TABLE OF CONTENTS - LOT# F6K280244

COVER PAGE 1
CHAIN OF CUSTODY 3
VOLATILES..... 26

TOTAL # OF PAGES IN PACKAGE 410

SEVERN TRENT STL

STL St. Louis
13715 Rider Trail North
Earth City, MO 63045

Tel: 314 298 8566 Fax: 314 298 8757
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. DPT SAMPLES

F05-005

Lot #: F6K280244
SDG #: W05057

Rochelle Holm

Vista Engineering Technologies
8203 West Quinault Drive
Bldg C, Suite 200
Kennewick, WA 99336

SEVERN TRENT LABORATORIES, INC.

for
Melania Harris
Project Manager

December 14, 2006

Case Narrative
Lot Number: **F6K280244**
SDG: **W05057**

This report contains the analytical results for the sample received under chain of custody by STL St. Louis on November 28, 2006. This sample is associated with your F05-005 project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by STL St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

Observations/Nonconformances
Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

Volatiles Method: 8260B
Batch: 6335214
The LCS recoveries are outside QC limits for less than 10% of the compounds spiked. Laboratory QC practices, based on federal guidance documents, allow for up to 10% of the spike compounds to be outside QC criteria without necessitating re-preparation/re-analysis. Sample purge efficiency and compliance is demonstrated by the remaining acceptable LCS recoveries.

The MSD recovery and RPD Iodomethane are outside QC limits. This analyte is not a target analyte. The MS/MSD RPD for three additional compounds are outside QC limits; however, their recoveries in the MS/MSD are acceptable.
Affected Samples:
F6K280244 (1): B1LB37

Batch: 6346526
The associated sample was analyzed at a dilution due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run.

The LCS recoveries are outside QC limits for less than 10% of the compounds spiked. Laboratory QC practices, based on federal guidance documents, allow for up to 10% of the spike compounds to be outside QC criteria without necessitating re-preparation/re-analysis. Sample purge efficiency and compliance is demonstrated by the remaining acceptable LCS recoveries.
Affected Samples:
F6K280244 (1): B1LB37

LOT# F6K280244

STL ST. LOUIS

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F05-005-076	PAGE 1 OF 1
COLLECTOR HULSE, KB	COMPANY CONTACT TRENT, SJ CR5,50	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 7H AIR QUALITY ☐
SAMPLING LOCATION 299-W15-6	PROJECT DESIGNATION Vista Engineering Technologies DNAPL Groundwater Sampling		SAF NO. F05-005	DATA TURNAROUND 30 Days / 30 Days
ICE CHEST NO. SM1 443	FIELD LOGBOOK NO.	COA	METHOD OF SHIPMENT Gov. Vehicle	
SHIPPED TO Severn Trent St. Louis	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A 7985 5092 9629	

MATRIX*
OL = OTHER LIQUID
OS = OTHER SOLID
S = SOIL
W = WATER

SPECIAL HANDLING AND/OR STORAGE

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SAMPLE NO.	LAB ID	MATRIX*	SAMPLE DATE	SAMPLE TIME	NO./TYPE CONTAINER(S)	ANALYSIS	PRESERVATION
B1LB37		W	11/27/06	1155	4X40mL aGs*	VOA - 8260B (TCL); 4X VIALS	HCl or H2SO4 to pH <2/Cool 4C
B1LB37		W	11/27/06	1155	1X20mL P	Activity Scan; VIALS	None

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
KB Hulse KB Hulse	11/27/06 1400	FED EX Carlos Bulgu	11-28-06	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

STL St. Louis

Lot #(s): F6K280244

- 5150 -

Condition Upon Receipt Form

Client: Dynate
Quote No: 7119
COC/RFA No: F05-005-07
Initiated By: CY
Date: 11-28-06
Time: 9AM

Shipping Information

Shipper Name:
Shipping # (s):*

1. 7986 8098 9629
2.
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages Y (N) N/A

Sample Temperature (s):**

1. 2°C
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y (N)	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	Y N (N/A)	Was sample received with proper pH[1] ? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of the cooler frisked after opening	14.	Y N NA	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

Corrective Action:

- ☐ Client Contact Name: Informed by:
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: If released, notify:

Project Management Review: K. Ou Date: 12-01-06

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 03/01/06\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004030106.doc

F6K280244

CLIENT ANALYSIS SUMMARY

Storage Loc: **HANFORD**

Date Received: 2006-11-28
Analytical Due Date: 2006-12-12
Report Due Date: 2006-12-12

Project Manager: MLH Quote #: 71190 SDG: W05057
Project: DPT SAMPLES F05-005
PO#: Report to: Rochelle Holm
Client: 1379209 Vista Engineering Technologies, LLC #SMPS in LOT: 0

Report Type: D Expanded Deliverable
EDD Code: FEADII

Sample Receipt Confirmation Required Log in QC on client samples. NEEDS SDG Number assigned by PM. (W0#)

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	I
1	B1LB37			2006-11-27 / 1155	JKE9P	WATER

SAMPLE COMMENTS:

	XX	QK	SW846	8260B	Volatile Organics, GC/MS (8260B)	15	PURGE AND TRAP - 5 mL purge	01	STANDARD TEST SET	PROT: A	WRK LOC	06	TIC: Y
	XX	ZV		RAD SCREEN	RAD SCREEN	RA	IN-HOUSE RAD SCREEN	01	STANDARD TEST SET	PROT: A	WRK LOC	06	
D	XX	QK	SW846	8260B	Volatile Organics, GC/MS (8260B)	15	PURGE AND TRAP - 5 mL purge	01	STANDARD TEST SET	PROT: A	WRK LOC	06	TIC: Y
S	XX	QK	SW846	8260B	Volatile Organics, GC/MS (8260B)	15	PURGE AND TRAP - 5 mL purge	01	STANDARD TEST SET	PROT: A	WRK LOC	06	TIC: Y

METHODS SUMMARY

F6K280244

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

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

SAMPLE SUMMARY

F6K280244

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JKE9P	001	B1LB37	11/27/06	11:55

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.

Vista Engineering Technologies, LLC

Client Sample ID: B1LB37

GC/MS Volatiles

Lot-Sample #...: F6K280244-001 **Work Order #...:** JKE9P1AC **Matrix.....:** WATER
Date Sampled...: 11/27/06 11:55 **Date Received..:** 11/28/06
Prep Date.....: 11/30/06 **Analysis Date..:** 11/30/06
Prep Batch #...: 6335214 **Analysis Time..:** 23:44
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	20	ug/L	3.8
Benzene	ND	5.0	ug/L	0.17
Bromodichloromethane	ND	5.0	ug/L	0.33
Bromoform	ND	5.0	ug/L	0.24
Bromomethane	ND	10	ug/L	0.31
2-Butanone	ND	20	ug/L	1.4
Carbon disulfide	ND	5.0	ug/L	0.55
Chlorobenzene	ND	5.0	ug/L	0.12
Dibromochloromethane	ND	5.0	ug/L	0.29
Chloroethane	ND	10	ug/L	0.35
Chloroform	**14**	**5.0**	**ug/L**	**0.14**
Chloromethane	ND	10	ug/L	0.44
1,1-Dichloroethane	ND	5.0	ug/L	0.95
1,2-Dichloroethane	ND	5.0	ug/L	0.44
1,1-Dichloroethene	ND	5.0	ug/L	0.55
1,2-Dichloroethene (total)	ND	10	ug/L	0.54
1,2-Dichloropropane	ND	5.0	ug/L	0.37
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.73
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.19
2-Hexanone	ND	20	ug/L	0.28
Methylene chloride	ND	5.0	ug/L	2.5
4-Methyl-2-pentanone	ND	20	ug/L	1.6
Styrene	ND	5.0	ug/L	1.2
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.14
Tetrachloroethene	**0.64 J**	**5.0**	**ug/L**	**0.27**
Toluene	**0.21 J**	**5.0**	**ug/L**	**0.13**
1,1,1-Trichloroethane	ND	5.0	ug/L	0.15
1,1,2-Trichloroethane	ND	5.0	ug/L	0.28
Trichloroethene	**6.4**	**5.0**	**ug/L**	**0.36**
Vinyl chloride	ND	5.0	ug/L	0.24
Xylenes (total)	ND	10	ug/L	0.86

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(68 - 133)
Dibromofluoromethane	107	(74 - 129)
1,2-Dichloroethane-d4	98	(69 - 132)
4-Bromofluorobenzene	98	(64 - 130)

(Continued on next page)

Vista Engineering Technologies, LLC

Client Sample ID: B1LB37

GC/MS Volatiles

Lot-Sample #...: F6K280244-001 **Work Order #...:** JKE9P1AC **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

Vista Engineering Technologies, LLC

Client Sample ID: B1LB37

GC/MS Volatiles

Lot-Sample #...: F6K280244-001 **Work Order #...:** JKE9P2AC **Matrix.....:** WATER
Date Sampled...: 11/27/06 11:55 **Date Received..:** 11/28/06
Prep Date.....: 12/11/06 **Analysis Date..:** 12/11/06
Prep Batch #...: 6346526 **Analysis Time..:** 19:12
Dilution Factor: 20

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**2400 D**	**100**	**ug/L**	**18**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(68 - 133)
Dibromofluoromethane	111	(74 - 129)
1,2-Dichloroethane-d4	118	(69 - 132)
4-Bromofluorobenzene	107	(64 - 130)

NOTE(S):

D Result was obtained from the analysis of a dilution.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JKL3J1AA **Matrix.....:** WATER
MB Lot-Sample #: F6L010000-214

Prep Date.....: 11/30/06 **Analysis Time..:** 16:25
Analysis Date..: 11/30/06 **Prep Batch #...:** 6335214
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	20	ug/L	SW846 8260B
Benzene	ND	5.0	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
2-Butanone	ND	20	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
2-Hexanone	ND	20	ug/L	SW846 8260B
Methylene chloride	ND	5.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B
Vinyl chloride	ND	5.0	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(68 - 133)
Dibromofluoromethane	107	(74 - 129)
1,2-Dichloroethane-d4	99	(69 - 132)
4-Bromofluorobenzene	96	(64 - 130)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JKL3J1AA **Matrix.....:** WATER

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JLA9D1AA **Matrix.....:** WATER
MB Lot-Sample #: F6L120000-526

Prep Date.....: 12/11/06 **Analysis Time..:** 16:21
Analysis Date..: 12/11/06 **Prep Batch #...:** 6346526
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	103	(68 - 133)
Dibromofluoromethane	104	(74 - 129)
1,2-Dichloroethane-d4	104	(69 - 132)
4-Bromofluorobenzene	101	(64 - 130)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JKL3J1AC **Matrix.....:** WATER
LCS Lot-Sample#: F6L010000-214
Prep Date.....: 11/30/06 **Analysis Date..:** 11/30/06
Prep Batch #...: 6335214 **Analysis Time..:** 15:12
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Carbon tetrachloride	102	(65 - 134)	SW846 8260B
m-Xylene & p-Xylene	99	(78 - 124)	SW846 8260B
o-Xylene	100	(78 - 123)	SW846 8260B
1,3-Dichlorobenzene	96	(72 - 126)	SW846 8260B
1,4-Dichlorobenzene	98	(66 - 126)	SW846 8260B
1,2-Dichlorobenzene	100	(71 - 127)	SW846 8260B
Bromobenzene	96	(73 - 121)	SW846 8260B
Bromochloromethane	108	(73 - 123)	SW846 8260B
n-Butylbenzene	90	(75 - 129)	SW846 8260B
sec-Butylbenzene	96	(71 - 134)	SW846 8260B
tert-Butylbenzene	96	(68 - 130)	SW846 8260B
Allyl chloride	99	(66 - 129)	SW846 8260B
2-Chlorotoluene	96	(64 - 133)	SW846 8260B
4-Chlorotoluene	84	(59 - 136)	SW846 8260B
Cyclohexanone	101	(52 - 150)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	112	(61 - 132)	SW846 8260B
1,2-Dibromoethane (EDB)	104	(75 - 119)	SW846 8260B
trans-1,4-Dichloro-2-butene	104	(62 - 142)	SW846 8260B
Dichlorodifluoromethane (Freon 12)	85	(46 - 147)	SW846 8260B
cis-1,2-Dichloroethene	105	(77 - 121)	SW846 8260B
trans-1,2-Dichloroethene	106	(72 - 125)	SW846 8260B
1,3-Dichloropropane	103	(78 - 115)	SW846 8260B
2,2-Dichloropropane	100	(67 - 130)	SW846 8260B
1,1-Dichloropropene	99	(78 - 117)	SW846 8260B
Ethyl methacrylate	107	(73 - 133)	SW846 8260B
Freon 113	103	(63 - 135)	SW846 8260B
Hexachlorobutadiene	94	(40 - 149)	SW846 8260B
n-Hexane	93	(74 - 122)	SW846 8260B
Isopropylbenzene	101	(72 - 130)	SW846 8260B
4-Isopropyltoluene	90	(76 - 131)	SW846 8260B
Methyl methacrylate	99	(68 - 131)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JKL3J1AC **Matrix.....:** WATER
LCS Lot-Sample#: F6L010000-214

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Methyl tert-butyl ether (MTBE)	107	(77 - 122)	SW846 8260B
Naphthalene	102	(60 - 141)	SW846 8260B
2-Nitropropane	93	(40 - 150)	SW846 8260B
n-Propylbenzene	95	(69 - 136)	SW846 8260B
1,1,1,2-Tetrachloroethane	104	(75 - 118)	SW846 8260B
Tetrahydrofuran	101	(70 - 133)	SW846 8260B
1,2,3-Trichlorobenzene	95	(55 - 141)	SW846 8260B
1,2,4-Trichloro-benzene	87	(56 - 143)	SW846 8260B
Trichlorofluoromethane	105	(57 - 144)	SW846 8260B
1,3,5-Trimethylbenzene	93	(75 - 129)	SW846 8260B
Ethyl ether	104	(70 - 136)	SW846 8260B
1-Butanol	100	(39 - 150)	SW846 8260B
Acetonitrile	84	(47 - 143)	SW846 8260B
Ethyl acetate	98	(69 - 132)	SW846 8260B
2-Chloroethyl vinyl ether	107	(40 - 150)	SW846 8260B
Iodomethane	136 a	(78 - 117)	SW846 8260B
Vinyl acetate	110	(70 - 150)	SW846 8260B
Acrylonitrile	85	(40 - 150)	SW846 8260B
Cyclohexane	100	(87 - 116)	SW846 8260B
Isobutanol	89	(46 - 153)	SW846 8260B
Methacrylonitrile	106	(75 - 133)	SW846 8260B
Methylcyclohexane	92	(80 - 115)	SW846 8260B
Propionitrile	95	(66 - 133)	SW846 8260B
1,4-Dioxane	114	(38 - 150)	SW846 8260B
Pentachloroethane	98	(52 - 140)	SW846 8260B
Methyl acetate	101	(66 - 120)	SW846 8260B
2-Chloro-1,3-butadiene	98	(82 - 122)	SW846 8260B
1,2-Dichloro-1,1,2,2-tetrafluoroethane	91	(55 - 135)	SW846 8260B
cis-1,3-Dichloropropene	101	(78 - 122)	SW846 8260B
Dibromochloromethane	107	(73 - 130)	SW846 8260B
Chloromethane	90	(68 - 136)	SW846 8260B
Vinyl chloride	73	(67 - 137)	SW846 8260B
Bromomethane	93	(43 - 152)	SW846 8260B
Chloroethane	96	(62 - 139)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JKL3J1AC **Matrix.....:** WATER
LCS Lot-Sample#: F6L010000-214

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acetone	**108**	**(40 - 150)**	**SW846 8260B**
1,1-Dichloroethene	**105**	**(71 - 123)**	**SW846 8260B**
Methylene chloride	**93**	**(38 - 143)**	**SW846 8260B**
Carbon disulfide	**109**	**(71 - 137)**	**SW846 8260B**
1,1-Dichloroethane	**99**	**(77 - 119)**	**SW846 8260B**
2-Butanone	**100**	**(61 - 133)**	**SW846 8260B**
1,2-Dichloroethene (total)	**106**	**(76 - 122)**	**SW846 8260B**
Chloroform	**102**	**(75 - 120)**	**SW846 8260B**
1,1,1-Trichloroethane	**105**	**(69 - 128)**	**SW846 8260B**
1,2-Dichloroethane	**103**	**(67 - 123)**	**SW846 8260B**
Benzene	**96**	**(80 - 116)**	**SW846 8260B**
Trichloroethene	**100**	**(70 - 120)**	**SW846 8260B**
1,2-Dichloropropane	**96**	**(73 - 120)**	**SW846 8260B**
Bromodichloromethane	**103**	**(76 - 124)**	**SW846 8260B**
1,1,2-Trichloroethane	**105**	**(75 - 113)**	**SW846 8260B**
trans-1,3-Dichloropropene	**104**	**(76 - 126)**	**SW846 8260B**
Toluene	**95**	**(80 - 122)**	**SW846 8260B**
2-Hexanone	**104**	**(64 - 135)**	**SW846 8260B**
4-Methyl-2-pentanone	**107**	**(66 - 139)**	**SW846 8260B**
Chlorobenzene	**101**	**(75 - 121)**	**SW846 8260B**
Bromoform	**102**	**(81 - 126)**	**SW846 8260B**
Ethylbenzene	**96**	**(81 - 114)**	**SW846 8260B**
Styrene	**101**	**(82 - 124)**	**SW846 8260B**
1,1,2,2-Tetrachloroethane	**107**	**(73 - 116)**	**SW846 8260B**
Tetrachloroethene	**104**	**(71 - 126)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(81 - 124)
Dibromofluoromethane	106	(78 - 124)
1,2-Dichloroethane-d4	101	(71 - 125)
4-Bromofluorobenzene	98	(71 - 124)

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 EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JLA9D1AC **Matrix.....:** WATER
LCS Lot-Sample#: F6L120000-526
Prep Date.....: 12/11/06 **Analysis Date..:** 12/11/06
Prep Batch #...: 6346526 **Analysis Time..:** 15:32
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
cis-1,3-Dichloropropene	106	(78 - 122)	SW846 8260B
Dibromochloromethane	96	(73 - 130)	SW846 8260B
Chloromethane	80	(68 - 136)	SW846 8260B
Vinyl chloride	82	(67 - 137)	SW846 8260B
Bromomethane	85	(43 - 152)	SW846 8260B
Chloroethane	82	(62 - 139)	SW846 8260B
Acetone	81	(40 - 150)	SW846 8260B
1,1-Dichloroethene	97	(71 - 123)	SW846 8260B
Methylene chloride	107	(38 - 143)	SW846 8260B
Carbon disulfide	98	(71 - 137)	SW846 8260B
1,1-Dichloroethane	97	(77 - 119)	SW846 8260B
2-Butanone	85	(61 - 133)	SW846 8260B
1,2-Dichloroethene (total)	102	(76 - 122)	SW846 8260B
Chloroform	97	(75 - 120)	SW846 8260B
1,1,1-Trichloroethane	102	(69 - 128)	SW846 8260B
1,2-Dichloroethane	94	(67 - 123)	SW846 8260B
Benzene	98	(80 - 116)	SW846 8260B
Trichloroethene	102	(70 - 120)	SW846 8260B
1,2-Dichloropropane	97	(73 - 120)	SW846 8260B
Bromodichloromethane	98	(76 - 124)	SW846 8260B
1,1,2-Trichloroethane	92	(75 - 113)	SW846 8260B
trans-1,3-Dichloropropene	103	(76 - 126)	SW846 8260B
Toluene	100	(80 - 122)	SW846 8260B
m-Xylene & p-Xylene	103	(78 - 124)	SW846 8260B
o-Xylene	106	(78 - 123)	SW846 8260B
1,3-Dichlorobenzene	102	(72 - 126)	SW846 8260B
1,4-Dichlorobenzene	94	(66 - 126)	SW846 8260B
2-Hexanone	88	(64 - 135)	SW846 8260B
4-Methyl-2-pentanone	98	(66 - 139)	SW846 8260B
Chlorobenzene	97	(75 - 121)	SW846 8260B
Bromoform	98	(81 - 126)	SW846 8260B
Ethylbenzene	97	(81 - 114)	SW846 8260B
Styrene	110	(82 - 124)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JLA9D1AC **Matrix.....:** WATER
LCS Lot-Sample#: F6L120000-526

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1,2,2-Tetrachloroethane	88	(73 - 116)	SW846 8260B
Tetrachloroethene	102	(71 - 126)	SW846 8260B
1,2-Dichlorobenzene	98	(71 - 127)	SW846 8260B
Bromobenzene	103	(73 - 121)	SW846 8260B
Bromochloromethane	96	(73 - 123)	SW846 8260B
n-Butylbenzene	105	(75 - 129)	SW846 8260B
sec-Butylbenzene	107	(71 - 134)	SW846 8260B
tert-Butylbenzene	110	(68 - 130)	SW846 8260B
Allyl chloride	96	(66 - 129)	SW846 8260B
2-Chlorotoluene	109	(64 - 133)	SW846 8260B
4-Chlorotoluene	104	(59 - 136)	SW846 8260B
Cyclohexanone	99	(52 - 150)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	93	(61 - 132)	SW846 8260B
1,2-Dibromoethane (EDB)	97	(75 - 119)	SW846 8260B
trans-1,4-Dichloro-2-butene	87	(62 - 142)	SW846 8260B
Dichlorodifluoromethane (Freon 12)	71	(46 - 147)	SW846 8260B
cis-1,2-Dichloroethene	104	(77 - 121)	SW846 8260B
trans-1,2-Dichloroethene	100	(72 - 125)	SW846 8260B
1,3-Dichloropropane	91	(78 - 115)	SW846 8260B
2,2-Dichloropropane	107	(67 - 130)	SW846 8260B
1,1-Dichloropropene	105	(78 - 117)	SW846 8260B
Ethyl methacrylate	102	(73 - 133)	SW846 8260B
Freon 113	101	(63 - 135)	SW846 8260B
Hexachlorobutadiene	107	(40 - 149)	SW846 8260B
n-Hexane	99	(74 - 122)	SW846 8260B
Isopropylbenzene	108	(72 - 130)	SW846 8260B
4-Isopropyltoluene	112	(76 - 131)	SW846 8260B
Methyl methacrylate	95	(68 - 131)	SW846 8260B
Methyl tert-butyl ether (MTBE)	95	(77 - 122)	SW846 8260B
Naphthalene	94	(60 - 141)	SW846 8260B
2-Nitropropane	78	(40 - 150)	SW846 8260B
n-Propylbenzene	107	(69 - 136)	SW846 8260B
1,1,1,2-Tetrachloroethane	97	(75 - 118)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JLA9D1AC **Matrix.....:** WATER
LCS Lot-Sample#: F6L120000-526

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Tetrahydrofuran	95	(70 - 133)	SW846 8260B
1,2,3-Trichlorobenzene	99	(55 - 141)	SW846 8260B
1,2,4-Trichloro-benzene	104	(56 - 143)	SW846 8260B
Trichlorofluoromethane	84	(57 - 144)	SW846 8260B
1,3,5-Trimethylbenzene	110	(75 - 129)	SW846 8260B
Ethyl ether	84	(70 - 136)	SW846 8260B
1-Butanol	99	(39 - 150)	SW846 8260B
Acetonitrile	82	(47 - 143)	SW846 8260B
Ethyl acetate	82	(69 - 132)	SW846 8260B
2-Chloroethyl vinyl ether	110	(40 - 150)	SW846 8260B
Iodomethane	133 a	(78 - 117)	SW846 8260B
Vinyl acetate	100	(70 - 150)	SW846 8260B
Acrolein	77	(40 - 150)	SW846 8260B
Acrylonitrile	89	(40 - 150)	SW846 8260B
Cyclohexane	105	(87 - 116)	SW846 8260B
Isobutanol	79	(46 - 153)	SW846 8260B
Methacrylonitrile	89	(75 - 133)	SW846 8260B
Methylcyclohexane	99	(80 - 115)	SW846 8260B
Propionitrile	86	(66 - 133)	SW846 8260B
1,4-Dioxane	92	(38 - 150)	SW846 8260B
Pentachloroethane	100	(52 - 140)	SW846 8260B
Methyl acetate	84	(66 - 120)	SW846 8260B
2-Chloro-1,3-butadiene	104	(82 - 122)	SW846 8260B
1,2-Dichloro-1,1,2,2-tetrafluoroethane	84	(55 - 135)	SW846 8260B
Carbon tetrachloride	100	(65 - 134)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	89	(81 - 124)
Dibromofluoromethane	91	(78 - 124)
1,2-Dichloroethane-d4	85	(71 - 125)
4-Bromofluorobenzene	87	(71 - 124)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JLA9D1AC **Matrix.....:** WATER
LCS Lot-Sample#: F6L120000-526

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 EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JKE9P1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F6K280244-001 JKE9P1AE-MSD
Date Sampled...: 11/27/06 11:55 **Date Received..:** 11/28/06
Prep Date.....: 11/30/06 **Analysis Date..:** 12/01/06
Prep Batch #...: 6335214 **Analysis Time..:** 00:21
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
m-Xylene & p-Xylene	105	(76 - 130)			SW846 8260B
	104	(76 - 130)	0.67	(0-20)	SW846 8260B
o-Xylene	105	(78 - 126)			SW846 8260B
	105	(78 - 126)	0.26	(0-20)	SW846 8260B
1,3-Dichlorobenzene	95	(74 - 125)			SW846 8260B
	101	(74 - 125)	6.4	(0-20)	SW846 8260B
1,4-Dichlorobenzene	97	(69 - 123)			SW846 8260B
	100	(69 - 123)	3.5	(0-20)	SW846 8260B
1,2-Dichlorobenzene	96	(72 - 125)			SW846 8260B
	101	(72 - 125)	5.0	(0-20)	SW846 8260B
Bromobenzene	89	(72 - 125)			SW846 8260B
	100	(72 - 125)	12	(0-20)	SW846 8260B
Bromochloromethane	109	(70 - 130)			SW846 8260B
	111	(70 - 130)	1.8	(0-20)	SW846 8260B
n-Butylbenzene	85	(74 - 133)			SW846 8260B
	92	(74 - 133)	8.7	(0-20)	SW846 8260B
sec-Butylbenzene	92	(73 - 137)			SW846 8260B
	101	(73 - 137)	9.3	(0-20)	SW846 8260B
tert-Butylbenzene	95	(69 - 138)			SW846 8260B
	101	(69 - 138)	5.9	(0-20)	SW846 8260B
Allyl chloride	102	(68 - 139)			SW846 8260B
	107	(68 - 139)	4.4	(0-20)	SW846 8260B
2-Chlorotoluene	90	(37 - 138)			SW846 8260B
	100	(37 - 138)	9.7	(0-20)	SW846 8260B
4-Chlorotoluene	80	(63 - 139)			SW846 8260B
	90	(63 - 139)	12	(0-20)	SW846 8260B
Cyclohexanone	79	(20 - 147)			SW846 8260B
	80	(20 - 147)	0.93	(0-20)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	102	(62 - 133)			SW846 8260B
	114	(62 - 133)	10	(0-20)	SW846 8260B
1,2-Dibromoethane (EDB)	101	(70 - 125)			SW846 8260B
	104	(70 - 125)	2.6	(0-20)	SW846 8260B
trans-1,4-Dichloro-2-butene	101	(57 - 148)			SW846 8260B
	106	(57 - 148)	4.9	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JKE9P1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F6K280244-001 JKE9P1AE-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dichlorodifluoromethane (Freon 12)	86	(41 - 150)			SW846 8260B
	86	(41 - 150)	0.72	(0-20)	SW846 8260B
cis-1,2-Dichloroethene	107	(64 - 138)			SW846 8260B
	110	(64 - 138)	3.0	(0-20)	SW846 8260B
trans-1,2-Dichloroethene	109	(72 - 130)			SW846 8260B
	111	(72 - 130)	2.3	(0-20)	SW846 8260B
1,3-Dichloropropane	110	(70 - 126)			SW846 8260B
	104	(70 - 126)	5.8	(0-20)	SW846 8260B
2,2-Dichloropropane	109	(68 - 135)			SW846 8260B
	107	(68 - 135)	1.6	(0-20)	SW846 8260B
1,1-Dichloropropene	105	(76 - 126)			SW846 8260B
	104	(76 - 126)	0.80	(0-20)	SW846 8260B
Ethyl ether	108	(67 - 142)			SW846 8260B
	111	(67 - 142)	3.2	(0-20)	SW846 8260B
Ethyl methacrylate	112	(67 - 137)			SW846 8260B
	109	(67 - 137)	3.4	(0-20)	SW846 8260B
Freon 113	111	(64 - 140)			SW846 8260B
	110	(64 - 140)	0.38	(0-20)	SW846 8260B
Hexachlorobutadiene	74	(47 - 143)			SW846 8260B
	92 p	(47 - 143)	23	(0-20)	SW846 8260B
n-Hexane	101	(72 - 131)			SW846 8260B
	103	(72 - 131)	2.4	(0-20)	SW846 8260B
Isopropylbenzene	105	(72 - 136)			SW846 8260B
	108	(72 - 136)	3.2	(0-20)	SW846 8260B
4-Isopropyltoluene	87	(75 - 137)			SW846 8260B
	93	(75 - 137)	6.8	(0-20)	SW846 8260B
Methyl methacrylate	100	(64 - 136)			SW846 8260B
	106	(64 - 136)	4.9	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	111	(76 - 126)			SW846 8260B
	113	(76 - 126)	1.8	(0-20)	SW846 8260B
Naphthalene	101	(60 - 134)			SW846 8260B
	114	(60 - 134)	12	(0-20)	SW846 8260B
2-Nitropropane	93	(55 - 150)			SW846 8260B
	99	(55 - 150)	6.2	(0-20)	SW846 8260B
n-Propylbenzene	96	(70 - 140)			SW846 8260B
	99	(70 - 140)	3.1	(0-20)	SW846 8260B
1,1,1,2-Tetrachloroethane	106	(74 - 122)			SW846 8260B
	108	(74 - 122)	1.5	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JKE9P1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F6K280244-001 JKE9P1AE-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Tetrahydrofuran	100	(69 - 143)			SW846 8260B
	107	(69 - 143)	6.4	(0-20)	SW846 8260B
1,2,3-Trichlorobenzene	85	(59 - 135)			SW846 8260B
	103	(59 - 135)	19	(0-20)	SW846 8260B
1,2,4-Trichloro-benzene	76	(59 - 135)			SW846 8260B
	101 p	(59 - 135)	27	(0-20)	SW846 8260B
Trichlorofluoromethane	113	(59 - 150)			SW846 8260B
	113	(59 - 150)	0.19	(0-20)	SW846 8260B
1,3,5-Trimethylbenzene	89	(73 - 136)			SW846 8260B
	97	(73 - 136)	8.6	(0-20)	SW846 8260B
1-Butanol	76	(22 - 150)			SW846 8260B
	91	(22 - 150)	17	(0-20)	SW846 8260B
Acetonitrile	90	(20 - 150)			SW846 8260B
	91	(20 - 150)	1.4	(0-20)	SW846 8260B
Ethyl acetate	101	(61 - 150)			SW846 8260B
	105	(61 - 150)	3.8	(0-20)	SW846 8260B
Iodomethane	107	(72 - 127)			SW846 8260B
	134 a,p	(72 - 127)	23	(0-20)	SW846 8260B
Vinyl acetate	113	(80 - 150)			SW846 8260B
	115	(80 - 150)	1.5	(0-20)	SW846 8260B
Acrylonitrile	92	(75 - 139)			SW846 8260B
	92	(75 - 139)	0.17	(0-20)	SW846 8260B
Cyclohexane	103	(79 - 132)			SW846 8260B
	109	(79 - 132)	5.7	(0-20)	SW846 8260B
Isobutanol	101	(32 - 150)			SW846 8260B
	102	(32 - 150)	0.98	(0-20)	SW846 8260B
Methacrylonitrile	112	(75 - 144)			SW846 8260B
	115	(75 - 144)	3.4	(0-20)	SW846 8260B
Methylcyclohexane	98	(72 - 138)			SW846 8260B
	100	(72 - 138)	1.8	(0-20)	SW846 8260B
Propionitrile	98	(64 - 146)			SW846 8260B
	101	(64 - 146)	2.8	(0-20)	SW846 8260B
1,4-Dioxane	107	(27 - 150)			SW846 8260B
	114	(27 - 150)	6.7	(0-20)	SW846 8260B
Pentachloroethane	104	(68 - 144)			SW846 8260B
	113	(68 - 144)	7.7	(0-20)	SW846 8260B
Methyl acetate	98	(73 - 117)			SW846 8260B
	103	(73 - 117)	5.0	(0-20)	SW846 8260B
2-Chloro-1,3-butadiene	102	(76 - 144)			SW846 8260B
	110	(76 - 144)	7.4	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JKE9P1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F6K280244-001 JKE9P1AE-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloro- 1,1,2,2-tetrafluoroethane	76	(59 - 131)			SW846 8260B
	104 p	(59 - 131)	31	(0-20)	SW846 8260B
Benzene	92	(79 - 122)			SW846 8260B
	100	(79 - 122)	8.6	(0-20)	SW846 8260B
Trichloroethene	97	(71 - 124)			SW846 8260B
	105	(71 - 124)	6.8	(0-20)	SW846 8260B
1,2-Dichloropropane	102	(73 - 125)			SW846 8260B
	102	(73 - 125)	0.43	(0-20)	SW846 8260B
Bromodichloromethane	109	(76 - 130)			SW846 8260B
	113	(76 - 130)	3.5	(0-20)	SW846 8260B
1,1,2-Trichloroethane	108	(70 - 122)			SW846 8260B
	105	(70 - 122)	3.5	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	111	(68 - 135)			SW846 8260B
	104	(68 - 135)	6.0	(0-20)	SW846 8260B
Toluene	94	(75 - 127)			SW846 8260B
	96	(75 - 127)	2.2	(0-20)	SW846 8260B
2-Hexanone	110	(56 - 138)			SW846 8260B
	108	(56 - 138)	2.0	(0-20)	SW846 8260B
4-Methyl-2-pentanone	76	(43 - 150)			SW846 8260B
	79	(43 - 150)	4.2	(0-20)	SW846 8260B
Chlorobenzene	109	(74 - 123)			SW846 8260B
	105	(74 - 123)	3.5	(0-20)	SW846 8260B
Bromoform	105	(73 - 132)			SW846 8260B
	102	(73 - 132)	2.9	(0-20)	SW846 8260B
Ethylbenzene	102	(81 - 121)			SW846 8260B
	102	(81 - 121)	0.23	(0-20)	SW846 8260B
Styrene	103	(81 - 126)			SW846 8260B
	106	(81 - 126)	3.3	(0-20)	SW846 8260B
1,1,2,2-Tetrachloroethane	115	(63 - 130)			SW846 8260B
	113	(63 - 130)	2.2	(0-20)	SW846 8260B
Tetrachloroethene	101	(66 - 124)			SW846 8260B
	103	(66 - 124)	1.7	(0-20)	SW846 8260B
2-Butanone	105	(59 - 139)			SW846 8260B
	110	(59 - 139)	4.7	(0-20)	SW846 8260B
Dibromochloromethane	101	(72 - 133)			SW846 8260B
	108	(72 - 133)	6.9	(0-20)	SW846 8260B
cis-1,3-Dichloropropene	106	(75 - 126)			SW846 8260B
	108	(75 - 126)	1.4	(0-20)	SW846 8260B
Chloromethane	104	(61 - 143)			SW846 8260B
	101	(61 - 143)	3.3	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: F6K280244 **Work Order #...:** JKE9P1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F6K280244-001 JKE9P1AE-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Vinyl chloride	**78**	**(59 - 147)**			**SW846 8260B**
	79	**(59 - 147)**	**1.2**	**(0-20)**	**SW846 8260B**
Bromomethane	**102**	**(43 - 150)**			**SW846 8260B**
	102	**(43 - 150)**	**0.11**	**(0-20)**	**SW846 8260B**
Chloroethane	**105**	**(63 - 143)**			**SW846 8260B**
	106	**(63 - 143)**	**0.68**	**(0-20)**	**SW846 8260B**
Acetone	**115**	**(20 - 150)**			**SW846 8260B**
	117	**(20 - 150)**	**1.7**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**107**	**(70 - 131)**			**SW846 8260B**
	110	**(70 - 131)**	**3.0**	**(0-20)**	**SW846 8260B**
Methylene chloride	**102**	**(34 - 149)**			**SW846 8260B**
	109	**(34 - 149)**	**7.4**	**(0-20)**	**SW846 8260B**
Carbon disulfide	**116**	**(68 - 146)**			**SW846 8260B**
	117	**(68 - 146)**	**0.67**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethane	**102**	**(75 - 128)**			**SW846 8260B**
	103	**(75 - 128)**	**1.0**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	**108**	**(69 - 133)**			**SW846 8260B**
	111	**(69 - 133)**	**2.6**	**(0-20)**	**SW846 8260B**
Chloroform	**103**	**(75 - 127)**			**SW846 8260B**
	107	**(75 - 127)**	**3.0**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	**109**	**(69 - 135)**			**SW846 8260B**
	114	**(69 - 135)**	**4.7**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethane	**105**	**(67 - 133)**			**SW846 8260B**
	106	**(67 - 133)**	**1.3**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	110	(68 - 133)
	106	(68 - 133)
Dibromofluoromethane	103	(74 - 129)
	111	(74 - 129)
1,2-Dichloroethane-d4	94	(69 - 132)
	101	(69 - 132)
4-Bromofluorobenzene	97	(64 - 130)
	100	(64 - 130)

NOTE(S):

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

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

GC/MS SAMPLE AND QC DATA SUMMARY-FORM 1

VOLATILES

Vista Engineering Technologies, LLC

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AC Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
136777-61-2	m-Xylene & p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
108-86-1	Bromobenzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
104-51-8	n-Butylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
107-05-1	Allyl chloride	10	U
95-49-8	2-Chlorotoluene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
108-94-1	Cyclohexanone	100	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
106-93-4	1,2-Dibromoethane (EDB)	5.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10	U
75-71-8	Dichlorodifluoromethane (Fre	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
60-29-7	Ethyl ether	10	U
97-63-2	Ethyl methacrylate	5.0	U
76-13-1	Freon 113	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
110-54-3	n-Hexane	10	U

FORM I

Vista Engineering Technologies, LLC

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AC Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
98-82-8	Isopropylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
80-62-6	Methyl methacrylate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTB	5.0	U
91-20-3	Naphthalene	5.0	U
79-46-9	2-Nitropropane	10	U
103-65-1	n-Propylbenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
109-99-9	Tetrahydrofuran	25	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
71-36-3	1-Butanol	100	U
75-05-8	Acetonitrile	50	U
141-78-6	Ethyl acetate	20	U
110-75-8	2-Chloroethyl vinyl ether	20	U
74-88-4	Iodomethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
107-02-8	Acrolein	50	U
107-13-1	Acrylonitrile	50	U
110-82-7	Cyclohexane	10	U
78-83-1	Isobutanol	200	U
126-98-7	Methacrylonitrile	25	U
108-87-2	Methylcyclohexane	10	U
107-12-0	Propionitrile	25	U
123-91-1	1,4-Dioxane	400	U
76-01-7	Pentachloroethane	5.0	U

FORM I

Vista Engineering Technologies, LLC

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AC Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-20-9	Methyl acetate	10	U
126-99-8	2-Chloro-1,3-butadiene	5.0	U
76-14-2	1,2-Dichloro-1,1,2,2-tetrafl	5.0	U
67-64-1	Acetone	20	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	20	U
75-15-0	Carbon disulfide	5.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	**Chloroform**	**14**	
74-87-3	Chloromethane	10	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	10	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	20	U
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

FORM I

Vista Engineering Technologies, LLC

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AC Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
127-18-4	**Tetrachloroethene**	**0.64**	**J**
108-88-3	**Toluene**	**0.21**	**J**
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	**Trichloroethene**	**6.4**	
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Xylenes (total)	10	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Toluene-d8	106	(68 - 133)
Dibromofluoromethane	107	(74 - 129)
1,2-Dichloroethane-d4	98	(69 - 132)
4-Bromofluorobenzene	98	(64 - 130)

FORM I

Vista Engineering Technologies, LLC
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AC Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Vista Engineering Technologies, LLC

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 0.25 / mL Date Received: 11/28/06
Work Order: JKE9P2AC Date Extracted:12/11/06
Dilution factor: 20 Date Analyzed: 12/11/06
Moisture %:NA
QC Batch: 6346526
Client Sample Id: B1LB37 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
56-23-5	**Carbon tetrachloride**	**2400**	**D**

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Toluene-d8	107	(68 - 133)
Dibromofluoromethane	111	(74 - 129)
1,2-Dichloroethane-d4	118	(69 - 132)
4-Bromofluorobenzene	107	(64 - 130)

FORM I

Vista Engineering Technologies, LLC

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L050180 004
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: / Date Received: 12/05/06
Work Order: JKR7G1CF Date Extracted:12/11/06
Dilution factor: 1 Date Analyzed:
Moisture %:NA
QC Batch: 6346292
Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-15-0	Carbon disulfide		
540-59-0	1,2-Dichloroethene (total)		
136777-61-2	m-Xylene & p-Xylene		
95-47-6	o-Xylene		
107-05-1	Allyl chloride		
108-94-1	Cyclohexanone		
96-12-8	1,2-Dibromo-3-chloropropane		
106-93-4	1,2-Dibromoethane (EDB)		
110-57-6	trans-1,4-Dichloro-2-butene		
75-71-8	Dichlorodifluoromethane (Fre		
60-29-7	Ethyl ether		
97-63-2	Ethyl methacrylate		
76-13-1	Freon 113		
110-54-3	n-Hexane		
99-87-6	4-Isopropyltoluene		
80-62-6	Methyl methacrylate		
79-46-9	2-Nitropropane		
109-99-9	Tetrahydrofuran		
71-36-3	1-Butanol		
75-05-8	Acetonitrile		
141-78-6	Ethyl acetate		
110-75-8	2-Chloroethyl vinyl ether		
74-88-4	Iodomethane		
108-05-4	Vinyl acetate		
107-02-8	Acrolein		
107-13-1	Acrylonitrile		
110-82-7	Cyclohexane		
78-83-1	Isobutanol		

FORM I

Vista Engineering Technologies, LLC

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L050180 004
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: / Date Received: 12/05/06
Work Order: JKR7G1CF Date Extracted:12/11/06
Dilution factor: 1 Date Analyzed:
Moisture %:NA
QC Batch: 6346292
Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
126-98-7	Methacrylonitrile		
108-87-2	Methylcyclohexane		
107-12-0	Propionitrile		
123-91-1	1,4-Dioxane		
76-01-7	Pentachloroethane		
79-20-9	Methyl acetate		
126-99-8	2-Chloro-1,3-butadiene		
76-14-2	1,2-Dichloro-1,1,2,2-tetrafl		
67-64-1	Acetone		
71-43-2	Benzene		
108-86-1	Bromobenzene		
74-97-5	Bromochloromethane		
75-27-4	Bromodichloromethane		
75-25-2	Bromoform		
74-83-9	Bromomethane		
78-93-3	2-Butanone		
104-51-8	n-Butylbenzene		
135-98-8	sec-Butylbenzene		
98-06-6	tert-Butylbenzene		
56-23-5	Carbon tetrachloride		
108-90-7	Chlorobenzene		
124-48-1	Dibromochloromethane		
96-12-8	1,2-Dibromo-3-chloropropane		
75-00-3	Chloroethane		
67-66-3	Chloroform		
74-87-3	Chloromethane		
95-49-8	2-Chlorotoluene		
106-43-4	4-Chlorotoluene		

FORM I

Vista Engineering Technologies, LLC

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L050180 004
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: / Date Received: 12/05/06
Work Order: JKR7G1CF Date Extracted:12/11/06
Dilution factor: 1 Date Analyzed:
Moisture %:NA
QC Batch: 6346292
Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
106-93-4	1,2-Dibromoethane		
95-50-1	1,2-Dichlorobenzene		
541-73-1	1,3-Dichlorobenzene		
106-46-7	1,4-Dichlorobenzene		
75-71-8	Dichlorodifluoromethane		
75-34-3	1,1-Dichloroethane		
107-06-2	1,2-Dichloroethane		
75-35-4	1,1-Dichloroethene		
156-59-2	cis-1,2-Dichloroethene		
156-60-5	trans-1,2-Dichloroethene		
78-87-5	1,2-Dichloropropane		
142-28-9	1,3-Dichloropropane		
594-20-7	2,2-Dichloropropane		
563-58-6	1,1-Dichloropropene		
10061-01-5	cis-1,3-Dichloropropene		
10061-02-6	trans-1,3-Dichloropropene		
100-41-4	Ethylbenzene		
75-69-4	Trichlorofluoromethane		
87-68-3	Hexachlorobutadiene		
591-78-6	2-Hexanone		
98-82-8	Isopropylbenzene		
99-87-6	p-Isopropyltoluene		
75-09-2	Methylene chloride		
108-10-1	4-Methyl-2-pentanone		
91-20-3	Naphthalene		
103-65-1	n-Propylbenzene		
100-42-5	Styrene		
630-20-6	1,1,1,2-Tetrachloroethane		

FORM I

Vista Engineering Technologies, LLC

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L050180 004
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: / Date Received: 12/05/06
Work Order: JKR7G1CF Date Extracted:12/11/06
Dilution factor: 1 Date Analyzed:
Moisture %:NA
QC Batch: 6346292
Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-34-5	**1,1,2,2-Tetrachloroethane**		
127-18-4	**Tetrachloroethene**		
108-88-3	**Toluene**		
87-61-6	**1,2,3-Trichlorobenzene**		
120-82-1	**1,2,4-Trichlorobenzene**		
71-55-6	**1,1,1-Trichloroethane**		
79-00-5	**1,1,2-Trichloroethane**		
79-01-6	**Trichloroethene**		
108-67-8	**1,3,5-Trimethylbenzene**		
75-01-4	**Vinyl chloride**		
1634-04-4	**Methyl tert-butyl ether (MTB**		

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Toluene-d8		(68 - 133)
Dibromofluoromethane		(74 - 129)
1,2-Dichloroethane-d4		(69 - 132)
4-Bromofluorobenzene		(64 - 130)

FORM I

Vista Engineering Technologies, LLC
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L010000 214
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKL3J1AA Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA
QC Batch: 6335214
Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	20	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	20	U
75-15-0	Carbon disulfide	5.0	U
108-90-7	Chlorobenzene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	10	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	20	U
75-09-2	Methylene chloride	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U

FORM I

Vista Engineering Technologies, LLC
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L010000 214
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKL3J1AA Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA
QC Batch: 6335214
Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-00-5	1,1,2-Trichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Xylenes (total)	10	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Toluene-d8	104	(68 - 133)
Dibromofluoromethane	107	(74 - 129)
1,2-Dichloroethane-d4	99	(69 - 132)
4-Bromofluorobenzene	96	(64 - 130)

FORM I

Vista Engineering Technologies, LLC
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L010000 214
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKL3J1AA Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA
QC Batch: 6335214
Client Sample Id: INTRA-LAB BLANK

(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	None			

FORM I - TIC

Vista Engineering Technologies, LLC
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L120000 526
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JLA9D1AA Date Extracted:12/11/06
Dilution factor: 1 Date Analyzed: 12/11/06
Moisture %:NA
QC Batch: 6346526
Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
56-23-5	Carbon tetrachloride	5.0	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Toluene-d8	103	(68 - 133)
Dibromofluoromethane	104	(74 - 129)
1,2-Dichloroethane-d4	104	(69 - 132)
4-Bromofluorobenzene	101	(64 - 130)

FORM I

Vista Engineering Technologies, LLC
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L010000 214
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKL3J1AC Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
56-23-5	Carbon tetrachloride	50.8	
136777-61-2	m-Xylene & p-Xylene	99.4	
95-47-6	o-Xylene	50.2	
541-73-1	1,3-Dichlorobenzene	48.2	
106-46-7	1,4-Dichlorobenzene	48.8	
95-50-1	1,2-Dichlorobenzene	50.1	
108-86-1	Bromobenzene	47.9	
74-97-5	Bromochloromethane	53.8	
104-51-8	n-Butylbenzene	44.8	
135-98-8	sec-Butylbenzene	48.2	
98-06-6	tert-Butylbenzene	48.1	
107-05-1	Allyl chloride	49.3	
95-49-8	2-Chlorotoluene	47.8	
106-43-4	4-Chlorotoluene	41.8	
108-94-1	Cyclohexanone	505	
96-12-8	1,2-Dibromo-3-chloropropane	55.8	
106-93-4	1,2-Dibromoethane (EDB)	52.0	
110-57-6	trans-1,4-Dichloro-2-butene	52.0	
75-71-8	Dichlorodifluoromethane (Fre	42.6	
156-59-2	cis-1,2-Dichloroethene	52.5	
156-60-5	trans-1,2-Dichloroethene	52.9	
142-28-9	1,3-Dichloropropane	51.5	
594-20-7	2,2-Dichloropropane	50.2	
563-58-6	1,1-Dichloropropene	49.4	
97-63-2	Ethyl methacrylate	53.5	
76-13-1	Freon 113	51.4	
87-68-3	Hexachlorobutadiene	47.0	
110-54-3	n-Hexane	46.7	

FORM I

Vista Engineering Technologies, LLC
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L010000 214
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKL3J1AC Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA
QC Batch: 6335214
Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
98-82-8	Isopropylbenzene	50.5	
99-87-6	4-Isopropyltoluene	45.0	
80-62-6	Methyl methacrylate	49.6	
1634-04-4	Methyl tert-butyl ether (MTB	53.4	
91-20-3	Naphthalene	50.9	
79-46-9	2-Nitropropane	46.5	
103-65-1	n-Propylbenzene	47.7	
630-20-6	1,1,1,2-Tetrachloroethane	52.0	
109-99-9	Tetrahydrofuran	252	
87-61-6	1,2,3-Trichlorobenzene	47.6	
120-82-1	1,2,4-Trichlorobenzene	43.5	
75-69-4	Trichlorofluoromethane	52.4	
108-67-8	1,3,5-Trimethylbenzene	46.4	
60-29-7	Ethyl ether	104	
71-36-3	1-Butanol	500	
75-05-8	Acetonitrile	210	
141-78-6	Ethyl acetate	97.6	
110-75-8	2-Chloroethyl vinyl ether	53.5	
74-88-4	Iodomethane	68.0	a
108-05-4	Vinyl acetate	55.0	
107-13-1	Acrylonitrile	213	
110-82-7	Cyclohexane	50.2	
78-83-1	Isobutanol	886	
126-98-7	Methacrylonitrile	266	
108-87-2	Methylcyclohexane	46.2	
107-12-0	Propionitrile	237	
123-91-1	1,4-Dioxane	1140	
76-01-7	Pentachloroethane	49.1	

FORM I

Vista Engineering Technologies, LLC
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L010000 214
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKL3J1AC Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA
QC Batch: 6335214
Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-20-9	Methyl acetate	50.6	
126-99-8	2-Chloro-1,3-butadiene	49.2	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafl	45.4	
67-64-1	Acetone	54.2	
71-43-2	Benzene	47.9	
75-27-4	Bromodichloromethane	51.7	
75-25-2	Bromoform	51.1	
74-83-9	Bromomethane	46.3	
78-93-3	2-Butanone	50.0	
75-15-0	Carbon disulfide	54.4	
108-90-7	Chlorobenzene	50.6	
124-48-1	Dibromochloromethane	53.3	
75-00-3	Chloroethane	48.2	
67-66-3	Chloroform	51.0	
74-87-3	Chloromethane	45.1	
75-34-3	1,1-Dichloroethane	49.6	
107-06-2	1,2-Dichloroethane	51.5	
75-35-4	1,1-Dichloroethene	52.7	
540-59-0	1,2-Dichloroethene (total)	106	
78-87-5	1,2-Dichloropropane	48.0	
10061-01-5	cis-1,3-Dichloropropene	50.3	
10061-02-6	trans-1,3-Dichloropropene	51.9	
100-41-4	Ethylbenzene	47.8	
591-78-6	2-Hexanone	52.2	
75-09-2	Methylene chloride	46.3	
108-10-1	4-Methyl-2-pentanone	53.3	
100-42-5	Styrene	50.7	
79-34-5	1,1,2,2-Tetrachloroethane	53.4	

FORM I

Vista Engineering Technologies, LLC
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L010000 214
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKL3J1AC Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 11/30/06
Moisture %:NA
QC Batch: 6335214
Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
127-18-4	Tetrachloroethene	52.2	
108-88-3	Toluene	47.4	
71-55-6	1,1,1-Trichloroethane	52.3	
79-00-5	1,1,2-Trichloroethane	52.4	
79-01-6	Trichloroethene	50.0	
75-01-4	Vinyl chloride	36.7	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Toluene-d8	105	(81 - 124)
Dibromofluoromethane	106	(78 - 124)
1,2-Dichloroethane-d4	101	(71 - 125)
4-Bromofluorobenzene	98	(71 - 124)

FORM I

Vista Engineering Technologies, LLC
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L120000 526
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JLA9D1AC Date Extracted:12/11/06
Dilution factor: 1 Date Analyzed: 12/11/06
Moisture %:NA
QC Batch: 6346526
Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
10061-01-5	cis-1,3-Dichloropropene	52.8	
124-48-1	Dibromochloromethane	48.0	
74-87-3	Chloromethane	39.8	
75-01-4	Vinyl chloride	40.8	
74-83-9	Bromomethane	42.6	
75-00-3	Chloroethane	41.2	
67-64-1	Acetone	40.7	
75-35-4	1,1-Dichloroethene	48.7	
75-09-2	Methylene chloride	53.7	
75-15-0	Carbon disulfide	49.2	
75-34-3	1,1-Dichloroethane	48.4	
78-93-3	2-Butanone	42.5	
540-59-0	1,2-Dichloroethene (total)	102	
67-66-3	Chloroform	48.3	
71-55-6	1,1,1-Trichloroethane	51.2	
107-06-2	1,2-Dichloroethane	47.1	
71-43-2	Benzene	49.2	
79-01-6	Trichloroethene	51.2	
78-87-5	1,2-Dichloropropane	48.6	
75-27-4	Bromodichloromethane	49.2	
79-00-5	1,1,2-Trichloroethane	46.2	
10061-02-6	trans-1,3-Dichloropropene	51.5	
108-88-3	Toluene	49.9	
136777-61-2	m-Xylene & p-Xylene	103	
95-47-6	o-Xylene	53.2	
541-73-1	1,3-Dichlorobenzene	50.8	
106-46-7	1,4-Dichlorobenzene	47.1	
591-78-6	2-Hexanone	44.1	

FORM I

Vista Engineering Technologies, LLC
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L120000 526
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JLA9D1AC Date Extracted:12/11/06
Dilution factor: 1 Date Analyzed: 12/11/06
Moisture %:NA
QC Batch: 6346526
Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-10-1	4-Methyl-2-pentanone	49.2	
108-90-7	Chlorobenzene	48.4	
75-25-2	Bromoform	49.2	
100-41-4	Ethylbenzene	48.5	
100-42-5	Styrene	55.1	
79-34-5	1,1,2,2-Tetrachloroethane	43.9	
127-18-4	Tetrachloroethene	51.2	
95-50-1	1,2-Dichlorobenzene	48.8	
108-86-1	Bromobenzene	51.3	
74-97-5	Bromochloromethane	47.8	
104-51-8	n-Butylbenzene	52.6	
135-98-8	sec-Butylbenzene	53.4	
98-06-6	tert-Butylbenzene	54.9	
107-05-1	Allyl chloride	47.9	
95-49-8	2-Chlorotoluene	54.7	
106-43-4	4-Chlorotoluene	52.2	
108-94-1	Cyclohexanone	495	
96-12-8	1,2-Dibromo-3-chloropropane	46.7	
106-93-4	1,2-Dibromoethane (EDB)	48.6	
110-57-6	trans-1,4-Dichloro-2-butene	43.7	
75-71-8	Dichlorodifluoromethane (Fre	35.3	
156-59-2	cis-1,2-Dichloroethene	52.1	
156-60-5	trans-1,2-Dichloroethene	49.8	
142-28-9	1,3-Dichloropropane	45.4	
594-20-7	2,2-Dichloropropane	53.6	
563-58-6	1,1-Dichloropropene	52.3	
97-63-2	Ethyl methacrylate	50.9	
76-13-1	Freon 113	50.6	

FORM I

Vista Engineering Technologies, LLC
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L120000 526
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JLA9D1AC Date Extracted:12/11/06
Dilution factor: 1 Date Analyzed: 12/11/06
Moisture %:NA
QC Batch: 6346526
Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
87-68-3	Hexachlorobutadiene	53.6	
110-54-3	n-Hexane	49.4	
98-82-8	Isopropylbenzene	54.2	
99-87-6	4-Isopropyltoluene	55.9	
80-62-6	Methyl methacrylate	47.3	
1634-04-4	Methyl tert-butyl ether (MTB	47.3	
91-20-3	Naphthalene	47.1	
79-46-9	2-Nitropropane	38.8	
103-65-1	n-Propylbenzene	53.5	
630-20-6	1,1,1,2-Tetrachloroethane	48.5	
109-99-9	Tetrahydrofuran	237	
87-61-6	1,2,3-Trichlorobenzene	49.7	
120-82-1	1,2,4-Trichlorobenzene	52.0	
75-69-4	Trichlorofluoromethane	41.9	
108-67-8	1,3,5-Trimethylbenzene	54.8	
60-29-7	Ethyl ether	84.4	
71-36-3	1-Butanol	496	
75-05-8	Acetonitrile	205	
141-78-6	Ethyl acetate	81.9	
110-75-8	2-Chloroethyl vinyl ether	54.9	
74-88-4	Iodomethane	66.3	a
108-05-4	Vinyl acetate	50.2	
107-02-8	Acrolein	194	
107-13-1	Acrylonitrile	223	
110-82-7	Cyclohexane	52.3	
78-83-1	Isobutanol	790	
126-98-7	Methacrylonitrile	222	
108-87-2	Methylcyclohexane	49.4	

FORM I

Vista Engineering Technologies, LLC
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6L120000 526
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JLA9D1AC Date Extracted:12/11/06
Dilution factor: 1 Date Analyzed: 12/11/06
Moisture %:NA
QC Batch: 6346526
Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-12-0	Propionitrile	215	
123-91-1	1,4-Dioxane	918	
76-01-7	Pentachloroethane	49.9	
79-20-9	Methyl acetate	42.1	
126-99-8	2-Chloro-1,3-butadiene	51.9	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafl	42.2	
56-23-5	Carbon tetrachloride	49.8	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Toluene-d8	89	(81 - 124)
Dibromofluoromethane	91	(78 - 124)
1,2-Dichloroethane-d4	85	(71 - 125)
4-Bromofluorobenzene	87	(71 - 124)

FORM I

Vista Engineering Technologies, LLC
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AE Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 12/01/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
136777-61-2	m-Xylene & p-Xylene	104	
95-47-6	o-Xylene	52.6	
541-73-1	1,3-Dichlorobenzene	50.6	
106-46-7	1,4-Dichlorobenzene	50.0	
95-50-1	1,2-Dichlorobenzene	50.7	
108-86-1	Bromobenzene	50.2	
74-97-5	Bromochloromethane	55.5	
104-51-8	n-Butylbenzene	46.1	
135-98-8	sec-Butylbenzene	50.5	
98-06-6	tert-Butylbenzene	50.3	
107-05-1	Allyl chloride	53.3	
95-49-8	2-Chlorotoluene	49.8	
106-43-4	4-Chlorotoluene	45.0	
108-94-1	Cyclohexanone	399	
96-12-8	1,2-Dibromo-3-chloropropane	56.8	
106-93-4	1,2-Dibromoethane (EDB)	52.1	
110-57-6	trans-1,4-Dichloro-2-butene	53.1	
75-71-8	Dichlorodifluoromethane (Fre	42.8	
156-59-2	cis-1,2-Dichloroethene	55.1	
156-60-5	trans-1,2-Dichloroethene	55.6	
142-28-9	1,3-Dichloropropane	52.1	
594-20-7	2,2-Dichloropropane	53.4	
563-58-6	1,1-Dichloropropene	52.1	
60-29-7	Ethyl ether	111	
97-63-2	Ethyl methacrylate	54.3	
76-13-1	Freon 113	55.1	
87-68-3	Hexachlorobutadiene	46.2	p
110-54-3	n-Hexane	51.7	

FORM I

Vista Engineering Technologies, LLC
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AE Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 12/01/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
98-82-8	Isopropylbenzene	54.2	
99-87-6	4-Isopropyltoluene	46.6	
80-62-6	Methyl methacrylate	52.8	
1634-04-4	Methyl tert-butyl ether (MTB	56.3	
91-20-3	Naphthalene	56.9	
79-46-9	2-Nitropropane	49.6	
103-65-1	n-Propylbenzene	49.4	
630-20-6	1,1,1,2-Tetrachloroethane	53.9	
109-99-9	Tetrahydrofuran	267	
87-61-6	1,2,3-Trichlorobenzene	51.3	
120-82-1	1,2,4-Trichlorobenzene	50.3	p
75-69-4	Trichlorofluoromethane	56.5	
108-67-8	1,3,5-Trimethylbenzene	48.4	
71-36-3	1-Butanol	453	
75-05-8	Acetonitrile	228	
141-78-6	Ethyl acetate	105	
74-88-4	Iodomethane	67.0	a p
108-05-4	Vinyl acetate	57.5	
107-13-1	Acrylonitrile	231	
110-82-7	Cyclohexane	54.4	
78-83-1	Isobutanol	1020	
126-98-7	Methacrylonitrile	288	
108-87-2	Methylcyclohexane	50.1	
107-12-0	Propionitrile	252	
123-91-1	1,4-Dioxane	1140	
76-01-7	Pentachloroethane	56.3	
79-20-9	Methyl acetate	51.5	
126-99-8	2-Chloro-1,3-butadiene	54.9	

FORM I

Vista Engineering Technologies, LLC
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AE Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 12/01/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
76-14-2	1,2-Dichloro-1,1,2,2-tetrafl	52.0	p
67-64-1	Acetone	58.5	
71-43-2	Benzene	49.9	
75-27-4	Bromodichloromethane	56.7	
75-25-2	Bromoform	51.0	
74-83-9	Bromomethane	51.1	
78-93-3	2-Butanone	55.1	
75-15-0	Carbon disulfide	58.4	
108-90-7	Chlorobenzene	52.5	
124-48-1	Dibromochloromethane	54.2	
75-00-3	Chloroethane	52.8	
67-66-3	Chloroform	67.4	
74-87-3	Chloromethane	50.5	
75-34-3	1,1-Dichloroethane	51.7	
107-06-2	1,2-Dichloroethane	53.0	
75-35-4	1,1-Dichloroethene	55.2	
540-59-0	1,2-Dichloroethene (total)	111	
78-87-5	1,2-Dichloropropane	50.9	
10061-01-5	cis-1,3-Dichloropropene	53.9	
10061-02-6	trans-1,3-Dichloropropene	52.1	
100-41-4	Ethylbenzene	51.2	
591-78-6	2-Hexanone	53.8	
75-09-2	Methylene chloride	54.7	
108-10-1	4-Methyl-2-pentanone	39.5	
100-42-5	Styrene	53.1	
79-34-5	1,1,2,2-Tetrachloroethane	56.4	
127-18-4	Tetrachloroethene	52.0	
108-88-3	Toluene	48.1	

FORM I

Vista Engineering Technologies, LLC
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AE Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 12/01/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	56.9	
79-00-5	1,1,2-Trichloroethane	52.4	
79-01-6	Trichloroethene	58.7	
75-01-4	Vinyl chloride	39.6	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Toluene-d8	106	(68 - 133)
Dibromofluoromethane	111	(74 - 129)
1,2-Dichloroethane-d4	101	(69 - 132)
4-Bromofluorobenzene	100	(64 - 130)

FORM I

Vista Engineering Technologies, LLC
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AD Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 12/01/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
136777-61-2	m-Xylene & p-Xylene	105	
95-47-6	o-Xylene	52.4	
541-73-1	1,3-Dichlorobenzene	47.4	
106-46-7	1,4-Dichlorobenzene	48.3	
95-50-1	1,2-Dichlorobenzene	48.2	
108-86-1	Bromobenzene	44.7	
74-97-5	Bromochloromethane	54.5	
104-51-8	n-Butylbenzene	42.3	
135-98-8	sec-Butylbenzene	46.0	
98-06-6	tert-Butylbenzene	47.4	
107-05-1	Allyl chloride	51.0	
95-49-8	2-Chlorotoluene	45.2	
106-43-4	4-Chlorotoluene	40.1	
108-94-1	Cyclohexanone	396	
96-12-8	1,2-Dibromo-3-chloropropane	51.2	
106-93-4	1,2-Dibromoethane (EDB)	50.7	
110-57-6	trans-1,4-Dichloro-2-butene	50.6	
75-71-8	Dichlorodifluoromethane (Fre	43.1	
156-59-2	cis-1,2-Dichloroethene	53.5	
156-60-5	trans-1,2-Dichloroethene	54.3	
142-28-9	1,3-Dichloropropane	55.2	
594-20-7	2,2-Dichloropropane	54.3	
563-58-6	1,1-Dichloropropene	52.5	
60-29-7	Ethyl ether	108	
97-63-2	Ethyl methacrylate	56.2	
76-13-1	Freon 113	55.3	
87-68-3	Hexachlorobutadiene	36.8	
110-54-3	n-Hexane	50.5	

FORM I

Vista Engineering Technologies, LLC
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AD Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 12/01/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
98-82-8	Isopropylbenzene	52.4	
99-87-6	4-Isopropyltoluene	43.5	
80-62-6	Methyl methacrylate	50.2	
1634-04-4	Methyl tert-butyl ether (MTB	55.3	
91-20-3	Naphthalene	50.6	
79-46-9	2-Nitropropane	46.6	
103-65-1	n-Propylbenzene	47.9	
630-20-6	1,1,1,2-Tetrachloroethane	53.1	
109-99-9	Tetrahydrofuran	250	
87-61-6	1,2,3-Trichlorobenzene	42.4	
120-82-1	1,2,4-Trichlorobenzene	38.2	
75-69-4	Trichlorofluoromethane	56.4	
108-67-8	1,3,5-Trimethylbenzene	44.4	
71-36-3	1-Butanol	381	
75-05-8	Acetonitrile	225	
141-78-6	Ethyl acetate	101	
74-88-4	Iodomethane	53.4	
108-05-4	Vinyl acetate	56.7	
107-13-1	Acrylonitrile	231	
110-82-7	Cyclohexane	51.3	
78-83-1	Isobutanol	1010	
126-98-7	Methacrylonitrile	279	
108-87-2	Methylcyclohexane	49.2	
107-12-0	Propionitrile	245	
123-91-1	1,4-Dioxane	1070	
76-01-7	Pentachloroethane	52.2	
79-20-9	Methyl acetate	49.0	
126-99-8	2-Chloro-1,3-butadiene	51.0	

FORM I

Vista Engineering Technologies, LLC
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AD Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 12/01/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
76-14-2	1,2-Dichloro-1,1,2,2-tetrafl	38.2	
67-64-1	Acetone	57.5	
71-43-2	Benzene	45.8	
75-27-4	Bromodichloromethane	54.7	
75-25-2	Bromoform	52.5	
74-83-9	Bromomethane	51.0	
78-93-3	2-Butanone	52.6	
75-15-0	Carbon disulfide	58.0	
108-90-7	Chlorobenzene	54.3	
124-48-1	Dibromochloromethane	50.6	
75-00-3	Chloroethane	52.4	
67-66-3	Chloroform	65.4	
74-87-3	Chloromethane	52.2	
75-34-3	1,1-Dichloroethane	51.2	
107-06-2	1,2-Dichloroethane	52.3	
75-35-4	1,1-Dichloroethene	53.6	
540-59-0	1,2-Dichloroethene (total)	108	
78-87-5	1,2-Dichloropropane	51.1	
10061-01-5	cis-1,3-Dichloropropene	53.1	
10061-02-6	trans-1,3-Dichloropropene	55.3	
100-41-4	Ethylbenzene	51.0	
591-78-6	2-Hexanone	54.8	
75-09-2	Methylene chloride	50.8	
108-10-1	4-Methyl-2-pentanone	37.9	
100-42-5	Styrene	51.3	
79-34-5	1,1,2,2-Tetrachloroethane	57.6	
127-18-4	Tetrachloroethene	51.1	
108-88-3	Toluene	47.1	

FORM I

Vista Engineering Technologies, LLC
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:W05057

Matrix: (soil/water) WATER Lab Sample ID:F6K280244 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 11/28/06
Work Order: JKE9P1AD Date Extracted:11/30/06
Dilution factor: 1 Date Analyzed: 12/01/06
Moisture %:NA

QC Batch: 6335214

Client Sample Id: B1LB37

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	54.3	
79-00-5	1,1,2-Trichloroethane	54.2	
79-01-6	Trichloroethene	54.9	
75-01-4	Vinyl chloride	39.1	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Toluene-d8	110	(68 - 133)
Dibromofluoromethane	103	(74 - 129)
1,2-Dichloroethane-d4	94	(69 - 132)
4-Bromofluorobenzene	97	(64 - 130)

FORM I

GC/MS ADDITIONAL QC SUMMARY DATA
FORMS 2 THROUGH 4

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Lot #: F6K280244

Extraction: XXI15QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	B1LB37	106	107	98	98	00
02	B1LB37 RE-1	107	111	118	107	00
03	METHOD BLK. JKL3J1AA	104	107	99	96	00
04	METHOD BLK. JLA9D1AA	103	104	104	101	00
05	LCS JKL3J1AC	105	106	101	98	00
06	LCS JLA9D1AC	89	91	85	87	00
07	B1LB37 D	106	111	101	100	00
08	B1LB37 S	110	103	94	97	00

SURROGATES		QC LIMITS
SRG01	= Toluene-d8	(68-133)
SRG02	= Dibromofluoromethane	(74-129)
SRG03	= 1,2-Dichloroethane-d4	(69-132)
SRG04	= 4-Bromofluorobenzene	(64-130)

\# 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: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Lot #: F6K280244

Extraction: XXI15QK2X

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	0 *	0 *	0 *	0 *	04

SURROGATES		QC LIMITS
SRG01	= Toluene-d8	(68-133)
SRG02	= Dibromofluoromethane	(74-129)
SRG03	= 1,2-Dichloroethane-d4	(69-132)
SRG04	= 4-Bromofluorobenzene	(64-130)

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

FORM II

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Matrix Spike ID: B1LB37

Lot #: F6K280244 WO #: JKE9P1AD
BATCH: 6335214

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
cis-1,3-Dichloropropene	50.0	ND	53.1	106	75- 126	
Chloromethane	50.0	ND	52.2	104	61- 143	
Vinyl chloride	50.0	ND	39.1	78	59- 147	
Bromomethane	50.0	ND	51.0	102	43- 150	
Chloroethane	50.0	ND	52.4	105	63- 143	
Acetone	50.0	ND	57.5	115	20- 150	
1,1-Dichloroethene	50.0	ND	53.6	107	70- 131	
Methylene chloride	50.0	ND	50.8	102	34- 149	
Carbon disulfide	50.0	ND	58.0	116	68- 146	
1,1-Dichloroethane	50.0	ND	51.2	102	75- 128	
1,2-Dichloroethene (total	100	ND	108	108	69- 133	
Chloroform	50.0	14	65.4	103	75- 127	
1,1,1-Trichloroethane	50.0	ND	54.3	109	69- 135	
1,2-Dichloroethane	50.0	ND	52.3	105	67- 133	
Benzene	50.0	ND	45.8	92	79- 122	
Trichloroethene	50.0	6.4	54.9	97	71- 124	
1,2-Dichloropropane	50.0	ND	51.1	102	73- 125	
Bromodichloromethane	50.0	ND	54.7	109	76- 130	
1,1,2-Trichloroethane	50.0	ND	54.2	108	70- 122	
trans-1,3-Dichloropropene	50.0	ND	55.3	111	68- 135	
Toluene	50.0	0.21	47.1	94	75- 127	
m-Xylene & p-Xylene	100	ND	105	105	76- 130	
o-Xylene	50.0	ND	52.4	105	78- 126	
1,3-Dichlorobenzene	50.0	ND	47.4	95	74- 125	
1,4-Dichlorobenzene	50.0	ND	48.3	97	69- 123	
1,2-Dichlorobenzene	50.0	ND	48.2	96	72- 125	
2-Hexanone	50.0	ND	54.8	110	56- 138	
4-Methyl-2-pentanone	50.0	ND	37.9	76	43- 150	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Matrix Spike ID: B1LB37

Lot #: F6K280244 WO #: JKE9P1AD
BATCH: 6335214

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Chlorobenzene	50.0	ND	54.3	109	74- 123	
Bromoform	50.0	ND	52.5	105	73- 132	
Ethylbenzene	50.0	ND	51.0	102	81- 121	
Styrene	50.0	ND	51.3	103	81- 126	
1,1,2,2-Tetrachloroethane	50.0	ND	57.6	115	63- 130	
Tetrachloroethene	50.0	0.64	51.1	101	66- 124	
2-Butanone	50.0	ND	52.6	105	59- 139	
Dibromochloromethane	50.0	ND	50.6	101	72- 133	
Bromobenzene	50.0	ND	44.7	89	72- 125	
Bromochloromethane	50.0	ND	54.5	109	70- 130	
n-Butylbenzene	50.0	ND	42.3	85	74- 133	
sec-Butylbenzene	50.0	ND	46.0	92	73- 137	
tert-Butylbenzene	50.0	ND	47.4	95	69- 138	
Allyl chloride	50.0	ND	51.0	102	68- 139	
2-Chlorotoluene	50.0	ND	45.2	90	37- 138	
4-Chlorotoluene	50.0	ND	40.1	80	63- 139	
Cyclohexanone	500	ND	396	79	20- 147	
1,2-Dibromo-3-chloropropa	50.0	ND	51.2	102	62- 133	
1,2-Dibromoethane (EDB)	50.0	ND	50.7	101	70- 125	
trans-1,4-Dichloro-2-bute	50.0	ND	50.6	101	57- 148	
Dichlorodifluoromethane (	50.0	ND	43.1	86	41- 150	
cis-1,2-Dichloroethene	50.0	ND	53.5	107	64- 138	
trans-1,2-Dichloroethene	50.0	ND	54.3	109	72- 130	
1,3-Dichloropropane	50.0	ND	55.2	110	70- 126	
2,2-Dichloropropane	50.0	ND	54.3	109	68- 135	
1,1-Dichloropropene	50.0	ND	52.5	105	76- 126	
Ethyl ether	100	ND	108	108	67- 142	
Ethyl methacrylate	50.0	ND	56.2	112	67- 137	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Matrix Spike ID: B1LB37

Lot #: F6K280244 WO #: JKE9P1AD
BATCH: 6335214

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Freon 113	50.0	ND	55.3	111	64- 140	
Hexachlorobutadiene	50.0	ND	36.8	74	47- 143	
n-Hexane	50.0	ND	50.5	101	72- 131	
Isopropylbenzene	50.0	ND	52.4	105	72- 136	
4-Isopropyltoluene	50.0	ND	43.5	87	75- 137	
Methyl methacrylate	50.0	ND	50.2	100	64- 136	
Methyl tert-butyl ether (	50.0	ND	55.3	111	76- 126	
Naphthalene	50.0	ND	50.6	101	60- 134	
2-Nitropropane	50.0	ND	46.6	93	55- 150	
n-Propylbenzene	50.0	ND	47.9	96	70- 140	
1,1,1,2-Tetrachloroethane	50.0	ND	53.1	106	74- 122	
Tetrahydrofuran	250	ND	250	100	69- 143	
1,2,3-Trichlorobenzene	50.0	ND	42.4	85	59- 135	
1,2,4-Trichlorobenzene	50.0	ND	38.2	76	59- 135	
Trichlorofluoromethane	50.0	ND	56.4	113	59- 150	
1,3,5-Trimethylbenzene	50.0	ND	44.4	89	73- 136	
1-Butanol	500	ND	381	76	22- 150	
Acetonitrile	250	ND	225	90	20- 150	
Ethyl acetate	100	ND	101	101	61- 150	
Iodomethane	50.0	ND	53.4	107	72- 127	
Vinyl acetate	50.0	ND	56.7	113	80- 150	
Acrylonitrile	250	ND	231	92	75- 139	
Cyclohexane	50.0	ND	51.3	103	79- 132	
Isobutanol	1000	ND	1010	101	32- 150	
Methacrylonitrile	250	ND	279	112	75- 144	
Methylcyclohexane	50.0	ND	49.2	98	72- 138	
Propionitrile	250	ND	245	98	64- 146	
1,4-Dioxane	1000	ND	1070	107	27- 150	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Matrix Spike ID: B1LB37

Lot #: F6K280244 WO #: JKE9P1AD
BATCH: 6335214

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Pentachloroethane	50.0	ND	52.2	104	68- 144	
Methyl acetate	50.0	ND	49.0	98	73- 117	
2-Chloro-1,3-butadiene	50.0	ND	51.0	102	76- 144	
1,2-Dichloro-1,1,2,2-tetr	50.0	ND	38.2	76	59- 131	

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 88 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Matrix Spike ID: B1LB37

Lot #: F6K280244 WO #: JKE9P1AE
BATCH: 6335214

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Benzene	50.0	49.9	100	8.6		20	79- 122	
Trichloroethene	50.0	58.7	105	6.8		20	71- 124	
1,2-Dichloropropane	50.0	50.9	102	0.43		20	73- 125	
Bromodichloromethane	50.0	56.7	113	3.5		20	76- 130	
1,1,2-Trichloroethane	50.0	52.4	105	3.5		20	70- 122	
trans-1,3-Dichloropropene	50.0	52.1	104	6.0		20	68- 135	
Toluene	50.0	48.1	96	2.2		20	75- 127	
m-Xylene & p-Xylene	100	104	104	0.67		20	76- 130	
o-Xylene	50.0	52.6	105	0.26		20	78- 126	
1,3-Dichlorobenzene	50.0	50.6	101	6.4		20	74- 125	
1,4-Dichlorobenzene	50.0	50.0	100	3.5		20	69- 123	
1,2-Dichlorobenzene	50.0	50.7	101	5.0		20	72- 125	
2-Hexanone	50.0	53.8	108	2.0		20	56- 138	
4-Methyl-2-pentanone	50.0	39.5	79	4.2		20	43- 150	
Chlorobenzene	50.0	52.5	105	3.5		20	74- 123	
Bromoform	50.0	51.0	102	2.9		20	73- 132	
Ethylbenzene	50.0	51.2	102	0.23		20	81- 121	
Styrene	50.0	53.1	106	3.3		20	81- 126	
1,1,2,2-Tetrachloroethane	50.0	56.4	113	2.2		20	63- 130	
Tetrachloroethene	50.0	52.0	103	1.7		20	66- 124	
2-Butanone	50.0	55.1	110	4.7		20	59- 139	
Dibromochloromethane	50.0	54.2	108	6.9		20	72- 133	
Bromobenzene	50.0	50.2	100	12		20	72- 125	
Bromochloromethane	50.0	55.5	111	1.8		20	70- 130	
n-Butylbenzene	50.0	46.1	92	8.7		20	74- 133	
sec-Butylbenzene	50.0	50.5	101	9.3		20	73- 137	
tert-Butylbenzene	50.0	50.3	101	5.9		20	69- 138	
Allyl chloride	50.0	53.3	107	4.4		20	68- 139	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Matrix Spike ID: B1LB37

Lot #: F6K280244 WO #: JKE9P1AE
BATCH: 6335214

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
2-Chlorotoluene	50.0	49.8	100	9.7	20	37- 138	
4-Chlorotoluene	50.0	45.0	90	12	20	63- 139	
Cyclohexanone	500	399	80	0.93	20	20- 147	
1,2-Dibromo-3-chloropropa	50.0	56.8	114	10	20	62- 133	
1,2-Dibromoethane (EDB)	50.0	52.1	104	2.6	20	70- 125	
trans-1,4-Dichloro-2-bute	50.0	53.1	106	4.9	20	57- 148	
Dichlorodifluoromethane (	50.0	42.8	86	0.72	20	41- 150	
cis-1,2-Dichloroethene	50.0	55.1	110	3.0	20	64- 138	
trans-1,2-Dichloroethene	50.0	55.6	111	2.3	20	72- 130	
1,3-Dichloropropane	50.0	52.1	104	5.8	20	70- 126	
2,2-Dichloropropane	50.0	53.4	107	1.6	20	68- 135	
1,1-Dichloropropene	50.0	52.1	104	0.80	20	76- 126	
cis-1,3-Dichloropropene	50.0	53.9	108	1.4	20	75- 126	
Chloromethane	50.0	50.5	101	3.3	20	61- 143	
Vinyl chloride	50.0	39.6	79	1.2	20	59- 147	
Bromomethane	50.0	51.1	102	0.11	20	43- 150	
Chloroethane	50.0	52.8	106	0.68	20	63- 143	
Acetone	50.0	58.5	117	1.7	20	20- 150	
1,1-Dichloroethene	50.0	55.2	110	3.0	20	70- 131	
Methylene chloride	50.0	54.7	109	7.4	20	34- 149	
Carbon disulfide	50.0	58.4	117	0.67	20	68- 146	
1,1-Dichloroethane	50.0	51.7	103	1.0	20	75- 128	
1,2-Dichloroethene (total	100	111	111	2.6	20	69- 133	
Chloroform	50.0	67.4	107	3.0	20	75- 127	
1,1,1-Trichloroethane	50.0	56.9	114	4.7	20	69- 135	
1,2-Dichloroethane	50.0	53.0	106	1.3	20	67- 133	
Ethyl ether	100	111	111	3.2	20	67- 142	
Ethyl methacrylate	50.0	54.3	109	3.4	20	67- 137	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Matrix Spike ID: B1LB37

Lot #: F6K280244 WO #: JKE9P1AE
BATCH: 6335214

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Freon 113	50.0	55.1	110	0.38		20	64- 140	
Hexachlorobutadiene	50.0	46.2	92	23	*	20	47- 143	p
n-Hexane	50.0	51.7	103	2.4		20	72- 131	
Isopropylbenzene	50.0	54.2	108	3.2		20	72- 136	
4-Isopropyltoluene	50.0	46.6	93	6.8		20	75- 137	
Methyl methacrylate	50.0	52.8	106	4.9		20	64- 136	
Methyl tert-butyl ether (	50.0	56.3	113	1.8		20	76- 126	
Naphthalene	50.0	56.9	114	12		20	60- 134	
2-Nitropropane	50.0	49.6	99	6.2		20	55- 150	
n-Propylbenzene	50.0	49.4	99	3.1		20	70- 140	
1,1,1,2-Tetrachloroethane	50.0	53.9	108	1.5		20	74- 122	
Tetrahydrofuran	250	267	107	6.4		20	69- 143	
1,2,3-Trichlorobenzene	50.0	51.3	103	19		20	59- 135	
1,2,4-Trichlorobenzene	50.0	50.3	101	27	*	20	59- 135	p
Trichlorofluoromethane	50.0	56.5	113	0.19		20	59- 150	
1,3,5-Trimethylbenzene	50.0	48.4	97	8.6		20	73- 136	
1-Butanol	500	453	91	17		20	22- 150	
Acetonitrile	250	228	91	1.4		20	20- 150	
Ethyl acetate	100	105	105	3.8		20	61- 150	
Iodomethane	50.0	67.0	134*	23	*	20	72- 127	a p
Vinyl acetate	50.0	57.5	115	1.5		20	80- 150	
Acrylonitrile	250	231	92	0.17		20	75- 139	
Cyclohexane	50.0	54.4	109	5.7		20	79- 132	
Isobutanol	1000	1020	102	0.98		20	32- 150	
Methacrylonitrile	250	288	115	3.4		20	75- 144	
Methylcyclohexane	50.0	50.1	100	1.8		20	72- 138	
Propionitrile	250	252	101	2.8		20	64- 146	
1,4-Dioxane	1000	1140	114	6.7		20	27- 150	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Matrix Spike ID: B1LB37

Lot #: F6K280244 WO #: JKE9P1AE
BATCH: 6335214

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Pentachloroethane	50.0	56.3	113	7.7		20	68- 144	
Methyl acetate	50.0	51.5	103	5.0		20	73- 117	
2-Chloro-1,3-butadiene	50.0	54.9	110	7.4		20	76- 144	
1,2-Dichloro-1,1,2,2-tetr	50.0	52.0	104	31	*	20	59- 131	p

NOTES(S):

p Relative percent difference (RPD) is outside stated control limits.

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: 4 out of 88 outside limits
Spike Recovery: 1 out of 88 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Lot #: F6L010000 WO #: JKL3J1AC
BATCH: 6335214

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
cis-1,3-Dichloropropene	50.0	50.3	101	78- 122	
Dibromochloromethane	50.0	53.3	107	73- 130	
Chloromethane	50.0	45.1	90	68- 136	
Vinyl chloride	50.0	36.7	73	67- 137	
Bromomethane	50.0	46.3	93	43- 152	
Chloroethane	50.0	48.2	96	62- 139	
Acetone	50.0	54.2	108	40- 150	
1,1-Dichloroethene	50.0	52.7	105	71- 123	
Methylene chloride	50.0	46.3	93	38- 143	
Carbon disulfide	50.0	54.4	109	71- 137	
1,1-Dichloroethane	50.0	49.6	99	77- 119	
2-Butanone	50.0	50.0	100	61- 133	
1,2-Dichloroethene (total	100	106	106	76- 122	
Chloroform	50.0	51.0	102	75- 120	
1,1,1-Trichloroethane	50.0	52.3	105	69- 128	
Carbon tetrachloride	50.0	50.8	102	65- 134	
1,2-Dichloroethane	50.0	51.5	103	67- 123	
Benzene	50.0	47.9	96	80- 116	
Trichloroethene	50.0	50.0	100	70- 120	
1,2-Dichloropropane	50.0	48.0	96	73- 120	
Bromodichloromethane	50.0	51.7	103	76- 124	
1,1,2-Trichloroethane	50.0	52.4	105	75- 113	
trans-1,3-Dichloropropene	50.0	51.9	104	76- 126	
Toluene	50.0	47.4	95	80- 122	
m-Xylene & p-Xylene	100	99.4	99	78- 124	
o-Xylene	50.0	50.2	100	78- 123	
1,3-Dichlorobenzene	50.0	48.2	96	72- 126	
1,4-Dichlorobenzene	50.0	48.8	98	66- 126	
2-Hexanone	50.0	52.2	104	64- 135	
4-Methyl-2-pentanone	50.0	53.3	107	66- 139	
Chlorobenzene	50.0	50.6	101	75- 121	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Lot #: F6L010000 WO #: JKL3J1AC
BATCH: 6335214

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Bromoform	50.0	51.1	102	81- 126	
Ethylbenzene	50.0	47.8	96	81- 114	
Styrene	50.0	50.7	101	82- 124	
1,1,2,2-Tetrachloroethane	50.0	53.4	107	73- 116	
Tetrachloroethene	50.0	52.2	104	71- 126	
1,2-Dichlorobenzene	50.0	50.1	100	71- 127	
Bromobenzene	50.0	47.9	96	73- 121	
Bromochloromethane	50.0	53.8	108	73- 123	
n-Butylbenzene	50.0	44.8	90	75- 129	
sec-Butylbenzene	50.0	48.2	96	71- 134	
tert-Butylbenzene	50.0	48.1	96	68- 130	
Allyl chloride	50.0	49.3	99	66- 129	
2-Chlorotoluene	50.0	47.8	96	64- 133	
4-Chlorotoluene	50.0	41.8	84	59- 136	
Cyclohexanone	500	505	101	52- 150	
1,2-Dibromo-3-chloropropa	50.0	55.8	112	61- 132	
1,2-Dibromoethane (EDB)	50.0	52.0	104	75- 119	
trans-1,4-Dichloro-2-bute	50.0	52.0	104	62- 142	
Dichlorodifluoromethane (	50.0	42.6	85	46- 147	
cis-1,2-Dichloroethene	50.0	52.5	105	77- 121	
trans-1,2-Dichloroethene	50.0	52.9	106	72- 125	
1,3-Dichloropropane	50.0	51.5	103	78- 115	
2,2-Dichloropropane	50.0	50.2	100	67- 130	
1,1-Dichloropropene	50.0	49.4	99	78- 117	
Ethyl methacrylate	50.0	53.5	107	73- 133	
Freon 113	50.0	51.4	103	63- 135	
Hexachlorobutadiene	50.0	47.0	94	40- 149	
n-Hexane	50.0	46.7	93	74- 122	
Isopropylbenzene	50.0	50.5	101	72- 130	
4-Isopropyltoluene	50.0	45.0	90	76- 131	
Methyl methacrylate	50.0	49.6	99	68- 131	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Lot #: F6L010000 WO #: JKL3J1AC
BATCH: 6335214

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Methyl tert-butyl ether (	50.0	53.4	107	77- 122	
Naphthalene	50.0	50.9	102	60- 141	
2-Nitropropane	50.0	46.5	93	40- 150	
n-Propylbenzene	50.0	47.7	95	69- 136	
1,1,1,2-Tetrachloroethane	50.0	52.0	104	75- 118	
Tetrahydrofuran	250	252	101	70- 133	
1,2,3-Trichlorobenzene	50.0	47.6	95	55- 141	
1,2,4-Trichlorobenzene	50.0	43.5	87	56- 143	
Trichlorofluoromethane	50.0	52.4	105	57- 144	
1,3,5-Trimethylbenzene	50.0	46.4	93	75- 129	
Ethyl ether	100	104	104	70- 136	
1-Butanol	500	500	100	39- 150	
Acetonitrile	250	210	84	47- 143	
Ethyl acetate	100	97.6	98	69- 132	
2-Chloroethyl vinyl ether	50.0	53.5	107	40- 150	
Iodomethane	50.0	68.0	136*	78- 117	a
Vinyl acetate	50.0	55.0	110	70- 150	
Acrylonitrile	250	213	85	40- 150	
Cyclohexane	50.0	50.2	100	87- 116	
Isobutanol	1000	886	89	46- 153	
Methacrylonitrile	250	266	106	75- 133	
Methylcyclohexane	50.0	46.2	92	80- 115	
Propionitrile	250	237	95	66- 133	
1,4-Dioxane	1000	1140	114	38- 150	
Pentachloroethane	50.0	49.1	98	52- 140	
Methyl acetate	50.0	50.6	101	66- 120	
2-Chloro-1,3-butadiene	50.0	49.2	98	82- 122	
1,2-Dichloro-1,1,2,2-tetr	50.0	45.4	91	55- 135	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 90 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Lot #: F6L120000 WO #: JLA9D1AC
BATCH: 6346526

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
cis-1,3-Dichloropropene	50.0	52.8	106	78- 122	
Dibromochloromethane	50.0	48.0	96	73- 130	
Chloromethane	50.0	39.8	80	68- 136	
Vinyl chloride	50.0	40.8	82	67- 137	
Bromomethane	50.0	42.6	85	43- 152	
Chloroethane	50.0	41.2	82	62- 139	
Acetone	50.0	40.7	81	40- 150	
1,1-Dichloroethene	50.0	48.7	97	71- 123	
Methylene chloride	50.0	53.7	107	38- 143	
Carbon disulfide	50.0	49.2	98	71- 137	
1,1-Dichloroethane	50.0	48.4	97	77- 119	
2-Butanone	50.0	42.5	85	61- 133	
1,2-Dichloroethene (total	100	102	102	76- 122	
Chloroform	50.0	48.3	97	75- 120	
1,1,1-Trichloroethane	50.0	51.2	102	69- 128	
Carbon tetrachloride	50.0	49.8	100	65- 134	
1,2-Dichloroethane	50.0	47.1	94	67- 123	
Benzene	50.0	49.2	98	80- 116	
Trichloroethene	50.0	51.2	102	70- 120	
1,2-Dichloropropane	50.0	48.6	97	73- 120	
Bromodichloromethane	50.0	49.2	98	76- 124	
1,1,2-Trichloroethane	50.0	46.2	92	75- 113	
trans-1,3-Dichloropropene	50.0	51.5	103	76- 126	
Toluene	50.0	49.9	100	80- 122	
m-Xylene & p-Xylene	100	103	103	78- 124	
o-Xylene	50.0	53.2	106	78- 123	
1,3-Dichlorobenzene	50.0	50.8	102	72- 126	
1,4-Dichlorobenzene	50.0	47.1	94	66- 126	
2-Hexanone	50.0	44.1	88	64- 135	
4-Methyl-2-pentanone	50.0	49.2	98	66- 139	
Chlorobenzene	50.0	48.4	97	75- 121	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Lot #: F6L120000 WO #: JLA9D1AC
BATCH: 6346526

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Bromoform	50.0	49.2	98	81- 126	
Ethylbenzene	50.0	48.5	97	81- 114	
Styrene	50.0	55.1	110	82- 124	
1,1,2,2-Tetrachloroethane	50.0	43.9	88	73- 116	
Tetrachloroethene	50.0	51.2	102	71- 126	
1,2-Dichlorobenzene	50.0	48.8	98	71- 127	
Bromobenzene	50.0	51.3	103	73- 121	
Bromochloromethane	50.0	47.8	96	73- 123	
n-Butylbenzene	50.0	52.6	105	75- 129	
sec-Butylbenzene	50.0	53.4	107	71- 134	
tert-Butylbenzene	50.0	54.9	110	68- 130	
Allyl chloride	50.0	47.9	96	66- 129	
2-Chlorotoluene	50.0	54.7	109	64- 133	
4-Chlorotoluene	50.0	52.2	104	59- 136	
Cyclohexanone	500	495	99	52- 150	
1,2-Dibromo-3-chloropropa	50.0	46.7	93	61- 132	
1,2-Dibromoethane (EDB)	50.0	48.6	97	75- 119	
trans-1,4-Dichloro-2-bute	50.0	43.7	87	62- 142	
Dichlorodifluoromethane (	50.0	35.3	71	46- 147	
cis-1,2-Dichloroethene	50.0	52.1	104	77- 121	
trans-1,2-Dichloroethene	50.0	49.8	100	72- 125	
1,3-Dichloropropane	50.0	45.4	91	78- 115	
2,2-Dichloropropane	50.0	53.6	107	67- 130	
1,1-Dichloropropene	50.0	52.3	105	78- 117	
Ethyl methacrylate	50.0	50.9	102	73- 133	
Freon 113	50.0	50.6	101	63- 135	
Hexachlorobutadiene	50.0	53.6	107	40- 149	
n-Hexane	50.0	49.4	99	74- 122	
Isopropylbenzene	50.0	54.2	108	72- 130	
4-Isopropyltoluene	50.0	55.9	112	76- 131	
Methyl methacrylate	50.0	47.3	95	68- 131	

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SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Vista Engineering Technologies, LLC

Lab Code: STLSTL SDG No: W05057

Lot #: F6L120000 WO #: JLA9D1AC
BATCH: 6346526

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Methyl tert-butyl ether (	50.0	47.3	95	77- 122	
Naphthalene	50.0	47.1	94	60- 141	
2-Nitropropane	50.0	38.8	78	40- 150	
n-Propylbenzene	50.0	53.5	107	69- 136	
1,1,1,2-Tetrachloroethane	50.0	48.5	97	75- 118	
Tetrahydrofuran	250	237	95	70- 133	
1,2,3-Trichlorobenzene	50.0	49.7	99	55- 141	
1,2,4-Trichlorobenzene	50.0	52.0	104	56- 143	
Trichlorofluoromethane	50.0	41.9	84	57- 144	
1,3,5-Trimethylbenzene	50.0	54.8	110	75- 129	
Ethyl ether	100	84.4	84	70- 136	
1-Butanol	500	496	99	39- 150	
Acetonitrile	250	205	82	47- 143	
Ethyl acetate	100	81.9	82	69- 132	
2-Chloroethyl vinyl ether	50.0	54.9	110	40- 150	
Iodomethane	50.0	66.3	133*	78- 117	a
Vinyl acetate	50.0	50.2	100	70- 150	
Acrolein	250	194	77	40- 150	
Acrylonitrile	250	223	89	40- 150	
Cyclohexane	50.0	52.3	105	87- 116	
Isobutanol	1000	790	79	46- 153	
Methacrylonitrile	250	222	89	75- 133	
Methylcyclohexane	50.0	49.4	99	80- 115	
Propionitrile	250	215	86	66- 133	
1,4-Dioxane	1000	918	92	38- 150	
Pentachloroethane	50.0	49.9	100	52- 140	
Methyl acetate	50.0	42.1	84	66- 120	
2-Chloro-1,3-butadiene	50.0	51.9	104	82- 122	
1,2-Dichloro-1,1,2,2-tetr	50.0	42.2	84	55- 135	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 91 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.
JKL3J1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLSTL

SDG Number:W05057

Lab File ID: GBLK4248

Lot Number: F6K280244

Date Analyzed: 11/30/06

Time Analyzed: 16:25

Matrix: WATER

Date Extracted:11/30/06

GC Column: RTX-502.2 ID: .53

Extraction Method: 5030B/8260B

Instrument ID: MSG

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	B1LB37	JKE9P1AC	GSMP4260	11/30/06	23:44
02	B1LB37	JKE9P1AD S	GSMP4261	12/01/06	00:21
03	B1LB37	JKE9P1AE D	GSMP4262	12/01/06	00:58
04	CHECK SAMPLE	JKL3J1AC C	GLCS4246	11/30/06	15:12
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
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25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.
JLA9D1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLSTL

SDG Number:W05057

Lab File ID: FBLK0921A

Lot Number: F6K280244

Date Analyzed: 12/11/06

Time Analyzed: 16:21

Matrix: WATER

Date Extracted:12/11/06

GC Column: RTX-502.2 ID: .25

Extraction Method: 5030B/8260B

Instrument ID: MSF

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	B1LB37	JKE9P2AC	FSMP0928	12/11/06	19:12
02	CHECK SAMPLE	JLA9D1AC C	FLCS0919A	12/11/06	15:32
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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27					
28					
29					
30					

COMMENTS:

FORM IV

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

Lab File ID: GBFB4166 BFB Injection Date: 11/27/06

Instrument ID: MSG BFB Injection Time: 1805

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	49.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	57.1
175	5.0 - 9.0% of mass 174	4.3 (7.5)1
176	95.0 - 101.0% of mass 174	57.3 (100.4)1
177	5.0 - 9.0% of mass 176	3.8 (6.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD002.5	VSTD002.5	GCAL4169	11/27/06	1932
02	VSTD005	VSTD005	GCAL4170	11/27/06	2008
03	VSTD010	VSTD010	GCAL4171	11/27/06	2045
04	VSTD020	VSTD020	GCAL4172	11/27/06	2121
05	VSTD050	VSTD050	GCAL4173	11/27/06	2157
06	VSTD100	VSTD100	GCAL4174	11/27/06	2234
07	VSTD200	VSTD200	GCAL4175	11/27/06	2310
08	ICV050	ICV050	GLCS4178	11/28/06	0059
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

Lab File ID: GBFB4244 BFB Injection Date: 11/30/06

Instrument ID: MSG BFB Injection Time: 1416

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.4
75	30.0 - 60.0% of mass 95	55.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	9.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	53.2
175	5.0 - 9.0% of mass 174	4.1 (7.8)1
176	95.0 - 101.0% of mass 174	52.2 (98.1)1
177	5.0 - 9.0% of mass 176	3.5 (6.8)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	GCAL4245	11/30/06	1436
02	JKL3J1AC	JKL3J1AC	GLCS4246	11/30/06	1512
03	JKL3J1AA	JKL3J1AA	GBLK4248	11/30/06	1625
04	B1LB37	JKE9P1AC	GSMP4260	11/30/06	2344
05	B1LB37S	JKE9P1AD	GSMP4261	12/01/06	0021
06	B1LB37D	JKE9P1AE	GSMP4262	12/01/06	0058
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

Lab File ID: FBFB0859 BFB Injection Date: 12/07/06

Instrument ID: MSF BFB Injection Time: 1316

GC Column: RTX-502.2 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	56.6
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	0.0 (0.0)1
174	Greater than 50.0% of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.1 (7.0)1
176	95.0 - 101.0% of mass 174	70.0 (96.5)1
177	5.0 - 9.0% of mass 176	4.8 (6.9)2

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

THIS CHECK 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	VSTD001	FCAL0860	12/07/06	1340
02	VSTD002	VSTD002	FCAL0861	12/07/06	1404
03	VSTD005	VSTD005	FCAL0862	12/07/06	1429
04	VSTD010	VSTD010	FCAL0863	12/07/06	1453
05	VSTD020	VSTD020	FCAL0864	12/07/06	1518
06	VSTD050	VSTD050	FCAL0865	12/07/06	1542
07	VSTD100	VSTD100	FCAL0866	12/07/06	1607
08	VSTD200	VSTD200	FCAL0867	12/07/06	1631
09	ICV050	ICV050	FICV0869	12/07/06	1803
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

Lab File ID: FBFB0915 BFB Injection Date: 12/11/06

Instrument ID: MSF BFB Injection Time: 1350

GC Column: RTX-502.2 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.3
173	Less than 2.0% of mass 174	0.7 (1.0)1
174	Greater than 50.0% of mass 95	71.6
175	5.0 - 9.0% of mass 174	5.8 (8.1)1
176	95.0 - 101.0% of mass 174	70.2 (98.1)1
177	5.0 - 9.0% of mass 176	3.8 (5.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	FCAL0918	12/11/06	1454
02	JLA9D1AC	JLA9D1AC	FLCS0919A	12/11/06	1532
03	JLA9D1AA	JLA9D1AA	FBLK0921A	12/11/06	1621
04	B1LB37	JKE9P2AC	FSMP0928	12/11/06	1912
05					
06					
07					
08					
09					
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12					
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FORM V VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

Lab File ID (Standard): GCAL4245 Date Analyzed: 11/30/06

Instrument ID: MSG Time Analyzed: 1436

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	3061626	10.05	2276877	18.36	1255220	24.79
UPPER LIMIT	6123252	10.55	4553754	18.86	2510440	25.29
LOWER LIMIT	1530813	9.55	1138439	17.86	627610	24.29
CLIENT SAMPLE NO.						
JKL3J1AC	3022312	10.07	2256729	18.38	1202011	24.81
JKL3J1AA	3282498	10.07	2442629	18.34	1245046	24.79
B1LB37	2510051	10.14	1927602	18.41	983516	24.85
B1LB37S	2630569	10.12	1943163	18.42	1087731	24.85
B1LB37D	2702964	10.12	2124375	18.42	1141506	24.87

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

Lab File ID (Standard): FCAL0918 Date Analyzed: 12/11/06

Instrument ID: MSF Time Analyzed: 1454

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	848592	7.46	523983	10.92	254858	12.79
UPPER LIMIT	1697184	7.96	1047966	11.42	509716	13.29
LOWER LIMIT	424296	6.96	261992	10.42	127429	12.29
CLIENT SAMPLE NO.						
JLA9D1AC	928134	7.46	586150	10.91	284381	12.79
JLA9D1AA	764867	7.46	459692	10.92	223870	12.80
B1LB37	567082	7.47	332364	10.92	159435	12.79

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII VOA

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

GC Column: RTX-502.2 ID: 0.53 (mm) Init. Calib. Date(s): 11/27/06 11/27/06

Instrument ID: MSG

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 8.35 S2 : 9.37

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
VSTD002.5	VSTD002.5	11/27/06	1932	8.35	9.37
VSTD005	VSTD005	11/27/06	2008	8.35	9.35
VSTD010	VSTD010	11/27/06	2045	8.35	9.35
VSTD020	VSTD020	11/27/06	2121	8.35	9.36
VSTD050	VSTD050	11/27/06	2157	8.35	9.37
VSTD100	VSTD100	11/27/06	2234	8.35	9.36
VSTD200	VSTD200	11/27/06	2310	8.36	9.37
ICV050	ICV050	11/28/06	0059	8.35	9.35
VSTD050	VSTD050	11/30/06	1436	8.33	9.35
JKL3J1AC	JKL3J1AC	11/30/06	1512	8.37	9.37
JKL3J1AA	JKL3J1AA	11/30/06	1625	8.35	9.35
B1LB37	JKE9P1AC	11/30/06	2344	8.41	9.44
B1LB37S	JKE9P1AD	12/01/06	0021	8.40	9.43
B1LB37D	JKE9P1AE	12/01/06	0058	8.40	9.43

QC LIMITS
S1 = Dibromofluoromethane (+/- 0.50 MINUTES)
S2 = 1,2-Dichloroethane-d4 (+/- 0.50 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

GC Column: RTX-502.2 ID: 0.53 (mm) Init. Calib. Date(s): 11/27/06 11/27/06

Instrument ID: MSG

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S3 : 14.00 S4 : 22.29

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S3 RT #	S4 RT #
VSTD002.5	VSTD002.5	11/27/06	1932	14.01	22.27
VSTD005	VSTD005	11/27/06	2008	14.00	22.29
VSTD010	VSTD010	11/27/06	2045	14.00	22.29
VSTD020	VSTD020	11/27/06	2121	13.98	22.29
VSTD050	VSTD050	11/27/06	2157	14.00	22.29
VSTD100	VSTD100	11/27/06	2234	14.00	22.30
VSTD200	VSTD200	11/27/06	2310	14.00	22.29
ICV050	ICV050	11/28/06	0059	14.00	22.32
VSTD050	VSTD050	11/30/06	1436	14.00	22.27
JKL3J1AC	JKL3J1AC	11/30/06	1512	14.03	22.31
JKL3J1AA	JKL3J1AA	11/30/06	1625	14.00	22.29
B1LB37	JKE9P1AC	11/30/06	2344	14.07	22.38
B1LB37S	JKE9P1AD	12/01/06	0021	14.05	22.36
B1LB37D	JKE9P1AE	12/01/06	0058	14.03	22.38

	QC LIMITS
S3 = Toluene-d8	(+/- 0.50 MINUTES)
S4 = 4-Bromofluorobenzene	(+/- 0.50 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

GC Column: RTX-502.2 ID: 0.53 (mm) Init. Calib. Date(s):

Instrument ID: MSG

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
VBFB	50NG BFB	11/27/06	1805		
VBFB	50NG BFB	11/30/06	1416		

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII VOA

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

GC Column: RTX-VMS ID: 0.25 (mm) Init. Calib. Date(s): 12/07/06 12/07/06

Instrument ID: MSF

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 9.37 S2 : 6.43

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
VSTD001	VSTD001	12/07/06	1340	9.37	
VSTD002	VSTD002	12/07/06	1404	9.37	6.43
VSTD005	VSTD005	12/07/06	1429	9.38	6.43
VSTD010	VSTD010	12/07/06	1453	9.37	6.43
VSTD020	VSTD020	12/07/06	1518	9.38	6.43
VSTD050	VSTD050	12/07/06	1542	9.37	6.43
VSTD100	VSTD100	12/07/06	1607	9.37	6.43
VSTD200	VSTD200	12/07/06	1631	9.37	6.43
ICV050	ICV050	12/07/06	1803	9.37	6.43
JLA9D1AC	JLA9D1AC	12/11/06	1532	9.37	6.43
JLA9D1AA	JLA9D1AA	12/11/06	1621	9.38	6.43
B1LB37	JKE9P2AC	12/11/06	1912	9.38	6.44

QC LIMITS
S1 = Toluene-d8 (+/- 0.50 MINUTES)
S2 = Dibromofluoromethane (+/- 0.50 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

GC Column: RTX-VMS ID: 0.25 (mm) Init. Calib. Date(s): 12/07/06 12/07/06

Instrument ID: MSF

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S3 : 7.11 S4 : 11.93

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S3 RT #	S4 RT #
VSTD001	VSTD001	12/07/06	1340	7.11	11.94
VSTD002	VSTD002	12/07/06	1404	7.11	11.94
VSTD005	VSTD005	12/07/06	1429	7.11	11.94
VSTD010	VSTD010	12/07/06	1453	7.11	11.94
VSTD020	VSTD020	12/07/06	1518	7.11	11.94
VSTD050	VSTD050	12/07/06	1542	7.11	11.93
VSTD100	VSTD100	12/07/06	1607	7.11	11.93
VSTD200	VSTD200	12/07/06	1631	7.11	11.93
ICV050	ICV050	12/07/06	1803	7.11	11.93
JLA9D1AC	JLA9D1AC	12/11/06	1532	7.11	11.93
JLA9D1AA	JLA9D1AA	12/11/06	1621	7.11	11.94
B1LB37	JKE9P2AC	12/11/06	1912	7.11	11.94

QC LIMITS
S3 = 1,2-Dichloroethane-d4 (+/- 0.50 MINUTES)
S4 = 4-Bromofluorobenzene (+/- 0.50 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

GC Column: RTX-502.2 ID: 0.25 (mm) Init. Calib. Date(s):

Instrument ID: MSF

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
VBFB	50NG BFB	12/07/06	1316		
VBFB	50NG BFB	12/11/06	1350		

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII VOA

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

GC Column: RTX-VMS ID: 0.25 (mm) Init. Calib. Date(s): 12/07/06 12/07/06

Instrument ID: MSF

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 6.43 S2 : 7.11

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
VSTD050	VSTD050	12/11/06	1454	6.43	7.11

QC LIMITS
S1 = Dibromofluoromethane (+/- 0.50 MINUTES)
S2 = 1,2-Dichloroethane-d4 (+/- 0.50 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: Contract: 1379209

Lab Code: Case No.: SAS No.: SDG No.: W05057

GC Column: RTX-VMS ID: 0.25 (mm) Init. Calib. Date(s): 12/07/06 12/07/06

Instrument ID: MSF

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S3 : 9.38 S4 : 11.94

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S3 RT #	S4 RT #
VSTD050	VSTD050	12/11/06	1454	9.38	11.94

QC LIMITS
S3 = Toluene-d8 (+/- 0.50 MINUTES)
S4 = 4-Bromofluorobenzene (+/- 0.50 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

GC/MS STANDARDS DATA

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GBFB4166.D

Date : 27-NOV-2006 18:05

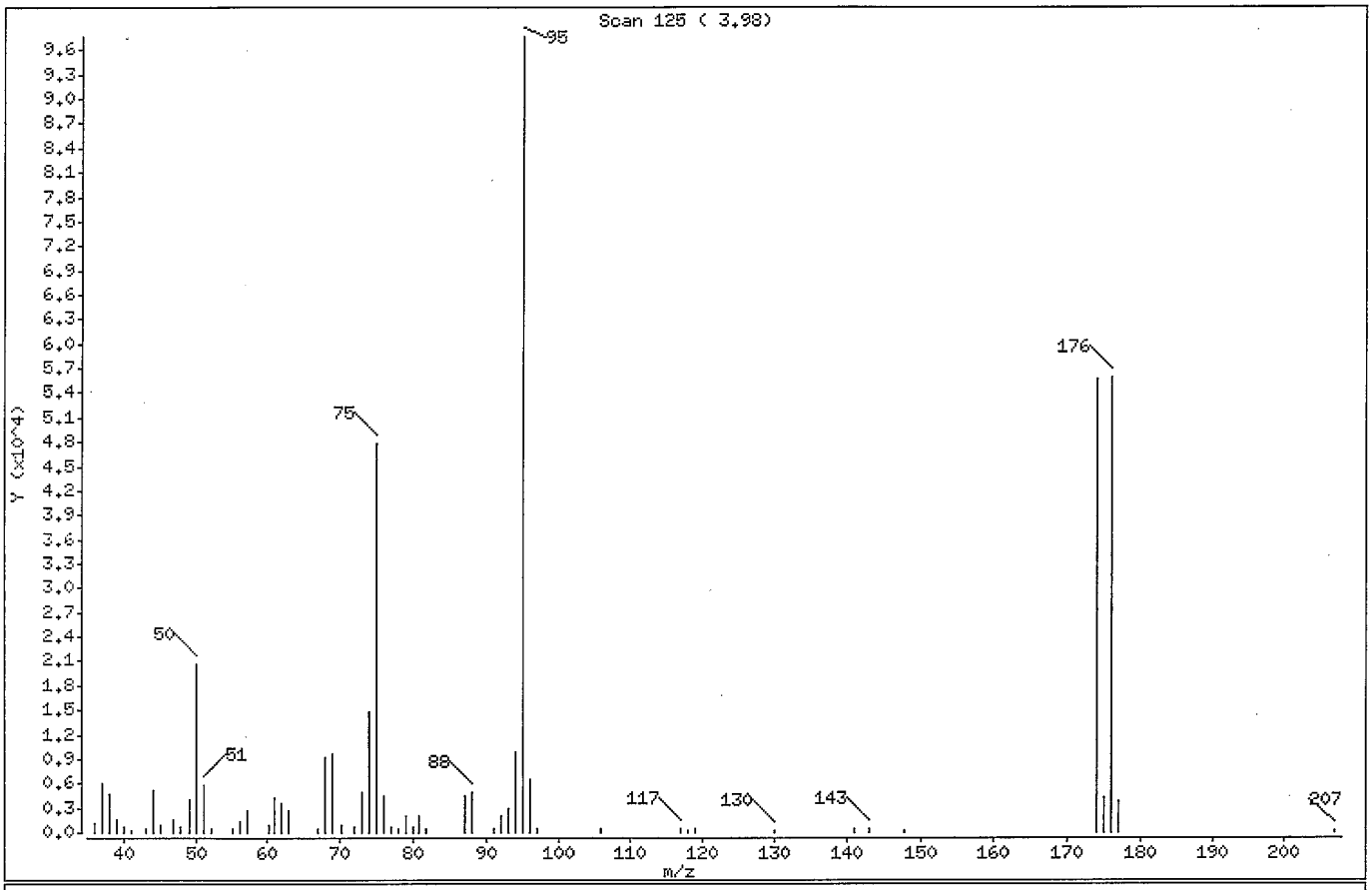
Client ID: VBFB | Instrument: MSG.i

Sample Info: 50NG BFB;G061127C.b

Volume Injected (uL): 2.0 | Operator: SS

Column phase: RTX-502.2 | Column diameter: 0.53

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.06
75	30.00 - 60.00% of mass 95	48.99
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	57.05
175	5.00 - 9.00% of mass 174	4.27 (7.49)
176	95.00 - 101.00% of mass 174	57.30 (100.43)
177	5.00 - 9.00% of mass 176	3.80 (6.63)

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GBFB4166.D

Date : 27-NOV-2006 18:05

Client ID: VBFB

Instrument: MSG.i

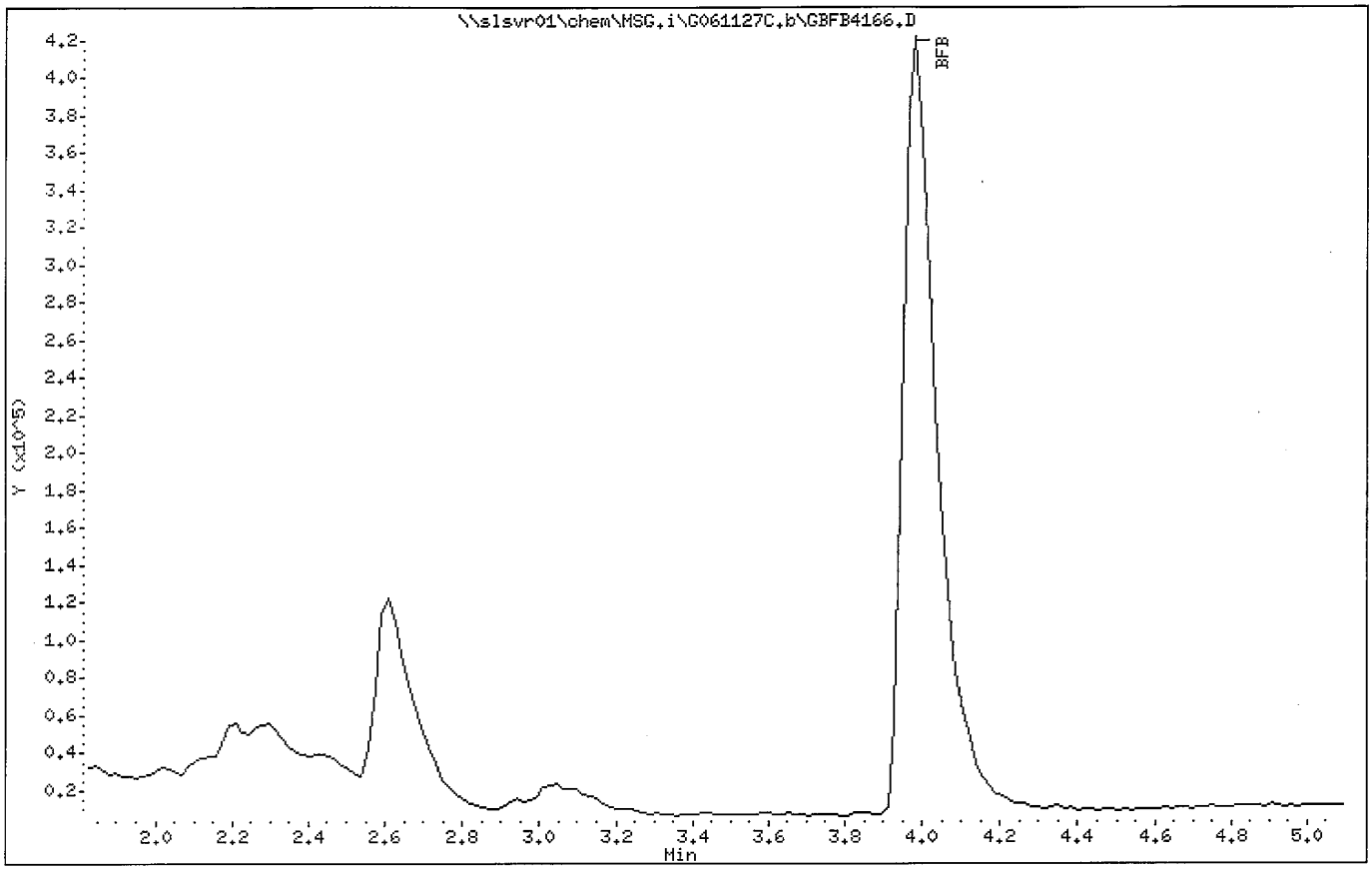
Sample Info: 50NG BFB;G061127C.b

Volume Injected (uL): 2.0

Operator: SS

Column phase: RTX-502.2

Column diameter: 0.53



Data File: \\slsvr01\chem\MSG.i\G061127C.b\GBFB4166.D

Date : 27-NOV-2006 18:05

Client ID: VBFB

Instrument: MSG.i

Sample Info: 50NG BFB;G061127C.b

Volume Injected (uL): 2.0

Operator: SS

Column phase: RTX-502.2

Column diameter: 0.53

Data File: GBFB4166.D
Spectrum: Scan 125 (3.98)
Location of Maximum: 95.00
Number of points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	1232	55.05	369	76.05	4384	97.00	366
37.05	6023	56.05	1305	77.05	756	106.00	349
38.05	4606	57.05	2750	78.00	526	117.00	388
39.05	1603	60.05	961	78.90	1933	118.00	277
40.05	606	61.05	4298	80.00	567	119.00	381
41.15	326	62.05	3662	80.90	2096	130.00	310
43.15	350	63.05	2705	81.90	528	141.00	538
44.05	5198	67.05	467	87.00	4448	143.00	560
45.05	993	68.05	9190	88.00	5004	147.95	288
46.95	1490	69.05	9643	91.00	514	174.05	55712
47.95	702	70.15	832	92.00	2132	175.05	4173
49.05	4121	72.05	608	93.00	2934	176.05	55952
50.05	20560	73.05	4852	94.10	9840	177.05	3709
51.05	5919	74.05	14811	95.00	97648	207.15	284
52.05	474	75.05	47840	96.10	6554		

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b/GCAL4173.D Pa
Report Date: 12/05/2006

INITIAL CALIBRATION REPORT

Instrument ID: MSG.i
Lab File ID: GCAL4173.D
Analysis Type: WATER

Injection Date: 27-NOV-2006 21:57
Lab Sample ID: VSTD050
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-U

COMPOUND	%RSD
Dichlorodifluoromethane	5.1
Freon-114	40.4
Chloromethane	8.6
Vinyl Chloride	14.1
Bromomethane	8.8
Chloroethane	7.4
Trichlorofluoromethane	3.9
Diethyl ether	7.6
1,1,2-Trichlorofluoroethane	5.9
Acrolein	0.0
Acetone	1.0
1,1-Dichloroethene	4.0
Acetonitrile	22.4
Iodomethane	8.7
Methyl acetate	12.1
Allyl chloride	5.9
Methylene Chloride	1.0
Carbon Disulfide	5.4
Acrylonitrile	7.0
MTBE	2.9
trans-1,2-Dichloroethene	5.6
n-Hexane	7.0
1,1-Dichloroethane	5.7
Vinyl acetate	4.7
2-Chloro-1,3-butadiene	4.2
2-Butanone	9.2
Propionitrile	1.0
2,2-Dichloropropane	3.8
Ethyl acetate	7.9
cis-1,2-Dichloroethene	4.8
1,2-Dichloroethene (total)	5.1
Methacrylonitrile	9.0
Chloroform	3.4
Bromochloromethane	4.3
Dibromofluoromethane	5.8
Tetrahydrofuran	6.3
1,1,1-Trichloroethane	3.5
Isobutanol	9.5
Cyclohexane	3.4

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b/GCAL4173.D
Report Date: 12/05/2006

INITIAL CALIBRATION REPORT

Instrument ID: MSG.i
Lab File ID: GCAL4173.D
Analysis Type: WATER

Injection Date: 27-NOV-2006 21:57
Lab Sample ID: VSTD050
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\

COMPOUND	%RSD
1,1-Dichloropropene	2.8
Carbon Tetrachloride	5.1
n-Butanol	1.0
1,2-Dichloroethane-d4	2.6
1,2-Dichloroethane	2.1
Benzene	5.1
Trichloroethene	3.7
Methylcyclohexane	6.3
1,2-Dichloropropane	2.2
Methyl methacrylate	6.6
Bromodichloromethane	9.3
1,4-Dioxane	6.7
Dibromomethane	3.0
2-Nitropropane	1.0
2-chloroethyl vinyl ether	9.3
4-Methyl-2-pentanone	9.2
cis-1,3-Dichloropropene	5.8
Toluene-d8	5.8
Toluene	7.3
trans-1,3-Dichloropropene	8.5
Ethyl methacrylate	7.4
1,1,2-Trichloroethane	5.3
2-Hexanone	1.0
1,3-Dichloropropane	4.5
Tetrachloroethene	3.5
Chlorodibromomethane	14.6
1,2-Dibromoethane	7.2
Chlorobenzene	3.4
1,1,1,2-Tetrachloroethane	9.5
Ethylbenzene	3.2
m,p-Xylenes	1.9
o-Xylene	3.2
Xylenes (total)	2.0
Styrene	7.2
Bromoform	1.0
Isopropylbenzene	4.9
Cyclohexanone	5.3
1,1,2,2-Tetrachloroethane	11.8
4-Bromofluorobenzene	3.0

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b/GCAL4173.D
Report Date: 12/05/2006

INITIAL CALIBRATION REPORT

Instrument ID: MSG.i
Lab File ID: GCAL4173.D
Analysis Type: WATER

Injection Date: 27-NOV-2006 21:57
Lab Sample ID: VSTD050
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\

COMPOUND	%RSD
1,2,3-Trichloropropane	8.2
Bromobenzene	7.1
n-Propylbenzene	3.7
trans-1,4-dichloro-2-butene	11.2
2-Chlorotoluene	7.0
1,3,5-Trimethylbenzene	6.0
4-Chlorotoluene	2.6
t-Butylbenzene	7.3
Pentachloroethane	1.0
1,2,4-Trimethylbenzene	8.0
sec-Butylbenzene	6.3
4-Isopropyltoluene	9.2
1,3-Dichlorobenzene	3.6
1,4-Dichlorobenzene	6.3
n-Butylbenzene	7.7
1,2-Dichlorobenzene	3.9
Nonanal	11.8
1,2-Dibromo-3-chloropropane	9.6
1,2,4-Trichlorobenzene	11.1
Hexachlorobutadiene	16.6
Naphthalene	7.2
1,2,3-Trichlorobenzene	6.4

The average of all %RSD's in the initial calibration is 6.4

Report Date : 05-Dec-2006 13:17

STL St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 27-NOV-2006 19:32
End Cal Date : 27-NOV-2006 23:10
Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Cal Date : 05-Dec-2006 13:17 mahmoodt

Calibration File Names:
Level 2: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4169.D
Level 3: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4170.D
Level 4: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4171.D
Level 5: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4172.D
Level 6: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4173.D
Level 7: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4174.D
Level 8: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4175.D

Compound	2.5000 Level 2	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 8										
1 Dichlorodifluoromethane	0.33630	0.33543	0.31185	0.32702	0.30275	0.30013					
	+++++						AVRG		0.31891		5.06496
2 Freon-114	0.04852	0.12789	0.15413	0.19340	0.13273	+++++					
	+++++						AVRG		0.13133		40.36967
3 Chloromethane	+++++	0.32461	0.29045	0.27420	0.26546	0.26663					
	0.26032						AVRG		0.28028		8.60776
4 Vinyl Chloride	0.24205	0.24278	0.23024	0.21951	0.18937	0.16800					
	+++++						AVRG		0.21532		14.11876

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Cal Date : 05-Dec-2006 13:17 mahmoodt

Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
5 Bromomethane	0.30428	0.27213	0.25305	0.25732	0.25891	0.25772						
	0.22806						AVRG		0.26164		8.78605	
6 Chloroethane	0.15555	0.17501	0.16053	0.16068	0.15414	0.15618						
	0.13572						AVRG		0.15683		7.42692	
7 Trichlorofluoromethane	0.43225	0.46887	0.43515	0.43437	0.45195	0.47624						
	0.45151						AVRG		0.45005		3.88179	
8 Diethyl ether	0.12987	0.12992	0.12015	0.12591	0.12502	0.11391						
	0.10478						AVRG		0.12137		7.60858	
9 1,1,2-Trichlorofluoroethane	0.49607	0.52492	0.46822	0.47759	0.48510	0.46112						
	0.43535						AVRG		0.47834		5.89858	
10 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
11 Acetone	18742	21180	35760	55541	131421	230475						
	493804						LINR	-0.13795	0.03616		0.99953	

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
12 1,1-Dichloroethene	0.23940	0.23973	0.21925	0.22635	0.23035	0.23905					
	0.24637						AVRG		0.23436		4.00530
13 Acetonitrile	+++++	0.01588	0.00967	0.00939	0.01004	0.01034					
	0.01028						AVRG		0.01093		22.42172
14 Iodomethane	0.28562	0.24012	0.25950	0.28437	0.29967	0.26574					
	0.23910						AVRG		0.26773		8.72155
15 Methyl acetate	+++++	0.03724	0.03110	0.02804	0.03131	0.02743					
	0.02805						AVRG		0.03053		12.07353
16 Allyl chloride	0.22127	0.20526	0.18864	0.19037	0.19358	0.19545					
	0.19122						AVRG		0.19797		5.87686
17 Methylene Chloride	218634	225743	325356	534360	1095417	1892161					
	3994892						LINR	-0.21305	0.28708		0.99972
18 Carbon Disulfide	0.80617	0.79278	0.70784	0.72433	0.73003	0.73437					
	0.70441						AVRG		0.74285		5.43618

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
19 Acrylonitrile	0.03145	0.03229	0.02797	0.02917	0.03093	0.03310					
	0.03426						AVRG		0.03131		6.99598
20 MTBE	0.51749	0.52622	0.48536	0.51403	0.53075	0.52203					
	0.51452						AVRG		0.51577		2.85972
21 trans-1,2-Dichloroethene	0.26702	0.26863	0.25210	0.27482	0.26854	0.24087					
	0.23914						AVRG		0.25873		5.61957
22 n-Hexane	+++++	0.41559	0.35607	0.36926	0.36142	0.35094					
	0.34411						AVRG		0.36623		7.00967
23 1,1-Dichloroethane	0.53900	0.56879	0.51993	0.52195	0.51654	0.48361					
	0.48596						AVRG		0.51940		5.68884
24 Vinyl acetate	0.43615	0.40791	0.37444	0.40330	0.41967	0.41275					
	0.39593						AVRG		0.40716		4.74611
25 2-Chloro-1,3-butadiene	0.35628	0.35511	0.33987	0.36869	0.38472	0.37499					
	0.37357						AVRG		0.36474		4.15875

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
26 2-Butoxyethanol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
27 2-Butanone	+++++	0.07399	0.06235	0.06457	0.07623	0.07592					
	0.07778						AVRG		0.07181		9.21152
28 Propionitrile	+++++	16866	34675	77000	234929	468884					
	1113283						LINR	0.36860	0.01696		0.99948
29 2,2-Dichloropropane	0.45103	0.46722	0.43588	0.43392	0.43629	0.43074					
	0.41401						AVRG		0.43844		3.81044
30 cis-1,2-Dichloroethene	0.29465	0.30117	0.28229	0.29423	0.29058	0.26481					
	0.26974						AVRG		0.28535		4.78474
31 Ethyl acetate	0.22819	0.22550	0.18372	0.19365	0.20423	0.20207					
	0.19929						AVRG		0.20524		7.90923
32 Methacrylonitrile	0.10457	0.10973	0.10058	0.11103	0.12320	0.12557					
	0.12468						AVRG		0.11419		8.96232

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
M 38 1,2-Dichloroethene (total)	0.28083	0.28490	0.26719	0.28453	0.27956	0.25284					
	0.25444						AVRG		0.27204		5.10513
33 Chloroform	0.55945	0.55134	0.51763	0.55668	0.56163	0.52311					
	0.53249						AVRG		0.54319		3.38116
34 Bromochloromethane	0.16137	0.18286	0.17080	0.16631	0.17333	0.17948					
	0.17644						AVRG		0.17294		4.32630
35 Isobutanol	+++++	0.00580	0.00502	0.00508	0.00485	0.00470					
	0.00439						AVRG		0.00497		9.50708
37 Tetrahydrofuran	+++++	0.02059	0.01751	0.01794	0.01894	0.01772					
	0.01789						AVRG		0.01843		6.32037
39 1,1,1-Trichloroethane	0.44459	0.42474	0.41540	0.45151	0.45915	0.44634					
	0.44658						AVRG		0.44119		3.50119
40 Cyclohexane	0.31642	0.30722	0.29318	0.31897	0.32407	0.31088					
	0.30190						AVRG		0.31038		3.41964

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
41 1,1-Dichloropropene	0.45164	0.46891	0.43481	0.46110	0.46912	0.46802						
	0.45159						AVRG		0.45789		2.77964	
42 Carbon Tetrachloride	0.35179	0.35869	0.34093	0.38111	0.39197	0.36848						
	0.38399						AVRG		0.36814		5.06304	
44 n-Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
45 n-Butanol	11711	17184	35417	56433	182273	371019						
	768845						LINR	-0.06950	0.00588		0.99712	
46 1,2-Dichloroethane	0.31395	0.31478	0.30031	0.30713	0.30894	0.30167						
	0.29954						AVRG		0.30661		2.06469	
47 Benzene	0.91021	0.81522	0.77386	0.83827	0.85149	0.80349						
	0.83442						AVRG		0.83242		5.14738	
49 Trichloroethene	0.34518	0.34120	0.32551	0.34919	0.36410	0.33664						
	0.35564						AVRG		0.34535		3.66074	

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
50 Methylcyclohexane	0.46516	0.43399	0.41683	0.42283	0.41604	0.39109					
	0.38630						AVRG		0.41889		6.34005
51 1,2-Dichloropropane	0.35781	0.37199	0.34906	0.35024	0.35262	0.35800					
	0.36129						AVRG		0.35729		2.20463
52 Methyl methacrylate	0.16592	0.16648	0.15888	0.16126	0.17208	0.18170					
	0.18987						AVRG		0.17088		6.58441
53 Bromodichloromethane	0.51861	0.52713	0.52367	0.56587	0.59684	0.61152					
	0.65846						AVRG		0.57173		9.28041
55 1,4-Dioxane	0.00254	0.00264	0.00281	0.00255	0.00291	0.00303					
	0.00282						AVRG		0.00276		6.74112
54 Dibromomethane	0.29864	0.30900	0.28699	0.30652	0.31235	0.30145					
	0.31285						AVRG		0.30397		3.01514
56 2-Nitropropane	10910	26737	59460	133491	375319	813041					
	1895168						LINR	0.06872	0.14427		0.99900

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
57 2-chloroethyl vinyl ether	+++++	0.14935	0.13969	0.14857	0.16188	0.17750						
	0.17165						AVRG		0.15811		9.29776	
58 4-Methyl-2-pentanone	0.38534	0.34955	0.32219	0.33475	0.38357	0.41508						
	0.39416						AVRG		0.36923		9.23624	
59 cis-1,3-Dichloropropene	0.47977	0.47741	0.46077	0.48517	0.50560	0.53472						
	0.53346						AVRG		0.49670		5.78798	
62 Toluene	1.59171	1.35676	1.37289	1.45396	1.33903	1.31903						
	1.30343						AVRG		1.39097		7.26648	
63 trans-1,3-Dichloropropene	0.43659	0.48224	0.47326	0.50203	0.49193	0.53693						
	0.56565						AVRG		0.49837		8.50325	
64 Ethyl methacrylate	0.44700	0.49994	0.47776	0.49144	0.49816	0.55893						
	0.53811						AVRG		0.50162		7.40895	
60 Dimethyl disulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
65 1,1,2-Trichloroethane	0.34746	0.36580	0.36935	0.38474	0.37769	0.38662					
	0.41204						AVRG		0.37767		5.33299
66 2-Hexanone	22507	50470	88762	190913	576968	1240243					
	2468844						LINR	0.00575	0.24765		0.99642
67 1,3-Dichloropropane	0.57763	0.66484	0.62052	0.64039	0.61661	0.64309					
	0.64764						AVRG		0.63010		4.49608
68 Tetrachloroethene	0.45171	0.44181	0.46550	0.48866	0.48325	0.46679					
	0.47048						AVRG		0.46689		3.51483
69 Chlorodibromomethane	0.43156	0.45478	0.48614	0.53524	0.56377	0.57694					
	0.65353						AVRG		0.52885		14.62504
70 1,2-Dibromoethane	0.49213	0.51326	0.52078	0.55806	0.55865	0.57502					
	0.60558						AVRG		0.54621		7.21056
72 Chlorobenzene	0.97882	1.07838	1.02002	0.98787	0.98378	1.02206					
	1.00896						AVRG		1.01141		3.39101

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
73 1,1,1,2-Tetrachloroethane	0.36807	0.37251	0.39087	0.41532	0.42546	0.43345					
	0.47927						AVRG		0.41214		9.45682
74 Ethylbenzene	0.43661	0.47988	0.45656	0.46364	0.44955	0.46089					
	0.44241						AVRG		0.45565		3.17306
75 m,p-Xylenes	0.60399	0.60942	0.61849	0.62875	0.60530	0.60951					
	0.59221						AVRG		0.60967		1.89133
76 o-Xylene	0.55044	0.57803	0.60722	0.57288	0.56544	0.58032					
	0.56062						AVRG		0.57356		3.15641
77 Styrene	0.85873	0.85314	0.91221	0.97213	1.00667	0.98424					
	1.01518						AVRG		0.94319		7.23476
M 78 Xylenes (total)	0.58614	0.59896	0.61473	0.61012	0.59202	0.59978					
	0.58168						AVRG		0.59763		2.01795
79 Bromoform	27656	56008	114320	273757	878812	1912389					
	4307873						LINR	0.07259	0.42829		0.99906

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
80 Isopropylbenzene	1.41899	1.37918	1.37251	1.54668	1.50279	1.50263					
	1.51869						AVRG		1.46307		4.86587
81 Cyclohexanone	0.01680	0.01812	0.01879	0.01834	0.01727	0.01826					
	0.01623						AVRG		0.01769		5.28085
82 1,1,2,2-Tetrachloroethane	0.53090	0.60605	0.56368	0.61744	0.67296	0.74951					
	0.67942						AVRG		0.63142		11.83524
84 1,2,3-Trichloropropane	0.28118	0.24431	0.25538	0.27595	0.30066	0.29964					
	0.30127						AVRG		0.27977		8.20653
85 Bromobenzene	0.90599	0.77259	0.80951	0.88942	0.93237	0.86745					
	0.93785						AVRG		0.87360		7.12278
86 n-Propylbenzene	4.30848	3.90594	4.10156	4.29754	4.33631	4.08735					
	4.22879						AVRG		4.18085		3.74352
88 trans-1,4-dichloro-2-butene	0.18678	0.18801	0.19145	0.20146	0.22844	0.24132					
	0.23362						AVRG		0.21015		11.19122

Report Date : 05-Dec-2006 13:17

STL St. Louis

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Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
87 2-Chlorotoluene	2.67034	2.22199	2.65490	2.77007	2.55601	2.44388					
	2.59031						AVRG		2.55822		7.02813
89 1,3,5-Trimethylbenzene	2.54951	2.22829	2.21764	2.51315	2.39911	2.28043					
	2.51276						AVRG		2.38584		6.01349
90 4-Chlorotoluene	3.26863	3.15854	3.32417	3.27355	3.32637	3.31459					
	3.44865						AVRG		3.30207		2.62997
91 t-Butylbenzene	2.88135	2.47202	2.57446	2.96073	2.95699	2.71249					
	2.96746						AVRG		2.78936		7.32445
92 Pentachloroethane	15523	30441	58626	139054	405371	876291					
	+++++						LINR	0.03251	0.35518		0.99940
93 1,2,4-Trimethylbenzene	2.45893	2.10523	1.96801	2.35486	2.13890	2.08935					
	2.34235						AVRG		2.20823		8.04989
94 sec-Butylbenzene	3.91130	3.47467	3.49650	3.97214	4.05632	3.94064					
	3.98611						AVRG		3.83395		6.31775

Report Date : 05-Dec-2006 13:17

STL St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 27-NOV-2006 19:32
End Cal Date : 27-NOV-2006 23:10
Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Cal Date : 05-Dec-2006 13:17 mahmoodt

Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
95 4-Isopropyltoluene	2.76085	2.19709	2.29040	2.67853	2.58780	2.46351					
	2.81485						AVRG		2.54186		9.24738
96 1,3-Dichlorobenzene	1.61315	1.56373	1.43541	1.52168	1.52336	1.49893					
	1.51806						AVRG		1.52490		3.59570
98 1,4-Dichlorobenzene	1.95183	1.74090	1.60609	1.68132	1.71771	1.67305					
	1.70770						AVRG		1.72551		6.29543
99 n-Butylbenzene	2.83185	2.46582	2.48340	2.81740	2.47083	2.61777					
	2.95780						AVRG		2.66355		7.65384
100 1,2-Dichlorobenzene	1.61230	1.53669	1.45856	1.50779	1.50015	1.46422					
	1.44160						AVRG		1.50305		3.87569
147 Nonanal	+++++	0.35396	0.28870	0.27986	0.26923	0.34230					
	0.28284						AVRG		0.30281		11.84035
101 1,2-Dibromo-3-chloropropane	0.20410	0.21571	0.21236	0.23099	0.25921	0.25182					
	0.25192						AVRG		0.23230		9.56098

Report Date : 05-Dec-2006 13:17

STL St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 27-NOV-2006 19:32
End Cal Date : 27-NOV-2006 23:10
Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Cal Date : 05-Dec-2006 13:17 mahmoodt

Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
103 1,2,4-Trichlorobenzene	0.80228	0.59965	0.60863	0.72579	0.68952	0.69474						
	0.78263						AVRG		0.70046		11.13630	
102 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
107 4-Chlorophenyl methyl sulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
104 Hexachlorobutadiene	+++++	0.37740	0.41936	0.54645	0.53549	0.40358						
	0.53847						AVRG		0.47013		16.57811	
105 Naphthalene	1.29517	1.38500	1.19366	1.17910	1.11516	1.28927						
	1.25089						AVRG		1.24404		7.18538	
106 1,2,3-Trichlorobenzene	+++++	0.56972	0.61233	0.65842	0.64199	0.63861						
	0.68912						AVRG		0.63503		6.42165	
$ 36 Dibromofluoromethane	0.39074	0.40878	0.41852	0.44595	0.45767	0.43456						
	0.45407						AVRG		0.43004		5.80827	

Report Date : 05-Dec-2006 13:17

STL St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 27-NOV-2006 19:32
End Cal Date : 27-NOV-2006 23:10
Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Cal Date : 05-Dec-2006 13:17 mahmoodt

Compound	2.5000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	100.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 43 1,2-Dichloroethane-d4	0.13719	0.14148	0.14278	0.14470	0.14722	0.13876					
	0.13857						AVRG		0.14153		2.56877
$ 61 Toluene-d8	1.09881	1.25710	1.30120	1.27678	1.18515	1.22306					
	1.16486						AVRG		1.21528		5.81757
$ 83 4-Bromofluorobenzene	1.58698	1.58113	1.62363	1.71186	1.68895	1.63249					
	1.66237						AVRG		1.64106		3.01148

Report Date : 05-Dec-2006 13:17

STL St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 27-NOV-2006 19:32
End Cal Date : 27-NOV-2006 23:10
Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Cal Date : 05-Dec-2006 13:17 mahmoodt

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + Rsp/ml	Response

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4169.D
Report Date: 28-Nov-2006 10:20

STL St. Louis

GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4169.D
Lab Smp Id: VSTD002.5
Inj Date : 27-NOV-2006 19:32
Operator : SS Inst ID: MSG.i
Smp Info : VSTD002.5;G061127C.b
Misc Info : VBLKG331C.B;
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Meth Date : 28-Nov-2006 10:17 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 19:32 Cal File: GCAL4169.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CCAL.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.486	2.486	(0.247)	50160	2.50000	1.186(M)
2 Freon-114	135	2.591	2.591	(0.257)	7237	2.50000	0.9236(a)
3 Chloromethane	50	2.817	2.817	(0.280)	48086	2.50000	2.876
4 Vinyl Chloride	62	2.904	2.904	(0.288)	36102	2.50000	2.810
5 Bromomethane	94	3.460	3.460	(0.344)	45384	2.50000	2.907
6 Chloroethane	64	3.564	3.564	(0.354)	23201	2.50000	2.480
7 Trichlorofluoromethane	101	3.877	3.877	(0.385)	64471	2.50000	2.401
8 Diethyl ether	59	4.260	4.260	(0.423)	38741	5.00000	5.350
9 1,1,2-Trichlorofluoroethane	101	4.434	4.434	(0.440)	73991	2.50000	2.593
11 Acetone	43	4.538	4.538	(0.451)	18742	2.50000	1.790
12 1,1-Dichloroethene	96	4.694	4.694	(0.466)	35707	2.50000	2.554
13 Acetonitrile	41	4.938	4.938	(0.491)	9279	12.5000	14.22(a)
14 Iodomethane	142	5.164	5.164	(0.513)	42601	2.50000	2.667(a)
15 Methyl acetate	74	5.199	5.199	(0.516)	5408	2.50000	3.316(a)
16 Allyl chloride	39	5.216	5.216	(0.518)	33004	2.50000	2.794
17 Methylene Chloride	84	5.390	5.390	(0.535)	218634	2.50000	2.112
18 Carbon Disulfide	76	5.425	5.425	(0.539)	120243	2.50000	2.713
19 Acrylonitrile	53	5.599	5.599	(0.556)	23456	12.5000	12.56(a)
20 MTBE	73	5.651	5.651	(0.561)	77185	2.50000	2.688
21 trans-1,2-Dichloroethene	96	5.842	5.842	(0.580)	39827	2.50000	2.580
22 n-Hexane	57	5.946	5.946	(0.591)	64732	2.50000	2.962
24 Vinyl acetate	43	6.572	6.572	(0.653)	65053	2.50000	2.678(a)

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4169.D
Report Date: 28-Nov-2006 10:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	6.555	6.555	(0.651)	80394	2.50000	2.594
	25 2-Chloro-1,3-butadiene	53	6.711	6.711	(0.667)	53141	2.50000	2.442(a)
	27 2-Butanone	43	7.303	7.303	(0.725)	10655	2.50000	2.487
	28 Propionitrile	54	7.424	7.424	(0.737)	8847	12.5000	27.17(a)
	29 2,2-Dichloropropane	77	7.546	7.546	(0.750)	67273	2.50000	2.572
	31 Ethyl acetate	43	7.616	7.616	(0.756)	68070	5.00000	5.559(a)
	30 cis-1,2-Dichloroethene	96	7.633	7.633	(0.758)	43948	2.50000	2.581
	32 Methacrylonitrile	41	7.789	7.789	(0.774)	77983	12.5000	11.45(a)
	33 Chloroform	83	7.928	7.928	(0.788)	83444	2.50000	2.575
M	38 1,2-Dichloroethene (total)	96				83775	5.00000	5.162
	34 Bromochloromethane	128	8.224	8.224	(0.817)	24069	2.50000	2.333
	37 Tetrahydrofuran	71	8.346	8.346	(0.829)	16178	12.5000	14.71
$	36 Dibromofluoromethane	113	8.346	8.346	(0.829)	58281	2.50000	2.272
	39 1,1,1-Trichloroethane	97	8.711	8.711	(0.865)	66312	2.50000	2.519
	35 Isobutanol	42	8.728	8.728	(0.867)	15495	50.0000	52.23(a)
	40 Cyclohexane	84	8.763	8.763	(0.870)	47195	2.50000	2.549(a)
	41 1,1-Dichloropropene	75	9.041	9.041	(0.898)	67364	2.50000	2.466
	42 Carbon Tetrachloride	117	9.250	9.250	(0.919)	52471	2.50000	2.389
	45 n-Butanol	56	9.354	9.354	(0.929)	11711	25.0000	29.89(a)
$	43 1,2-Dichloroethane-d4	67	9.372	9.372	(0.931)	20462	2.50000	2.423
	46 1,2-Dichloroethane	62	9.580	9.580	(0.952)	46827	2.50000	2.560
	47 Benzene	78	9.598	9.598	(0.953)	135762	2.50000	2.734
*	48 Fluorobenzene	96	10.067	10.067	(1.000)	2983076	50.0000	
	49 Trichloroethene	130	10.971	10.971	(1.090)	51485	2.50000	2.499
	50 Methylcyclohexane	55	11.110	11.110	(1.104)	69381	2.50000	2.776(aM)
	51 1,2-Dichloropropane	63	11.389	11.389	(1.131)	53368	2.50000	2.504
	52 Methyl methacrylate	69	11.597	11.597	(1.152)	24748	2.50000	2.427
	53 Bromodichloromethane	83	11.945	11.945	(1.187)	77353	2.50000	2.268
	55 1,4-Dioxane	88	12.049	12.049	(1.197)	7569	50.0000	47.63(a)
	54 Dibromomethane	93	12.067	12.067	(1.199)	44543	2.50000	2.456
	56 2-Nitropropane	43	12.171	12.171	(1.209)	10910	2.50000	4.704(a)
	57 2-chloroethyl vinyl ether	63	12.814	12.814	(1.273)	19769	2.50000	2.096(a)
	58 4-Methyl-2-pentanone	43	12.849	12.849	(1.276)	57475	2.50000	2.609
	59 cis-1,3-Dichloropropene	75	13.371	13.371	(1.328)	71560	2.50000	2.415
$	61 Toluene-d8	98	14.014	14.014	(0.764)	131158	2.50000	2.305
	62 Toluene	91	14.205	14.205	(0.774)	189992	2.50000	2.914
	63 trans-1,3-Dichloropropene	75	14.762	14.762	(0.805)	52113	2.50000	2.230
	64 Ethyl methacrylate	69	14.814	14.814	(0.808)	53356	2.50000	2.268
	65 1,1,2-Trichloroethane	97	15.162	15.162	(0.827)	41474	2.50000	2.343
	66 2-Hexanone	43	15.301	15.301	(0.834)	22507	2.50000	2.508
	67 1,3-Dichloropropane	76	15.909	15.909	(0.867)	68948	2.50000	2.334
	68 Tetrachloroethene	164	16.014	16.014	(0.873)	53918	2.50000	2.464
	69 Chlorodibromomethane	129	16.553	16.553	(0.902)	51513	2.50000	2.076
	70 1,2-Dibromoethane	107	17.161	17.161	(0.936)	58743	2.50000	2.293
*	71 Chlorobenzene-d5	117	18.344	18.344	(1.000)	2387274	50.0000	
	72 Chlorobenzene	112	18.465	18.465	(1.007)	116836	2.50000	2.465
	73 1,1,1,2-Tetrachloroethane	131	18.622	18.622	(1.015)	43934	2.50000	2.273
	74 Ethylbenzene	106	18.691	18.691	(1.019)	52115	2.50000	2.441
	75 m,p-Xylenes	106	18.969	18.969	(1.034)	144190	5.00000	5.048
	76 o-Xylene	106	20.308	20.308	(1.107)	65703	2.50000	2.446
	77 Styrene	104	20.430	20.430	(1.114)	102501	2.50000	2.318
M	78 Xylenes (total)	106				209893	7.50000	7.494
	79 Bromoform	173	21.404	21.404	(1.167)	27656	2.50000	5.222
	80 Isopropylbenzene	105	21.525	21.525	(1.173)	169376	2.50000	2.469

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4169.D
Report Date: 28-Nov-2006 10:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	81 Cyclohexanone	55	21.647	21.647	(1.180)	20053	25.0000	24.22(a)
	82 1,1,2,2-Tetrachloroethane	83	22.099	22.099	(1.205)	63370	2.50000	2.138
$	83 4-Bromofluorobenzene	95	22.273	22.273	(0.898)	90897	2.50000	2.418
	84 1,2,3-Trichloropropane	110	22.534	22.534	(0.909)	16105	2.50000	2.512
	85 Bromobenzene	156	22.777	22.777	(0.919)	51892	2.50000	2.593
	86 n-Propylbenzene	91	22.795	22.795	(0.919)	246775	2.50000	2.576
	88 trans-1,4-dichloro-2-butene	53	22.812	22.812	(0.920)	10698	2.50000	2.222
	87 2-Chlorotoluene	91	23.160	23.160	(0.934)	152948	2.50000	2.610
	89 1,3,5-Trimethylbenzene	105	23.212	23.212	(0.936)	146027	2.50000	2.671
	90 4-Chlorotoluene	91	23.282	23.282	(0.939)	187216	2.50000	2.475
	91 t-Butylbenzene	119	23.942	23.942	(0.966)	165034	2.50000	2.582
	92 Pentachloroethane	167	23.994	23.994	(0.968)	15523	2.50000	3.533(a)
	93 1,2,4-Trimethylbenzene	105	24.012	24.012	(0.968)	140839	2.50000	2.784
	94 sec-Butylbenzene	105	24.342	24.342	(0.982)	224026	2.50000	2.550
	95 4-Isopropyltoluene	119	24.586	24.586	(0.992)	158132	2.50000	2.715
	96 1,3-Dichlorobenzene	146	24.673	24.673	(0.995)	92396	2.50000	2.645
*	97 1,4 Dichlorobenzene-d4	152	24.794	24.794	(1.000)	1145532	50.0000	
	98 1,4-Dichlorobenzene	146	24.846	24.846	(1.002)	111794	2.50000	2.828
	99 n-Butylbenzene	91	25.212	25.212	(1.017)	162199	2.50000	2.658
	100 1,2-Dichlorobenzene	146	25.385	25.385	(1.024)	92347	2.50000	2.682
	147 Nonanal	57	25.838	25.838	(1.042)	23870	2.50000	2.842(aAM)
	101 1,2-Dibromo-3-chloropropane	157	26.429	26.429	(1.066)	11690	2.50000	2.196
	103 1,2,4-Trichlorobenzene	180	27.385	27.385	(1.104)	45952	2.50000	2.863
	104 Hexachlorobutadiene	225	27.541	27.541	(1.111)	31357	2.50000	2.911
	105 Naphthalene	128	27.646	27.646	(1.115)	74183	2.50000	2.603
	106 1,2,3-Trichlorobenzene	180	27.889	27.889	(1.125)	43479	2.50000	2.988

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: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4169.D
Report Date: 28-Nov-2006 10:20

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GCAL4169.D
Lab Smp Id: VSTD002.5
Analysis Type: VOA
Quant Type: ISTD
Operator: SS
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Misc Info: VBLKG331C.B;

