STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107.b\S7524.D
Lab Smp Id: DM9GQ1AX
Inj Date : 07-NOV-2000 18:00
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GQ1AX;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 23:46 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

STP 11/8/00

"NO REPORT ... TIC'S ..."

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.294	6.290	(0.544)	15565	17.0365	17.0365 (A) STP 11/8/00
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43	9.484	9.466	(0.820)	1572	1.38818	1.38818 (M) 11/8/00
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.864	10.853	(0.940)	198962	50.7405	50.7405
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.568	11.134	(1.001)	~~7120~~	~~1.17407~~	~~1.17407~~ ND
* 32 1,4-Difluorobenzene	114	11.561	11.558	(1.000)	493267	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.947	13.943	(1.206)	524550	46.0980	46.0980
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
52 1-Chlorohexane	91	16.225	16.149	(1.001)	~~1149~~	~~0.29425~~	~~0.294232~~ ND
* 50 Chlorobenzene-d5	117	16.211	16.215	(1.000)	401275	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.015	18.011	(1.111)	181719	41.3338	41.3338
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.811	19.808	(1.000)	192062	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

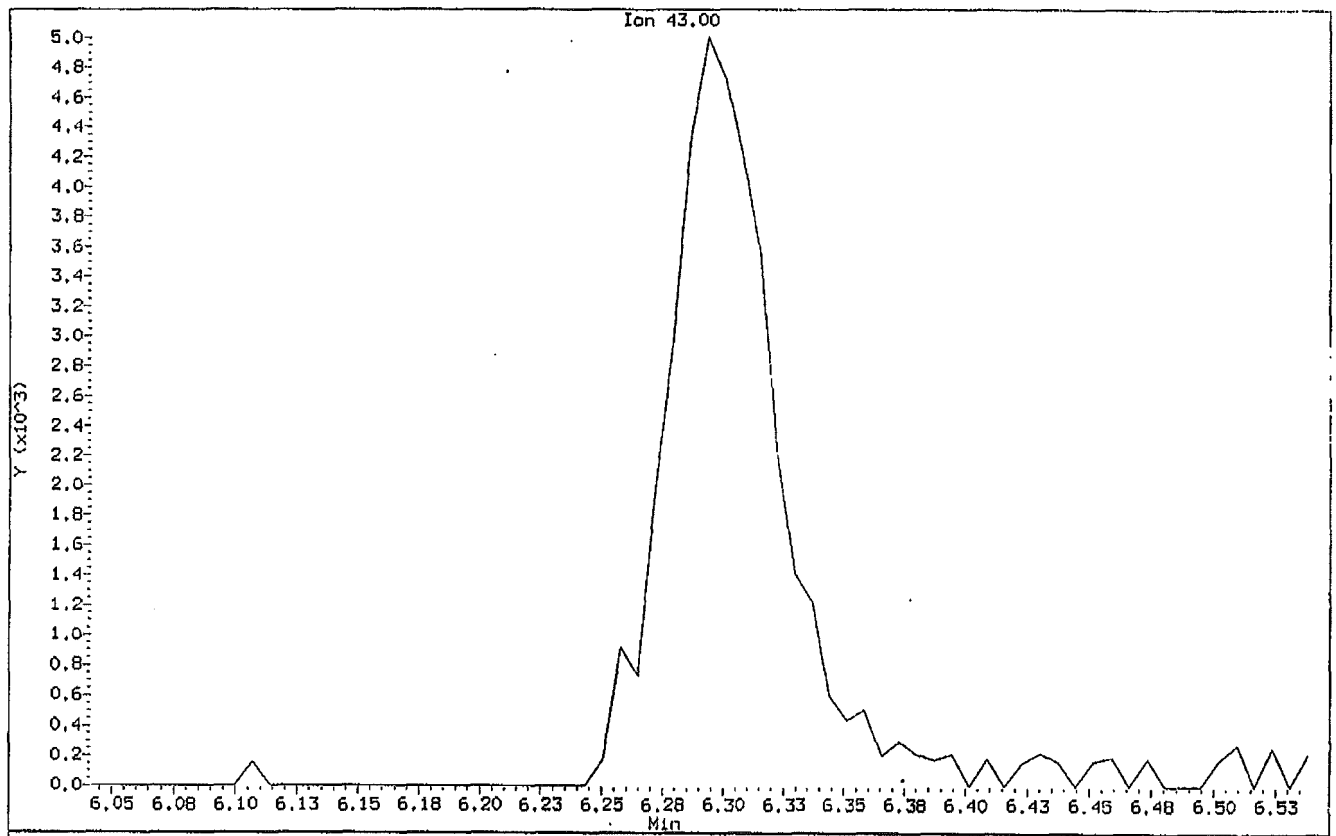
QC Flag Legend

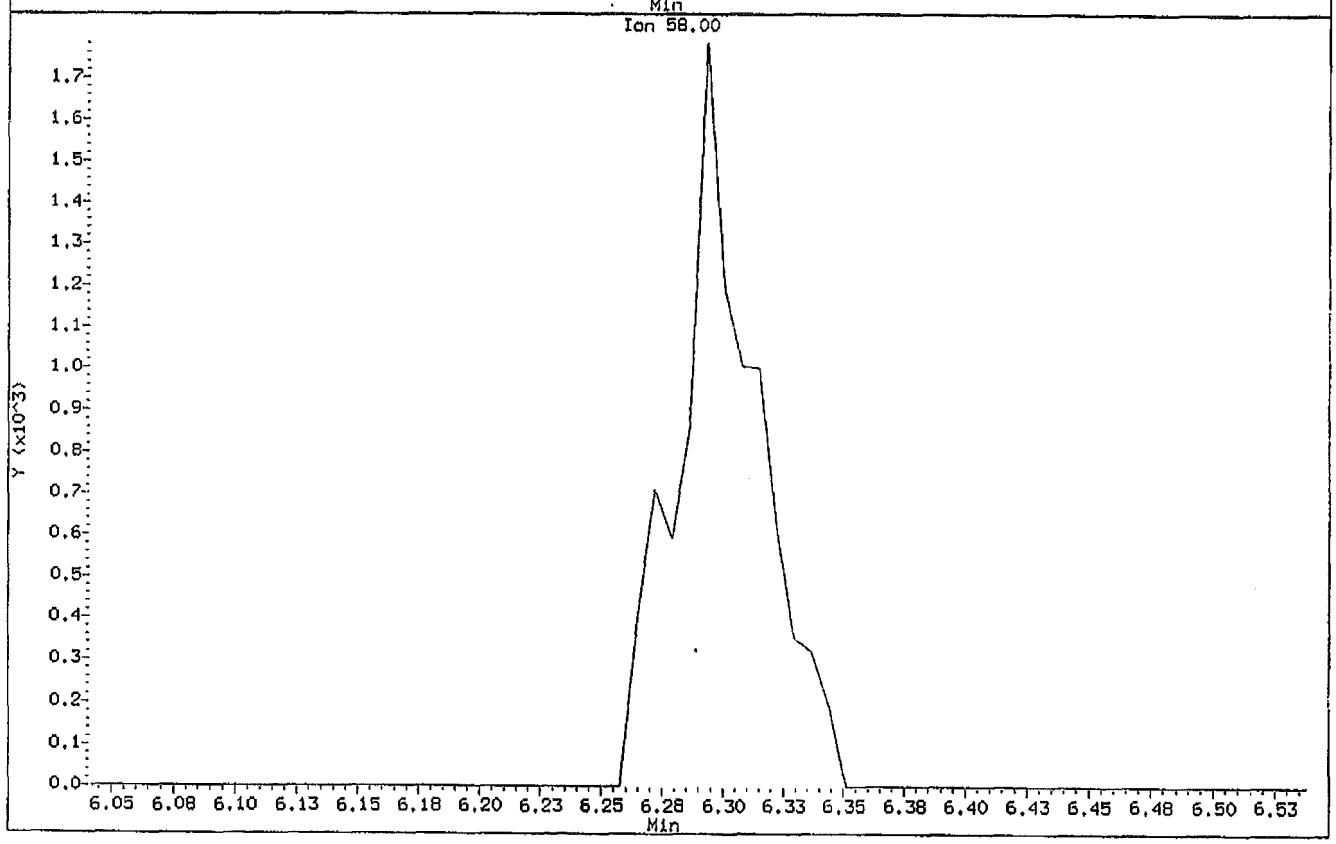
M - Compound response manually integrated.

(1) - peak not found

Data File: /chem/hp7.i/H71107.b/S7524.D
Injection Date: 07-NOV-2000 18:00
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1

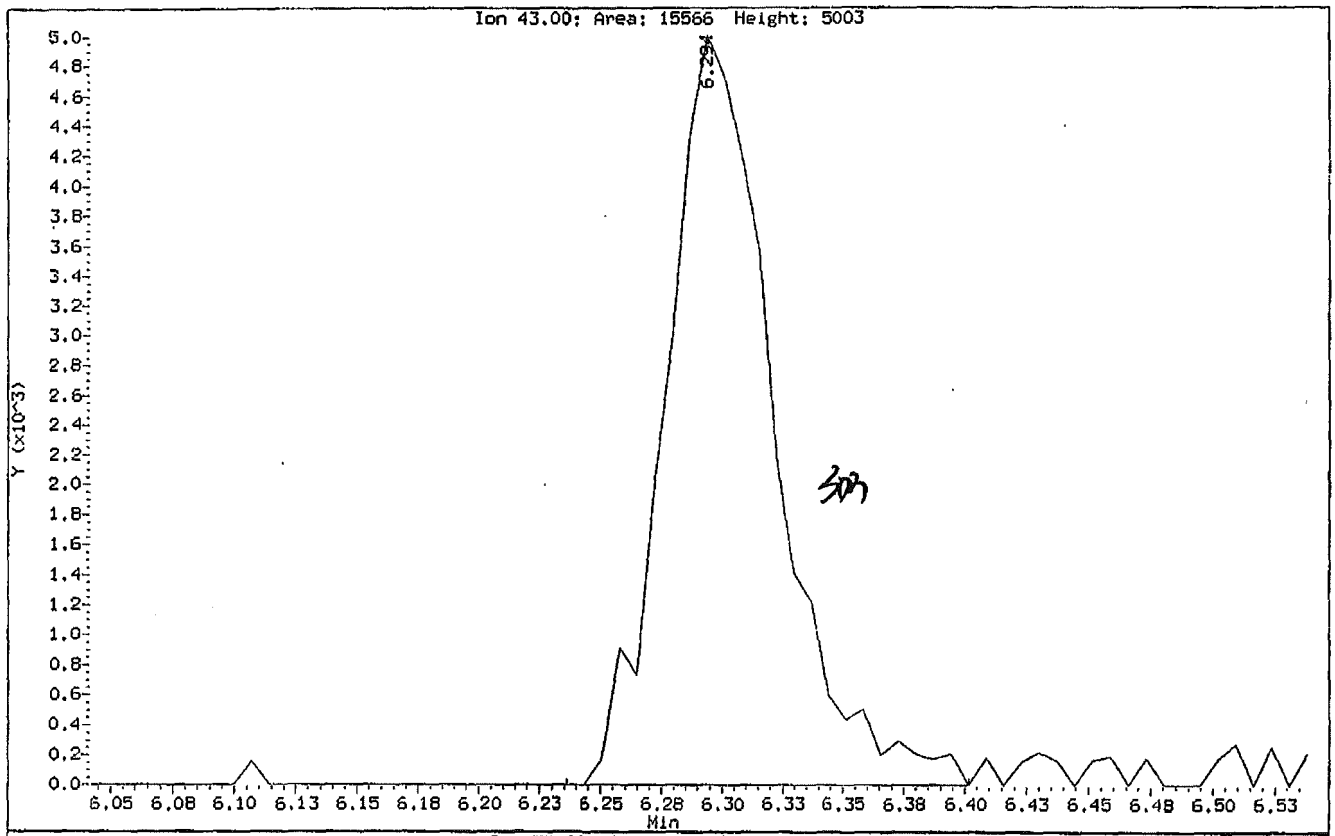


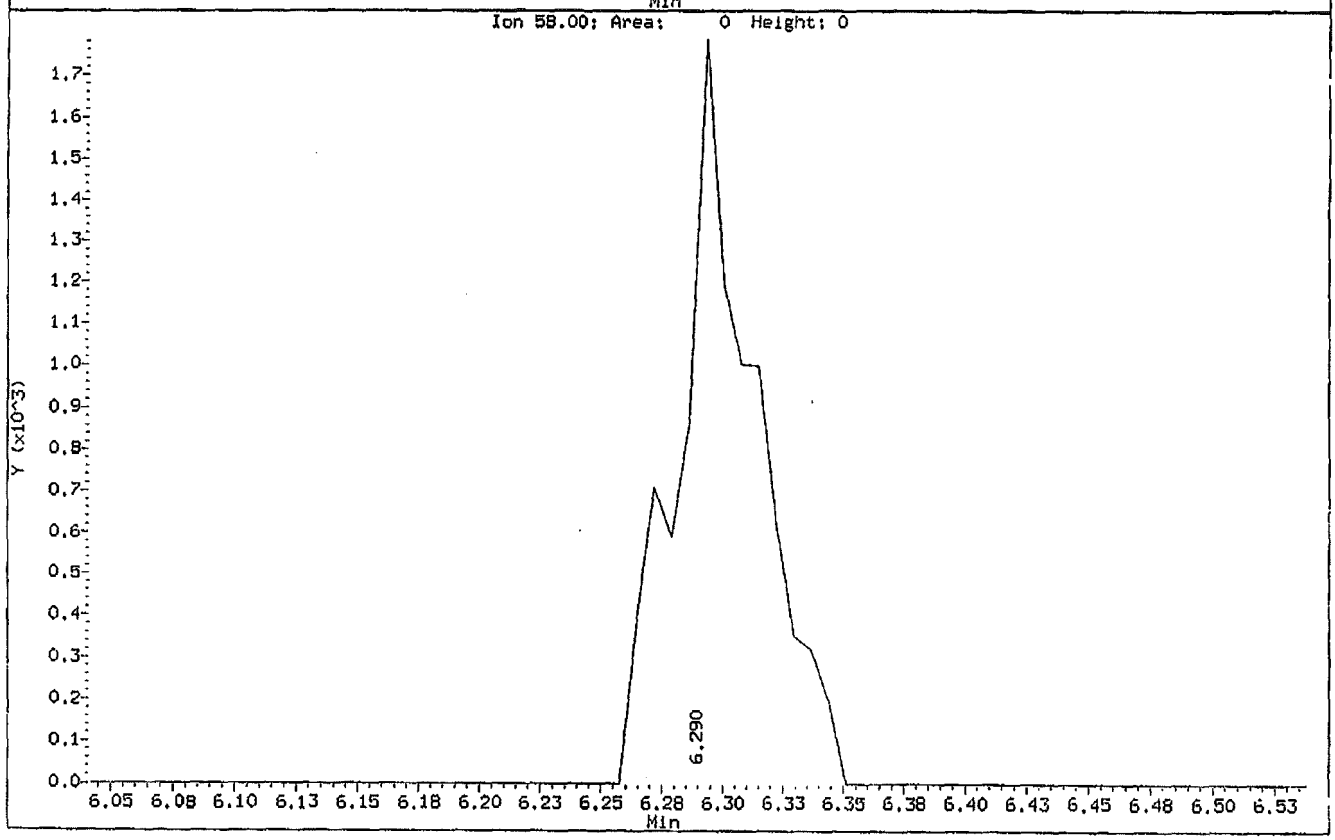


001594

Data File: /chem/hp7.i/H71107.b/S7524.D
Injection Date: 07-NOV-2000 18:00
Instrument: hp7.i
Client Sample ID:

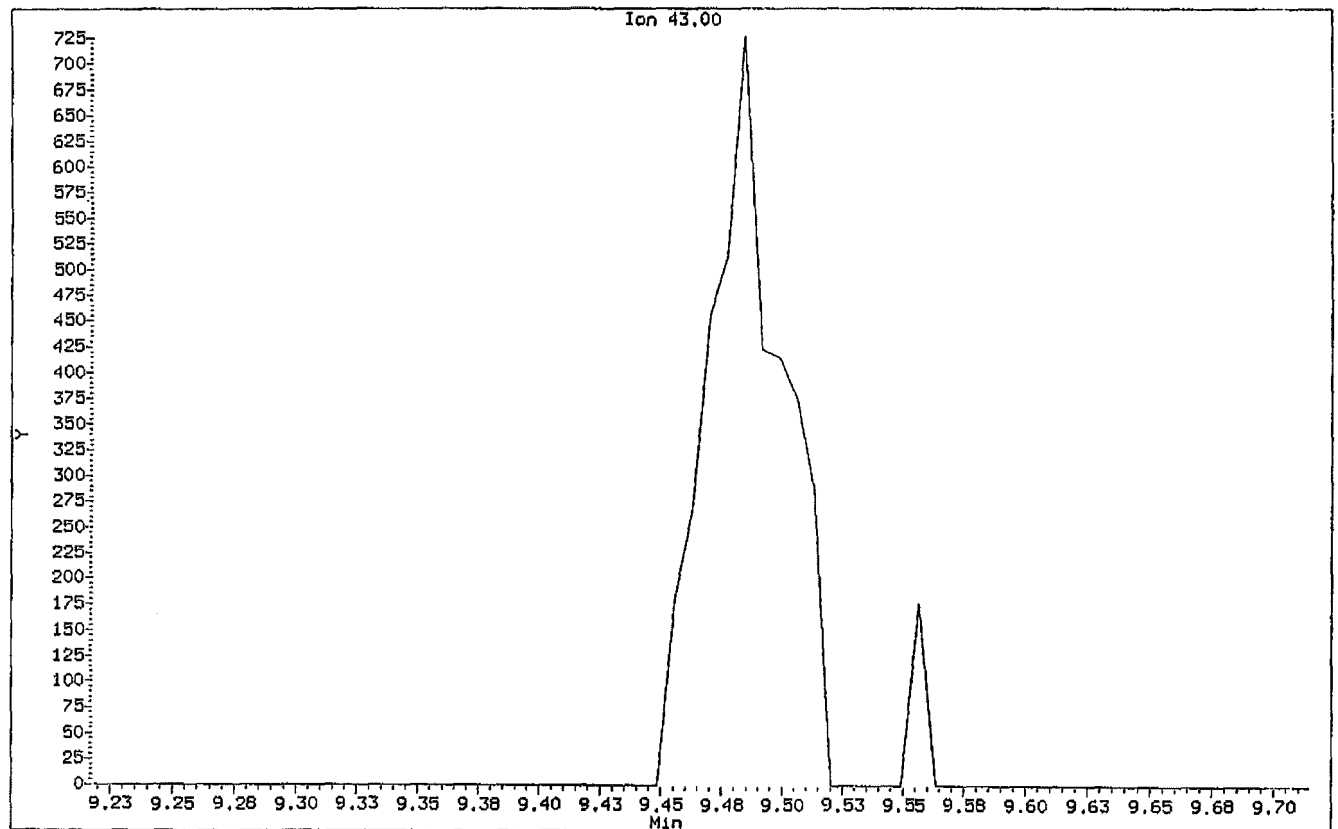
Compound: Acetone
CAS Number: 67-64-1

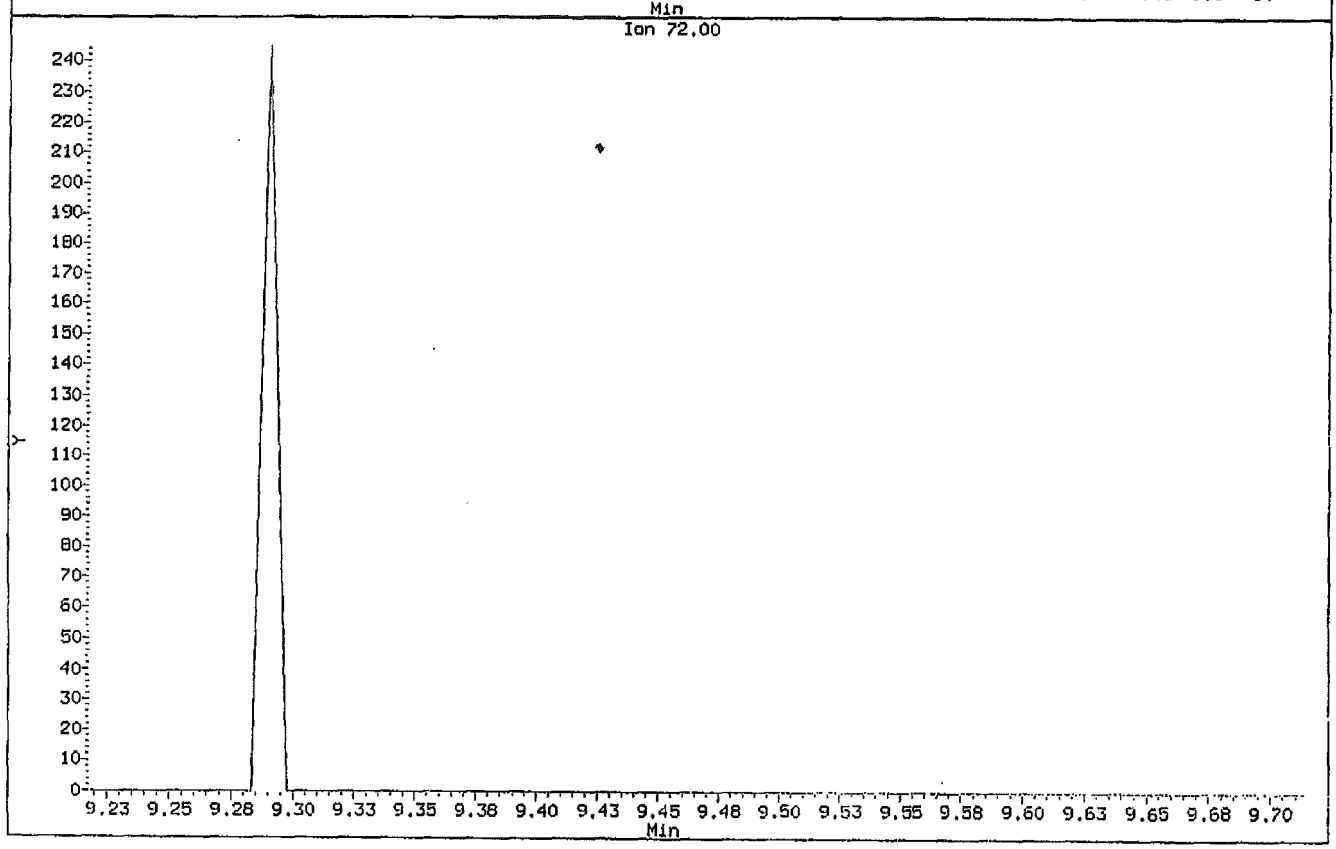




Data File: /chem/hp7.i/H71107.b/S7524.D
Injection Date: 07-NOV-2000 18:00
Instrument: hp7.i
Client Sample ID:

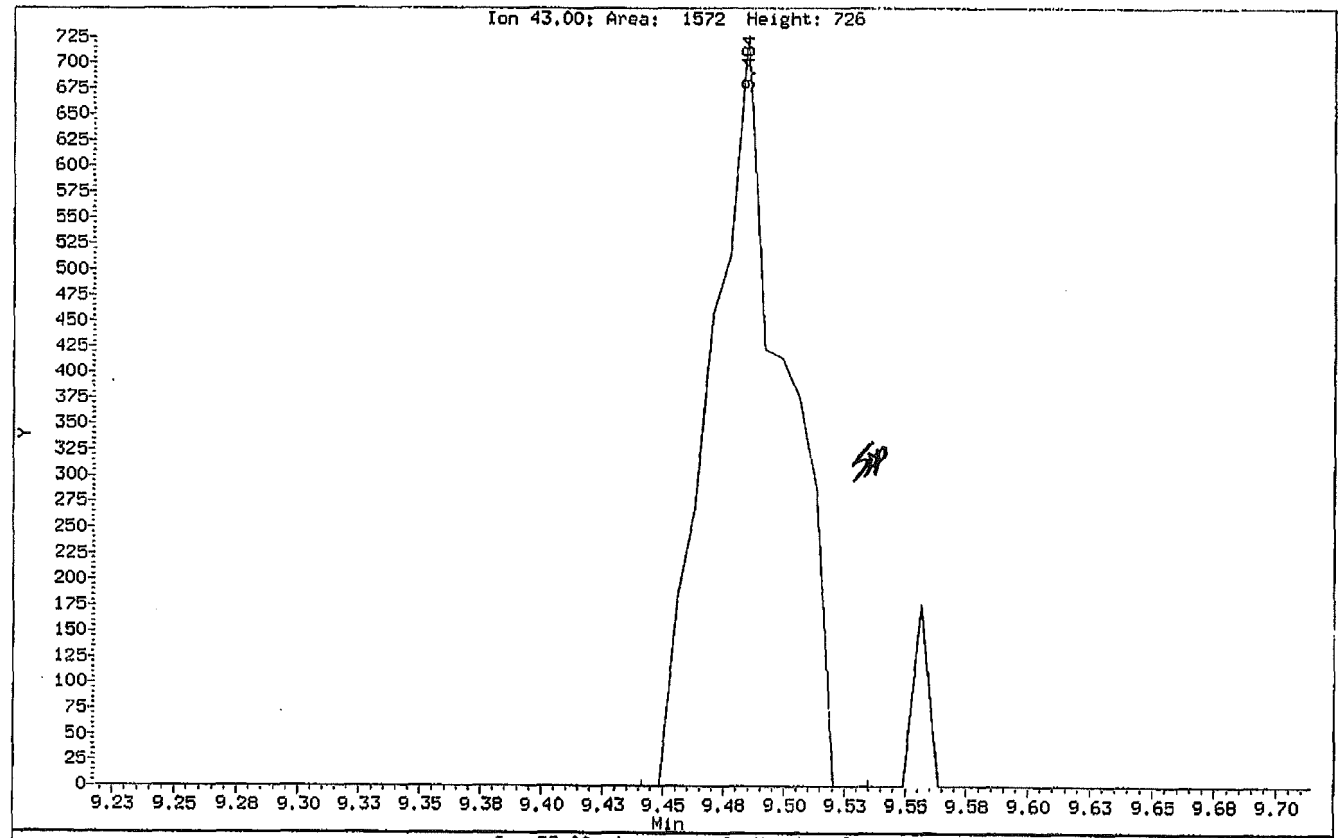
Compound: 2-Butanone
CAS Number: 78-93-3

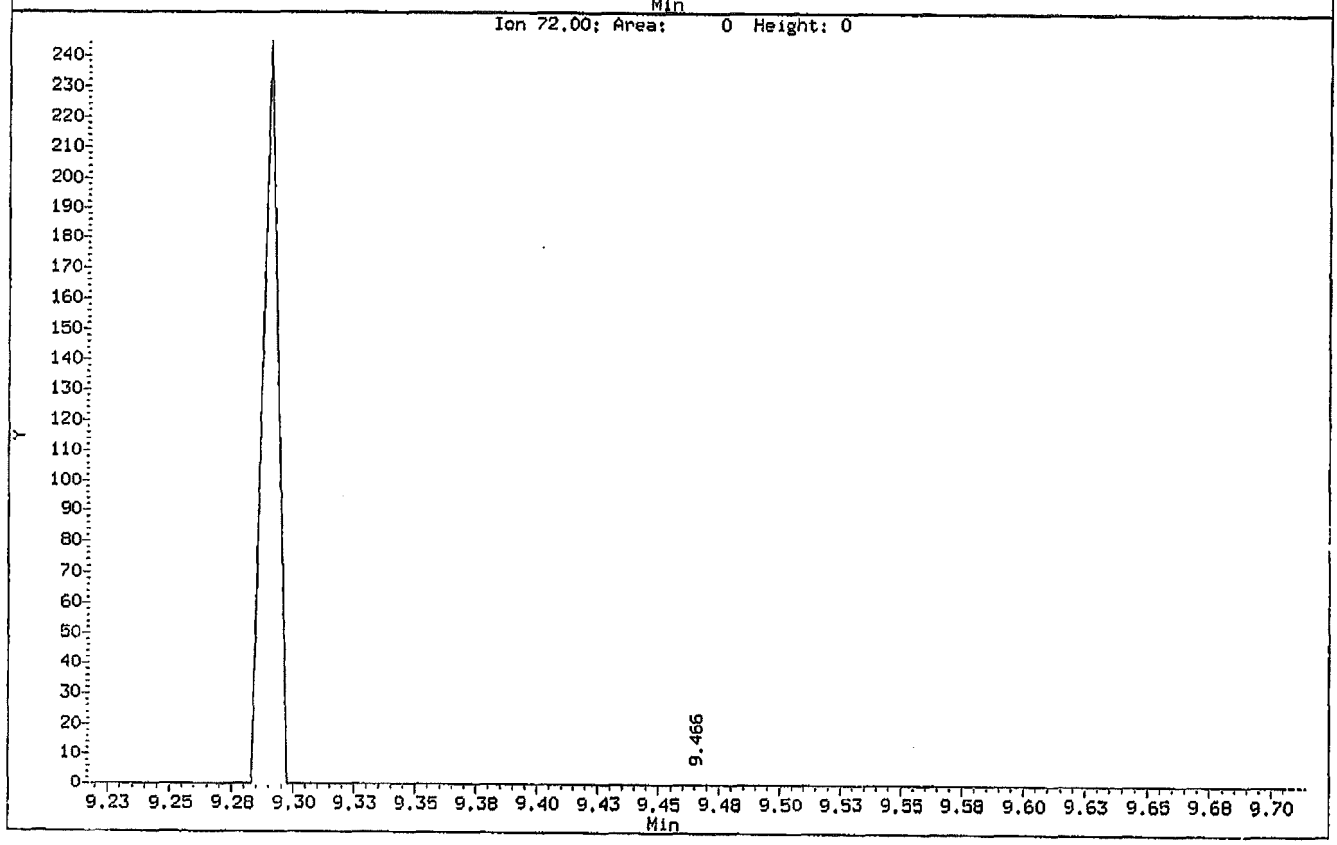




Data File: /chem/hp7.i/H71107.b/S7524.D
Injection Date: 07-NOV-2000 18:00
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3





STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107.b\S7524.D
Lab Smp Id: DM9GQ1AX
Inj Date : 07-NOV-2000 18:00
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GQ1AX;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 13:30 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.864	10.853	(0.940)	198962	50.7405	50.7405
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.568	11.134	(1.001)	7420	1.17407	1.17407
* 32 1,4-Difluorobenzene	114	11.561	11.557	(1.000)	493267	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (Xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.947	13.943	(1.206)	524550	46.0980	46.0980
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(Xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
52 1-Chlorohexane	91	16.225	16.149	(1.001)	1149	0.29423	0.294232
* 50 Chlorobenzene-d5	117	16.211	16.207	(1.000)	401275	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.015	18.011	(1.111)	181719	41.3338	41.3338
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.811	19.807	(1.000)	192062	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107.b\S7524.D
Lab Smp Id: DM9GQ1AX
Inj Date : 07-NOV-2000 18:00
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GQ1AX;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 13:30 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7524.D
Lab Smp Id: DM9GQ1AX
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 0951

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	636569	318285	1273138	493267	-22.51
50 Chlorobenzene-d5	549818	274909	1099636	401275	-27.02
72 1,4 Dichlorobenze	301876	150938	603752	192062	-36.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.56	0.03
50 Chlorobenzene-d5	16.21	15.71	16.71	16.21	0.02
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9GQ1AX
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SDB

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	50.7405	101.48	75-125
$ 41 Toluene-d8	50.0000	46.0980	92.20	75-125
$ 60 4-Bromofluorobenze	50.0000	41.3338	82.67	80-120

STL Sacramento

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9GQ1AX
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

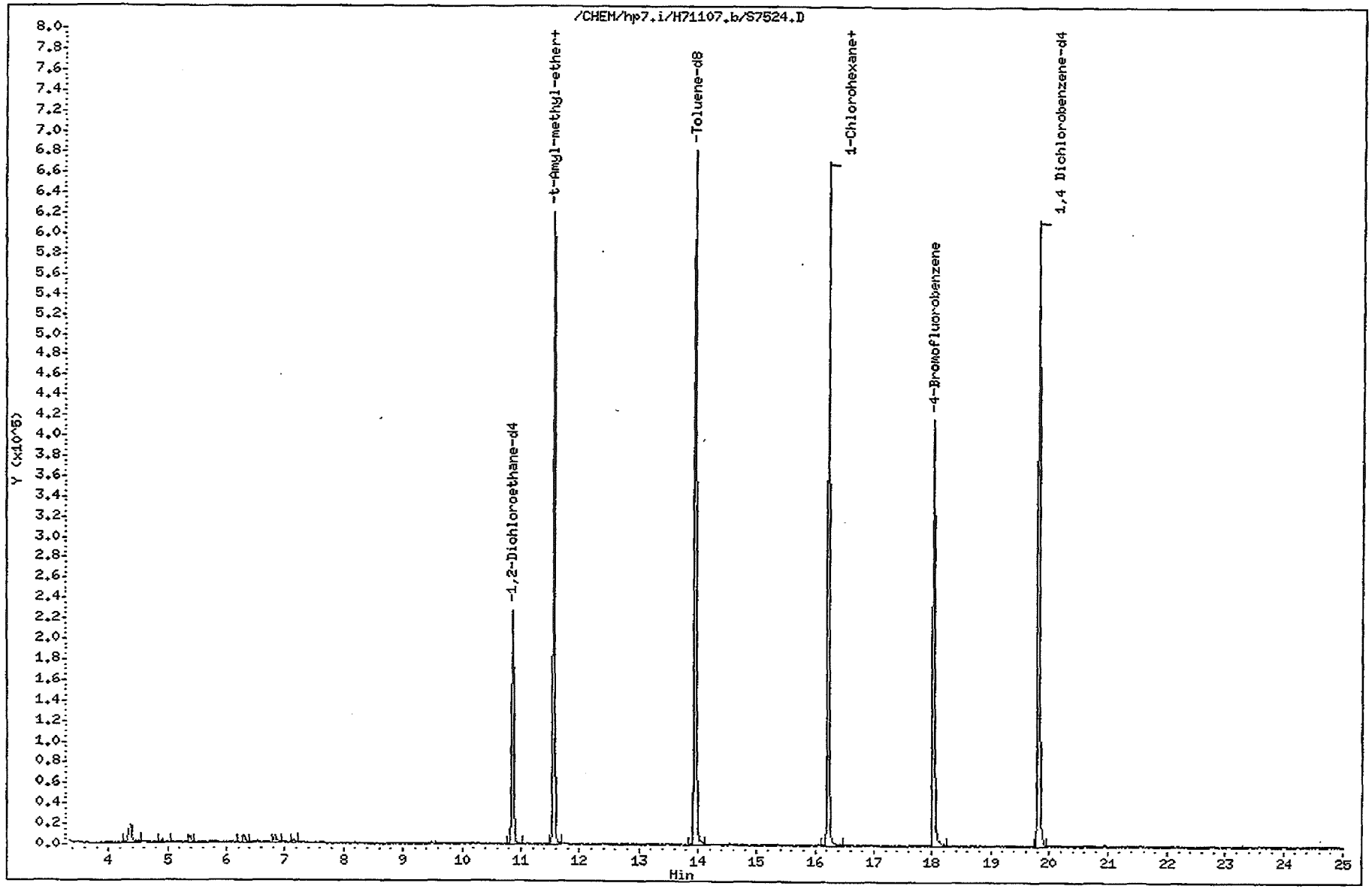
CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107.b/S7524.D
Date : 07-NOV-2000 18:00
Client ID:
Sample Info: DH9GQ1AX;Barmbys;0;;;;2

Instrument: hp7.i
Operator: Barmbys
Column diameter: 0.53

Column phase:



BOE-C6-0175143

001905

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107.b\S7525.D
Lab Smp Id: DM9GR1AA
Inj Date : 07-NOV-2000 18:31
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GR1AA;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 23:46 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

"NO REPORTABLE" TICS PRESENT

SDB 11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.304	6.290	(0.545)	12154	13.0136	13.0136(M) SDB 11/8/00
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43	9.481	9.466	(0.820)	1422	1.22880	1.22880 (M) (1) SAS 11/8/00
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.868	10.853	(0.940)	196116	48.9277	48.9277
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73.00	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	11.565	11.558	(1.000)	504225	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.951	13.943	(1.206)	537175	46.1816	46.1816
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
	52 1-Chlorohexane	91	16.207	16.149	(1.000)	~~830~~	~~0.20441~~	~~0.204412~~ → NA
*	50 Chlorobenzene-d5	117	16.214	16.215	(1.000)	417237	50.0000	
	51 Chlorobenzene (**)	112.00	Compound Not Detected.					
	53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
	54 Ethylbenzene (*)	106.00	Compound Not Detected.					
	55 Xylenes (m,p)	106.00	Compound Not Detected.					
M	132 Xylenes (Total)	106.00	Compound Not Detected.					
	56 Xylene (o)	106.00	Compound Not Detected.					
	57 Styrene	104.00	Compound Not Detected.					
	58 Bromoform (**)	173.00	Compound Not Detected.					
	59 Isopropylbenzene	105.00	Compound Not Detected.					
$	60 4-Bromofluorobenzene	95	18.018	18.011	(1.111)	187493	41.0156	41.0156
	62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
	130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
	63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
	61 Bromobenzene	156.00	Compound Not Detected.					
	64 N-Propylbenzene	91.00	Compound Not Detected.					
	65 2-Chlorotoluene	91.00	Compound Not Detected.					
	67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
	66 4-Chlorotoluene	91.00	Compound Not Detected.					
	68 T-Butylbenzene	119.00	Compound Not Detected.					
	69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
	70 Sec-Butylbenzene	105.00	Compound Not Detected.					
	73 P-Isopropyltoluene	119.00	Compound Not Detected.					
	71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
*	72 1,4 Dichlorobenzene-d4	152	19.815	19.808	(1.000)	202619	50.0000	
	74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
	76 N-Butylbenzene	91.00	Compound Not Detected.					
	75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
	77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
	78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
	79 Hexachlorobutadiene	225.00	Compound Not Detected.					
	80 Napthalene	128.00	Compound Not Detected.					
	81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

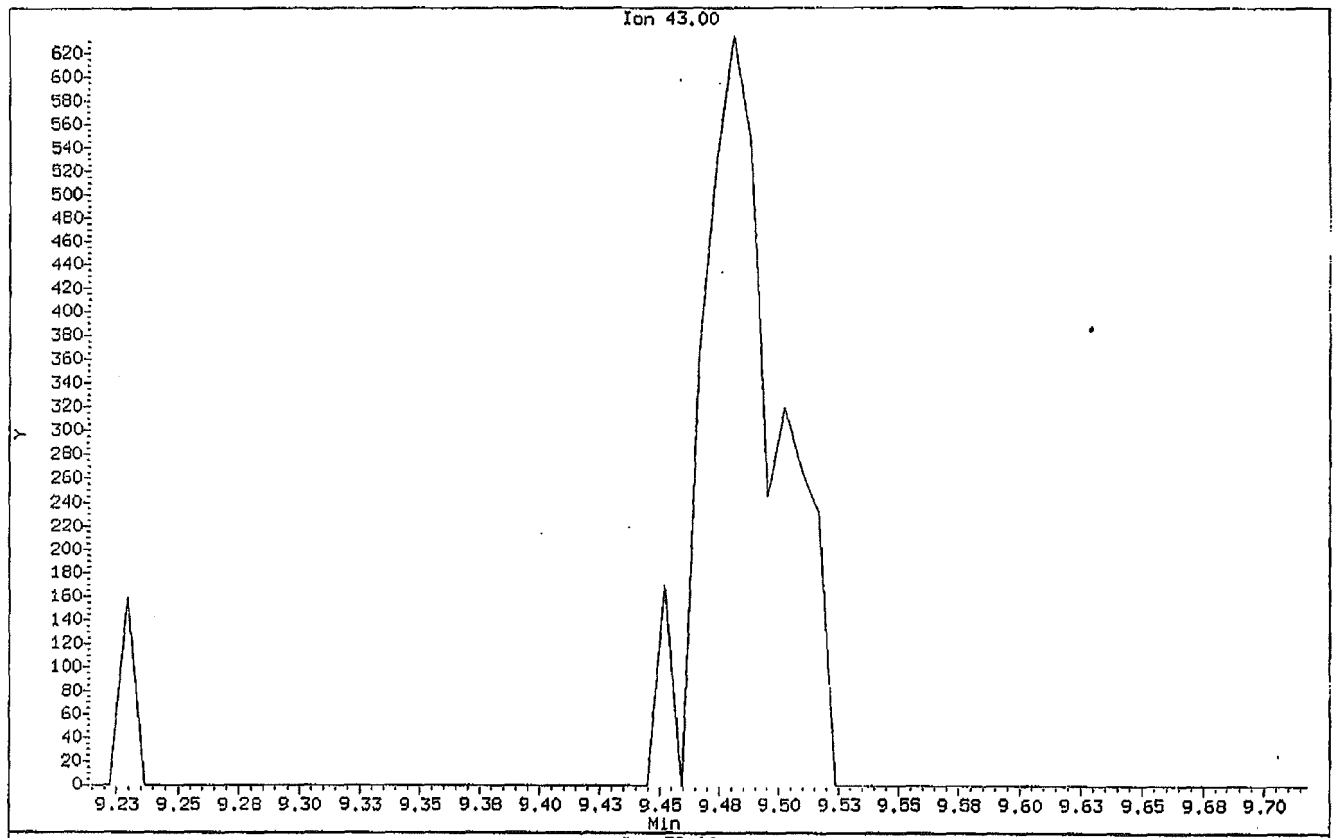
QC Flag Legend

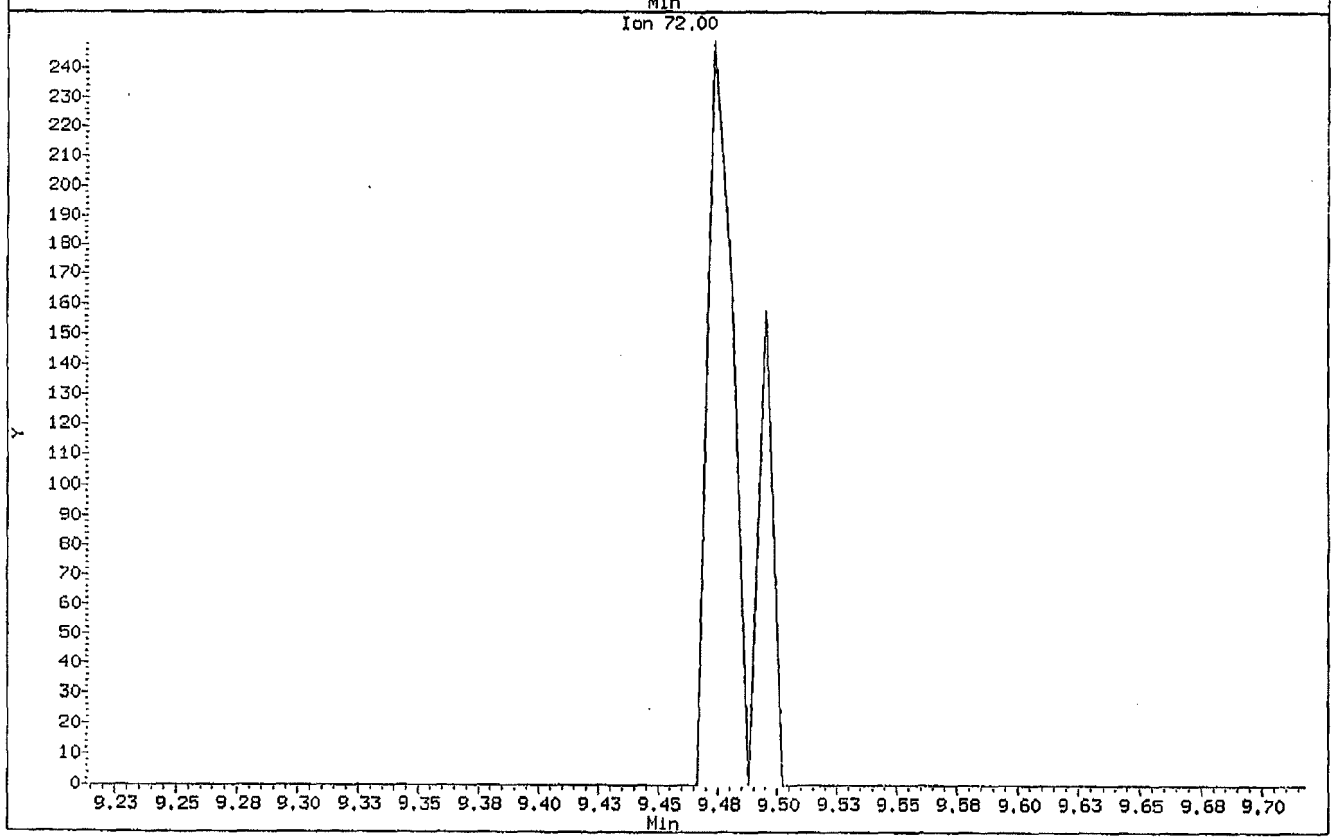
M - Compound response manually integrated.

Sm (1)-peak not found

Data File: /chem/hp7.i/H71107.b/S7525.D
Injection Date: 07-NOV-2000 18:31
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3

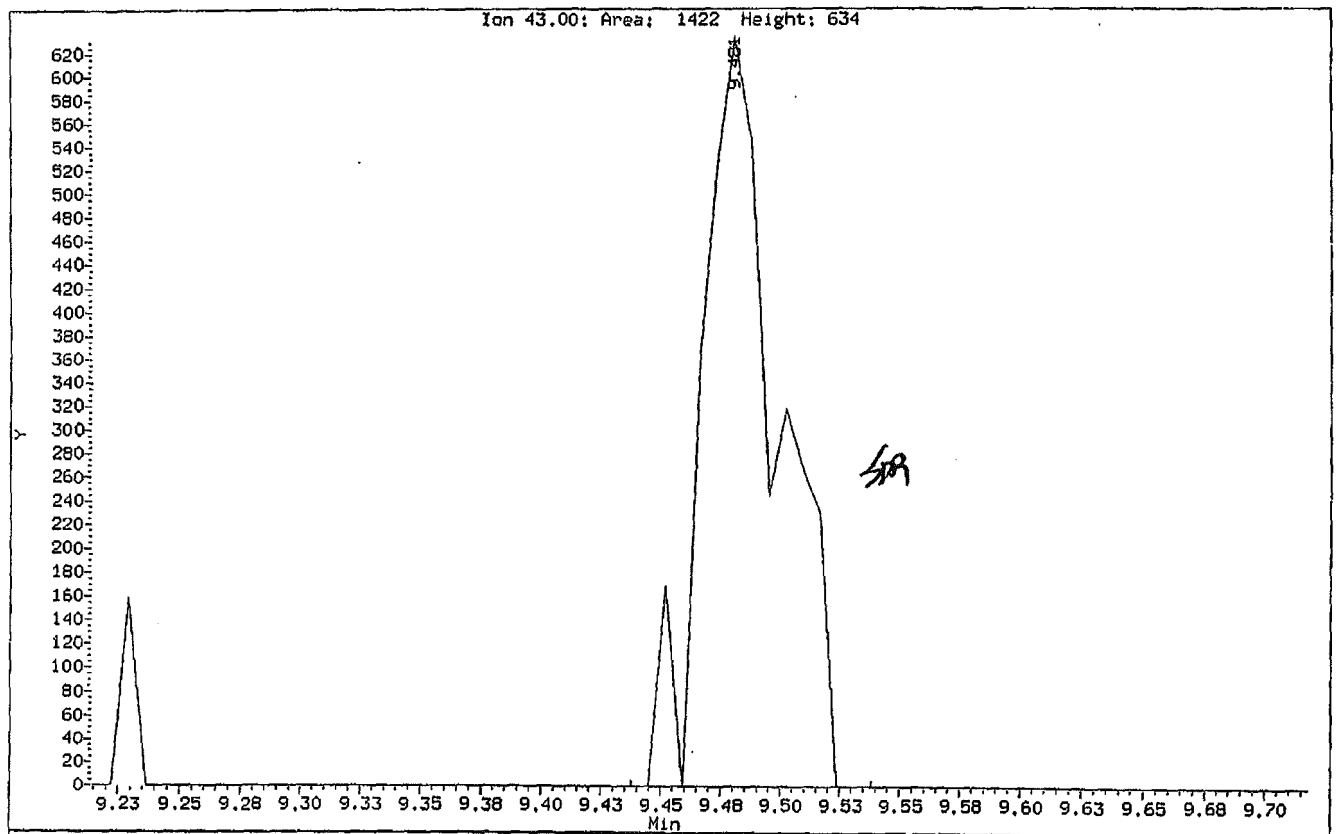


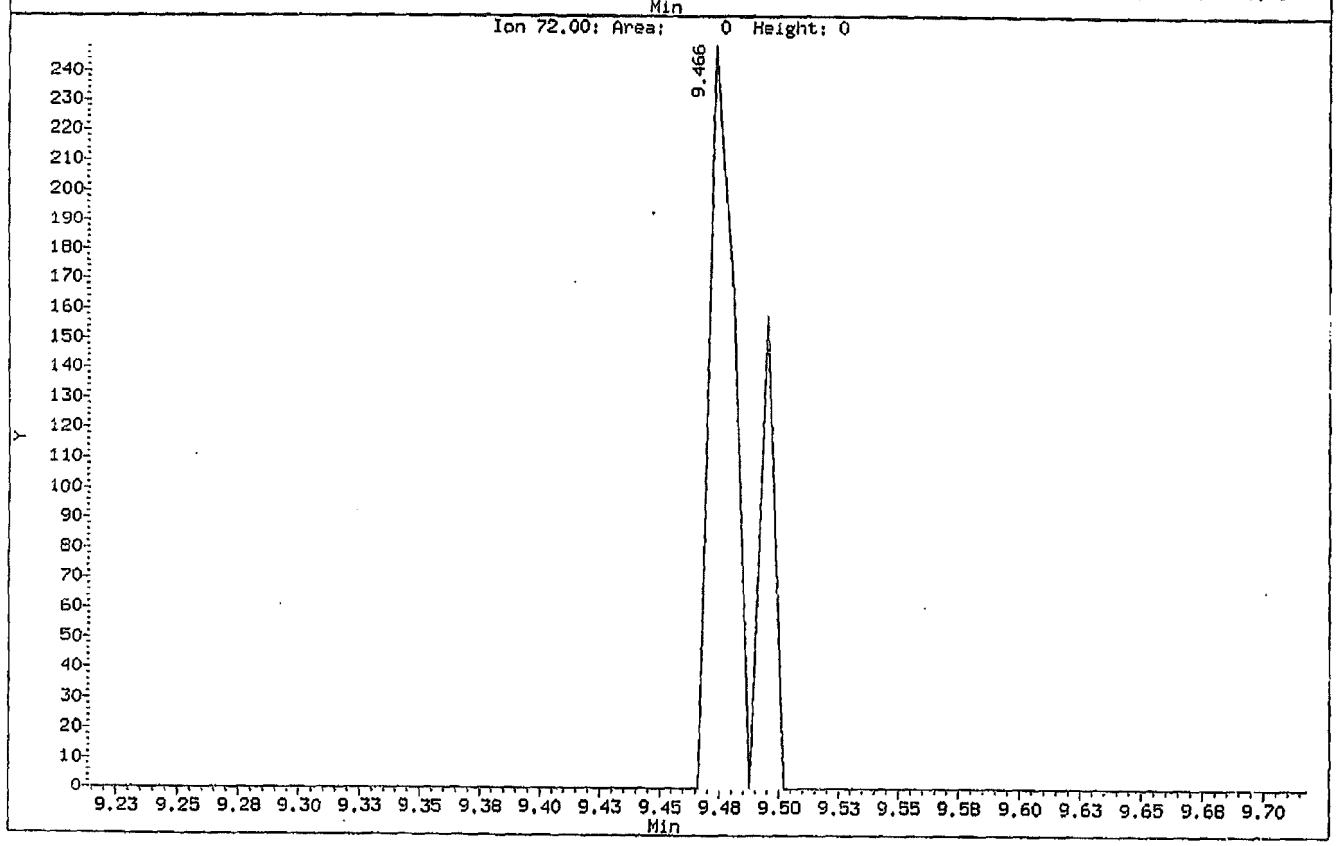


001609

Data File: /chem/hp7.i/H71107.b/S7525.D
Injection Date: 07-NOV-2000 18:31
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3



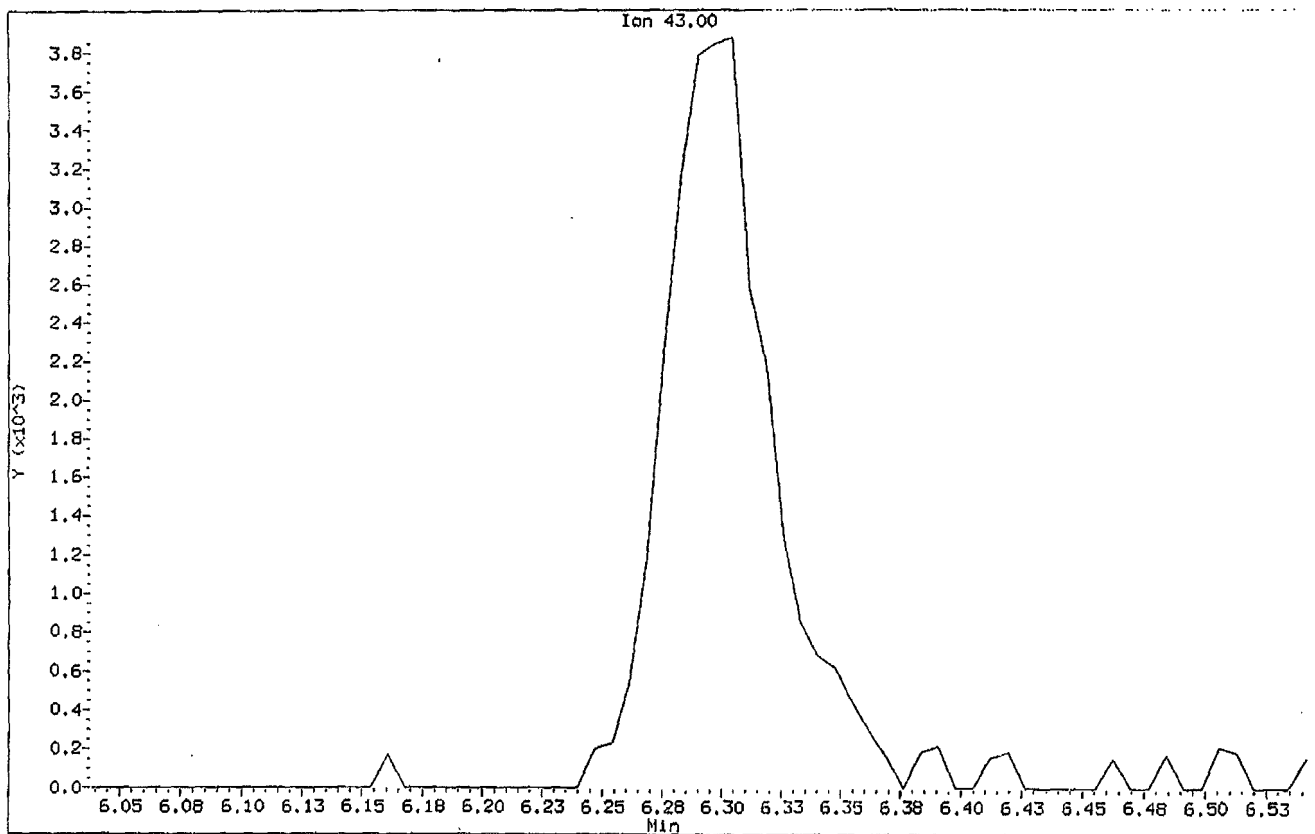


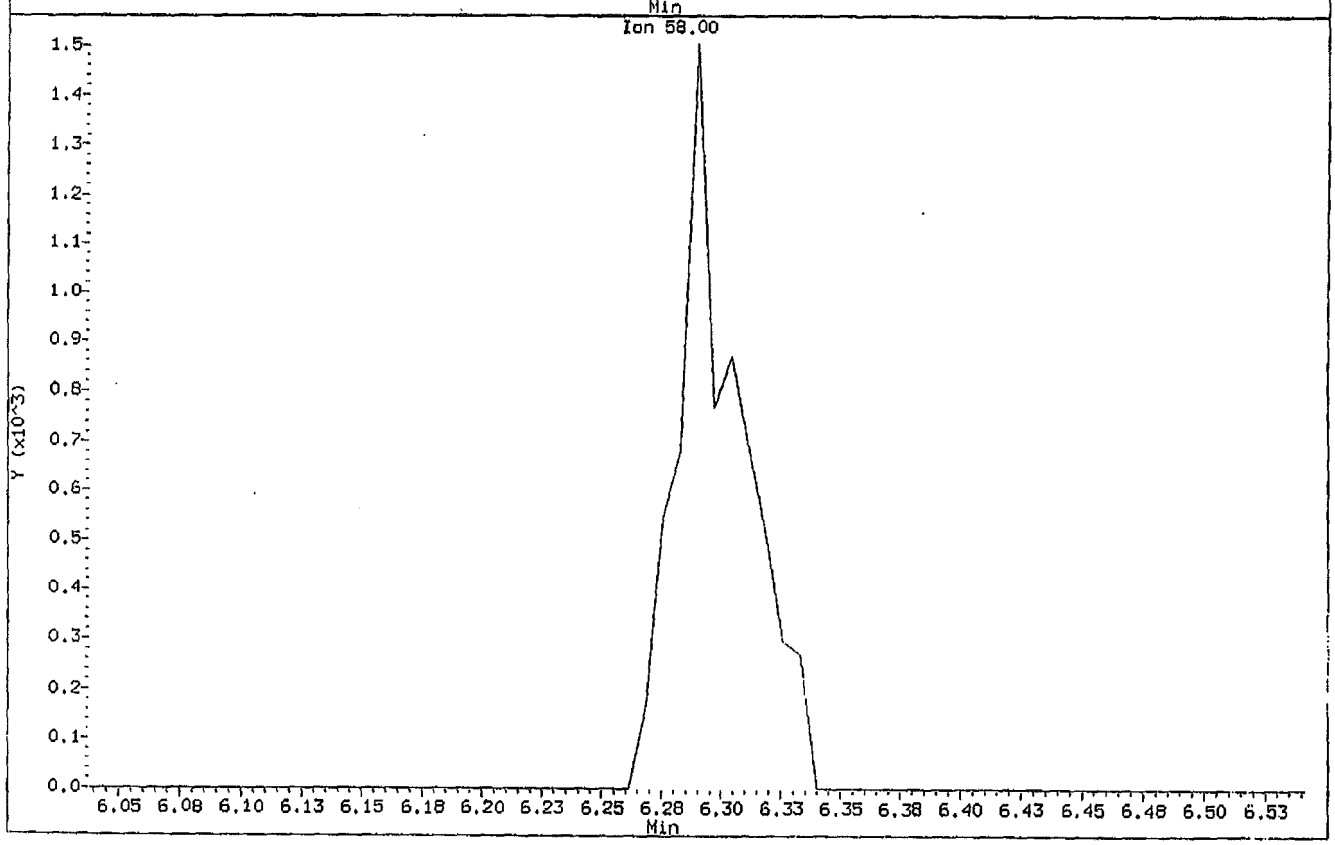
001610

BOE-C6-0175148

Data File: /chem/hp7.i/H71107.b/S7525.D
Injection Date: 07-NOV-2000 18:31
Instrument: hp7.i
Client Sample ID:

