48528
%RSD	79.49	.05253

Method: TOTAL Sample Name: GC7X9 Operator: KLC
Run Time: 04/02/04 16:11 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.206	93610.	30.51	-507.0	481.0	1.476
SDev	.6098	1310	1.408	4.13	7.332	.0415
%RSD	50.55	1.399	4.615	.8146	1.524	2.812

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8863.	2.141	69.62	86.42	144.5	160200.
SDev	128.6	.0359	1.112	1.377	2.503	2363
%RSD	1.451	1.675	1.597	1.593	1.731	1.475

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5652.	13310.	2762.	4.345	1339.	74.54
SDev	50	190	41.59	.8265	26.99	1.959
%RSD	.8846	1.428	1.506	19.02	2.016	2.629

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	230.4	2.063	2.164	22.64	9.876	189.8
SDev	3.307	1.392	.8961	.4128	1.97	2.865
%RSD	1.435	67.45	41.41	1.824	19.95	1.51

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	401.5	221.2	235.0	-2.218	4.352	.4270
SDev	5.995	3.049	3.436	1.927	.3816	2.957
%RSD	1.493	1.378	1.462	86.87	8.769	692.6

Elems	1960/2	*Y
Units	PPB	
Avge	2.880	16793
SDev	.61	220.617
%RSD	21.18	1.31374

Method: TOTAL Sample Name: GC70A Operator: KLC
Run Time: 04/02/04 16:16 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.9042	100200.	44.55	-482.9	457.9	5.207
SDev	.3253	226.5	2.362	9.51	.9082	.0449
%RSD	35.97	.226	5.302	1.969	.1983	.8614

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6156.	1.097	76.39	101.7	217.8	167500.
SDev	22.88	.0604	.3654	.9242	.1728	522.5
%RSD	.3717	5.506	.4784	.9092	.0794	.3119

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3798.	11170.	2892.	3.650	233.4	84.02
SDev	17.78	44.39	7.742	.2664	132.9	1.256
%RSD	.4681	.3972	.2677	7.297	56.93	1.495

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	226.1	2.127	2.086	22.42	8.413	204.7
SDev	1.452	1.957	.2409	.0978	6.485	.8499
%RSD	.6419	92.03	11.55	.4362	77.08	.4153

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	344.4	217.3	230.5	.4214	2.917	4.468
SDev	.9524	.8674	2.609	.1543	.2841	3.675
%RSD	.2765	.3992	1.132	36.62	9.743	82.25

Elems	1960/2	*Y
Units	PPB	
Avge	.9576	16052.8
SDev	1.099	66.1145
%RSD	114.8	.41185

Method: TOTAL Sample Name: GC70C Operator: KLC
Run Time: 04/02/04 16:21 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1811	76900.	60.93	-511.9	877.8	1.634
SDev	.129	56.45	.4136	3.231	1.431	.0137
%RSD	71.25	.0734	.6788	.6313	.163	.8377

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48260.	3.337	71.91	96.02	190.4	240500.
SDev	31.75	.0292	.3598	.1645	.4916	172.6
%RSD	.0658	.8749	.5003	.1713	.2582	.0718

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6020.	21180.	15600.	3.274	414.5	97.10
SDev	11.89	10.29	12.24	.1311	105.6	.6534
%RSD	.1974	.0486	.0785	4.004	25.49	.6729

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	308.4	-2.440	2.521	21.82	14.59	209.3
SDev	1.08	2.111	.1391	2.783	.8284	.7526
%RSD	.35	86.54	5.515	12.75	5.679	.3597

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1119.	301.0	312.2	-1.239	4.399	-2.992
SDev	1.297	.8998	2.068	.417	.4167	.7617
%RSD	.1159	.299	.6624	33.65	9.472	25.46

Elems	1960/2	*Y
Units	PPB	
Avge	-2.164	16914.5
SDev	2.785	36.0624
%RSD	128.7	.2132

Method: TOTAL Sample Name: GC70E Operator: KLC
Run Time: 04/02/04 16:26 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1582	109000.	34.71	-497.0	434.1	1.480
SDev	.1407	476.1	.925	1.169	1.318	.0002
%RSD	88.92	.4367	2.665	.2353	.3036	.0112

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3637.	1.046	50.98	100.1	83.47	146100.
SDev	25.11	.2874	.3297	.5053	.4093	887.8
%RSD	.6904	27.48	.6468	.5046	.4903	.6076

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2602.	8918.	2815.	3.591	-11.01	71.54
SDev	6.03	61.18	13.11	.1251	110	.5012
%RSD	.2317	.686	.4659	3.484	999.5	.7006

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	130.6	2.856	1.160	24.63	5.469	198.8
SDev	.5045	1.987	.99	.6475	3.03	1.019
%RSD	.3864	69.56	85.31	2.629	55.41	.5122

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	260.5	124.3	133.7	.1191	1.680	.3310
SDev	1.39	4.238	1.359	1.163	2.065	.3417
%RSD	.5334	3.41	1.017	976.8	122.9	103.2

Elems	1960/2	*Y
Units	PPB	
Avge	4.116	16847.5
SDev	3.149	111.016
%RSD	76.5	.65894

Method: TOTAL Sample Name: GC70ES Operator: KLC
Run Time: 04/02/04 16:31 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40.86	145500.	1551.	155.4	2085.	39.13
SDev	.2419	334.4	14.85	11.75	1.008	.2337
%RSD	.5921	.2299	.9574	7.562	.0483	.5971

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	43260.	39.31	442.6	276.9	304.9	167300.
SDev	280.8	.3942	2.458	1.34	.5242	828.4
%RSD	.6492	1.003	.5552	.4838	.1719	.4952

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	44740.	49370.	3730.	717.7	39240.	469.0
SDev	69.35	283.3	15.89	5.92	297.1	2.663
%RSD	.155	.5738	.4261	.8248	.7573	.5678

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	801.5	1520.	169.3	1394.	1481.	603.2
SDev	3.989	3.295	1.249	6.663	11.84	1.544
%RSD	.4977	.2168	.7374	.4779	.7993	.2559

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	732.3	791.2	806.6	165.5	171.2	1513.
SDev	2.693	7.809	2.081	3.026	.3613	7.202
%RSD	.3678	.987	.258	1.829	.211	.476

Elems	1960/2	*Y
Units	PPB	
Avge	1524.	16694.8
SDev	1.345	25.1023
%RSD	.0883	.15036

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 04/02/04 16:35 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1014.	24770.	511.7	4685.	2072.	2082.
SDev	.4447	7.651	1.413	15.49	1.108	2.251
%RSD	.0438	.0309	.2761	.3307	.0535	.1081

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49150.	508.2	2056.	2046.	2051.	25130.
SDev	97.43	1.306	2.303	2.762	1.542	53.53
%RSD	.1982	.257	.112	.135	.0752	.213

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51860.	49330.	2048.	2049.	49580.	2074.
SDev	4.555	85.26	1.977	9.381	68.51	3.108
%RSD	.0088	.1728	.0966	.4578	.1382	.1498

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	509.3	510.4	503.0	5042.	1008.	2033.
SDev	.341	3.482	.4834	3.632	3.918	2.176
%RSD	.067	.6823	.0961	.072	.3888	.107

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2102.	508.1	510.0	501.8	503.6	508.9
SDev	1.773	.9528	.9869	1.846	.1971	3.625
%RSD	.0844	.1875	.1935	.368	.0391	.7123

Elems	1960/2	*Y
Units	PPB	
Avge	511.2	13956.5
SDev	3.411	7.07106
%RSD	.6674	.05066

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 04/02/04 16:42 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8547	18.29	-.3182	Q-478.0	.3191	.1873
SDev	.3384	.4816	.478	19.93	.1313	.0519
%RSD	39.6	2.633	150.2	4.17	41.13	27.7

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	145.5	.1668	.7600	.4361	-.1410	14.31
SDev	2.161	.2183	.1283	.0467	.0604	2.531
%RSD	1.486	130.9	16.88	10.72	42.8	17.69

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	273.8	82.26	.3768	4.332	172.9	.2777
SDev	4.072	3.586	.1177	1.154	4.241	.0645
%RSD	1.487	4.359	31.22	26.65	2.453	23.23

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2052	1.778	-.6308	.5575	5.426	.4355
SDev	.7679	1.229	1.332	.0816	1.969	.1775
%RSD	374.2	69.13	211.1	14.64	36.29	40.77

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2420	2.981	-1.181	.6368	-1.264	1.454
SDev	.122	.1825	1.242	1.96	1.018	1.835
%RSD	50.41	6.12	105.2	307.8	80.55	126.2

Elems	1960/2	*Y
Units	PPB	
Avge	1.940	13741.2
SDev	.9266	3.88908
%RSD	47.77	.0283

Method: TOTAL Sample Name: GC70ED Operator: KLC
Run Time: 04/02/04 16:46 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41.36	130100.	1560.	182.3	2004.	38.43
SDev	.5156	1091	8.915	18.23	11.83	.2254
%RSD	1.247	.8389	.5715	9.997	.5901	.5865

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	43150.	39.18	443.0	268.7	297.0	143000.
SDev	255.9	.3637	2.925	1.742	2.57	911
%RSD	.593	.9282	.6604	.6484	.8655	.637

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	45100.	47950.	2665.	724.9	39380.	465.3
SDev	347.3	283.3	15.69	.3619	438.6	4.043
%RSD	.77	.5909	.5889	.0499	1.114	.8688

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	521.0	1537.	176.4	1416.	1507.	595.4
SDev	3.888	1.434	2.812	7.874	5.651	3.105
%RSD	.7464	.0933	1.594	.5562	.3749	.5216

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	692.3	514.3	524.3	173.1	178.1	1523.
SDev	4.166	1.506	5.078	2.343	3.046	2.628
%RSD	.6018	.2928	.9685	1.354	1.711	.1725

Elems	1960/2	*Y
Units	PPB	
Avge	1544.	16229
SDev	.838	73.5391
%RSD	.0543	.45313

Method: TOTAL Sample Name: GC70G Operator: KLC
Run Time: 04/02/04 17:00 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3709	69420.	39.08	-490.6	875.4	.4889
SDev	.3021	20.7	1.58	14.35	.4455	.0053
%RSD	81.45	.0298	4.043	2.925	.0509	1.087

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10890.	1.516	79.50	72.71	146.0	134600.
SDev	16.63	.0089	.2741	.3739	.3428	175.2
%RSD	.1528	.5851	.3448	.5142	.2347	.1301

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6703.	12950.	5703.	4.316	780.3	73.14
SDev	35.62	23.67	6.589	.0979	109.5	.3366
%RSD	.5315	.1828	.1155	2.269	14.04	.4602

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	169.9	.8035	1.131	24.57	12.89	172.6
SDev	1.211	1.783	.7503	.159	1.072	.1082
%RSD	.7128	221.9	66.36	.6472	8.319	.0627

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	492.9	165.2	172.3	-1.509	2.448	3.242
SDev	.7351	1.069	2.35	.3961	1.323	.9373
%RSD	.1491	.6469	1.364	26.25	54.02	28.92

Elems	1960/2	*Y
Units	PPB	
Avge	-.4138	15425.5
SDev	2.205	13.435
%RSD	532.8	.08709

Method: TOTAL Sample Name: GC8HKB 4091100 Operator: KLC
Run Time: 04/02/04 17:06 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4354	34.51	.5692	-516.0	.3372	-.0931
SDev	.0233	7.557	.4269	5.846	.492	.0843
%RSD	5.35	21.9	74.99	1.133	145.9	90.63

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	378.9	-.0623	.8954	.4765	-.7163	48.14
SDev	.9147	.3583	.0647	.324	2.463	7.884
%RSD	.2414	574.9	7.228	67.99	343.8	16.38

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	283.4	H100.4	3.472	-.0579	108.7	.4703
SDev	7.577	.0508	.4103	.2316	1.978	.9087
%RSD	2.674	.0506	11.82	399.9	1.82	193.2

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1497	-1.109	.1356	-.9718	-24.04	.2011
SDev	.085	2.022	.7978	.6202	40.29	.1381
%RSD	56.79	182.3	588.5	63.82	167.6	68.7

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.728	1.170	-.8084	1.704	-.6474	1.834
SDev	.3879	1.739	.7405	1.705	.3449	.0684
%RSD	4.444	148.6	91.61	100.1	53.28	3.727

Elems	1960/2	*Y
Units	PPB	
Avge	-2.579	13585
SDev	2.998	19.799
%RSD	116.3	.14574

Method: TOTAL Sample Name: GC8HKC Operator: KLC
Run Time: 04/02/04 17:11 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51.53	1893.	1876.	398.2	1855.	46.44
SDev	.2438	19.42	12.12	9.581	14.51	.3725
%RSD	.4731	1.026	.6462	2.406	.7821	.8022

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	46210.	46.58	464.8	188.3	243.4	977.0
SDev	310.4	.5155	3.341	1.541	2.217	18.02
%RSD	.6718	1.107	.7188	.818	.9108	1.844

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49010.	45370.	465.8	902.8	46820.	472.9
SDev	401.7	321.8	3.163	1.175	504.2	3.76
%RSD	.8196	.7091	.6791	.1302	1.077	.7951

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	468.9	1933.	476.7	1834.	1826.	459.7
SDev	1.619	12.13	2.741	16.65	14.53	3.428
%RSD	.3452	.6276	.575	.9079	.7959	.7457

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	483.9	469.8	468.4	476.6	476.7	1920.
SDev	3.639	1.073	1.891	1.28	3.47	13.26
%RSD	.7521	.2284	.4037	.2686	.7279	.6906

Elems	1960/2	*Y
Units	PPB	
Avge	1940.	14253.2
SDev	11.57	64.7003
%RSD	.5965	.45393

Method: TOTAL Sample Name: GC7ED Operator: KLC
Run Time: 04/02/04 17:16 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1850	169.5	1.627	-24.22	83.68	-.0097
SDev	.9359	4.105	1.748	2.865	.2397	.0058
%RSD	506	2.422	107.4	11.83	.2864	59.81

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	134300.	.1248	1.446	.5392	1.253	386.7
SDev	854	.1442	.5835	.3829	.4177	1.47
%RSD	.6358	115.5	40.36	71.01	33.35	.3802

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8674.	23120.	43.67	15.09	128800.	1.861
SDev	6.439	141.4	.2503	2.299	313.7	.7942
%RSD	.0742	.6113	.5732	15.23	.2435	42.68

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0280	10.68	.6785	-1.712	3.559	.5715
SDev	.0957	.3511	1.324	2.037	4.821	.058
%RSD	341.4	3.288	195.1	119	135.4	10.16

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	19.93	2.375	-1.144	1.305	.3658	14.49
SDev	.1782	2.826	1.268	1.976	2.971	4.303
%RSD	.8942	119	110.8	151.4	812.3	29.71

Elems	1960/2	*Y
Units	PPB	
Avge	8.778	13535.8
SDev	1.622	63.2861
%RSD	18.48	.46754