Calibration Date: 27-NOV-2006
Calibration Time: 21:57

Level: LOW
Sample Type: WATER

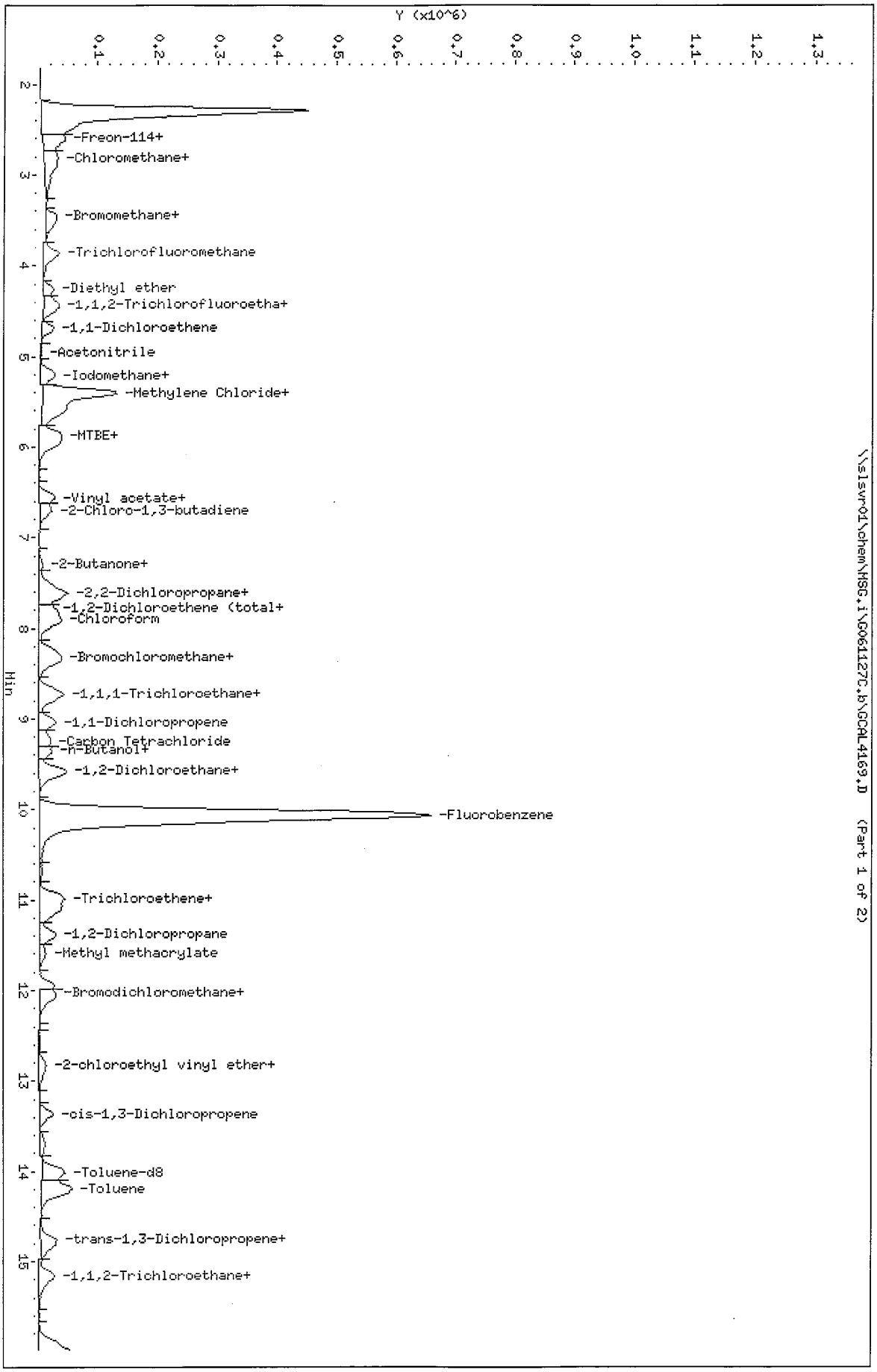
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3088621	1544311	6177242	2983076	-3.42
71 Chlorobenzene-d5	2420626	1210313	4841252	2387274	-1.38
97 1,4 Dichlorobenze	1211198	605599	2422396	1145532	-5.42

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.07	9.57	10.57	10.07	0.01
71 Chlorobenzene-d5	18.34	17.84	18.84	18.34	0.00
97 1,4 Dichlorobenze	24.81	24.31	25.31	24.79	-0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4169.D
Date : 27-NOV-2006 19:32
Client ID:
Sample Info: VSTD002.5;G061127C.b
Purge Volume: 5.0
Column phase: RTX-502.2

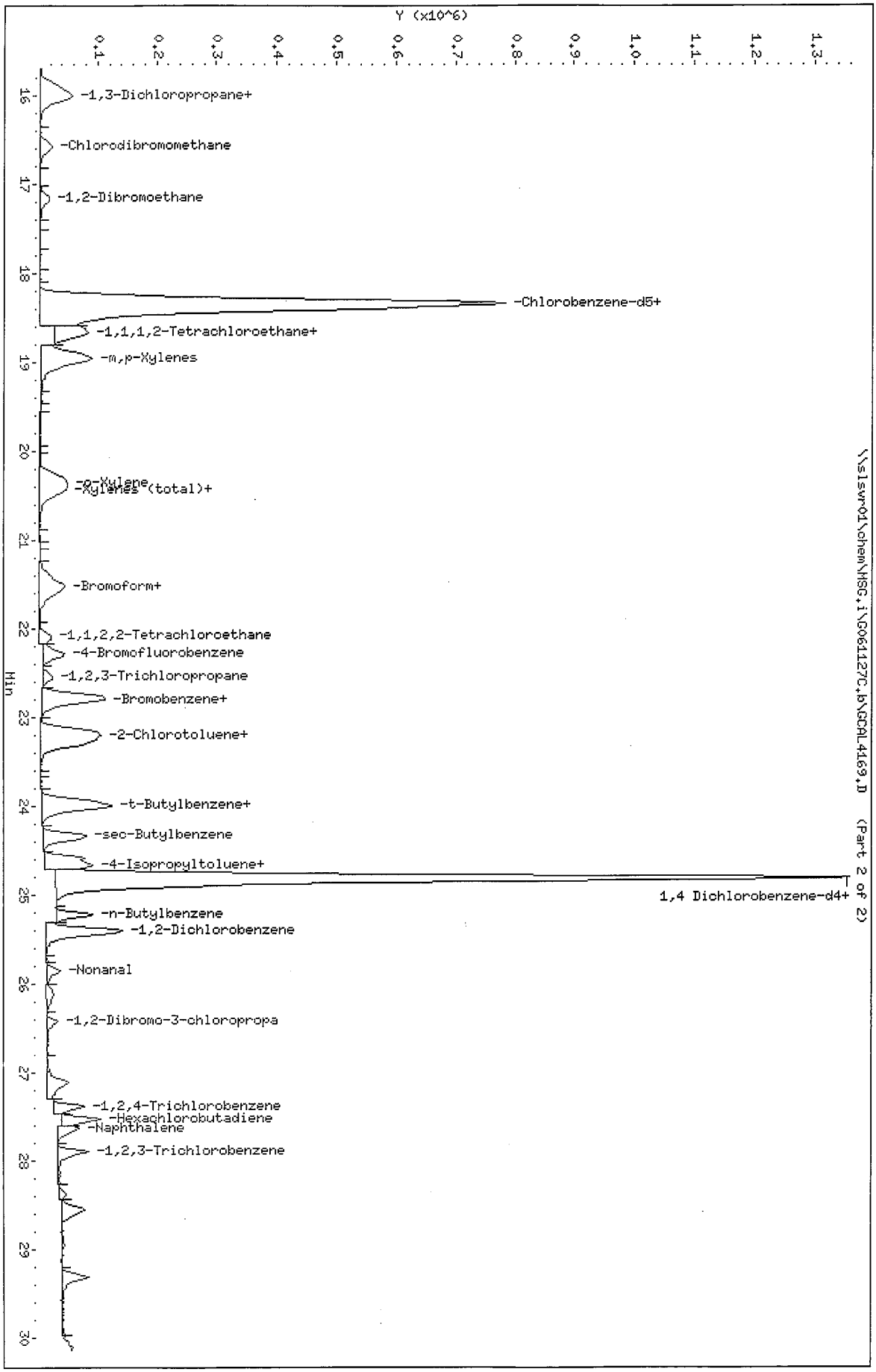
Instrument: MSG.i
Operator: SS
Column diameter: 0.53



\\slsvr01\chem\MSG.i\G061127C.b\GCAL4169.D (Part 1 of 2)

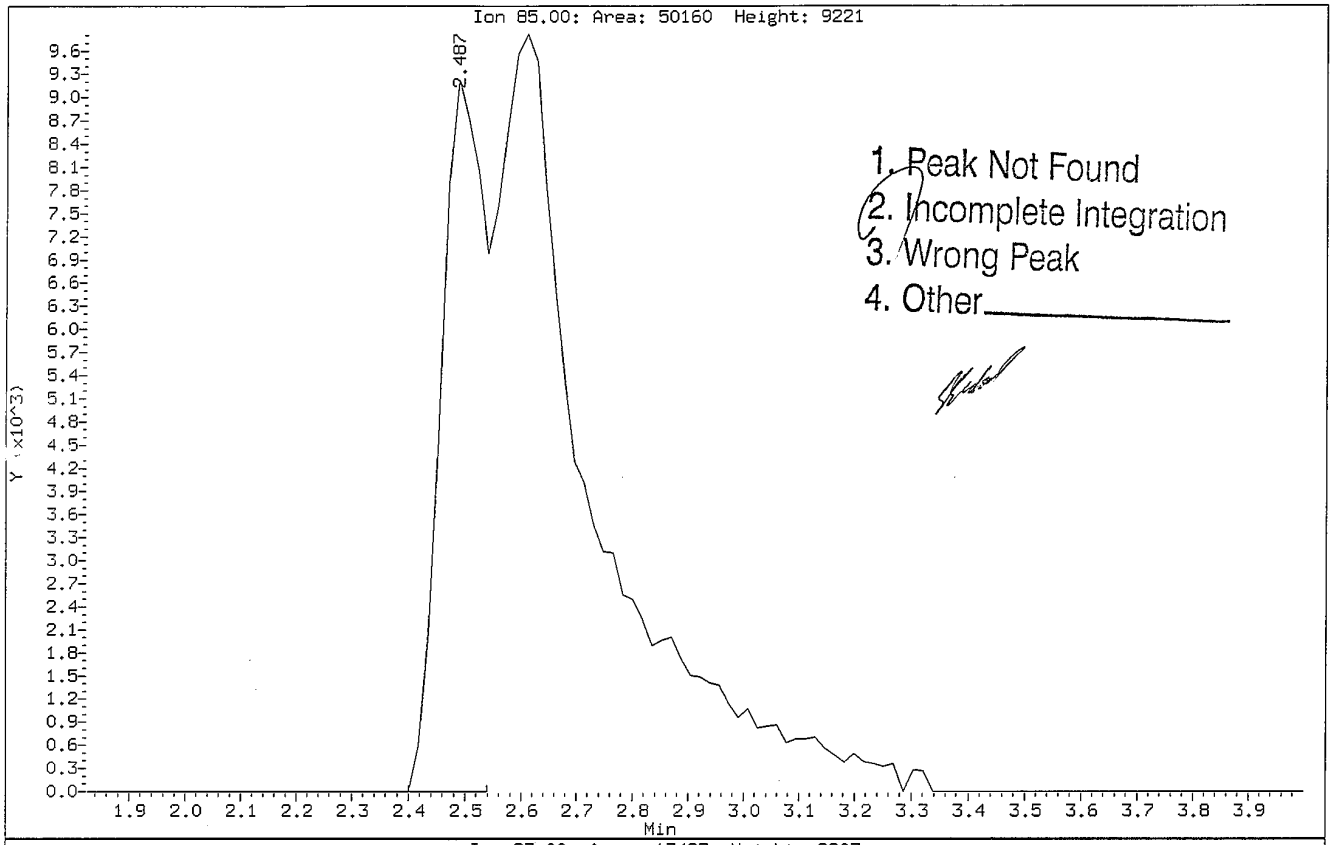
Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4169.D
Date : 27-NOV-2006 19:32
Client ID:
Sample Info: VSTD002.5;G061127C.b
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: MSG.i
Operator: SS
Column diameter: 0.53

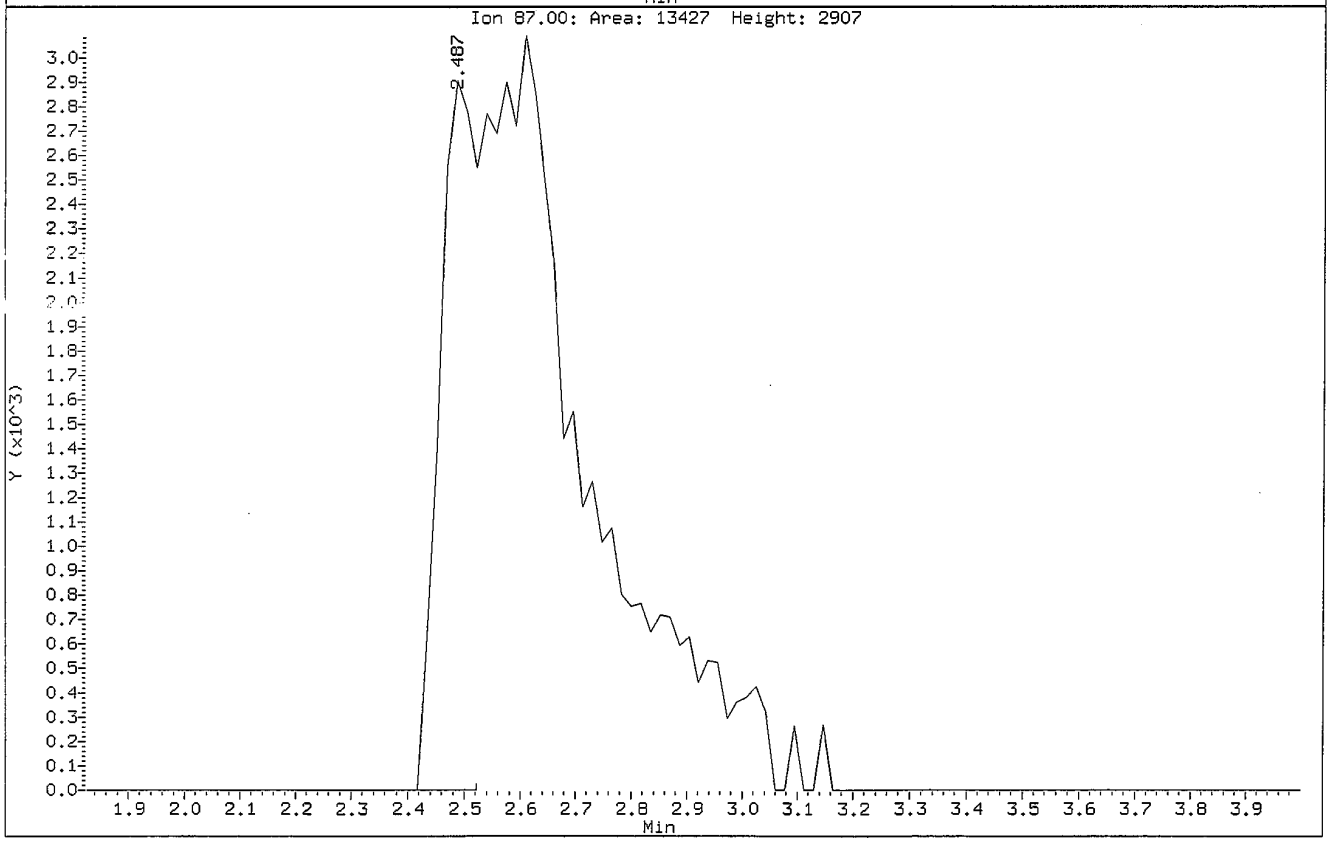


Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4169.D
Injection Date: 27-NOV-2006 19:32
Instrument: MSG.i
Client Sample ID:

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8

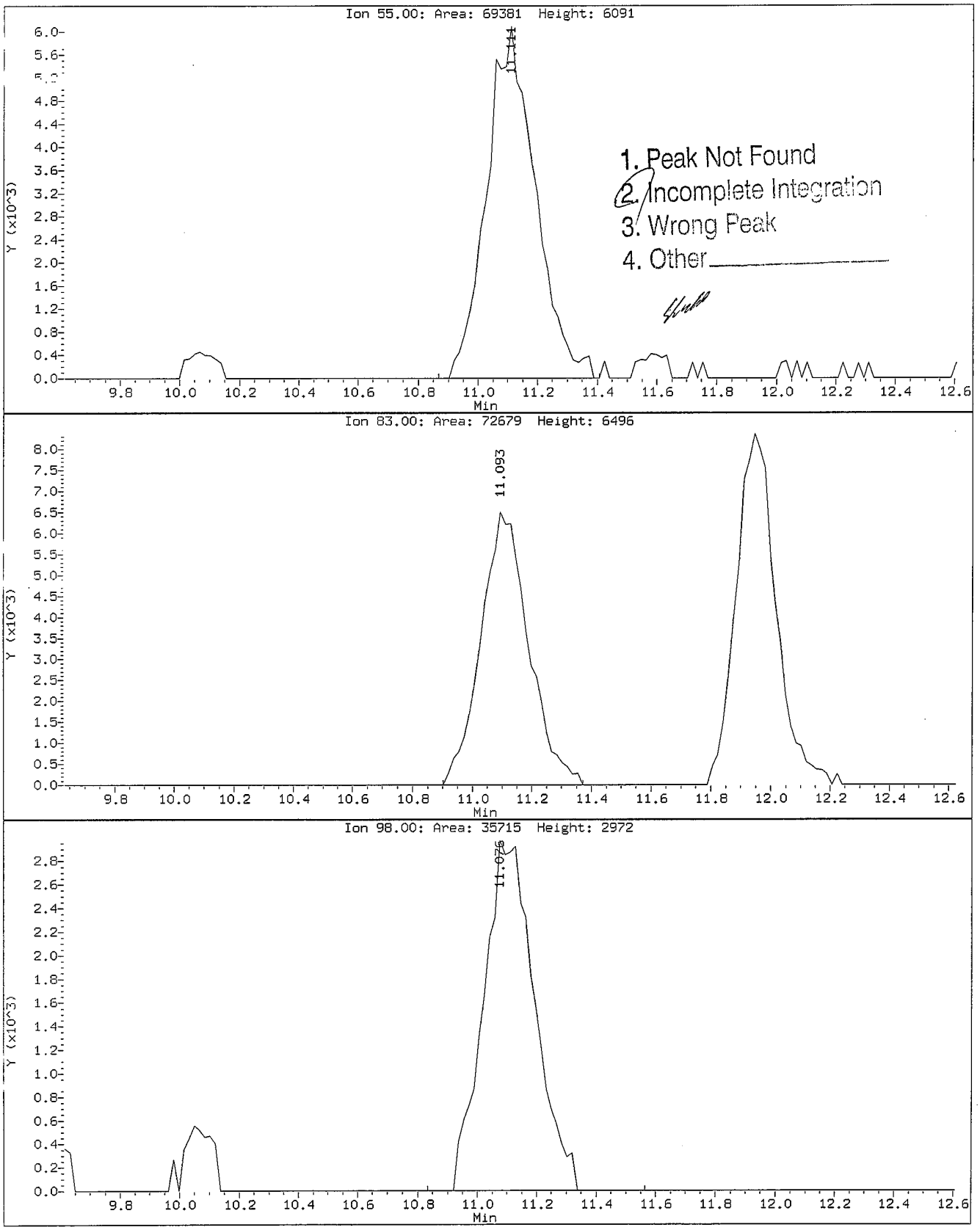


1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4169.D
Injection Date: 27-NOV-2006 19:32
Instrument: MSG.i
Client Sample ID:

Compound: Methylcyclohexane
CAS Number: 108-87-2



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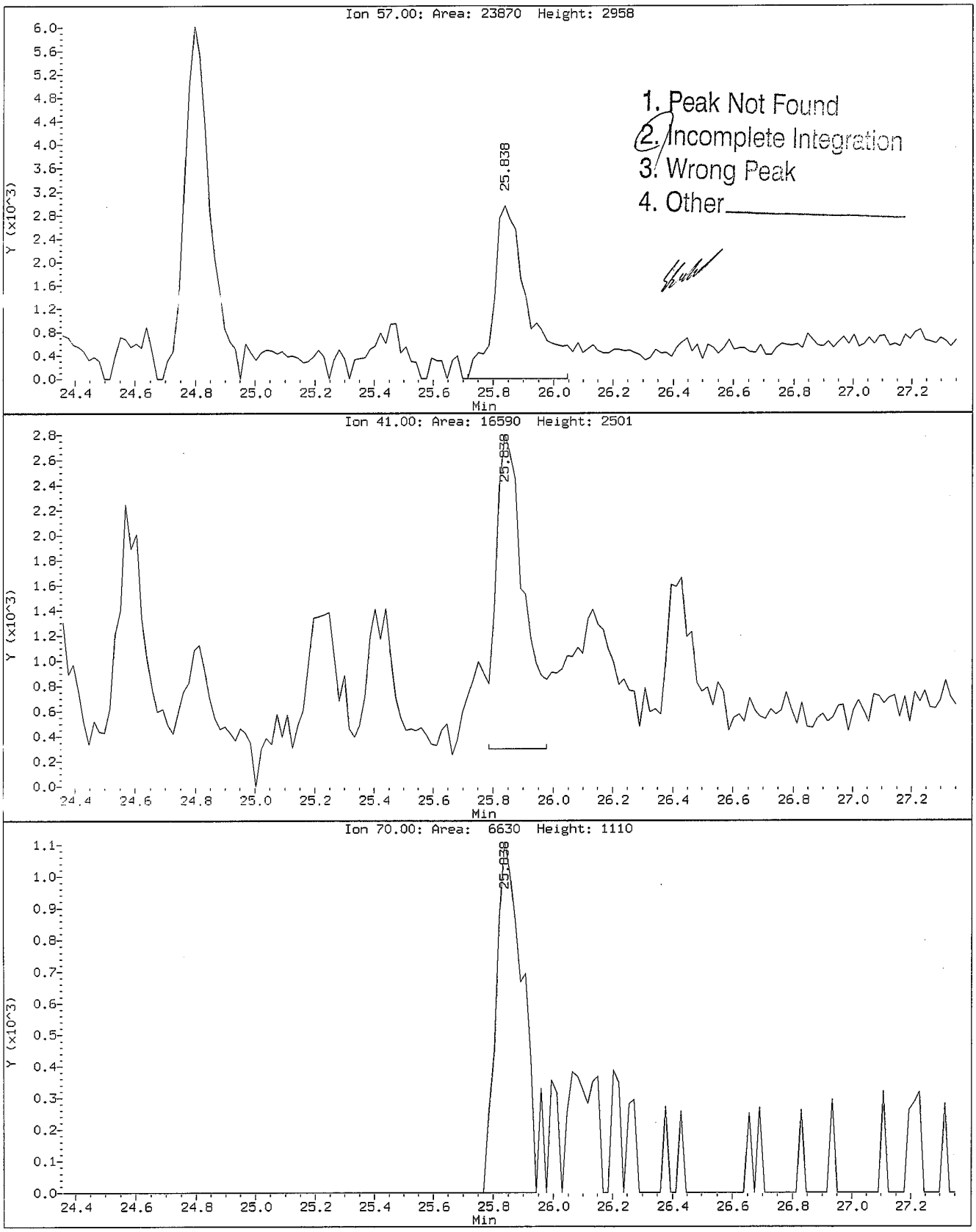
Injection Date: 27-NOV-2006 19:32
Instrument: MSG.i
Client Sample ID:

Compound: Nonanal
CAS Number: 124-19-6



Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4170.D
Report Date: 28-Nov-2006 10:23

STL St. Louis

GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4170.D
Lab Smp Id: VSTD005
Inj Date : 27-NOV-2006 20:08
Operator : SS Inst ID: MSG.i
Smp Info : VSTD005;G061127C.b
Misc Info : VBLKG331C.B;
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Meth Date : 28-Nov-2006 10:17 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 20:08 Cal File: GCAL4170.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CCAL.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.485	2.485	(0.247)	90772	5.00000	2.579(H)
2 Freon-114	135	2.624	2.624	(0.261)	34609	5.00000	4.869(a)
3 Chloromethane	50	2.798	2.798	(0.278)	87846	5.00000	5.791
4 Vinyl Chloride	62	2.903	2.903	(0.288)	65700	5.00000	5.637
5 Bromomethane	94	3.442	3.442	(0.342)	73643	5.00000	5.200
6 Chloroethane	64	3.546	3.546	(0.352)	47360	5.00000	5.580
7 Trichlorofluoromethane	101	3.876	3.876	(0.385)	126885	5.00000	5.209
8 Diethyl ether	59	4.259	4.259	(0.423)	70316	10.0000	10.70
9 1,1,2-Trichlorofluoroethane	101	4.433	4.433	(0.440)	142051	5.00000	5.487
11 Acetone	43	4.554	4.554	(0.452)	21180	5.00000	3.925
12 1,1-Dichloroethene	96	4.711	4.711	(0.468)	64875	5.00000	5.115
13 Acetonitrile	41	4.919	4.919	(0.489)	21492	25.0000	36.32(a)
14 Iodomethane	142	5.145	5.145	(0.511)	64980	5.00000	4.484(a)
15 Methyl acetate	74	5.198	5.198	(0.516)	10078	5.00000	6.099(M)
16 Allyl chloride	39	5.198	5.198	(0.516)	55546	5.00000	5.184
17 Methylene Chloride	84	5.389	5.389	(0.535)	225743	5.00000	3.876
18 Carbon Disulfide	76	5.424	5.424	(0.539)	214539	5.00000	5.336
19 Acrylonitrile	53	5.598	5.598	(0.556)	43694	25.0000	25.78(a)
20 MTBE	73	5.632	5.632	(0.560)	142404	5.00000	5.101(M)
21 trans-1,2-Dichloroethene	96	5.858	5.858	(0.582)	72696	5.00000	5.191
22 n-Hexane	57	5.945	5.945	(0.591)	112466	5.00000	5.674
24 Vinyl acetate	43	6.536	6.536	(0.649)	110387	5.00000	5.009(a)

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4170.D
Report Date: 28-Nov-2006 10:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	6.536	6.536	(0.649)	153925	5.00000	5.476
	25 2-Chloro-1,3-butadiene	53	6.693	6.693	(0.665)	96098	5.00000	4.868(a)
	27 2-Butanone	43	7.336	7.336	(0.729)	20024	5.00000	5.152
	28 Propionitrile	54	7.423	7.423	(0.737)	16866	25.0000	36.80(a)
	29 2,2-Dichloropropane	77	7.545	7.545	(0.750)	126437	5.00000	5.328
	31 Ethyl acetate	43	7.614	7.614	(0.756)	122049	10.0000	10.99(a)
	30 cis-1,2-Dichloroethene	96	7.632	7.632	(0.758)	81503	5.00000	5.277
	32 Methacrylonitrile	41	7.823	7.823	(0.777)	148477	25.0000	24.02(a)
	33 Chloroform	83	7.910	7.910	(0.786)	149202	5.00000	5.075
M	38 1,2-Dichloroethene (total)	96				154199	10.0000	10.47
	34 Bromochloromethane	128	8.258	8.258	(0.820)	49485	5.00000	5.287
	37 Tetrahydrofuran	71	8.327	8.327	(0.827)	27855	25.0000	27.92
$	36 Dibromofluoromethane	113	8.345	8.345	(0.829)	110622	5.00000	4.753
	39 1,1,1-Trichloroethane	97	8.693	8.693	(0.864)	114942	5.00000	4.814
	35 Isobutanol	42	8.727	8.727	(0.867)	31370	100.000	116.6(a)
	40 Cyclohexane	84	8.727	8.727	(0.867)	83138	5.00000	4.949(a)
	41 1,1-Dichloropropene	75	9.023	9.023	(0.896)	126896	5.00000	5.120
	42 Carbon Tetrachloride	117	9.214	9.214	(0.915)	97067	5.00000	4.872
	45 n-Butanol	56	9.336	9.336	(0.927)	17184	50.0000	50.49(a)
$	43 1,2-Dichloroethane-d4	67	9.353	9.353	(0.929)	38287	5.00000	4.998
	46 1,2-Dichloroethane	62	9.562	9.562	(0.950)	85184	5.00000	5.133
	47 Benzene	78	9.597	9.597	(0.953)	220612	5.00000	4.897
*	48 Fluorobenzene	96	10.066	10.066	(1.000)	2706168	50.0000	
	49 Trichloroethene	130	10.970	10.970	(1.090)	92335	5.00000	4.940
	50 Methylcyclohexane	55	11.092	11.092	(1.102)	117444	5.00000	5.180
	51 1,2-Dichloropropane	63	11.370	11.370	(1.130)	100668	5.00000	5.206
	52 Methyl methacrylate	69	11.579	11.579	(1.150)	45051	5.00000	4.871
	53 Bromodichloromethane	83	11.927	11.927	(1.185)	142651	5.00000	4.610
	55 1,4-Dioxane	88	12.083	12.083	(1.200)	14301	100.000	95.79(aM)
	54 Dibromomethane	93	12.048	12.048	(1.197)	83620	5.00000	5.083
	56 2-Nitropropane	43	12.153	12.153	(1.207)	26737	5.00000	6.860
	57 2-chloroethyl vinyl ether	63	12.796	12.796	(1.271)	40417	5.00000	4.723(a)
	58 4-Methyl-2-pentanone	43	12.848	12.848	(1.276)	94593	5.00000	4.733
	59 cis-1,3-Dichloropropene	75	13.370	13.370	(1.328)	129195	5.00000	4.806
$	61 Toluene-d8	98	13.996	13.996	(0.763)	255669	5.00000	5.275
	62 Toluene	91	14.204	14.204	(0.774)	275937	5.00000	4.969
	63 trans-1,3-Dichloropropene	75	14.761	14.761	(0.805)	98077	5.00000	4.926
	64 Ethyl methacrylate	69	14.830	14.830	(0.809)	101678	5.00000	5.073
	65 1,1,2-Trichloroethane	97	15.161	15.161	(0.827)	74396	5.00000	4.932
	66 2-Hexanone	43	15.300	15.300	(0.834)	50470	5.00000	5.608
	67 1,3-Dichloropropane	76	15.874	15.874	(0.865)	135214	5.00000	5.374
	68 Tetrachloroethene	164	16.013	16.013	(0.873)	89856	5.00000	4.821
	69 Chlorodibromomethane	129	16.569	16.569	(0.903)	92493	5.00000	4.376
	70 1,2-Dibromoethane	107	17.160	17.160	(0.936)	104386	5.00000	4.784
*	71 Chlorobenzene-d5	117	18.343	18.343	(1.000)	2033795	50.0000	
	72 Chlorobenzene	112	18.447	18.447	(1.006)	219320	5.00000	5.431
	73 1,1,1,2-Tetrachloroethane	131	18.621	18.621	(1.015)	75760	5.00000	4.601
	74 Ethylbenzene	106	18.690	18.690	(1.019)	97597	5.00000	5.365
	75 m,p-Xylenes	106	18.951	18.951	(1.033)	247888	10.0000	10.19
	76 o-Xylene	106	20.307	20.307	(1.107)	117560	5.00000	5.137
	77 Styrene	104	20.446	20.446	(1.115)	173512	5.00000	4.606
M	78 Xylenes (total)	106				365448	15.0000	15.32
	79 Bromoform	173	21.385	21.385	(1.166)	56008	5.00000	7.082
	80 Isopropylbenzene	105	21.507	21.507	(1.173)	280496	5.00000	4.799

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4170.D
Report Date: 28-Nov-2006 10:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	81 Cyclohexanone	55	21.629	21.629	(1.179)	36850	50.0000	52.24(a)
	82 1,1,2,2-Tetrachloroethane	83	22.098	22.098	(1.205)	123258	5.00000	4.881
$	83 4-Bromofluorobenzene	95	22.289	22.289	(0.899)	167208	5.00000	4.817
	84 1,2,3-Trichloropropane	110	22.550	22.550	(0.910)	25836	5.00000	4.366
	85 Bromobenzene	156	22.742	22.742	(0.917)	81703	5.00000	4.422
	86 n-Propylbenzene	91	22.794	22.794	(0.919)	413063	5.00000	4.671
	88 trans-1,4-dichloro-2-butene	53	22.811	22.811	(0.920)	19882	5.00000	4.473
	87 2-Chlorotoluene	91	23.141	23.141	(0.933)	234981	5.00000	4.343
	89 1,3,5-Trimethylbenzene	105	23.211	23.211	(0.936)	235647	5.00000	4.670
	90 4-Chlorotoluene	91	23.263	23.263	(0.938)	334024	5.00000	4.783
	91 t-Butylbenzene	119	23.941	23.941	(0.966)	261422	5.00000	4.431
	92 Pentachloroethane	167	23.993	23.993	(0.968)	30441	5.00000	5.678
	93 1,2,4-Trimethylbenzene	105	24.011	24.011	(0.968)	222633	5.00000	4.767
	94 sec Butylbenzene	105	24.324	24.324	(0.981)	367455	5.00000	4.531
	95 4-Isopropyltoluene	119	24.567	24.567	(0.991)	232348	5.00000	4.322
	96 1,3-Dichlorobenzene	146	24.672	24.672	(0.995)	165368	5.00000	5.127
*	97 1,4 Dichlorobenzene-d4	152	24.793	24.793	(1.000)	1057525	50.0000	
	98 1,4-Dichlorobenzene	146	24.845	24.845	(1.002)	184104	5.00000	5.044
	99 n-Butylbenzene	91	25.211	25.211	(1.017)	260767	5.00000	4.629
	100 1,2-Dichlorobenzene	146	25.384	25.384	(1.024)	162509	5.00000	5.112
	147 Nonanal	57	25.837	25.837	(1.042)	37432	5.00000	5.127(AM)
	101 1,2-Dibromo-3-chloropropane	157	26.428	26.428	(1.066)	22812	5.00000	4.643
	103 1,2,4-Trichlorobenzene	180	27.367	27.367	(1.104)	63414	5.00000	4.280
	104 Hexachlorobutadiene	225	27.523	27.523	(1.110)	39911	5.00000	4.014
	105 Naphthalene	128	27.627	27.627	(1.114)	146467	5.00000	5.566
	106 1,2,3-Trichlorobenzene	180	27.888	27.888	(1.125)	60249	5.00000	4.486

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.
H - Operator selected an alternate compound hit.

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4170.D
Report Date: 28-Nov-2006 10:23

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GCAL4170.D
Lab Smp Id: VSTD005
Analysis Type: VOA
Quant Type: ISTD
Operator: SS
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Misc Info: VBLKG331C.B;

Calibration Date: 27-NOV-2006
Calibration Time: 21:57

Level: LOW
Sample Type: WATER

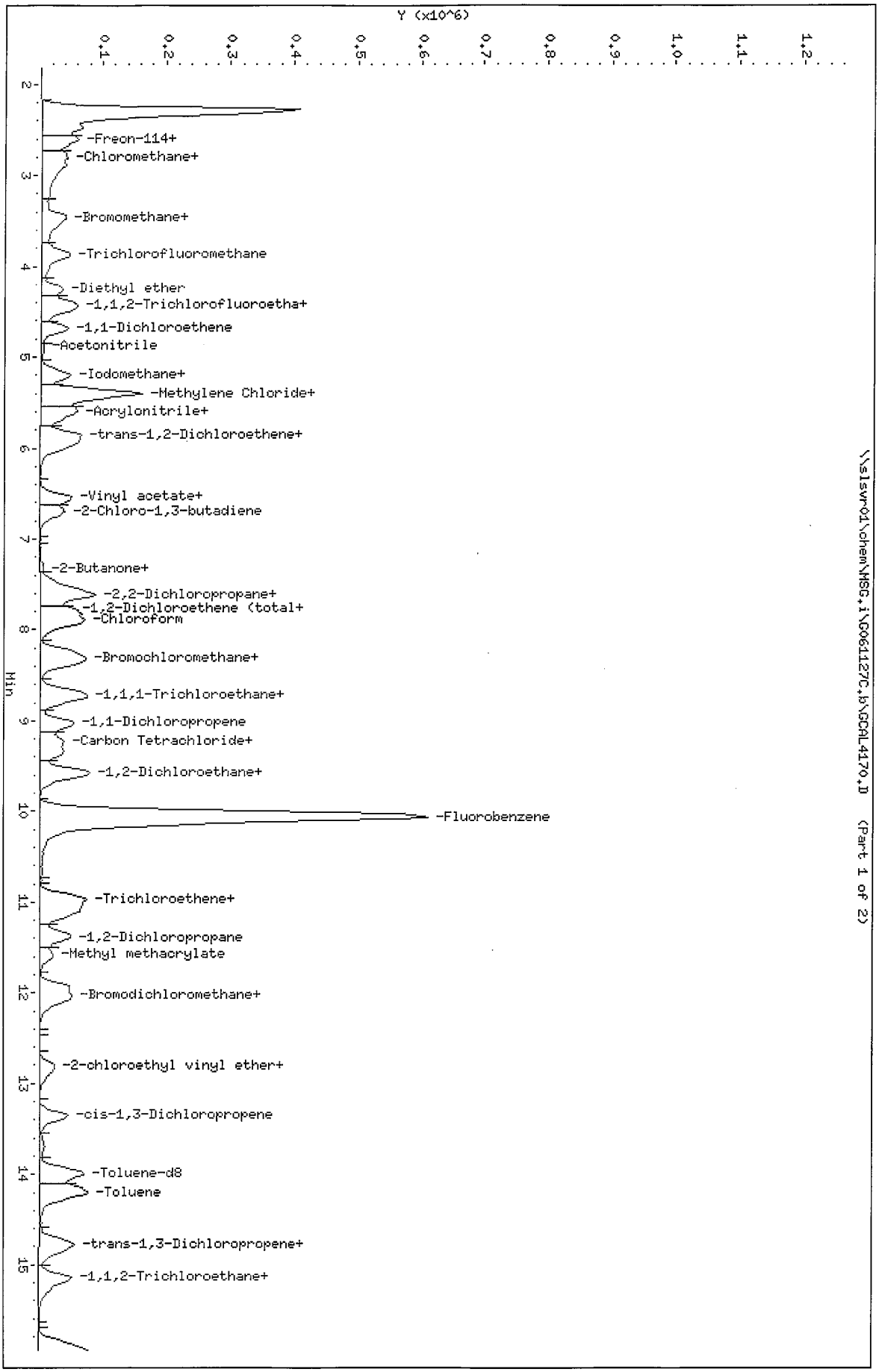
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3088621	1544311	6177242	2706168	-12.38
71 Chlorobenzene-d5	2420626	1210313	4841252	2033795	-15.98
97 1,4 Dichlorobenze	1211198	605599	2422396	1057525	-12.69

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.07	9.57	10.57	10.07	-0.00
71 Chlorobenzene-d5	18.34	17.84	18.84	18.34	-0.00
97 1,4 Dichlorobenze	24.81	24.31	25.31	24.79	-0.07

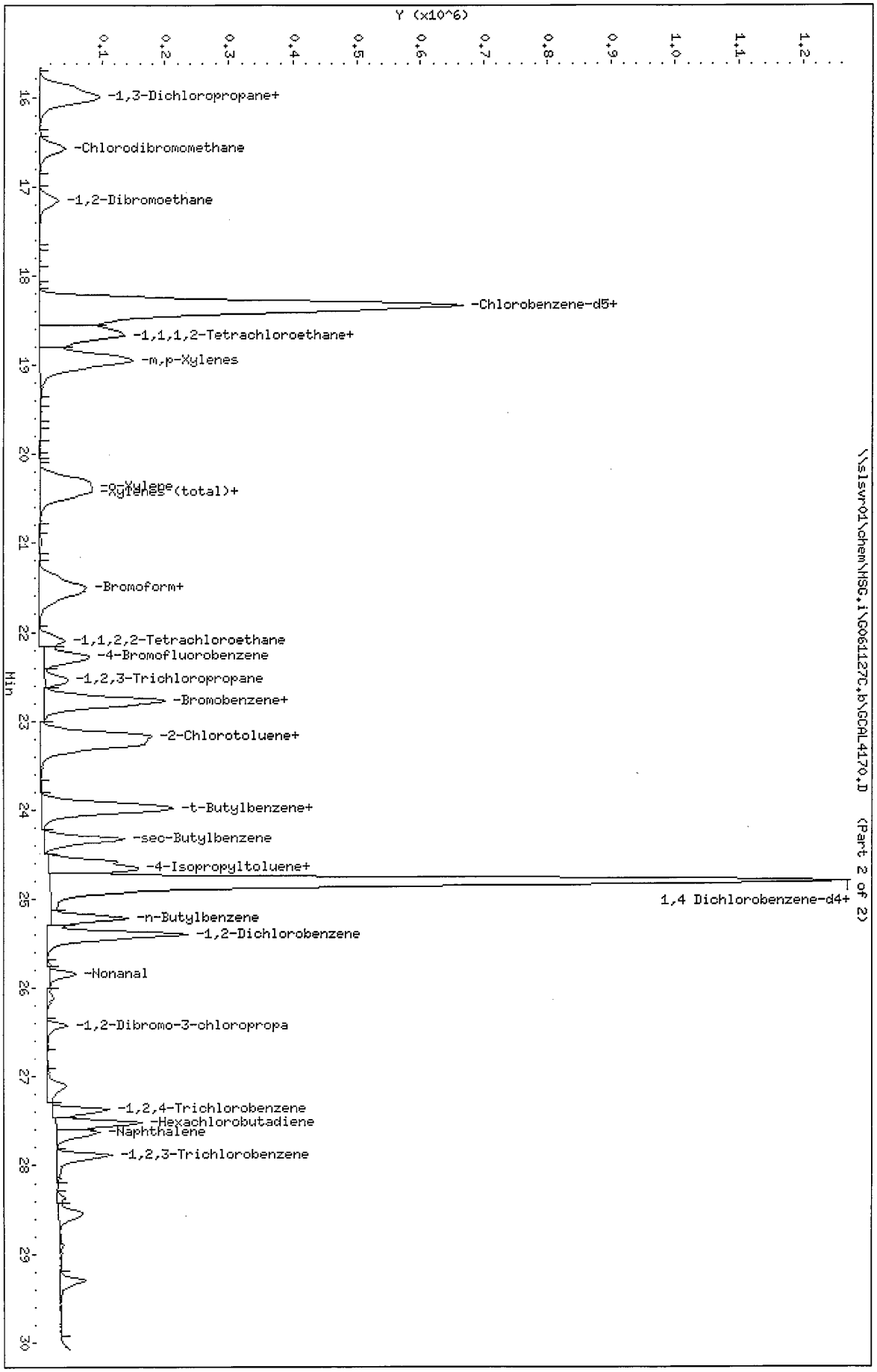
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\slsvr01\chem\MSC.i\G061127C.b\GCAL4170.D
Date : 27-NOV-2006 20:08
Client ID:
Sample Info: VSTD005;G061127C.b
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: MSC.i
Operator: SS
Column diameter: 0.53

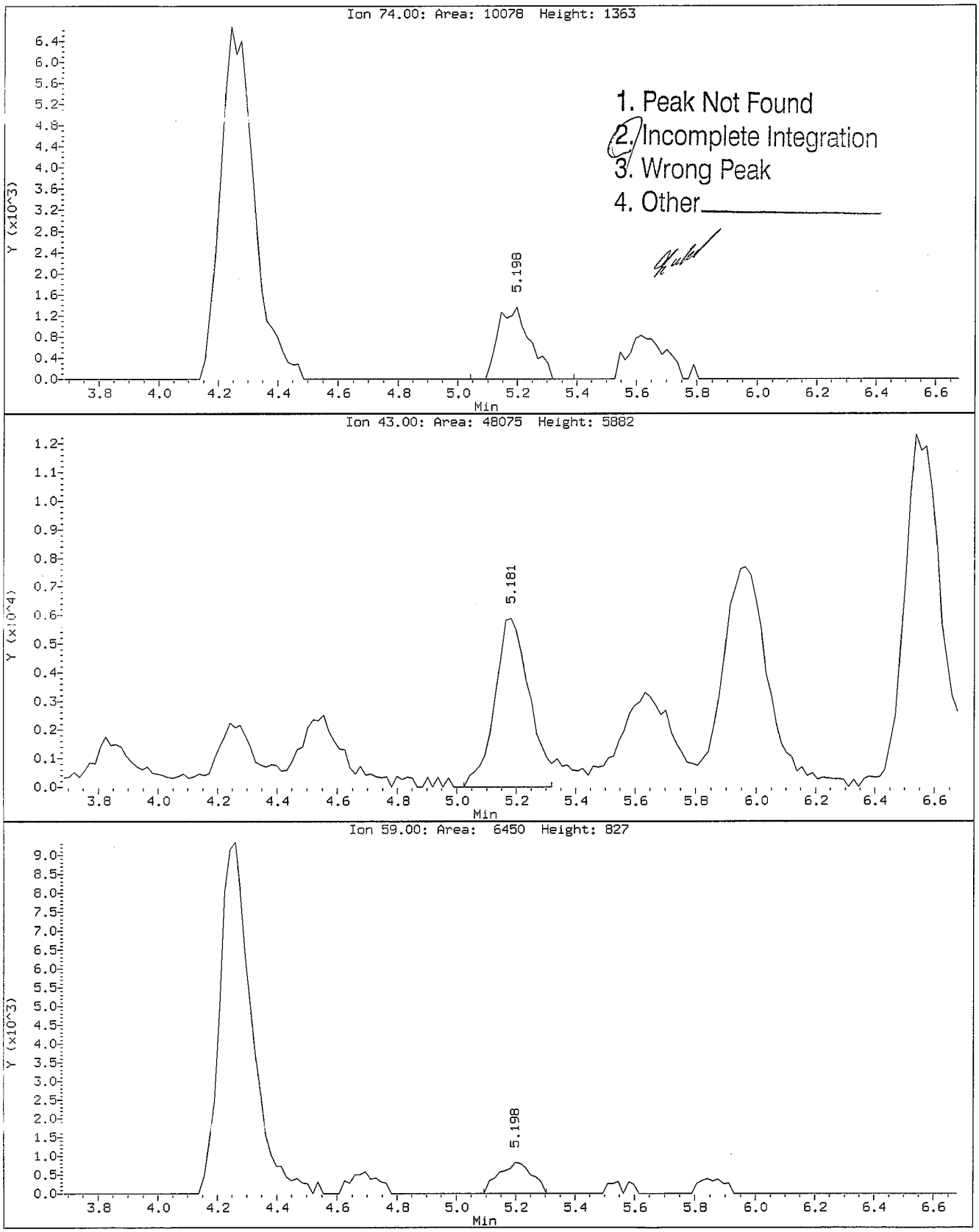


\\slsvr01\chem\MSC.i\G061127C.b\GCAL4170.D (Part 1 of 2)


Data File: \\slsvr01\chem\MSC.i\G061127C.b\GCAL4170.D
Date : 27-NOV-2006 20:08
Client ID:
Sample Info: VSTD005;G061127C.b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSC.i
Operator: SS
Column diameter: 0.53
\\slsvr01\chem\MSC.i\G061127C.b\GCAL4170.D (Part 2 of 2)
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
Min
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
-1,3-Dichloropropane+
-Chlorodibromomethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m,p-Xylenes
-o-Xylene
Xylenes (total)+
-Bromoform+
-1,1,2,2-Tetrachloroethane
-4-Bromofluorobenzene
-1,2,3-Trichloropropane
-Bromobenzene+
-2-Chlorotoluene+
-t-Butylbenzene+
-sec-Butylbenzene
-4-Isopropyltoluene+
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Nonanal
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

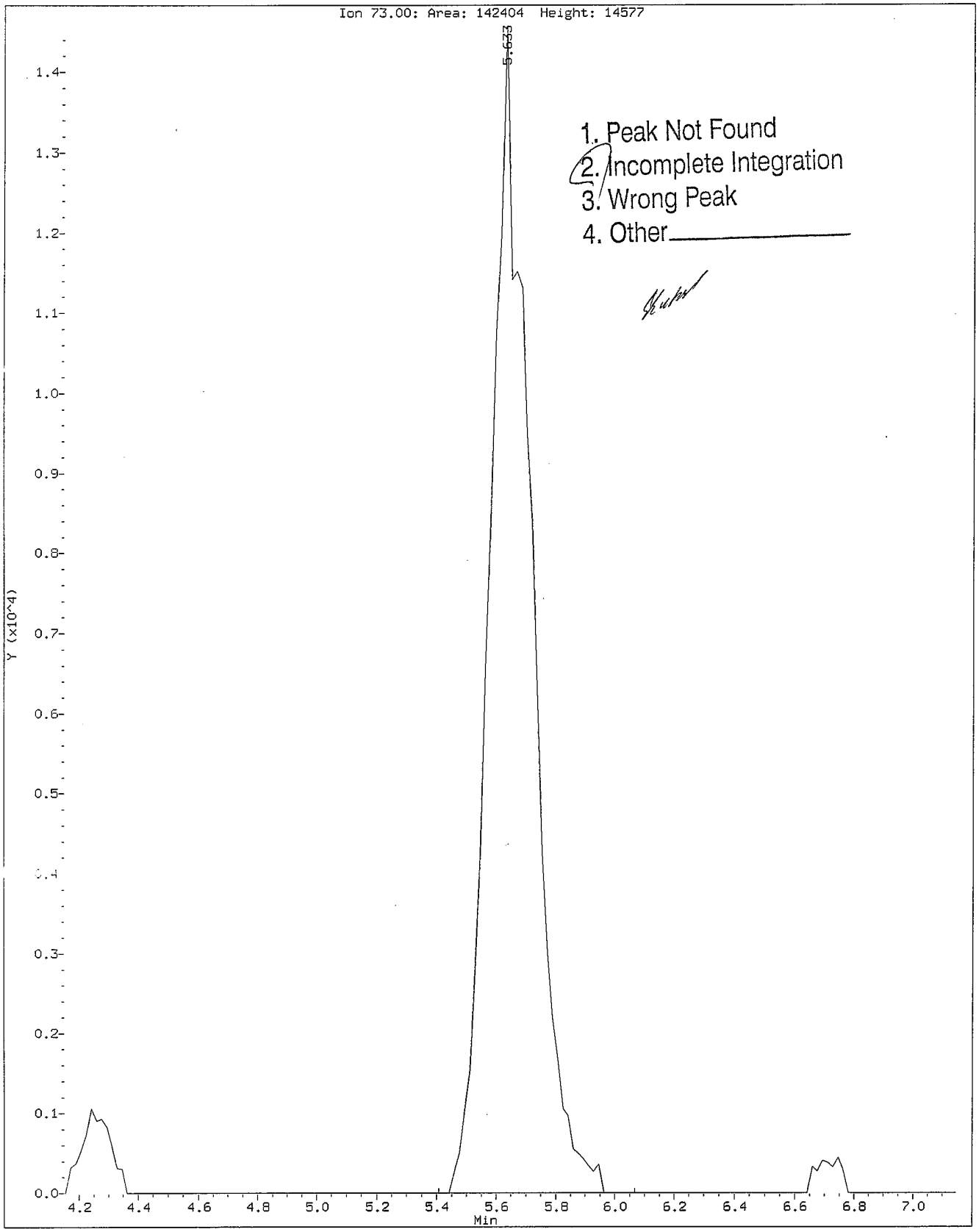
Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4170.D
Injection Date: 27-NOV-2006 20:08
Instrument: MSG.i
Client Sample ID:

Compound: Methyl acetate
CAS Number: 79-20-9



Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4170.D
Injection Date: 27-NOV-2006 20:08
Instrument: MSG.i
Client Sample ID:

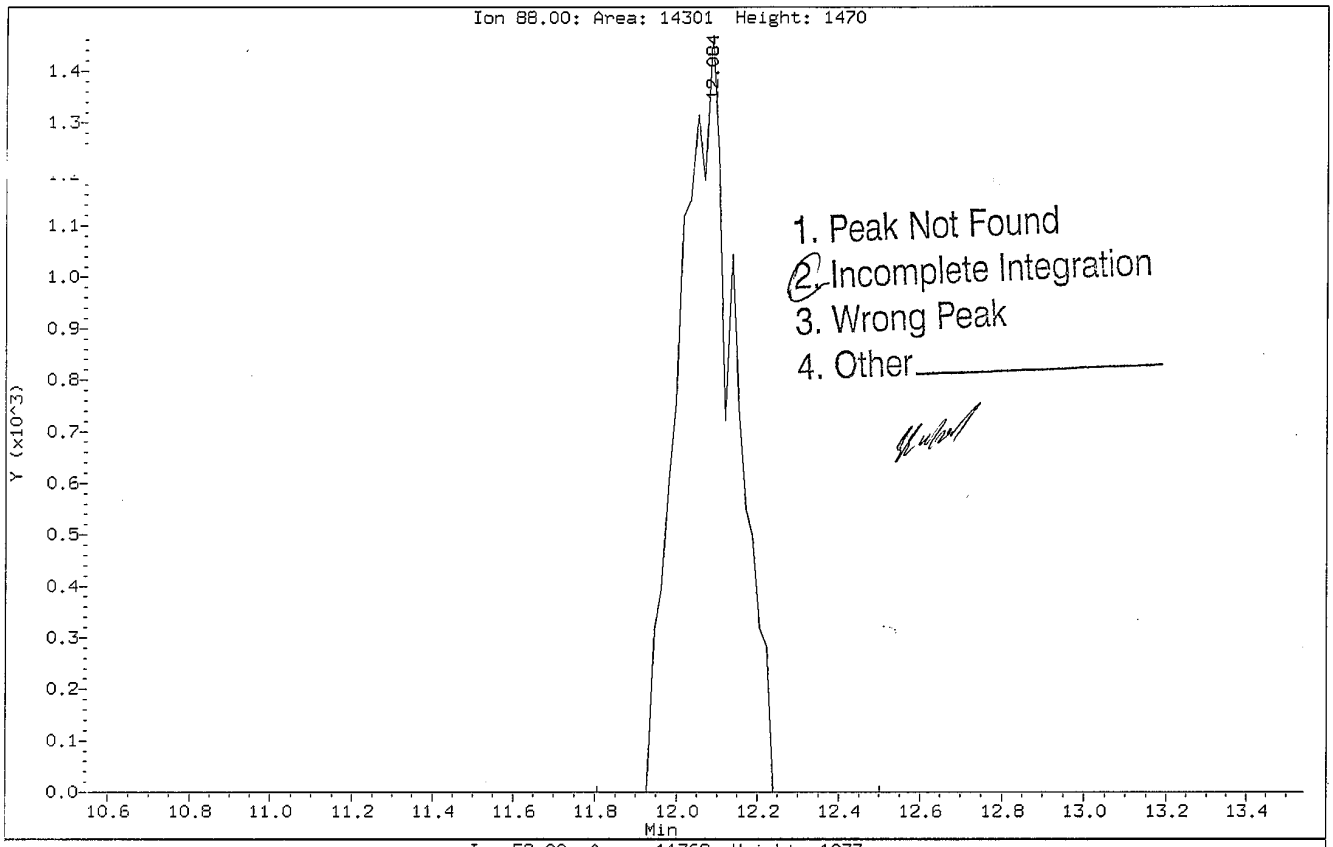
Compound: MTBE
CAS Number: 1634-04-4

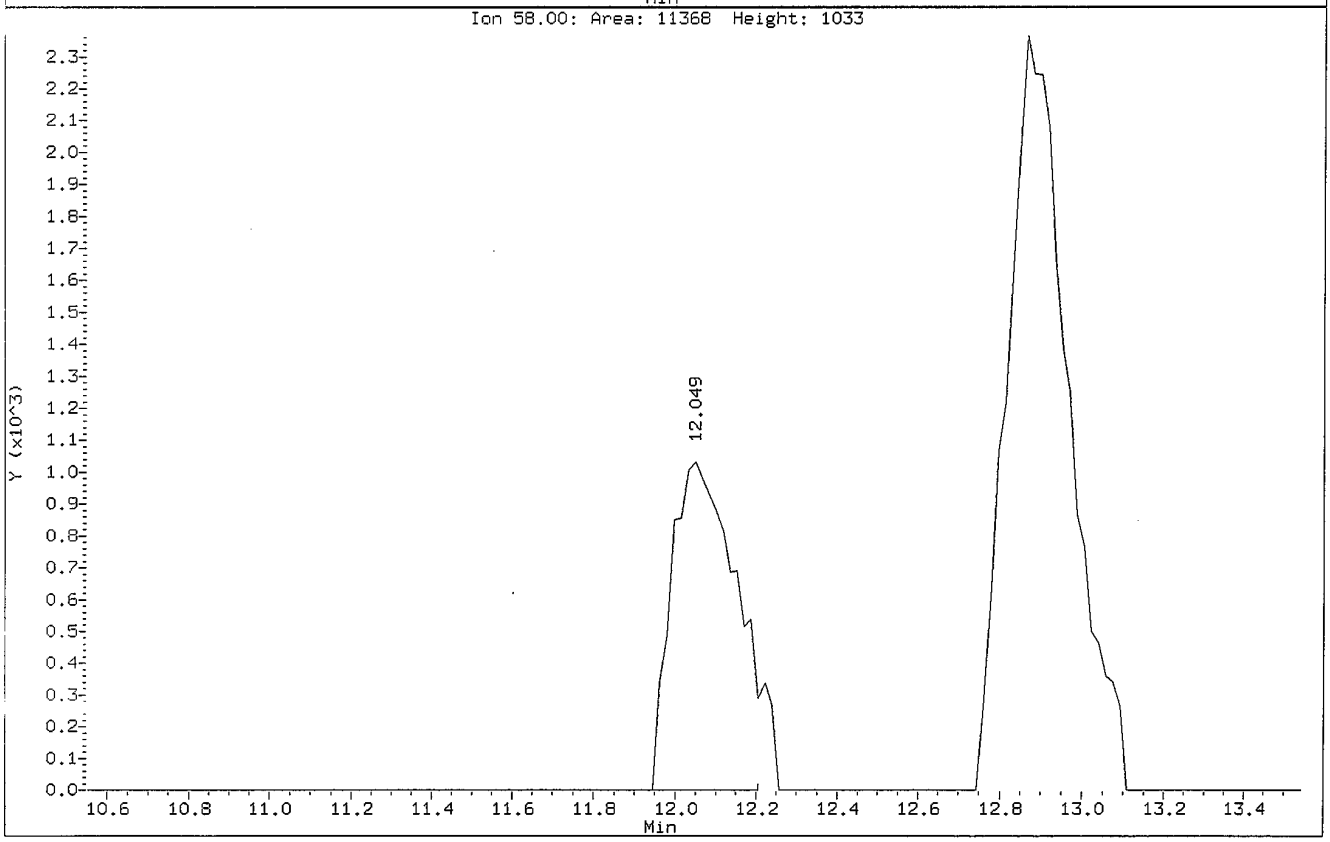


1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other _____

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4170.D
Injection Date: 27-NOV-2006 20:08
Instrument: MSG.i
Client Sample ID:

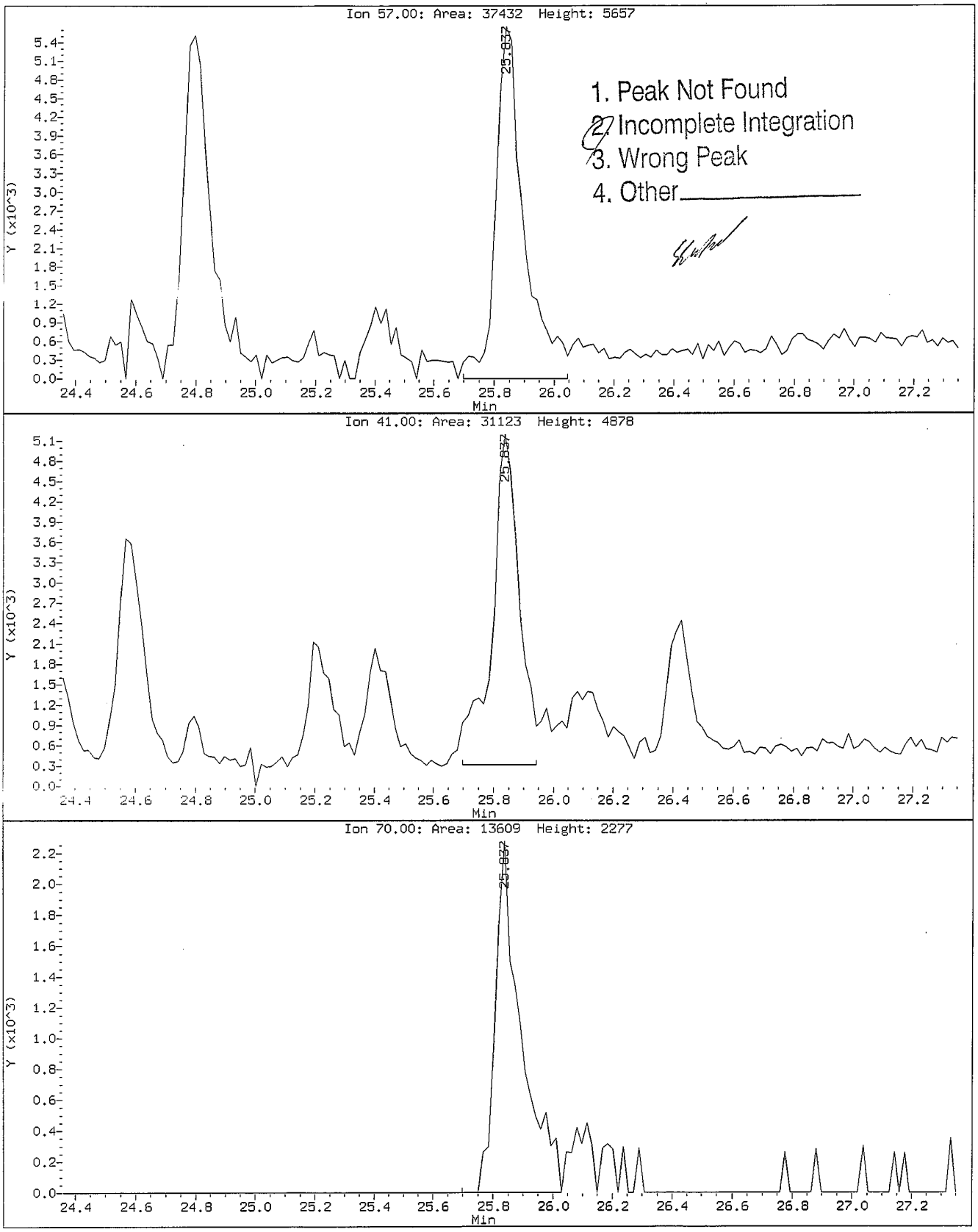
Compound: 1,4-Dioxane
CAS Number: 123-91-1





Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4170.D
Injection Date: 27-NOV-2006 20:08
Instrument: MSG.i
Client Sample ID:

Compound: Nonanal
CAS Number: 124-19-6



Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4171.D
Report Date: 28-Nov-2006 10:24

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GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4171.D
Lab Smp Id: VSTD010
Inj Date : 27-NOV-2006 20:45
Operator : SS Inst ID: MSG.i
Smp Info : VSTD010;G061127C.b
Misc Info : VBLKG331C.B;
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Meth Date : 28-Nov-2006 10:17 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 20:45 Cal File: GCAL4171.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CCAL.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.503	2.503	(0.249)	175209	10.0000	5.848(M)
2 Freon-114	135	2.625	2.625	(0.261)	86595	10.0000	11.74
3 Chloromethane	50	2.799	2.799	(0.278)	163181	10.0000	10.36
4 Vinyl Chloride	62	2.903	2.903	(0.288)	129356	10.0000	10.69
5 Bromomethane	94	3.442	3.442	(0.342)	142169	10.0000	9.672
6 Chloroethane	64	3.547	3.547	(0.352)	90191	10.0000	10.24
7 Trichlorofluoromethane	101	3.877	3.877	(0.385)	244481	10.0000	9.669
8 Diethyl ether	59	4.259	4.259	(0.423)	135009	20.0000	19.80
9 1,1,2-Trichlorofluoroethane	101	4.433	4.433	(0.440)	263061	10.0000	9.788
11 Acetone	43	4.538	4.538	(0.451)	35760	10.0000	10.70
12 1,1-Dichloroethene	96	4.677	4.677	(0.465)	123184	10.0000	9.356
13 Acetonitrile	41	4.920	4.920	(0.489)	27177	50.0000	44.24(a)
14 Iodomethane	142	5.146	5.146	(0.511)	145796	10.0000	9.693
15 Methyl acetate	74	5.181	5.181	(0.515)	17472	10.0000	10.19
16 Allyl chloride	39	5.216	5.216	(0.518)	105985	10.0000	9.529
17 Methylene Chloride	84	5.390	5.390	(0.535)	325356	10.0000	9.519
18 Carbon Disulfide	76	5.424	5.424	(0.539)	397685	10.0000	9.529
19 Acrylonitrile	53	5.581	5.581	(0.554)	78574	50.0000	44.67(a)
20 MTBE	73	5.650	5.650	(0.561)	272688	10.0000	9.410
21 trans-1,2-Dichloroethene	96	5.842	5.842	(0.580)	141637	10.0000	9.744
22 n-Hexane	57	5.963	5.963	(0.592)	200052	10.0000	9.722
24 Vinyl acetate	43	6.555	6.555	(0.651)	210369	10.0000	9.196(a)

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4171.D
Report Date: 28-Nov-2006 10:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	6.537	6.537	(0.649)	292110	10.0000	10.01
	25 2-Chloro-1,3-butadiene	53	6.711	6.711	(0.667)	190947	10.0000	9.318
	27 2-Butanone	43	7.337	7.337	(0.729)	35031	10.0000	8.683
	28 Propionitrile	54	7.441	7.441	(0.739)	34675	50.0000	54.82(a)
	29 2,2-Dichloropropane	77	7.528	7.528	(0.748)	244890	10.0000	9.942
	31 Ethyl acetate	43	7.615	7.615	(0.756)	206440	20.0000	17.90(a)
	30 cis-1,2-Dichloroethene	96	7.633	7.633	(0.758)	158597	10.0000	9.892
	32 Methacrylonitrile	41	7.806	7.806	(0.775)	282544	50.0000	44.04(a)
	33 Chloroform	83	7.928	7.928	(0.788)	290821	10.0000	9.529
M	38 1,2-Dichloroethene (total)	96				300234	20.0000	19.64
	34 Bromochloromethane	128	8.241	8.241	(0.819)	95959	10.0000	9.876
	37 Tetrahydrofuran	71	8.345	8.345	(0.829)	49188	50.0000	47.50
$	36 Dibromofluoromethane	113	8.345	8.345	(0.829)	235136	10.0000	9.732
	39 1,1,1-Trichloroethane	97	8.711	8.711	(0.865)	233387	10.0000	9.416
	35 Isobutanol	42	8.745	8.745	(0.869)	56423	200.000	202.0
	40 Cyclohexane	84	8.745	8.745	(0.869)	164717	10.0000	9.446
	41 1,1-Dichloropropene	75	9.024	9.024	(0.896)	244291	10.0000	9.496
	42 Carbon Tetrachloride	117	9.232	9.232	(0.917)	191543	10.0000	9.261
	45 n-Butanol	56	9.319	9.319	(0.926)	35417	100.000	103.7(a)
$	43 1,2-Dichloroethane-d4	67	9.354	9.354	(0.929)	80219	10.0000	10.09
	46 1,2-Dichloroethane	62	9.563	9.563	(0.950)	168722	10.0000	9.794
	47 Benzene	78	9.580	9.580	(0.952)	434779	10.0000	9.296
*	48 Fluorobenzene	96	10.067	10.067	(1.000)	2809151	50.0000	
	49 Trichloroethene	130	10.971	10.971	(1.090)	182879	10.0000	9.425
	50 Methylcyclohexane	55	11.110	11.110	(1.104)	234187	10.0000	9.951
	51 1,2-Dichloropropane	63	11.371	11.371	(1.130)	196110	10.0000	9.770
	52 Methyl methacrylate	69	11.580	11.580	(1.150)	89262	10.0000	9.297
	53 Bromodichloromethane	83	11.945	11.945	(1.187)	294212	10.0000	9.159
	55 1,4-Dioxane	88	12.066	12.066	(1.199)	31622	200.000	204.0(a)
	54 Dibromomethane	93	12.066	12.066	(1.199)	161241	10.0000	9.441
	56 2-Nitropropane	43	12.153	12.153	(1.207)	59460	10.0000	10.77
	57 2-chloroethyl vinyl ether	63	12.779	12.779	(1.269)	78482	10.0000	8.835
	58 4-Methyl-2-pentanone	43	12.866	12.866	(1.278)	181015	10.0000	8.726
	59 cis-1,3-Dichloropropene	75	13.353	13.353	(1.326)	258873	10.0000	9.276
$	61 Toluene-d8	98	13.996	13.996	(0.763)	529034	10.0000	10.77
	62 Toluene	91	14.205	14.205	(0.774)	558181	10.0000	9.926
	63 trans-1,3-Dichloropropene	75	14.744	14.744	(0.804)	192413	10.0000	9.548
	64 Ethyl methacrylate	69	14.831	14.831	(0.809)	194244	10.0000	9.575
	65 1,1,2-Trichloroethane	97	15.144	15.144	(0.826)	150166	10.0000	9.833
	66 2-Hexanone	43	15.283	15.283	(0.833)	88762	10.0000	9.236
	67 1,3-Dichloropropane	76	15.892	15.892	(0.866)	252288	10.0000	9.902
	68 Tetrachloroethene	164	16.013	16.013	(0.873)	189260	10.0000	10.03
	69 Chlorodibromomethane	129	16.570	16.570	(0.903)	197652	10.0000	9.242
	70 1,2-Dibromoethane	107	17.143	17.143	(0.935)	211734	10.0000	9.587
*	71 Chlorobenzene-d5	117	18.343	18.343	(1.000)	2032863	50.0000	(M)
	72 Chlorobenzene	112	18.448	18.448	(1.006)	414714	10.0000	10.14
	73 1,1,1,2-Tetrachloroethane	131	18.621	18.621	(1.015)	158917	10.0000	9.536
	74 Ethylbenzene	106	18.691	18.691	(1.019)	185624	10.0000	10.07
	75 m,p-Xylenes	106	18.952	18.952	(1.033)	502921	20.0000	20.40
	76 o-Xylene	106	20.325	20.325	(1.108)	246877	10.0000	10.64
	77 Styrene	104	20.430	20.430	(1.114)	370878	10.0000	9.725
M	78 Xylenes (total)	106				749798	30.0000	31.04
	79 Bromoform	173	21.386	21.386	(1.166)	114320	10.0000	10.30
	80 Isopropylbenzene	105	21.508	21.508	(1.173)	558024	10.0000	9.434

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4171.D
Report Date: 28-Nov-2006 10:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	81 Cyclohexanone	55	21.647	21.647	(1.180)	76386	100.000	106.8
	82 1,1,2,2-Tetrachloroethane	83	22.099	22.099	(1.205)	229176	10.0000	8.974
$	83 4-Bromofluorobenzene	95	22.290	22.290	(0.899)	341098	10.0000	9.894
	84 1,2,3-Trichloropropane	110	22.551	22.551	(0.910)	53651	10.0000	9.128
	85 Bromobenzene	156	22.760	22.760	(0.918)	170064	10.0000	9.266
	86 n-Propylbenzene	91	22.794	22.794	(0.919)	861669	10.0000	9.810
	88 trans-1,4-dichloro-2-butene	53	22.829	22.829	(0.921)	40220	10.0000	9.110
	87 2-Chlorotoluene	91	23.160	23.160	(0.934)	557750	10.0000	10.38
	89 1,3,5-Trimethylbenzene	105	23.194	23.194	(0.935)	465889	10.0000	9.295
	90 4-Chlorotoluene	91	23.264	23.264	(0.938)	698352	10.0000	10.07
	91 t-Butylbenzene	119	23.942	23.942	(0.966)	540852	10.0000	9.230
	92 Pentachloroethane	167	23.994	23.994	(0.968)	58626	10.0000	9.482
	93 1,2,4-Trimethylbenzene	105	24.012	24.012	(0.968)	413447	10.0000	8.912
	94 sec-Butylbenzene	105	24.324	24.324	(0.981)	734556	10.0000	9.120
	95 4-Isopropyltoluene	119	24.585	24.585	(0.992)	481174	10.0000	9.011
	96 1,3-Dichlorobenzene	146	24.672	24.672	(0.995)	301556	10.0000	9.413
*	97 1,4 Dichlorobenzene-d4	152	24.794	24.794	(1.000)	1050417	50.0000	
	98 1,4-Dichlorobenzene	146	24.846	24.846	(1.002)	337412	10.0000	9.308
	99 n-Butylbenzene	91	25.211	25.211	(1.017)	521721	10.0000	9.324
	100 1,2-Dichlorobenzene	146	25.385	25.385	(1.024)	306420	10.0000	9.704
	147 Nonanal	57	25.837	25.837	(1.042)	60651	10.0000	8.934(A)
	101 1,2-Dibromo-3-chloropropane	157	26.411	26.411	(1.065)	44613	10.0000	9.142
	103 1,2,4-Trichlorobenzene	180	27.385	27.385	(1.104)	127863	10.0000	8.689
	104 Hexachlorobutadiene	225	27.524	27.524	(1.110)	88101	10.0000	8.920
	105 Naphthalene	128	27.628	27.628	(1.114)	250768	10.0000	9.595
	106 1,2,3-Trichlorobenzene	180	27.889	27.889	(1.125)	128641	10.0000	9.642

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: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4171.D
Report Date: 28-Nov-2006 10:24

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GCAL4171.D
Lab Smp Id: VSTD010
Analysis Type: VOA
Quant Type: ISTD
Operator: SS
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Misc Info: VBLKG331C.B;

Calibration Date: 27-NOV-2006
Calibration Time: 21:57

Level: LOW
Sample Type: WATER

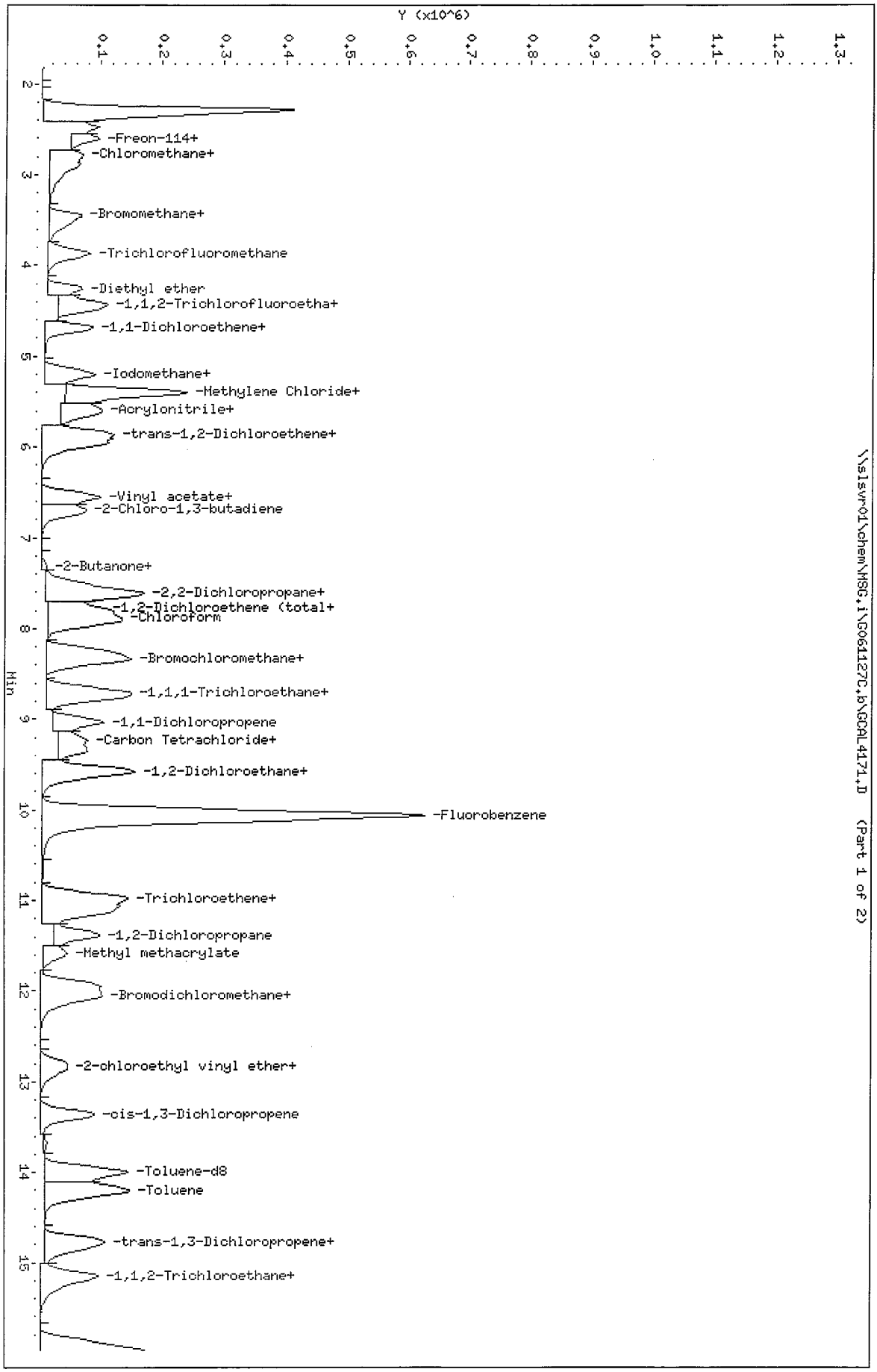
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3088621	1544311	6177242	2809151	-9.05
71 Chlorobenzene-d5	2420626	1210313	4841252	2032863	-16.02
97 1,4 Dichlorobenze	1211198	605599	2422396	1050417	-13.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.07	9.57	10.57	10.07	0.00
71 Chlorobenzene-d5	18.34	17.84	18.84	18.34	0.00
97 1,4 Dichlorobenze	24.81	24.31	25.31	24.79	-0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\slsvr01\chem\MSG,i\G061127C.b\GCAL4171.D
Date : 27-NOV-2006 20:45
Client ID:
Sample Info: VSTD010;G061127C.b
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: MSG,i
Operator: SS
Column diameter: 0.53



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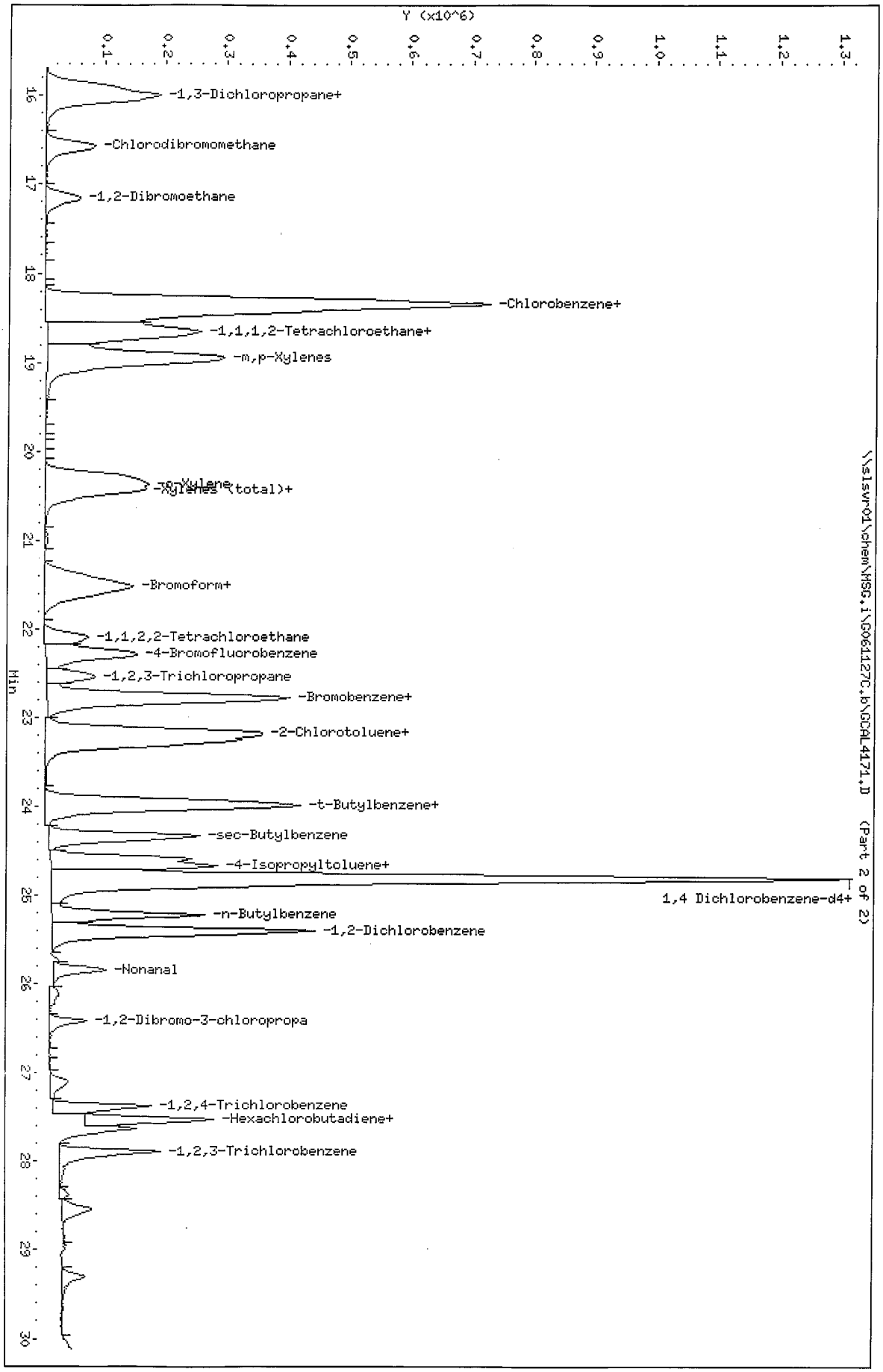
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Date : 27-NOV-2006 20:45
Client ID:
Sample Info: VSTD010;G061127C.b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG.i
Operator: SS
Column diameter: 0.53
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
Min
16
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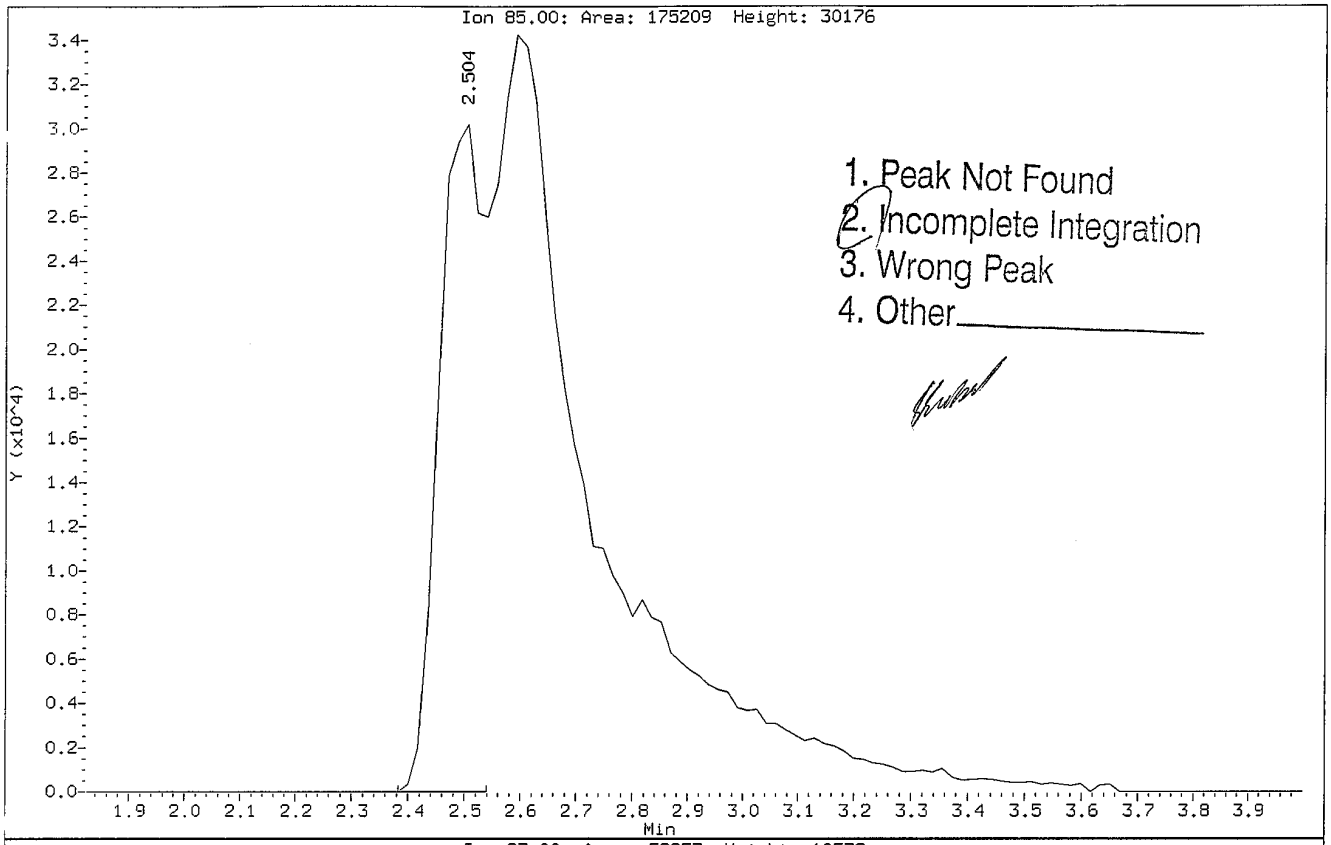
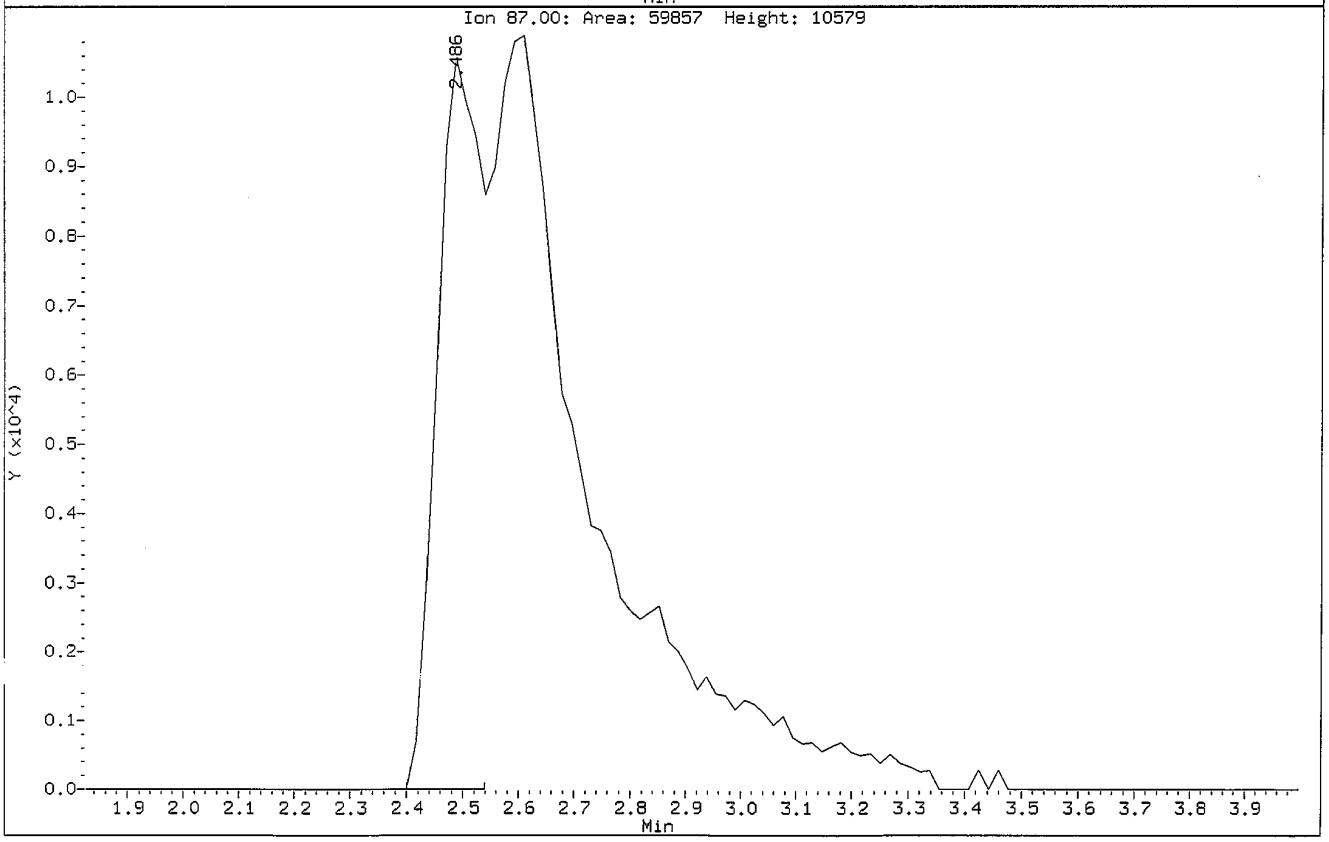
26
27
28
29
30
-1,3-Dichloropropane+
-Chlorodibromomethane
-1,2-Dibromoethane
-Chlorobenzene+
-1,1,1,2-Tetrachloroethane+
-m,p-Xylenes
-o-Xylene
-Xylenes (total)+
-Bromoform+
-1,1,2,2-Tetrachloroethane
-4-Bromofluorobenzene
-1,2,3-Trichloropropane
-Bromobenzene+
-2-Chlorotoluene+
-t-Butylbenzene+
-sec-Butylbenzene
-4-Isopropyltoluene+
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Nonanal
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
\\slsvr01\chem\MSG.i\G061127C.b\GCAL4171.D (Part 2 of 2)

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4171.D
Injection Date: 27-NOV-2006 20:45
Instrument: MSG.i
Client Sample ID:

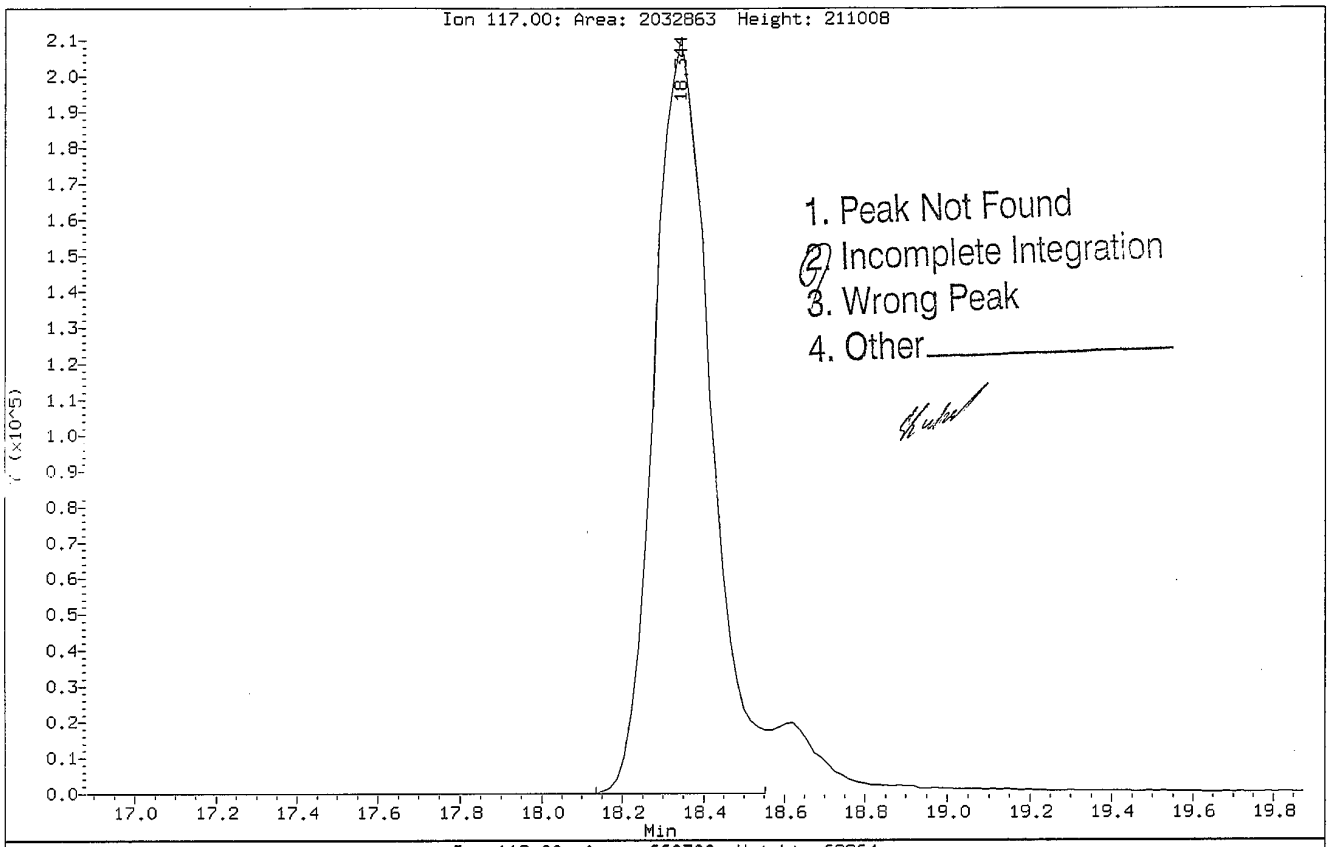
Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



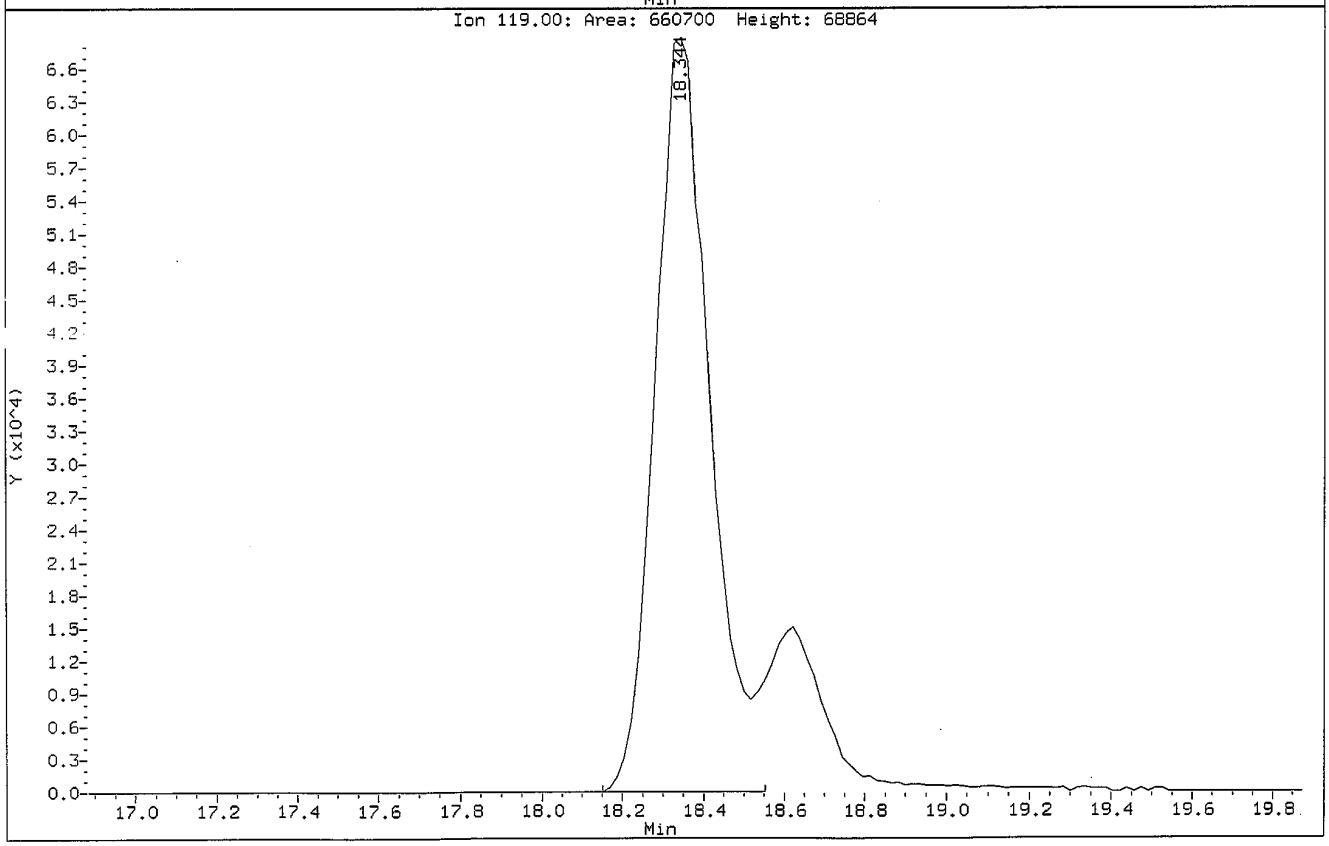


Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4171.D
Injection Date: 27-NOV-2006 20:45
Instrument: MSG.i
Client Sample ID:

Compound: Chlorobenzene-d5
CAS Number: 3114-55-4



1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other



Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4172.D
Report Date: 28-Nov-2006 10:29

STL St. Louis

GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4172.D
Lab Smp Id: VSTD020
Inj Date : 27-NOV-2006 21:21
Operator : SS Inst ID: MSG.i
Smp Info : VSTD020;G061127C.b
Misc Info : VBLKG331C.B;
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Meth Date : 28-Nov-2006 10:17 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 21:21 Cal File: GCAL4172.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CCAL.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.489	2.489	(0.248)	395625	20.0000	20.51(M)
2 Freon-114	135	2.611	2.611	(0.260)	233976	20.0000	29.45
3 Chloromethane	50	2.802	2.802	(0.279)	331727	20.0000	19.57
4 Vinyl Chloride	62	2.906	2.906	(0.289)	265566	20.0000	20.39
5 Bromomethane	94	3.445	3.445	(0.343)	311307	20.0000	19.67
6 Chloroethane	64	3.550	3.550	(0.353)	194389	20.0000	20.49
7 Trichlorofluoromethane	101	3.880	3.880	(0.386)	525491	20.0000	19.30
8 Diethyl ether	59	4.262	4.262	(0.424)	304655	40.0000	41.50
9 1,1,2-Trichlorofluoroethane	101	4.436	4.436	(0.441)	577782	20.0000	19.97
11 Acetone	43	4.558	4.558	(0.453)	55541	20.0000	18.50
12 1,1-Dichloroethene	96	4.697	4.697	(0.467)	273840	20.0000	19.32
13 Acetonitrile	41	4.923	4.923	(0.490)	56806	100.000	85.89(a)
14 Iodomethane	142	5.149	5.149	(0.512)	344032	20.0000	21.24
15 Methyl acetate	74	5.184	5.184	(0.516)	33925	20.0000	18.37
16 Allyl chloride	39	5.219	5.219	(0.519)	230308	20.0000	19.23
17 Methylene Chloride	84	5.393	5.393	(0.536)	534360	20.0000	20.12
18 Carbon Disulfide	76	5.427	5.427	(0.540)	876291	20.0000	19.50
19 Acrylonitrile	53	5.584	5.584	(0.555)	176432	100.000	93.15(a)
20 MTBE	73	5.636	5.636	(0.561)	621866	20.0000	19.93
21 trans-1,2-Dichloroethene	96	5.845	5.845	(0.581)	332469	20.0000	21.24
22 n-Hexane	57	5.966	5.966	(0.594)	446729	20.0000	20.16
24 Vinyl acetate	43	6.558	6.558	(0.652)	487904	20.0000	19.81

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4172.D
Report Date: 28-Nov-2006 10:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	24 1,1-Dichloroethane	63	6.540	6.540	(0.651)	631446	20.0000	20.10
	25 2-Chloro-1,3-butadiene	53	6.697	6.697	(0.666)	446032	20.0000	20.22
	27 2-Butanone	43	7.323	7.323	(0.728)	78117	20.0000	17.98
	28 Propionitrile	54	7.462	7.462	(0.742)	77000	100.000	93.49(a)
	29 2,2-Dichloropropane	77	7.531	7.531	(0.749)	524947	20.0000	19.79
	31 Ethyl acetate	43	7.618	7.618	(0.758)	468546	40.0000	37.74
	30 cis-1,2-Dichloroethene	96	7.636	7.636	(0.760)	355961	20.0000	20.62
	32 Methacrylonitrile	41	7.792	7.792	(0.775)	671597	100.000	97.23(a)
	33 Chloroform	83	7.931	7.931	(0.789)	673462	20.0000	20.50
M	38 1,2-Dichloroethene (total)	96				688430	40.0000	41.86
	34 Bromochloromethane	128	8.244	8.244	(0.820)	201203	20.0000	19.23
	37 Tetrahydrofuran	71	8.331	8.331	(0.829)	108496	100.000	97.31
$	36 Dibromofluoromethane	113	8.348	8.348	(0.830)	539507	20.0000	20.74
	39 1,1,1-Trichloroethane	97	8.714	8.714	(0.867)	546226	20.0000	20.47
	35 Isobutanol	42	8.714	8.714	(0.867)	122870	400.000	408.5
	40 Cyclohexane	84	8.731	8.731	(0.869)	385891	20.0000	20.55
	41 1,1-Dichloropropene	75	9.027	9.027	(0.898)	557828	20.0000	20.14
	42 Carbon Tetrachloride	117	9.235	9.235	(0.919)	461059	20.0000	20.70
	45 n-Butanol	56	9.340	9.340	(0.929)	56433	200.000	155.1(a)
$	43 1,2-Dichloroethane-d4	67	9.357	9.357	(0.931)	175057	20.0000	20.45
	46 1,2-Dichloroethane	62	9.566	9.566	(0.952)	371557	20.0000	20.03
	47 Benzene	78	9.583	9.583	(0.953)	1014130	20.0000	20.14
*	48 Fluorobenzene	96	10.052	10.052	(1.000)	3024468	50.0000	
	49 Trichloroethene	130	10.957	10.957	(1.090)	422442	20.0000	20.22
	50 Methylcyclohexane	55	11.096	11.096	(1.104)	511536	20.0000	20.19
	51 1,2-Dichloropropane	63	11.374	11.374	(1.131)	423721	20.0000	19.60
	52 Methyl methacrylate	69	11.600	11.600	(1.154)	195090	20.0000	18.87
	53 Bromodichloromethane	83	11.948	11.948	(1.189)	684577	20.0000	19.79
	55 1,4-Dioxane	88	12.035	12.035	(1.197)	61800	400.000	370.4(a)
	54 Dibromomethane	93	12.052	12.052	(1.199)	370829	20.0000	20.17
	56 2-Nitropropane	43	12.156	12.156	(1.209)	133491	20.0000	18.73
	57 2-chloroethyl vinyl ether	63	12.782	12.782	(1.272)	179736	20.0000	18.79
	58 4-Methyl-2-pentanone	43	12.852	12.852	(1.278)	404977	20.0000	18.13
	59 cis-1,3-Dichloropropene	75	13.356	13.356	(1.329)	586957	20.0000	19.54
$	61 Toluene-d8	98	13.982	13.982	(0.762)	1123437	20.0000	21.01
	62 Toluene	91	14.208	14.208	(0.774)	1279341	20.0000	20.90
	63 trans-1,3-Dichloropropene	75	14.747	14.747	(0.804)	441739	20.0000	20.15
	64 Ethyl methacrylate	69	14.817	14.817	(0.808)	432414	20.0000	19.59
	65 1,1,2-Trichloroethane	97	15.147	15.147	(0.826)	338530	20.0000	20.37
	66 2-Hexanone	43	15.286	15.286	(0.833)	190913	20.0000	17.81
	67 1,3-Dichloropropane	76	15.895	15.895	(0.866)	563478	20.0000	20.33
	68 Tetrachloroethene	164	15.999	15.999	(0.872)	429974	20.0000	20.93
	69 Chlorodibromomethane	129	16.555	16.555	(0.902)	470953	20.0000	20.24
	70 1,2-Dibromoethane	107	17.164	17.164	(0.936)	491040	20.0000	20.43
*	71 Chlorobenzene-d5	117	18.346	18.346	(1.000)	2199748	50.0000	(M)
	72 Chlorobenzene	112	18.451	18.451	(1.006)	869230	20.0000	19.53
	73 1,1,1,2-Tetrachloroethane	131	18.624	18.624	(1.015)	365441	20.0000	20.15
	74 Ethylbenzene	106	18.677	18.677	(1.018)	407954	20.0000	20.35
	75 m,p-Xylenes	106	18.955	18.955	(1.033)	1106467	40.0000	41.25
	76 o-Xylene	106	20.311	20.311	(1.107)	504075	20.0000	19.98
	77 Styrene	104	20.433	20.433	(1.114)	855379	20.0000	20.61
M	78 Xylenes (total)	106				1610542	60.0000	61.23
	79 Bromoform	173	21.389	21.389	(1.166)	273757	20.0000	18.16
	80 Isopropylbenzene	105	21.528	21.528	(1.173)	1360920	20.0000	21.14

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4172.D
Report Date: 28-Nov-2006 10:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
81 Cyclohexanone	55	21.650	21.650	(1.180)	161337	200.000	207.4
82 1,1,2,2-Tetrachloroethane	83	22.085	22.085	(1.204)	543287	20.0000	19.56
$ 83 4-Bromofluorobenzene	95	22.293	22.293	(0.899)	755842	20.0000	20.86
84 1,2,3-Trichloropropane	110	22.537	22.537	(0.909)	121843	20.0000	19.73
85 Bromobenzene	156	22.763	22.763	(0.918)	392709	20.0000	20.36
86 n-Propylbenzene	91	22.780	22.780	(0.919)	1897503	20.0000	20.56
88 trans-1,4-dichloro-2-butene	53	22.815	22.815	(0.920)	88951	20.0000	19.17
87 2-Chlorotoluene	91	23.145	23.145	(0.933)	1223078	20.0000	21.66
89 1,3,5-Trimethylbenzene	105	23.197	23.197	(0.935)	1109638	20.0000	21.07
90 4-Chlorotoluene	91	23.267	23.267	(0.938)	1445380	20.0000	19.83
91 t-Butylbenzene	119	23.945	23.945	(0.966)	1307258	20.0000	21.23
92 Pentachloroethane	167	23.997	23.997	(0.968)	139054	20.0000	19.36
93 1,2,4-Trimethylbenzene	105	24.015	24.015	(0.968)	1039750	20.0000	21.33
94 sec-Butylbenzene	105	24.327	24.327	(0.981)	1753830	20.0000	20.72
95 4-Isopropyltoluene	119	24.588	24.588	(0.992)	1182658	20.0000	21.08
96 1,3-Dichlorobenzene	146	24.675	24.675	(0.995)	671871	20.0000	19.96
* 97 1,4 Dichlorobenzene-d4	152	24.797	24.797	(1.000)	1103832	50.0000	
98 1,4-Dichlorobenzene	146	24.849	24.849	(1.002)	742359	20.0000	19.49
99 n-Butylbenzene	91	25.214	25.214	(1.017)	1243973	20.0000	21.16
100 1,2-Dichlorobenzene	146	25.388	25.388	(1.024)	665740	20.0000	20.06
147 Nonanal	57	25.840	25.840	(1.042)	123566	20.0000	18.17(A)
101 1,2-Dibromo-3-chloropropane	157	26.414	26.414	(1.065)	101989	20.0000	19.89
103 1,2,4-Trichlorobenzene	180	27.370	27.370	(1.104)	320460	20.0000	20.72
104 Hexachlorobutadiene	225	27.527	27.527	(1.110)	241274	20.0000	23.25
105 Naphthalene	128	27.631	27.631	(1.114)	520611	20.0000	18.96
106 1,2,3-Trichlorobenzene	180	27.892	27.892	(1.125)	290716	20.0000	20.74

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: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4172.D
Report Date: 28-Nov-2006 10:29

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GCAL4172.D
Lab Smp Id: VSTD020
Analysis Type: VOA
Quant Type: ISTD
Operator: SS
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Misc Info: VBLKG331C.B;

Calibration Date: 27-NOV-2006
Calibration Time: 21:57

Level: LOW
Sample Type: WATER

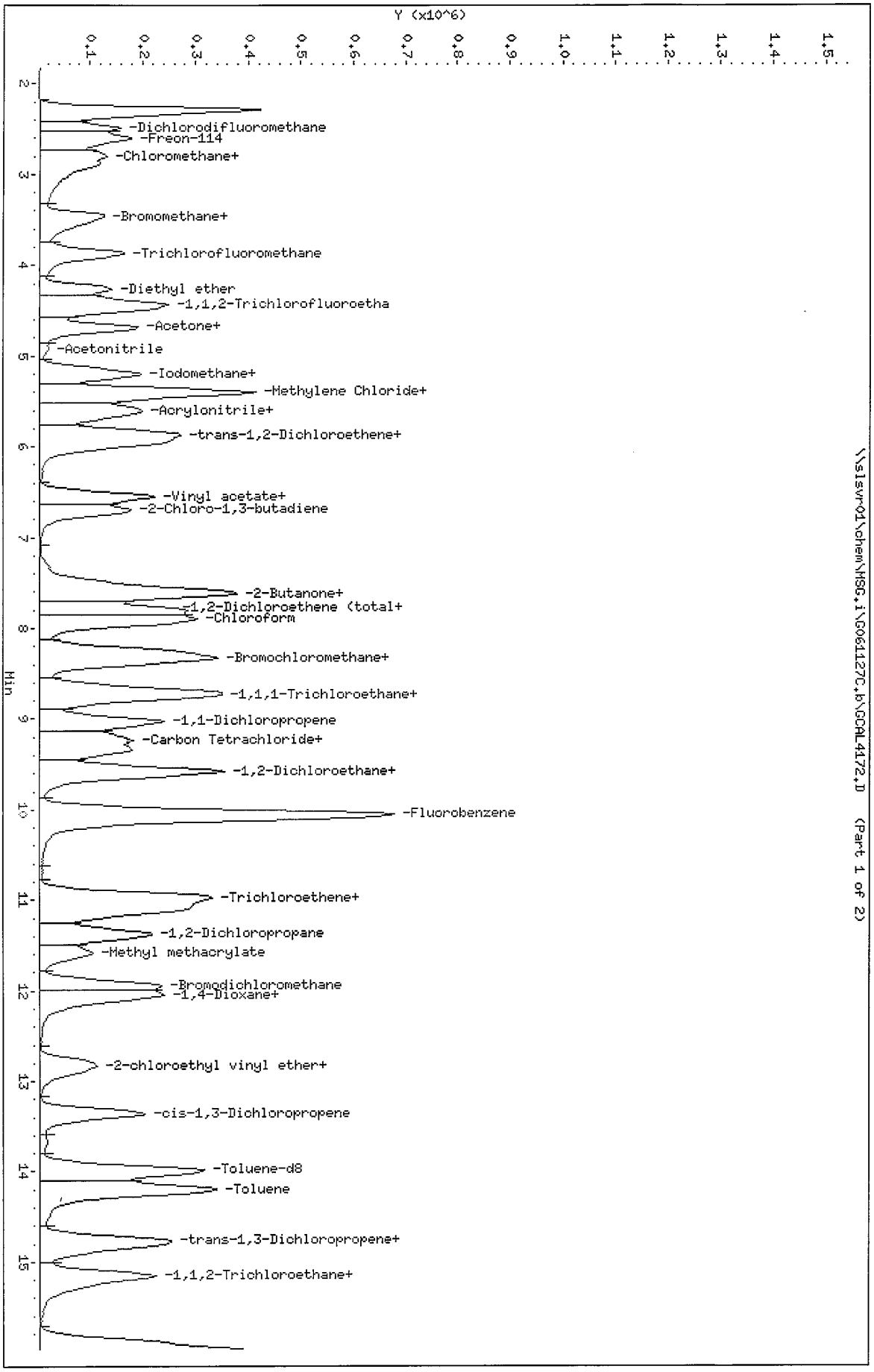
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3088621	1544311	6177242	3024468	-2.08
71 Chlorobenzene-d5	2420626	1210313	4841252	2199748	-9.12
97 1,4 Dichlorobenze	1211198	605599	2422396	1103832	-8.86

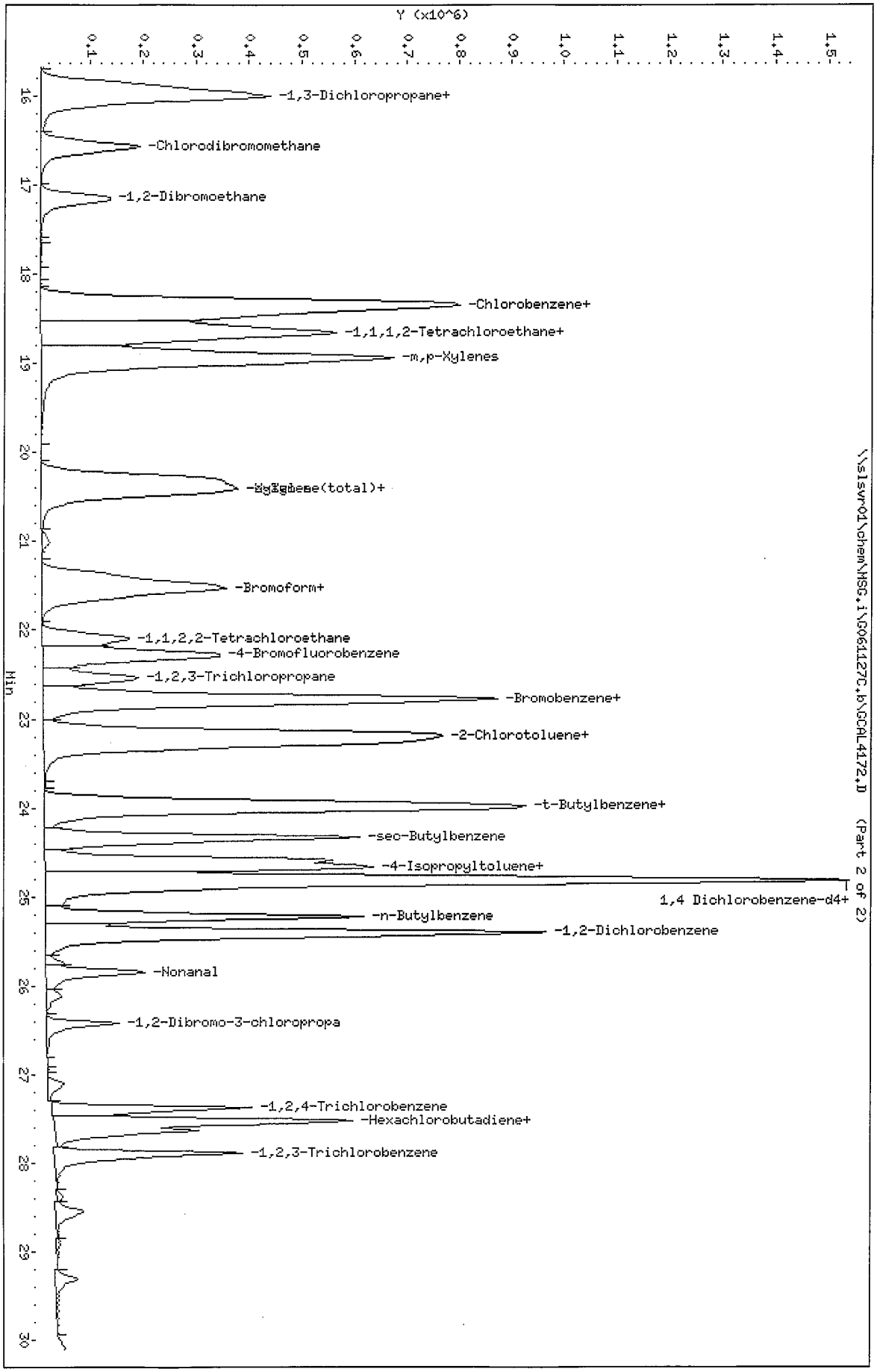
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.07	9.57	10.57	10.05	-0.14
71 Chlorobenzene-d5	18.34	17.84	18.84	18.35	0.02
97 1,4 Dichlorobenze	24.81	24.31	25.31	24.80	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4172.D
Date : 27-NOV-2006 21:21
Client ID:
Sample Info: VSTD020;G061127C.b
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: MSG.i
Operator: SS
Column diameter: 0.53

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Date : 27-NOV-2006 21:21
Client ID:
Sample Info: VSTD020:G064127C.b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG.i
Operator: SS
Column diameter: 0.53
\\slsvr01\chem\MSG.i\G064127C.b\GCAL4172.D (Part 2 of 2)
Y (x10^6)
0.1
0.2
0.3
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0.5
0.6
0.7
0.8
0.9
1.0
1.1
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1.4
1.5
Min
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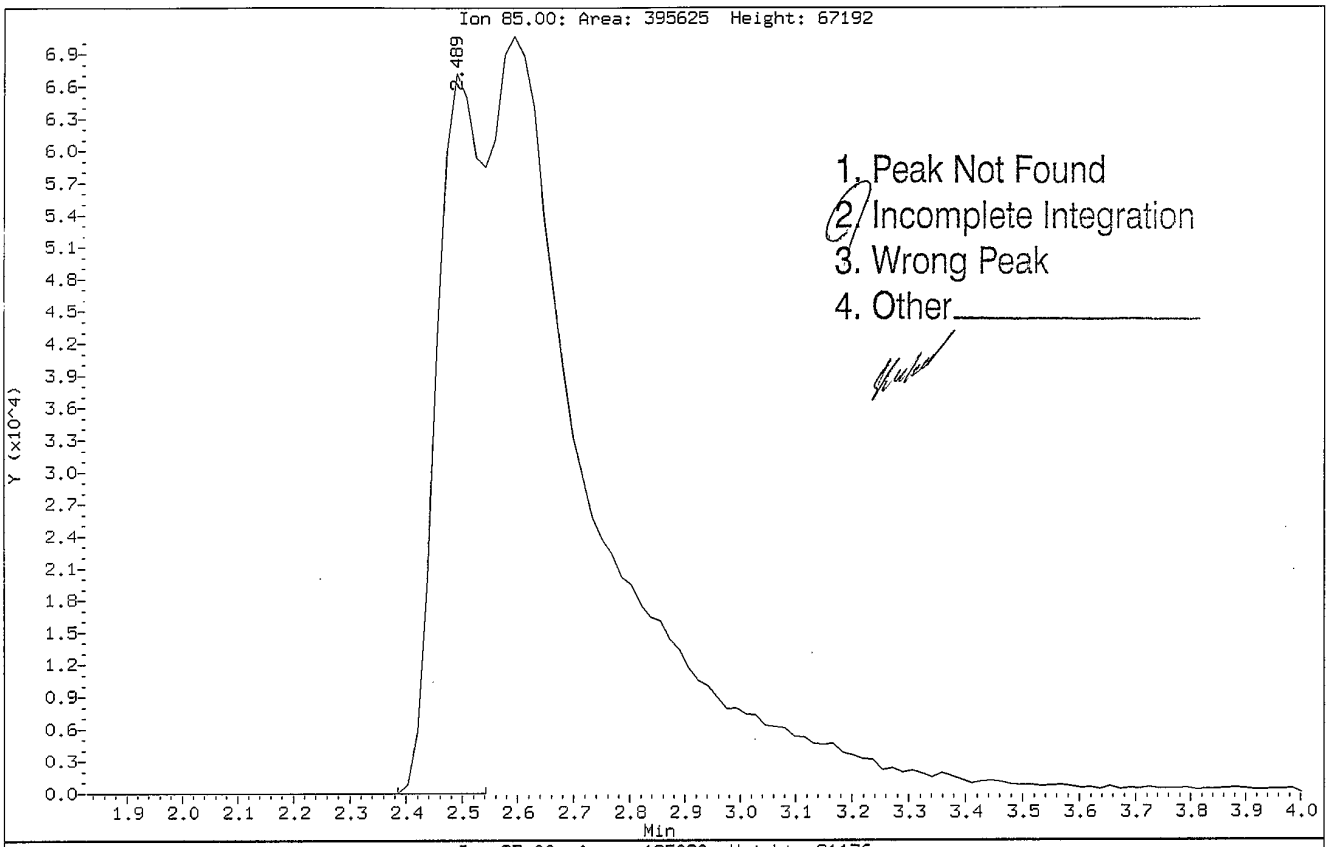
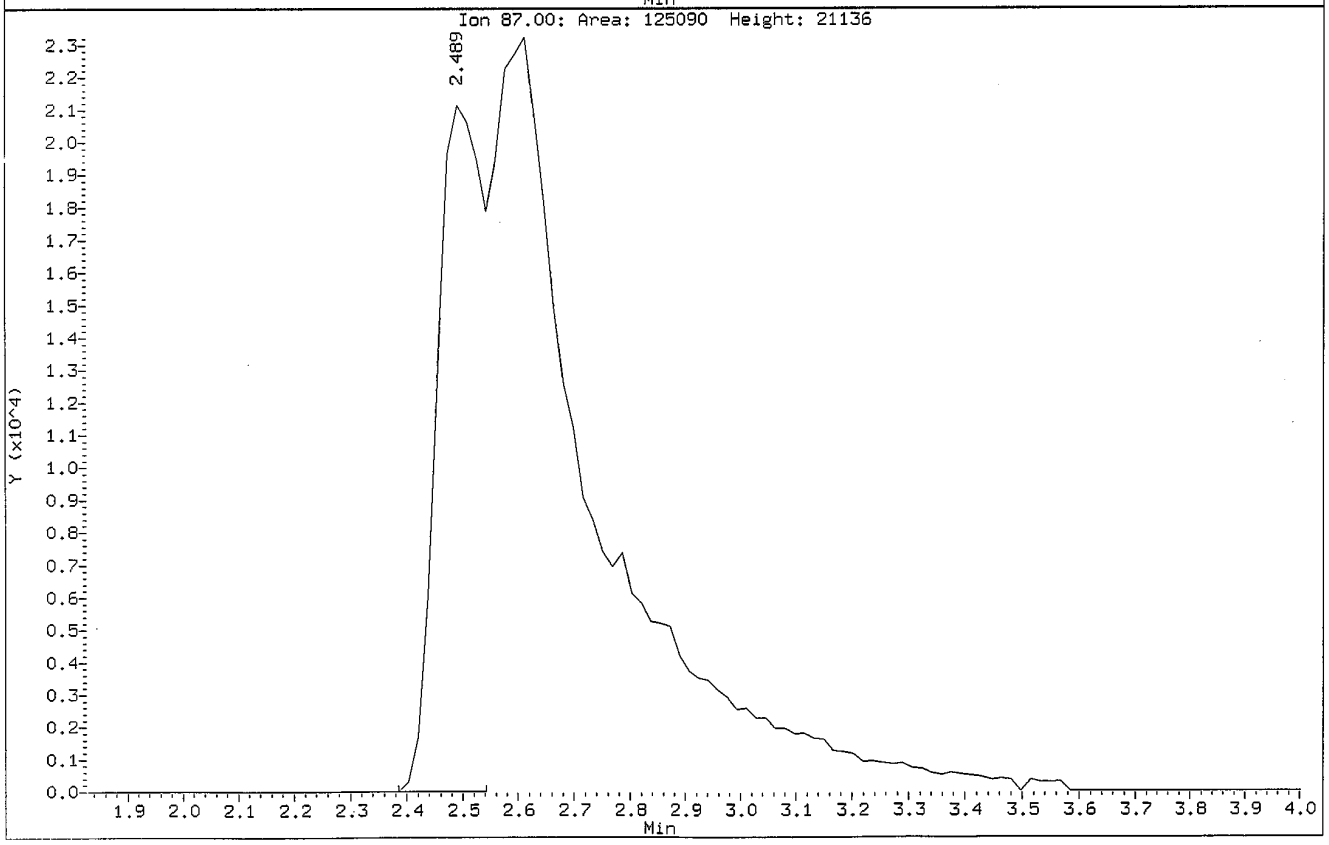
29
30
-1,3-Dichloropropane+
-Chlorodibromomethane
-1,2-Dibromoethane
-Chlorobenzene+
-1,1,1,2-Tetrachloroethane+
-m,p-Xylenes
-Xylene(total)+
-Bromoform+
-1,1,2,2-Tetrachloroethane
-4-Bromofluorobenzene
-1,2,3-Trichloropropane
-Bromobenzene+
-2-Chlorotoluene+
-t-Butylbenzene+
-sec-Butylbenzene
-4-Isopropyltoluene+
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Nonanal
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4172.D
Injection Date: 27-NOV-2006 21:21
Instrument: MSG.i
Client Sample ID:

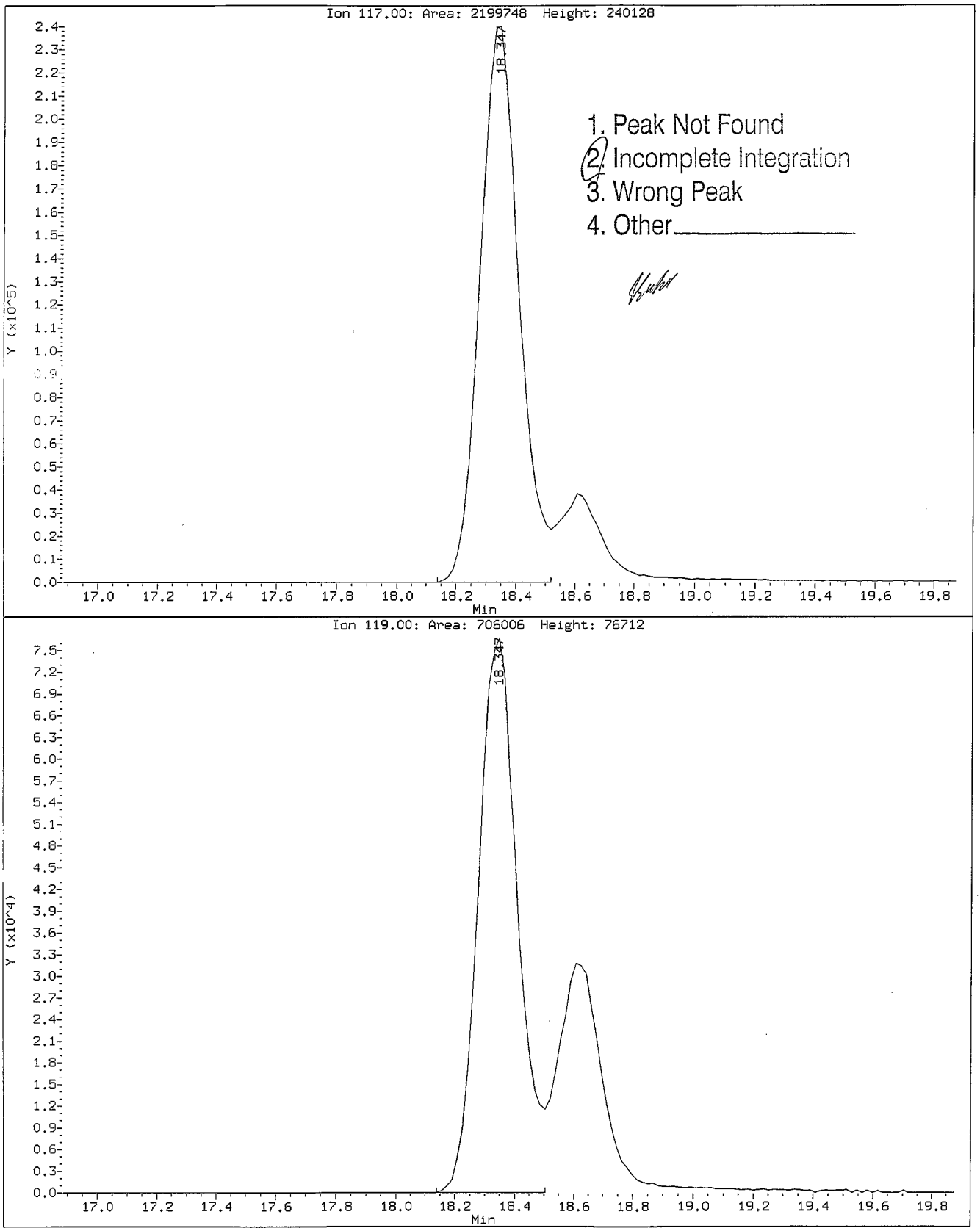
Compound: Dichlorodifluoromethane
CAS Number: 75-71-8





Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4172.D
Injection Date: 27-NOV-2006 21:21
Instrument: MSG.i
Client Sample ID:

Compound: Chlorobenzene-d5
CAS Number: 3114-55-4



1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4173.D
Report Date: 28-Nov-2006 15:42

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSG.i\G061127C.b\GCAL4173.D
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 27-NOV-2006 21:57
Operator : SS Inst ID: MSG.i
Smp Info : VSTD050;G061127C.b
Misc Info : VBLKG331C.B;
Comment : NONE
Method : \\slsvr01\chem\MSG.i\G061127C.b\8260B-URS.m
Meth Date : 28-Nov-2006 15:42 MSG.i Quant Type: ISTD
Cal Date : 27-NOV-2006 21:57 Cal File: GCAL4173.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CCAL.sub
Target Version: 4.14
Processing Host: SLVOA06

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.486	2.486	(0.247)	935083	50.0000	47.47(M)
2 Freon-114	135	2.625	2.625	(0.261)	409943	50.0000	50.53
3 Chloromethane	50	2.799	2.799	(0.278)	819900	50.0000	47.36
4 Vinyl Chloride	62	2.903	2.903	(0.288)	584907	50.0000	43.97
5 Bromomethane	94	3.459	3.459	(0.344)	799685	50.0000	49.48
6 Chloroethane	64	3.546	3.546	(0.352)	476083	50.0000	49.14
7 Trichlorofluoromethane	101	3.859	3.859	(0.383)	1395902	50.0000	50.21
8 Diethyl ether	59	4.259	4.259	(0.423)	772292	100.000	103.0
9 1,1,2-Trichlorofluoroethane	101	4.450	4.450	(0.442)	1498275	50.0000	50.71
11 Acetone	43	4.537	4.537	(0.451)	131421	50.0000	51.94
12 1,1-Dichloroethene	96	4.694	4.694	(0.466)	711474	50.0000	49.14
13 Acetonitrile	41	4.937	4.937	(0.490)	155011	250.000	229.5
14 Iodomethane	142	5.146	5.146	(0.511)	925579	50.0000	55.96
15 Methyl acetate	74	5.181	5.181	(0.515)	96698	50.0000	51.28
16 Allyl chloride	39	5.216	5.216	(0.518)	597902	50.0000	48.89
17 Methylene Chloride	84	5.389	5.389	(0.535)	1095417	50.0000	51.12
18 Carbon Disulfide	76	5.424	5.424	(0.539)	2254801	50.0000	49.14
19 Acrylonitrile	53	5.581	5.581	(0.554)	477644	250.000	247.0
20 MTBE	73	5.633	5.633	(0.560)	1639285	50.0000	51.45
21 trans-1,2-Dichloroethene	96	5.859	5.859	(0.582)	829404	50.0000	51.89
22 n Hexane	57	5.963	5.963	(0.592)	1116282	50.0000	49.34
24 Vinyl acetate	43	6.554	6.554	(0.651)	1296195	50.0000	51.54

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4173.D
Report Date: 28-Nov-2006 15:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	6.537	6.537	(0.649)	1595393	50.0000	49.72
	25 2-Chloro-1,3-butadiene	53	6.711	6.711	(0.667)	1188244	50.0000	52.74
	27 2-Butanone	43	7.319	7.319	(0.727)	235451	50.0000	53.08
	28 Propionitrile	54	7.441	7.441	(0.739)	234929	250.000	242.7
	29 2,2-Dichloropropane	77	7.563	7.563	(0.751)	1347521	50.0000	49.75
	31 Ethyl acetate	43	7.615	7.615	(0.756)	1261596	100.000	99.51
	30 cis-1,2-Dichloroethene	96	7.632	7.632	(0.758)	897497	50.0000	50.92
	32 Methacrylonitrile	41	7.806	7.806	(0.775)	1902663	250.000	269.7
	33 Chloroform	83	7.928	7.928	(0.788)	1734663	50.0000	51.70
	34 Bromochloromethane	128	8.241	8.241	(0.819)	535360	50.0000	50.11
	37 Tetrahydrofuran	71	8.345	8.345	(0.829)	292489	250.000	256.9
$	36 Dibromofluoromethane	113	8.345	8.345	(0.829)	1413561	50.0000	53.21
	39 1,1,1-Trichloroethane	97	8.710	8.710	(0.865)	1418142	50.0000	52.04
	35 Isobutanol	42	8.745	8.745	(0.869)	299567	1000.00	975.2
	40 Cyclohexane	84	8.745	8.745	(0.869)	1000941	50.0000	52.21
	41 1,1-Dichloropropene	75	9.023	9.023	(0.896)	1448938	50.0000	51.23
	42 Carbon Tetrachloride	117	9.232	9.232	(0.917)	1210634	50.0000	53.24
	45 n-Butanol	56	9.336	9.336	(0.927)	182273	500.000	498.1
$	43 1,2-Dichloroethane-d4	67	9.371	9.371	(0.931)	454698	50.0000	52.01
	46 1,2-Dichloroethane	62	9.562	9.562	(0.950)	954188	50.0000	50.38
	47 Benzene	78	9.597	9.597	(0.953)	2629939	50.0000	51.14
*	48 Fluorobenzene	96	10.067	10.067	(1.000)	3088621	50.0000	
	49 Trichloroethene	130	10.971	10.971	(1.090)	1124561	50.0000	52.71
	50 Methylcyclohexane	55	11.110	11.110	(1.104)	1285005	50.0000	49.66
	51 1,2-Dichloropropane	63	11.388	11.388	(1.131)	1089104	50.0000	49.35
	52 Methyl methacrylate	69	11.597	11.597	(1.152)	531486	50.0000	50.35
	53 Bromodichloromethane	83	11.944	11.944	(1.187)	1843405	50.0000	52.20
	55 1,4-Dioxane	88	12.049	12.049	(1.197)	179958	1000.00	1056
	54 Dibromomethane	93	12.066	12.066	(1.199)	964737	50.0000	51.38
	56 2-Nitropropane	43	12.136	12.136	(1.206)	375319	50.0000	45.55
	57 2-chloroethyl vinyl ether	63	12.796	12.796	(1.271)	499994	50.0000	51.19
	58 4-Methyl-2-pentanone	43	12.866	12.866	(1.278)	1184689	50.0000	51.94
	59 cis-1,3-Dichloropropene	75	13.370	13.370	(1.328)	1561620	50.0000	50.90
$	61 Toluene-d8	98	13.996	13.996	(0.763)	2868794	50.0000	48.76
	62 Toluene	91	14.205	14.205	(0.774)	3241299	50.0000	48.13
	63 trans-1,3-Dichloropropene	75	14.744	14.744	(0.804)	1190773	50.0000	49.35
	64 Ethyl methacrylate	69	14.813	14.813	(0.808)	1205850	50.0000	49.65
	65 1,1,2-Trichloroethane	97	15.161	15.161	(0.827)	914252	50.0000	50.00
	66 2-Hexanone	43	15.300	15.300	(0.834)	576968	50.0000	48.41
	[illegible] 1,3-Dichloropropane	76	15.891	15.891	(0.866)	1492584	50.0000	48.93
	68 Tetrachloroethene	164	16.013	16.013	(0.873)	1169777	50.0000	51.75
	69 Chlorodibromomethane	129	16.587	16.587	(0.904)	1364683	50.0000	53.30
	70 1,2-Dibromoethane	107	17.161	17.161	(0.936)	1352293	50.0000	51.14
*	71 Chlorobenzene-d5	117	18.343	18.343	(1.000)	2420626	50.0000	
	72 Chlorobenzene	112	18.465	18.465	(1.007)	2381360	50.0000	48.63(A)
	73 1,1,1,2-Tetrachloroethane	131	18.621	18.621	(1.015)	1029888	50.0000	51.62
	74 Ethylbenzene	106	18.708	18.708	(1.020)	1088182	50.0000	49.33
	75 m,p-Xylenes	106	18.952	18.952	(1.033)	2930432	100.000	99.28
	76 o-Xylene	106	20.325	20.325	(1.108)	1368713	50.0000	49.29
	77 Styrene	104	20.447	20.447	(1.115)	2436779	50.0000	53.36
	79 Bromoform	173	21.403	21.403	(1.167)	878812	50.0000	46.01
	80 Isopropylbenzene	105	21.525	21.525	(1.173)	3637697	50.0000	51.36
	81 Cyclohexanone	55	21.647	21.647	(1.180)	417936	500.000	488.1
	82 1,1,2,2-Tetrachloroethane	83	22.099	22.099	(1.205)	1628992	50.0000	53.29

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4173.D
Report Date: 28-Nov-2006 15:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 83 4-Bromofluorobenzene	95	22.290	22.290	(0.898)	2045658	50.0000	51.46
84 1,2,3-Trichloropropane	110	22.551	22.551	(0.909)	364163	50.0000	53.73
85 Bromobenzene	156	22.777	22.777	(0.918)	1129289	50.0000	53.36
86 n-Propylbenzene	91	22.794	22.794	(0.919)	5252125	50.0000	51.86
88 trans-1,4-dichloro-2-butene	53	22.812	22.812	(0.919)	276684	50.0000	54.35
87 2-Chlorotoluene	91	23.159	23.159	(0.933)	3095840	50.0000	49.96
89 1,3,5-Trimethylbenzene	105	23.212	23.212	(0.936)	2905800	50.0000	50.28
90 4-Chlorotoluene	91	23.281	23.281	(0.938)	4028889	50.0000	50.37
91 t-Butylbenzene	119	23.959	23.959	(0.966)	3581495	50.0000	53.00
92 Pentachloroethane	167	23.994	23.994	(0.967)	405371	50.0000	48.74
93 1,2,4-Trimethylbenzene	105	24.011	24.011	(0.968)	2590628	50.0000	48.43
94 sec-Butylbenzene	105	24.342	24.342	(0.981)	4913008	50.0000	52.90
95 4-Isopropyltoluene	119	24.585	24.585	(0.991)	3134339	50.0000	50.90
96 1,3-Dichlorobenzene	146	24.672	24.672	(0.994)	1845088	50.0000	49.95
* 97 1,4 Dichlorobenzene-d4	152	24.811	24.811	(1.000)	1211198	50.0000	
98 1,4-Dichlorobenzene	146	24.863	24.863	(1.002)	2080483	50.0000	49.77
99 n-Butylbenzene	91	25.228	25.228	(1.017)	2992667	50.0000	46.38
100 1,2-Dichlorobenzene	146	25.402	25.402	(1.024)	1816982	50.0000	49.90
147 Nonanal	57	25.837	25.837	(1.041)	326094	50.0000	44.98(A)
101 1,2-Dibromo-3-chloropropane	157	26.428	26.428	(1.065)	313950	50.0000	55.79
103 1,2,4-Trichlorobenzene	180	27.384	27.384	(1.104)	835151	50.0000	49.22
104 Hexachlorobutadiene	225	27.541	27.541	(1.110)	648580	50.0000	56.95
105 Naphthalene	128	27.645	27.645	(1.114)	1350679	50.0000	44.82
106 1,2,3-Trichlorobenzene	180	27.889	27.889	(1.124)	777573	50.0000	50.55

QC Flag Legend

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

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4173.D
Report Date: 28-Nov-2006 15:42

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

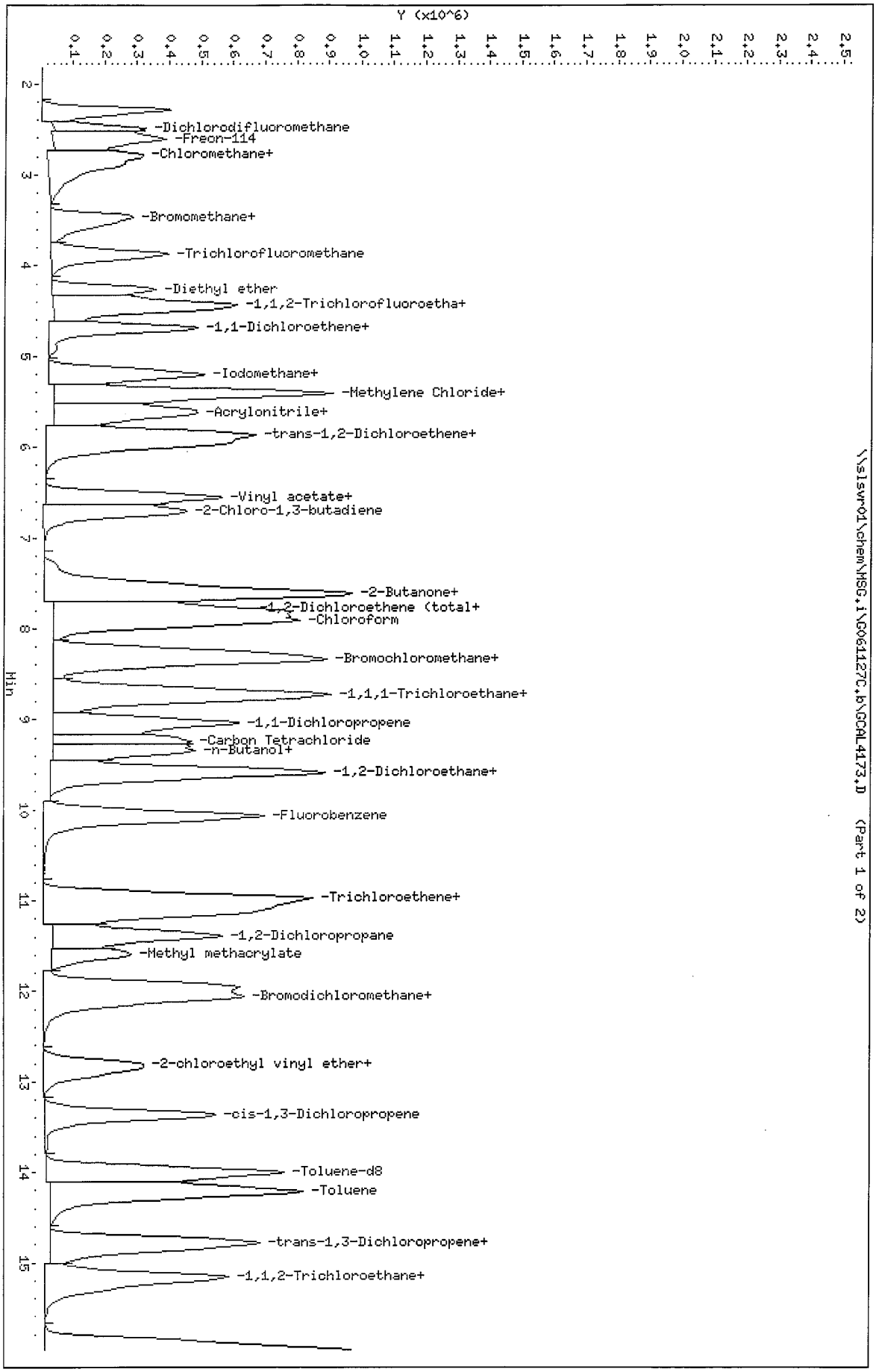
Instrument ID: MSG.i
Lab File ID: GCAL4173.D
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: SS
Method File: \\slsvr01\chem\MSG.i\G061127C.b\8260B-URS.m
Misc Info: VBLKG331C.B;

Calibration Date: 27-NOV-2006
Calibration Time: 21:57
Client Smp ID: VSTD050
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3088621	1544311	6177242	3088621	0.00
71 Chlorobenzene-d5	2420626	1210313	4841252	2420626	0.00
97 1,4 Dichlorobenze	1211198	605599	2422396	1211198	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.07	9.57	10.57	10.07	0.00
71 Chlorobenzene-d5	18.34	17.84	18.84	18.34	0.00
97 1,4 Dichlorobenze	24.81	24.31	25.31	24.81	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.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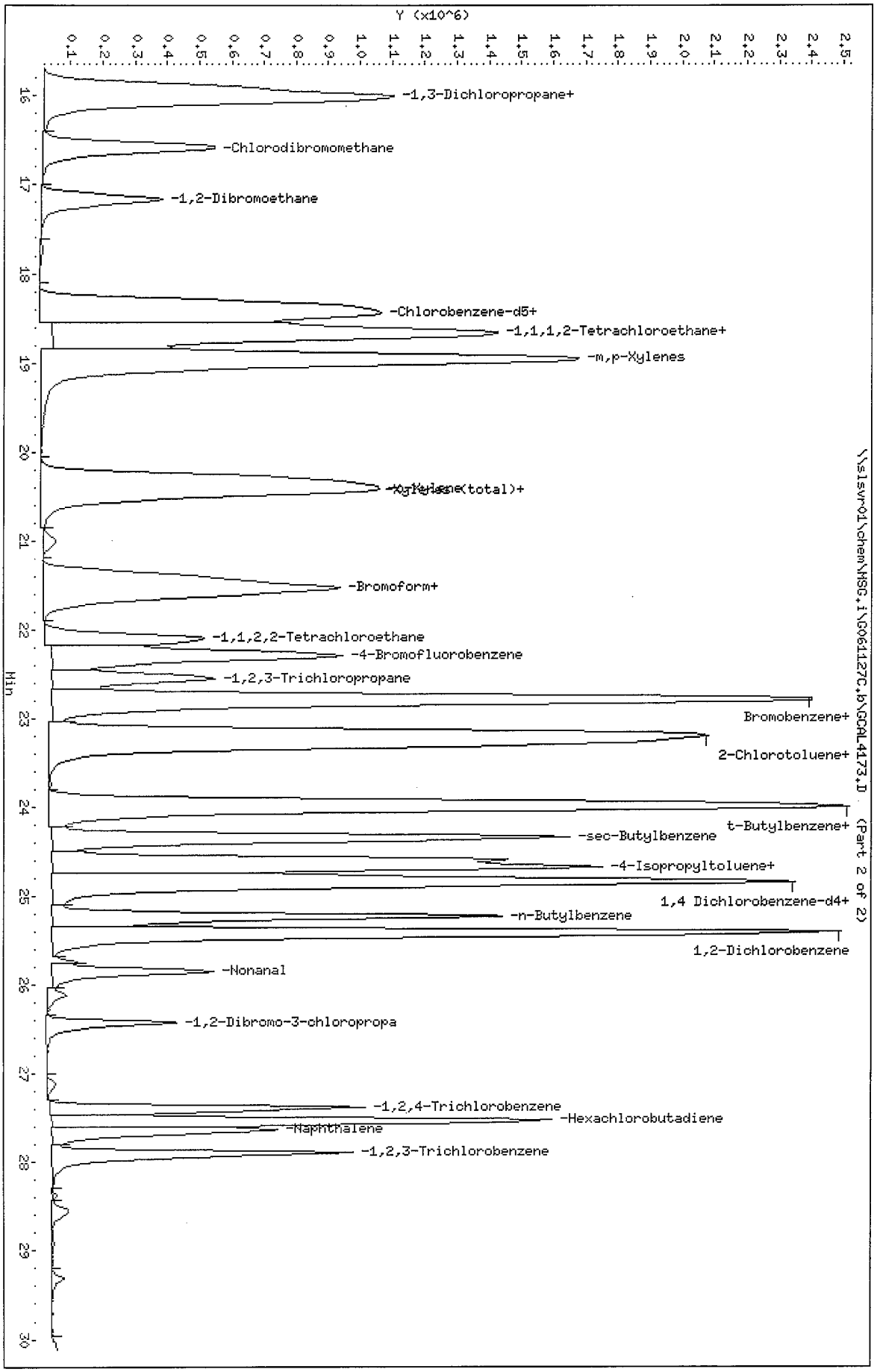
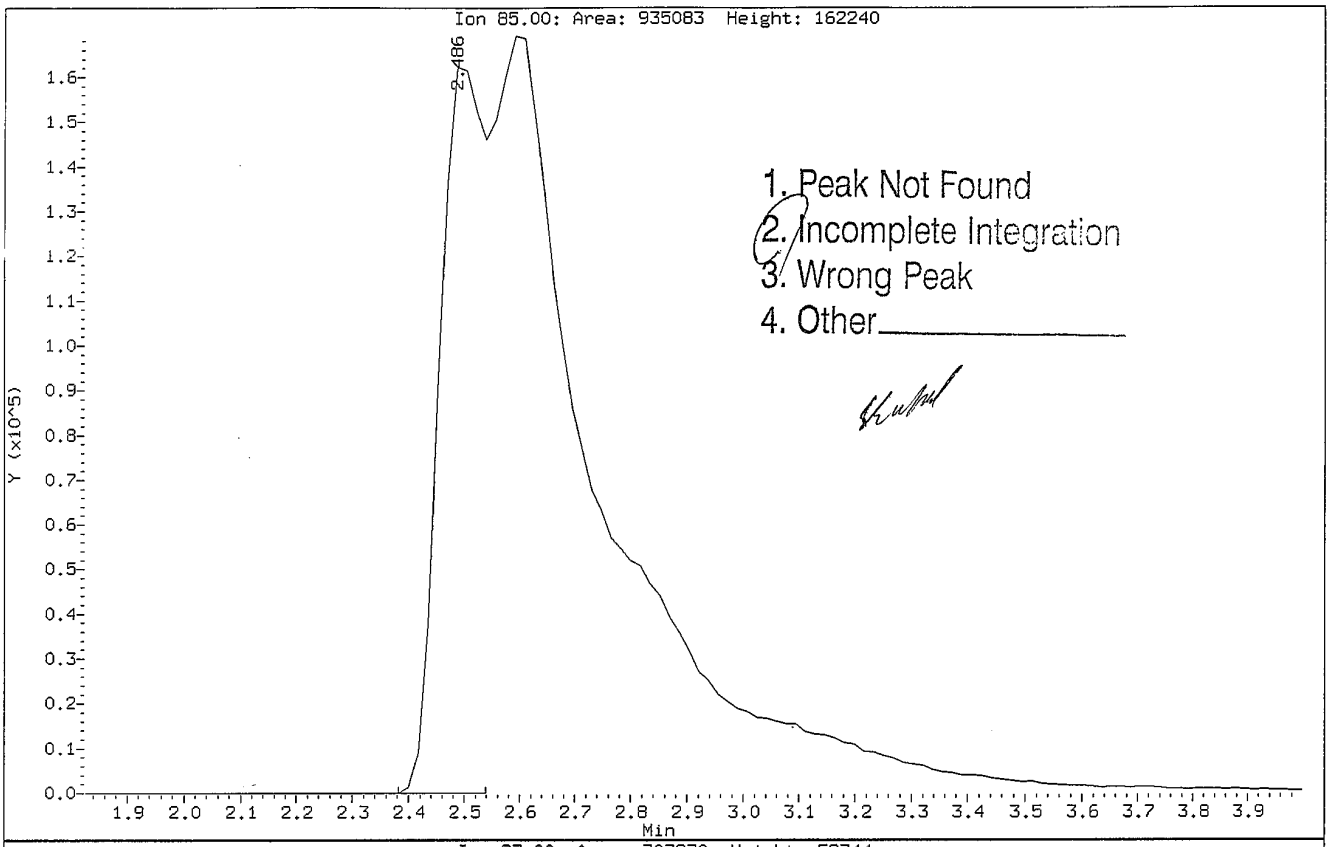
Date : 27-NOV-2006 21:57
Client ID: VSTD050
Sample Info: VSTD050;G061127C.b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG.i
Operator: SS
Column diameter: 0.53
\\slsvr01\chem\MSG.i\G061127C.b\GCAL4173.D (Part 1 of 2)
Y (x10^6)
Min
-Dichlorodifluoromethane
-Freon-114
-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Diethyl ether
-1,1,2-Trichlorofluoroetha+
-1,1-Dichloroethene+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-trans-1,2-Dichloroethene+
-Vinyl acetate+
-2-Chloro-1,3-butadiene
-2-Butanone+
-1,2-Dichloroethene (total+
-Chloroform
-Bromochloromethane+
-1,1,1-Trichloroethane+
-1,1-Dichloropropene
-Carbon Tetrachloride
-n-Butanol+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene+
-1,2-Dichloropropane
-Methyl methacrylate
-Bromodichloromethane+
-2-chloroethyl vinyl ether+
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane+

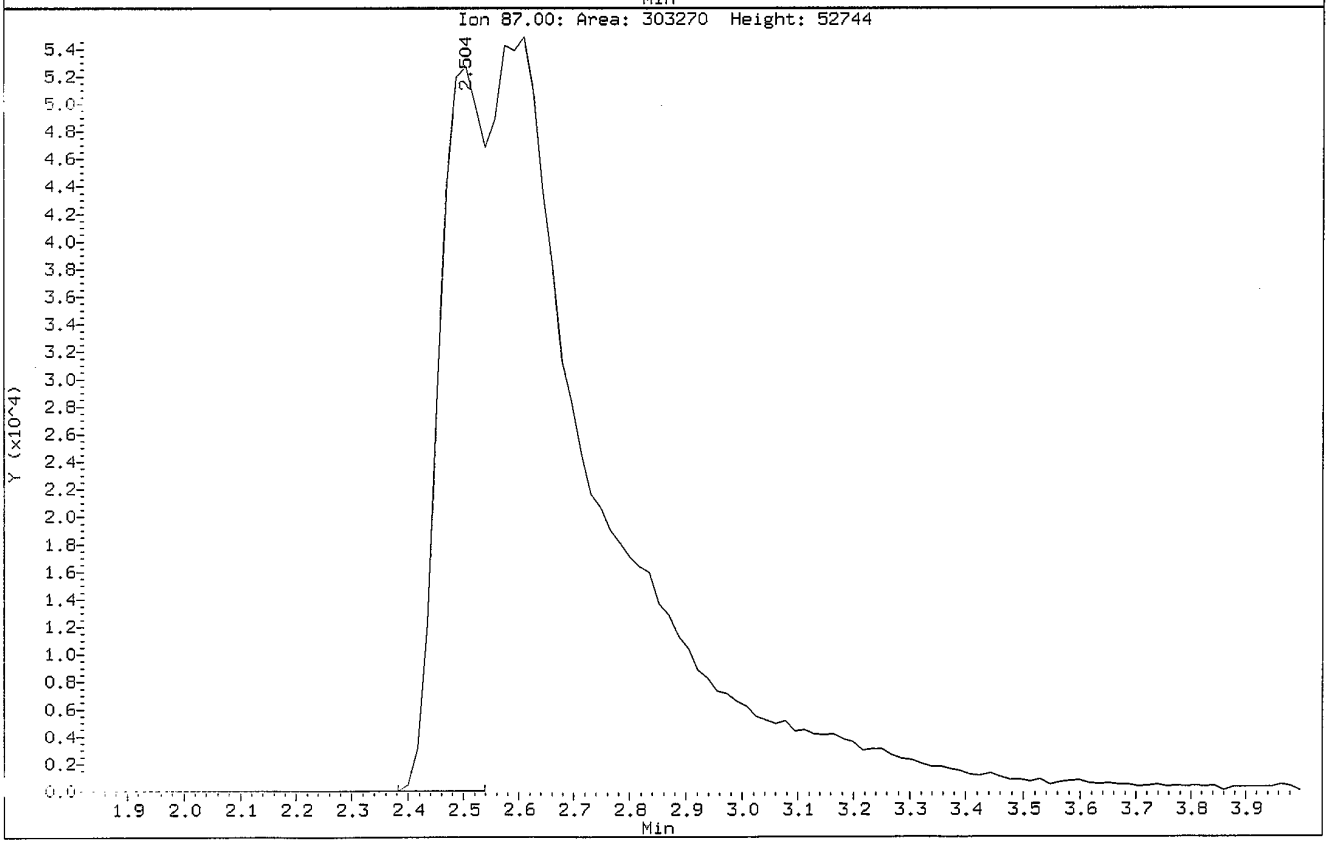

Data File: \\slsvr01\chem\MSG.i\G064127C.b\GCAL4173.D
Date : 27-NOV-2006 21:57
Client ID: VSTD050
Sample Info: VSTD050;G064127C.b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG.i
Operator: SS
Column diameter: 0.53
\\slsvr01\chem\MSG.i\G064127C.b\GCAL4173.D (Part 2 of 2)
Y (x10^6)
Min
-1,3-Dichloropropane+
-Chlorodibromomethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m,p-Xylenes
-Xylenes(total)+
-Bromoform+
-1,1,2,2-Tetrachloroethane
-4-Bromofluorobenzene
-1,2,3-Trichloropropane
Bromobenzene+
2-Chlorotoluene+
t-Butylbenzene+
-sec-Butylbenzene
-4-Isopropyltoluene+
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
1,2-Dichlorobenzene
-Nonanal
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4173.D
Injection Date: 27-NOV-2006 21:57
Instrument: MSG.i
Client Sample ID: VSTD050