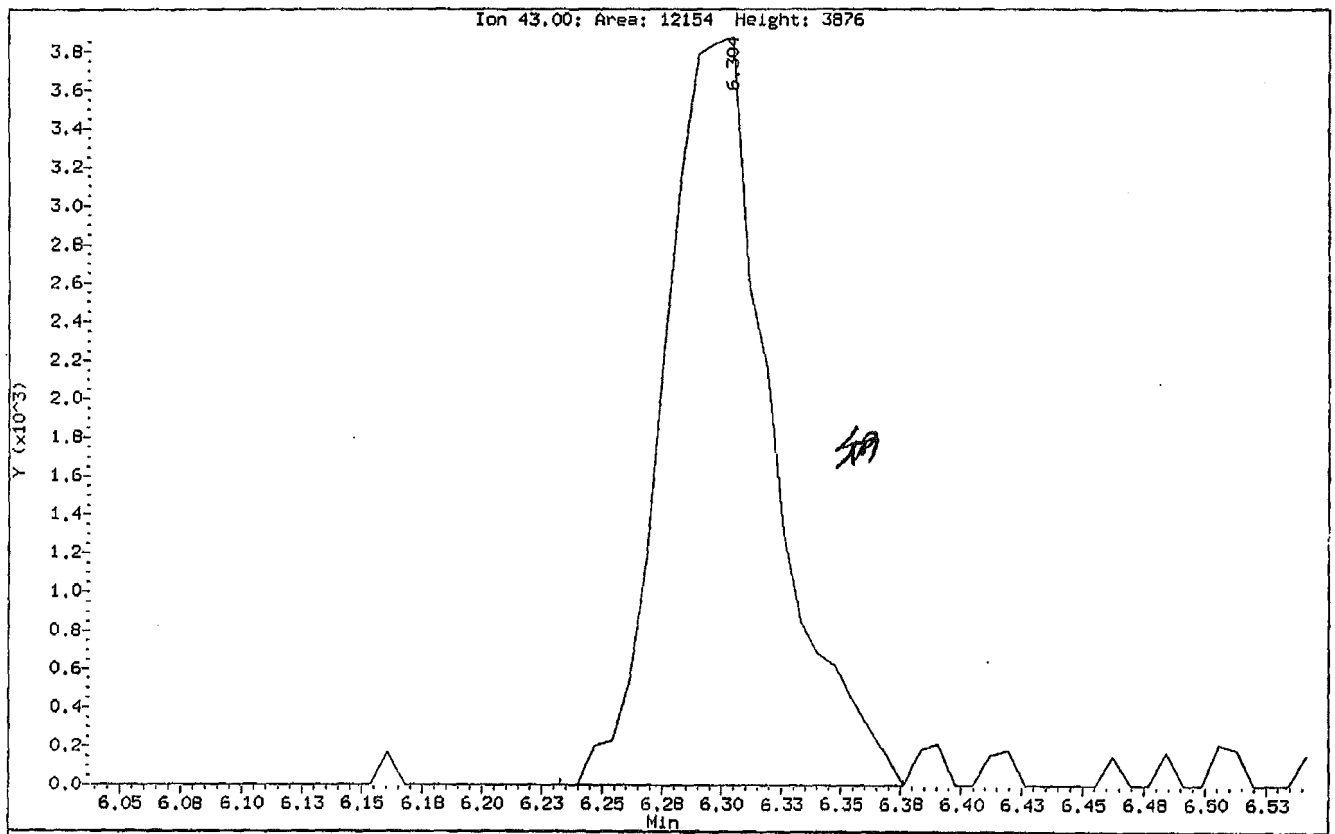
Compound: Acetone
CAS Number: 67-64-1

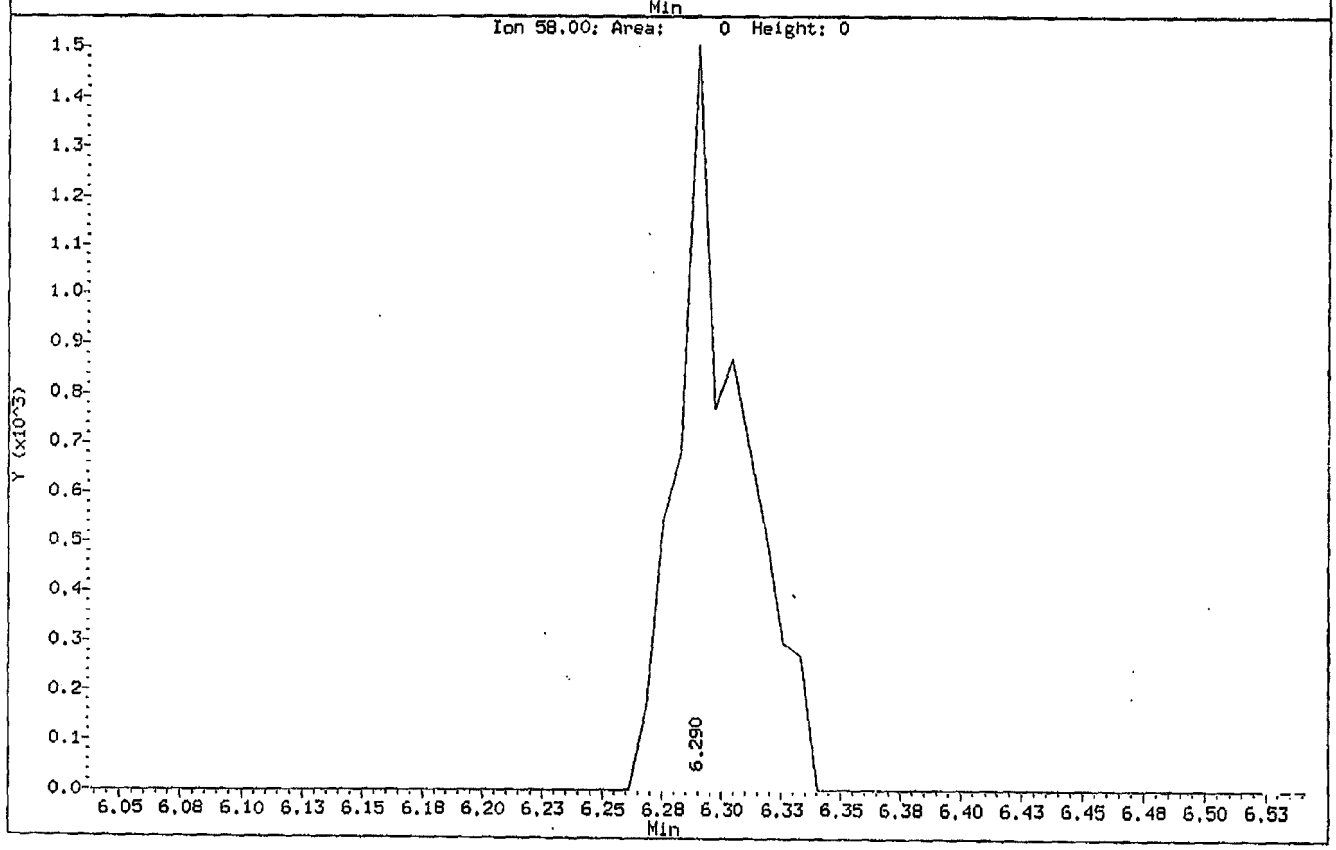




Data File: /chem/hp7.i/H71107.b/S7525.D
Injection Date: 07-NOV-2000 18:31
Instrument: hp7.i
Client Sample ID:

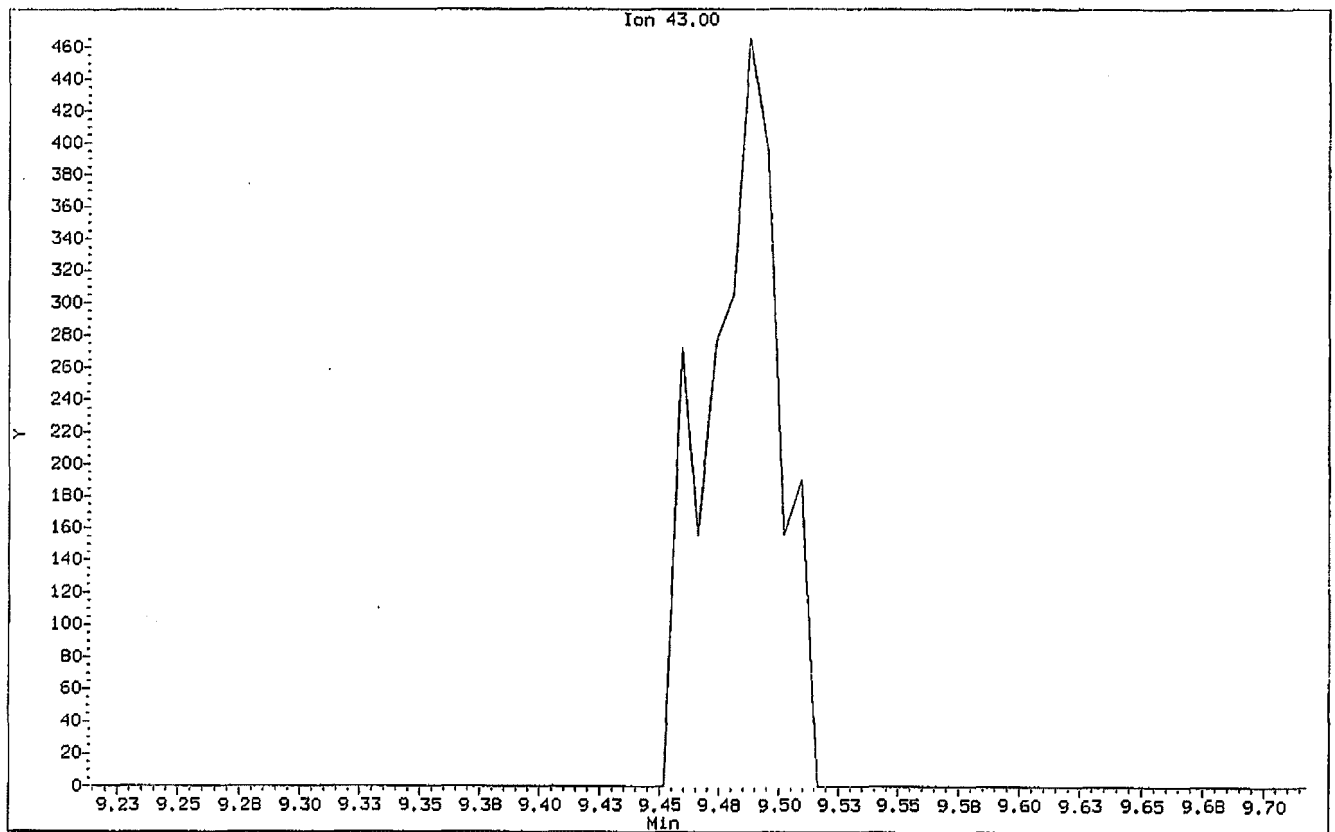
Compound: Acetone
CAS Number: 67-64-1

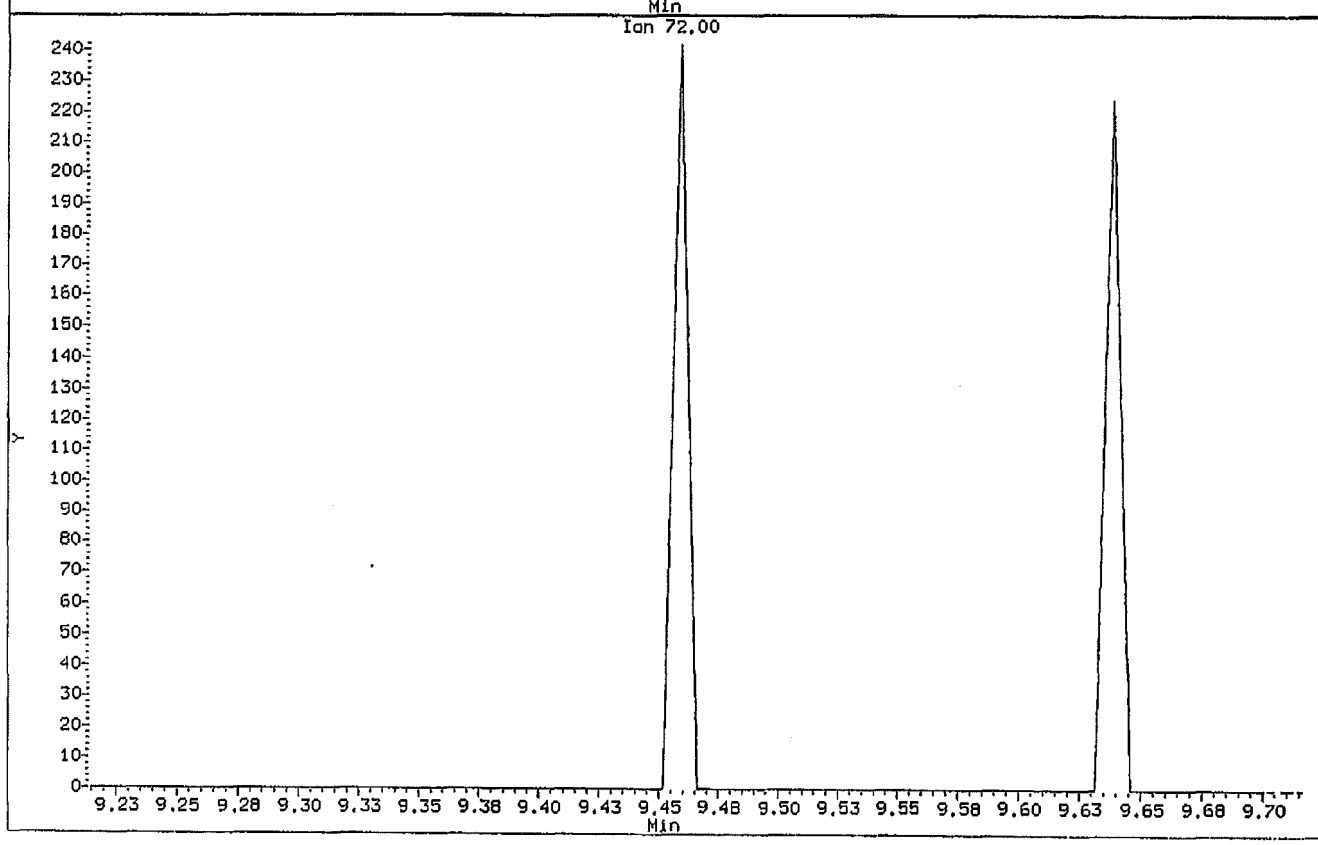




Data File: /chem/hp7.i/H71107.b/S7526.D
Injection Date: 07-NOV-2000 19:01
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3





STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107.b\S7525.D
Lab Smp Id: DM9GR1AA
Inj Date : 07-NOV-2000 18:31
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GR1AA;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 13:30 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.868	10.853	(0.940)	196116	48.9277	48.9277
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73.00	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	11.565	11.557	(1.000)	504225	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.951	13.943	(1.206)	537175	46.1816	46.1816
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

BOE-C6-0175154

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
52 1-Chlorohexane	91	16.207	16.149	(1.000)	830	0.20441	0.204412
* 50 Chlorobenzene-d5	117	16.214	16.207	(1.000)	417237	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.018	18.011	(1.111)	187493	41.0156	41.0156
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.807	(1.000)	202619	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107.b\S7525.D
Lab Smp Id: DM9GR1AA
Inj Date : 07-NOV-2000 18:31
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GR1AA;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 13:30 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7525.D
Lab Smp Id: DM9GR1AA
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 0951

Level: LOW
Sample Type: SOIL

SDR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	636569	318285	1273138	504225	-20.79
50 Chlorobenzene-d5	549818	274909	1099636	417237	-24.11
72 1,4 Dichlorobenze	301876	150938	603752	202619	-32.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.56	0.07
50 Chlorobenzene-d5	16.21	15.71	16.71	16.21	0.05
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	0.04

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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9GR1AA
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	48.9277	97.86	75-125
$ 41 Toluene-d8	50.0000	46.1816	92.36	75-125
$ 60 4-Bromofluorobenze	50.0000	41.0156	82.03	80-120

STL Sacramento

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9GR1AA
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

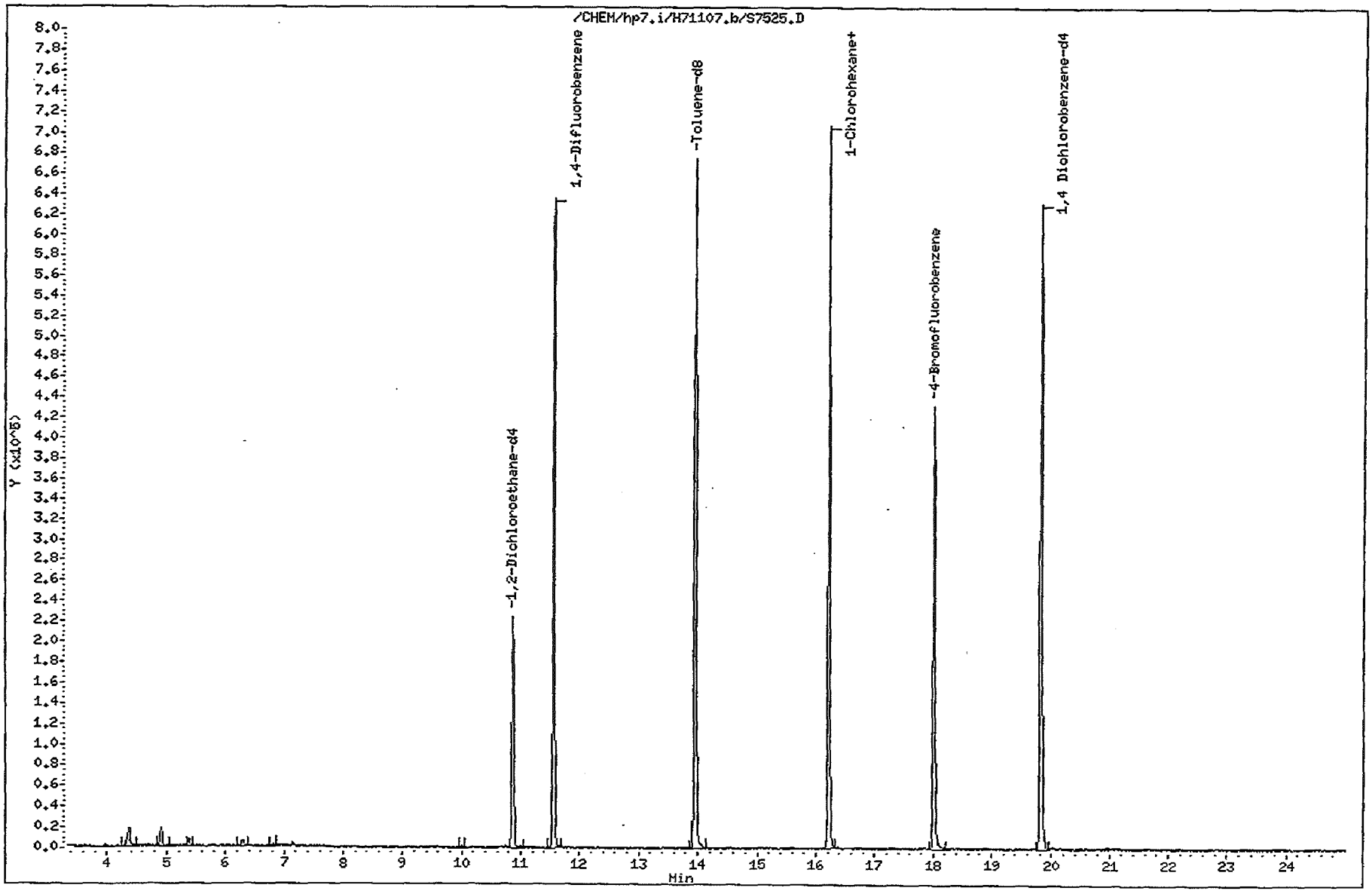
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107.b/S7525.D
Date : 07-NOV-2000 18:31
Client ID:
Sample Info: DM9GR1AA;Barmbys;0;;;;2

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



BOE-C6-0175160

001622

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107.b\S7527.D
Lab Smp Id: DM9GX1C5
Inj Date : 07-NOV-2000 19:32
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GX1C5;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 23:46 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

"NO REPORTABLE TIC'S PRESENT"

SAP 11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.307	6.290	(0.546)	10969	12.3766	12.3766(M)
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84	7.147	7.145	(0.618)	1529	0.45325	0.453246(M)
7 t-Butanol	59.00	Compound Not Detected.					

SAP 11/8/00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43	9.476	9.466	(0.820)	1685	1.53477	1.53477(M) 5DB 11/9/00
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.863	10.853	(0.940)	203538	53.5122	53.5122
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.567	11.134	(1.001)	~~7296~~	~~1.19014~~	~~1.19014~~ ND
* 32 1,4-Difluorobenzene	114	11.560	11.558	(1.000)	478475	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.946	13.943	(1.206)	516790	46.8201	46.8201
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					
52 1-Chlorohexane	91	16.209	16.149	(1.000)	~~949~~	~~0.24403~~	~~0.244034~~ ND

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
* 50 Chlorobenzene-d5	117	16.217	16.215	(1.000)	399601	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.013	18.011	(1.111)	186974	42.7072	42.7072
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.808	(1.000)	196350	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

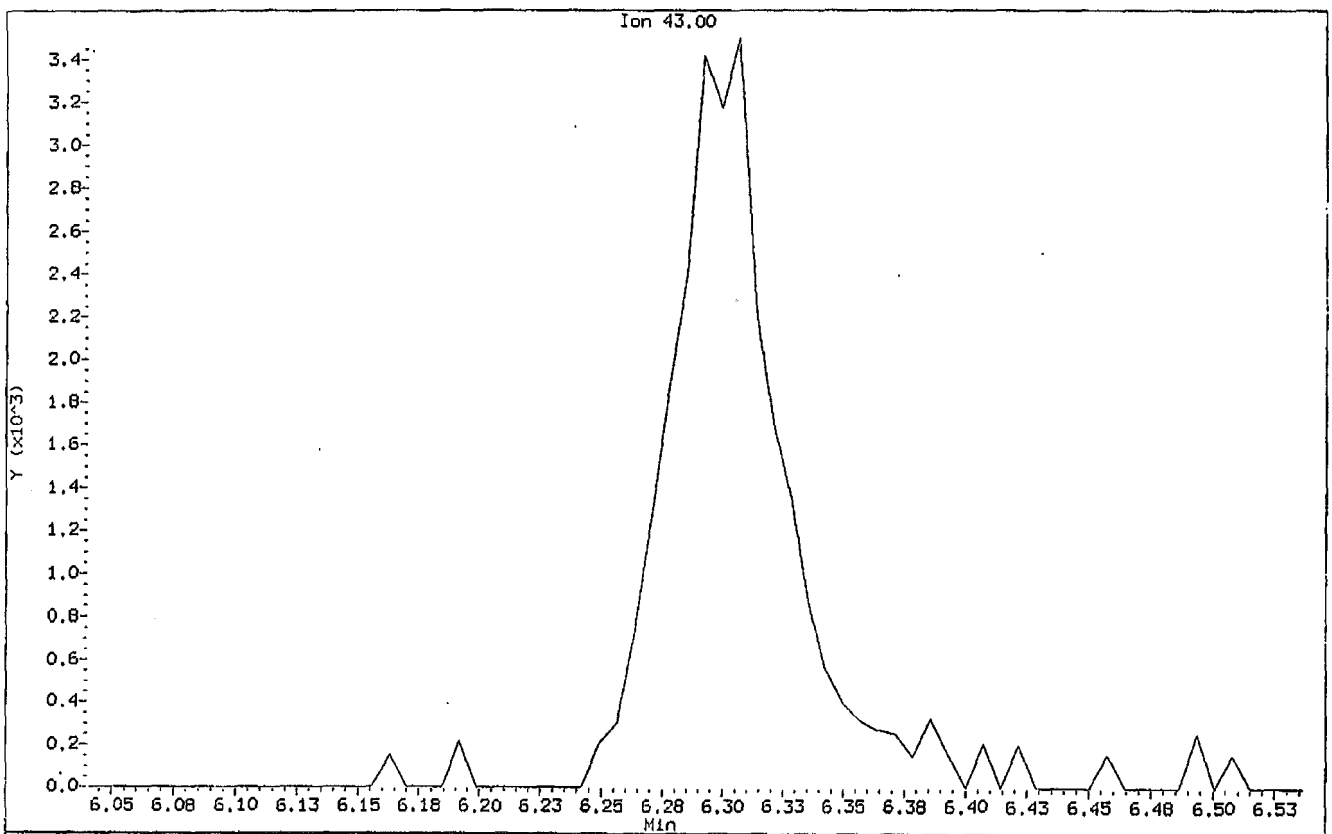
QC Flag Legend

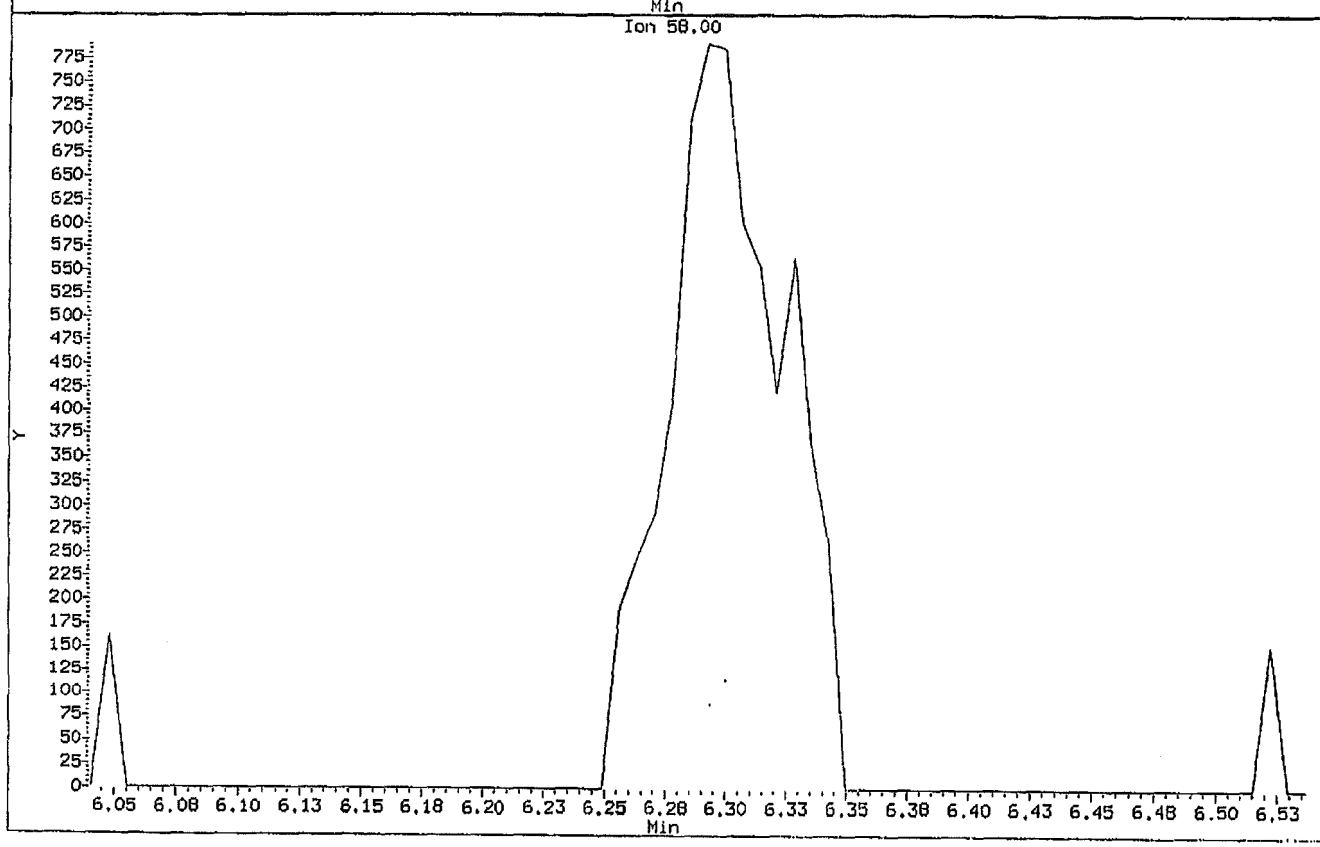
M - Compound response manually integrated.