Method: TOTAL Sample Name: GC7EDL Operator: KLC
Run Time: 04/02/04 17:21 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4490	35.06	.3072	-405.1	15.60	-.0661
SDev	.167	2.908	2.024	.7201	.0538	.0215
%RSD	37.19	8.294	659.1	.1778	.345	32.57

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24420.	.0637	.7248	.5802	-.6782	76.08
SDev	1.137	.065	.0609	.002	.2574	3.07
%RSD	.0046	102	8.409	.3514	37.95	4.036

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1657.	4349.	8.154	3.699	23790.	.4153
SDev	8.048	2.652	.0045	.6555	102.4	.3082
%RSD	.4857	.061	.0546	17.72	.4306	74.21

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1277	1.978	-.9123	-.5358	1.725	.1209
SDev	.6617	4.632	1.81	1.252	.8075	.2187
%RSD	518.1	234.2	198.4	233.6	46.82	180.9

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.420	2.995	-1.304	3.139	-2.935	2.241
SDev	.0091	1.257	.3648	.6808	3.053	7.086
%RSD	.1222	41.95	27.98	21.69	104	316.2

Elems	1960/2	*Y
Units	PPB	
Avge	1.846	14379.5
SDev	3.406	16.2634
%RSD	184.5	.1131

Method: TOTAL Sample Name: GC7EDS Operator: KLC
Run Time: 04/02/04 17:25 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	58.68	2346.	2111.	965.2	2164.	51.50
SDev	1.276	44.58	33.8	17.47	41.92	.9696
%RSD	2.175	1.901	1.602	1.81	1.937	1.883

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	178600.	51.40	516.3	208.5	276.5	1481.
SDev	3190	.9911	9.27	3.97	5.287	22.86
%RSD	1.786	1.928	1.795	1.904	1.912	1.543

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	65050.	72450.	556.6	1022.	174200.	523.1
SDev	1200	1354	10.43	16.22	3127	7.277
%RSD	1.845	1.869	1.874	1.588	1.795	1.391

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	519.8	2171.	541.2	2043.	2044.	513.1
SDev	9.927	38.47	9.615	37.31	42.72	9.315
%RSD	1.91	1.772	1.777	1.827	2.09	1.815

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	554.9	520.9	519.3	543.3	540.1	2157.
SDev	9.709	10.39	9.695	9.583	9.63	32.16
%RSD	1.75	1.995	1.867	1.764	1.783	1.491

Elems	1960/2	*Y
Units	PPB	
Avge	2178.	13790.5
SDev	41.63	191.626
%RSD	1.911	1.38955

Method: TOTAL Sample Name: GC7EDD Operator: KLC
Run Time: 04/02/04 17:30 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	60.73	2420.	2178.	1038.	2230.	53.09
SDev	.0353	1.4	5.749	7.54	1.93	.0514
%RSD	.0581	.0578	.264	.7266	.0866	.0969

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	188900.	53.08	532.0	215.2	284.7	1517.
SDev	276.5	.2766	1.189	.7412	.1688	.4103
%RSD	.1463	.5212	.2236	.3444	.0593	.027

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	67220.	75590.	575.4	1056.	183500.	538.9
SDev	68.16	106.1	.6112	2.374	221.8	1.101
%RSD	.1014	.1404	.1062	.2248	.1209	.2043

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	535.7	2232.	559.0	2106.	2104.	528.9
SDev	.1557	8.585	3.043	.873	.0563	.493
%RSD	.0291	.3846	.5443	.0414	.0027	.0932

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	569.4	537.9	534.6	560.5	558.2	2218.
SDev	.4824	3.274	1.401	1.105	4.01	15.71
%RSD	.0847	.6087	.2621	.1971	.7184	.708

Elems	1960/2	*Y
Units	PPB	
Avge	2239.	13622
SDev	5.03	10.6066
%RSD	.2246	.07786

Method: TOTAL Sample Name: GC7EH Operator: KLC
Run Time: 04/02/04 17:35 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2242	6678.	15.59	51.24	114.5	-.0971
SDev	.1832	282.1	.8224	41.28	4.827	.0106
%RSD	81.71	4.224	5.277	80.56	4.216	10.92

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	193100.	.8230	11.82	24.96	16.45	18360.
SDev	7763	.104	.6941	1.147	1.107	778.6
%RSD	4.02	12.63	5.871	4.594	6.729	4.241

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16370.	42570.	870.5	11.61	244100.	23.09
SDev	632.2	1804	36.84	2.028	9144	.7505
%RSD	3.862	4.238	4.232	17.46	3.745	3.251

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.864	2.456	.2218	-.9350	4.189	23.11
SDev	1.062	.4645	1.2	.3427	1.38	.706
%RSD	10.76	18.91	541	36.66	32.93	3.055

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	197.0	10.11	9.743	2.487	-.9091	5.589
SDev	8.263	2.473	2.827	1.921	2.759	.8223
%RSD	4.194	24.47	29.01	77.25	303.5	14.71

Elems	1960/2	*Y
Units	PPB	
Avge	.8924	13805
SDev	.2858	475.883
%RSD	32.03	3.44717

Method: TOTAL Sample Name: GC7EK Operator: KLC
Run Time: 04/02/04 17:40 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3712	631.5	10.10	-440.1	57.91	-.0405
SDev	.0322	13.08	.1232	5.691	1.185	.0097
%RSD	8.663	2.07	1.22	1.293	2.046	24.04

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	71720.	.0865	1.604	1.430	2.372	2801.
SDev	1508	.0671	.1992	.4078	.1366	49.89
%RSD	2.102	77.63	12.42	28.52	5.756	1.781

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3084.	16970.	119.4	13.45	16750.	1.847
SDev	50.33	360.5	2.418	.3823	383.2	.2317
%RSD	1.632	2.125	2.026	2.842	2.288	12.54

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9582	2.240	.1369	-1.850	4.591	1.491
SDev	.0036	2.498	.4378	1.585	1.204	.0537
%RSD	.3773	111.5	319.9	85.66	26.22	3.601

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15.32	1.975	.4506	1.936	-.7612	5.120
SDev	.3109	2.239	1.123	1.066	1.189	2.481
%RSD	2.029	113.4	249.3	55.08	156.2	48.47

Elems	1960/2	*Y
Units	PPB	
Avge	.8029	14135.8
SDev	2.507	261.983
%RSD	312.3	1.85333

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 04/02/04 17:45 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1036.	25340.	522.3	4768.	2125.	2127.
SDev	4.03	93.85	.2647	11.39	8.157	4.386
%RSD	.3889	.3703	.0507	.2389	.3839	.2062

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50060.	517.6	2096.	2088.	2098.	25610.
SDev	.3784	.2508	2.14	3.5	10.02	39.73
%RSD	.0008	.0485	.1021	.1676	.4776	.1551

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52880.	50270.	2095.	2094.	50710.	2122.
SDev	160.4	60.7	3.937	5.63	56.83	4.013
%RSD	.3033	.1207	.1879	.2688	.1121	.1892

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	519.2	515.6	513.6	5135.	1020.	2074.
SDev	.2214	3.825	4.081	3.598	4.064	5.652
%RSD	.0427	.7418	.7946	.0701	.3985	.2725

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2144.	515.6	521.0	513.4	513.6	514.4
SDev	4.177	.7882	.0615	5.75	3.247	6.096
%RSD	.1948	.1529	.0118	1.12	.6322	1.185

Elems	1960/2	*Y
Units	PPB	
Avge	516.3	13736.5
SDev	2.691	63.6396
%RSD	.5213	.46328

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 04/02/04 17:51 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.060	15.02	1.210	Q-500.7	.2819	.2018
SDev	.6401	1.375	.1557	.8598	.0662	.0377
%RSD	60.39	9.157	12.87	.1717	23.48	18.69

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	146.7	-.0091	.8440	.5030	-.6692	10.20
SDev	2.893	.0255	.5193	.1457	.7159	11.85
%RSD	1.972	279.8	61.53	28.96	107	116.2

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	273.9	81.50	.2663	4.254	183.0	-.5403
SDev	16.23	1.709	.0901	3.477	103	0
%RSD	5.924	2.097	33.86	81.74	56.29	0

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3822	.5002	-.7073	2.526	1.987	.2432
SDev	.1453	.8321	2.241	.3252	2.332	.3645
%RSD	38.01	166.4	316.8	12.87	117.3	149.9

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3046	2.528	-.6891	1.487	-1.803	-1.923
SDev	.0186	.0413	.1972	3.389	1.667	.7042
%RSD	6.11	1.633	28.62	227.9	92.48	36.62

Elems	1960/2	*Y
Units	PPB	
Avge	1.710	13628.5
SDev	1.599	318.905
%RSD	93.52	2.33998

Method: TOTAL Sample Name: GC7EQ Operator: KLC
Run Time: 04/02/04 17:56 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4767	11890.	14.45	-225.1	198.5	.0615
SDev	.0457	51.41	1.333	4.177	.9569	.0264
%RSD	9.592	.4324	9.225	1.856	.482	42.91

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	183300.	.6472	10.81	19.13	31.18	28510.
SDev	483	.0864	.0082	.1903	.2384	69.08
%RSD	.2635	13.35	.0761	.9948	.7645	.2423

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9926.	40060.	844.6	3.821	154800.	23.64
SDev	35.44	108.9	3.158	.6707	517.2	.7236
%RSD	.357	.2718	.3739	17.56	.334	3.061

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.90	.5426	.8613	-4.069	4.677	28.85
SDev	.3937	.6943	.4022	1.005	4.405	.0288
%RSD	2.643	128	46.69	24.69	94.2	.0997

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	87.38	13.97	15.36	.1235	1.230	2.599
SDev	.4028	.4716	.3549	2.063	.4271	.0184
%RSD	.461	3.377	2.31	1671	34.74	.7093

Elems	1960/2	*Y
Units	PPB	
Avge	-.4839	14255.8
SDev	1.032	11.6673
%RSD	213.2	.08184

Method: TOTAL Sample Name: GC7ET Operator: KLC
Run Time: 04/02/04 18:01 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0375	570.4	10.69	-386.5	49.99	-.0121
SDev	.3089	15.1	.0321	21.1	1.244	.0002
%RSD	822.8	2.648	.3001	5.459	2.488	1.856

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	135400.	.0893	3.208	2.466	5.872	2858.
SDev	3263	.1275	.1676	.2587	.0018	65.22
%RSD	2.41	142.8	5.225	10.49	.0303	2.282

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3833.	32590.	267.2	9.593	102700.	6.729
SDev	60.96	783.6	6.43	.3589	1986	.3882
%RSD	1.59	2.405	2.407	3.741	1.935	5.769

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.096	-.0667	7.892	-1.694	4.170	4.263
SDev	.3252	.154	1.576	.3867	3.094	.1257
%RSD	6.382	230.8	19.96	22.82	74.2	2.948

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40.38	3.344	5.970	7.004	8.336	2.945
SDev	1.032	.7225	.8482	2.432	1.148	4.827
%RSD	2.555	21.6	14.21	34.72	13.77	163.9

Elems	1960/2	*Y
Units	PPB	
Avge	-1.570	13740
SDev	2.179	238.295
%RSD	138.8	1.73431

Method: TOTAL Sample Name: GC4HD Operator: KLC
Run Time: 04/02/04 18:05 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1996	25.42	1.118	-374.5	144.2	.0315
SDev	.2356	2.043	.1891	6.441	.1729	.0065
%RSD	118.1	8.039	16.91	1.72	.1199	20.6

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	126300.	.1279	.3626	.2173	.5533	6478.
SDev	167.2	.0861	.1373	.1118	.1565	15.61
%RSD	.1323	67.35	37.88	51.46	28.28	.241

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2554.	46770.	639.1	7.489	46950.	3.372
SDev	9.157	82.5	.9317	.0462	105.2	.4167
%RSD	.3585	.1764	.1458	.6165	.2241	12.36

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6773	1.241	-.7917	-2.170	5.945	-.2321
SDev	.1636	1.57	.2824	.7102	.451	.0967
%RSD	24.16	126.6	35.67	32.72	7.586	41.66

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.094	.1834	-1.107	-.0236	-1.175	7.380
SDev	.0357	2.186	.846	1.323	.2372	.1818
%RSD	.871	1192	76.43	5603	20.18	2.464

Elems	1960/2	*Y
Units	PPB	
Avge	-1.824	12930.5
SDev	2.264	22.6274
%RSD	124.1	.17499

Method: TOTAL Sample Name: GC4HR Operator: KLC
Run Time: 04/02/04 18:10 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3732	11.29	-.3467	-445.3	260.3	-.0168
SDev	.278	1.582	1.453	11.97	.6195	.0239
%RSD	74.5	14.01	419.2	2.688	.238	141.9

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	241700.	.1776	.3514	1.860	-.2213	3408.
SDev	157.5	.0197	.0643	.2314	.1809	9.389
%RSD	.0652	11.08	18.3	12.44	81.72	.2755

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4363.	42760.	838.1	.0451	317600.	21.19
SDev	14.25	1.039	.5097	.171	209.9	.7194
%RSD	.3265	.0024	.0608	378.8	.0661	3.395

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5970	-.0424	-1.084	81.27	4.433	3.419
SDev	.5002	2.71	1.499	.1156	.271	.2279
%RSD	83.8	6383	138.3	.1422	6.112	6.666

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.290	-.1363	-.8270	-.4164	-1.417	3.705
SDev	.0599	.958	1.228	2.566	.9655	7.448
%RSD	1.82	702.8	148.5	616.3	68.15	201

Elems	1960/2	*Y
Units	PPB	
Avge	-1.913	13824.5
SDev	.3437	10.6066
%RSD	17.96	.07672

Method: TOTAL Sample Name: GC7HG Operator: KLC
Run Time: 04/02/04 18:15 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0070	9.479	.3136	-436.5	121.5	-.0580
SDev	.1612	1.229	.2965	5.899	.2608	.0066
%RSD	2297	12.97	94.55	1.351	.2146	11.42

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48200.	.0109	.3126	.5402	-.6618	2.283
SDev	168.7	.1794	.1255	.1781	.0909	5.481
%RSD	.35	1640	40.16	32.98	13.74	240.1

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4412.	29440.	4.045	4.487	31930.	-.1579
SDev	16.95	112.1	.0841	.5288	29.04	.3494
%RSD	.3842	.3809	2.079	11.79	.091	221.4

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.066	.7983	-.8671	-1.052	4.290	-.3668
SDev	1.323	3.147	1.248	1.347	2.562	.1336
%RSD	124.1	394.3	144	128.1	59.72	36.41

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.949	-.0866	-1.555	1.634	-2.116	3.903
SDev	.0624	.3721	2.169	2.299	.7239	3.272
%RSD	1.261	429.5	139.5	140.7	34.22	83.83

Elems	1960/2	*Y
Units	PPB	
Avge	-.7518	13862
SDev	3.085	36.0624
%RSD	410.3	.26015

Method: TOTAL Sample Name: GC7HL Operator: KLC
Run Time: 04/02/04 18:20 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0833	32.51	-.3448	-322.9	123.4	-.0233
SDev	.117	1.27	.7082	1.209	.0804	.0008
%RSD	140.5	3.905	205.4	.3745	.0652	3.287