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4174.D
Report Date: 28-Nov-2006 10:29

STL St. Louis

GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4174.D
Lab Smp Id: VSTD100
Inj Date : 27-NOV-2006 22:34
Operator : SS Inst ID: MSG.i
Smp Info : VSTD100;G061127C.b
Misc Info : VBLKG331C.B;
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Meth Date : 28-Nov-2006 10:17 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 22:34 Cal File: GCAL4174.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CCAL.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.490	2.490	(0.248)	1754890	100.000	94.11(M)
2 Freon-114	135	2.629	2.629	(0.262)	397044	100.000	51.70
3 Chloromethane	50	2.803	2.803	(0.279)	1559008	100.000	95.13
4 Vinyl Chloride	62	2.890	2.890	(0.288)	982297	100.000	78.02
5 Bromomethane	94	3.447	3.447	(0.343)	1506943	100.000	98.50
6 Chloroethane	64	3.568	3.568	(0.355)	913183	100.000	99.58
7 Trichlorofluoromethane	101	3.864	3.864	(0.384)	2784675	100.000	105.8
8 Diethyl ether	59	4.264	4.264	(0.424)	1332082	200.000	187.7
9 1,1,2-Trichlorofluoroethane	101	4.438	4.438	(0.441)	2696265	100.000	96.40
11 Acetone	43	4.542	4.542	(0.452)	230475	100.000	102.1
12 1,1-Dichloroethene	96	4.699	4.699	(0.467)	1397772	100.000	102.0
13 Acetonitrile	41	4.925	4.925	(0.490)	302408	500.000	473.0
14 Iodomethane	142	5.133	5.133	(0.511)	1553823	100.000	99.26
15 Methyl acetate	74	5.185	5.185	(0.516)	160371	100.000	89.84
16 Allyl chloride	39	5.220	5.220	(0.519)	1142804	100.000	98.72
17 Methylene Chloride	84	5.394	5.394	(0.537)	1892161	100.000	102.1
18 Carbon Disulfide	76	5.429	5.429	(0.540)	4293960	100.000	98.86
19 Acrylonitrile	53	5.603	5.603	(0.557)	967784	500.000	528.6
20 MTBE	73	5.655	5.655	(0.562)	3052390	100.000	101.2
21 trans-1,2-Dichloroethene	96	5.846	5.846	(0.582)	1408415	100.000	93.10
22 n-Hexane	57	5.968	5.968	(0.594)	2051999	100.000	95.82
24 Vinyl acetate	43	6.559	6.559	(0.652)	2413439	100.000	101.4

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4174.D
Report Date: 28-Nov-2006 10:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	6.559	6.559	(0.652)	2827715	100.000	93.11
	25 2-Chloro-1,3-butadiene	53	6.716	6.716	(0.668)	2192600	100.000	102.8
	27 2-Butanone	43	7.324	7.324	(0.728)	443942	100.000	105.7
	28 Propionitrile	54	7.446	7.446	(0.741)	468884	500.000	491.3
	29 2,2-Dichloropropane	77	7.550	7.550	(0.751)	2518608	100.000	98.24
	31 Ethyl acetate	43	7.620	7.620	(0.758)	2363105	200.000	196.9
	30 cis-1,2-Dichloroethene	96	7.637	7.637	(0.760)	1548357	100.000	92.80
	32 Methacrylonitrile	41	7.794	7.794	(0.775)	3671111	500.000	549.8
	33 Chloroform	83	7.915	7.915	(0.787)	3058679	100.000	96.30
M	38 1,2-Dichloroethene (total)	96				2956772	200.000	185.9
	34 Bromochloromethane	128	8.246	8.246	(0.820)	1049425	100.000	103.8
	37 Tetrahydrofuran	71	8.333	8.333	(0.829)	518185	500.000	480.8
$	36 Dibromofluoromethane	113	8.350	8.350	(0.831)	2540965	100.000	101.0
	39 1,1,1-Trichloroethane	97	8.715	8.715	(0.867)	2609821	100.000	101.2
	35 Isobutanol	42	8.732	8.732	(0.869)	549214	2000.00	1889
	40 Cyclohexane	84	8.732	8.732	(0.869)	1817777	100.000	100.2
	41 1,1-Dichloropropene	75	9.028	9.028	(0.898)	2736605	100.000	102.2
	42 Carbon Tetrachloride	117	9.219	9.219	(0.917)	2154578	100.000	100.1
	45 n-Butanol	56	9.358	9.358	(0.931)	371019	1000.00	1075
$	43 1,2-Dichloroethane-d4	67	9.358	9.358	(0.931)	811330	100.000	98.04
	46 1,2-Dichloroethane	62	9.567	9.567	(0.952)	1763881	100.000	98.38
	47 Benzene	78	9.602	9.602	(0.955)	4698145	100.000	96.52
*	48 Fluorobenzene	96	10.054	10.054	(1.000)	2923575	50.0000	
	49 Trichloroethene	130	10.975	10.975	(1.092)	1968410	100.000	97.48
	50 Methylcyclohexane	55	11.115	11.115	(1.105)	2286760	100.000	93.36
	51 1,2-Dichloropropane	63	11.393	11.393	(1.133)	2093275	100.000	100.2
	52 Methyl methacrylate	69	11.584	11.584	(1.152)	1062399	100.000	106.3
	53 Bromodichloromethane	83	11.949	11.949	(1.188)	3575675	100.000	107.0
	55 1,4-Dioxane	88	12.036	12.036	(1.197)	354084	2000.00	2195
	54 Dibromomethane	93	12.071	12.071	(1.201)	1762625	100.000	99.17
	56 2-Nitropropane	43	12.158	12.158	(1.209)	813041	100.000	99.82
	57 2-chloroethyl vinyl ether	63	12.801	12.801	(1.273)	1037849	100.000	112.3
	58 4-Methyl-2-pentanone	43	12.853	12.853	(1.278)	2427046	100.000	112.4
	59 cis-1,3-Dichloropropene	75	13.358	13.358	(1.329)	3126583	100.000	107.6
$	61 Toluene-d8	98	14.001	14.001	(0.763)	5624497	100.000	100.6
	62 Toluene	91	14.209	14.209	(0.774)	6065796	100.000	94.83
	63 trans-1,3-Dichloropropene	75	14.749	14.749	(0.804)	2469160	100.000	107.7
	64 Ethyl methacrylate	69	14.818	14.818	(0.808)	2570369	100.000	111.4
	65 1,1,2-Trichloroethane	97	15.148	15.148	(0.826)	1777927	100.000	102.4
	66 2-Hexanone	43	15.288	15.288	(0.833)	1240243	100.000	109.2
	67 1,3-Dichloropropane	76	15.896	15.896	(0.866)	2957363	100.000	102.1
	68 Tetrachloroethene	164	16.018	16.018	(0.873)	2146645	100.000	99.98
	69 Chlorodibromomethane	129	16.574	16.574	(0.903)	2653180	100.000	109.1
	70 1,2-Dibromoethane	107	17.165	17.165	(0.936)	2644359	100.000	105.3
*	71 Chlorobenzene-d5	117	18.348	18.348	(1.000)	2299346	50.0000	
	72 Chlorobenzene	112	18.452	18.452	(1.006)	4700159	100.000	101.0(A)
	73 1,1,1,2-Tetrachloroethane	131	18.626	18.626	(1.015)	1993322	100.000	105.2
	74 Ethylbenzene	106	18.695	18.695	(1.019)	2119510	100.000	101.2
	75 m,p-Xylenes	106	18.956	18.956	(1.033)	5605880	200.000	199.9
	76 o-Xylene	106	20.312	20.312	(1.107)	2668712	100.000	101.2
	77 Styrene	104	20.434	20.434	(1.114)	4526228	100.000	104.4
M	78 Xylenes (total)	106				8274592	300.000	301.1
	79 Bromoform	173	21.390	21.390	(1.166)	1912389	100.000	100.7
	80 Isopropylbenzene	105	21.547	21.547	(1.174)	6910127	100.000	102.7

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4174.D
Report Date: 28-Nov-2006 10:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	81 Cyclohexanone	55	21.651	21.651	(1.180)	839772	1000.00	1032
	82 1,1,2,2-Tetrachloroethane	83	22.103	22.103	(1.205)	3446765	100.000	118.7
$	83 4-Bromofluorobenzene	95	22.295	22.295	(0.899)	4064981	100.000	99.48
	84 1,2,3-Trichloropropane	110	22.538	22.538	(0.909)	746124	100.000	107.1
	85 Bromobenzene	156	22.764	22.764	(0.918)	2159996	100.000	99.30
	86 n-Propylbenzene	91	22.799	22.799	(0.919)	10177725	100.000	97.76
	88 trans-1,4-dichloro-2-butene	53	22.816	22.816	(0.920)	600906	100.000	114.8
	87 2-Chlorotoluene	91	23.164	23.164	(0.934)	6085407	100.000	95.53
	89 1,3,5-Trimethylbenzene	105	23.216	23.216	(0.936)	5678395	100.000	95.58
	90 4-Chlorotoluene	91	23.286	23.286	(0.939)	8253503	100.000	100.4
	91 t-Butylbenzene	119	23.946	23.946	(0.966)	6754263	100.000	97.24
	92 Pentachloroethane	167	23.999	23.999	(0.968)	876291	100.000	100.7
	93 1,2,4-Trimethylbenzene	105	24.016	24.016	(0.968)	5202607	100.000	94.62
	94 sec-Butylbenzene	105	24.346	24.346	(0.982)	9812422	100.000	102.8
	95 4-Isopropyltoluene	119	24.590	24.590	(0.992)	6134269	100.000	96.92
	96 1,3-Dichlorobenzene	146	24.677	24.677	(0.995)	3732420	100.000	98.30
*	97 1,4 Dichlorobenzene-d4	152	24.798	24.798	(1.000)	1245028	50.0000	
	98 1,4-Dichlorobenzene	146	24.851	24.851	(1.002)	4165984	100.000	96.96
	99 n-Butylbenzene	91	25.216	25.216	(1.017)	6518401	100.000	98.28
	100 1,2-Dichlorobenzene	146	25.390	25.390	(1.024)	3645983	100.000	97.42
	147 Nonanal	57	25.842	25.842	(1.042)	852334	100.000	115.8(A)
	101 1,2-Dibromo-3-chloropropane	157	26.415	26.415	(1.065)	627046	100.000	108.4
	103 1,2,4-Trichlorobenzene	180	27.389	27.389	(1.104)	1729931	100.000	99.18
	104 Hexachlorobutadiene	225	27.528	27.528	(1.110)	1004940	100.000	85.84
	105 Naphthalene	128	27.633	27.633	(1.114)	3210356	100.000	103.6
	106 1,2,3-Trichlorobenzene	180	27.893	27.893	(1.125)	1590176	100.000	100.6

QC Flag Legend

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

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4174.D
Report Date: 28-Nov-2006 10:29

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GCAL4174.D
Lab Smp Id: VSTD100
Analysis Type: VOA
Quant Type: ISTD
Operator: SS
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Misc Info: VBLKG331C.B;

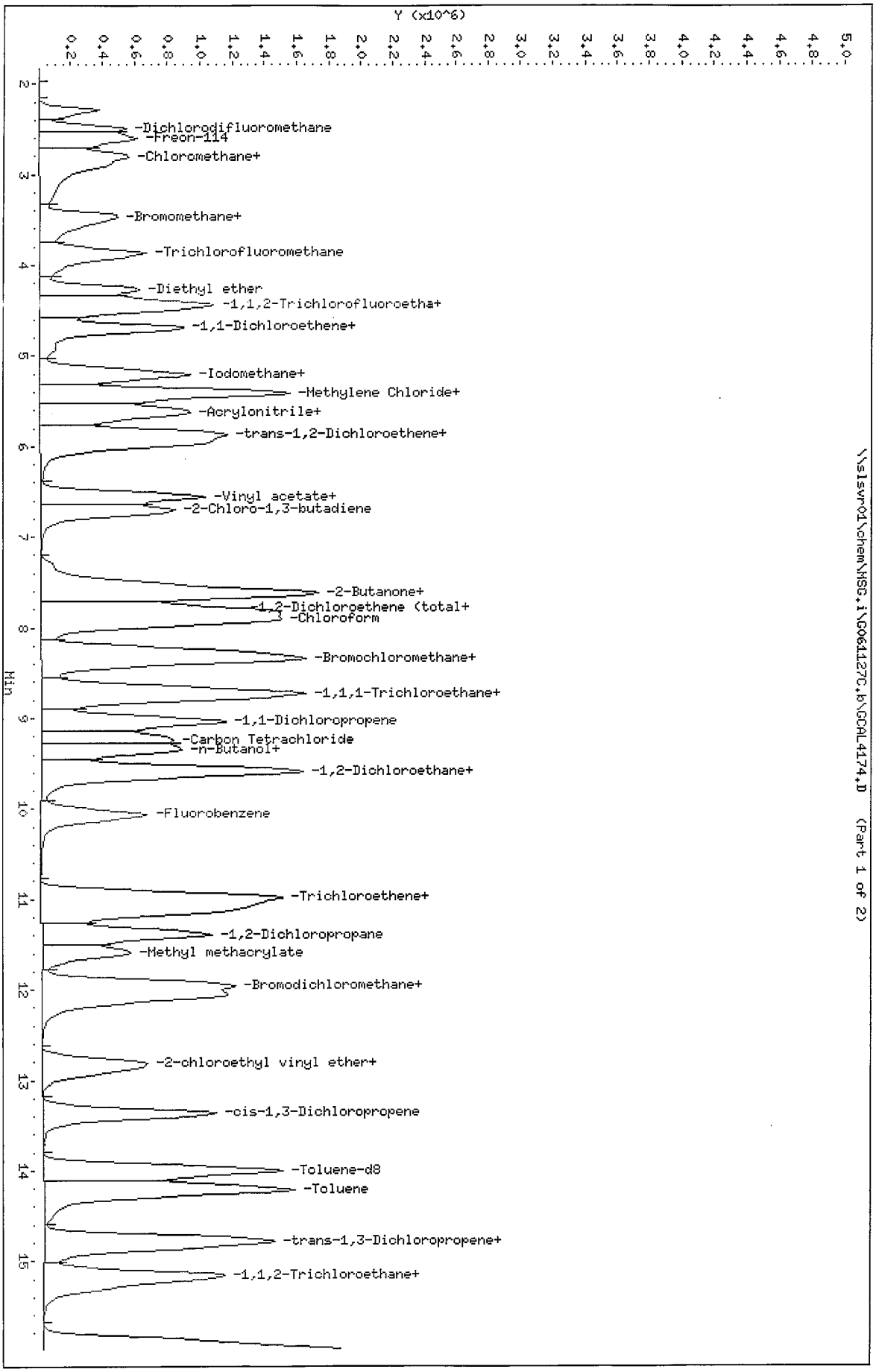
Calibration Date: 27-NOV-2006
Calibration Time: 21:57

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3088621	1544311	6177242	2923575	-5.34
71 Chlorobenzene-d5	2420626	1210313	4841252	2299346	-5.01
97 1,4 Dichlorobenze	1211198	605599	2422396	1245028	2.79

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.07	9.57	10.57	10.05	-0.13
71 Chlorobenzene-d5	18.34	17.84	18.84	18.35	0.03
97 1,4 Dichlorobenze	24.81	24.31	25.31	24.80	-0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.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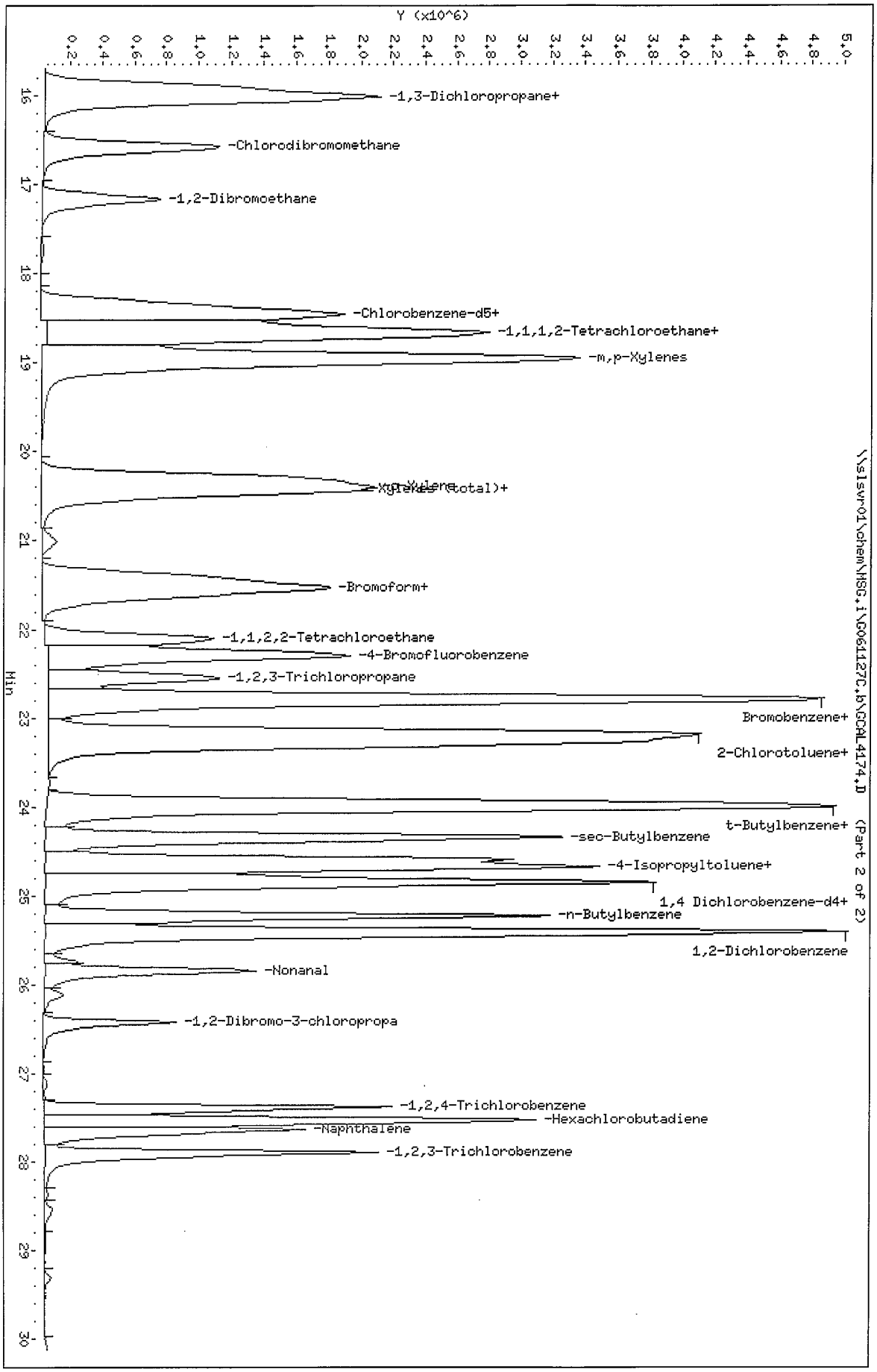
Date : 27-NOV-2006 22:34
Client ID:
Sample Info: VSTD100;G064127C.b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG.i
Operator: SS
Column diameter: 0.53
\\slsvr01\chem\MSG.i\G064127C.b\GCAL4174.D (Part 1 of 2)
Y (x10^6)
Min
-Dichlorodifluoromethane
-Freon-114
-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Diethyl ether
-1,1,2-Trichlorofluoroetha+
-1,1-Dichloroethene+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-trans-1,2-Dichloroethene+
-Vinyl acetate+
-2-Chloro-1,3-butadiene
-2-Butanone+
-1,2-Dichloroethene (total+
-Chloroform
-Bromochloromethane+
-1,1,1-Trichloroethane+
-1,1-Dichloropropene
-Carbon Tetrachloride
-n-Butanol+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene+
-1,2-Dichloropropane
-Methyl methacrylate
-Bromodichloromethane+
-2-chloroethyl vinyl ether+
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane+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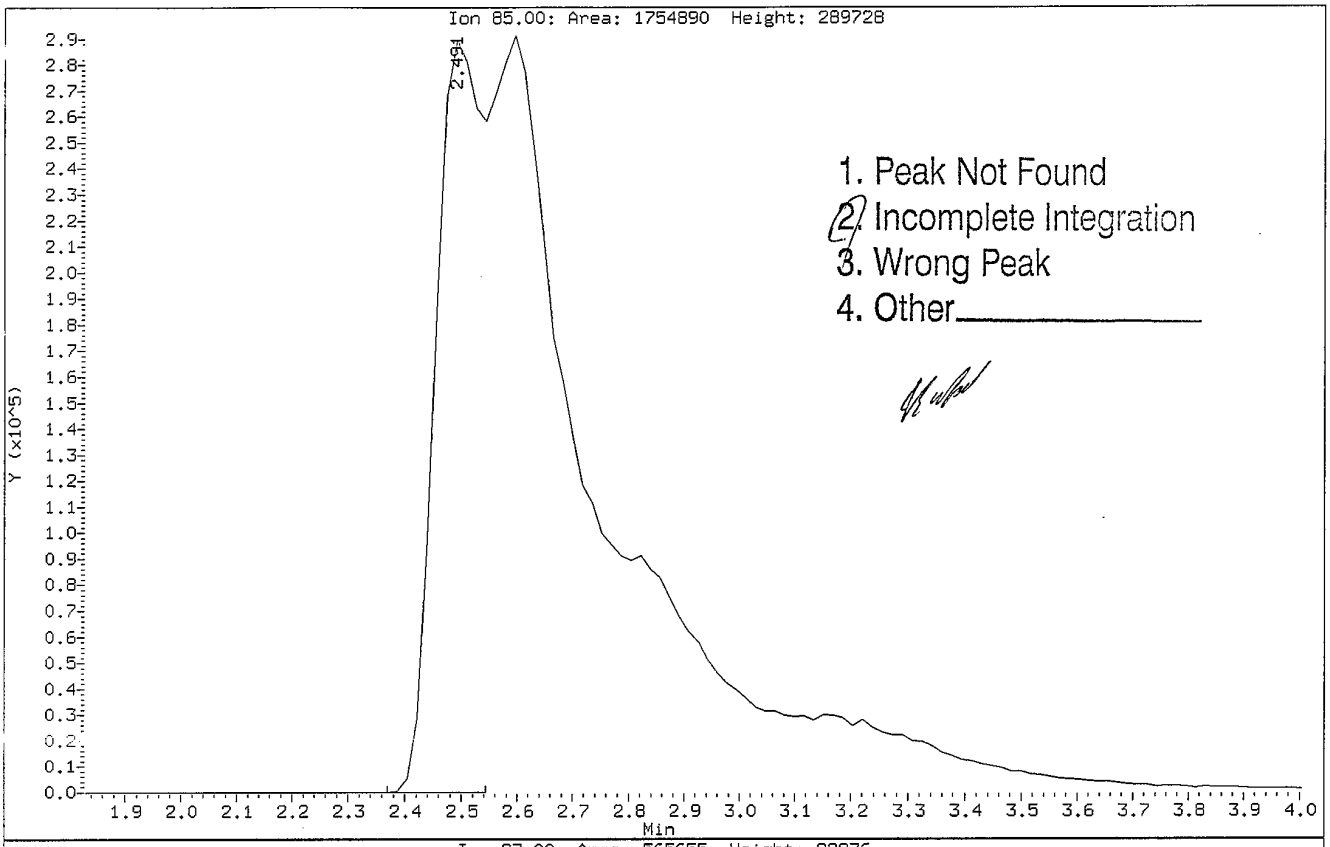
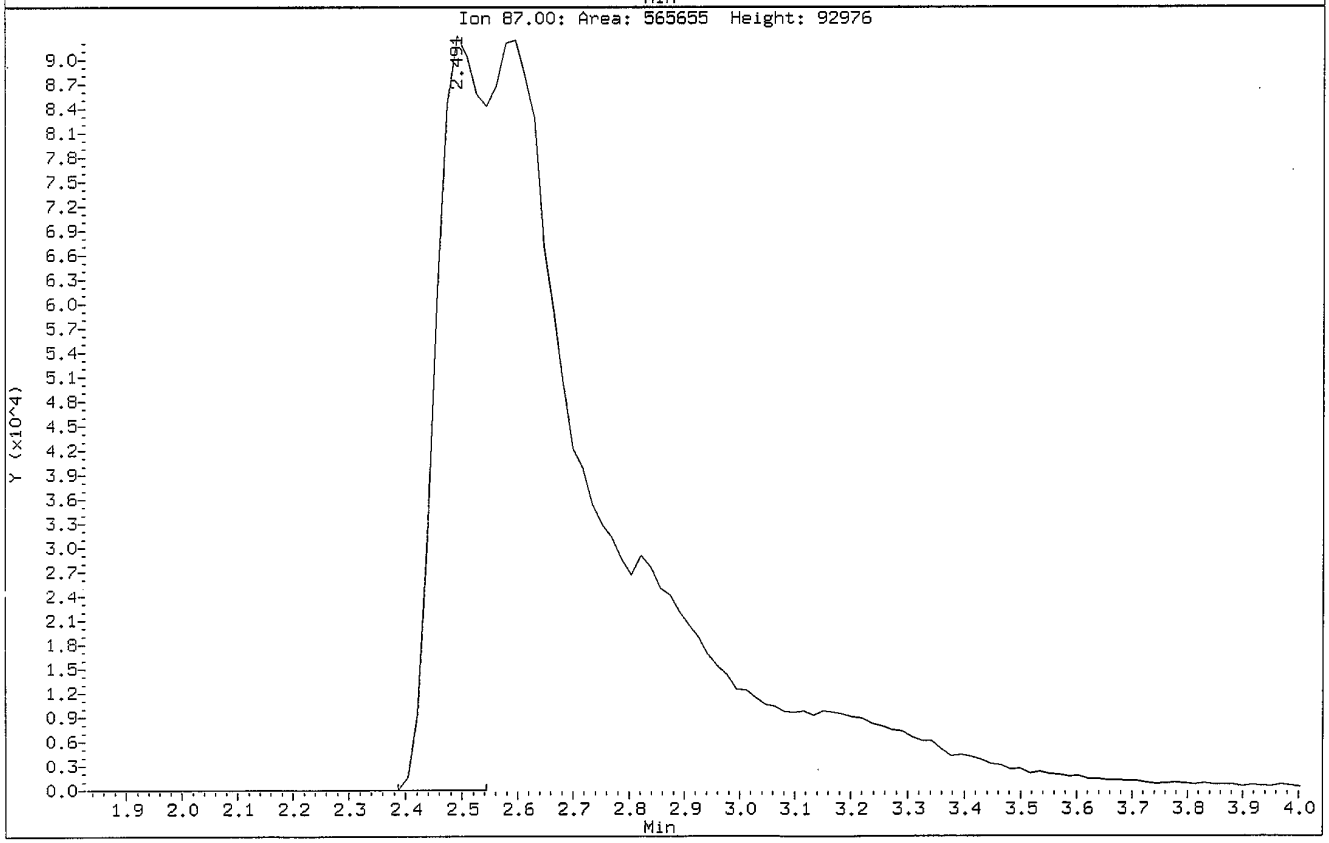
Date : 27-NOV-2006 22:34
Client ID:
Sample Info: VSTD100:G064127C.b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG.i
Operator: SS
Column diameter: 0.53
\\slsvr01\chem\MSG.i\G064127C.b\GCAL4174.D (Part 2 of 2)
Y (x10^6)
Min
-1,3-Dichloropropane+
-Chlorodibromomethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m,p-Xylenes
-o-Xylene
Xylenes (total)+
-Bromoform+
-1,1,2,2-Tetrachloroethane
-4-Bromofluorobenzene
-1,2,3-Trichloropropane
Bromobenzene+
2-Chlorotoluene+
t-Butylbenzene+
-sec-Butylbenzene
-4-Isopropyltoluene+
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
1,2-Dichlorobenzene
-Nonanal
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4174.D
Injection Date: 27-NOV-2006 22:34
Instrument: MSG.i
Client Sample ID:

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8





Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4175.D
Report Date: 29-Nov-2006 12:38

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSG.i\G061127C.b\GCAL4175.D
Lab Smp Id: VSTD200
Inj Date : 27-NOV-2006 23:10
Operator : SS Inst ID: MSG.i
Smp Info : VSTD200;G061127C.b
Misc Info : VBLKG331C.B;
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Meth Date : 28-Nov-2006 15:42 stitess Quant Type: ISTD
Cal Date : 27-NOV-2006 23:10 Cal File: GCAL4175.D
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CCAL.sub
Target Version: 4.14
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.521	2.521	(0.250)	3578688	200.000	168.8(M)
2 Freon-114	135	2.642	2.642	(0.262)	406151	200.000	46.52(M)
3 Chloromethane	50	2.799	2.799	(0.278)	3460895	200.000	185.8
4 Vinyl Chloride	62	2.903	2.903	(0.288)	1829169	200.000	127.8
5 Bromomethane	94	3.459	3.459	(0.343)	3032034	200.000	174.3
6 Chloroethane	64	3.581	3.581	(0.355)	1804324	200.000	173.1
7 Trichlorofluoromethane	101	3.877	3.877	(0.384)	6002687	200.000	200.6(A)
8 Diethyl ether	59	4.294	4.294	(0.426)	2786078	400.000	345.3
9 1,1,2-Trichlorofluoroethane	101	4.433	4.433	(0.440)	5787899	200.000	182.0
11 Acetone	43	4.572	4.572	(0.453)	493804	200.000	198.5
12 1,1-Dichloroethene	96	4.694	4.694	(0.466)	3275361	200.000	210.2(A)
13 Acetonitrile	41	4.955	4.955	(0.491)	683020	1000.00	939.7
14 Iodomethane	142	5.163	5.163	(0.512)	3178711	200.000	178.6
15 Methyl acetate	74	5.198	5.198	(0.516)	372932	200.000	183.8
16 Allyl chloride	39	5.233	5.233	(0.519)	2542219	200.000	193.2
17 Methylene Chloride	84	5.407	5.407	(0.536)	3994892	200.000	198.7
18 Carbon Disulfide	76	5.424	5.424	(0.538)	9364932	200.000	189.6
19 Acrylonitrile	53	5.616	5.616	(0.557)	2277411	1000.00	1094(A)
20 MTBE	73	5.668	5.668	(0.562)	6840411	200.000	199.5
21 trans-1,2-Dichloroethene	96	5.859	5.859	(0.581)	3179273	200.000	184.8
22 n-Hexane	57	5.963	5.963	(0.591)	4574851	200.000	187.9
24 Vinyl acetate	43	6.572	6.572	(0.652)	5263737	200.000	194.5

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4175.D
Report Date: 29-Nov-2006 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	6.554	6.554	(0.650)	6460701	200.000	187.1
	25 2-Chloro-1,3-butadiene	53	6.711	6.711	(0.665)	4966479	200.000	204.8(A)
	27 2-Butanone	43	7.337	7.337	(0.728)	1034079	200.000	216.6(A)
	28 Propionitrile	54	7.476	7.476	(0.741)	1113283	1000.00	1006(A)
	29 2,2-Dichloropropane	77	7.546	7.546	(0.748)	5504107	200.000	188.8
	31 Ethyl acetate	43	7.650	7.650	(0.759)	5299033	400.000	388.4
	30 cis-1,2-Dichloroethene	96	7.632	7.632	(0.757)	3586062	200.000	189.0
	32 Methacrylonitrile	41	7.824	7.824	(0.776)	8287826	1000.00	1092(A)
	33 Chloroform	83	7.928	7.928	(0.786)	7079308	200.000	196.1
M	38 1,2-Dichloroethene (total)	96				6765335	400.000	373.9
	34 Bromochloromethane	128	8.258	8.258	(0.819)	2345671	200.000	204.0(A)
	37 Tetrahydrofuran	71	8.363	8.363	(0.829)	1189443	1000.00	970.8
$	36 Dibromofluoromethane	113	8.363	8.363	(0.829)	6036747	200.000	211.2(A)
	39 1,1,1-Trichloroethane	97	8.710	8.710	(0.864)	5937233	200.000	202.4(A)
	35 Isobutanol	42	8.745	8.745	(0.867)	1168404	4000.00	3535
	40 Cyclohexane	84	8.745	8.745	(0.867)	4013652	200.000	194.5
	41 1,1-Dichloropropene	75	9.041	9.041	(0.897)	6003760	200.000	197.2
	42 Carbon Tetrachloride	117	9.232	9.232	(0.916)	5105093	200.000	208.6(A)
	45 n-Butanol	56	9.406	9.406	(0.933)	768845	2000.00	1962
$	43 1,2-Dichloroethane-d4	67	9.371	9.371	(0.929)	1842203	200.000	195.8
	46 1,2-Dichloroethane	62	9.580	9.580	(0.950)	3982277	200.000	195.4
	47 Benzene	78	9.597	9.597	(0.952)	11093375	200.000	200.5(A)
*	48 Fluorobenzene	96	10.084	10.084	(1.000)	3323686	50.0000	
	49 Trichloroethene	130	10.971	10.971	(1.088)	4728191	200.000	206.0(A)
	50 Methylcyclohexane	55	11.110	11.110	(1.102)	5135776	200.000	184.4
	51 1,2-Dichloropropane	63	11.388	11.388	(1.129)	4803262	200.000	202.2(A)
	52 Methyl methacrylate	69	11.597	11.597	(1.150)	2524264	200.000	222.2(A)
	53 Bromodichloromethane	83	11.962	11.962	(1.186)	8754097	200.000	230.3(A)
	55 1,4-Dioxane	88	12.066	12.066	(1.197)	749601	4000.00	4088(A)
	54 Dibromomethane	93	12.066	12.066	(1.197)	4159316	200.000	205.8(A)
	56 2-Nitropropane	43	12.153	12.153	(1.205)	1895168	200.000	201.0(A)
	57 2-chloroethyl vinyl ether	63	12.797	12.797	(1.269)	2282066	200.000	217.1(A)
	58 4-Methyl-2-pentanone	43	12.883	12.883	(1.278)	5240258	200.000	213.5(A)
	59 cis-1,3-Dichloropropene	75	13.388	13.388	(1.328)	7092274	200.000	214.8(A)
$	61 Toluene-d8	98	13.996	13.996	(0.763)	11897679	200.000	191.7
	62 Toluene	91	14.222	14.222	(0.775)	13313062	200.000	187.4
	63 trans-1,3-Dichloropropene	75	14.761	14.761	(0.805)	5777424	200.000	227.0(A)
	64 Ethyl methacrylate	69	14.831	14.831	(0.809)	5496181	200.000	214.5(A)
	65 1,1,2-Trichloroethane	97	15.161	15.161	(0.827)	4208485	200.000	218.2(A)
	66 2-Hexanone	43	15.300	15.300	(0.834)	2468844	200.000	195.5
	67 1,3-Dichloropropane	76	15.909	15.909	(0.867)	6614869	200.000	205.6(A)
	68 Tetrachloroethene	164	16.013	16.013	(0.873)	4805373	200.000	201.5(A)
	69 Chlorodibromomethane	129	16.587	16.587	(0.904)	6675061	200.000	247.2(A)
	70 1,2-Dibromoethane	107	17.178	17.178	(0.936)	6185289	200.000	221.7(A)
*	71 Chlorobenzene-d5	117	18.343	18.343	(1.000)	2553463	50.0000	
	72 Chlorobenzene	112	18.465	18.465	(1.007)	10305319	200.000	199.5(A)
	73 1,1,1,2-Tetrachloroethane	131	18.639	18.639	(1.016)	4895217	200.000	232.6(A)
	74 Ethylbenzene	106	18.691	18.691	(1.019)	4518728	200.000	194.2
	75 m,p-Xylenes	106	18.952	18.952	(1.033)	12097565	400.000	388.5
	76 o-Xylene	106	20.308	20.308	(1.107)	5726117	200.000	195.5
	77 Styrene	104	20.430	20.430	(1.114)	10368919	200.000	215.3(A)
M	78 Xylenes (total)	106				17823682	600.000	584.0
	79 Bromoform	173	21.403	21.403	(1.167)	4307873	200.000	200.6(A)
	80 Isopropylbenzene	105	21.525	21.525	(1.173)	15511638	200.000	207.6(A)

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4175.D
Report Date: 29-Nov-2006 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	81 Cyclohexanone	55	21.664	21.664	(1.181)	1657796	2000.00	1835
	82 1,1,2,2-Tetrachloroethane	83	22.116	22.116	(1.206)	6939514	200.000	215.2(A)
$	83 4-Bromofluorobenzene	95	22.290	22.290	(0.899)	8393896	200.000	202.6(A)
	84 1,2,3-Trichloropropane	110	22.551	22.551	(0.910)	1521228	200.000	215.4(A)
	85 Bromobenzene	156	22.777	22.777	(0.919)	4735549	200.000	214.7(A)
	86 n-Propylbenzene	91	22.777	22.777	(0.919)	21352694	200.000	202.3(A)
	88 trans-1,4-dichloro-2-butene	53	22.812	22.812	(0.920)	1179609	200.000	222.3(A)
	87 2-Chlorotoluene	91	23.159	23.159	(0.934)	13079402	200.000	202.5(A)
	89 1,3,5-Trimethylbenzene	105	23.212	23.212	(0.936)	12687859	200.000	210.6(A)
	90 4-Chlorotoluene	91	23.281	23.281	(0.939)	17413467	200.000	208.9(A)
	91 t-Butylbenzene	119	23.942	23.942	(0.966)	14983805	200.000	212.8(A)
	92 Pentachloroethane	167	23.994	23.994	(0.968)	1857723	200.000	208.8(A)
	93 1,2,4-Trimethylbenzene	105	24.011	24.011	(0.968)	11827399	200.000	212.1(A)
	94 sec-Butylbenzene	105	24.324	24.324	(0.981)	20127327	200.000	207.9(A)
	95 4-Isopropyltoluene	119	24.585	24.585	(0.992)	14213199	200.000	221.5(A)
	96 1,3-Dichlorobenzene	146	24.672	24.672	(0.995)	7665247	200.000	199.1
*	97 1,4 Dichlorobenzene-d4	152	24.794	24.794	(1.000)	1262341	50.0000	
	98 1,4-Dichlorobenzene	146	24.846	24.846	(1.002)	8622820	200.000	197.9
	99 n-Butylbenzene	91	25.211	25.211	(1.017)	14935006	200.000	222.1(A)
	100 1,2-Dichlorobenzene	146	25.385	25.385	(1.024)	7279179	200.000	191.8
	147 Nonanal	57	25.837	25.837	(1.042)	1428142	200.000	191.9(A)
	101 1,2-Dibromo-3-chloropropane	157	26.428	26.428	(1.066)	1272018	200.000	216.9(A)
	103 1,2,4-Trichlorobenzene	180	27.385	27.385	(1.104)	3951759	200.000	223.4(A)
	104 Hexachlorobutadiene	225	27.524	27.524	(1.110)	2718952	200.000	229.1(A)
	105 Naphthalene	128	27.645	27.645	(1.115)	6316200	200.000	201.1(A)
	106 1,2,3-Trichlorobenzene	180	27.889	27.889	(1.125)	3479601	200.000	217.0(A)

QC Flag Legend

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

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GCAL4175.D
Report Date: 28-Nov-2006 10:28

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GCAL4175.D
Lab Smp Id: VSTD200
Analysis Type: VOA
Quant Type: ISTD
Operator: SS
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Misc Info: VBLKG331C.B;

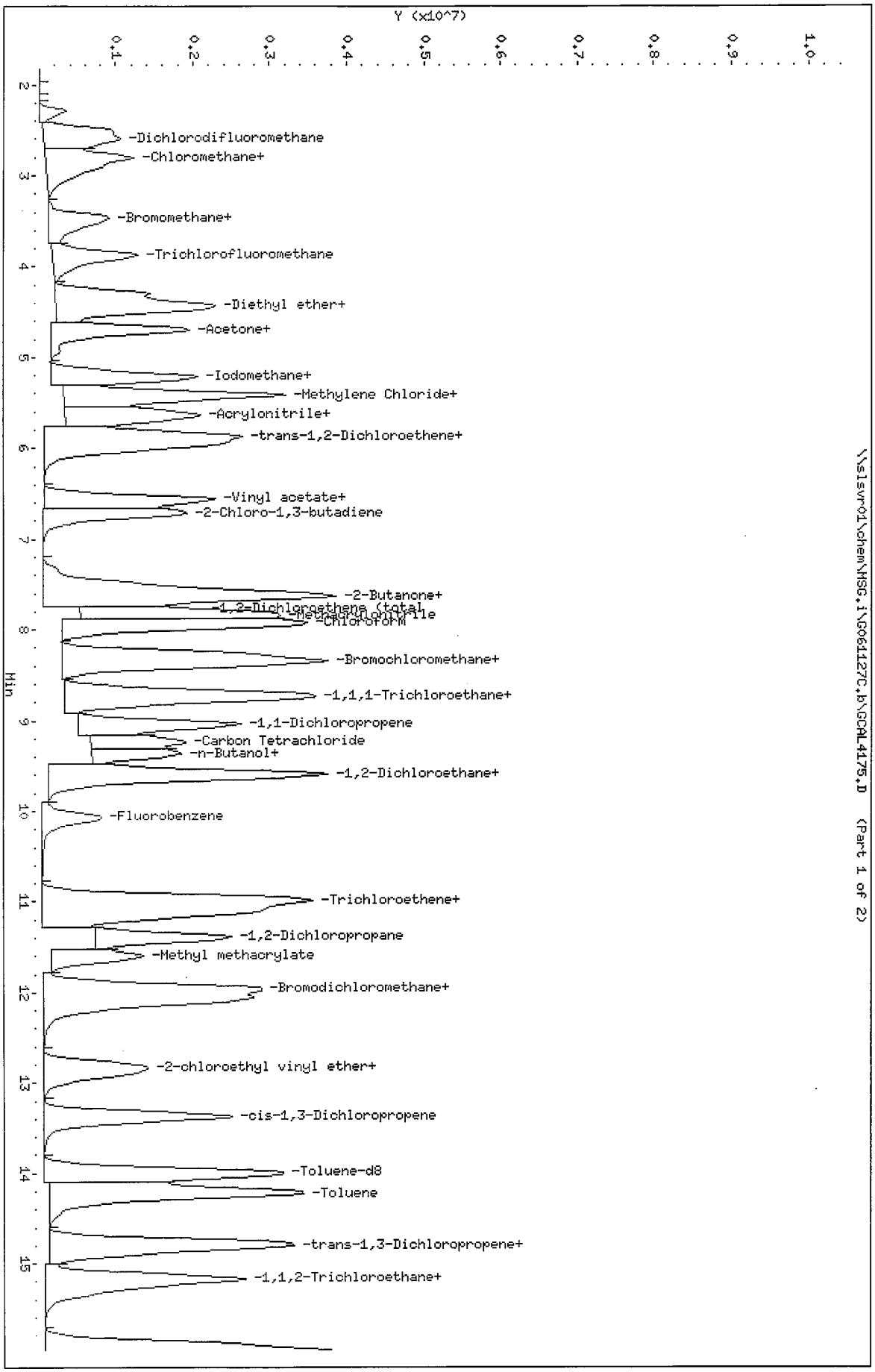
Calibration Date: 27-NOV-2006
Calibration Time: 21:57

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3088621	1544311	6177242	3323686	7.61
71 Chlorobenzene-d5	2420626	1210313	4841252	2553463	5.49
97 1,4 Dichlorobenze	1211198	605599	2422396	1262341	4.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.07	9.57	10.57	10.08	0.17
71 Chlorobenzene-d5	18.34	17.84	18.84	18.34	0.00
97 1,4 Dichlorobenze	24.81	24.31	25.31	24.79	-0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.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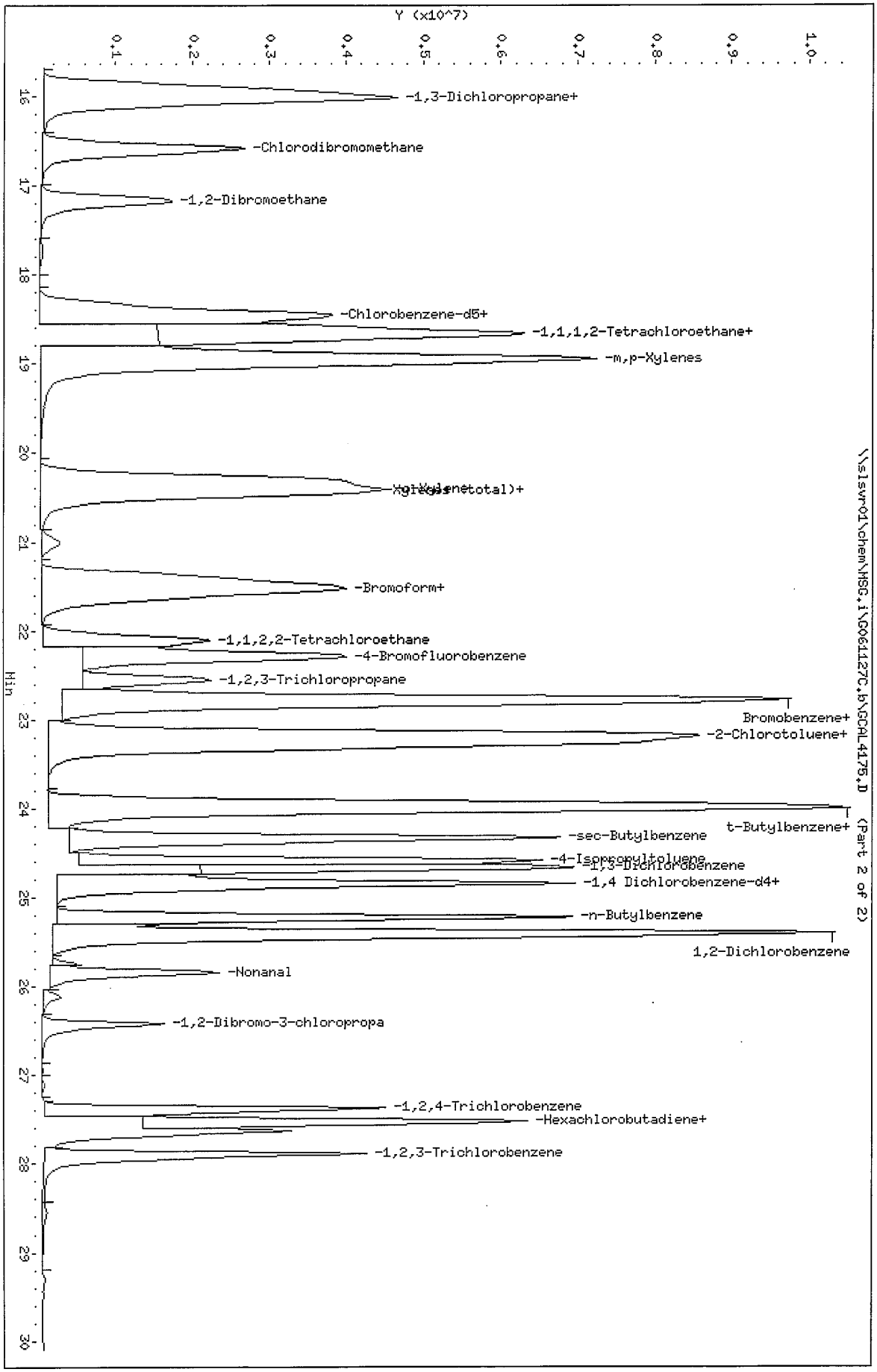
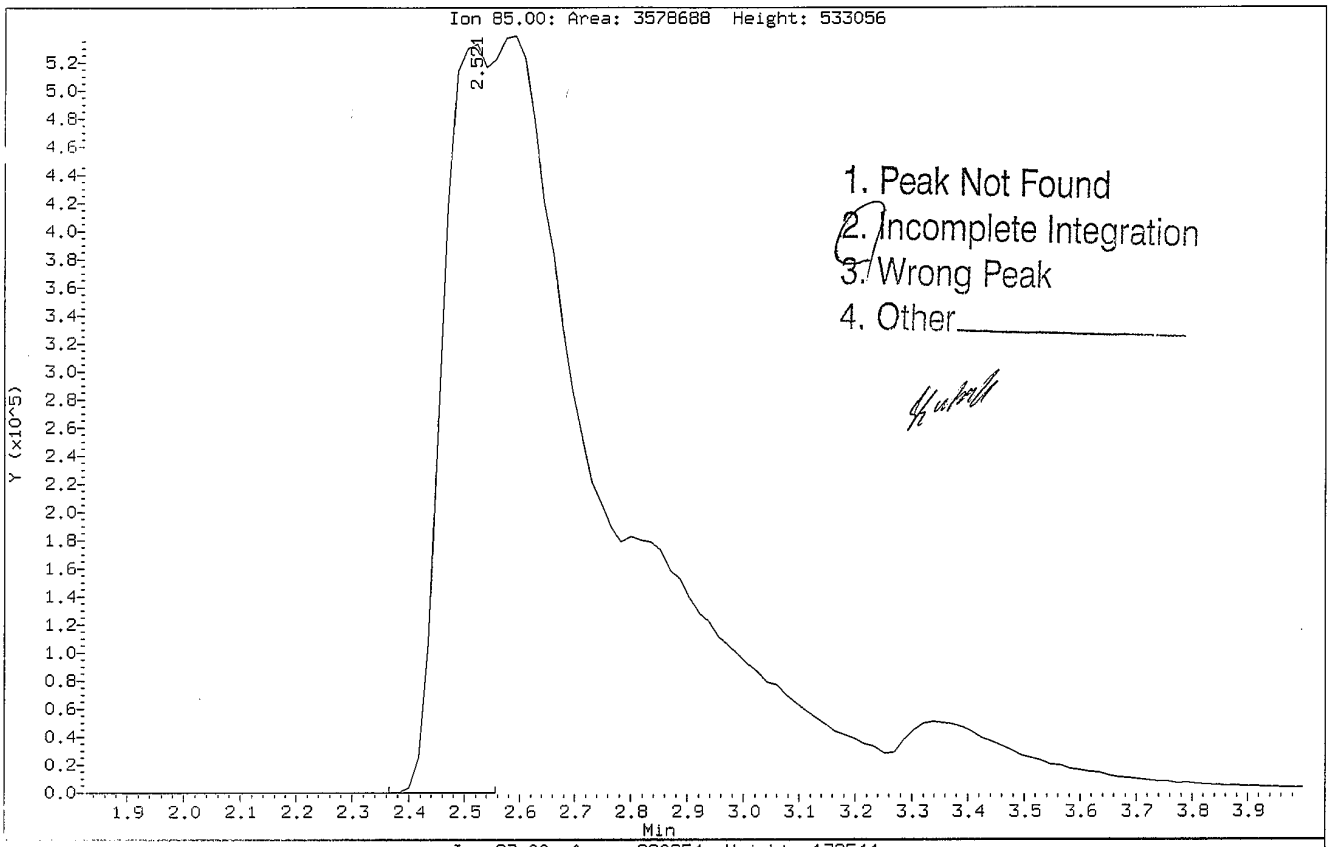
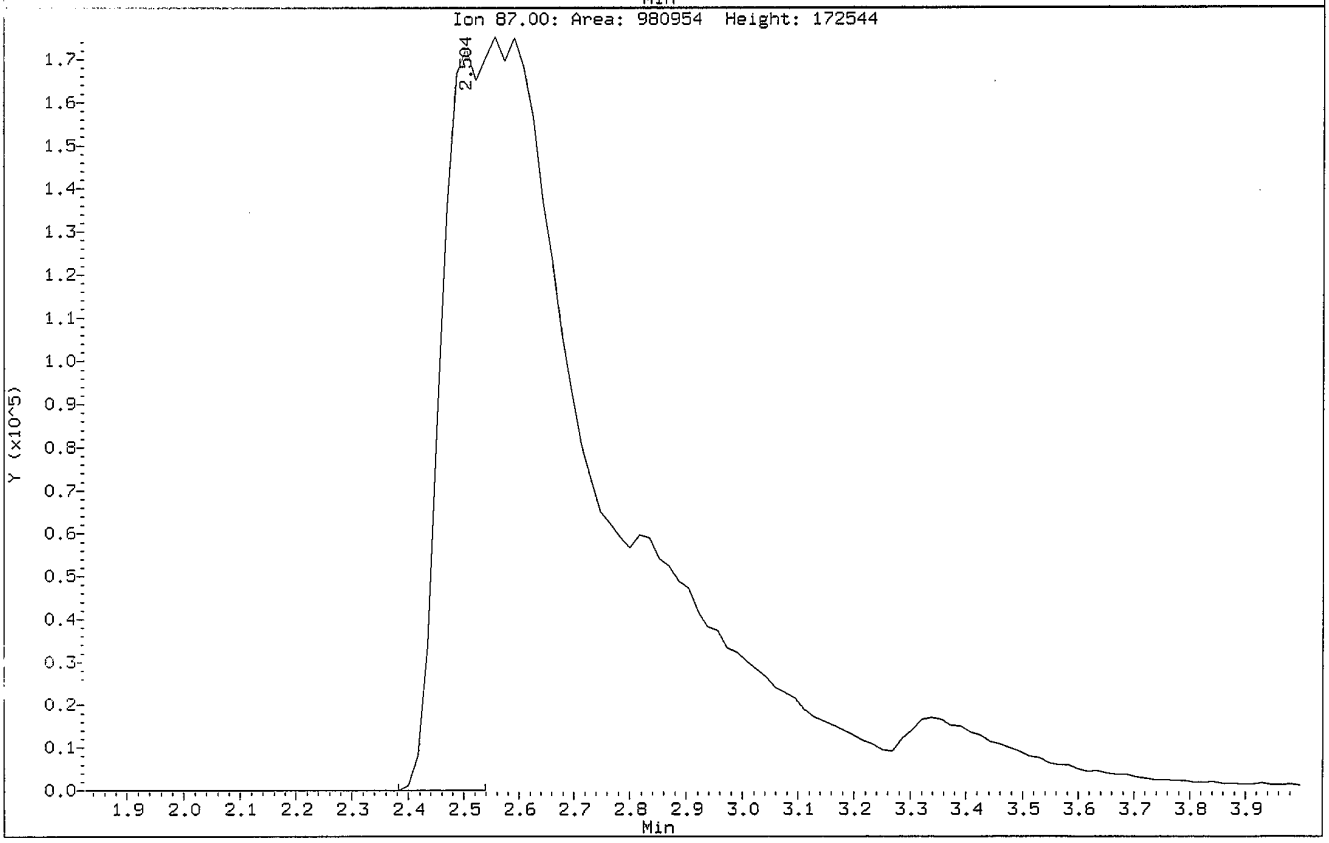
Date : 27-NOV-2006 23:10
Client ID:
Sample Info: VSTD200;G061127C.b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSC.i
Operator: SS
Column diameter: 0.53
\\slsvr01\chem\MSC.i\G061127C.b\GCAL4175.D (Part 1 of 2)
Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
-Dichlorodifluoromethane
-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Diethyl ether+
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-trans-1,2-Dichloroethene+
-Vinyl acetate+
-2-Chloro-1,3-butadiene
-2-Butanone+
-1,2-Dichloroethene (total
-Methacrylonitrile
-Chloroform
-Bromochloromethane+
-1,1,1-Trichloroethane+
-1,1-Dichloropropene
-Carbon Tetrachloride
-n-Butanol+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene+
-1,2-Dichloropropane
-Methyl methacrylate
-Bromodichloromethane+
-2-chloroethyl vinyl ether+
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane+


Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4175.D
Date : 27-NOV-2006 23:10
Client ID:
Sample Info: VSTD200:G061127C.b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG.i
Operator: SS
Column diameter: 0.53
\\slsvr01\chem\MSG.i\G061127C.b\GCAL4175.D (Part 2 of 2)
Y (x10^7)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Min
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
-1,3-Dichloropropane+
-Chlorodibromomethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m,p-Xylenes
-o-Xylene
-Bromoform+
-1,1,2,2-Tetrachloroethane
-4-Bromofluorobenzene
-1,2,3-Trichloropropane
Bromobenzene+
-2-Chlorotoluene+
t-Butylbenzene+
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
-1,4 Dichlorobenzene-d4+
-n-Butylbenzene
1,2-Dichlorobenzene
-Nonanal
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene

Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4175.D
Injection Date: 27-NOV-2006 23:10
Instrument: MSG.i
Client Sample ID:

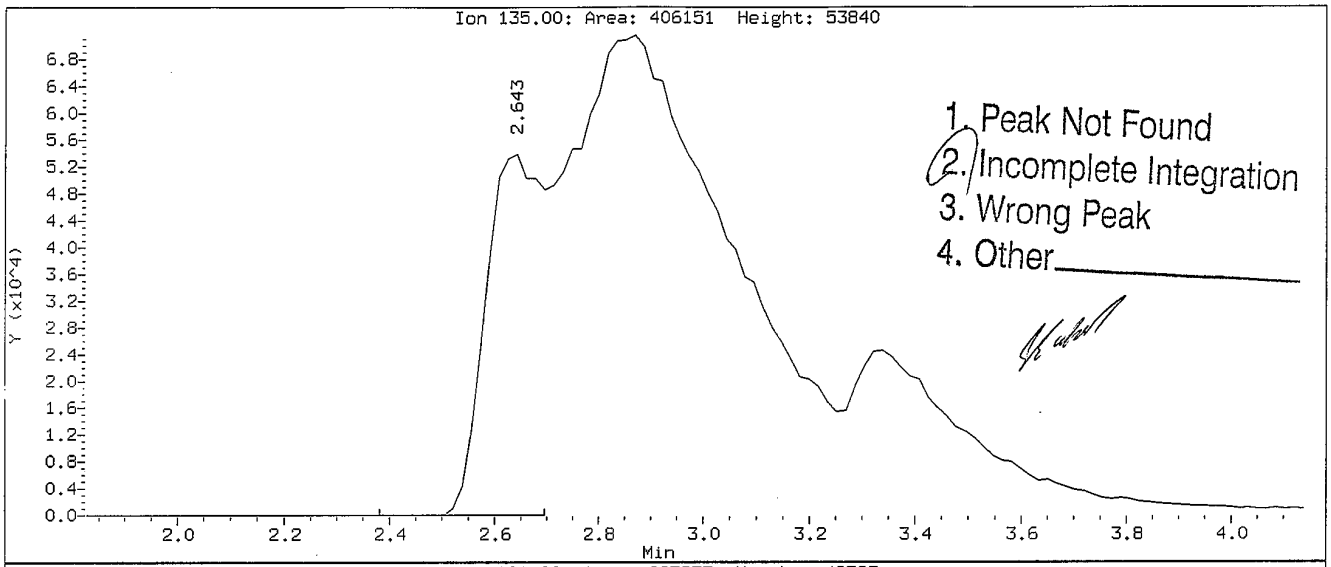
Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



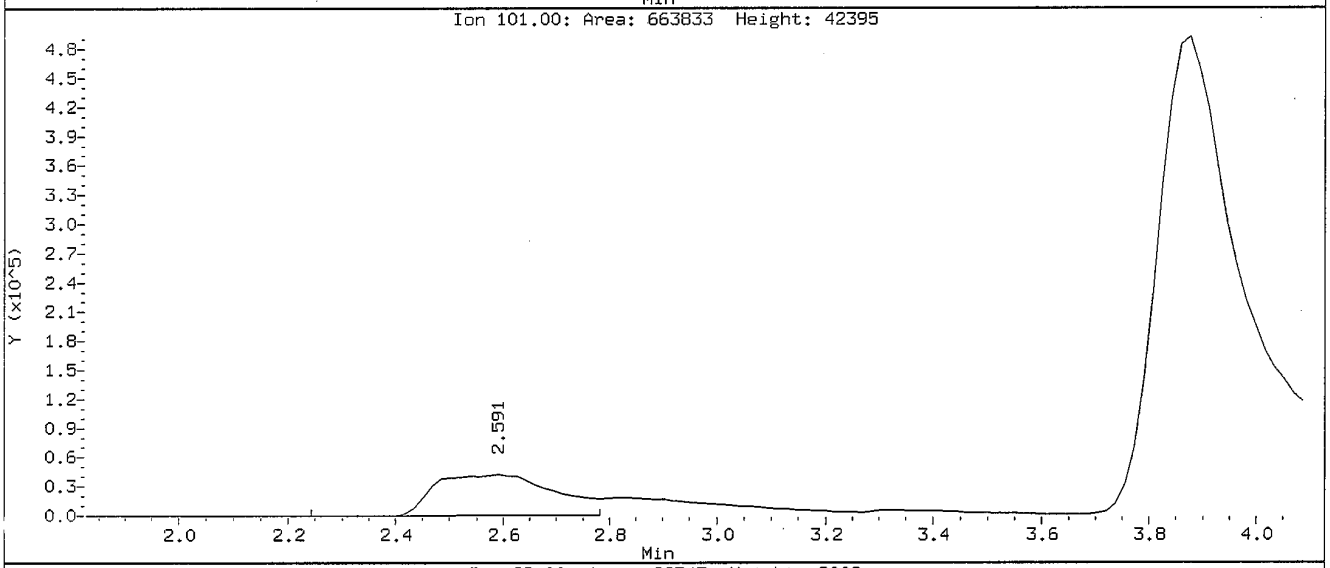


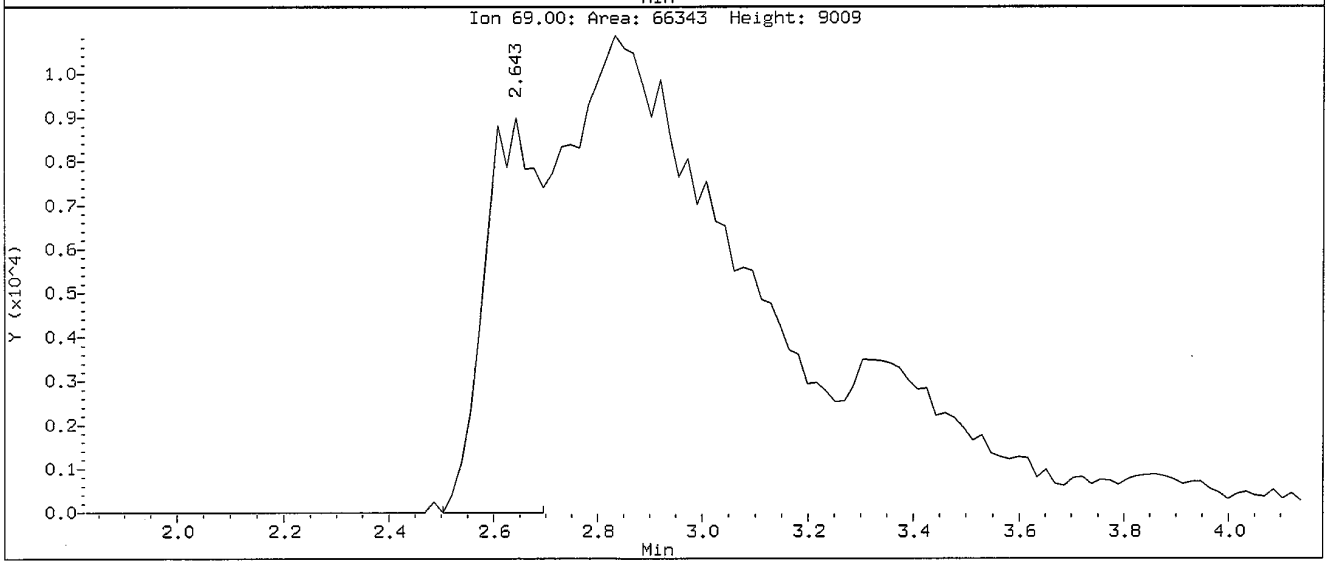
Data File: \\slsvr01\chem\MSG.i\G061127C.b\GCAL4175.D
Injection Date: 27-NOV-2006 23:10
Instrument: MSG.i
Client Sample ID:

Compound: Freon-114
CAS Number: 374-07-2



1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GLCS4178.D
Report Date: 05-Dec-2006 14:54

STL St. Louis

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSG.i
Lab File ID: GLCS4178.D
Analysis Type: WATER
Lab Sample ID: ICV050
Method: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m

Injection Date: 28-NOV-2006 00:59
Init. Cal. Date(s): 27-NOV-2006 27-NOV-2006
Init. Cal. Times: 19:32 23:10
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	1 Dichlorodifluoromethane	0.31891	0.29066	0.29066	0.000	8.85753	60.00000	Averaged
	2 Freon-114	0.13133	0.13410	0.13410	0.000	-2.10638	60.00000	Averaged
	3 Chloromethane	0.28028	0.30209	0.30209	0.100	-7.78283	60.00000	Averaged
	4 Vinyl Chloride	0.21532	0.18925	0.18925	0.000	12.10942	20.00000	Averaged
	5 Bromomethane	0.26164	0.27003	0.27003	0.000	-3.20512	60.00000	Averaged
	6 Chloroethane	0.15683	0.16627	0.16627	0.000	-6.01906	60.00000	Averaged
	7 Trichlorofluoromethane	0.45005	0.48996	0.48996	0.000	-8.86744	60.00000	Averaged
	8 Diethyl ether	0.12137	0.12431	0.12431	0.000	-2.42384	60.00000	Averaged
	9 1,1,2-Trichlorofluoroethane	0.47834	0.51006	0.51006	0.000	-6.63177	60.00000	Averaged
	11 Acetone	50.00000	53.04320	0.04335	0.000	-6.08640	60.00000	Linear
	12 1,1-Dichloroethene	0.23436	0.24754	0.24754	0.000	-5.62681	20.00000	Averaged
	13 Acetonitrile	0.01093	0.00954	0.00954	0.000	12.75416	60.00000	Averaged
	14 Iodomethane	0.26773	0.39802	0.39802	0.000	-48.66291	60.00000	Averaged
	15 Methyl acetate	0.03053	0.02552	0.02552	0.000	16.39120	60.00000	Averaged
	16 Allyl chloride	0.19797	0.19830	0.19830	0.000	-0.16657	60.00000	Averaged
	17 Methylene Chloride	50.00000	55.31936	0.37879	0.000	-10.63871	60.00000	Linear
	18 Carbon Disulfide	0.74285	0.87409	0.87409	0.000	-17.66817	60.00000	Averaged
	19 Acrylonitrile	0.03131	0.02604	0.02604	0.000	16.83289	60.00000	Averaged
	20 MTBE	0.51577	0.52645	0.52645	0.000	-2.07083	60.00000	Averaged
	21 trans-1,2-Dichloroethene	0.25873	0.27736	0.27736	0.000	-7.20229	60.00000	Averaged
	22 n-Hexane	0.36623	0.37316	0.37316	0.000	-1.89135	60.00000	Averaged
	24 Vinyl acetate	0.40716	0.43732	0.43732	0.000	-7.40784	60.00000	Averaged
	23 1,1-Dichloroethane	0.51940	0.52845	0.52845	0.100	-1.74398	60.00000	Averaged
	25 2-Chloro-1,3-butadiene	0.36474	0.38763	0.38763	0.000	-6.27379	60.00000	Averaged
	27 2-Butanone	0.07181	0.06932	0.06932	0.000	3.46919	60.00000	Averaged
	28 Propionitrile	250	226	0.01407	0.000	9.64479	60.00000	Linear
	29 2,2-Dichloropropane	0.43844	0.43000	0.43000	0.000	1.92535	60.00000	Averaged
	31 Ethyl acetate	0.20524	0.18943	0.18943	0.000	7.69959	60.00000	Averaged
	30 cis-1,2-Dichloroethene	0.28535	0.30133	0.30133	0.000	-5.60016	60.00000	Averaged
	32 Methacrylonitrile	0.11419	0.11434	0.11434	0.000	-0.13167	60.00000	Averaged
	33 Chloroform	0.54319	0.56217	0.56217	0.000	-3.49482	20.00000	Averaged
M	38 1,2-Dichloroethene (total)	0.27204	0.28935	0.28935	0.000	-6.36203	120	Averaged
	34 Bromochloromethane	0.17294	0.17912	0.17912	0.000	-3.57589	60.00000	Averaged
	37 Tetrahydrofuran	0.01843	0.01716	0.01716	0.000	6.91783	60.00000	Averaged
$	36 Dibromofluoromethane	0.43004	0.45143	0.45143	0.000	-4.97456	60.00000	Averaged
	39 1,1,1-Trichloroethane	0.44119	0.47231	0.47231	0.000	-7.05358	60.00000	Averaged
	35 Isobutanol	0.00497	0.00475	0.00475	0.000	4.37714	100	Averaged
	40 Cyclohexane	0.31038	0.33046	0.33046	0.000	-6.46892	60.00000	Averaged
	41 1,1-Dichloropropene	0.45789	0.46998	0.46998	0.000	-2.64193	60.00000	Averaged
	42 Carbon Tetrachloride	0.36814	0.38210	0.38210	0.000	-3.79244	60.00000	Averaged
	45 n-Butanol	500	451	0.00535	0.000	9.70126	100	Linear
$	43 1,2-Dichloroethane-d4	0.14153	0.14339	0.14339	0.000	-1.31296	60.00000	Averaged
	46 1,2-Dichloroethane	0.30661	0.30168	0.30168	0.000	1.60891	60.00000	Averaged

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GLCS4178.D
Report Date: 05-Dec-2006 14:54

STL St. Louis

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSG.i
Lab File ID: GLCS4178.D
Analysis Type: WATER
Lab Sample ID: ICV050
Method: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m

Injection Date: 28-NOV-2006 00:59
Init. Cal. Date(s): 27-NOV-2006 27-NOV-2006
Init. Cal. Times: 19:32 23:10
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	47 Benzene	0.83242	0.83094	0.83094	0.000	0.17797	60.00000	Averaged
	49 Trichloroethene	0.34535	0.34003	0.34003	0.000	1.54107	60.00000	Averaged
	50 Methylcyclohexane	0.41889	0.41412	0.41412	0.000	1.14031	60.00000	Averaged
	51 1,2-Dichloropropane	0.35729	0.35257	0.35257	0.000	1.32124	20.00000	Averaged
	52 Methyl methacrylate	0.17088	0.16160	0.16160	0.000	5.43315	60.00000	Averaged
	53 Bromodichloromethane	0.57173	0.59611	0.59611	0.000	-4.26368	60.00000	Averaged
	55 1,4-Dioxane	0.00276	0.00288	0.00288	0.000	-4.33713	100	Averaged
	54 Dibromomethane	0.30397	0.30743	0.30743	0.000	-1.13614	60.00000	Averaged
	56 2-Nitropropane	50.00000	43.72734	0.11625	0.000	12.54531	60.00000	Linear
	57 2-chloroethyl vinyl ether	0.15811	0.16055	0.16055	0.000	-1.54775	100	Averaged
	58 4-Methyl-2-pentanone	0.36923	0.36727	0.36727	0.000	0.53270	60.00000	Averaged
	59 cis-1,3-Dichloropropene	0.49670	0.49382	0.49382	0.000	0.57947	60.00000	Averaged
$	61 Toluene-d8	1.21528	1.32435	1.32435	0.000	-8.97449	60.00000	Averaged
	62 Toluene	1.39097	1.40078	1.40078	0.000	-0.70520	20.00000	Averaged
	63 trans-1,3-Dichloropropene	0.49837	0.51404	0.51404	0.000	-3.14418	60.00000	Averaged
	64 Ethyl methacrylate	0.50162	0.52675	0.52675	0.000	-5.00998	60.00000	Averaged
	65 1,1,2-Trichloroethane	0.37767	0.39265	0.39265	0.000	-3.96561	60.00000	Averaged
	66 2-Hexanone	50.00000	49.55588	0.24402	0.000	0.88823	60.00000	Linear
	67 1,3-Dichloropropane	0.63010	0.64966	0.64966	0.000	-3.10330	60.00000	Averaged
	68 Tetrachloroethene	0.46689	0.49640	0.49640	0.000	-6.32182	60.00000	Averaged
	69 Chlorodibromomethane	0.52885	0.55182	0.55182	0.000	-4.34232	60.00000	Averaged
	70 1,2-Dibromoethane	0.54621	0.55038	0.55038	0.000	-0.76345	60.00000	Averaged
	72 Chlorobenzene	1.01141	1.03826	1.03826	0.300	-2.65449	60.00000	Averaged
	73 1,1,1,2-Tetrachloroethane	0.41214	0.43527	0.43527	0.000	-5.61362	60.00000	Averaged
	74 Ethylbenzene	0.45565	0.46786	0.46786	0.000	-2.67998	20.00000	Averaged
	75 m,p-Xylenes	0.60967	0.62239	0.62239	0.000	-2.08704	60.00000	Averaged
	76 o-Xylene	0.57356	0.59279	0.59279	0.000	-3.35132	60.00000	Averaged
	77 Styrene	0.94319	0.98797	0.98797	0.000	-4.74795	60.00000	Averaged
M	78 Xylenes (total)	0.59763	0.61252	0.61252	0.000	-2.49150	180	Averaged
	79 Bromoform	50.00000	48.37981	0.38332	0.100	3.24037	60.00000	Linear
	80 Isopropylbenzene	1.46307	1.55773	1.55773	0.000	-6.47049	60.00000	Averaged
	81 Cyclohexanone	0.01769	0.01549	0.01549	0.000	12.39753	100	Averaged
	82 1,1,2,2-Tetrachloroethane	0.63142	0.66997	0.66997	0.300	-6.10480	60.00000	Averaged
$	83 4-Bromofluorobenzene	1.64106	1.65736	1.65736	0.000	-0.99338	60.00000	Averaged
	84 1,2,3-Trichloropropane	0.27977	0.28433	0.28433	0.000	-1.62983	60.00000	Averaged
	85 Bromobenzene	0.87360	0.87564	0.87564	0.000	-0.23417	60.00000	Averaged
	86 n-Propylbenzene	4.18085	4.15773	4.15773	0.000	0.55309	60.00000	Averaged
	88 trans-1,4-dichloro-2-butene	0.21015	0.21095	0.21095	0.000	-0.37747	60.00000	Averaged
	87 2-Chlorotoluene	2.55822	2.62106	2.62106	0.000	-2.45670	60.00000	Averaged
	89 1,3,5-Trimethylbenzene	2.38584	2.45216	2.45216	0.000	-2.77963	60.00000	Averaged
	90 4-Chlorotoluene	3.30207	2.93289	2.93289	0.000	11.18030	60.00000	Averaged
	91 t-Butylbenzene	2.78936	2.86650	2.86650	0.000	-2.76565	60.00000	Averaged

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GLCS4178.D
Report Date: 05-Dec-2006 14:54

STL St. Louis

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSG.i Injection Date: 28-NOV-2006 00:59
Lab File ID: GLCS4178.D Init. Cal. Date(s): 27-NOV-2006 27-NOV-2006
Analysis Type: WATER Init. Cal. Times: 19:32 23:10
Lab Sample ID: ICV050 Quant Type: ISTD
Method: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
92 Pentachloroethane	50.00000	47.68554	0.32719	0.000	4.62892	60.00000	Linear
93 1,2,4-Trimethylbenzene	2.20823	2.20129	2.20129	0.000	0.31434	60.00000	Averaged
94 sec-Butylbenzene	3.83395	3.96683	3.96683	0.000	-3.46574	60.00000	Averaged
95 4-Isopropyltoluene	2.54186	2.42918	2.42918	0.000	4.43316	60.00000	Averaged
96 1,3-Dichlorobenzene	1.52490	1.49169	1.49169	0.000	2.17827	60.00000	Averaged
98 1,4-Dichlorobenzene	1.72551	1.69445	1.69445	0.000	1.80033	60.00000	Averaged
99 n-Butylbenzene	2.66355	2.44763	2.44763	0.000	8.10662	60.00000	Averaged
100 1,2-Dichlorobenzene	1.50305	1.51599	1.51599	0.000	-0.86110	60.00000	Averaged
147 Nonanal	0.30281	0.28371	0.28371	0.000	6.30872	60.00000	Averaged
101 1,2-Dibromo-3-chloropropane	0.23230	0.25470	0.25470	0.000	-9.64450	60.00000	Averaged
103 1,2,4-Trichlorobenzene	0.70046	0.61369	0.61369	0.000	12.38798	60.00000	Averaged
104 Hexachlorobutadiene	0.47013	0.41568	0.41568	0.000	11.58083	60.00000	Averaged
105 Naphthalene	1.24404	1.24771	1.24771	0.000	-0.29510	60.00000	Averaged
106 1,2,3-Trichlorobenzene	0.63503	0.60645	0.60645	0.000	4.50096	60.00000	Averaged

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b/GLCS4178.D Pa
Report Date: 12/05/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSG.i
Lab File ID: GLCS4178.D
Analysis Type: WATER

Injection Date: 28-NOV-2006 00:59
Lab Sample ID: ICV050
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-U

COMPOUND	%D
Dichlorodifluoromethane	8.9
Freon-114	2.1
Chloromethane	7.8
Vinyl Chloride	12.1
Bromomethane	3.2
Chloroethane	6.0
Trichlorofluoromethane	8.9
Diethyl ether	2.4
1,1,2-Trichlorofluoroethane	6.6
Acrolein	100.0
Acetone	6.1
1,1-Dichloroethene	5.6
Acetonitrile	12.8
Iodomethane	48.7
Methyl acetate	16.4
Allyl chloride	0.2
Methylene Chloride	10.6
Carbon Disulfide	17.7
Acrylonitrile	16.8
MTBE	2.1
trans-1,2-Dichloroethene	7.2
n-Hexane	1.9
Vinyl acetate	7.4
1,1-Dichloroethane	1.7
2-Chloro-1,3-butadiene	6.3
2-Butanone	3.5
Propionitrile	9.6
2,2-Dichloropropane	1.9
Ethyl acetate	7.7
cis-1,2-Dichloroethene	5.6
1,2-Dichloroethene (total)	6.4
Methacrylonitrile	0.1
Chloroform	3.5
Bromochloromethane	3.6
Dibromofluoromethane	5.0
Tetrahydrofuran	6.9
1,1,1-Trichloroethane	7.1
Isobutanol	4.4
Cyclohexane	6.5

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b/GLCS4178.D
Report Date: 12/05/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSG.i
Lab File ID: GLCS4178.D
Analysis Type: WATER

Injection Date: 28-NOV-2006 00:59
Lab Sample ID: ICV050
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\

COMPOUND	%D
1,1-Dichloropropene	2.6
Carbon Tetrachloride	3.8
n-Butanol	9.7
1,2-Dichloroethane-d4	1.3
1,2-Dichloroethane	1.6
Benzene	0.2
Trichloroethene	1.5
Methylcyclohexane	1.1
1,2-Dichloropropane	1.3
Methyl methacrylate	5.4
Bromodichloromethane	4.3
1,4-Dioxane	4.3
Dibromomethane	1.1
2-Nitropropane	12.5
2-chloroethyl vinyl ether	1.5
4-Methyl-2-pentanone	0.5
cis-1,3-Dichloropropene	0.6
Toluene-d8	9.0
Toluene	0.7
trans-1,3-Dichloropropene	3.1
Ethyl methacrylate	5.0
1,1,2-Trichloroethane	4.0
2-Hexanone	0.9
1,3-Dichloropropane	3.1
Tetrachloroethene	6.3
Chlorodibromomethane	4.3
1,2-Dibromoethane	0.8
Chlorobenzene	2.7
1,1,1,2-Tetrachloroethane	5.6
Ethylbenzene	2.7
m,p-Xylenes	2.1
o-Xylene	3.4
Xylenes (total)	2.5
Styrene	4.7
Bromoform	3.2
Isopropylbenzene	6.5
Cyclohexanone	12.4
1,1,2,2-Tetrachloroethane	6.1
4-Bromofluorobenzene	1.0

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b/GLCS4178.D
Report Date: 12/05/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSG.i
Lab File ID: GLCS4178.D
Analysis Type: WATER

Injection Date: 28-NOV-2006 00:59
Lab Sample ID: ICV050
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\

COMPOUND	%D
1,2,3-Trichloropropane	1.6
Bromobenzene	0.2
n-Propylbenzene	0.6
trans-1,4-dichloro-2-butene	0.4
2-Chlorotoluene	2.5
1,3,5-Trimethylbenzene	2.8
4-Chlorotoluene	11.2
t-Butylbenzene	2.8
Pentachloroethane	4.6
1,2,4-Trimethylbenzene	0.3
sec-Butylbenzene	3.5
4-Isopropyltoluene	4.4
1,3-Dichlorobenzene	2.2
1,4-Dichlorobenzene	1.8
n-Butylbenzene	8.1
1,2-Dichlorobenzene	0.9
Nonanal	6.3
1,2-Dibromo-3-chloropropane	9.6
1,2,4-Trichlorobenzene	12.4
Hexachlorobutadiene	11.6
Naphthalene	0.3
1,2,3-Trichlorobenzene	4.5

The average of %D's in the continuing calibration is 6.3

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GLCS4178.D
Report Date: 29-Nov-2006 14:09

STL St. Louis

GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061127C.b\GLCS4178.D
Lab Smp Id: ICV050 Client Smp ID: ICV050
Inj Date : 28-NOV-2006 00:59
Operator : SS Inst ID: MSG.i
Smp Info : ICV050;G061127C.b
Misc Info : VBLKG331C.B;
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Meth Date : 29-Nov-2006 14:09 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 23:10 Cal File: GCAL4175.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CCAL.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.503	2.503	(0.249)	860219	50.0000	45.57(M)
2 Freon-114	135	2.624	2.624	(0.261)	396868	50.0000	51.05
3 Chloromethane	50	2.798	2.798	(0.278)	894036	50.0000	53.89
4 Vinyl Chloride	62	2.902	2.902	(0.288)	560084	50.0000	43.94
5 Bromomethane	94	3.459	3.459	(0.344)	799136	50.0000	51.60
6 Chloroethane	64	3.546	3.546	(0.352)	492070	50.0000	53.01
7 Trichlorofluoromethane	101	3.876	3.876	(0.385)	1450019	50.0000	54.43
8 Diethyl ether	59	4.259	4.259	(0.423)	735775	100.000	102.4
9 1,1,2-Trichlorofluoroethane	101	4.450	4.450	(0.442)	1509519	50.0000	53.32
11 Acetone	43	4.554	4.554	(0.452)	128291	50.0000	53.04
12 1,1-Dichloroethene	96	4.693	4.693	(0.466)	732606	50.0000	52.81
13 Acetonitrile	41	4.919	4.919	(0.489)	141163	250.000	218.1
14 Iodomethane	142	5.145	5.145	(0.511)	1177928	50.0000	74.33
15 Methyl acetate	74	5.180	5.180	(0.515)	75538	50.0000	41.80
16 Allyl chloride	39	5.215	5.215	(0.518)	586867	50.0000	50.08
17 Methylene Chloride	84	5.389	5.389	(0.535)	1121014	50.0000	55.32
18 Carbon Disulfide	76	5.424	5.424	(0.539)	2586872	50.0000	58.83
19 Acrylonitrile	53	5.598	5.598	(0.556)	385328	250.000	207.9
20 MTBE	73	5.650	5.650	(0.561)	1558025	50.0000	51.04
21 trans-1,2-Dichloroethene	96	5.858	5.858	(0.582)	820857	50.0000	53.60
22 n-Hexane	57	5.963	5.963	(0.592)	1104359	50.0000	50.94
24 Vinyl acetate	43	6.554	6.554	(0.651)	1294256	50.0000	53.70

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GLCS4178.D
Report Date: 29-Nov-2006 14:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	6.554	6.554	(0.651)	1563953	50.0000	50.87
	25 2-Chloro-1,3-butadiene	53	6.710	6.710	(0.667)	1147180	50.0000	53.14
	27 2-Butanone	43	7.301	7.301	(0.725)	205145	50.0000	48.26
	28 Propionitrile	54	7.441	7.441	(0.739)	208252	250.000	225.9
	29 2,2-Dichloropropane	77	7.545	7.545	(0.750)	1272574	50.0000	49.04
	31 Ethyl acetate	43	7.614	7.614	(0.756)	1121255	100.000	92.30
	30 cis-1,2-Dichloroethene	96	7.632	7.632	(0.758)	891790	50.0000	52.80
	32 Methacrylonitrile	41	7.806	7.806	(0.775)	1692005	250.000	250.3
	33 Chloroform	83	7.927	7.927	(0.788)	1663743	50.0000	51.75
M	38 1,2-Dichloroethene (total)	96				1712647	100.000	106.4
	34 Bromochloromethane	128	8.240	8.240	(0.819)	530118	50.0000	51.79
	37 Tetrahydrofuran	71	8.345	8.345	(0.829)	253874	250.000	232.7
$	36 Dibromofluoromethane	113	8.345	8.345	(0.829)	1336015	50.0000	52.49
	39 1,1,1-Trichloroethane	97	8.710	8.710	(0.865)	1397788	50.0000	53.53
	35 Isobutanol	42	8.727	8.727	(0.867)	281445	1000.00	956.2
	40 Cyclohexane	84	8.727	8.727	(0.867)	977979	50.0000	53.23
	41 1,1-Dichloropropene	75	9.040	9.040	(0.898)	1390907	50.0000	51.32
	42 Carbon Tetrachloride	117	9.249	9.249	(0.919)	1130814	50.0000	51.90
	45 n-Butanol	56	9.353	9.353	(0.929)	158423	500.000	451.5
$	43 1,2-Dichloroethane-d4	67	9.353	9.353	(0.929)	424347	50.0000	50.66
	46 1,2-Dichloroethane	62	9.562	9.562	(0.950)	892822	50.0000	49.20
	47 Benzene	78	9.597	9.597	(0.953)	2459165	50.0000	49.91
*	48 Fluorobenzene	96	10.066	10.066	(1.000)	2959487	50.0000	
	49 Trichloroethene	130	10.970	10.970	(1.090)	1006313	50.0000	49.23
	50 Methylcyclohexane	55	11.109	11.109	(1.104)	1225570	50.0000	49.43
	51 1,2-Dichloropropane	63	11.388	11.388	(1.131)	1043415	50.0000	49.34
	52 Methyl methacrylate	69	11.614	11.614	(1.154)	478248	50.0000	47.28
	53 Bromodichloromethane	83	11.944	11.944	(1.187)	1764167	50.0000	52.13
	55 1,4-Dioxane	88	12.048	12.048	(1.197)	170345	1000.00	1043
	54 Dibromomethane	93	12.066	12.066	(1.199)	909824	50.0000	50.57
	56 2-Nitropropane	43	12.135	12.135	(1.206)	344048	50.0000	43.73
	57 2-chloroethyl vinyl ether	63	12.796	12.796	(1.271)	475157	50.0000	50.77
	58 4-Methyl-2-pentanone	43	12.865	12.865	(1.278)	1086920	50.0000	49.73
	59 cis-1,3-Dichloropropene	75	13.370	13.370	(1.328)	1461464	50.0000	49.71
$	61 Toluene-d8	98	13.996	13.996	(0.762)	2771984	50.0000	54.49
	62 Toluene	91	14.204	14.204	(0.773)	2931974	50.0000	50.35
	63 trans 1,3 Dichloropropene	75	14.761	14.761	(0.803)	1075943	50.0000	51.57
	64 Ethyl methacrylate	69	14.813	14.813	(0.806)	1102542	50.0000	52.50
	65 1,1,2-Trichloroethane	97	15.161	15.161	(0.825)	821847	50.0000	51.98
	66 2-Hexanone	43	15.282	15.282	(0.832)	510766	50.0000	49.56
	67 1,3-Dichloropropane	76	15.908	15.908	(0.866)	1359793	50.0000	51.55
	68 Tetrachloroethene	164	16.030	16.030	(0.872)	1039021	50.0000	53.16
	69 Chlorodibromomethane	129	16.586	16.586	(0.903)	1155006	50.0000	52.17
	70 1,2-Dibromoethane	107	17.178	17.178	(0.935)	1152005	50.0000	50.38
*	71 Chlorobenzene-d5	117	18.377	18.377	(1.000)	2093097	50.0000	
	72 Chlorobenzene	112	18.482	18.482	(1.006)	2173183	50.0000	51.33(A)
	73 1,1,1,2-Tetrachloroethane	131	18.655	18.655	(1.015)	911067	50.0000	52.81
	74 Ethylbenzene	106	18.725	18.725	(1.019)	979273	50.0000	51.34
	75 m,p-Xylenes	106	18.986	18.986	(1.033)	2605455	100.000	102.1
	76 o-Xylene	106	20.342	20.342	(1.107)	1240759	50.0000	51.68
	77 Styrene	104	20.481	20.481	(1.114)	2067915	50.0000	52.37
M	78 Xylenes (total)	106				3846214	150.000	153.8
	79 Bromoform	173	21.420	21.420	(1.166)	802336	50.0000	48.38
	80 Isopropylbenzene	105	21.559	21.559	(1.173)	3260486	50.0000	53.24

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GLCS4178.D
Report Date: 29-Nov-2006 14:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	81 Cyclohexanone	55	21.681	21.681	(1.180)	324286	500.000	438.0
	82 1,1,2,2-Tetrachloroethane	83	22.133	22.133	(1.204)	1402313	50.0000	53.05
$	83 4-Bromofluorobenzene	95	22.324	22.324	(0.899)	1790403	50.0000	50.50
	84 1,2,3-Trichloropropane	110	22.585	22.585	(0.910)	307155	50.0000	50.81
	85 Bromobenzene	156	22.794	22.794	(0.918)	945934	50.0000	50.12
	86 n-Propylbenzene	91	22.828	22.828	(0.919)	4491484	50.0000	49.72
	88 trans-1,4-dichloro-2-butene	53	22.846	22.846	(0.920)	227879	50.0000	50.19
	87 2-Chlorotoluene	91	23.176	23.176	(0.933)	2831466	50.0000	51.23
	89 1,3,5-Trimethylbenzene	105	23.228	23.228	(0.936)	2649003	50.0000	51.39
	90 4-Chlorotoluene	91	23.298	23.298	(0.938)	3168323	50.0000	44.41
	91 t-Butylbenzene	119	23.976	23.976	(0.966)	3096607	50.0000	51.38
	92 Pentachloroethane	167	24.028	24.028	(0.968)	353456	50.0000	47.68
	93 1,2,4-Trimethylbenzene	105	24.046	24.046	(0.968)	2377999	50.0000	49.84
	94 sec-Butylbenzene	105	24.359	24.359	(0.981)	4285263	50.0000	51.73
	95 4-Isopropyltoluene	119	24.602	24.602	(0.991)	2624175	50.0000	47.78
	96 1,3-Dichlorobenzene	146	24.689	24.689	(0.994)	1611430	50.0000	48.91
*	97 1,4 Dichlorobenzene-d4	152	24.828	24.828	(1.000)	1080274	50.0000	
	98 1,4-Dichlorobenzene	146	24.880	24.880	(1.002)	1830468	50.0000	49.10
	99 n-Butylbenzene	91	25.245	25.245	(1.017)	2644111	50.0000	45.95
	100 1,2-Dichlorobenzene	146	25.419	25.419	(1.024)	1637683	50.0000	50.43
	147 Nonanal	57	25.854	25.854	(1.041)	306484	50.0000	47.44(A)
	101 1,2-Dibromo-3-chloropropane	157	26.445	26.445	(1.065)	275150	50.0000	54.82
	103 1,2,4-Trichlorobenzene	180	27.401	27.401	(1.104)	662952	50.0000	43.81
	104 Hexachlorobutadiene	225	27.558	27.558	(1.110)	449049	50.0000	44.21
	105 Naphthalene	128	27.662	27.662	(1.114)	1347865	50.0000	50.15
	106 1,2,3-Trichlorobenzene	180	27.923	27.923	(1.125)	655131	50.0000	47.75

QC Flag Legend

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

Data File: \\Slsvr01\Chem\MSG.i\G061127C.b\GLCS4178.D
Report Date: 29-Nov-2006 14:09

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GLCS4178.D
Lab Smp Id: ICV050
Analysis Type: VOA
Quant Type: ISTD
Operator: SS
Method File: \\Slsvr01\Chem\MSG.i\G061127C.b\8260B-URS.m
Misc Info: VBLKG331C.B;

Calibration Date: 27-NOV-2006
Calibration Time: 21:57
Client Smp ID: ICV050
Level: LOW
Sample Type: WATER

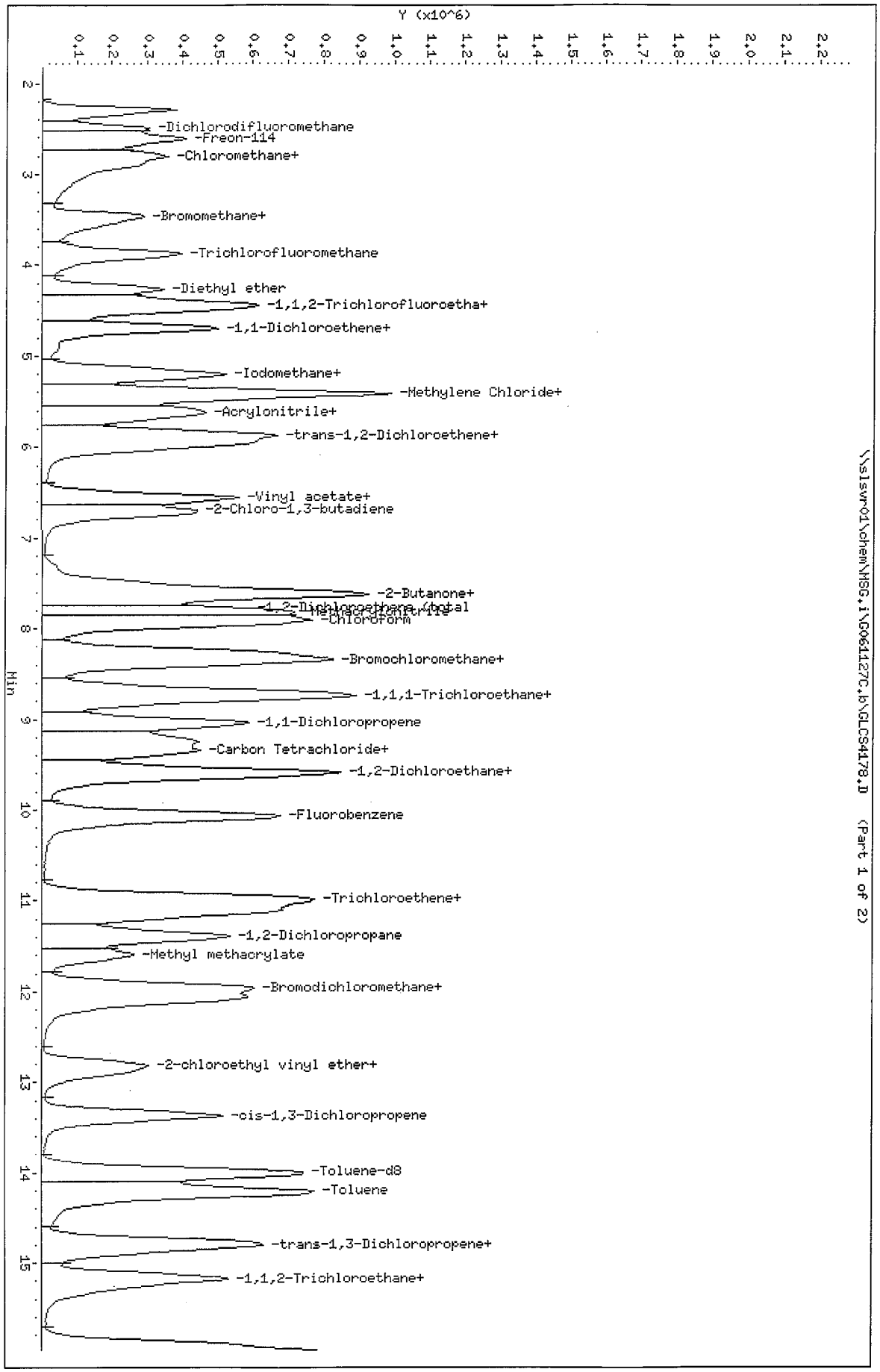
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3088621	1544311	6177242	2959487	-4.18
71 Chlorobenzene-d5	2420626	1210313	4841252	2093097	-13.53
97 1,4 Dichlorobenze	1211198	605599	2422396	1080274	-10.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.07	9.57	10.57	10.07	-0.00
71 Chlorobenzene-d5	18.34	17.84	18.84	18.38	0.19
97 1,4 Dichlorobenze	24.81	24.31	25.31	24.83	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\slsvr01\chem\MSG,i\G064127C,b\GLCS4178,D
Date : 28-NOV-2006 00:59
Client ID: ICV050
Sample Info: ICV050;G064127C,b
Purge Volume: 5.0
Column phase: RTX-502.2

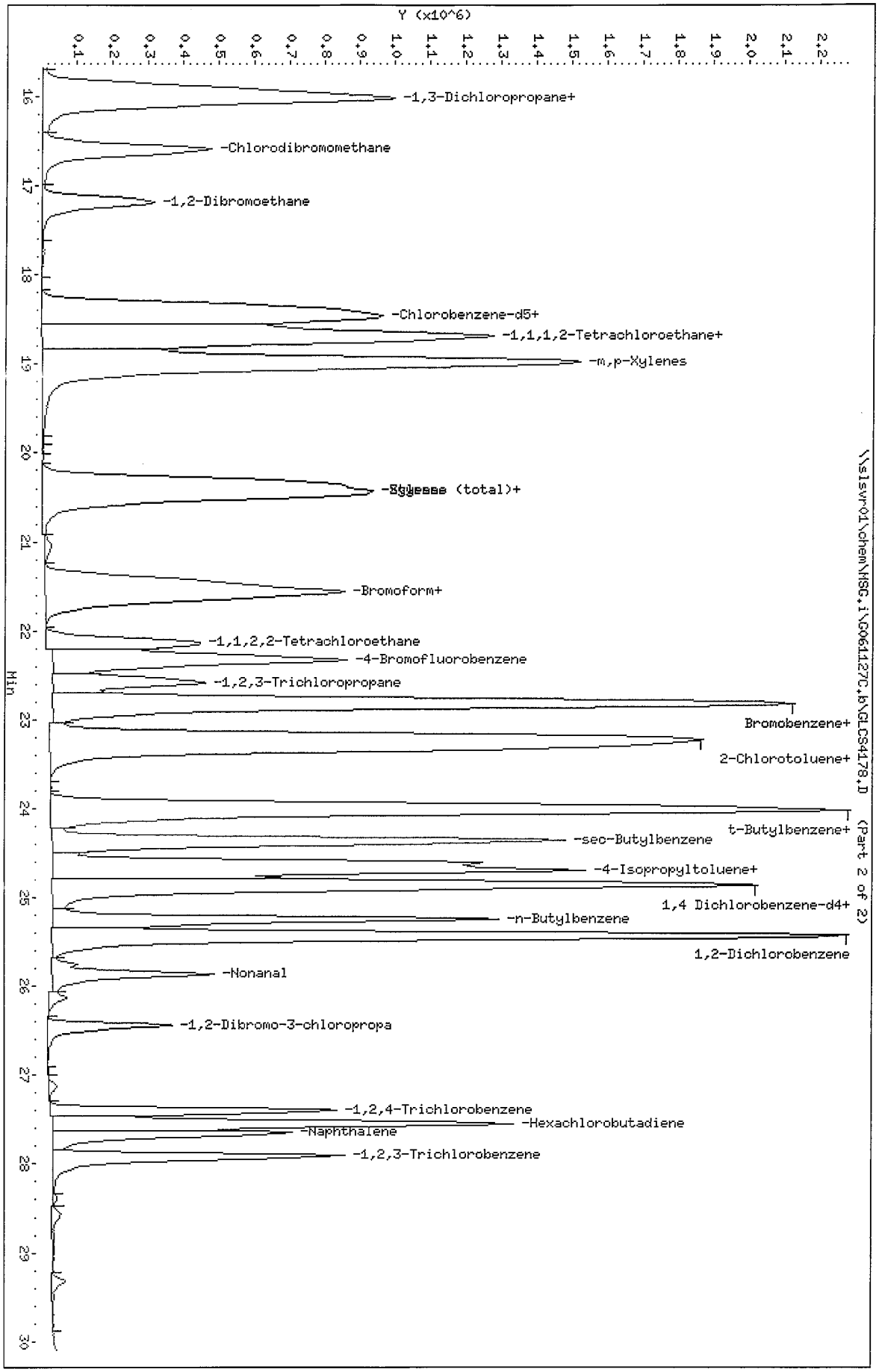
Instrument: MSG,i
Operator: SS
Column diameter: 0.53



\\slsvr01\chem\MSG,i\G064127C,b\GLCS4178,D (Part 1 of 2)

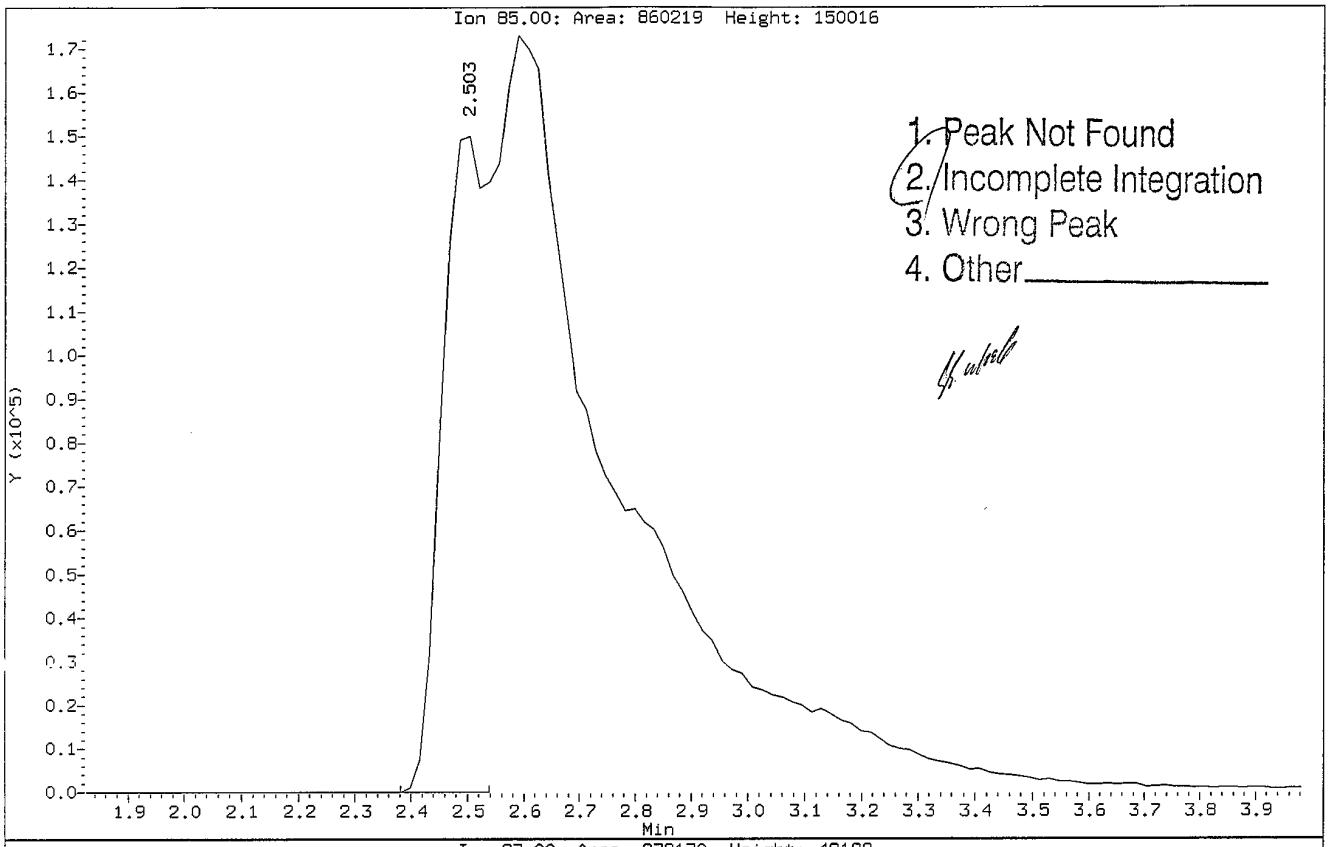
Data File: \\slsvr01\chem\MSG,i\G061127C,b\GLCS4178,D
Date : 28-NOV-2006 00:59
Client ID: ICV050
Sample Info: ICV050;G061127C,b
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: MSG,i
Operator: SS
Column diameter: 0.53

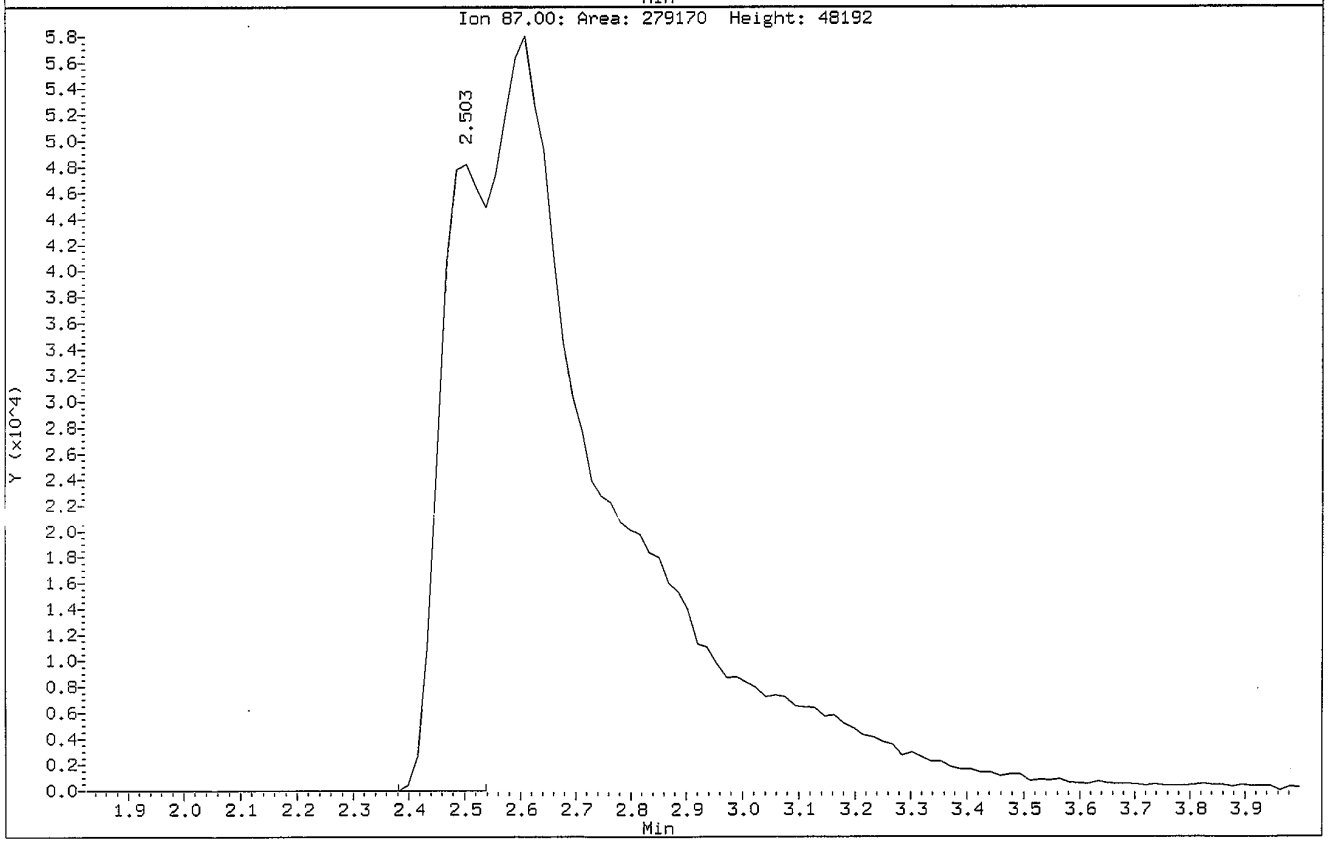


Data File: \\slsvr01\chem\MSG.i\G061127C.b\GLCS4178.D
Injection Date: 28-NOV-2006 00:59
Instrument: MSG.i
Client Sample ID: ICV050

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



Data File: \\slsvr01\chem\MSF.i\F061207A.b\FBFB0859.D

Date : 07-DEC-2006 13:16

Client ID: VBFB

Instrument: MSF.i

Sample Info: 50NG BFB;F061207A.B

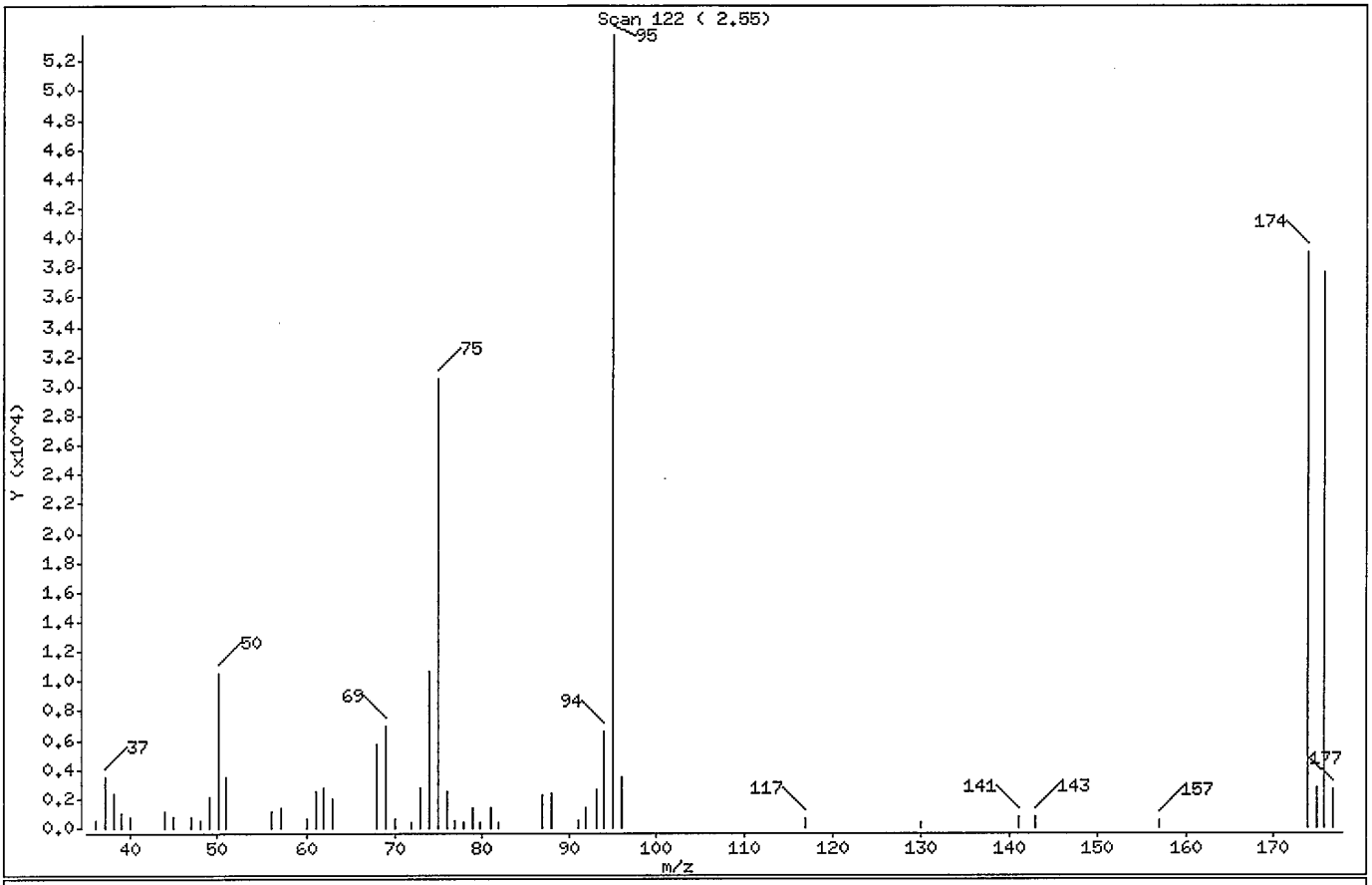
Volume Injected (uL): 5.0

Operator: JDH

Column phase: RTX-502.2

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.48
75	30.00 - 60.00% of mass 95	56.60
96	5.00 - 9.00% of mass 95	6.52
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	72.53
175	5.00 - 9.00% of mass 174	5.09 (7.02)
176	95.00 - 101.00% of mass 174	69.96 (96.45)
177	5.00 - 9.00% of mass 176	4.81 (6.87)

JMK 12-10-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FBFB0859.D

Page 1

Date : 07-DEC-2006 13:16

Client ID: VBFB

Instrument: MSF.i

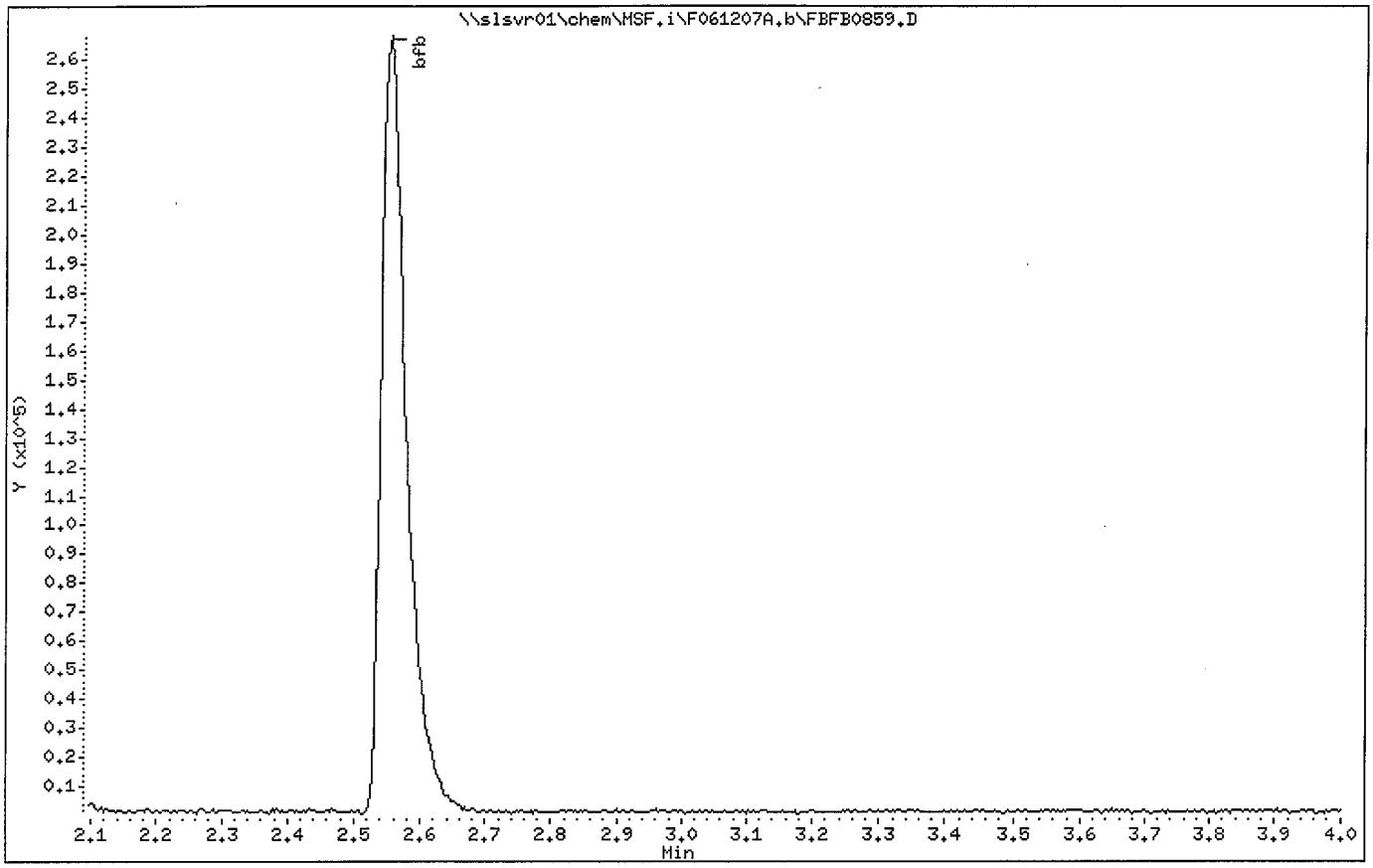
Sample Info: 50NG BFB;F061207A.B

Volume Injected (uL): 5.0

Operator: JDH

Column phase: RTX-502.2

Column diameter: 0.25



Data File: \\slsvr01\chem\MSF.i\F061207A.b\FBFB0859.D

Date : 07-DEC-2006 13:16

Client ID: VBFB

Instrument: MSF.i

Sample Info: 50NG BFB:F061207A.B

Volume Injected (uL): 5.0

Operator: JDH

Column phase: RTX-502.2

Column diameter: 0.25

Data File: FBFB0859.D
Spectrum: Scan 122 (2.55)
Location of Maximum: 95.00
Number of points: 49

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	462	57.10	1342	76.90	483	96.00	3507
37.10	3481	60.00	578	77.90	422	116.90	603
38.10	2369	61.10	2453	79.00	1421	130.00	318
39.00	1032	62.00	2779	79.90	399	140.90	709
40.00	768	63.10	1928	81.00	1418	142.90	797
44.00	1162	68.00	5744	81.80	359	156.90	443
45.00	696	69.00	6981	86.90	2288	173.90	39000
47.00	693	70.10	606	87.90	2400	174.90	2736
48.10	463	72.00	322	91.00	443	175.90	37616
49.10	2046	73.00	2764	91.90	1412	176.90	2584
50.10	10476	74.00	10660	93.00	2621		
51.00	3479	75.10	30432	94.00	6583		
56.10	1152	76.00	2487	95.00	53768		

Report Date : 12-Dec-2006 13:18

STL St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2006 13:40
End Cal Date : 07-DEC-2006 16:31
Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Calibration File Names:
Level 1: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Level 2: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0861.D
Level 3: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0862.D
Level 4: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0863.D
Level 5: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0864.D
Level 6: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0865.D
Level 7: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0866.D
Level 8: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0867.D

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
1 Dichlorodifluoromethane	0.41260	0.44570	0.42461	0.43365	0.39261	0.41281						
	0.37333	0.33027					AVRG		0.40320		9.23071	
2 Freon-114	+++++	0.18839	0.17376	0.18167	0.16525	0.16937						
	0.15713	0.14620					AVRG		0.16882		8.49565	<-
3 Chloromethane	0.54627	0.52758	0.49597	0.53225	0.47083	0.47816						
	0.42842	0.41341					AVRG		0.48661		9.96916	
4 Vinyl Chloride	0.58799	0.69594	0.65256	0.68847	0.63491	0.62630						
	0.56855	0.50247					AVRG		0.61965		10.43367	

Report Date : 12-Dec-2006 13:18

STL St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2006 13:40
End Cal Date : 07-DEC-2006 16:31
Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
5 Bromomethane	0.49886	0.51906	0.42073	0.52838	0.47723	0.37117					
	0.20394	0.21267					AVRG		0.40400		32.55105
6 Chloroethane	+++++	0.43649	0.41116	0.41702	0.39743	0.38872					
	0.27644	+++++					AVRG		0.38788		14.70387
7 Trichlorofluoromethane	0.80830	0.81915	0.79711	0.79771	0.72501	0.74513					
	0.72084	0.62811					AVRG		0.75517		8.49656
8 Diethyl ether	0.27779	0.28169	0.26503	0.29398	0.27222	0.27579					
	0.25744	0.22125					AVRG		0.26815		8.14834
9 1,1-Dichloroethene	0.25855	0.26812	0.28265	0.27363	0.24782	0.27064					
	0.25361	0.30278					AVRG		0.26973		6.48685
10 Carbon Disulfide	1.05883	1.07741	1.02594	1.02268	0.93942	1.00690					
	0.92804	1.03379					AVRG		1.01163		5.23012
11 1,1,2-Trichlorofluoroethane	0.11913	0.20374	0.18613	0.18419	0.17171	0.19098					
	0.17366	0.20653					AVRG		0.17951		15.26392

Report Date : 12-Dec-2006 13:18

STL St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2006 13:40
End Cal Date : 07-DEC-2006 16:31
Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
12 Iodomethane	0.26446	0.28121	0.29401	0.29300	0.26276	0.28144						
	0.26448	0.27741					AVRG		0.27735		4.51753	
13 Acrolein	+++++	0.00654	0.00723	0.00867	0.00826	0.00837						
	0.00806	0.00756					AVRG		0.00781		9.52583	
14 Allyl chloride	0.27325	0.30411	0.33596	0.32872	0.31651	0.33305						
	0.30479	0.28043					AVRG		0.30960		7.60847	
15 Methylene Chloride	+++++	32622	46299	64523	109851	248223						
	471276	1036703					LINR	-0.17665	0.27613		0.99893	
16 Acetone	+++++	+++++	7285	11742	20737	42542						
	88613	170499					LINR	-0.24249	0.04601		0.99124	
17 trans-1,2-Dichloroethene	0.27135	0.30764	0.29313	0.28520	0.26588	0.28033						
	0.26932	0.26158					AVRG		0.27930		5.55860	
18 Methyl Acetate	+++++	+++++	0.03129	0.03689	0.03448	0.03924						
	0.03592	0.03670					AVRG		0.03575		7.49481	<-

Report Date : 12-Dec-2006 13:18

STL St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2006 13:40
End Cal Date : 07-DEC-2006 16:31
Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
19 n-Hexane	+++++	0.08729	0.07460	0.08346	0.07762	0.08444						
	0.08276	0.07930					AVRG		0.08135		5.38186	<-
20 MTBE	0.64994	0.69145	0.65876	0.77323	0.74722	0.75738						
	0.71916	0.67133					AVRG		0.70856		6.69799	
21 Acetonitrile	+++++	+++++	0.02491	0.02687	0.02809	0.02613						
	0.02700	0.01807					AVRG		0.02518		14.43966	
22 2-Chloro-1,3-butadiene	0.30945	0.36059	0.37777	0.38910	0.40194	0.44828						
	0.42758	0.41048					AVRG		0.39065		10.97690	
23 1,1-Dichloroethane	0.58572	0.59442	0.56883	0.59465	0.55690	0.57695						
	0.54246	0.50992					AVRG		0.56623		5.13879	
24 Acrylonitrile	0.06772	0.06679	0.06426	0.07340	0.07222	0.07646						
	0.07195	0.06647					AVRG		0.06991		5.99197	
25 Vinyl acetate	+++++	0.35242	0.35868	0.43087	0.44010	0.46262						
	0.46162	0.43768					AVRG		0.42057		10.94237	<-

Report Date : 12-Dec-2006 13:18

STL St. Louis

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Target Version : 4.10
Integrator : HP RTE
Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
M 26 1,2-Dichloroethene (total)	0.26423	0.29147	0.28601	0.29546	0.27867	0.29194						
	0.27877	0.26952					AVRG		0.28201		3.97262	
27 cis-1,2-Dichloroethene	0.25712	0.27530	0.27889	0.30573	0.29147	0.30354						
	0.28822	0.27746					AVRG		0.28472		5.61795	
28 2,2-Dichloropropane	0.34474	0.42954	0.39059	0.41617	0.39937	0.41115						
	0.35587	0.32236					AVRG		0.38372		9.97630	
29 Cyclohexane	0.35049	0.34410	0.39778	0.41418	0.39822	0.43235						
	0.41357	0.40501					AVRG		0.39446		7.89881	
30 Bromochloromethane	0.11201	0.12965	0.11281	0.12535	0.11679	0.11990						
	0.11266	0.11290					AVRG		0.11776		5.66809	
31 Chloroform	0.55338	0.54484	0.52543	0.54637	0.50987	0.51866						
	0.48255	0.45396					AVRG		0.51688		6.64110	
33 Ethyl acetate	+++++	+++++	0.02571	0.03247	0.03126	0.03248						
	0.03186	0.02990					AVRG		0.03061		8.44190	<-

Report Date : 12-Dec-2006 13:18

STL St. Louis

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Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
38 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	
32 Carbon Tetrachloride	0.38442	0.38062	0.37173	0.39476	0.37366	0.38789						
	0.36006	0.33878					AVRG		0.37399		4.75793	
34 Tetrahydrofuran	0.02022	0.01829	0.01882	0.02485	0.02470	0.02720						
	0.02565	0.02432					AVRG		0.02300		14.70518	
36 1,1,1-Trichloroethane	0.41911	0.44301	0.45448	0.46301	0.44342	0.46410						
	0.42856	0.40354					AVRG		0.43990		4.88838	
37 2-Butanone	+++++	+++++	5517	12507	26213	64286						
	141476	301651					LINR	-0.05535	0.08357		0.99770	<-
39 1,1-Dichloropropene	0.34739	0.34644	0.36463	0.38890	0.37435	0.39647						
	0.37783	0.36261					AVRG		0.36983		4.88820	
40 Benzene	1.22544	1.13968	1.14407	1.21246	1.14816	1.17588						
	1.12363	1.07879					AVRG		1.15601		4.12075	

Report Date : 12-Dec-2006 13:18

STL St. Louis

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Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
41 Propionitrile	+++++	0.01978	0.02543	0.03082	0.03089	0.02939						
	0.02950	0.02645					AVRG		0.02747		14.48833	
42 Methacrylonitrile	+++++	0.11001	0.10315	0.13716	0.13443	0.13767						
	0.12938	0.11928					AVRG		0.12444		11.12211	
44 1,2-Dichloroethane	0.28286	0.38039	0.34093	0.38834	0.36160	0.35539						
	0.32967	0.30122					AVRG		0.34255		10.75165	
45 Isobutanol	+++++	0.00721	0.00725	0.01020	0.00979	0.00998						
	0.01081	0.00865					AVRG		0.00913		15.86614	<-
47 Methylcyclohexane	0.39949	0.42544	0.42775	0.46979	0.43568	0.47305						
	0.44897	0.43320					AVRG		0.43917		5.52569	
48 Trichloroethene	0.26908	0.27971	0.26760	0.28078	0.26528	0.27649						
	0.26712	0.26347					AVRG		0.27119		2.49748	
49 n-Butanol	+++++	+++++	0.00384	0.00476	0.00468	0.00515						
	0.00619	0.00434					AVRG		0.00483		16.55425	<-

Report Date : 12-Dec-2006 13:18

STL St. Louis

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Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
50 Dibromomethane	0.13799	0.12969	0.13386	0.14285	0.13123	0.13454						
	0.12892	0.12438					AVRG		0.13293		4.31170	
51 1,2-Dichloropropane	0.26143	0.29072	0.28092	0.29956	0.28066	0.29283						
	0.28364	0.27250					AVRG		0.28278		4.25947	
52 Bromodichloromethane	0.34633	0.35591	0.35256	0.37660	0.37074	0.37672						
	0.35589	0.34177					AVRG		0.35957		3.75647	
53 Methyl methacrylate	+++++	0.07985	0.09317	0.11208	0.11121	0.12944						
	0.13739	0.13543					AVRG		0.11408		19.12638	<-
54 1,4-Dioxane	+++++	+++++	0.00089	0.00148	0.00148	0.00132						
	0.00193	0.00157					AVRG		0.00145		23.60221	<-
55 2-Chloroethylvinyl ether	0.06763	0.06289	0.08191	0.09438	0.10444	0.11941						
	0.12861	0.12676					AVRG		0.09825		26.34616	
56 cis-1,3-Dichloropropene	0.34004	0.33258	0.33599	0.40185	0.39968	0.42652						
	0.42517	0.40872					AVRG		0.38382		10.58673	

Report Date : 12-Dec-2006 13:18

STL St. Louis

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Integrator : HP RTE
Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1	2.0000 Level 2	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	100.0000 Level 7	200.0000 Level 8									
58 Toluene	1.07460	1.02305	1.00306	1.14355	1.06687	1.10206					
	1.04673	0.97878					AVRG		1.05484		5.08976
59 2-Nitropropane	1217	1966	5412	14133	26682	74225					
	170163	366735					LINR	-0.04006	0.15422		0.99485
60 Tetrachloroethene	0.30283	0.28345	0.29125	0.32728	0.29760	0.31678					
	0.28566	0.28028					AVRG		0.29814		5.60801
62 4-Methyl-2-pentanone	0.15124	0.10479	0.13018	0.18778	0.19040	0.20589					
	0.21220	0.19559					AVRG		0.17226		22.59622
63 trans-1,3-Dichloropropene	0.34748	0.47571	0.44978	0.55836	0.55747	0.56144					
	0.53537	0.49038					AVRG		0.49700		14.85048
64 1,1,2-Trichloroethane	0.22758	0.26321	0.26146	0.28216	0.27912	0.27015					
	0.25837	0.23982					AVRG		0.26023		7.16358
65 Ethyl methacrylate	0.26973	0.27247	0.28310	0.39269	0.41590	0.45385					
	0.46164	0.43742					AVRG		0.37335		22.55170

Report Date : 12-Dec-2006 13:18

STL St. Louis

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Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
66 Chlorodibromomethane	0.33907	0.30815	0.30541	0.35660	0.34274	0.35126						
	0.33174	0.30697					AVRG		0.33024		6.28900	
67 1,3-Dichloropropane	0.59147	0.58789	0.55908	0.62477	0.60261	0.58341						
	0.55579	0.50753					AVRG		0.57657		6.18521	
68 1,2-Dibromoethane	0.20342	0.25326	0.24179	0.27941	0.26671	0.27149						
	0.25749	0.23646					AVRG		0.25125		9.60999	
69 2-Hexanone	+++++	+++++	0.12514	0.19498	0.18461	0.18938						
	0.19326	0.17849					AVRG		0.17765		14.86848	<-
71 Chlorobenzene	1.12437	1.19884	1.10623	1.15979	1.06656	1.09464						
	1.05705	1.03161					AVRG		1.10489		5.01062	
72 Ethylbenzene	2.09746	2.23506	2.08996	2.23260	2.08060	2.10861						
	2.02672	1.90389					AVRG		2.09686		5.10258	
73 1,1,1,2-Tetrachloroethane	0.39370	0.40689	0.38969	0.40786	0.39079	0.39695						
	0.36675	0.34985					AVRG		0.38781		5.13970	

Report Date : 12-Dec-2006 13:18

STL St. Louis

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Target Version : 4.10
Integrator : HP RTE
Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
74 m,p-Xylenes	0.68136	0.70155	0.71373	0.78840	0.74164	0.78963					
	0.77659	0.77172					AVRG		0.74558		5.67025
75 o-Xylene	0.61183	0.69233	0.66160	0.72883	0.71606	0.76001					
	0.73854	0.71452					AVRG		0.70296		6.72078
76 Styrene	0.77611	0.87038	0.90804	1.10596	1.05754	1.14900					
	1.14675	1.13549					AVRG		1.01866		14.33364
77 Bromoform	0.28096	0.31900	0.33794	0.37767	0.36638	0.39288					
	0.37683	0.35417					AVRG		0.35073		10.49206
78 Isopropylbenzene	1.40908	1.49985	1.60781	1.80853	1.73143	1.85591					
	1.77849	1.63500					AVRG		1.66576		9.39041
80 Bromobenzene	0.72854	0.73702	0.76930	0.81466	0.78966	0.85244					
	0.83712	0.85805					AVRG		0.79835		6.31852
81 n-Propylbenzene	4.00015	4.27469	4.86714	5.14635	4.97508	5.39953					
	5.15929	4.67530					AVRG		4.81219		9.85306

Report Date : 12-Dec-2006 13:18

STL St. Louis

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Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
82 1,1,2,2-Tetrachloroethane	+++++	0.79993	0.75868	0.93444	0.83907	0.84174						
	0.78732	0.69714					AVRG		0.80833		9.21729	<-
83 2-Chlorotoluene	0.83807	0.88871	0.91878	0.98670	0.96571	1.04120						
	1.05236	1.05575					AVRG		0.96841		8.38181	
84 1,3,5-Trimethylbenzene	2.61061	2.92483	3.31768	3.59768	3.51986	3.89084						
	3.74160	3.53461					AVRG		3.39222		12.62750	
85 1,2,3-Trichloropropane	+++++	0.85459	0.72524	0.83756	0.78570	0.85058						
	0.69221	0.63764					AVRG		0.76907		11.13826	<-
86 trans-1,4-dichloro-2-butene	+++++	2193	4158	9388	19836	46240						
	102207	220391					LINR	-0.09228	0.19183		0.99382	<-
87 Cyclohexanone	+++++	0.03149	0.01755	0.02029	0.01747	0.01700						
	0.01614	0.01194					AVRG		0.01884		32.44397	<-
88 4-Chlorotoluene	0.87942	0.84175	0.82804	0.90463	0.86192	0.87850						
	0.88900	0.86602					AVRG		0.86866		2.86873	

Report Date : 12-Dec-2006 13:18

STL St. Louis

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Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
89 t-Butylbenzene	2.73046	2.94134	3.10141	3.34736	3.42493	3.72228					
	3.62181	3.43070					AVRG		3.29004		10.32961
90 Pentachloroethane	0.46099	0.50244	0.52275	0.52328	0.51820	0.54739					
	0.57500	0.57099					AVRG		0.52763		7.06306
91 1,2,4-Trimethylbenzene	3.09210	3.21813	3.45725	3.69344	3.55124	3.86183					
	3.71081	3.44927					AVRG		3.50426		7.35892
92 sec-Butylbenzene	3.72918	4.23546	4.34107	4.72385	4.63631	5.01104					
	4.79850	4.26996					AVRG		4.46817		9.08381
93 4-Isopropyltoluene	2.68367	3.01709	3.33787	3.56973	3.51046	3.84443					
	3.74188	3.45960					AVRG		3.39559		11.25506
94 1,3-Dichlorobenzene	1.78088	1.70092	1.65152	1.74429	1.61216	1.69472					
	1.62230	1.57517					AVRG		1.67275		4.18324
96 1,4-Dichlorobenzene	2.22479	1.94971	1.85545	1.86308	1.71482	1.75691					
	1.67052	1.63178					AVRG		1.83338		10.41391

Report Date : 12-Dec-2006 13:18

STL St. Louis

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Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
97 2-Butoxyethanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	
98 n-Butylbenzene	3.42693	3.60517	3.65541	3.97587	3.73650	4.08523						
	3.89569	+++++					AVRG		3.76869		6.09577	
99 1,2-Dichlorobenzene	1.69389	1.69186	1.62525	1.68873	1.58497	1.66574						
	1.56447	1.50739					AVRG		1.62779		4.27964	
145 Nonanal	+++++	0.19589	0.28896	0.35095	0.39655	0.53051						
	0.51262	0.46431					AVRG		0.39140		31.24635	<-
100 1,2-Dibromo-3-chloropropane	+++++	0.08793	0.09796	0.14619	0.13876	0.14868						
	0.13979	0.12743					AVRG		0.12668		19.09069	<-
102 4-Chlorophenyl methyl sulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	
61 Dimethyl Disulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	

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STL St. Louis

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Integrator : HP RTE
Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1 / 100.0000 Level 7	2.0000 Level 2 / 200.0000 Level 8	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
101 Hexachlorobutadiene	0.62630	0.59701	0.57782	0.61192	0.58298	0.61984					
	0.62200	0.57598					AVRG		0.60173		3.47209
103 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
104 1,2,4-Trichlorobenzene	1.24735	1.17846	1.11451	1.13567	1.11010	1.22061					
	1.16831	1.11327					AVRG		1.16103		4.49187
105 Naphthalene	2.74307	2.58703	2.26930	2.83869	2.68433	2.84589					
	2.73042	2.41138					AVRG		2.63876		7.78119
106 1,2,3-Trichlorobenzene	1.09938	1.20727	1.03899	1.13360	1.05398	1.13405					
	1.07793	1.00897					AVRG		1.09427		5.79486
M 107 Xylenes (total)	0.65818	0.69848	0.69636	0.76855	0.73311	0.77976					
	0.76390	0.75265					AVRG		0.73137		5.87008
$ 35 Dibromofluoromethane	+++++	0.21986	0.21874	0.23424	0.22528	0.22971					
	0.22136	0.21094					AVRG		0.22288		3.43914 <-

Report Date : 12-Dec-2006 13:18

STL St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2006 13:40
End Cal Date : 07-DEC-2006 16:31
Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Compound	1.0000 Level 1	2.0000 Level 2	5.0000 Level 3	10.0000 Level 4	20.0000 Level 5	50.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	100.0000 Level 7	200.0000 Level 8									
$ 43 1,2-Dichloroethane-d4	0.28976	0.29138	0.30521	0.32401	0.30853	0.30241					
	0.27896	0.25046					AVRG		0.29384		7.56049
$ 57 Toluene-d8	1.30166	1.33978	1.42057	1.48135	1.43811	1.50921					
	1.42691	1.31057					AVRG		1.40352		5.54135
$ 79 4-Bromofluorobenzene	1.07862	0.96552	1.07237	1.05040	1.05331	1.08301					
	1.05638	1.00823					AVRG		1.04598		3.82645

Report Date : 12-Dec-2006 13:18

STL St. Louis

INITIAL CALIBRATION DATA

Start Cal Date : 07-DEC-2006 13:40
End Cal Date : 07-DEC-2006 16:31
Quant Method : ISTD
Target Version : 4.10
Integrator : HP RTE
Method file : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Cal Date : 12-Dec-2006 13:15 hannj

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + Rsp/ml	Response

Data File: \\slsvr01\chem\MSF.i\F061207A.b/FCAL0865.D Pa
Report Date: 12/12/2006

INITIAL CALIBRATION REPORT

Instrument ID: MSF.i
Lab File ID: FCAL0865.D
Analysis Type: WATER

Injection Date: 07-DEC-2006 15:42
Lab Sample ID: VSTD050
Method File: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F

COMPOUND	%RSD
Dichlorodifluoromethane	9.2
Freon-114	8.5
Chloromethane	10.0
Vinyl Chloride	10.4
Bromomethane	32.6
Chloroethane	14.7
Trichlorofluoromethane	8.5
Diethyl ether	8.1
1,1-Dichloroethene	6.5
Carbon Disulfide	5.2
1,1,2-Trichlorofluoroethane	15.3
Iodomethane	4.5
Acrolein	9.5
Allyl chloride	7.6
Methylene Chloride	1.0
Acetone	1.0
trans-1,2-Dichloroethene	5.6
Methyl Acetate	7.5
n-Hexane	5.4
MTBE	6.7
Acetonitrile	14.4
2-Chloro-1,3-butadiene	11.0
1,1-Dichloroethane	5.1
Acrylonitrile	6.0
Vinyl acetate	10.9
1,2-Dichloroethene (total)	4.0
cis-1,2-Dichloroethene	5.6
2,2-Dichloropropane	10.0
Cyclohexane	7.9
Bromochloromethane	5.7
Chloroform	6.6
Ethyl acetate	8.4
Carbon Tetrachloride	4.8
Tetrahydrofuran	14.7
Dibromofluoromethane	3.4
1,1,1-Trichloroethane	4.9
Heptane	0.0
2-Butanone	1.0
1,1-Dichloropropene	4.9

JMT 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b/FCAL0865.D
Report Date: 12/12/2006

INITIAL CALIBRATION REPORT

Instrument ID: MSF.i
Lab File ID: FCAL0865.D
Analysis Type: WATER

Injection Date: 07-DEC-2006 15:42
Lab Sample ID: VSTD050
Method File: \\slsvr01\chem\MSF.i\F061207A.b\

COMPOUND	%RSD
Benzene	4.1
Propionitrile	14.5
Methacrylonitrile	11.1
1,2-Dichloroethane-d4	7.6
1,2-Dichloroethane	10.8
Isobutanol	15.9
Methylcyclohexane	5.5
Trichloroethene	2.5
n-Butanol	16.6
Dibromomethane	4.3
1,2-Dichloropropane	4.3
Bromodichloromethane	3.8
Methyl methacrylate	19.1
1,4-Dioxane	23.6
2-Chloroethylvinyl ether	26.3
cis-1,3-Dichloropropene	10.6
Toluene-d8	5.5
Toluene	5.1
2-Nitropropane	1.0
Tetrachloroethene	5.6
4-Methyl-2-pentanone	22.6
trans-1,3-Dichloropropene	14.9
1,1,2-Trichloroethane	7.2
Ethyl methacrylate	22.6
Chlorodibromomethane	6.3
1,3-Dichloropropane	6.2
1,2-Dibromoethane	9.6
2-Hexanone	14.9
Chlorobenzene	5.0
Ethylbenzene	5.1
1,1,1,2-Tetrachloroethane	5.1
m,p-Xylenes	5.7
o-Xylene	6.7
Styrene	14.3
Bromoform	10.5
Isopropylbenzene	9.4
4-Bromofluorobenzene	3.8
Bromobenzene	6.3
n-Propylbenzene	9.9

Data File: \\slsvr01\chem\MSF.i\F061207A.b/FCAL0865.D
Report Date: 12/12/2006

INITIAL CALIBRATION REPORT

Instrument ID: MSF.i
Lab File ID: FCAL0865.D
Analysis Type: WATER

Injection Date: 07-DEC-2006 15:42
Lab Sample ID: VSTD050
Method File: \\slsvr01\chem\MSF.i\F061207A.b\

COMPOUND	%RSD
1,1,2,2-Tetrachloroethane	9.2
2-Chlorotoluene	8.4
1,3,5-Trimethylbenzene	12.6
1,2,3-Trichloropropane	11.1
trans-1,4-dichloro-2-butene	1.0
Cyclohexanone	32.4
4-Chlorotoluene	2.9
t-Butylbenzene	10.3
Pentachloroethane	7.1
1,2,4-Trimethylbenzene	7.4
sec-Butylbenzene	9.1
4-Isopropyltoluene	11.3
1,3-Dichlorobenzene	4.2
1,4-Dichlorobenzene	10.4
2-Butoxyethanol	0.0
n-Butylbenzene	6.1
1,2-Dichlorobenzene	4.3
Nonanal	31.2
1,2-Dibromo-3-chloropropane	19.1
4-Chlorophenyl methyl sulfide	0.0
Hexachlorobutadiene	3.5
Dimethyl Disulfide	0.0
1,2,4-Trichlorobenzene	4.5
1,3,5-Trichlorobenzene	0.0
Naphthalene	7.8
1,2,3-Trichlorobenzene	5.8
Xylenes (total)	5.9

The average of all %RSD's in the initial calibration is 8.7

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Report Date: 07-Dec-2006 16:04

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Lab Smp Id: VSTD001
Inj Date : 07-DEC-2006 13:40
Operator : JDH Inst ID: MSF.i
Smp Info : VSTD001;F061207A.B
Misc Info : VBLKF341A.B;
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Meth Date : 07-Dec-2006 16:02 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 13:40 Cal File: FCAL0860.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.900	1.900	(0.255)	5448	1.00000	0.9781(a)
3 Chloromethane	50	2.086	2.086	(0.280)	7213	1.00000	1.062(a)
4 Vinyl Chloride	62	2.179	2.179	(0.292)	7764	1.00000	0.9019(a)
5 Bromomethane	94	2.494	2.494	(0.334)	6587	1.00000	1.020(a)
6 Chloroethane	64	2.629	2.629	(0.352)	5513	1.00000	1.005(a)
7 Trichlorofluoromethane	101	2.772	2.772	(0.372)	10673	1.00000	1.024(a)
8 Diethyl ether	74	3.073	3.073	(0.412)	7336	2.00000	1.997(a)
9 1,1-Dichloroethene	96	3.309	3.309	(0.443)	3414	1.00000	0.9714(a)
10 Carbon Disulfide	76	3.352	3.352	(0.449)	13981	1.00000	1.033(a)
11 1,1,2-Trichlorofluoroethane	151	3.373	3.373	(0.452)	1573	1.00000	0.6887(a)
12 Iodomethane	142	3.480	3.480	(0.466)	3492	1.00000	0.9476(a)
14 Allyl chloride	39	3.874	3.874	(0.519)	3608	1.00000	0.8766(a)
15 Methylene Chloride	84	4.017	4.017	(0.538)	29079	1.00000	1.030(a)
16 Acetone	43	4.088	4.088	(0.548)	4914	1.00000	2.204
17 trans-1,2-Dichloroethene	96	4.224	4.224	(0.566)	3583	1.00000	0.9533(a)
20 MTBE	73	4.367	4.367	(0.585)	8582	1.00000	0.9230(a)
21 Acetonitrile	41	4.724	4.724	(0.633)	2622	5.00000	7.459(M)
22 2-Chloro-1,3-butadiene	53	5.061	5.061	(0.678)	4086	1.00000	0.8414(aM)
23 1,1-Dichloroethane	63	5.096	5.096	(0.683)	7734	1.00000	1.010(a)
24 Acrylonitrile	53	5.175	5.175	(0.693)	4471	5.00000	4.916
M 26 1,2-Dichloroethene (total)	96				6978	2.00000	1.866(a)
27 cis-1,2-Dichloroethene	96	5.826	5.826	(0.781)	3395	1.00000	0.9127(a)

JHK 12-10-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Report Date: 07-Dec-2006 16:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	28 2,2-Dichloropropane	77	5.983	5.983	(0.802)	4552	1.00000	0.8704(a)
	29 Cyclohexane	84	6.097	6.097	(0.817)	4628	1.00000	0.9200(a)
	30 Bromochloromethane	128	6.083	6.083	(0.815)	1479	1.00000	0.9387(aM)
	31 Chloroform	83	6.190	6.190	(0.829)	7307	1.00000	1.032(a)
	32 Carbon Tetrachloride	117	6.362	6.362	(0.852)	5076	1.00000	1.009(a)
	34 Tetrahydrofuran	71	6.405	6.405	(0.858)	1335	5.00000	4.730
	36 1,1,1-Trichloroethane	97	6.455	6.455	(0.865)	5534	1.00000	0.9426(a)
	39 1,1-Dichloropropene	75	6.612	6.612	(0.886)	4587	1.00000	0.9535(a)
	40 Benzene	78	6.934	6.934	(0.929)	16181	1.00000	1.044(aH)
	42 Methacrylonitrile	41	7.012	7.012	(0.940)	6591	5.00000	4.119(M)
$	43 1,2-Dichloroethane-d4	65	7.113	7.113	(0.953)	3826	1.00000	0.9538(a)
	44 1,2-Dichloroethane	62	7.198	7.198	(0.965)	3735	1.00000	0.8063(a)
*	46 Fluorobenzene	96	7.463	7.463	(1.000)	660210	50.0000	
	47 Methylcyclohexane	55	7.649	7.649	(1.025)	5275	1.00000	0.9255(a)
	48 Trichloroethene	95	7.656	7.656	(1.026)	3553	1.00000	0.9875(a)
	49 n-Butanol	56	7.649	7.649	(1.025)	1418	10.0000	9.106
	50 Dibromomethane	93	8.178	8.178	(1.096)	1822	1.00000	1.021(a)
	51 1,2-Dichloropropane	63	8.307	8.307	(1.113)	3452	1.00000	0.9249(a)
	52 Bromodichloromethane	83	8.378	8.378	(1.123)	4573	1.00000	0.9609(aM)
	55 2-Chloroethylvinyl ether	63	9.100	9.100	(1.219)	893	1.00000	0.8223(a)
	56 cis-1,3-Dichloropropene	75	9.165	9.165	(1.228)	4490	1.00000	0.9393(a)
$	57 Toluene-d8	98	9.365	9.365	(0.858)	9912	1.00000	0.9322(a)
	58 Toluene	92	9.429	9.429	(0.864)	8183	1.00000	1.012(a)
	59 2-Nitropropane	43	9.687	9.687	(0.888)	1217	1.00000	1.186(a)
	60 Tetrachloroethene	164	9.837	9.837	(0.902)	2306	1.00000	1.008(a)
	62 4-Methyl-2-pentanone	43	9.844	9.844	(1.319)	1997	1.00000	0.9893(a)
	63 trans-1,3-Dichloropropene	75	9.887	9.887	(0.906)	2646	1.00000	0.7273(a)
	64 1,1,2-Trichloroethane	83	10.044	10.044	(0.921)	1733	1.00000	0.8663(a)
	65 Ethyl methacrylate	69	10.051	10.051	(0.921)	2054	1.00000	0.8254(a)
	66 Chlorodibromomethane	129	10.209	10.209	(0.936)	2582	1.00000	1.026(aM)
	67 1,3-Dichloropropane	76	10.309	10.309	(0.945)	4504	1.00000	0.9971(a)
	68 1,2-Dibromoethane	107	10.452	10.452	(0.958)	1549	1.00000	0.8172(a)
*	70 Chlorobenzene-d5	117	10.909	10.909	(1.000)	380746	50.0000	
	71 Chlorobenzene	112	10.931	10.931	(1.002)	8562	1.00000	0.9940(a)
	72 Ethylbenzene	91	10.952	10.952	(1.004)	15972	1.00000	0.9769(a)
	73 1,1,1,2-Tetrachloroethane	131	10.981	10.981	(1.007)	2998	1.00000	0.9897(a)
	74 m,p-Xylenes	106	11.081	11.081	(1.016)	10377	2.00000	1.879(a)
	75 o-Xylene	106	11.446	11.446	(1.049)	4659	1.00000	0.8969(a)
	76 Styrene	104	11.496	11.496	(1.054)	5910	1.00000	0.8225(a)
	77 Bromoform	173	11.517	11.517	(0.900)	1069	1.00000	0.8352(a)
	78 Isopropylbenzene	105	11.703	11.703	(1.073)	10730	1.00000	0.8745(a)
$	79 4-Bromofluorobenzene	95	11.939	11.939	(0.933)	4104	1.00000	1.033(a)
	80 Bromobenzene	156	12.018	12.018	(0.940)	2772	1.00000	0.9488(a)
	81 n-Propylbenzene	91	12.032	12.032	(0.941)	15220	1.00000	0.8598(a)
	83 2-Chlorotoluene	91	12.161	12.161	(1.629)	11066	1.00000	0.9113(a)
	84 1,3,5-Trimethylbenzene	105	12.182	12.182	(0.952)	9933	1.00000	0.8173(a)
	88 4-Chlorotoluene	91	12.289	12.289	(1.647)	11612	1.00000	1.019(a)
	89 t-Butylbenzene	119	12.432	12.432	(0.972)	10389	1.00000	0.8782(a)
	90 Pentachloroethane	167	12.454	12.454	(0.974)	1754	1.00000	0.9119(a)
	91 1,2,4-Trimethylbenzene	105	12.482	12.482	(0.976)	11765	1.00000	0.9088(a)
	92 sec-Butylbenzene	105	12.561	12.561	(0.982)	14189	1.00000	0.8606(a)
	93 4-Isopropyltoluene	119	12.661	12.661	(0.990)	10211	1.00000	0.8325(a)
	94 1,3-Dichlorobenzene	146	12.740	12.740	(0.996)	6776	1.00000	1.049(a)
*	95 1,4 Dichlorobenzene-d4	152	12.790	12.790	(1.000)	190243	50.0000	

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Report Date: 07-Dec-2006 16:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
96 1,4-Dichlorobenzene	146	12.804	12.804	(1.001)	8465	1.00000	1.158(a)
98 n-Butylbenzene	91	12.976	12.976	(1.015)	13039	1.00000	0.9312(a)
99 1,2-Dichlorobenzene	146	13.119	13.119	(1.026)	6445	1.00000	1.022(a)
101 Hexachlorobutadiene	225	14.120	14.120	(1.104)	2383	1.00000	1.045(a)
104 1,2,4-Trichlorobenzene	180	14.155	14.155	(1.107)	4746	1.00000	1.078(a)
105 Naphthalene	128	14.384	14.384	(1.125)	10437	1.00000	1.045(a)
106 1,2,3-Trichlorobenzene	180	14.520	14.520	(1.135)	4183	1.00000	0.9934(a)
M 107 Xylenes (total)	106				15036	3.00000	2.776

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Report Date: 10-Dec-2006 17:24

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FCAL0860.D
Lab Smp Id: VSTD001
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Misc Info: VBLKF341A.B;

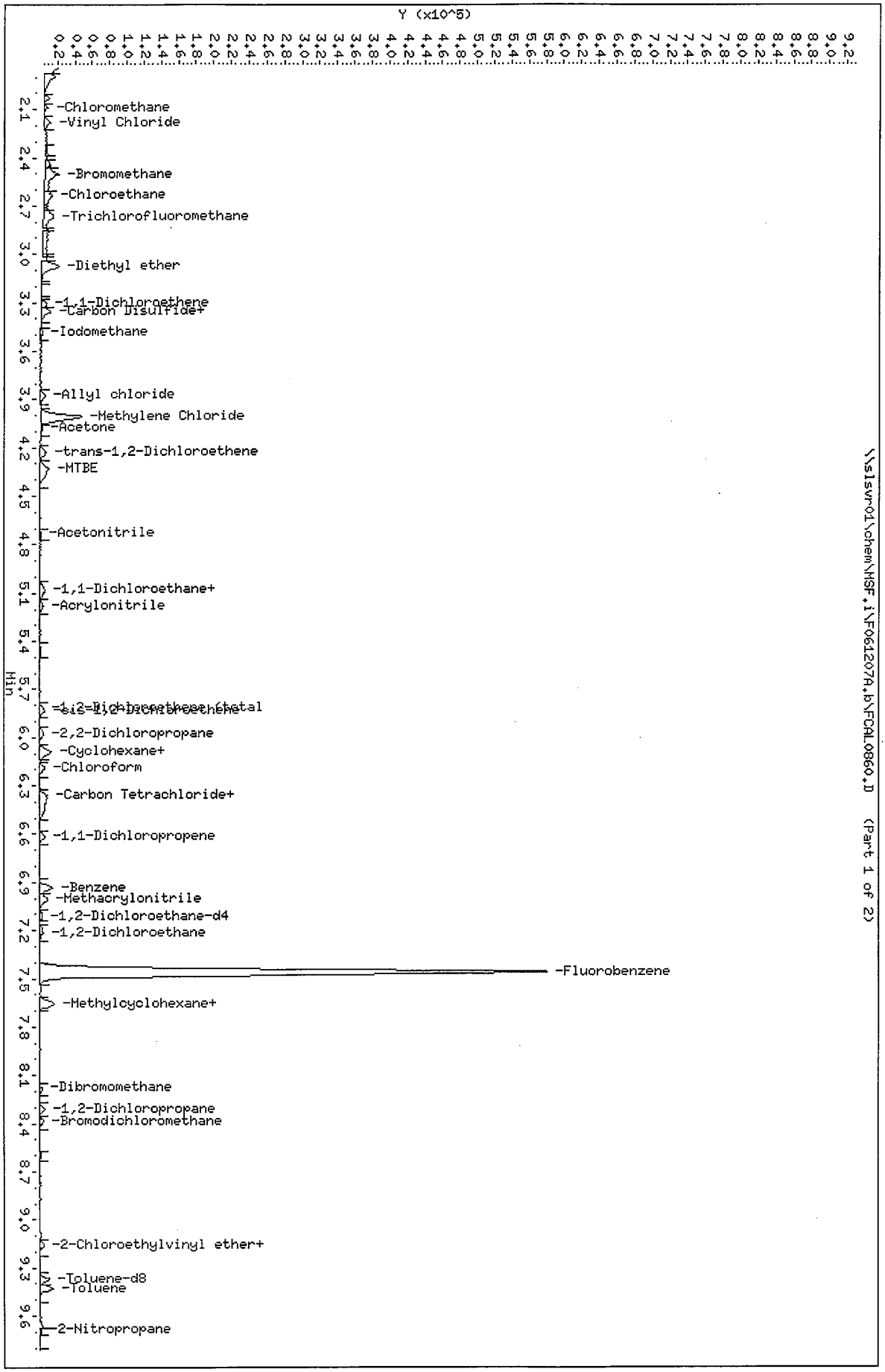
Calibration Date: 07-DEC-2006
Calibration Time: 15:42

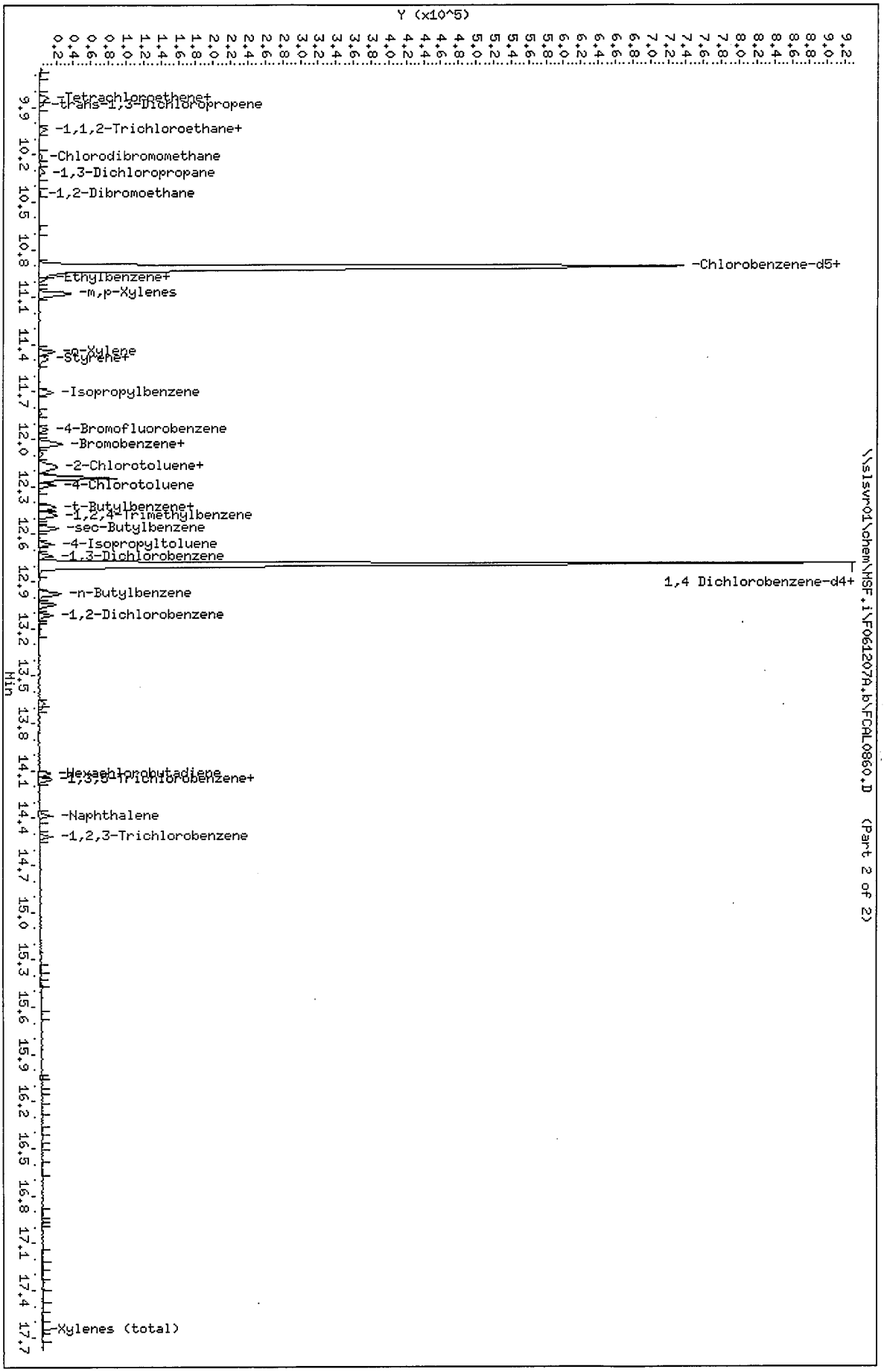
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	706088	353044	1412176	660210	-6.50
70 Chlorobenzene-d5	427557	213779	855114	380746	-10.95
95 1,4 Dichlorobenze	200765	100383	401530	190243	-5.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	-0.01
70 Chlorobenzene-d5	10.92	10.42	11.42	10.91	-0.07
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.