(1) - peak not found
(2) - poor chromatography

Data File: /chem/hp7.i/H71107.b/S7527.D
Injection Date: 07-NOV-2000 19:32
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1

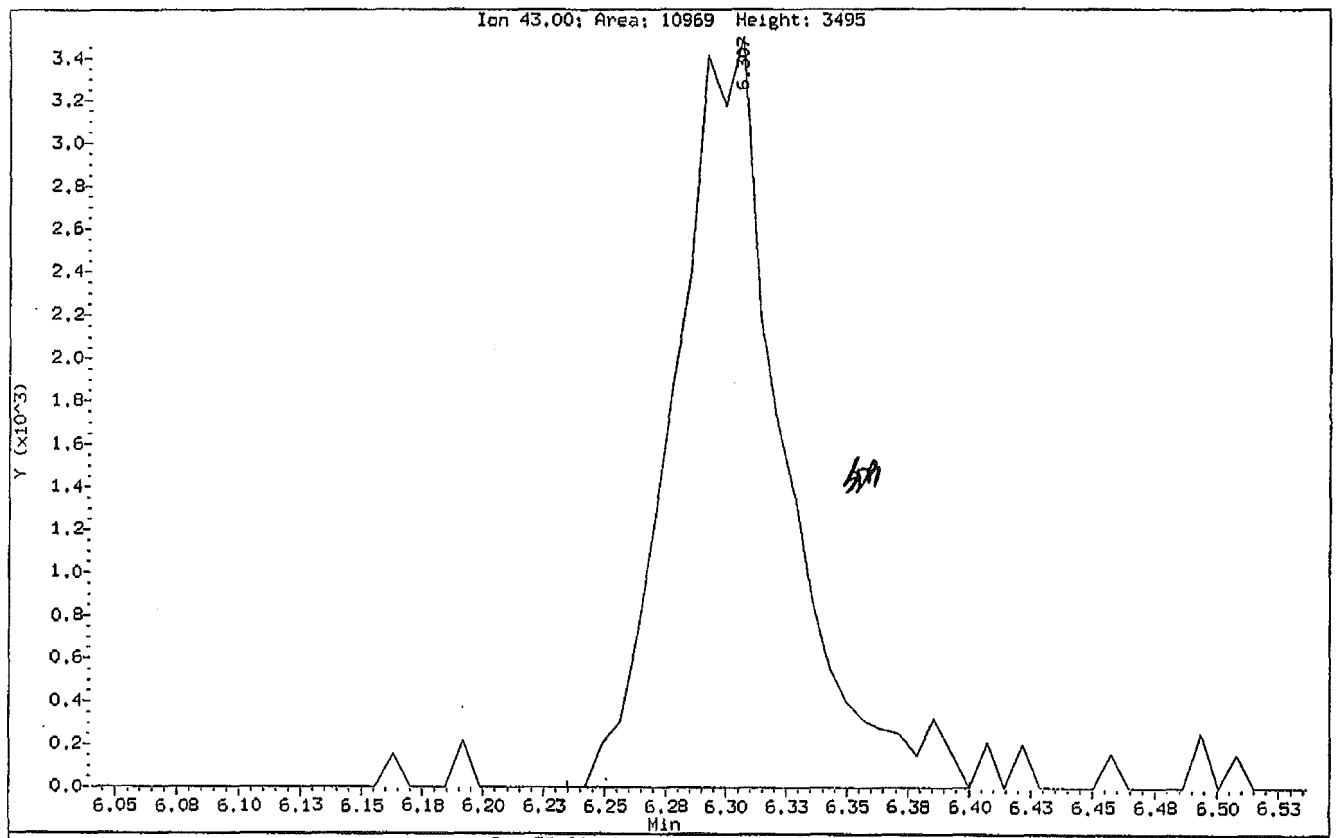


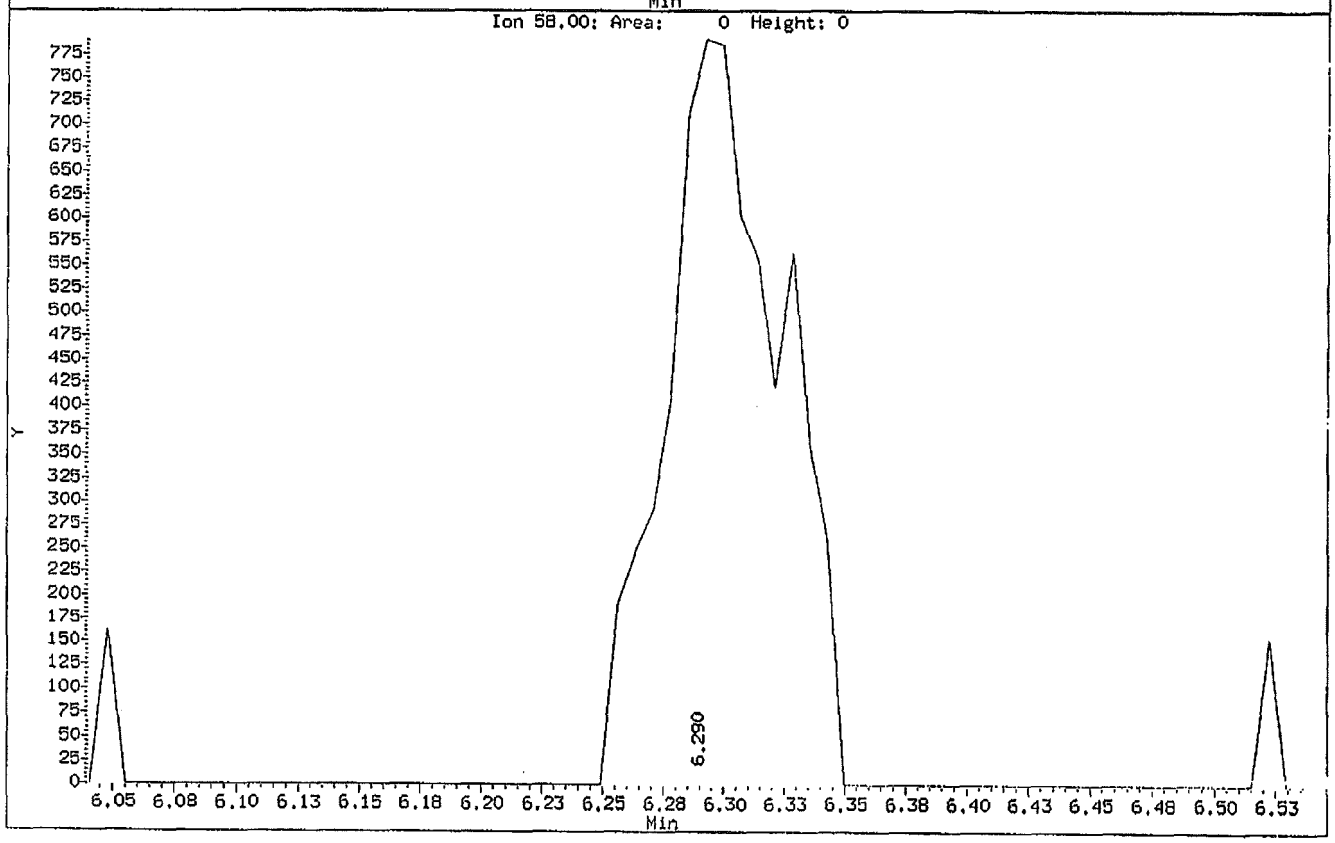


001626

Data File: /chem/hp7.i/H71107.b/S7527.D
Injection Date: 07-NOV-2000 19:32
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1

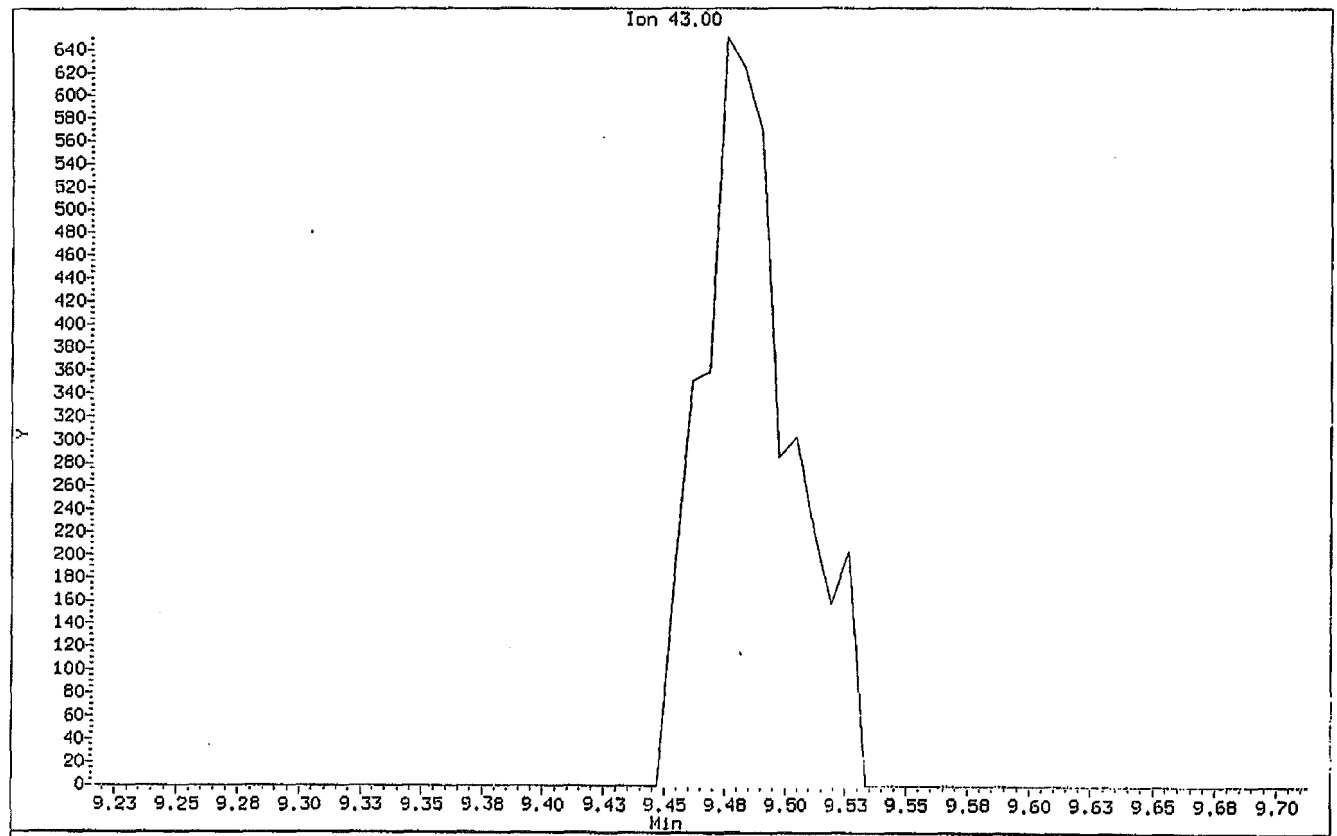


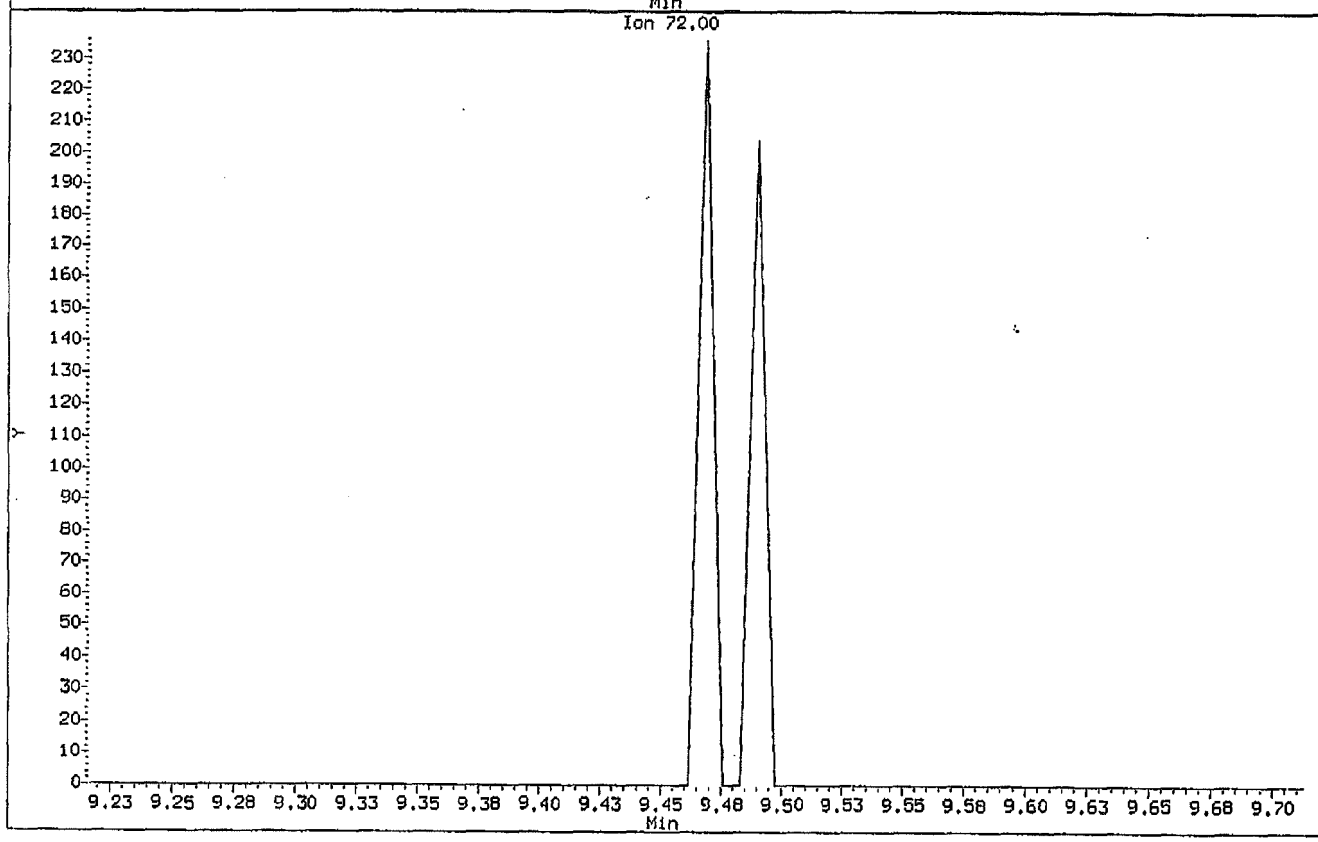


001627

Data File: /chem/hp7.i/H71107.b/57527.D
Injection Date: 07-NOV-2000 19:32
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3

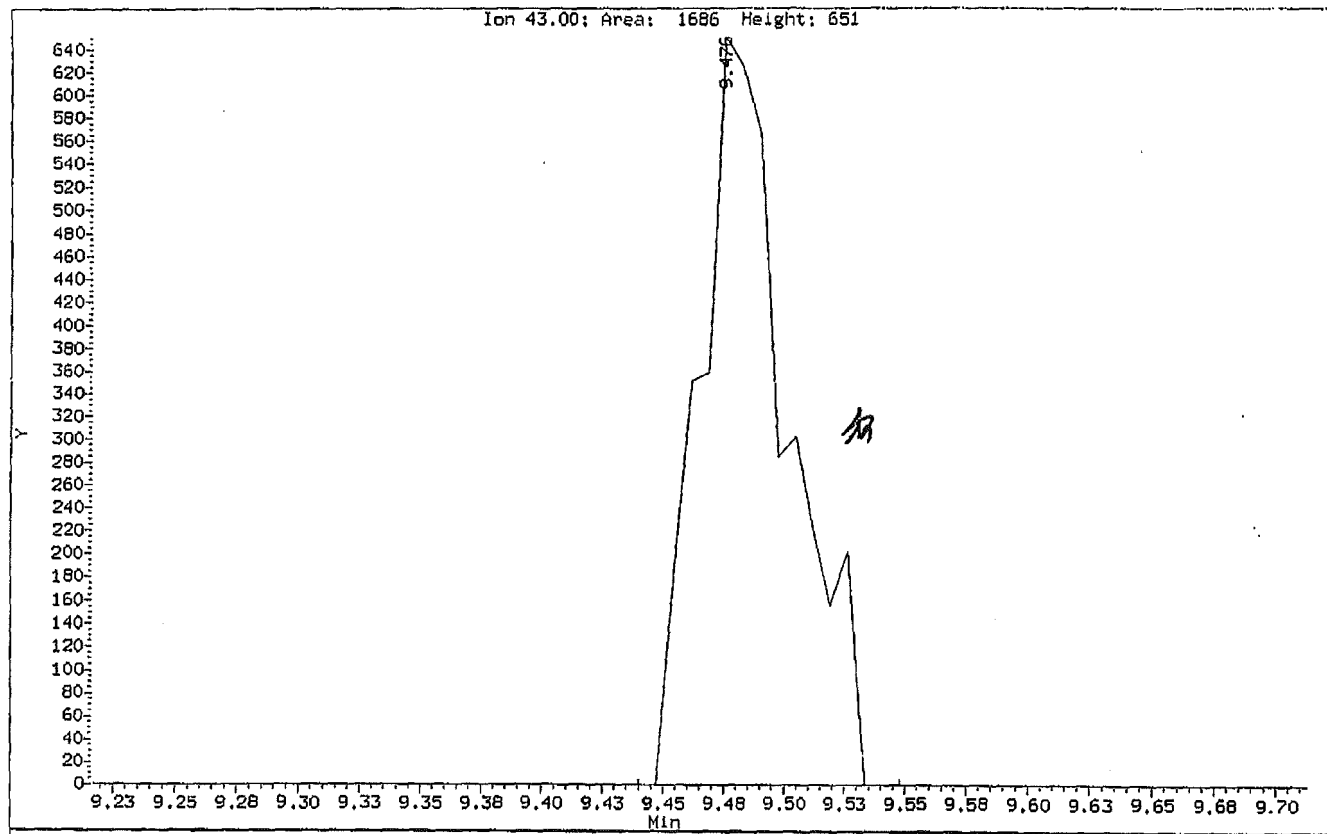


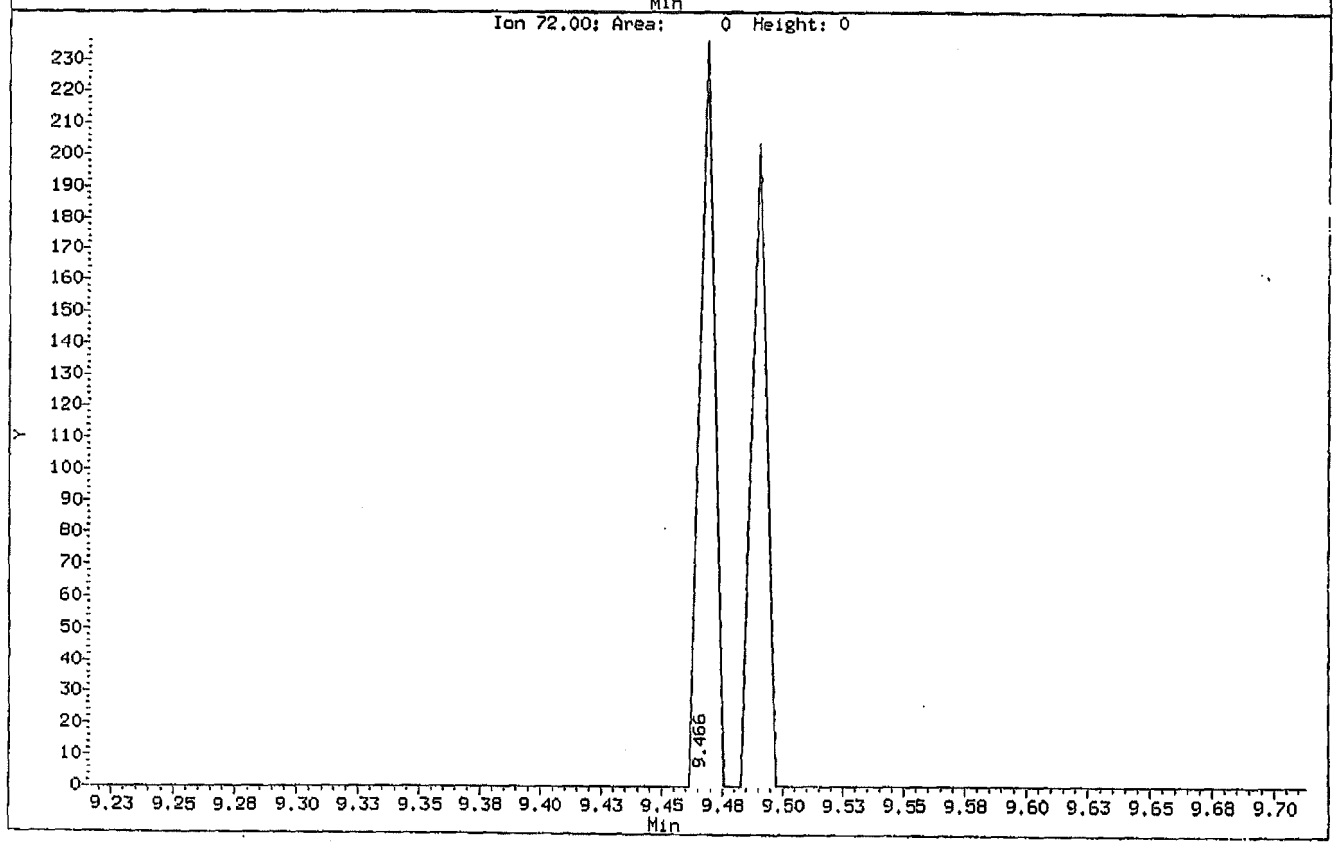


001628

Data File: /chem/hp7.i/H71107.b/S7527.D
Injection Date: 07-NOV-2000 19:32
Instrument: hp7.i
Client Sample ID:

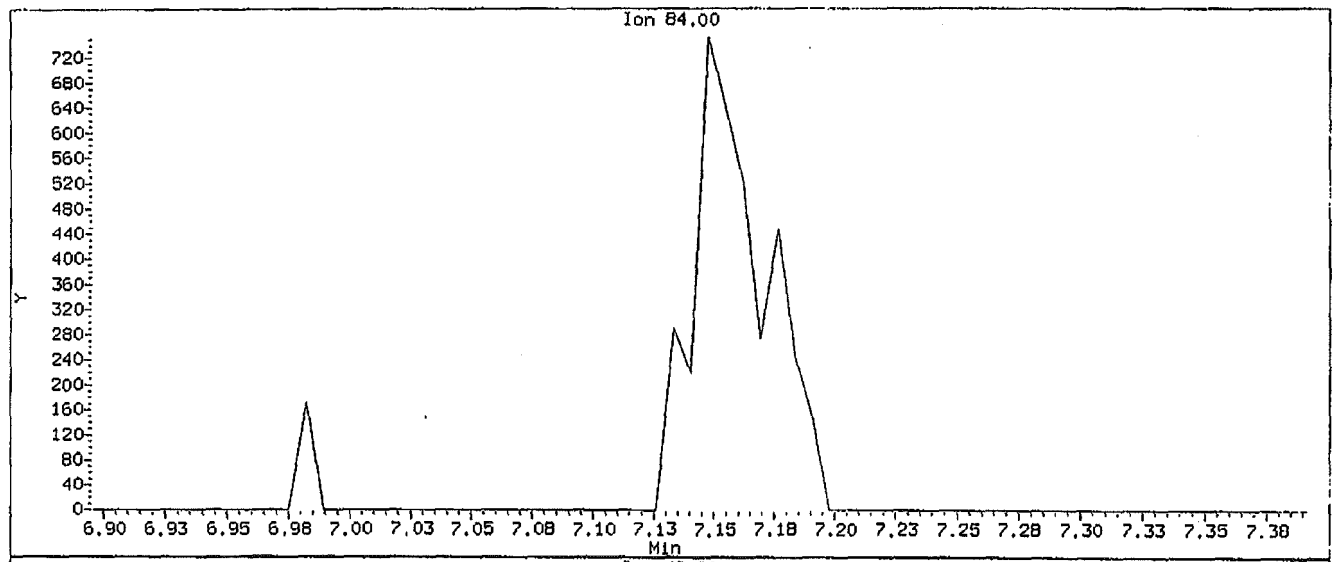
Compound: 2-Butanone
CAS Number: 78-93-3

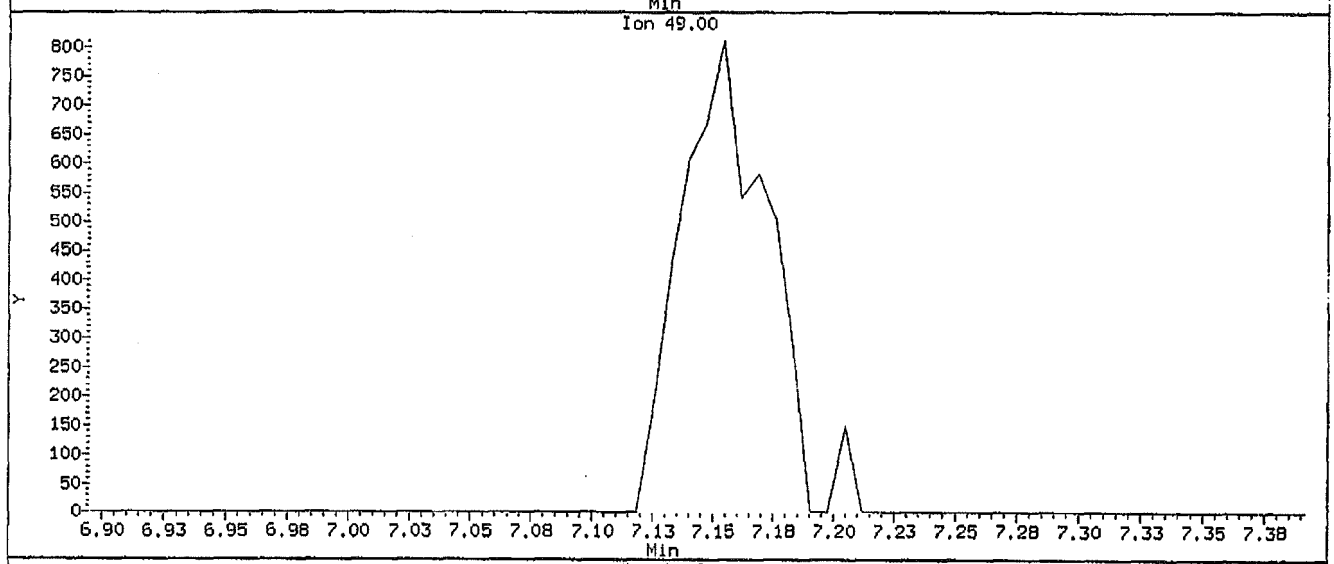


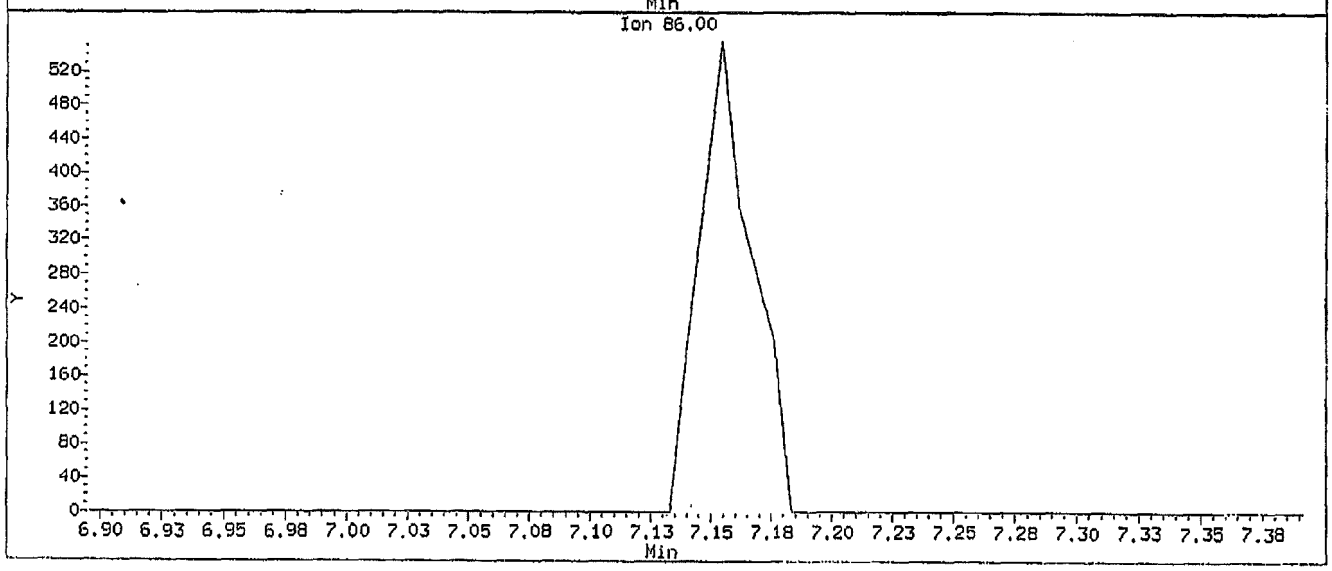


Data File: /chem/hp7.i/H71107.b/S7527.D
Injection Date: 07-NOV-2000 19:32
Instrument: hp7.i
Client Sample ID:

Compound: Methylene Chloride
CAS Number: 75-09-2

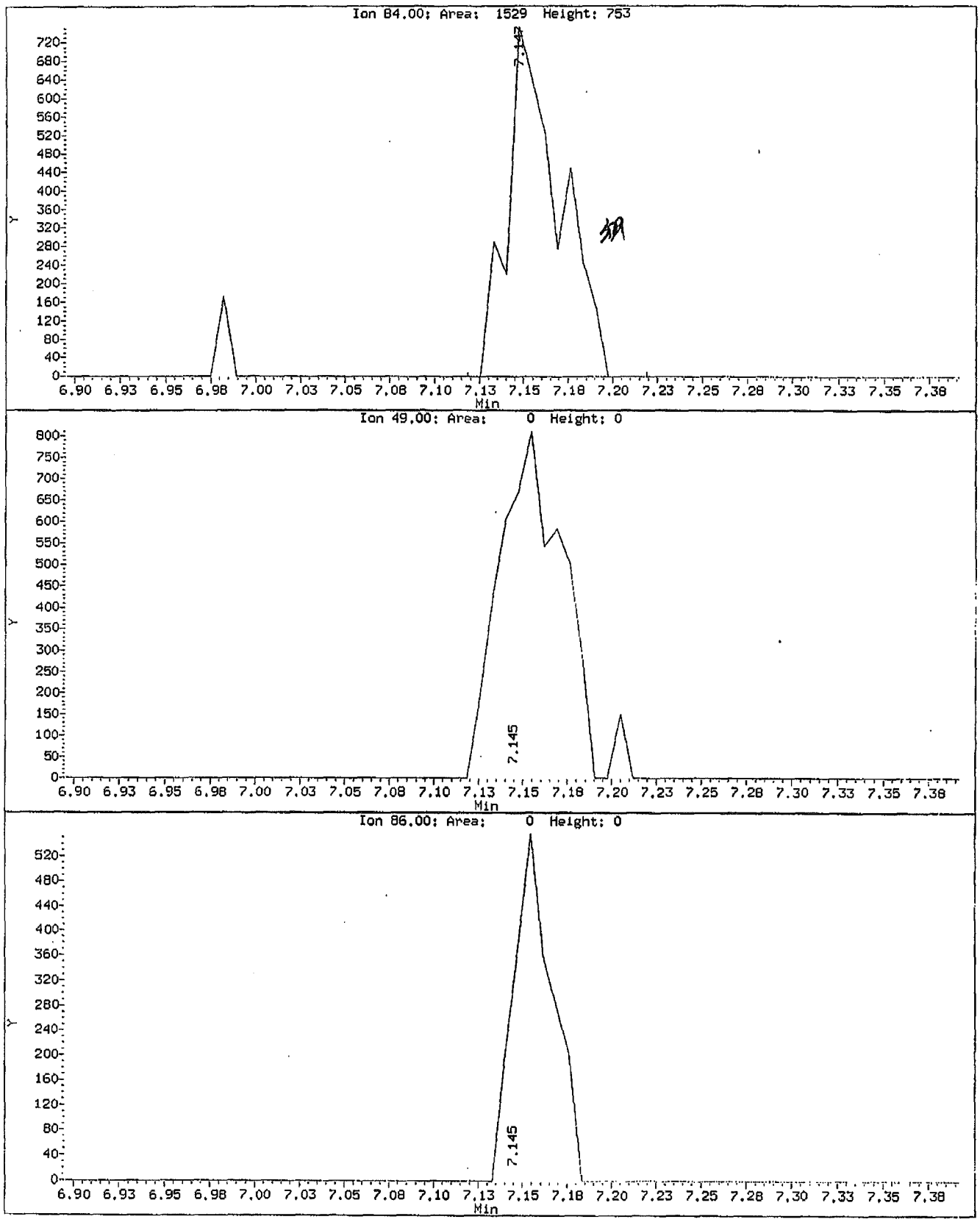






Data File: /chem/hp7.i/H71107.b/S7527.D
Injection Date: 07-NOV-2000 19:32
Instrument: hp7.i
Client Sample ID:

Compound: Methylene Chloride
CAS Number: 75-09-2



STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107.b\S7527.D
Lab Smp Id: DM9GX1C5
Inj Date : 07-NOV-2000 19:32
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GX1C5;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 13:30 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.863	10.853	(0.940)	203538	53.5122	53.5122
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.567	11.134	(1.001)	7296	1.19014	1.19014
* 32 1,4-Difluorobenzene	114	11.560	11.557	(1.000)	478475	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.946	13.943	(1.206)	516790	46.8201	46.8201
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(Xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	52 1-Chlorohexane	91	16.209	16.149	(1.000)	949	0.24403	0.244034
*	50 Chlorobenzene-d5	117	16.217	16.207	(1.000)	399601	50.0000	
	51 Chlorobenzene (**)	112.00	Compound Not Detected.					
	53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
	54 Ethylbenzene (*)	106.00	Compound Not Detected.					
	55 Xylenes (m,p)	106.00	Compound Not Detected.					
M	132 Xylenes (Total)	106.00	Compound Not Detected.					
	56 Xylene (o)	106.00	Compound Not Detected.					
	57 Styrene	104.00	Compound Not Detected.					
	58 Bromoform (**)	173.00	Compound Not Detected.					
	59 Isopropylbenzene	105.00	Compound Not Detected.					
$	60 4-Bromofluorobenzene	95	18.013	18.011	(1.111)	186974	42.7072	42.7072
	62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
	130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
	63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
	61 Bromobenzene	156.00	Compound Not Detected.					
	64 N-Propylbenzene	91.00	Compound Not Detected.					
	65 2-Chlorotoluene	91.00	Compound Not Detected.					
	67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
	66 4-Chlorotoluene	91.00	Compound Not Detected.					
	68 T-Butylbenzene	119.00	Compound Not Detected.					
	69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
	70 Sec-Butylbenzene	105.00	Compound Not Detected.					
	73 P-Isopropyltoluene	119.00	Compound Not Detected.					
	71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
*	72 1,4 Dichlorobenzene-d4	152	19.810	19.807	(1.000)	196350	50.0000	
	74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
	76 N-Butylbenzene	91.00	Compound Not Detected.					
	75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
	77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
	78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
	79 Hexachlorobutadiene	225.00	Compound Not Detected.					
	80 Napthalene	128.00	Compound Not Detected.					
	81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107.b\S7527.D
Lab Smp Id: DM9GX1C5
Inj Date : 07-NOV-2000 19:32
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GX1C5;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 13:30 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7527.D
Lab Smp Id: DM9GX1C5
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 0951

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	636569	318285	1273138	478475	-24.84
50 Chlorobenzene-d5	549818	274909	1099636	399601	-27.32
72 1,4 Dichlorobenze	301876	150938	603752	196350	-34.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.56	0.02
50 Chlorobenzene-d5	16.21	15.71	16.71	16.22	0.06
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	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.

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RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9GX1C5
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	53.5122	107.02	75-125
$ 41 Toluene-d8	50.0000	46.8201	93.64	75-125
$ 60 4-Bromofluorobenze	50.0000	42.7072	85.41	80-120

STL Sacramento

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9GX1C5
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

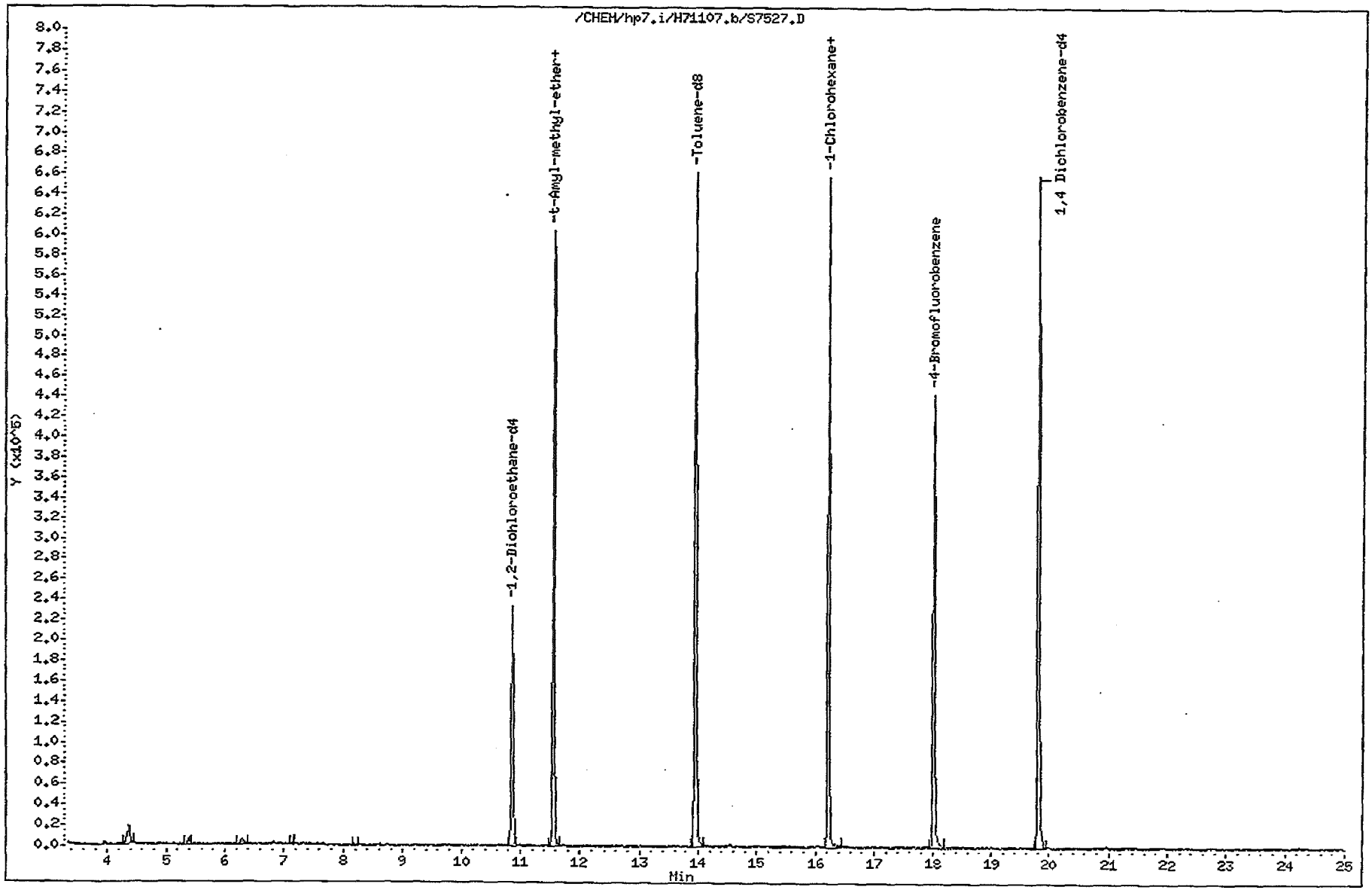
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107.b/S7527.D
Date : 07-NOV-2000 19:32
Client ID:
Sample Info: DM9GX1C5;Barmbys;0;;;;2

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



BOE-C6-0175177

001639

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107.b\S7529.D
Lab Smp Id: DM9G11A1
Inj Date : 07-NOV-2000 20:33
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G11A1;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 23:46 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

"NO REPORTABLE TIC'S PRESENT"

SMA 11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.297	6.290	(0.544)	9391	10.4486	10.4486(M) SMA 11/8/00
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84	7.152	7.145	(0.618)	1879	0.54934	0.549338(M) SMA 11/8/00
7 t-Butanol	59.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43	9.466	9.466	(0.819)	1207	1.08408	1.08408 (M)
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.868	10.853	(0.940)	195873	50.7767	50.7767
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.565	11.134	(1.000)	~~6761~~	~~1.08745~~	~~1.08744~~ ND
* 32 1,4-Difluorobenzene	114	11.565	11.558	(1.000)	485262	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.951	13.943	(1.206)	524308	46.8369	46.8368
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					
52 1-Chlorohexane	91	16.214	16.149	(1.000)	~~828~~	~~0.21544~~	~~0.21543~~ ND

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
* 50 Chlorobenzene-d5	117	16.214	16.215	(1.000)	394930	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.018	18.011	(1.111)	185354	42.8379	42.8379
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.808	(1.000)	190244	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

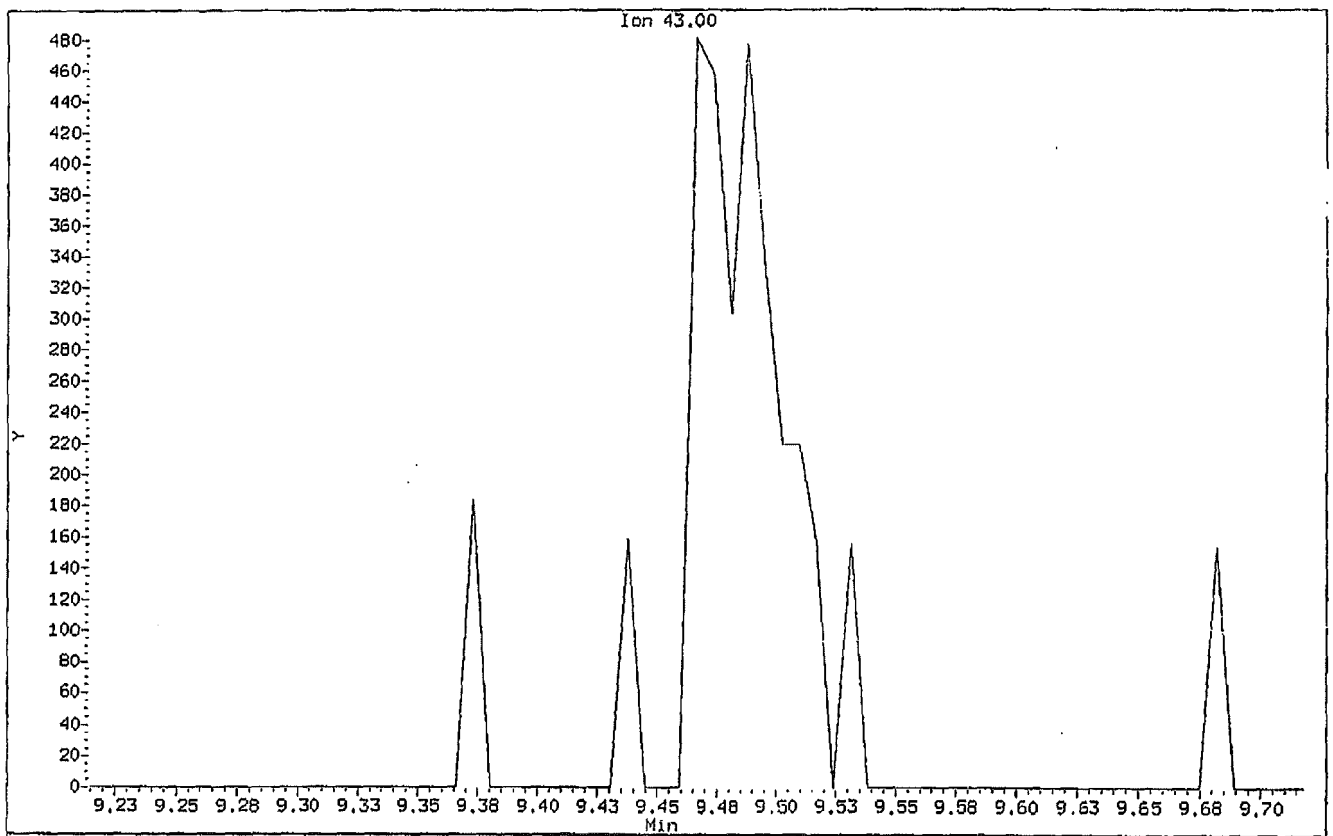
QC Flag Legend

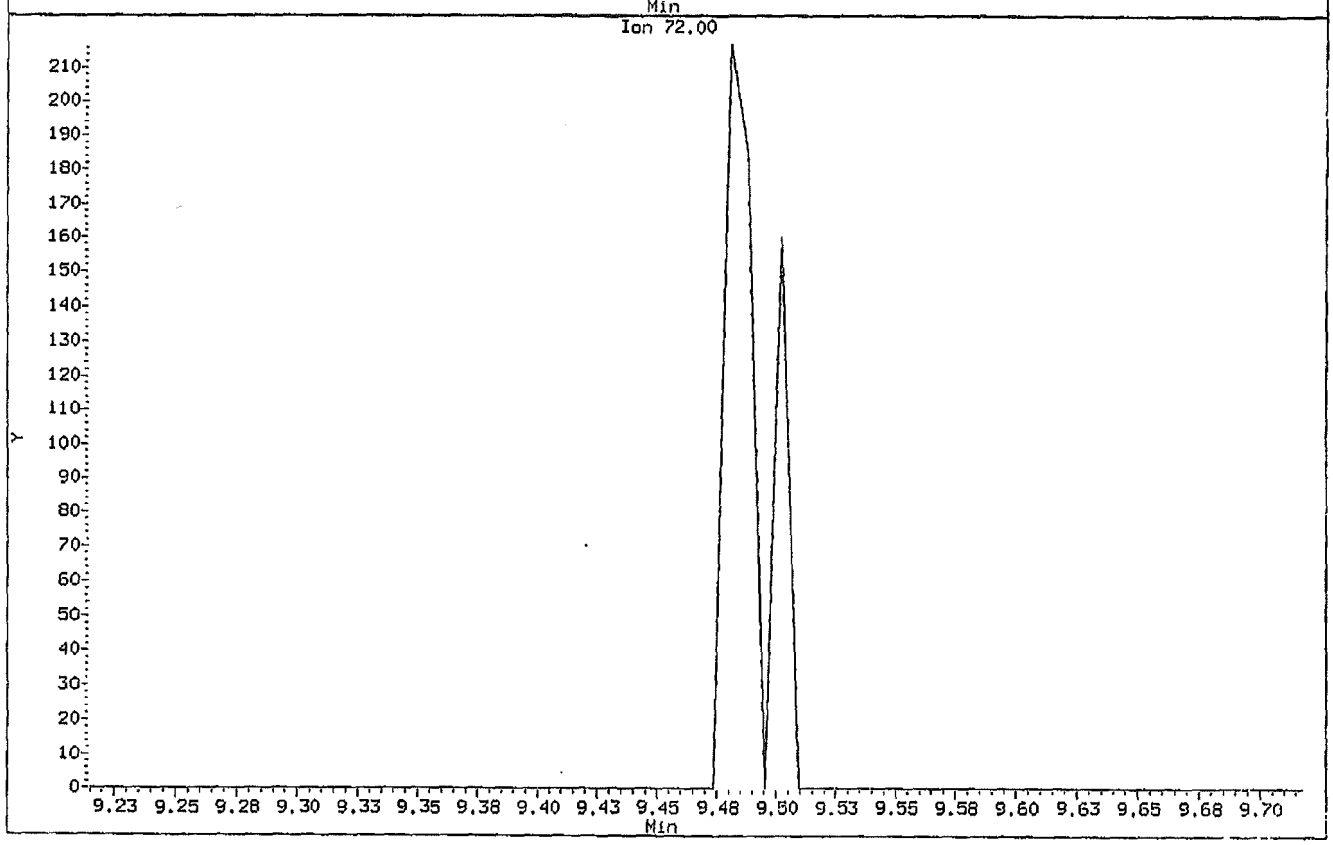
(1)-peak not found

M - Compound response manually integrated.

Data File: /chem/hp7.i/H71107.b/S7529.D
Injection Date: 07-NOV-2000 20:33
Instrument: hp7.i
Client Sample ID:

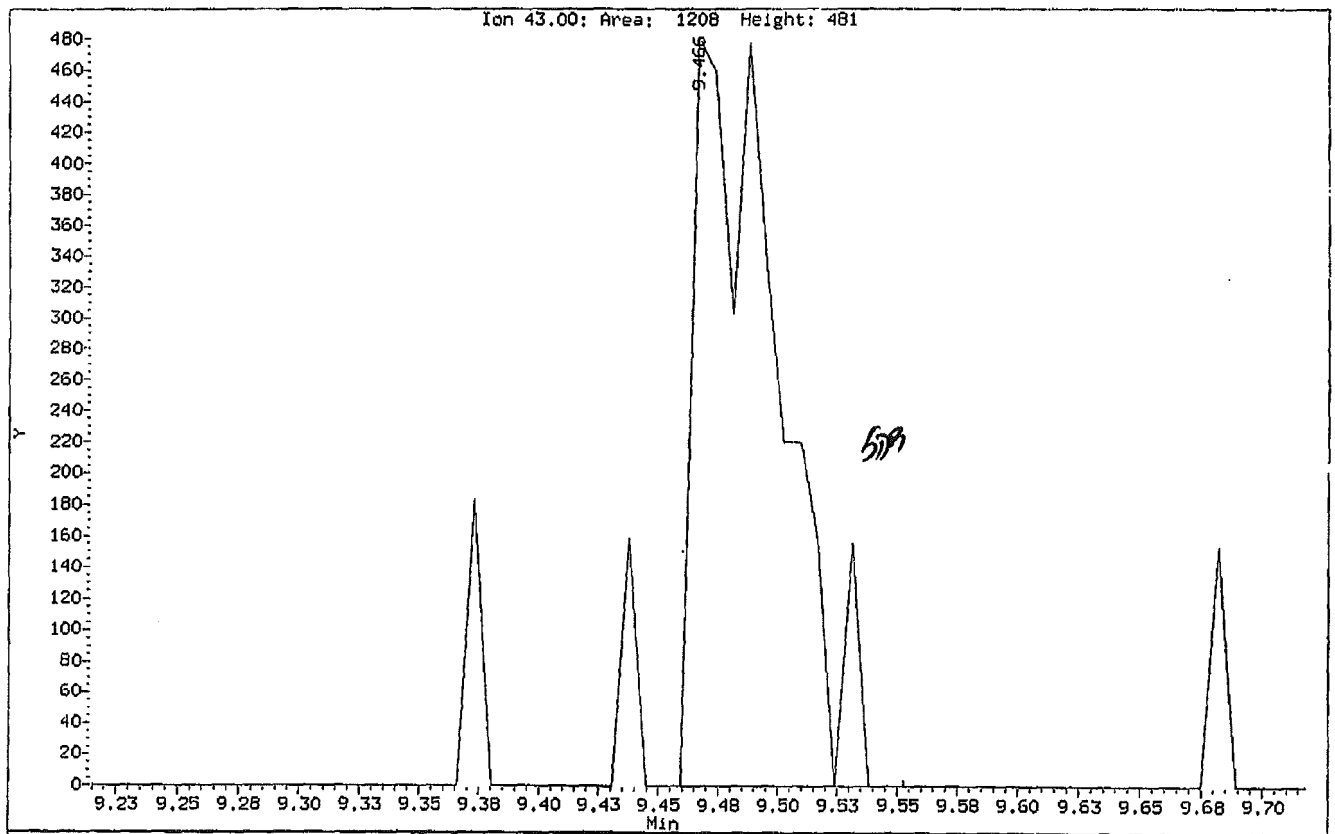
Compound: 2-Butanone
CAS Number: 78-93-3

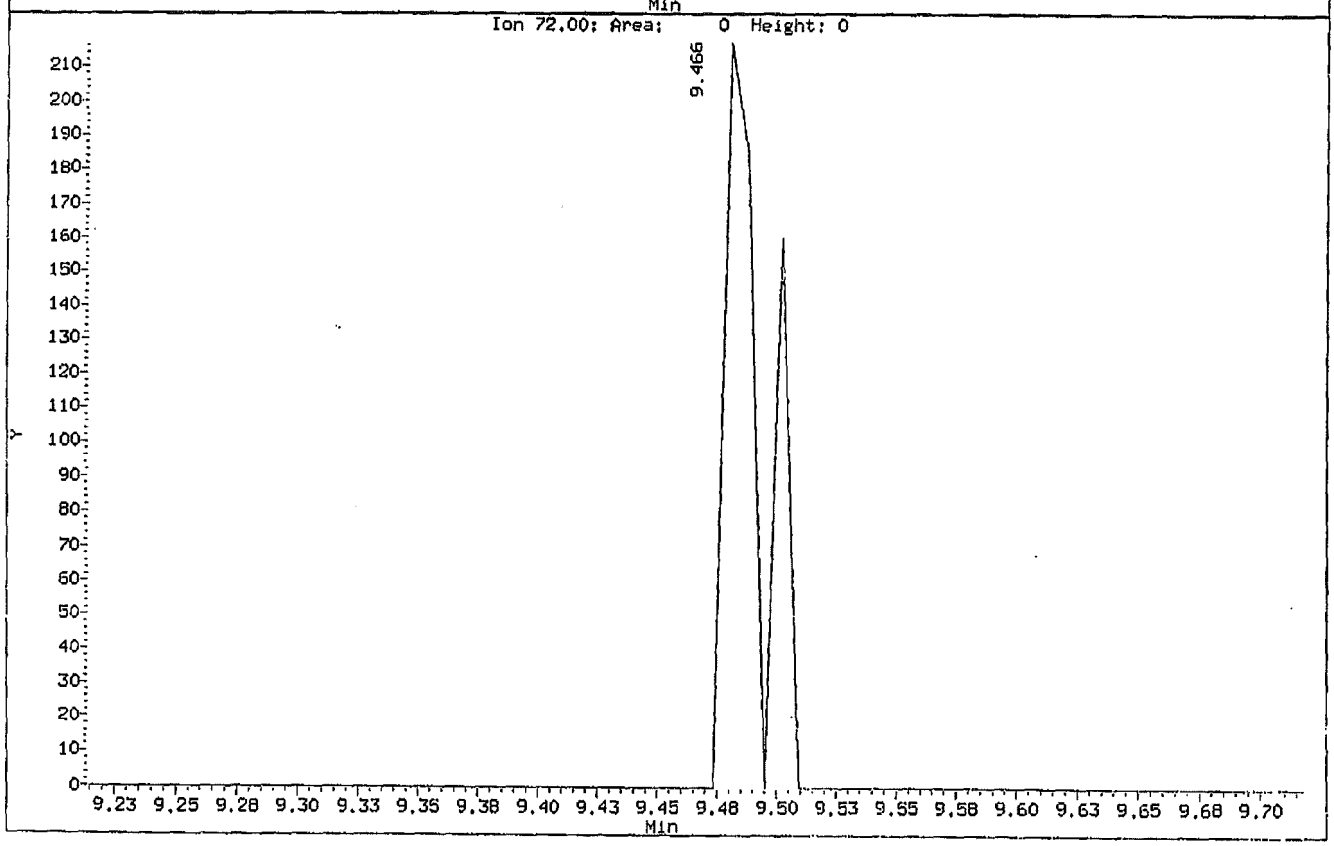




Data File: /chem/hp7.i/H71107.b/S7529.D
Injection Date: 07-NOV-2000 20:33
Instrument: hp7.i
Client Sample ID:

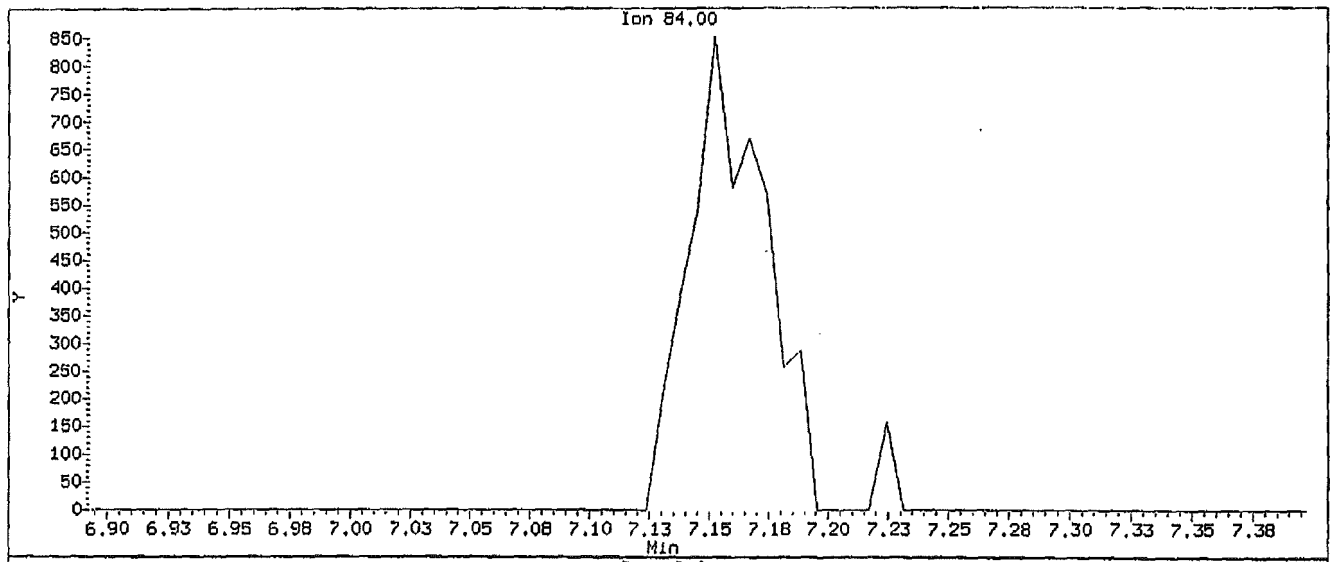
Compound: 2-Butanone
CAS Number: 78-93-3