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	126800.	.0432	.3915	.0124	-.3186	730.5
SDev	462.4	.0417	.003	.3013	.334	7.73
%RSD	.3646	96.32	.7549	2433	104.8	1.058

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14370.	22910.	241.0	.8473	28470.	.7247
SDev	24.03	88.55	.9479	.1064	131.7	.7535
%RSD	.1672	.3865	.3933	12.56	.4625	104

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3418	.0772	.7893	3.095	2.468	.5750
SDev	.9731	1.282	.3193	.8751	3.278	.3257
%RSD	284.7	1660	40.45	28.27	132.8	56.64

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	110.5	.5042	.2607	1.242	.5635	5.194
SDev	.4236	2.18	2.547	2.694	1.824	2.191
%RSD	.3833	432.4	977.3	217	323.6	42.18

Elems	1960/2	*Y
Units	PPB	
Avge	-2.477	13596
SDev	3.016	69.2965
%RSD	121.7	.50968

Method: TOTAL Sample Name: GC8H6B 4091111 Operator: KLC
Run Time: 04/02/04 18:26 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0161	24.91	.6276	-518.4	.6994	-.0755
SDev	.4702	3.663	.5921	3.203	.0428	.003
%RSD	2914	14.7	94.34	.6179	6.124	3.916

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	349.5	.0807	.5039	.6178	-.0925	44.74
SDev	6.961	.0457	.1272	.2226	.0512	4.142
%RSD	1.992	56.63	25.25	36.04	55.3	9.259

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	290.3	H108.4	2.644	.5602	105.8	.2273
SDev	15.93	2.875	.0101	.0694	70.67	.2232
%RSD	5.485	2.652	.3812	12.4	66.82	98.18

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0501	2.003	.7826	34.91	1.061	.1137
SDev	.3216	1.978	2.399	.5857	1.781	.3903
%RSD	642.1	98.79	306.6	1.678	167.8	343.3

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.866	.4615	-.1553	-.4167	1.381	2.676
SDev	.05	.2412	.3617	1.622	2.788	3.415
%RSD	.7286	52.25	232.8	389.2	201.8	127.6

Elems	1960/2	*Y
Units	PPB	
Avge	1.666	14253.8
SDev	1.261	117.026
%RSD	75.7	.82102

Method: TOTAL Sample Name: GC8H6C Operator: KLC
Run Time: 04/02/04 18:30 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	47.80	1727.	1729.	308.2	1735.	42.74
SDev	.1933	2.246	.2192	2.178	1.81	.0403
%RSD	.4044	.13	.0127	.7068	.1043	.0943

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L244.9	44.18	439.6	176.6	226.2	911.3
SDev	1.995	.038	.5824	.5245	.0603	6.29
%RSD	.8144	.086	.1325	.2969	.0267	.6903

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L299.6	L88.65	435.2	835.5	L93.90	448.0
SDev	4.964	1.335	.2142	3.952	79.64	.035
%RSD	1.657	1.506	.0492	.4731	84.81	.0078

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	443.4	1749.	433.3	1744.	1700.	422.8
SDev	2.07	6.789	.2265	.0356	.7226	.5525
%RSD	.4669	.3881	.0523	.002	.0425	.1307

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	450.5	445.6	442.4	439.1	430.4	1737.
SDev	.5012	1.43	3.818	.4119	.5452	9.738
%RSD	.1113	.321	.8631	.0938	.1267	.5606

Elems	1960/2	*Y
Units	PPB	
Avge	1755.	14230
SDev	5.317	2.82842
%RSD	.3029	.01987

Method: TOTAL Sample Name: GC7DP Operator: KLC
Run Time: 04/02/04 18:35 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.983	100200.	29.52	-302.6	1340.	20.85
SDev	.3656	20.29	.8454	3.897	.0751	.3861
%RSD	18.43	.0202	2.863	1.288	.0056	1.852

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H885100.	8.818	21.53	561.2	128.5	378400.
SDev	678.7	.8105	.4084	.3912	4.89	179.5
%RSD	.0767	9.192	1.896	.0697	3.807	.0474

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6700.	178300.	14790.	64.39	4497.	108.8
SDev	8.74	78.72	1.311	.9597	32.68	.5581
%RSD	.1304	.0442	.0089	1.49	.7267	.5132

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	453.7	-1.344	-.6230	28.76	23.45	250.7
SDev	.226	1.854	1.681	.2962	14.52	.0808
%RSD	.0498	137.9	269.9	1.03	61.9	.0322

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1050.	445.5	457.7	-2.126	.1272	-3.446
SDev	1.42	3.516	2.094	.6219	2.21	.0249
%RSD	.1353	.7893	.4576	29.26	1737	.7215

Elems	1960/2	*Y
Units	PPB	
Avge	-.2945	14290.8
SDev	2.767	15.9099
%RSD	939.5	.11133

Method: TOTAL Sample Name: GC7DPS Operator: KLC
Run Time: 04/02/04 18:40 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48.82	97140.	1660.	430.3	2780.	59.14
SDev	.3901	103.9	1.442	1.559	2.226	.0215
%RSD	.799	.1069	.0869	.3623	.0801	.0363

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H905600.	43.71	399.1	592.5	313.0	275400.
SDev	1591	.0576	.0596	.1853	.61	10.36
%RSD	.1757	.1319	.0149	.0313	.1949	.0038

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6801.	168100.	13720.	777.5	4629.	459.9
SDev	6.371	231.7	14.42	3.847	38.11	.3506
%RSD	.0937	.1378	.1051	.4948	.8232	.0762

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	740.4	1599.	157.4	1424.	1546.	609.3
SDev	2.483	3.801	1.01	2.102	.4172	.1104
%RSD	.3354	.2378	.6417	.1475	.027	.0181

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1245.	733.0	744.1	155.7	158.2	1585.
SDev	1.509	2.02	2.715	.8725	1.079	3.992
%RSD	.1212	.2756	.3648	.5604	.6817	.2519

Elems	1960/2	*Y
Units	PPB	
Avge	1606.	14030.8
SDev	3.706	28.6378
%RSD	.2308	.2041

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 04/02/04 18:45 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1025.	24900.	517.4	4668.	2091.	2119.
SDev	2.726	30.34	2.022	2.448	2.762	8.539
%RSD	.266	.1218	.3908	.0524	.1321	.4029

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49800.	516.3	2086.	2078.	2063.	25550.
SDev	254.4	2.126	7.967	7.093	1.584	102.7
%RSD	.5108	.4117	.3819	.3414	.0768	.4018

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51660.	50150.	2079.	2081.	49570.	2110.
SDev	66.26	196.4	7.162	.9602	1.793	7.937
%RSD	.1283	.3917	.3444	.0461	.0036	.3761

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	519.3	515.9	509.0	5120.	1013.	2059.
SDev	1.452	1.607	1.765	25.02	1.87	5.642
%RSD	.2797	.3115	.3468	.4887	.1846	.274

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2132.	512.9	522.5	506.8	510.0	515.1
SDev	6.223	2.397	.981	2.079	1.609	2.773
%RSD	.2919	.4673	.1877	.4102	.3154	.5384

Elems	1960/2	*Y
Units	PPB	
Avge	516.2	13712.2
SDev	1.025	51.9723
%RSD	.1986	.37902

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 04/02/04 18:51 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7556	13.96	-.1920	Q-493.2	.3346	.1726
SDev	.2281	2.587	.4498	11.09	.0957	.0277
%RSD	30.18	18.53	234.3	2.248	28.58	16.04

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	183.1	.0274	.8003	.3046	-.3317	15.23
SDev	17.17	.0633	.1998	.3235	.3644	1.255
%RSD	9.376	231.3	24.97	106.2	109.9	8.243

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	275.2	82.16	.5480	Q5.340	155.5	-.1355
SDev	1.7	3.239	.1442	1.491	32.74	.7619
%RSD	.6178	3.942	26.31	27.92	21.06	562.4

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1672	.6245	-.2205	1.099	1.452	.1961
SDev	.1274	1.693	2.707	1.473	5.569	.4742
%RSD	76.2	271	1228	134	383.5	241.9

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2602	2.605	-1.050	1.441	-1.050	1.546
SDev	.0168	2.888	1.633	1.487	4.802	.625
%RSD	6.456	110.9	155.5	103.2	457.3	40.42

Elems	1960/2	*Y
Units	PPB	
Avge	.1643	13614.8
SDev	2.225	534.926
%RSD	1354	3.92902

Method: TOTAL Sample Name: GC7DPD Operator: KLC
Run Time: 04/02/04 18:56 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48.43	105900.	1677.	466.4	2941.	59.94
SDev	.0452	655.8	2.528	9.892	19.04	.3776
%RSD	.0934	.6194	.1507	2.121	.6474	.63

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H904200.	46.51	410.4	790.6	359.2	422700.
SDev	3370	.204	2.585	4.943	1.893	2324
%RSD	.3727	.4386	.6299	.6253	.527	.5498

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8067.	181400.	16950.	834.4	4568.	506.5
SDev	47.14	925.5	96.12	.8512	34.55	1.898
%RSD	.5844	.5103	.5671	.102	.7563	.3747

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	866.7	1582.	151.6	1423.	1551.	689.1
SDev	4.535	8.043	1.652	8.596	.7915	4.652
%RSD	.5233	.5084	1.09	.6041	.051	.6751

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1566.	858.2	870.9	146.7	154.0	1566.
SDev	9.116	5.011	4.297	.6968	2.825	13.48
%RSD	.5823	.5839	.4934	.4749	1.834	.8608

Elems	1960/2	*Y
Units	PPB	
Avge	1590.	13815.5
SDev	5.327	70.0036
%RSD	.335	.5067

Method: TOTAL Sample Name: GC7E9 Operator: KLC
Run Time: 04/02/04 19:01 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2112	4124.	12.11	-515.0	32.68	-.3824
SDev	.1243	2.626	.7727	4.206	.0891	.0181
%RSD	58.85	.0637	6.379	.8167	.2725	4.74

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	56030.	.0355	10.51	14.94	3.255	16800.
SDev	44.93	.0469	.1238	.3566	.2782	10.89
%RSD	.0802	132.2	1.178	2.387	8.547	.0648

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1036.	23080.	333.6	6.172	325.1	11.89
SDev	6.851	4.719	.0024	2.176	30.51	.7786
%RSD	.6614	.0205	.0007	35.26	9.384	6.547

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.16	2.184	-.2386	34.84	7.996	16.16
SDev	.9598	1.977	.0468	2.1	1.468	.1389
%RSD	8.598	90.54	19.61	6.028	18.35	.8595

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	46.47	11.26	11.11	.9498	-.8319	1.540
SDev	.0955	.083	1.48	1.372	.7553	2.292
%RSD	.2055	.7373	13.32	144.5	90.79	148.8

Elems	1960/2	*Y
Units	PPB	
Avge	2.505	14189.5
SDev	1.82	.7071
%RSD	72.66	.00498

Method: TOTAL Sample Name: GC7FG Operator: KLC
Run Time: 04/02/04 19:05 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0063	4757.	10.91	-502.6	34.89	-.3821
SDev	.1177	23.52	.3382	1.148	.1963	.0086
%RSD	1874	.4944	3.102	.2283	.5626	2.254

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54000.	.1279	10.70	65.16	6.073	23410.
SDev	164.3	.0938	.2107	.2771	.077	62.66
%RSD	.3042	73.31	1.97	.4253	1.267	.2677

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1116.	21320.	1509.	1.646	239.2	13.05
SDev	.3715	51.38	5.344	.2258	181.3	.0714
%RSD	.0333	.2411	.3542	13.72	75.8	.5469

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.82	2.253	-.6959	35.42	2.019	26.00
SDev	.0332	.5484	.1853	.2668	.6088	.1841
%RSD	.2401	24.35	26.62	.7532	30.15	.7081

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	50.28	14.86	13.30	-.7023	-.6927	5.442
SDev	.1353	2.549	1.322	.7124	.6334	3.282
%RSD	.2691	17.15	9.944	101.4	91.44	60.31

Elems	1960/2	*Y
Units	PPB	
Avge	.6603	13719.5
SDev	.8163	25.4558
%RSD	123.6	.18554

Method: TOTAL Sample Name: GC7FW/2 Operator: KLC
Run Time: 04/02/04 19:10 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7915	10390.	27.59	-490.0	132.1	1.964
SDev	.3164	58.39	.7327	2.102	.6019	.0079
%RSD	39.98	.5621	2.656	.4289	.4557	.4015

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	292300.	1.286	17.07	90.02	28.93	335300.
SDev	1320	.0154	.445	.5236	.1376	1691
%RSD	.4517	1.201	2.607	.5816	.4758	.5044

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1956.	39430.	6037.	3.610	468.6	17.98
SDev	12.42	182.8	29.95	.0799	15.58	.1106
%RSD	.6352	.4636	.4961	2.212	3.324	.6155

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40.53	-6.282	-.7534	12.03	8.095	96.77
SDev	.5651	.9142	1.514	1.617	.621	.4837
%RSD	1.394	14.55	200.9	13.45	7.672	.4999

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	104.3	41.59	40.01	-.9517	-.6543	-12.39
SDev	.6523	1.035	.3303	1.159	1.691	3.419
%RSD	.6256	2.49	.8257	121.7	258.4	27.59

Elems	1960/2	*Y
Units	PPB	
Avge	-3.232	13590.2
SDev	.3364	61.8718
%RSD	10.41	.45526

Method: TOTAL Sample Name: GC7J3/2 Operator: KLC
Run Time: 04/02/04 19:15 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0058	14190.	343.0	-449.7	290.1	.4167
SDev	.4946	1.979	2.999	1.564	.0645	.0025
%RSD	8484	.0139	.8745	.3478	.0222	.5895

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	91380.	18.88	44.96	833.2	743.5	352200.
SDev	12.76	.0667	.0138	.5662	.1368	216.1
%RSD	.014	.3533	.0307	.068	.0184	.0614

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3404.	20360.	14250.	29.22	1541.	133.6
SDev	14.97	16.74	9.536	.3927	11.99	.1708
%RSD	.4397	.0822	.0669	1.344	.778	.1279

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1193.	-3.037	28.82	132.5	7.952	169.0
SDev	.3469	1.469	.6206	.3763	.8553	.2184
%RSD	.0291	48.36	2.154	.2841	10.76	.1292

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4391.	1190.	1195.	31.46	27.50	-6.748
SDev	4.311	1.903	1.47	1.208	1.534	.5019
%RSD	.0982	.1598	.1231	3.841	5.577	7.438

Elems	1960/2	*Y
Units	PPB	
Avge	-1.185	13985.2
SDev	1.952	24.3952
%RSD	164.7	.17443

Method: TOTAL Sample Name: GC7KJ/5 Operator: KLC
Run Time: 04/02/04 19:20 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4195	38110.	13.22	-390.1	400.0	3.952
SDev	.028	804.8	1.178	3.86	8.621	.1234
%RSD	6.673	2.112	8.907	.9894	2.155	3.124