Data File: \\slsvr01\chem\MSF,i\F061207A,b\FCAL0860.D
Date : 07-DEC-2006 13:40
Client ID:
Sample Info: VSTD001;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0860.D (Part 1 of 2)
Y (x10^5)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Diethyl ether
-1,1-Dichloroethene
-Carbon Disulfide+
-Iodomethane
-Allyl chloride
-Methylene Chloride
-Acetone
-trans-1,2-Dichloroethene
-MTBE
-Acetonitrile
-1,1-Dichloroethane+
-Acrylonitrile
-1,2-Dichloroethene (total
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Cyclohexane+
-Chloroform
-Carbon Tetrachloride+
-1,1-Dichloropropene
-Benzene
-Methacrylonitrile
-1,2-Dichloroethane-d4
-1,2-Dichloroethane
-Fluorobenzene
-Methylcyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-2-Chloroethylvinyl ether+
-Toluene-d8
-Toluene
-2-Nitropropane

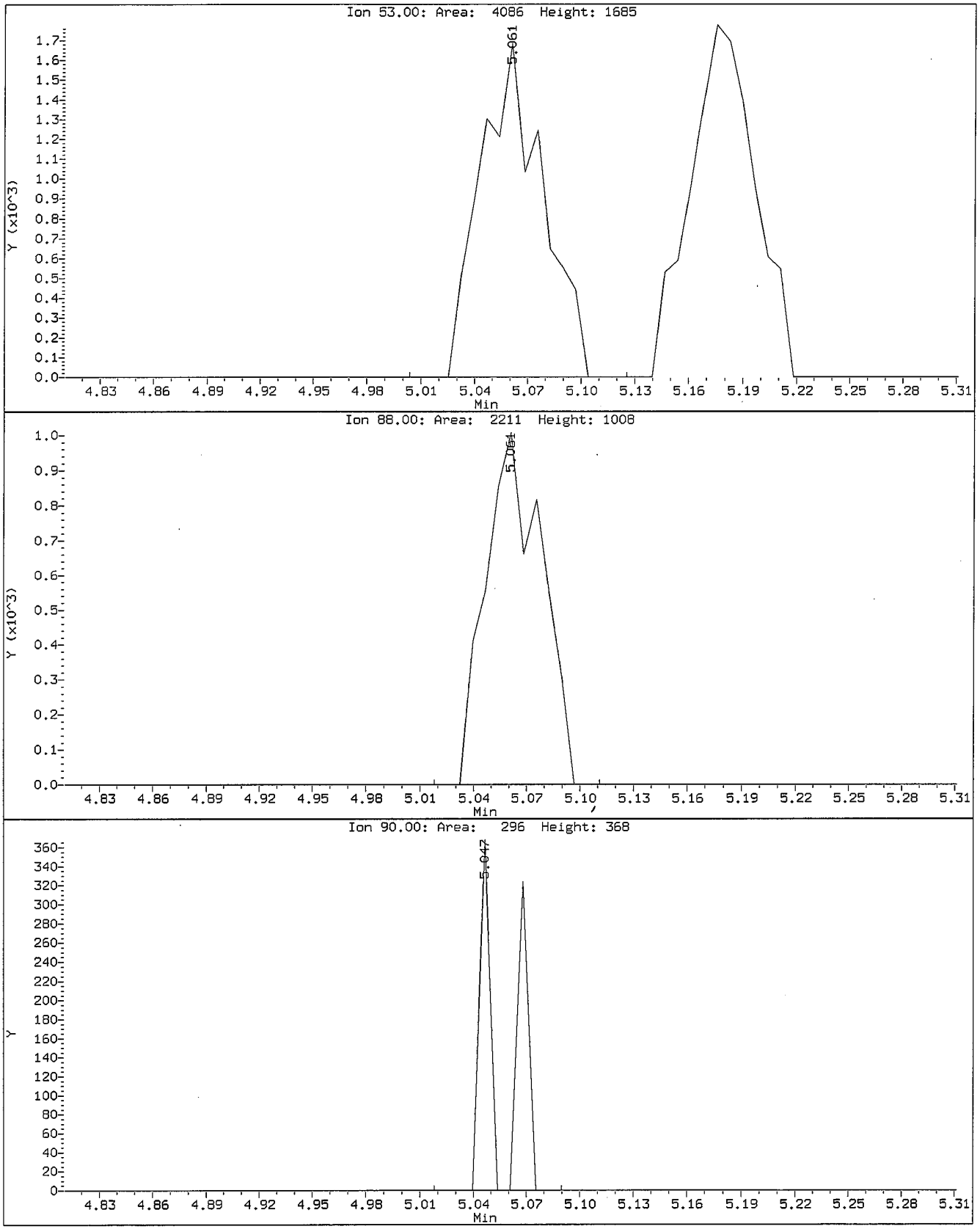

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Date : 07-DEC-2006 13:40
Client ID:
Sample Info: VSTD001;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF.i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D (Part 2 of 2)
Y (x10^5)
Min
-Tetrachloroethene+
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane+
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene+
-m,p-Xylenes
-o-Xylene
-Styrene+
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-2-Chlorotoluene+
-4-Chlorotoluene
-t-Butylbenzene+
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Hexachlorobutadiene
-1,3,5-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene
-Xylenes (total)

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Injection Date: 07-DEC-2006 13:40
Instrument: MSF.i
Client Sample ID:

Compound: 2-Chloro-1,3-butadiene
CAS Number: 126-99-8

JMK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____

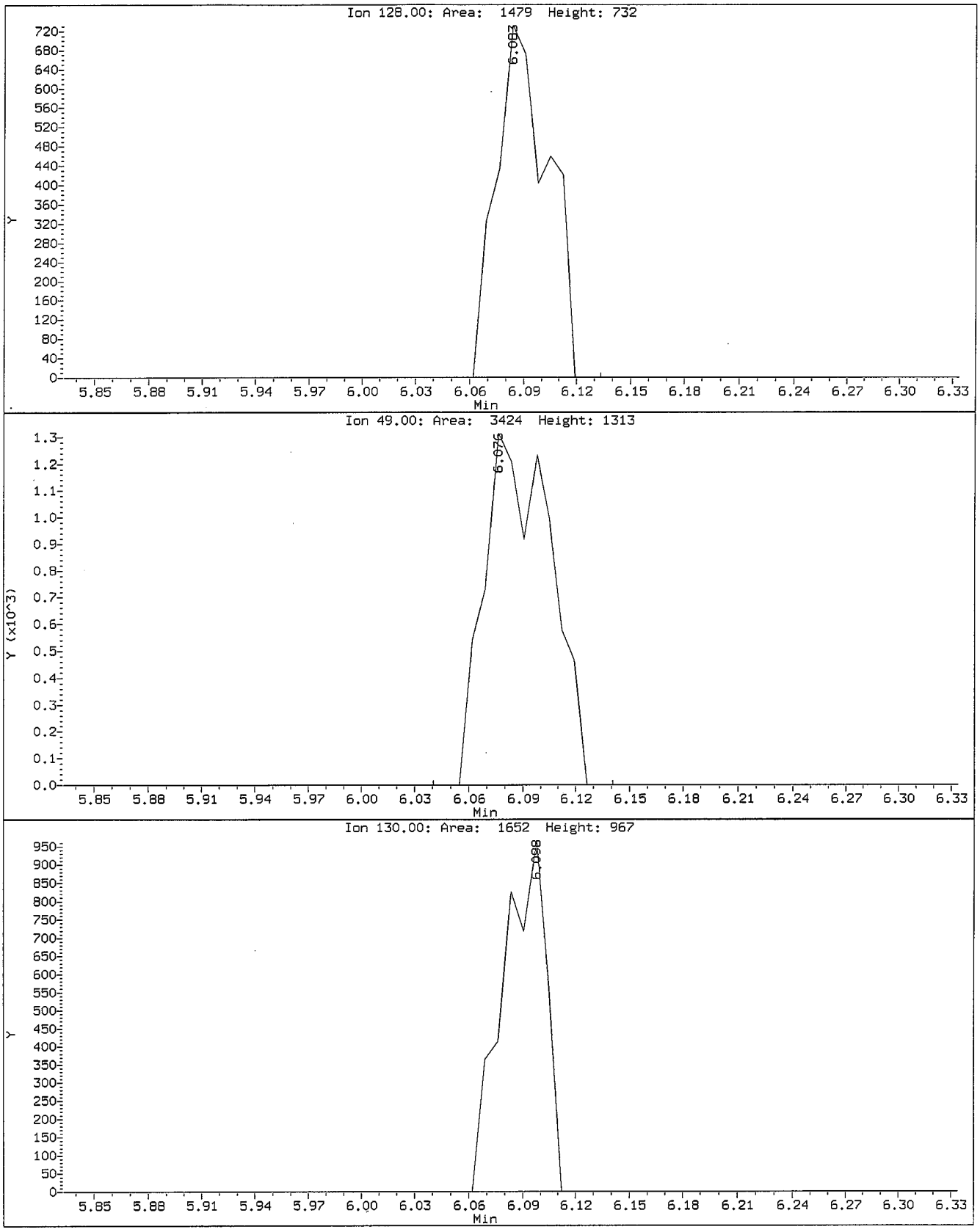


Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Injection Date: 07-DEC-2006 13:40
Instrument: MSF.i
Client Sample ID:

Compound: Bromochloromethane
CAS Number: 74-97-5

JMK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____

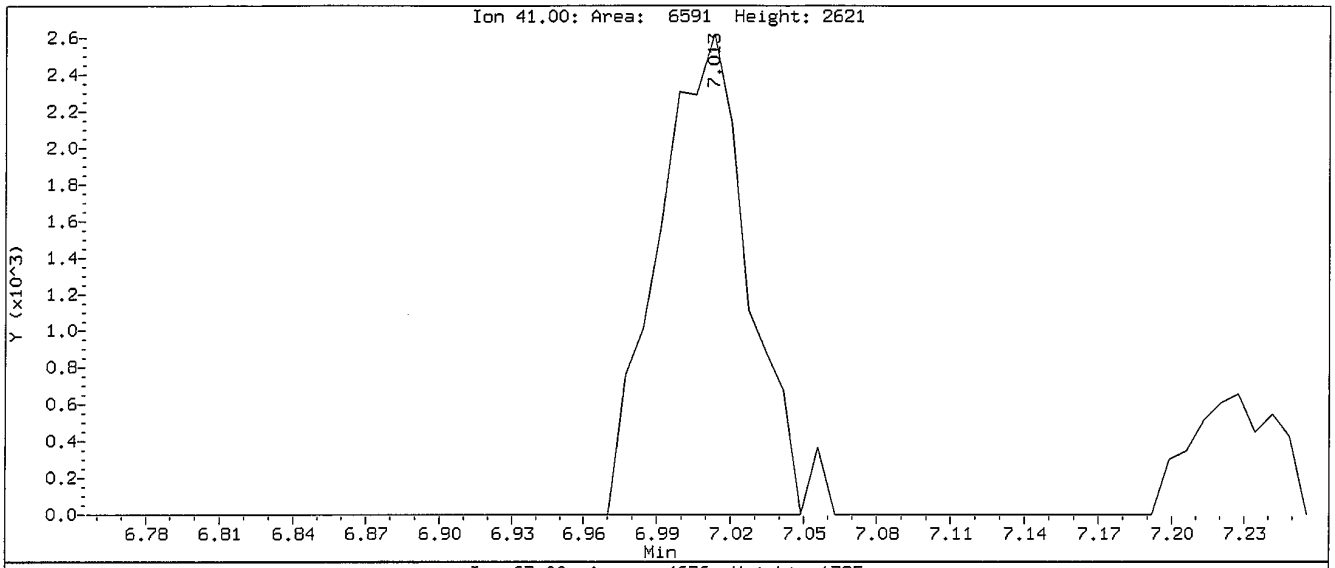


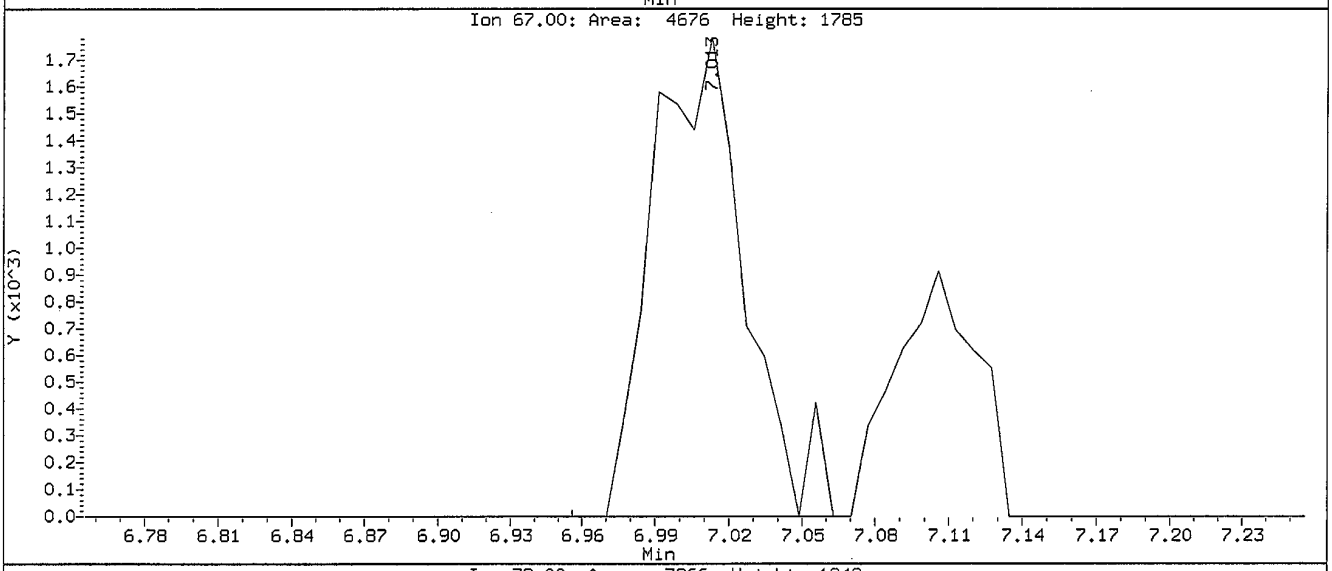
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Injection Date: 07-DEC-2006 13:40
Instrument: MSF.i
Client Sample ID:

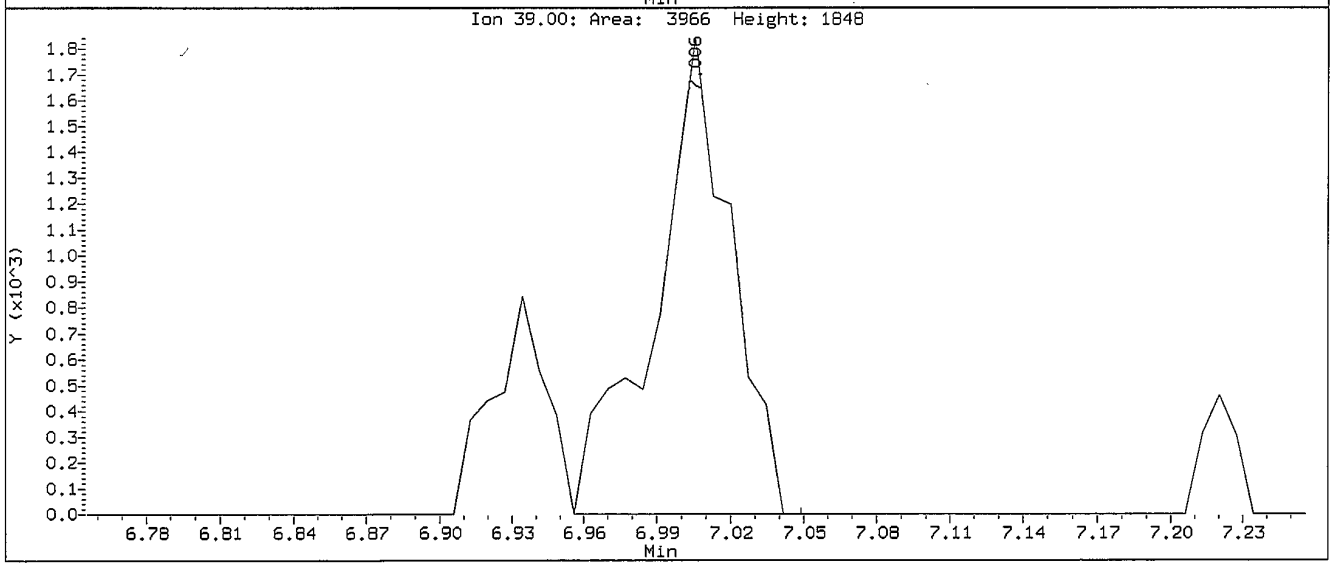
Compound: Methacrylonitrile
CAS Number: 126-98-7

MW 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





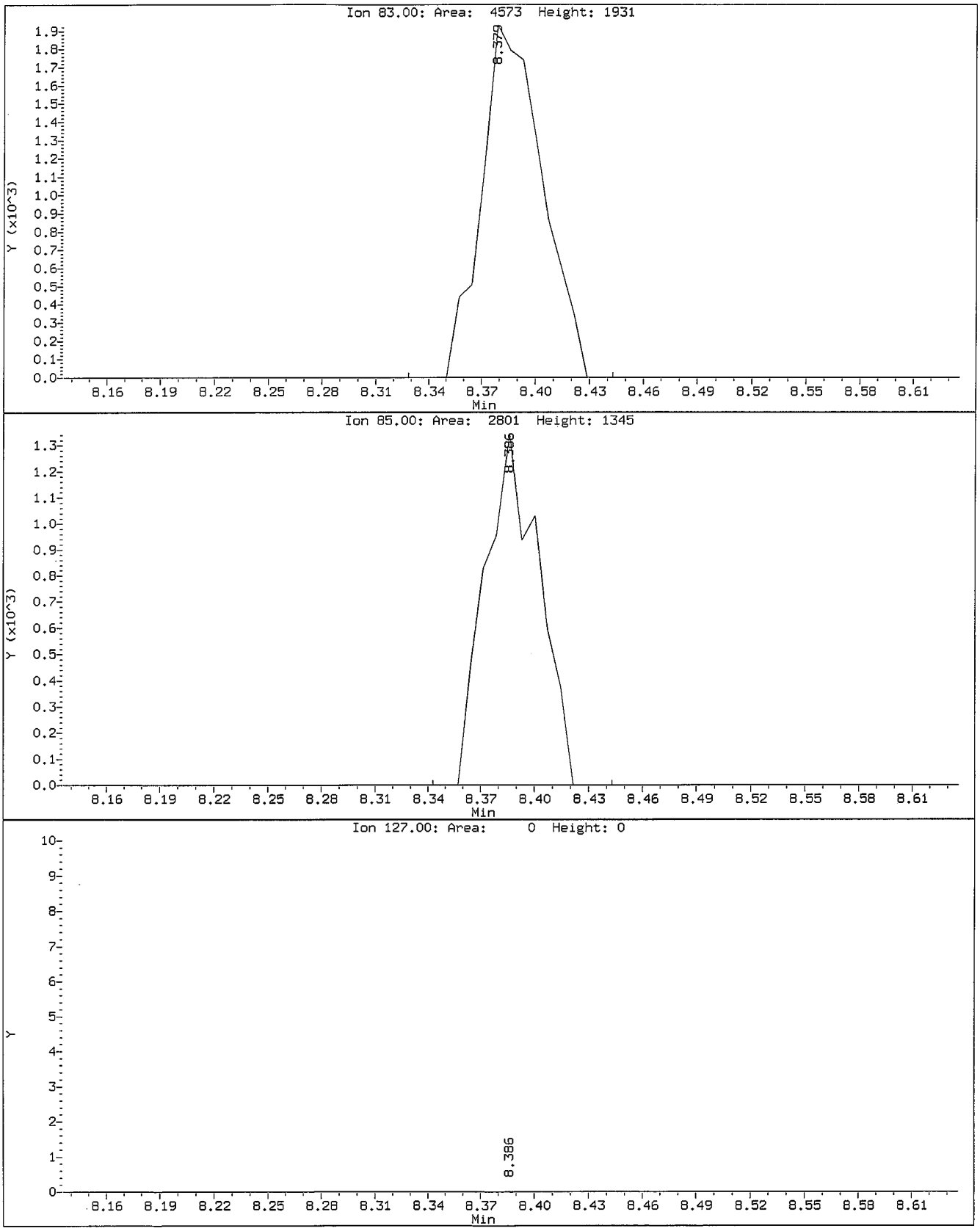


Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Injection Date: 07-DEC-2006 13:40
Instrument: MSF.i
Client Sample ID:

Compound: Bromodichloromethane
CAS Number: 75-27-4

JWK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____

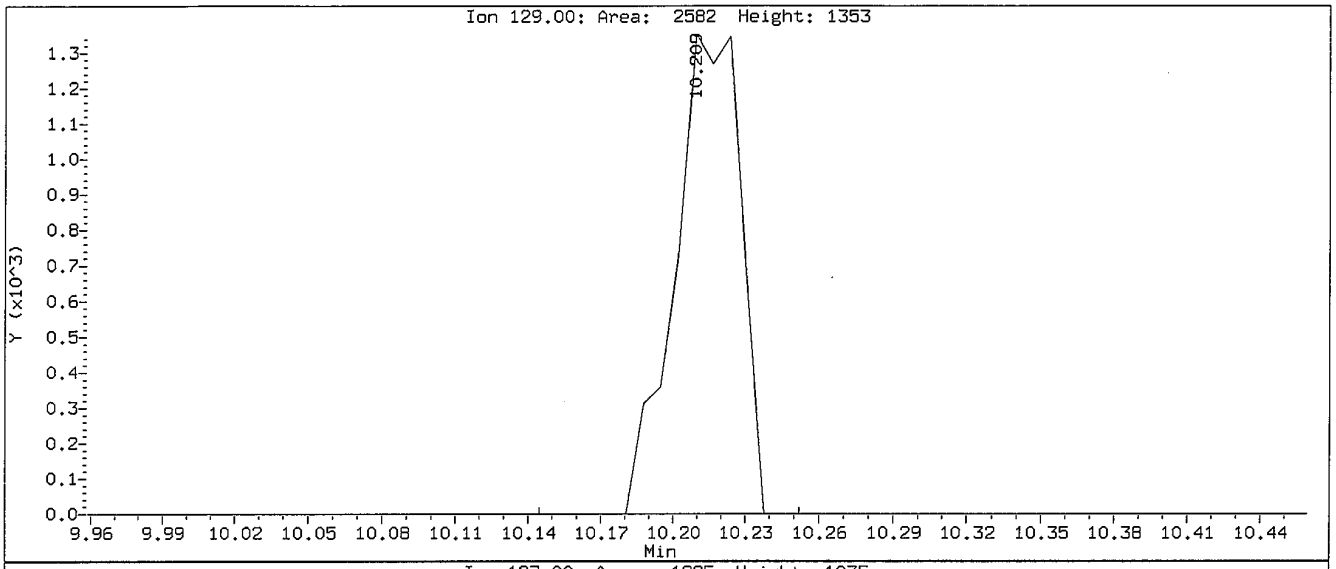


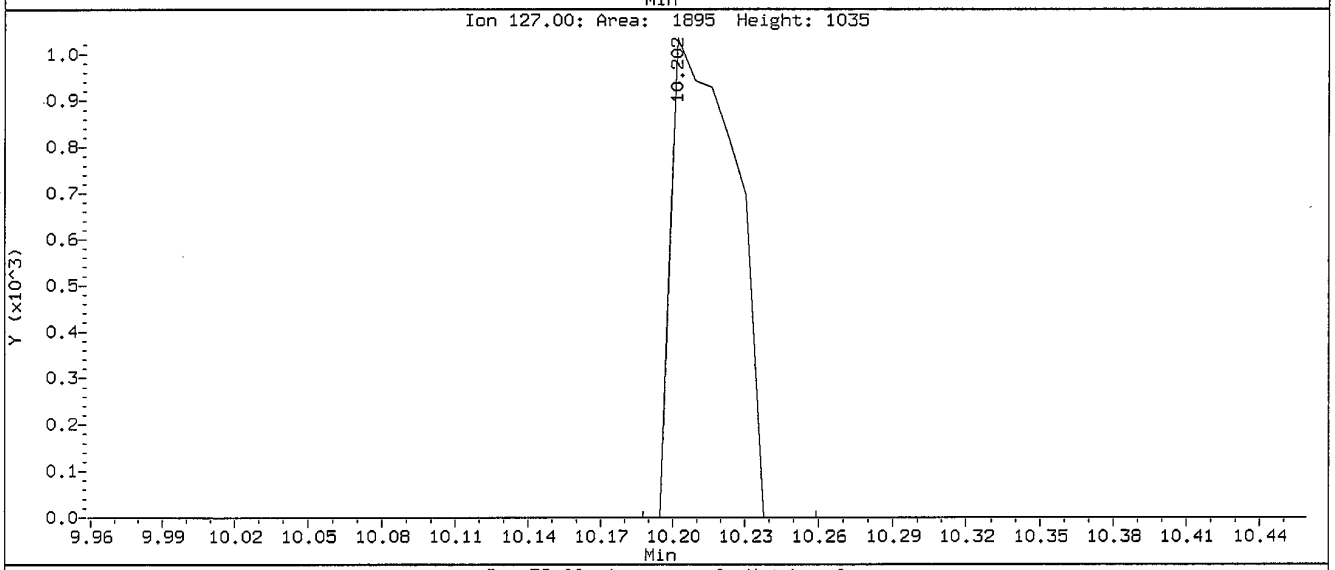
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0860.D
Injection Date: 07-DEC-2006 13:40
Instrument: MSF.i
Client Sample ID:

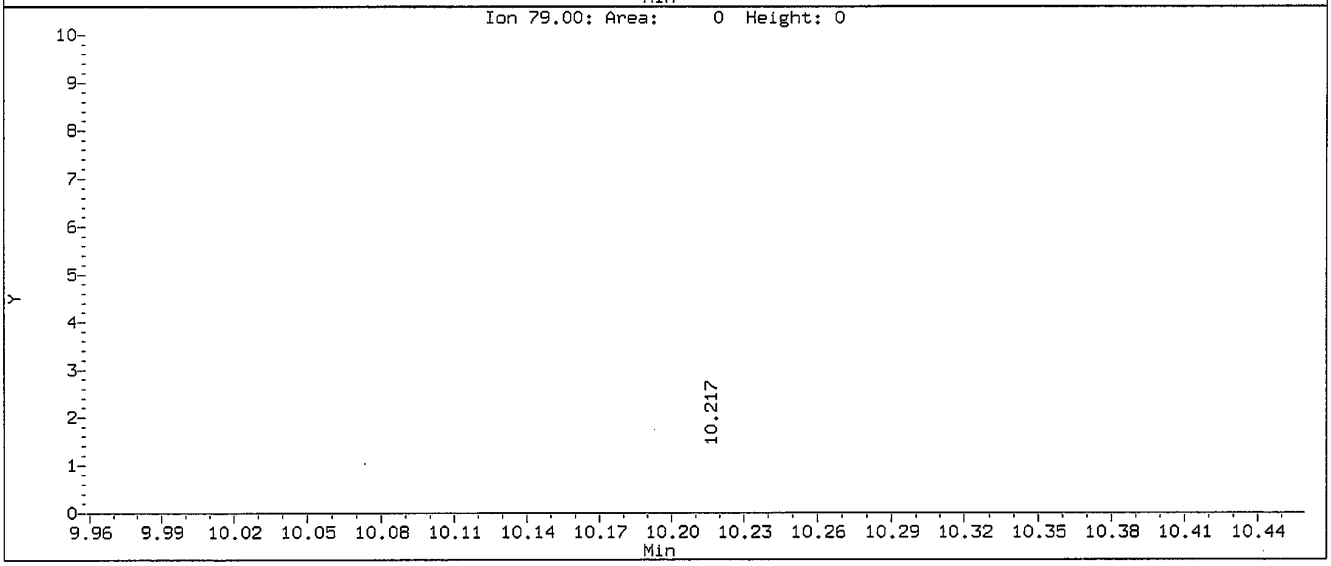
Compound: Chlorodibromomethane
CAS Number: 124-48-1

JMW 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____







Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0861.D
Report Date: 07-Dec-2006 16:04

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061207A.b\FCAL0861.D
Lab Smp Id: VSTD002
Inj Date : 07-DEC-2006 14:04
Operator : JDH Inst ID: MSF.i
Smp Info : VSTD002;F061207A.B
Misc Info : VBLKF341A.B;
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Meth Date : 07-Dec-2006 16:02 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 14:04 Cal File: FCAL0861.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.901	1.901	(0.255)	11616	2.00000	2.113
2 Freon-114	135	2.022	2.022	(0.271)	4910	2.00000	2.126
3 Chloromethane	50	2.087	2.087	(0.280)	13750	2.00000	2.050
4 Vinyl Chloride	62	2.173	2.173	(0.291)	18138	2.00000	2.135
5 Bromomethane	94	2.502	2.502	(0.335)	13528	2.00000	2.131
6 Chloroethane	64	2.637	2.637	(0.353)	11376	2.00000	2.101
7 Trichlorofluoromethane	101	2.759	2.759	(0.370)	21349	2.00000	2.075
8 Diethyl ether	74	3.074	3.074	(0.412)	14683	4.00000	4.051
9 1,1-Dichloroethene	96	3.302	3.302	(0.442)	6988	2.00000	2.015
10 Carbon Disulfide	76	3.352	3.352	(0.449)	28080	2.00000	2.102
11 1,1,2-Trichlorofluoroethane	151	3.360	3.360	(0.450)	5310	2.00000	2.356(M)
12 Iodomethane	142	3.488	3.488	(0.467)	7329	2.00000	2.015
13 Acrolein	56	3.710	3.710	(0.497)	852	10.0000	8.521(M)
14 Allyl chloride	39	3.881	3.881	(0.520)	7926	2.00000	1.951(a)
15 Methylene Chloride	84	4.017	4.017	(0.538)	32622	2.00000	2.015
16 Acetone	43	4.089	4.089	(0.548)	4380	2.00000	1.644(a)
17 trans-1,2-Dichloroethene	96	4.232	4.232	(0.567)	8018	2.00000	2.162
19 n-Hexane	86	4.339	4.339	(0.581)	2275	2.00000	0.4921(aMH)
20 MTBE	73	4.375	4.375	(0.586)	18021	2.00000	1.964(a)
21 Acetonitrile	41	4.747	4.747	(0.636)	3925	10.0000	11.31(M)
22 2-Chloro-1,3-butadiene	53	5.068	5.068	(0.679)	9398	2.00000	1.961(a)
23 1,1-Dichloroethane	63	5.097	5.097	(0.683)	15492	2.00000	2.049

Jdk 12-10-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0861.D
Report Date: 07-Dec-2006 16:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	24 Acrylonitrile	53	5.190	5.190	(0.695)	8704	10.0000	9.697
	25 Vinyl acetate	43	5.455	5.455	(0.731)	9185	2.00000	1.782(a)
M	26 1,2-Dichloroethene (total)	96				15193	4.00000	4.116
	27 cis-1,2-Dichloroethene	96	5.833	5.833	(0.782)	7175	2.00000	1.954(a)
	28 2,2-Dichloropropane	77	5.969	5.969	(0.800)	11195	2.00000	2.169
	29 Cyclohexane	84	6.105	6.105	(0.818)	8968	2.00000	1.806(aM)
	30 Bromochloromethane	128	6.084	6.084	(0.815)	3379	2.00000	2.173
	31 Chloroform	83	6.198	6.198	(0.830)	14200	2.00000	2.033
	32 Carbon Tetrachloride	117	6.370	6.370	(0.853)	9920	2.00000	1.998(a)
	34 Tetrahydrofuran	71	6.405	6.405	(0.858)	2383	10.0000	8.556
$	35 Dibromofluoromethane	113	6.427	6.427	(0.861)	5730	2.00000	1.958(a)
	36 1,1,1-Trichloroethane	97	6.463	6.463	(0.866)	11546	2.00000	1.993(a)
	39 1,1-Dichloropropene	75	6.613	6.613	(0.886)	9029	2.00000	1.902(a)
	40 Benzene	78	6.935	6.935	(0.929)	29703	2.00000	1.942(a)
	41 Propionitrile	54	6.992	6.992	(0.937)	2578	10.0000	7.401
	42 Methacrylonitrile	41	7.006	7.006	(0.939)	14336	10.0000	9.078
$	43 1,2-Dichloroethane-d4	65	7.106	7.106	(0.952)	7594	2.00000	1.918(a)
	44 1,2-Dichloroethane	62	7.199	7.199	(0.965)	9914	2.00000	2.168
	45 Isobutanol	43	7.228	7.228	(0.968)	3758	40.0000	44.58
*	46 Fluorobenzene	96	7.464	7.464	(1.000)	651563	50.0000	
	47 Methylcyclohexane	55	7.650	7.650	(1.025)	11088	2.00000	1.971(a)
	48 Trichloroethene	95	7.671	7.671	(1.028)	7290	2.00000	2.053
	49 n-Butanol	56	7.657	7.657	(1.026)	3456	20.0000	19.90
	50 Dibromomethane	93	8.186	8.186	(1.097)	3380	2.00000	1.920(a)
	51 1,2-Dichloropropane	63	8.315	8.315	(1.114)	7577	2.00000	2.057
	52 Bromodichloromethane	83	8.393	8.393	(1.125)	9276	2.00000	1.975(aM)
	53 Methyl methacrylate	69	8.608	8.608	(1.153)	2081	2.00000	1.612(aM)
	55 2-Chloroethylvinyl ether	63	9.094	9.094	(1.218)	1639	2.00000	1.529(a)
	56 cis-1,3-Dichloropropene	75	9.158	9.158	(1.227)	8668	2.00000	1.837(a)
$	57 Toluene-d8	98	9.373	9.373	(0.859)	19526	2.00000	1.919(a)
	58 Toluene	92	9.437	9.437	(0.864)	14910	2.00000	1.926(a)
	59 2-Nitropropane	43	9.687	9.687	(0.887)	1966	2.00000	1.832(a)
	60 Tetrachloroethene	164	9.845	9.845	(0.902)	4131	2.00000	1.887(a)
	62 4-Methyl-2-pentanone	43	9.845	9.845	(1.319)	2731	2.00000	1.371(a)
	63 trans-1,3-Dichloropropene	75	9.888	9.888	(0.906)	6933	2.00000	1.991(a)
	64 1,1,2-Trichloroethane	83	10.045	10.045	(0.920)	3836	2.00000	2.004
	65 Ethyl methacrylate	69	10.045	10.045	(0.920)	3971	2.00000	1.668(a)
	66 Chlorodibromomethane	129	10.217	10.217	(0.936)	4491	2.00000	1.865(a)
	67 1,3-Dichloropropane	76	10.317	10.317	(0.945)	8568	2.00000	1.982(a)
	68 1,2-Dibromoethane	107	10.445	10.445	(0.957)	3691	2.00000	2.035
*	70 Chlorobenzene-d5	117	10.917	10.917	(1.000)	364352	50.0000	
	71 Chlorobenzene	112	10.932	10.932	(1.001)	17472	2.00000	2.120
	72 Ethylbenzene	91	10.953	10.953	(1.003)	32574	2.00000	2.082
	73 1,1,1,2-Tetrachloroethane	131	10.982	10.982	(1.006)	5930	2.00000	2.046
	74 m,p-Xylenes	106	11.082	11.082	(1.015)	20449	4.00000	3.869
	75 o-Xylene	106	11.446	11.446	(1.048)	10090	2.00000	2.030
	76 Styrene	104	11.496	11.496	(1.053)	12685	2.00000	1.845(a)
	77 Bromoform	173	11.511	11.511	(0.900)	2358	2.00000	1.897(a)
	78 Isopropylbenzene	105	11.704	11.704	(1.072)	21859	2.00000	1.862(a)
$	79 4-Bromofluorobenzene	95	11.940	11.940	(0.933)	7137	2.00000	1.850(a)
	80 Bromobenzene	156	12.025	12.025	(0.940)	5448	2.00000	1.920(a)
	81 n-Propylbenzene	91	12.033	12.033	(0.941)	31598	2.00000	1.838(a)
	82 1,1,2,2-Tetrachloroethane	83	12.090	12.090	(0.945)	5913	2.00000	1.920(a)
	83 2-Chlorotoluene	91	12.161	12.161	(1.629)	23162	2.00000	1.933(a)

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0861.D
Report Date: 07-Dec-2006 16:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
84 1,3,5-Trimethylbenzene	105	12.183	12.183	(0.952)	21620	2.00000	1.831(a)
85 1,2,3-Trichloropropane	75	12.204	12.204	(0.954)	6317	2.00000	2.134
86 trans-1,4-dichloro-2-butene	53	12.240	12.240	(0.957)	2193	2.00000	2.448
87 Cyclohexanone	55	12.247	12.247	(1.122)	4590	20.0000	16.58
88 4-Chlorotoluene	91	12.290	12.290	(1.647)	21938	2.00000	1.950(a)
89 t-Butylbenzene	119	12.426	12.426	(0.971)	21742	2.00000	1.892(a)
90 Pentachloroethane	167	12.454	12.454	(0.974)	3714	2.00000	1.988(a)
91 1,2,4-Trimethylbenzene	105	12.483	12.483	(0.976)	23788	2.00000	1.892(a)
92 sec-Butylbenzene	105	12.562	12.562	(0.982)	31308	2.00000	1.955(a)
93 4-Isopropyltoluene	119	12.662	12.662	(0.990)	22302	2.00000	1.872(a)
94 1,3-Dichlorobenzene	146	12.741	12.741	(0.996)	12573	2.00000	2.003
* 95 1,4 Dichlorobenzene-d4	152	12.791	12.791	(1.000)	184797	50.0000	
96 1,4-Dichlorobenzene	146	12.805	12.805	(1.001)	14412	2.00000	2.029
98 n-Butylbenzene	91	12.976	12.976	(1.015)	26649	2.00000	1.959(a)
99 1,2-Dichlorobenzene	146	13.119	13.119	(1.026)	12506	2.00000	2.042
145 Nonanal	57	13.677	13.677	(1.069)	1448	2.00000	1.272(A)
100 1,2-Dibromo-3-chloropropane	157	13.684	13.684	(1.070)	650	2.00000	1.494(a)
101 Hexachlorobutadiene	225	14.120	14.120	(1.104)	4413	2.00000	1.993(a)
104 1,2,4-Trichlorobenzene	180	14.156	14.156	(1.107)	8711	2.00000	2.037
105 Naphthalene	128	14.392	14.392	(1.125)	19123	2.00000	1.971(a)
106 1,2,3-Trichlorobenzene	180	14.521	14.521	(1.135)	8924	2.00000	2.182
M 107 Xylenes (total)	106				30539	6.00000	5.899

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.
H - Operator selected an alternate compound hit.

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0861.D
Report Date: 10-Dec-2006 17:24

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FCAL0861.D
Lab Smp Id: VSTD002
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Misc Info: VBLKF341A.B;

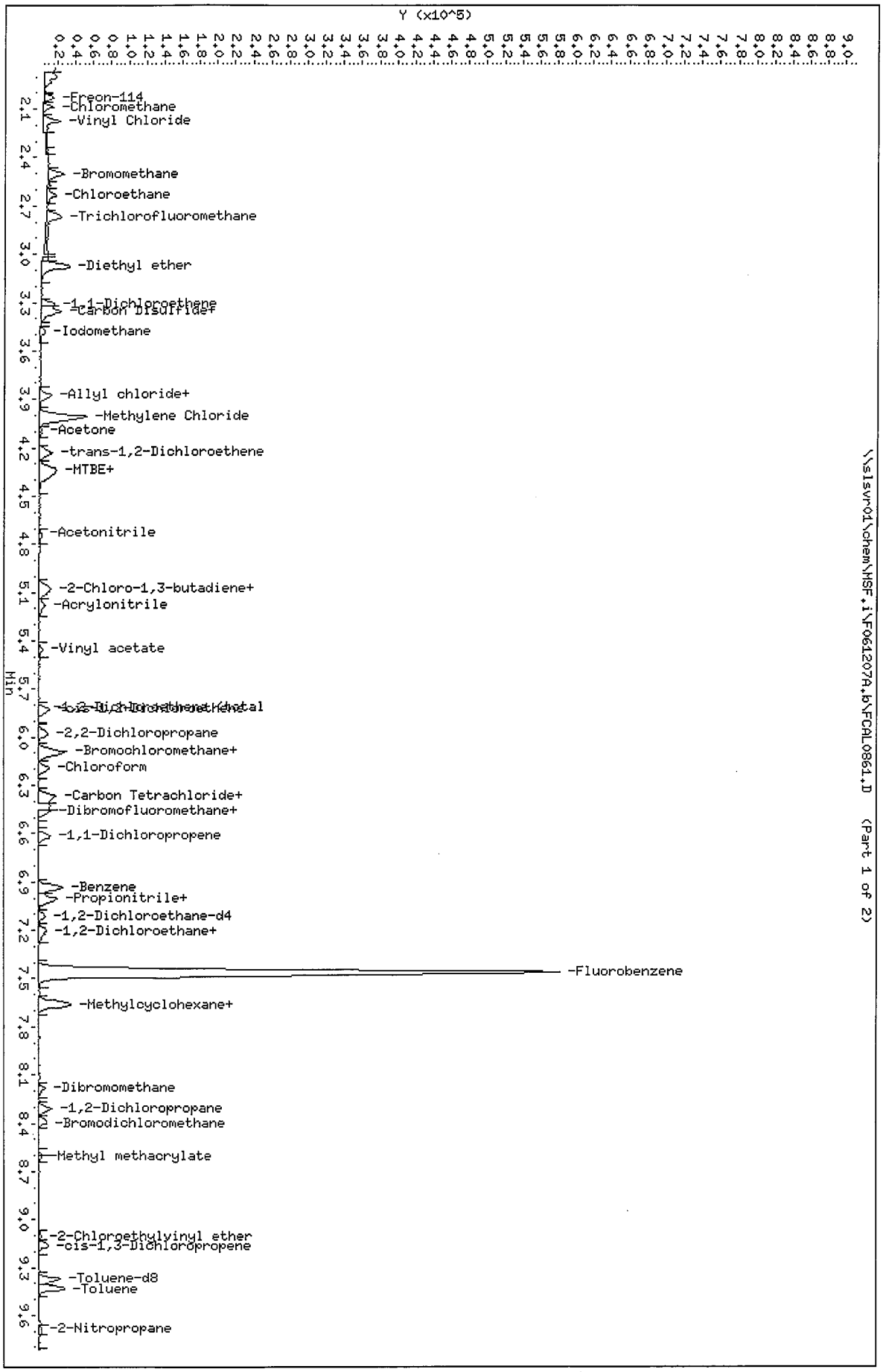
Calibration Date: 07-DEC-2006
Calibration Time: 15:42

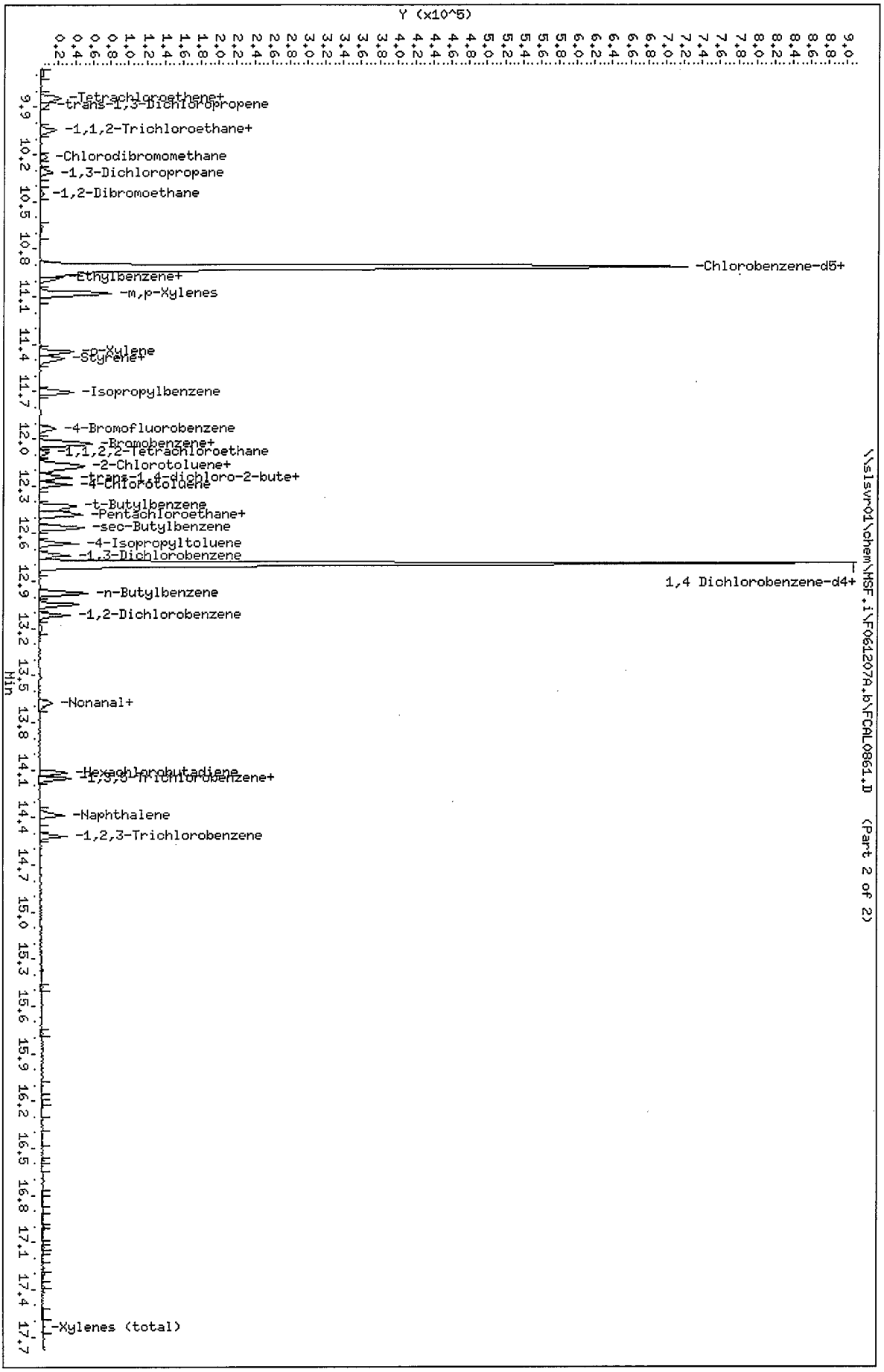
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	706088	353044	1412176	651563	-7.72
70 Chlorobenzene-d5	427557	213779	855114	364352	-14.78
95 1,4 Dichlorobenze	200765	100383	401530	184797	-7.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	-0.00
70 Chlorobenzene-d5	10.92	10.42	11.42	10.92	-0.00
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.


Data File: \\slsvr01\chem\MSF,i\F061207A,b\FCAL0861,D
Date : 07-DEC-2006 14:04
Client ID:
Sample Info: VSTD002;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0861,D (Part 1 of 2)
Y (x10^5)
Min
-Freon-114
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Diethyl ether
-1,1-Dichloroethene
-Carbon Disulfide+
-Iodomethane
-Allyl chloride+
-Methylene Chloride
-Acetone
-trans-1,2-Dichloroethene
-MTBE+
-Acetonitrile
-2-Chloro-1,3-butadiene+
-Acrylonitrile
-Vinyl acetate
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Chloroform
-Carbon Tetrachloride+
-Dibromofluoromethane+
-1,1-Dichloropropene
-Benzene
-Propionitrile+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Methylcyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl methacrylate
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-2-Nitropropane

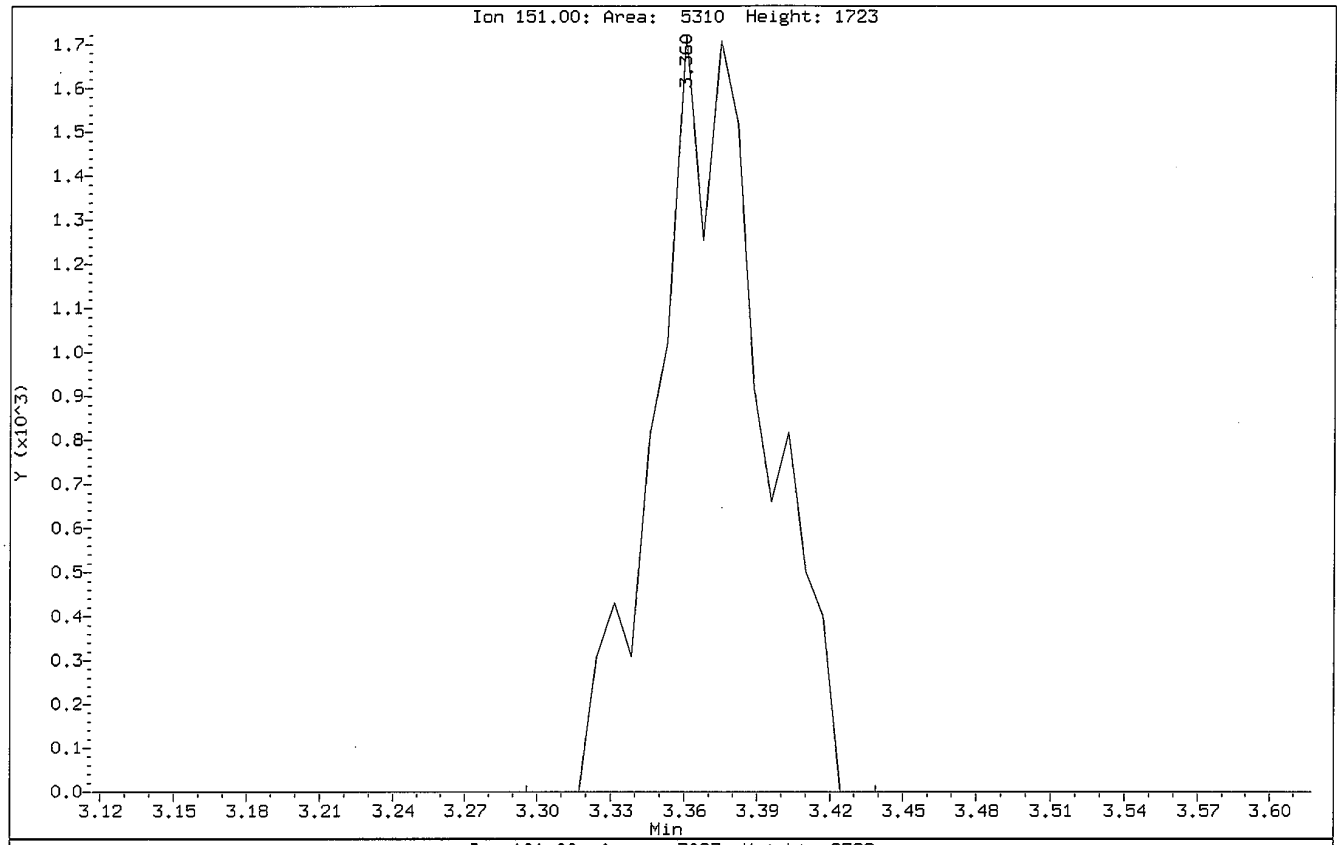

Data File: \\slsvr01\chem\MSF,i\F061207A,b\FCAL0861.D
Date : 07-DEC-2006 14:04
Client ID:
Sample Info: VSTD002;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0861.D (Part 2 of 2)
Y (x10^5)
Min
-Tetrachloroethene+
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane+
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene+
-m,p-Xylenes
-o-Xylene
-Styrene+
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-2-Chlorotoluene+
-trans-1,4-dichloro-2-bute+
-4-Chlorotoluene
-t-Butylbenzene
-Pentachloroethane+
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Nonanal+
-Hexachlorobutadiene
-1,3,5-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene
-Xylenes (total)

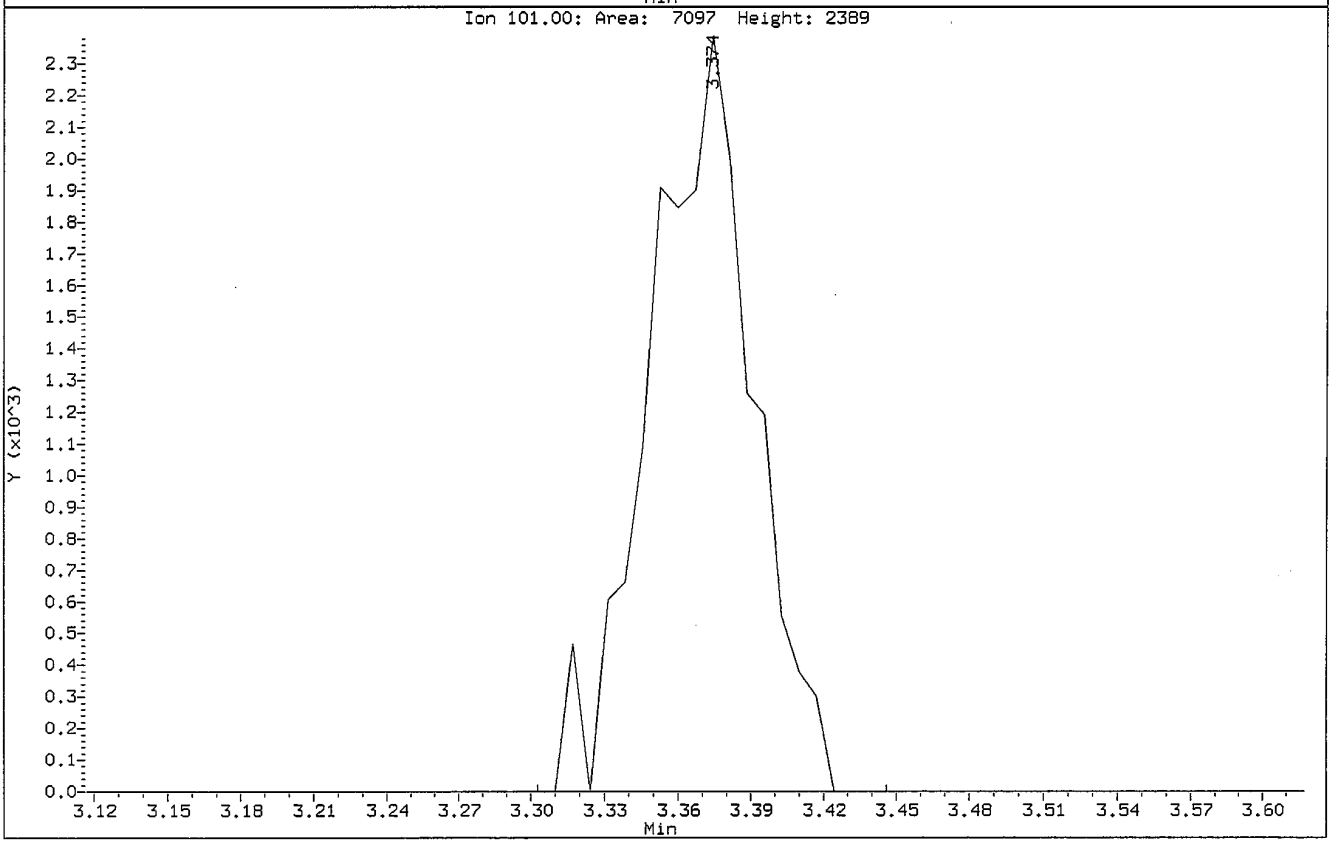
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0861.D
Injection Date: 07-DEC-2006 14:04
Instrument: MSF.i
Client Sample ID:

Compound: 1,1,2-Trichlorofluoroethane
CAS Number: 76-13-1

DMK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





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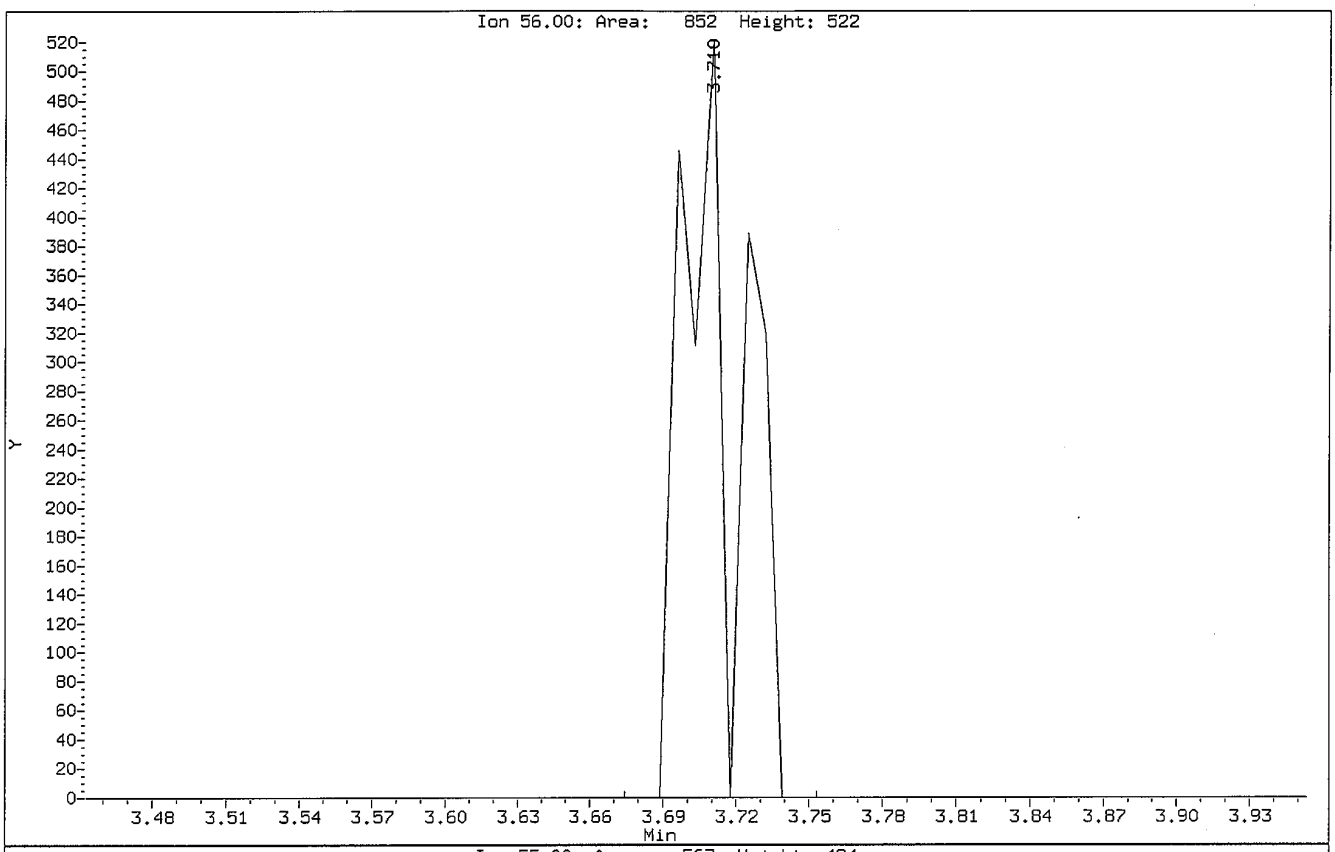
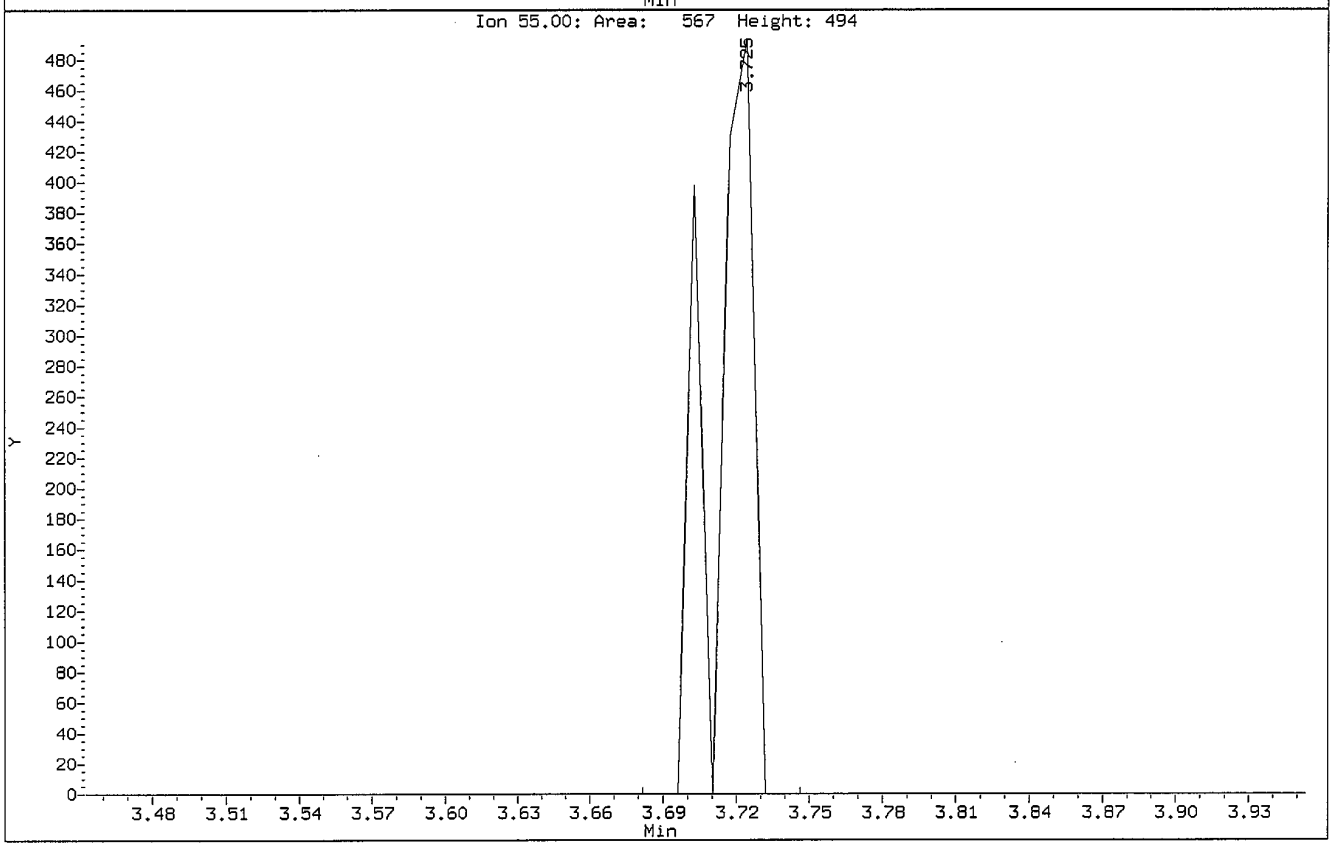
Injection Date: 07-DEC-2006 14:04
Instrument: MSF.i
Client Sample ID:

Compound: Acrolein
CAS Number: 107-02-8

JMK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0861.D
Injection Date: 07-DEC-2006 14:04
Instrument: MSF.i
Client Sample ID:

Compound: n-Hexane
CAS Number: 110-54-3

JMK 12-10-06

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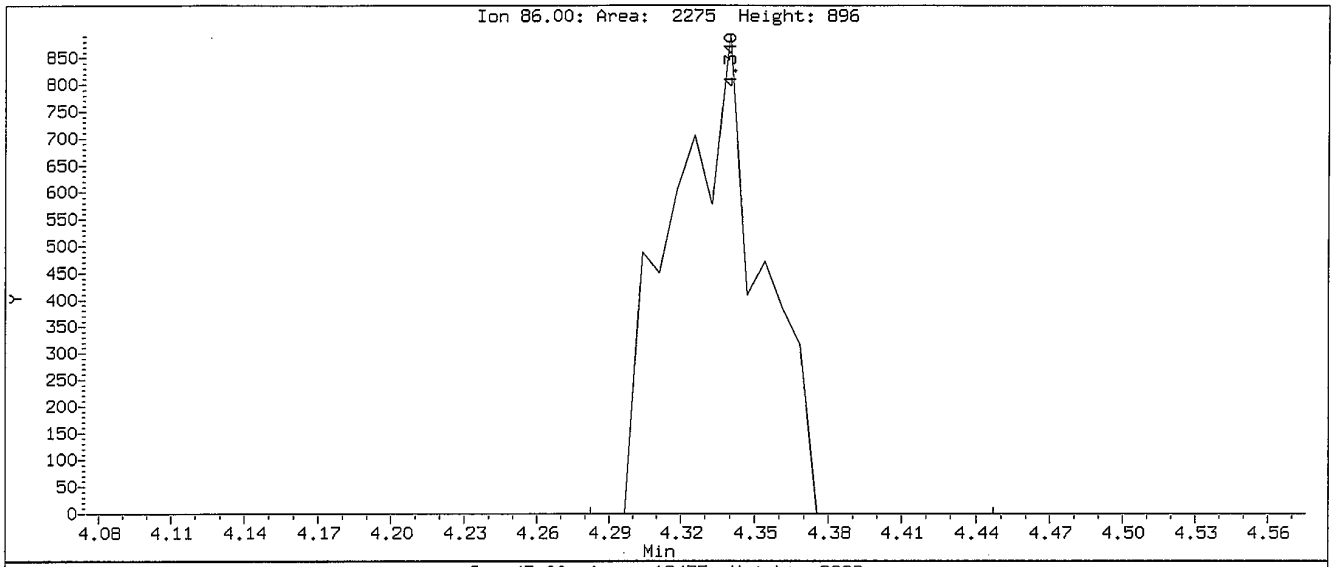
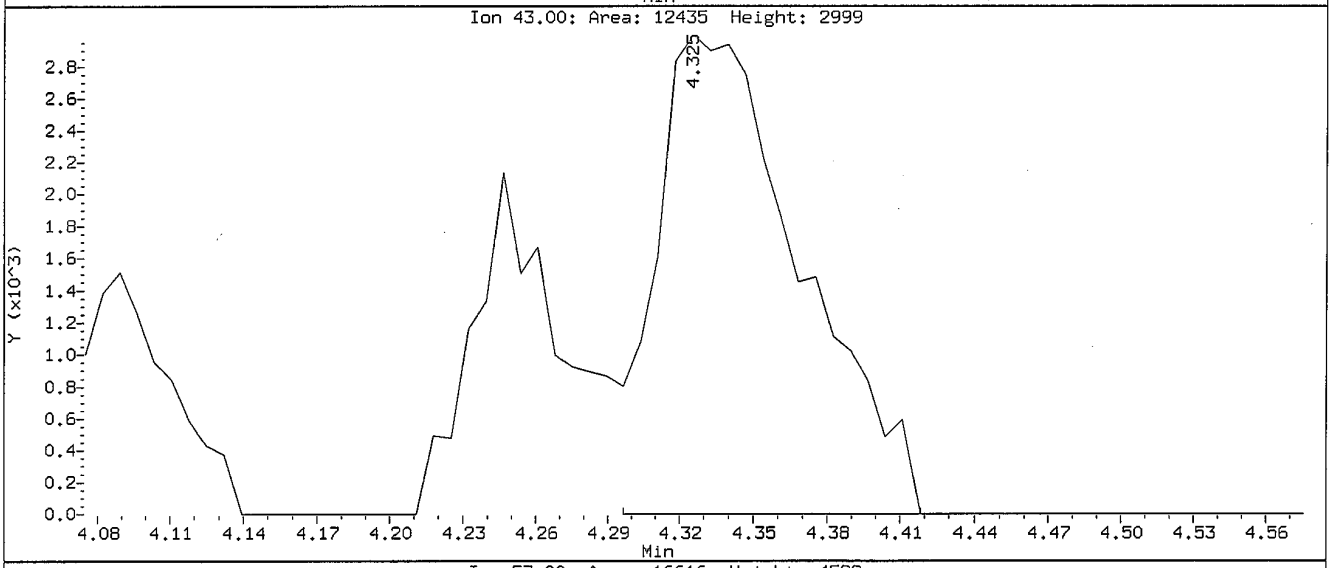
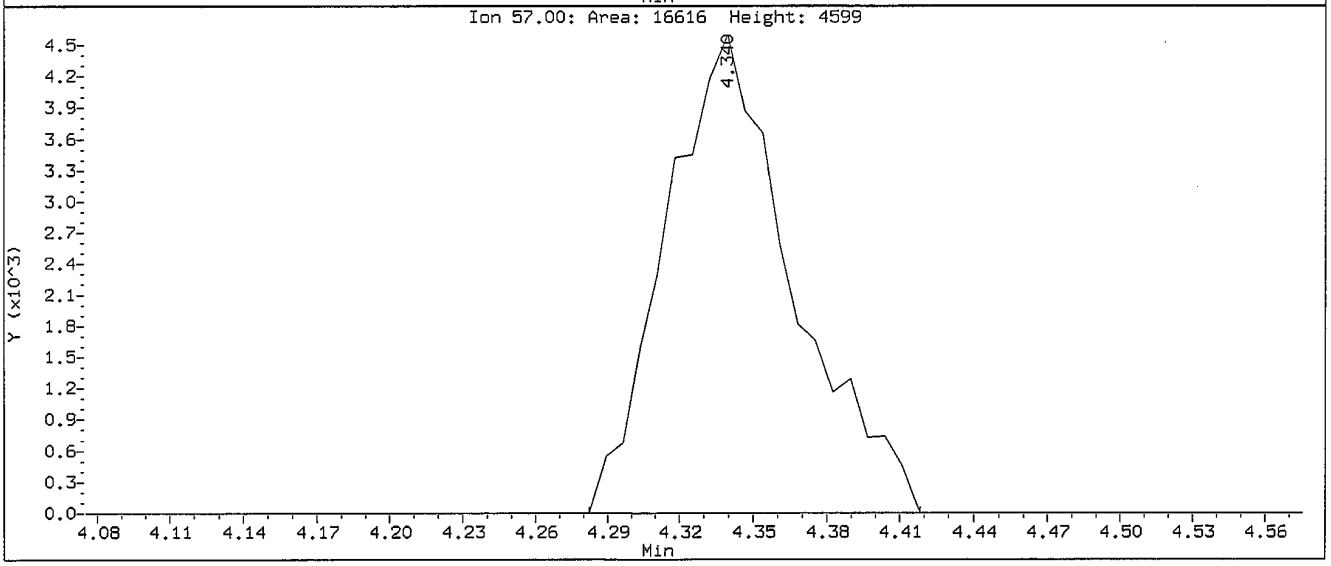
2. Incomplete Integration
3. Wrong Peak
4. Other_____







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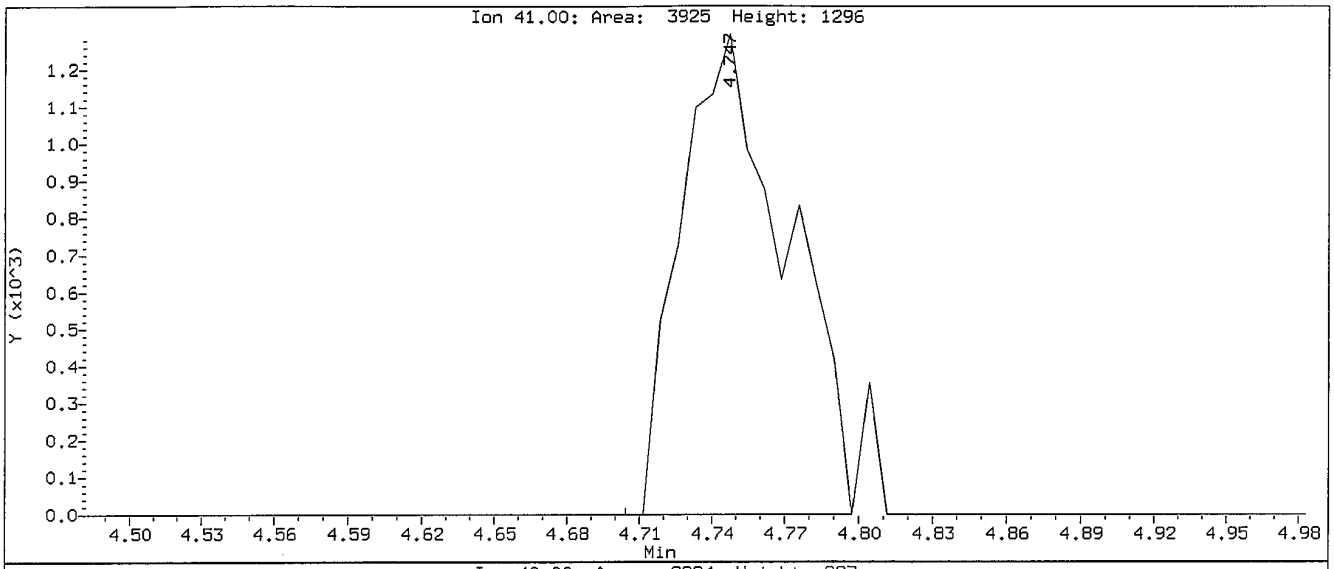
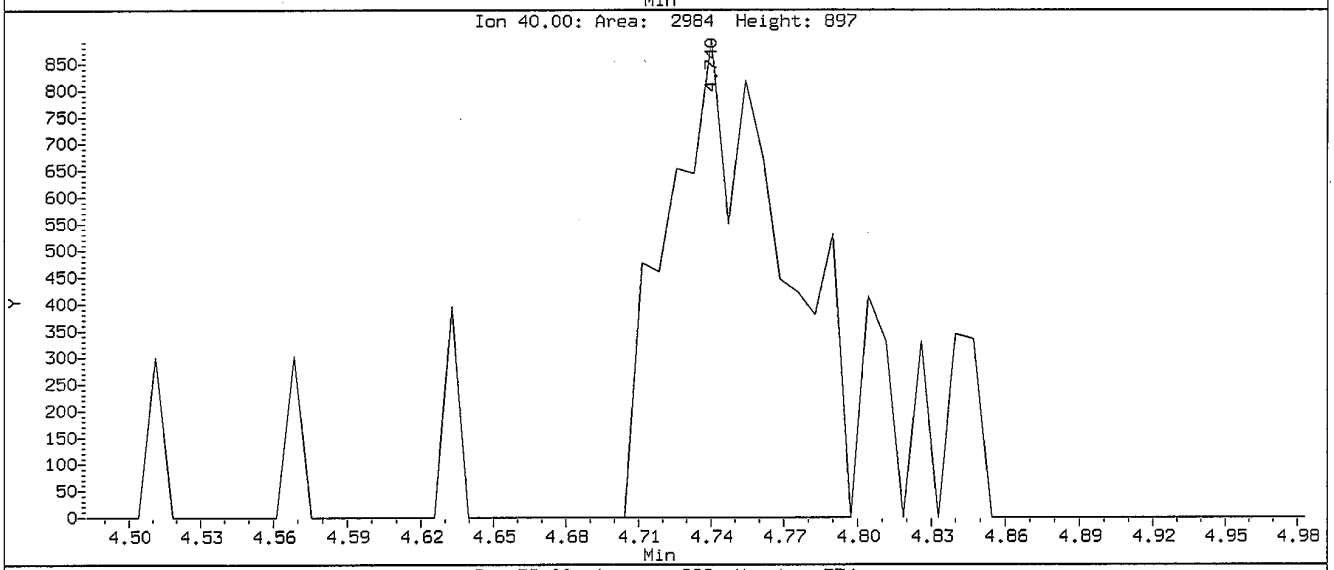
Injection Date: 07-DEC-2006 14:04
Instrument: MSF.i
Client Sample ID:

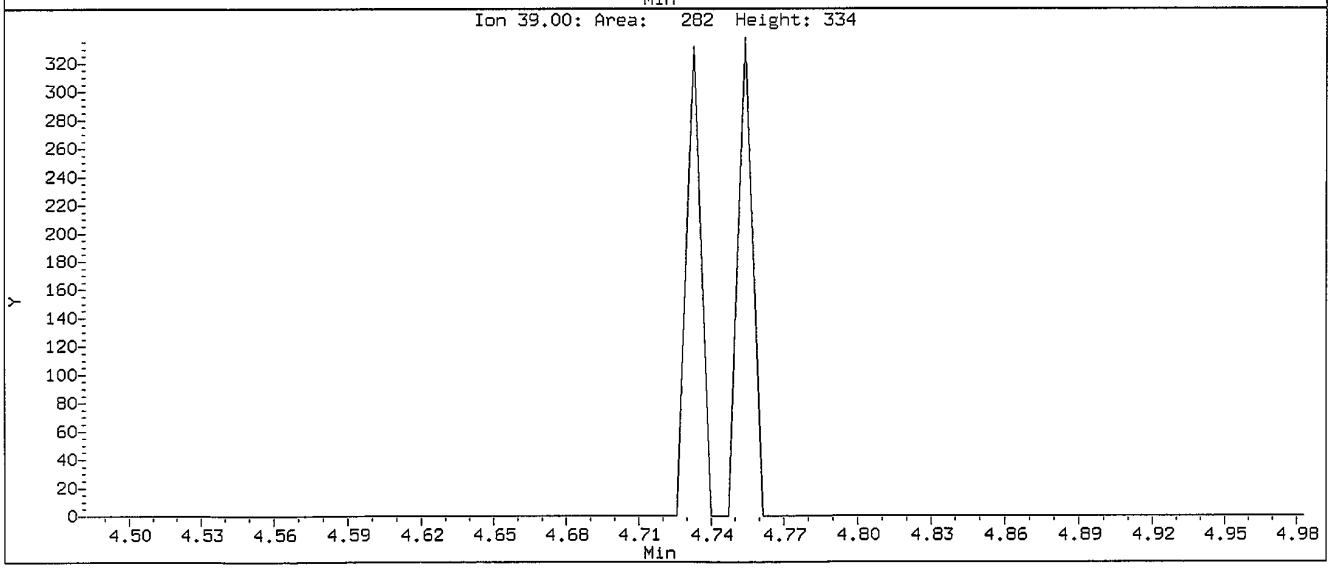
Compound: Acetonitrile
CAS Number: 75-05-8

MK 12.10.06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





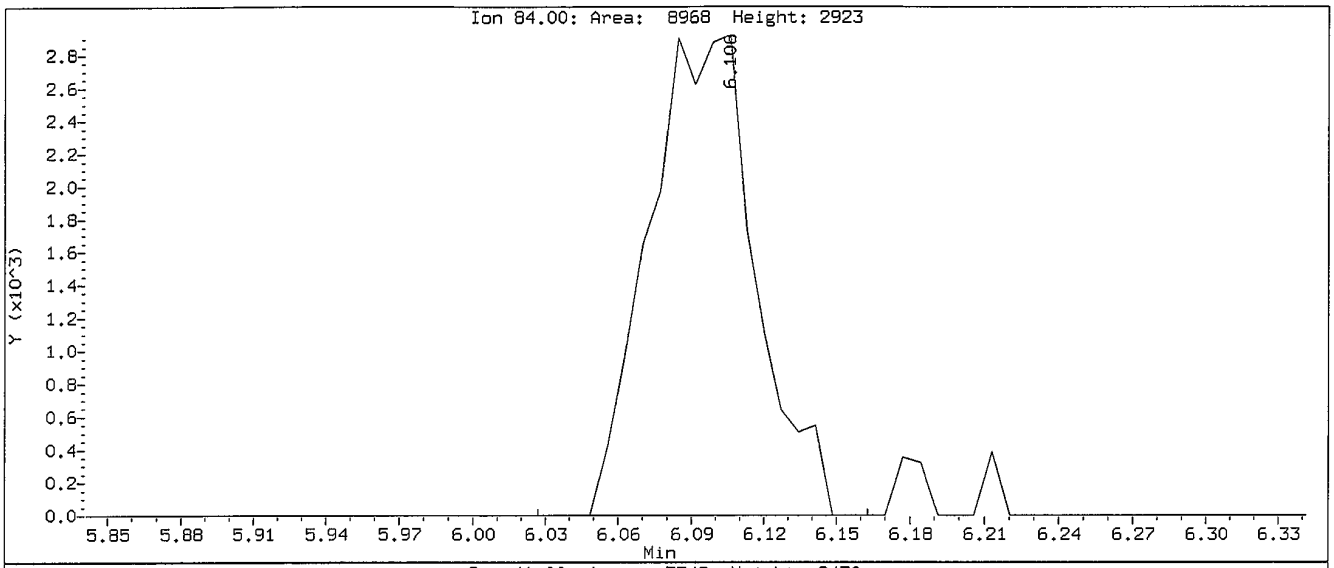


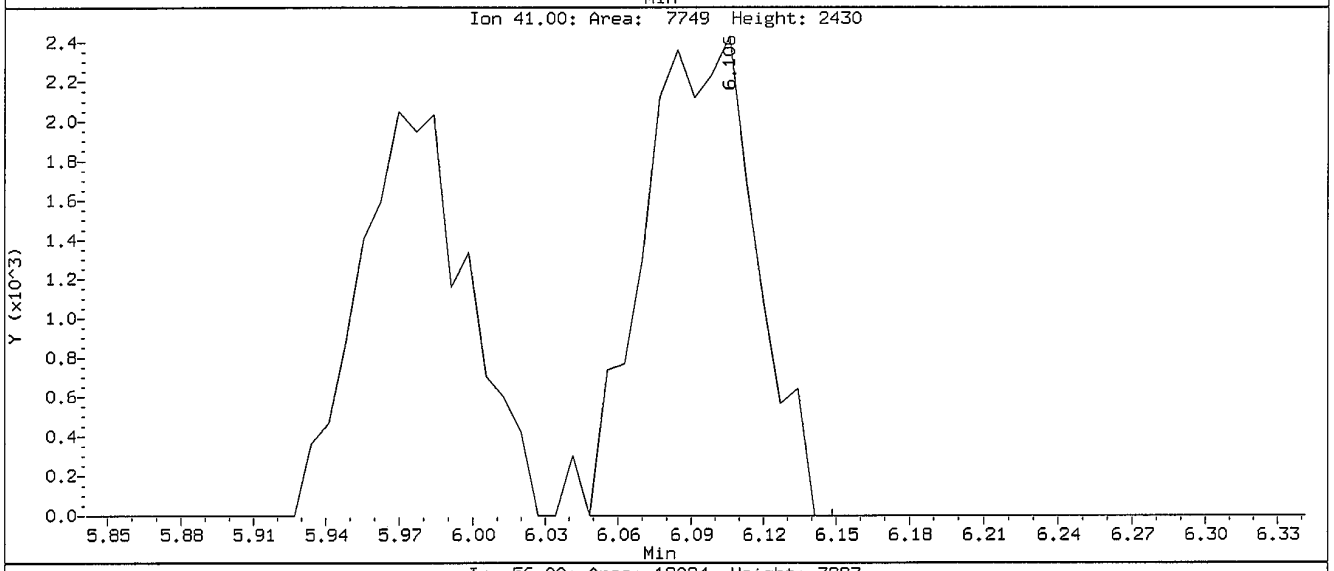
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0861.D
Injection Date: 07-DEC-2006 14:04
Instrument: MSF.i
Client Sample ID:

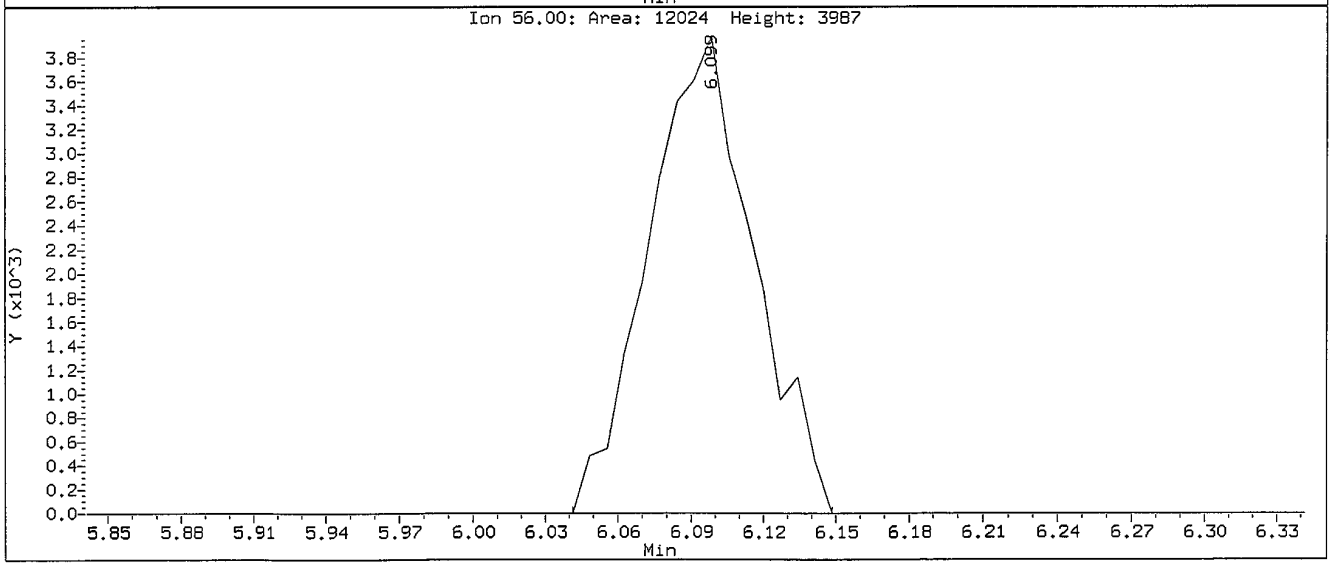
Compound: Cyclohexane
CAS Number:

MK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____







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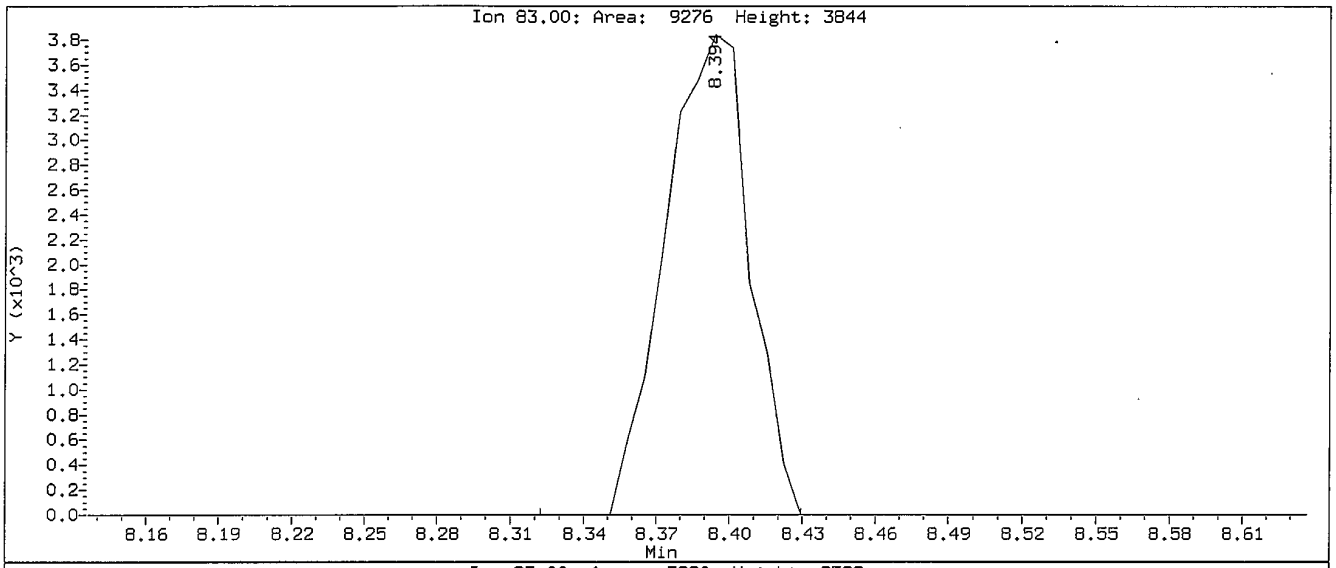
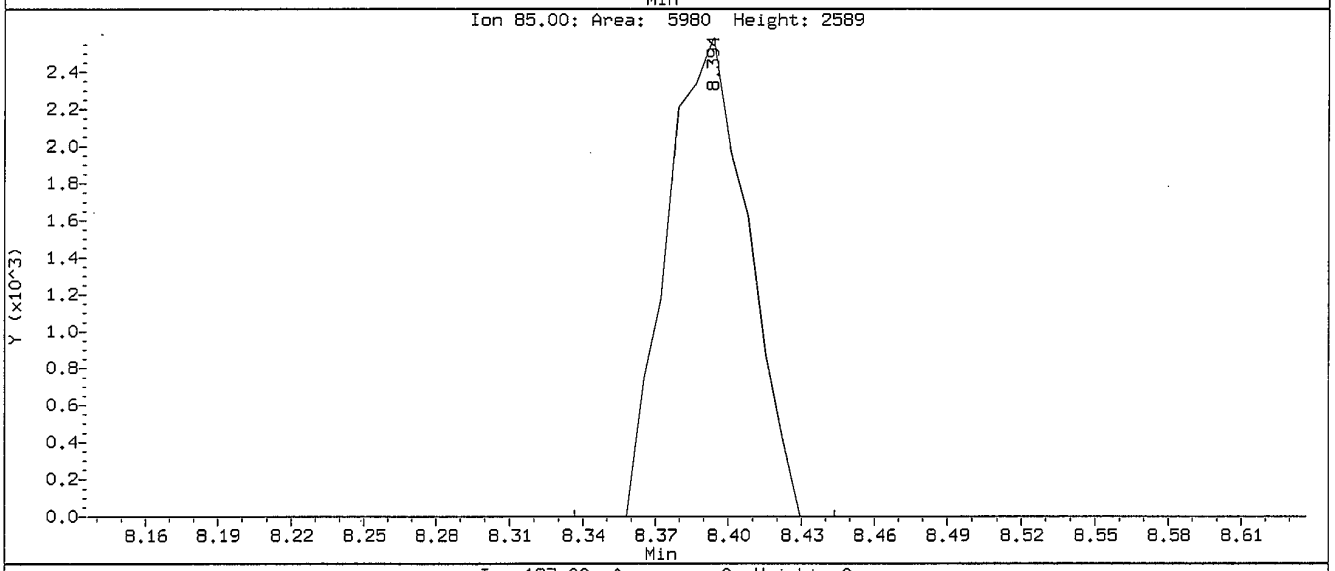
Injection Date: 07-DEC-2006 14:04
Instrument: MSF.i
Client Sample ID:

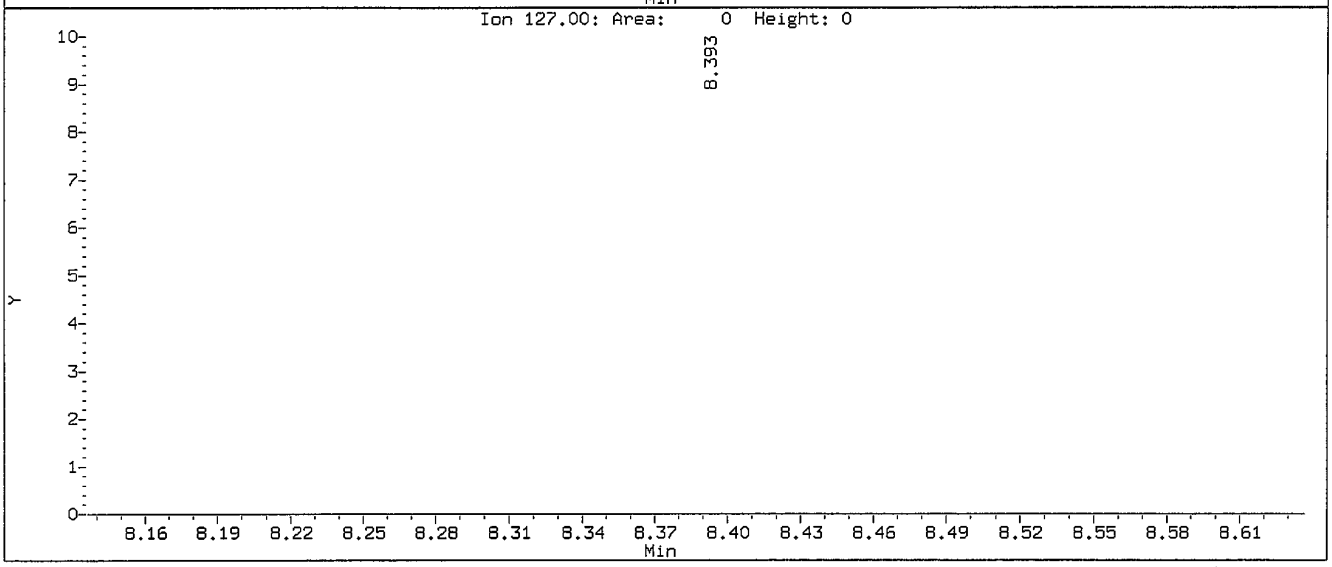
Compound: Bromodichloromethane
CAS Number: 75-27-4

JMK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





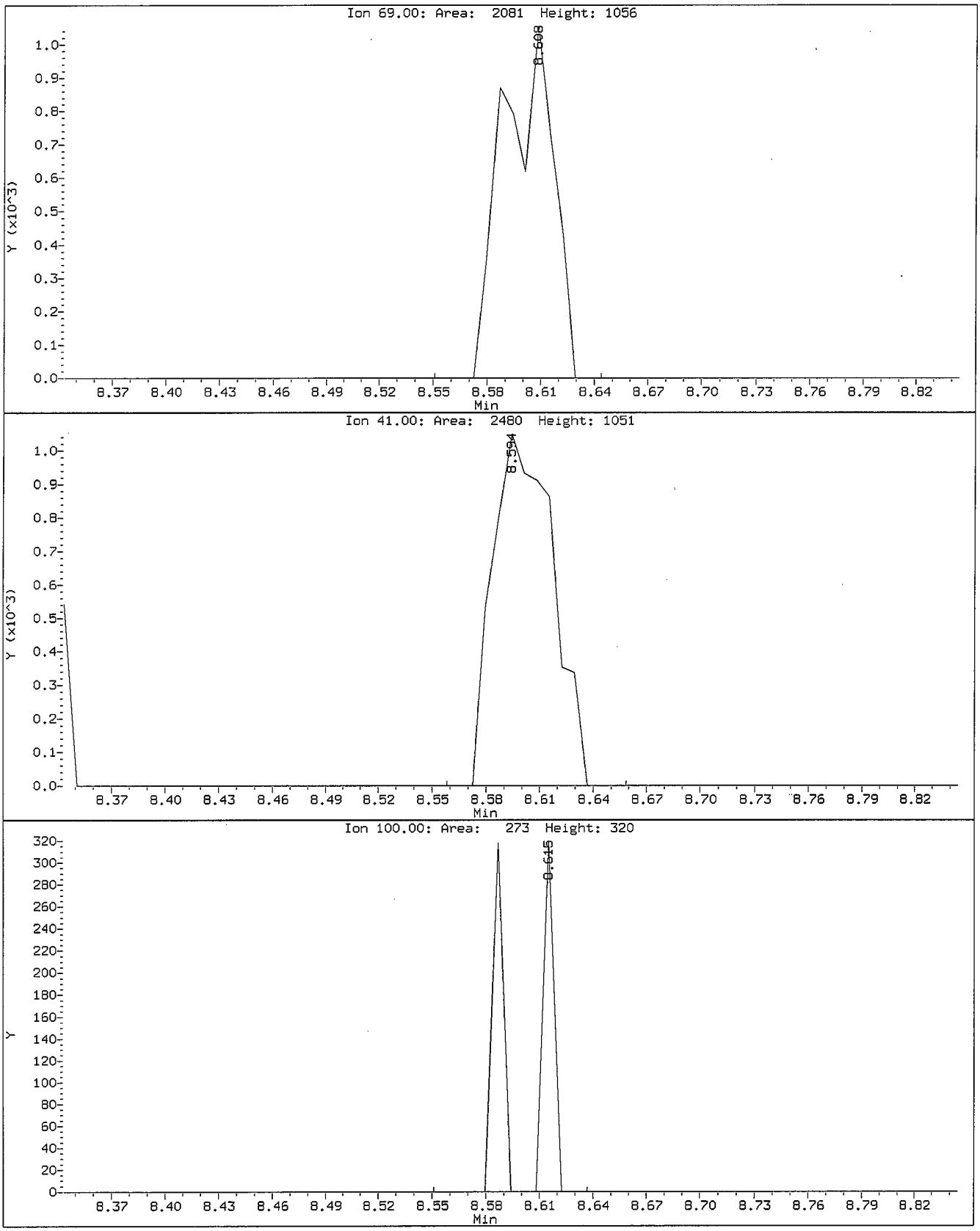


Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0861.D
Injection Date: 07-DEC-2006 14:04
Instrument: MSF.i
Client Sample ID:

Compound: Methyl methacrylate
CAS Number: 80-62-6

JMK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0862.D
Report Date: 12-Dec-2006 13:11

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061207A.b\FCAL0862.D
Lab Smp Id: VSTD005
Inj Date : 07-DEC-2006 14:29
Operator : JDH Inst ID: MSF.i
Smp Info : VSTD005;F061207A.B
Misc Info : VBLKF341A.B;
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Meth Date : 12-Dec-2006 13:11 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 14:29 Cal File: FCAL0862.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.900	1.900	(0.255)	28279	5.00000	5.266
2 Freon-114	135	2.029	2.029	(0.272)	11572	5.00000	5.146
3 Chloromethane	50	2.093	2.093	(0.281)	33031	5.00000	5.096
4 Vinyl Chloride	62	2.172	2.172	(0.291)	43460	5.00000	5.266
5 Bromomethane	94	2.494	2.494	(0.334)	28020	5.00000	5.207
6 Chloroethane	64	2.630	2.630	(0.352)	27383	5.00000	5.300
7 Trichlorofluoromethane	101	2.758	2.758	(0.370)	53087	5.00000	5.278
8 Diethyl ether	74	3.080	3.080	(0.413)	35302	10.0000	9.884
9 1,1-Dichloroethene	96	3.309	3.309	(0.443)	18824	5.00000	5.239
10 Carbon Disulfide	76	3.352	3.352	(0.449)	68327	5.00000	5.071
11 1,1,2-Trichlorofluoroethane	151	3.373	3.373	(0.452)	12396	5.00000	5.184
12 Iodomethane	142	3.481	3.481	(0.466)	19581	5.00000	5.300
13 Acrolein	56	3.724	3.724	(0.499)	2408	25.0000	23.14
14 Allyl chloride	39	3.881	3.881	(0.520)	22375	5.00000	5.426
15 Methylene Chloride	84	4.017	4.017	(0.538)	46299	5.00000	3.756
17 trans-1,2-Dichloroethene	96	4.231	4.231	(0.567)	19522	5.00000	5.247
18 Methyl Acetate	74	4.253	4.253	(0.570)	2084	5.00000	4.376
19 n-Hexane	86	4.346	4.346	(0.582)	4968	5.00000	4.585(H)
20 MTBE	73	4.374	4.374	(0.586)	43873	5.00000	4.648
21 Acetonitrile	41	4.746	4.746	(0.636)	8295	25.0000	24.73
22 2-Chloro-1,3-butadiene	53	5.061	5.061	(0.678)	25159	5.00000	4.835
23 1,1-Dichloroethane	63	5.104	5.104	(0.684)	37884	5.00000	5.023

JMR 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0862.D
Report Date: 12-Dec-2006 13:11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	24 Acrylonitrile	53	5.175	5.175	(0.693)	21399	25.0000	22.98
	25 Vinyl acetate	43	5.454	5.454	(0.731)	23888	5.00000	4.264
M	26 1,2-Dichloroethene (total)	96				38096	10.0000	10.14
	27 cis-1,2-Dichloroethene	96	5.833	5.833	(0.782)	18574	5.00000	4.898
	28 2,2-Dichloropropane	77	5.976	5.976	(0.801)	26013	5.00000	5.089
	29 Cyclohexane	84	6.098	6.098	(0.817)	26492	5.00000	5.042
	30 Bromochloromethane	128	6.090	6.090	(0.816)	7513	5.00000	4.790
	31 Chloroform	83	6.190	6.190	(0.829)	34993	5.00000	5.083
	33 Ethyl acetate	45	6.369	6.369	(0.853)	3425	10.0000	8.399
	32 Carbon Tetrachloride	117	6.362	6.362	(0.852)	24757	5.00000	4.970
	34 Tetrahydrofuran	71	6.398	6.398	(0.857)	6266	25.0000	20.45
$	35 Dibromofluoromethane	113	6.426	6.426	(0.861)	14568	5.00000	4.907
	36 1,1,1-Trichloroethane	97	6.455	6.455	(0.865)	30268	5.00000	5.166
	37 2-Butanone	43	6.612	6.612	(0.886)	5517	5.00000	2.189
	39 1,1-Dichloropropene	75	6.619	6.619	(0.887)	24284	5.00000	4.930
	40 Benzene	78	6.941	6.941	(0.930)	76194	5.00000	4.948
	41 Propionitrile	54	6.977	6.977	(0.935)	8467	25.0000	23.14
	42 Methacrylonitrile	41	7.006	7.006	(0.939)	34348	25.0000	20.72
$	43 1,2-Dichloroethane-d4	65	7.106	7.106	(0.952)	20327	5.00000	5.194
	44 1,2-Dichloroethane	62	7.199	7.199	(0.965)	22706	5.00000	4.976
	45 Isobutanol	43	7.234	7.234	(0.969)	9656	100.000	79.42
*	46 Fluorobenzene	96	7.463	7.463	(1.000)	665993	50.0000	
	47 Methylcyclohexane	55	7.649	7.649	(1.025)	28488	5.00000	4.870
	48 Trichloroethene	95	7.671	7.671	(1.028)	17822	5.00000	4.934
	49 n-Butanol	56	8.100	8.100	(1.085)	2560	50.0000	2.426(MH)
	50 Dibromomethane	93	8.185	8.185	(1.097)	8915	5.00000	5.035
	51 1,2-Dichloropropane	63	8.314	8.314	(1.114)	18709	5.00000	4.967
	52 Bromodichloromethane	83	8.386	8.386	(1.124)	23480	5.00000	4.902
	53 Methyl methacrylate	69	8.600	8.600	(1.152)	6205	5.00000	4.083
	54 1,4-Dioxane	88	8.629	8.629	(1.156)	1182	100.000	61.39(M)
	55 2-Chloroethylvinyl ether	63	9.101	9.101	(1.219)	5455	5.00000	4.168
	56 cis-1,3-Dichloropropene	75	9.158	9.158	(1.227)	22377	5.00000	4.377
$	57 Toluene-d8	98	9.379	9.379	(0.859)	54375	5.00000	5.061
	58 Toluene	92	9.429	9.429	(0.864)	38394	5.00000	4.754
	59 2-Nitropropane	43	9.701	9.701	(0.889)	5412	5.00000	2.581
	60 Tetrachloroethene	164	9.844	9.844	(0.902)	11148	5.00000	4.884
	62 4-Methyl-2-pentanone	43	9.844	9.844	(1.319)	8670	5.00000	3.779
	63 trans-1,3-Dichloropropene	75	9.880	9.880	(0.905)	17216	5.00000	4.525
	64 1,1,2-Trichloroethane	83	10.037	10.037	(0.919)	10008	5.00000	5.024
	65 Ethyl methacrylate	69	10.052	10.052	(0.921)	10836	5.00000	3.791
	66 Chlorodibromomethane	129	10.216	10.216	(0.936)	11690	5.00000	4.624
	67 1,3-Dichloropropane	76	10.309	10.309	(0.944)	21400	5.00000	4.848
	68 1,2-Dibromoethane	107	10.452	10.452	(0.957)	9255	5.00000	4.812
	69 2-Hexanone	43	10.666	10.666	(0.977)	4790	5.00000	3.522
*	70 Chlorobenzene-d5	117	10.917	10.917	(1.000)	382769	50.0000	
	71 Chlorobenzene	112	10.931	10.931	(1.001)	42343	5.00000	5.006
	72 Ethylbenzene	91	10.952	10.952	(1.003)	79997	5.00000	4.984
	73 1,1,1,2-Tetrachloroethane	131	10.988	10.988	(1.007)	14916	5.00000	5.024
	74 m,p-Xylenes	106	11.081	11.081	(1.015)	54639	10.0000	9.573
	75 o-Xylene	106	11.446	11.446	(1.048)	25324	5.00000	4.706
	76 Styrene	104	11.489	11.489	(1.052)	34757	5.00000	4.457
	77 Bromoform	173	11.517	11.517	(0.900)	6327	5.00000	4.818
	78 Isopropylbenzene	105	11.703	11.703	(1.072)	61542	5.00000	4.826
$	79 4-Bromofluorobenzene	95	11.939	11.939	(0.933)	20077	5.00000	5.126

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0862.D
Report Date: 12-Dec-2006 13:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
80 Bromobenzene	156	12.025	12.025	(0.940)	14403	5.00000	4.818
81 n-Propylbenzene	91	12.032	12.032	(0.941)	91123	5.00000	5.057
82 1,1,2,2-Tetrachloroethane	83	12.089	12.089	(0.945)	14204	5.00000	4.693
83 2-Chlorotoluene	91	12.168	12.168	(1.630)	61190	5.00000	4.744
84 1,3,5-Trimethylbenzene	105	12.182	12.182	(0.952)	62114	5.00000	4.890
85 1,2,3-Trichloropropane	75	12.204	12.204	(0.954)	13578	5.00000	4.715(M)
86 trans-1,4-dichloro-2-butene	53	12.232	12.232	(0.956)	4158	5.00000	1.175(a)
87 Cyclohexanone	55	12.247	12.247	(1.122)	6718	50.0000	46.58
88 4-Chlorotoluene	91	12.290	12.290	(1.647)	55147	5.00000	4.766
89 t-Butylbenzene	119	12.433	12.433	(0.972)	58065	5.00000	4.713
90 Pentachloroethane	167	12.454	12.454	(0.974)	9787	5.00000	4.954
91 1,2,4-Trimethylbenzene	105	12.483	12.483	(0.976)	64727	5.00000	4.933
92 sec-Butylbenzene	105	12.561	12.561	(0.982)	81274	5.00000	4.858
93 4-Isopropyltoluene	119	12.661	12.661	(0.990)	62492	5.00000	4.915
94 1,3-Dichlorobenzene	146	12.740	12.740	(0.996)	30920	5.00000	4.936
* 95 1,4 Dichlorobenzene-d4	152	12.790	12.790	(1.000)	187221	50.0000	
96 1,4-Dichlorobenzene	146	12.804	12.804	(1.001)	34738	5.00000	5.060
98 n-Butylbenzene	91	12.976	12.976	(1.015)	68437	5.00000	4.850
99 1,2-Dichlorobenzene	146	13.119	13.119	(1.026)	30428	5.00000	4.992
145 Nonanal	57	13.677	13.677	(1.069)	5410	5.00000	3.691(A)
100 1,2-Dibromo-3-chloropropane	157	13.691	13.691	(1.070)	1834	5.00000	3.866
101 Hexachlorobutadiene	225	14.120	14.120	(1.104)	10818	5.00000	4.801
104 1,2,4-Trichlorobenzene	180	14.156	14.156	(1.107)	20866	5.00000	4.800
105 Naphthalene	128	14.385	14.385	(1.125)	42486	5.00000	4.300
106 1,2,3-Trichlorobenzene	180	14.520	14.520	(1.135)	19452	5.00000	4.747
M 107 Xylenes (total)	106				79963	15.0000	14.28

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.
H - Operator selected an alternate compound hit.

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0862.D
Report Date: 10-Dec-2006 17:24

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FCAL0862.D
Lab Smp Id: VSTD005
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Misc Info: VBLKF341A.B;

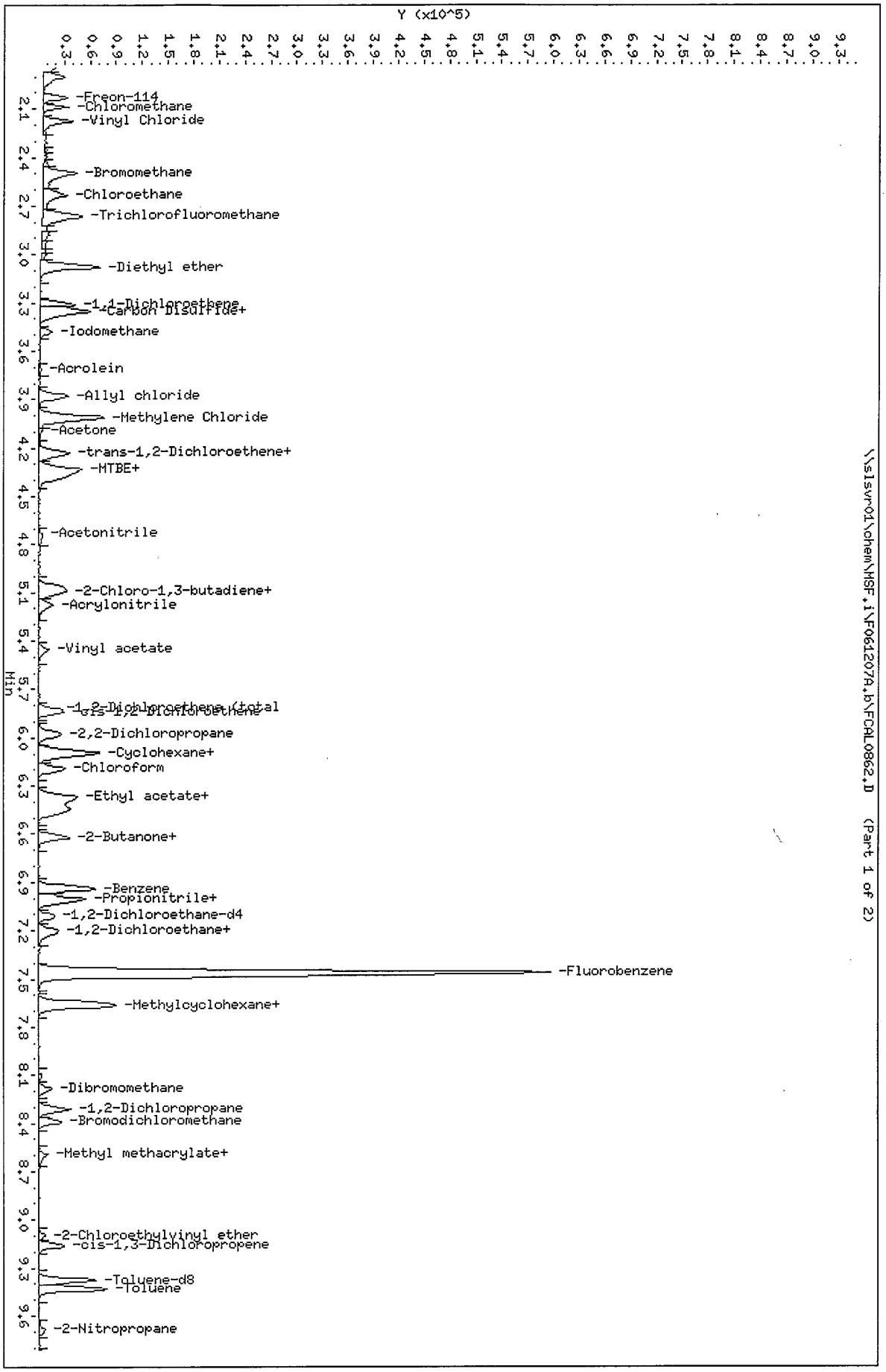
Calibration Date: 07-DEC-2006
Calibration Time: 15:42

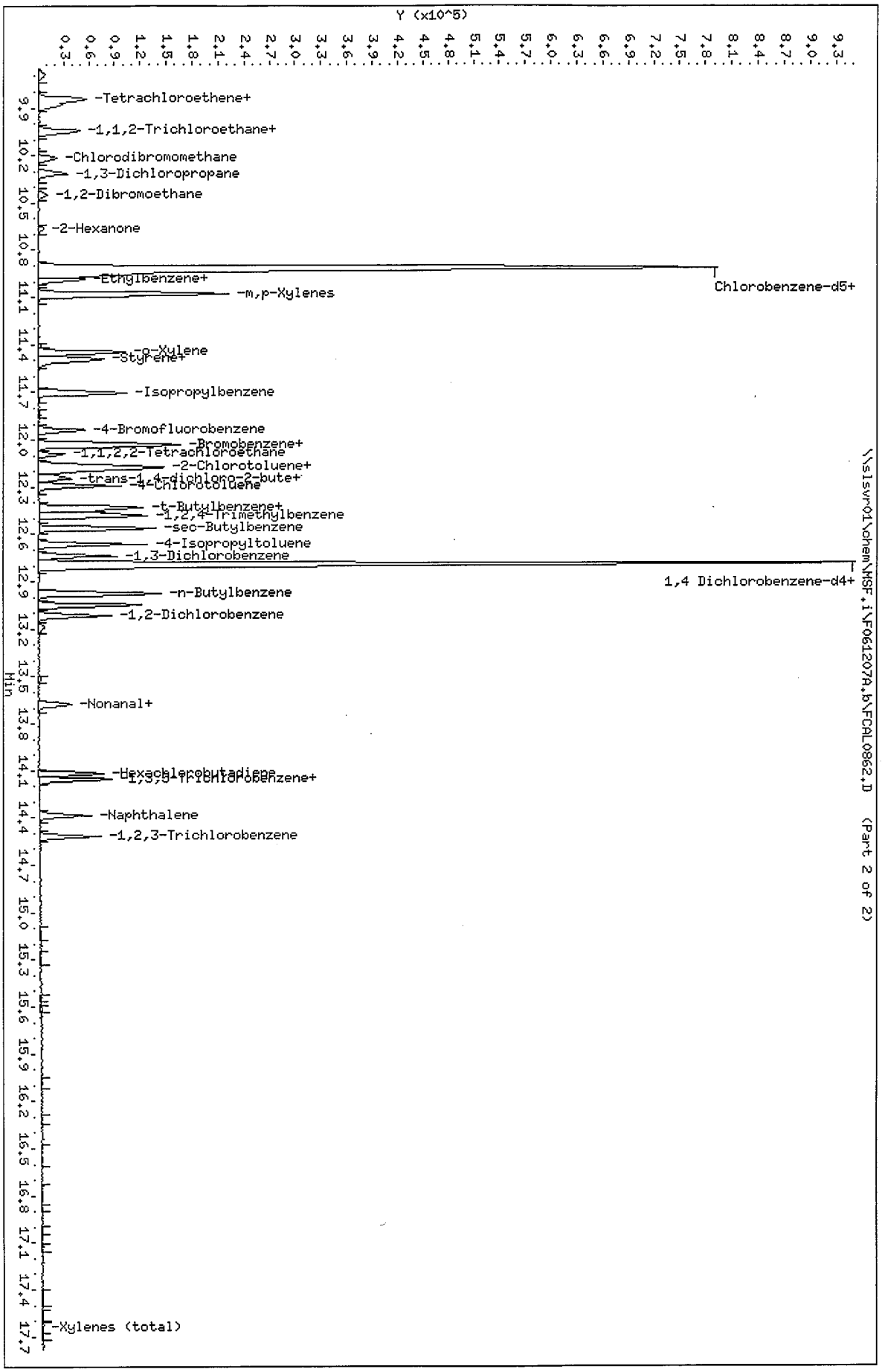
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	706088	353044	1412176	665993	-5.68
70 Chlorobenzene-d5	427557	213779	855114	382769	-10.48
95 1,4 Dichlorobenze	200765	100383	401530	187221	-6.75

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	-0.01
70 Chlorobenzene-d5	10.92	10.42	11.42	10.92	-0.01
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.


Data File: \\slsvr01\chem\MSF,i\F061207A,b\FCAL0862.D
Date : 07-DEC-2006 14:29
Client ID:
Sample Info: VSTD005;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0862.D (Part 1 of 2)
Y (x10^5)
Min
-Freon-114
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Diethyl ether
-1,1-Dichloroethene
-Carbon Disulfide+
-Iodomethane
-Acrolein
-Allyl chloride
-Methylene Chloride
-Acetone
-trans-1,2-Dichloroethene+
-MTBE+
-Acetonitrile
-2-Chloro-1,3-butadiene+
-Acrylonitrile
-Vinyl acetate
-1,2-Dichloroethene (total
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Cyclohexane+
-Chloroform
-Ethyl acetate+
-2-Butanone+
-Benzene
-Propionitrile+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Methylcyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl methacrylate+
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-2-Nitropropane

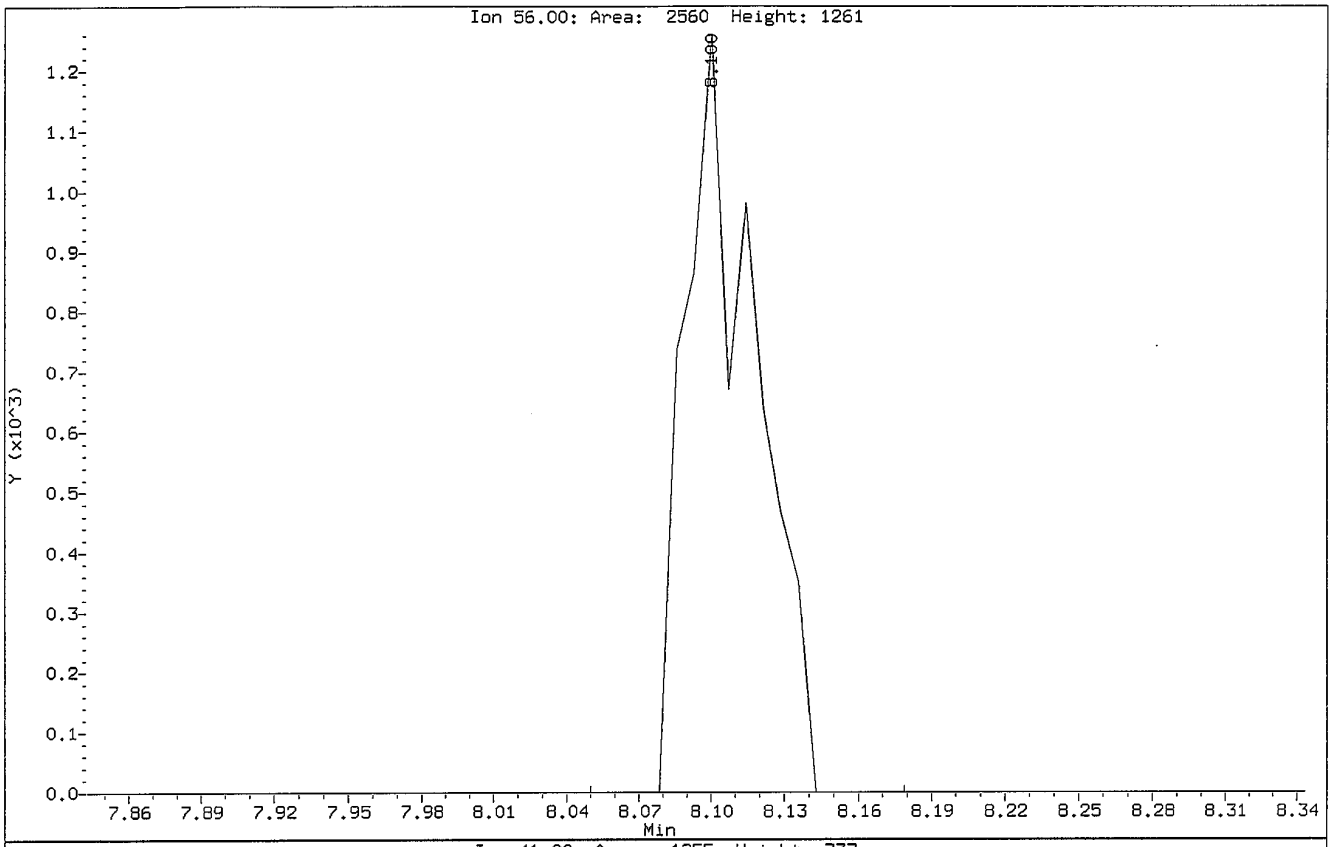

Data File: \\slsvr01\chem\MSF,i\F061207A,b\FCAL0862,D
Date : 07-DEC-2006 14:29
Client ID:
Sample Info: VSTD005;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0862,D (Part 2 of 2)
Y (x10^5)
Min
-Tetrachloroethene+
-1,1,2-Trichloroethane+
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
Chlorobenzene-d5+
-Ethylbenzene+
-m,p-Xylenes
-o-Xylene
-Styrene+
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-2-Chlorotoluene+
-trans-1,4-dichloro-2-bute+
-4-Chlorotoluene
-t-Butylbenzene+
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Nonanal+
-Hexachlorobutadiene
-1,3,5-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene
-Xylenes (total)

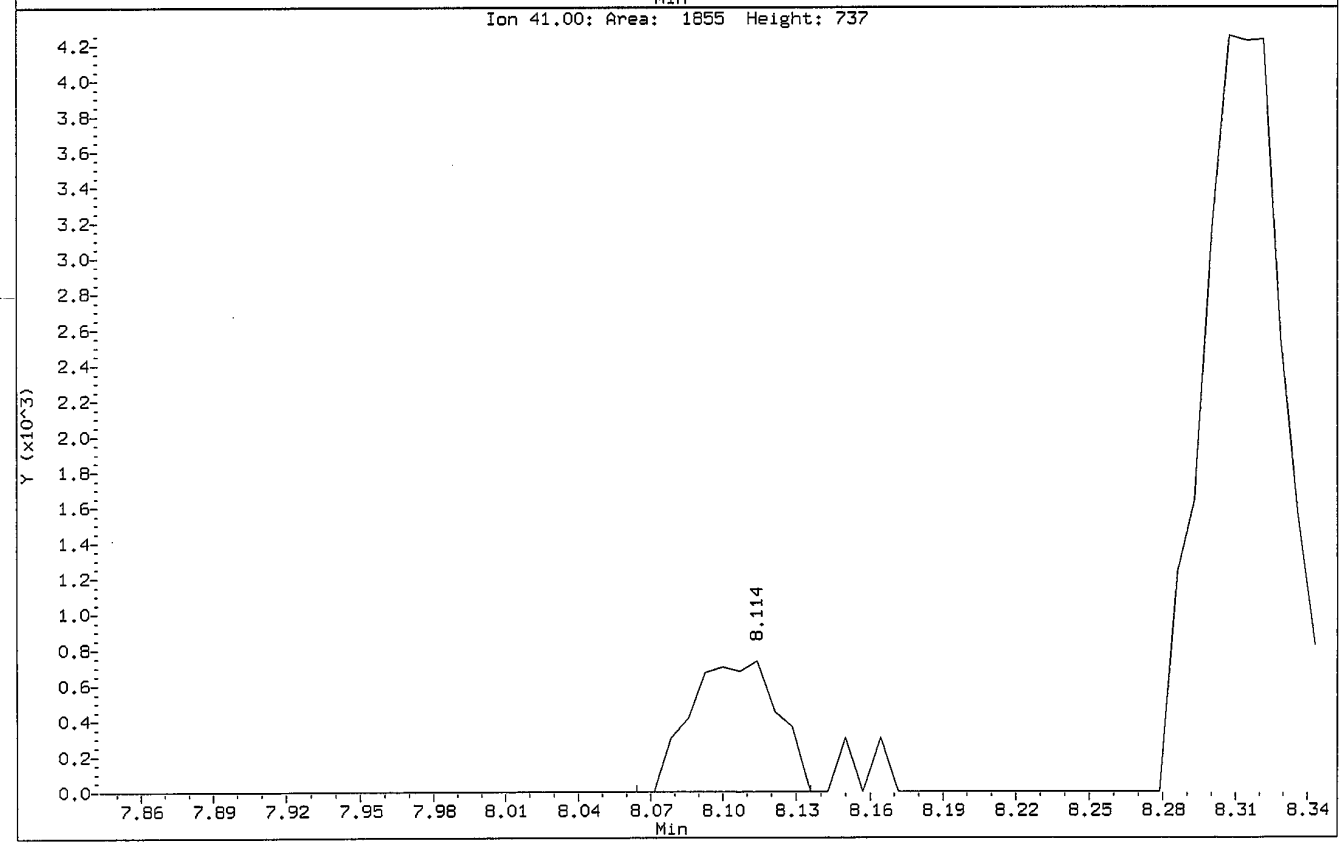
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0862.D
Injection Date: 07-DEC-2006 14:29
Instrument: MSF.i
Client Sample ID:

Compound: n-Butanol
CAS Number: 71-36-3

JMK 12-12-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



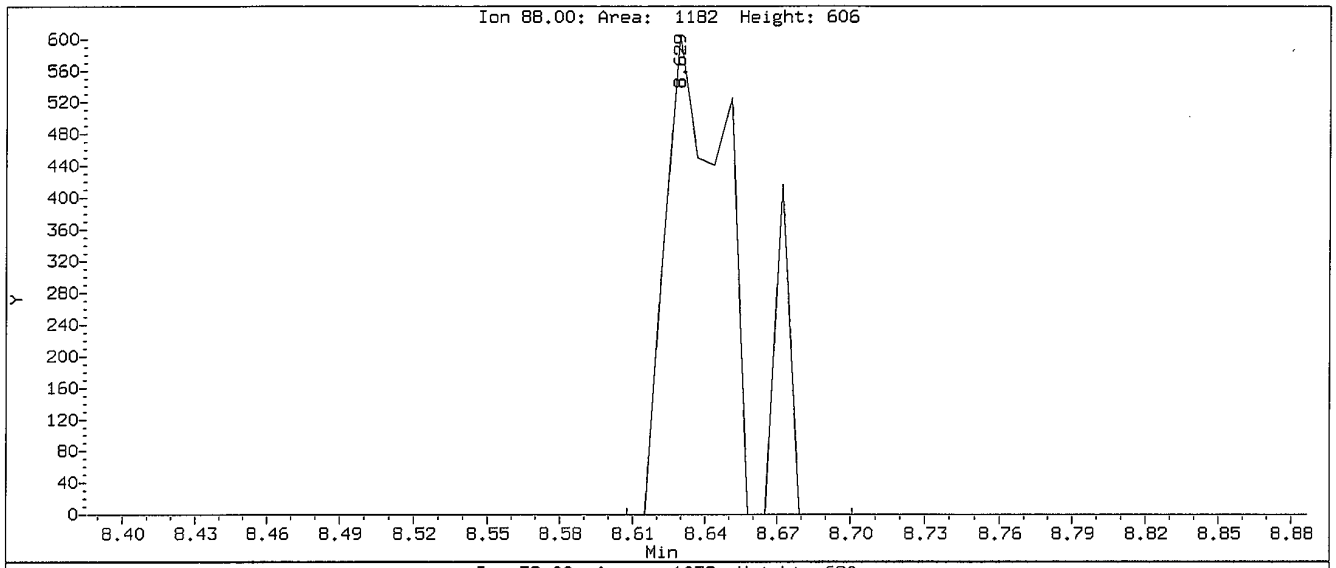


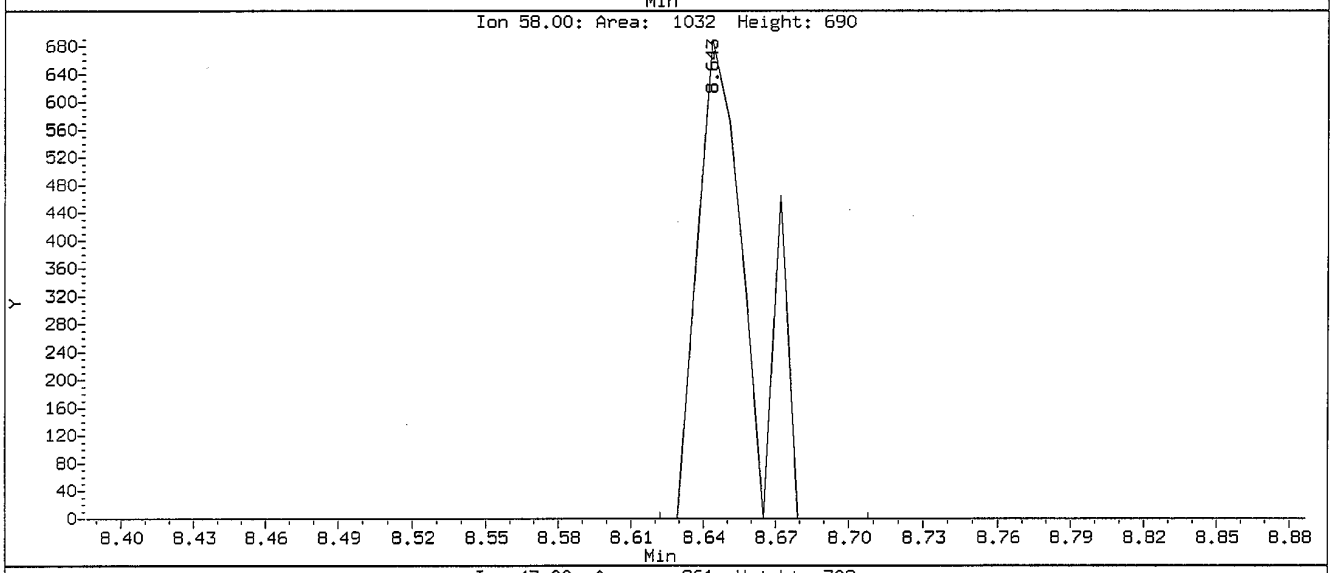
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0862.D
Injection Date: 07-DEC-2006 14:29
Instrument: MSF.i
Client Sample ID:

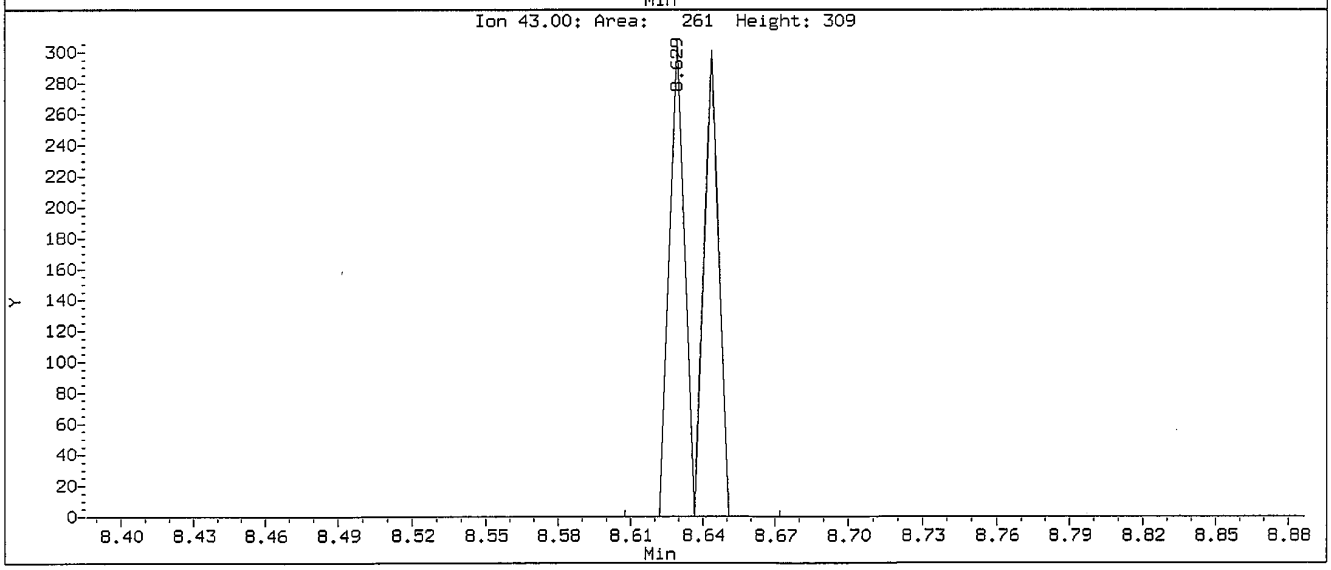
Compound: 1,4-Dioxane
CAS Number: 123-91-1

JSK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





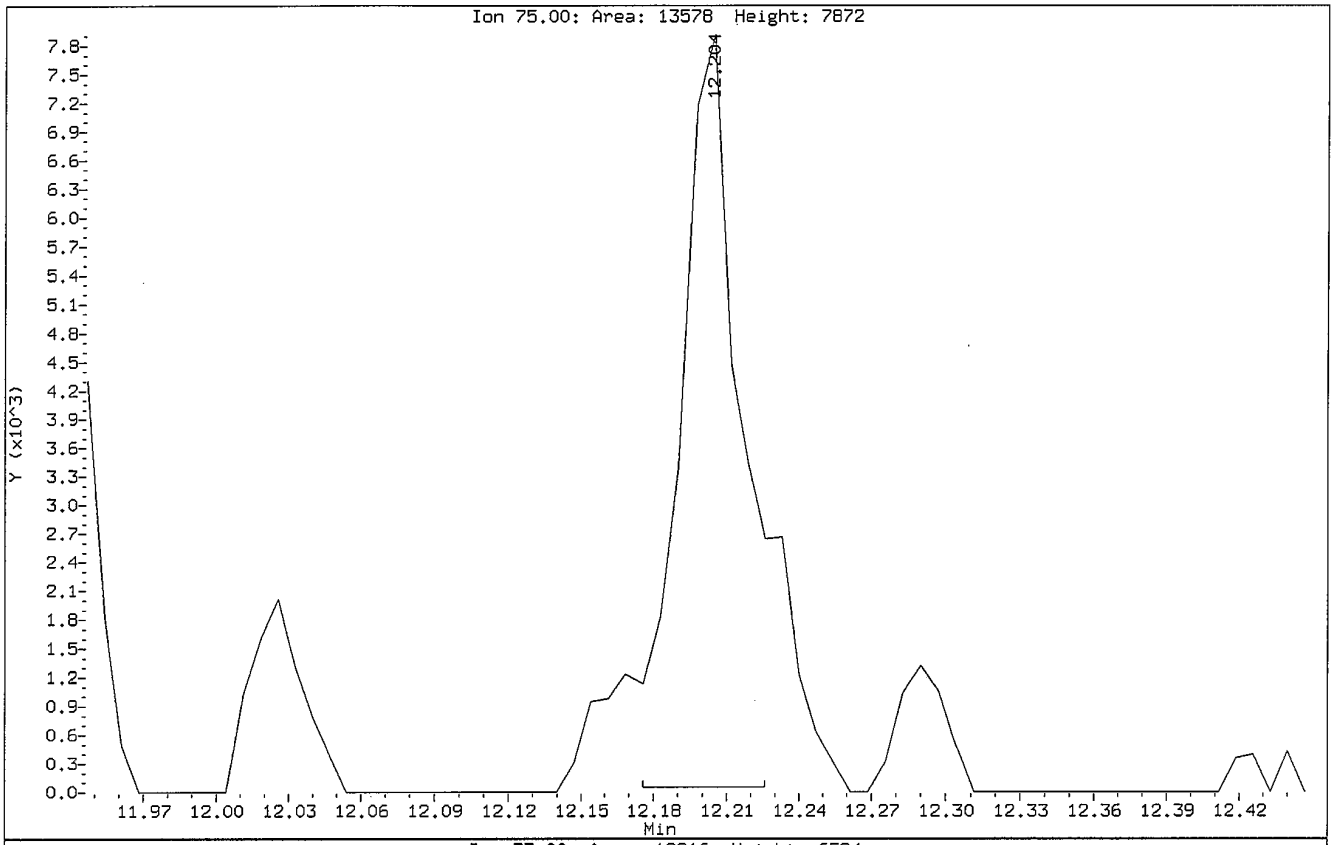


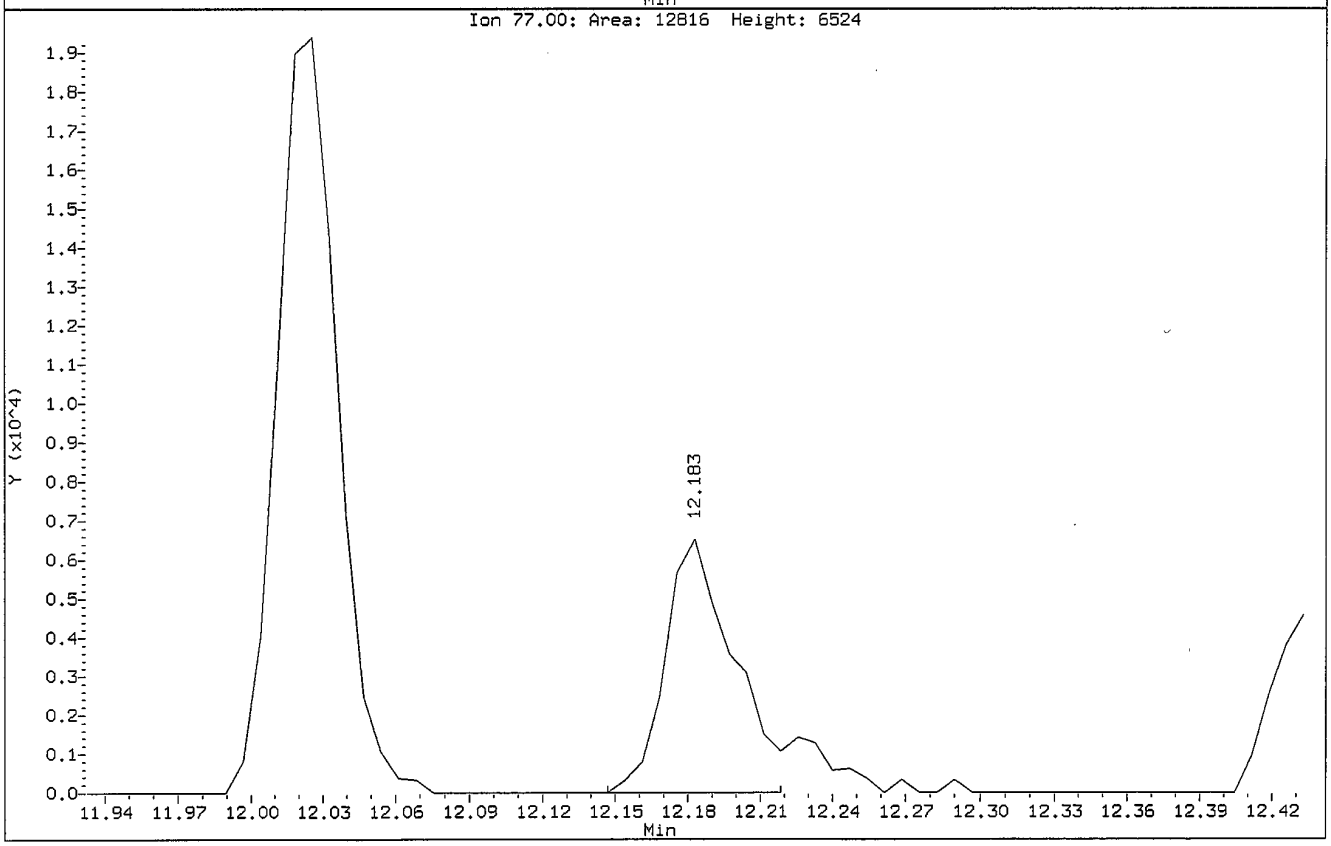
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0862.D
Injection Date: 07-DEC-2006 14:29
Instrument: MSF.i
Client Sample ID:

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4

dpk 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0863.D
Report Date: 12-Dec-2006 13:12

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061207A.b\FCAL0863.D
Lab Smp Id: VSTD010
Inj Date : 07-DEC-2006 14:53
Operator : JDH Inst ID: MSF.i
Smp Info : VSTD010;F061207A.B
Misc Info : VBLKF341A.B;
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Meth Date : 12-Dec-2006 13:11 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 14:53 Cal File: FCAL0863.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.901	1.901	(0.255)	57703	10.0000	10.76
2 Freon-114	135	2.029	2.029	(0.272)	24174	10.0000	10.76
3 Chloromethane	50	2.086	2.086	(0.280)	70823	10.0000	10.94
4 Vinyl Chloride	62	2.172	2.172	(0.291)	91609	10.0000	11.11
5 Bromomethane	94	2.501	2.501	(0.335)	70307	10.0000	13.08
6 Chloroethane	64	2.630	2.630	(0.352)	55490	10.0000	10.75
7 Trichlorofluoromethane	101	2.766	2.766	(0.371)	106146	10.0000	10.56
8 Diethyl ether	74	3.073	3.073	(0.412)	78235	20.0000	21.93
9 1,1-Dichloroethene	96	3.309	3.309	(0.443)	36410	10.0000	10.14
10 Carbon Disulfide	76	3.352	3.352	(0.449)	136081	10.0000	10.11
11 1,1,2-Trichlorofluoroethane	151	3.366	3.366	(0.451)	24509	10.0000	10.26
12 Iodomethane	142	3.481	3.481	(0.466)	38988	10.0000	10.56
13 Acrolein	56	3.717	3.717	(0.498)	5765	50.0000	55.46
14 Allyl chloride	39	3.881	3.881	(0.520)	43741	10.0000	10.62
15 Methylene Chloride	84	4.010	4.010	(0.537)	64523	10.0000	8.729
16 Acetone	43	4.088	4.088	(0.548)	11742	10.0000	7.054
17 trans-1,2-Dichloroethene	96	4.224	4.224	(0.566)	37949	10.0000	10.21
18 Methyl Acetate	74	4.239	4.239	(0.568)	4909	10.0000	10.32
19 n-Hexane	86	4.332	4.332	(0.580)	11105	10.0000	10.26(H)
20 MTBE	73	4.374	4.374	(0.586)	102888	10.0000	10.91
21 Acetonitrile	41	4.746	4.746	(0.636)	17876	50.0000	53.36
22 2-Chloro-1,3-butadiene	53	5.068	5.068	(0.679)	51775	10.0000	9.960

OMR 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0863.D
Report Date: 12-Dec-2006 13:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	5.097	5.097	(0.683)	79126	10.0000	10.50
	24 Acrylonitrile	53	5.175	5.175	(0.693)	48835	50.0000	52.50
	25 Vinyl acetate	43	5.454	5.454	(0.731)	57333	10.0000	10.24
M	26 1,2-Dichloroethene (total)	96				78630	20.0000	20.95
	27 cis-1,2-Dichloroethene	96	5.833	5.833	(0.782)	40681	10.0000	10.74
	28 2,2-Dichloropropane	77	5.976	5.976	(0.801)	55377	10.0000	10.84
	29 Cyclohexane	84	6.091	6.091	(0.816)	55112	10.0000	10.50
	30 Bromochloromethane	128	6.091	6.091	(0.816)	16680	10.0000	10.64
	31 Chloroform	83	6.198	6.198	(0.830)	72702	10.0000	10.57
	33 Ethyl acetate	45	6.369	6.369	(0.853)	8640	20.0000	21.21
	32 Carbon Tetrachloride	117	6.369	6.369	(0.853)	52528	10.0000	10.56
	34 Tetrahydrofuran	71	6.405	6.405	(0.858)	16533	50.0000	54.01
$	35 Dibromofluoromethane	113	6.427	6.427	(0.861)	31168	10.0000	10.51
	36 1,1,1-Trichloroethane	97	6.462	6.462	(0.866)	61609	10.0000	10.52
	37 2-Butanone	43	6.605	6.605	(0.885)	12507	10.0000	8.480
	39 1,1-Dichloropropene	75	6.620	6.620	(0.887)	51748	10.0000	10.52
	40 Benzene	78	6.934	6.934	(0.929)	161333	10.0000	10.49
	41 Propionitrile	54	6.977	6.977	(0.935)	20507	50.0000	56.11
	42 Methacrylonitrile	41	7.013	7.013	(0.940)	91255	50.0000	55.11
$	43 1,2-Dichloroethane-d4	65	7.113	7.113	(0.953)	43113	10.0000	11.03
	44 1,2-Dichloroethane	62	7.199	7.199	(0.965)	51673	10.0000	11.34
	45 Isobutanol	43	7.220	7.220	(0.967)	27132	200.000	223.4
*	46 Fluorobenzene	96	7.463	7.463	(1.000)	665313	50.0000	
	47 Methylcyclohexane	55	7.656	7.656	(1.026)	62512	10.0000	10.70
	48 Trichloroethene	95	7.671	7.671	(1.028)	37361	10.0000	10.35
	49 n-Butanol	56	8.093	8.093	(1.084)	6330	100.000	70.89(MH)
	50 Dibromomethane	93	8.178	8.178	(1.096)	19008	10.0000	10.75
	51 1,2-Dichloropropane	63	8.314	8.314	(1.114)	39860	10.0000	10.59
	52 Bromodichloromethane	83	8.393	8.393	(1.125)	50112	10.0000	10.47
	53 Methyl methacrylate	69	8.600	8.600	(1.152)	14914	10.0000	9.825
	54 1,4-Dioxane	88	8.643	8.643	(1.158)	3949	200.000	205.3(M)
	55 2-Chloroethylvinyl ether	63	9.094	9.094	(1.218)	12558	10.0000	9.606
	56 cis-1,3-Dichloropropene	75	9.158	9.158	(1.227)	53471	10.0000	10.47
$	57 Toluene-d8	98	9.372	9.372	(0.859)	114210	10.0000	10.55
	58 Toluene	92	9.430	9.430	(0.864)	88166	10.0000	10.84
	59 2-Nitropropane	43	9.687	9.687	(0.887)	14133	10.0000	9.883
	60 Tetrachloroethene	164	9.851	9.851	(0.902)	25233	10.0000	10.98
	62 4-Methyl-2-pentanone	43	9.851	9.851	(1.320)	24987	10.0000	10.90
	63 trans-1,3-Dichloropropene	75	9.880	9.880	(0.905)	43049	10.0000	11.23
	64 1,1,2-Trichloroethane	83	10.045	10.045	(0.920)	21754	10.0000	10.84
	65 Ethyl methacrylate	69	10.052	10.052	(0.921)	30276	10.0000	10.52
	66 Chlorodibromomethane	129	10.216	10.216	(0.936)	27493	10.0000	10.80
	67 1,3-Dichloropropane	76	10.316	10.316	(0.945)	48169	10.0000	10.84
	68 1,2-Dibromoethane	107	10.445	10.445	(0.957)	21542	10.0000	11.12
	69 2-Hexanone	43	10.659	10.659	(0.976)	15033	10.0000	10.98
*	70 Chlorobenzene-d5	117	10.917	10.917	(1.000)	385492	50.0000	
	71 Chlorobenzene	112	10.931	10.931	(1.001)	89418	10.0000	10.50
	72 Ethylbenzene	91	10.953	10.953	(1.003)	172130	10.0000	10.65
	73 1,1,1,2-Tetrachloroethane	131	10.988	10.988	(1.007)	31445	10.0000	10.52
	74 m,p-Xylenes	106	11.081	11.081	(1.015)	121569	20.0000	21.15
	75 o-Xylene	106	11.446	11.446	(1.048)	56192	10.0000	10.37
	76 Styrene	104	11.489	11.489	(1.052)	85268	10.0000	10.86
	77 Bromoform	173	11.517	11.517	(0.900)	14431	10.0000	10.77
	78 Isopropylbenzene	105	11.703	11.703	(1.072)	139435	10.0000	10.86

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0863.D
Report Date: 12-Dec-2006 13:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 79 4-Bromofluorobenzene	95	11.939	11.939	(0.933)	40137	10.0000	10.04
80 Bromobenzene	156	12.025	12.025	(0.940)	31129	10.0000	10.20
81 n-Propylbenzene	91	12.032	12.032	(0.941)	196647	10.0000	10.69
82 1,1,2,2-Tetrachloroethane	83	12.089	12.089	(0.945)	35706	10.0000	11.56
83 2-Chlorotoluene	91	12.161	12.161	(1.629)	131293	10.0000	10.19
84 1,3,5-Trimethylbenzene	105	12.182	12.182	(0.952)	137471	10.0000	10.60
85 1,2,3-Trichloropropane	75	12.204	12.204	(0.954)	32004	10.0000	10.89(M)
86 trans-1,4-dichloro-2-butene	53	12.232	12.232	(0.956)	9388	10.0000	8.194
87 Cyclohexanone	55	12.247	12.247	(1.122)	15645	100.000	107.7
88 4-Chlorotoluene	91	12.290	12.290	(1.647)	120373	10.0000	10.41
89 t-Butylbenzene	119	12.433	12.433	(0.972)	127906	10.0000	10.17
90 Pentachloroethane	167	12.454	12.454	(0.974)	19995	10.0000	9.918
91 1,2,4-Trimethylbenzene	105	12.483	12.483	(0.976)	141130	10.0000	10.54
92 sec-Butylbenzene	105	12.561	12.561	(0.982)	180503	10.0000	10.57
93 4-Isopropyltoluene	119	12.661	12.661	(0.990)	136403	10.0000	10.51
94 1,3-Dichlorobenzene	146	12.740	12.740	(0.996)	66651	10.0000	10.43
* 95 1,4 Dichlorobenzene-d4	152	12.790	12.790	(1.000)	191055	50.0000	
96 1,4-Dichlorobenzene	146	12.804	12.804	(1.001)	71190	10.0000	10.16
98 n-Butylbenzene	91	12.976	12.976	(1.015)	151922	10.0000	10.55
99 1,2-Dichlorobenzene	146	13.119	13.119	(1.026)	64528	10.0000	10.37
145 Nonanal	57	13.677	13.677	(1.069)	13410	10.0000	8.966(A)
100 1,2-Dibromo-3-chloropropane	157	13.691	13.691	(1.070)	5586	10.0000	11.54
101 Hexachlorobutadiene	225	14.120	14.120	(1.104)	23382	10.0000	10.17
104 1,2,4-Trichlorobenzene	180	14.156	14.156	(1.107)	43395	10.0000	9.782
105 Naphthalene	128	14.385	14.385	(1.125)	108469	10.0000	10.76
106 1,2,3-Trichlorobenzene	180	14.521	14.521	(1.135)	43316	10.0000	10.36
M 107 Xylenes (total)	106				177761	30.0000	31.52

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0863.D
Report Date: 10-Dec-2006 17:24

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FCAL0863.D
Lab Smp Id: VSTD010
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Misc Info: VBLKF341A.B;

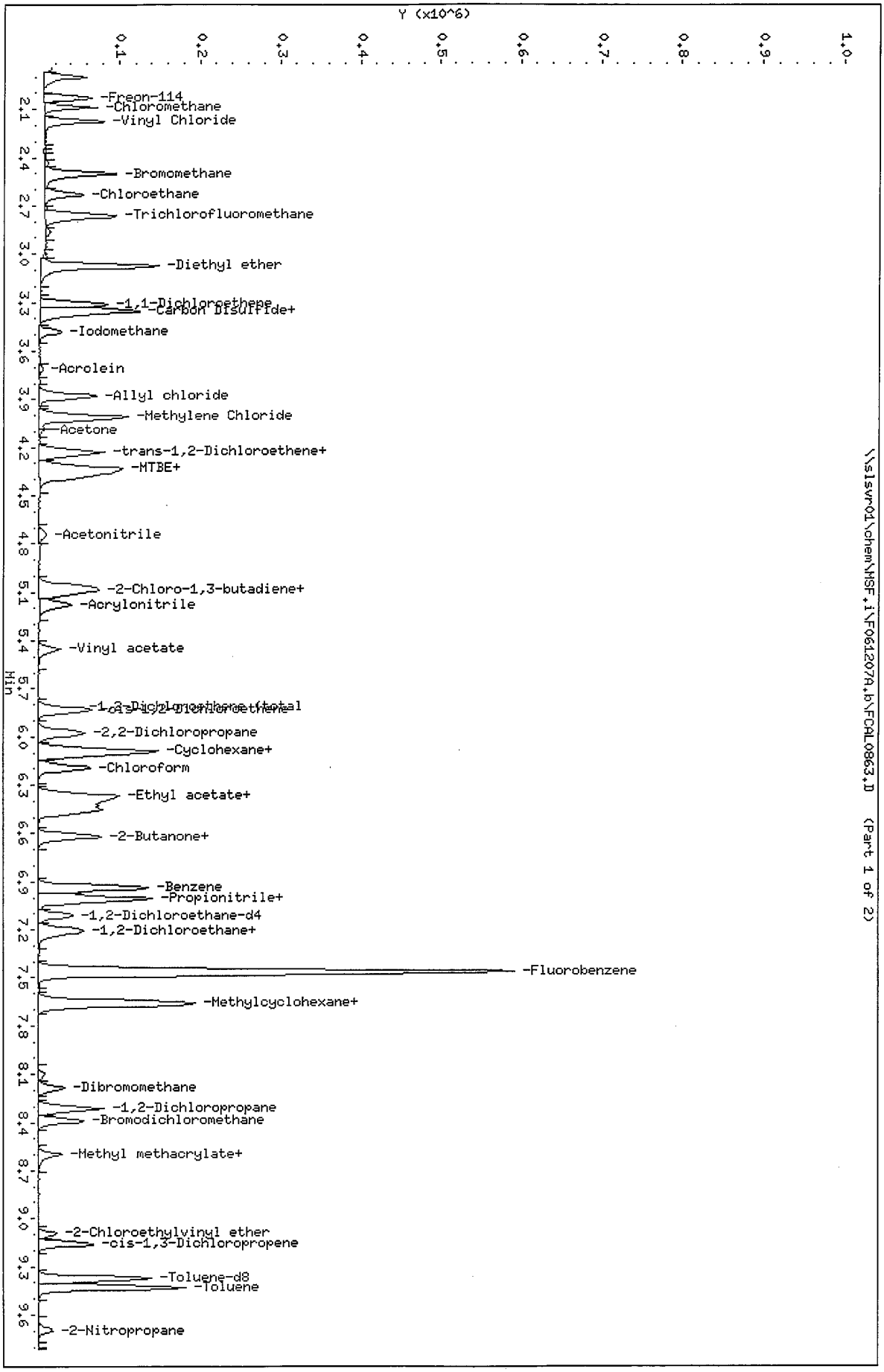
Calibration Date: 07-DEC-2006
Calibration Time: 15:42

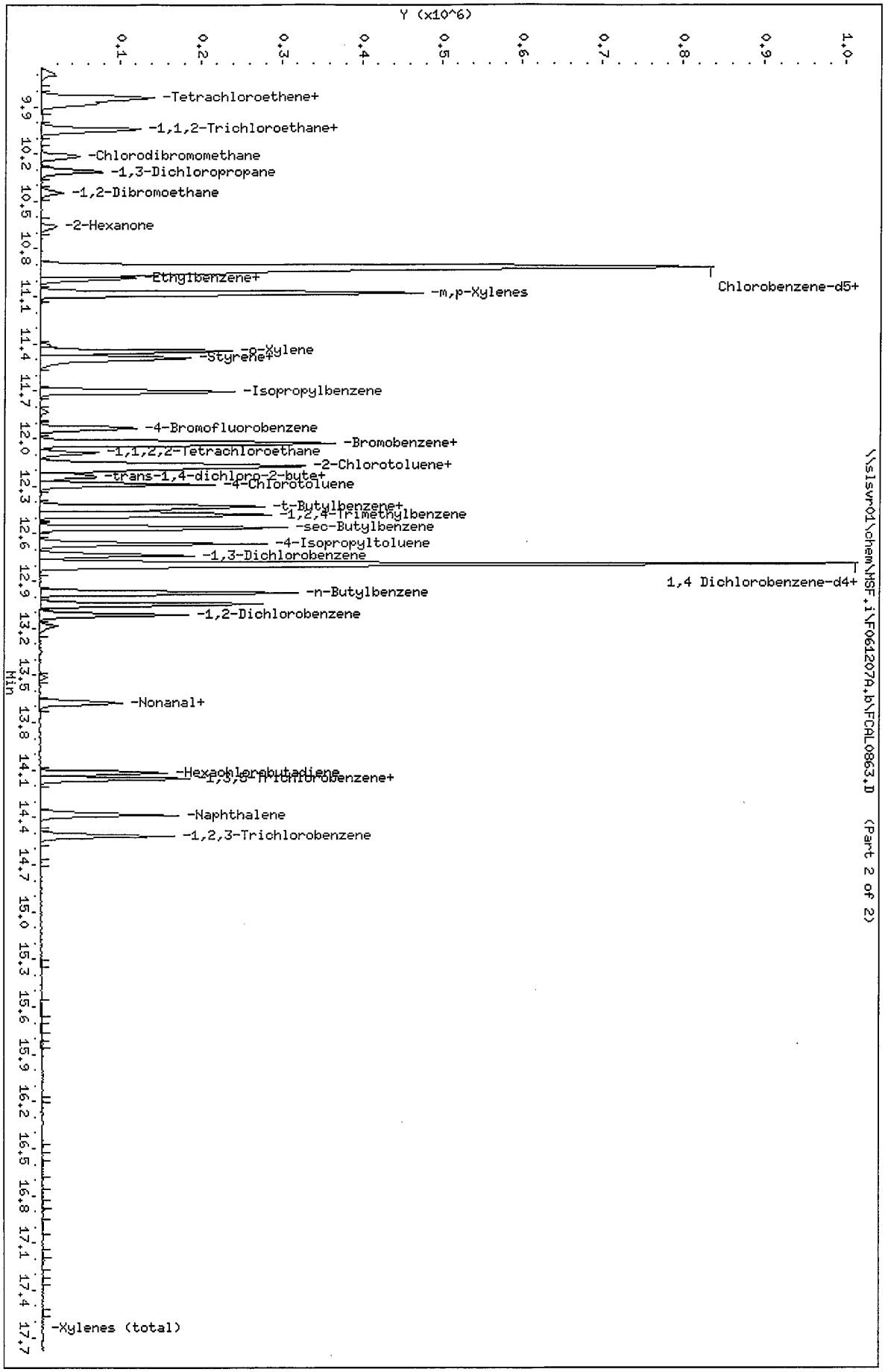
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	706088	353044	1412176	665313	-5.77
70 Chlorobenzene-d5	427557	213779	855114	385492	-9.84
95 1,4 Dichlorobenze	200765	100383	401530	191055	-4.84

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	-0.01
70 Chlorobenzene-d5	10.92	10.42	11.42	10.92	-0.01
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.


Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0863.D
Date : 07-DEC-2006 14:53
Client ID:
Sample Info: VSTD010;F061207A.B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF.i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF.i\F061207A.b\FCAL0863.D (Part 1 of 2)
Y (x10^6)
Min
-Freon-114
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Diethyl ether
-1,1-Dichloroethene
-Carbon Disulfide+
-Iodomethane
-Acrolein
-Allyl chloride
-Methylene Chloride
-Acetone
-trans-1,2-Dichloroethene+
-MTBE+
-Acetonitrile
-2-Chloro-1,3-butadiene+
-Acrylonitrile
-Vinyl acetate
-1,2-Dichloroethene(total
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Cyclohexane+
-Chloroform
-Ethyl acetate+
-2-Butanone+
-Benzene
-Propionitrile+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Methylcyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl methacrylate+
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-2-Nitropropane

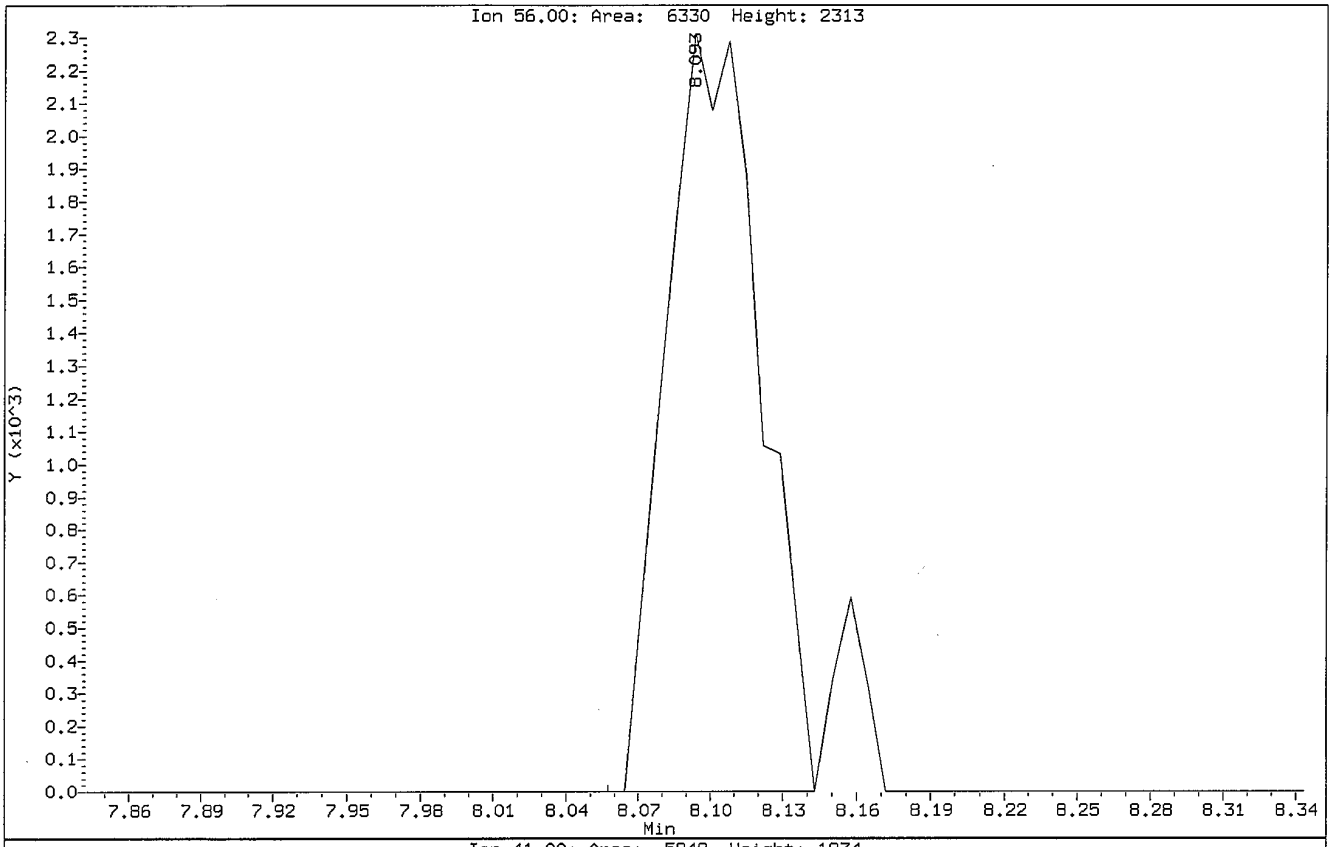

Data File: \\slsvr01\chem\MSF,i\F061207A,b\FCAL0863.D
Date : 07-DEC-2006 14:53
Client ID:
Sample Info: VSTD010;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0863.D (Part 2 of 2)
Y (x10^6)
Min
-Tetrachloroethene+
-1,1,2-Trichloroethane+
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-Ethylbenzene+
-m,p-Xylenes
Chlorobenzene-d5+
-o-Xylene
-Styrene+
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-2-Chlorotoluene+
-trans-1,4-dichloro-2-bute+
-4-Chlorotoluene
-t-Butylbenzene+
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Nonanal+
-Hexachlorobutadiene
-1,3,5-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene
-Xylenes (total)

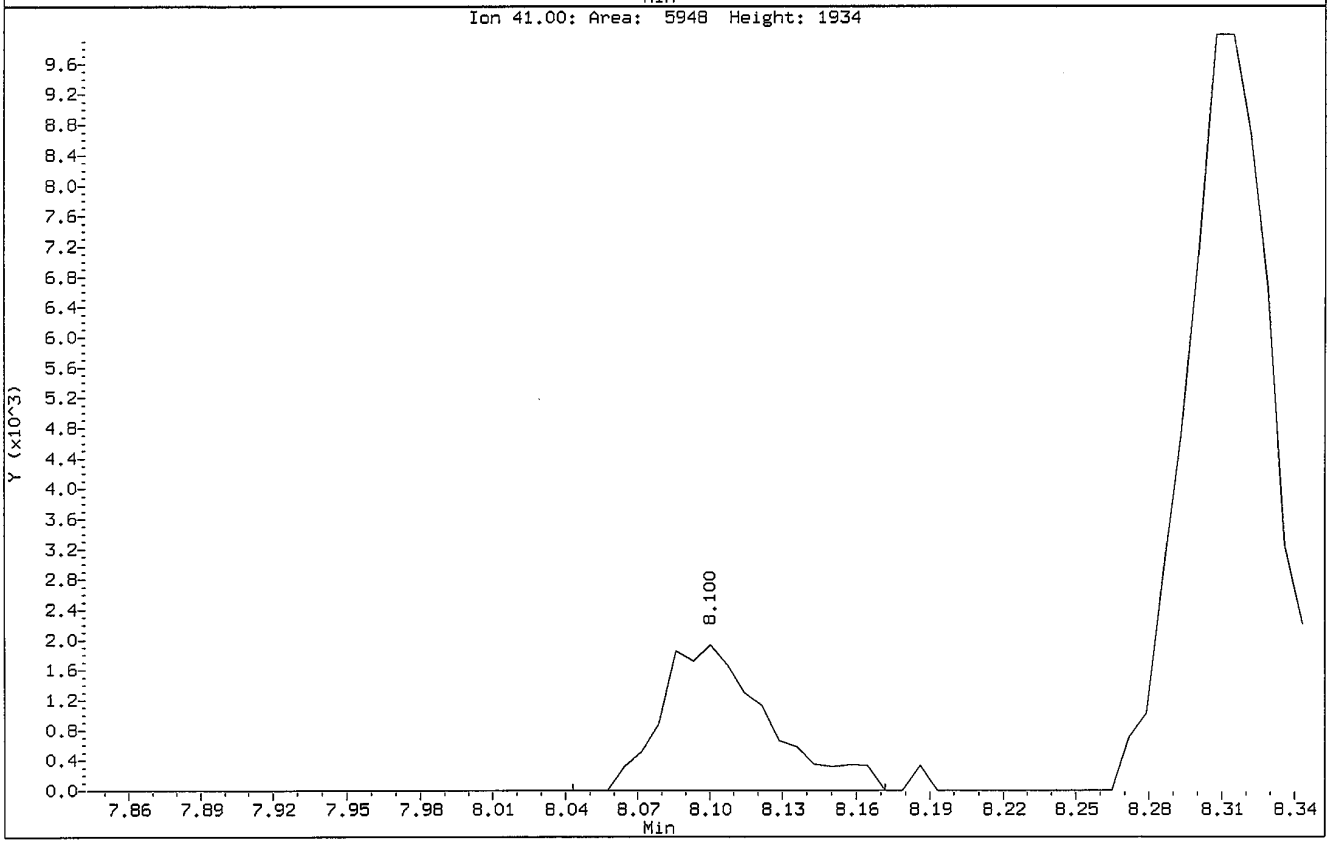
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0863.D
Injection Date: 07-DEC-2006 14:53
Instrument: MSF.i
Client Sample ID:

Compound: n-Butanol
CAS Number: 71-36-3

JMV 12-12-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



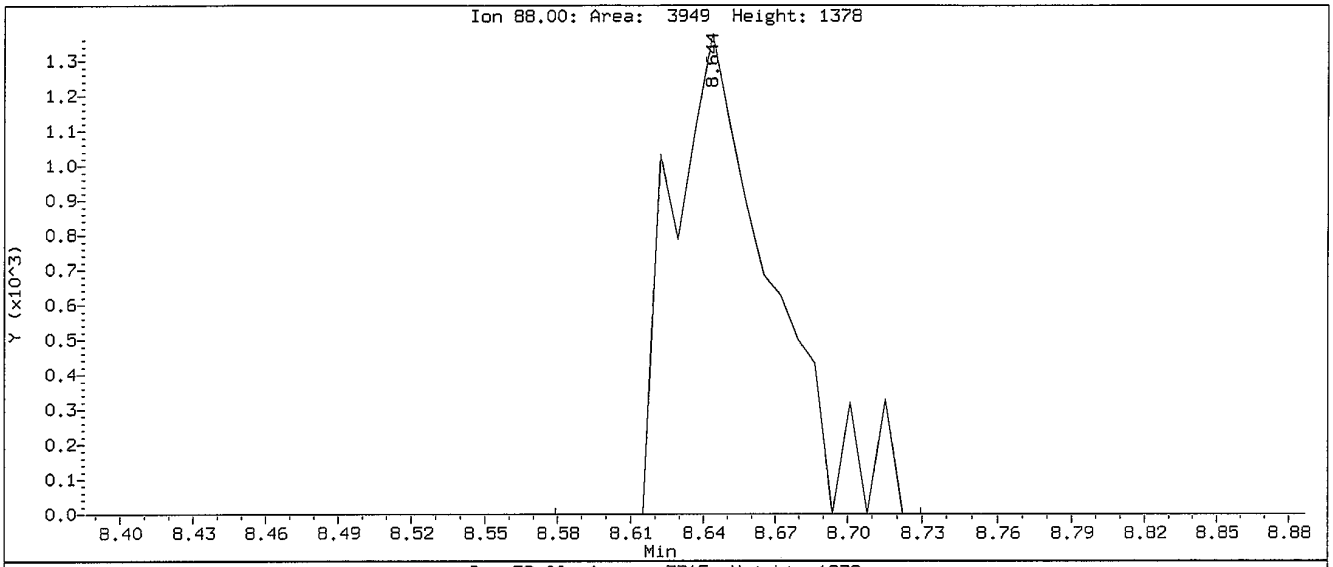


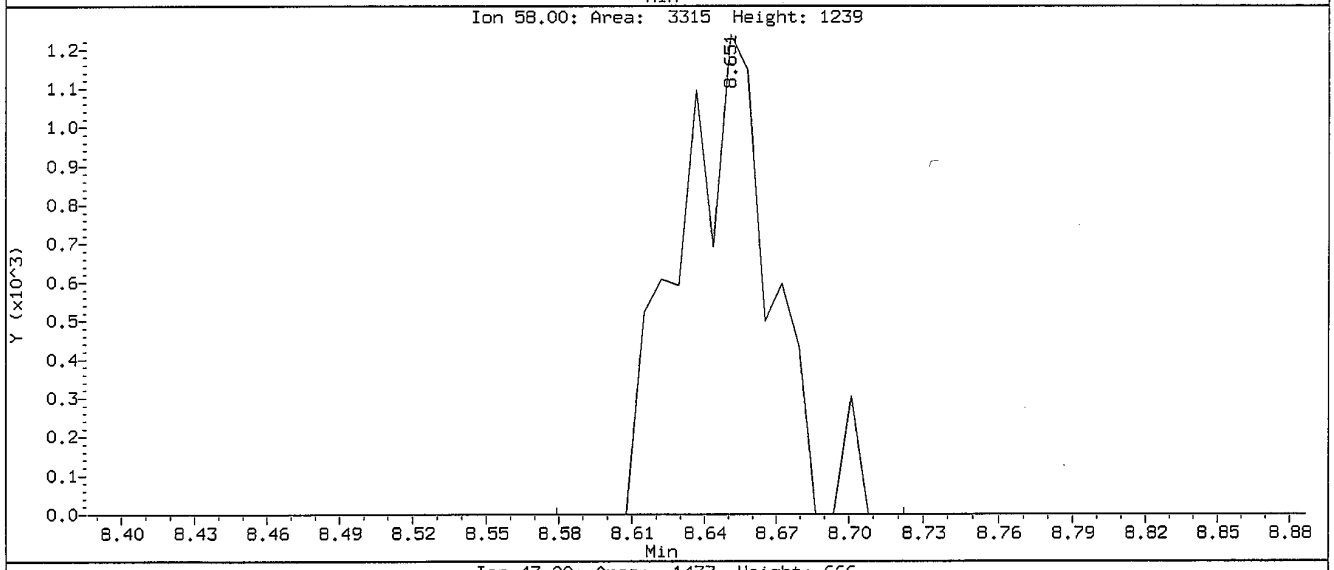
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0863.D
Injection Date: 07-DEC-2006 14:53
Instrument: MSF.i
Client Sample ID:

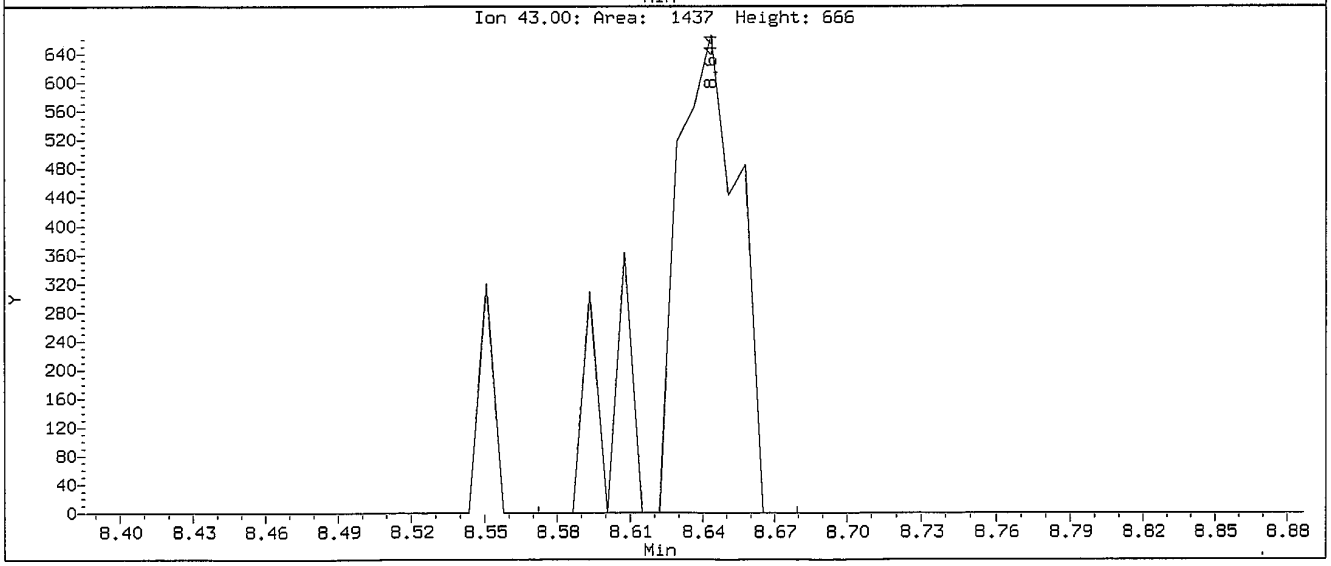
Compound: 1,4-Dioxane
CAS Number: 123-91-1

JMK 12-8-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other _____





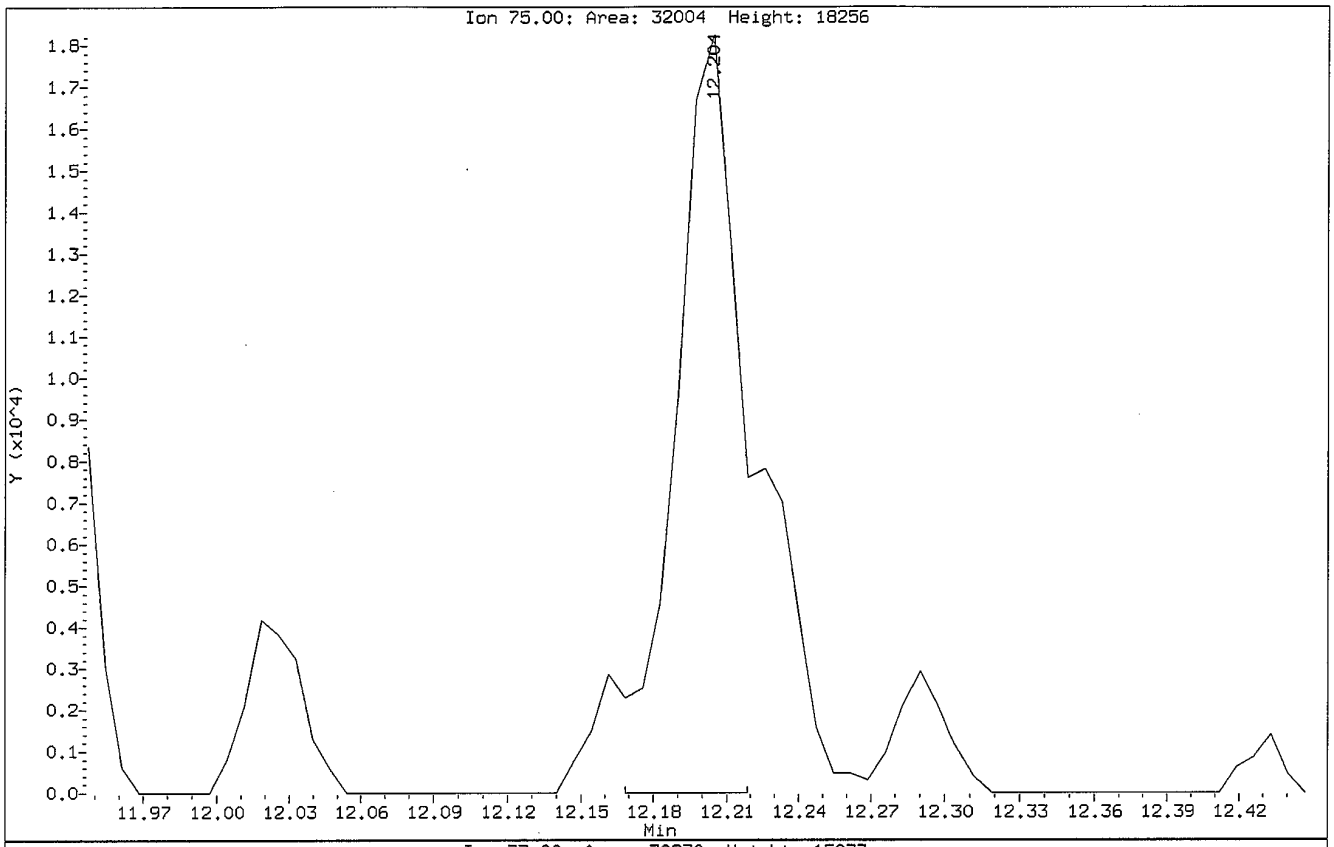


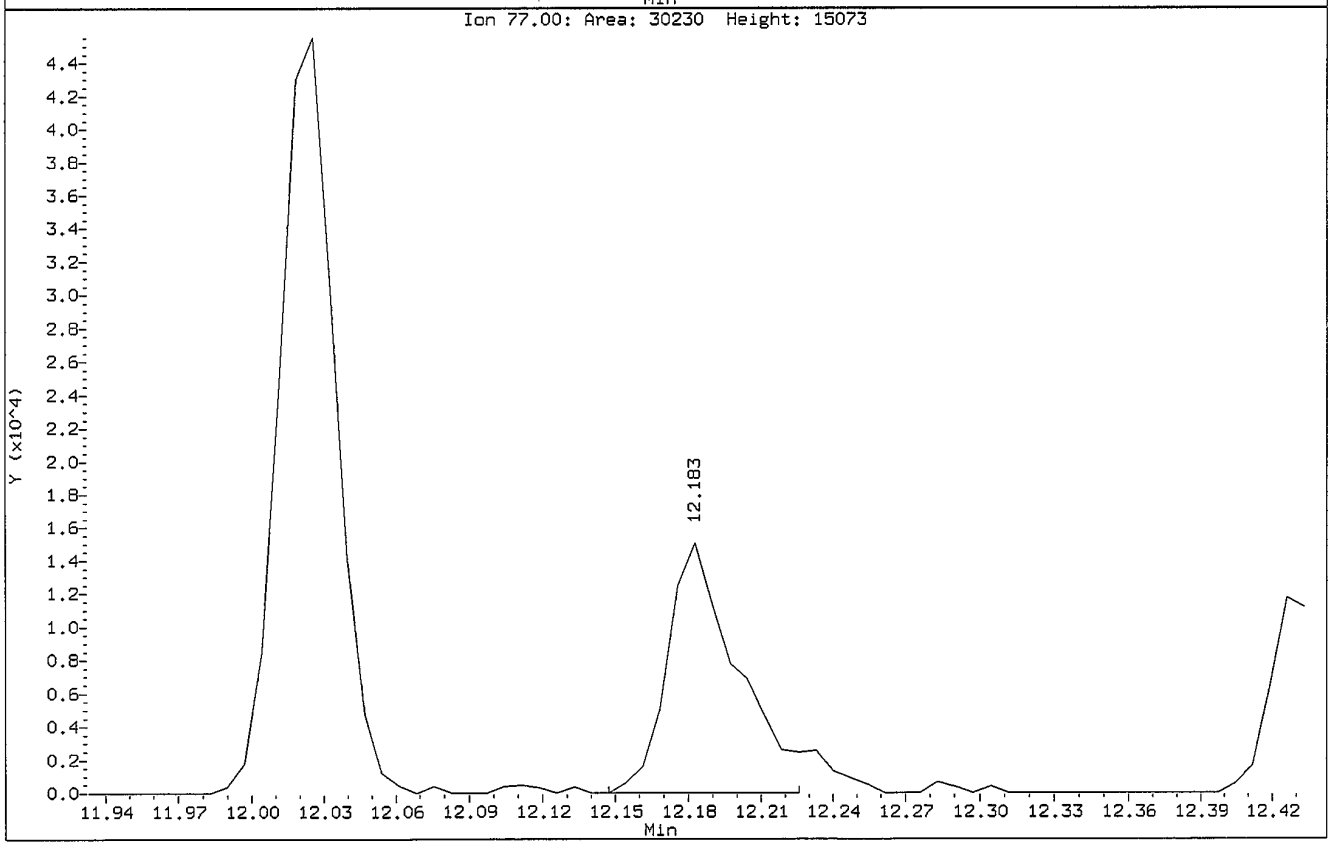
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0863.D
Injection Date: 07-DEC-2006 14:53
Instrument: MSF.i
Client Sample ID:

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4

JMK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0864.D
Report Date: 12-Dec-2006 13:12

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061207A.b\FCAL0864.D
Lab Smp Id: VSTD020
Inj Date : 07-DEC-2006 15:18
Operator : JDH Inst ID: MSF.i
Smp Info : VSTD020;F061207A.B
Misc Info : VBLKF341A.B;
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Meth Date : 12-Dec-2006 13:11 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 15:18 Cal File: FCAL0864.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.903	1.903	(0.255)	107436	20.0000	19.47
2 Freon-114	135	2.032	2.032	(0.272)	45220	20.0000	19.58
3 Chloromethane	50	2.089	2.089	(0.280)	128842	20.0000	19.35
4 Vinyl Chloride	62	2.175	2.175	(0.292)	173742	20.0000	20.49
5 Bromomethane	94	2.497	2.497	(0.335)	130591	20.0000	23.62
6 Chloroethane	64	2.633	2.633	(0.353)	108755	20.0000	20.49
7 Trichlorofluoromethane	101	2.768	2.768	(0.371)	198396	20.0000	19.20
8 Diethyl ether	74	3.076	3.076	(0.412)	148985	40.0000	40.61
9 1,1-Dichloroethene	96	3.312	3.312	(0.444)	67814	20.0000	18.38
10 Carbon Disulfide	76	3.355	3.355	(0.450)	257070	20.0000	18.57
11 1,1,2-Trichlorofluoroethane	151	3.362	3.362	(0.451)	46987	20.0000	19.13
12 Iodomethane	142	3.483	3.483	(0.467)	71904	20.0000	18.95
13 Acrolein	56	3.712	3.712	(0.498)	11298	100.000	105.7
14 Allyl chloride	39	3.877	3.877	(0.520)	86611	20.0000	20.44
15 Methylene Chloride	84	4.013	4.013	(0.538)	109851	20.0000	20.24
16 Acetone	43	4.084	4.084	(0.548)	20737	20.0000	20.81
17 trans-1,2-Dichloroethene	96	4.227	4.227	(0.567)	72756	20.0000	19.04
18 Methyl Acetate	74	4.234	4.234	(0.568)	9435	20.0000	19.29(M)
19 n-Hexane	86	4.334	4.334	(0.581)	21241	20.0000	19.08(H)
20 MTBE	73	4.370	4.370	(0.586)	204473	20.0000	21.09
21 Acetonitrile	41	4.735	4.735	(0.635)	38432	100.000	111.6
22 2-Chloro-1,3-butadiene	53	5.064	5.064	(0.679)	109990	20.0000	20.58

DMK 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0864.D
Report Date: 12-Dec-2006 13:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	5.099	5.099	(0.684)	152394	20.0000	19.67
	24 Acrylonitrile	53	5.178	5.178	(0.694)	98818	100.000	103.3
	25 Vinyl acetate	43	5.450	5.450	(0.731)	120431	20.0000	20.93
M	26 1,2-Dichloroethene (total)	96				152516	40.0000	39.51
	27 cis-1,2-Dichloroethene	96	5.829	5.829	(0.781)	79760	20.0000	20.47
	28 2,2-Dichloropropane	77	5.979	5.979	(0.802)	109287	20.0000	20.82
	29 Cyclohexane	84	6.093	6.093	(0.817)	108972	20.0000	20.19
	30 Bromochloromethane	128	6.093	6.093	(0.817)	31959	20.0000	19.84
	31 Chloroform	83	6.186	6.186	(0.829)	139523	20.0000	19.73
	33 Ethyl acetate	45	6.372	6.372	(0.854)	17108	40.0000	40.84
	32 Carbon Tetrachloride	117	6.365	6.365	(0.853)	102252	20.0000	19.98
	34 Tetrahydrofuran	71	6.408	6.408	(0.859)	33789	100.000	107.3
$	35 Dibromofluoromethane	113	6.429	6.429	(0.862)	61647	20.0000	20.22
	36 1,1,1-Trichloroethane	97	6.458	6.458	(0.866)	121340	20.0000	20.16
	37 2-Butanone	43	6.601	6.601	(0.885)	26213	20.0000	20.16
	39 1,1-Dichloropropene	75	6.622	6.622	(0.888)	102440	20.0000	20.24
	40 Benzene	78	6.937	6.937	(0.930)	314190	20.0000	19.86
	41 Propionitrile	54	6.980	6.980	(0.936)	42260	100.000	112.4
	42 Methacrylonitrile	41	7.009	7.009	(0.940)	183938	100.000	108.0
$	43 1,2-Dichloroethane-d4	65	7.109	7.109	(0.953)	84427	20.0000	21.00
	44 1,2-Dichloroethane	62	7.194	7.194	(0.965)	98951	20.0000	21.11
	45 Isobutanol	43	7.223	7.223	(0.968)	53587	400.000	429.1
*	46 Fluorobenzene	96	7.459	7.459	(1.000)	684116	50.0000	
	47 Methylcyclohexane	55	7.652	7.652	(1.026)	119222	20.0000	19.84
	48 Trichloroethene	95	7.666	7.666	(1.028)	72594	20.0000	19.56
	49 n-Butanol	56	8.102	8.102	(1.086)	12806	200.000	177.6(MH)
	50 Dibromomethane	93	8.188	8.188	(1.098)	35910	20.0000	19.74
	51 1,2-Dichloropropane	63	8.317	8.317	(1.115)	76802	20.0000	19.85
	52 Bromodichloromethane	83	8.388	8.388	(1.125)	101452	20.0000	20.62
	53 Methyl methacrylate	69	8.596	8.596	(1.152)	30432	20.0000	19.50
	54 1,4-Dioxane	88	8.646	8.646	(1.159)	8108	400.000	410.0
	55 2-Chloroethylvinyl ether	63	9.096	9.096	(1.220)	28579	20.0000	21.26
	56 cis-1,3-Dichloropropene	75	9.161	9.161	(1.228)	109370	20.0000	20.83
$	57 Toluene-d8	98	9.375	9.375	(0.859)	233309	20.0000	20.49
	58 Toluene	92	9.432	9.432	(0.864)	173081	20.0000	20.23
	59 2-Nitropropane	43	9.697	9.697	(0.889)	26682	20.0000	19.32
	60 Tetrachloroethene	164	9.847	9.847	(0.902)	48280	20.0000	19.96
	62 4-Methyl-2-pentanone	43	9.847	9.847	(1.320)	52101	20.0000	22.10
	63 trans-1,3-Dichloropropene	75	9.883	9.883	(0.906)	90440	20.0000	22.43
	64 1,1,2-Trichloroethane	83	10.040	10.040	(0.920)	45282	20.0000	21.45
	65 Ethyl methacrylate	69	10.047	10.047	(0.921)	67472	20.0000	22.28
	66 Chlorodibromomethane	129	10.219	10.219	(0.936)	55604	20.0000	20.76
	67 1,3-Dichloropropane	76	10.312	10.312	(0.945)	97764	20.0000	20.90
	68 1,2-Dibromoethane	107	10.448	10.448	(0.957)	43269	20.0000	21.23
	69 2-Hexanone	43	10.662	10.662	(0.977)	29950	20.0000	20.78
*	70 Chlorobenzene-d5	117	10.912	10.912	(1.000)	405583	50.0000	
	71 Chlorobenzene	112	10.934	10.934	(1.002)	173031	20.0000	19.31
	72 Ethylbenzene	91	10.955	10.955	(1.004)	337543	20.0000	19.84
	73 1,1,1,2-Tetrachloroethane	131	10.984	10.984	(1.007)	63399	20.0000	20.15
	74 m,p-Xylenes	106	11.077	11.077	(1.015)	240638	40.0000	39.79
	75 o-Xylene	106	11.449	11.449	(1.049)	116168	20.0000	20.37
	76 Styrene	104	11.492	11.492	(1.053)	171568	20.0000	20.76
	77 Bromoform	173	11.513	11.513	(0.900)	29213	20.0000	20.89
	78 Isopropylbenzene	105	11.706	11.706	(1.073)	280895	20.0000	20.79

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0864.D
Report Date: 12-Dec-2006 13:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 79 4-Bromofluorobenzene	95	11.935	11.935	(0.933)	83984	20.0000	20.14
80 Bromobenzene	156	12.021	12.021	(0.940)	62962	20.0000	19.78
81 n-Propylbenzene	91	12.035	12.035	(0.941)	396679	20.0000	20.68
82 1,1,2,2-Tetrachloroethane	83	12.092	12.092	(0.945)	66902	20.0000	20.76
83 2-Chlorotoluene	91	12.164	12.164	(1.631)	264264	20.0000	19.94
84 1,3,5-Trimethylbenzene	105	12.178	12.178	(0.952)	280650	20.0000	20.75
85 1,2,3-Trichloropropane	75	12.200	12.200	(0.954)	62646	20.0000	20.43(M)
86 trans-1,4-dichloro-2-butene	53	12.228	12.228	(0.956)	19836	20.0000	21.32
87 Cyclohexanone	55	12.242	12.242	(1.122)	28335	200.000	185.4
88 4-Chlorotoluene	91	12.292	12.292	(1.648)	235860	20.0000	19.84
89 t-Butylbenzene	119	12.428	12.428	(0.971)	273081	20.0000	20.82
90 Pentachloroethane	167	12.457	12.457	(0.974)	41318	20.0000	19.64
91 1,2,4-Trimethylbenzene	105	12.478	12.478	(0.975)	283152	20.0000	20.27
92 sec-Butylbenzene	105	12.564	12.564	(0.982)	369668	20.0000	20.75
93 4-Isopropyltoluene	119	12.664	12.664	(0.990)	279900	20.0000	20.68
94 1,3-Dichlorobenzene	146	12.736	12.736	(0.996)	128543	20.0000	19.28
* 95 1,4 Dichlorobenzene-d4	152	12.793	12.793	(1.000)	199333	50.0000	
96 1,4-Dichlorobenzene	146	12.800	12.800	(1.001)	136728	20.0000	18.71
98 n-Butylbenzene	91	12.972	12.972	(1.014)	297923	20.0000	19.83
99 1,2-Dichlorobenzene	146	13.115	13.115	(1.025)	126375	20.0000	19.47
145 Nonanal	57	13.672	13.672	(1.069)	31618	20.0000	20.26(A)
100 1,2-Dibromo-3-chloropropane	157	13.687	13.687	(1.070)	11064	20.0000	21.91
101 Hexachlorobutadiene	225	14.123	14.123	(1.104)	46483	20.0000	19.38
104 1,2,4-Trichlorobenzene	180	14.159	14.159	(1.107)	88512	20.0000	19.12
105 Naphthalene	128	14.387	14.387	(1.125)	214030	20.0000	20.34
106 1,2,3-Trichlorobenzene	180	14.516	14.516	(1.135)	84037	20.0000	19.26
M 107 Xylenes (total)	106				356806	60.0000	60.16

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0864.D
Report Date: 10-Dec-2006 17:24

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FCAL0864.D
Lab Smp Id: VSTD020
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Misc Info: VBLKF341A.B;

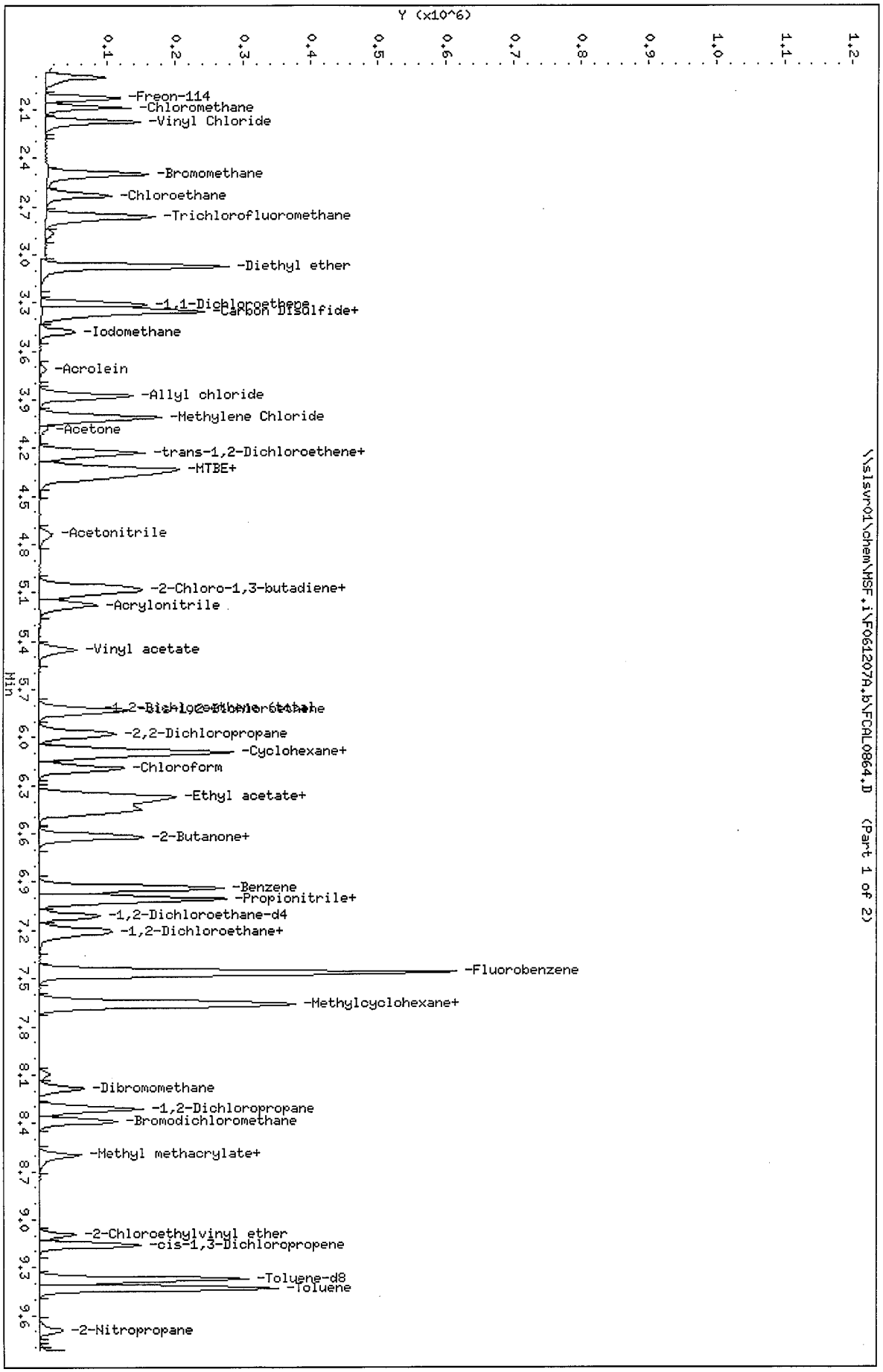
Calibration Date: 07-DEC-2006
Calibration Time: 15:42

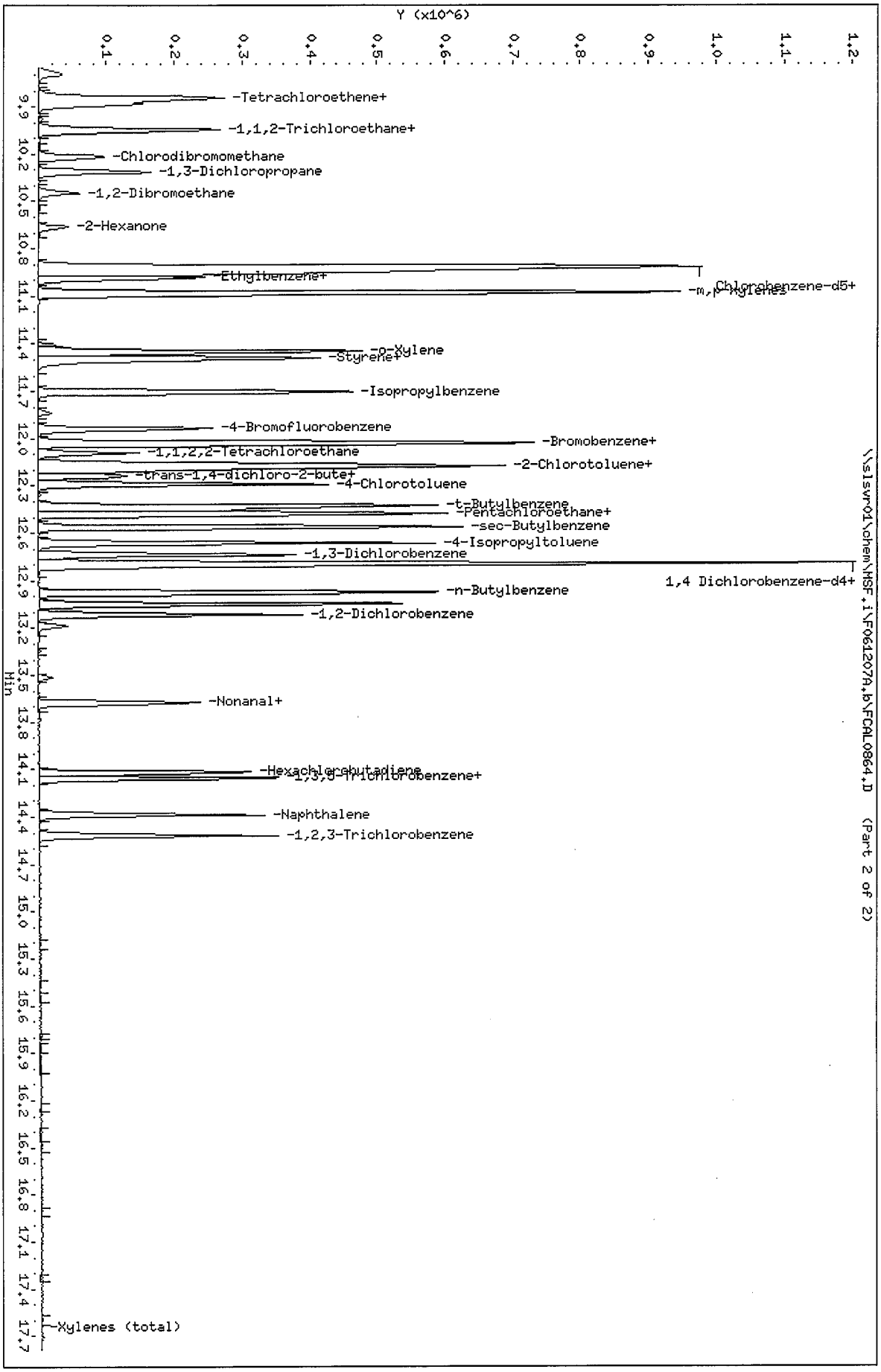
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	706088	353044	1412176	684116	-3.11
70 Chlorobenzene-d5	427557	213779	855114	405583	-5.14
95 1,4 Dichlorobenze	200765	100383	401530	199333	-0.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	-0.07
70 Chlorobenzene-d5	10.92	10.42	11.42	10.91	-0.05
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.


Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0864.D
Date : 07-DEC-2006 15:18
Client ID:
Sample Info: VSTD020;F061207A.B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF.i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF.i\F061207A.b\FCAL0864.D (Part 1 of 2)
Y (x10^6)
Min
-Freon-114
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Diethyl ether
-1,1-Dichloroethene
-Carbon Disulfide+
-Iodomethane
-Acrolein
-Allyl chloride
-Methylene Chloride
-Acetone
-trans-1,2-Dichloroethene+
-MTBE+
-Acetonitrile
-2-Chloro-1,3-butadiene+
-Acrylonitrile
-Vinyl acetate
-1,2-Dichloroethane
-2,2-Dichloropropane
-Cyclohexane+
-Chloroform
-Ethyl acetate+
-2-Butanone+
-Benzene
-Propionitrile+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Methylcyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl methacrylate+
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-2-Nitropropane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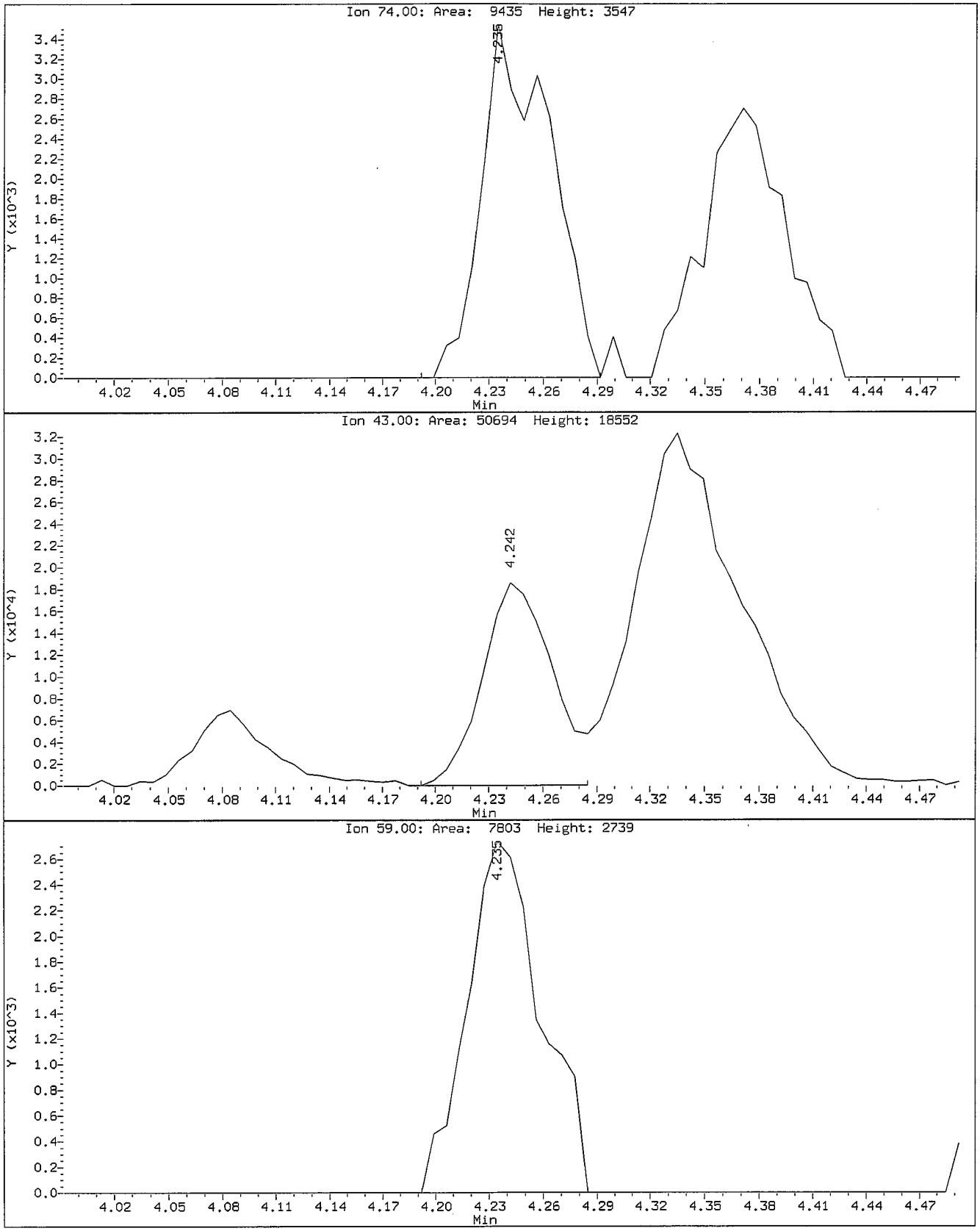
Date : 07-DEC-2006 15:18
Client ID:
Sample Info: VSTD020;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
Y (x10^6)
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2
Min
9.9 10.2 10.5 10.8 11.1 11.4 11.7 12.0 12.3 12.6 12.9 13.2 13.5 13.8 14.1 14.4 14.7 15.0 15.3 15.6 15.9 16.2 16.5 16.8 17.1 17.4 17.7
-Tetrachloroethene+
-1,1,2-Trichloroethane+
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-Ethylbenzene+
-m,p-Xylenes
Chlorobenzene-d5+
-o-Xylene
-Styrene+
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-2-Chlorotoluene+
-trans-1,4-dichloro-2-bute+
-4-Chlorotoluene
-t-Butylbenzene
-Pentachloroethane+
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Nonanal+
-Hexachlorobutadiene
-1,3,5-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene
-Xylenes (total)
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0864.D (Part 2 of 2)

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0864.D
Injection Date: 07-DEC-2006 15:18
Instrument: MSF.i
Client Sample ID:

Compound: Methyl Acetate
CAS Number:

JMK 12-18-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0864.D
Injection Date: 07-DEC-2006 15:18
Instrument: MSF.i
Client Sample ID:

Compound: n-Butanol
CAS Number: 71-36-3

DML 12-12-06

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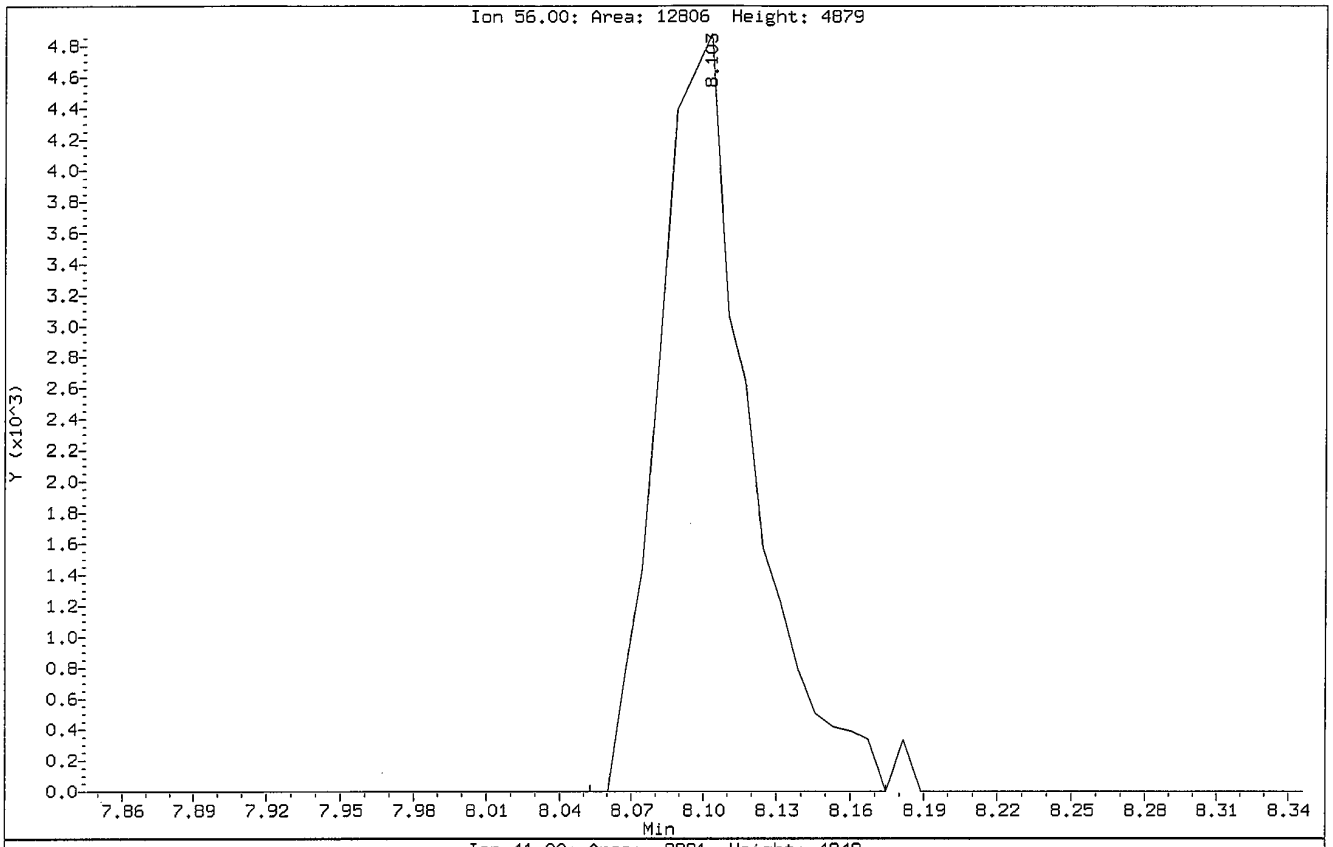
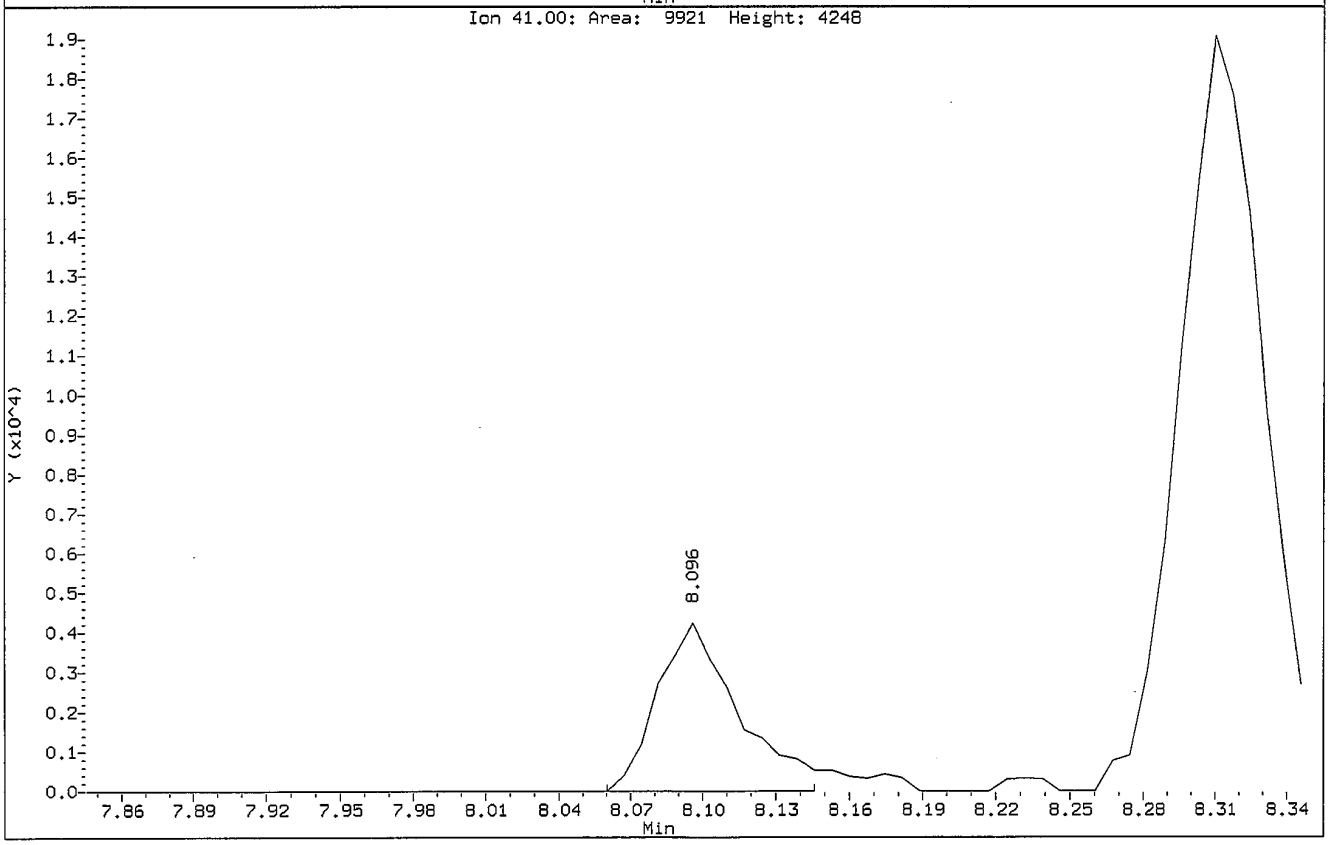
2. Incomplete Integration
3. Wrong Peak
4. Other_____





Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0864.D
Injection Date: 07-DEC-2006 15:18
Instrument: MSF.i
Client Sample ID:

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4

JMV 12-10-06

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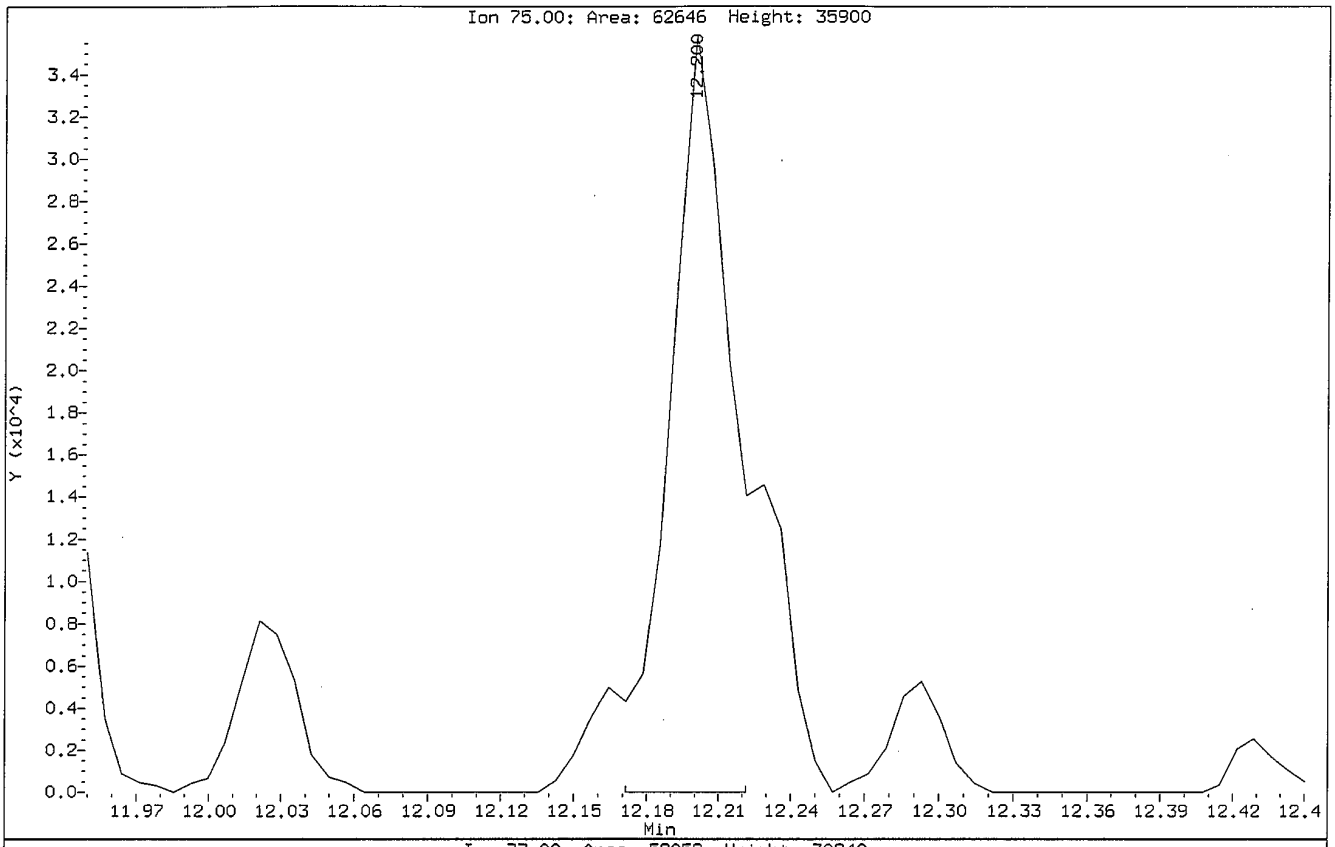
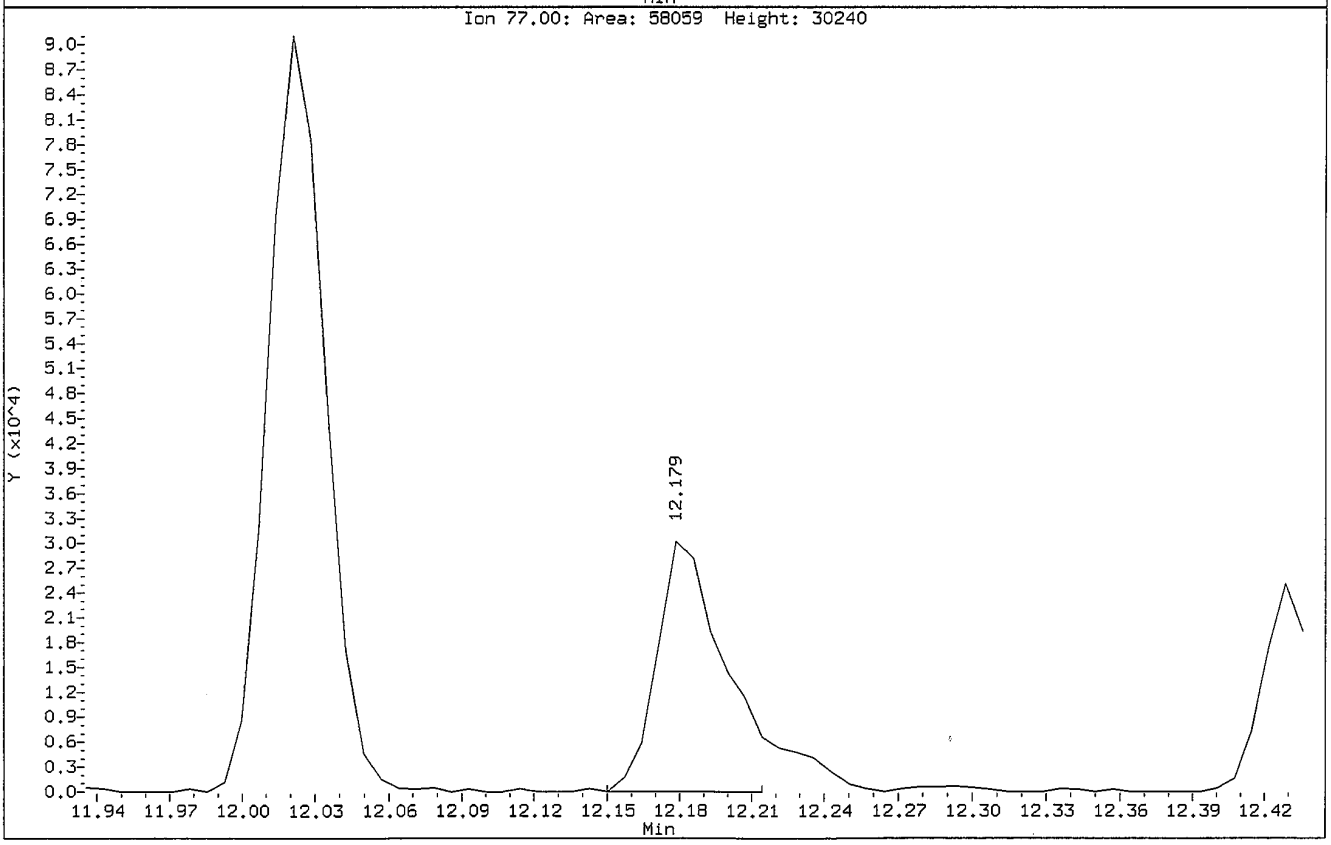
3. Wrong Peak
4. Other_____





Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0865.D
Report Date: 12-Dec-2006 13:16

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061207A.b\FCAL0865.D
Lab Smp Id: VSTD050
Inj Date : 07-DEC-2006 15:42
Operator : JDH Inst ID: MSF.i
Smp Info : VSTD050;F061207A.B
Misc Info : VBLKF341A.B;
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Meth Date : 12-Dec-2006 13:15 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 15:42 Cal File: FCAL0865.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.901	1.901	(0.255)	291483	50.0000	51.19
2 Freon-114	135	2.030	2.030	(0.272)	119591	50.0000	50.16
3 Chloromethane	50	2.094	2.094	(0.281)	337624	50.0000	49.13
4 Vinyl Chloride	62	2.180	2.180	(0.292)	442226	50.0000	50.54
5 Bromomethane	94	2.487	2.487	(0.333)	262077	50.0000	45.94
6 Chloroethane	64	2.630	2.630	(0.352)	274473	50.0000	50.11
7 Trichlorofluoromethane	101	2.766	2.766	(0.371)	526130	50.0000	49.34
8 Diethyl ether	74	3.074	3.074	(0.412)	389466	100.000	102.8
9 1,1-Dichloroethene	96	3.310	3.310	(0.443)	191095	50.0000	50.17
10 Carbon Disulfide	76	3.353	3.353	(0.449)	710957	50.0000	49.77
11 1,1,2-Trichlorofluoroethane	151	3.367	3.367	(0.451)	134848	50.0000	53.20
12 Iodomethane	142	3.481	3.481	(0.466)	198719	50.0000	50.74
13 Acrolein	56	3.710	3.710	(0.497)	29546	250.000	267.8
14 Allyl chloride	39	3.882	3.882	(0.520)	235164	50.0000	53.79
15 Methylene Chloride	84	4.010	4.010	(0.537)	248223	50.0000	54.82
16 Acetone	43	4.082	4.082	(0.547)	42542	50.0000	53.35
17 trans-1,2-Dichloroethene	96	4.225	4.225	(0.566)	197939	50.0000	50.18
18 Methyl Acetate	74	4.246	4.246	(0.569)	27706	50.0000	54.87
19 n-Hexane	86	4.332	4.332	(0.580)	59624	50.0000	51.90
20 MTBE	73	4.375	4.375	(0.586)	534778	50.0000	53.44
21 Acetonitrile	41	4.740	4.740	(0.635)	92236	250.000	259.4
22 2-Chloro-1,3-butadiene	53	5.069	5.069	(0.679)	316527	50.0000	57.38

JMK 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0865.D
Report Date: 12-Dec-2006 13:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	5.097	5.097	(0.683)	407379	50.0000	50.95
	24 Acrylonitrile	53	5.176	5.176	(0.693)	269935	250.000	273.4
	25 Vinyl acetate	43	5.455	5.455	(0.731)	326648	50.0000	55.00
M	26 1,2-Dichloroethene (total)	96				412268	100.000	103.5
	27 cis-1,2-Dichloroethene	96	5.834	5.834	(0.782)	214329	50.0000	53.31
	28 2,2-Dichloropropane	77	5.977	5.977	(0.801)	290310	50.0000	53.57
	29 Cyclohexane	84	6.091	6.091	(0.816)	305276	50.0000	54.80
	30 Bromochloromethane	128	6.091	6.091	(0.816)	84662	50.0000	50.91
	31 Chloroform	83	6.191	6.191	(0.829)	366222	50.0000	50.17
	33 Ethyl acetate	45	6.363	6.363	(0.852)	45868	100.000	106.1
	32 Carbon Tetrachloride	117	6.370	6.370	(0.853)	273886	50.0000	51.86
	34 Tetrahydrofuran	71	6.399	6.399	(0.857)	96014	250.000	295.6
$	35 Dibromofluoromethane	113	6.427	6.427	(0.861)	162198	50.0000	51.53
	36 1,1,1-Trichloroethane	97	6.463	6.463	(0.866)	327694	50.0000	52.75
	37 2-Butanone	43	6.606	6.606	(0.885)	64286	50.0000	51.70
	39 1,1-Dichloropropene	75	6.620	6.620	(0.887)	279940	50.0000	53.60
	40 Benzene	78	6.935	6.935	(0.929)	830276	50.0000	50.86
	41 Propionitrile	54	6.978	6.978	(0.935)	103776	250.000	267.6
	42 Methacrylonitrile	41	7.006	7.006	(0.939)	486041	250.000	276.6(A)
$	43 1,2-Dichloroethane-d4	65	7.114	7.114	(0.953)	213531	50.0000	51.46
	44 1,2-Dichloroethane	62	7.192	7.192	(0.964)	250936	50.0000	51.87
	45 Isobutanol	43	7.228	7.228	(0.968)	141002	1000.00	1094
*	46 Fluorobenzene	96	7.464	7.464	(1.000)	706088	50.0000	
	47 Methylcyclohexane	55	7.657	7.657	(1.026)	334012	50.0000	53.86
	48 Trichloroethene	95	7.671	7.671	(1.028)	195228	50.0000	50.98
	49 n-Butanol	56	8.093	8.093	(1.084)	36362	500.000	533.4(MH)
	50 Dibromomethane	93	8.186	8.186	(1.097)	94997	50.0000	50.60
	51 1,2-Dichloropropane	63	8.315	8.315	(1.114)	206762	50.0000	51.78
	52 Bromodichloromethane	83	8.386	8.386	(1.124)	265995	50.0000	52.38
	53 Methyl methacrylate	69	8.594	8.594	(1.151)	91395	50.0000	56.73
	54 1,4-Dioxane	88	8.644	8.644	(1.158)	18653	1000.00	913.8(M)
	55 2-Chloroethylvinyl ether	63	9.094	9.094	(1.218)	84315	50.0000	60.77
	56 cis-1,3-Dichloropropene	75	9.158	9.158	(1.227)	301158	50.0000	55.56
$	57 Toluene-d8	98	9.373	9.373	(0.859)	645273	50.0000	53.76
	58 Toluene	92	9.430	9.430	(0.864)	471194	50.0000	52.24
	59 2-Nitropropane	43	9.695	9.695	(0.888)	74225	50.0000	54.28
	60 Tetrachloroethene	164	9.845	9.845	(0.902)	135441	50.0000	53.12
	62 4-Methyl-2-pentanone	43	9.845	9.845	(1.319)	145378	50.0000	59.76
	63 trans-1,3-Dichloropropene	75	9.881	9.881	(0.905)	240047	50.0000	56.48
	64 1,1,2-Trichloroethane	83	10.045	10.045	(0.920)	115506	50.0000	51.91
	65 Ethyl methacrylate	69	10.052	10.052	(0.921)	194047	50.0000	60.78
	66 Chlorodibromomethane	129	10.217	10.217	(0.936)	150184	50.0000	53.18
	67 1,3-Dichloropropane	76	10.317	10.317	(0.945)	249440	50.0000	50.59
	68 1,2-Dibromoethane	107	10.446	10.446	(0.957)	116078	50.0000	54.03
	69 2-Hexanone	43	10.660	10.660	(0.976)	80972	50.0000	53.30
*	70 Chlorobenzene-d5	117	10.917	10.917	(1.000)	427557	50.0000	
	71 Chlorobenzene	112	10.932	10.932	(1.001)	468022	50.0000	49.54
	72 Ethylbenzene	91	10.953	10.953	(1.003)	901553	50.0000	50.28
	73 1,1,1,2-Tetrachloroethane	131	10.989	10.989	(1.007)	169717	50.0000	51.18
	74 m,p-Xylenes	106	11.082	11.082	(1.015)	675224	100.000	105.9
	75 o-Xylene	106	11.447	11.447	(1.048)	324948	50.0000	54.06
	76 Styrene	104	11.489	11.489	(1.052)	491265	50.0000	56.40
	77 Bromoform	173	11.518	11.518	(0.900)	78877	50.0000	56.01
	78 Isopropylbenzene	105	11.704	11.704	(1.072)	793506	50.0000	55.71

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0865.D
Report Date: 12-Dec-2006 13:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 79 4-Bromofluorobenzene	95	11.933	11.933	(0.933)	217430	50.0000	51.77
80 Bromobenzene	156	12.026	12.026	(0.940)	171141	50.0000	53.39
81 n-Propylbenzene	91	12.033	12.033	(0.941)	1084036	50.0000	56.10
82 1,1,2,2-Tetrachloroethane	83	12.090	12.090	(0.945)	168992	50.0000	52.07
83 2-Chlorotoluene	91	12.162	12.162	(1.629)	735179	50.0000	53.76
84 1,3,5-Trimethylbenzene	105	12.183	12.183	(0.952)	781145	50.0000	57.35
85 1,2,3-Trichloropropane	75	12.197	12.197	(0.954)	170767	50.0000	55.30(M)
86 trans-1,4-dichloro-2-butene	53	12.226	12.226	(0.956)	46240	50.0000	55.42
87 Cyclohexanone	55	12.247	12.247	(1.122)	72665	500.000	451.1
88 4-Chlorotoluene	91	12.290	12.290	(1.647)	620295	50.0000	50.57
89 t-Butylbenzene	119	12.433	12.433	(0.972)	747303	50.0000	56.57
90 Pentachloroethane	167	12.455	12.455	(0.974)	109897	50.0000	51.87
91 1,2,4-Trimethylbenzene	105	12.483	12.483	(0.976)	775320	50.0000	55.10
92 sec-Butylbenzene	105	12.562	12.562	(0.982)	1006041	50.0000	56.07
93 4-Isopropyltoluene	119	12.662	12.662	(0.990)	771827	50.0000	56.61
94 1,3-Dichlorobenzene	146	12.741	12.741	(0.996)	340241	50.0000	50.66
* 95 1,4 Dichlorobenzene-d4	152	12.791	12.791	(1.000)	200765	50.0000	
96 1,4-Dichlorobenzene	146	12.805	12.805	(1.001)	352726	50.0000	47.91
98 n-Butylbenzene	91	12.977	12.977	(1.015)	820172	50.0000	54.20
99 1,2-Dichlorobenzene	146	13.120	13.120	(1.026)	334422	50.0000	51.16
145 Nonanal	57	13.670	13.670	(1.069)	106507	50.0000	67.77(A)
100 1,2-Dibromo-3-chloropropane	157	13.692	13.692	(1.070)	29850	50.0000	58.68
101 Hexachlorobutadiene	225	14.121	14.121	(1.104)	124443	50.0000	51.50
104 1,2,4-Trichlorobenzene	180	14.156	14.156	(1.107)	245055	50.0000	52.56
105 Naphthalene	128	14.385	14.385	(1.125)	571355	50.0000	53.92
106 1,2,3-Trichlorobenzene	180	14.521	14.521	(1.135)	227678	50.0000	51.82
M 107 Xylenes (total)	106				1000172	150.000	160.0

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0865.D
Report Date: 10-Dec-2006 17:29

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FCAL0865.D
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Misc Info: VBLKF341A.B;

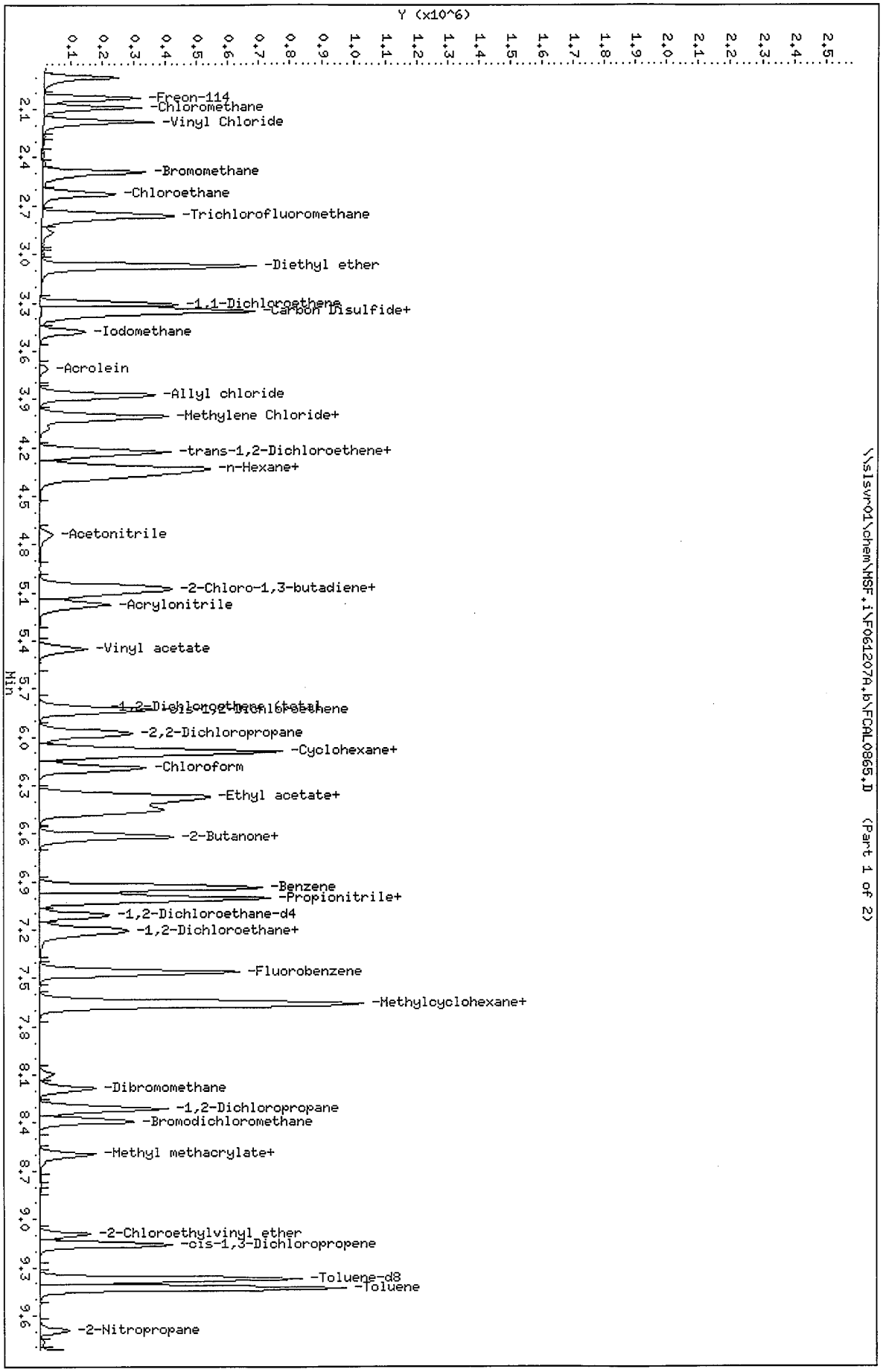
Calibration Date: 07-DEC-2006
Calibration Time: 15:42

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	706088	353044	1412176	706088	0.00
70 Chlorobenzene-d5	427557	213779	855114	427557	0.00
95 1,4 Dichlorobenze	200765	100383	401530	200765	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	0.00
70 Chlorobenzene-d5	10.92	10.42	11.42	10.92	0.00
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.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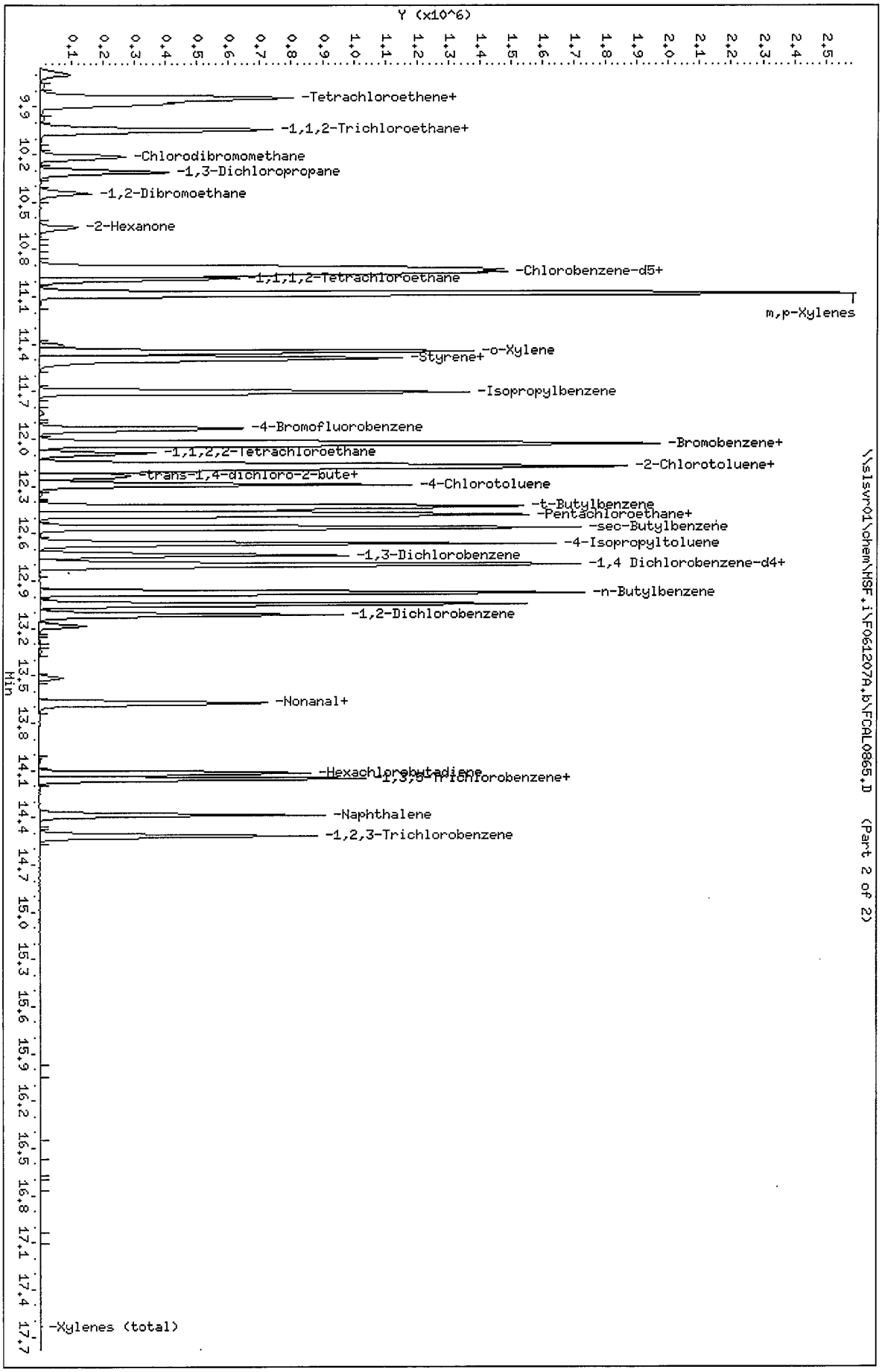
Date : 07-DEC-2006 15:42
Client ID:
Sample Info: VSTD050;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0865.D (Part 1 of 2)
Y (x10^6)
Min
-Freon-114
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Diethyl ether
-1,1-Dichloroethene
-Carbon Disulfide+
-Iodomethane
-Acrolein
-Allyl chloride
-Methylene Chloride+
-trans-1,2-Dichloroethene+
-n-Hexane+
-Acetonitrile
-2-Chloro-1,3-butadiene+
-Acrylonitrile
-Vinyl acetate
-1,2-Dichloroethene (total)
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Cyclohexane+
-Chloroform
-Ethyl acetate+
-2-Butanone+
-Benzene
-Propionitrile+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Methylcyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl methacrylate+
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-2-Nitropropane

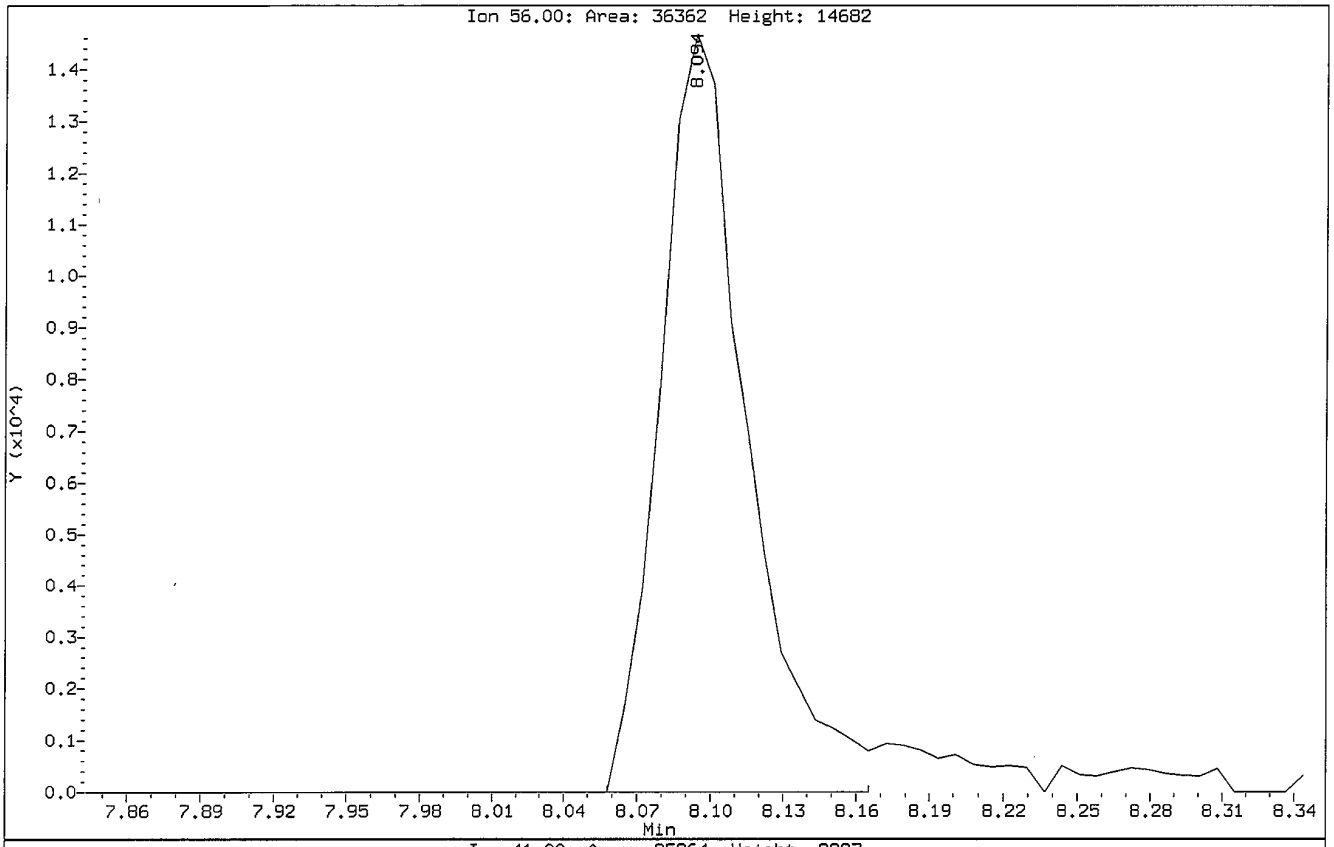

Data File: \\slsvr01\chem\MSF,i\F061207A,b\FCAL0865,D
Date : 07-DEC-2006 15:42
Client ID:
Sample Info: VSTD050;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0865,D (Part 2 of 2)
Y (x10^6)
Min
-Tetrachloroethene+
-1,1,2-Trichloroethane+
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane
m,p-Xylenes
-o-Xylene
-Styrene+
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-2-Chlorotoluene+
-trans-1,4-dichloro-2-bute+
-4-Chlorotoluene
-t-Butylbenzene
-Pentachloroethane+
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
-1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Nonanal+
-Hexachlorobutadiene
-1,3,5-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene
-Xylenes (total)

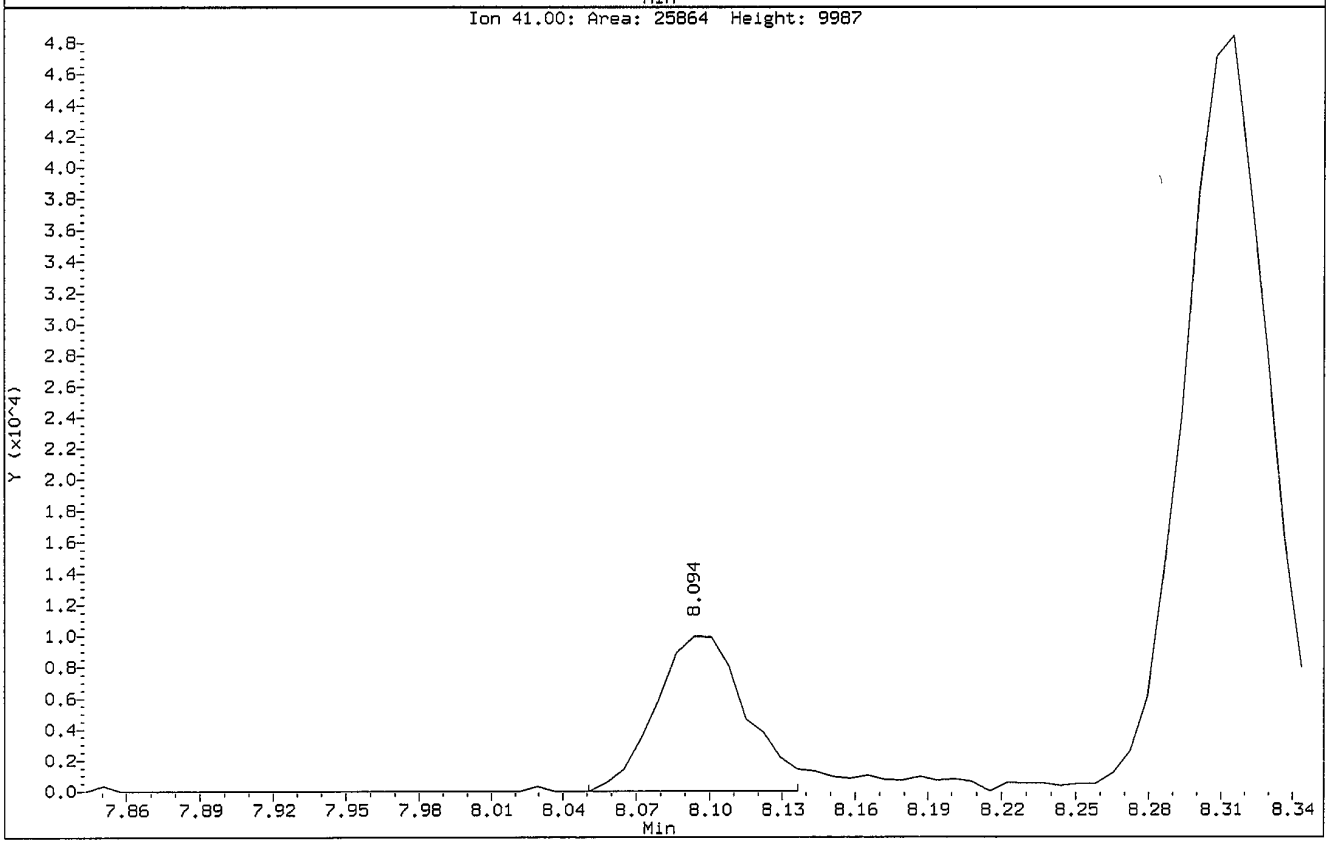
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0865.D
Injection Date: 07-DEC-2006 15:42
Instrument: MSF.i
Client Sample ID:

Compound: n-Butanol
CAS Number: 71-36-3

JMM 12-12-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



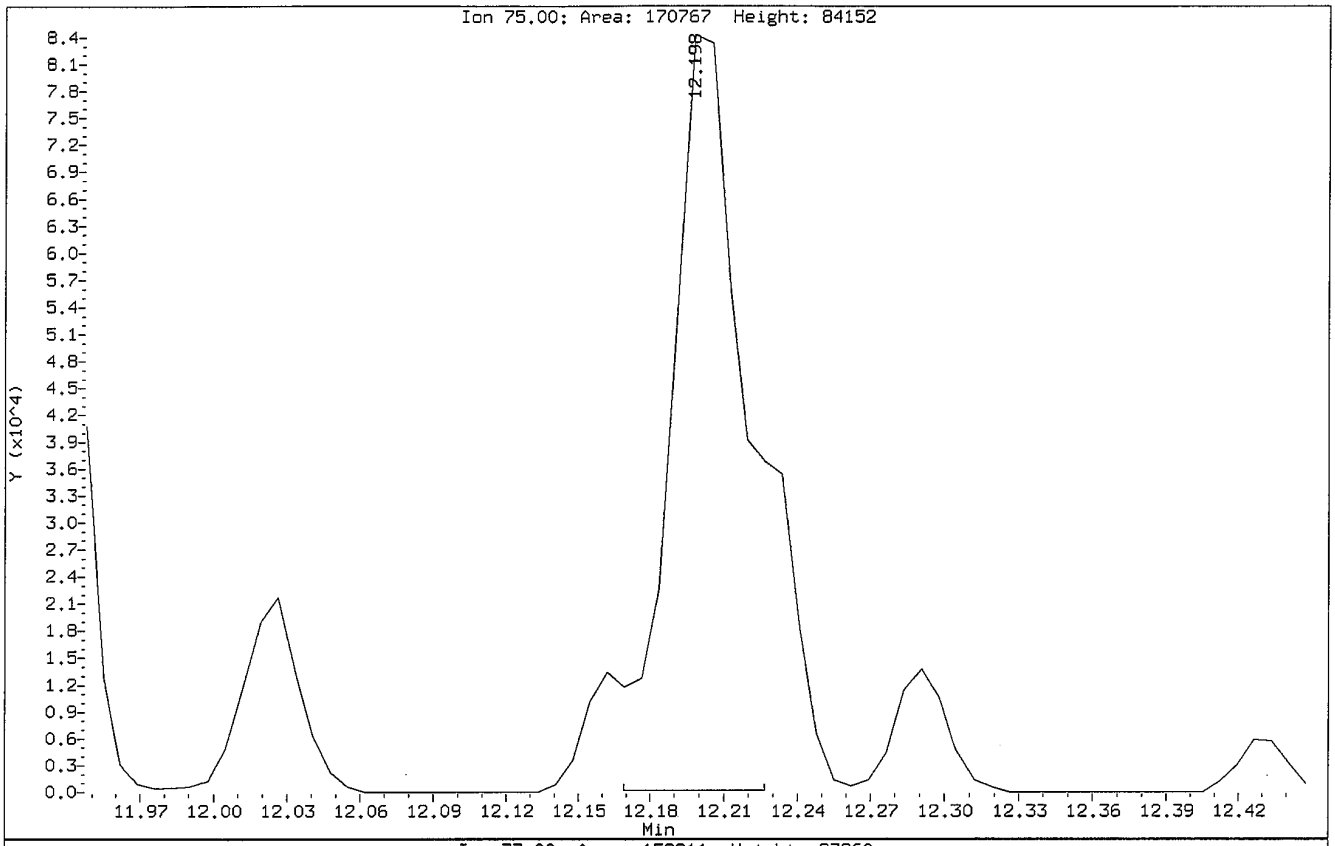


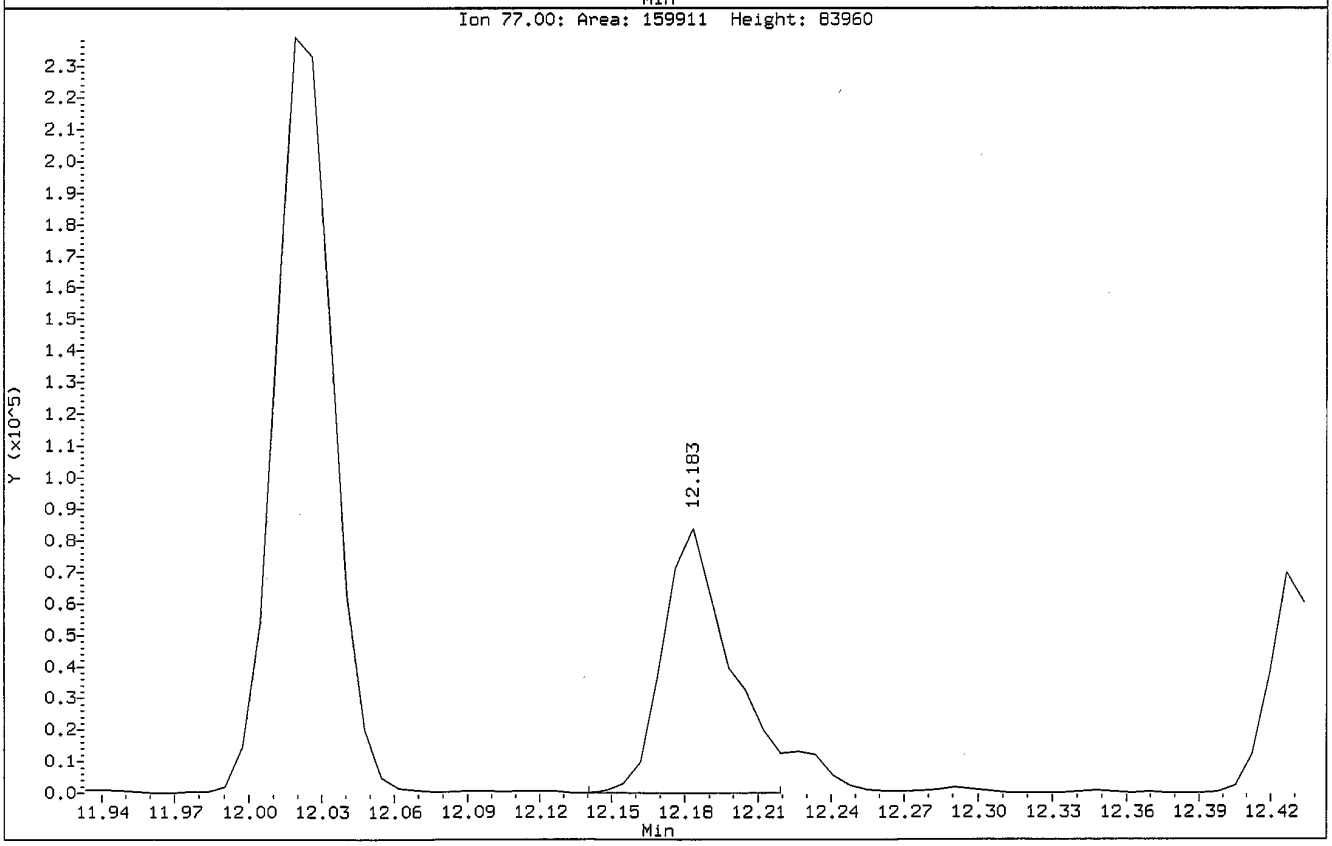
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0865.D
Injection Date: 07-DEC-2006 15:42
Instrument: MSF.i
Client Sample ID:

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4

mk 12-18-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0866.D
Report Date: 12-Dec-2006 13:13

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061207A.b\FCAL0866.D
Lab Smp Id: VSTD100
Inj Date : 07-DEC-2006 16:07
Operator : JDH Inst ID: MSF.i
Smp Info : VSTD100;F061207A.B
Misc Info : VBLKF341A.B;
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Meth Date : 12-Dec-2006 13:11 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 16:07 Cal File: FCAL0866.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.900	1.900	(0.255)	580124	100.000	92.59
2 Freon-114	135	2.029	2.029	(0.272)	244168	100.000	93.07
3 Chloromethane	50	2.093	2.093	(0.281)	665733	100.000	88.04
4 Vinyl Chloride	62	2.179	2.179	(0.292)	883490	100.000	91.75
5 Bromomethane	94	2.487	2.487	(0.333)	316903	100.000	50.48
6 Chloroethane	64	2.622	2.622	(0.351)	429574	100.000	71.27
7 Trichlorofluoromethane	101	2.751	2.751	(0.369)	1120134	100.000	95.45
8 Diethyl ether	74	3.073	3.073	(0.412)	800092	200.000	192.0
9 1,1-Dichloroethene	96	3.302	3.302	(0.442)	394095	100.000	94.02
10 Carbon Disulfide	76	3.345	3.345	(0.448)	1442109	100.000	91.74
11 1,1,2-Trichlorofluoroethane	151	3.359	3.359	(0.450)	269860	100.000	96.74
12 Iodomethane	142	3.473	3.473	(0.465)	410981	100.000	95.36
13 Acrolein	56	3.709	3.709	(0.497)	62619	500.000	515.9
14 Allyl chloride	39	3.874	3.874	(0.519)	473628	100.000	98.45
15 Methylene Chloride	84	4.002	4.002	(0.536)	471276	100.000	101.0
16 Acetone	43	4.081	4.081	(0.547)	88613	100.000	111.8
17 trans-1,2-Dichloroethene	96	4.224	4.224	(0.566)	418502	100.000	96.42
18 Methyl Acetate	74	4.246	4.246	(0.569)	55817	100.000	100.5
19 n-Hexane	86	4.324	4.324	(0.579)	128602	100.000	101.7
20 MTBE	73	4.367	4.367	(0.585)	1117527	100.000	101.5
21 Acetonitrile	41	4.732	4.732	(0.634)	209793	500.000	536.2
22 2-Chloro-1,3-butadiene	53	5.061	5.061	(0.678)	664426	100.000	109.4

JMK 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0866.D
Report Date: 12-Dec-2006 13:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	5.096	5.096	(0.683)	842943	100.000	95.80
	24 Acrylonitrile	53	5.175	5.175	(0.693)	559016	500.000	514.6
	25 Vinyl acetate	43	5.447	5.447	(0.730)	717318	100.000	109.8
M	26 1,2-Dichloroethene (total)	96				866376	200.000	197.6
	27 cis-1,2-Dichloroethene	96	5.826	5.826	(0.781)	447874	100.000	101.2
	28 2,2-Dichloropropane	77	5.976	5.976	(0.801)	552997	100.000	92.74
	29 Cyclohexane	84	6.090	6.090	(0.816)	642658	100.000	104.8
	30 Bromochloromethane	128	6.090	6.090	(0.816)	175060	100.000	95.67
	31 Chloroform	83	6.190	6.190	(0.829)	749840	100.000	93.36
	33 Ethyl acetate	45	6.362	6.362	(0.852)	99006	200.000	208.1(A)
	32 Carbon Tetrachloride	117	6.362	6.362	(0.852)	559500	100.000	96.27
	34 Tetrahydrofuran	71	6.398	6.398	(0.857)	199296	500.000	557.5
$	35 Dibromofluoromethane	113	6.426	6.426	(0.861)	343973	100.000	99.32
	36 1,1,1-Trichloroethane	97	6.455	6.455	(0.865)	665958	100.000	97.42
	37 2-Butanone	43	6.598	6.598	(0.884)	141476	100.000	106.2
	39 1,1-Dichloropropene	75	6.619	6.619	(0.887)	587125	100.000	102.2
	40 Benzene	78	6.934	6.934	(0.929)	1746037	100.000	97.20
	41 Propionitrile	54	6.977	6.977	(0.935)	229167	500.000	536.9
	42 Methacrylonitrile	41	7.006	7.006	(0.939)	1005237	500.000	519.8(A)
$	43 1,2-Dichloroethane-d4	65	7.106	7.106	(0.952)	433478	100.000	94.94
	44 1,2-Dichloroethane	62	7.191	7.191	(0.964)	512276	100.000	96.24
	45 Isobutanol	43	7.227	7.227	(0.968)	336026	2000.00	2369
*	46 Fluorobenzene	96	7.463	7.463	(1.000)	776963	50.0000	
	47 Methylcyclohexane	55	7.649	7.649	(1.025)	697666	100.000	102.2
	48 Trichloroethene	95	7.670	7.670	(1.028)	415086	100.000	98.50
	49 n-Butanol	56	8.092	8.092	(1.084)	96190	1000.00	1450(MH)
	50 Dibromomethane	93	8.185	8.185	(1.097)	200331	100.000	96.98
	51 1,2-Dichloropropane	63	8.314	8.314	(1.114)	440758	100.000	100.3
	52 Bromodichloromethane	83	8.385	8.385	(1.124)	553031	100.000	98.98
	53 Methyl methacrylate	69	8.593	8.593	(1.151)	213501	100.000	120.4
	54 1,4-Dioxane	88	8.643	8.643	(1.158)	60073	2000.00	2674
	55 2-Chloroethylvinyl ether	63	9.093	9.093	(1.218)	199844	100.000	130.9
	56 cis-1,3-Dichloropropene	75	9.158	9.158	(1.227)	660682	100.000	110.8
$	57 Toluene-d8	98	9.372	9.372	(0.859)	1407248	100.000	101.7
	58 Toluene	92	9.429	9.429	(0.864)	1032309	100.000	99.23
	59 2-Nitropropane	43	9.694	9.694	(0.888)	170163	100.000	109.9
	60 Tetrachloroethene	164	9.844	9.844	(0.902)	281727	100.000	95.81
	62 4-Methyl-2-pentanone	43	9.844	9.844	(1.319)	329740	100.000	123.2
	63 trans-1,3-Dichloropropene	75	9.880	9.880	(0.905)	527997	100.000	107.7
	64 1,1,2-Trichloroethane	83	10.044	10.044	(0.920)	254805	100.000	99.28
	65 Ethyl methacrylate	69	10.044	10.044	(0.920)	455280	100.000	123.6
	66 Chlorodibromomethane	129	10.216	10.216	(0.936)	327165	100.000	100.4
	67 1,3-Dichloropropane	76	10.309	10.309	(0.944)	548136	100.000	96.40
	68 1,2-Dibromoethane	107	10.445	10.445	(0.957)	253940	100.000	102.5
	69 2-Hexanone	43	10.659	10.659	(0.976)	190599	100.000	108.8
*	70 Chlorobenzene-d5	117	10.917	10.917	(1.000)	493110	50.0000	
	71 Chlorobenzene	112	10.931	10.931	(1.001)	1042488	100.000	95.67
	72 Ethylbenzene	91	10.952	10.952	(1.003)	1998790	100.000	96.65
	73 1,1,1,2-Tetrachloroethane	131	10.988	10.988	(1.007)	361692	100.000	94.57
	74 m,p-Xylenes	106	11.081	11.081	(1.015)	1531772	200.000	208.3
	75 o-Xylene	106	11.446	11.446	(1.048)	728358	100.000	105.1
	76 Styrene	104	11.489	11.489	(1.052)	1130951	100.000	112.6
	77 Bromoform	173	11.517	11.517	(0.900)	176236	100.000	107.4
	78 Isopropylbenzene	105	11.703	11.703	(1.072)	1753978	100.000	106.8

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0866.D
Report Date: 12-Dec-2006 13:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 79 4-Bromofluorobenzene	95	11.932	11.932	(0.933)	494056	100.000	101.0
80 Bromobenzene	156	12.025	12.025	(0.940)	391510	100.000	104.8
81 n-Propylbenzene	91	12.032	12.032	(0.941)	2412929	100.000	107.2
82 1,1,2,2-Tetrachloroethane	83	12.089	12.089	(0.945)	368218	100.000	97.40
83 2-Chlorotoluene	91	12.161	12.161	(1.629)	1635282	100.000	108.7
84 1,3,5-Trimethylbenzene	105	12.182	12.182	(0.952)	1749894	100.000	110.3
85 1,2,3-Trichloropropane	75	12.204	12.204	(0.954)	323738	100.000	90.01(M)
86 trans-1,4-dichloro-2-butene	53	12.225	12.225	(0.956)	102207	100.000	109.3
87 Cyclohexanone	55	12.239	12.239	(1.121)	159188	1000.00	856.8
88 4-Chlorotoluene	91	12.289	12.289	(1.647)	1381433	100.000	102.3
89 t-Butylbenzene	119	12.432	12.432	(0.972)	1693869	100.000	110.1
90 Pentachloroethane	167	12.454	12.454	(0.974)	268920	100.000	109.0
91 1,2,4-Trimethylbenzene	105	12.483	12.483	(0.976)	1735494	100.000	105.9
92 sec-Butylbenzene	105	12.561	12.561	(0.982)	2244189	100.000	107.4
93 4-Isopropyltoluene	119	12.661	12.661	(0.990)	1750027	100.000	110.2
94 1,3-Dichlorobenzene	146	12.740	12.740	(0.996)	758725	100.000	96.98
* 95 1,4 Dichlorobenzene-d4	152	12.790	12.790	(1.000)	233843	50.0000	
96 1,4-Dichlorobenzene	146	12.804	12.804	(1.001)	781279	100.000	91.12
98 n-Butylbenzene	91	12.976	12.976	(1.015)	1821959	100.000	103.4
99 1,2-Dichlorobenzene	146	13.119	13.119	(1.026)	731683	100.000	96.11
145 Nonanal	57	13.669	13.669	(1.069)	239744	100.000	131.0(A)
100 1,2-Dibromo-3-chloropropane	157	13.691	13.691	(1.070)	65376	100.000	110.3
101 Hexachlorobutadiene	225	14.120	14.120	(1.104)	290902	100.000	103.4
104 1,2,4-Trichlorobenzene	180	14.156	14.156	(1.107)	546402	100.000	100.6
105 Naphthalene	128	14.384	14.384	(1.125)	1276978	100.000	103.5
106 1,2,3-Trichlorobenzene	180	14.520	14.520	(1.135)	504132	100.000	98.51
M 107 Xylenes (total)	106				2260130	300.000	313.4

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0866.D
Report Date: 10-Dec-2006 17:25

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FCAL0866.D
Lab Smp Id: VSTD100
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Misc Info: VBLKF341A.B;

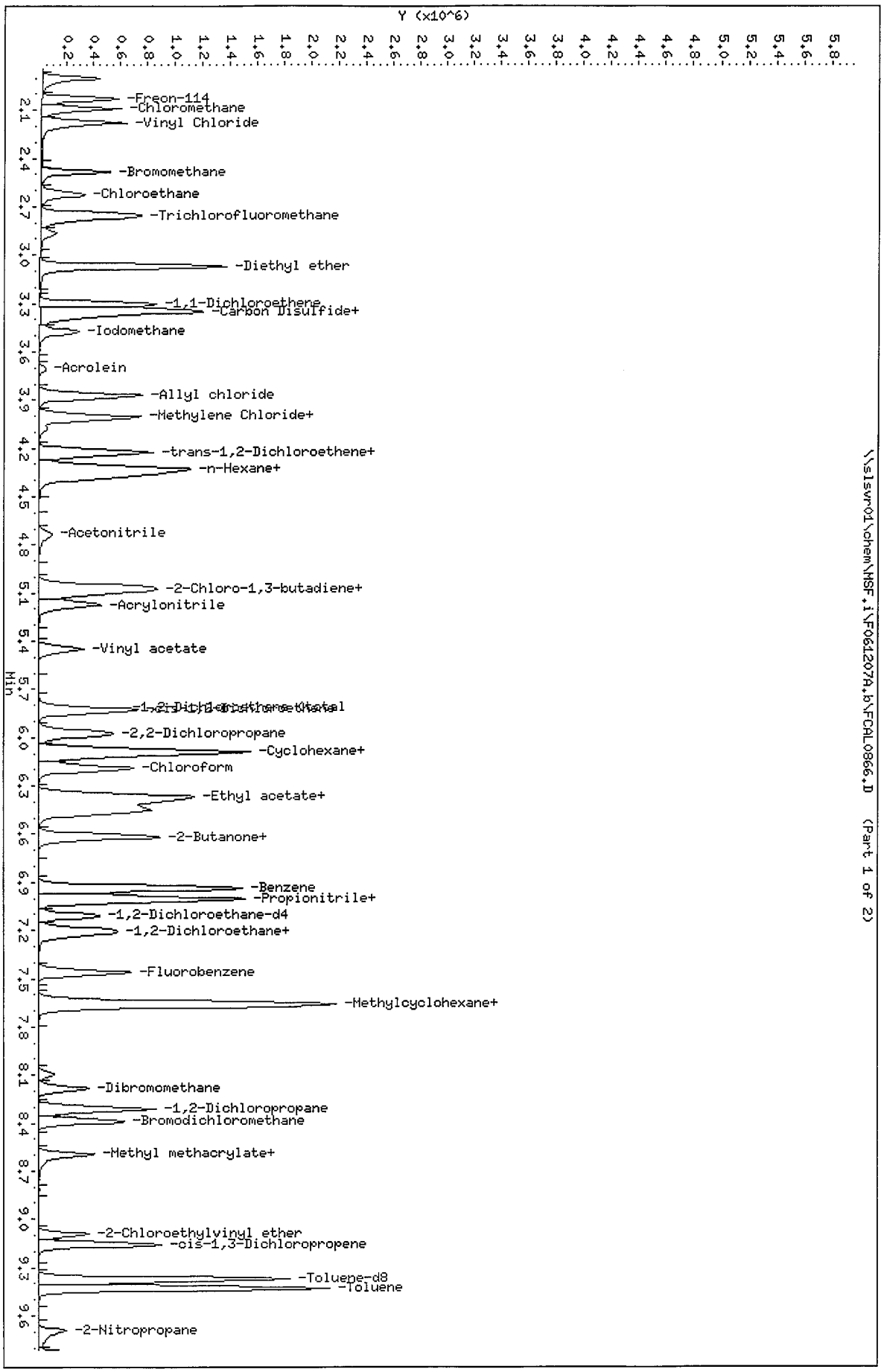
Calibration Date: 07-DEC-2006
Calibration Time: 15:42

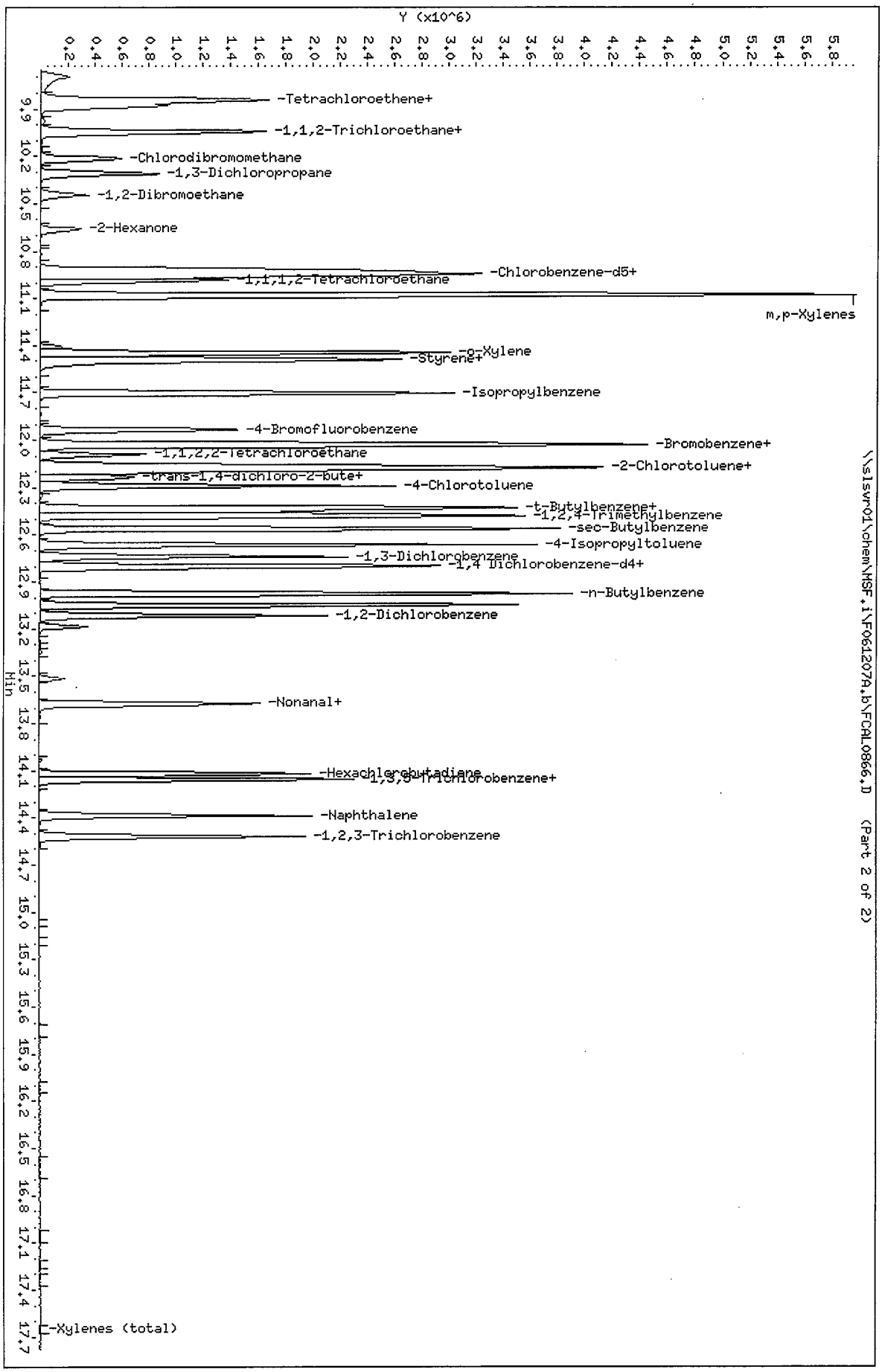
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	706088	353044	1412176	776963	10.04
70 Chlorobenzene-d5	427557	213779	855114	493110	15.33
95 1,4 Dichlorobenze	200765	100383	401530	233843	16.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	-0.01
70 Chlorobenzene-d5	10.92	10.42	11.42	10.92	-0.01
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.


Data File: \\slsvr01\chem\MSF,i\F061207A,b\FCAL0866,D
Date : 07-DEC-2006 16:07
Client ID:
Sample Info: VSTD100;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0866,D (Part 1 of 2)
Y (x10^6)
Min
-Freon-114
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Diethyl ether
-1,1-Dichloroethene
-Carbon Disulfide+
-Iodomethane
-Acrolein
-Allyl chloride
-Methylene Chloride+
-trans-1,2-Dichloroethene+
-n-Hexane+
-Acetonitrile
-2-Chloro-1,3-butadiene+
-Acrylonitrile
-Vinyl acetate
-1,2-Dichloroethene(total)
-2,2-Dichloropropane
-Cyclohexane+
-Chloroform
-Ethyl acetate+
-2-Butanone+
-Benzene
-Propionitrile+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Methylcyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl methacrylate+
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-2-Nitropropane

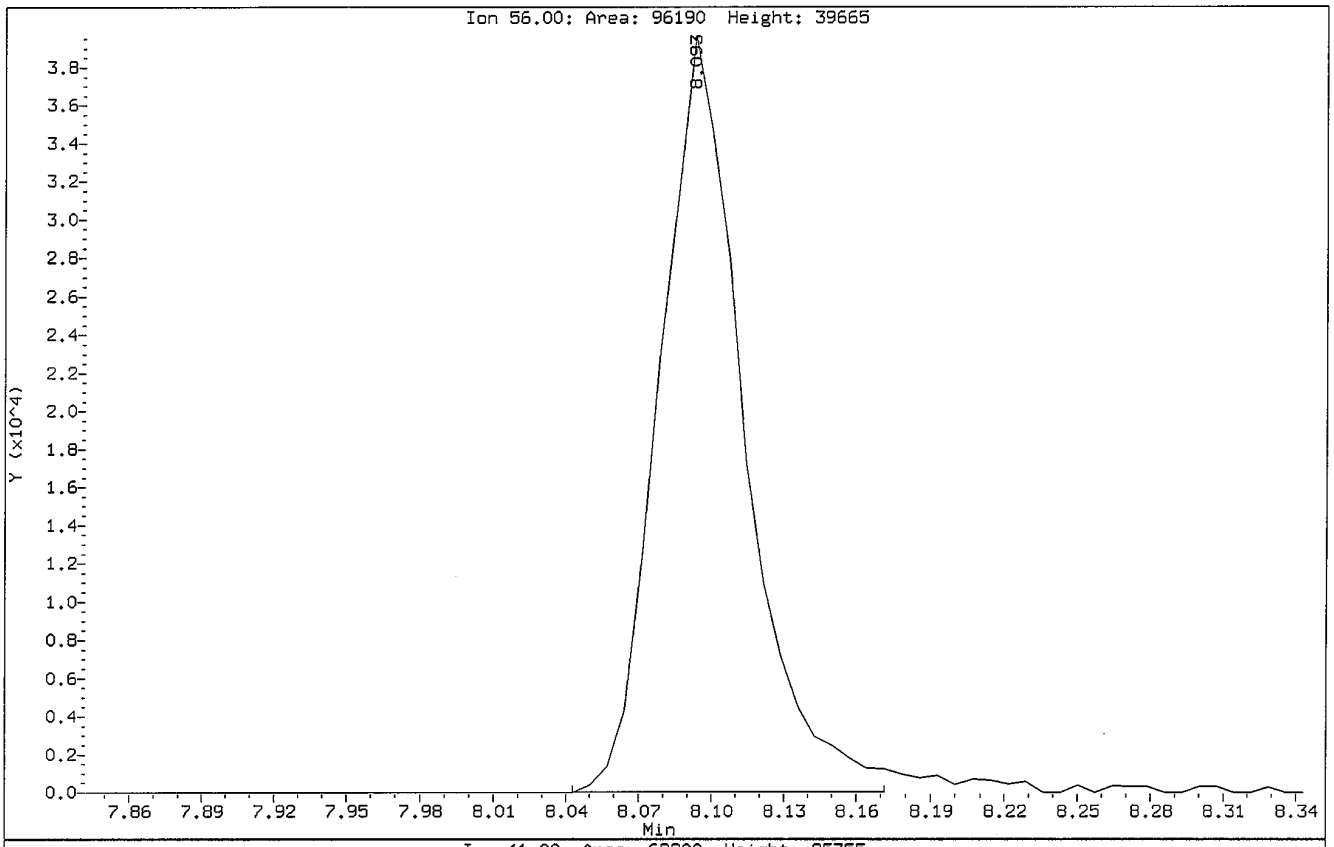

Data File: \\slsvr01\chem\MSF,i\F061207A,b\FCAL0866.D
Date : 07-DEC-2006 16:07
Client ID:
Sample Info: VSTD100;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0866.D (Part 2 of 2)
Y (x10^6)
Min
-Tetrachloroethene+
-1,1,2-Trichloroethane+
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane
m,p-Xylenes
-o-Xylene
-Styrene+
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-2-Chlorotoluene+
-trans-1,4-dichloro-2-bute+
-4-Chlorotoluene
-t-Butylbenzene+
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
-1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Nonanal+
-Hexachlorobutadiene
-1,3,5-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene
-Xylenes (total)

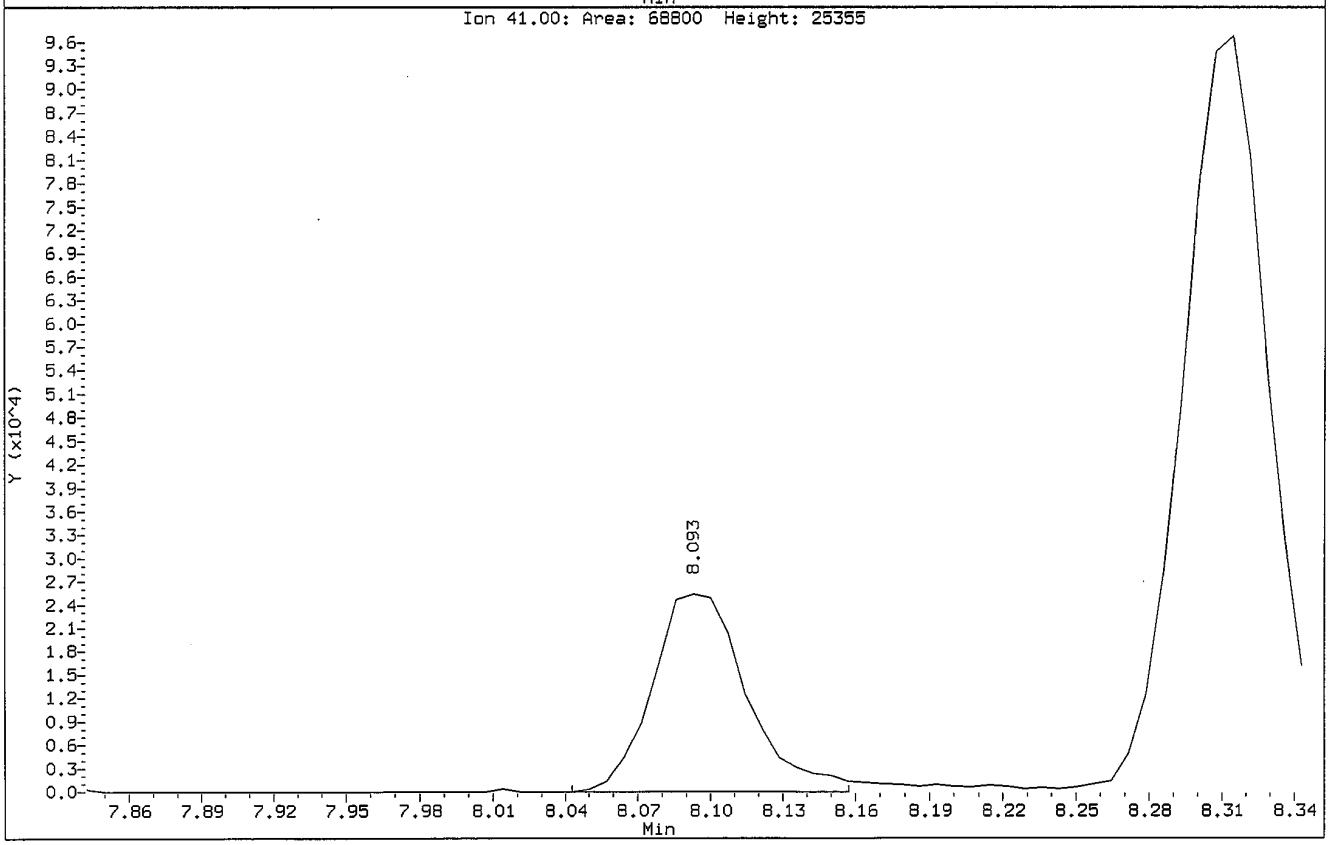
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0866.D
Injection Date: 07-DEC-2006 16:07
Instrument: MSF.i
Client Sample ID:

Compound: n-Butanol
CAS Number: 71-36-3

DMK 12-12-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



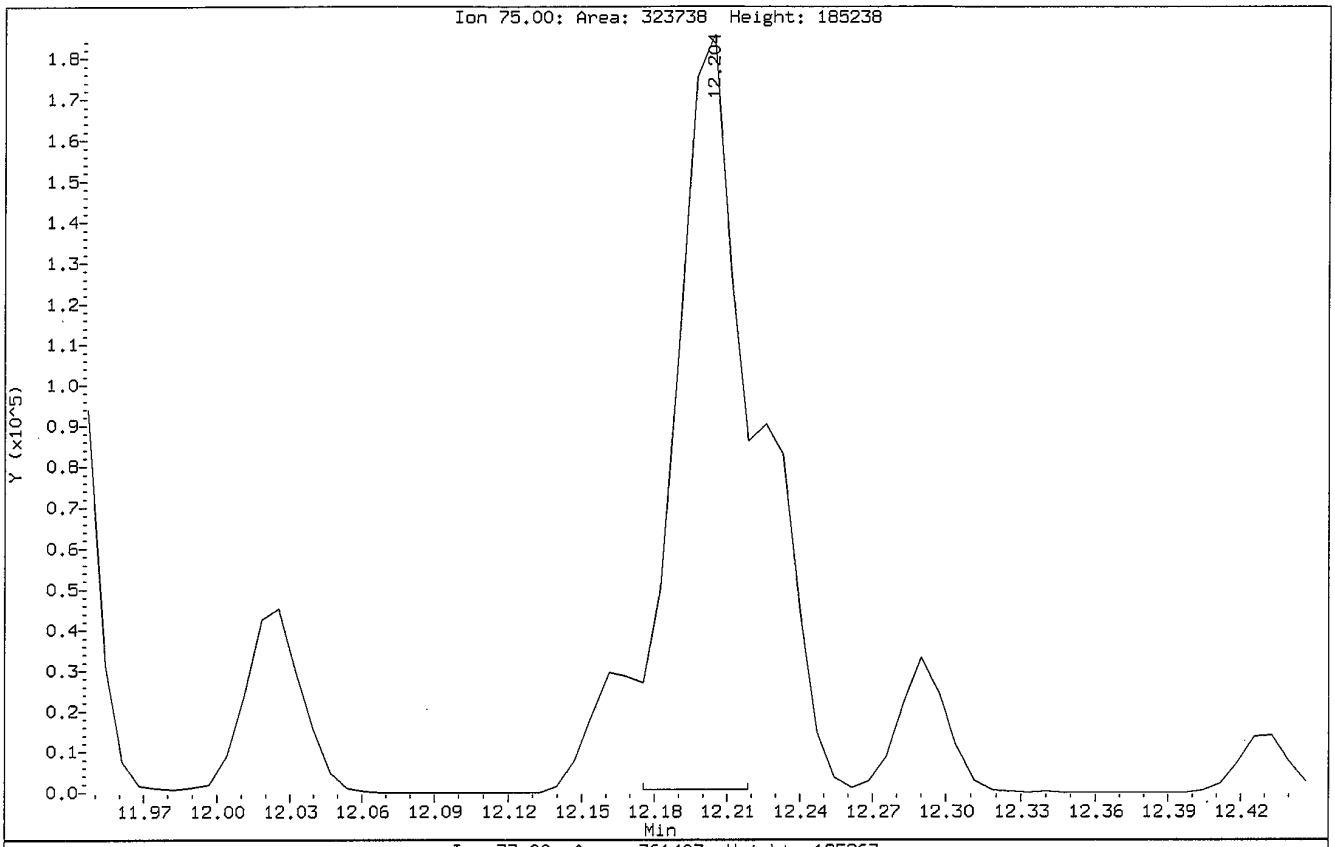


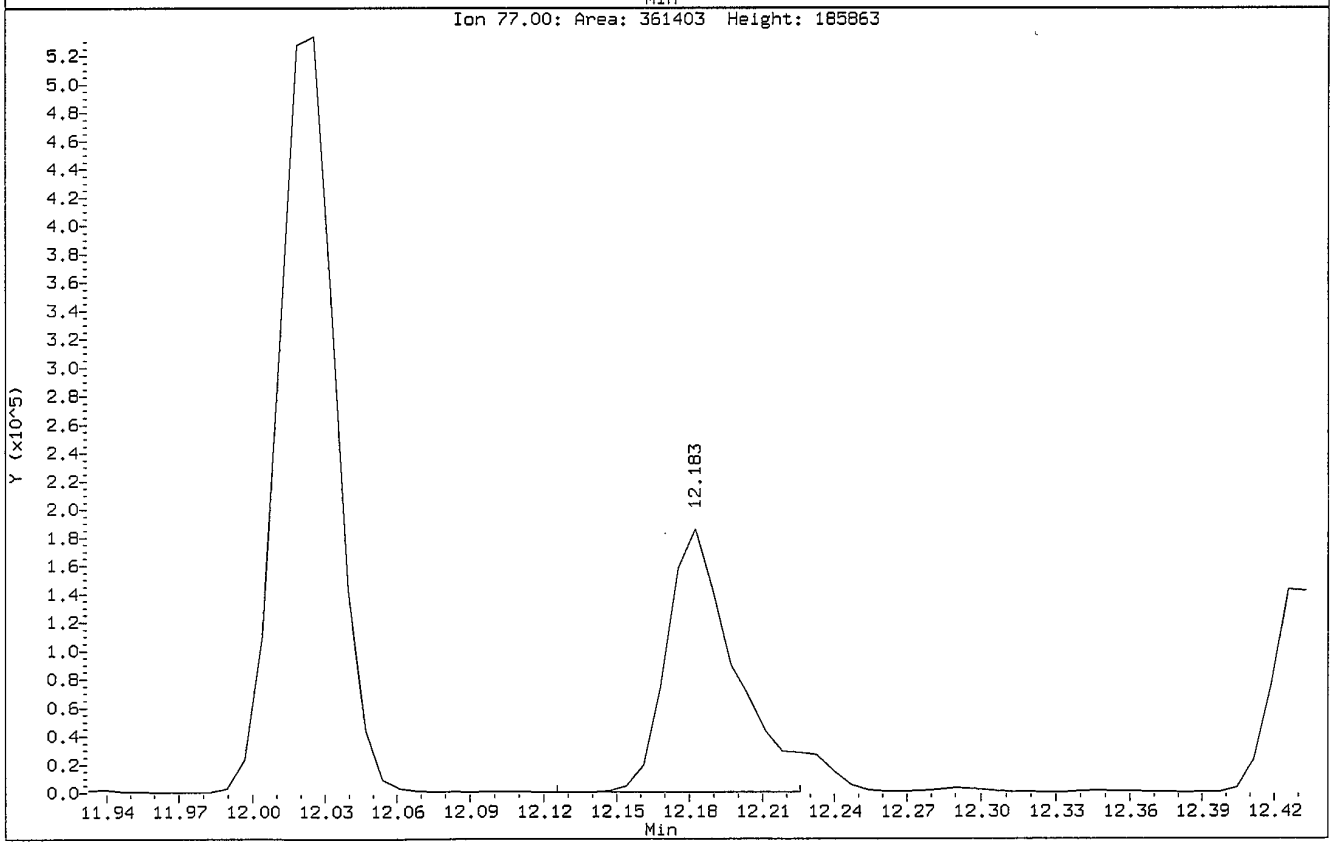
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0866.D
Injection Date: 07-DEC-2006 16:07
Instrument: MSF.i
Client Sample ID:

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4

MK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0867.D
Report Date: 12-Dec-2006 13:13

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061207A.b\FCAL0867.D
Lab Smp Id: VSTD200
Inj Date : 07-DEC-2006 16:31
Operator : JDH Inst ID: MSF.i
Smp Info : VSTD200;F061207A.B
Misc Info : VBLKF341A.B;
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Meth Date : 12-Dec-2006 13:11 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 16:31 Cal File: FCAL0867.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.894	1.894	(0.254)	1197792	200.000	163.8
2 Freon-114	135	2.030	2.030	(0.272)	530210	200.000	173.2
3 Chloromethane	50	2.094	2.094	(0.281)	1499308	200.000	169.9
4 Vinyl Chloride	62	2.173	2.173	(0.291)	1822334	200.000	162.2
5 Bromomethane	94	2.481	2.481	(0.332)	771289	200.000	105.3
6 Chloroethane	64	2.624	2.624	(0.352)	693334	200.000	98.57
7 Trichlorofluoromethane	101	2.752	2.752	(0.369)	2277975	200.000	166.3
8 Diethyl ether	74	3.067	3.067	(0.411)	1604855	400.000	330.0
9 1,1-Dichloroethene	96	3.303	3.303	(0.443)	1098117	200.000	224.5(A)
10 Carbon Disulfide	76	3.346	3.346	(0.448)	3749263	200.000	204.4(A)
11 1,1,2-Trichlorofluoroethane	151	3.360	3.360	(0.450)	749020	200.000	230.1(A)
12 Iodomethane	142	3.474	3.474	(0.466)	1006073	200.000	200.0(A)
13 Acrolein	56	3.703	3.703	(0.496)	137056	1000.00	967.6
14 Allyl chloride	39	3.868	3.868	(0.518)	1017040	200.000	181.2
15 Methylene Chloride	84	4.004	4.004	(0.536)	1036703	200.000	198.2
16 Acetone	43	4.075	4.075	(0.546)	170499	200.000	192.2
17 trans-1,2-Dichloroethene	96	4.218	4.218	(0.565)	948693	200.000	187.3
18 Methyl Acetate	74	4.239	4.239	(0.568)	133106	200.000	205.3(A)
19 n-Hexane	86	4.325	4.325	(0.579)	287587	200.000	194.9
20 MTBE	73	4.368	4.368	(0.585)	2434741	200.000	189.5
21 Acetonitrile	41	4.733	4.733	(0.634)	327752	1000.00	717.8
22 2-Chloro-1,3-butadiene	53	5.062	5.062	(0.678)	1488688	200.000	210.2(A)

MK 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0867.D
Report Date: 12-Dec-2006 13:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	5.090	5.090	(0.682)	1849347	200.000	180.1
	24 Acrylonitrile	53	5.169	5.169	(0.693)	1205341	1000.00	950.8
	25 Vinyl acetate	43	5.448	5.448	(0.730)	1587348	200.000	208.1(A)
M	26 1,2-Dichloroethene (total)	96				1954976	400.000	382.2
	27 cis-1,2-Dichloroethene	96	5.827	5.827	(0.781)	1006283	200.000	194.9
	28 2,2-Dichloropropane	77	5.970	5.970	(0.800)	1169099	200.000	168.0
	29 Cyclohexane	84	6.091	6.091	(0.816)	1468865	200.000	205.3(A)
	30 Bromochloromethane	128	6.091	6.091	(0.816)	409443	200.000	191.7
	31 Chloroform	83	6.191	6.191	(0.830)	1646371	200.000	175.6
	33 Ethyl acetate	45	6.363	6.363	(0.852)	216902	400.000	390.7(A)
	32 Carbon Tetrachloride	117	6.363	6.363	(0.852)	1228674	200.000	181.2
	34 Tetrahydrofuran	71	6.392	6.392	(0.856)	441005	1000.00	1057(A)
$	35 Dibromofluoromethane	113	6.427	6.427	(0.861)	765029	200.000	189.3
	36 1,1,1-Trichloroethane	97	6.456	6.456	(0.865)	1463524	200.000	183.5
	37 2-Butanone	43	6.599	6.599	(0.884)	301651	200.000	196.3
	39 1,1-Dichloropropene	75	6.620	6.620	(0.887)	1315086	200.000	196.1
	40 Benzene	78	6.935	6.935	(0.929)	3912476	200.000	186.6
	41 Propionitrile	54	6.978	6.978	(0.935)	479723	1000.00	963.2
	42 Methacrylonitrile	41	7.007	7.007	(0.939)	2162932	1000.00	958.5(A)
$	43 1,2-Dichloroethane-d4	65	7.107	7.107	(0.952)	908343	200.000	170.5
	44 1,2-Dichloroethane	62	7.192	7.192	(0.964)	1092456	200.000	175.9
	45 Isobutanol	43	7.221	7.221	(0.967)	627648	4000.00	3792
*	46 Fluorobenzene	96	7.464	7.464	(1.000)	906681	50.0000	
	47 Methylcyclohexane	55	7.650	7.650	(1.025)	1571110	200.000	197.3
	48 Trichloroethene	95	7.664	7.664	(1.027)	955515	200.000	194.3
	49 n-Butanol	56	8.093	8.093	(1.084)	157407	2000.00	1803(MH)
	50 Dibromomethane	93	8.179	8.179	(1.096)	451106	200.000	187.1
	51 1,2-Dichloropropane	63	8.308	8.308	(1.113)	988299	200.000	192.7
	52 Bromodichloromethane	83	8.387	8.387	(1.124)	1239521	200.000	190.1
	53 Methyl methacrylate	69	8.594	8.594	(1.151)	491155	200.000	237.4(A)
	54 1,4-Dioxane	88	8.637	8.637	(1.157)	113607	4000.00	4334(AM)
	55 2-Chloroethylvinyl ether	63	9.094	9.094	(1.218)	459715	200.000	258.0(A)
	56 cis-1,3-Dichloropropene	75	9.159	9.159	(1.227)	1482303	200.000	213.0(A)
$	57 Toluene-d8	98	9.373	9.373	(0.859)	3191800	200.000	186.8
	58 Toluene	92	9.430	9.430	(0.864)	2383746	200.000	185.6
	59 2-Nitropropane	43	9.695	9.695	(0.888)	366735	200.000	193.3
	60 Tetrachloroethene	164	9.845	9.845	(0.902)	682610	200.000	188.0
	62 4-Methyl-2-pentanone	43	9.845	9.845	(1.319)	709354	200.000	227.1(A)
	63 trans-1,3-Dichloropropene	75	9.881	9.881	(0.905)	1194284	200.000	197.3
	64 1,1,2-Trichloroethane	83	10.045	10.045	(0.920)	584056	200.000	184.3
	65 Ethyl methacrylate	69	10.045	10.045	(0.920)	1065294	200.000	234.3(A)
	66 Chlorodibromomethane	129	10.217	10.217	(0.936)	747592	200.000	185.9
	67 1,3-Dichloropropane	76	10.310	10.310	(0.944)	1236054	200.000	176.0
	68 1,2-Dibromoethane	107	10.446	10.446	(0.957)	575869	200.000	188.2
	69 2-Hexanone	43	10.660	10.660	(0.976)	434699	200.000	201.0(A)
*	70 Chlorobenzene-d5	117	10.918	10.918	(1.000)	608856	50.0000	
	71 Chlorobenzene	112	10.932	10.932	(1.001)	2512414	200.000	186.7
	72 Ethylbenzene	91	10.953	10.953	(1.003)	4636777	200.000	181.6
	73 1,1,1,2-Tetrachloroethane	131	10.989	10.989	(1.007)	852031	200.000	180.4
	74 m,p-Xylenes	106	11.082	11.082	(1.015)	3758909	400.000	414.0(A)
	75 o-Xylene	106	11.447	11.447	(1.048)	1740169	200.000	203.3(A)
	76 Styrene	104	11.490	11.490	(1.052)	2765395	200.000	222.9(A)
	77 Bromoform	173	11.518	11.518	(0.901)	411605	200.000	202.0(A)
	78 Isopropylbenzene	105	11.704	11.704	(1.072)	3981929	200.000	196.3