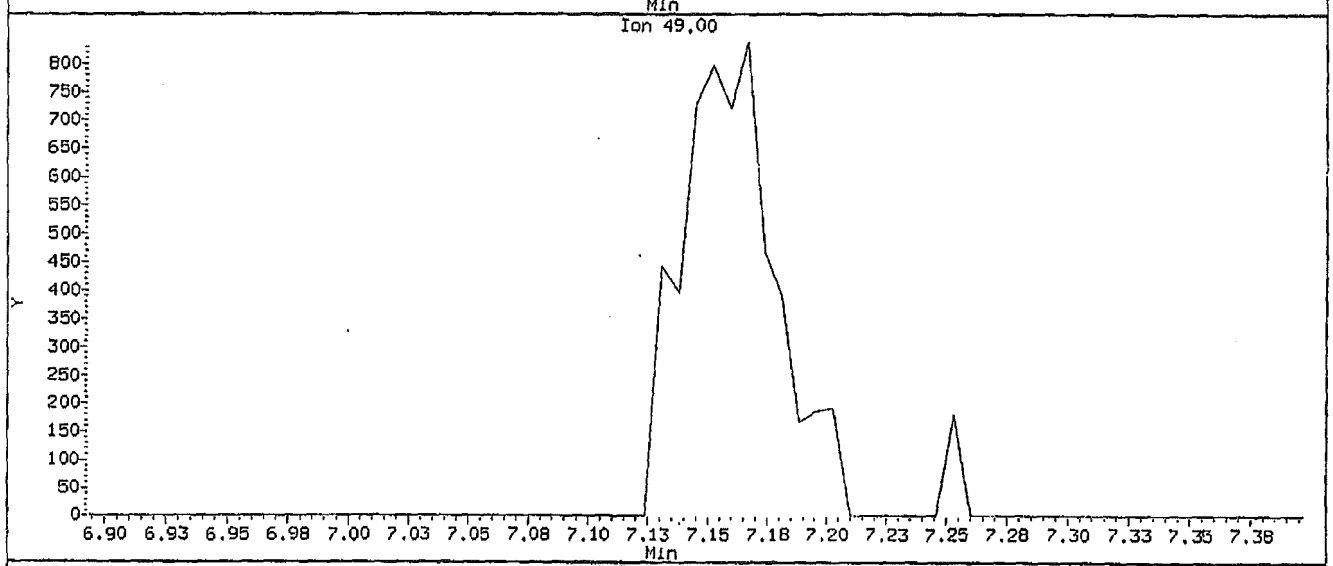


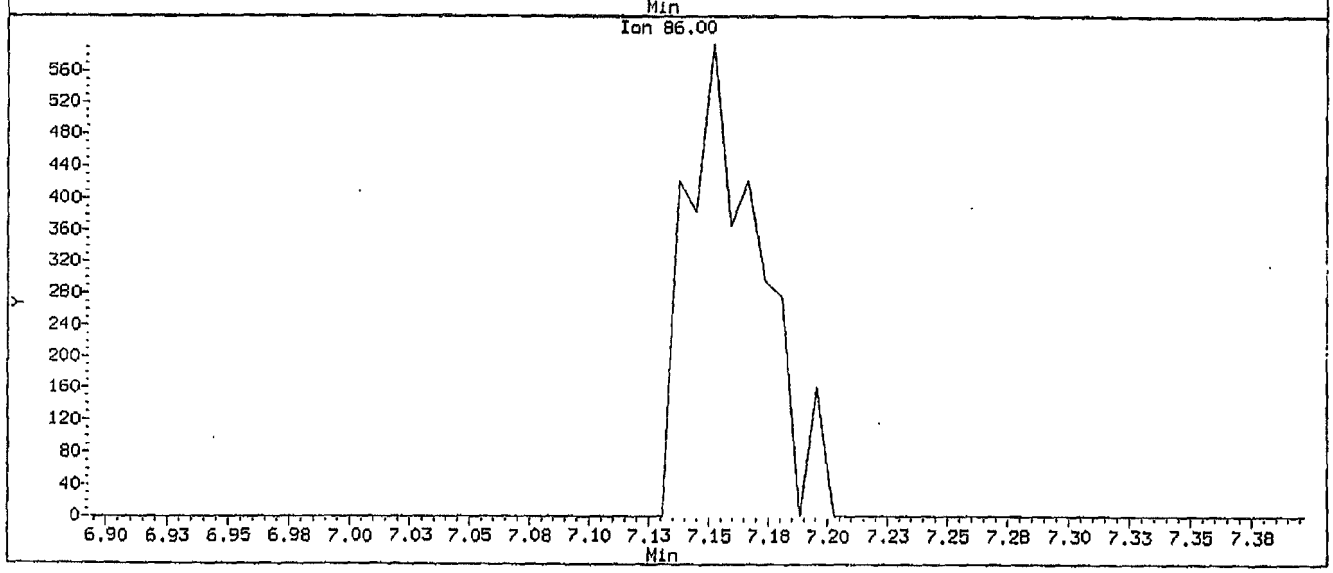


Data File: /chem/hp7.i/H71107.b/S7529.D
Injection Date: 07-NOV-2000 20:33
Instrument: hp7.i
Client Sample ID:

Compound: Methylene Chloride
CAS Number: 75-09-2

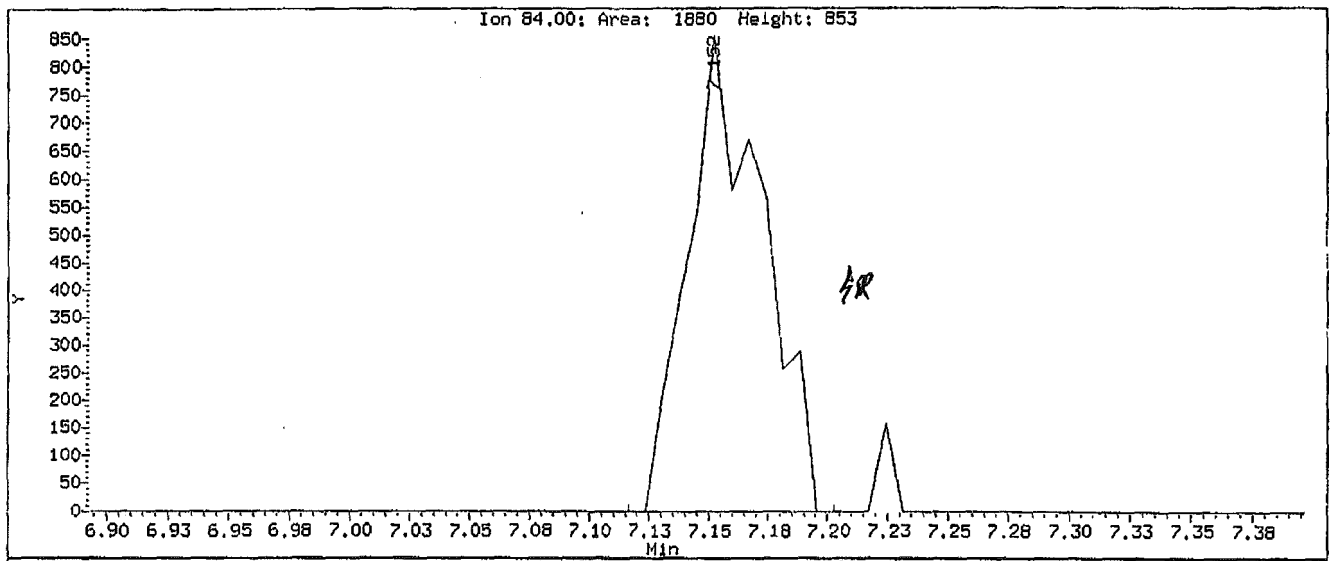


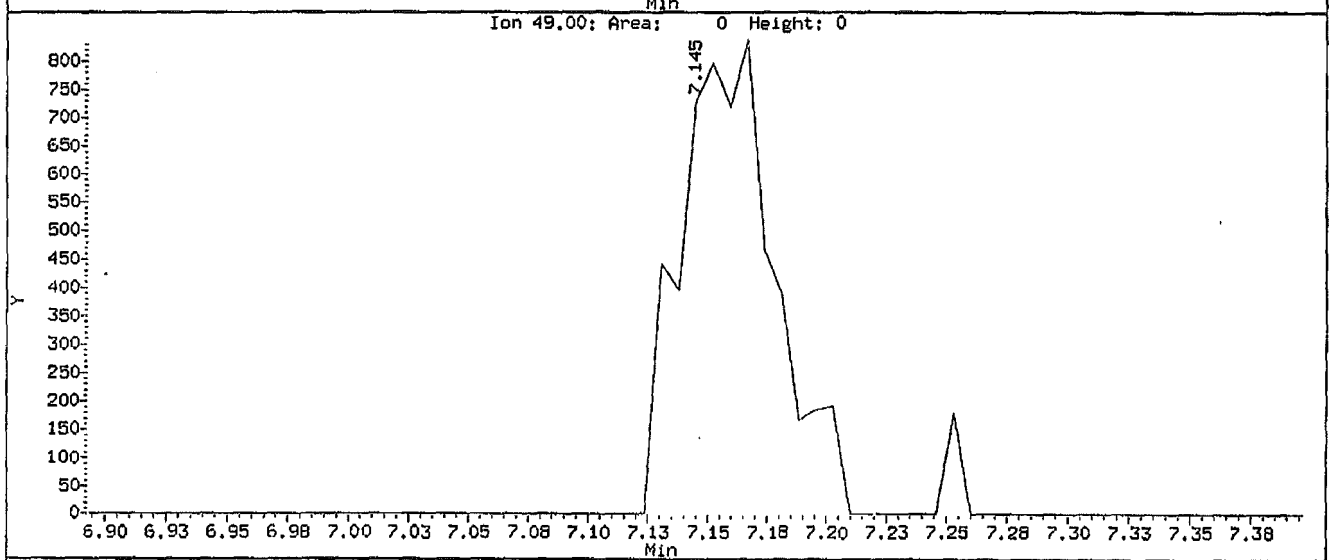


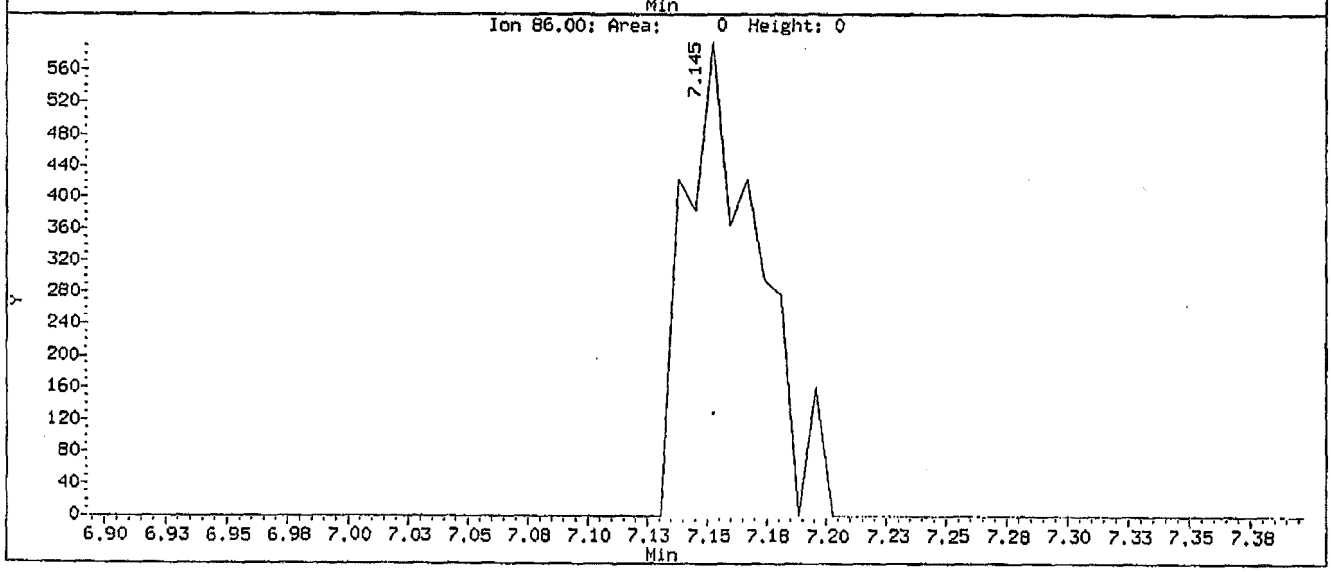


Data File: /chem/hp7.i/H71107.b/S7529.D
Injection Date: 07-NOV-2000 20:33
Instrument: hp7.i
Client Sample ID:

Compound: Methylene Chloride
CAS Number: 75-09-2

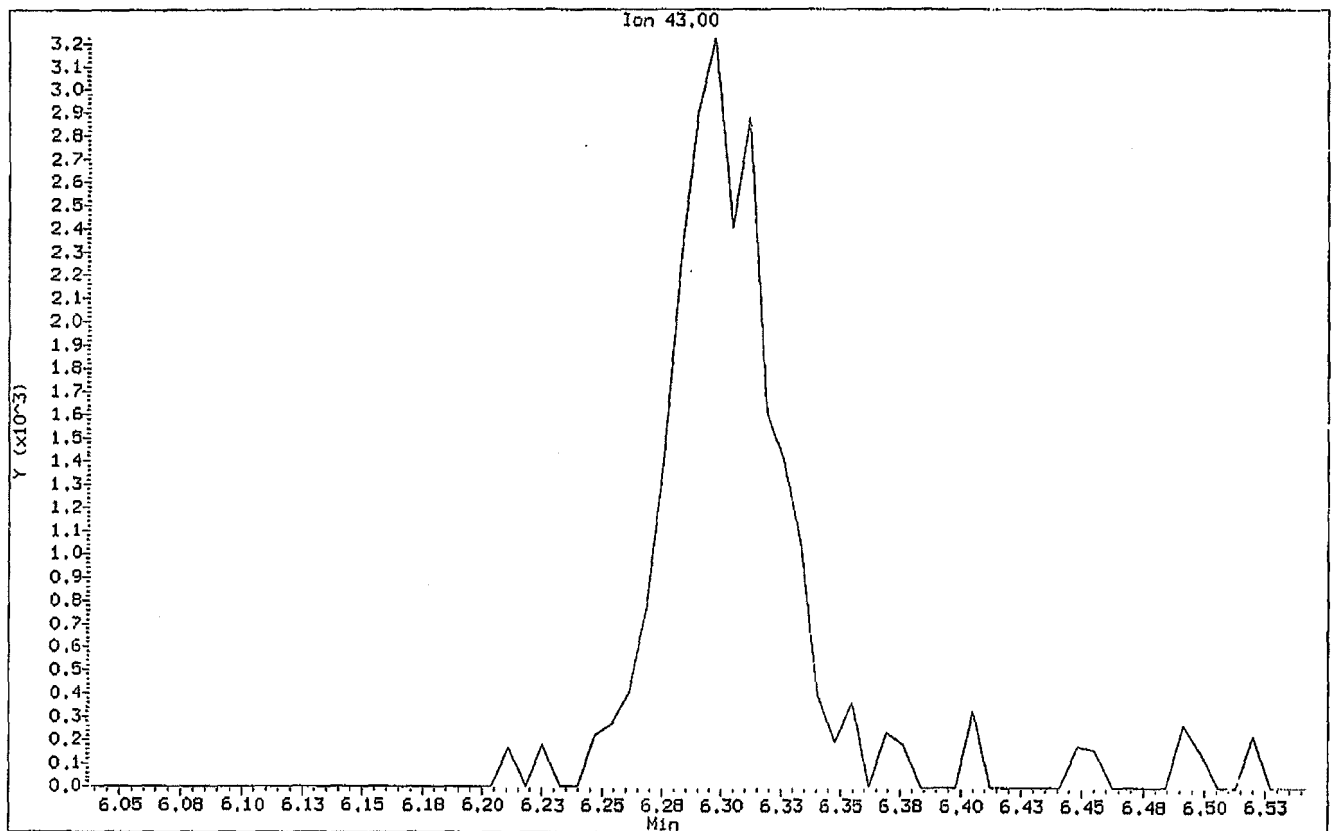


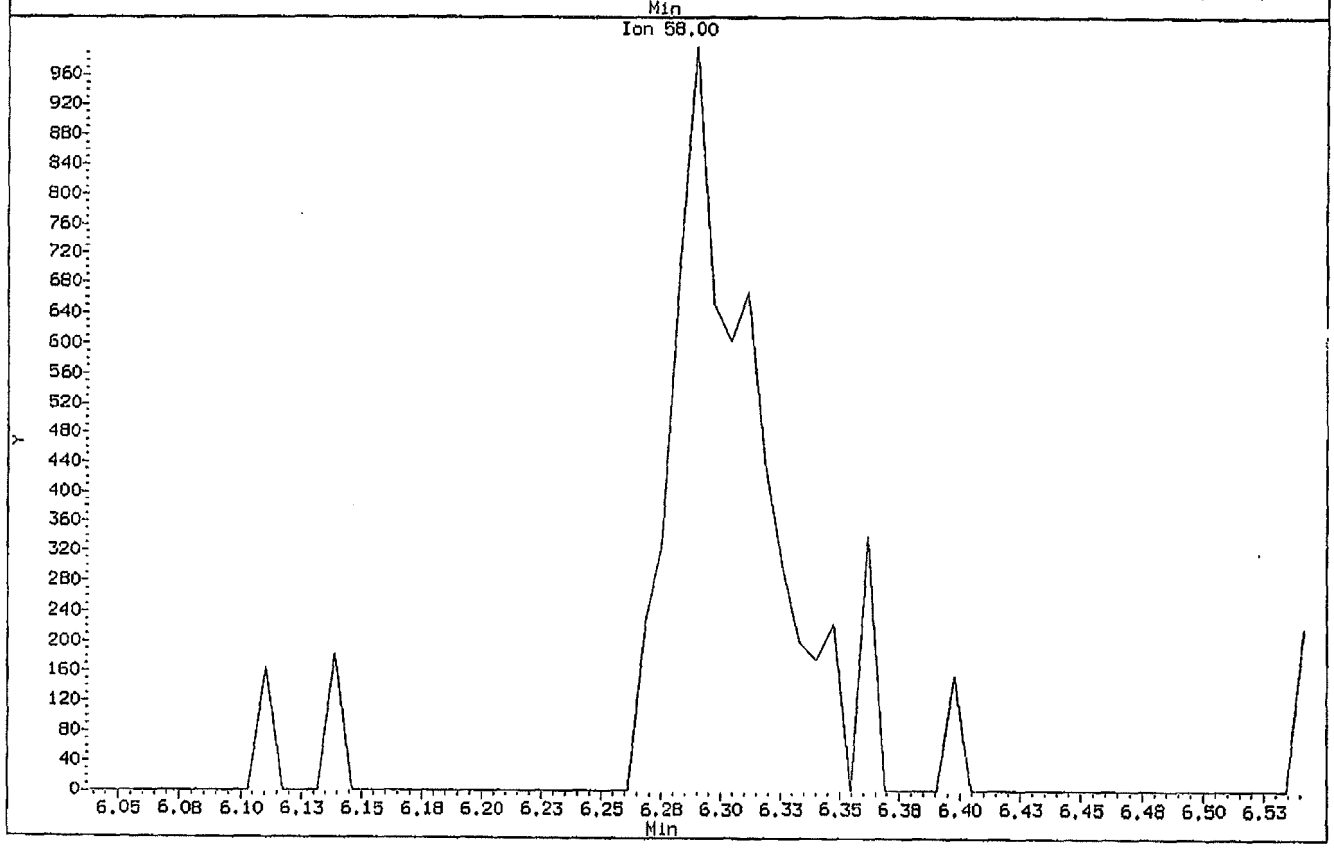




Data File: /chem/hp7.i/H71107.b/S7529.D
Injection Date: 07-NOV-2000 20:33
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1

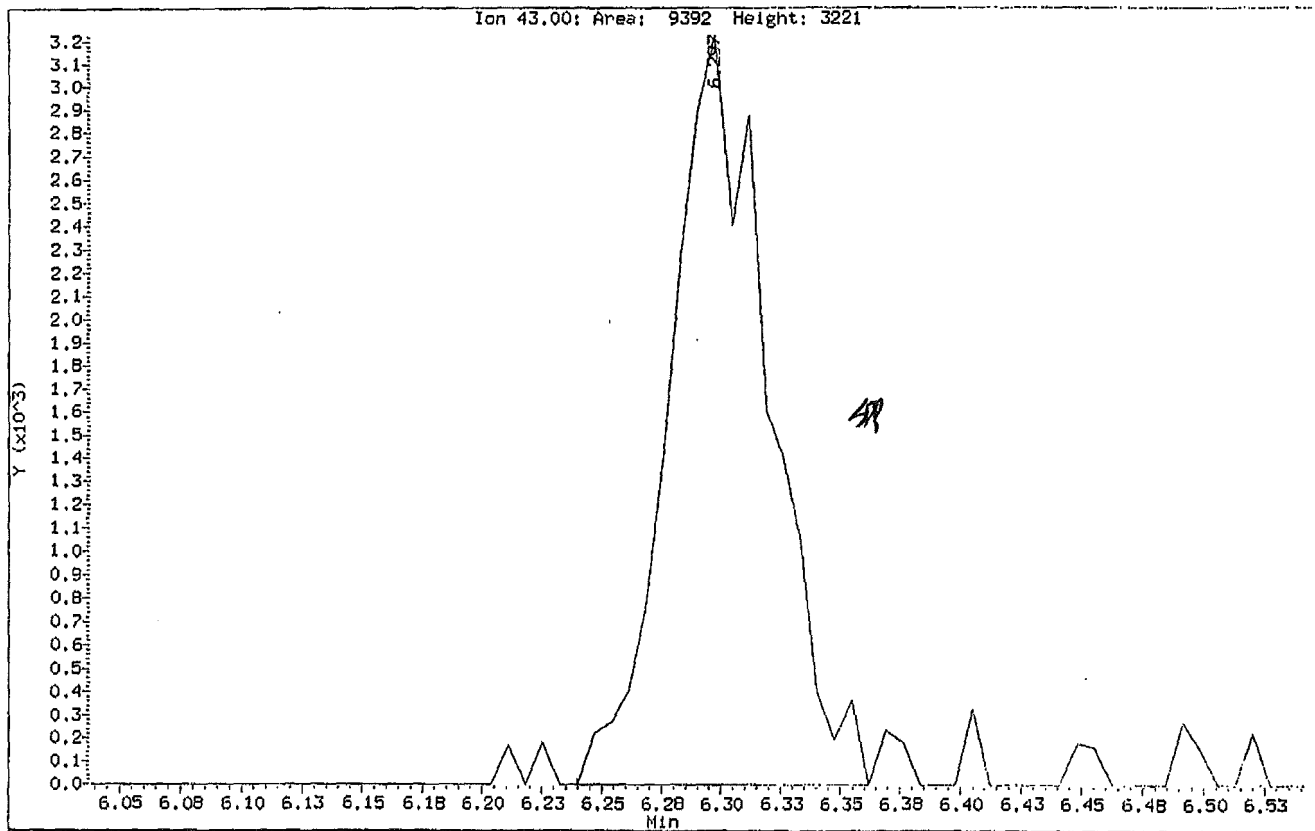


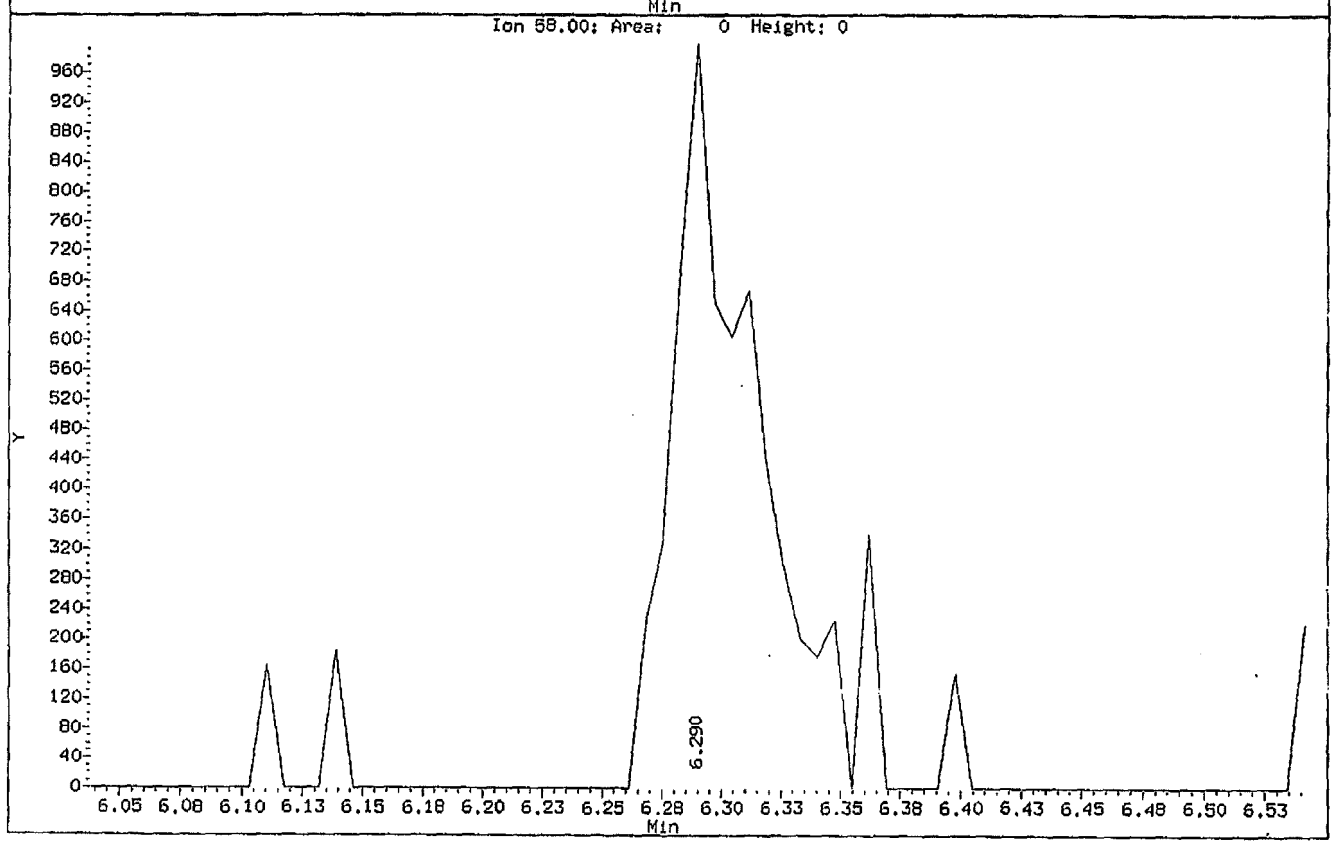


001647

Data File: /chem/hp7.i/H71107.b/S7529.D
Injection Date: 07-NOV-2000 20:33
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1





STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107.b\S7529.D
Lab Smp Id: DM9G11A1
Inj Date : 07-NOV-2000 20:33
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G11A1;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 13:30 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.868	10.853	(0.940)	195873	50.7767	50.7767
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.565	11.134	(1.000)	6761	1.08745	1.08744
* 32 1,4-Difluorobenzene	114	11.565	11.557	(1.000)	485262	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (Xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.951	13.943	(1.206)	524308	46.8369	46.8368
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	52 1-Chlorohexane	91	16.214	16.149	(1.000)	828	0.21544	0.215438
*	50 Chlorobenzene-d5	117	16.214	16.207	(1.000)	394930	50.0000	
	51 Chlorobenzene (**)	112.00	Compound Not Detected.					
	53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
	54 Ethylbenzene (*)	106.00	Compound Not Detected.					
	55 Xylenes (m,p)	106.00	Compound Not Detected.					
M	132 Xylenes (Total)	106.00	Compound Not Detected.					
	56 Xylene (o)	106.00	Compound Not Detected.					
	57 Styrene	104.00	Compound Not Detected.					
	58 Bromoform (**)	173.00	Compound Not Detected.					
	59 Isopropylbenzene	105.00	Compound Not Detected.					
$	60 4-Bromofluorobenzene	95	18.018	18.011	(1.111)	185354	42.8379	42.8379
	62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
	130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
	63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
	61 Bromobenzene	156.00	Compound Not Detected.					
	64 N-Propylbenzene	91.00	Compound Not Detected.					
	65 2-Chlorotoluene	91.00	Compound Not Detected.					
	67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
	66 4-Chlorotoluene	91.00	Compound Not Detected.					
	68 T-Butylbenzene	119.00	Compound Not Detected.					
	69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
	70 Sec-Butylbenzene	105.00	Compound Not Detected.					
	73 P-Isopropyltoluene	119.00	Compound Not Detected.					
	71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
*	72 1,4 Dichlorobenzene-d4	152	19.815	19.807	(1.000)	190244	50.0000	
	74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
	76 N-Butylbenzene	91.00	Compound Not Detected.					
	75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
	77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
	78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
	79 Hexachlorobutadiene	225.00	Compound Not Detected.					
	80 Napthalene	128.00	Compound Not Detected.					
	81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107.b\S7529.D
Lab Smp Id: DM9G11A1
Inj Date : 07-NOV-2000 20:33
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G11A1;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 13:30 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7529.D
Lab Smp Id: DM9G11A1
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 0951