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	214000.	.6211	6.740	165.0	12.17	24310.
SDev	4163	.0989	.1491	3.511	.433	537.1
%RSD	1.945	15.92	2.212	2.128	3.558	2.209

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4163.	34600.	13640.	-.1239	815.4	3.849
SDev	76.47	734.8	280.3	.754	20.69	.6864
%RSD	1.837	2.123	2.056	608.7	2.537	17.83

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	43.47	1.777	2.128	2.217	9.165	56.61
SDev	1.85	2.002	.8121	.5464	.7451	1.717
%RSD	4.256	112.6	38.16	24.65	8.13	3.032

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	105.6	42.23	44.08	1.803	2.290	4.256
SDev	2.141	1.62	3.583	1.43	1.931	1.751
%RSD	2.027	3.837	8.127	79.33	84.33	41.15

Elems	1960/2	*Y
Units	PPB	
Avge	.5402	14388.8
SDev	3.876	237.941
%RSD	717.5	1.65366

Method: TOTAL Sample Name: GCTPDT/5 Operator: KLC
Run Time: 04/02/04 19:25 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6858	4514.	9.518	-312.8	205.1	.5865
SDev	.0464	26.48	1.582	5.648	1.177	.0066
%RSD	6.762	.5867	16.62	1.805	.5738	1.127

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	285400.	217.7	5.393	357.4	816.8	12760.
SDev	477.8	.4821	.0724	.9028	3.98	37.31
%RSD	.1674	.2215	1.343	.2526	.4873	.2924

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2527.	119100.	4348.	20.20	18600.	69.67
SDev	13.91	342.5	14.06	.4998	66.44	.2169
%RSD	.5504	.2875	.3234	2.474	.3572	.3114

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9470.	2.878	-10.60	4.285	5.874	15.25
SDev	34.65	.4303	.3532	1.905	1.619	.2853
%RSD	.3659	14.95	3.331	44.47	27.56	1.871

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H37960.	9471.	9469.	13.59	-22.68	6.203
SDev	99.54	30.36	36.8	2.326	1.691	3.261
%RSD	.2622	.3206	.3886	17.12	7.456	52.57

Elems	1960/2	*Y
Units	PPB	
Avge	1.218	13808.2
SDev	2.273	26.5165
%RSD	186.7	.19203

Method: TOTAL Sample Name: GC3DG/2 Operator: KLC
Run Time: 04/02/04 19:30 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.041	57830.	42.46	-424.8	545.4	5.247
SDev	.0837	82.05	1.161	11.11	.9841	.0123
%RSD	8.036	.1419	2.735	2.614	.1804	.2348

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	470400.	4.463	23.84	589.0	176.8	370200.
SDev	474.3	.3545	.1384	.2391	.0519	264.7
%RSD	.1008	7.944	.5807	.0406	.0294	.0715

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4193.	126500.	20060.	23.83	1751.	72.76
SDev	2.524	112.4	17.62	.1713	51.94	.8413
%RSD	.0602	.0889	.0878	.7188	2.967	1.156

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	251.7	-1.987	2.509	17.58	8.830	285.7
SDev	1.176	1.973	2.025	1.574	1.66	.4628
%RSD	.4674	99.27	80.71	8.953	18.8	.162

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	715.1	247.6	253.7	.5873	3.468	-3.217
SDev	1.839	.6896	2.108	1.561	2.256	5.077
%RSD	.2572	.2785	.8308	265.8	65.06	157.8

Elems	1960/2	*Y
Units	PPB	
Avge	-1.373	14270
SDev	.4227	28.9914
%RSD	30.78	.20316

Method: TOTAL Sample Name: GC3DD/5 Operator: KLC
Run Time: 04/02/04 19:35 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3327	43130.	13.53	-453.3	399.2	3.558
SDev	.0938	78.19	1.007	1.513	.7813	.0059
%RSD	28.18	.1813	7.438	.3337	.1957	.1664

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	239800.	1.217	8.392	229.1	36.89	70830.
SDev	745.3	.0982	.1449	.6946	.2358	185
%RSD	.3108	8.066	1.727	.3032	.6392	.2611

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2841.	38150.	13890.	1.213	1061.	11.05
SDev	13.82	94.56	43.51	.9191	159.7	.5056
%RSD	.4866	.2479	.3134	75.77	15.05	4.574

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	82.30	1.630	2.233	5.671	11.40	77.69
SDev	.4281	1.391	.6376	.0279	4.984	.2817
%RSD	.5201	85.34	28.55	.4918	43.72	.3626

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	234.1	79.41	83.74	-1.207	3.950	.0944
SDev	.6782	.2133	.7483	.0865	.9128	2.373
%RSD	.2897	.2686	.8935	7.169	23.11	2514

Elems	1960/2	*Y
Units	PPB	
Avge	2.397	13872.2
SDev	.9011	33.5876
%RSD	37.6	.24212

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 04/02/04 19:41 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	989.0	23940.	498.2	4491.	2008.	2032.
SDev	.6537	9.177	.0301	20.12	.5437	1.06
%RSD	.0661	.0383	.006	.4479	.0271	.0522

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	47720.	495.9	2003.	1992.	1984.	24480.
SDev	54.83	.7799	1.931	.3225	1.356	24.81
%RSD	.1149	.1573	.0964	.0162	.0683	.1013

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49850.	48190.	1991.	1995.	47830.	2022.
SDev	96.54	36.59	.0082	10.92	32.4	3.556
%RSD	.1937	.0759	.0004	.5475	.0677	.1758

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	497.2	495.0	489.8	4928.	976.8	1979.
SDev	.2847	.0519	.3143	6.424	8.409	.0268
%RSD	.0573	.0105	.0642	.1303	.8608	.0014

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2040.	495.4	498.0	488.5	490.4	492.3
SDev	.8629	.1426	.4981	3.27	2.104	2.059
%RSD	.0423	.0288	.1	.6693	.429	.4182

Elems	1960/2	*Y
Units	PPB	
Avge	496.3	14170.8
SDev	1.106	30.7591
%RSD	.2228	.21706

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 04/02/04 19:47 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4730	7.974	-.3974	Q-514.7	.2614	.1521
SDev	.3806	.0768	.2125	8.453	.0179	.0726
%RSD	80.47	.9627	53.48	1.642	6.846	47.71

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	149.0	.0781	.6280	.3298	-.6685	21.22
SDev	4.009	.1722	.0638	.2558	.0904	3.233
%RSD	2.691	220.5	10.16	77.57	13.52	15.24

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	272.1	82.25	.6042	4.223	139.6	-.3385
SDev	8.641	.5175	.2161	2.098	2.032	.2219
%RSD	3.176	.6291	35.77	49.68	1.456	65.55

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0870	1.053	1.126	2.032	5.656	.3938
SDev	1.121	.6461	1.888	.3048	1.143	.039
%RSD	1288	61.35	167.7	15	20.21	9.9

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9743	.9501	-.6048	-.1748	1.776	-.8509
SDev	.1748	.7413	1.31	.6086	3.135	3.558
%RSD	17.94	78.03	216.7	348.2	176.6	418.1

Elems	1960/2	*Y
Units	PPB	
Avge	2.004	13910.8
SDev	.8076	22.2739
%RSD	40.31	.16011

Method: TOTAL Sample Name: GC8HAB 4091096 Operator: KLC
Run Time: 04/02/04 19:52 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1031	9.541	.0377	-523.6	.3774	-.0253
SDev	.3237	3.759	1.165	4.936	.02	.0257
%RSD	313.9	39.4	3091	.9427	5.304	101.5

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	412.2	.2023	.6804	.1287	-.0884	20.56
SDev	2.765	.1095	.124	.3592	.1125	3.412
%RSD	.6709	54.12	18.23	279.1	127.3	16.59

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	269.8	H103.0	3.435	1.215	49.89	-.3877
SDev	3.583	2.137	.0718	.2114	83.47	.0314
%RSD	1.328	2.075	2.091	17.4	167.3	8.111

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2099	.0212	-.6669	-.4935	3.834	.1782
SDev	1.091	1.269	1.707	1.789	1.33	.3935
%RSD	519.8	5997	255.9	362.5	34.7	220.9

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.230	-.2259	-.2019	-1.201	-.4004	.7845
SDev	.0398	.1958	1.538	1.886	1.617	.7629
%RSD	.4843	86.68	761.7	157	404	97.25

Elems	1960/2	*Y
Units	PPB	
Avge	-.3600	14329.5
SDev	1.522	59.397
%RSD	422.7	.4145

Method: TOTAL Sample Name: GC8HAC Operator: KLC
Run Time: 04/02/04 19:56 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L5.318	1906.	1915.	390.0	1890.	47.33
SDev	.1362	19.24	19.34	16.22	12.32	.3224
%RSD	2.561	1.009	1.01	4.159	.6519	.6811

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L375.3	48.64	483.5	193.4	245.7	1006.
SDev	1.82	.2049	3.312	1.712	1.382	8.667
%RSD	.485	.4213	.6849	.8851	.5623	.8615

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L250.2	L95.88	477.5	919.2	L-207.8	493.1
SDev	17.27	1.811	3.319	12.41	252.1	6.435
%RSD	6.905	1.889	.6951	1.35	121.3	1.305

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	485.6	1966.	479.8	1897.	1871.	469.3
SDev	3.38	14.69	1.247	7.399	15.52	2.948
%RSD	.6961	.7472	.2599	.3899	.8295	.6282

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	499.7	490.4	483.3	482.4	478.5	1956.
SDev	2.981	4.247	2.948	.4694	1.635	14.39
%RSD	.5966	.866	.61	.0973	.3417	.7356

Elems	1960/2	*Y
Units	PPB	
Avge	1971.	14146
SDev	14.84	33.234
%RSD	.7529	.23493

Method: TOTAL Sample Name: GC7F2 Operator: KLC
Run Time: 04/02/04 20:02 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5534	1199.	1.865	-322.7	54.56	-.0018
SDev	.2352	1.096	.8345	.4248	.0314	.0074
%RSD	42.5	.0914	44.74	.1316	.0576	410.8

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	149600.	.2722	4.211	13.08	2.328	2485.
SDev	228.5	.0484	.1971	.1395	.1063	6.813
%RSD	.1528	17.79	4.681	1.066	4.568	.2742

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2506.	39620.	383.7	6.337	28630.	50.16
SDev	2.945	60.23	.5131	1.753	7.364	.087
%RSD	.1175	.152	.1337	27.66	.0257	.1733

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4074	1.450	-.3517	-1.644	3.713	2.702
SDev	1.4	2.231	1.812	.215	.0584	.2678
%RSD	343.7	153.8	515.1	13.08	1.573	9.912

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	27.09	.9033	.1598	1.262	-1.157	7.062
SDev	.0045	1.5	2.848	.2538	2.59	6.483
%RSD	.0166	166	1783	20.11	223.7	91.79

Elems	1960/2	*Y
Units	PPB	
Avge	-1.351	14244.8
SDev	.1077	50.5581
%RSD	7.969	.35492

Method: TOTAL Sample Name: GC7F2L Operator: KLC
Run Time: 04/02/04 20:07 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0097	249.1	1.441	-474.1	11.31	-.0532
SDev	.194	.2181	1.499	9.069	.0575	.006
%RSD	2003	.0875	104	1.913	.5083	11.3

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	30140.	.0293	1.028	2.948	-.1713	523.6
SDev	51.4	.0867	.0003	.6856	.0813	5.024
%RSD	.1705	295.9	.0247	23.26	47.48	.9594

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	677.6	8195.	80.32	1.947	5962.	10.04
SDev	12.75	8.564	.0263	.7291	134.4	.4535
%RSD	1.882	.1045	.0327	37.45	2.254	4.515

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2843	2.017	-.4856	.2970	1.642	.5554
SDev	.3249	.0987	.8458	1.137	2.15	.3126
%RSD	114.3	4.896	174.2	382.9	130.9	56.28

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.166	2.140	-1.495	1.080	-1.267	3.006
SDev	.0403	1.331	1.152	2.437	.0512	1.025
%RSD	.4935	62.2	77.05	225.7	4.043	34.08

Elems	1960/2	*Y
Units	PPB	
Avge	1.523	14013.5
SDev	.3635	25.4558
%RSD	23.88	.18165

Method: TOTAL Sample Name: GC7F2S Operator: KLC
Run Time: 04/02/04 20:12 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.260	4497.	1875.	570.3	1893.	46.37
SDev	.0152	16.03	12.57	.2296	8.308	.2563
%RSD	.2882	.3565	.6702	.0402	.4388	.5527

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	156900.	46.37	467.0	205.2	241.5	4240.
SDev	749.5	.2108	2.48	1.127	.8302	13.82
%RSD	.4778	.4546	.531	.5492	.3438	.3259

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3067.	41800.	860.0	897.5	29800.	521.1
SDev	6.779	200.4	4.376	9.307	77.85	3.262
%RSD	.221	.4796	.5088	1.037	.2613	.6259

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	465.7	1910.	473.5	1841.	1813.	462.0
SDev	3.07	5.076	2.625	9.808	12.55	2.112
%RSD	.6592	.2658	.5542	.5328	.6923	.4571

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	491.6	468.9	464.1	478.0	471.3	1910.
SDev	2.663	4.346	2.432	5.354	1.262	3.085
%RSD	.5416	.9269	.5241	1.12	.2678	.1616

Elems	1960/2	*Y
Units	PPB	
Avge	1910.	13503.5
SDev	6.07	86.9741
%RSD	.3178	.64408

Method: TOTAL Sample Name: GC7F2D Operator: KLC
Run Time: 04/02/04 20:17 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.213	4657.	2138.	740.8	2163.	52.99
SDev	.0552	33.59	20.69	23.28	14.44	.38
%RSD	.8888	.7213	.9677	3.143	.6673	.7172

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	177600.	52.78	530.0	231.2	275.6	4443.
SDev	1614	.2892	3.76	1.58	1.849	33.05
%RSD	.9086	.5478	.7095	.6834	.6708	.7439

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3288.	47120.	972.1	1035.	33670.	591.3
SDev	31.98	363.4	7.855	10.76	293.6	4.394
%RSD	.9724	.7712	.808	1.04	.8721	.7431

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	532.2	2180.	541.3	2096.	2061.	525.9
SDev	3.831	14.28	5.548	19.28	16.61	4.599
%RSD	.7198	.6548	1.025	.9198	.8056	.8746

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	555.4	534.7	530.9	542.8	540.6	2172.
SDev	3.816	3.699	3.896	2.227	7.206	20.1
%RSD	.6872	.6917	.7339	.4103	1.333	.925

Elems	1960/2	*Y
Units	PPB	
Avge	2184.	13624.5
SDev	11.37	73.5391
%RSD	.5205	.53975

Method: TOTAL Sample Name: GC7F2F Operator: KLC
Run Time: 04/02/04 20:22 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0206	15.64	1.799	-301.6	54.38	-.0308
SDev	.2086	1.003	.9507	7.874	.3348	.0302
%RSD	1014	6.416	52.85	2.611	.6157	98.1