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0867.D
Report Date: 12-Dec-2006 13:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$ 79 4-Bromofluorobenzene	95	11.933	11.933	(0.933)	1171721	200.000	192.8
80 Bromobenzene	156	12.026	12.026	(0.940)	997183	200.000	215.0(A)
81 n-Propylbenzene	91	12.033	12.033	(0.941)	5433429	200.000	194.3
82 1,1,2,2-Tetrachloroethane	83	12.090	12.090	(0.945)	810183	200.000	172.5
83 2-Chlorotoluene	91	12.162	12.162	(1.629)	3828915	200.000	218.0(A)
84 1,3,5-Trimethylbenzene	105	12.183	12.183	(0.952)	4107770	200.000	208.4(A)
85 1,2,3-Trichloropropane	75	12.205	12.205	(0.954)	741034	200.000	165.8(M)
86 trans-1,4-dichloro-2-butene	53	12.226	12.226	(0.956)	220391	200.000	193.1
87 Cyclohexanone	55	12.248	12.248	(1.122)	290669	2000.00	1267
88 4-Chlorotoluene	91	12.291	12.291	(1.647)	3140816	200.000	199.4
89 t-Butylbenzene	119	12.434	12.434	(0.972)	3987010	200.000	208.6(A)
90 Pentachloroethane	167	12.455	12.455	(0.974)	663582	200.000	216.4(A)
91 1,2,4-Trimethylbenzene	105	12.484	12.484	(0.976)	4008591	200.000	196.9
92 sec-Butylbenzene	105	12.562	12.562	(0.982)	4962357	200.000	191.1
93 4-Isopropyltoluene	119	12.662	12.662	(0.990)	4020593	200.000	203.8(A)
94 1,3-Dichlorobenzene	146	12.741	12.741	(0.996)	1830590	200.000	188.3
* 95 1,4 Dichlorobenzene-d4	152	12.791	12.791	(1.000)	290539	50.0000	
96 1,4-Dichlorobenzene	146	12.805	12.805	(1.001)	1896381	200.000	178.0
98 n-Butylbenzene	91	12.977	12.977	(1.015)	3998172	200.000	182.6
99 1,2-Dichlorobenzene	146	13.120	13.120	(1.026)	1751825	200.000	185.2
145 Nonanal	57	13.671	13.671	(1.069)	539596	200.000	237.2(A)
100 1,2-Dibromo-3-chloropropane	157	13.685	13.685	(1.070)	148093	200.000	201.2(A)
101 Hexachlorobutadiene	225	14.121	14.121	(1.104)	669375	200.000	191.4
104 1,2,4-Trichlorobenzene	180	14.157	14.157	(1.107)	1293798	200.000	191.8
105 Naphthalene	128	14.386	14.386	(1.125)	2802394	200.000	182.8
106 1,2,3-Trichlorobenzene	180	14.521	14.521	(1.135)	1172585	200.000	184.4
M 107 Xylenes (total)	106				5499078	600.000	617.3

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0867.D
Report Date: 07-Dec-2006 16:58

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FCAL0867.D
Lab Smp Id: VSTD200
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Misc Info: VBLKF341A.B;

Calibration Date: 07-DEC-2006
Calibration Time: 15:42

Level: LOW
Sample Type: WATER

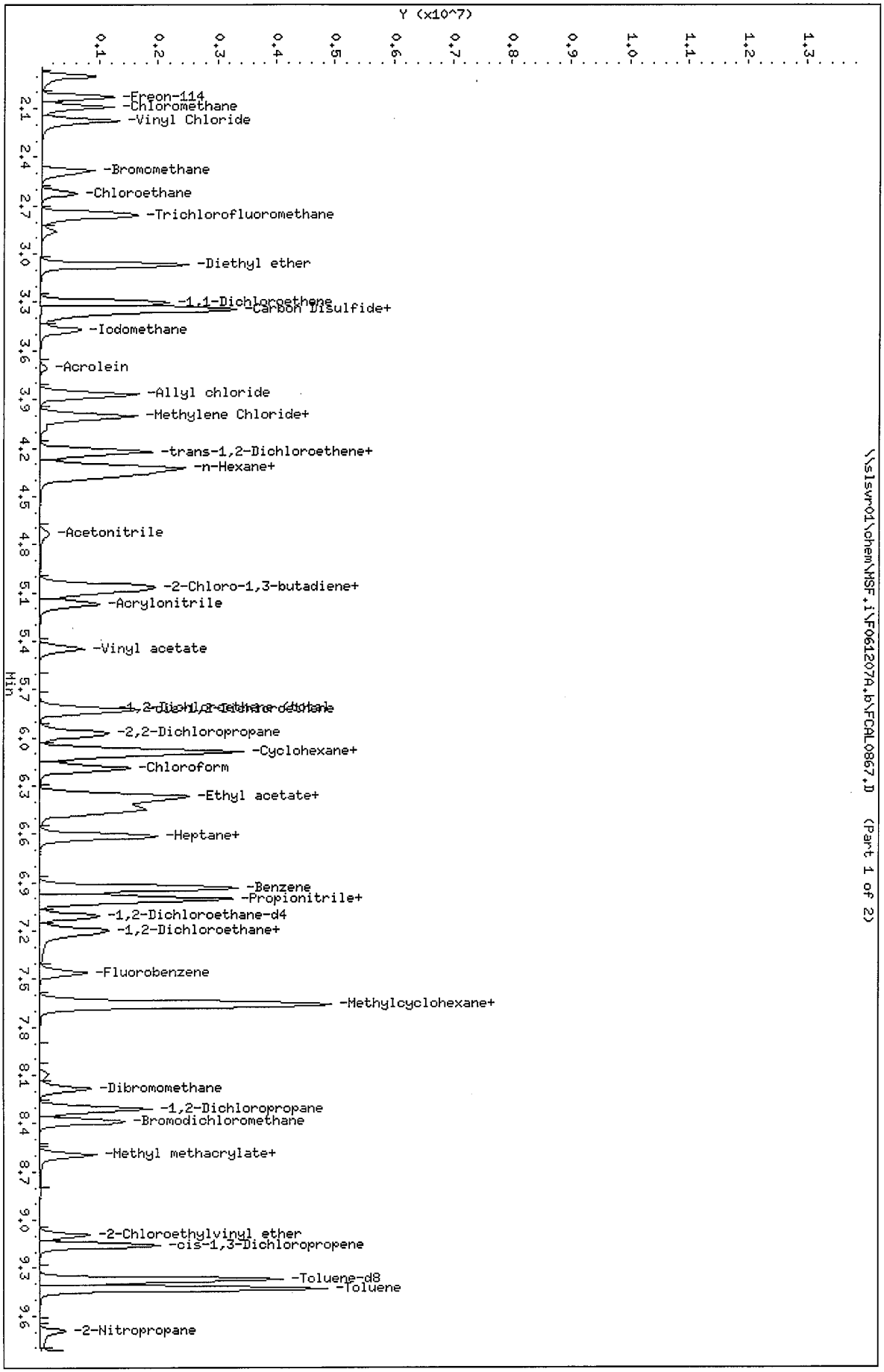
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	706088	353044	1412176	906681	28.41
70 Chlorobenzene-d5	427557	213779	855114	608856	42.40
95 1,4 Dichlorobenze	200765	100383	401530	290539	44.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	0.00
70 Chlorobenzene-d5	10.92	10.42	11.42	10.92	0.00
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	0.00

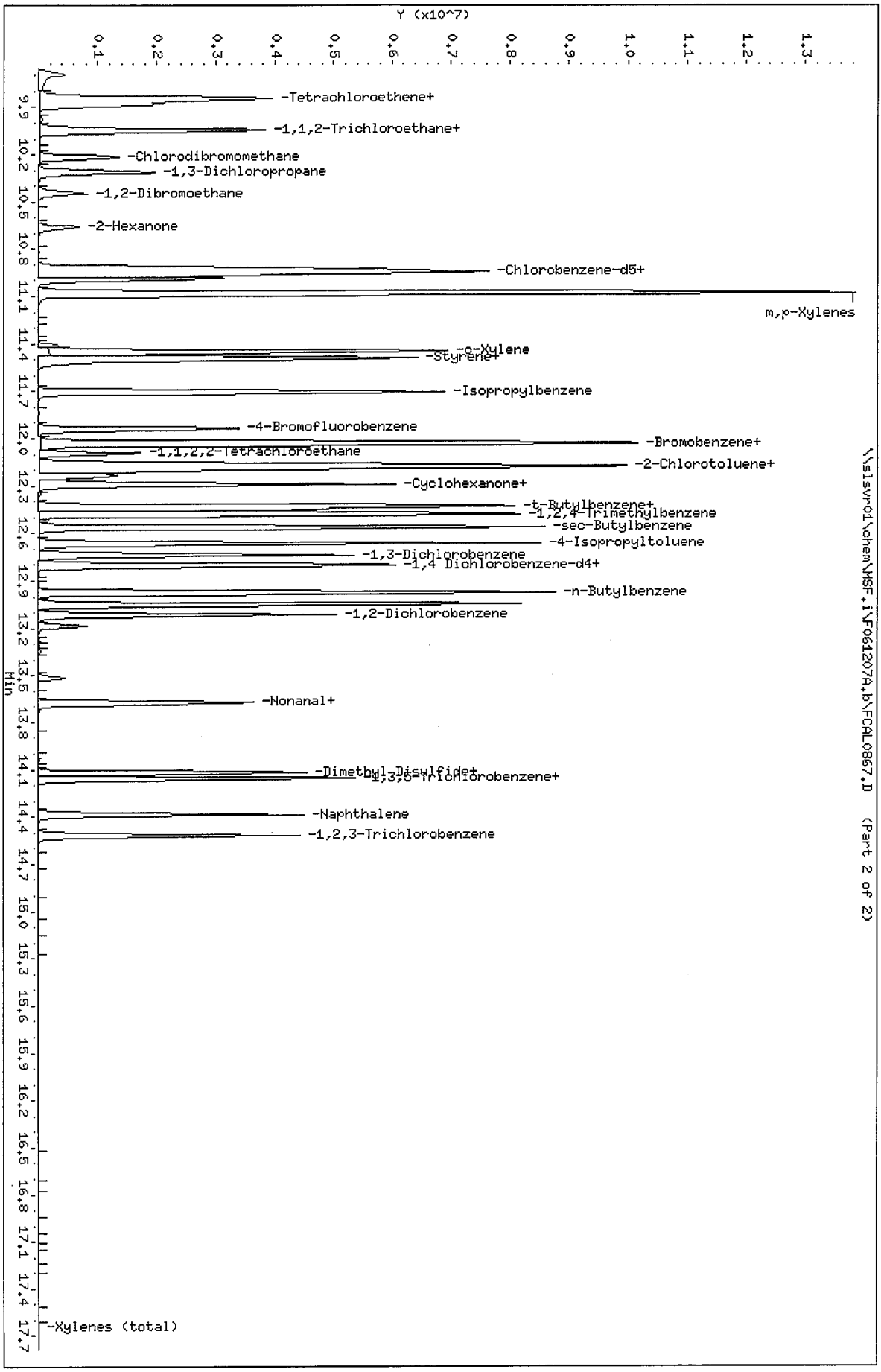
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\slsvr01\chem\MSF,i\F061207A,b\FCAL0867,D
Date : 07-DEC-2006 16:31
Client ID:
Sample Info: VSTD200;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS

Instrument: MSF,i
Operator: JDH
Column diameter: 0.25



\\slsvr01\chem\MSF,i\F061207A,b\FCAL0867,D (Part 1 of 2)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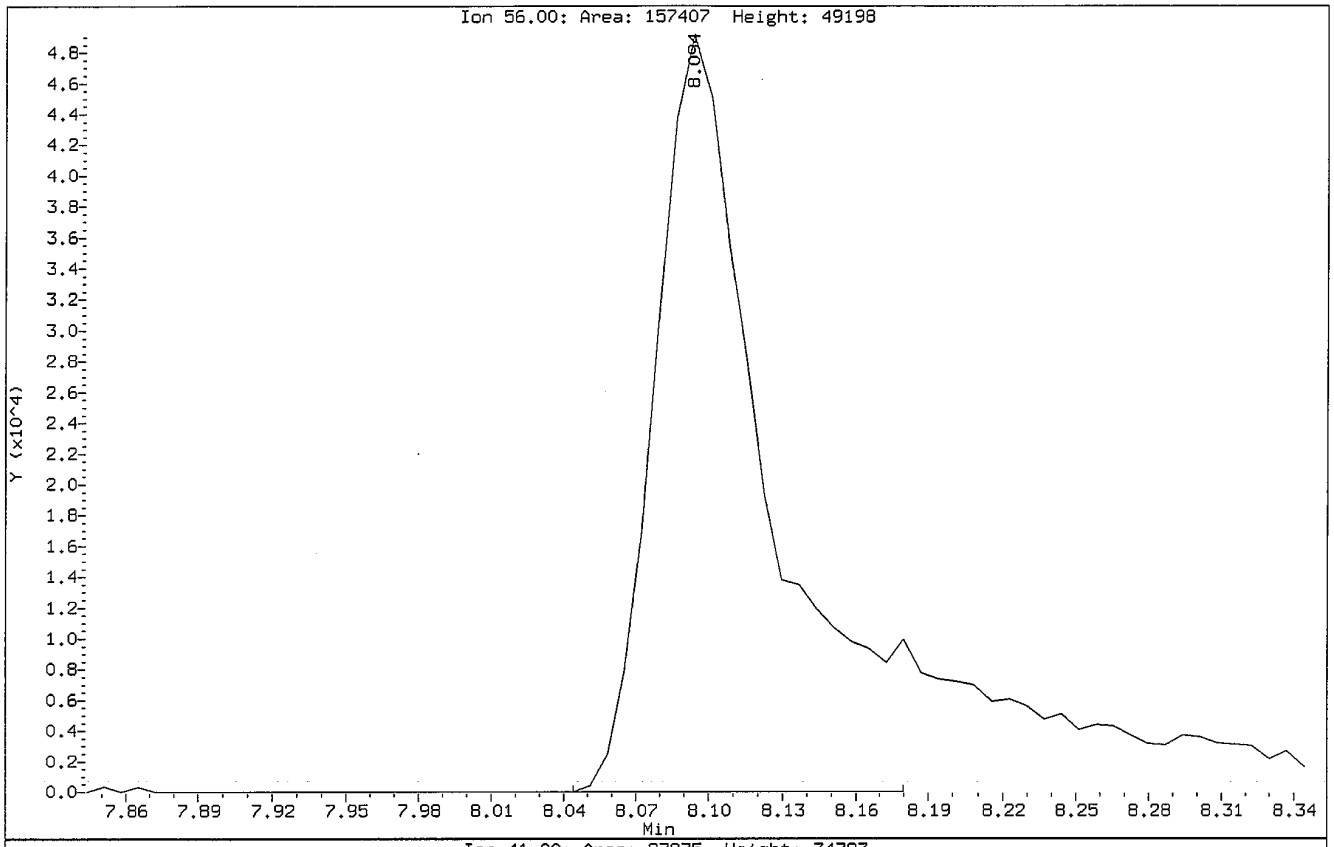
Date : 07-DEC-2006 16:31
Client ID:
Sample Info: VSTD200;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061207A,b\FCAL0867,D (Part 2 of 2)
Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
Min
9.9
10.2
10.5
10.8
11.1
11.4
11.7
12.0
12.3
12.6
12.9
13.2
13.5
13.8
14.1
14.4
14.7
15.0
15.3
15.6
15.9
16.2
16.5
16.8
17.1
17.4
17.7
-Tetrachloroethene+
-1,1,2-Trichloroethane+
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
m,p-Xylenes
-o-Xylene
-Styrene+
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-2-Chlorotoluene+
-Cyclohexanone+
-t-Butylbenzene+
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
-1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Nonanal+
-Dimethyl-Disulfide+
-1,3,5-Trichlorobenzene+
-Naphthalene
-1,2,3-Trichlorobenzene
-Xylenes (total)

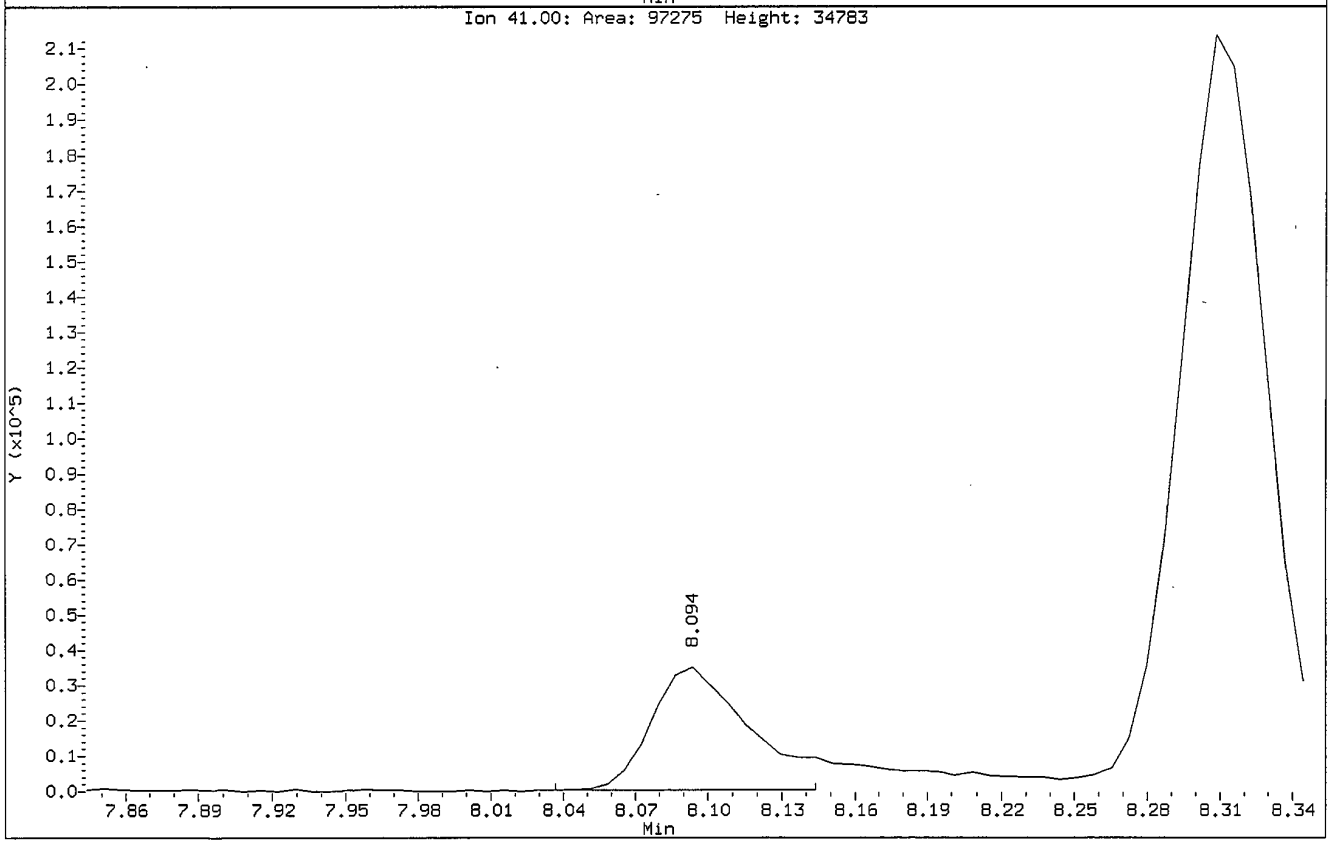
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0867.D
Injection Date: 07-DEC-2006 16:31
Instrument: MSF.i
Client Sample ID:

Compound: n-Butanol
CAS Number: 71-36-3

JMR 12-12-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



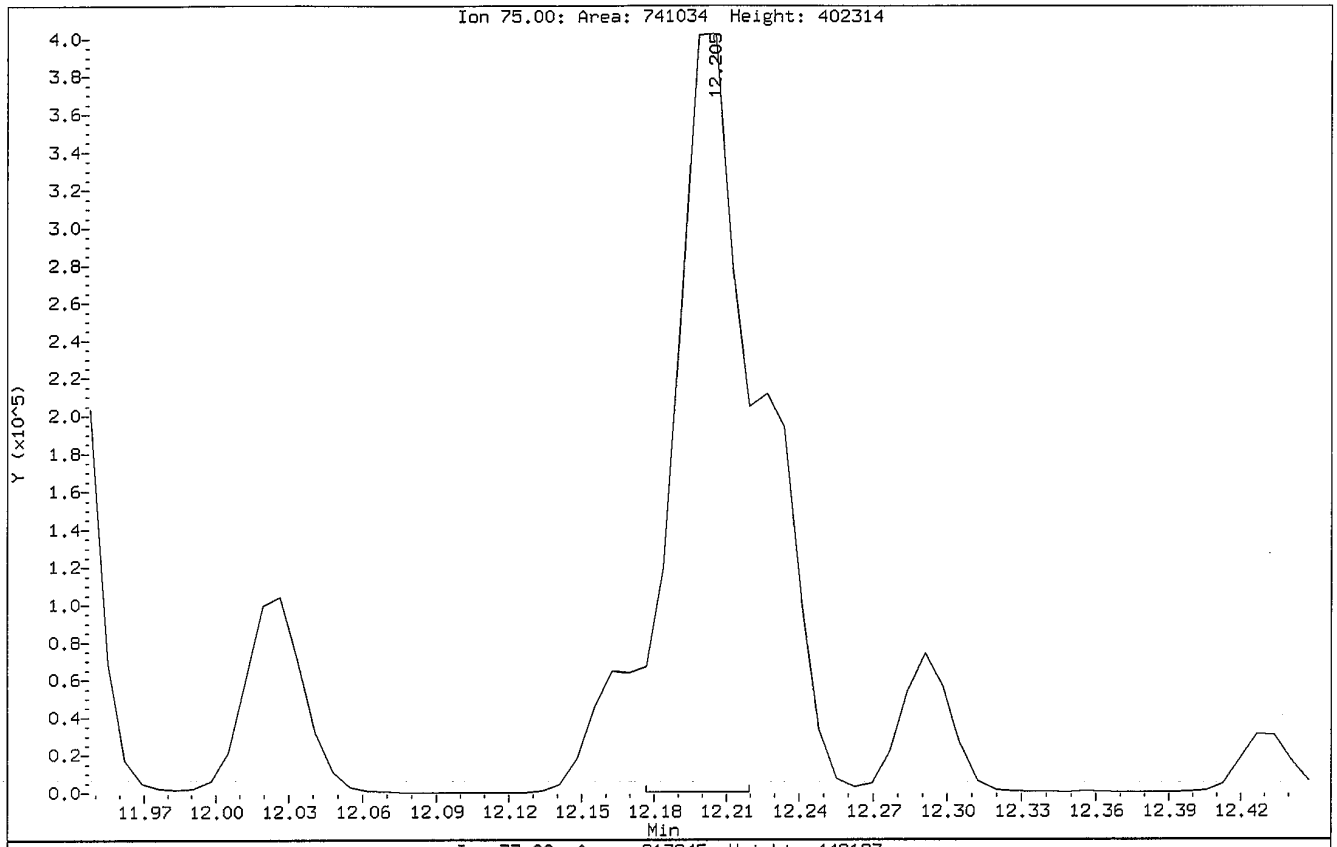


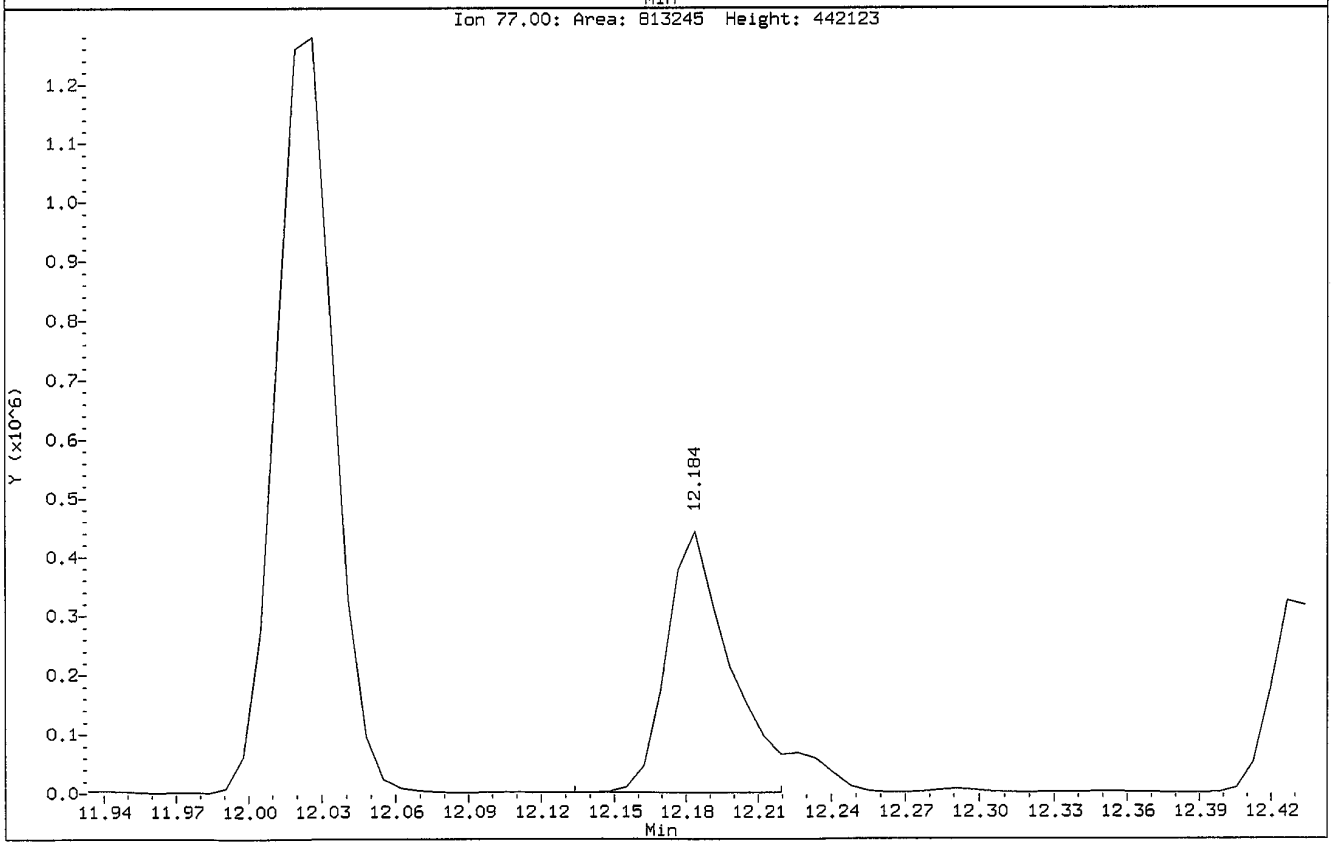
Data File: \\slsvr01\chem\MSF.i\F061207A.b\FCAL0867.D
Injection Date: 07-DEC-2006 16:31
Instrument: MSF.i
Client Sample ID:

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4

MK 12-10-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





Data File: \\slsvr01\chem\MSF.i\F061207A.b\FICV0869.D
Report Date: 11-Dec-2006 17:32

STL St. Louis

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSF.i
Lab File ID: FICV0869.D
Analysis Type: WATER
Lab Sample ID: ICV050
Method: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m

Injection Date: 07-DEC-2006 18:03
Init. Cal. Date(s): 07-DEC-2006 07-DEC-2006
Init. Cal. Times: 13:40 16:31
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	1 Dichlorodifluoromethane	0.40320	0.28879	0.28879	0.000	28.37420	60.00000	Averaged
	3 Chloromethane	0.48661	0.36574	0.36574	0.100	24.83981	60.00000	Averaged
	4 Vinyl Chloride	0.61965	0.49977	0.49977	0.000	19.34722	20.00000	Averaged
	5 Bromomethane	0.40400	0.26610	0.26610	0.000	34.13318	60.00000	Averaged
	6 Chloroethane	0.38788	0.29264	0.29264	0.000	24.55330	60.00000	Averaged
	7 Trichlorofluoromethane	0.75517	0.60630	0.60630	0.000	19.71381	60.00000	Averaged
	8 Diethyl ether	0.26815	0.21224	0.21224	0.000	20.84876	60.00000	Averaged
	9 1,1-Dichloroethene	0.26973	0.24221	0.24221	0.000	10.20208	20.00000	Averaged
	10 Carbon Disulfide	1.01163	0.86356	0.86356	0.000	14.63634	60.00000	Averaged
	11 1,1,2-Trichlorofluoroethane	0.17951	0.16700	0.16700	0.000	6.97070	60.00000	Averaged
M	26 1,2-Dichloroethene (total)	0.28201	0.26324	0.26324	0.000	6.65674	60.00000	Averaged
	14 Allyl chloride	0.30960	0.26940	0.26940	0.000	12.98525	60.00000	Averaged
	15 Methylene Chloride	50.00000	44.93906	0.29695	0.000	10.12188	60.00000	Linear
	16 Acetone	50.00000	47.01547	0.05442	0.000	5.96906	60.00000	Linear
	17 trans-1,2-Dichloroethene	0.27930	0.25629	0.25629	0.000	8.24117	60.00000	Averaged
	20 MTBE	0.70856	0.66447	0.66447	0.000	6.22265	60.00000	Averaged
	19 n-Hexane	0.08135	0.07700	0.07700	0.000	5.34453	60.00000	Averaged
	23 1,1-Dichloroethane	0.56623	0.49480	0.49480	0.100	12.61515	60.00000	Averaged
	27 cis-1,2-Dichloroethene	0.28472	0.27019	0.27019	0.000	5.10242	60.00000	Averaged
	28 2,2-Dichloropropane	0.38372	0.34008	0.34008	0.000	11.37479	60.00000	Averaged
	30 Bromochloromethane	0.11776	0.10603	0.10603	0.000	9.95783	60.00000	Averaged
	31 Chloroform	0.51688	0.44595	0.44595	0.000	13.72241	20.00000	Averaged
	32 Carbon Tetrachloride	0.37399	0.32164	0.32164	0.000	13.99708	60.00000	Averaged
	34 Tetrahydrofuran	0.02300	0.02458	0.02458	0.000	-6.83166	60.00000	Averaged
$	35 Dibromofluoromethane	0.22288	0.20299	0.20299	0.000	8.92116	60.00000	Averaged
	36 1,1,1-Trichloroethane	0.43990	0.39076	0.39076	0.000	11.17211	60.00000	Averaged
	37 2-Butanone	50.00000	46.60101	0.08251	0.000	6.79798	60.00000	Linear
	39 1,1-Dichloropropene	0.36983	0.34675	0.34675	0.000	6.23963	60.00000	Averaged
	40 Benzene	1.15601	1.04876	1.04876	0.000	9.27816	60.00000	Averaged
$	43 1,2-Dichloroethane-d4	0.29384	0.25004	0.25004	0.000	14.90485	60.00000	Averaged
	44 1,2-Dichloroethane	0.34255	0.29430	0.29430	0.000	14.08469	60.00000	Averaged
	48 Trichloroethene	0.27119	0.24521	0.24521	0.000	9.57972	60.00000	Averaged
	50 Dibromomethane	0.13293	0.11887	0.11887	0.000	10.57505	60.00000	Averaged
	51 1,2-Dichloropropane	0.28278	0.25216	0.25216	0.000	10.83037	20.00000	Averaged
	52 Bromodichloromethane	0.35957	0.31951	0.31951	0.000	11.14059	60.00000	Averaged
	53 Methyl methacrylate	0.11408	0.12017	0.12017	0.000	-5.34099	60.00000	Averaged
	56 cis-1,3-Dichloropropene	0.38382	0.37673	0.37673	0.000	1.84610	60.00000	Averaged
$	57 Toluene-d8	1.40352	1.31729	1.31729	0.000	6.14401	60.00000	Averaged
	58 Toluene	1.05484	0.98099	0.98099	0.000	7.00069	20.00000	Averaged
	62 4-Methyl-2-pentanone	0.17226	0.18592	0.18592	0.000	-7.92906	60.00000	Averaged
	60 Tetrachloroethene	0.29814	0.28012	0.28012	0.000	6.04371	60.00000	Averaged
	63 trans-1,3-Dichloropropene	0.49700	0.48943	0.48943	0.000	1.52186	60.00000	Averaged
M	107 Xylenes (total)	0.73137	0.69874	0.69874	0.000	4.46182	60.00000	Averaged

JMK 12-10-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FICV0869.D
Report Date: 11-Dec-2006 17:32

STL St. Louis

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSF.i
Lab File ID: FICV0869.D
Analysis Type: WATER
Lab Sample ID: ICV050
Method: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m

Injection Date: 07-DEC-2006 18:03
Init. Cal. Date(s): 07-DEC-2006 07-DEC-2006
Init. Cal. Times: 13:40 16:31
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	64 1,1,2-Trichloroethane	0.26023	0.24262	0.24262	0.000	6.76726	60.00000	Averaged
	65 Ethyl methacrylate	0.37335	0.41962	0.41962	0.000	-12.39297	60.00000	Averaged
	66 Chlorodibromomethane	0.33024	0.30369	0.30369	0.000	8.04002	60.00000	Averaged
	67 1,3-Dichloropropane	0.57657	0.51953	0.51953	0.000	9.89329	60.00000	Averaged
	68 1,2-Dibromoethane	0.25125	0.24274	0.24274	0.000	3.38602	60.00000	Averaged
	69 2-Hexanone	0.17765	0.17713	0.17713	0.000	0.29275	60.00000	Averaged
	71 Chlorobenzene	1.10489	0.99401	0.99401	0.300	10.03504	60.00000	Averaged
	72 Ethylbenzene	2.09686	1.88097	1.88097	0.000	10.29624	20.00000	Averaged
	73 1,1,1,2-Tetrachloroethane	0.38781	0.34501	0.34501	0.000	11.03587	60.00000	Averaged
	74 m,p-Xylenes	0.74558	0.70769	0.70769	0.000	5.08203	60.00000	Averaged
	75 o-Xylene	0.70296	0.68085	0.68085	0.000	3.14620	60.00000	Averaged
	76 Styrene	1.01866	1.03831	1.03831	0.000	-1.92918	60.00000	Averaged
	77 Bromoform	0.35073	0.35124	0.35124	0.100	-0.14515	60.00000	Averaged
	78 Isopropylbenzene	1.66576	1.67990	1.67990	0.000	-0.84900	60.00000	Averaged
	87 Cyclohexanone	0.01884	0.01749	0.01749	0.000	7.18206	100	Averaged
$	79 4-Bromofluorobenzene	1.04598	0.96155	0.96155	0.000	8.07241	60.00000	Averaged
	80 Bromobenzene	0.79835	0.76076	0.76076	0.000	4.70843	60.00000	Averaged
	81 n-Propylbenzene	4.81219	4.73087	4.73087	0.000	1.68983	60.00000	Averaged
	82 1,1,2,2-Tetrachloroethane	0.80833	0.73947	0.73947	0.300	8.51868	60.00000	Averaged
	83 2-Chlorotoluene	0.96841	0.92807	0.92807	0.000	4.16566	60.00000	Averaged
	85 1,2,3-Trichloropropane	0.76907	0.52447	0.52447	0.000	31.80551	60.00000	Averaged
	84 1,3,5-Trimethylbenzene	3.39222	3.42200	3.42200	0.000	-0.87810	60.00000	Averaged
	86 trans-1,4-dichloro-2-butene	50.00000	49.28910	0.20681	0.000	1.42181	60.00000	Linear
	88 4-Chlorotoluene	0.86866	0.80125	0.80125	0.000	7.76040	60.00000	Averaged
	89 t-Butylbenzene	3.29004	3.31122	3.31122	0.000	-0.64384	60.00000	Averaged
	91 1,2,4-Trimethylbenzene	3.50426	3.37497	3.37497	0.000	3.68960	60.00000	Averaged
	92 sec-Butylbenzene	4.46817	4.44771	4.44771	0.000	0.45795	60.00000	Averaged
	93 4-Isopropyltoluene	3.39559	3.48041	3.48041	0.000	-2.49776	60.00000	Averaged
	94 1,3-Dichlorobenzene	1.67275	1.55174	1.55174	0.000	7.23393	60.00000	Averaged
	96 1,4-Dichlorobenzene	1.83338	1.60501	1.60501	0.000	12.45634	60.00000	Averaged
	98 n-Butylbenzene	3.76869	3.68801	3.68801	0.000	2.14061	60.00000	Averaged
	99 1,2-Dichlorobenzene	1.62779	1.49222	1.49222	0.000	8.32811	60.00000	Averaged
	100 1,2-Dibromo-3-chloropropane	0.12668	0.13384	0.13384	0.000	-5.65526	60.00000	Averaged
	101 Hexachlorobutadiene	0.60173	0.57505	0.57505	0.000	4.43390	60.00000	Averaged
	104 1,2,4-Trichlorobenzene	1.16103	1.12129	1.12129	0.000	3.42365	60.00000	Averaged
	105 Naphthalene	2.63876	2.57583	2.57583	0.000	2.38506	60.00000	Averaged
	106 1,2,3-Trichlorobenzene	1.09427	1.02261	1.02261	0.000	6.54876	60.00000	Averaged

Data File: \\slsvr01\chem\MSF.i\F061207A.b/FICV0869.D Pa
Report Date: 12/11/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSF.i
Lab File ID: FICV0869.D
Analysis Type: WATER

Injection Date: 07-DEC-2006 18:03
Lab Sample ID: ICV050
Method File: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F

COMPOUND	%D
Dichlorodifluoromethane	28.4
Chloromethane	24.8
Vinyl Chloride	19.3
Bromomethane	34.1
Chloroethane	24.6
Trichlorofluoromethane	19.7
Diethyl ether	20.8
1,1-Dichloroethene	10.2
Carbon Disulfide	14.6
1,1,2-Trichlorofluoroethane	7.0
Allyl chloride	13.0
Methylene Chloride	10.1
Acetone	6.0
trans-1,2-Dichloroethene	8.2
n-Hexane	5.3
MTBE	6.2
1,1-Dichloroethane	12.6
1,2-Dichloroethene (total)	6.7
cis-1,2-Dichloroethene	5.1
2,2-Dichloropropane	11.4
Bromochloromethane	10.0
Chloroform	13.7
Carbon Tetrachloride	14.0
Tetrahydrofuran	6.8
Dibromofluoromethane	8.9
1,1,1-Trichloroethane	11.2
2-Butanone	6.8
1,1-Dichloropropene	6.2
Benzene	9.3
1,2-Dichloroethane-d4	14.9
1,2-Dichloroethane	14.1
Trichloroethene	9.6
Dibromomethane	10.6
1,2-Dichloropropane	10.8
Bromodichloromethane	11.1
Methyl methacrylate	5.3
cis-1,3-Dichloropropene	1.8
Toluene-d8	6.1
Toluene	7.0

DMK 12-11-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b/FICV0869.D
Report Date: 12/11/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSF.i
Lab File ID: FICV0869.D
Analysis Type: WATER

Injection Date: 07-DEC-2006 18:03
Lab Sample ID: ICV050
Method File: \\slsvr01\chem\MSF.i\F061207A.b\

COMPOUND	%D
Tetrachloroethene	6.0
4-Methyl-2-pentanone	7.9
trans-1,3-Dichloropropene	1.5
1,1,2-Trichloroethane	6.8
Ethyl methacrylate	12.4
Chlorodibromomethane	8.0
1,3-Dichloropropane	9.9
1,2-Dibromoethane	3.4
2-Hexanone	0.3
Chlorobenzene	10.0
Ethylbenzene	10.3
1,1,1,2-Tetrachloroethane	11.0
m,p-Xylenes	5.1
o-Xylene	3.1
Styrene	1.9
Bromoform	0.1
Isopropylbenzene	0.8
4-Bromofluorobenzene	8.1
Bromobenzene	4.7
n-Propylbenzene	1.7
1,1,2,2-Tetrachloroethane	8.5
2-Chlorotoluene	4.2
1,3,5-Trimethylbenzene	0.9
1,2,3-Trichloropropane	31.8
trans-1,4-dichloro-2-butene	1.4
Cyclohexanone	7.2
4-Chlorotoluene	7.8
t-Butylbenzene	0.6
1,2,4-Trimethylbenzene	3.7
sec-Butylbenzene	0.5
4-Isopropyltoluene	2.5
1,3-Dichlorobenzene	7.2
1,4-Dichlorobenzene	12.5
n-Butylbenzene	2.1
1,2-Dichlorobenzene	8.3
1,2-Dibromo-3-chloropropane	5.7
Hexachlorobutadiene	4.4
1,2,4-Trichlorobenzene	3.4
Naphthalene	2.4

Data File: \\slsvr01\chem\MSF.i\F061207A.b/FICV0869.D
Report Date: 12/11/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSF.i
Lab File ID: FICV0869.D
Analysis Type: WATER

Injection Date: 07-DEC-2006 18:03
Lab Sample ID: ICV050
Method File: \\slsvr01\chem\MSF.i\F061207A.b\

COMPOUND	%D
1,2,3-Trichlorobenzene	6.5
Xylenes (total)	4.4

The average of %D's in the continuing calibration is 8.8

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FICV0869.D
Report Date: 11-Dec-2006 17:32

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061207A.b\FICV0869.D
Lab Smp Id: ICV050 Client Smp ID: ICV050
Inj Date : 07-DEC-2006 18:03
Operator : JDH Inst ID: MSF.i
Smp Info : ICV050;F061207A.B
Misc Info : VBLKF341A.B;
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Meth Date : 11-Dec-2006 17:32 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 16:31 Cal File: FCAL0867.D
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICV.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.901	1.901	(0.255)	269147	50.0000	35.81
3 Chloromethane	50	2.087	2.087	(0.280)	340857	50.0000	37.58
4 Vinyl Chloride	62	2.173	2.173	(0.291)	465768	50.0000	40.33
5 Bromomethane	94	2.495	2.495	(0.335)	248001	50.0000	32.93
6 Chloroethane	64	2.630	2.630	(0.353)	272733	50.0000	37.72
7 Trichlorofluoromethane	101	2.759	2.759	(0.370)	565053	50.0000	40.14
8 Diethyl ether	74	3.067	3.067	(0.411)	395611	100.000	79.15
9 1,1-Dichloroethene	96	3.303	3.303	(0.443)	225731	50.0000	44.90
10 Carbon Disulfide	76	3.345	3.345	(0.449)	804816	50.0000	42.68
11 1,1,2-Trichlorofluoroethane	151	3.367	3.367	(0.452)	155635	50.0000	46.51
M 26 1,2-Dichloroethene (total)	96				490660	100.000	93.33
14 Allyl chloride	39	3.875	3.875	(0.520)	251074	50.0000	43.51
15 Methylene Chloride	84	4.003	4.003	(0.537)	276753	50.0000	44.94
16 Acetone	43	4.082	4.082	(0.547)	50722	50.0000	47.02
17 trans-1,2-Dichloroethene	96	4.225	4.225	(0.567)	238851	50.0000	45.88
20 MTBE	73	4.361	4.361	(0.585)	619267	50.0000	46.89
19 n-Hexane	86	4.325	4.325	(0.580)	71765	50.0000	47.33
23 1,1-Dichloroethane	63	5.090	5.090	(0.683)	461141	50.0000	43.69
27 cis-1,2-Dichloroethene	96	5.827	5.827	(0.781)	251809	50.0000	47.45
28 2,2-Dichloropropane	77	5.970	5.970	(0.801)	316942	50.0000	44.31
30 Bromochloromethane	128	6.084	6.084	(0.816)	98819	50.0000	45.02
31 Chloroform	83	6.184	6.184	(0.829)	415616	50.0000	43.14

JHV 12-11-06

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FICV0869.D
Report Date: 11-Dec-2006 17:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	32 Carbon Tetrachloride	117	6.363	6.363	(0.853)	299763	50.0000	43.00
	34 Tetrahydrofuran	71	6.391	6.391	(0.857)	114521	250.000	267.1(A)
$	35 Dibromofluoromethane	113	6.427	6.427	(0.862)	189183	50.0000	45.54
	36 1,1,1-Trichloroethane	97	6.456	6.456	(0.866)	364175	50.0000	44.41
	37 2-Butanone	43	6.599	6.599	(0.885)	76900	50.0000	46.60
	39 1,1-Dichloropropene	75	6.613	6.613	(0.887)	323162	50.0000	46.88
	40 Benzene	78	6.935	6.935	(0.930)	977413	50.0000	45.36
$	43 1,2-Dichloroethane-d4	65	7.106	7.106	(0.953)	233032	50.0000	42.55
	44 1,2-Dichloroethane	62	7.192	7.192	(0.965)	274283	50.0000	42.96
*	46 Fluorobenzene	96	7.457	7.457	(1.000)	931973	50.0000	
	48 Trichloroethene	95	7.664	7.664	(1.028)	228531	50.0000	45.21
	50 Dibromomethane	93	8.179	8.179	(1.097)	110787	50.0000	44.71
	51 1,2-Dichloropropane	63	8.308	8.308	(1.114)	235003	50.0000	44.58
	52 Bromodichloromethane	83	8.386	8.386	(1.125)	297773	50.0000	44.43
	53 Methyl methacrylate	69	8.594	8.594	(1.152)	111999	50.0000	52.67
	56 cis-1,3-Dichloropropene	75	9.151	9.151	(1.227)	351105	50.0000	49.08
$	57 Toluene-d8	98	9.373	9.373	(0.859)	755160	50.0000	46.93
	58 Toluene	92	9.423	9.423	(0.864)	562372	50.0000	46.50
	62 4-Methyl-2-pentanone	43	9.845	9.845	(1.320)	173269	50.0000	53.96
	60 Tetrachloroethene	164	9.838	9.838	(0.902)	160585	50.0000	46.98
	63 trans-1,3-Dichloropropene	75	9.881	9.881	(0.906)	280577	50.0000	49.24
M	107 Xylenes (total)	106				1201699	150.000	143.3
	64 1,1,2-Trichloroethane	83	10.038	10.038	(0.920)	139087	50.0000	46.62
	65 Ethyl methacrylate	69	10.045	10.045	(0.921)	240554	50.0000	56.20
	66 Chlorodibromomethane	129	10.210	10.210	(0.936)	174095	50.0000	45.98
	67 1,3-Dichloropropane	76	10.310	10.310	(0.945)	297830	50.0000	45.05
	68 1,2-Dibromoethane	107	10.445	10.445	(0.957)	139158	50.0000	48.31
	69 2-Hexanone	43	10.660	10.660	(0.977)	101540	50.0000	49.85
*	70 Chlorobenzene-d5	117	10.910	10.910	(1.000)	573269	50.0000	
	71 Chlorobenzene	112	10.932	10.932	(1.002)	569836	50.0000	44.98
	72 Ethylbenzene	91	10.946	10.946	(1.003)	1078300	50.0000	44.85
	73 1,1,1,2-Tetrachloroethane	131	10.982	10.982	(1.007)	197783	50.0000	44.48
	74 m,p-Xylenes	106	11.075	11.075	(1.015)	811391	100.000	94.92
	75 o-Xylene	106	11.447	11.447	(1.049)	390308	50.0000	48.43
	76 Styrene	104	11.489	11.489	(1.053)	595232	50.0000	50.96
	77 Bromoform	173	11.511	11.511	(0.900)	96411	50.0000	50.07
	78 Isopropylbenzene	105	11.704	11.704	(1.073)	963038	50.0000	50.42
	87 Cyclohexanone	55	12.240	12.240	(1.122)	100243	500.000	464.1
$	79 4-Bromofluorobenzene	95	11.933	11.933	(0.933)	263935	50.0000	45.96
	80 Bromobenzene	156	12.019	12.019	(0.940)	208822	50.0000	47.64
	81 n-Propylbenzene	91	12.033	12.033	(0.941)	1298583	50.0000	49.16
	82 1,1,2,2-Tetrachloroethane	83	12.090	12.090	(0.945)	202978	50.0000	45.74
	83 2-Chlorotoluene	91	12.162	12.162	(1.631)	864935	50.0000	47.92
	85 1,2,3-Trichloropropane	75	12.197	12.197	(0.954)	143961	50.0000	34.10
	84 1,3,5-Trimethylbenzene	105	12.183	12.183	(0.952)	939310	50.0000	50.44
	86 trans-1,4-dichloro-2-butene	53	12.226	12.226	(0.956)	56766	50.0000	49.29
	88 4-Chlorotoluene	91	12.290	12.290	(1.648)	746740	50.0000	46.12
	89 t-Butylbenzene	119	12.426	12.426	(0.971)	908900	50.0000	50.32
	91 1,2,4-Trimethylbenzene	105	12.476	12.476	(0.975)	926398	50.0000	48.16
	92 sec-Butylbenzene	105	12.562	12.562	(0.982)	1220857	50.0000	49.77
	93 4-Isopropyltoluene	119	12.662	12.662	(0.990)	955341	50.0000	51.25
	94 1,3-Dichlorobenzene	146	12.741	12.741	(0.996)	425939	50.0000	46.38
*	95 1,4 Dichlorobenzene-d4	152	12.791	12.791	(1.000)	274491	50.0000	
	96 1,4-Dichlorobenzene	146	12.805	12.805	(1.001)	440561	50.0000	43.77

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FICV0869.D
Report Date: 11-Dec-2006 17:32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
98 n-Butylbenzene	91	12.977	12.977	(1.015)	1012328	50.0000	48.93
99 1,2-Dichlorobenzene	146	13.112	13.112	(1.025)	409602	50.0000	45.84
100 1,2-Dibromo-3-chloropropane	157	13.685	13.685	(1.070)	36738	50.0000	52.83
101 Hexachlorobutadiene	225	14.121	14.121	(1.104)	157846	50.0000	47.78
104 1,2,4-Trichlorobenzene	180	14.156	14.156	(1.107)	307783	50.0000	48.29
105 Naphthalene	128	14.385	14.385	(1.125)	707041	50.0000	48.81
106 1,2,3-Trichlorobenzene	180	14.521	14.521	(1.135)	280697	50.0000	46.72

QC Flag Legend

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

Data File: \\slsvr01\chem\MSF.i\F061207A.b\FLCS0869.D
Report Date: 10-Dec-2006 18:14

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FLCS0869.D
Lab Smp Id: ICV050
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061207A.b\8260B-F5mL.m
Misc Info: VBLKF341A.B;

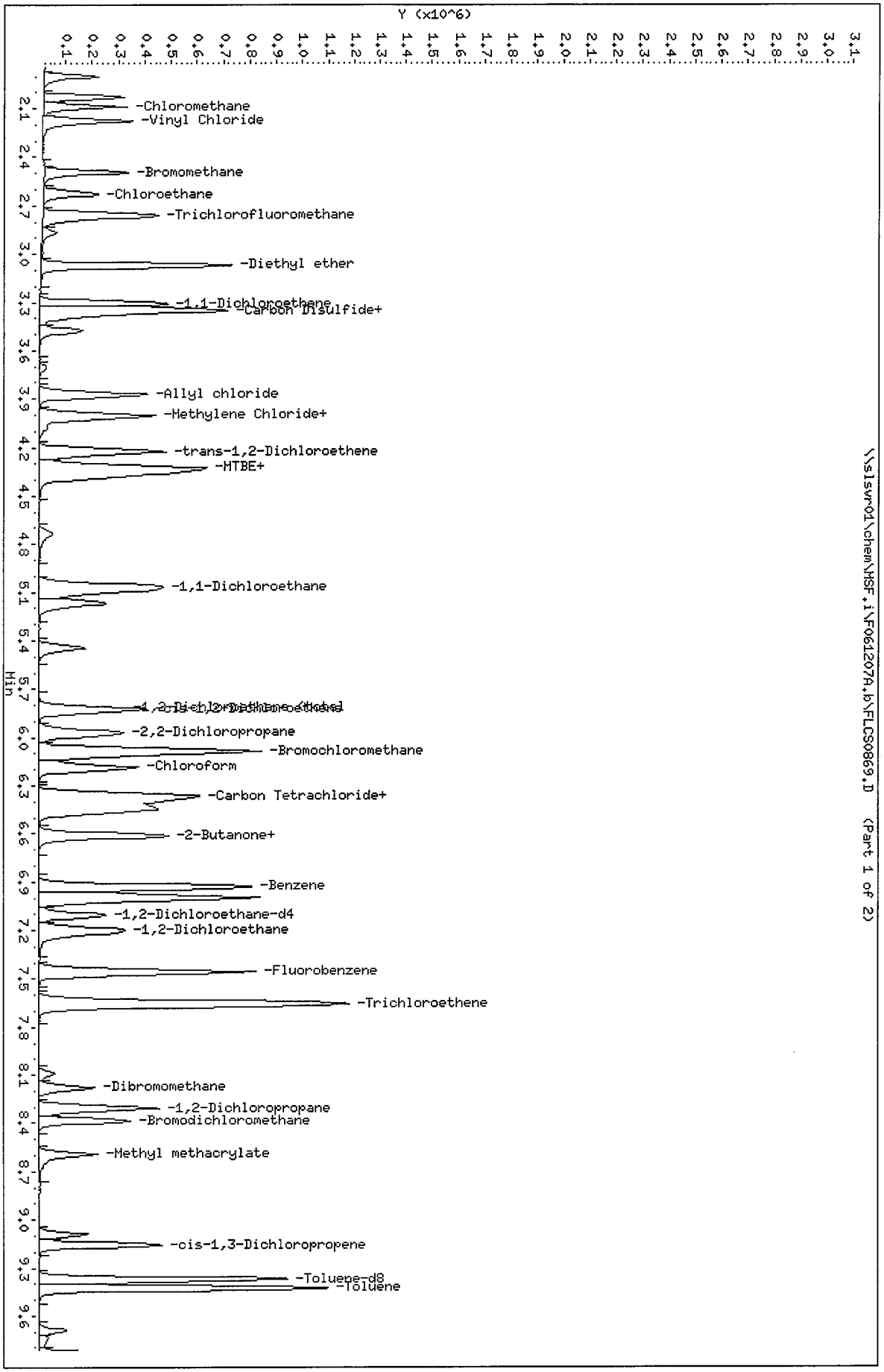
Calibration Date: 07-DEC-2006
Calibration Time: 15:42

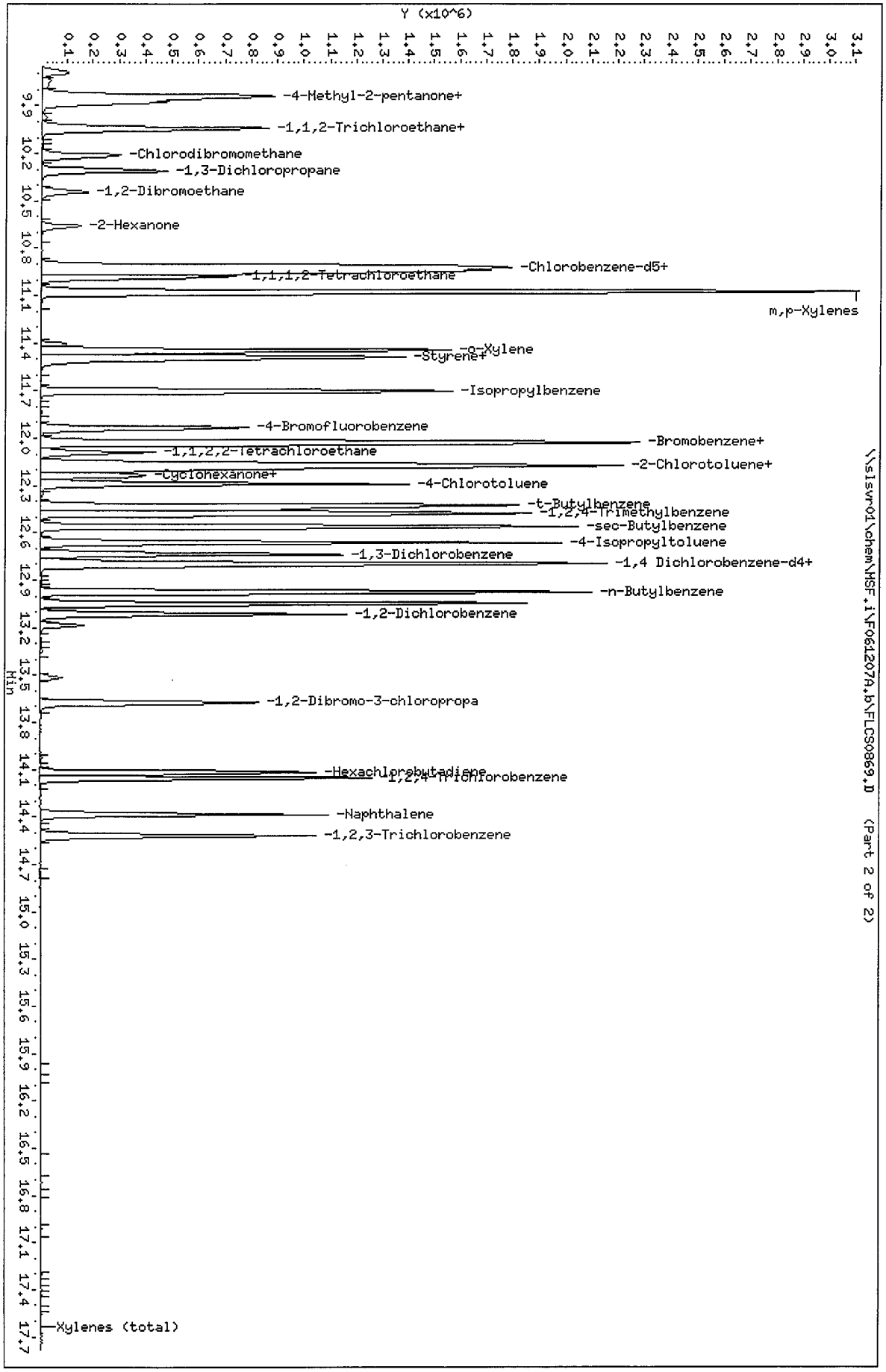
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	706088	353044	1412176	931973	31.99
70 Chlorobenzene-d5	427557	213779	855114	573269	34.08
95 1,4 Dichlorobenze	200765	100383	401530	274491	36.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	-0.10
70 Chlorobenzene-d5	10.92	10.42	11.42	10.91	-0.07
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.


Data File: \\slsvr01\chem\MSF.i\F061207A.b\FLCS0869.D
Date : 07-DEC-2006 18:03
Client ID:
Sample Info: ICV050;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF.i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF.i\F061207A.b\FLCS0869.D (Part 1 of 2)
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Diethyl ether
-1,1-Dichloroethene
-Carbon Disulfide+
-Allyl chloride
-Methylene Chloride+
-trans-1,2-Dichloroethene
-MTBE+
-1,1-Dichloroethane
-1,2-Dichloroethane (total)
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane
-Chloroform
-Carbon Tetrachloride+
-2-Butanone+
-Benzene
-1,2-Dichloroethane-d4
-1,2-Dichloroethane
-Fluorobenzene
-Trichloroethene
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl methacrylate
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene


Data File: \\slsvr01\chem\MSF.i\F061207A.b\FLCS0869.D
Date : 07-DEC-2006 18:03
Client ID:
Sample Info: ICV050;F061207A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF.i
Operator: JDH
Column diameter: 0.25
Y (x10^6)
Min
-4-Methyl-2-pentanone+
-1,1,2-Trichloroethane+
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane
m,p-Xylenes
-o-Xylene
-Styrene+
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-2-Chlorotoluene+
-Cyclohexanone+
-4-Chlorotoluene
-t-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
-1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Hexachlorobutadiene
1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
Xylenes (total)
\\slsvr01\chem\MSF.i\F061207A.b\FLCS0869.D (Part 2 of 2)

Data File: \\Slswr01\Chem\MSG.i\G061130B.b\GBFB4244.D

Date : 30-NOV-2006 14:16

Client ID: VBFB

Instrument: MSG.i

Sample Info: 50NG BFB;G061130B.b

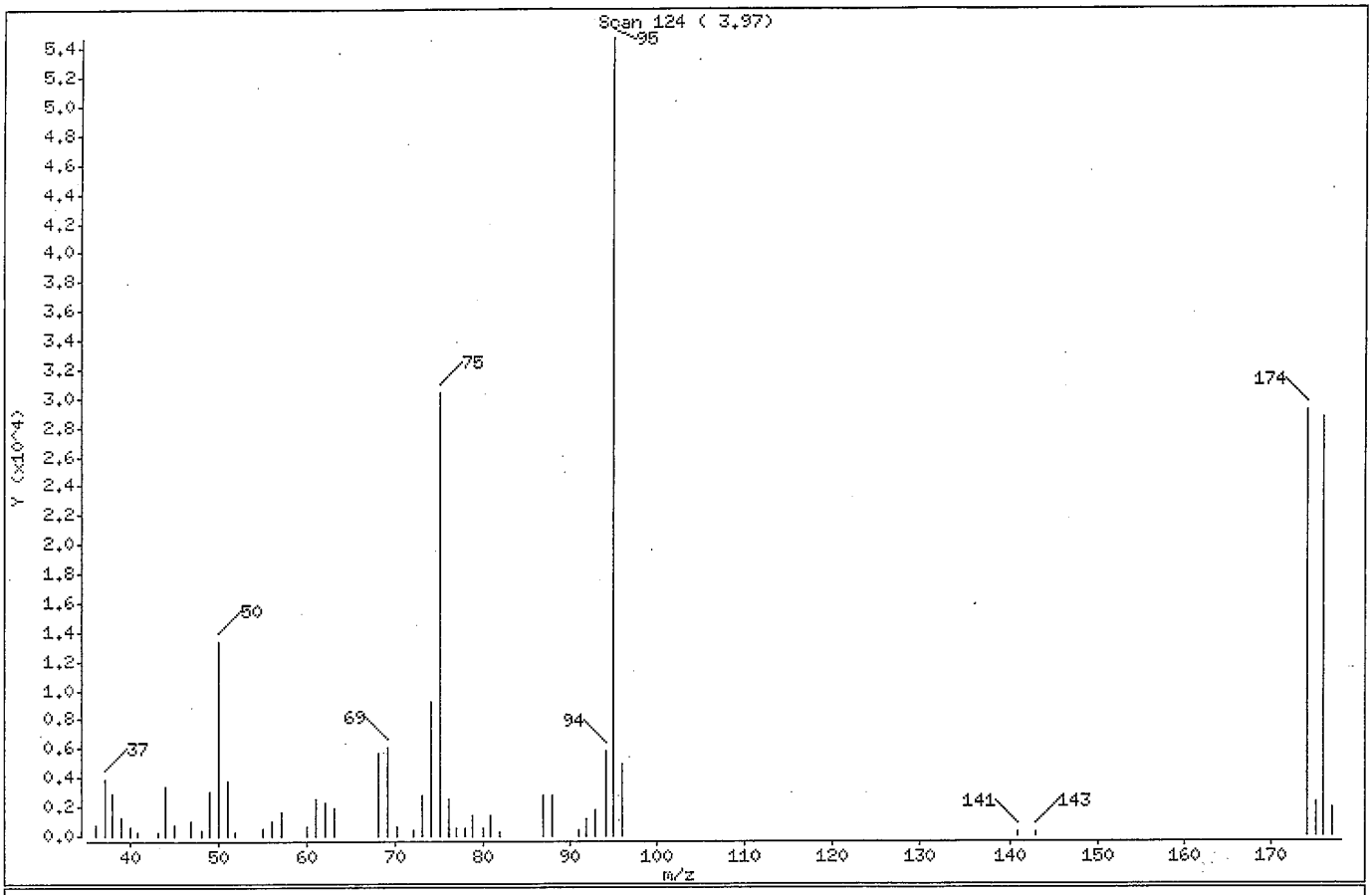
Volume Injected (uL): 2.0

Operator: TM

Column phase: RTX-502.2

Column diameter: 0.53

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	24.44
75	30.00 - 60.00% of mass 95	55.64
96	5.00 - 9.00% of mass 95	8.97
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	53.24
175	5.00 - 9.00% of mass 174	4.15 (7.79)
176	95.00 - 101.00% of mass 174	52.23 (98.10)
177	5.00 - 9.00% of mass 176	3.55 (6.79)

12-01-06

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GBFB4244.D

Date : 30-NOV-2006 14:16

Client ID: VBFB

Instrument: MSG.i

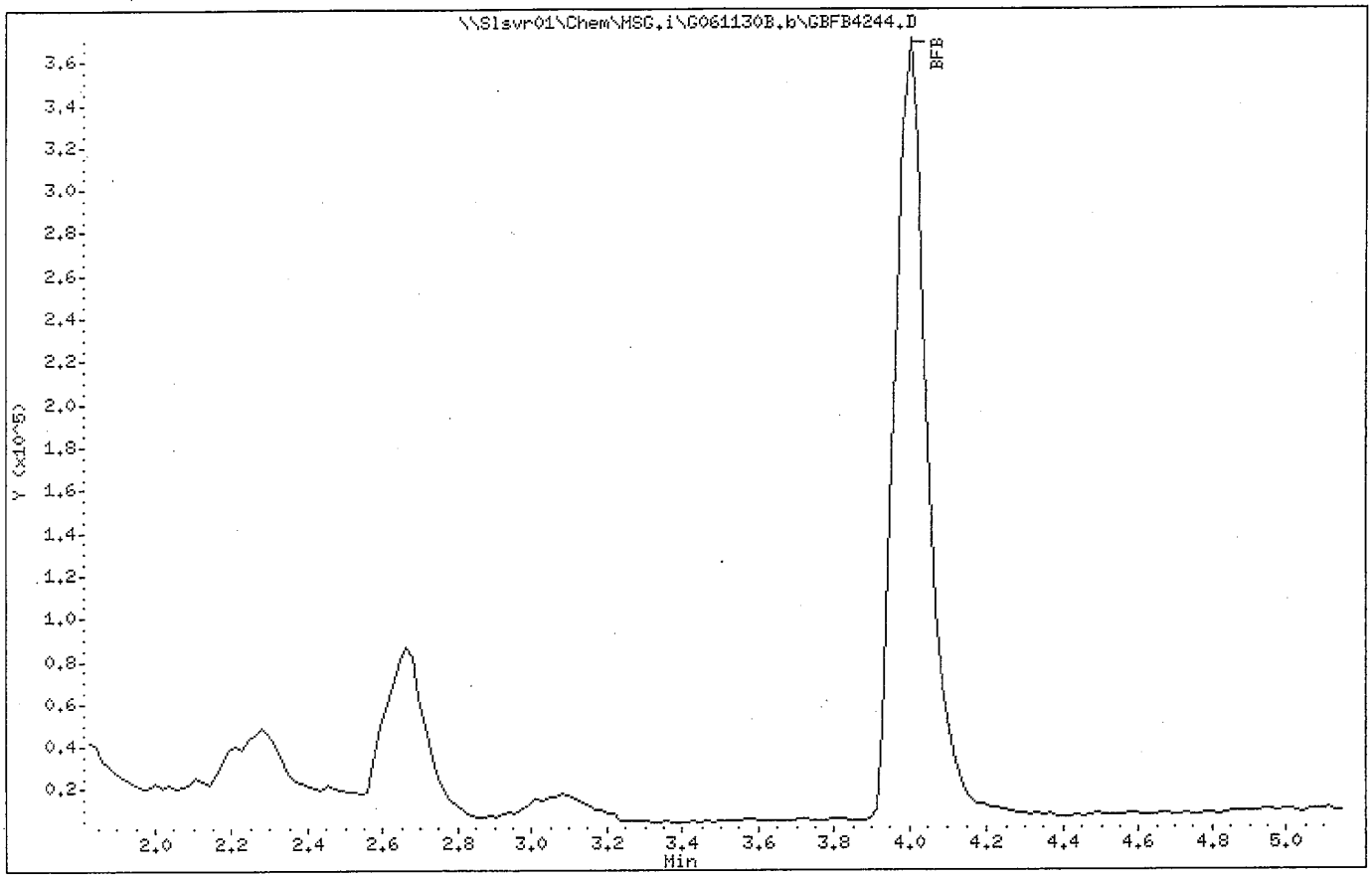
Sample Info: 50NG BFB;G061130B.b

Volume Injected (uL): 2.0

Operator: TM

Column phase: RTX-502.2

Column diameter: 0.53



Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GBFB4244.D

Date : 30-NOV-2006 14:16

Client ID: VBFB

Instrument: MSG.i

Sample Info: 50NG BFB;G061130B.b

Volume Injected (uL): 2.0

Operator: TM

Column phase: RTX-502.2

Column diameter: 0.53

Data File: GBFB4244.D
Spectrum: Scan 124 (3.97)
Location of Maximum: 95.00
Number of points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	710	51.05	3750	73.05	2800	92.00	1125
37.05	3912	51.95	259	74.05	9134	93.00	1761
38.05	2891	55.05	473	75.05	30416	94.10	5767
39.05	1250	56.05	998	76.15	2508	95.00	54664
39.95	575	57.15	1640	77.05	458	96.10	4903
40.95	292	60.05	604	78.00	559	141.00	305
43.05	276	61.05	2556	78.90	1331	143.00	259
44.05	3360	62.05	2303	80.00	458	174.05	29104
45.05	797	63.05	1860	80.90	1420	175.05	2267
46.95	985	68.05	5687	82.00	309	176.05	28552
48.15	432	69.05	6006	87.00	2769	177.05	1938
49.05	3059	70.05	647	88.00	2803		
50.05	13360	72.05	335	91.00	355		

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GCAL4245.D
Report Date: 01-Dec-2006 11:38

STL St. Louis

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSG.i
Lab File ID: GCAL4245.D
Analysis Type: WATER
Lab Sample ID: VSTD050
Method: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m

Injection Date: 30-NOV-2006 14:36
Init. Cal. Date(s): 27-NOV-2006 27-NOV-2006
Init. Cal. Times: 19:32 23:10
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	1 Dichlorodifluoromethane	0.31891	0.27862	0.27862	0.000	12.63442	60.00000	Averaged
	2 Freon-114	0.13133	0.09792	0.09792	0.000	25.43880	60.00000	Averaged
	3 Chloromethane	0.28028	0.22911	0.22911	0.100	18.25781	60.00000	Averaged
	4 Vinyl Chloride	0.21532	0.17627	0.17627	0.000	18.13781	20.00000	Averaged
	5 Bromomethane	0.26164	0.25756	0.25756	0.000	1.55969	60.00000	Averaged
	6 Chloroethane	0.15683	0.15764	0.15764	0.000	-0.51466	60.00000	Averaged
	7 Trichlorofluoromethane	0.45005	0.48102	0.48102	0.000	-6.88246	60.00000	Averaged
	8 Diethyl ether	0.12137	0.12302	0.12302	0.000	-1.36008	60.00000	Averaged
	9 1,1,2-Trichlorofluoroethane	0.47834	0.49594	0.49594	0.000	-3.67900	60.00000	Averaged
	11 Acetone	50.00000	50.96132	0.04184	0.000	-1.92264	60.00000	Linear
	12 1,1-Dichloroethene	0.23436	0.24528	0.24528	0.000	-4.65973	20.00000	Averaged
	13 Acetonitrile	0.01093	0.00859	0.00859	0.000	21.40430	60.00000	Averaged
	14 Iodomethane	0.26773	0.29943	0.29943	0.000	-11.83806	60.00000	Averaged
	15 Methyl acetate	0.03053	0.03273	0.03273	0.000	-7.21228	60.00000	Averaged
	16 Allyl chloride	0.19797	0.19820	0.19820	0.000	-0.11671	60.00000	Averaged
	17 Methylene Chloride	50.00000	53.84013	0.37029	0.000	-7.68026	60.00000	Linear
	18 Carbon Disulfide	0.74285	0.70058	0.70058	0.000	5.69015	60.00000	Averaged
	19 Acrylonitrile	0.03131	0.02868	0.02868	0.000	8.39001	60.00000	Averaged
	20 MTBE	0.51577	0.55970	0.55970	0.000	-8.51749	60.00000	Averaged
	21 trans-1,2-Dichloroethene	0.25873	0.28673	0.28673	0.000	-10.82355	60.00000	Averaged
	22 n-Hexane	0.36623	0.33536	0.33536	0.000	8.43101	60.00000	Averaged
	24 Vinyl acetate	0.40716	0.40323	0.40323	0.000	0.96546	60.00000	Averaged
	23 1,1-Dichloroethane	0.51940	0.54492	0.54492	0.100	-4.91493	60.00000	Averaged
	25 2-Chloro-1,3-butadiene	0.36474	0.38207	0.38207	0.000	-4.75039	60.00000	Averaged
	27 2-Butanone	0.07181	0.06582	0.06582	0.000	8.34612	60.00000	Averaged
	28 Propionitrile	250	228	0.01421	0.000	8.86953	60.00000	Linear
	29 2,2-Dichloropropane	0.43844	0.49017	0.49017	0.000	-11.79879	60.00000	Averaged
	31 Ethyl acetate	0.20524	0.19628	0.19628	0.000	4.36487	60.00000	Averaged
	30 cis-1,2-Dichloroethene	0.28535	0.31890	0.31890	0.000	-11.75613	60.00000	Averaged
	32 Methacrylonitrile	0.11419	0.11761	0.11761	0.000	-2.98705	60.00000	Averaged
	33 Chloroform	0.54319	0.59619	0.59619	0.000	-9.75703	20.00000	Averaged
M	38 1,2-Dichloroethene (total)	0.27204	0.30282	0.30282	0.000	-11.31266	120	Averaged
	34 Bromochloromethane	0.17294	0.18781	0.18781	0.000	-8.59881	60.00000	Averaged
	37 Tetrahydrofuran	0.01843	0.01863	0.01863	0.000	-1.05552	60.00000	Averaged
$	36 Dibromofluoromethane	0.43004	0.46462	0.46462	0.000	-8.04148	60.00000	Averaged
	39 1,1,1-Trichloroethane	0.44119	0.49688	0.49688	0.000	-12.62299	60.00000	Averaged
	35 Isobutanol	0.00497	0.00468	0.00468	0.000	5.81869	100	Averaged
	40 Cyclohexane	0.31038	0.32834	0.32834	0.000	-5.78759	60.00000	Averaged
	41 1,1-Dichloropropene	0.45789	0.49828	0.49828	0.000	-8.82134	60.00000	Averaged
	42 Carbon Tetrachloride	0.36814	0.40241	0.40241	0.000	-9.31033	60.00000	Averaged
	45 n-Butanol	500	493	0.00584	0.000	1.37509	100	Linear
$	43 1,2-Dichloroethane-d4	0.14153	0.14033	0.14033	0.000	0.84655	60.00000	Averaged
	46 1,2-Dichloroethane	0.30661	0.32496	0.32496	0.000	-5.98464	60.00000	Averaged

12-01-06

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GCAL4245.D
Report Date: 01-Dec-2006 11:38

STL St. Louis

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSG.i
Lab File ID: GCAL4245.D
Analysis Type: WATER
Lab Sample ID: VSTD050
Method: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m

Injection Date: 30-NOV-2006 14:36
Init. Cal. Date(s): 27-NOV-2006 27-NOV-2006
Init. Cal. Times: 19:32 23:10
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	47 Benzene	0.83242	0.85359	0.85359	0.000	-2.54278	60.00000	Averaged
	49 Trichloroethene	0.34535	0.39551	0.39551	0.000	-14.52321	60.00000	Averaged
	50 Methylcyclohexane	0.41889	0.41641	0.41641	0.000	0.59273	60.00000	Averaged
	51 1,2-Dichloropropane	0.35729	0.35742	0.35742	0.000	-0.03808	20.00000	Averaged
	52 Methyl methacrylate	0.17088	0.17128	0.17128	0.000	-0.23518	60.00000	Averaged
	53 Bromodichloromethane	0.57173	0.61919	0.61919	0.000	-8.30056	60.00000	Averaged
	55 1,4-Dioxane	0.00276	0.00269	0.00269	0.000	2.36630	100	Averaged
	54 Dibromomethane	0.30397	0.32079	0.32079	0.000	-5.53154	60.00000	Averaged
	56 2-Nitropropane	50.00000	44.57501	0.11870	0.000	10.84997	60.00000	Linear
	57 2-chloroethyl vinyl ether	0.15811	0.16236	0.16236	0.000	-2.69288	100	Averaged
	58 4-Methyl-2-pentanone	0.36923	0.37434	0.37434	0.000	-1.38439	60.00000	Averaged
	59 cis-1,3-Dichloropropene	0.49670	0.53930	0.53930	0.000	-8.57710	60.00000	Averaged
$	61 Toluene-d8	1.21528	1.28993	1.28993	0.000	-6.14290	60.00000	Averaged
	62 Toluene	1.39097	1.43991	1.43991	0.000	-3.51783	20.00000	Averaged
	63 trans-1,3-Dichloropropene	0.49837	0.55285	0.55285	0.000	-10.93164	60.00000	Averaged
	64 Ethyl methacrylate	0.50162	0.54346	0.54346	0.000	-8.34031	60.00000	Averaged
	65 1,1,2-Trichloroethane	0.37767	0.41516	0.41516	0.000	-9.92747	60.00000	Averaged
	66 2-Hexanone	50.00000	48.58856	0.23923	0.000	2.82288	60.00000	Linear
	67 1,3-Dichloropropane	0.63010	0.67310	0.67310	0.000	-6.82453	60.00000	Averaged
	68 Tetrachloroethene	0.46689	0.53210	0.53210	0.000	-13.96664	60.00000	Averaged
	69 Chlorodibromomethane	0.52885	0.59180	0.59180	0.000	-11.90288	60.00000	Averaged
	70 1,2-Dibromoethane	0.54621	0.59257	0.59257	0.000	-8.48748	60.00000	Averaged
	72 Chlorobenzene	1.01141	1.09828	1.09828	0.300	-8.58815	60.00000	Averaged
	73 1,1,1,2-Tetrachloroethane	0.41214	0.47144	0.47144	0.000	-14.38941	60.00000	Averaged
	74 Ethylbenzene	0.45565	0.49545	0.49545	0.000	-8.73443	20.00000	Averaged
	75 m,p-Xylenes	0.60967	0.67571	0.67571	0.000	-10.83243	60.00000	Averaged
	76 o-Xylene	0.57356	0.62741	0.62741	0.000	-9.38858	60.00000	Averaged
	77 Styrene	0.94319	1.05684	1.05684	0.000	-12.04967	60.00000	Averaged
M	78 Xylenes (total)	0.59763	0.65961	0.65961	0.000	-10.37053	180	Averaged
	79 Bromoform	50.00000	50.82890	0.40430	0.100	-1.65781	60.00000	Linear
	80 Isopropylbenzene	1.46307	1.60533	1.60533	0.000	-9.72346	60.00000	Averaged
	81 Cyclohexanone	0.01769	0.02009	0.02009	0.000	-13.59786	100	Averaged
	82 1,1,2,2-Tetrachloroethane	0.63142	0.67836	0.67836	0.300	-7.43360	60.00000	Averaged
$	83 4-Bromofluorobenzene	1.64106	1.57827	1.57827	0.000	3.82608	60.00000	Averaged
	84 1,2,3-Trichloropropane	0.27977	0.29581	0.29581	0.000	-5.73193	60.00000	Averaged
	85 Bromobenzene	0.87360	0.88551	0.88551	0.000	-1.36333	60.00000	Averaged
	86 n-Propylbenzene	4.18085	4.23837	4.23837	0.000	-1.37580	60.00000	Averaged
	88 trans-1,4-dichloro-2-butene	0.21015	0.21484	0.21484	0.000	-2.23082	60.00000	Averaged
	87 2-Chlorotoluene	2.55822	2.60743	2.60743	0.000	-1.92379	60.00000	Averaged
	89 1,3,5-Trimethylbenzene	2.38584	2.35935	2.35935	0.000	1.11025	60.00000	Averaged
	90 4-Chlorotoluene	3.30207	3.29015	3.29015	0.000	0.36105	60.00000	Averaged
	91 t-Butylbenzene	2.78936	2.86796	2.86796	0.000	-2.81807	60.00000	Averaged

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GCAL4245.D
Report Date: 01-Dec-2006 11:38

STL St. Louis

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSG.i
Lab File ID: GCAL4245.D
Analysis Type: WATER
Lab Sample ID: VSTD050
Method: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m

Injection Date: 30-NOV-2006 14:36
Init. Cal. Date(s): 27-NOV-2006 27-NOV-2006
Init. Cal. Times: 19:32 23:10
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
92 Pentachloroethane	50.00000	52.86403	0.36398	0.000	-5.72807	60.00000	Linear
93 1,2,4-Trimethylbenzene	2.20823	2.13333	2.13333	0.000	3.39183	60.00000	Averaged
94 sec-Butylbenzene	3.83395	3.95627	3.95627	0.000	-3.19027	60.00000	Averaged
95 4-Isopropyltoluene	2.54186	2.55508	2.55508	0.000	-0.51998	60.00000	Averaged
96 1,3-Dichlorobenzene	1.52490	1.60492	1.60492	0.000	-5.24737	60.00000	Averaged
98 1,4-Dichlorobenzene	1.72551	1.77035	1.77035	0.000	-2.59850	60.00000	Averaged
99 n-Butylbenzene	2.66355	2.74268	2.74268	0.000	-2.97061	60.00000	Averaged
100 1,2-Dichlorobenzene	1.50305	1.53330	1.53330	0.000	-2.01292	60.00000	Averaged
147 Nonanal	50.00000	45.67009	0.27331	0.000	8.65982	60.00000	Linear
101 1,2-Dibromo-3-chloropropane	0.23230	0.25339	0.25339	0.000	-9.07951	60.00000	Averaged
103 1,2,4-Trichlorobenzene	0.70046	0.74009	0.74009	0.000	-5.65712	60.00000	Averaged
104 Hexachlorobutadiene	0.47013	0.48943	0.48943	0.000	-4.10595	60.00000	Averaged
105 Naphthalene	1.24404	1.28295	1.28295	0.000	-3.12793	60.00000	Averaged
106 1,2,3-Trichlorobenzene	0.63503	0.66137	0.66137	0.000	-4.14725	60.00000	Averaged

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b/GCAL4245.D Pa
Report Date: 12/01/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSG.i
Lab File ID: GCAL4245.D
Analysis Type: WATER

Injection Date: 30-NOV-2006 14:36
Lab Sample ID: VSTD050
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-U

COMPOUND	%D
Dichlorodifluoromethane	12.6
Freon-114	25.4
Chloromethane	18.3
Vinyl Chloride	18.1
Bromomethane	1.6
Chloroethane	0.5
Trichlorofluoromethane	6.9
Diethyl ether	1.4
1,1,2-Trichlorofluoroethane	3.7
Acetone	1.9
1,1-Dichloroethene	4.7
Acetonitrile	21.4
Iodomethane	11.8
Methyl acetate	7.2
Allyl chloride	0.1
Methylene Chloride	7.7
Carbon Disulfide	5.7
Acrylonitrile	8.4
MTBE	8.5
trans-1,2-Dichloroethene	10.8
n-Hexane	8.4
1,1-Dichloroethane	4.9
Vinyl acetate	1.0
2-Chloro-1,3-butadiene	4.8
2-Butanone	8.3
Propionitrile	8.9
2,2-Dichloropropane	11.8
Ethyl acetate	4.4
cis-1,2-Dichloroethene	11.8
1,2-Dichloroethene (total)	11.3
Methacrylonitrile	3.0
Chloroform	9.8
Bromochloromethane	8.6
Dibromofluoromethane	8.0
Tetrahydrofuran	1.1
1,1,1-Trichloroethane	12.6
Isobutanol	5.8
Cyclohexane	5.8
1,1-Dichloropropene	8.8

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b/GCAL4245.D
Report Date: 12/01/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSG.i
Lab File ID: GCAL4245.D
Analysis Type: WATER

Injection Date: 30-NOV-2006 14:36
Lab Sample ID: VSTD050
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\

COMPOUND	%D
Carbon Tetrachloride	9.3
n-Butanol	1.4
1,2-Dichloroethane-d4	0.8
1,2-Dichloroethane	6.0
Benzene	2.5
Trichloroethene	14.5
Methylcyclohexane	0.6
1,2-Dichloropropane	0.0
Methyl methacrylate	0.2
Bromodichloromethane	8.3
1,4-Dioxane	2.4
Dibromomethane	5.5
2-Nitropropane	10.8
2-chloroethyl vinyl ether	2.7
4-Methyl-2-pentanone	1.4
cis-1,3-Dichloropropene	8.6
Toluene-d8	6.1
Toluene	3.5
trans-1,3-Dichloropropene	10.9
Ethyl methacrylate	8.3
1,1,2-Trichloroethane	9.9
2-Hexanone	2.8
1,3-Dichloropropane	6.8
Tetrachloroethene	14.0
Chlorodibromomethane	11.9
1,2-Dibromoethane	8.5
Chlorobenzene	8.6
1,1,1,2-Tetrachloroethane	14.4
Ethylbenzene	8.7
m,p-Xylenes	10.8
o-Xylene	9.4
Xylenes (total)	10.4
Styrene	12.0
Bromoform	1.7
Isopropylbenzene	9.7
Cyclohexanone	13.6
1,1,2,2-Tetrachloroethane	7.4
4-Bromofluorobenzene	3.8
1,2,3-Trichloropropane	5.7

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b/GCAL4245.D
Report Date: 12/01/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSG.i
Lab File ID: GCAL4245.D
Analysis Type: WATER

Injection Date: 30-NOV-2006 14:36
Lab Sample ID: VSTD050
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\

COMPOUND	%D
Bromobenzene	1.4
n-Propylbenzene	1.4
trans-1,4-dichloro-2-butene	2.2
2-Chlorotoluene	1.9
1,3,5-Trimethylbenzene	1.1
4-Chlorotoluene	0.4
t-Butylbenzene	2.8
Pentachloroethane	5.7
1,2,4-Trimethylbenzene	3.4
sec-Butylbenzene	3.2
4-Isopropyltoluene	0.5
1,3-Dichlorobenzene	5.2
1,4-Dichlorobenzene	2.6
n-Butylbenzene	3.0
1,2-Dichlorobenzene	2.0
Nonanal	8.7
1,2-Dibromo-3-chloropropane	9.1
1,2,4-Trichlorobenzene	5.7
Hexachlorobutadiene	4.1
Naphthalene	3.1
1,2,3-Trichlorobenzene	4.1

The average of %D's in the continuing calibration is 6.7

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GCAL4245.D
Report Date: 01-Dec-2006 11:38

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GCAL4245.D
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: TM
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B;

Calibration Date: 27-NOV-2006
Calibration Time: 21:57

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3088621	1544311	6177242	3061626	-0.87
71 Chlorobenzene-d5	2420626	1210313	4841252	2276877	-5.94
97 1,4 Dichlorobenze	1211198	605599	2422396	1255220	3.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.07	9.57	10.57	10.05	-0.17
71 Chlorobenzene-d5	18.34	17.84	18.84	18.36	0.09
97 1,4 Dichlorobenze	24.81	24.31	25.31	24.79	-0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GCAL4245.D
Report Date: 01-Dec-2006 11:38

STL St. Louis

GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061130B.b\GCAL4245.D
Lab Smp Id: VSTD050
Inj Date : 30-NOV-2006 14:36
Operator : TM Inst ID: MSG.i
Smp Info : VSTD050;G061130B.b
Misc Info : VBLKG334B.B;
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Meth Date : 30-Nov-2006 15:12 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 23:10 Cal File: GCAL4175.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CCAL.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.486	2.486	(0.247)	853030	50.0000	43.68(M)
2 Freon-114	135	2.625	2.625	(0.261)	299807	50.0000	37.28
3 Chloromethane	50	2.799	2.799	(0.279)	701435	50.0000	40.87
4 Vinyl Chloride	62	2.903	2.903	(0.289)	539672	50.0000	40.93
5 Bromomethane	94	3.459	3.459	(0.344)	788548	50.0000	49.22
6 Chloroethane	64	3.546	3.546	(0.353)	482623	50.0000	50.26
7 Trichlorofluoromethane	101	3.859	3.859	(0.384)	1472712	50.0000	53.44
8 Diethyl ether	59	4.259	4.259	(0.424)	753263	100.000	101.4
9 1,1,2-Trichlorofluoroethane	101	4.433	4.433	(0.441)	1518373	50.0000	51.84
11 Acetone	43	4.520	4.520	(0.450)	128109	50.0000	50.96
12 1,1-Dichloroethene	96	4.694	4.694	(0.467)	750951	50.0000	52.33
13 Acetonitrile	41	4.920	4.920	(0.490)	131556	250.000	196.5
14 Iodomethane	142	5.129	5.129	(0.510)	916730	50.0000	55.92
15 Methyl acetate	74	5.163	5.163	(0.514)	100206	50.0000	53.61
16 Allyl chloride	39	5.215	5.215	(0.519)	606819	50.0000	50.06
17 Methylene Chloride	84	5.389	5.389	(0.536)	1133700	50.0000	53.84
18 Carbon Disulfide	76	5.424	5.424	(0.540)	2144908	50.0000	47.15
19 Acrylonitrile	53	5.581	5.581	(0.555)	439094	250.000	229.0
20 MTBE	73	5.633	5.633	(0.561)	1713595	50.0000	54.26
21 trans-1,2-Dichloroethene	96	5.841	5.841	(0.581)	877872	50.0000	55.41
22 n-Hexane	57	5.946	5.946	(0.592)	1026732	50.0000	45.78
24 Vinyl acetate	43	6.537	6.537	(0.651)	1234544	50.0000	49.52

12-01-06

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GCAL4245.D
Report Date: 01-Dec-2006 11:38

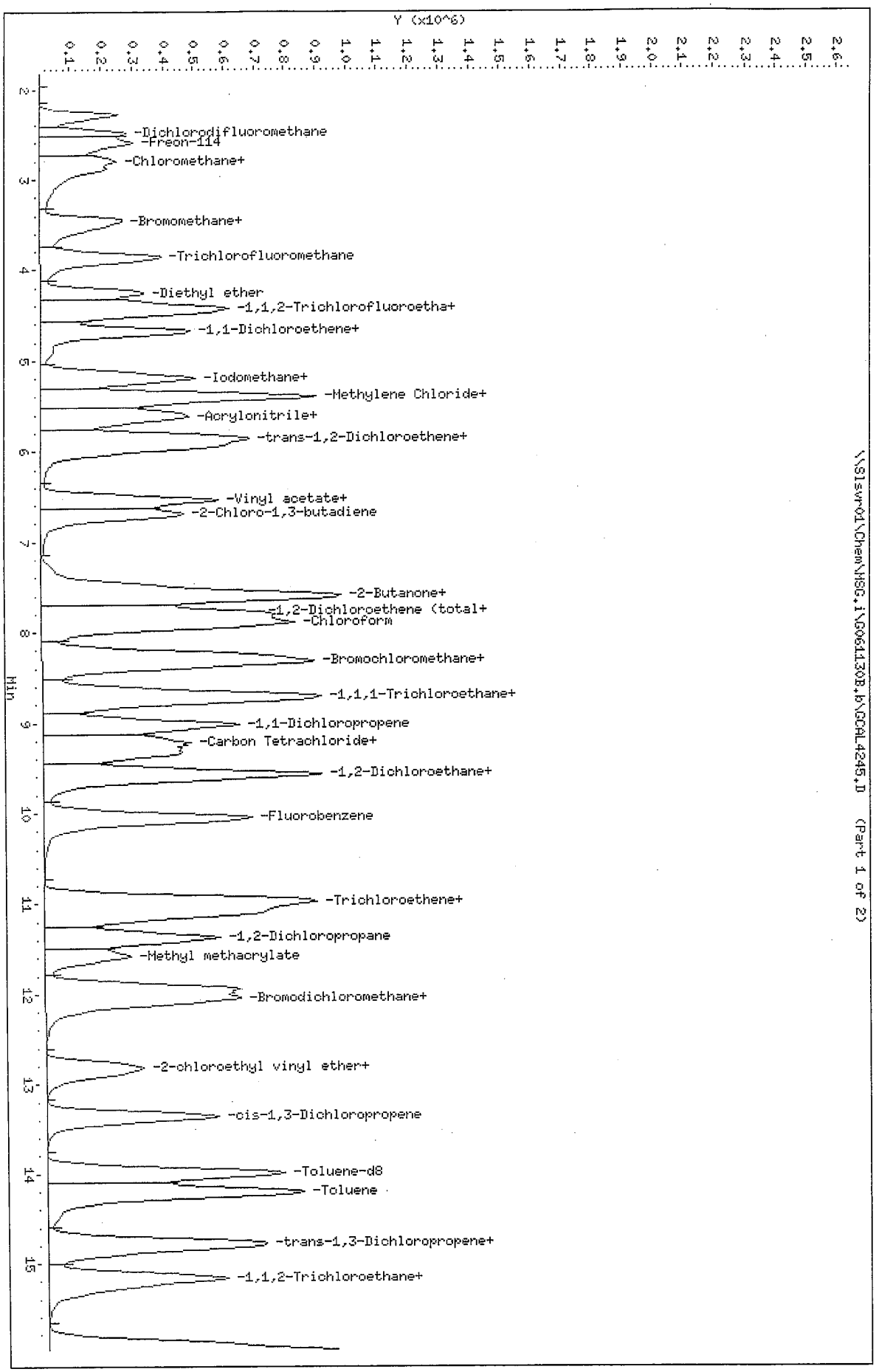
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 1,1-Dichloroethane	63	6.537	6.537	(0.651)	1668353	50.0000	52.46
	25 2-Chloro-1,3-butadiene	53	6.693	6.693	(0.666)	1169760	50.0000	52.38
	27 2-Butanone	43	7.302	7.302	(0.727)	201503	50.0000	45.83
	28 Propionitrile	54	7.424	7.424	(0.739)	217452	250.000	227.8
	29 2,2-Dichloropropane	77	7.528	7.528	(0.749)	1500718	50.0000	55.90
	31 Ethyl acetate	43	7.615	7.615	(0.758)	1201860	100.000	95.64
	30 cis-1,2-Dichloroethene	96	7.632	7.632	(0.760)	976349	50.0000	55.88
	32 Methacrylonitrile	41	7.789	7.789	(0.775)	1800315	250.000	257.5
	33 Chloroform	83	7.911	7.911	(0.787)	1825306	50.0000	54.88
M	38 1,2-Dichloroethene (total)	96				1854221	100.000	111.3
	34 Bromochloromethane	128	8.241	8.241	(0.820)	575009	50.0000	54.30
	37 Tetrahydrofuran	71	8.328	8.328	(0.829)	285133	250.000	252.6
$	36 Dibromofluoromethane	113	8.328	8.328	(0.829)	1422504	50.0000	54.02
	39 1,1,1-Trichloroethane	97	8.693	8.693	(0.865)	1521258	50.0000	56.31
	35 Isobutanol	42	8.728	8.728	(0.869)	286769	1000.00	941.8
	40 Cyclohexane	84	8.745	8.745	(0.870)	1005257	50.0000	52.89
	41 1,1-Dichloropropene	75	9.023	9.023	(0.898)	1525538	50.0000	54.41
	42 Carbon Tetrachloride	117	9.232	9.232	(0.919)	1232033	50.0000	54.66
	45 n-Butanol	56	9.319	9.319	(0.927)	178887	500.000	493.1
$	43 1,2-Dichloroethane-d4	67	9.354	9.354	(0.931)	429635	50.0000	49.58
	46 1,2-Dichloroethane	62	9.545	9.545	(0.950)	994919	50.0000	52.99
	47 Benzene	78	9.580	9.580	(0.953)	2613377	50.0000	51.27
*	48 Fluorobenzene	96	10.049	10.049	(1.000)	3061626	50.0000	
	49 Trichloroethene	130	10.953	10.953	(1.090)	1210897	50.0000	57.26
	50 Methylcyclohexane	55	11.092	11.092	(1.104)	1274890	50.0000	49.70
	51 1,2-Dichloropropane	63	11.371	11.371	(1.131)	1094295	50.0000	50.02
	52 Methyl methacrylate	69	11.579	11.579	(1.152)	524409	50.0000	50.12
	53 Bromodichloromethane	83	11.927	11.927	(1.187)	1895715	50.0000	54.15
	55 1,4-Dioxane	88	12.031	12.031	(1.197)	164902	1000.00	976.3
	54 Dibromomethane	93	12.049	12.049	(1.199)	982130	50.0000	52.76
	56 2-Nitropropane	43	12.136	12.136	(1.208)	363410	50.0000	44.58
	57 2-chloroethyl vinyl ether	63	12.796	12.796	(1.273)	497099	50.0000	51.35
	58 4-Methyl-2-pentanone	43	12.831	12.831	(1.277)	1146104	50.0000	50.69
	59 cis-1,3-Dichloropropene	75	13.353	13.353	(1.329)	1651148	50.0000	54.29
$	61 Toluene-d8	98	13.996	13.996	(0.762)	2937021	50.0000	53.07
	62 Toluene	91	14.205	14.205	(0.774)	3278488	50.0000	51.76
	63 trans-1,3-Dichloropropene	75	14.744	14.744	(0.803)	1258781	50.0000	55.46
	64 Ethyl methacrylate	69	14.813	14.813	(0.807)	1237385	50.0000	54.17
	65 1,1,2-Trichloroethane	97	15.161	15.161	(0.826)	945274	50.0000	54.96
	66 2-Hexanone	43	15.283	15.283	(0.832)	544704	50.0000	48.59
	67 1,3-Dichloropropane	76	15.909	15.909	(0.866)	1532574	50.0000	53.41
	68 Tetrachloroethene	164	16.013	16.013	(0.872)	1211518	50.0000	56.98
	69 Chlorodibromomethane	129	16.587	16.587	(0.903)	1347458	50.0000	55.95
	70 1,2-Dibromoethane	107	17.161	17.161	(0.935)	1349215	50.0000	54.24
*	71 Chlorobenzene-d5	117	18.360	18.360	(1.000)	2276877	50.0000	
	72 Chlorobenzene	112	18.465	18.465	(1.006)	2500639	50.0000	54.29(A)
	73 1,1,1,2-Tetrachloroethane	131	18.621	18.621	(1.014)	1073412	50.0000	57.19
	74 Ethylbenzene	106	18.691	18.691	(1.018)	1128068	50.0000	54.37
	75 m,p-Xylenes	106	18.952	18.952	(1.032)	3077018	100.000	110.8
	76 o-Xylene	106	20.308	20.308	(1.106)	1428544	50.0000	54.69
	77 Styrene	104	20.429	20.429	(1.113)	2406290	50.0000	56.02
M	78 Xylenes (total)	106				4505562	150.000	165.5
	79 Bromoform	173	21.386	21.386	(1.165)	920549	50.0000	50.83
	80 Isopropylbenzene	105	21.525	21.525	(1.172)	3655130	50.0000	54.86

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GCAL4245.D
Report Date: 01-Dec-2006 11:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	81 Cyclohexanone	55	21.629	21.629	(1.178)	457438	500.000	568.0
	82 1,1,2,2-Tetrachloroethane	83	22.099	22.099	(1.204)	1544544	50.0000	53.72
$	83 4-Bromofluorobenzene	95	22.273	22.273	(0.898)	1981076	50.0000	48.09
	84 1,2,3-Trichloropropane	110	22.533	22.533	(0.909)	371303	50.0000	52.86
	85 Bromobenzene	156	22.759	22.759	(0.918)	1111506	50.0000	50.68
	86 n-Propylbenzene	91	22.777	22.777	(0.919)	5320088	50.0000	50.69
	88 trans-1,4-dichloro-2-butene	53	22.812	22.812	(0.920)	269672	50.0000	51.12
	87 2-Chlorotoluene	91	23.159	23.159	(0.934)	3272898	50.0000	50.96
	89 1,3,5-Trimethylbenzene	105	23.194	23.194	(0.935)	2961506	50.0000	49.44
	90 4-Chlorotoluene	91	23.264	23.264	(0.938)	4129859	50.0000	49.82
	91 t-Butylbenzene	119	23.942	23.942	(0.966)	3599925	50.0000	51.41
	92 Pentachloroethane	167	23.994	23.994	(0.968)	456871	50.0000	52.86
	93 1,2,4-Trimethylbenzene	105	24.011	24.011	(0.968)	2677804	50.0000	48.30
	94 sec-Butylbenzene	105	24.342	24.342	(0.982)	4965987	50.0000	51.60
	95 4-Isopropyltoluene	119	24.585	24.585	(0.992)	3207184	50.0000	50.26
	96 1,3-Dichlorobenzene	146	24.672	24.672	(0.995)	2014528	50.0000	52.62
*	97 1,4 Dichlorobenzene-d4	152	24.794	24.794	(1.000)	1255220	50.0000	
	98 1,4-Dichlorobenzene	146	24.846	24.846	(1.002)	2222179	50.0000	51.30
	99 n-Butylbenzene	91	25.211	25.211	(1.017)	3442664	50.0000	51.48
	100 1,2-Dichlorobenzene	146	25.385	25.385	(1.024)	1924630	50.0000	51.01
	147 Nonanal	57	25.837	25.837	(1.042)	343064	50.0000	45.67(A)
	101 1,2-Dibromo-3-chloropropane	157	26.428	26.428	(1.066)	318062	50.0000	54.54
	103 1,2,4-Trichlorobenzene	180	27.367	27.367	(1.104)	928973	50.0000	52.83
	104 Hexachlorobutadiene	225	27.524	27.524	(1.110)	614340	50.0000	52.05
	105 Naphthalene	128	27.628	27.628	(1.114)	1610382	50.0000	51.56
	106 1,2,3-Trichlorobenzene	180	27.889	27.889	(1.125)	830162	50.0000	52.07

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.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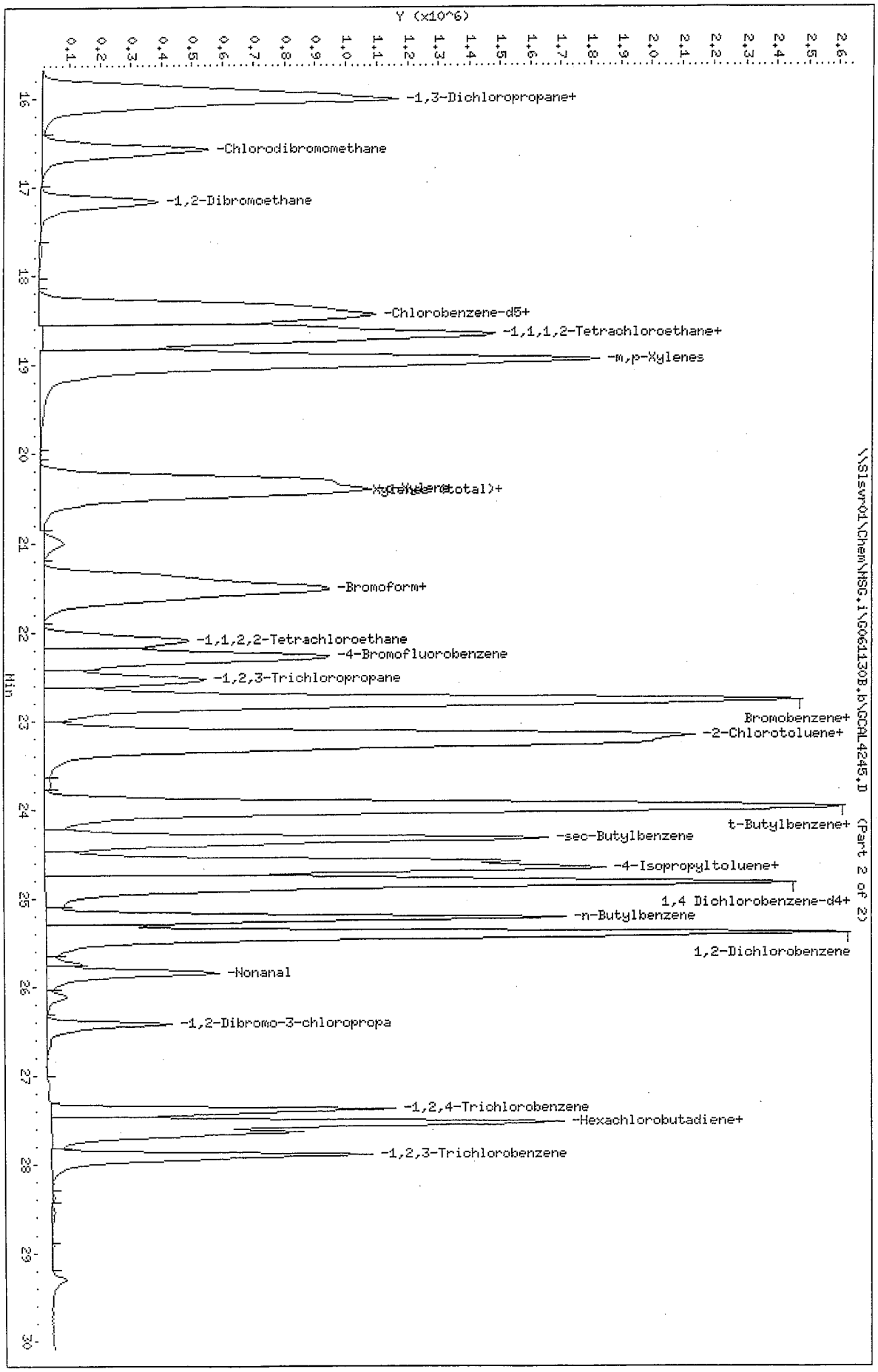
Date : 30-NOV-2006 14:36
Client ID:
Sample Info: WSTD050;G061130B,b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG,i
Operator: TM
Column diameter: 0.53
\\Slsvr01\Chem\MSG,i\G061130B,b\GCAL4245,D (Part 1 of 2)
Y (x10^6)
Min
-Dichlorodifluoromethane
-Freon-114
-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Diethyl ether
-1,1,2-Trichlorofluoroetha+
-1,1-Dichloroethene+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-trans-1,2-Dichloroethene+
-Vinyl acetate+
-2-Chloro-1,3-butadiene
-2-Butanone+
-1,2-Dichloroethene (total+
-Chloroform
-Bromochloromethane+
-1,1,1-Trichloroethane+
-1,1-Dichloropropene
-Carbon Tetrachloride+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene+
-1,2-Dichloropropane
-Methyl methacrylate
-Bromodichloromethane+
-2-chloroethyl vinyl ether+
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane+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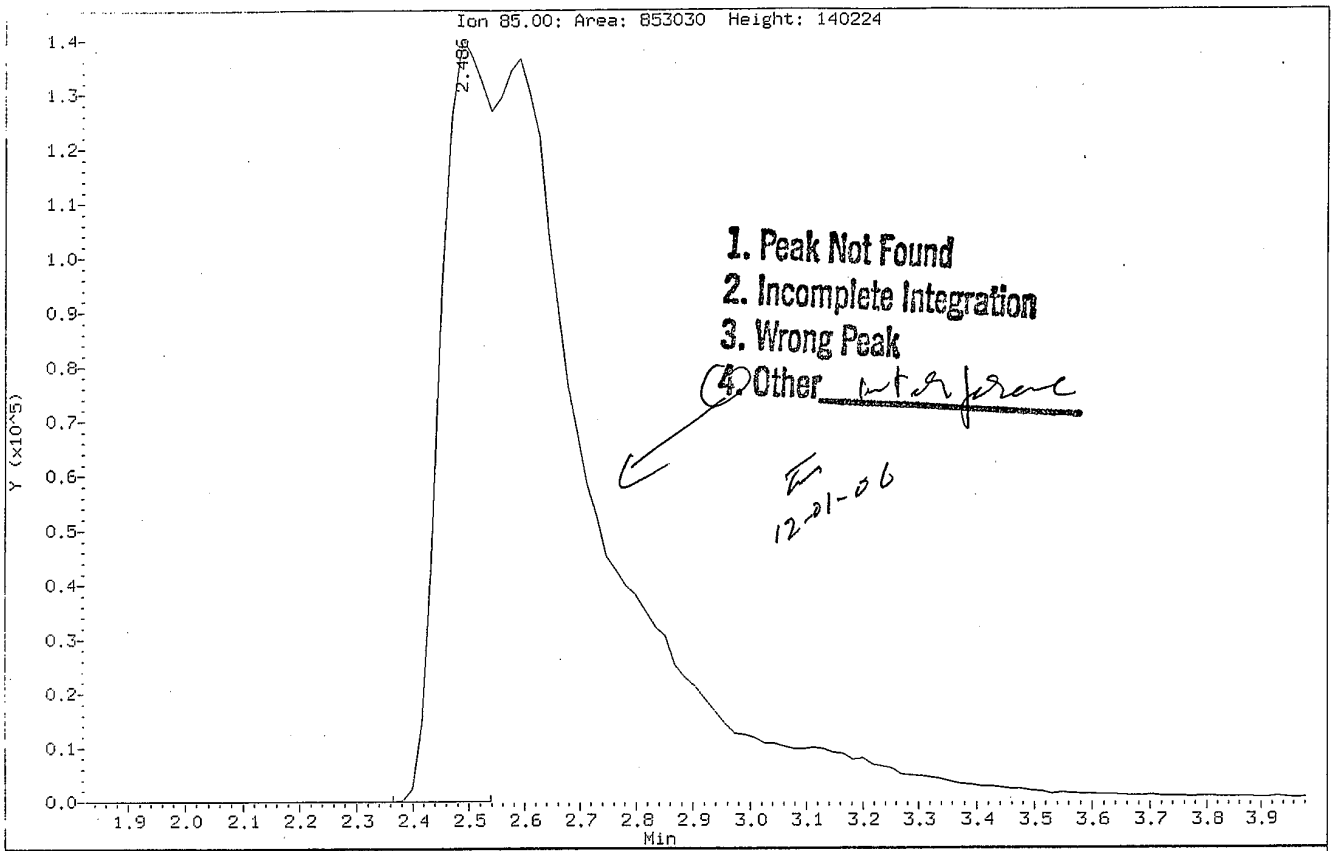
Date : 30-NOV-2006 14:36
Client ID:
Sample Info: WSTD050;G061130B,b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG,i
Operator: TM
Column diameter: 0.53
\\Slsvr01\Chem\MSG,i\G061130B,b\GCAL4245,D (Part 2 of 2)
Y (x10^6)
Min
-1,3-Dichloropropane+
-Chlorodibromomethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m,p-Xylenes
-Bromoform+
-1,1,2,2-Tetrachloroethane
-4-Bromofluorobenzene
-1,2,3-Trichloropropane
Bromobenzene+
-2-Chlorotoluene+
t-Butylbenzene+
-sec-Butylbenzene
-4-Isopropyltoluene+
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
1,2-Dichlorobenzene
-Nonanal
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene

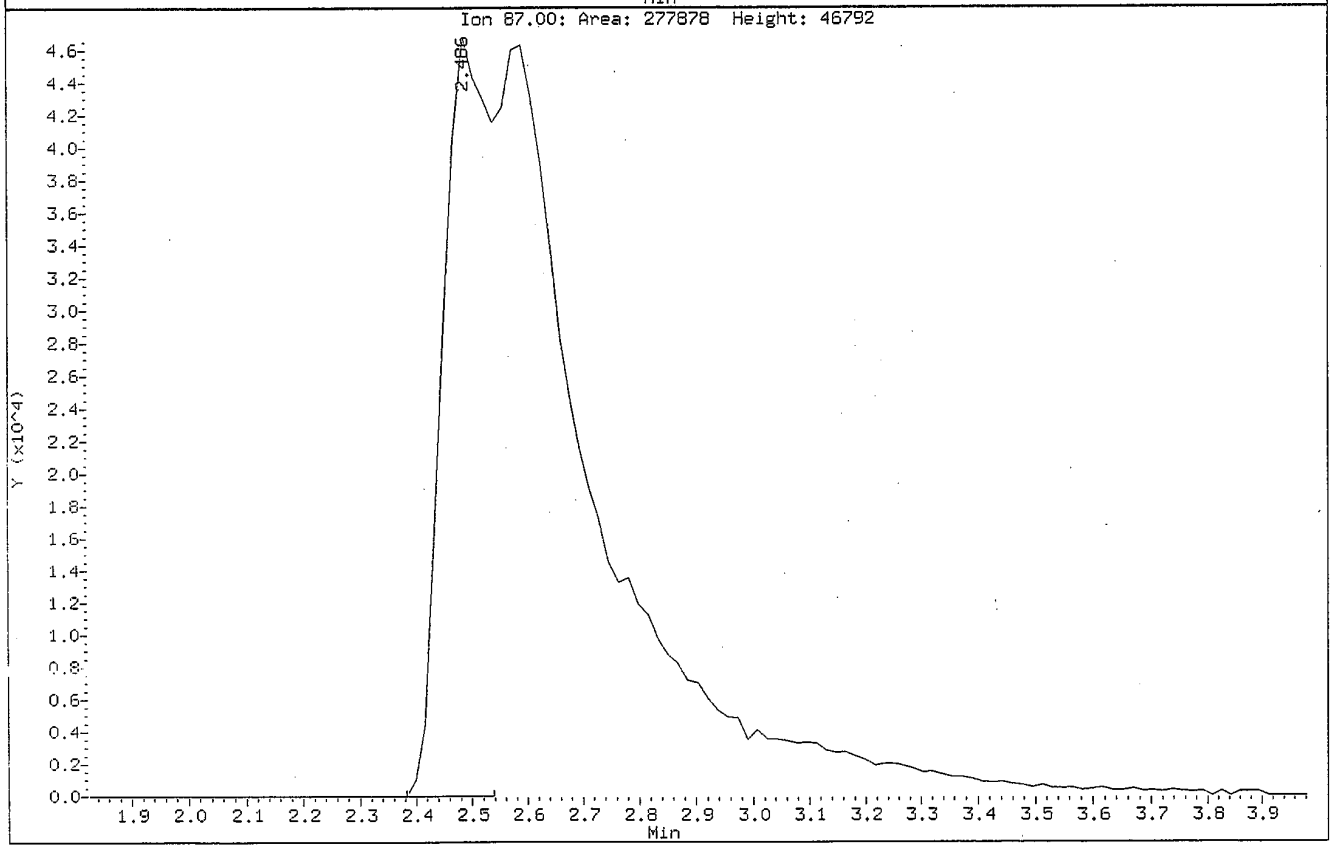
Data File: \\SlsvrO1\Chem\MSG.i\G061130B.b\GCAL4245.D
Injection Date: 30-NOV-2006 14:36
Instrument: MSG.i
Client Sample ID:

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other interference

12-01-06



Data File: \\slsvr01\chem\MSF.i\F061211A.b\FBFB0915.D

Page 2

Date : 11-DEC-2006 13:50

Client ID: VBFB

Instrument: MSF.i

Sample Info: 50NG BFB;F061211A.B

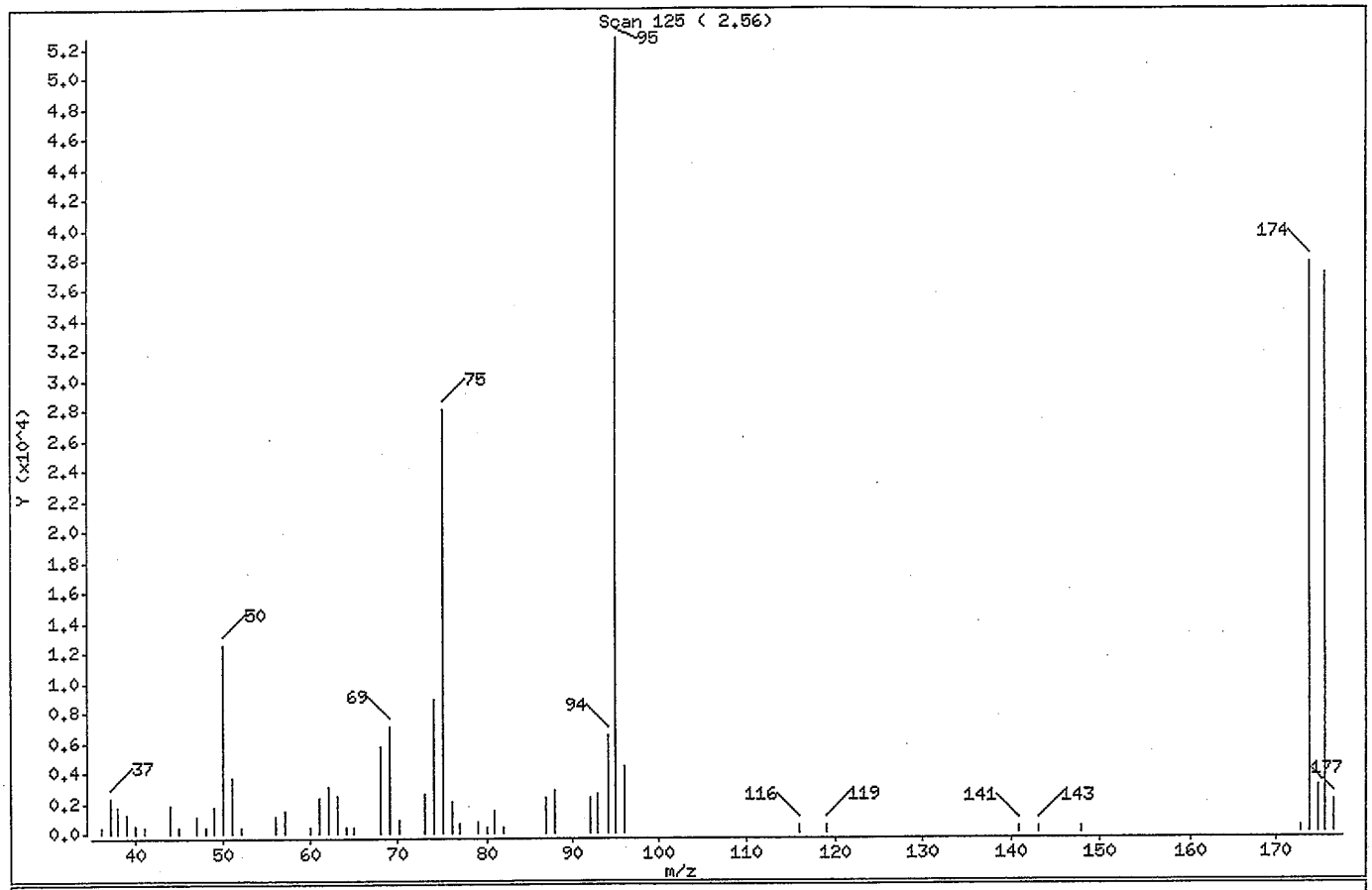
Volume Injected (uL): 5.0

Operator: JDH

Column phase: RTX-502.2

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.65
75	30.00 - 60.00% of mass 95	53.22
96	5.00 - 9.00% of mass 95	8.30
173	Less than 2.00% of mass 174	0.71 (0.99)
174	Greater than 50.00% of mass 95	71.58
175	5.00 - 9.00% of mass 174	5.83 (8.15)
176	95.00 - 101.00% of mass 174	70.21 (98.09)
177	5.00 - 9.00% of mass 176	3.85 (5.48)

JMK 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FBFB0915.D

Page 1

Date : 11-DEC-2006 13:50

Client ID: VBFB

Instrument: MSF.i

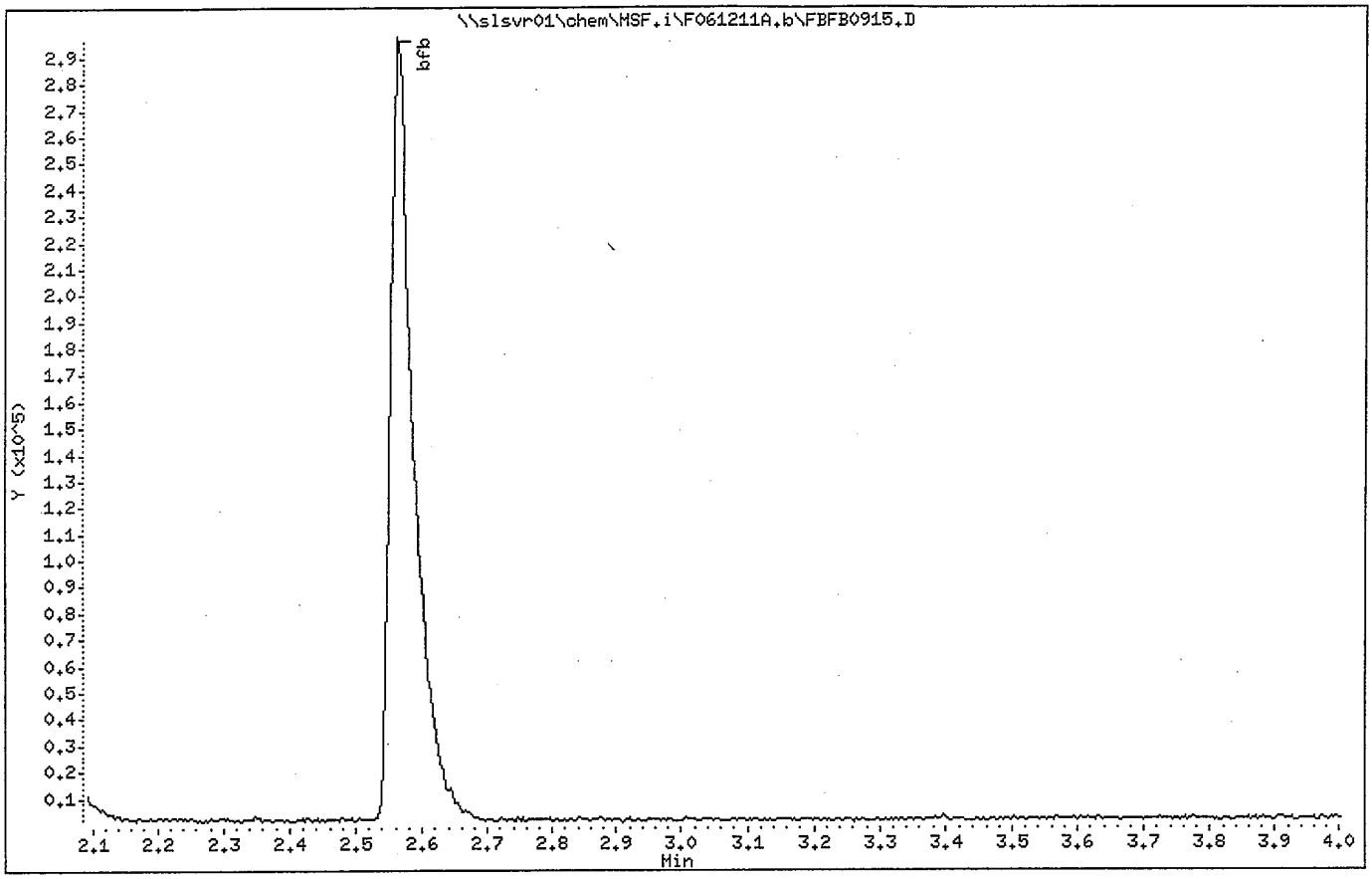
Sample Info: 50NG BFB:F061211A.B

Volume Injected (uL): 5.0

Operator: JDH

Column phase: RTX-502.2

Column diameter: 0.25



Data File: \\slsvr01\chem\MSF.i\F061211A.b\FBFB0915.D

Date : 11-DEC-2006 13:50

Client ID: VBFB

Instrument: MSF.i

Sample Info: 50NG BFB;F061211A.B

Volume Injected (uL): 5.0

Operator: JDH

Column phase: RTX-502.2

Column diameter: 0.25

Data File: FBFB0915.D
Spectrum: Scan 125 (2.56)
Location of Maximum: 95.10
Number of points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	325	52.10	325	74.10	8829	95.10	52688
37.10	2252	56.10	1118	75.10	28040	96.00	4371
38.10	1678	57.10	1478	76.10	2076	116.00	520
39.10	1197	60.00	403	76.90	579	119.00	468
40.00	489	61.10	2314	79.00	709	140.80	389
41.10	348	62.00	3002	80.00	323	143.00	373
44.10	1823	63.00	2462	81.00	1503	147.90	336
45.10	418	64.20	348	81.90	376	172.90	373
47.10	1066	65.00	346	87.00	2307	173.90	37712
48.20	376	68.10	5651	88.00	2798	174.90	3072
49.00	1679	69.10	7054	92.00	2277	175.90	36992
50.10	12460	70.10	805	93.00	2491	176.90	2028
51.10	3636	73.00	2510	94.10	6388		

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D
Report Date: 12-Dec-2006 18:03

STL St. Louis

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSF.i
Lab File ID: FCAL0918.D
Analysis Type: WATER
Lab Sample ID: VSTD050
Method: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m

Injection Date: 11-DEC-2006 14:54
Init. Cal. Date(s): 07-DEC-2006 07-DEC-2006
Init. Cal. Times: 13:40 16:31
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	1 Dichlorodifluoromethane	0.40320	0.39223	0.39223	0.000	2.72078	60.00000	Averaged
	3 Chloromethane	0.48661	0.43742	0.43742	0.100	10.10930	60.00000	Averaged
	4 Vinyl Chloride	0.61965	0.55385	0.55385	0.000	10.61973	20.00000	Averaged
	5 Bromomethane	0.40400	0.32621	0.32621	0.000	19.25596	60.00000	Averaged
	6 Chloroethane	0.38788	0.34380	0.34380	0.000	11.36446	60.00000	Averaged
	7 Trichlorofluoromethane	0.75517	0.66172	0.66172	0.000	12.37483	60.00000	Averaged
	8 Diethyl ether	0.26815	0.24892	0.24892	0.000	7.17132	60.00000	Averaged
	9 1,1-Dichloroethene	0.26973	0.26422	0.26422	0.000	2.04304	20.00000	Averaged
	10 Carbon Disulfide	1.01163	0.79221	0.79221	0.000	21.68939	60.00000	Averaged
	11 1,1,2-Trichlorofluoroethane	0.17951	0.19840	0.19840	0.000	-10.52435	60.00000	Averaged
	12 Iodomethane	0.27735	0.25770	0.25770	0.000	7.08501	60.00000	Averaged
	13 Acrolein	0.00781	0.00671	0.00671	0.000	14.04418	60.00000	Averaged
	14 Allyl chloride	0.30960	0.30726	0.30726	0.000	0.75806	60.00000	Averaged
	15 Methylene Chloride	50.00000	54.29905	0.34864	0.000	-8.59811	60.00000	Linear
	16 Acetone	50.00000	53.78812	0.06066	0.000	-7.57624	60.00000	Linear
	17 trans-1,2-Dichloroethene	0.27930	0.27921	0.27921	0.000	0.03422	60.00000	Averaged
	18 Methyl Acetate	0.03575	0.03942	0.03942	0.000	-10.24898	60.00000	Averaged
	19 n-Hexane	0.08135	0.08621	0.08621	0.000	-5.97010	60.00000	Averaged
	20 MTBE	0.70856	0.75084	0.75084	0.000	-5.96668	60.00000	Averaged
	21 Acetonitrile	0.02518	0.02347	0.02347	0.000	6.79418	60.00000	Averaged
	22 2-Chloro-1,3-butadiene	0.39065	0.42605	0.42605	0.000	-9.06252	60.00000	Averaged
	23 1,1-Dichloroethane	0.56623	0.55076	0.55076	0.100	2.73228	60.00000	Averaged
	24 Acrylonitrile	0.06991	0.07099	0.07099	0.000	-1.54278	60.00000	Averaged
M	26 1,2-Dichloroethene (total)	0.28201	0.28691	0.28691	0.000	-1.73905	60.00000	Averaged
	27 cis-1,2-Dichloroethene	0.28472	0.29462	0.29462	0.000	-3.47860	60.00000	Averaged
	28 2,2-Dichloropropane	0.38372	0.41452	0.41452	0.000	-8.02584	60.00000	Averaged
	30 Bromochloromethane	0.11776	0.11761	0.11761	0.000	0.12302	60.00000	Averaged
	29 Cyclohexane	0.39446	0.43093	0.43093	0.000	-9.24355	60.00000	Averaged
	31 Chloroform	0.51688	0.50092	0.50092	0.000	3.08745	20.00000	Averaged
	32 Carbon Tetrachloride	0.37399	0.37745	0.37745	0.000	-0.92434	60.00000	Averaged
	33 Ethyl acetate	0.03061	0.02896	0.02896	0.000	5.41073	60.00000	Averaged
	34 Tetrahydrofuran	0.02300	0.02516	0.02516	0.000	-9.38926	60.00000	Averaged
$	35 Dibromofluoromethane	0.22288	0.23170	0.23170	0.000	-3.96182	60.00000	Averaged
	36 1,1,1-Trichloroethane	0.43990	0.44752	0.44752	0.000	-1.73035	60.00000	Averaged
	37 2-Butanone	50.00000	45.06963	0.07995	0.000	9.86074	60.00000	Linear
	39 1,1-Dichloropropene	0.36983	0.38021	0.38021	0.000	-2.80815	60.00000	Averaged
	40 Benzene	1.15601	1.12909	1.12909	0.000	2.32873	60.00000	Averaged
	41 Propionitrile	0.02747	0.02803	0.02803	0.000	-2.05293	60.00000	Averaged
	42 Methacrylonitrile	0.12444	0.12724	0.12724	0.000	-2.24653	60.00000	Averaged
$	43 1,2-Dichloroethane-d4	0.29384	0.28844	0.28844	0.000	1.83792	60.00000	Averaged
	44 1,2-Dichloroethane	0.34255	0.33717	0.33717	0.000	1.57183	60.00000	Averaged
	45 Isobutanol	0.00913	0.00849	0.00849	0.000	6.93755	100	Averaged

JWK 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D
Report Date: 12-Dec-2006 18:03

STL St. Louis

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSF.i
Lab File ID: FCAL0918.D
Analysis Type: WATER
Lab Sample ID: VSTD050
Method: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m

Injection Date: 11-DEC-2006 14:54
Init. Cal. Date(s): 07-DEC-2006 07-DEC-2006
Init. Cal. Times: 13:40 16:31
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	47 Methylcyclohexane	0.43917	0.45978	0.45978	0.000	-4.69280	60.00000	Averaged
	48 Trichloroethene	0.27119	0.27224	0.27224	0.000	-0.38713	60.00000	Averaged
	49 n-Butanol	0.00483	0.00429	0.00429	0.000	11.11146	100	Averaged
	50 Dibromomethane	0.13293	0.12989	0.12989	0.000	2.29156	60.00000	Averaged
	51 1,2-Dichloropropane	0.28278	0.27661	0.27661	0.000	2.18481	20.00000	Averaged
	52 Bromodichloromethane	0.35957	0.35904	0.35904	0.000	0.14514	60.00000	Averaged
	53 Methyl methacrylate	0.11408	0.12245	0.12245	0.000	-7.33797	60.00000	Averaged
	54 1,4-Dioxane	0.00145	0.00108	0.00108	0.000	25.11500	100	Averaged
	55 2-Chloroethylvinyl ether	0.09825	0.10934	0.10934	0.000	-11.28545	100	Averaged
	56 cis-1,3-Dichloropropene	0.38382	0.40661	0.40661	0.000	-5.93679	60.00000	Averaged
$	57 Toluene-d8	1.40352	1.48162	1.48162	0.000	-5.56493	60.00000	Averaged
	58 Toluene	1.05484	1.05309	1.05309	0.000	0.16573	20.00000	Averaged
	59 2-Nitropropane	50.00000	48.18793	0.15481	0.000	3.62414	60.00000	Linear
	60 Tetrachloroethene	0.29814	0.30317	0.30317	0.000	-1.68689	60.00000	Averaged
	62 4-Methyl-2-pentanone	0.17226	0.18200	0.18200	0.000	-5.65329	60.00000	Averaged
	63 trans-1,3-Dichloropropene	0.49700	0.51580	0.51580	0.000	-3.78406	60.00000	Averaged
	64 1,1,2-Trichloroethane	0.26023	0.25596	0.25596	0.000	1.64089	60.00000	Averaged
	65 Ethyl methacrylate	0.37335	0.42807	0.42807	0.000	-14.65596	60.00000	Averaged
	66 Chlorodibromomethane	0.33024	0.32975	0.32975	0.000	0.14831	60.00000	Averaged
	67 1,3-Dichloropropane	0.57657	0.55596	0.55596	0.000	3.57562	60.00000	Averaged
	68 1,2-Dibromoethane	0.25125	0.25791	0.25791	0.000	-2.64798	60.00000	Averaged
	69 2-Hexanone	0.17765	0.16536	0.16536	0.000	6.91326	60.00000	Averaged
	71 Chlorobenzene	1.10489	1.06760	1.06760	0.300	3.37445	60.00000	Averaged
	72 Ethylbenzene	2.09686	2.03190	2.03190	0.000	3.09831	20.00000	Averaged
	73 1,1,1,2-Tetrachloroethane	0.38781	0.38096	0.38096	0.000	1.76498	60.00000	Averaged
	74 m,p-Xylenes	0.74558	0.75788	0.75788	0.000	-1.64981	60.00000	Averaged
	75 o-Xylene	0.70296	0.74377	0.74377	0.000	-5.80437	60.00000	Averaged
	76 Styrene	1.01866	1.11145	1.11145	0.000	-9.10869	60.00000	Averaged
	77 Bromoform	0.35073	0.36495	0.36495	0.100	-4.05430	60.00000	Averaged
	78 Isopropylbenzene	1.66576	1.81100	1.81100	0.000	-8.71920	60.00000	Averaged
$	79 4-Bromofluorobenzene	1.04598	1.04398	1.04398	0.000	0.19154	60.00000	Averaged
	80 Bromobenzene	0.79835	0.81456	0.81456	0.000	-2.02984	60.00000	Averaged
	81 n-Propylbenzene	4.81219	5.03049	5.03049	0.000	-4.53643	60.00000	Averaged
	82 1,1,2,2-Tetrachloroethane	0.80833	0.76538	0.76538	0.300	5.31322	60.00000	Averaged
	83 2-Chlorotoluene	0.96841	1.02198	1.02198	0.000	-5.53218	60.00000	Averaged
	84 1,3,5-Trimethylbenzene	3.39222	3.60162	3.60162	0.000	-6.17313	60.00000	Averaged
	85 1,2,3-Trichloropropane	0.76907	0.66171	0.66171	0.000	13.96011	60.00000	Averaged
	86 trans-1,4-dichloro-2-butene	50.00000	48.25227	0.20283	0.000	3.49547	60.00000	Linear
	87 Cyclohexanone	0.01884	0.01469	0.01469	0.000	22.02567	100	Averaged
	88 4-Chlorotoluene	0.86866	0.87388	0.87388	0.000	-0.60121	60.00000	Averaged
	89 t-Butylbenzene	3.29004	3.53456	3.53456	0.000	-7.43239	60.00000	Averaged
	90 Pentachloroethane	0.52763	0.56311	0.56311	0.000	-6.72409	60.00000	Averaged
	91 1,2,4-Trimethylbenzene	3.50426	3.63661	3.63661	0.000	-3.77675	60.00000	Averaged

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D
Report Date: 12-Dec-2006 18:03

STL St. Louis

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSF.i
Lab File ID: FCAL0918.D
Analysis Type: WATER
Lab Sample ID: VSTD050
Method: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m

Injection Date: 11-DEC-2006 14:54
Init. Cal. Date(s): 07-DEC-2006 07-DEC-2006
Init. Cal. Times: 13:40 16:31
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
92 sec-Butylbenzene	4.46817	4.68086	4.68086	0.000	-4.76006	60.00000	Averaged
93 4-Isopropyltoluene	3.39559	3.68400	3.68400	0.000	-8.49359	60.00000	Averaged
94 1,3-Dichlorobenzene	1.67275	1.64868	1.64868	0.000	1.43874	60.00000	Averaged
96 1,4-Dichlorobenzene	1.83338	1.70693	1.70693	0.000	6.89733	60.00000	Averaged
98 n-Butylbenzene	3.76869	3.84764	3.84764	0.000	-2.09488	60.00000	Averaged
99 1,2-Dichlorobenzene	1.62779	1.58863	1.58863	0.000	2.40530	60.00000	Averaged
145 Nonanal	0.39140	0.47231	0.47231	0.000	-20.67399	60.00000	Averaged
100 1,2-Dibromo-3-chloropropane	0.12668	0.13220	0.13220	0.000	-4.35582	60.00000	Averaged
101 Hexachlorobutadiene	0.60173	0.61109	0.61109	0.000	-1.55510	60.00000	Averaged
104 1,2,4-Trichlorobenzene	1.16103	1.20773	1.20773	0.000	-4.02164	60.00000	Averaged
105 Naphthalene	2.63876	2.59346	2.59346	0.000	1.71676	60.00000	Averaged
106 1,2,3-Trichlorobenzene	1.09427	1.09268	1.09268	0.000	0.14553	60.00000	Averaged
M 107 Xylenes (total)	0.73137	0.75317	0.75317	0.000	-2.98087	60.00000	Averaged

Data File: \\slsvr01\chem\MSF.i\F061211A.b/FCAL0918.D Pa
Report Date: 12/12/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSF.i
Lab File ID: FCAL0918.D
Analysis Type: WATER

Injection Date: 11-DEC-2006 14:54
Lab Sample ID: VSTD050
Method File: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F

COMPOUND	%D
Dichlorodifluoromethane	2.7
Chloromethane	10.1
Vinyl Chloride	10.6
Bromomethane	19.3
Chloroethane	11.4
Trichlorofluoromethane	12.4
Diethyl ether	7.2
1,1-Dichloroethene	2.0
Carbon Disulfide	21.7
1,1,2-Trichlorofluoroethane	10.5
Iodomethane	7.1
Acrolein	14.0
Allyl chloride	0.8
Methylene Chloride	8.6
Acetone	7.6
trans-1,2-Dichloroethene	0.0
Methyl acetate	10.2
n-Hexane	6.0
MTBE	6.0
Acetonitrile	6.8
2-Chloro-1,3-butadiene	9.1
1,1-Dichloroethane	2.7
Acrylonitrile	1.5
1,2-Dichloroethene (total)	1.7
cis-1,2-Dichloroethene	3.5
2,2-Dichloropropane	8.0
Bromochloromethane	0.1
Cyclohexane	9.2
Chloroform	3.1
Carbon Tetrachloride	0.9
Ethyl acetate	5.4
Tetrahydrofuran	9.4
Dibromofluoromethane	4.0
1,1,1-Trichloroethane	1.7
2-Butanone	9.9
1,1-Dichloropropene	2.8
Benzene	2.3
Propionitrile	2.1
Methacrylonitrile	2.2

JMK 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061211A.b/FCAL0918.D
Report Date: 12/12/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSF.i
Lab File ID: FCAL0918.D
Analysis Type: WATER

Injection Date: 11-DEC-2006 14:54
Lab Sample ID: VSTD050
Method File: \\slsvr01\chem\MSF.i\F061211A.b\

COMPOUND	%D
1,2-Dichloroethane-d4	1.8
1,2-Dichloroethane	1.6
Isobutanol	6.9
Methylcyclohexane	4.7
Trichloroethene	0.4
n-Butanol	11.1
Dibromomethane	2.3
1,2-Dichloropropane	2.2
Bromodichloromethane	0.1
Methyl methacrylate	7.3
1,4-Dioxane	25.1
2-Chloroethylvinyl ether	11.3
cis-1,3-Dichloropropene	5.9
Toluene-d8	5.6
Toluene	0.2
2-Nitropropane	3.6
Tetrachloroethene	1.7
4-Methyl-2-pentanone	5.7
trans-1,3-Dichloropropene	3.8
1,1,2-Trichloroethane	1.6
Ethyl methacrylate	14.7
Chlorodibromomethane	0.1
1,3-Dichloropropane	3.6
1,2-Dibromoethane	2.6
2-Hexanone	6.9
Chlorobenzene	3.4
Ethylbenzene	3.1
1,1,1,2-Tetrachloroethane	1.8
m,p-Xylenes	1.6
o-Xylene	5.8
Styrene	9.1
Bromoform	4.1
Isopropylbenzene	8.7
4-Bromofluorobenzene	0.2
Bromobenzene	2.0
n-Propylbenzene	4.5
1,1,2,2-Tetrachloroethane	5.3
2-Chlorotoluene	5.5
1,3,5-Trimethylbenzene	6.2

Data File: \\slsvr01\chem\MSF.i\F061211A.b/FCAL0918.D
Report Date: 12/12/2006

CONTINUING CALIBRATION REPORT

Instrument ID: MSF.i
Lab File ID: FCAL0918.D
Analysis Type: WATER

Injection Date: 11-DEC-2006 14:54
Lab Sample ID: VSTD050
Method File: \\slsvr01\chem\MSF.i\F061211A.b\

COMPOUND	%D
1,2,3-Trichloropropane	14.0
trans-1,4-dichloro-2-butene	3.5
Cyclohexanone	22.0
4-Chlorotoluene	0.6
t-Butylbenzene	7.4
Pentachloroethane	6.7
1,2,4-Trimethylbenzene	3.8
sec-Butylbenzene	4.8
4-Isopropyltoluene	8.5
1,3-Dichlorobenzene	1.4
1,4-Dichlorobenzene	6.9
n-Butylbenzene	2.1
1,2-Dichlorobenzene	2.4
Nonanal	20.7
1,2-Dibromo-3-chloropropane	4.4
Hexachlorobutadiene	1.6
1,2,4-Trichlorobenzene	4.0
Naphthalene	1.7
1,2,3-Trichlorobenzene	0.1
Xylenes (total)	3.0

The average of %D's in the continuing calibration is 5.8

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D
Report Date: 12-Dec-2006 18:03

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D
Lab Smp Id: VSTD050
Inj Date : 11-DEC-2006 14:54
Operator : JDH Inst ID: MSF.i
Smp Info : VSTD050;F061211A.B
Misc Info : VBLKF345A.B;
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Meth Date : 12-Dec-2006 18:01 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 15:42 Cal File: FCAL0865.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CCAL.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.901	1.901	(0.255)	332841	50.0000	48.64
3 Chloromethane	50	2.094	2.094	(0.281)	371189	50.0000	44.94
4 Vinyl Chloride	62	2.180	2.180	(0.292)	469989	50.0000	44.69
5 Bromomethane	94	2.495	2.495	(0.334)	276817	50.0000	40.37
6 Chloroethane	64	2.638	2.638	(0.353)	291744	50.0000	44.32
7 Trichlorofluoromethane	101	2.766	2.766	(0.371)	561530	50.0000	43.81
8 Diethyl ether	74	3.081	3.081	(0.413)	422463	100.000	92.83
9 1,1-Dichloroethene	96	3.317	3.317	(0.444)	224211	50.0000	48.98
10 Carbon Disulfide	76	3.360	3.360	(0.450)	672264	50.0000	39.16
11 1,1,2-Trichlorofluoroethane	151	3.374	3.374	(0.452)	168361	50.0000	55.26
12 Iodomethane	142	3.488	3.488	(0.467)	218679	50.0000	46.46
13 Acrolein	56	3.710	3.710	(0.497)	28488	250.000	214.9
14 Allyl chloride	39	3.882	3.882	(0.520)	260736	50.0000	49.62
15 Methylene Chloride	84	4.018	4.018	(0.538)	295857	50.0000	54.30
16 Acetone	43	4.089	4.089	(0.548)	51473	50.0000	53.79
17 trans-1,2-Dichloroethene	96	4.232	4.232	(0.567)	236934	50.0000	49.98
18 Methyl acetate	74	4.239	4.239	(0.568)	33450	50.0000	55.12
19 n-Hexane	86	4.332	4.332	(0.580)	73156	50.0000	52.98
20 MTBE	73	4.375	4.375	(0.586)	637155	50.0000	52.98
21 Acetonitrile	41	4.740	4.740	(0.635)	99572	250.000	233.0
22 2-Chloro-1,3-butadiene	53	5.069	5.069	(0.679)	361544	50.0000	54.53
23 1,1-Dichloroethane	63	5.097	5.097	(0.683)	467372	50.0000	48.63

JHK 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D
Report Date: 12-Dec-2006 18:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	24 Acrylonitrile	53	5.176	5.176	(0.693)	301201	250.000	253.8
M	26 1,2-Dichloroethene (total)	96				486947	100.000	101.7
	27 cis-1,2-Dichloroethene	96	5.841	5.841	(0.783)	250013	50.0000	51.74
	28 2,2-Dichloropropane	77	5.984	5.984	(0.802)	351760	50.0000	54.01
	30 Bromochloromethane	128	6.098	6.098	(0.817)	99806	50.0000	49.94
	29 Cyclohexane	84	6.098	6.098	(0.817)	365680	50.0000	54.62
	31 Chloroform	83	6.198	6.198	(0.830)	425080	50.0000	48.46
	32 Carbon Tetrachloride	117	6.370	6.370	(0.853)	320300	50.0000	50.46
	33 Ethyl acetate	45	6.370	6.370	(0.853)	49145	100.000	94.59
	34 Tetrahydrofuran	71	6.406	6.406	(0.858)	106772	250.000	273.5
$	35 Dibromofluoromethane	113	6.434	6.434	(0.862)	196623	50.0000	51.98
	36 1,1,1-Trichloroethane	97	6.463	6.463	(0.866)	379758	50.0000	50.86
	37 2-Butanone	43	6.606	6.606	(0.885)	67848	50.0000	45.07
	39 1,1-Dichloropropene	75	6.627	6.627	(0.888)	322645	50.0000	51.40
	40 Benzene	78	6.942	6.942	(0.930)	958140	50.0000	48.84
	41 Propionitrile	54	6.985	6.985	(0.936)	118931	250.000	255.1
	42 Methacrylonitrile	41	7.006	7.006	(0.939)	539859	250.000	255.6
$	43 1,2-Dichloroethane-d4	65	7.114	7.114	(0.953)	244766	50.0000	49.08
	44 1,2-Dichloroethane	62	7.199	7.199	(0.965)	286117	50.0000	49.21
	45 Isobutanol	43	7.228	7.228	(0.968)	144170	1000.00	930.6
*	46 Fluorobenzene	96	7.464	7.464	(1.000)	848592	50.0000	
	47 Methylcyclohexane	55	7.657	7.657	(1.026)	390167	50.0000	52.35
	48 Trichloroethene	95	7.671	7.671	(1.028)	231022	50.0000	50.19
	49 n-Butanol	56	8.093	8.093	(1.084)	36408	500.000	444.4(MH)
	50 Dibromomethane	93	8.186	8.186	(1.097)	110220	50.0000	48.85
	51 1,2-Dichloropropane	63	8.315	8.315	(1.114)	234725	50.0000	48.91
	52 Bromodichloromethane	83	8.393	8.393	(1.125)	304682	50.0000	49.93
	53 Methyl methacrylate	69	8.601	8.601	(1.152)	103912	50.0000	53.67
	54 1,4-Dioxane	88	8.637	8.637	(1.157)	18371	1000.00	748.8
	55 2-Chloroethylvinyl ether	63	9.101	9.101	(1.219)	92785	50.0000	55.64
	56 cis-1,3-Dichloropropene	75	9.159	9.159	(1.227)	345042	50.0000	52.97
$	57 Toluene-d8	98	9.380	9.380	(0.859)	776346	50.0000	52.78
	58 Toluene	92	9.430	9.430	(0.864)	551801	50.0000	49.92
	59 2-Nitropropane	43	9.702	9.702	(0.889)	81119	50.0000	48.19
	60 Tetrachloroethene	164	9.845	9.845	(0.902)	158856	50.0000	50.84
	62 4-Methyl-2-pentanone	43	9.852	9.852	(1.320)	154441	50.0000	52.83
	63 trans-1,3-Dichloropropene	75	9.881	9.881	(0.905)	270273	50.0000	51.89
	64 1,1,2-Trichloroethane	83	10.045	10.045	(0.920)	134120	50.0000	49.18
	65 Ethyl methacrylate	69	10.052	10.052	(0.921)	224300	50.0000	57.33
	66 Chlorodibromomethane	129	10.217	10.217	(0.936)	172784	50.0000	49.92
	67 1,3-Dichloropropane	76	10.317	10.317	(0.945)	291311	50.0000	48.21
	68 1,2-Dibromoethane	107	10.446	10.446	(0.957)	135138	50.0000	51.32
	69 2-Hexanone	43	10.667	10.667	(0.977)	86648	50.0000	46.54
*	70 Chlorobenzene-d5	117	10.917	10.917	(1.000)	523983	50.0000	
	71 Chlorobenzene	112	10.932	10.932	(1.001)	559406	50.0000	48.31(A)
	72 Ethylbenzene	91	10.953	10.953	(1.003)	1064679	50.0000	48.45
	73 1,1,1,2-Tetrachloroethane	131	10.989	10.989	(1.007)	199618	50.0000	49.12
	74 m,p-Xylenes	106	11.082	11.082	(1.015)	794231	100.000	101.6
	75 o-Xylene	106	11.447	11.447	(1.048)	389721	50.0000	52.90
	76 Styrene	104	11.489	11.489	(1.052)	582379	50.0000	54.55
	77 Bromoform	173	11.518	11.518	(0.901)	93010	50.0000	52.03
	78 Isopropylbenzene	105	11.704	11.704	(1.072)	948935	50.0000	54.36
$	79 4-Bromofluorobenzene	95	11.940	11.940	(0.933)	266066	50.0000	49.90
	80 Bromobenzene	156	12.026	12.026	(0.940)	207596	50.0000	51.01

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D
Report Date: 12-Dec-2006 18:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
81 n-Propylbenzene	91	12.033	12.033	(0.941)	1282061	50.0000	52.27
82 1,1,2,2-Tetrachloroethane	83	12.090	12.090	(0.945)	195064	50.0000	47.34
83 2-Chlorotoluene	91	12.162	12.162	(1.629)	867247	50.0000	52.77
84 1,3,5-Trimethylbenzene	105	12.183	12.183	(0.952)	917902	50.0000	53.09
85 1,2,3-Trichloropropane	75	12.204	12.204	(0.954)	168642	50.0000	43.02(M)
86 trans-1,4-dichloro-2-butene	53	12.233	12.233	(0.956)	51692	50.0000	48.25
87 Cyclohexanone	55	12.247	12.247	(1.122)	76972	500.000	389.9
88 4-Chlorotoluene	91	12.290	12.290	(1.647)	741568	50.0000	50.30
89 t-Butylbenzene	119	12.433	12.433	(0.972)	900812	50.0000	53.72
90 Pentachloroethane	167	12.455	12.455	(0.974)	143513	50.0000	53.36
91 1,2,4-Trimethylbenzene	105	12.483	12.483	(0.976)	926818	50.0000	51.89
92 sec-Butylbenzene	105	12.562	12.562	(0.982)	1192954	50.0000	52.38
93 4-Isopropyltoluene	119	12.662	12.662	(0.990)	938897	50.0000	54.25
94 1,3-Dichlorobenzene	146	12.741	12.741	(0.996)	420179	50.0000	49.28
* 95 1,4 Dichlorobenzene-d4	152	12.791	12.791	(1.000)	254858	50.0000	
96 1,4-Dichlorobenzene	146	12.805	12.805	(1.001)	435024	50.0000	46.55
98 n-Butylbenzene	91	12.977	12.977	(1.015)	980601	50.0000	51.05
99 1,2-Dichlorobenzene	146	13.120	13.120	(1.026)	404876	50.0000	48.80
145 Nonanal	57	13.670	13.670	(1.069)	120373	50.0000	60.34(A)
100 1,2-Dibromo-3-chloropropane	157	13.692	13.692	(1.070)	33691	50.0000	52.18
101 Hexachlorobutadiene	225	14.121	14.121	(1.104)	155741	50.0000	50.78
104 1,2,4-Trichlorobenzene	180	14.156	14.156	(1.107)	307799	50.0000	52.01
105 Naphthalene	128	14.385	14.385	(1.125)	660964	50.0000	49.14
106 1,2,3-Trichlorobenzene	180	14.521	14.521	(1.135)	278478	50.0000	49.93
M 107 Xylenes (total)	106				1183952	150.000	154.6

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D
Report Date: 12-Dec-2006 17:55

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FCAL0918.D
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Misc Info: VBLKF345A.B;

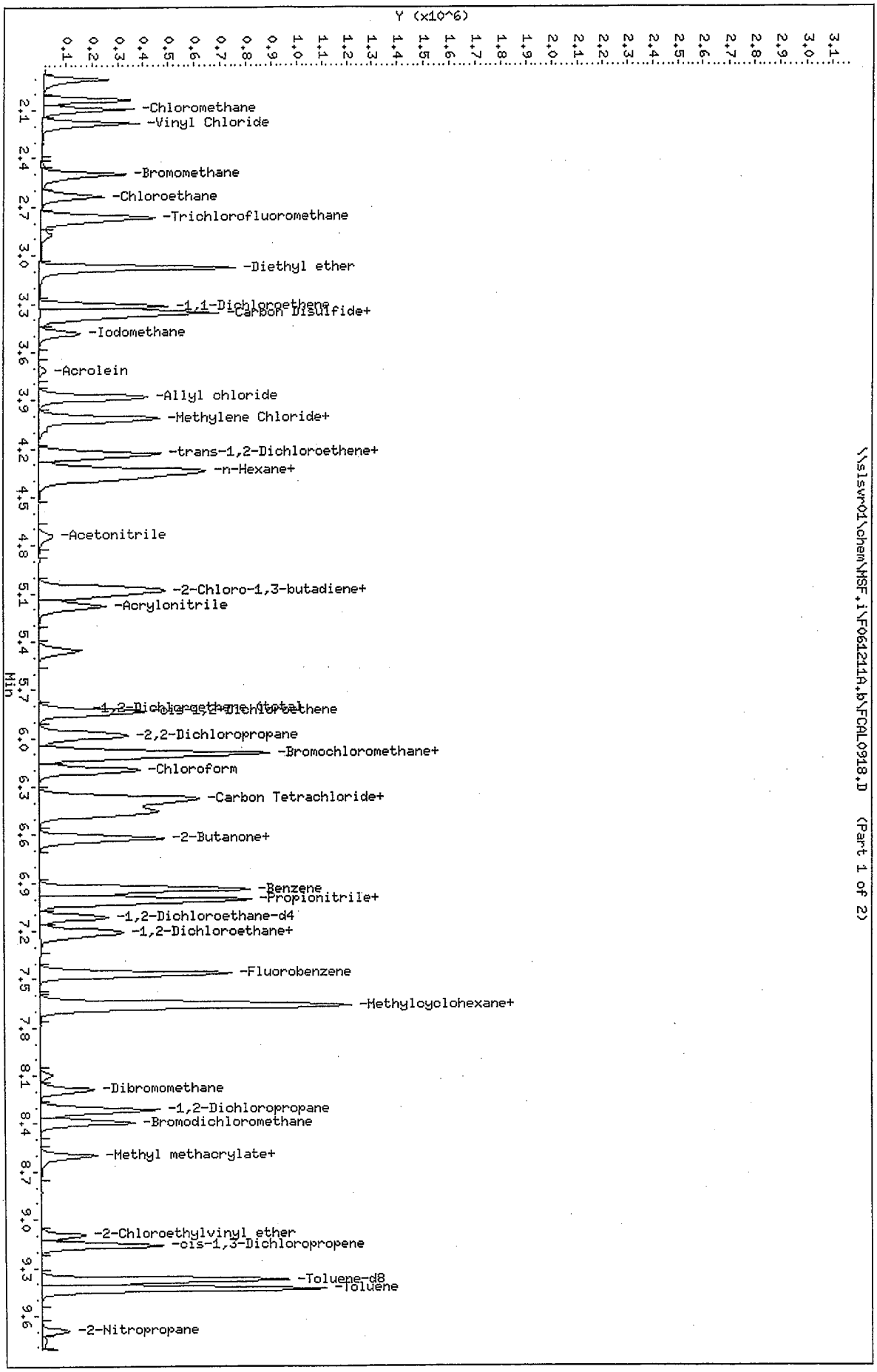
Calibration Date: 07-DEC-2006
Calibration Time: 15:42

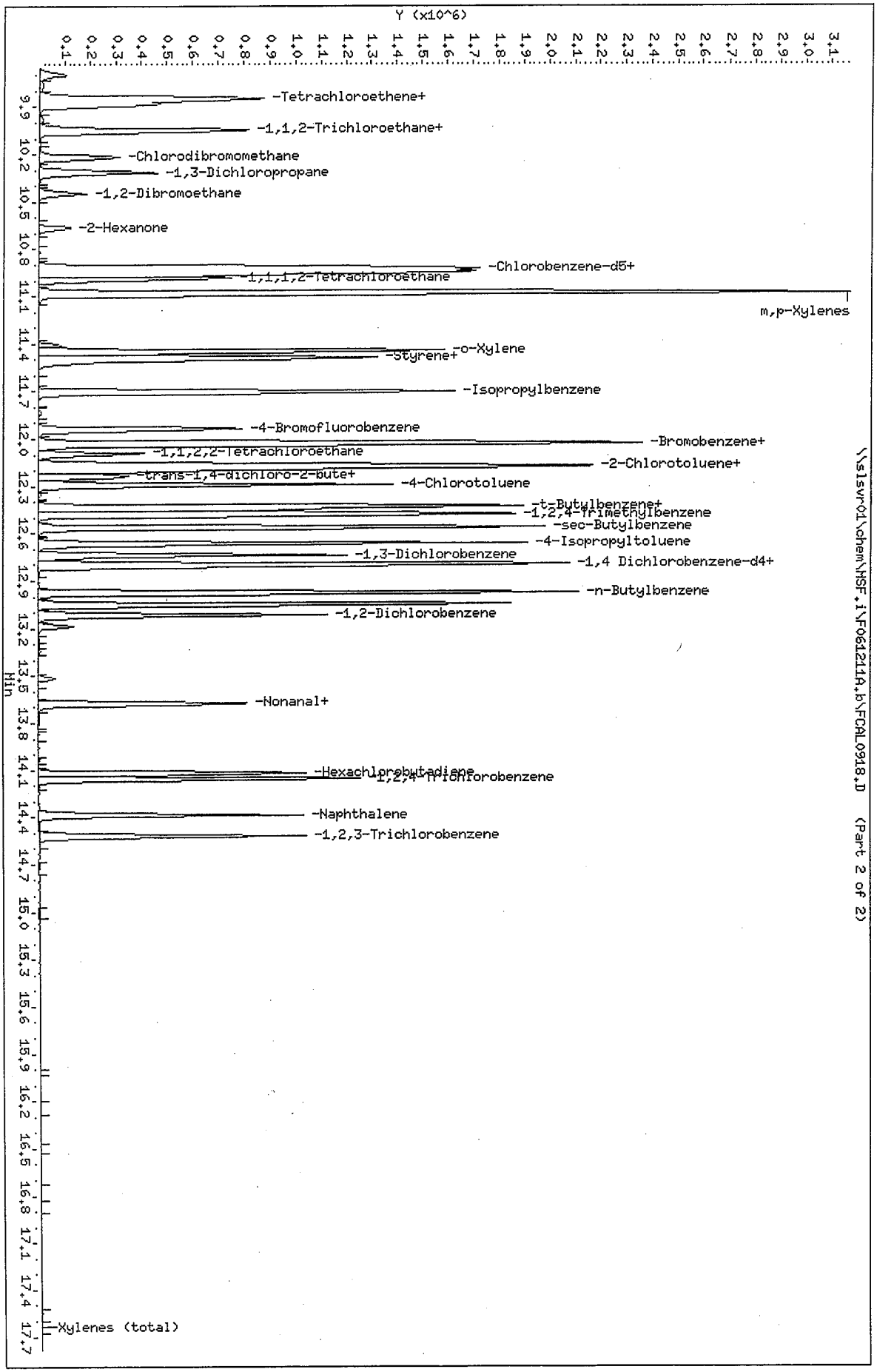
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	706088	353044	1412176	848592	20.18
70 Chlorobenzene-d5	427557	213779	855114	523983	22.55
95 1,4 Dichlorobenze	200765	100383	401530	254858	26.94

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	0.00
70 Chlorobenzene-d5	10.92	10.42	11.42	10.92	0.00
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.