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	636569	318285	1273138	485262	-23.77
50 Chlorobenzene-d5	549818	274909	1099636	394930	-28.17
72 1,4 Dichlorobenze	301876	150938	603752	190244	-36.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.56	0.07
50 Chlorobenzene-d5	16.21	15.71	16.71	16.21	0.05
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	0.04

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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9G11A1
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

STA

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	50.7767	101.55	75-125
$ 41 Toluene-d8	50.0000	46.8368	93.67	75-125
$ 60 4-Bromofluorobenze	50.0000	42.8379	85.68	80-120

STL Sacramento

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9G11A1
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

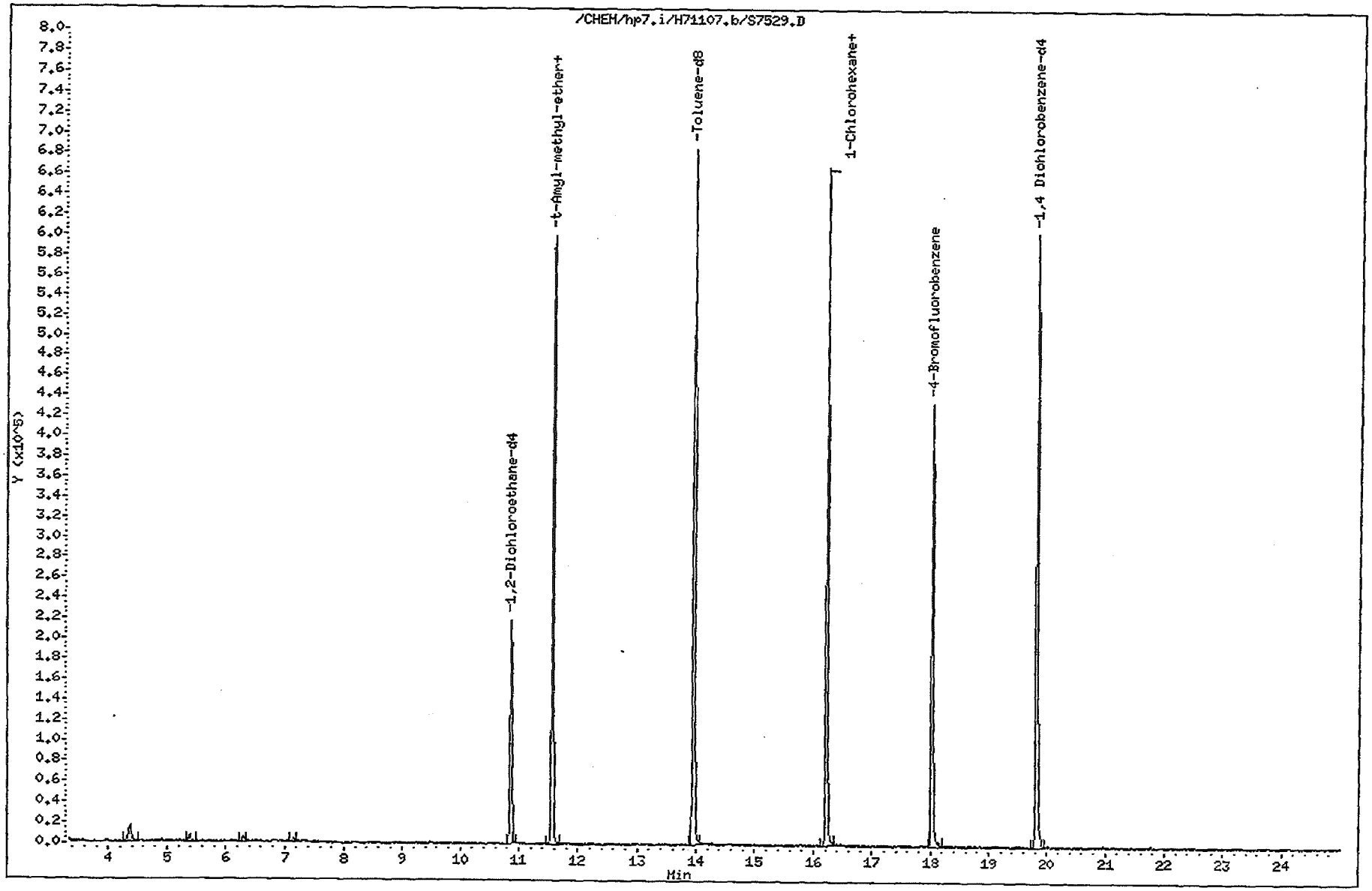
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107.b/S7529.D
Date : 07-NOV-2000 20:33
Client ID:
Sample Info: DM9G11A1;Barmbys;0;;;;2

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



BOE-C6-0175194

001656

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107.b\S7530.D
Lab Smp Id: DM9G21A3
Inj Date : 07-NOV-2000 21:03
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G21A3;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 23:46 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

"NO PE... TIC'S PRESENT"

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.297	6.290	(0.544)	8484	9.37147	9.37147(M)
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84	7.160	7.145	(0.619)	2250	0.65284	0.652844(M)
7 t-Butanol	59.00	Compound Not Detected.					

11/8/00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
	122 Acrylonitrile	53.00	Compound Not Detected.					
	15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
	14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M	131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
	13 Hexane	57.00	Compound Not Detected.					
	18 Vinyl acetate	43.00	Compound Not Detected.					
	17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
	16 Isopropyl ether	45.00	Compound Not Detected.					
	123 Chloroprene	53.00	Compound Not Detected.					
	19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
	22 2-Butanone	43	9.481	9.466	(0.820)	1008	0.899115	0.899151 (M)
	21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
	20 2,2-Dichloropropane	77.00	Compound Not Detected.					
	124 Propionitrile	54.00	Compound Not Detected.					
	125 Methacrylonitrile	41.00	Compound Not Detected.					
	23 Bromochloromethane	128.00	Compound Not Detected.					
	24 Chloroform (*)	83.00	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
	28 1,1-Dichloropropene	75.00	Compound Not Detected.					
	27 Carbon Tetrachloride	117.00	Compound Not Detected.					
	127 Isobutanol	43.00	Compound Not Detected.					
$	29 1,2-Dichloroethane-d4	65	10.868	10.853	(0.940)	205001	52.7613	52.7613
	30 Benzene	78.00	Compound Not Detected.					
	31 1,2-Dichloroethane	62.00	Compound Not Detected.					
	126 Cyclohexane	56.00	Compound Not Detected.					
	26 t-Amyl-methyl-ether	73	11.558	11.134	(0.999)	~~7970~~	~~1.17608~~	~~1.17608~~ (M)
*	32 1,4-Difluorobenzene	114	11.565	11.558	(1.000)	488773	50.0000	
	33 Trichloroethene	95.00	Compound Not Detected.					
	34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
	128 Methyl Methacrylate	41.00	Compound Not Detected.					
	35 1,4-Dioxane	88.00	Compound Not Detected.					
	36 Dibromomethane	93.00	Compound Not Detected.					
	37 Bromodichloromethane	83.00	Compound Not Detected.					
	38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
	39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
	40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$	41 Toluene-d8	98	13.951	13.943	(1.206)	520405	46.1543	46.1542
	42 Toluene (*)	92.00	Compound Not Detected.					
	43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
	129 Ethyl Methacrylate	69.00	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
	46 1,3-Dichloropropane	76.00	Compound Not Detected.					
	45 Tetrachloroethene	166.00	Compound Not Detected.					
	47 2-Hexanone	43.00	Compound Not Detected.					
	48 Dibromochloromethane	129.00	Compound Not Detected.					
	49 1,2-Dibromoethane	107.00	Compound Not Detected.					
	52 1-Chlorohexane	91	16.214	16.149	(1.000)	~~1034~~	~~0.26785~~	~~0.367852~~ (M)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
* 50 Chlorobenzene-d5	117	16.214	16.215	(1.000)	396677	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.011	18.011	(1.111)	182621	42.0204	42.0204
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.808	(1.000)	189771	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

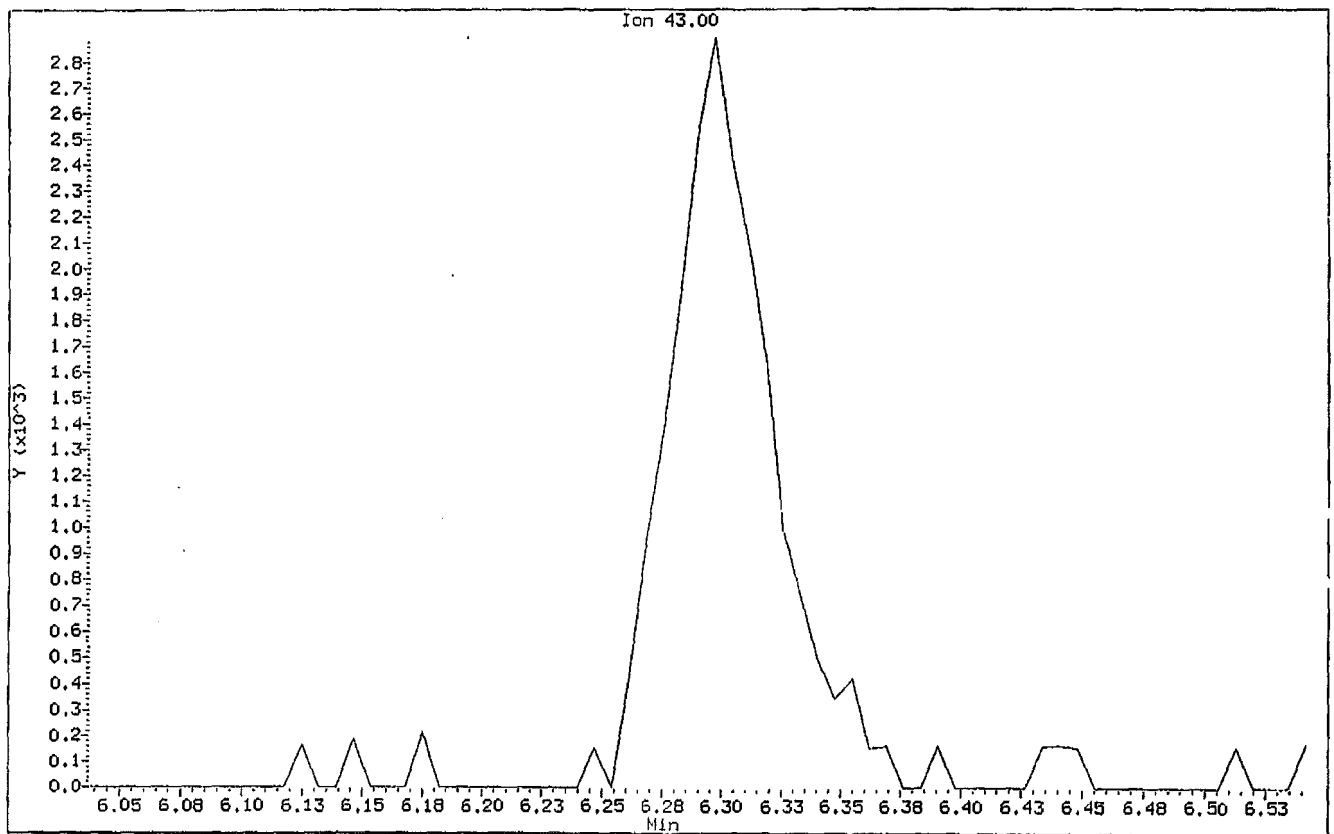
QC Flag Legend

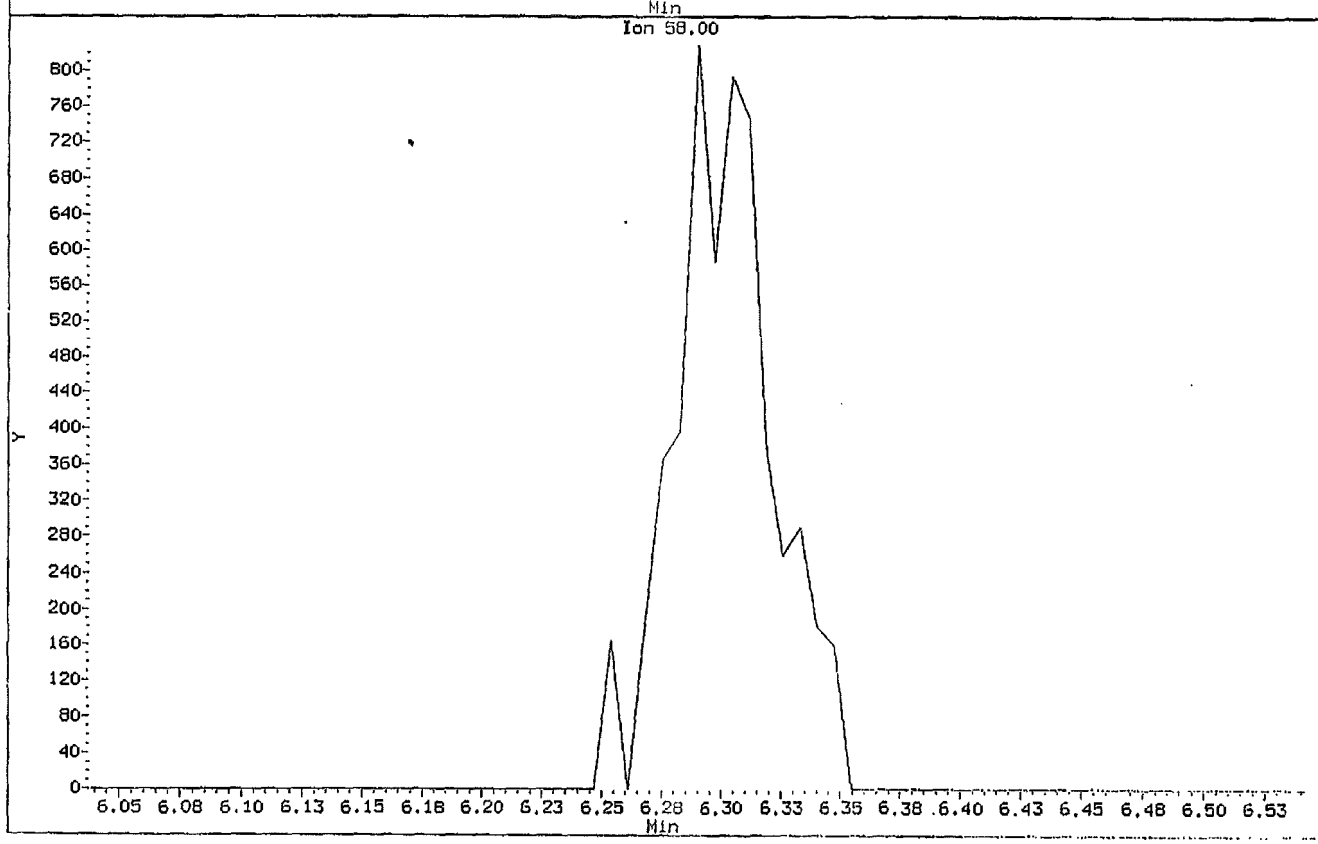
(1)-peak not found

M - Compound response manually integrated.

Data File: /chem/hp7.i/H71107.b/S7530.D
Injection Date: 07-NOV-2000 21:03
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1

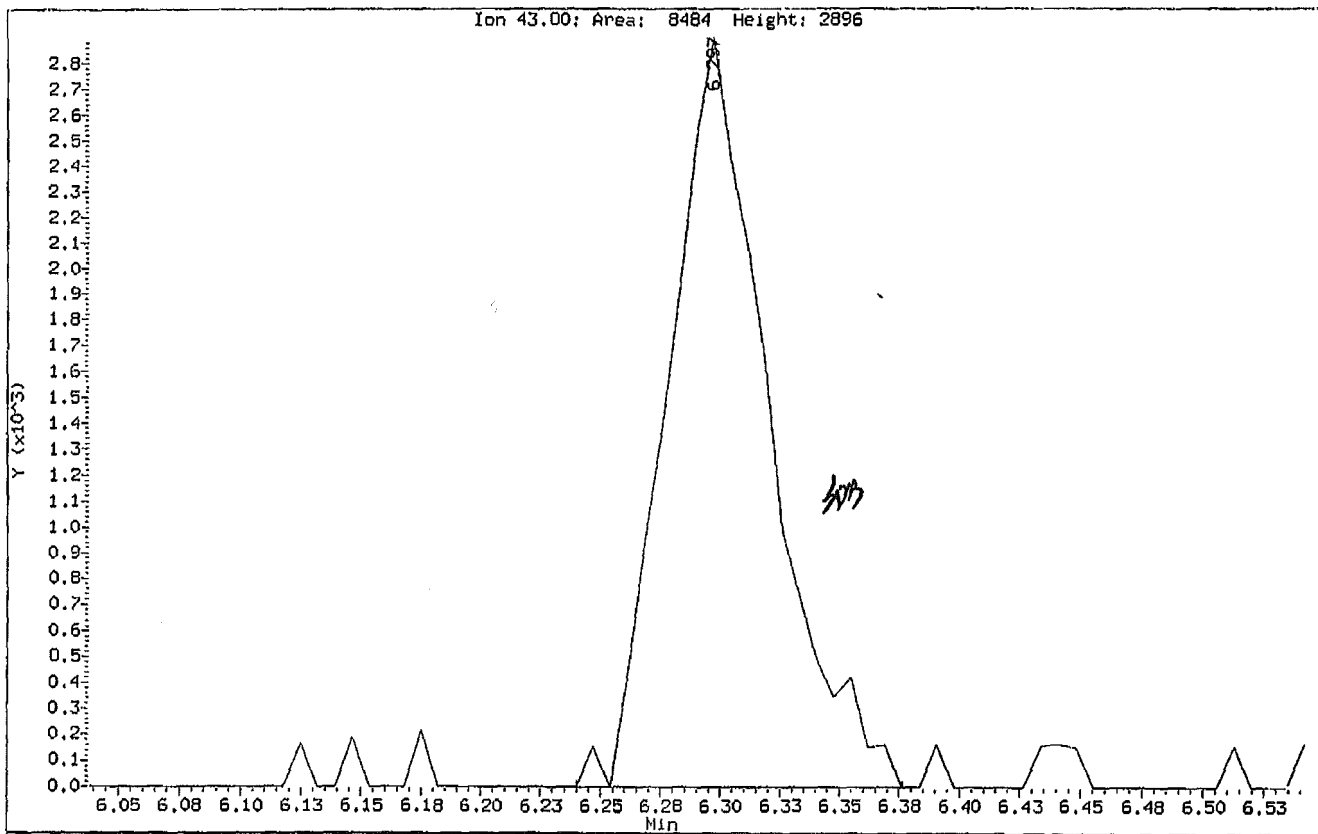


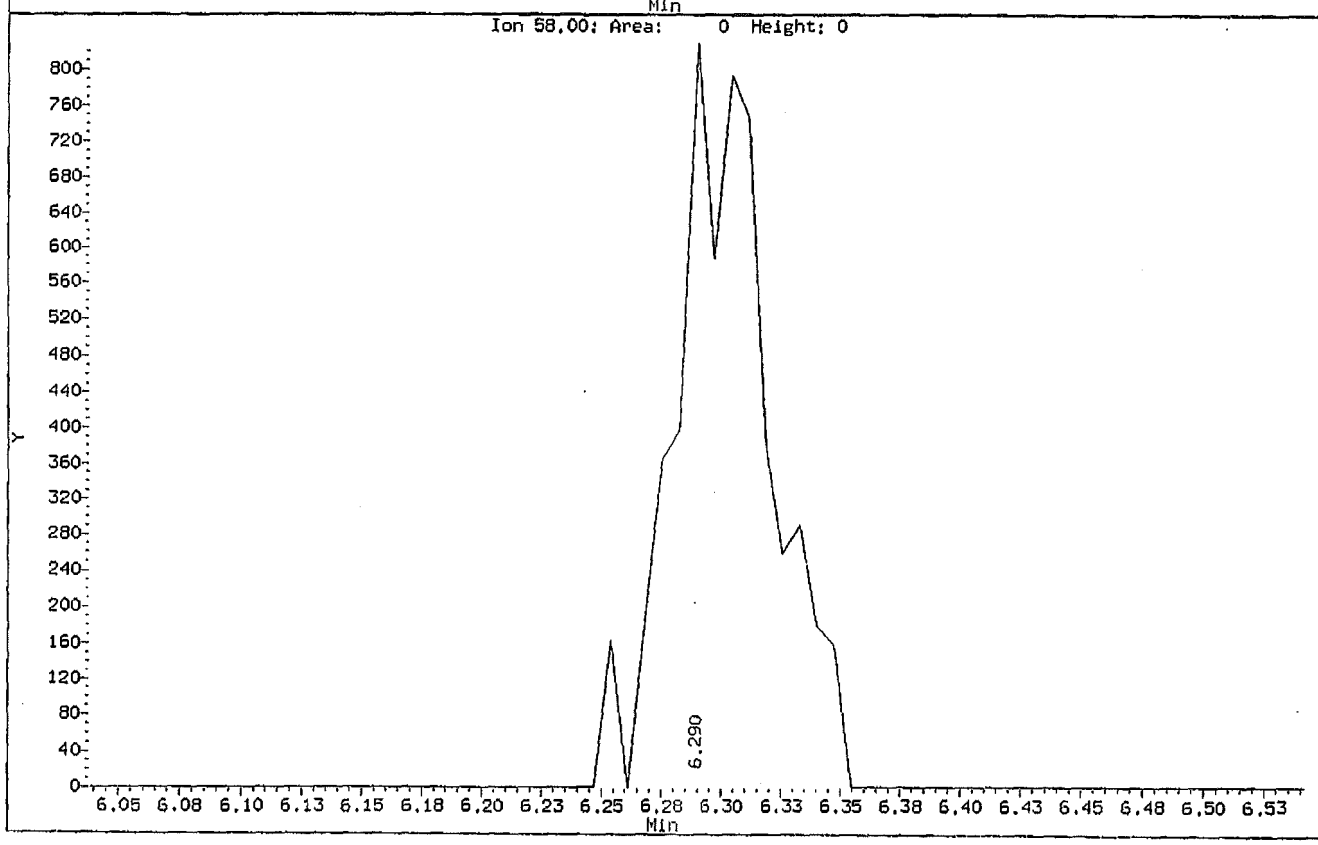


001660

Data File: /chem/hp7.i/H71107.b/S7530.D
Injection Date: 07-NOV-2000 21:03
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1

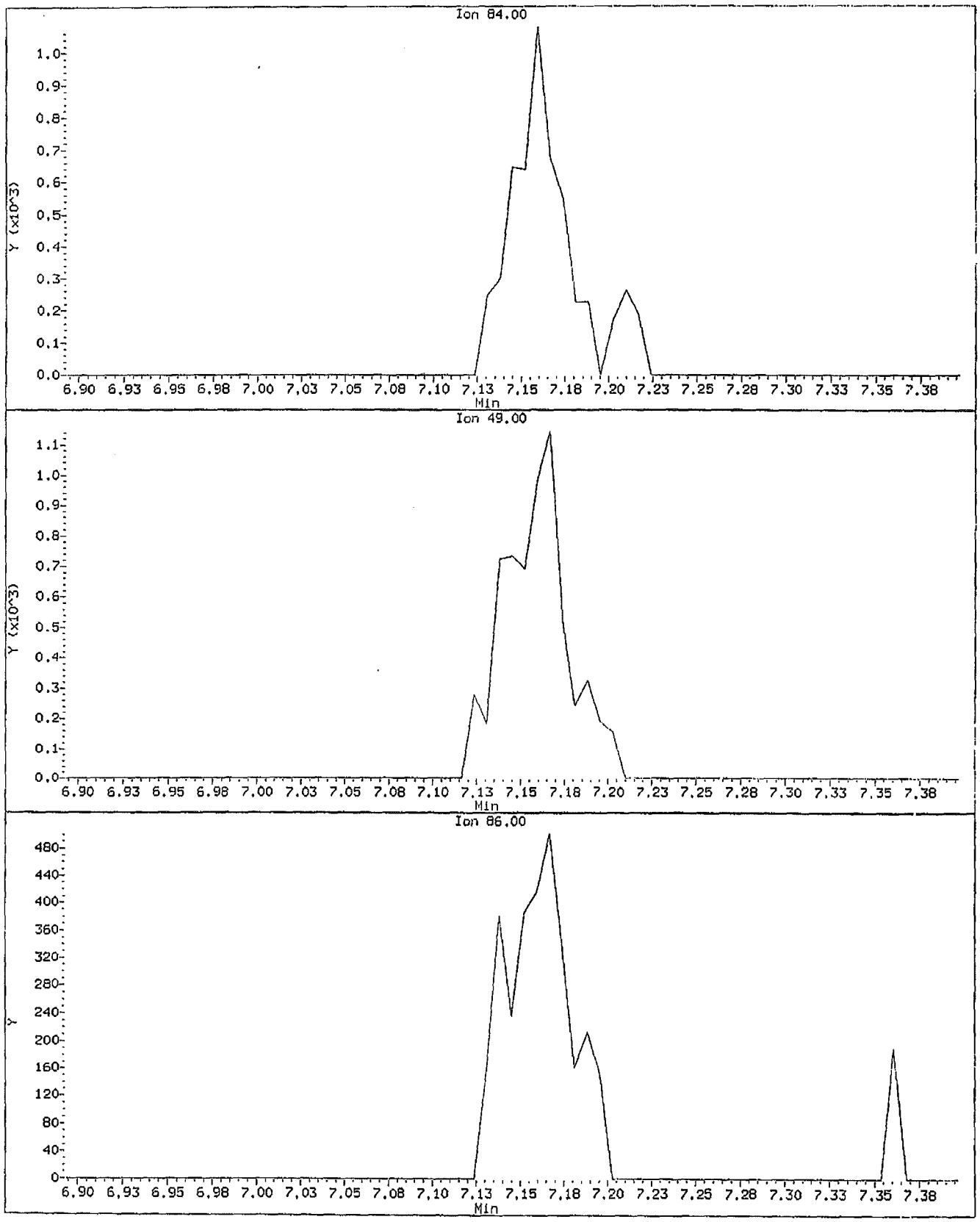




001661

Data File: /chem/hp7.i/H71107.b/S7530.D
Injection Date: 07-NOV-2000 21:03
Instrument: hp7.i
Client Sample ID:

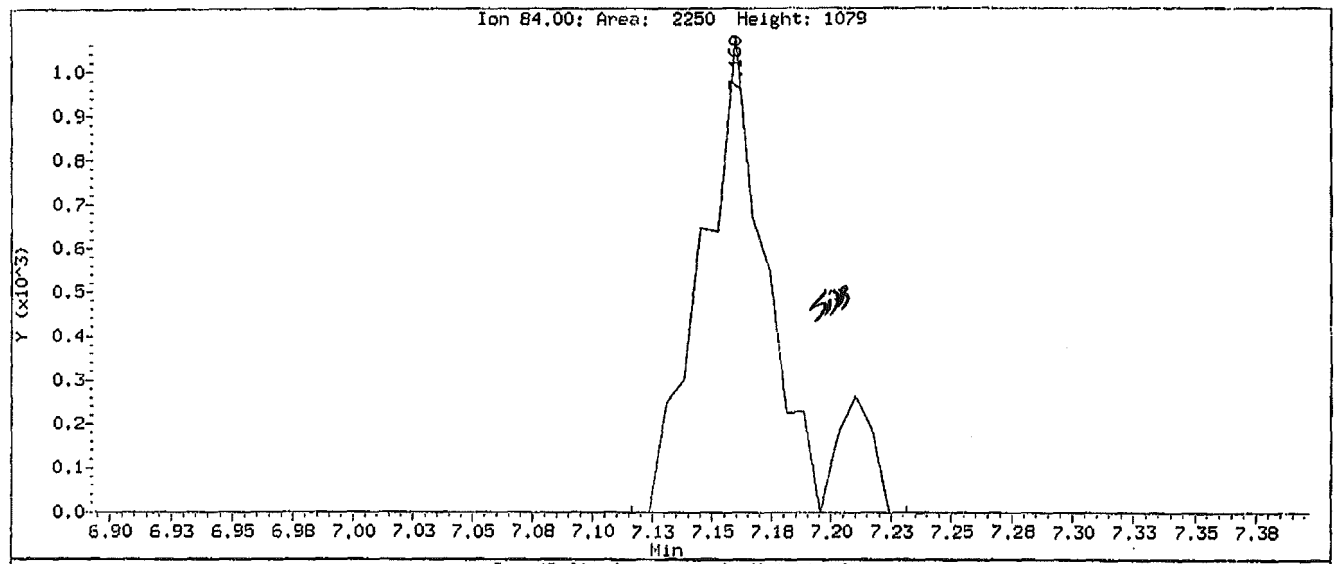
Compound: Methylene Chloride
CAS Number: 75-09-2