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	154900.	.1117	2.329	1.058	-.3492	287.8
SDev	251	.1189	.0602	.0092	.0947	4.801
%RSD	.162	106.5	2.587	.8707	27.1	1.669

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2399.	40470.	344.0	7.114	33370.	63.69
SDev	14.87	65.37	.7604	1.529	176.6	.7511
%RSD	.6199	.1615	.221	21.49	.5293	1.179

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1626	2.007	1.548	-.4879	7.858	.0824
SDev	.7345	.8712	.6605	.4101	1.923	.1398
%RSD	451.8	43.4	42.67	84.06	24.47	169.8

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.97	-1.813	1.149	.0076	2.317	3.398
SDev	.1325	.7414	1.471	.3485	1.164	.7949
%RSD	1.208	40.89	128.1	4579	50.25	23.39

Elems	1960/2	*Y
Units	PPB	
Avge	1.313	13787
SDev	1.703	37.4766
%RSD	129.7	.27182

Method: TOTAL Sample Name: GC7F2FS Operator: KLC
Run Time: 04/02/04 20:27 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.530	2118.	2151.	760.2	2166.	53.33
SDev	.687	4.898	.8754	5.422	5.626	.0466
%RSD	10.52	.2312	.0407	.7131	.2598	.0874

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	161200.	52.96	532.9	215.9	274.2	1389.
SDev	188.9	.1146	.1858	.0822	.394	1.642
%RSD	.1172	.2165	.0349	.0381	.1437	.1182

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2450.	42120.	885.8	1038.	34600.	603.7
SDev	6.323	26.71	1.508	4.471	57.18	.8884
%RSD	.2581	.0634	.1702	.4308	.1653	.1472

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	532.9	2195.	544.2	2109.	2051.	523.9
SDev	2.025	2.239	1.158	.3171	4.824	.241
%RSD	.38	.102	.2127	.015	.2352	.046

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	555.4	538.0	530.3	549.7	541.5	2184.
SDev	.7715	.2341	3.153	1.133	2.302	4.32
%RSD	.1389	.0435	.5945	.2061	.425	.1978

Elems	1960/2	*Y
Units	PPB	
Avge	2200.	13615
SDev	1.2	8.48528
%RSD	.0545	.06232

Method: TOTAL Sample Name: GC7F2FD Operator: KLC
Run Time: 04/02/04 20:32 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.980	2078.	2117.	719.2	2122.	52.35
SDev	.2351	3.253	1.568	10.08	2.521	.0463
%RSD	3.932	.1565	.0741	1.402	.1188	.0883

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	154700.	52.09	523.3	211.2	268.9	1364.
SDev	22.3	.1998	.4296	.4293	.0289	5.115
%RSD	.0144	.3837	.0821	.2032	.0107	.3751

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2356.	40310.	861.1	1023.	33160.	591.5
SDev	13.11	15.72	.4218	5.048	60.9	1.392
%RSD	.5563	.039	.049	.4935	.1837	.2354

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	526.2	2167.	534.9	2072.	2028.	514.9
SDev	.7887	7.341	1.856	.0565	4.598	.1753
%RSD	.1499	.3388	.347	.0027	.2267	.034

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	553.2	529.8	524.4	536.2	534.2	2155.
SDev	.212	.5945	.8857	2.08	1.744	.1062
%RSD	.0383	.1122	.1689	.3879	.3265	.0049

Elems	1960/2	*Y
Units	PPB	
Avge	2173.	13878
SDev	10.95	37.4766
%RSD	.5041	.27004

Method: TOTAL Sample Name: GC7GH Operator: KLC
Run Time: 04/02/04 20:37 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0153	25.82	1.727	-386.4	28.39	-.0268
SDev	.4217	3.225	.7522	8.35	.1209	.0055
%RSD	2759	12.49	43.55	2.161	.4259	20.48

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	114200.	.1841	1.687	2.994	3.628	37.09
SDev	33.37	.0398	.1332	.8848	.2799	1.55
%RSD	.0292	21.6	7.893	29.55	7.716	4.178

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3677.	57770.	21.09	28.91	73200.	13.18
SDev	3.398	55.65	.1091	.7396	254.1	.9505
%RSD	.0924	.0963	.5176	2.558	.3471	7.21

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0961	1.633	1.497	.1484	7.525	.2783
SDev	.2342	.7914	2.719	.6182	1.186	.0968
%RSD	243.6	48.46	181.6	416.7	15.77	34.79

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.207	-.3056	.2966	1.498	1.496	3.713
SDev	.1182	1.558	1.129	2.214	2.971	1.529
%RSD	1.44	509.9	380.6	147.8	198.5	41.17

Elems	1960/2	*Y
Units	PPB	
Avge	.5942	13310
SDev	.4232	11.3137
%RSD	71.23	.085

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 04/02/04 20:43 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	999.9	24150.	500.7	4540.	2024.	2060.
SDev	.2571	3.348	1.754	7.728	.9686	3.024
%RSD	.0257	.0139	.3503	.1702	.0478	.1468

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48570.	503.3	2030.	2024.	2004.	24850.
SDev	83.94	.8838	3.142	1.305	.8084	18.78
%RSD	.1728	.1756	.1548	.0645	.0403	.0756

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49990.	48990.	2023.	2022.	48130.	2048.
SDev	18.76	70.89	1.75	5.092	50.82	5.104
%RSD	.0375	.1447	.0865	.2518	.1056	.2492

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	504.2	499.4	496.2	5002.	987.4	2006.
SDev	.9412	2.425	2.158	5.591	7.986	3.243
%RSD	.1867	.4856	.435	.1118	.8088	.1616

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2064.	503.6	504.6	496.3	496.1	499.2
SDev	.8136	.4078	1.615	1.06	2.707	7.138
%RSD	.0394	.081	.32	.2135	.5457	1.43

Elems	1960/2	*Y
Units	PPB	
Avge	499.5	13823.2
SDev	.0719	3.18198
%RSD	.0144	.02301

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 04/02/04 20:49 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3736	1.844	-.1681	Q-496.2	.2968	.1531
SDev	.4222	2.32	.2242	13.21	.0726	.0672
%RSD	113	125.8	133.4	2.662	24.47	43.9

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	148.3	.2609	.8080	.8579	-.7508	14.69
SDev	2.003	.0454	.314	.3577	.1918	.4989
%RSD	1.351	17.4	38.86	41.69	25.55	3.395

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	275.6	80.19	.2098	4.453	195.5	.1494
SDev	7.432	.5648	.0422	2.472	51.77	.2843
%RSD	2.697	.7043	20.12	55.53	26.48	190.3

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2602	1.524	-.3664	.8291	2.850	.2625
SDev	.1227	.3051	.086	1.321	4.088	.215
%RSD	47.16	20.02	23.48	159.4	143.4	81.9

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3886	1.422	-1.100	.5651	-.8315	2.383
SDev	.0975	2.36	1.362	.9516	.3461	3.692
%RSD	25.1	166	123.8	168.4	41.62	154.9

Elems	1960/2	*Y
Units	PPB	
Avge	1.095	14039.2
SDev	1.386	24.3952
%RSD	126.5	.17376

Method: TOTAL Sample Name: GC7GHF Operator: KLC
Run Time: 04/02/04 20:53 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.8652	8.662	1.649	-393.7	25.00	.0205
SDev	.0344	2.071	.8923	6.075	.09	.0378
%RSD	3.981	23.9	54.12	1.543	.3599	184.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	103600.	.1773	1.570	.4728	3.029	35.80
SDev	102.1	.1686	.0003	.3525	.5784	8.311
%RSD	.0985	95.09	.0167	74.55	19.1	23.21

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3329.	52250.	18.46	23.36	65700.	11.78
SDev	23.5	60.59	.0261	.329	398.6	.615
%RSD	.706	.116	.1415	1.408	.6066	5.221

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5350	-.0827	-.2036	-2.039	5.743	-.0475
SDev	.8167	1.628	1.043	.9997	8.248	.496
%RSD	152.6	1969	512.3	49.04	143.6	1045

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	33.92	2.613	-2.107	1.328	-.9683	6.116
SDev	.3402	.6941	1.571	1.242	2.184	.4964
%RSD	1.003	26.56	74.57	93.51	225.5	8.117

Elems	1960/2	*Y
Units	PPB	
Avge	-3.177	13813.5
SDev	2.193	8.48528
%RSD	69.02	.06142

Method: TOTAL Sample Name: GC7GK Operator: KLC
Run Time: 04/02/04 20:58 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0828	335.7	1.656	-335.5	129.7	-.0167
SDev	.4188	3.979	.5811	7.376	.0245	.0086
%RSD	505.8	1.185	35.1	2.199	.0189	51.28

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	149700.	.2600	1.167	2.914	3.291	3476.
SDev	294.5	.046	.1921	.1423	.3029	6.668
%RSD	.1968	17.7	16.46	4.883	9.203	.1918

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1766.	38710.	146.2	5.092	28160.	3.768
SDev	6.712	60.31	.0956	.1791	89.28	.1328
%RSD	.38	.1558	.0654	3.517	.317	3.525

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.365	2.251	-.9528	-1.560	5.927	.0835
SDev	.588	.044	.3773	.9305	2.143	.273
%RSD	43.08	1.953	39.6	59.64	36.16	327

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	39.65	2.621	.7383	.7203	-1.788	6.330
SDev	.0827	.6543	.5549	.4436	.7872	.3371
%RSD	.2086	24.97	75.17	61.59	44.02	5.325

Elems	1960/2	*Y
Units	PPB	
Avge	.2141	13771.2
SDev	.1024	14.4957
%RSD	47.82	.10526

Method: TOTAL Sample Name: GC7GKF Operator: KLC
Run Time: 04/02/04 21:03 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4279	17.44	.6249	-325.8	127.8	-.0362
SDev	.3204	.3607	.5478	4.792	2.557	.014
%RSD	74.88	2.069	87.66	1.471	2.001	38.69

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	146500.	.1116	.8966	.1960	-.7991	2332.
SDev	3090	.1318	.0626	.0409	.5772	58.2
%RSD	2.109	118.1	6.987	20.88	72.24	2.496

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1744.	37590.	119.3	5.168	29110.	2.337
SDev	26.9	817.6	2.542	.6844	607.6	.0751
%RSD	1.542	2.175	2.132	13.24	2.087	3.213

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7589	.4287	-.1218	-2.246	2.720	-.0142
SDev	.3332	.6353	2.04	.2649	.7457	.1875
%RSD	43.91	148.2	1674	11.79	27.41	1322

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.859	.3043	.9858	.1864	-.2757	.2129
SDev	.2446	.5742	.7862	2.112	2.004	2.056
%RSD	2.481	188.7	79.75	1133	726.9	965.5

Elems	1960/2	*Y
Units	PPB	
Avge	.5365	13885.2
SDev	.0738	251.376
%RSD	13.76	1.81038

Method: TOTAL Sample Name: GC7GL Operator: KLC
Run Time: 04/02/04 21:08 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2857	126.5	29.66	-390.5	167.2	-.0009
SDev	.5158	.8843	.223	.1334	.685	.0009
%RSD	180.6	.6991	.7518	.0341	.4096	97.67

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	180400.	.1105	1.989	12.29	6.829	11660.
SDev	226.7	.137	.1338	.3581	.021	22.37
%RSD	.1257	123.9	6.729	2.914	.3071	.1919

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1738.	65500.	932.1	12.51	64910.	12.47
SDev	21.5	134.8	1.748	.7421	123.1	.3249
%RSD	1.237	.2058	.1875	5.93	.1897	2.605

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6401	-3.370	.3929	2.003	6.210	-.0915
SDev	.3867	.6155	2.087	.4967	.6264	.2845
%RSD	60.41	18.27	531.1	24.8	10.09	311.1

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	44.04	1.548	.1869	.9652	.1073	-3.545
SDev	.2611	2.257	1.707	1.129	2.565	5.203
%RSD	.5929	145.8	913.3	117	2392	146.8

Elems	1960/2	*Y
Units	PPB	
Avge	-3.282	13053
SDev	1.675	13.435
%RSD	51.03	.10292

Method: TOTAL Sample Name: GC7GLF Operator: KLC
Run Time: 04/02/04 21:13 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1450	13.36	17.84	-363.6	164.6	-.0108
SDev	.3194	2.606	1.991	.1278	.0985	.0038
%RSD	220.3	19.51	11.16	.0352	.0598	34.73

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	184000.	.2210	2.276	1.066	-.0014	8869.
SDev	146.7	.0235	.002	.1746	.0799	11
%RSD	.0797	10.62	.0863	16.38	5832	.124

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1744.	66960.	947.2	11.41	66770.	12.94
SDev	19.57	12.31	.5723	.5037	3.989	.2176
%RSD	1.122	.0184	.0604	4.416	.006	1.682

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4285	.9979	-.0645	-1.070	5.209	-.4233
SDev	.6096	.8159	1.108	1.975	3.642	.1892
%RSD	142.2	81.77	1718	184.6	69.92	44.7

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	86.00	.4951	-.8897	-.9361	.3707	1.026
SDev	.257	1.049	1.438	1.594	.8652	2.655
%RSD	.2989	211.9	161.6	170.3	233.4	258.8

Elems	1960/2	*Y
Units	PPB	
Avge	.9839	13045.2
SDev	2.549	18.7383
%RSD	259.1	.14364

Method: TOTAL Sample Name: GC7GM Operator: KLC
Run Time: 04/02/04 21:18 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2556	1347.	2.989	-336.9	153.9	.0174
SDev	.0001	6.138	.4	.8561	.7556	.0092
%RSD	.0369	.4557	13.38	.2541	.4909	52.79

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	131900.	.3051	1.761	26.38	7.327	3618.
SDev	873.9	.0524	.2545	.3215	.103	19.87
%RSD	.6627	17.16	14.45	1.219	1.406	.5492

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2364.	37750.	201.2	6.086	25870.	22.86
SDev	1.485	241.9	1.301	.2183	172.1	.2057
%RSD	.0628	.6409	.6465	3.587	.6655	.8999

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.408	-1.830	2.020	-2.057	2.532	2.754
SDev	.0923	1.456	1.415	.2252	1.389	.3484
%RSD	3.834	79.59	70.06	10.94	54.85	12.65

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	59.37	-.3645	3.792	.6185	2.719	-2.039
SDev	.3455	1.604	.6621	.9013	2.571	5.001
%RSD	.5819	439.9	17.46	145.7	94.56	245.3

Elems	1960/2	*Y
Units	PPB	
Avge	-1.725	13583.2
SDev	.3137	81.6708
%RSD	18.18	.60126

Method: TOTAL Sample Name: GC7GMF Operator: KLC
Run Time: 04/02/04 21:23 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4376	14.68	.7445	-300.3	136.6	-.0275
SDev	.1787	3.251	.8031	1.703	.5714	.0061
%RSD	40.83	22.15	107.9	.5672	.4182	22.14

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	139000.	.2353	1.032	.4394	-.4505	304.9
SDev	551.8	.0016	.0003	.0286	.4446	3.324
%RSD	.3969	.6615	.0243	6.514	98.68	1.09