Data File: \\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D
Date : 11-DEC-2006 14:54
Client ID:
Sample Info: VSTD050;F061211A.B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF.i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D (Part 1 of 2)
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Diethyl ether
-1,1-Dichloroethene
-Carbon Disulfide+
-Iodomethane
-Acrolein
-Allyl chloride
-Methylene Chloride+
-trans-1,2-Dichloroethene+
-n-Hexane+
-Acetonitrile
-2-Chloro-1,3-butadiene+
-Acrylonitrile
-1,2-Dichloroethene (total)
-cis-1,2-Dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Chloroform
-Carbon Tetrachloride+
-2-Butanone+
-Benzene
-Propionitrile+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Methylcyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl methacrylate+
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-2-Nitropropane

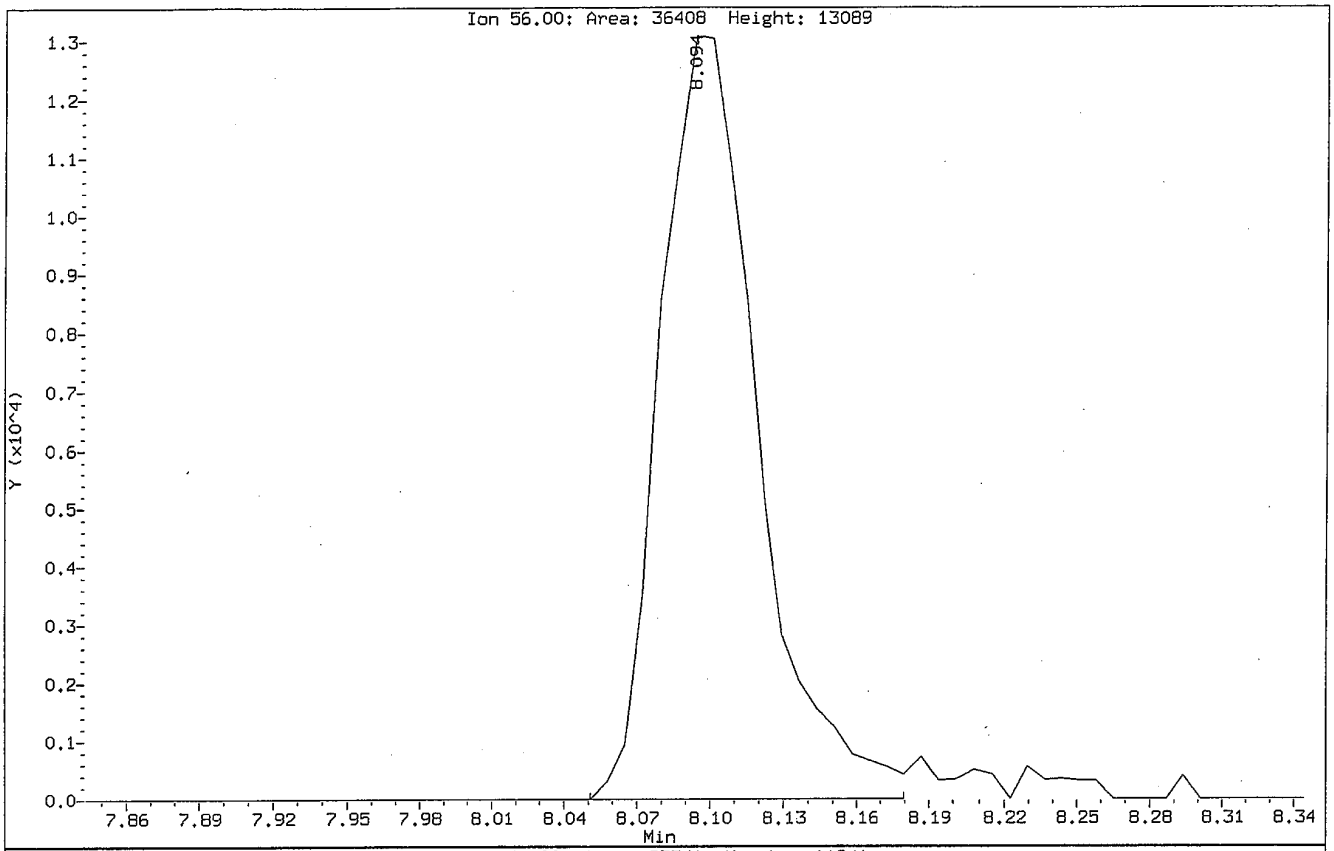

Data File: \\slsvr01\chem\MSF,i\F061211A,b\FCAL0918,D
Date : 11-DEC-2006 14:54
Client ID:
Sample Info: VSTD050;F061211A,B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF,i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF,i\F061211A,b\FCAL0918,D (Part 2 of 2)
Y (x10^6)
Min
-Tetrachloroethene+
-1,1,2-Trichloroethane+
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane
m,p-Xylenes
-o-Xylene
-Styrene+
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-2-Chlorotoluene+
-trans-1,4-dichloro-2-bute+
-4-Chlorotoluene
-t-Butylbenzene+
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
-1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-Nonanal+
-Hexachlorobutadiene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
-Xylenes (total)

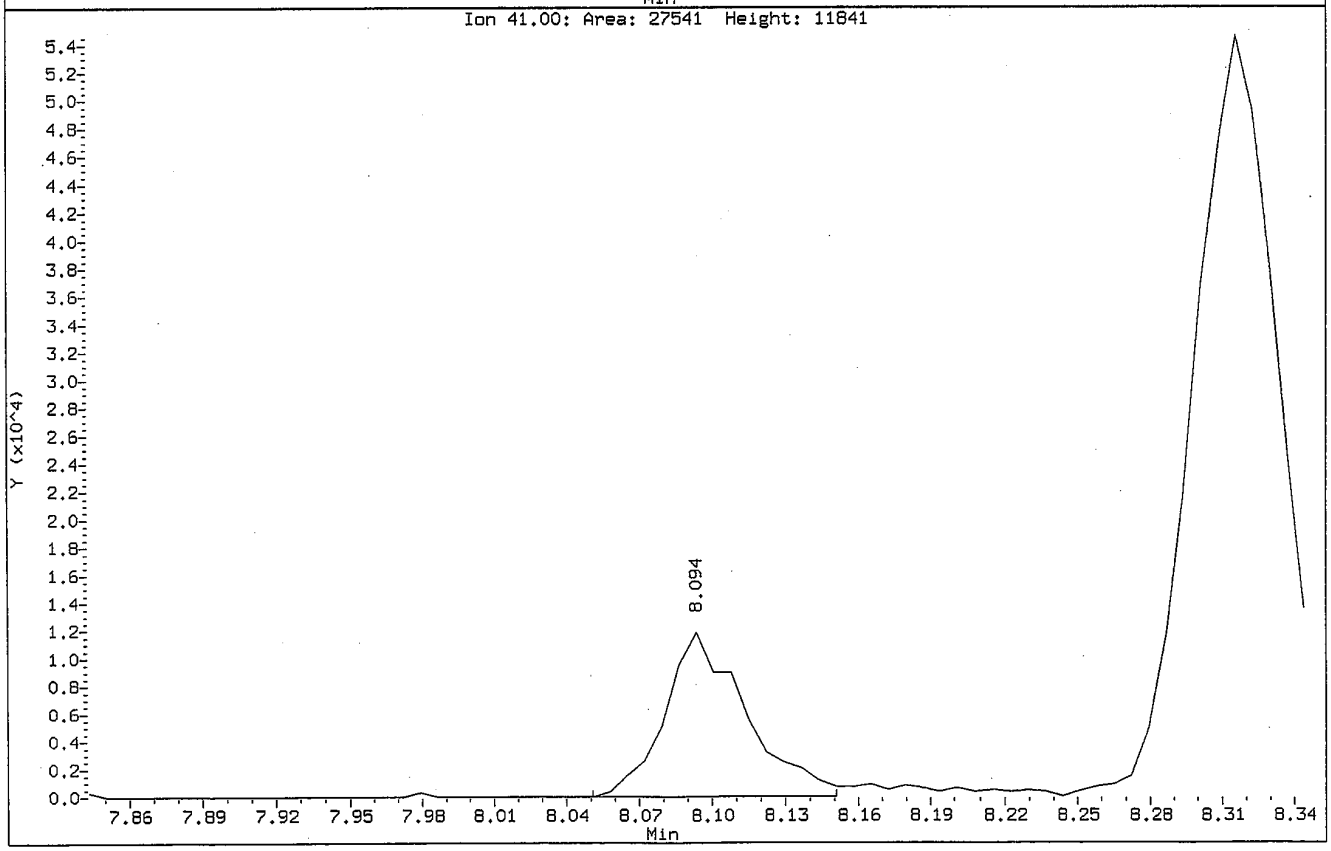
Data File: \\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D
Injection Date: 11-DEC-2006 14:54
Instrument: MSF.i
Client Sample ID:

Compound: n-Butanol
CAS Number: 71-36-3

JMK 12-12-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



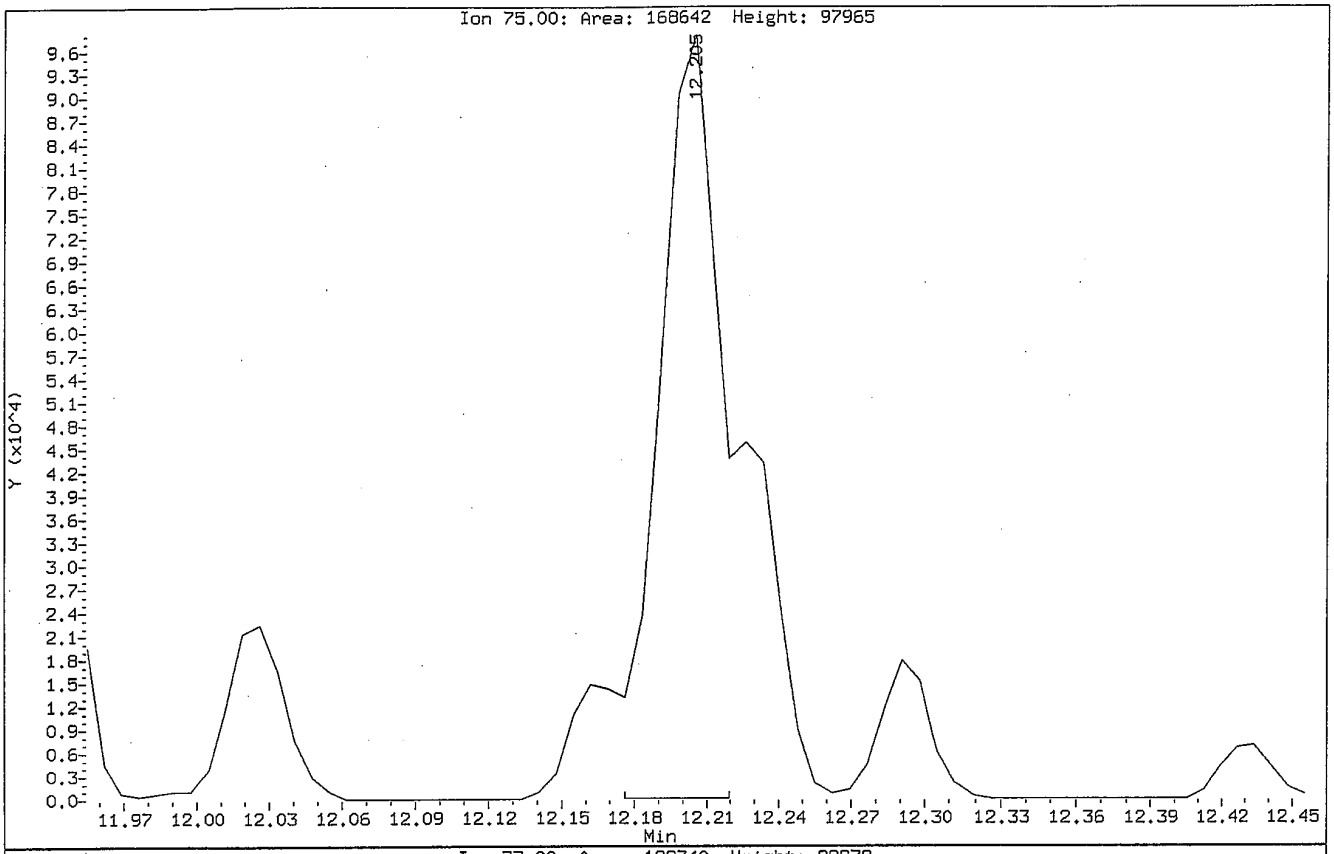


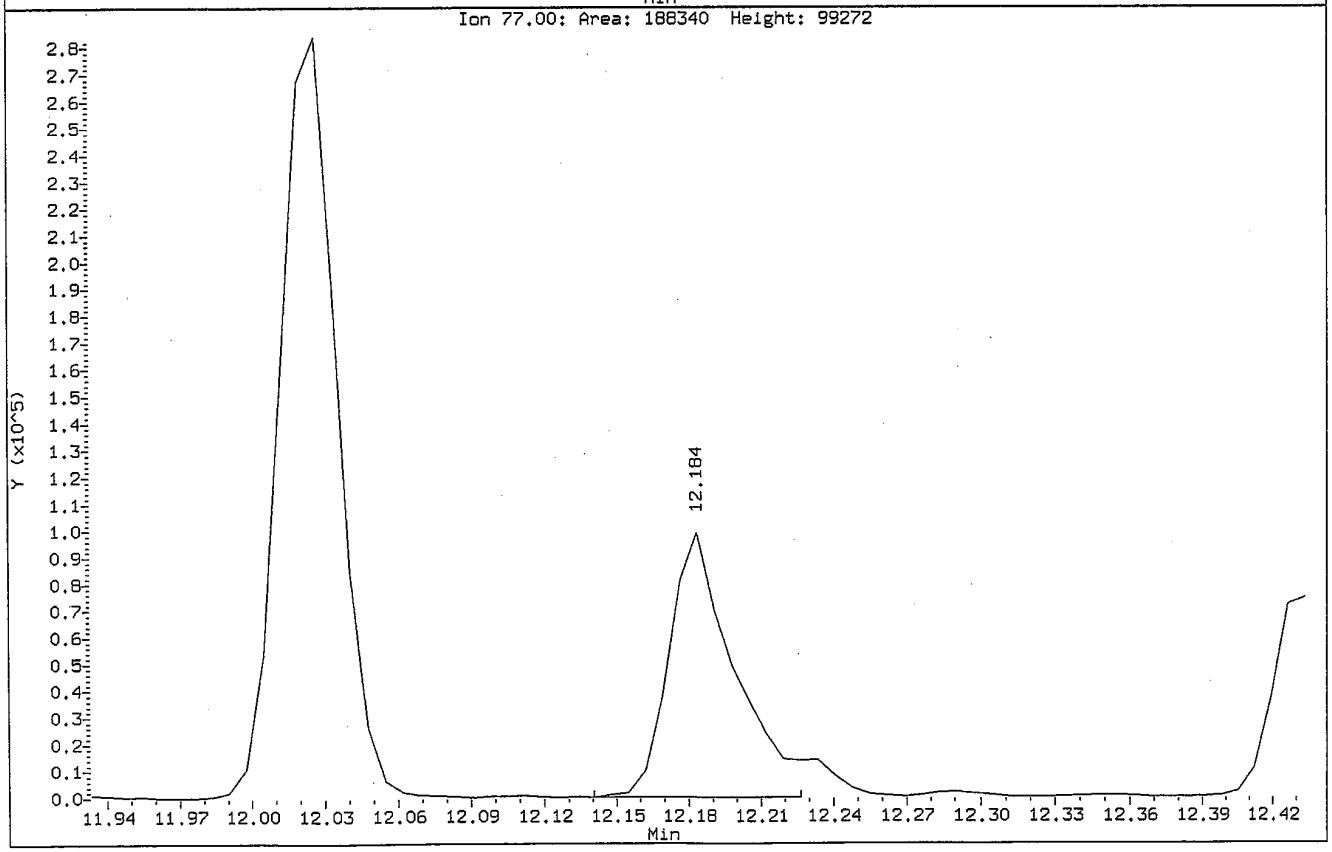
Data File: \\slsvr01\chem\MSF.i\F061211A.b\FCAL0918.D
Injection Date: 11-DEC-2006 14:54
Instrument: MSF.i
Client Sample ID:

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4

JMK 12-12-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____





GC/MS RAW SAMPLE DATA

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4260.D
Report Date: 01-Dec-2006 12:06

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GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4260.D
Lab Smp Id: JKE9P1AC Client Smp ID: B1LB37
Inj Date : 30-NOV-2006 23:44
Operator : TM Inst ID: MSG.i
Smp Info : JKE9P1AC;G061130B.b
Misc Info : VBLKG334B.B; F6K280244-001;6335214
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Meth Date : 30-Nov-2006 15:12 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 23:10 Cal File: GCAL4175.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H2O.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
33 Chloroform	83	7.997	7.911	(0.789)	379651	13.9226	13.92
$ 36 Dibromofluoromethane	113	8.414	8.328	(0.830)	1156073	53.5503	53.55
42 Carbon Tetrachloride	117	9.301	9.232	(0.918)	34187784	1849.90	1850(A)
$ 43 1,2-Dichloroethane-d4	67	9.440	9.354	(0.931)	349840	49.2399	49.24
* 48 Fluorobenzene	96	10.136	10.049	(1.000)	2510051	50.0000	
49 Trichloroethene	130	11.022	10.953	(1.087)	111013	6.40324	6.403
$ 61 Toluene-d8	98	14.065	13.996	(0.764)	2481669	52.9688	52.97
62 Toluene	91	14.291	14.205	(0.776)	11468	0.21386	0.2138(a)
68 Tetrachloroethene	164	16.100	16.013	(0.874)	11504	0.63913	0.6391(a)
* 71 Chlorobenzene-d5	117	18.412	18.360	(1.000)	1927602	50.0000	
$ 83 4-Bromofluorobenzene	95	22.376	22.273	(0.901)	1584210	49.0769	49.08
* 97 1,4 Dichlorobenzene-d4	152	24.845	24.794	(1.000)	983516	50.0000	

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.

TR 12-1-06

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4260.D
Report Date: 01-Dec-2006 12:06

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GSMP4260.D
Lab Smp Id: JKE9P1AC
Analysis Type: VOA
Quant Type: ISTD
Operator: TM
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B; F6K280244-001;6335214

Calibration Date: 30-NOV-2006
Calibration Time: 14:36
Client Smp ID: B1LB37
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3061626	1530813	6123252	2510051	-18.02
71 Chlorobenzene-d5	2276877	1138439	4553754	1927602	-15.34
97 1,4 Dichlorobenze	1255220	627610	2510440	983516	-21.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.05	9.55	10.55	10.14	0.86
71 Chlorobenzene-d5	18.36	17.86	18.86	18.41	0.28
97 1,4 Dichlorobenze	24.79	24.29	25.29	24.85	0.21

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4260.D
Report Date: 01-Dec-2006 12:06

STL St. Louis

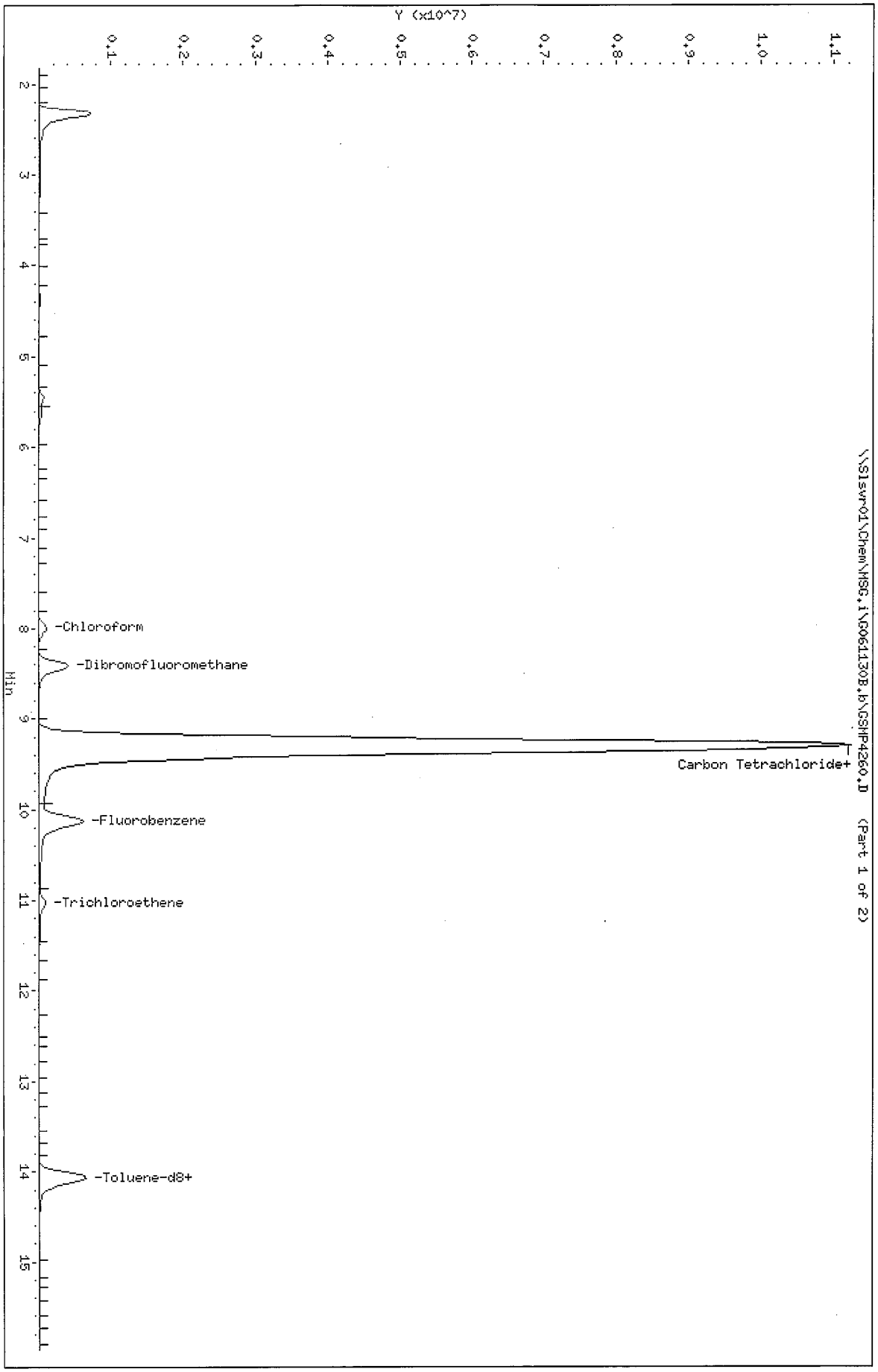
RECOVERY REPORT

Client Name: Vista Engineering Te28-NOV-2006 00:00 Client SDG: W05057
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: JKE9P1AC Client Smp ID: B1LB37
Level: LOW Operator: TM
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: soilms.spk Quant Type: ISTD
Sublist File: H2O.sub
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B; F6K280244-001;6335214

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 36 Dibromofluorometha	50.00	53.55	107.10	79-132
$ 43 1,2-Dichloroethane	50.00	49.24	98.48	71-138
$ 61 Toluene-d8	50.00	52.97	105.94	75-136
$ 83 4-Bromofluorobenze	50.00	49.08	98.15	75-132

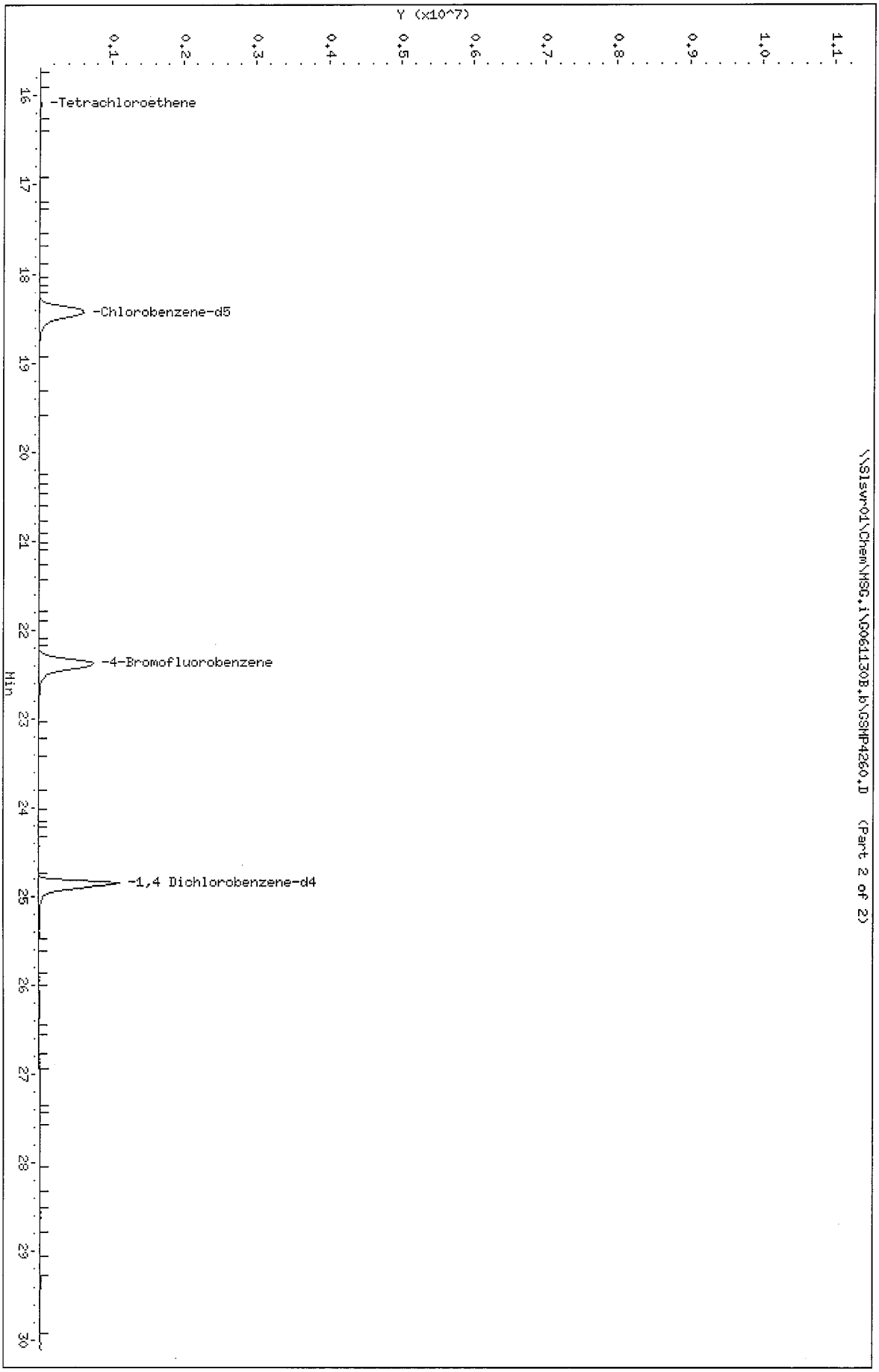
Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSHP4260.D
Date : 30-NOV-2006 23:44
Client ID: B1LB37
Sample Info: JKE9P1AC:G061130B.b
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: MSG.i
Operator: TM
Column diameter: 0.53



Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSHP4260.D
Date : 30-NOV-2006 23:44
Client ID: B1LB37
Sample Info: JKE9P1AC;G061130B.b
Purge Volume: 5.0
Column phase: RTX-502.2

Instrument: MSG.i
Operator: TM
Column diameter: 0.53



Data File: \\Slswr01\Chem\MSG.i\G061130B.b\GSMP4260.D

Date : 30-NOV-2006 23:44

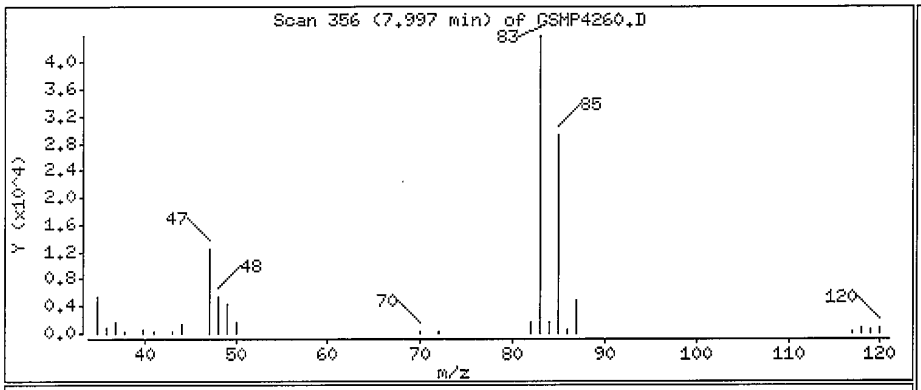
Client ID: B1LB37 Instrument: MSG.i

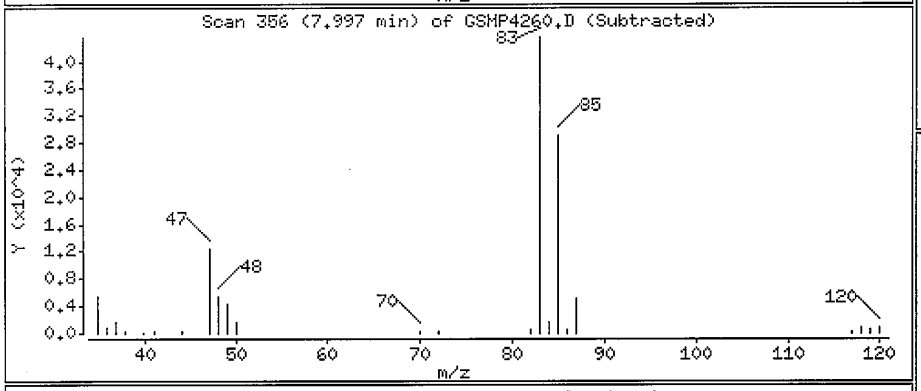
Sample Info: JKE9P1AC;G061130B.b

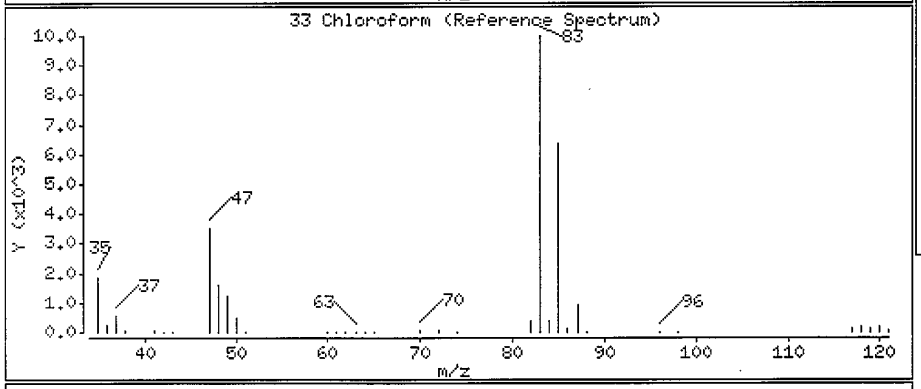
Purge Volume: 5.0 Operator: TM

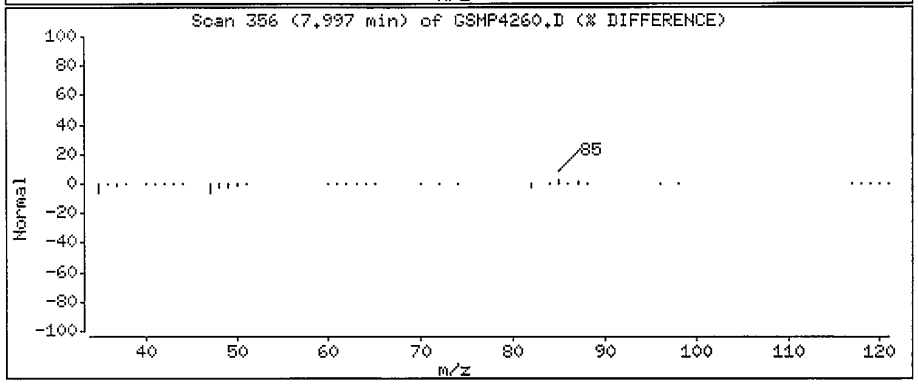
Column phase: RTX-502.2 Column diameter: 0.53

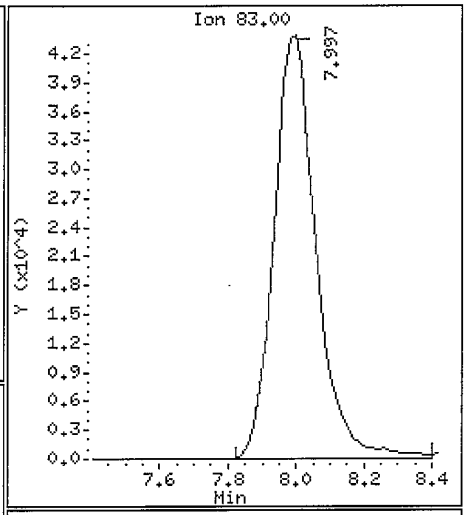
33 Chloroform Concentration: 13.92 ug/L

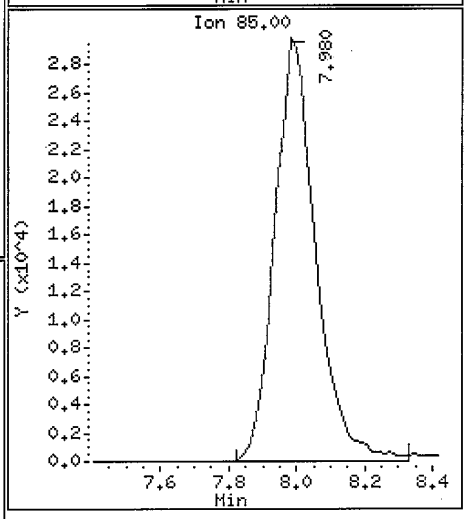












Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4260.D

Date : 30-NOV-2006 23:44

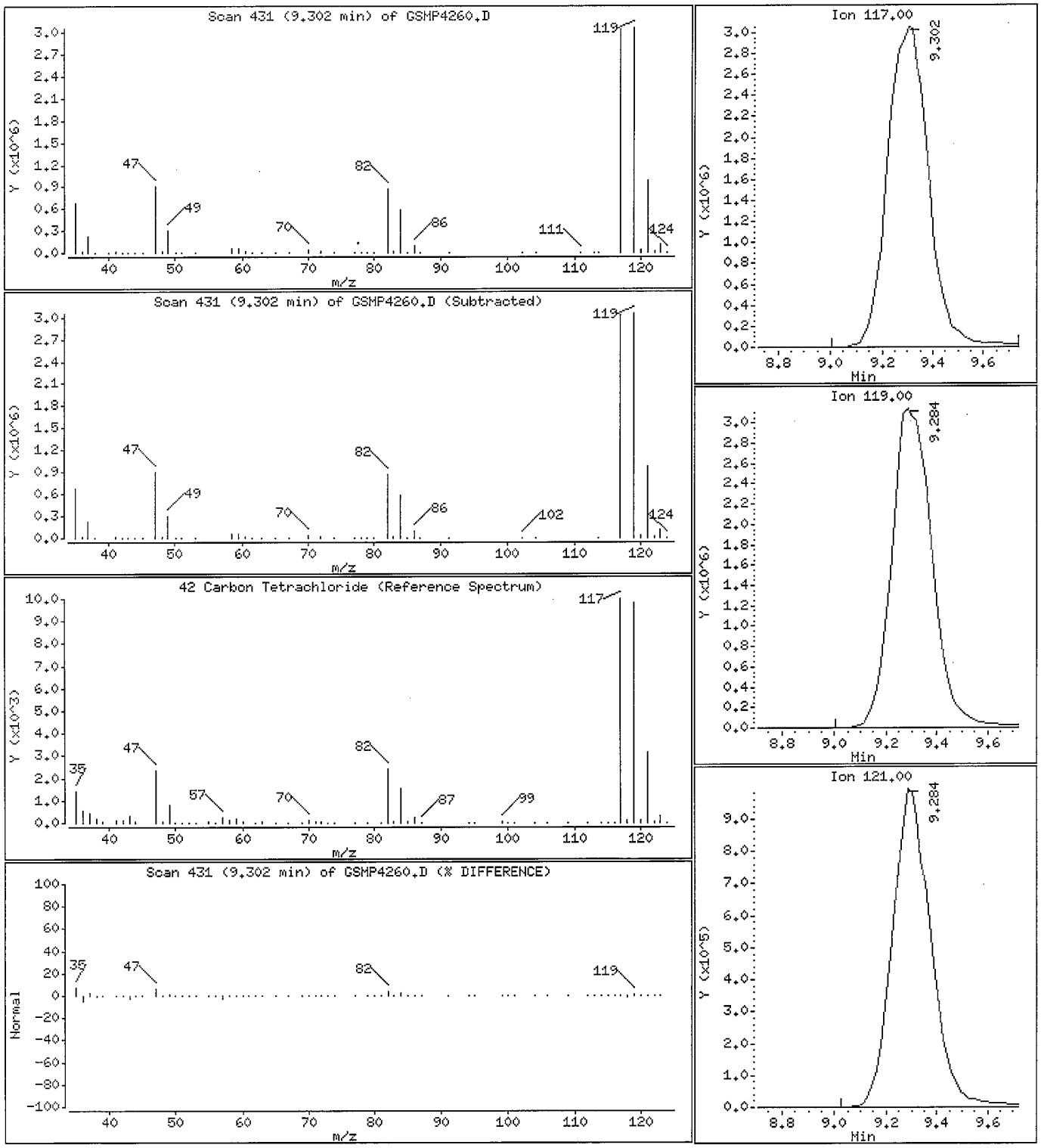
Client ID: B1LB37 | Instrument: MSG.i

Sample Info: JKE9P1AC;G061130B.b

Purge Volume: 5.0 | Operator: TM

Column phase: RTX-502.2 | Column diameter: 0.53

42 Carbon Tetrachloride | Concentration: 1850 ug/L



Data File: \\Slswr01\Chem\MSG.i\G061130B.b\GSMP4260.D

Date : 30-NOV-2006 23:44

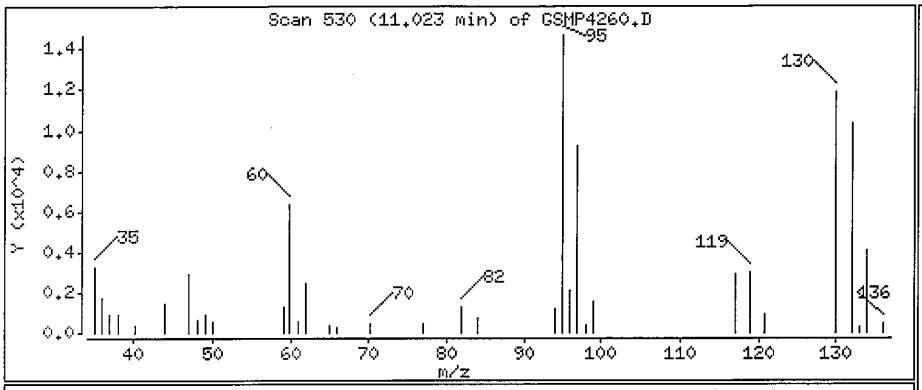
Client ID: B1LB37 | Instrument: MSG.i

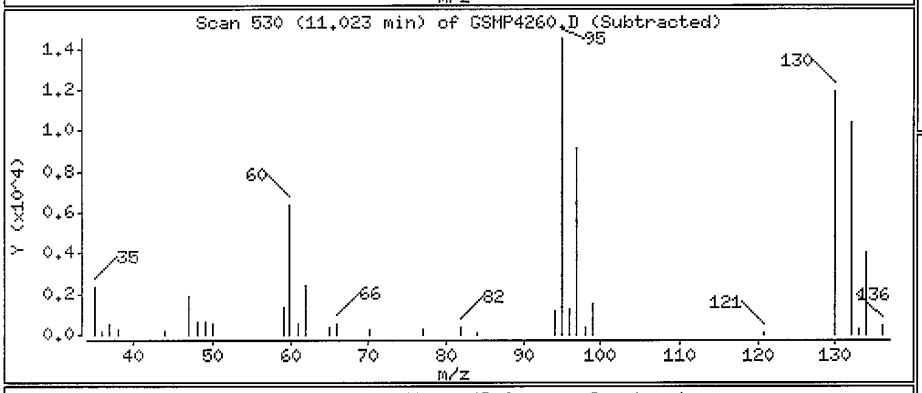
Sample Info: JKE9P1AC;G061130B.b

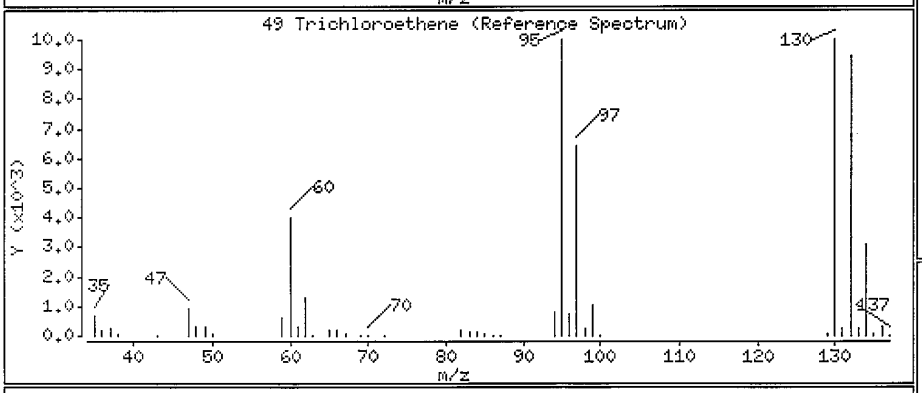
Purge Volume: 5.0 | Operator: TM

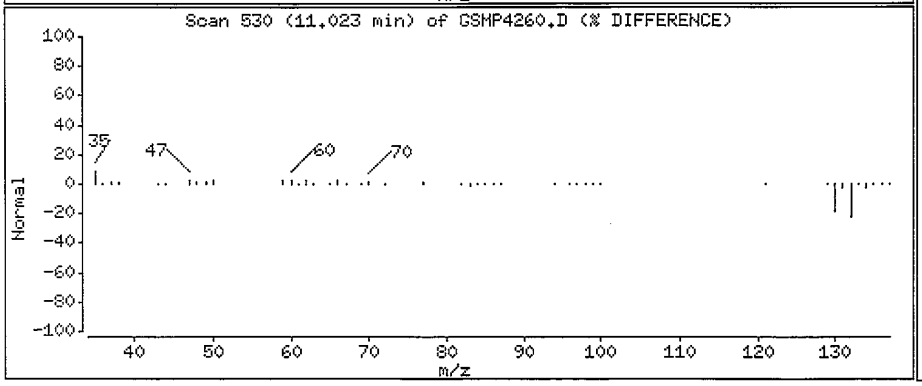
Column phase: RTX-502.2 | Column diameter: 0.53

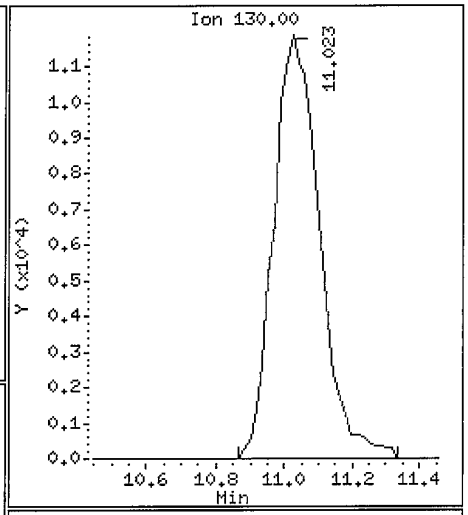
49 Trichloroethene | Concentration: 6.403 ug/L

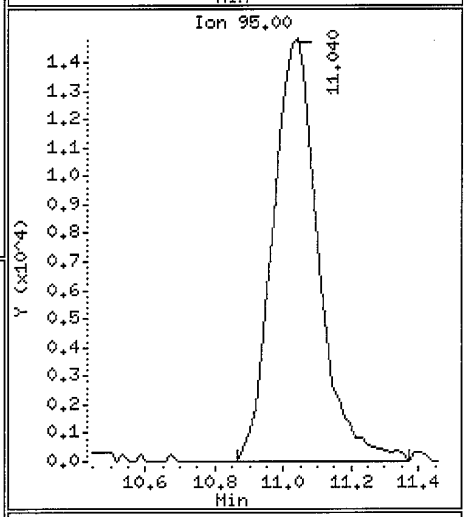


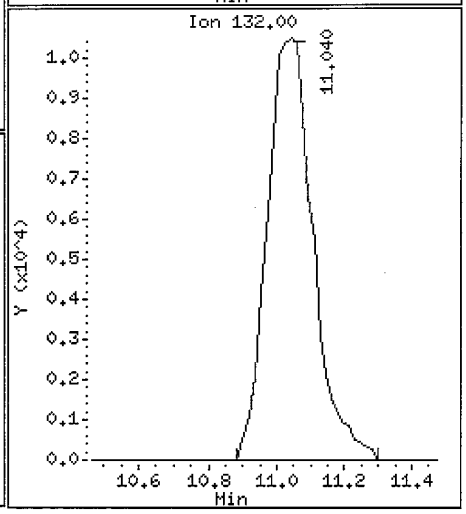












Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4260.D

Date : 30-NOV-2006 23:44

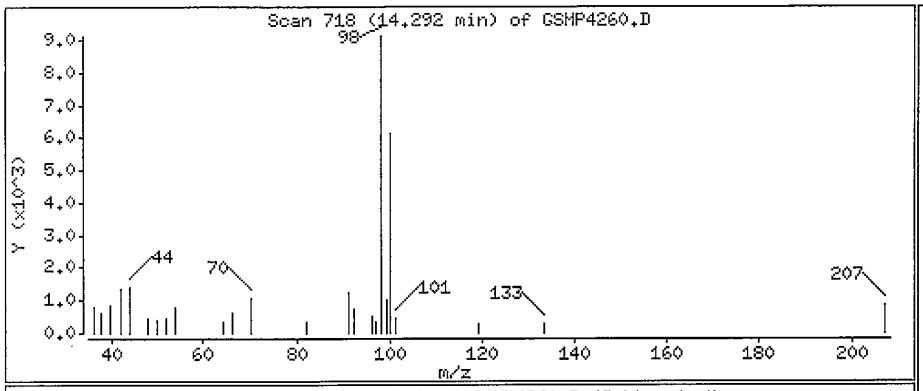
Client ID: B1LB37 Instrument: MSG.i

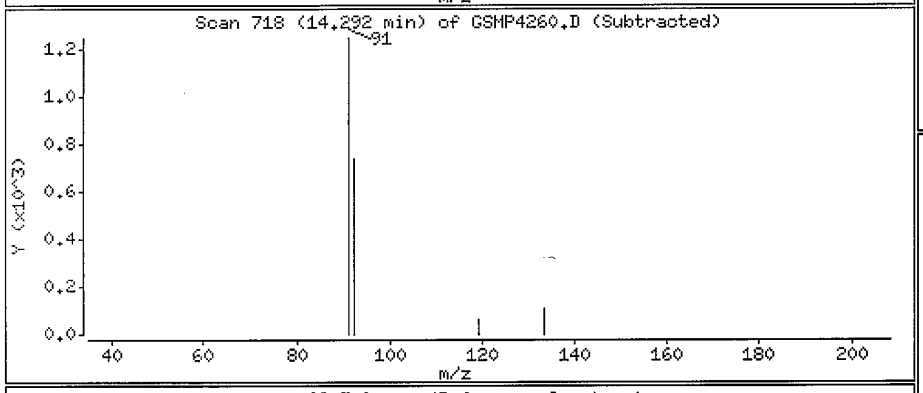
Sample Info: JKE9P1AC;G061130B.b

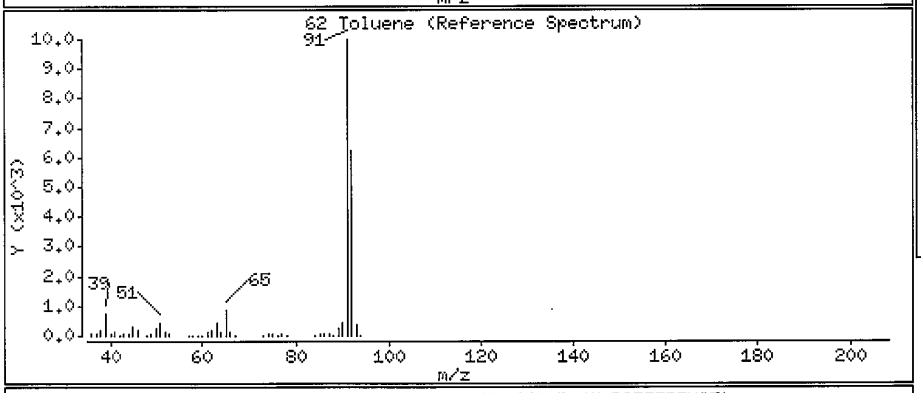
Purge Volume: 5.0 Operator: TM

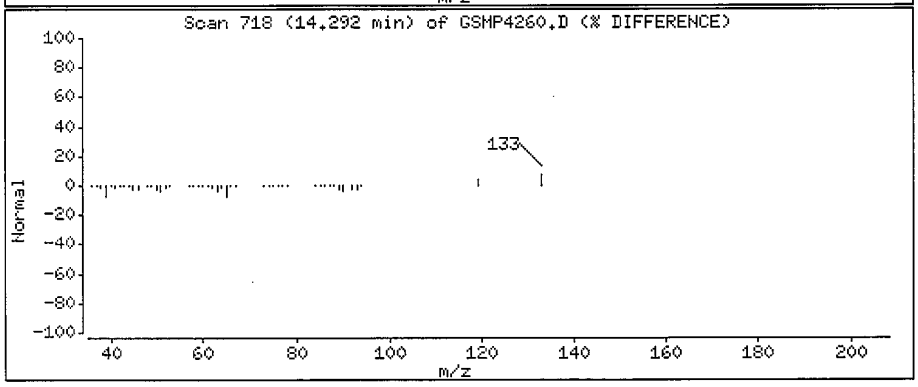
Column phase: RTX-502.2 Column diameter: 0.53

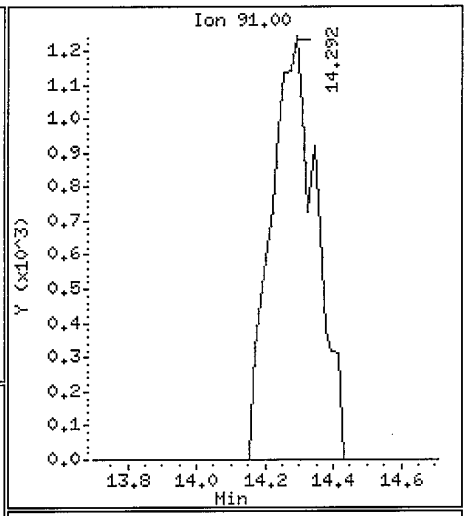
62 Toluene Concentration: 0.2138 ug/L

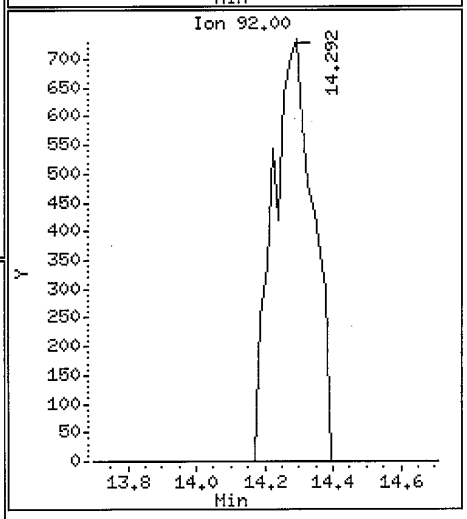












Data File: \\Slswr01\Chem\MSG.i\G061130B.b\GSMP4260.D

Date : 30-NOV-2006 23:44

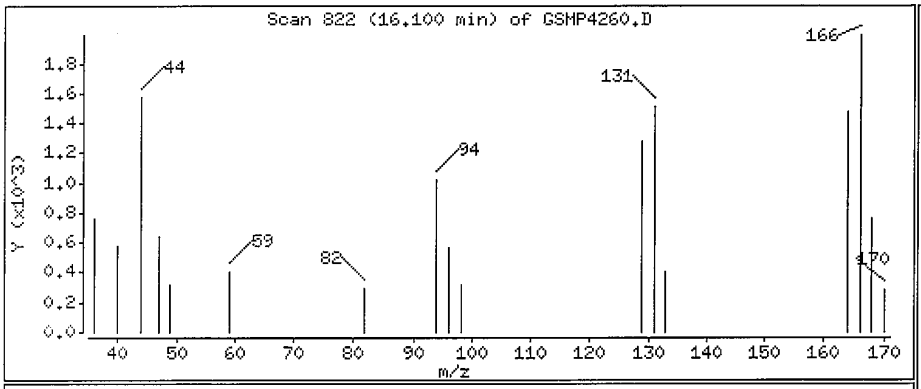
Client ID: B1LB37 | Instrument: MSG.i

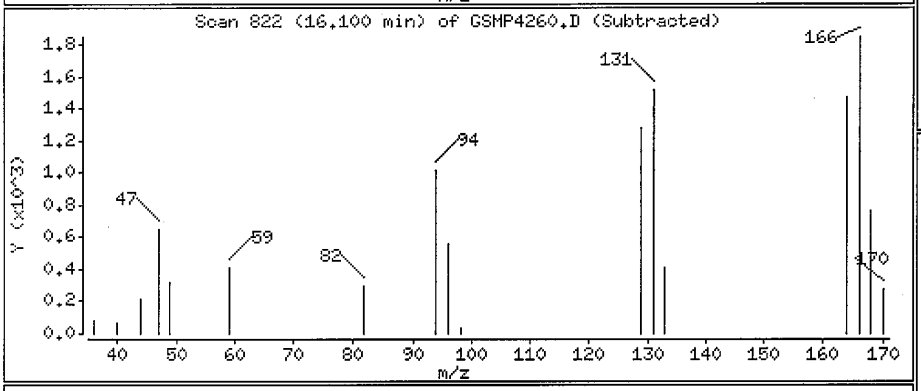
Sample Info: JKE9P1AC;G061130B.b

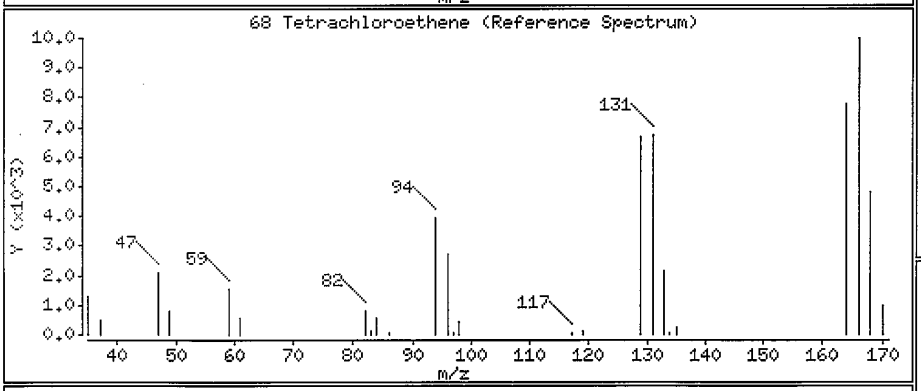
Purge Volume: 5.0 | Operator: TM

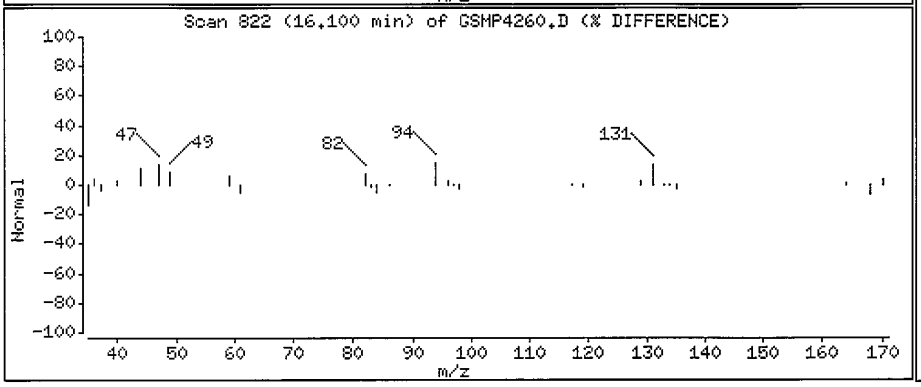
Column phase: RTX-502.2 | Column diameter: 0.53

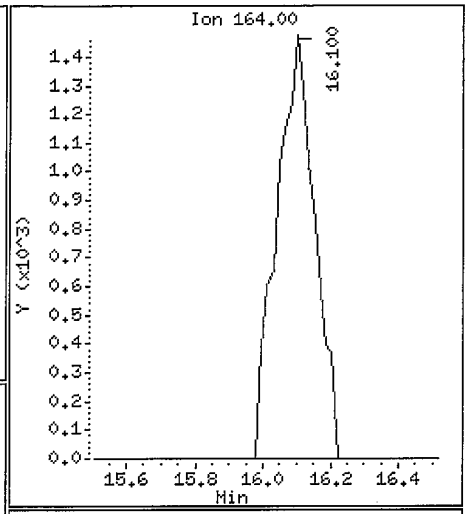
68 Tetrachloroethene | Concentration: 0.6391 ug/L

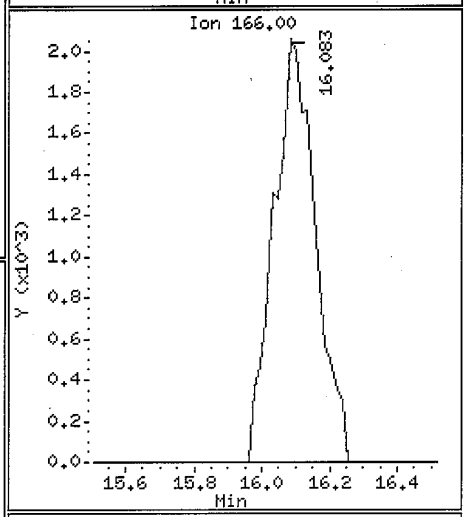


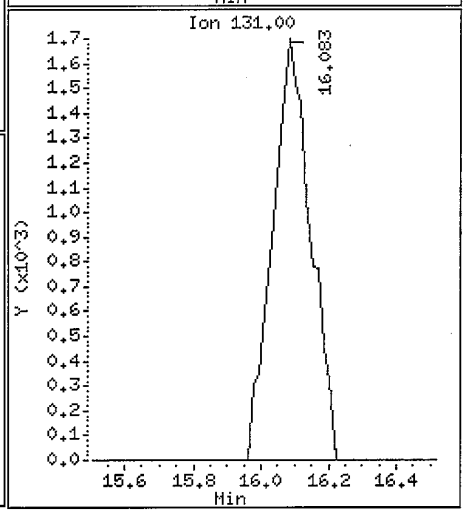












Data File: \\slsvr01\chem\MSF.i\F061211A.b\FSMP0928.D
Report Date: 12-Dec-2006 17:56

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061211A.b\FSMP0928.D
Lab Smp Id: JKE9P2AC Client Smp ID: B1LB37
Inj Date : 11-DEC-2006 19:12
Operator : JDH Inst ID: MSF.i
Smp Info : JKE9P2AC;F061211A.B
Misc Info : VBLKF345A.B; F6K280244-001; 0.25mls; 20X
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Meth Date : 11-Dec-2006 18:12 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 16:31 Cal File: FCAL0867.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	0.25000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15 Methylene Chloride	84	4.019	4.018	(0.538)	31610	1.26105	25.22(a)
31 Chloroform	83	6.193	6.198	(0.830)	4332	0.73896	14.78(a)
32 Carbon Tetrachloride	117	6.372	6.370	(0.853)	507815	119.720	2394
$ 35 Dibromofluoromethane	113	6.436	6.434	(0.862)	140802	55.7021	1114
$ 43 1,2-Dichloroethane-d4	65	7.108	7.114	(0.952)	197059	59.1306	1183
* 46 Fluorobenzene	96	7.466	7.464	(1.000)	567082	50.0000	
$ 57 Toluene-d8	98	9.375	9.380	(0.859)	498283	53.4089	1068
* 70 Chlorobenzene-d5	117	10.919	10.917	(1.000)	332364	50.0000	
$ 79 4-Bromofluorobenzene	95	11.942	11.940	(0.933)	178984	53.6632	1073
* 95 1,4 Dichlorobenzene-d4	152	12.793	12.791	(1.000)	159435	50.0000	

QC Flag Legend

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

JMK 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FSMP0928.D
Report Date: 12-Dec-2006 17:56

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FSMP0928.D
Lab Smp Id: JKE9P2AC
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Misc Info: VBLKF345A.B; F6K280244-001; 0.25mls; 20X

Calibration Date: 11-DEC-2006
Calibration Time: 14:54
Client Smp ID: B1LB37
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	848592	424296	1697184	567082	-33.17
70 Chlorobenzene-d5	523983	261992	1047966	332364	-36.57
95 1,4 Dichlorobenze	254858	127429	509716	159435	-37.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.47	0.03
70 Chlorobenzene-d5	10.92	10.42	11.42	10.92	0.02
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

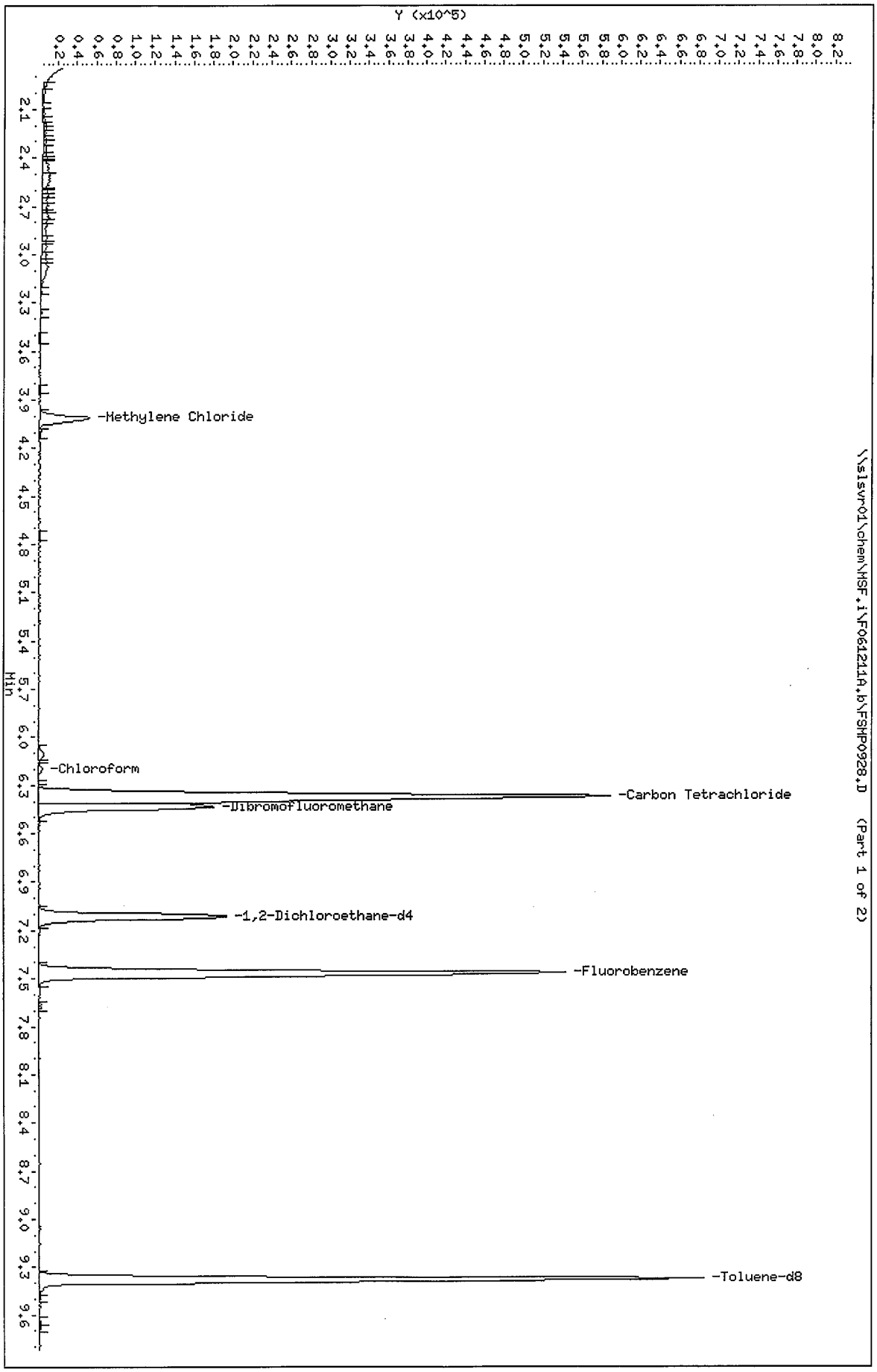
Data File: \\slsvr01\chem\MSF.i\F061211A.b\FSMP0928.D
Report Date: 12-Dec-2006 17:56

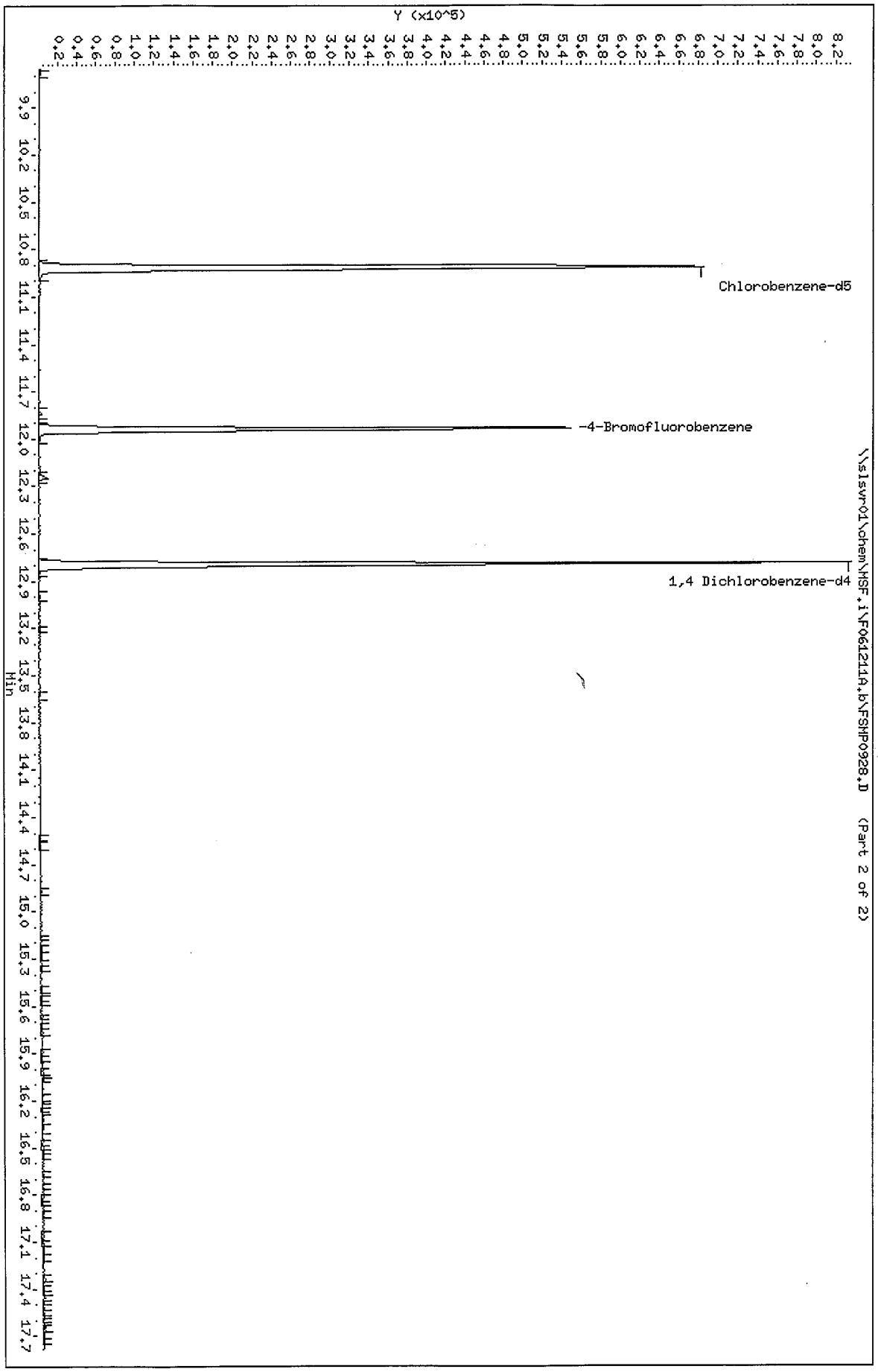
STL St. Louis

RECOVERY REPORT

Client Name: Vista Engineering Te28-NOV-2006 00:00 Client SDG: W05057
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: JKE9P2AC Client Smp ID: B1LB37
Level: LOW Operator: JDH
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: H20MS.spk Quant Type: ISTD
Sublist File: all.sub
Method File: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Misc Info: VBLKF345A.B; F6K280244-001; 0.25mls; 20X

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 35 Dibromofluorometha	1000	1114	111.40	82-128
$ 43 1,2-Dichloroethane	1000	1183	118.26	72-136
$ 57 Toluene-d8	1000	1068	106.82	75-138
$ 79 4-Bromofluorobenze	1000	1073	107.33	76-130


Data File: \\slsvr01\chem\MSF.i\F061211A.b\FSMP0928.D
Date : 11-DEC-2006 19:12
Client ID: B1LB37
Sample Info: JKE9P2AC;F061211A,B
Purge Volume: 0.3
Column phase: Rtx-VMS
Instrument: MSF.i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF.i\F061211A.b\FSMP0928.D (Part 1 of 2)
Y (x10^5)
Min
-Methylene Chloride
-Chloroform
-Carbon Tetrachloride
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8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Date : 11-DEC-2006 19:12
Client ID: B1LB37
Sample Info: JKE9P2AC;F061211A,B
Purge Volume: 0.3
Column phase: Rtx-VMS
Instrument: MSF.i
Operator: JDH
Column diameter: 0.25
Y (x10^5)
Chlorobenzene-d5
-4-Bromofluorobenzene
1,4 Dichlorobenzene-d4
\\slsvr01\chem\MSF.i\F061211A.b\FSMP0928.D (Part 2 of 2)
Min

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FSMP0928.D

Date : 11-DEC-2006 19:12

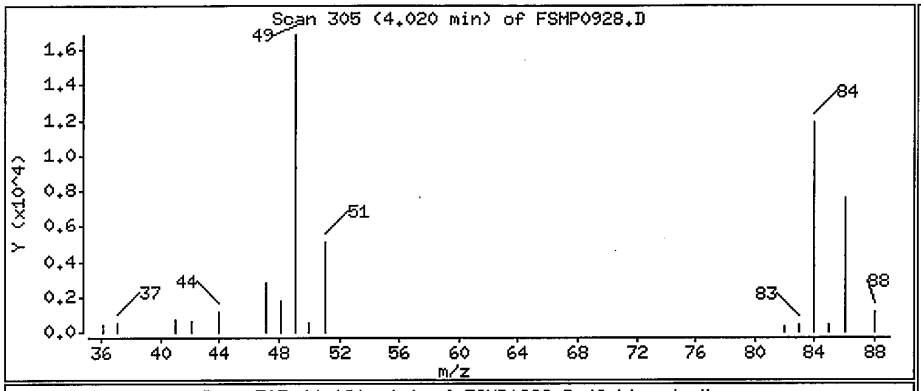
Client ID: B1LB37 Instrument: MSF.i

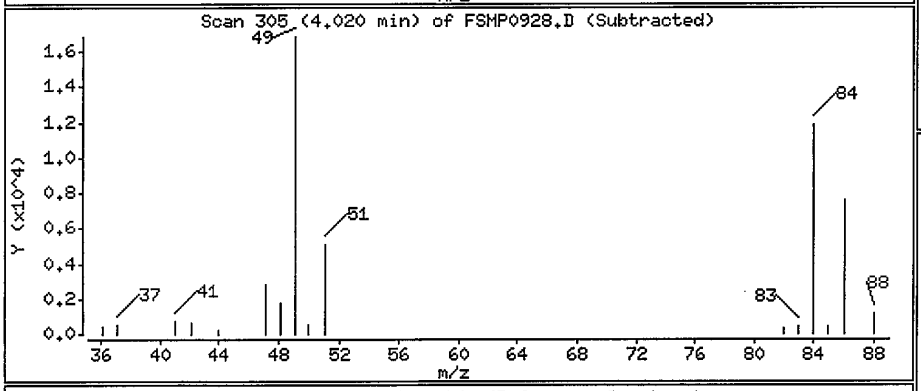
Sample Info: JKE9P2AC;F061211A.B

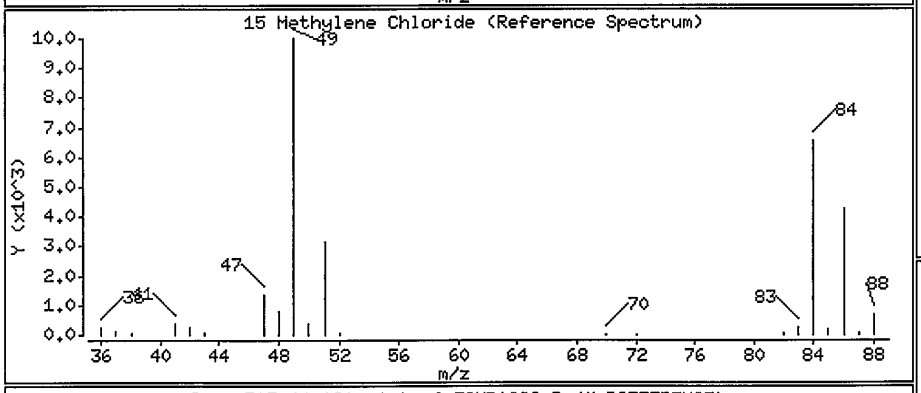
Purge Volume: 0.3 Operator: JDH

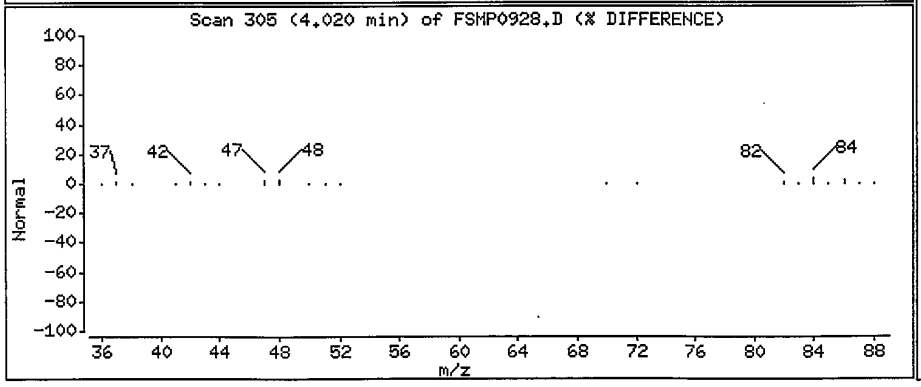
Column phase: Rtx-VMS Column diameter: 0.25

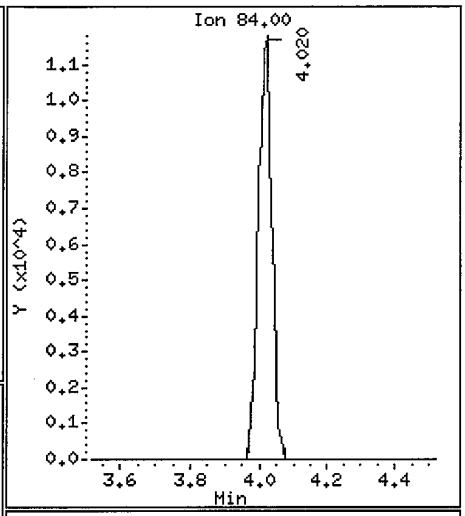
15 Methylene Chloride Concentration: 25.22 ug/L

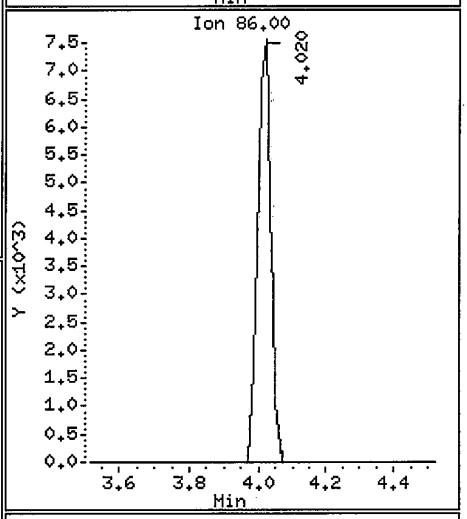


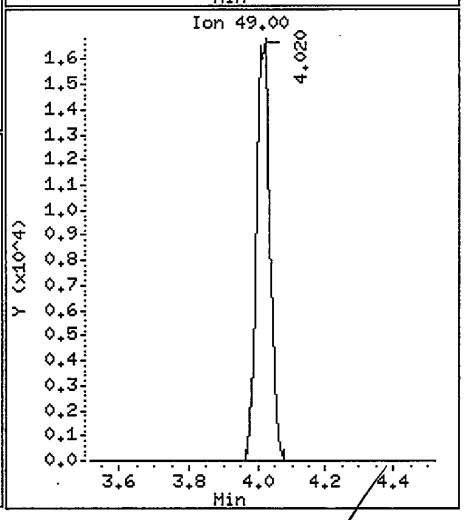












Data File: \\slsvr01\chem\MSF.i\F061211A.b\FSMP0928.D

Date : 11-DEC-2006 19:12

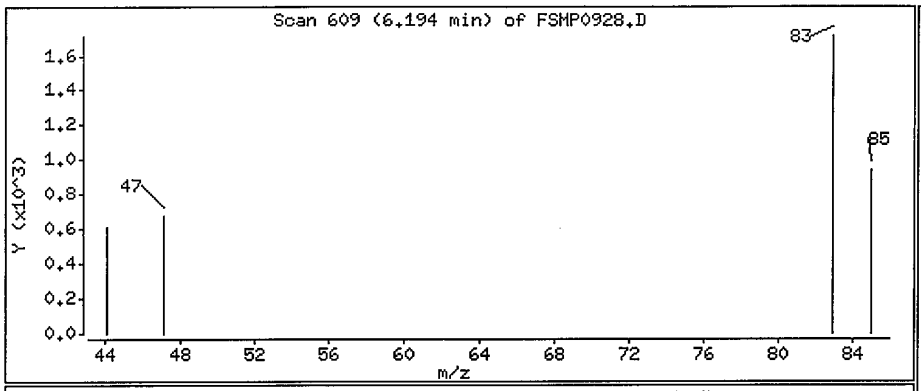
Client ID: B1LB37 Instrument: MSF.i

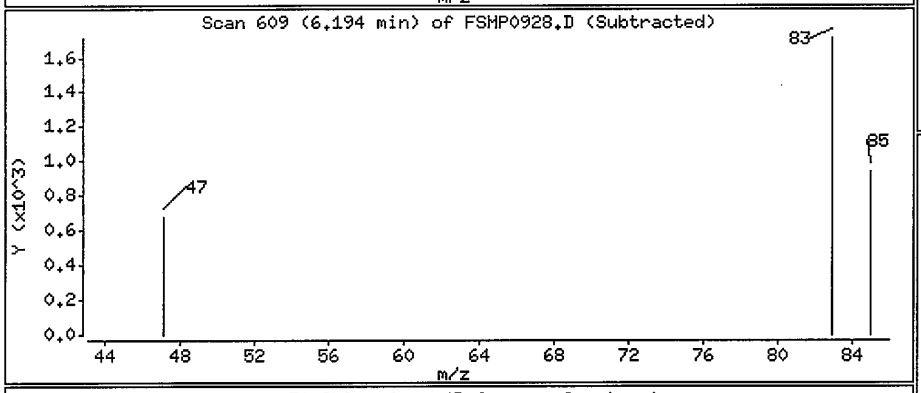
Sample Info: JKE9P2AC;F061211A.B

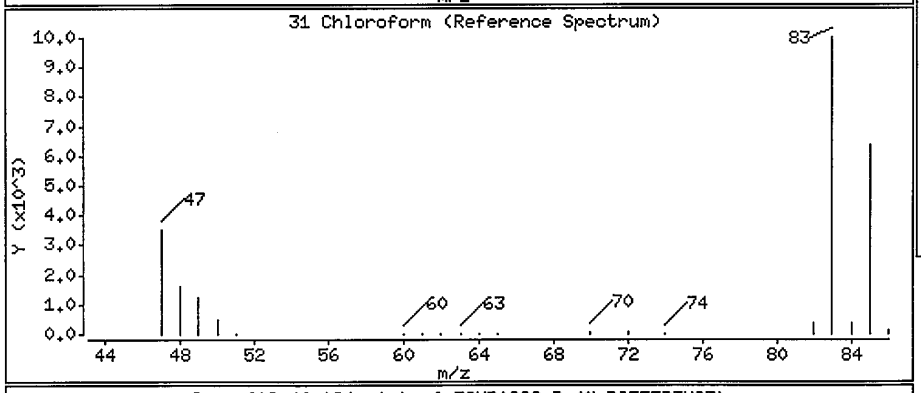
Purge Volume: 0.3 Operator: JDH

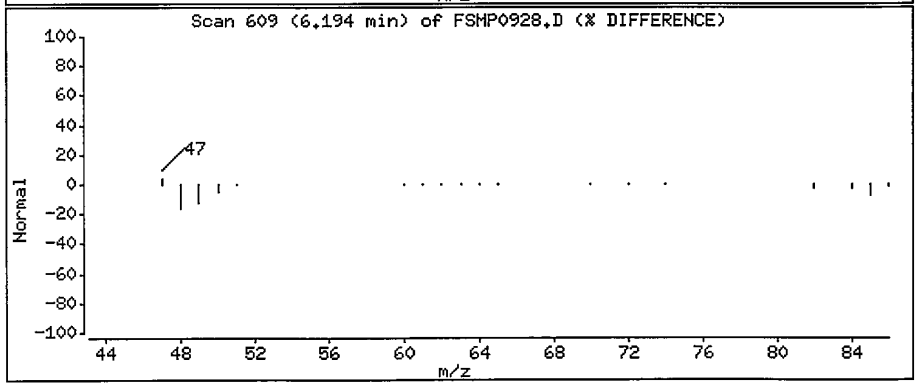
Column phase: Rtx-VMS Column diameter: 0.25

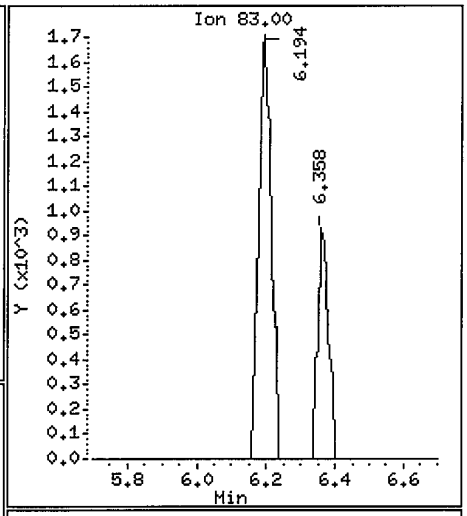
31 Chloroform Concentration: 14.78 ug/L

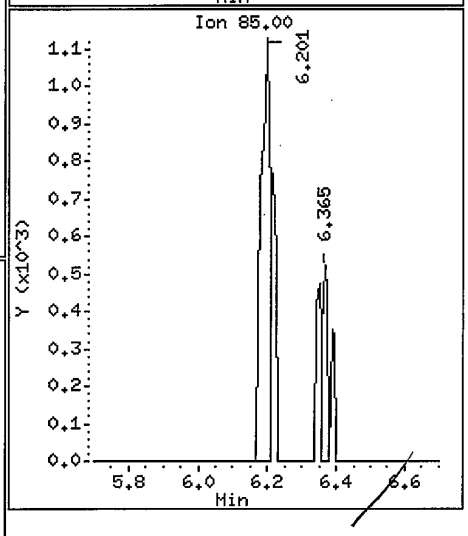












Data File: \\slsvr01\chem\MSF.i\F061211A.b\FSMP0928.D

Date : 11-DEC-2006 19:12

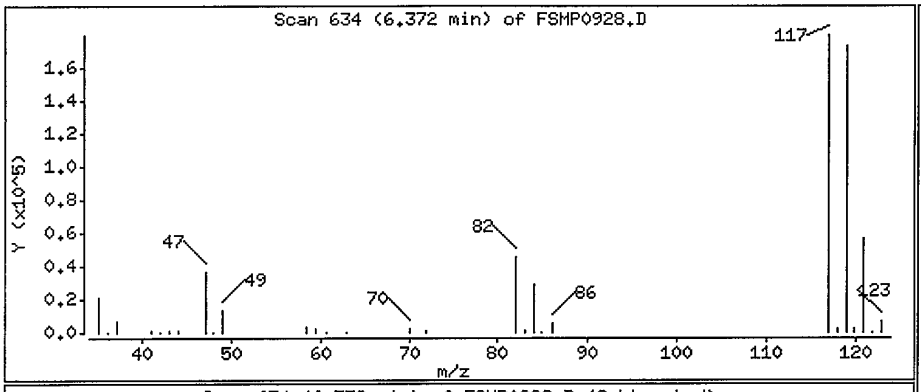
Client ID: B1LB37 Instrument: MSF.i

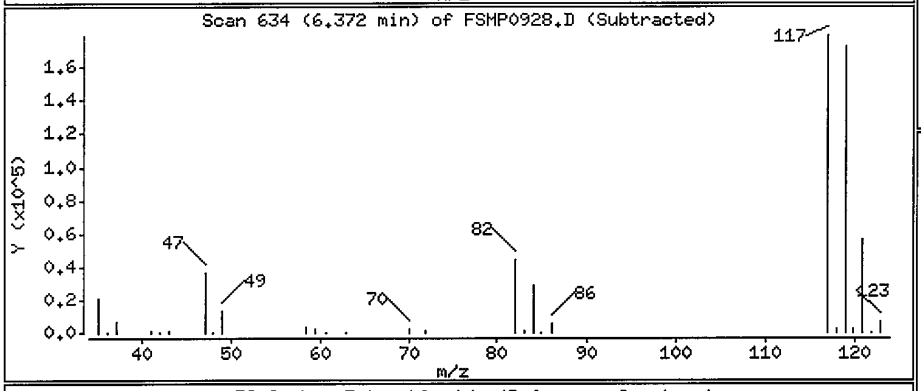
Sample Info: JKE9P2AC;F061211A.B

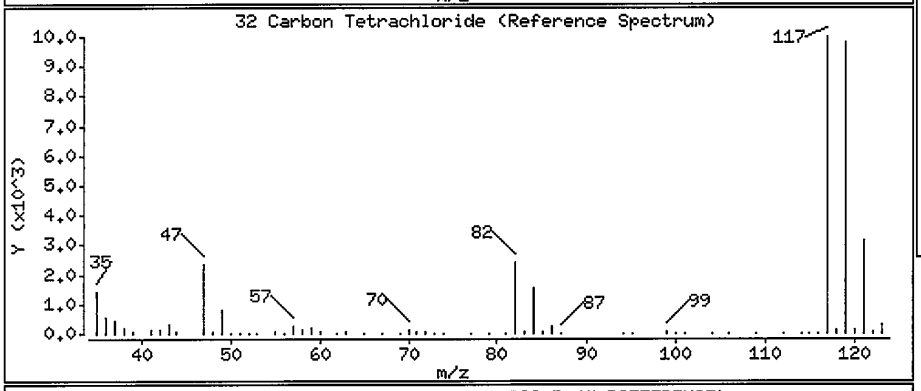
Purge Volume: 0.3 Operator: JDH

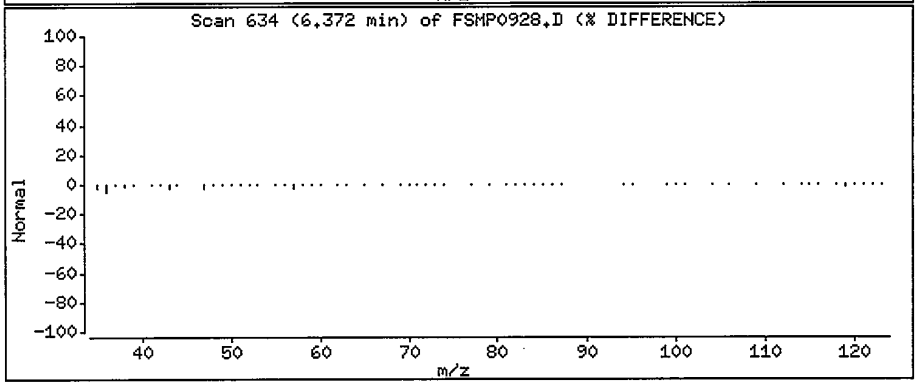
Column phase: Rtx-VMS Column diameter: 0.25

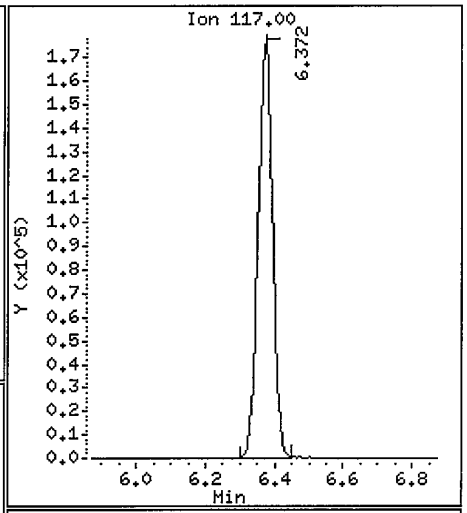
32 Carbon Tetrachloride Concentration: 2394 ug/L

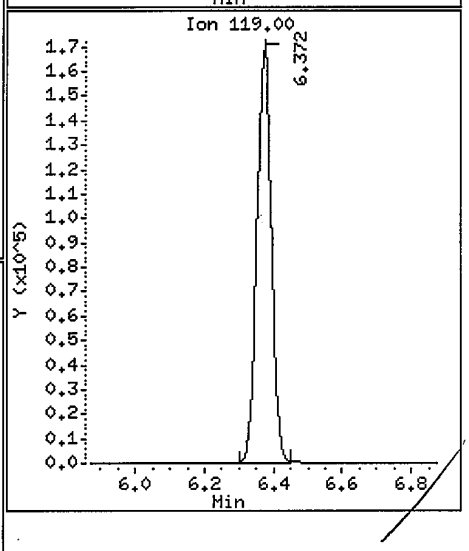












GC/MS RAW QC DATA

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GBLK4248.D
Report Date: 01-Dec-2006 12:26

STL St. Louis

GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061130B.b\GBLK4248.D
Lab Smp Id: JKL3J1AA Client Smp ID: JKL3J1AA
Inj Date : 30-NOV-2006 16:25
Operator : TM Inst ID: MSG.i
Smp Info : JKL3J1AA;G061130B.b
Misc Info : VBLKG334B.B;F6L010000-214B;6335214
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Meth Date : 30-Nov-2006 15:12 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 23:10 Cal File: GCAL4175.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H2O.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
17 Methylene Chloride	84	5.389	5.389	(0.535)	220656	1.05517	1.055(a)
$ 36 Dibromofluoromethane	113	8.345	8.328	(0.829)	1510218	53.4927	53.49
$ 43 1,2-Dichloroethane-d4	67	9.353	9.354	(0.929)	462082	49.7330	49.73
* 48 Fluorobenzene	96	10.066	10.049	(1.000)	3282498	50.0000	
$ 61 Toluene-d8	98	13.996	13.996	(0.763)	3084413	51.9527	51.95
* 71 Chlorobenzene-d5	117	18.343	18.360	(1.000)	2442629	50.0000	
$ 83 4-Bromofluorobenzene	95	22.290	22.273	(0.899)	1960279	47.9710	47.97
96 1,3-Dichlorobenzene	146	24.654	24.672	(0.994)	6957	0.18322	0.1832(a)
* 97 1,4 Dichlorobenzene-d4	152	24.793	24.794	(1.000)	1245046	50.0000	
100 1,2-Dichlorobenzene	146	25.402	25.385	(1.025)	7044	0.18821	0.1882(a)

QC Flag Legend

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

12-1-06

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GBLK4248.D
Report Date: 01-Dec-2006 12:06

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GBLK4248.D
Lab Smp Id: JKL3J1AA
Analysis Type: VOA
Quant Type: ISTD
Operator: TM
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B;F6L010000-214B;6335214

Calibration Date: 30-NOV-2006
Calibration Time: 14:36
Client Smp ID: JKL3J1AA
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3061626	1530813	6123252	3282498	7.21
71 Chlorobenzene-d5	2276877	1138439	4553754	2442629	7.28
97 1,4 Dichlorobenze	1255220	627610	2510440	1245046	-0.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.05	9.55	10.55	10.07	0.17
71 Chlorobenzene-d5	18.36	17.86	18.86	18.34	-0.10
97 1,4 Dichlorobenze	24.79	24.29	25.29	24.79	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GBLK4248.D
Report Date: 01-Dec-2006 12:06

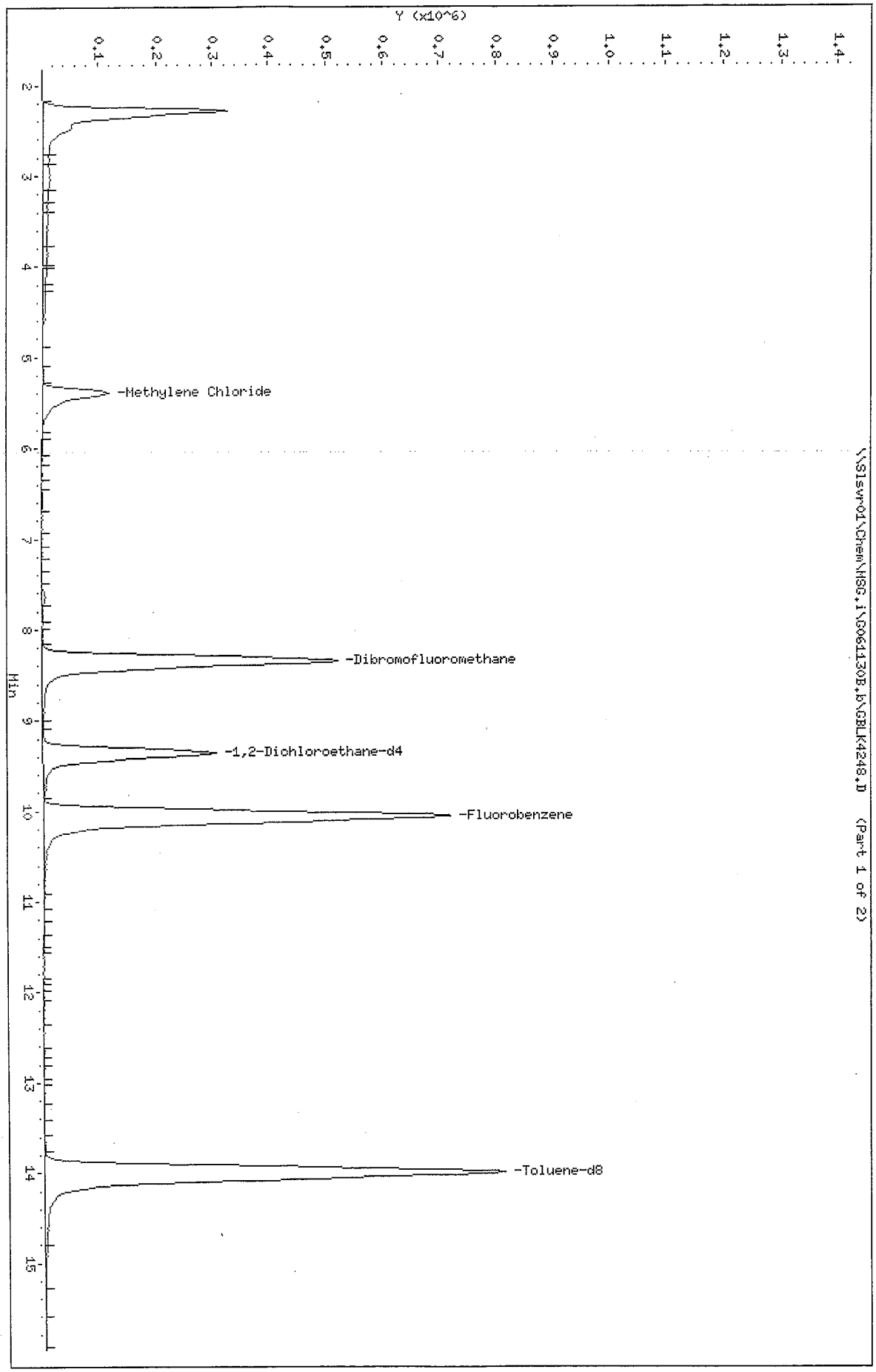
STL St. Louis

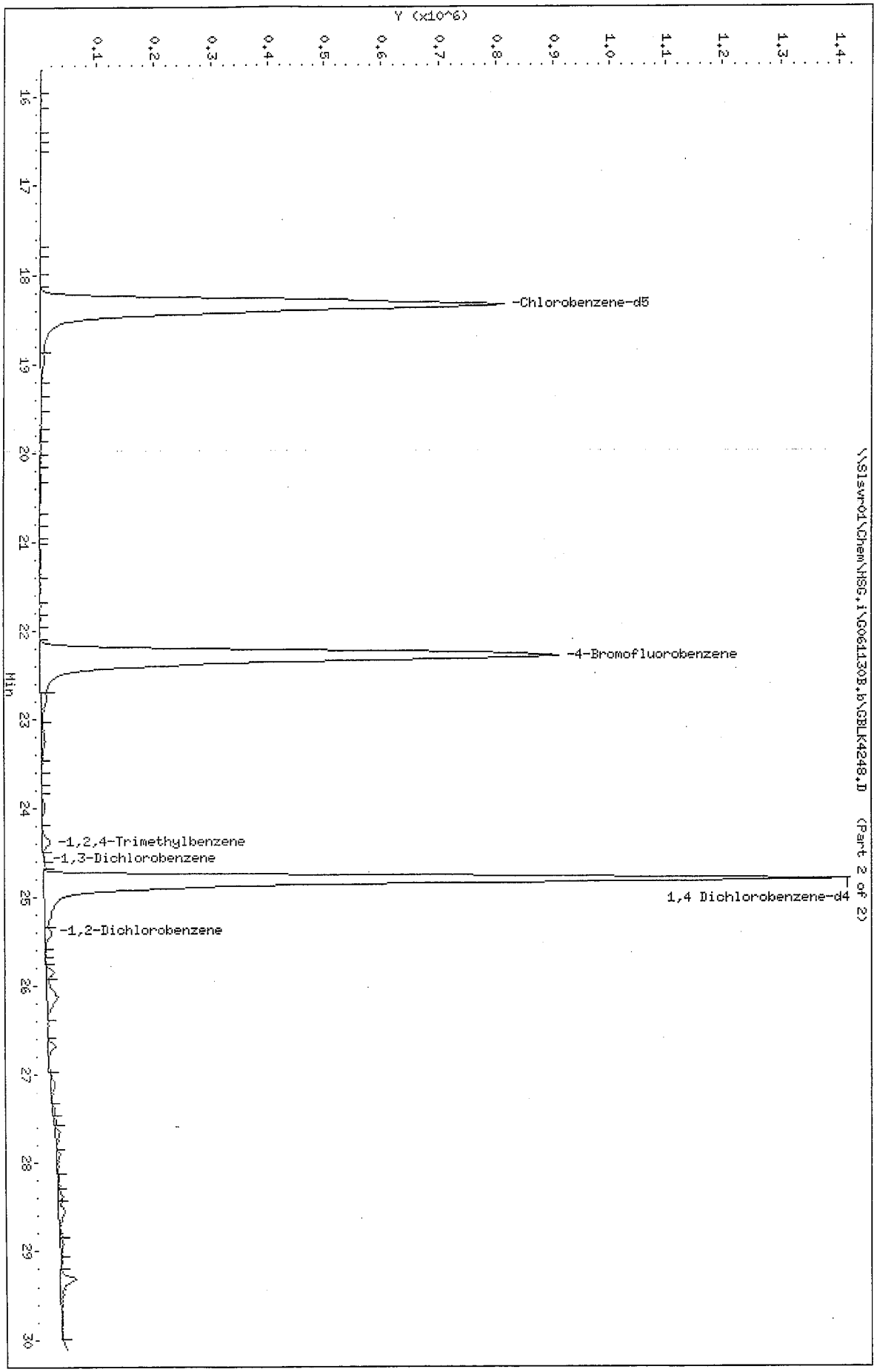
RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: JKL3J1AA
Level: LOW
Data Type: MS DATA
SpikeList File: soilms.spk
Sublist File: H2O.sub
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B;F6L010000-214B;6335214

Client SDG: G061130B.b
Fraction: VOA
Client Smp ID: JKL3J1AA
Operator: TM
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 36 Dibromofluorometha	50.00	53.49	106.99	79-132
$ 43 1,2-Dichloroethane	50.00	49.73	99.47	71-138
$ 61 Toluene-d8	50.00	51.95	103.91	75-136
$ 83 4-Bromofluorobenze	50.00	47.97	95.94	75-132


Data File: \\Slsvr01\Chem\MSG,i\G061130B,b\GBLK4248,D
Date : 30-NOV-2006 16:25
Client ID: JKL3J1AA
Sample Info: JKL3J1AA;G061130B,b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG,i
Operator: TM
Column diameter: 0.53
\\Slsvr01\Chem\MSG,i\G061130B,b\GBLK4248,D (Part 1 of 2)
Y (x10^6)
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
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
-Methylene Chloride
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8


Data File: \\Slsvr01\Chem\MSG,i\G061130B.b\GBLK4248.D
Date : 30-NOV-2006 16:25
Client ID: JKL3J1AA
Sample Info: JKL3J1AA;G061130B.b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG,i
Operator: TM
Column diameter: 0.53
\\Slsvr01\Chem\MSG,i\G061130B.b\GBLK4248.D (Part 2 of 2)
Y (x10^6)
Min
-Chlorobenzene-d5
-4-Bromofluorobenzene
-1,2,4-Trimethylbenzene
-1,3-Dichlorobenzene
1,4 Dichlorobenzene-d4
-1,2-Dichlorobenzene

Data File: \\Slswr01\Chem\MSG.i\G061130B.b\GBLK4248.D

Date : 30-NOV-2006 16:25

Client ID: JKL3J1AA

Instrument: MSG.i

Sample Info: JKL3J1AA:G061130B.b

Purge Volume: 5.0

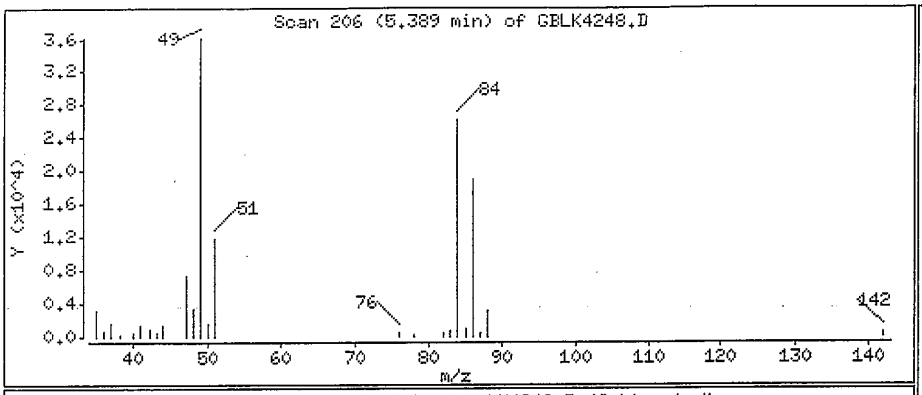
Operator: TM

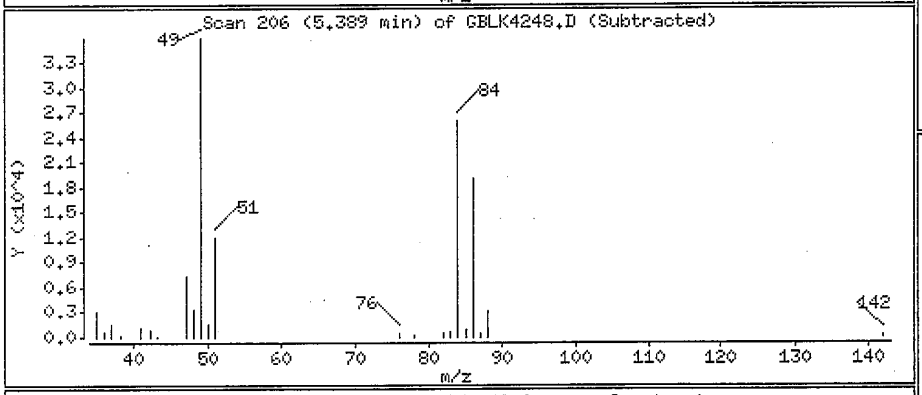
Column phase: RTX-502.2

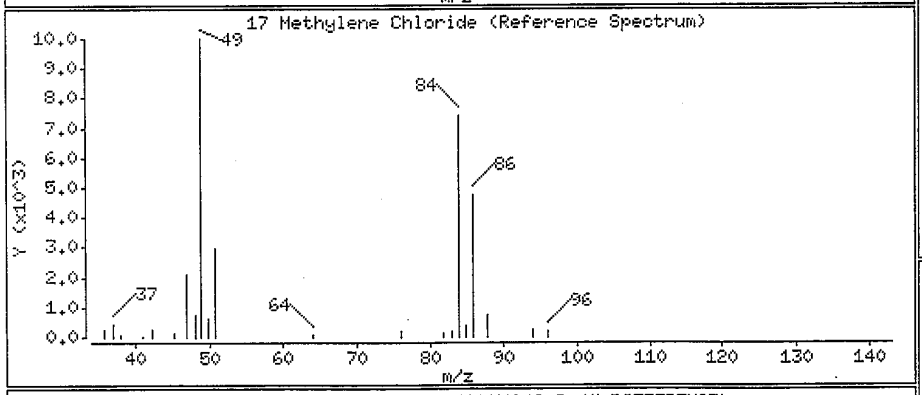
Column diameter: 0.53

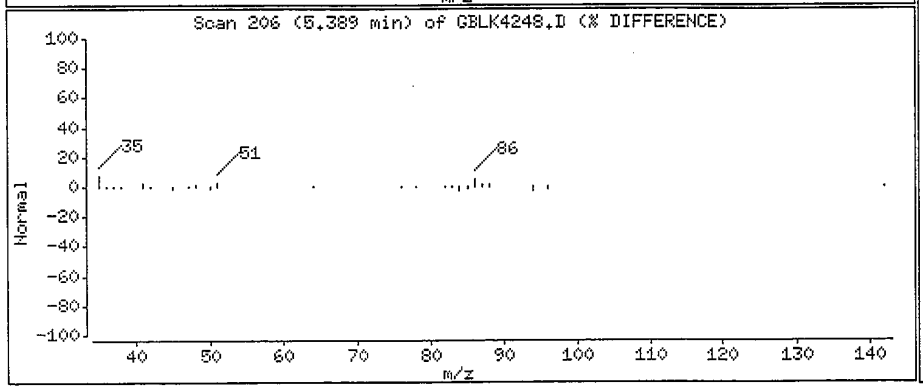
17 Methylene Chloride

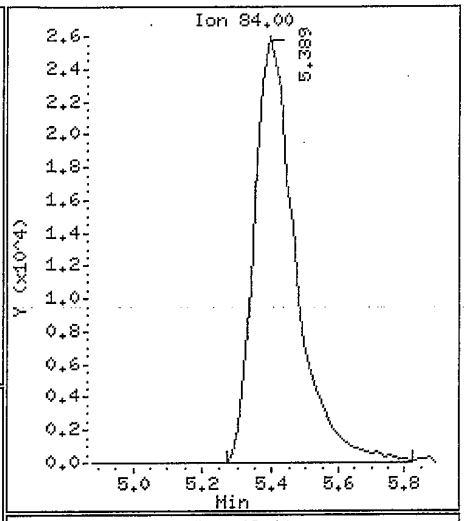
Concentration: 1.055 ug/L

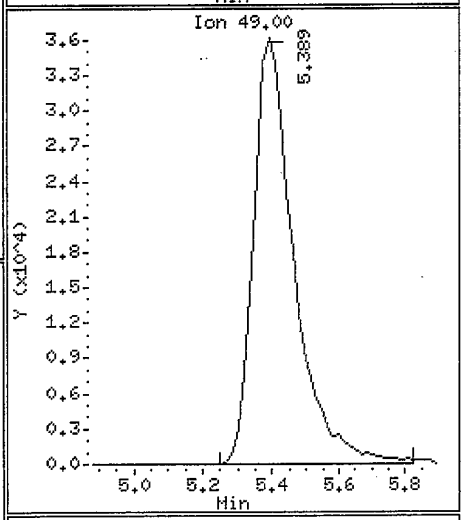


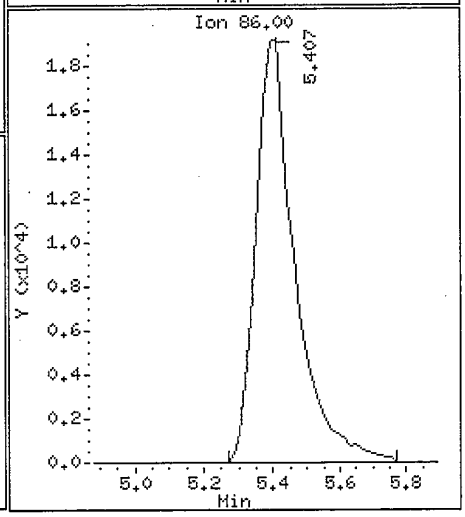












Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GBLK4248.D

Date : 30-NOV-2006 16:25

Client ID: JKL3J1AA

Instrument: MSG.i

Sample Info: JKL3J1AA;G061130B.b

Purge Volume: 5.0

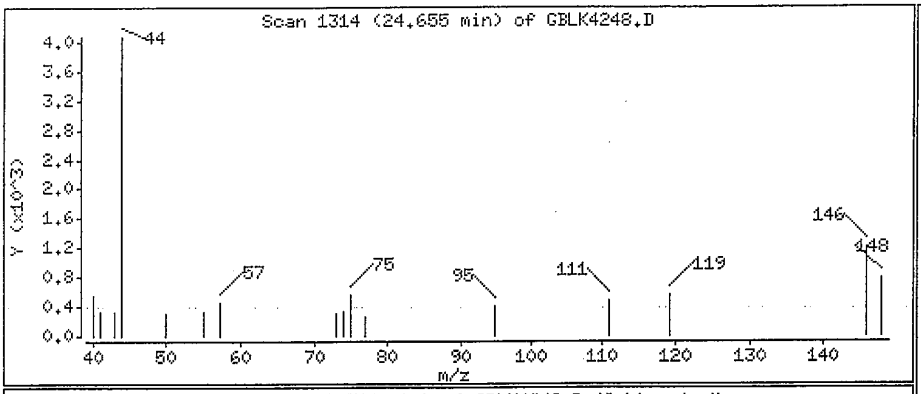
Operator: TM

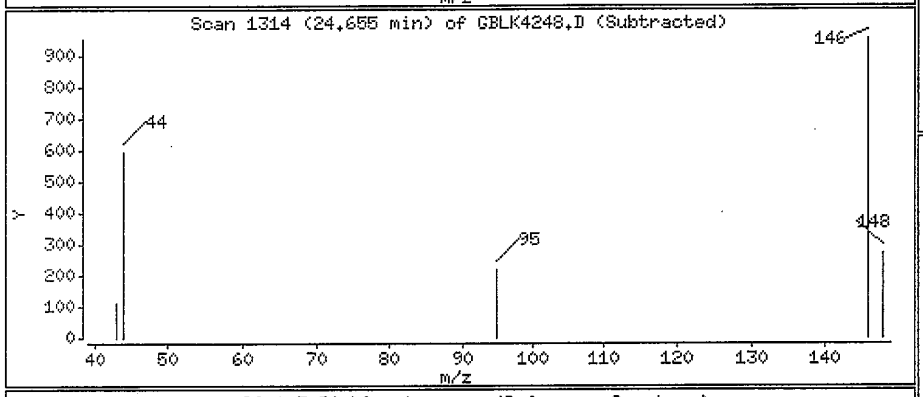
Column phase: RTX-502.2

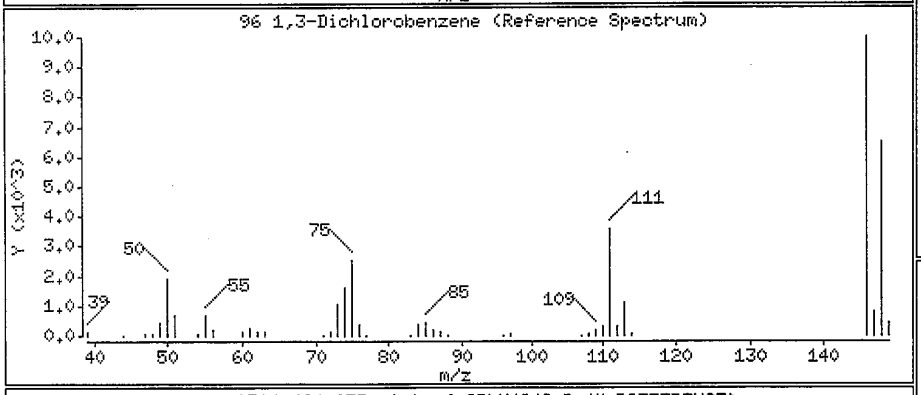
Column diameter: 0.53

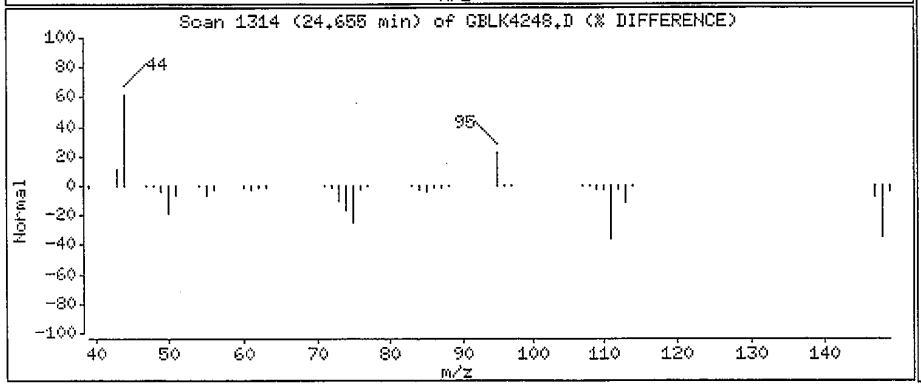
96 1,3-Dichlorobenzene

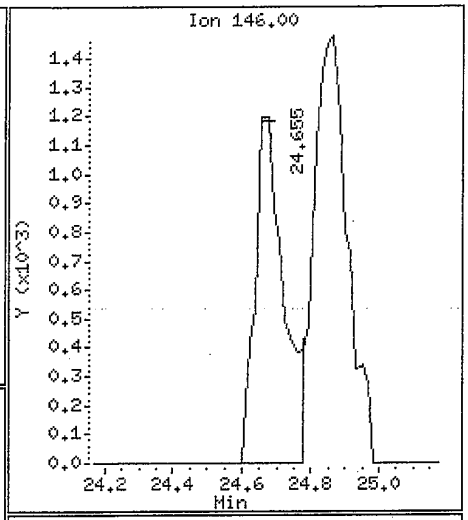
Concentration: 0.1832 ug/L

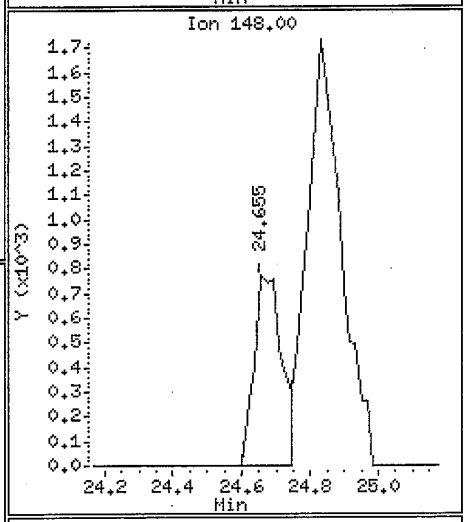


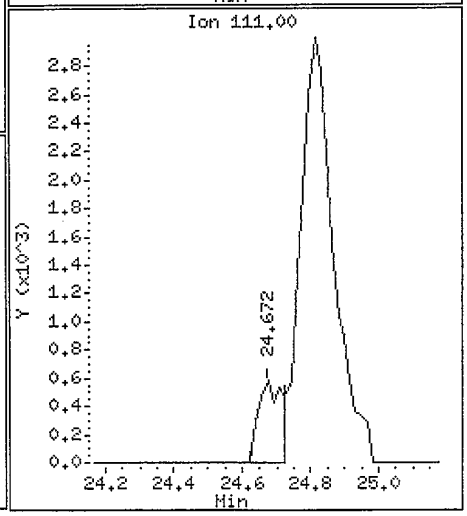












Data File: \\Slswr01\Chem\MSG.i\G061130B.b\GBLK4248.D

Date : 30-NOV-2006 16:25

Client ID: JKL3J1AA

Instrument: MSG.i

Sample Info: JKL3J1AA;G061130B.b

Purge Volume: 5.0

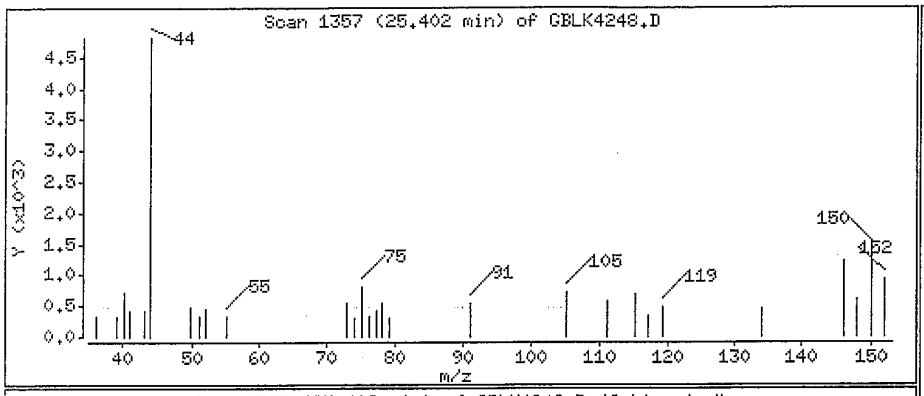
Operator: TM

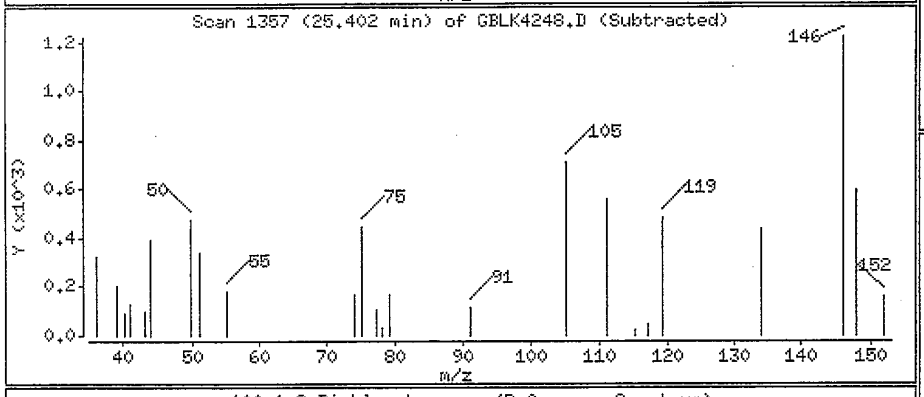
Column phase: RTX-502.2

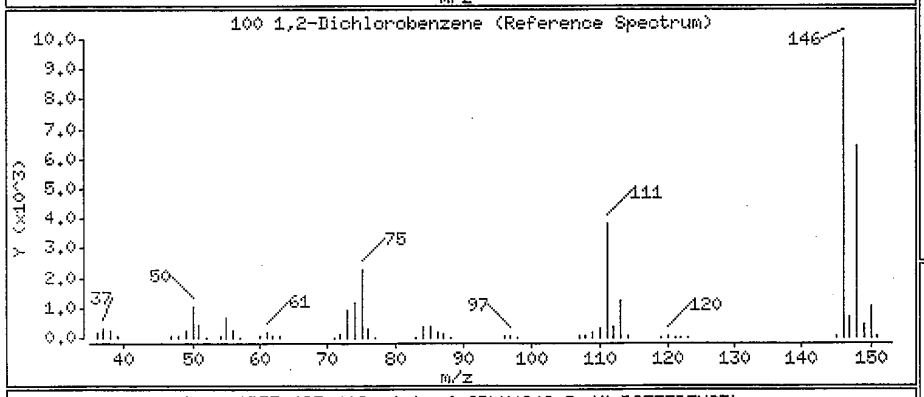
Column diameter: 0.53

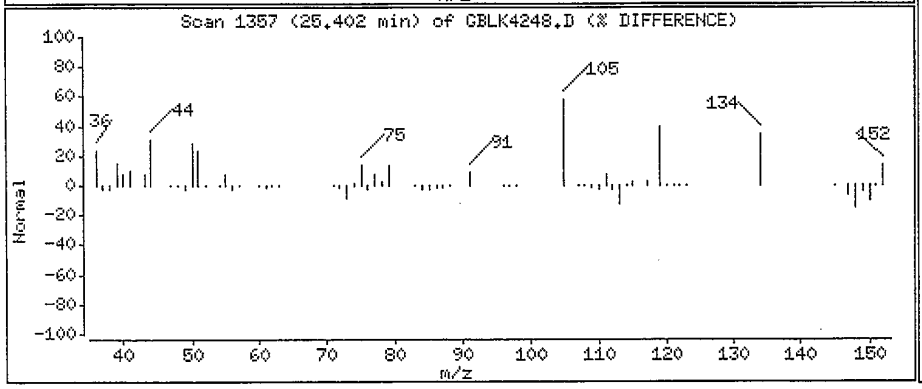
100 1,2-Dichlorobenzene

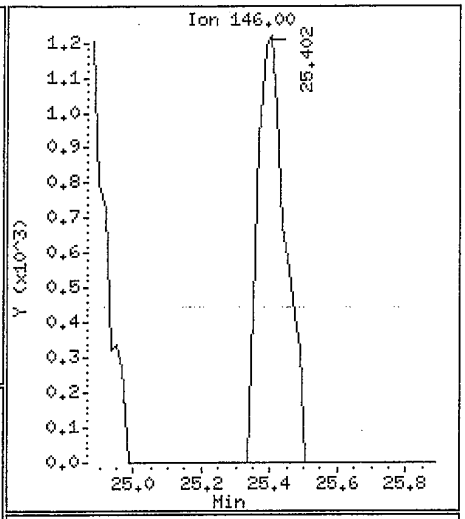
Concentration: 0.1882 ug/L

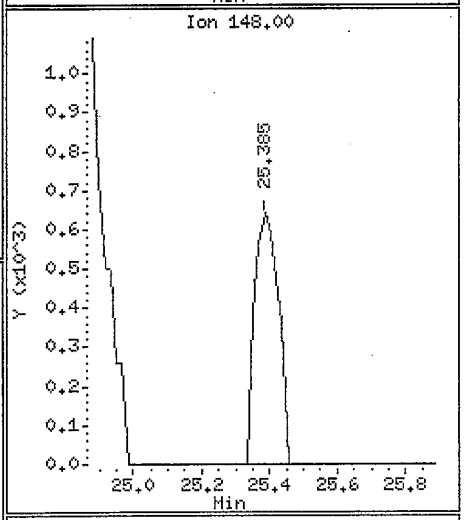


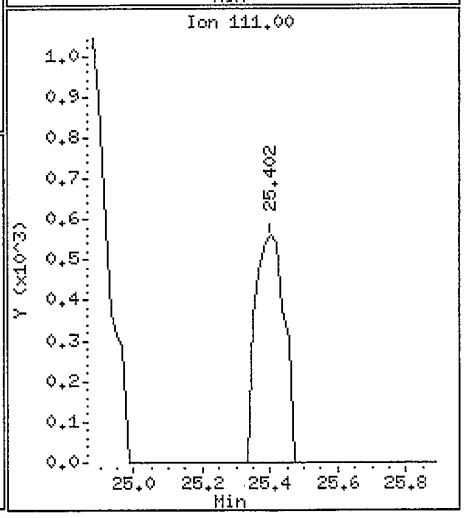












Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GBLK4248.D
Report Date: 01-Dec-2006 12:28

STL St. Louis

GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061130B.b\GBLK4248.D
Lab Smp Id: JKL3J1AA Client Smp ID: JKL3J1AA
Inj Date : 30-NOV-2006 16:25
Operator : TM Inst ID: MSG.i
Smp Info : JKL3J1AA;G061130B.b
Misc Info : VBLKG334B.B;F6L010000-214B;6335214
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Meth Date : 30-Nov-2006 15:12 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 23:10 Cal File: GCAL4175.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H2O.sub
Target Version: 4.10
Processing Host: SLVOA02

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

12-1-06

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FBLK0921A.D
Report Date: 12-Dec-2006 17:56

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061211A.b\FBLK0921A.D
Lab Smp Id: JLA9D1AA Client Smp ID: JLA9D1AA
Inj Date : 11-DEC-2006 16:21
Operator : JDH Inst ID: MSF.i
Smp Info : JLA9D1AA;F061211A.B
Misc Info : VBLKF345A.B; F6L120000-526B; 6346526
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Meth Date : 11-Dec-2006 18:12 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 16:31 Cal File: FCAL0867.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H2O.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 35 Dibromofluoromethane	113	6.434	6.434	(0.862)	177518	52.0673	52.07
$ 43 1,2-Dichloroethane-d4	65	7.113	7.114	(0.953)	233808	52.0158	52.02
* 46 Fluorobenzene	96	7.464	7.464	(1.000)	764867	50.0000	
$ 57 Toluene-d8	98	9.380	9.380	(0.859)	664876	51.5259	51.52
58 Toluene	92	9.430	9.430	(0.864)	2686	0.27696	0.2770(a)
* 70 Chlorobenzene-d5	117	10.917	10.917	(1.000)	459692	50.0000	
$ 79 4-Bromofluorobenzene	95	11.940	11.940	(0.933)	235929	50.3769	50.38
* 95 1,4 Dichlorobenzene-d4	152	12.798	12.791	(1.000)	223870	50.0000	

QC Flag Legend

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

JMK 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FBLK0921A.D
Report Date: 12-Dec-2006 17:56

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FBLK0921A.D
Lab Smp Id: JLA9D1AA
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Misc Info: VBLKF345A.B; F6L120000-526B; 6346526

Calibration Date: 11-DEC-2006
Calibration Time: 14:54
Client Smp ID: JLA9D1AA
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	848592	424296	1697184	764867	-9.87
70 Chlorobenzene-d5	523983	261992	1047966	459692	-12.27
95 1,4 Dichlorobenze	254858	127429	509716	223870	-12.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	-0.00
70 Chlorobenzene-d5	10.92	10.42	11.42	10.92	-0.00
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.80	0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FBLK0921A.D
Report Date: 12-Dec-2006 17:56

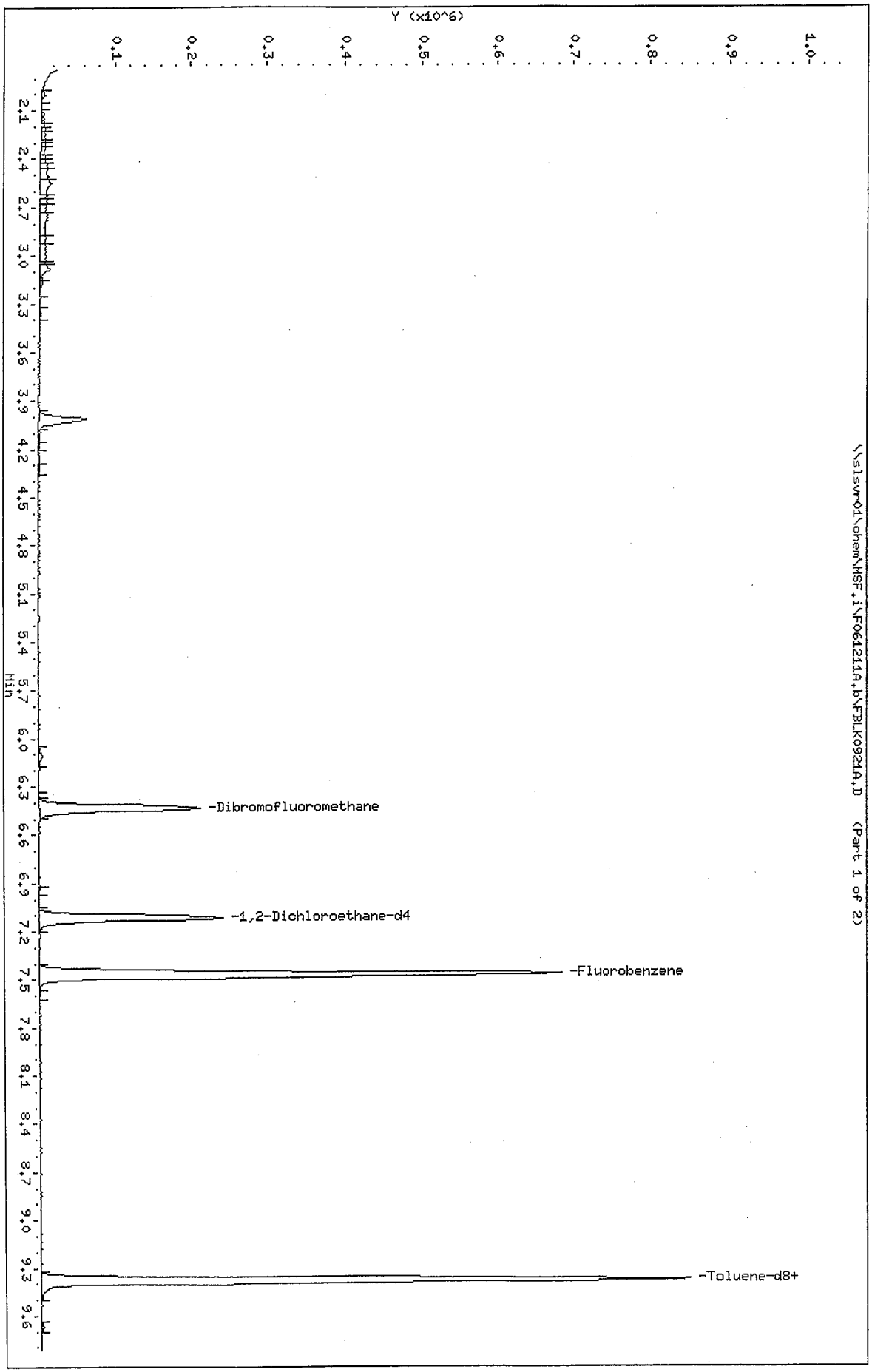
STL St. Louis

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: JLA9D1AA
Level: LOW
Data Type: MS DATA
SpikeList File: H20MS.spk
Sublist File: H2O.sub
Method File: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Misc Info: VBLKF345A.B; F6L120000-526B; 6346526

Client SDG: G990217B.B
Fraction: VOA
Client Smp ID: JLA9D1AA
Operator: JDH
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 35 Dibromofluorometha	50.00	52.07	104.13	74-129
$ 43 1,2-Dichloroethane	50.00	52.02	104.03	69-132
$ 57 Toluene-d8	50.00	51.52	103.05	68-133
$ 79 4-Bromofluorobenze	50.00	50.38	100.75	64-130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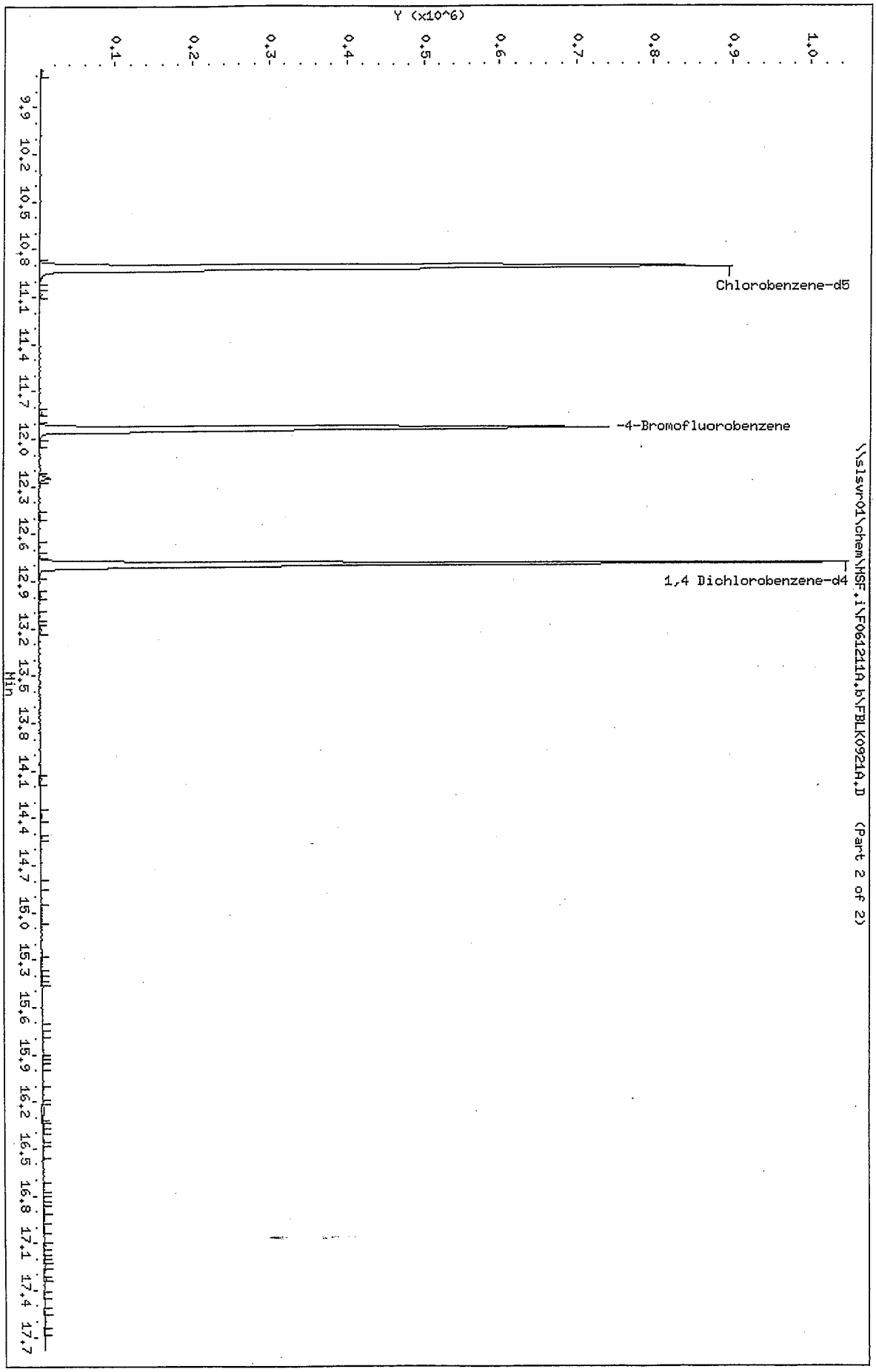
Date : 11-DEC-2006 16:21
Client ID: JLA9D1AA
Sample Info: JLA9D1AA;F061211A.B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF.i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF.i\F061211A.b\FBLK0921A.D (Part 1 of 2)
Y (x10^6)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
2.1 2.4 2.7 3.0 3.3 3.6 3.9 4.2 4.5 4.8 5.1 5.4 5.7 6.0 6.3 6.6 6.9 7.2 7.5 7.8 8.1 8.4 8.7 9.0 9.3 9.6
Min
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8+


Data File: \\slsvr01\chem\MSF.i\F061211A.b\FBLK0921A.D
Date : 11-DEC-2006 16:21
Client ID: JLA9D1AA
Sample Info: JLA9D1AA;F061211A.B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF.i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\MSF.i\F061211A.b\FBLK0921A.D (Part 2 of 2)
Y (x10^6)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Chlorobenzene-d5
-4-Bromofluorobenzene
1,4 Dichlorobenzene-d4
9.9 10.2 10.5 10.8 11.1 11.4 11.7 12.0 12.3 12.6 12.9 13.2 13.5 13.8 14.1 14.4 14.7 15.0 15.3 15.6 15.9 16.2 16.5 16.8 17.1 17.4 17.7
Min

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FBLK0921A.D

Date : 11-DEC-2006 16:21

Client ID: JLA9D1AA

Instrument: MSF.i

Sample Info: JLA9D1AA;F061211A.B

Purge Volume: 5.0

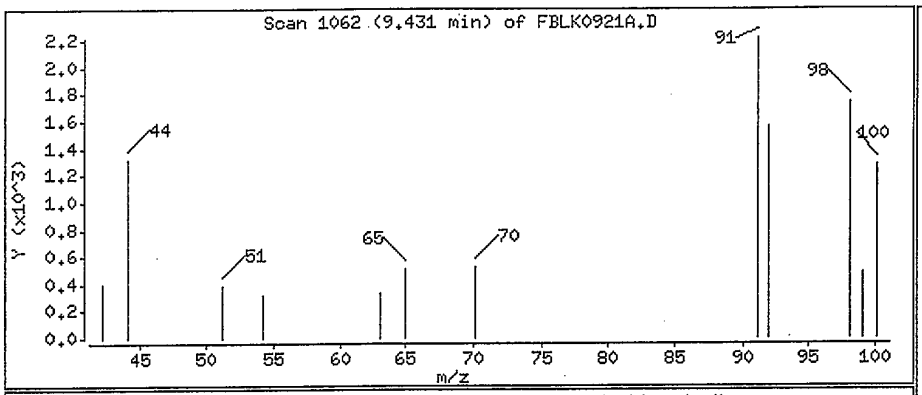
Operator: JDH

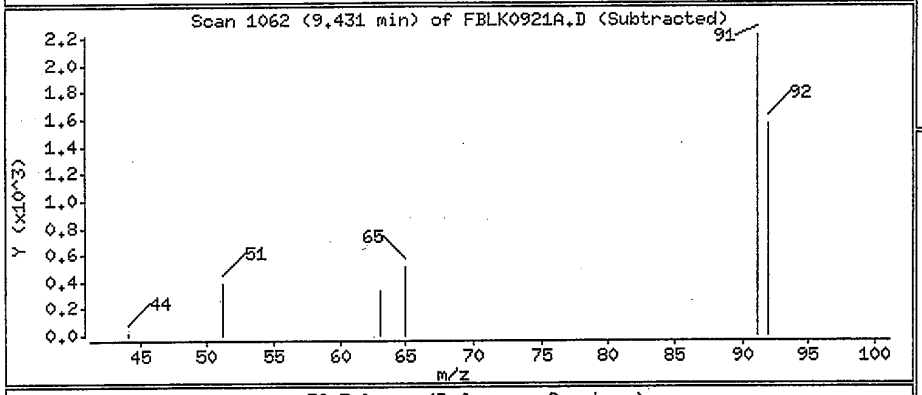
Column phase: Rtx-VMS

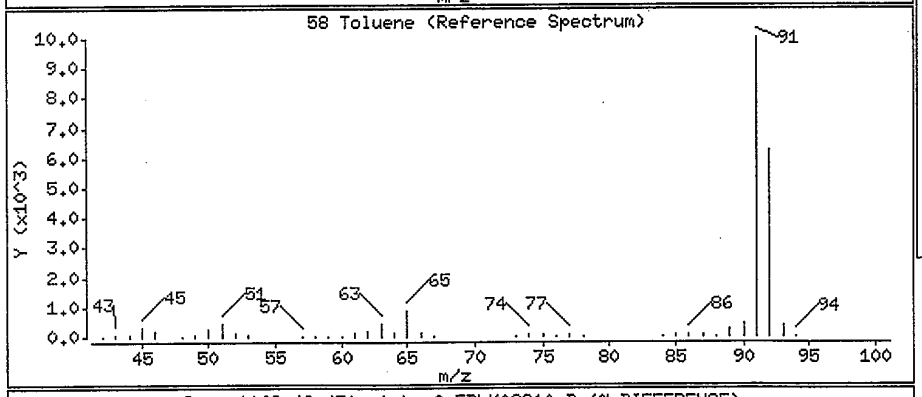
Column diameter: 0.25

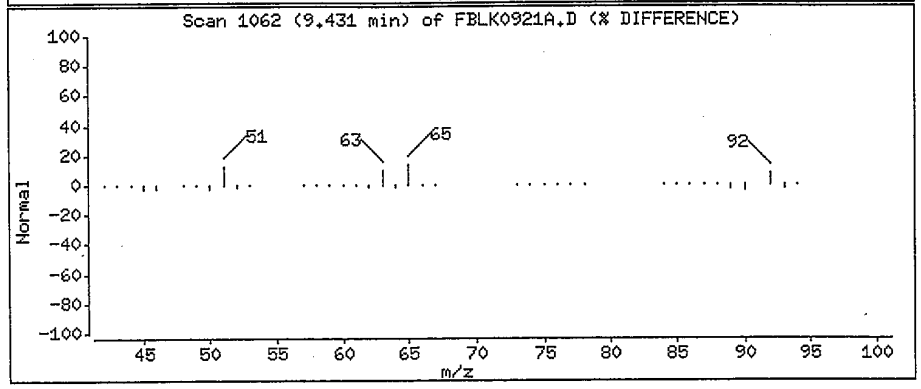
58 Toluene

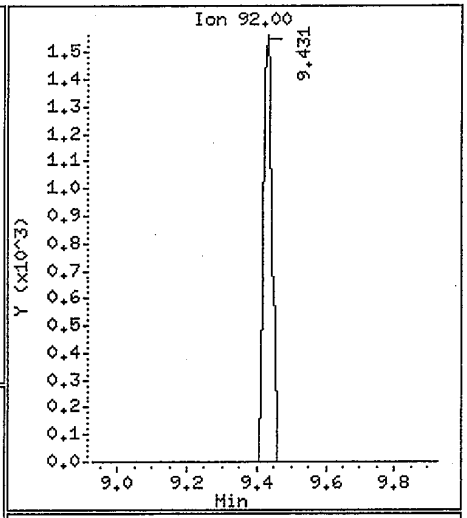
Concentration: 0.2770 ug/L

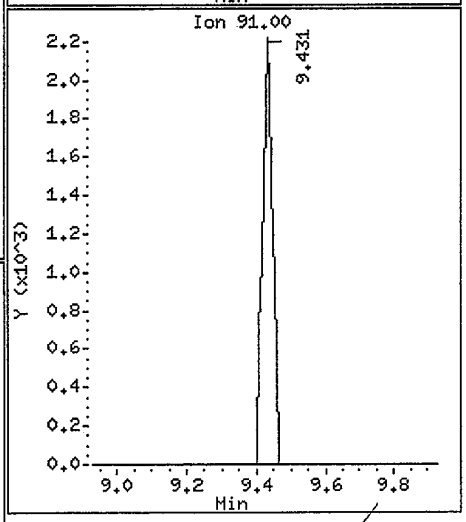












Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GLCS4246.D
Report Date: 01-Dec-2006 12:00

STL St. Louis

GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061130B.b\GLCS4246.D
Lab Smp Id: JKL3J1AC Client Smp ID: JKL3J1AC
Inj Date : 30-NOV-2006 15:12
Operator : TM Inst ID: MSG.i
Smp Info : JKL3J1AC;G061130B.b
Misc Info : VBLKG334B.B;F6L010000-214C;6335214
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Meth Date : 30-Nov-2006 15:12 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 23:10 Cal File: GCAL4175.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H2O.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	2.488	2.486	(0.247)	821578	42.6194	42.62
2 Freon-114	135	2.627	2.625	(0.261)	360690	45.4347	45.43
3 Chloromethane	50	2.801	2.799	(0.278)	764700	45.1370	45.14
4 Vinyl Chloride	62	2.905	2.903	(0.289)	477684	36.7009	36.70
5 Bromomethane	94	3.462	3.459	(0.344)	731752	46.2692	46.27
6 Chloroethane	64	3.566	3.546	(0.354)	456764	48.1832	48.18
7 Trichlorofluoromethane	101	3.879	3.859	(0.385)	1426713	52.4455	52.44
8 Diethyl ether	59	4.261	4.259	(0.423)	759858	103.578	103.6(R)
9 1,1,2-Trichlorofluoroethane	101	4.453	4.433	(0.442)	1486086	51.3972	51.40
11 Acetone	43	4.540	4.520	(0.451)	133472	54.1676	54.17
12 1,1-Dichloroethene	96	4.696	4.694	(0.466)	746206	52.6756	52.68
13 Acetonitrile	41	4.922	4.920	(0.489)	138471	209.508	209.5
14 Iodomethane	142	5.148	5.129	(0.511)	1099800	67.9587	67.96(R)
15 Methyl acetate	74	5.200	5.163	(0.517)	93327	50.5756	50.58
16 Allyl chloride	39	5.235	5.215	(0.520)	589925	49.2977	49.30
17 Methylene Chloride	84	5.409	5.389	(0.537)	987806	46.2716	46.27
18 Carbon Disulfide	76	5.426	5.424	(0.539)	2441836	54.3811	54.38
19 Acrylonitrile	53	5.600	5.581	(0.556)	403462	213.177	213.2
20 MTBE	73	5.652	5.633	(0.561)	1665923	53.4354	53.44
21 trans-1,2-Dichloroethene	96	5.861	5.841	(0.582)	827895	52.9370	52.94
22 n-Hexane	57	5.965	5.946	(0.592)	1034624	46.7366	46.74
23 1,1-Dichloroethane	63	6.557	6.537	(0.651)	1556398	49.5739	49.57