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2289.	41500.	169.2	6.455	30190.	9.938
SDev	17.92	135	.5211	.3662	208	.4755
%RSD	.7827	.3252	.308	5.673	.6888	4.785

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2777	1.403	1.340	-1.795	2.810	-.1066
SDev	.3296	.6998	1.052	1.115	1.078	.0449
%RSD	118.7	49.88	78.52	62.14	38.35	42.15

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16.27	-.3870	.6095	.5828	1.718	6.398
SDev	.0094	.3834	.6856	2.093	.5321	1.856
%RSD	.0575	99.07	112.5	359.2	30.98	29.01

Elems	1960/2	*Y
Units	PPB	
Avge	-1.091	13439.2
SDev	.1224	22.2739
%RSD	11.22	.16573

Method: TOTAL Sample Name: GC7GN Operator: KLC
Run Time: 04/02/04 21:27 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2740	6.682	1.115	-459.2	38.84	-.0528
SDev	.0582	1.156	.475	4.81	.3206	.0002
%RSD	21.23	17.3	42.58	1.047	.8254	.4066

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	91820.	.1825	1.800	7.679	.7488	89.42
SDev	490.6	.1014	.1969	.086	.0285	3.714
%RSD	.5343	55.54	10.94	1.119	3.807	4.154

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4595.	39150.	21.01	23.64	42550.	8.011
SDev	2.862	236.1	.0803	.7772	233.7	.2744
%RSD	.0623	.6031	.3822	3.287	.5491	3.425

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5615	.7936	.1576	-2.224	2.826	-.2090
SDev	1.1	.5884	.7661	1.204	.7845	.4506
%RSD	195.9	74.14	486.2	54.12	27.76	215.5

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.517	-.5942	-.5452	1.656	-.5907	1.760
SDev	.0049	1.942	.6799	.899	.6997	.4089
%RSD	.0746	326.8	124.7	54.27	118.4	23.23

Elems	1960/2	*Y
Units	PPB	
Avge	.3109	13767.8
SDev	1.086	80.2566
%RSD	349.4	.58293

Method: TOTAL Sample Name: GC7GNF Operator: KLC
Run Time: 04/02/04 21:32 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.115	12.79	1.785	-435.7	41.27	-.0100
SDev	2.091	9.198	2.01	1.736	.4417	.0675
%RSD	187.5	71.91	112.6	.3985	1.07	673.9

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	97450.	.5236	1.671	1.970	2.047	23.45
SDev	924.3	.0997	1.678	1.522	1.697	34.86
%RSD	.9484	19.04	100.4	77.24	82.87	148.6

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4917.	41660.	16.61	25.86	45620.	7.829
SDev	8.075	403.7	.3887	2.606	247	.8576
%RSD	.1642	.9691	2.339	10.08	.5415	10.95

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1627	1.021	.1786	-1.469	6.148	.7412
SDev	.0031	1.481	1.731	2.246	4.043	1.427
%RSD	1.883	145.1	969.5	152.8	65.76	192.6

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.25	-.3071	.3972	-.8111	.6727	4.743
SDev	.2189	2.188	1.097	1.963	3.576	1.718
%RSD	2.135	712.4	276.1	242	531.6	36.23

Elems	1960/2	*Y
Units	PPB	
Avge	-.8372	13656.5
SDev	1.363	27.5772
%RSD	162.8	.20193

Method: TOTAL Sample Name: GC7GP Operator: KLC
Run Time: 04/02/04 21:37 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0498	292.2	4.498	-377.3	312.8	-.0141
SDev	.3187	8.627	.0279	20.5	5.822	.0031
%RSD	640.2	2.952	.6211	5.433	1.861	21.83

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	201500.	.3638	.8449	7.187	18.21	2278.
SDev	3856	.0237	.1348	.1384	.5277	47.93
%RSD	1.913	6.521	15.95	1.926	2.897	2.104

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8993.	19160.	73.91	4.600	107100.	5.844
SDev	155.5	366.5	1.477	.9827	1794	.3604
%RSD	1.729	1.913	1.999	21.36	1.675	6.166

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.032	1.369	.1448	-2.748	.0249	.0053
SDev	.3149	.3658	1.125	.5658	1.644	.2915
%RSD	10.38	26.71	777	20.59	6591	5535

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	77.22	4.160	2.469	1.729	-.6460	3.136
SDev	1.46	1.34	1.141	.9492	1.213	1.175
%RSD	1.89	32.2	46.21	54.9	187.8	37.47

Elems	1960/2	*Y
Units	PPB	
Avge	.4872	13211
SDev	1.135	192.333
%RSD	233	1.45585

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 04/02/04 21:43 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	971.2	23130.	488.6	Q4408.	1960.	2025.
SDev	2.231	87.24	4.95	15.14	3.228	7.068
%RSD	.2297	.3772	1.013	.3434	.1647	.3491

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48280.	497.3	1996.	1987.	1923.	24400.
SDev	260.6	1.995	8	8.059	2.827	118.5
%RSD	.5398	.4012	.4008	.4055	.147	.4857

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	48080.	48400.	1988.	1957.	45840.	2009.
SDev	135.6	250.7	7.766	17.68	164.2	8.835
%RSD	.282	.5178	.3907	.9037	.3581	.4397

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	496.2	485.4	477.0	4973.	978.3	1965.
SDev	1.823	1.202	5.7	20.41	5.353	7.727
%RSD	.3673	.2475	1.195	.4105	.5471	.3932

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2015.	496.1	496.3	476.8	477.2	486.5
SDev	6.919	.2993	2.583	4.067	6.515	2.321
%RSD	.3433	.0603	.5205	.8529	1.365	.4771

Elems	1960/2	*Y
Units	PPB	
Avge	484.9	13786.8
SDev	2.96	17.3241
%RSD	.6105	.12565

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 04/02/04 21:49 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4728	3.851	-.2554	Q-511.2	.1375	.1440
SDev	.7925	1.732	2.258	3.56	.0914	.0759
%RSD	167.6	44.99	884.1	.6964	66.48	52.72

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	148.1	-.0047	.2913	.3604	-1.004	4.242
SDev	3.062	.2854	.5319	.8206	.6118	4.027
%RSD	2.068	6095	182.6	227.7	60.91	94.93

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	267.0	78.77	.1874	4.491	126.4	-.4554
SDev	14	4.003	.1269	2.965	158.6	.9802
%RSD	5.245	5.082	67.69	66.02	125.5	215.3

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3405	1.369	.7577	1.891	3.203	.2512
SDev	.2929	2.591	1.693	.0283	4.174	.371
%RSD	86.02	189.3	223.4	1.499	130.3	147.7

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1902	1.410	-.1933	1.239	.5176	1.855
SDev	.1745	.7101	.7936	2.274	1.403	5.907
%RSD	91.73	50.37	410.7	183.6	271	318.4

Elems	1960/2	*Y
Units	PPB	
Avge	1.126	13496.8
SDev	.9354	208.243
%RSD	83.04	1.54291

Method: TOTAL Sample Name: GC7GPF Operator: KLC
Run Time: 04/02/04 21:54 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4168	43.60	3.971	-417.6	147.5	.0459
SDev	.0704	5.307	.2168	5.78	.425	.0168
%RSD	16.9	12.17	5.458	1.384	.2881	36.59

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	97960.	.2200	.7139	2.092	1.453	252.0
SDev	99.41	.0527	.0648	.3001	.3797	5.37
%RSD	.1015	23.94	9.074	14.35	26.12	2.131

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9286.	4381.	6.844	6.951	102300.	2.236
SDev	6.639	5.953	.0419	.2117	155.3	.264
%RSD	.0715	.1359	.6117	3.046	.1518	11.81

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2704	1.467	-.0231	-1.123	-1.542	.5035
SDev	.6735	.0013	1.935	1.487	1.596	.2741
%RSD	249.1	.0866	8376	132.4	103.5	54.44

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	27.16	.6911	.0604	-.6917	.3107	5.014
SDev	.3704	.1013	.9592	2.043	1.882	1.879
%RSD	1.364	14.66	1589	295.3	605.7	37.49

Elems	1960/2	*Y
Units	PPB	
Avge	-.3040	13722
SDev	.9402	32.5269
%RSD	309.2	.23704

Method: TOTAL Sample Name: GC7GV Operator: KLC
Run Time: 04/02/04 21:59 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2747	380.0	1.277	-286.3	59.11	.0104
SDev	.6875	2.533	.9798	.9473	.0865	.0115
%RSD	250.3	.6665	76.74	.3309	.1463	110.4

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	187500.	.0888	3.872	8.926	1.091	1828.
SDev	569.2	.0525	.0717	.6408	.1538	5.046
%RSD	.3036	59.19	1.853	7.179	14.1	.2761

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2570.	48980.	464.0	3.511	34340.	58.58
SDev	.5994	76.62	.3784	.1274	90	.317
%RSD	.0233	.1564	.0816	3.629	.2621	.5411

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.335	2.466	.8743	-2.537	7.681	1.023
SDev	.4318	.587	2.27	.7917	1.034	.0948
%RSD	32.33	23.81	259.7	31.2	13.47	9.266

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.869	.4755	1.765	.2098	1.206	6.921
SDev	.1252	1.798	1.545	.2621	3.534	.7586
%RSD	1.59	378.1	87.54	124.9	293.1	10.96

Elems	1960/2	*Y
Units	PPB	
Avge	.2413	13758.8
SDev	1.259	36.416
%RSD	521.7	.26467

Method: TOTAL Sample Name: GC7GVF Operator: KLC
Run Time: 04/02/04 22:04 Filename: I60401A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3834	2.803	.9488	-302.5	53.90	-.0261
SDev	.0002	.8512	2.416	5.049	.0085	.0041
%RSD	.0606	30.36	254.6	1.669	.0158	15.71

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	162100.	.2568	2.816	1.267	-.7862	253.1
SDev	11.5	.0024	.0668	.1583	.2209	1.484
%RSD	.0071	.9432	2.374	12.49	28.1	.5863

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2396.	42090.	355.6	3.838	33430.	60.84
SDev	5.43	11.4	.5878	1.058	44.66	.5998
%RSD	.2266	.0271	.1653	27.57	.1336	.9858

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1608	.3420	-.0427	-3.164	3.026	.1782
SDev	.1871	.5237	.1689	1.534	1.516	.1886
%RSD	116.4	153.1	395.2	48.47	50.08	105.8

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.02	-.5266	.0219	.1806	-.1543	3.072
SDev	.0571	1.831	.6335	1.713	.6021	1.193
%RSD	.4385	347.7	2898	948.6	390.3	38.84

Elems	1960/2	*Y
Units	PPB	
Avge	-1.021	13530.8
SDev	.1895	11.6673
%RSD	18.57	.08622

Method: TOTAL Sample Name: CRI\MRL Operator: KLC
Run Time: 04/02/04 22:11 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.550	207.6	14.99	Q-322.5	10.23	5.205
SDev	.6674	2.978	1.142	4.275	.0172	.0085
%RSD	12.02	1.435	7.617	1.325	.168	.164

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4952.	5.396	5.980	5.907	14.41	310.1
SDev	13.13	.034	.7076	.6634	.1099	6.124
%RSD	.2652	.6297	11.83	11.23	.7628	1.975

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4892.	4988.	15.72	11.66	4975.	26.64
SDev	35.22	2.135	.0319	.1753	38.78	.423
%RSD	.72	.0428	.203	1.504	.7794	1.588

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.50	23.31	9.649	102.5	16.13	7.218
SDev	.5626	1.619	.6689	.5382	4.193	.5482
%RSD	5.359	6.944	6.932	.5248	25.99	7.595

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	44.20	12.97	9.265	11.02	8.967	22.75
SDev	.0045	1.212	.2384	.2703	.8679	4.296
%RSD	.0101	9.347	2.573	2.453	9.679	18.88

Elems	1960/2	*Y
Units	PPB	
Avge	23.59	13707
SDev	.282	2.12132
%RSD	1.195	.01547

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 04/02/04 22:16 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1043.	25100.	527.2	4777.	2127.	2190.
SDev	4.834	102.5	1.399	13.16	9.817	11.46
%RSD	.4634	.4083	.2653	.2756	.4615	.5231

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51830.	535.5	2158.	2151.	2087.	26410.
SDev	204.4	2.525	9.917	11.15	9.711	113
%RSD	.3944	.4715	.4595	.5182	.4652	.4277

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51500.	51950.	2151.	2137.	49180.	2172.
SDev	113.4	237.4	9.892	1.313	174.9	13.01
%RSD	.2201	.4571	.4598	.0614	.3555	.5988

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	535.1	526.0	521.0	5319.	1051.	2128.
SDev	2.12	.1049	2.859	22.64	3.399	10.95
%RSD	.3961	.0199	.5487	.4257	.3234	.5145

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2176.	535.9	534.8	518.8	522.1	531.3
SDev	10.7	2.436	1.962	2.061	3.257	1.563
%RSD	.4918	.4545	.3669	.3973	.6238	.2943

Elems	1960/2	*Y
Units	PPB	
Avge	523.3	13215
SDev	.6233	77.0746
%RSD	.1191	.58323

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 04/02/04 22:22 Filename: I60401A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9617	1.961	.3455	Q-517.9	.2411	.1605
SDev	.3903	.9335	.5508	3.211	.0978	.0669
%RSD	40.58	47.61	159.4	.62	40.55	41.66

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	161.4	.1264	.6675	.3195	-.9529	18.42
SDev	21.33	.0776	.26	.2914	.0896	1.751
%RSD	13.22	61.38	38.95	91.2	9.406	9.505

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	265.9	79.77	.2850	Q5.215	89.36	-.8611
SDev	2.787	.1228	.0083	1.86	79.25	.3257
%RSD	1.048	.154	2.925	35.67	88.68	37.82

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7032	.3430	1.196	2.218	-.4976	.2473
SDev	.7958	2.423	1.649	.4381	1.118	.0126
%RSD	113.2	706.3	137.8	19.75	224.7	5.109

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3400	2.999	-.4431	2.975	.3083	-1.295
SDev	.103	2.797	.2035	.1273	2.536	3.834
%RSD	30.3	93.27	45.93	4.28	822.7	296

Elems	1960/2	*Y
Units	PPB	
Avge	1.161	13702.8
SDev	1.718	147.432
%RSD	148	1.07592

MISCELLANEOUS DATA

Metals Internal Chain of Custody

Date Prepared: 03/31/04 **Prep Analyst:** Karen Counts

Laboratory Sample ID			Lab ID	Method	Analysis Date	Analyst	Instrument
A4C300268	1		GC7F2 F	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	1		GC7F2	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	1	S	GC7F2 F	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	1	S	GC7F2	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	1	D	GC7F2 F	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	1	D	GC7F2	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	2		GC7GH F	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	2		GC7GH	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	3		GC7GK F	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	3		GC7GK	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	4		GC7GL F	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	4		GC7GL	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	5		GC7GM F	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	5		GC7GM	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	6		GC7GN F	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	6		GC7GN	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	7		GC7GP F	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	7		GC7GP	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	9		GC7GV F	SW846 6010B	04/02/04	Karen Counts	I6
A4C300268	9		GC7GV	SW846 6010B	04/02/04	Karen Counts	I6

U - Unfiltered F - Filtered T - TCLP L - SPLP East W - SPLP West

Metals Internal Chain of Custody

Date Prepared: 04/01/04 **Prep Analyst:** Karen Counts

Laboratory Sample ID		Lab ID	Method	Analysis Date	Analyst	Instrument
A4C310291	5	GC9XC F	SW846 6010B	04/01/04	Patrick OMeara	I5
A4C310291	5	GC9XC	SW846 6010B	04/01/04	Patrick OMeara	I5
A4C310291	6	GC9XE F	SW846 6010B	04/01/04	Patrick OMeara	I5
A4C310291	6	GC9XE	SW846 6010B	04/01/04	Patrick OMeara	I5
A4C310291	7	GC9XG F	SW846 6010B	04/02/04	Patrick OMeara	I5
A4C310291	7	GC9XG	SW846 6010B	04/01/04	Patrick OMeara	I5

Date Prepared: 04/02/04 **Prep Analyst:** Karen Counts

Laboratory Sample ID		Lab ID	Method	Analysis Date	Analyst	Instrument
A4D010333	2	GDDMJ F	SW846 6010B	04/02/04	Larry Williams	I5
A4D010333	2	GDDMJ	SW846 6010B	04/02/04	Larry Williams	I5
A4D010333	3	GDDMN F	SW846 6010B	04/02/04	Larry Williams	I5
A4D010333	3	GDDMN	SW846 6010B	04/02/04	Larry Williams	I5

U - Unfiltered F - Filtered T - TCLP L - SPLP East W - SPLP West

Preparation Type	Matrix	Amount of Standard added to LCS & MS/MSD		Initial Sample Vol/Wt	Final Sample Volume
		Amount	Standard name		
ICP	water	1 mL 1 mL 1.0 mL	Ag ICP-1 ICP-2A	50 mL	50 mL
ICPMS	water	0.5ml 0.5ml	ICPMS-1 ICPMS-2	50 mL	50 mL
Cd, Cr, Pb, Tl, Ag, Sb, As, Se - GFAA	water	1 mL	Graphite	50 mL	50 mL
Hg - CVAA	water	5 mL (LCS) 1 mL (MS/MSD)	HG-1 HG-1	100 mL	100 mL
Hg - CVAF (low level)	water	0.2 mL (LCS/MS/MSD)	HG ICAL	40 ml	40 ml
ICP	solid	2 mL 2 mL 2 mL	Ag ICP-1 ICP-2A	1.00 +/- .02g	100 mL
ICPMS	solid	1ml 1ml	ICPMS-1 ICPMS-2	1.00 +/- .02g	100ml
As, Se, Cd, Cr, Pb, Tl, Ag, Sb - GFAA	solid	2 mL	Graphite	1.00 +/- .02g	100 mL
Hg - CVAA	solid	5 mL (LCS) 1 mL (MS/MSD)	HG-1 HG-1	0.60 +/- .01g	100 mL
ICP	TCLP	1 mL (LCS) 1 mL(LCS)	Ag ICP-1	50 mL	50 mL
ICP	TCLP	0.5 mL(MS/MSD)	TCLP Spike I RCRA	50 mL	50 mL
ICP	TCLP	1 mL(MS/MSD)	TCLP Spike II Non-RCRA	50 mL	50 mL
Hg - CVAA	TCLP	5 mL (LCS) 5 mL (MS/MSD)	HG-1 HG-1	100 mL	100 mL

Mercury Standards Preparation			
Final Concentration	Spiking Standard		
	Amount	Standard	Concentration
Calibration Standards:			
0.0002 ppm	0.2 mL	HG-2	0.1 ppm
0.0005 ppm	0.5 mL	HG-2	0.1 ppm
0.001 ppm	1 mL	HG-2	0.1 ppm
0.005 ppm	5 mL	HG-2	0.1 ppm
0.010 ppm	10 mL	HG-2	0.1 ppm
ICV Preparation			
0.0025 ppm	2.5 mL	HG-1	0.1 ppm
CCV Preparation:			
0.005 ppm	5 mL	HG-2	0.1 ppm

Low Level Mercury Standards Preparation			
Final Concentration	Spiking Standard		
	Amount	Standard	Concentration
Calibration Standards:			
0.5 ppt	20 ul	HG ICAL	1.0 ppb
1.0 ppt	40 ul	HG ICAL	1.0 ppb
2 ppt	80 ul	HG ICAL	1.0 ppb
5 ppt	200 ul	HG ICAL	1.0 ppb
10 ppt	400 ul	HG ICAL	1.0 ppb
25 ppt	1000 ul	HG ICAL	1.0 ppb
ICV Preparation			
5 ppt	200 ul	HG ICV	1.0 ppb
CCV Preparation:			
5 ppt	200 ul	HG ICAL	1.0 ppb

STL North Canton
Revised 4/2/02
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SPIKING STANDARD DEFINITIONS

Elements	Ag	ICP-1	ICP-2A	ICPMS-1	ICPMS-2	GFAA	HG-1	HG-2	HG ICAL	HG ICV	TCLP Spike I	TCLP Spike II
Ag	2.5 ppm			10ppm		0.25 ppm					100 ppm	
Al		100 ppm			100ppm							100 ppm
As		100 ppm		10ppm		2.0 ppm					500 ppm	
Ba		100 ppm		10ppm							5000 ppm	
Be		2.5 ppm		10ppm								2.5 ppm
Cd		2.5 ppm		10ppm		0.2 ppm					100 ppm	
Ca			2500 ppm		100ppm							
Co		25 ppm		10ppm								25 ppm
Cr		10 ppm		10ppm		0.5 ppm					500 ppm	
Cu		12.5 ppm		10ppm								12.5 ppm
Fe		50 ppm			100ppm							50 ppm
Hg							0.1 ppm	0.1 ppm	1.0 ppb	1.0 ppb		
K			2500 ppm		100ppm							
Mg			2500 ppm		100ppm							
Mn		25 ppm		10ppm								25 ppm
Na			2500 ppm		100ppm							
Ni		25 ppm		10ppm								25 ppm
Pb		25 ppm		10ppm		2.0 ppm					500 ppm	
Sb		25 ppm		10ppm		2.0 ppm						25 ppm
Se		100 ppm		10ppm		2.0 ppm					100 ppm	
Tl		100 ppm		10ppm		2.0 ppm						100 ppm
V		25 ppm		10ppm								25 ppm
Zn		25 ppm		10ppm								25 ppm
B		50 ppm		10ppm								50 ppm
Sr		50 ppm		10ppm								
Mo		50 ppm		10ppm								50 ppm
W		50 ppm		10ppm								
Sn		100 ppm		10ppm								100 ppm
Zr		50 ppm		10ppm								
Ti		50 ppm		10ppm								

STL North Canton
Revised 4/5/02
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DATE: 3.31.04

METALS PREPARATION REAGENTS

Reagents listed on this form are used for the entire day's prep batches unless otherwise noted on the individual prep log.

REAGENT NAME	REAGENT NUMBER
1:1 HNO_3 (nitric acid)	4MR207
1:1 HCl (hydrochloric acid)	4MR192
HNO_3 (nitric acid)	4MR162
HCl (hydrochloric acid)	4MR163
$KMnO_4$ (potassium permanganate)	4MR183
$K_2S_2O_8$ (potassium persulfate)	4MR184
H_2O_2 (hydrogen peroxide)	4MR181
H_2SO_4 (sulfuric acid)	4MR156
HCl/HNO_3 (aqua regia)	4MR208

Waters

Hg time in the water bath 11:30am

Hg time out of the water bath 1:30pm

Solids

Hg time in the water bath 10:55am

Hg time out of the water bath 11:25am

Times listed are for the waters and solids for that day unless otherwise noted.

STL North Canton
Revision Date: 12/06/01
n:\metals\reagent1.doc

DATE: 4.1.04

METALS PREPARATION REAGENTS

Reagents listed on this form are used for the entire day's prep batches unless otherwise noted on the individual prep log.

REAGENT NAME	REAGENT NUMBER
1:1 HNO_3 (nitric acid)	4MR210
1:1 HCl (hydrochloric acid)	4MR192
HNO_3 (nitric acid)	4MR202
HCl (hydrochloric acid)	4MR191
$KMnO_4$ (potassium permanganate)	4MR183
$K_2S_2O_8$ (potassium persulfate)	4MR184
H_2O_2 (hydrogen peroxide)	4MR181
H_2SO_4 (sulfuric acid)	4MR156
HCl/HNO_3 (aqua regia)	4MR211

Waters

Hg time in the water bath 9:00 am

Hg time out of the water bath 11:00 am

Solids

Hg time in the water bath 12:10 pm

Hg time out of the water bath 12:40 pm

Times listed are for the waters and solids for that day unless otherwise noted.

STL North Canton
Revision Date: 12/06/01
n:\metals\reagent1.doc

DATE: 4.2.04

METALS PREPARATION REAGENTS

Reagents listed on this form are used for the entire day's prep batches unless otherwise noted on the individual prep log.

REAGENT NAME	REAGENT NUMBER
1:1 HNO_3 (nitric acid)	4MR212
1:1 HCl (hydrochloric acid)	4MR192
HNO_3 (nitric acid)	4MR202
HCl (hydrochloric acid)	4MR191
$KMnO_4$ (potassium permanganate)	4MR183
$K_2S_2O_8$ (potassium persulfate)	4MR184
H_2O_2 (hydrogen peroxide)	4MR181
H_2SO_4 (sulfuric acid)	4MR156
HCl/HNO_3 (aqua regia)	4MR213

Waters

Hg time in the water bath 1:25pm

Hg time out of the water bath 3:25pm

Solids

Hg time in the water bath 12:50pm

Hg time out of the water bath 1:20pm

Times listed are for the waters and solids for that day unless otherwise noted.

STL North Canton
Revision Date: 12/06/01
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GENERAL CHEMISTRY DATA

QC SUMMARY

METHOD BLANK REPORT

General Chemistry

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: GDC4V1AA		MB Lot-Sample #:	A4C310000-275	
	ND	4.0	mg/L	MCAWW 160.2	03/31-04/01/04	4091275
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: GDE851AA		MB Lot-Sample #:	A4D010000-459	
	ND	4.0	mg/L	MCAWW 160.2	04/01-04/02/04	4092459
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: GDMNH1AA		MB Lot-Sample #:	A4D050000-519	
	ND	4.0	mg/L	MCAWW 160.2	04/05-04/06/04	4096519
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: GDC4V1AC	LCS Lot-Sample#: A4C310000-275		
	91	(66 - 119)	MCAWW 160.2	03/31-04/01/04	4091275
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: GDE851AC	LCS Lot-Sample#: A4D010000-459		
	91	(66 - 119)	MCAWW 160.2	04/01-04/02/04	4092459
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: GDMNH1AC	LCS Lot-Sample#: A4D050000-519		
	98	(66 - 119)	MCAWW 160.2	04/05-04/06/04	4096519
		Dilution Factor: 1			

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: 4C30268 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids			Work Order #: GDC4V1AC		LCS Lot-Sample#: A4C310000-275		
	48	44	mg/L	91	MCAWW 160.2	03/31-04/01/04	4091275
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: GDE851AC		LCS Lot-Sample#: A4D010000-459		
	48	44	mg/L	91	MCAWW 160.2	04/01-04/02/04	4092459
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: GDMNH1AC		LCS Lot-Sample#: A4D050000-519		
	48	47	mg/L	98	MCAWW 160.2	04/05-04/06/04	4096519
			Dilution Factor: 1				

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4C300268 **Work Order #...:** GC601-SMP GC601-DUP **Matrix.....:** WATER

Date Sampled...: 03/30/04 08:19 **Date Received..:** 03/30/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #:	A4C300194-001	
	19	21	mg/L	10	(0-20)	MCAWW 160.2	03/31-04/01/04	4091275

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4C300268 **Work Order #...:** GC610-SMP GC610-DUP **Matrix.....:** WATER

Date Sampled...: 03/30/04 07:00 **Date Received..:** 03/30/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #:	A4C300199-001	
	ND	ND	mg/L	0	(0-20)	MCAWW 160.2	03/31-04/01/04	4091275

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4C300268 **Work Order #...:** GC8VL-SMP GC8VL-DUP **Matrix.....:** WATER

Date Sampled...: 03/31/04 **Date Received..:** 03/31/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: A4C310145-001		
	ND	ND	mg/L	0	(0-20)	MCAWW 160.2	04/01-04/02/04	4092458

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4C300268 **Work Order #...:** GC9WM-SMP GC9WM-DUP **Matrix.....:** WATER

Date Sampled...: 03/30/04 08:20 **Date Received..:** 03/31/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #:	A4C310289-001	
	ND	ND	mg/L	0.0	(0-20)	MCAWW 160.2	04/01-04/02/04	4092458

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4C300268 **Work Order #...:** GDCHH-SMP GDCHH-DUP **Matrix.....:** WATER

Date Sampled...: 03/31/04 13:00 **Date Received..:** 04/01/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: A4D010200-001		
	ND	ND	mg/L	0	(0-20)	MCAWW 160.2	04/05-04/06/04	4096519

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4C300268 **Work Order #...:** GDFNA-SMP GDFNA-DUP **Matrix.....:** WATER

Date Sampled...: 04/01/04 12:55 **Date Received..:** 04/02/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #:	A4D020251-002	
	6.0	8.0	mg/L	29	(0-20)	MCAWW 160.2	04/05-04/06/04	4096519

Dilution Factor: 1

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: MW44/032904

General Chemistry

Lot-Sample #...: A4C300268-001 **Work Order #...:** GC7F2 **Matrix.....:** WG
Date Sampled...: 03/29/04 10:48 **Date Received..:** 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	**76**	**4.0**	**mg/L**	**MCAWW 160.2**	**03/31-04/01/04**	**4091275**

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW24/032904

General Chemistry

Lot-Sample #...: A4C300268-002 **Work Order #...:** GC7GH **Matrix.....:** WG
Date Sampled...: 03/29/04 10:20 **Date Received..:** 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	03/31-04/01/04	4091275

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW31D/032904

General Chemistry

Lot-Sample #...: A4C300268-003 **Work Order #...:** GC7GK **Matrix.....:** WG
Date Sampled...: 03/29/04 15:25 **Date Received..:** 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	**32**	**4.0**	**mg/L**	**MCAWW 160.2**	**03/31-04/01/04**	**4091275**

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW31A/032904

General Chemistry

Lot-Sample #...: A4C300268-004 **Work Order #...:** GC7GL **Matrix.....:** WG
Date Sampled...: 03/29/04 15:07 **Date Received..:** 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	**20**	**4.0**	**mg/L**	**MCAWW 160.2**	**03/31-04/01/04**	**4091275**

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW30/032904

General Chemistry

Lot-Sample #...: A4C300268-005 **Work Order #...:** GC7GM **Matrix.....:** WG
Date Sampled...: 03/29/04 14:15 **Date Received..:** 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	**97**	**4.0**	**mg/L**	**MCAWW 160.2**	**03/31-04/01/04**	**4091275**