12-1-06

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GLCS4246.D
Report Date: 01-Dec-2006 12:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	24 Vinyl acetate	43	6.557	6.537	(0.651)	1352421	54.9509	54.95
	25 2-Chloro-1,3-butadiene	53	6.713	6.693	(0.667)	1085012	49.2126	49.21
	27 2-Butanone	43	7.322	7.302	(0.727)	217119	50.0207	50.02
	28 Propionitrile	54	7.443	7.424	(0.739)	223868	236.809	236.8
	29 2,2-Dichloropropane	77	7.565	7.528	(0.751)	1330144	50.1903	50.19
	30 cis-1,2-Dichloroethene	96	7.652	7.632	(0.760)	906255	52.5411	52.54
	31 Ethyl acetate	43	7.635	7.615	(0.758)	1211480	97.6546	97.65
	32 Methacrylonitrile	41	7.826	7.789	(0.777)	1833995	265.696	265.7
M	38 1,2-Dichloroethene (total)	96				1734150	105.478	105.5
	33 Chloroform	83	7.930	7.911	(0.788)	1673248	50.9612	50.96
	34 Bromochloromethane	128	8.261	8.241	(0.820)	562320	53.7919	53.79
	35 Isobutanol	42	8.747	8.728	(0.869)	266351	886.135	886.1
	37 Tetrahydrofuran	71	8.365	8.328	(0.831)	280948	252.169	252.2(R)
$	36 Dibromofluoromethane	113	8.365	8.328	(0.831)	1382879	53.1991	53.20
	39 1,1,1-Trichloroethane	97	8.730	8.693	(0.867)	1395948	52.3451	52.34
	40 Cyclohexane	84	8.765	8.745	(0.870)	941371	50.1766	50.18
	41 1,1-Dichloropropene	75	9.060	9.023	(0.900)	1366301	49.3651	49.36
	42 Carbon Tetrachloride	117	9.252	9.232	(0.919)	1130602	50.8079	50.81
	45 n-Butanol	56	9.339	9.319	(0.927)	179221	500.524	500.5
$	43 1,2-Dichloroethane-d4	67	9.373	9.354	(0.931)	432068	50.5060	50.51
	46 1,2-Dichloroethane	62	9.582	9.545	(0.952)	953935	51.4703	51.47
	47 Benzene	78	9.617	9.580	(0.955)	2409384	47.8842	47.88
*	48 Fluorobenzene	96	10.069	10.049	(1.000)	3022312	50.0000	
	49 Trichloroethene	130	10.990	10.953	(1.092)	1042670	49.9478	49.95
	50 Methylcyclohexane	55	11.129	11.092	(1.105)	1170739	46.2369	46.24
	51 1,2-Dichloropropane	63	11.408	11.371	(1.133)	1035499	47.9472	47.95
	52 Methyl methacrylate	69	11.616	11.579	(1.154)	512714	49.6373	49.64
	53 Bromodichloromethane	83	11.964	11.927	(1.188)	1785818	51.6747	51.67
	55 1,4-Dioxane	88	12.068	12.031	(1.199)	190090	1140.11	1140
	54 Dibromomethane	93	12.086	12.049	(1.200)	953284	51.8822	51.88
	56 2-Nitropropane	43	12.190	12.136	(1.211)	375394	46.4844	46.48(R)
	57 2-chloroethyl vinyl ether	63	12.833	12.796	(1.275)	511068	53.4760	53.48
	58 4-Methyl-2-pentanone	43	12.886	12.831	(1.280)	1189694	53.3047	53.30
	59 cis-1,3-Dichloropropene	75	13.390	13.353	(1.330)	1511213	50.3339	50.33
$	61 Toluene-d8	98	14.033	13.996	(0.764)	2884219	52.5826	52.58
	62 Toluene	91	14.242	14.205	(0.775)	2973509	47.3632	47.36
	63 trans-1,3-Dichloropropene	75	14.781	14.744	(0.804)	1166951	51.8786	51.88
	64 Ethyl methacrylate	69	14.850	14.813	(0.808)	1211103	53.4929	53.49
	65 1,1,2-Trichloroethane	97	15.198	15.161	(0.827)	892467	52.3565	52.36
	66 2-Hexanone	43	15.320	15.283	(0.834)	579685	52.1494	52.15
	67 1,3-Dichloropropane	76	15.928	15.909	(0.867)	1465454	51.5290	51.53
	68 Tetrachloroethene	164	16.068	16.013	(0.874)	1099652	52.1835	52.18
	69 Chlorodibromomethane	129	16.624	16.587	(0.904)	1272098	53.2938	53.29
	70 1,2-Dibromoethane	107	17.198	17.161	(0.936)	1280751	51.9509	51.95
*	71 Chlorobenzene-d5	117	18.380	18.360	(1.000)	2256729	50.0000	
	72 Chlorobenzene	112	18.484	18.465	(1.006)	2307704	50.5524	50.55
	73 1,1,1,2-Tetrachloroethane	131	18.658	18.621	(1.015)	968195	52.0490	52.05
	74 Ethylbenzene	106	18.728	18.691	(1.019)	983371	47.8167	47.82
	75 m,p-Xylenes	106	18.971	18.952	(1.032)	2734584	99.3775	99.38
	76 o-Xylene	106	20.345	20.308	(1.107)	1300802	50.2481	50.25
	77 Styrene	104	20.467	20.429	(1.114)	2158929	50.7144	50.71
M	78 Xylenes (total)	106				4035386	149.626	149.6
	79 Bromoform	173	21.423	21.386	(1.166)	917067	51.0702	51.07
	80 Isopropylbenzene	105	21.562	21.525	(1.173)	3334302	50.4931	50.49

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GLCS4246.D
Report Date: 01-Dec-2006 12:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	81 Cyclohexanone	55	21.666	21.629	(1.179)	402860	504.687	504.7
	82 1,1,2,2-Tetrachloroethane	83	22.118	22.099	(1.203)	1523215	53.4480	53.45
$	83 4-Bromofluorobenzene	95	22.310	22.273	(0.899)	1930895	48.9436	48.94
	84 1,2,3-Trichloropropane	110	22.570	22.533	(0.910)	351399	52.2468	52.25
	85 Bromobenzene	156	22.796	22.759	(0.919)	1005611	47.8829	47.88
	86 n Propylbenzene	91	22.814	22.777	(0.919)	4797727	47.7345	47.73
	88 trans-1,4-dichloro-2-butene	53	22.831	22.812	(0.920)	262510	51.9605	51.96
	87 2-Chlorotoluene	91	23.179	23.159	(0.934)	2942380	47.8435	47.84
	89 1,3,5-Trimethylbenzene	105	23.214	23.194	(0.936)	2661068	46.3955	46.40
	90 4-Chlorotoluene	91	23.301	23.264	(0.939)	3322472	41.8540	41.85
	91 t-Butylbenzene	119	23.961	23.942	(0.966)	3227354	48.1287	48.13
	92 Pentachloroethane	167	23.996	23.994	(0.967)	405559	49.1228	49.12
	93 1,2,4-Trimethylbenzene	105	24.031	24.011	(0.968)	2436765	45.9018	45.90
	94 sec-Butylbenzene	105	24.344	24.342	(0.981)	4441510	48.1887	48.19
	95 4-Isopropyltoluene	119	24.587	24.585	(0.991)	2752471	45.0436	45.04
	96 1,3-Dichlorobenzene	146	24.674	24.672	(0.994)	1767290	48.2089	48.21
*	97 1,4 Dichlorobenzene-d4	152	24.813	24.794	(1.000)	1202011	50.0000	
	98 1,4-Dichlorobenzene	146	24.866	24.846	(1.002)	2025597	48.8311	48.83
	99 n-Butylbenzene	91	25.231	25.211	(1.017)	2866810	44.7712	44.77
	100 1,2-Dichlorobenzene	146	25.405	25.385	(1.024)	1809705	50.0838	50.08
	101 1,2-Dibromo-3-chloropropane	157	26.430	26.428	(1.065)	311679	55.8111	55.81
	103 1,2,4-Trichlorobenzene	180	27.387	27.367	(1.104)	732888	43.5226	43.52
	104 Hexachlorobutadiene	225	27.543	27.524	(1.110)	531529	47.0300	47.03
	105 Naphthalene	128	27.648	27.628	(1.114)	1521596	50.8778	50.88
	106 1,2,3-Trichlorobenzene	180	27.908	27.889	(1.125)	726642	47.5978	47.60

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GLCS4246.D
Report Date: 01-Dec-2006 12:00

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GLCS4246.D
Lab Smp Id: JKL3J1AC
Analysis Type: VOA
Quant Type: ISTD
Operator: TM
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B;F6L010000-214C;6335214

Calibration Date: 30-NOV-2006
Calibration Time: 14:36
Client Smp ID: JKL3J1AC
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3061626	1530813	6123252	3022312	-1.28
71 Chlorobenzene-d5	2276877	1138439	4553754	2256729	-0.88
97 1,4 Dichlorobenze	1255220	627610	2510440	1202011	-4.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.05	9.55	10.55	10.07	0.20
71 Chlorobenzene-d5	18.36	17.86	18.86	18.38	0.11
97 1,4 Dichlorobenze	24.79	24.29	25.29	24.81	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GLCS4246.D
Report Date: 01-Dec-2006 12:00

STL St. Louis

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: JKL3J1AC
Level: LOW
Data Type: MS DATA
SpikeList File: LCS6147W5.spk
Sublist File: H2O.sub
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B;F6L010000-214C;6335214

Client SDG: SDGa00861
Fraction: VOA
Client Smp ID: JKL3J1AC
Operator: TM
SampleType: LCS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	1 Dichlorodifluorome	50.00	42.62	85.24	47-150
	2 Freon-114	0.0000	45.43	0.00	0-100
	3 Chloromethane	50.00	45.14	90.27	45-143
	4 Vinyl Chloride	50.00	36.70	73.40	62-138
	5 Bromomethane	50.00	46.27	92.54	55-140
	6 Chloroethane	50.00	48.18	96.37	60-150
	7 Trichlorofluoromet	50.00	52.44	104.89	57-150
	8 Diethyl ether	50.00	103.6	207.16*	64-147
	10 Acrolein	250.0	0.0000	*	70-130
	9 1,1,2-Trichloroflu	50.00	51.40	102.79	60-139
	11 Acetone	50.00	54.17	108.34	50-150
	12 1,1-Dichloroethene	50.00	52.68	105.35	64-119
	13 Acetonitrile	250.0	209.5	83.80	70-130
	14 Iodomethane	50.00	67.96	135.92*	70-130
	15 Methyl acetate	50.00	50.58	101.15	70-130
	16 Allyl chloride	50.00	49.30	98.60	59-150
	17 Methylene Chloride	50.00	46.27	92.54	47-146
	18 Carbon Disulfide	50.00	54.38	108.76	52-149
	19 Acrylonitrile	250.0	213.2	85.27	70-130
	20 MTBE	50.00	53.44	106.87	65-143
	21 trans-1,2-Dichloro	50.00	52.94	105.87	70-132
	22 n-Hexane	50.00	46.74	93.47	55-128
	24 Vinyl acetate	50.00	54.95	109.90	70-130
	23 1,1-Dichloroethane	50.00	49.57	99.15	73-126
	25 2-Chloro-1,3-butad	50.00	49.21	98.43	70-130
	27 2-Butanone	50.00	50.02	100.04	50-150
	28 Propionitrile	250.0	236.8	94.72	70-130
	29 2,2-Dichloropropan	50.00	50.19	100.38	67-137
	31 Ethyl acetate	100.0	97.65	97.65	70-130
	30 cis-1,2-Dichloroet	50.00	52.54	105.08	77-126
	32 Methacrylonitrile	250.0	265.7	106.28	70-130
M	38 1,2-Dichloroethene	100.0	105.5	105.48	74-127
	33 Chloroform	50.00	50.96	101.92	74-129
	34 Bromochloromethane	50.00	53.79	107.58	71-134
	35 Isobutanol	1000	886.1	88.61	70-130
	37 Tetrahydrofuran	50.00	252.2	504.34*	55-144
	39 1,1,1-Trichloroeth	50.00	52.34	104.69	73-128
	40 Cyclohexane	50.00	50.18	100.35	70-130
	41 1,1-Dichloropropen	50.00	49.36	98.73	76-130
	42 Carbon Tetrachlori	50.00	50.81	101.62	66-134

12-1-06

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GLCS4246.D
Report Date: 01-Dec-2006 12:00

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
45	n-Butanol	500.0	500.5	100.10	70-130
46	1,2-Dichloroethane	50.00	51.47	102.94	70-130
47	Benzene	50.00	47.88	95.77	79-123
49	Trichloroethene	50.00	49.95	99.90	67-121
50	Methylcyclohexane	50.00	46.24	92.47	70-130
51	1,2-Dichloropropan	50.00	47.95	95.89	76-128
52	Methyl methacrylat	50.00	49.64	99.27	67-148
53	Bromodichlorometha	50.00	51.67	103.35	73-123
55	1,4-Dioxane	1000	1140	114.01	70-130
54	Dibromomethane	50.00	51.88	103.76	50-150
56	2-Nitropropane	25.00	46.48	185.94*	25-150
57	2-chloroethyl viny	50.00	53.48	106.95	70-130
58	4-Methyl-2-pentano	50.00	53.30	106.61	50-150
59	cis-1,3-Dichloropr	50.00	50.33	100.67	72-128
62	Toluene	50.00	47.36	94.73	71-128
63	trans-1,3-Dichloro	50.00	51.88	103.76	74-149
64	Ethyl methacrylate	50.00	53.49	106.99	66-132
65	1,1,2-Trichloroeth	50.00	52.36	104.71	77-122
66	2-Hexanone	50.00	52.15	104.30	60-150
67	1,3-Dichloropropan	50.00	51.53	103.06	77-126
68	Tetrachloroethene	50.00	52.18	104.37	60-113
69	Chlorodibromometha	50.00	53.29	106.59	73-132
70	1,2-Dibromoethane	50.00	51.95	103.90	75-135
72	Chlorobenzene	50.00	50.55	101.10	85-116
73	1,1,1,2-Tetrachlor	50.00	52.05	104.10	74-129
74	Ethylbenzene	50.00	47.82	95.63	82-121
75	m,p-Xylenes	100.0	99.38	99.38	81-127
76	o-Xylene	50.00	50.25	100.50	79-128
77	Styrene	50.00	50.71	101.43	77-131
79	Bromoform	50.00	51.07	102.14	72-126
80	Isopropylbenzene	50.00	50.49	100.99	83-149
81	Cyclohexanone	500.0	504.7	100.94	20-150
82	1,1,2,2-Tetrachlor	50.00	53.45	106.90	71-136
84	1,2,3-Trichloropro	50.00	52.25	104.49	70-130
85	Bromobenzene	50.00	47.88	95.77	76-124
86	n-Propylbenzene	50.00	47.73	95.47	75-132
88	trans-1,4-dichloro	50.00	51.96	103.92	52-146
87	2-Chlorotoluene	50.00	47.84	95.69	68-137
89	1,3,5-Trimethylben	50.00	46.40	92.79	74-132
90	4-Chlorotoluene	50.00	41.85	83.71	70-139
91	t-Butylbenzene	50.00	48.13	96.26	60-137
92	Pentachloroethane	50.00	49.12	98.25	70-130
93	1,2,4-Trimethylben	50.00	45.90	91.80	70-130
94	sec-Butylbenzene	50.00	48.19	96.38	72-127
95	4-Isopropyltoluene	50.00	45.04	90.09	76-139
96	1,3-Dichlorobenzen	50.00	48.21	96.42	82-119
98	1,4-Dichlorobenzen	50.00	48.83	97.66	78-116
99	n-Butylbenzene	50.00	44.77	89.54	74-134
100	1,2-Dichlorobenzen	50.00	50.08	100.17	76-125
101	1,2-Dibromo-3-chlo	50.00	55.81	111.62	54-145
103	1,2,4-Trichloroben	50.00	43.52	87.05	55-144
104	Hexachlorobutadien	50.00	47.03	94.06	54-143
105	Naphthalene	50.00	50.88	101.76	55-150
106	1,2,3-Trichloroben	50.00	47.60	95.20	51-147

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GLCS4246.D
Report Date: 01-Dec-2006 12:00

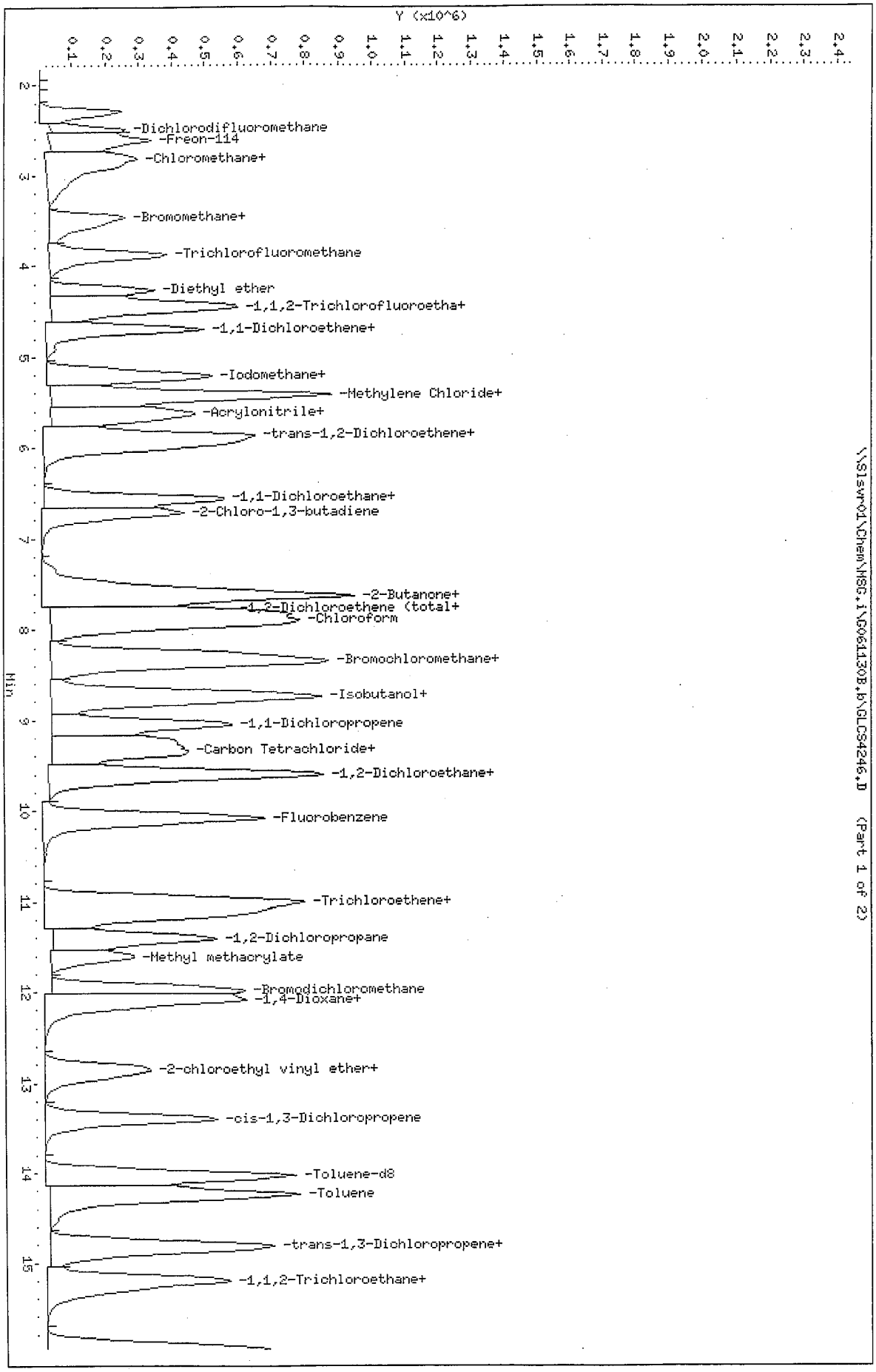
STL St. Louis

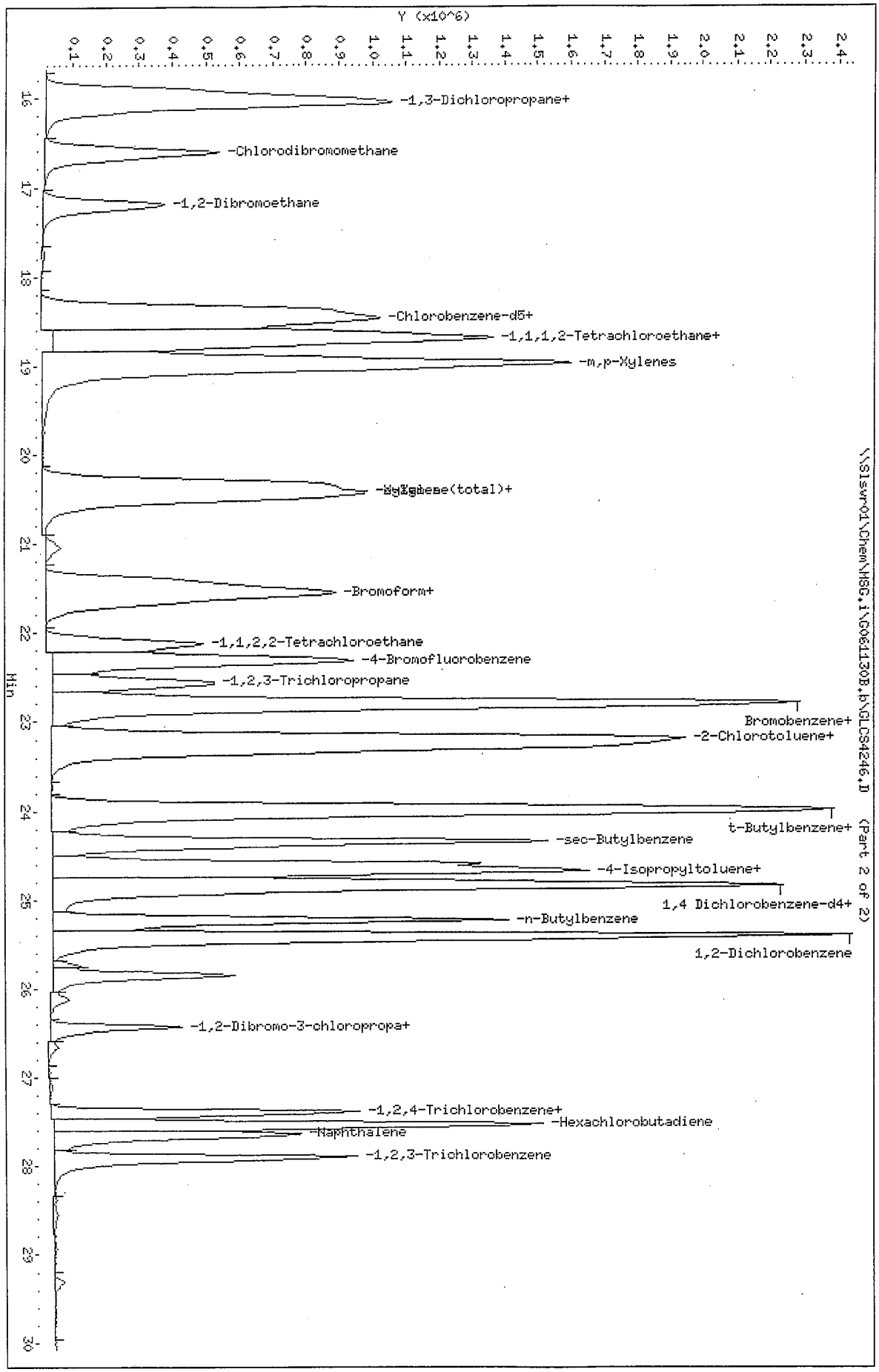
RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: JKL3J1AC
Level: LOW
Data Type: MS DATA
SpikeList File: LCS6147W5.spk
Sublist File: H2O.sub
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B;F6L010000-214C;6335214

Client SDG: SDGa00861
Fraction: VOA
Client Smp ID: JKL3J1AC
Operator: TM
SampleType: LCS
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 36 Dibromofluorometha	50.00	53.20	106.40	79-132
$ 43 1,2-Dichloroethane	50.00	50.51	101.01	71-138
$ 61 Toluene-d8	50.00	52.58	105.17	75-136
$ 83 4-Bromofluorobenze	50.00	48.94	97.89	75-132


Data File: \\Slsvr01\Chem\MSG,i\G061130B,b\GLCS4246.D
Date : 30-NOV-2006 15:12
Client ID: JKL3J1AC
Sample Info: JKL3J1AC;G061130B,b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG,i
Operator: TM
Column diameter: 0.53
\\Slsvr01\Chem\MSG,i\G061130B,b\GLCS4246.D (Part 1 of 2)
Y (x10^6)
Min
-Dichlorodifluoromethane
-Freon-114
-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Diethyl ether
-1,1,2-Trichlorofluoroetha+
-1,1-Dichloroethene+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-trans-1,2-Dichloroethene+
-1,1-Dichloroethane+
-2-Chloro-1,3-butadiene
-2-Butanone+
-1,2-Dichloroethene (total+
-Chloroform
-Bromochloromethane+
-Isobutanol+
-1,1-Dichloropropene
-Carbon Tetrachloride+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene+
-1,2-Dichloropropane
-Methyl methacrylate
-Bromodichloromethane
-1,4-Dioxane+
-2-chloroethyl vinyl ether+
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane+


Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GLCS4246.D
Date : 30-NOV-2006 15:12
Client ID: JKL3J1AC
Sample Info: JKL3J1AC;G061130B.b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG.i
Operator: TM
Column diameter: 0.53
\\Slsvr01\Chem\MSG.i\G061130B.b\GLCS4246.D (Part 2 of 2)
Y (x10^6)
Min
-1,3-Dichloropropane+
-Chlorodibromomethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m,p-Xylenes
-Bromoform+
-1,1,2,2-Tetrachloroethane
-4-Bromofluorobenzene
-1,2,3-Trichloropropane
Bromobenzene+
-2-Chlorotoluene+
t-Butylbenzene+
-sec-Butylbenzene
-4-Isopropyltoluene+
1,4 Dichlorobenzene-d4+
-n-Butylbenzene
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa+
-1,2,4-Trichlorobenzene+
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D
Report Date: 12-Dec-2006 17:53

STL St. Louis

GC/MS VOLATILES

Data file : \\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D
Lab Smp Id: JLA9D1AC Client Smp ID: JLA9D1AC
Inj Date : 11-DEC-2006 15:32
Operator : JDH Inst ID: MSF.i
Smp Info : JLA9D1AC;F0612011A.B
Misc Info : VBLKF345A.B; F6L120000-526C; 6346526
Comment : NONE
Method : \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Meth Date : 11-Dec-2006 18:12 hannj Quant Type: ISTD
Cal Date : 07-DEC-2006 16:31 Cal File: FCAL0867.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H2O-QC.sub
Target Version: 4.10
Processing Host: SLGC01

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume (mL)
Vo	5.000	Volume of Sample Purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	1.902	1.901	(0.255)	264374	35.3232	35.32
2 Freon-114	135	2.031	2.030	(0.272)	132134	42.1638	42.16
3 Chloromethane	50	2.088	2.094	(0.280)	359535	39.8033	39.80
4 Vinyl Chloride	62	2.174	2.180	(0.292)	469069	40.7802	40.78
5 Bromomethane	94	2.496	2.495	(0.335)	319674	42.6269	42.63
6 Chloroethane	64	2.625	2.638	(0.352)	296828	41.2258	41.22
7 Trichlorofluoromethane	101	2.768	2.766	(0.371)	587171	41.8870	41.89
8 Diethyl ether	74	3.075	3.081	(0.412)	420208	84.4201	84.42
9 1,1-Dichloroethene	96	3.311	3.317	(0.444)	243791	48.6916	48.69
10 Carbon Disulfide	76	3.354	3.360	(0.450)	924819	49.2488	49.25
11 1,1,2-Trichlorofluoroethane	151	3.361	3.374	(0.451)	168451	50.5532	50.55
12 Iodomethane	142	3.483	3.488	(0.467)	341487	66.3302	66.33(R)
13 Acrolein	56	3.704	3.710	(0.497)	28065	193.556	193.6
14 Allyl chloride	39	3.876	3.882	(0.520)	275104	47.8685	47.87
15 Methylene Chloride	84	4.012	4.018	(0.538)	320374	53.6718	53.67
16 Acetone	43	4.076	4.089	(0.547)	45119	40.7002	40.70
17 trans-1,2-Dichloroethene	96	4.226	4.232	(0.567)	258001	49.7627	49.76
18 Methyl Acetate	74	4.241	4.239	(0.569)	27931	42.0846	42.08
19 n-Hexane	86	4.326	4.332	(0.580)	74655	49.4368	49.44
20 MTBE	73	4.369	4.375	(0.586)	622013	47.2914	47.29
21 Acetonitrile	41	4.741	4.740	(0.636)	95803	204.981	205.0(M)
22 2-Chloro-1,3-butadiene	53	5.063	5.069	(0.679)	376411	51.9081	51.91

JMK 12-12-06

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D
Report Date: 12-Dec-2006 17:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	23 1,1-Dichloroethane	63	5.091	5.097	(0.683)	508349	48.3645	48.36
	24 Acrylonitrile	53	5.170	5.176	(0.693)	288934	222.648	222.6
	25 Vinyl acetate	43	5.449	5.455	(0.731)	391836	50.1910	50.19
M	26 1,2-Dichloroethene (total)	96				533179	101.829	101.8
	27 cis-1,2-Dichloroethene	96	5.828	5.841	(0.781)	275178	52.0667	52.07
	28 2,2-Dichloropropane	77	5.978	5.984	(0.802)	381722	53.5904	53.59
	30 Bromochloromethane	128	6.085	6.098	(0.816)	104437	47.7773	47.78
	29 Cyclohexane	84	6.092	6.098	(0.817)	383169	52.3291	52.33
	31 Chloroform	83	6.185	6.198	(0.829)	463315	48.2885	48.29
	33 Ethyl acetate	45	6.364	6.370	(0.853)	46553	81.9216	81.92
	32 Carbon Tetrachloride	117	6.364	6.370	(0.853)	346099	49.8537	49.85
	34 Tetrahydrofuran	71	6.393	6.406	(0.857)	101166	236.908	236.9
$	35 Dibromofluoromethane	113	6.429	6.434	(0.862)	188835	45.6436	45.64
	36 1,1,1-Trichloroethane	97	6.457	6.463	(0.866)	417653	51.1467	51.15
	37 2-Butanone	43	6.607	6.606	(0.886)	70209	42.4919	42.49
	39 1,1-Dichloropropene	75	6.622	6.627	(0.888)	358935	52.2849	52.28
	40 Benzene	78	6.936	6.942	(0.930)	1055477	49.1864	49.19
	41 Propionitrile	54	6.979	6.985	(0.936)	109747	215.254	215.2
	42 Methacrylonitrile	41	7.001	7.006	(0.939)	511762	221.546	221.5
$	43 1,2-Dichloroethane-d4	65	7.108	7.114	(0.953)	232770	42.6754	42.68
	44 1,2-Dichloroethane	62	7.194	7.199	(0.965)	299390	47.0838	47.08
	45 Isobutanol	43	7.229	7.228	(0.969)	133766	789.466	789.5
*	46 Fluorobenzene	96	7.458	7.464	(1.000)	928134	50.0000	
	47 Methylcyclohexane	55	7.651	7.657	(1.026)	402642	49.3905	49.39
	48 Trichloroethene	95	7.665	7.671	(1.028)	257679	51.1873	51.19
	49 n-Butanol	56	7.651	7.657	(1.026)	134328	496.439	496.4
	50 Dibromomethane	93	8.180	8.186	(1.097)	114368	46.3484	46.35
	51 1,2-Dichloropropane	63	8.309	8.315	(1.114)	255213	48.6192	48.62
	52 Bromodichloromethane	83	8.388	8.393	(1.125)	328070	49.1527	49.15
	53 Methyl methacrylate	69	8.595	8.601	(1.152)	100102	47.2703	47.27
	54 1,4-Dioxane	88	8.638	8.637	(1.158)	24642	918.388	918.4(M)
	55 2-Chloroethylvinyl ether	63	9.096	9.101	(1.220)	100181	54.9293	54.93
	56 cis-1,3-Dichloropropene	75	9.160	9.159	(1.228)	375818	52.7486	52.75
$	57 Toluene-d8	98	9.374	9.380	(0.859)	734023	44.6121	44.61
	58 Toluene	92	9.432	9.430	(0.864)	616793	49.8787	49.88
	59 2-Nitropropane	43	9.696	9.702	(0.889)	73759	38.7938	38.79
	60 Tetrachloroethene	164	9.839	9.845	(0.902)	179073	51.2354	51.24
	62 4-Methyl-2-pentanone	43	9.846	9.852	(1.320)	157472	49.2473	49.25
	63 trans-1,3-Dichloropropene	75	9.882	9.881	(0.906)	300242	51.5321	51.53
	64 1,1,2-Trichloroethane	83	10.039	10.045	(0.920)	140841	46.1667	46.17
	65 Ethyl methacrylate	69	10.046	10.052	(0.921)	222664	50.8740	50.87
	66 Chlorodibromomethane	129	10.218	10.217	(0.936)	185725	47.9734	47.97
	67 1,3-Dichloropropane	76	10.311	10.317	(0.945)	306554	45.3540	45.35
	68 1,2-Dibromoethane	107	10.447	10.446	(0.957)	143146	48.5994	48.60
	69 2-Hexanone	43	10.661	10.667	(0.977)	91900	44.1289	44.13
*	70 Chlorobenzene-d5	117	10.912	10.917	(1.000)	586150	50.0000	
	71 Chlorobenzene	112	10.926	10.932	(1.001)	626402	48.3611	48.36
	72 Ethylbenzene	91	10.947	10.953	(1.003)	1192940	48.5299	48.53
	73 1,1,1,2-Tetrachloroethane	131	10.983	10.989	(1.007)	220611	48.5257	48.52
	74 m,p-Xylenes	106	11.076	11.082	(1.015)	897185	102.648	102.6
	75 o-Xylene	106	11.448	11.447	(1.049)	438231	53.1779	53.18
	76 Styrene	104	11.491	11.489	(1.053)	658321	55.1277	55.13
	77 Bromoform	173	11.519	11.518	(0.901)	98196	49.2257	49.22
	78 Isopropylbenzene	105	11.705	11.704	(1.073)	1058319	54.1957	54.20

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D
Report Date: 12-Dec-2006 17:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 79 4-Bromofluorobenzene	95	11.934	11.940	(0.933)	257851	43.3426	43.34
80 Bromobenzene	156	12.020	12.026	(0.940)	232991	51.3115	51.31
81 n-Propylbenzene	91	12.034	12.033	(0.941)	1463460	53.4697	53.47
82 1,1,2,2-Tetrachloroethane	83	12.091	12.090	(0.945)	201888	43.9127	43.91
83 2-Chlorotoluene	91	12.163	12.162	(1.631)	982673	54.6650	54.66
84 1,3,5-Trimethylbenzene	105	12.184	12.183	(0.952)	1057988	54.8361	54.84
85 1,2,3-Trichloropropane	75	12.199	12.204	(0.954)	182670	41.7608	41.76(M)
86 trans-1,4-dichloro-2-butene	53	12.227	12.233	(0.956)	52731	43.7163	43.72(M)
87 Cyclohexanone	55	12.242	12.247	(1.122)	109235	494.606	494.6
88 4-Chlorotoluene	91	12.292	12.290	(1.648)	842024	52.2198	52.22
89 t-Butylbenzene	119	12.427	12.433	(0.971)	1026793	54.8721	54.87
90 Pentachloroethane	167	12.456	12.455	(0.974)	149866	49.9392	49.94
91 1,2,4-Trimethylbenzene	105	12.478	12.483	(0.975)	1044954	52.4289	52.43
92 sec-Butylbenzene	105	12.563	12.562	(0.982)	1357803	53.4289	53.43
93 4-Isopropyltoluene	119	12.663	12.662	(0.990)	1079300	55.8851	55.88
94 1,3-Dichlorobenzene	146	12.742	12.741	(0.996)	483090	50.7771	50.78
* 95 1,4 Dichlorobenzene-d4	152	12.792	12.791	(1.000)	284381	50.0000	
96 1,4-Dichlorobenzene	146	12.806	12.805	(1.001)	491065	47.0929	47.09
98 n-Butylbenzene	91	12.978	12.977	(1.015)	1128224	52.6350	52.64
99 1,2-Dichlorobenzene	146	13.114	13.120	(1.025)	451304	48.7462	48.75
100 1,2-Dibromo-3-chloropropane	157	13.686	13.692	(1.070)	33660	46.7180	46.72
101 Hexachlorobutadiene	225	14.122	14.121	(1.104)	183379	53.5817	53.58
104 1,2,4-Trichlorobenzene	180	14.158	14.156	(1.107)	343390	52.0010	52.00
105 Naphthalene	128	14.387	14.385	(1.125)	706492	47.0735	47.07
106 1,2,3-Trichlorobenzene	180	14.515	14.521	(1.135)	309098	49.6639	49.66
M 107 Xylenes (total)	106				1335416	155.826	155.8

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D
Report Date: 12-Dec-2006 17:53

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSF.i
Lab File ID: FLCS0919A.D
Lab Smp Id: JLA9D1AC
Analysis Type: VOA
Quant Type: ISTD
Operator: JDH
Method File: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Misc Info: VBLKF345A.B; F6L120000-526C; 6346526

Calibration Date: 11-DEC-2006
Calibration Time: 14:54
Client Smp ID: JLA9D1AC
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	848592	424296	1697184	928134	9.37
70 Chlorobenzene-d5	523983	261992	1047966	586150	11.86
95 1,4 Dichlorobenze	254858	127429	509716	284381	11.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 Fluorobenzene	7.46	6.96	7.96	7.46	-0.08
70 Chlorobenzene-d5	10.92	10.42	11.42	10.91	-0.05
95 1,4 Dichlorobenze	12.79	12.29	13.29	12.79	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D
Report Date: 12-Dec-2006 17:53

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RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: JLA9D1AC
Level: LOW
Data Type: MS DATA
SpikeList File: LCS6147W5.spk
Sublist File: H2O-QC.sub
Method File: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Misc Info: VBLKF345A.B; F6L120000-526C; 6346526

Client SDG: G990217B.B
Fraction: VOA
Client Smp ID: JLA9D1AC
Operator: JDH
SampleType: LCS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	1 Dichlorodifluorome	50.00	35.32	70.65	47-150
	2 Freon-114	50.00	42.16	84.33	70-130
	3 Chloromethane	50.00	39.80	79.61	45-143
	4 Vinyl Chloride	50.00	40.78	81.56	62-138
	5 Bromomethane	50.00	42.63	85.25	55-140
	6 Chloroethane	50.00	41.22	82.45	60-150
	7 Trichlorofluoromet	50.00	41.89	83.77	57-150
	8 Diethyl ether	100.0	84.42	84.42	64-147
	9 1,1-Dichloroethene	50.00	48.69	97.38	64-119
	10 Carbon Disulfide	50.00	49.25	98.50	52-149
	11 1,1,2-Trichloroflu	50.00	50.55	101.11	60-139
	12 Iodomethane	50.00	66.33	132.66*	70-130
	13 Acrolein	250.0	193.6	77.42	70-130
	14 Allyl chloride	50.00	47.87	95.74	59-150
	15 Methylene Chloride	50.00	53.67	107.34	47-146
	16 Acetone	50.00	40.70	81.40	50-150
	17 trans-1,2-Dichloro	50.00	49.76	99.53	70-132
	18 Methyl Acetate	50.00	42.08	84.17	70-130
	19 n-Hexane	50.00	49.44	98.87	55-128
	20 MTBE	50.00	47.29	94.58	65-143
	21 Acetonitrile	250.0	205.0	81.99	70-130
	22 2-Chloro-1,3-butad	50.00	51.91	103.82	52-140
	23 1,1-Dichloroethane	50.00	48.36	96.73	73-126
	24 Acrylonitrile	250.0	222.6	89.06	70-130
	25 Vinyl acetate	50.00	50.19	100.38	70-130
M	26 1,2-Dichloroethene	100.0	101.8	101.83	74-127
	27 cis-1,2-Dichloroet	50.00	52.07	104.13	77-126
	28 2,2-Dichloropropan	50.00	53.59	107.18	67-137
	30 Bromochloromethane	50.00	47.78	95.55	71-134
	29 Cyclohexane	50.00	52.33	104.66	70-130
	31 Chloroform	50.00	48.29	96.58	74-129
	32 Carbon Tetrachlori	50.00	49.85	99.71	66-134
	33 Ethyl acetate	100.0	81.92	81.92	70-130
	34 Tetrahydrofuran	250.0	236.9	94.76	55-144
	36 1,1,1-Trichloroeth	50.00	51.15	102.29	73-128
	37 2-Butanone	50.00	42.49	84.98	50-150
	39 1,1-Dichloropropen	50.00	52.28	104.57	76-130
	40 Benzene	50.00	49.19	98.37	79-123
	41 Propionitrile	250.0	215.2	86.10	70-130
	42 Methacrylonitrile	250.0	221.5	88.62	70-130

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D
Report Date: 12-Dec-2006 17:53

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
44	1,2-Dichloroethane	50.00	47.08	94.17	70-130
45	Isobutanol	1000	789.5	78.95	70-130
47	Methylcyclohexane	50.00	49.39	98.78	70-130
48	Trichloroethene	50.00	51.19	102.37	67-121
49	n-Butanol	500.0	496.4	99.29	70-130
50	Dibromomethane	50.00	46.35	92.70	50-150
51	1,2-Dichloropropan	50.00	48.62	97.24	76-128
52	Bromodichlorometha	50.00	49.15	98.31	73-123
53	Methyl methacrylat	50.00	47.27	94.54	67-148
54	1,4-Dioxane	1000	918.4	91.84	70-130
55	2-Chloroethylvinyl	50.00	54.93	109.86	70-130
56	cis-1,3-Dichloropr	50.00	52.75	105.50	72-128
58	Toluene	50.00	49.88	99.76	71-128
59	2-Nitropropane	50.00	38.79	77.59	25-150
60	Tetrachloroethene	50.00	51.24	102.47	60-113
62	4-Methyl-2-pentano	50.00	49.25	98.49	50-150
63	trans-1,3-Dichloro	50.00	51.53	103.06	74-149
64	1,1,2-Trichloroeth	50.00	46.17	92.33	77-122
65	Ethyl methacrylate	50.00	50.87	101.75	66-132
66	Chlorodibromometha	50.00	47.97	95.95	73-132
67	1,3-Dichloropropan	50.00	45.35	90.71	77-126
68	1,2-Dibromoethane	50.00	48.60	97.20	75-135
69	2-Hexanone	50.00	44.13	88.26	60-150
71	Chlorobenzene	50.00	48.36	96.72	85-116
72	Ethylbenzene	50.00	48.53	97.06	82-121
73	1,1,1,2-Tetrachlor	50.00	48.52	97.05	74-129
74	m,p-Xylenes	100.0	102.6	102.65	81-127
75	o-Xylene	50.00	53.18	106.36	79-128
76	Styrene	50.00	55.13	110.26	77-131
77	Bromoform	50.00	49.22	98.45	72-126
78	Isopropylbenzene	50.00	54.20	108.39	83-149
80	Bromobenzene	50.00	51.31	102.62	76-124
81	n-Propylbenzene	50.00	53.47	106.94	75-132
82	1,1,2,2-Tetrachlor	50.00	43.91	87.83	71-136
83	2-Chlorotoluene	50.00	54.66	109.33	68-137
84	1,3,5-Trimethylben	50.00	54.84	109.67	74-132
86	trans-1,4-dichloro	50.00	43.72	87.43	52-146
87	Cyclohexanone	500.0	494.6	98.92	20-150
88	4-Chlorotoluene	50.00	52.22	104.44	70-139
89	t-Butylbenzene	50.00	54.87	109.74	60-137
90	Pentachloroethane	50.00	49.94	99.88	82-122
92	sec-Butylbenzene	50.00	53.43	106.86	72-127
93	4-Isopropyltoluene	50.00	55.88	111.77	76-139
94	1,3-Dichlorobenzen	50.00	50.78	101.55	82-119
96	1,4-Dichlorobenzen	50.00	47.09	94.19	78-116
98	n-Butylbenzene	50.00	52.64	105.27	74-134
99	1,2-Dichlorobenzen	50.00	48.75	97.49	76-125
100	1,2-Dibromo-3-chlo	50.00	46.72	93.44	54-145
101	Hexachlorobutadien	50.00	53.58	107.16	54-143
104	1,2,4-Trichloroben	50.00	52.00	104.00	55-144
105	Naphthalene	50.00	47.07	94.15	55-150
106	1,2,3-Trichloroben	50.00	49.66	99.33	51-147

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D
Report Date: 12-Dec-2006 17:53

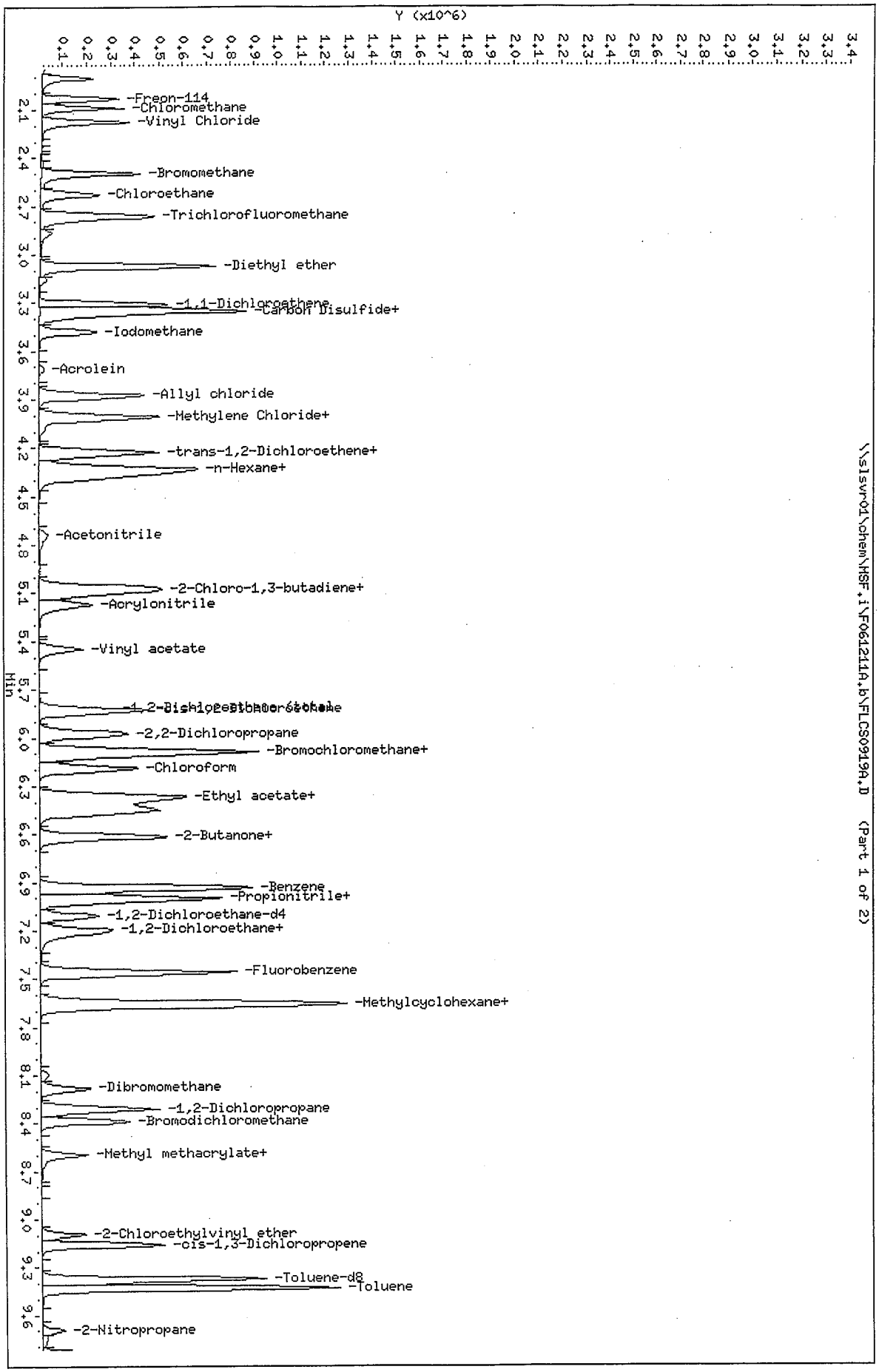
STL St. Louis

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: JLA9D1AC
Level: LOW
Data Type: MS DATA
SpikeList File: LCS6147W5.spk
Sublist File: H2O-QC.sub
Method File: \\slsvr01\chem\MSF.i\F061211A.b\8260B-F5mL.m
Misc Info: VBLKF345A.B; F6L120000-526C; 6346526

Client SDG: G990217B.B
Fraction: VOA
Client Smp ID: JLA9D1AC
Operator: JDH
SampleType: LCS
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 35 Dibromofluorometha	50.00	45.64	91.29	78-124
$ 43 1,2-Dichloroethane	50.00	42.68	85.35	71-125
$ 57 Toluene-d8	50.00	44.61	89.22	81-124
$ 79 4-Bromofluorobenze	50.00	43.34	86.69	71-124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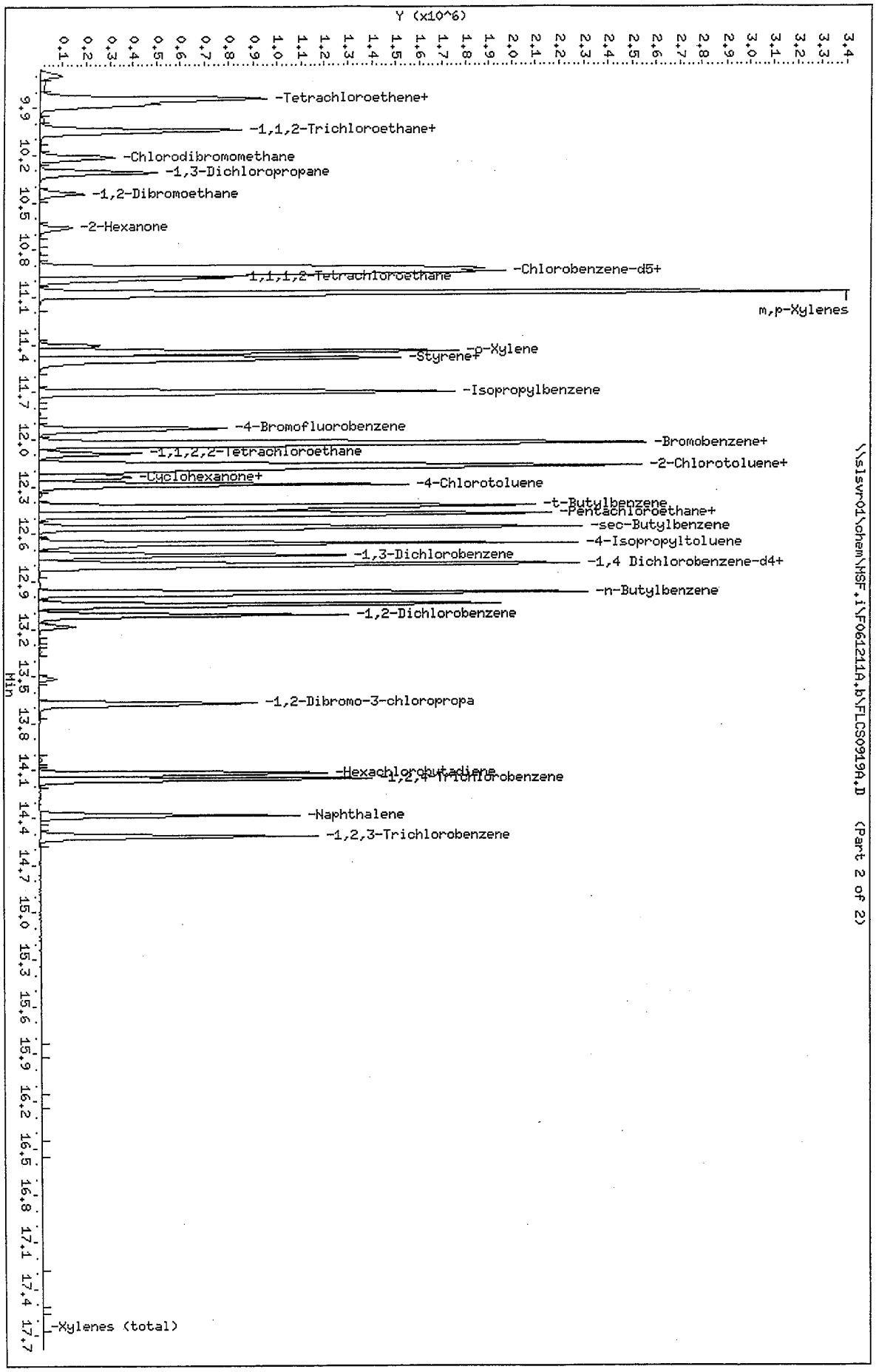
Date : 11-DEC-2006 15:32
Client ID: JLA9D1AC
Sample Info: JLA9D1AC;F061211A.B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: HSF.i
Operator: JDH
Column diameter: 0.25
\\slsvr01\chem\HSF.i\F061211A.b\FLCS0919A.D (Part 1 of 2)
Y (x10^6)
Min
-Freon-114
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Diethyl ether
-1,1-Dichloroethene
-Carbon Disulfide+
-Iodomethane
-Acrolein
-Allyl chloride
-Methylene Chloride+
-trans-1,2-Dichloroethene+
-n-Hexane+
-Acetonitrile
-2-Chloro-1,3-butadiene+
-Acrylonitrile
-Vinyl acetate
-1,2-Dichloroethane
-2,2-Dichloropropane
-Bromochloromethane+
-Chloroform
-Ethyl acetate+
-2-Butanone+
-Benzene
-Propionitrile+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Methylcyclohexane+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-Methyl methacrylate+
-2-Chloroethylvinyl ether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-2-Nitropropane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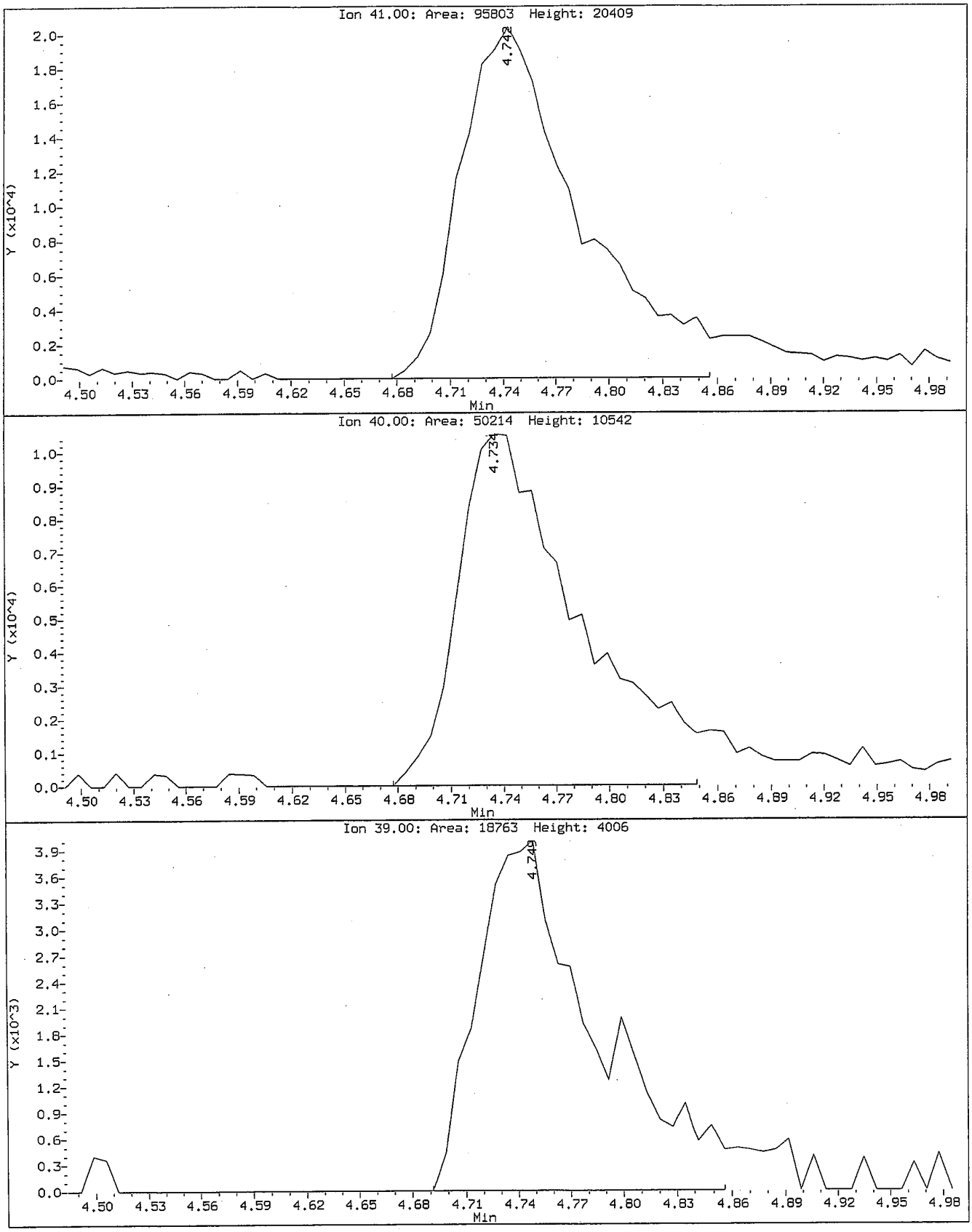
Date : 11-DEC-2006 15:32
Client ID: JLA9D1AC
Sample Info: JLA9D1AC;F061211A.B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: MSF.i
Operator: JDH
Column diameter: 0.25
Y (x10^6)
Min
\\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D (Part 2 of 2)
-Tetrachloroethene+
-1,1,2-Trichloroethane+
-Chlorodibromomethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-2-Hexanone
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane
m,p-Xylenes
-p-Xylene
-Styrene+
-Isopropylbenzene
-4-Bromofluorobenzene
-Bromobenzene+
-1,1,2,2-Tetrachloroethane
-2-Chlorotoluene+
-Cyclohexanone+
-4-Chlorotoluene
-t-Butylbenzene
-Pentachloroethane+
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
-1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Hexachlorobutadiene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
-Xylenes (total)

Data File: \\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D
Injection Date: 11-DEC-2006 15:32
Instrument: MSF.i
Client Sample ID: JLA9D1AC

Compound: Acetonitrile
CAS Number: 75-05-8

DMK 12-12-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



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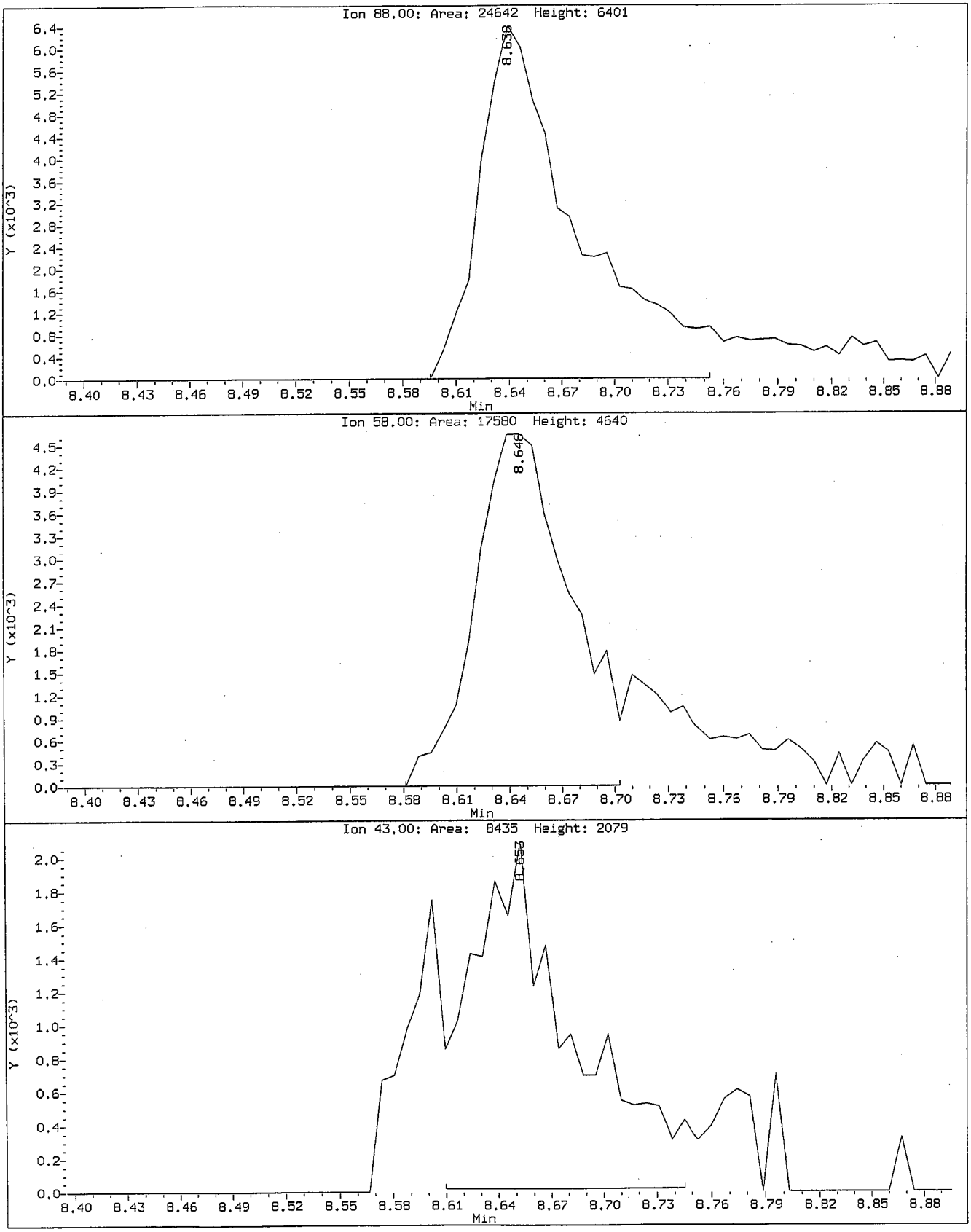
Injection Date: 11-DEC-2006 15:32
Instrument: MSF.i
Client Sample ID: JLA9D1AC

Compound: 1,4-Dioxane
CAS Number: 123-91-1

JMK 12-12-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____

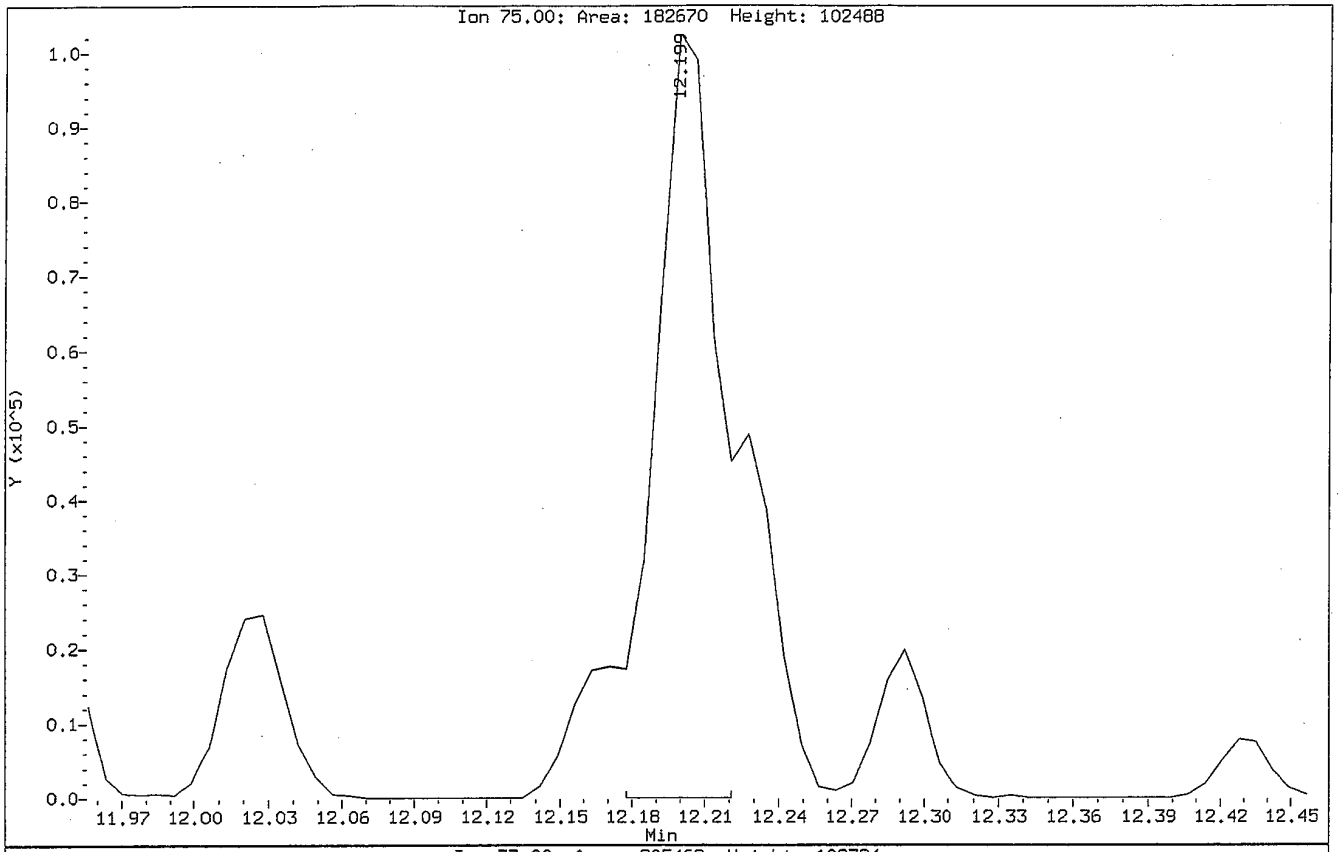


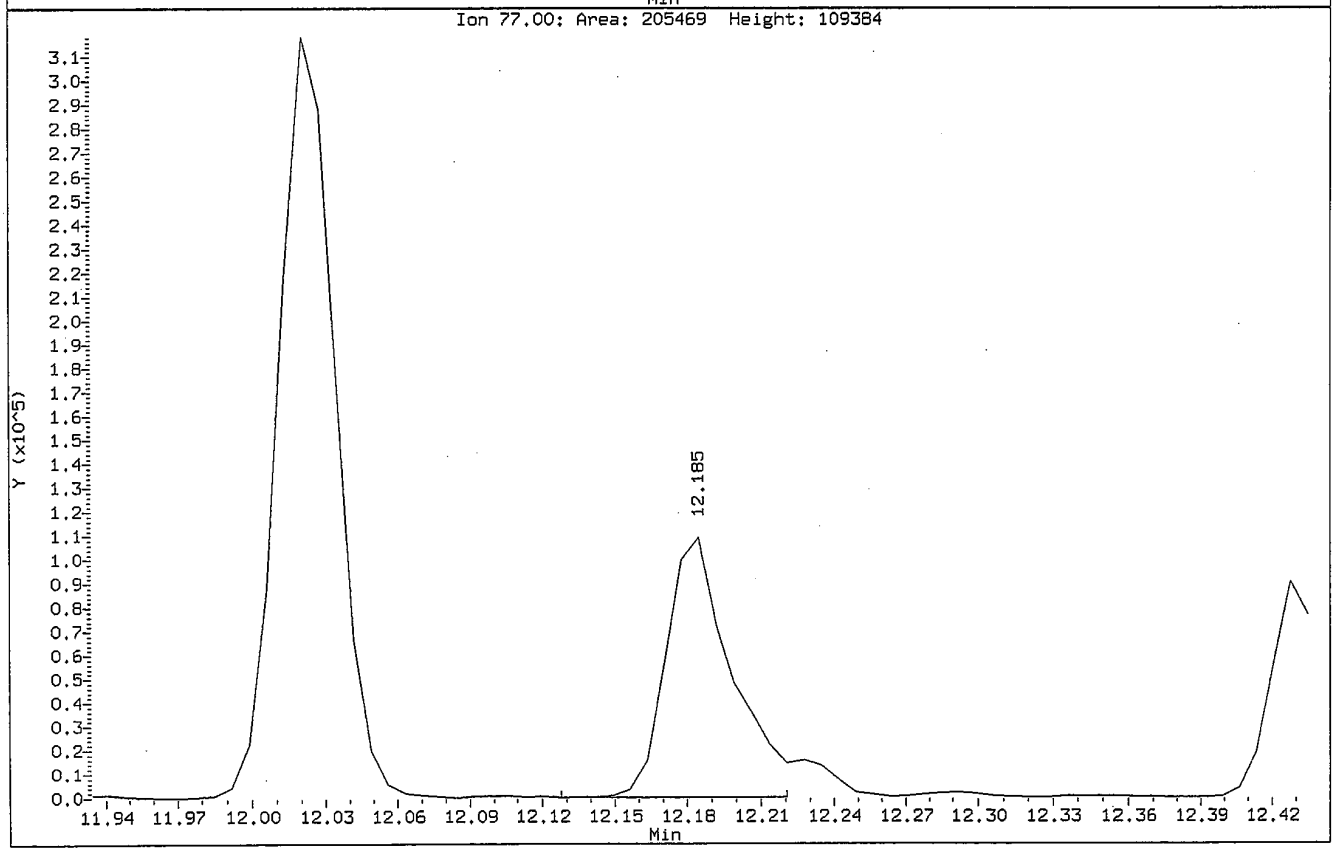
Data File: \\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D
Injection Date: 11-DEC-2006 15:32
Instrument: MSF.i
Client Sample ID: JLA9D1AC

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4

JMK 12-12-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



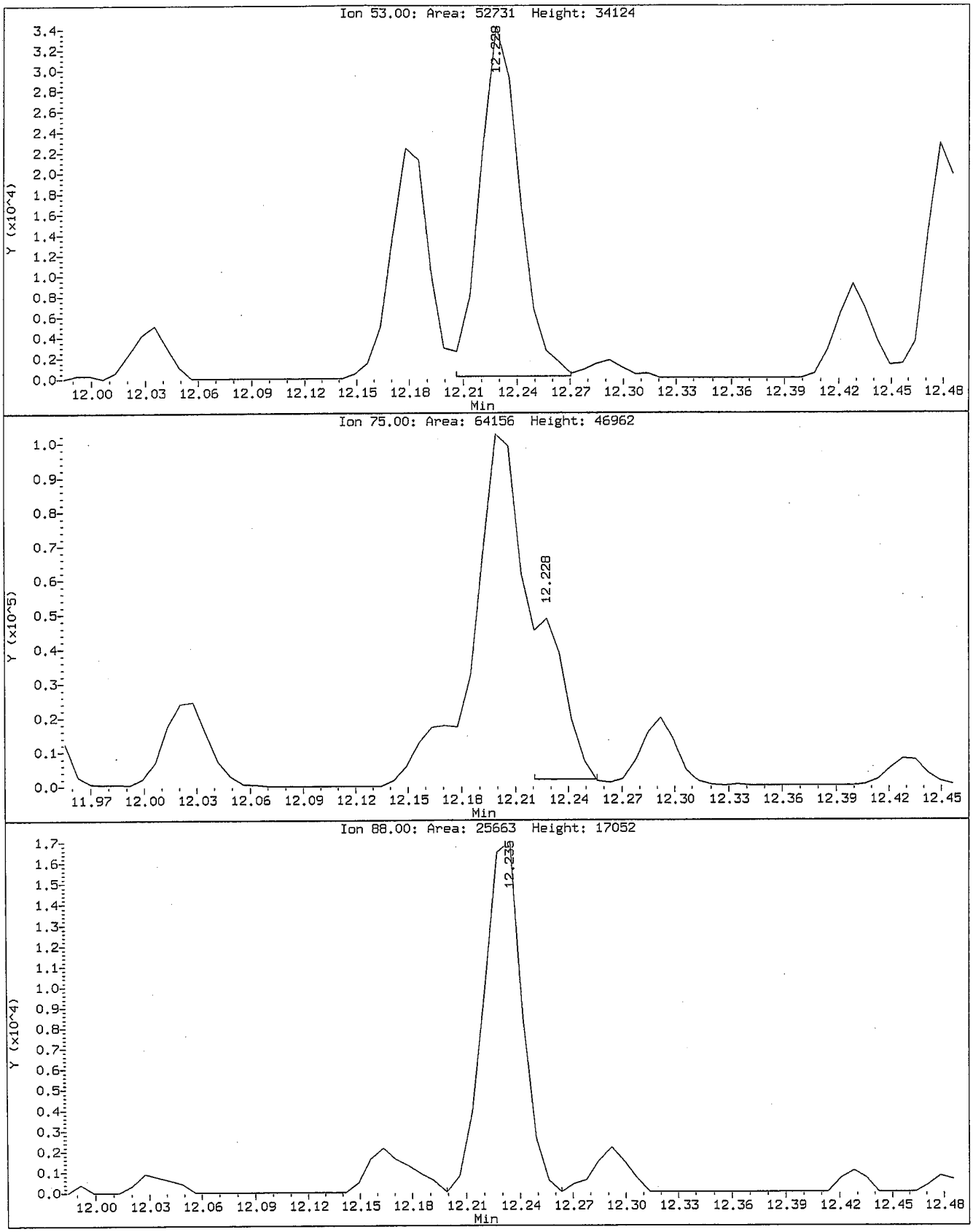


Data File: \\slsvr01\chem\MSF.i\F061211A.b\FLCS0919A.D
Injection Date: 11-DEC-2006 15:32
Instrument: MSF.i
Client Sample ID: JLA9D1AC

Compound: trans-1,4-dichloro-2-butene
CAS Number: 110-57-6

JMW 12-12-06

1. Peak Not Found
2. Incomplete Integration
3. Wrong Peak
4. Other_____



Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4261.D
Report Date: 01-Dec-2006 12:03

STL St. Louis

GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4261.D
Lab Smp Id: JKE9P1AD Client Smp ID: B1LB37
Inj Date : 01-DEC-2006 00:21
Operator : TM Inst ID: MSG.i
Smp Info : JKE9P1AD;G061130B.b
Misc Info : VBLKG334B.B; F6K280244-001;6335214; MS
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Meth Date : 30-Nov-2006 15:12 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 23:10 Cal File: GCAL4175.D
Als bottle: 18 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H2O-qc.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	2.525	2.486	(0.249)	722584	43.0662	43.07(M)
2 Freon-114	135	2.646	2.625	(0.261)	263906	38.1938	38.19
3 Chloromethane	50	2.838	2.799	(0.280)	769488	52.1835	52.18
4 Vinyl Chloride	62	2.925	2.903	(0.289)	443255	39.1273	39.13
5 Bromomethane	94	3.498	3.459	(0.346)	702358	51.0242	51.02
6 Chloroethane	64	3.603	3.546	(0.356)	432780	52.4519	52.45
7 Trichlorofluoromethane	101	3.916	3.859	(0.387)	1335174	56.3896	56.39
8 Diethyl ether	59	4.298	4.259	(0.425)	686583	107.527	107.5(R)
9 1,1,2-Trichlorofluoroethane	101	4.489	4.433	(0.444)	1392538	55.3340	55.33
11 Acetone	43	4.594	4.520	(0.454)	122502	57.4950	57.50
12 1,1-Dichloroethene	96	4.733	4.694	(0.468)	660741	53.5885	53.59
13 Acetonitrile	41	4.959	4.920	(0.490)	129606	225.297	225.3
14 Iodomethane	142	5.202	5.129	(0.514)	752193	53.4011	53.40
15 Methyl acetate	74	5.220	5.163	(0.516)	78727	49.0170	49.02
16 Allyl chloride	39	5.272	5.215	(0.521)	531705	51.0494	51.05
17 Methylene Chloride	84	5.463	5.389	(0.540)	928788	50.8412	50.84
18 Carbon Disulfide	76	5.481	5.424	(0.541)	2265202	57.9599	57.96
19 Acrylonitrile	53	5.637	5.581	(0.557)	379854	230.592	230.6
20 MTBE	73	5.689	5.633	(0.562)	1499496	55.2598	55.26
21 trans-1,2-Dichloroethene	96	5.898	5.841	(0.583)	739055	54.2938	54.29
22 n-Hexane	57	6.020	5.946	(0.595)	973123	50.5047	50.50
23 1,1-Dichloroethane	63	6.611	6.537	(0.653)	1398315	51.1713	51.17

12-1-06

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4261.D
Report Date: 01-Dec-2006 12:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	24 Vinyl acetate	43	6.611	6.537	(0.653)	1213987	56.6717	56.67
	25 2-Chloro-1,3-butadiene	53	6.767	6.693	(0.668)	978427	50.9870	50.99
	27 2-Butanone	43	7.358	7.302	(0.727)	198539	52.5518	52.55
	28 Propionitrile	54	7.480	7.424	(0.739)	202277	245.131	245.1
	29 2,2-Dichloropropane	77	7.602	7.528	(0.751)	1252591	54.3025	54.30
	30 cis-1,2-Dichloroethene	96	7.689	7.632	(0.760)	802532	53.4566	53.46
	31 Ethyl acetate	43	7.671	7.615	(0.758)	1087081	100.676	100.7
	32 Methacrylonitrile	41	7.863	7.789	(0.777)	1675202	278.833	278.8
M	38 1,2-Dichloroethene (total)	96				1541587	107.750	107.8
	33 Chloroform	83	7.984	7.911	(0.789)	1869796	65.4280	65.43
	34 Bromochloromethane	128	8.297	8.241	(0.820)	496167	54.5319	54.53
	35 Isobutanol	42	8.819	8.728	(0.871)	263613	1007.63	1008
	37 Tetrahydrofuran	71	8.384	8.328	(0.828)	242820	250.403	250.4(R)
$	36 Dibromofluoromethane	113	8.402	8.328	(0.830)	1165353	51.5071	51.51
	39 1,1,1-Trichloroethane	97	8.767	8.693	(0.866)	1261049	54.3286	54.33
	40 Cyclohexane	84	8.802	8.745	(0.869)	838341	51.3394	51.34
	41 1,1-Dichloropropene	75	9.080	9.023	(0.897)	1264422	52.4875	52.49
	42 Carbon Tetrachloride	117	9.288	9.232	(0.918)	35149806	1814.82	1815(AR)
	45 n-Butanol	56	9.410	9.319	(0.930)	118952	380.853	380.8
$	43 1,2-Dichloroethane-d4	67	9.427	9.354	(0.931)	350064	47.0141	47.01
	46 1,2-Dichloroethane	62	9.619	9.545	(0.950)	843538	52.2916	52.29
	47 Benzene	78	9.671	9.580	(0.955)	2006986	45.8268	45.83
*	48 Fluorobenzene	96	10.123	10.049	(1.000)	2630569	50.0000	
	49 Trichloroethene	130	11.010	10.953	(1.088)	997261	54.8868	54.89
	50 Methylcyclohexane	55	11.149	11.092	(1.101)	1084680	49.2175	49.22
	51 1,2-Dichloropropane	63	11.444	11.371	(1.131)	960447	51.0948	51.09
	52 Methyl methacrylate	69	11.653	11.579	(1.151)	451755	50.2488	50.25
	53 Bromodichloromethane	83	12.001	11.927	(1.185)	1646117	54.7256	54.72
	55 1,4-Dioxane	88	12.123	12.031	(1.198)	155185	1069.37	1069
	54 Dibromomethane	93	12.123	12.049	(1.198)	832115	52.0318	52.03
	56 2-Nitropropane	43	12.209	12.136	(1.206)	327808	46.6256	46.62(R)
	58 4-Methyl-2-pentanone	43	12.940	12.831	(1.278)	735670	37.8706	37.87
	59 cis-1,3-Dichloropropene	75	13.427	13.353	(1.326)	1388482	53.1331	53.13
$	61 Toluene-d8	98	14.053	13.996	(0.763)	2588534	54.8073	54.81
	62 Toluene	91	14.279	14.205	(0.775)	2545339	47.0855	47.08
	63 trans-1,3-Dichloropropene	75	14.818	14.744	(0.805)	1071463	55.3201	55.32
	64 Ethyl methacrylate	69	14.887	14.813	(0.808)	1095602	56.2003	56.20
	65 1,1,2-Trichloroethane	97	15.218	15.161	(0.826)	796281	54.2519	54.25
	66 2-Hexanone	43	15.357	15.283	(0.834)	525046	54.8412	54.84
	67 1,3-Dichloropropane	76	15.948	15.909	(0.866)	1352366	55.2261	55.23
	68 Tetrachloroethene	164	16.104	16.013	(0.874)	927355	51.1086	51.11
	69 Chlorodibromomethane	129	16.661	16.587	(0.905)	1039313	50.5676	50.57
	70 1,2-Dibromoethane	107	17.234	17.161	(0.936)	1076986	50.7351	50.74
*	71 Chlorobenzene-d5	117	18.417	18.360	(1.000)	1943163	50.0000	
	72 Chlorobenzene	112	18.538	18.465	(1.007)	2135576	54.3309	54.33
	73 1,1,1,2-Tetrachloroethane	131	18.712	18.621	(1.016)	849800	53.0562	53.06
	74 Ethylbenzene	106	18.765	18.691	(1.019)	903650	51.0308	51.03
	75 m,p-Xylenes	106	19.025	18.952	(1.033)	2480750	104.701	104.7
	76 o-Xylene	106	20.382	20.308	(1.107)	1168333	52.4138	52.41
	77 Styrene	104	20.521	20.429	(1.114)	1881946	51.3417	51.34
M	78 Xylenes (total)	106				3649083	157.115	157.1
	79 Bromoform	173	21.477	21.386	(1.166)	812927	52.4690	52.47
	80 Isopropylbenzene	105	21.633	21.525	(1.175)	2981726	52.4402	52.44
	81 Cyclohexanone	55	21.738	21.629	(1.180)	271869	395.547	395.5

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4261.D
Report Date: 01-Dec-2006 12:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
82 1,1,2,2-Tetrachloroethane	83	22.172	22.099	(1.204)	1414292	57.6341	57.63
$ 83 4-Bromofluorobenzene	95	22.364	22.273	(0.900)	1730790	48.4807	48.48
84 1,2,3-Trichloropropane	110	22.625	22.533	(0.910)	311240	51.1377	51.14
85 Bromobenzene	156	22.851	22.759	(0.920)	850276	44.7401	44.74
86 n-Propylbenzene	91	22.851	22.777	(0.920)	4353887	47.8697	47.87
88 trans-1,4-dichloro-2-butene	53	22.868	22.812	(0.920)	231090	50.5470	50.55
87 2-Chlorotoluene	91	23.216	23.159	(0.934)	2516332	45.2147	45.21
89 1,3,5-Trimethylbenzene	105	23.250	23.194	(0.936)	2305781	44.4248	44.42
90 4-Chlorotoluene	91	23.337	23.264	(0.939)	2879314	40.0822	40.08
91 t-Butylbenzene	119	24.016	23.942	(0.966)	2879044	47.4452	47.44
92 Pentachloroethane	167	24.050	23.994	(0.968)	390379	52.1484	52.15
93 1,2,4-Trimethylbenzene	105	24.068	24.011	(0.969)	2098203	43.6768	43.68
94 sec-Butylbenzene	105	24.381	24.342	(0.981)	3838615	46.0231	46.02
95 4-Isopropyltoluene	119	24.624	24.585	(0.991)	2405623	43.5035	43.50
96 1,3-Dichlorobenzene	146	24.711	24.672	(0.994)	1572091	47.3897	47.39
* 97 1,4 Dichlorobenzene-d4	152	24.850	24.794	(1.000)	1087731	50.0000	
98 1,4-Dichlorobenzene	146	24.902	24.846	(1.002)	1814374	48.3345	48.33
99 n-Butylbenzene	91	25.267	25.211	(1.017)	2450047	42.2826	42.28
100 1,2-Dichlorobenzene	146	25.441	25.385	(1.024)	1577738	48.2515	48.25
101 1,2-Dibromo-3-chloropropane	157	26.467	26.428	(1.065)	258713	51.1939	51.19
103 1,2,4-Trichlorobenzene	180	27.406	27.367	(1.103)	581346	38.1504	38.15
104 Hexachlorobutadiene	225	27.563	27.524	(1.109)	376338	36.7971	36.80
105 Naphthalene	128	27.667	27.628	(1.113)	1369569	50.6057	50.60
106 1,2,3-Trichlorobenzene	180	27.928	27.889	(1.124)	585222	42.3618	42.36

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4261.D
Report Date: 01-Dec-2006 12:03

STL St. Louis

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GSMP4261.D
Lab Smp Id: JKE9P1AD
Analysis Type: VOA
Quant Type: ISTD
Operator: TM
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B; F6K280244-001;6335214; MS

Calibration Date: 30-NOV-2006
Calibration Time: 14:36
Client Smp ID: B1LB37
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3061626	1530813	6123252	2630569	-14.08
71 Chlorobenzene-d5	2276877	1138439	4553754	1943163	-14.66
97 1,4 Dichlorobenze	1255220	627610	2510440	1087731	-13.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.05	9.55	10.55	10.12	0.73
71 Chlorobenzene-d5	18.36	17.86	18.86	18.42	0.31
97 1,4 Dichlorobenze	24.79	24.29	25.29	24.85	0.23

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4261.D
Report Date: 01-Dec-2006 12:03

STL St. Louis

RECOVERY REPORT

Client Name: Vista Engineering Te28-NOV-2006 00:00 Client SDG: W05057
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: JKE9P1AD Client Smp ID: B1LB37
Level: LOW Operator: TM
Data Type: MS DATA SampleType: MS
SpikeList File: MS6148W5.spk Quant Type: ISTD
Sublist File: H2O-qc.sub
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B; F6K280244-001;6335214; MS

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	1 Dichlorodifluorome	50.00	43.07	86.13	31-150
	2 Freon-114	50.00	38.19	76.39	70-130
	3 Chloromethane	50.00	52.18	104.37	45-143
	4 Vinyl Chloride	50.00	39.13	78.25	57-150
	5 Bromomethane	50.00	51.02	102.05	19-149
	6 Chloroethane	50.00	52.45	104.90	34-150
	7 Trichlorofluoromet	50.00	56.39	112.78	55-150
	8 Diethyl ether	50.00	107.5	215.05*	51-150
	10 Acrolein	250.0	0.0000	*	70-130
	9 1,1,2-Trichloroflu	50.00	55.33	110.67	72-132
	11 Acetone	50.00	57.50	114.99	10-150
	12 1,1-Dichloroethene	50.00	53.59	107.18	59-130
	13 Acetonitrile	250.0	225.3	90.12	70-130
	14 Iodomethane	50.00	53.40	106.80	70-130
	15 Methyl acetate	50.00	49.02	98.03	70-130
	16 Allyl chloride	50.00	51.05	102.10	57-150
	17 Methylene Chloride	50.00	50.84	101.68	38-150
	18 Carbon Disulfide	50.00	57.96	115.92	47-150
	19 Acrylonitrile	250.0	230.6	92.24	70-130
	20 MTBE	50.00	55.26	110.52	56-150
	21 trans-1,2-Dichloro	50.00	54.29	108.59	66-142
	22 n-Hexane	50.00	50.50	101.01	53-135
	24 Vinyl acetate	50.00	56.67	113.34	70-130
	23 1,1-Dichloroethane	50.00	51.17	102.34	65-142
	25 2-Chloro-1,3-butad	50.00	50.99	101.97	70-130
	27 2-Butanone	50.00	52.55	105.10	35-150
	28 Propionitrile	250.0	245.1	98.05	70-130
	29 2,2-Dichloropropan	50.00	54.30	108.60	55-152
	31 Ethyl acetate	100.0	100.7	100.68	70-130
	30 cis-1,2-Dichloroet	50.00	53.46	106.91	60-150
	32 Methacrylonitrile	250.0	278.8	111.53	70-130
M	38 1,2-Dichloroethene	100.0	107.8	107.75	54-150
	33 Chloroform	50.00	65.43	130.86	65-144
	34 Bromochloromethane	50.00	54.53	109.06	61-150
	35 Isobutanol	1000	1008	100.76	70-130
	37 Tetrahydrofuran	50.00	250.4	500.81*	34-150
	39 1,1,1-Trichloroeth	50.00	54.33	108.66	60-148
	40 Cyclohexane	50.00	51.34	102.68	70-130
	41 1,1-Dichloropropen	50.00	52.49	104.97	69-144
	42 Carbon Tetrachlori	50.00	1815	3629.65*	58-150

12-1-06

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4261.D
Report Date: 01-Dec-2006 12:03

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
45 n-Butanol	500.0	380.8	76.17	70-130
46 1,2-Dichloroethane	50.00	52.29	104.58	61-149
47 Benzene	50.00	45.83	91.65	71-140
49 Trichloroethene	50.00	54.89	109.77	47-148
50 Methylcyclohexane	50.00	49.22	98.43	70-130
51 1,2-Dichloropropan	50.00	51.09	102.19	71-144
52 Methyl methacrylat	50.00	50.25	100.50	56-150
53 Bromodichlorometha	50.00	54.72	109.45	62-143
55 1,4-Dioxane	1000	1069	106.94	70-130
54 Dibromomethane	50.00	52.03	104.06	50-150
56 2-Nitropropane	25.00	46.62	186.50*	30-150
57 2-chloroethyl vin	50.00	0.0000	*	70-130
58 4-Methyl-2-pentano	50.00	37.87	75.74	24-150
59 cis-1,3-Dichloropr	50.00	53.13	106.27	59-148
62 Toluene	50.00	47.08	94.17	67-137
63 trans-1,3-Dichloro	50.00	55.32	110.64	59-148
64 Ethyl methacrylate	50.00	56.20	112.40	59-141
65 1,1,2-Trichloroeth	50.00	54.25	108.50	68-136
66 2-Hexanone	50.00	54.84	109.68	45-150
67 1,3-Dichloropropan	50.00	55.23	110.45	69-137
68 Tetrachloroethene	50.00	51.11	102.22	50-124
69 Chlorodibromometha	50.00	50.57	101.14	67-139
70 1,2-Dibromoethane	50.00	50.74	101.47	64-147
72 Chlorobenzene	50.00	54.33	108.66	75-129
73 1,1,1,2-Tetrachlor	50.00	53.06	106.11	67-136
74 Ethylbenzene	50.00	51.03	102.06	73-133
75 m,p-Xylenes	100.0	104.7	104.70	72-139
76 o-Xylene	50.00	52.41	104.83	72-137
77 Styrene	50.00	51.34	102.68	68-141
79 Bromoform	50.00	52.47	104.94	61-137
80 Isopropylbenzene	50.00	52.44	104.88	73-150
81 Cyclohexanone	500.0	395.5	79.11	10-109
82 1,1,2,2-Tetrachlor	50.00	57.63	115.27	65-148
84 1,2,3-Trichloropro	50.00	51.14	102.28	70-130
85 Bromobenzene	50.00	44.74	89.48	70-127
86 n-Propylbenzene	50.00	47.87	95.74	68-139
88 trans-1,4-dichloro	50.00	50.55	101.09	29-150
87 2-Chlorotoluene	50.00	45.21	90.43	57-150
89 1,3,5-Trimethylben	50.00	44.42	88.85	68-136
90 4-Chlorotoluene	50.00	40.08	80.16	57-150
91 t-Butylbenzene	50.00	47.44	94.89	51-127
92 Pentachloroethane	50.00	52.15	104.30	70-130
93 1,2,4-Trimethylben	50.00	43.68	87.35	70-130
94 sec-Butylbenzene	50.00	46.02	92.05	66-133
95 4-Isopropyltoluene	50.00	43.50	87.01	69-142
96 1,3-Dichlorobenzen	50.00	47.39	94.78	74-126
98 1,4-Dichlorobenzen	50.00	48.33	96.67	70-123
99 n-Butylbenzene	50.00	42.28	84.57	60-144
100 1,2-Dichlorobenzen	50.00	48.25	96.50	73-127
101 1,2-Dibromo-3-chlo	50.00	51.19	102.39	52-144
103 1,2,4-Trichloroben	50.00	38.15	76.30	45-143
104 Hexachlorobutadien	50.00	36.80	73.59	36-150
105 Naphthalene	50.00	50.60	101.21	33-150
106 1,2,3-Trichloroben	50.00	42.36	84.72	34-150

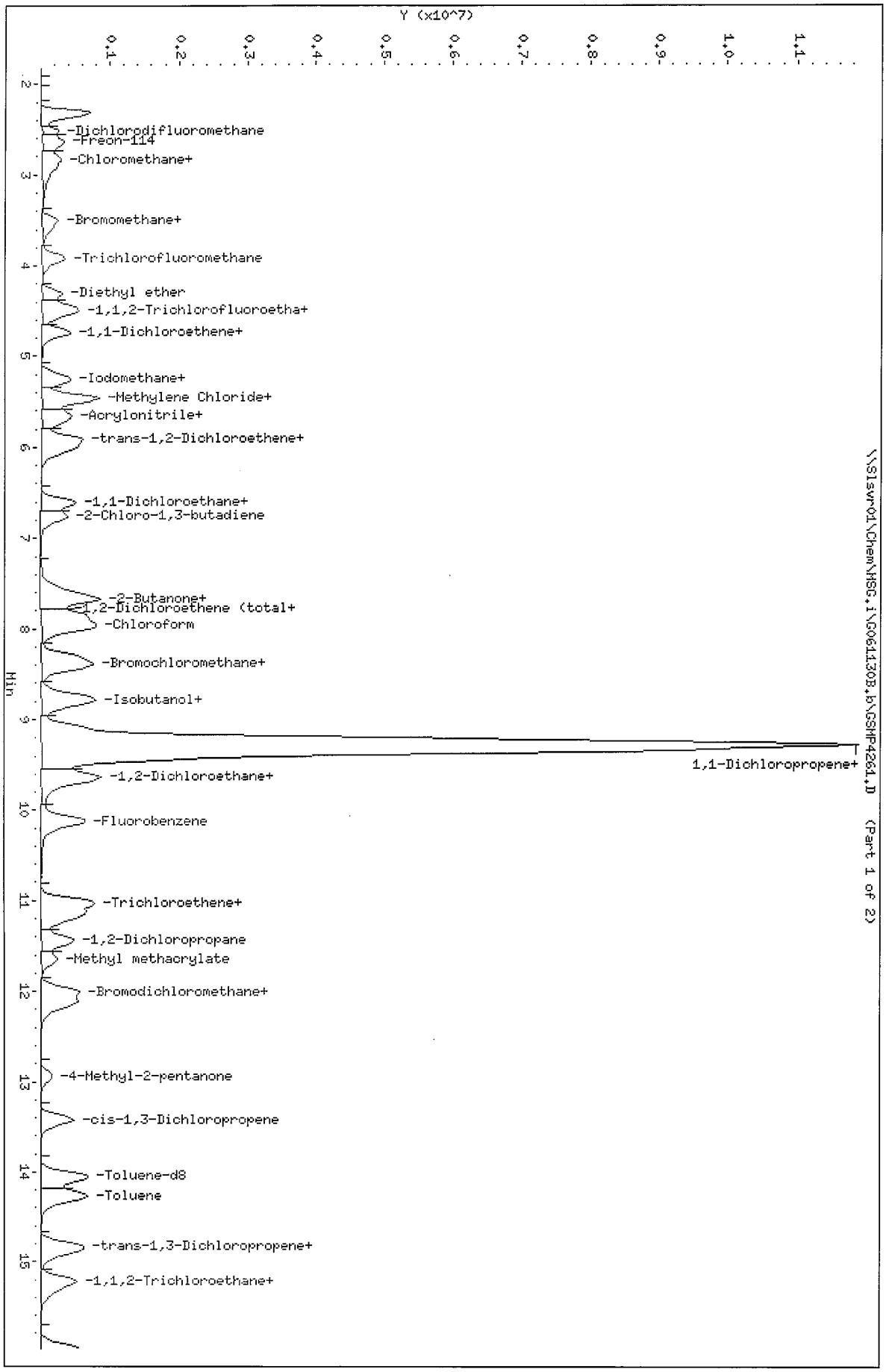
Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4261.D
Report Date: 01-Dec-2006 12:03

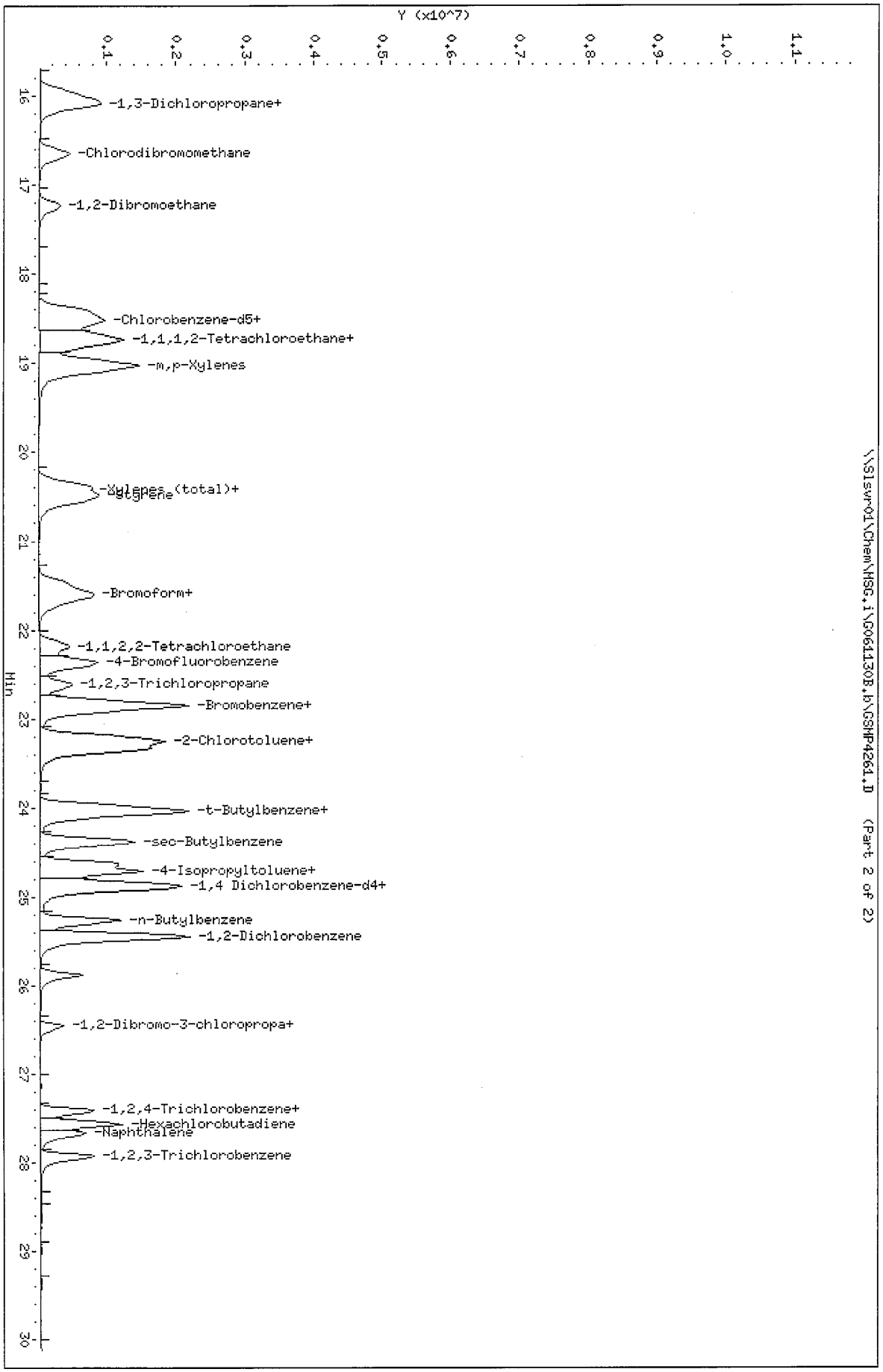
STL St. Louis

RECOVERY REPORT

Client Name: Vista Engineering Te28-NOV-2006 00:00 Client SDG: W05057
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: JKE9P1AD Client Smp ID: B1LB37
Level: LOW Operator: TM
Data Type: MS DATA SampleType: MS
SpikeList File: MS6148W5.spk Quant Type: ISTD
Sublist File: H2O-qc.sub
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B; F6K280244-001;6335214; MS

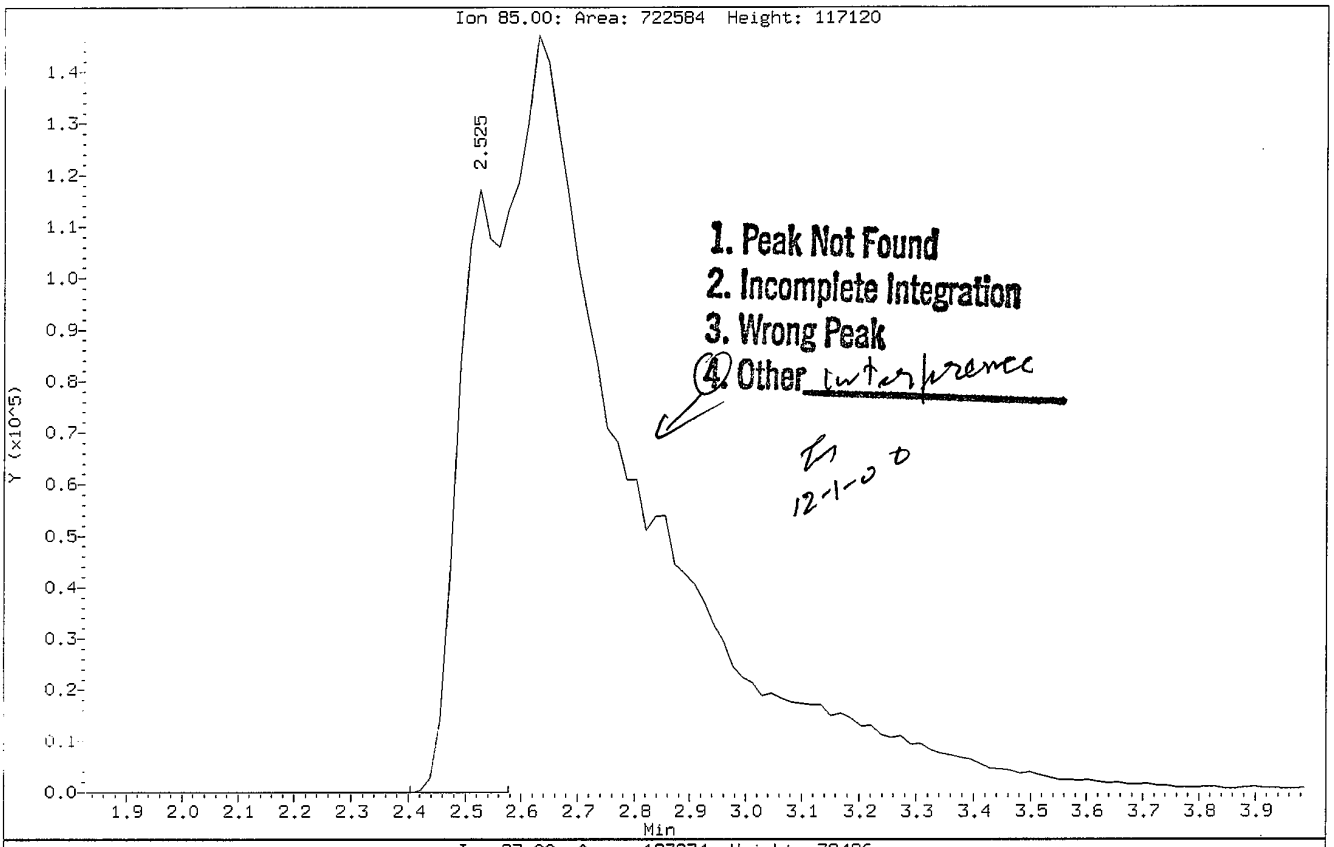
SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 36 Dibromofluorometha	50.00	51.51	103.01	80-133
$ 43 1,2-Dichloroethane	50.00	47.01	94.03	76-136
$ 61 Toluene-d8	50.00	54.81	109.61	76-131
$ 83 4-Bromofluorobenze	50.00	48.48	96.96	84-133

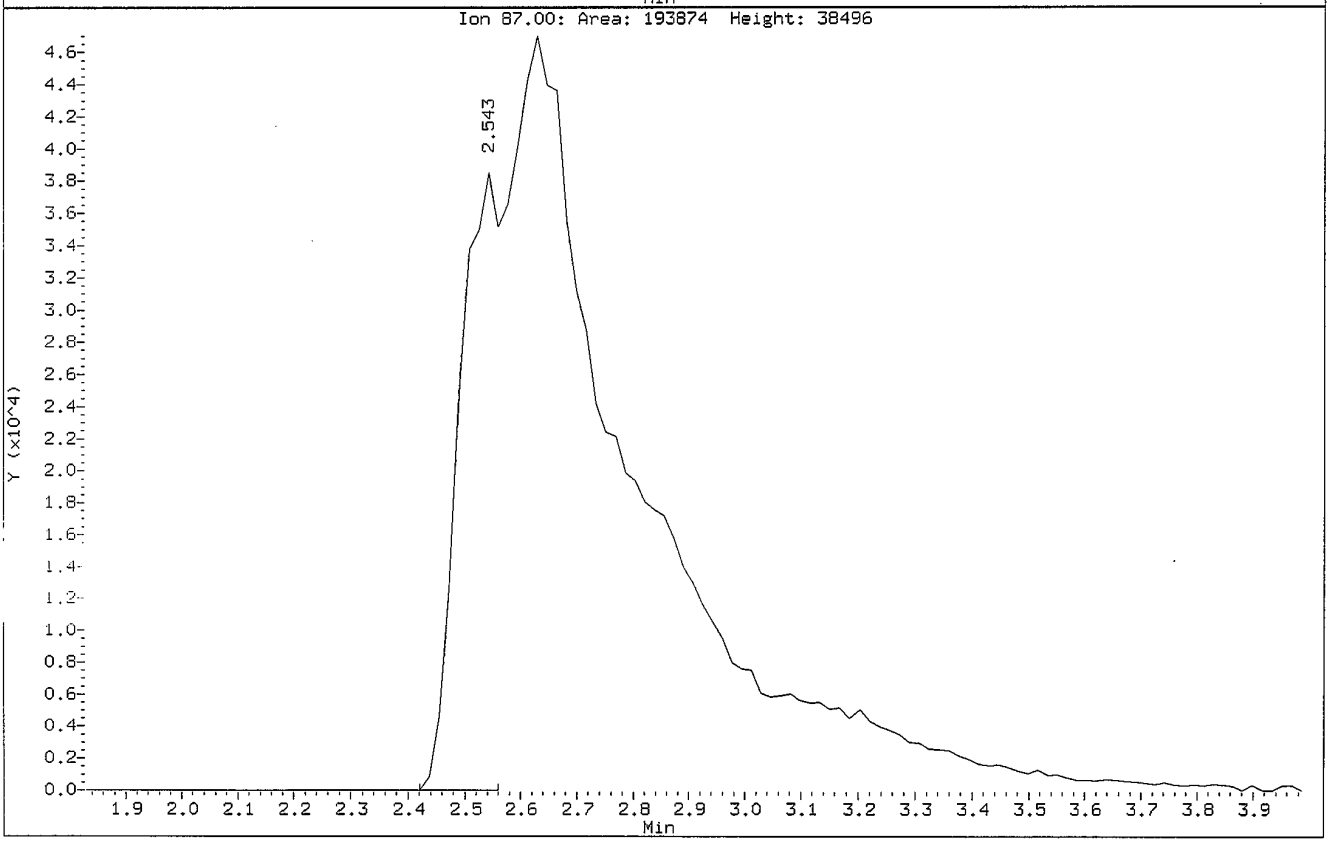

Data File: \\Slsvr01\Chem\MSG,i\G061130B,b\GSMP4261,D
Date : 01-DEC-2006 00:21
Client ID: B1LB37
Sample Info: JKE9P1AD;G061130B,b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG,i
Operator: TM
Column diameter: 0.53
\\Slsvr01\Chem\MSG,i\G061130B,b\GSMP4261,D (Part 1 of 2)
Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
-Dichlorodifluoromethane
-Freon-114
-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Diethyl ether
-1,1,2-Trichlorofluoroetha+
-1,1-Dichloroethene+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-trans-1,2-Dichloroethene+
-1,1-Dichloroethane+
-2-Chloro-1,3-butadiene
-2-Butanone+
-1,2-Dichloroethene (total+
-Chloroform
-Bromochloromethane+
-Isobutanol+
1,1-Dichloropropene+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene+
-1,2-Dichloropropane
-Methyl methacrylate
-Bromodichloromethane+
-4-Methyl-2-pentanone
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane+


Data File: \\Slsvr01\Chem\MSG,i\G061130B,b\GSMP4261.D
Date : 01-DEC-2006 00:21
Client ID: B1LB37
Sample Info: JKE9P1AD;G061130B,b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSG,i
Operator: TM
Column diameter: 0.53
\\Slsvr01\Chem\MSG,i\G061130B,b\GSMP4261.D (Part 2 of 2)
Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
Min
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
-1,3-Dichloropropane+
-Chlorodibromomethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m,p-Xylenes
-Xylenes (total)+
-Styrene
-Bromoform+
-1,1,2,2-Tetrachloroethane
-4-Bromofluorobenzene
-1,2,3-Trichloropropane
-Bromobenzene+
-2-Chlorotoluene+
-t-Butylbenzene+
-sec-Butylbenzene
-4-Isopropyltoluene+
-1,4 Dichlorobenzene-d4+
-n-Butylbenzene
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa+
-1,2,4-Trichlorobenzene+
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4261.D
Injection Date: 01-DEC-2006 00:21
Instrument: MSG.i
Client Sample ID: B1LB37

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8





Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4262.D
Report Date: 01-Dec-2006 12:03

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GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4262.D
Lab Smp Id: JKE9P1AE Client Smp ID: B1LB37
Inj Date : 01-DEC-2006 00:58
Operator : TM Inst ID: MSG.i
Smp Info : JKE9P1AE;G061130B.b
Misc Info : VBLKG334B.B; F6K280244-001;6335214; MSD
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Meth Date : 30-Nov-2006 15:12 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 23:10 Cal File: GCAL4175.D
Als bottle: 19 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H2O-qc.sub
Target Version: 4.10
Processing Host: SLVOA02

Concentration Formula: Amt * DF * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vod	5.000	DefSampleVolume
Vo	5.000	Volume of Sample Purged (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	2.523	2.486	(0.249)	737112	42.7554	42.76(M)
2 Freon-114	135	2.662	2.625	(0.263)	368994	51.9723	51.97
3 Chloromethane	50	2.836	2.799	(0.280)	764777	50.4749	50.47
4 Vinyl Chloride	62	2.940	2.903	(0.291)	461227	39.6232	39.62
5 Bromomethane	94	3.497	3.459	(0.346)	722425	51.0763	51.08
6 Chloroethane	64	3.601	3.546	(0.356)	447729	52.8103	52.81
7 Trichlorofluoromethane	101	3.914	3.859	(0.387)	1374514	56.4963	56.50
8 Diethyl ether	59	4.314	4.259	(0.426)	728177	110.986	111.0(R)
9 1,1,2-Trichlorofluoroethane	101	4.488	4.433	(0.443)	1425456	55.1249	55.12
11 Acetone	43	4.575	4.520	(0.452)	127791	58.4760	58.48
12 1,1-Dichloroethene	96	4.731	4.694	(0.467)	699672	55.2261	55.23
13 Acetonitrile	41	4.940	4.920	(0.488)	135079	228.522	228.5
14 Iodomethane	142	5.201	5.129	(0.514)	969320	66.9726	66.97(R)
15 Methyl acetate	74	5.235	5.163	(0.517)	85027	51.5216	51.52
16 Allyl chloride	39	5.270	5.215	(0.521)	570844	53.3392	53.34
17 Methylene Chloride	84	5.444	5.389	(0.538)	1014742	54.7327	54.73
18 Carbon Disulfide	76	5.479	5.424	(0.541)	2343162	58.3489	58.35
19 Acrylonitrile	53	5.653	5.581	(0.559)	390999	231.000	231.0
20 MTBE	73	5.705	5.633	(0.564)	1568738	56.2631	56.26
21 trans-1,2-Dichloroethene	96	5.913	5.841	(0.584)	777453	55.5849	55.58
22 n-Hexane	57	6.000	5.946	(0.593)	1023861	51.7147	51.71
23 1,1-Dichloroethane	63	6.592	6.537	(0.651)	1451687	51.7016	51.70

12-1-06

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4262.D
Report Date: 01-Dec-2006 12:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	24 Vinyl acetate	43	6.609	6.537	(0.653)	1266156	57.5240	57.52
	25 2-Chloro-1,3-butadiene	53	6.765	6.693	(0.668)	1082761	54.9128	54.91
	27 2-Butanone	43	7.357	7.302	(0.727)	213738	55.0596	55.06
	28 Propionitrile	54	7.496	7.424	(0.741)	214220	252.086	252.1
	29 2,2-Dichloropropane	77	7.600	7.528	(0.751)	1266364	53.4292	53.43
	30 cis-1,2-Dichloroethene	96	7.687	7.632	(0.760)	849826	55.0907	55.09
	31 Ethyl acetate	43	7.670	7.615	(0.758)	1160835	104.628	104.6
	32 Methacrylonitrile	41	7.861	7.789	(0.777)	1780844	288.477	288.5
M	38 1,2-Dichloroethene (total)	96				1627279	110.676	110.7
	33 Chloroform	83	7.983	7.911	(0.789)	1979300	67.4047	67.40
	34 Bromochloromethane	128	8.296	8.241	(0.820)	519055	55.5195	55.52
	35 Isobutanol	42	8.800	8.728	(0.869)	273526	1017.52	1018
	37 Tetrahydrofuran	71	8.400	8.328	(0.830)	266164	267.125	267.1(R)
$	36 Dibromofluoromethane	113	8.400	8.328	(0.830)	1285103	55.2786	55.28
	39 1,1,1-Trichloroethane	97	8.765	8.693	(0.866)	1357717	56.9266	56.93
	40 Cyclohexane	84	8.800	8.745	(0.869)	912183	54.3653	54.36
	41 1,1-Dichloropropene	75	9.095	9.023	(0.899)	1288815	52.0671	52.07
	42 Carbon Tetrachloride	117	9.304	9.232	(0.919)	38116988	1915.31	1915(AR)
	45 n-Butanol	56	9.408	9.319	(0.930)	145111	452.814	452.8
$	43 1,2-Dichloroethane-d4	67	9.426	9.354	(0.931)	387772	50.6835	50.68
	46 1,2-Dichloroethane	62	9.617	9.545	(0.950)	878565	53.0043	53.00
	47 Benzene	78	9.652	9.580	(0.954)	2247002	49.9331	49.93
*	48 Fluorobenzene	96	10.121	10.049	(1.000)	2702964	50.0000	
	49 Trichloroethene	130	11.008	10.953	(1.088)	1096509	58.7328	58.73
	50 Methylcyclohexane	55	11.164	11.092	(1.103)	1135389	50.1386	50.14
	51 1,2-Dichloropropane	63	11.425	11.371	(1.129)	982522	50.8692	50.87
	52 Methyl methacrylate	69	11.651	11.579	(1.151)	487494	52.7717	52.77
	53 Bromodichloromethane	83	11.999	11.927	(1.186)	1752059	56.6876	56.69
	55 1,4-Dioxane	88	12.103	12.031	(1.196)	170475	1143.26	1143
	54 Dibromomethane	93	12.121	12.049	(1.198)	885583	53.8920	53.89
	56 2-Nitropropane	43	12.190	12.136	(1.204)	359907	49.5847	49.58(R)
	58 4-Methyl-2-pentanone	43	12.938	12.831	(1.278)	788042	39.4801	39.48
	59 cis-1,3-Dichloropropene	75	13.425	13.353	(1.326)	1447482	53.9073	53.91
$	61 Toluene-d8	98	14.033	13.996	(0.762)	2735039	52.9695	52.97
	62 Toluene	91	14.259	14.205	(0.774)	2844686	48.1343	48.13
	63 trans-1,3-Dichloropropene	75	14.798	14.744	(0.804)	1103649	52.1212	52.12
	64 Ethyl methacrylate	69	14.868	14.813	(0.807)	1157930	54.3308	54.33
	65 1,1,2-Trichloroethane	97	15.216	15.161	(0.826)	840139	52.3574	52.36
	66 2-Hexanone	43	15.337	15.283	(0.833)	562523	53.7495	53.75
	67 1,3-Dichloropropane	76	15.946	15.909	(0.866)	1394530	52.0902	52.09
	68 Tetrachloroethene	164	16.068	16.013	(0.873)	1031008	51.9743	51.97
	69 Chlorodibromomethane	129	16.641	16.587	(0.904)	1218113	54.2116	54.21
	70 1,2-Dibromoethane	107	17.233	17.161	(0.936)	1208418	52.0708	52.07
*	71 Chlorobenzene-d5	117	18.415	18.360	(1.000)	2124375	50.0000	
	72 Chlorobenzene	112	18.537	18.465	(1.007)	2255422	52.4853	52.48
	73 1,1,1,2-Tetrachloroethane	131	18.693	18.621	(1.015)	943330	53.8718	53.87
	74 Ethylbenzene	106	18.763	18.691	(1.019)	990276	51.1525	51.15
	75 m,p-Xylenes	106	19.041	18.952	(1.034)	2695251	104.051	104.0
	76 o-Xylene	106	20.397	20.308	(1.108)	1280624	52.5507	52.55
	77 Styrene	104	20.519	20.429	(1.114)	2126220	53.0578	53.06
M	78 Xylenes (total)	106				3975875	156.601	156.6
	79 Bromoform	173	21.475	21.386	(1.166)	861072	50.9487	50.95
	80 Isopropylbenzene	105	21.614	21.525	(1.174)	3366310	54.1538	54.15
	81 Cyclohexanone	55	21.736	21.629	(1.180)	299962	399.193	399.2

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4262.D
Report Date: 01-Dec-2006 12:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
82	1,1,2,2-Tetrachloroethane	83	22.188	22.099	(1.205)	1512725	56.3869	56.39
$ 83	4-Bromofluorobenzene	95	22.379	22.273	(0.900)	1865543	49.7936	49.79
84	1,2,3-Trichloropropane	110	22.623	22.533	(0.910)	343818	53.8292	53.83
85	Bromobenzene	156	22.849	22.759	(0.919)	1001338	50.2067	50.21
86	n-Propylbenzene	91	22.866	22.777	(0.920)	4715028	49.3982	49.40
88	trans-1,4-dichloro-2-butene	53	22.884	22.812	(0.920)	254707	53.0883	53.09
87	2-Chlorotoluene	91	23.231	23.159	(0.934)	2910055	49.8260	49.82
89	1,3,5-Trimethylbenzene	105	23.266	23.194	(0.936)	2637540	48.4227	48.42
90	4-Chlorotoluene	91	23.336	23.264	(0.938)	3396408	45.0532	45.05
91	t-Butylbenzene	119	24.014	23.942	(0.966)	3205451	50.3358	50.34
92	Pentachloroethane	167	24.049	23.994	(0.967)	443562	56.3270	56.33
93	1,2,4-Trimethylbenzene	105	24.066	24.011	(0.968)	2393151	47.4697	47.47
94	sec-Butylbenzene	105	24.396	24.342	(0.981)	4420069	50.4980	50.50
95	4-Isopropyltoluene	119	24.640	24.585	(0.991)	2703280	46.5834	46.58
96	1,3-Dichlorobenzene	146	24.727	24.672	(0.994)	1759862	50.5508	50.55
* 97	1,4 Dichlorobenzene-d4	152	24.866	24.794	(1.000)	1141506	50.0000	
98	1,4-Dichlorobenzene	146	24.901	24.846	(1.001)	1971497	50.0460	50.05
99	n-Butylbenzene	91	25.266	25.211	(1.016)	2803955	46.1107	46.11
100	1,2-Dichlorobenzene	146	25.440	25.385	(1.023)	1739911	50.7045	50.70
101	1,2-Dibromo-3-chloropropane	157	26.465	26.428	(1.064)	301116	56.7776	56.78
103	1,2,4-Trichlorobenzene	180	27.422	27.367	(1.103)	804254	50.2922	50.29
104	Hexachlorobutadiene	225	27.578	27.524	(1.109)	495303	46.1476	46.15
105	Naphthalene	128	27.682	27.628	(1.113)	1615015	56.8638	56.86
106	1,2,3-Trichlorobenzene	180	27.943	27.889	(1.124)	743986	51.3170	51.32

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4262.D
Report Date: 01-Dec-2006 12:03

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: MSG.i
Lab File ID: GSMP4262.D
Lab Smp Id: JKE9P1AE
Analysis Type: VOA
Quant Type: ISTD
Operator: TM
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B; F6K280244-001;6335214; MSD

Calibration Date: 30-NOV-2006
Calibration Time: 14:36
Client Smp ID: B1LB37
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	3061626	1530813	6123252	2702964	-11.71
71 Chlorobenzene-d5	2276877	1138439	4553754	2124375	-6.70
97 1,4 Dichlorobenze	1255220	627610	2510440	1141506	-9.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
48 Fluorobenzene	10.05	9.55	10.55	10.12	0.72
71 Chlorobenzene-d5	18.36	17.86	18.86	18.42	0.30
97 1,4 Dichlorobenze	24.79	24.29	25.29	24.87	0.29

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4262.D
Report Date: 01-Dec-2006 12:03

STL St. Louis

RECOVERY REPORT

Client Name: Vista Engineering Te28-NOV-2006 00:00 Client SDG: W05057
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: JKE9P1AE Client Smp ID: B1LB37
Level: LOW Operator: TM
Data Type: MS DATA SampleType: MSD
SpikeList File: MS6148W5.spk Quant Type: ISTD
Sublist File: H2O-qc.sub
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B; F6K280244-001;6335214; MSD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	1 Dichlorodifluorome	50.00	42.76	85.51	31-150
	2 Freon-114	50.00	51.97	103.94	70-130
	3 Chloromethane	50.00	50.47	100.95	45-143
	4 Vinyl Chloride	50.00	39.62	79.25	57-150
	5 Bromomethane	50.00	51.08	102.15	19-149
	6 Chloroethane	50.00	52.81	105.62	34-150
	7 Trichlorofluoromet	50.00	56.50	112.99	55-150
	8 Diethyl ether	50.00	111.0	221.97*	51-150
	10 Acrolein	250.0	0.0000	*	70-130
	9 1,1,2-Trichloroflu	50.00	55.12	110.25	72-132
	11 Acetone	50.00	58.48	116.95	10-150
	12 1,1-Dichloroethene	50.00	55.23	110.45	59-130
	13 Acetonitrile	250.0	228.5	91.41	70-130
	14 Iodomethane	50.00	66.97	133.95*	70-130
	15 Methyl acetate	50.00	51.52	103.04	70-130
	16 Allyl chloride	50.00	53.34	106.68	57-150
	17 Methylene Chloride	50.00	54.73	109.47	38-150
	18 Carbon Disulfide	50.00	58.35	116.70	47-150
	19 Acrylonitrile	250.0	231.0	92.40	70-130
	20 MTBE	50.00	56.26	112.53	56-150
	21 trans-1,2-Dichloro	50.00	55.58	111.17	66-142
	22 n-Hexane	50.00	51.71	103.43	53-135
	24 Vinyl acetate	50.00	57.52	115.05	70-130
	23 1,1-Dichloroethane	50.00	51.70	103.40	65-142
	25 2-Chloro-1,3-butad	50.00	54.91	109.83	70-130
	27 2-Butanone	50.00	55.06	110.12	35-150
	28 Propionitrile	250.0	252.1	100.83	70-130
	29 2,2-Dichloropropan	50.00	53.43	106.86	55-152
	31 Ethyl acetate	100.0	104.6	104.63	70-130
	30 cis-1,2-Dichloroet	50.00	55.09	110.18	60-150
	32 Methacrylonitrile	250.0	288.5	115.39	70-130
M	38 1,2-Dichloroethene	100.0	110.7	110.68	54-150
	33 Chloroform	50.00	67.40	134.81	65-144
	34 Bromochloromethane	50.00	55.52	111.04	61-150
	35 Isobutanol	1000	1018	101.75	70-130
	37 Tetrahydrofuran	50.00	267.1	534.25*	34-150
	39 1,1,1-Trichloroeth	50.00	56.93	113.85	60-148
	40 Cyclohexane	50.00	54.36	108.73	70-130
	41 1,1-Dichloropropen	50.00	52.07	104.13	69-144
	42 Carbon Tetrachlori	50.00	1915	3830.62*	58-150

12-1-06

Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4262.D
Report Date: 01-Dec-2006 12:03

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
45 n-Butanol	500.0	452.8	90.56	70-130
46 1,2-Dichloroethane	50.00	53.00	106.01	61-149
47 Benzene	50.00	49.93	99.87	71-140
49 Trichloroethene	50.00	58.73	117.47	47-148
50 Methylcyclohexane	50.00	50.14	100.28	70-130
51 1,2-Dichloropropan	50.00	50.87	101.74	71-144
52 Methyl methacrylat	50.00	52.77	105.54	56-150
53 Bromodichlorometha	50.00	56.69	113.38	62-143
55 1,4-Dioxane	1000	1143	114.33	70-130
54 Dibromomethane	50.00	53.89	107.78	50-150
56 2-Nitropropane	25.00	49.58	198.34*	30-150
57 2-chloroethyl vin	50.00	0.0000	*	70-130
58 4-Methyl-2-pentano	50.00	39.48	78.96	24-150
59 cis-1,3-Dichloropr	50.00	53.91	107.81	59-148
62 Toluene	50.00	48.13	96.27	67-137
63 trans-1,3-Dichloro	50.00	52.12	104.24	59-148
64 Ethyl methacrylate	50.00	54.33	108.66	59-141
65 1,1,2-Trichloroeth	50.00	52.36	104.71	68-136
66 2-Hexanone	50.00	53.75	107.50	45-150
67 1,3-Dichloropropan	50.00	52.09	104.18	69-137
68 Tetrachloroethene	50.00	51.97	103.95	50-124
69 Chlorodibromometha	50.00	54.21	108.42	67-139
70 1,2-Dibromoethane	50.00	52.07	104.14	64-147
72 Chlorobenzene	50.00	52.48	104.97	75-129
73 1,1,1,2-Tetrachlor	50.00	53.87	107.74	67-136
74 Ethylbenzene	50.00	51.15	102.30	73-133
75 m,p-Xylenes	100.0	104.0	104.05	72-139
76 o-Xylene	50.00	52.55	105.10	72-137
77 Styrene	50.00	53.06	106.12	68-141
79 Bromoform	50.00	50.95	101.90	61-137
80 Isopropylbenzene	50.00	54.15	108.31	73-150
81 Cyclohexanone	500.0	399.2	79.84	10-109
82 1,1,2,2-Tetrachlor	50.00	56.39	112.77	65-148
84 1,2,3-Trichloropro	50.00	53.83	107.66	70-130
85 Bromobenzene	50.00	50.21	100.41	70-127
86 n-Propylbenzene	50.00	49.40	98.80	68-139
88 trans-1,4-dichloro	50.00	53.09	106.18	29-150
87 2-Chlorotoluene	50.00	49.82	99.65	57-150
89 1,3,5-Trimethylben	50.00	48.42	96.85	68-136
90 4-Chlorotoluene	50.00	45.05	90.11	57-150
91 t-Butylbenzene	50.00	50.34	100.67	51-127
92 Pentachloroethane	50.00	56.33	112.65	70-130
93 1,2,4-Trimethylben	50.00	47.47	94.94	70-130
94 sec-Butylbenzene	50.00	50.50	101.00	66-133
95 4-Isopropyltoluene	50.00	46.58	93.17	69-142
96 1,3-Dichlorobenzen	50.00	50.55	101.10	74-126
98 1,4-Dichlorobenzen	50.00	50.05	100.09	70-123
99 n-Butylbenzene	50.00	46.11	92.22	60-144
100 1,2-Dichlorobenzen	50.00	50.70	101.41	73-127
101 1,2-Dibromo-3-chlo	50.00	56.78	113.56	52-144
103 1,2,4-Trichloroben	50.00	50.29	100.58	45-143
104 Hexachlorobutadien	50.00	46.15	92.30	36-150
105 Naphthalene	50.00	56.86	113.73	33-150
106 1,2,3-Trichloroben	50.00	51.32	102.63	34-150

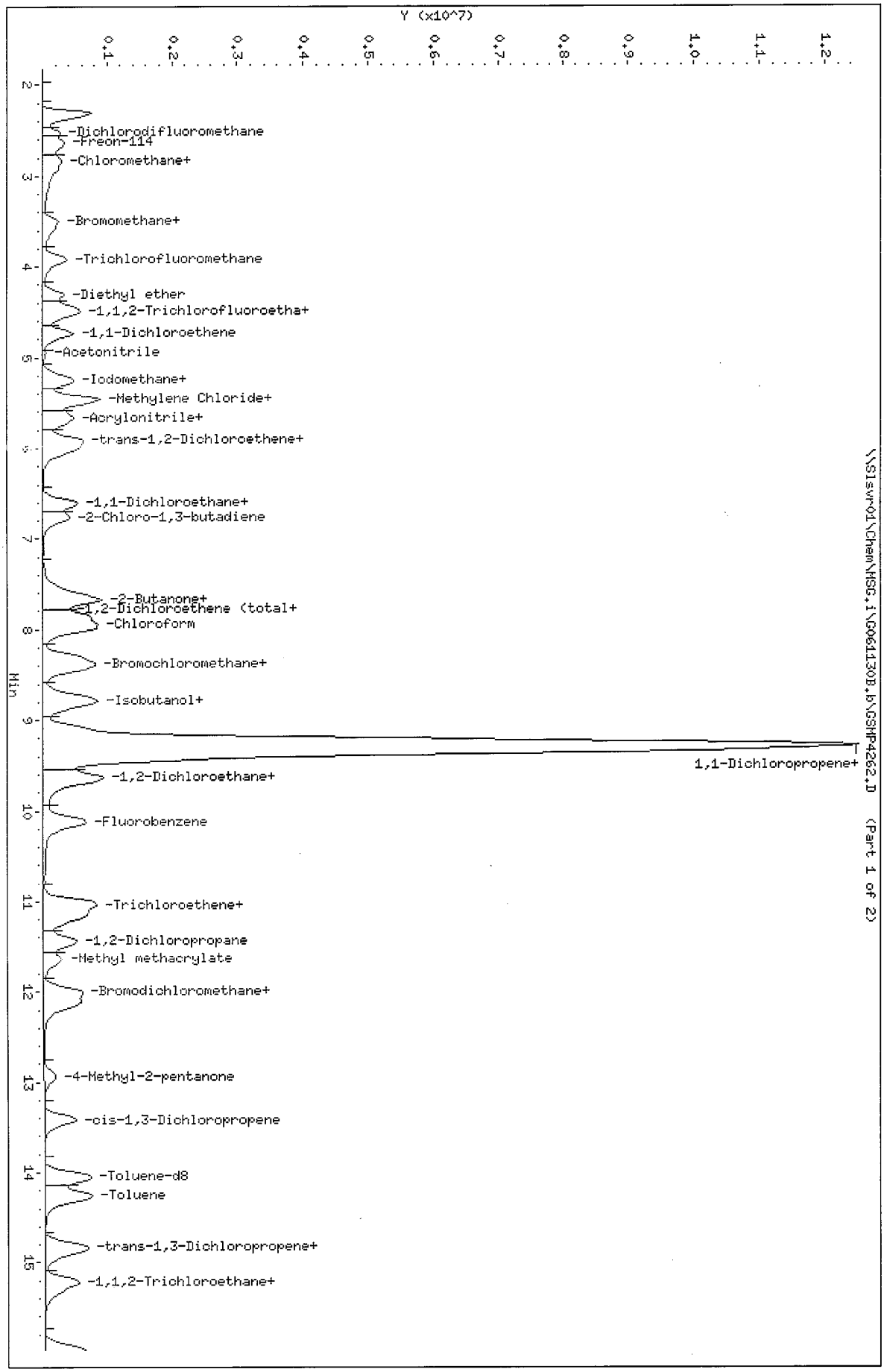
Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4262.D
Report Date: 01-Dec-2006 12:03

STL St. Louis

RECOVERY REPORT

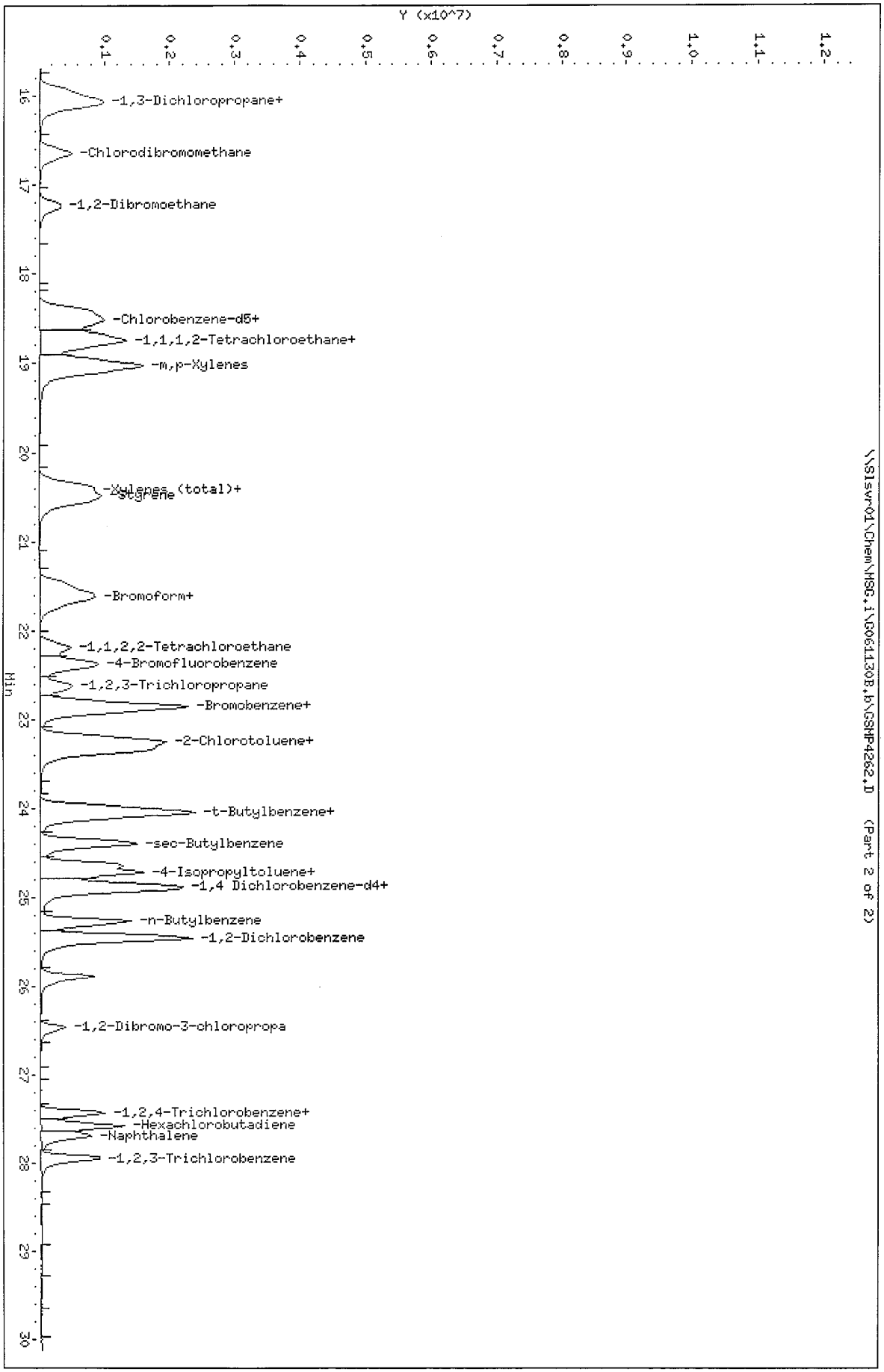
Client Name: Vista Engineering Te28-NOV-2006 00:00 Client SDG: W05057
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: JKE9P1AE Client Smp ID: B1LB37
Level: LOW Operator: TM
Data Type: MS DATA SampleType: MSD
SpikeList File: MS6148W5.spk Quant Type: ISTD
Sublist File: H2O-qc.sub
Method File: \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Misc Info: VBLKG334B.B; F6K280244-001;6335214; MSD

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 36 Dibromofluorometha	50.00	55.28	110.56	80-133
$ 43 1,2-Dichloroethane	50.00	50.68	101.37	76-136
$ 61 Toluene-d8	50.00	52.97	105.94	76-131
$ 83 4-Bromofluorobenze	50.00	49.79	99.59	84-133


Data File: \\Slsvr01\Chem\MSC,i\G061130B,b\GSHP4262.D
Date : 01-DEC-2006 00:58
Client ID: B1LB37
Sample Info: JKE9P1AE:G061130B,b
Purge Volume: 5.0
Column phase: RTX-502.2
Instrument: MSC,i
Operator: TM
Column diameter: 0.53
\\Slsvr01\Chem\MSC,i\G061130B,b\GSHP4262.D (Part 1 of 2)
Y (x10^7)
Min
-Dichlorodifluoromethane
-Freon-114
-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Diethyl ether
-1,1,2-Trichlorofluoroetha+
-1,1-Dichloroethene
-Acetonitrile
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-trans-1,2-Dichloroethene+
-1,1-Dichloroethane+
-2-Chloro-1,3-butadiene
-2-Butanone+
-1,2-Dichloroethene (total+
-Chloroform
-Bromochloromethane+
-Isobutanol+
1,1-Dichloropropene+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene+
-1,2-Dichloropropane
-Methyl methacrylate
-Bromodichloromethane+
-4-Methyl-2-pentanone
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane+

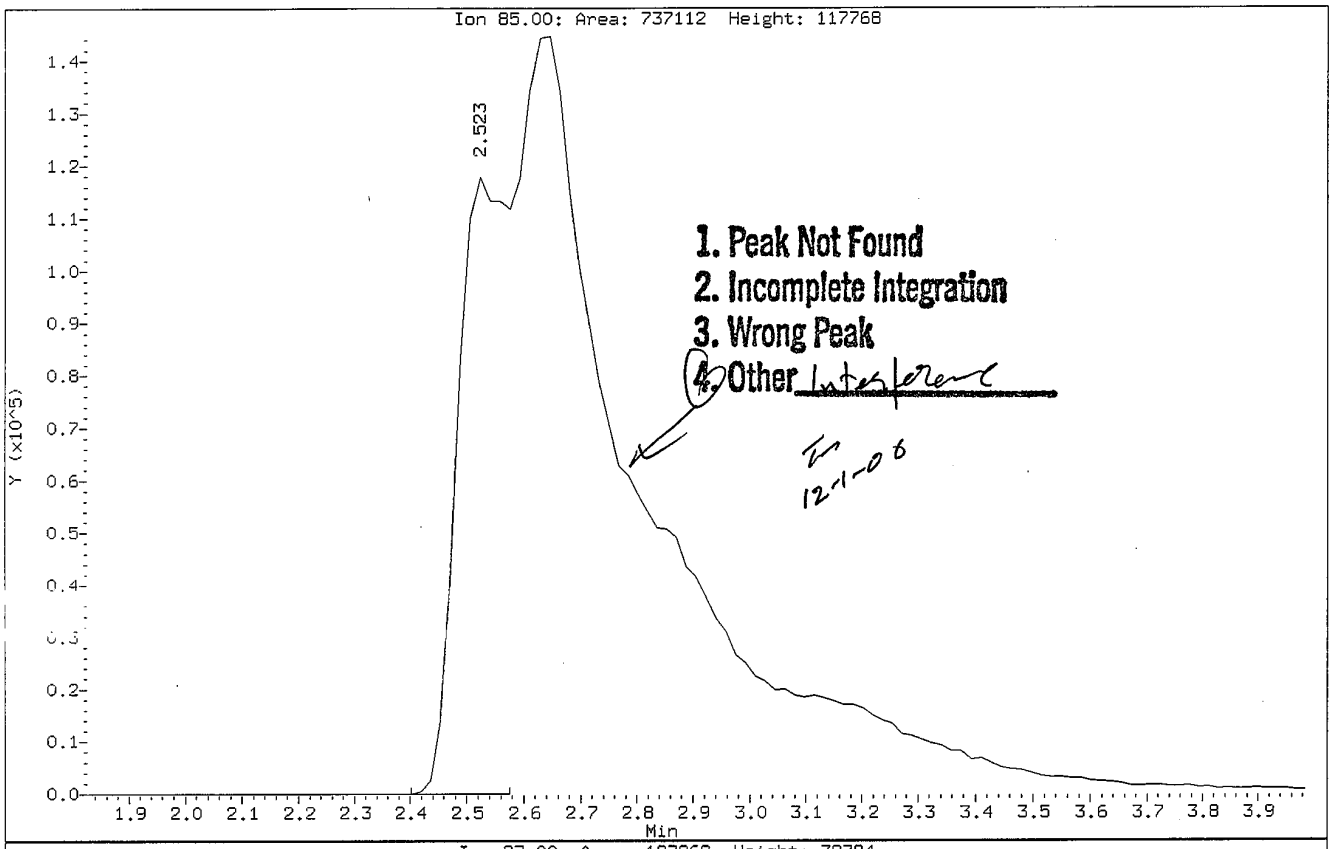
Data File: \\Slsvr01\Chem\MSG.i\061130B.b\GSHP4262.D
Date : 01-DEC-2006 00:58
Client ID: B1LB37
Sample Info: JKE9P1AE;061130B.b
Purge Volume: 5.0
Column phase: RTX-502.2

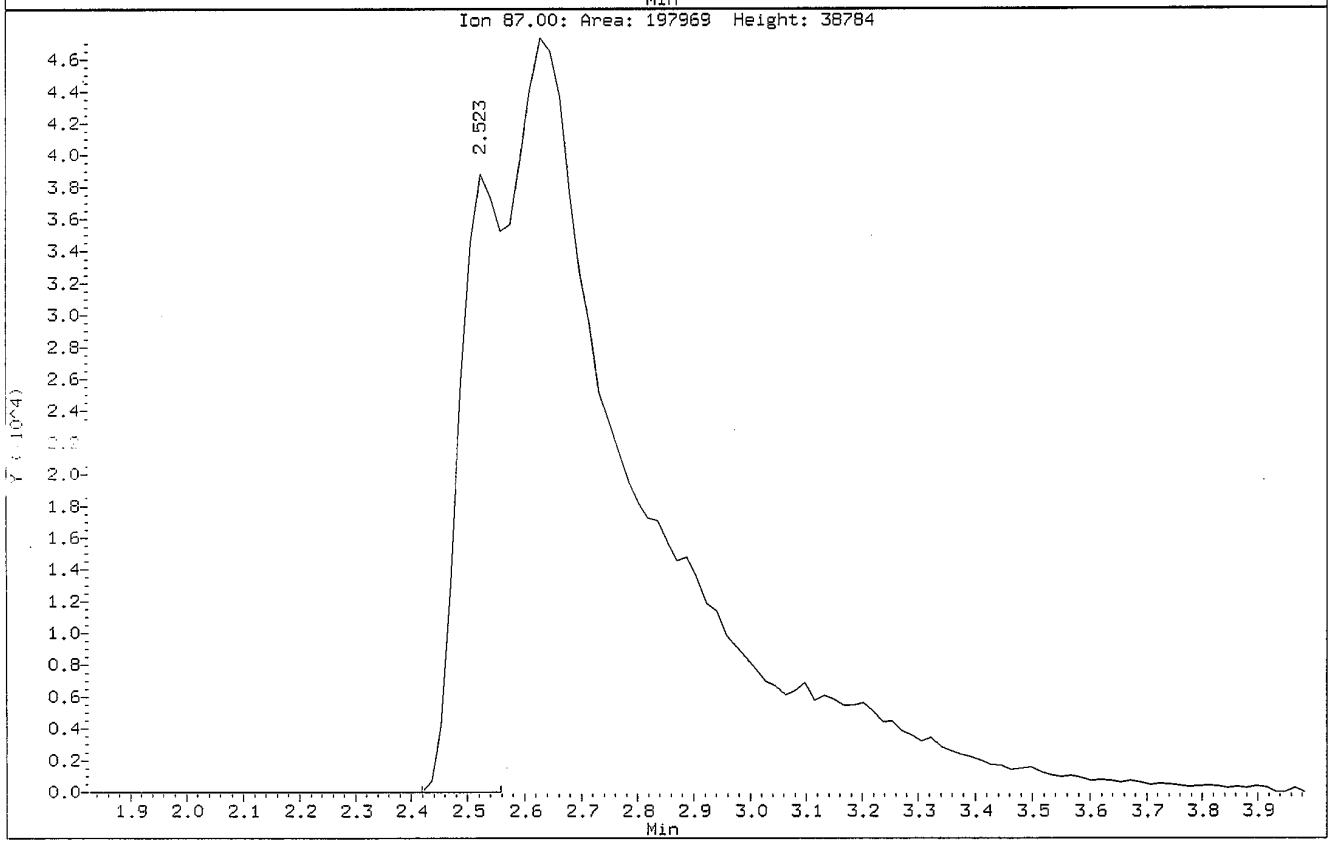
Instrument: MSG.i
Operator: TM
Column diameter: 0.53



Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4262.D
Injection Date: 01-DEC-2006 00:58
Instrument: MSG.i
Client Sample ID: B1LB37

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8





Data File: \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4262.D
Report Date: 01-Dec-2006 12:03

STL St. Louis

GC/MS VOLATILES

Data file : \\Slsvr01\Chem\MSG.i\G061130B.b\GSMP4262.D
Lab Smp Id: JKE9P1AE Client Smp ID: B1LB37
Inj Date : 01-DEC-2006 00:58
Operator : TM Inst ID: MSG.i
Smp Info : JKE9P1AE;G061130B.b
Misc Info : VBLKG334B.B; F6K280244-001;6335214; MSD
Comment : NONE
Method : \\Slsvr01\Chem\MSG.i\G061130B.b\8260B-URS.m
Meth Date : 30-Nov-2006 15:12 mahmoodt Quant Type: ISTD
Cal Date : 27-NOV-2006 23:10 Cal File: GCAL4175.D
Als bottle: 19 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H2O-qc.sub
Target Version: 4.10
Processing Host: SLVOA02

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

K
12-1-06

GC/MS MISCELLANEOUS DATA

STL St. Louis GC/MS Volatiles Runlog

Instrument: MSG Date: 11/27/06 C Operator: SS Batch #: Logbook No.: 2850

Data File	Time	Pos	Lot Number	Meth	Lab ID	Matrix	pH	Wt/Vol g/ml	MeOH Vol.	Dil. Fact.	IS	Sur	Comments
GBFB4166	18:05				50ng BFB								OK
GSBK4167	cont	1		8260B	SBLK								–
GSBK4168		2			SBLK								–
GCAL4169		3			VSTD002.5	Soil/H2O							
4170		4			VSTD005								
4171		5			VSTD010								
4172		6			VSTD020								
4173		7			VSTD050								
4174		8			VSTD100								
4175		9			VSTD200								
GSBK4176		10			SBLK								–
GSBK4177		11			SBLK								–
GLCS4178	00:59	12			ICV								OK

ICAL Good

SS 11/28/06

BFB	VA0937-6	CAL	VA0958-6
LCS/MS/MSD/ICV	VA0963-6	SURR	VA0933-6
IS	VA0925-6	Other	NA

Note: Concentrations for standards can be found in the standards log.
Form: SL-ORG-0021, Rev. 6/20/06;
Definitions: QCLCS or LCS – Laboratory Control Sample; QCBLK or BLK – Method Blank;
MeOH Lot#:

QC Reviewed By/Date: John A. Hamm 11-29-06 Spiking Verified By: Clock Review Assigned To: SS

STL St. Louis GC/MS Volatiles Runlog

Instrument: MSF Date: 12-7-06 Operator: JDH Batch #: 6344041 Logbook No.: 2844

Data File	Time	Pos	Lot Number	Meth	Lab ID	Matrix	pH	Wt/Vol g/ml	MeOH Vol.	Dil. Fact.	IS	Sur	Comments	
FSBK0857		1			S.BLK									—
FBFB0858					50ngBFB									RR
↓ 0859	13:16				50ngBFB								2/88	OK
FCAL 0860	Cont'd	1		8260B	VSTD001									
0861		2			VSTD002									
0862		3			VSTD005									
0863		4			VSTD010									
0864		5			VSTD020								Curve OK	
0865		6			VSTD050									
0866		7			VSTD100									
↓ 0867		8			VSTD200									
FSBK 0868		9			S.BLK									
FLCS 0869		10	F6L100000-041C		ICV050/JK7AJIAC						/	/		OK
FSBK 0870		11			S.BLK									—
FSBK 0871		12	F6L100000-041B		JK7AJIAA						/	/		OK
FSMP 0872		13	F6K290229-7		JKGRDIAA JDH 12-7-06	H_2O	<2	5mls	NA	1x	/	/		OK
0873		14	F6L050111-9		JKRLE1CG						/	/		OK
0874		15	-10		JKRLF1AA						/	/		OK
0875		16	-11		JKRLH1CG						/	/		OK
0876		17	-12		JKRLJ1AA						/	/		OK
0877		18	-1		JKRK11CG						/	/		OK
0878		19	-1S		↓ 1D4 (MS)						/	/		OK
0879		20	-1D		↓ 1D5 (MSD)						/	/		OK
0880		21	-2		JKRK51CG						/	/		OK
↓ 0881	↓	22	↓ -3	↓	JKRK61CG						/	/		OK

BFB	VA0937-06	CAL	VA0984-06
LCS/MS/MSD/ICV	VA0982-06	SURR	VA0933-06
IS	VA0974-06	Other	

Note: Concentrations for standards can be found in the standards log.
Form: SL-ORG-0021, Rev. 6/20/06;
Definitions: QCLCS or LCS – Laboratory Control Sample; QCBLK or BLK – Method Blank;
MeOH Lot#:

QC Reviewed By/Date: [illegible] 12/11/06 Spiking Verified By: Clock Review Assigned To: JDH

STL St. Louis GC/MS Volatiles Runlog

Instrument: **MSG** Date: 11-30-06 B Operator: Tr/SS Batch #: 6335214 Logbook No.: 2850

Data File	Time	Pos	Lot Number	Meth	Lab ID	Matrix	pH	Wt/Vol g/ml	MeOH Vol.	Dil. Fact.	IS	Sur	Comments
GBFB4244	14:16			8260B	50ng-BFB				NA				
GCAL4245	Control	1			VSTD050	H2O							
GLCS4246		2											
GBLSBK4247		3			S.BLK								
GBLK4248		4											
GSMP4249		6	F6K210171-028		JJ6A82AK		<2	5ml		1x			Confirmed 1AK OK not Bottled
4250		7	-029		JJ6CE2AK								Fixed OK
4251		8	-031		JJ6CV2AK								OK
4252		9	-032		JJ6C72AK								OK
4253		10	-033		JJ6DM2AK								OK
GSBK 4254		11	—		S.BLK								—
GSMP 4255		12	F6K210171 -033		JJ6DM3AK		<2	200µl		25X			Not used
4256		13	-033		JJ6DM3AK								OK
4257		14	-030		JJ6CL2AK			5ml		1x			Confirmed 1AK OK not Bottled
GSBK 4258		15	—		S.BLK								—
4259		16	—		S.BLK								—
GSMP4260		17	F6K280244-001		JKE9P1AC		<2						Cdn 1850 RR20X OK
4261		18	-001		1AD								OK
4262	00:58	19	-001		1AE								OK

12-01

BFB	VA0937-06	CAL	VA0972-06
LCS/MS/MSD/ICV	VA0953-06	SURR	VA0933-06
IS	VA0925-06	Other	NA

Note: Concentrations for standards can be found in the standards log.
Form: SL-ORG-0021, Rev. 6/20/06;
Definitions: QCLCS or LCS – Laboratory Control Sample; QCBLK or BLK – Method Blank;
MeOH Lot#:

QC Reviewed By/Date: Tariq Mahmood 12-1-06 Spiking Verified By: Clock Review Assigned To: Tr

STL St. Louis GC/MS Volatiles Runlog

*6346526

Instrument: MSF Date: 12-11-06 Operator: JDH Batch #: 6346292 Logbook No.: 2844

Data File	Time	Pos	Lot Number	Meth	Lab ID	Matrix	pH	Wt/Vol g/ml	MeOH Vol.	Dil. Fact.	IS	Sur	Comments	
FBFB0915	13:50				50ng BFB								2/88	OK
FCAL0916	cont'd	1		8260B	VSTD050									RR
0917		2			VSTD050								OXYGENATES	OK
0918		3			VSTD050									OK
FLCS0919		4	F6L120000-526C F6L120000-292C		JLA9DIAC JLGRØIAC						/	/		OK
FSBK0920		5			S.BLK									—
FBLK0921		6	F6L120000-526B F6L120000-292B		JLA9DIAA JLGRØIAA						/	/		OK
FSMP0922		7	F6L050180-7		JKR8CIAA	H_2O	<2	5mls	NA	1x	/	/		OK
0923		8	-5		JKR7TICF						/	/		OK
0924		9	F6L060222-4		JKWWQ1CV						/	/		OK
0925		10	-5		JKWW91AA						/	/		OK
0926		11	F6L070281-4		JK1781CH						/	/		OK
0927		12	-7		JK18E1AA						/	/		OK
0928		13	F6K280244-1		* JKE9P2AC JDH 12-12-06			250ul		20X	/	/		OK
0929		14	F6L050180-4		JKR76ICF			5mls		1x	/	/	$CHCl_3$ - 930ppb	RR 10X
0930		15	-4S		1FP (MS)						/	/		OK
0931		16	-4D		1FQ (MSD)						/	/		OK
FSBK0932		17			S.BLK									—
FSMP0933		18	F6L050180-1		JKR62ICC						/	/	$CHCl_3$ - 228ppb	RR2X
0934		19	-2		JKR7DICF						/	/		OK
0935		20	-3		JKR7FICK						/	/		OK
0936		21	-6		JKR78ICF						/	/	$CHCl_3$ - 272ppb	RR2X
0937		22	F6L060222-1		JKWQMICC						/	/	$CHCl_3$ - 1300ppb	RR 10X
0938		23	-2		JKWVWICM						/	/	$CHCl_3$ - 661ppb	RR 5X
0939	23:41	24	-3		JKWWKICV						/	/	$CHCl_3$ - 1500ppb	RR 20X

BFB	VA0937-06	CAL	VA0993-06
LCS/MS/MSD/ICV	VA0989-06	SURR	VA0933-06
IS	VA0974-06	Other	VA0995-06

Note: Concentrations for standards can be found in the standards log.
Form: SL-ORG-0021, Rev. 6/20/06;
Definitions: QCLCS or LCS – Laboratory Control Sample; QCBLK or BLK – Method Blank;
MeOH Lot#:

QC Reviewed By/Date: 12/14/06 Spiking Verified By: Clock Review Assigned To: JDH