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW15B/032904

General Chemistry

Lot-Sample #...: A4C300268-006 **Work Order #...:** GC7GN **Matrix.....:** WG
Date Sampled...: 03/29/04 10:40 **Date Received..:** 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	03/31-04/01/04	4091275

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW31C/032904

General Chemistry

Lot-Sample #...: A4C300268-007 **Work Order #...:** GC7GP **Matrix.....:** WG
Date Sampled...: 03/29/04 15:35 **Date Received..:** 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	**320**	**4.0**	**mg/L**	**MCAWW 160.2**	**03/31-04/01/04**	**4091275**

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: DUP01/032904

General Chemistry

Lot-Sample #...: A4C300268-009 **Work Order #...:** GC7GV **Matrix.....:** WQ
Date Sampled...: 03/29/04 **Date Received..:** 03/30/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	**70**	**4.0**	**mg/L**	**MCAWW 160.2**	**03/31-04/01/04**	**4091275**

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW504/033004

General Chemistry

Lot-Sample #...: A4C310291-003 **Work Order #...:** GC9W7 **Matrix.....:** WG
Date Sampled...: 03/30/04 12:45 **Date Received..:** 03/31/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	**7.0**	**4.0**	**mg/L**	**MCAWW 160.2**	**04/01-04/02/04**	**4092459**

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW-43A/033004

General Chemistry

Lot-Sample #...: A4C310291-005 **Work Order #...:** GC9XC **Matrix.....:** WG
Date Sampled...: 03/30/04 10:28 **Date Received..:** 03/31/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	**18**	**4.0**	**mg/L**	**MCAWW 160.2**	**04/01-04/02/04**	**4092459**

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW-18/033004

General Chemistry

Lot-Sample #...: A4C310291-006 **Work Order #...:** GC9XE **Matrix.....:** WG
Date Sampled...: 03/30/04 10:00 **Date Received..:** 03/31/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	**110**	**4.0**	**mg/L**	**MCAWW 160.2**	**04/01-04/02/04**	**4092459**

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: P-1/033004

General Chemistry

Lot-Sample #...: A4C310291-007 **Work Order #...:** GC9XG **Matrix.....:** WG
Date Sampled...: 03/30/04 08:52 **Date Received..:** 03/31/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	04/01-04/02/04	4092459

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW-8/033104

General Chemistry

Lot-Sample #...: A4D010333-002 **Work Order #...:** GDDMJ **Matrix.....:** WG
Date Sampled...: 03/31/04 10:55 **Date Received..:** 04/01/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	**140**	**4.0**	**mg/L**	**MCAWW 160.2**	**04/05-04/06/04**	**4096519**

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW-23/033104

General Chemistry

Lot-Sample #...: A4D010333-003 **Work Order #...:** GDDMN **Matrix.....:** WG
Date Sampled...: 03/31/04 10:00 **Date Received..:** 04/01/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	**25**	**4.0**	**mg/L**	**MCAWW 160.2**	**04/05-04/06/04**	**4096519**

Dilution Factor: 1

SUPPORTIVE RAW DATA

Parameter(s): TSS

Batch(es): 4091275

Method #/SOP#: 160.2

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

Comment on any "NO" response(s):

Level I reviewer: [signature] **Date:** 4/1/04

Level II Reviewer: [signature] **Date:** 4/2/04

Level I review:

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

STL
North Canton, OH
TDS/TSS Logsheet

Analysis:	TSS								
Prep Date:	3/31/04		wt 2. date:	4/1/04		Batch:	~~40912754~~	4091275	
Time In:	11AM		Time out:	12:15					
Temp in:	104		Temp out:	104		LCS No.	P101506		
						LCS Prep:	3/31/04		
wt 1. date:	4/1/04		wt 3. date:				TV=~~48.23~~	48.2	
Time out:	8AM		Time out:			Analyst:	LFH		
Temp out:	~~179~~ 104		Temp out:						

Sample No.	Tare wt (g)	Sample (ml)	wt 1. (g)	wt 2. (g)	wt 3. (g)	Final wt (g)	diff (g)	Result mg/L	Conductivity Screen	Take Third Weight
BLK	0.1126	100	0.1125	0.1124		0.1124	-0.0002	-2	NA	
LCS	0.1132	100	0.1178	0.1176		0.1176	0.0044	44	NA	
GC610 1RD	0.1134	100	0.1133	0.1132		0.1132	-0.0002	-2		
GC610 X	0.1125	100	0.1124	0.1124		0.1124	-0.0001	-1		
GC6X6	0.1112	100	0.1114	0.1113		0.1113	0.0001	1		
GC60T	0.1122	100	0.1130	0.1129		0.1129	0.0007	7		
GC7F2	0.1113	100	0.1191	0.1189		0.1189	0.0076	76		
GC7GH	0.1126	100	0.1126	0.1125		0.1125	-0.0001	-1		
GC7GK	0.1153	100	0.1185	0.1185		0.1185	0.0032	32		
GC7GL	0.1131	100	0.1151	0.1153		0.1151	0.002	20		
GC7GM	0.1131	100	0.1228	0.1228		0.1228	0.0097	97		
GC7GN	0.1122	100	0.1119	0.1119		0.1119	-0.0003	-3		
GC7GP	0.112	100	0.1440	0.1441		0.1440	0.032	320		
GC7GV	0.1116	100	0.1186	0.1186		0.1186	0.007	70		
GC601 1RC	0.1129	100	0.1149	0.1148		0.1148	0.0019	19		
GC601 X	0.1136	100	0.1157	0.1158		0.1157	0.0021	21		
GC680	0.1142	100	0.1155	0.1157		0.1155	0.0013	13		

Parameter(s): TSS

Batch(es): 4092458 /59

Method #/SOP#: 160.2

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

Comment on any "NO" response(s):

Level I reviewer: [signature] Date: 4/2/04

Level II Reviewer: Angela Dura Date: 4/2/04

Level I review:

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

STL
North Canton, OH
TDS/TSS Logsheet

Analysis:	TSS						
Prep Date:	4/1/04	wt 2. date:	4/2/04		Batch:	4092458/59	MS Run# 4093132
Time in:	11:00	Time out:	11AM				
Temp in:	103	Temp out:	104		LCS No.	P099507	
					LCS Prep:	4/1/04	
wt 1. date:	4/2/04	wt 3. date:				TV=48.2	
Time out:	7:30 AM	Time out:			Analyst:	LFH	
Temp out:	104	Temp out:					

Sample No.	Tare wt (g)	Sample (ml)	wt 1. (g)	wt 2. (g)	wt 3. (g)	Final wt (g)	diff (g)	Result mg/L	Conductivity Screen	Take Third Weight
BLK	0.1077	100	0.1075	0.1075		0.1075	-0.0002	-2	NA	
LCS	0.1075	100	0.1120	0.1119		0.1119	0.0044	44	NA	
GC8VL	0.1047	100	0.1045	0.1045		0.1045	-0.0002	-2		
GC8VL X	0.106	100	0.1060	0.1059		0.1059	-0.0001	-1		
GC9F8	0.1124	100	0.1125	0.1126		0.1125	0.0001	1		
GC8WJ	0.1092	5	0.2457	0.2452		0.2452	0.136	27200		
GC8WN	0.1062	5	0.2440	0.2437		0.2437	0.1375	27500		
GC8WP	0.1076	100	0.1135	0.1134		0.1134	0.0058	58		
GC8WQ	0.1115	100	0.1135	0.1134		0.1134	0.0019	19		
GC8WR	0.1118	100	0.1137	0.1138		0.1137	0.0019	19		
GC8W9	0.1128	100	0.1144	0.1147		0.1144	0.0016	16		
GC8XK	0.1119	100	0.1122	0.1126		0.1122	0.0003	3		
GC82M	0.1125	100	0.1126	0.1126		0.1126	0.0001	1		
GC82T	0.1116	100	0.1115	0.1115		0.1115	-0.0001	-1		
GC9JG	0.1115	100	0.1232	0.1233		0.1232	0.0117	117		
GC9WM	0.1118	100	0.1126	0.1124		0.1124	0.0006	6		
GC9WM X	0.112	100	0.1127	0.1126		0.1126	0.0006	6		
GC9W7	0.114	100	0.1147	0.1149		0.1147	0.0007	7		
GC9XC	0.1133	100	0.1151	0.1151		0.1151	0.0018	18		
GC9XE	0.1119	100	0.1225	0.1226		0.1225	0.0106	106		
GC9XG	0.1084	100	0.1084	0.1084		0.1084	0	0		

Parameter(s): [illegible]

Batch(es): 4096519/20

Method #/SOP#: 160.2

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

Comment on any "NO" response(s): D91 & D9V were logged in exp

Level I reviewer: CC Date: 4/6/04

Level II Reviewer: [illegible] Date: 4/7/04

Level I review:

STL
North Canton, OH
TDS/TSS Logsheet

Analysis: TSS

Prep Date:	4/5/04	wt 2. date:	4/6/04	Batch:	4096519/20
Time in:	12:30	Time out:	2:00		
Temp in:	103 C	Temp out:	103	LCS No.	P099507
				LCS Prep:	4/5/04
wt 1. date:	4/6/04	wt 3. date:			TV=48.2
Time out:	9:30 AM	Time out:		Analyst:	OC
Temp out:	103 C	Temp out:			

Sample No.	Tare wt (g)	Sample (ml)	wt 1. (g)	wt 2. (g)	wt 3. (g)	Final wt (g)	diff (g)	Result mg/L	Conductivity Screen	Take Third Weight
BLK	0.1074	100	0.1074	0.1073		0.1073	-1E-04	-1	NA	
LCS	0.1077	100	0.1126	0.1124		0.1124	0.0047	47	NA	
GDD91	0.1068	100	0.1319	0.1315		0.1315	0.0247	247		
GDD9V	0.1089	100	0.1302	0.1301		0.1301	0.0212	212		
GC8WV	0.1078	5	0.2480	0.2461	0.2466	0.2461	0.1383	27660		Yes
GC8W0	0.108	5	0.2602	0.2589	0.2588	0.2588	0.1508	30160		Yes
GC8W1	0.1076	5	0.1513	0.1507	0.1509	0.1507	0.0431	8620		Yes
GC8W2	0.1087	5	0.1476	0.1473		0.1473	0.0386	7720		
GC8W3	0.1077	100	0.1104	0.1103		0.1103	0.0026	26		
GC8W4	0.1082	100	0.1140	0.1137		0.1137	0.0055	55		
GC9F5	0.1059	100	0.1076	0.1073		0.1073	0.0014	14		
GDCE1	0.1088	100	0.1097	0.1094		0.1094	0.0006	6		
GDCHH	0.1074	100	0.1074	0.1074		0.1074	0	0		
GDCHH X	0.1095	100	0.1094	0.1094		0.1094	-0.0001	-1		
GDCVQ	0.1093	100	0.1123	0.1120		0.1120	0.0027	27		
GDDMJ	0.1055	100	0.1202	0.1199		0.1199	0.0144	144		
GDDMN	0.1085	100	0.1112	0.1110		0.1110	0.0025	25		
GDFT0	0.1082	100	0.1099	0.1096		0.1096	0.0014	14		
GDFT5	0.1077	100	0.1083	0.1080		0.1080	0.0003	3		
GDFNA	0.1085	100	0.1094	0.1091		0.1091	0.0006	6		
GDFNA X	0.106	100	0.1071	0.1068		0.1068	0.0008	8		
GDFPG	0.1069	100	0.1072	0.1069		0.1069	0	0		
GDFPQ	0.1071	100	0.1083	0.1081		0.1081	0.001	10		
GDF04	0.1063	100	0.1250	0.1245		0.1245	0.0182	182		
						0.0000	0	#DIV/0!		
BLK 2	0.1069	100	0.1071	0.1069		0.1069	0	0		
LCS 2	0.1082	100	0.1132	0.1128		0.1128	0.0046	46		
GDFA9	0.107	5	0.2513	0.2500	0.2503	0.2500	0.143	28600		Yes
GDFCC	0.109	5	0.2602	0.2588	0.2585	0.2585	0.1495	29900		Yes
GDFCD	0.1082	5	0.1433	0.1430		0.1430	0.0348	6960		
GDFCF	0.109	5	0.1412	0.1409		0.1409	0.0319	6380		
GDFCG	0.108	100	0.1118	0.1114		0.1114	0.0034	34		
GDFCH	0.1072	100	0.1098	0.1096		0.1096	0.0024	24		
GDF00	0.108	100	0.1301	0.1300		0.1300	0.022	220		
GDF00 X	0.1053	100	0.1253	0.1254		0.1253	0.02	200		

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A4C300268	1		GC7F21A8	Solids, Total Suspended "TSS" (160.2)	03/31/04	Loren Hazelwood	04/01/04	Loren Hazelwood
A4C300268	2		GC7GH1AE	Solids, Total Suspended "TSS" (160.2)	03/31/04	Loren Hazelwood	04/01/04	Loren Hazelwood
A4C300268	3		GC7GK1AE	Solids, Total Suspended "TSS" (160.2)	03/31/04	Loren Hazelwood	04/01/04	Loren Hazelwood
A4C300268	4		GC7GL1AE	Solids, Total Suspended "TSS" (160.2)	03/31/04	Loren Hazelwood	04/01/04	Loren Hazelwood
A4C300268	5		GC7GM1AE	Solids, Total Suspended "TSS" (160.2)	03/31/04	Loren Hazelwood	04/01/04	Loren Hazelwood
A4C300268	6		GC7GN1AE	Solids, Total Suspended "TSS" (160.2)	03/31/04	Loren Hazelwood	04/01/04	Loren Hazelwood
A4C300268	7		GC7GP1AE	Solids, Total Suspended "TSS" (160.2)	03/31/04	Loren Hazelwood	04/01/04	Loren Hazelwood
A4C300268	9		GC7GV1AE	Solids, Total Suspended "TSS" (160.2)	03/31/04	Loren Hazelwood	04/01/04	Loren Hazelwood

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A4C310291	3		GC9W71AC	Solids, Total Suspended "TSS" (160.2)	04/01/04	Loren Hazelwood	04/02/04	Loren Hazelwood
A4C310291	5		GC9XC1AM	Solids, Total Suspended "TSS" (160.2)	04/01/04	Loren Hazelwood	04/02/04	Loren Hazelwood
A4C310291	6		GC9XE1AM	Solids, Total Suspended "TSS" (160.2)	04/01/04	Loren Hazelwood	04/02/04	Loren Hazelwood
A4C310291	7		GC9XG1AM	Solids, Total Suspended "TSS" (160.2)	04/01/04	Loren Hazelwood	04/02/04	Loren Hazelwood

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A4D010333	2		GDDMJ1AM	Solids, Total Suspended "TSS" (160.2)	04/05/04	Olguita Colon	04/06/04	Olguita Colon
A4D010333	3		GDDMN1AM	Solids, Total Suspended "TSS" (160.2)	04/05/04	Olguita Colon	04/06/04	Olguita Colon

END OF REPORT