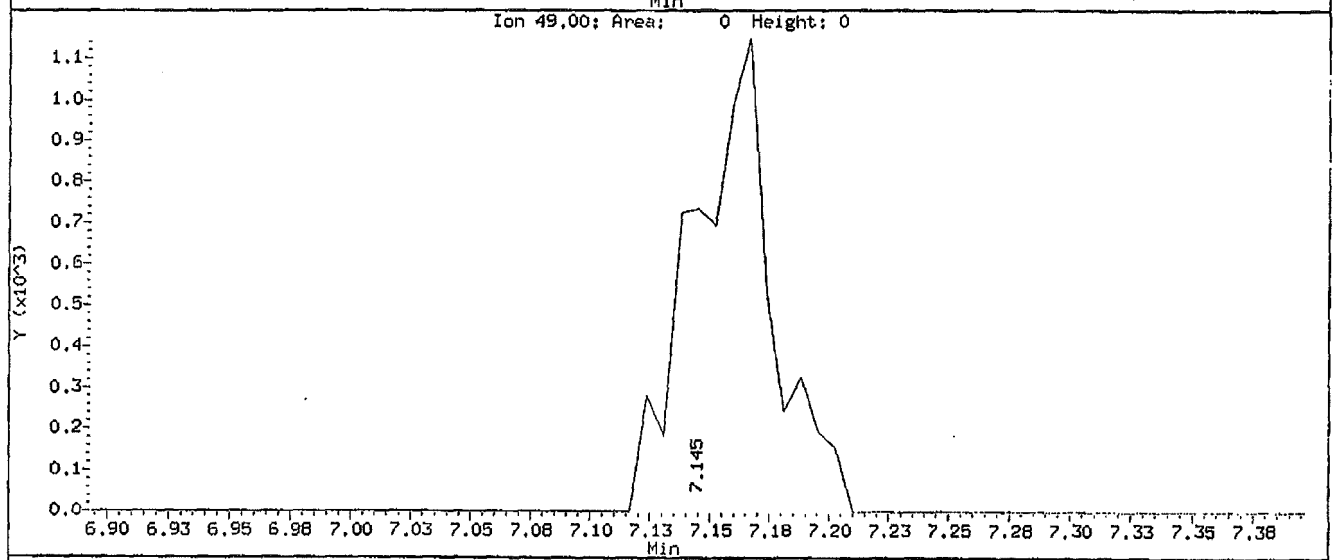


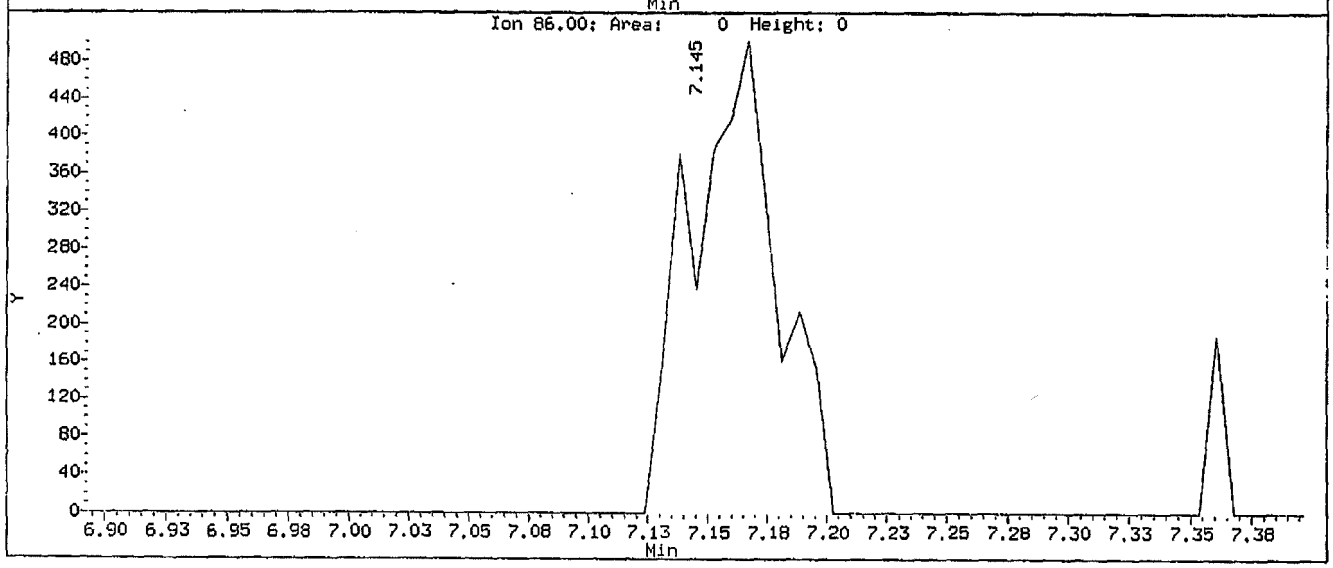
001662

Data File: /chem/hp7.i/H71107.b/S7530.D
Injection Date: 07-NOV-2000 21:03
Instrument: hp7.i
Client Sample ID:

Compound: Methylene Chloride
CAS Number: 75-09-2

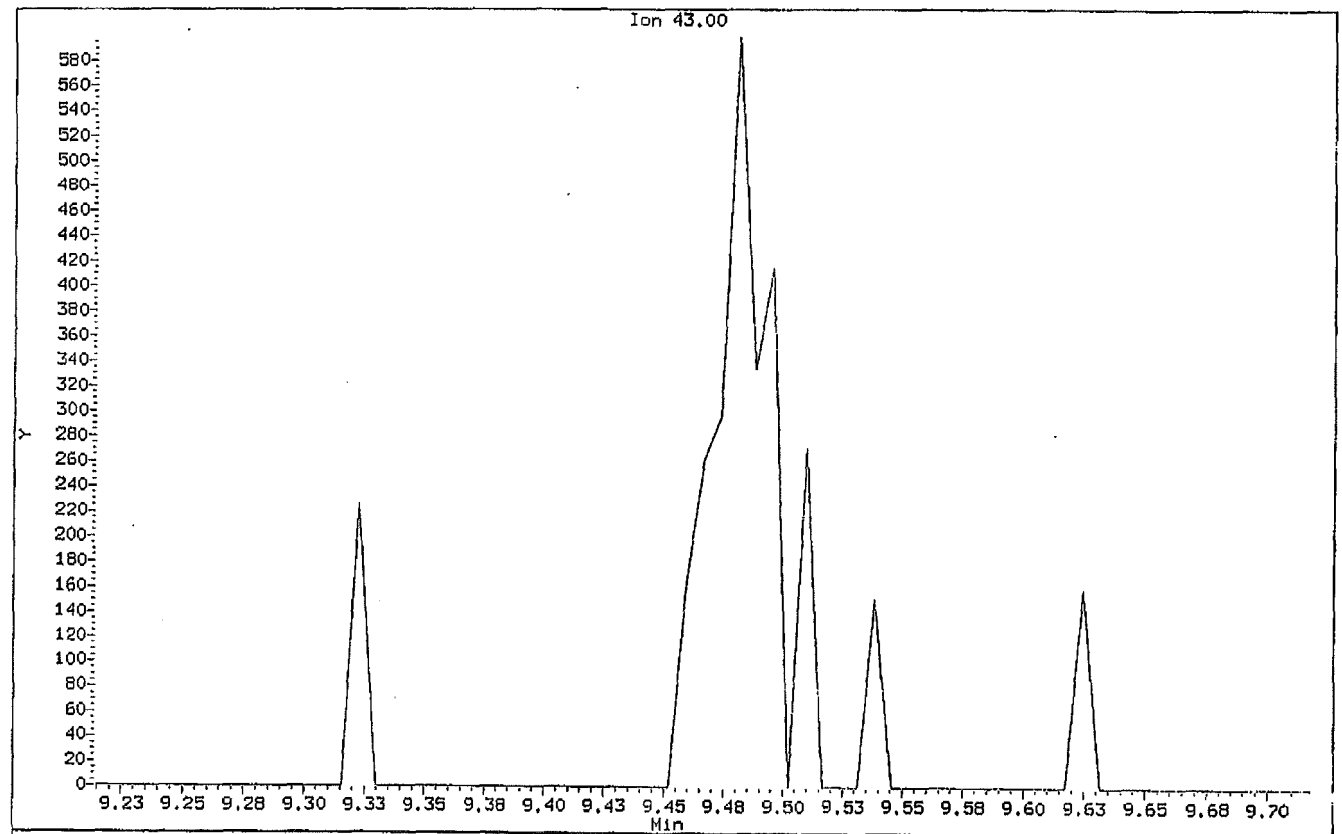


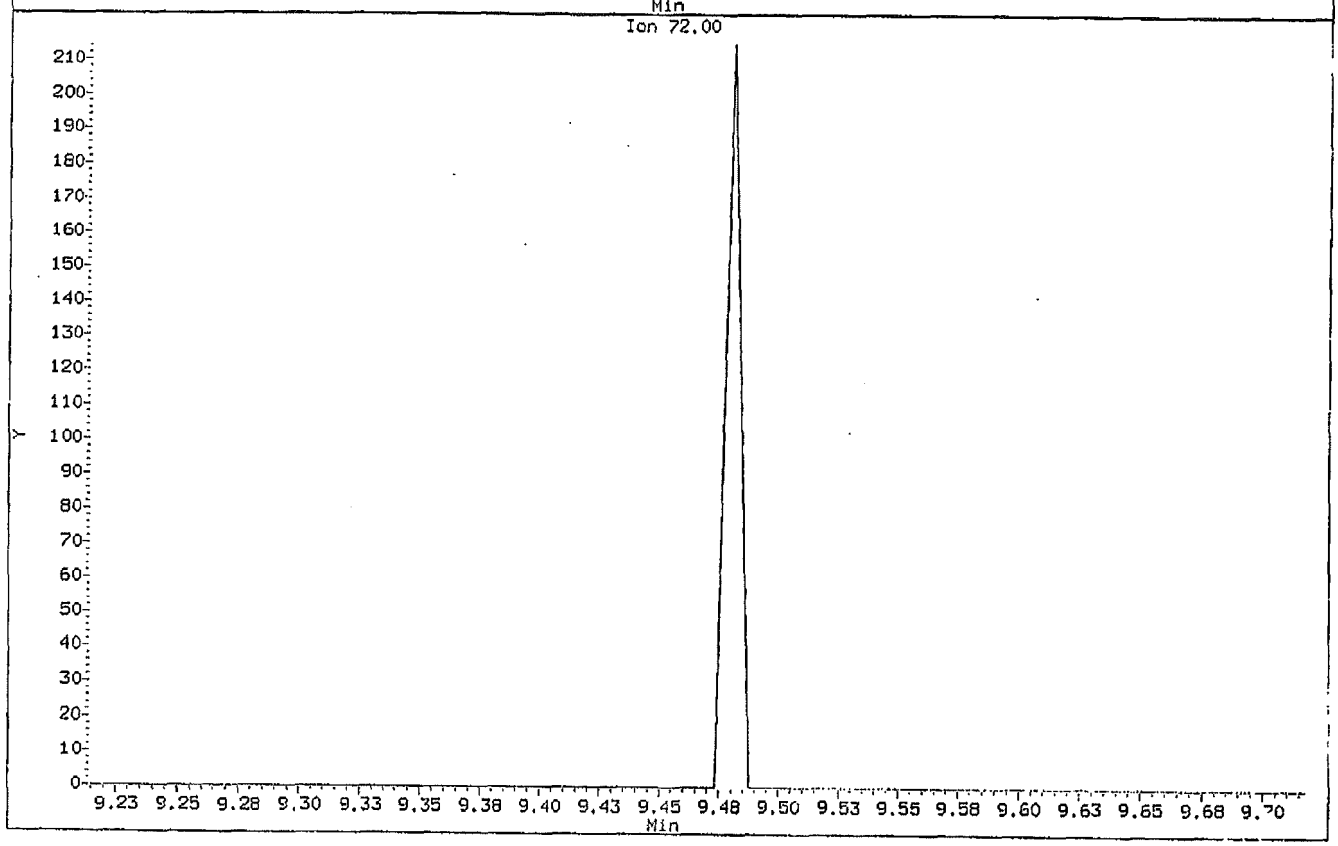




Data File: /chem/hp7.i/H71107.b/S7530.D
Injection Date: 07-NOV-2000 21:03
Instrument: hp7.i
Client Sample ID:

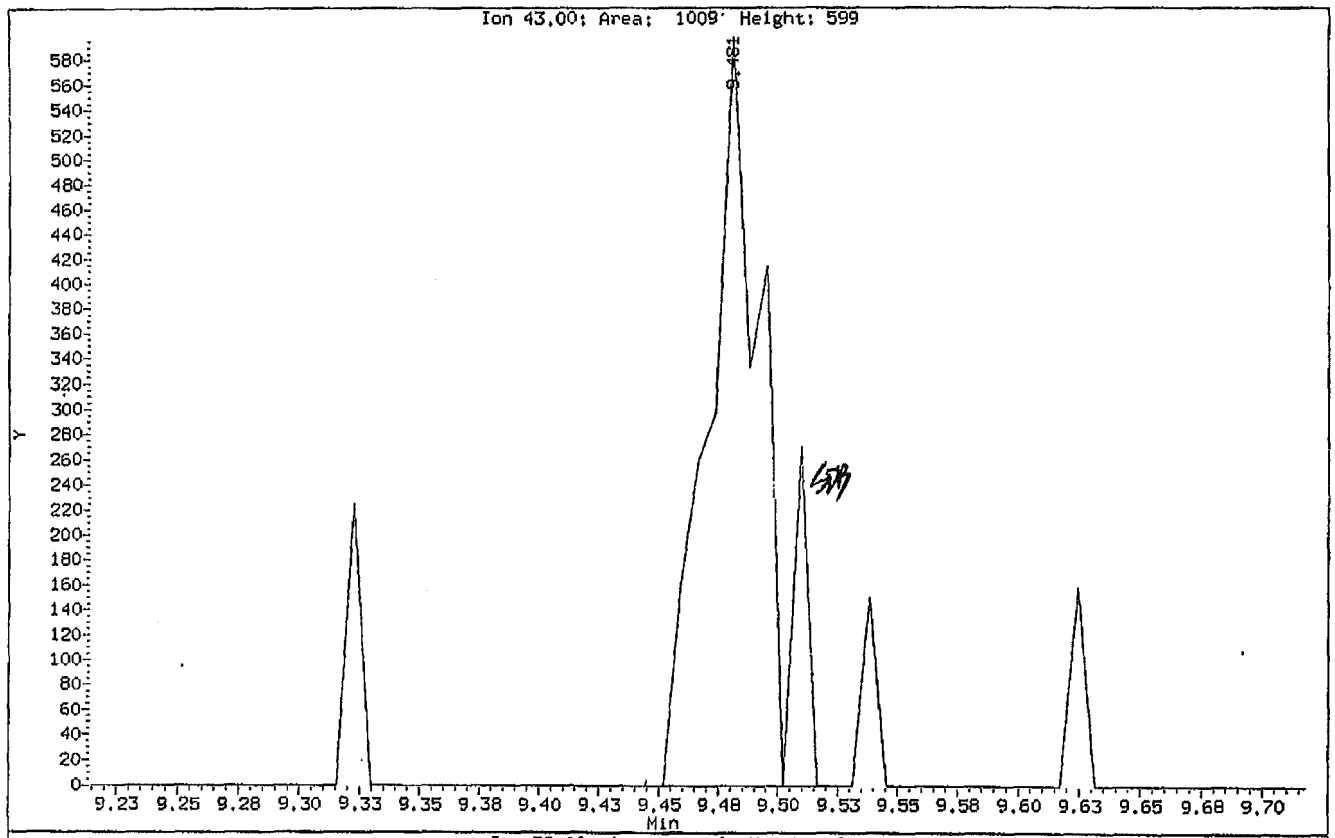
Compound: 2-Butanone
CAS Number: 78-93-3

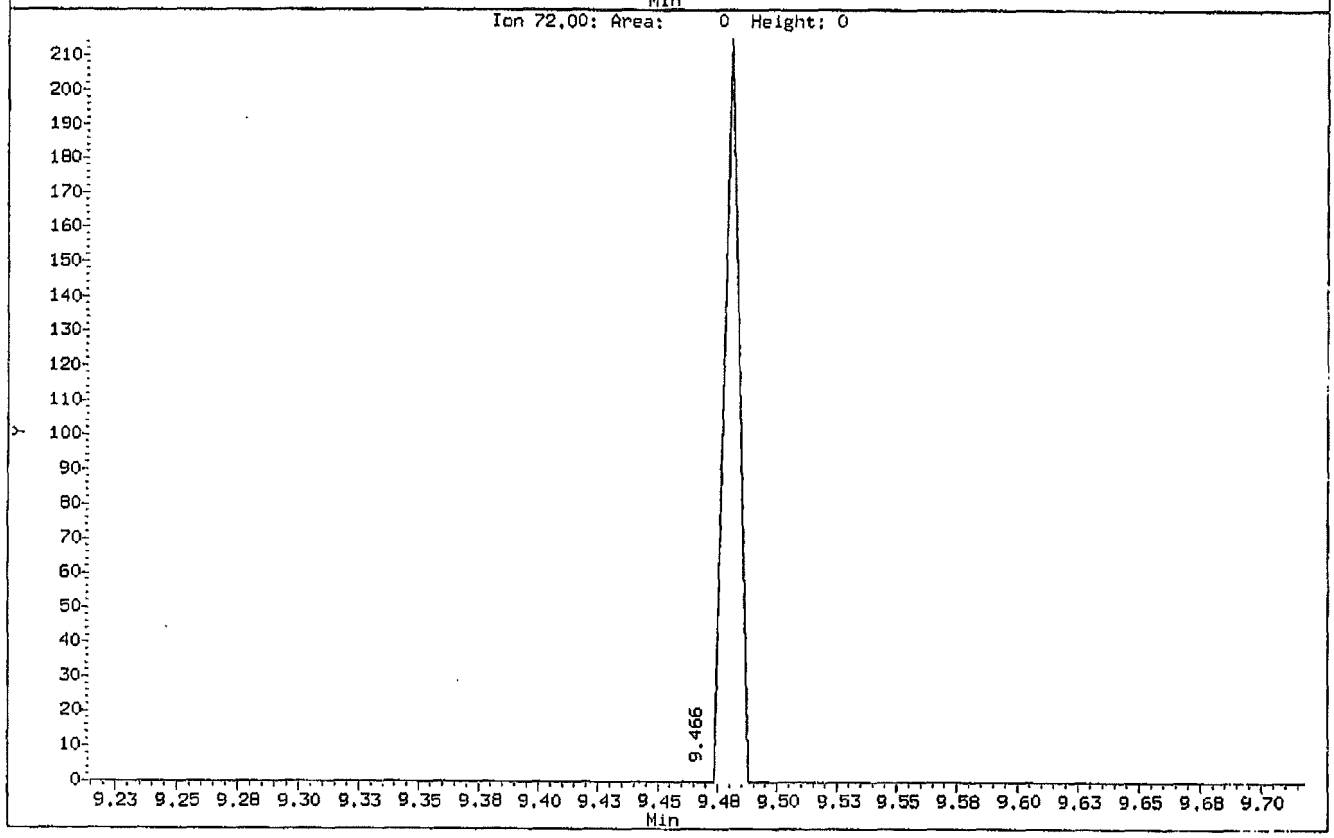




Data File: /chem/hp7.i/H71107.b/S7530.D
Injection Date: 07-NOV-2000 21:03
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3





001665

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107.b\S7530.D
Lab Smp Id: DM9G21A3
Inj Date : 07-NOV-2000 21:03
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G21A3;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 13:30 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	7 t-Butanol	59.00	Compound Not Detected.					
	122 Acrylonitrile	53.00	Compound Not Detected.					
	15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
	14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M	131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
	13 Hexane	57.00	Compound Not Detected.					
	18 Vinyl acetate	43.00	Compound Not Detected.					
	17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
	16 Isopropyl ether	45.00	Compound Not Detected.					
	123 Chloroprene	53.00	Compound Not Detected.					
	19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
	22 2-Butanone	43.00	Compound Not Detected.					
	21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
	20 2,2-Dichloropropane	77.00	Compound Not Detected.					
	124 Propionitrile	54.00	Compound Not Detected.					
	125 Methacrylonitrile	41.00	Compound Not Detected.					
	23 Bromochloromethane	128.00	Compound Not Detected.					
	24 Chloroform (*)	83.00	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
	28 1,1-Dichloropropene	75.00	Compound Not Detected.					
	27 Carbon Tetrachloride	117.00	Compound Not Detected.					
	127 Isobutanol	43.00	Compound Not Detected.					
$	29 1,2-Dichloroethane-d4	65	10.868	10.853	(0.940)	205001	52.7613	52.7613
	30 Benzene	78.00	Compound Not Detected.					
	31 1,2-Dichloroethane	62.00	Compound Not Detected.					
	126 Cyclohexane	56.00	Compound Not Detected.					
	26 t-Amyl-methyl-ether	73	11.558	11.134	(0.999)	7370	1.17688	1.17688
*	32 1,4-Difluorobenzene	114	11.565	11.557	(1.000)	488773	50.0000	
	33 Trichloroethene	95.00	Compound Not Detected.					
	34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
	128 Methyl Methacrylate	41.00	Compound Not Detected.					
	35 1,4-Dioxane	88.00	Compound Not Detected.					
	36 Dibromomethane	93.00	Compound Not Detected.					
	37 Bromodichloromethane	83.00	Compound Not Detected.					
	38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
	39 cis-1,3-Dichloropropene (Xtr)	75.00	Compound Not Detected.					
	40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$	41 Toluene-d8	98	13.951	13.943	(1.206)	520405	46.1543	46.1542
	42 Toluene (*)	92.00	Compound Not Detected.					
	43 trans-1,3-Dichloropropene(Xt)	75.00	Compound Not Detected.					
	129 Ethyl Methacrylate	69.00	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
	46 1,3-Dichloropropane	76.00	Compound Not Detected.					
	45 Tetrachloroethene	166.00	Compound Not Detected.					
	47 2-Hexanone	43.00	Compound Not Detected.					
	48 Dibromochloromethane	129.00	Compound Not Detected.					
	49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
52 1-Chlorohexane	91	16.214	16.149	(1.000)	1034	0.26785	0.267852
* 50 Chlorobenzene-d5	117	16.214	16.207	(1.000)	396677	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.011	18.011	(1.111)	182621	42.0204	42.0204
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.807	(1.000)	189771	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107.b\S7530.D
Lab Smp Id: DM9G21A3
Inj Date : 07-NOV-2000 21:03
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G21A3;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107.b\8260S.m
Meth Date : 07-Nov-2000 13:30 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7530.D
Lab Smp Id: DM9G21A3
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 0951

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	636569	318285	1273138	488773	-23.22
50 Chlorobenzene-d5	549818	274909	1099636	396677	-27.85
72 1,4 Dichlorobenze	301876	150938	603752	189771	-37.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.56	0.07
50 Chlorobenzene-d5	16.21	15.71	16.71	16.21	0.05
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	0.04

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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9G21A3
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	52.7613	105.52	75-125
$ 41 Toluene-d8	50.0000	46.1542	92.31	75-125
$ 60 4-Bromofluorobenze	50.0000	42.0204	84.04	80-120

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TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9G21A3
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

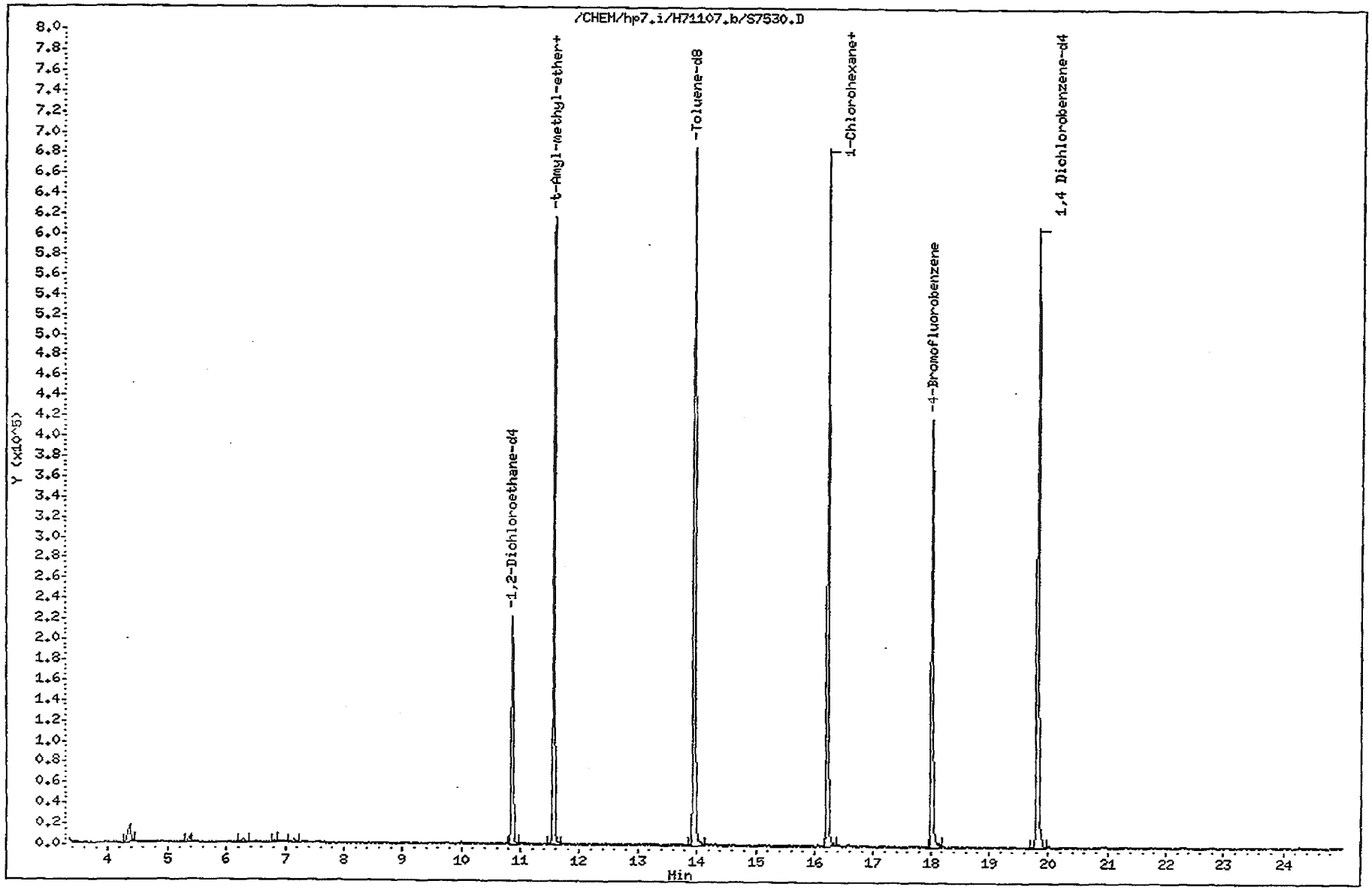
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107.b/S7530.D
Date : 07-NOV-2000 21:03
Client ID:
Sample Info: DM9G21A3;Barmbys;0;;;;2

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



BOE-C6-0175211

001573

STL Sacramento
GC/MS INSTRUMENT LOG

Page# 71
Book# 1633

VOLATILES

Standard ID's
Method 8260B
IS VMS149390001007A
SURR VMS149384000831E
TCL VMS149391001007B
ODD VMS149393001009A VMS149376001009B
MS VMS149392001007G VMS149395001009C
BFB VMS149349000503A

Inst ID : hp7.i
Batch ID : H71107a.b
Init Cal : 11/2/00
Reviewed By/Date: KSY 11/8/00
Matrix : SOIL
Level : LOW

Date	Time	Operator	Sample ID	File ID	Vol or Wt	MeOH (ml)	MeOH inj.	pH	SPG	Comments
07-NOV-2000	22:11	barmbys	50NG BFB 2UL	B7183.D	0 g				2	
07-NOV-2000	22:21	barmbys	50NG BFB 2UL	B7184.D	0 g				2	
07-NOV-2000	22:35	Barmbys	VSTD050	V7476.D	5 g				1	
07-NOV-2000	23:06	Barmbys	VSTD050 ap9	V7477.D	5 g				2	
07-NOV-2000	23:06	Barmbys	VSTD050 ap9	V7477b.D	5 g				2	
07-NOV-2000	23:46	Barmbys	DCS1	D7094.D	5 g				3	
08-NOV-2000	00:16	Barmbys	DCS2	D7096.D	5 g				4	
08-NOV-2000	00:47	Barmbys	cob	COB.D	0 g				2	
08-NOV-2000	01:17	Barmbys	VBLK07	W7280.D	5 g				1	
08-NOV-2000	01:48	Barmbys	DM9FM2A1 RI	S7532.D	5 g				2	OK DUP
08-NOV-2000	02:18	Barmbys	DM9F01AA	S7533.D	5 g				3	OK
08-NOV-2000	02:49	Barmbys	DM9F11A1	S7534.D	5 g				4	OK
08-NOV-2000	03:19	Barmbys	DM9GF1A0 RI	S7535.D	5 g				5	OK
08-NOV-2000	03:50	Barmbys	DM9GK1A1 RI	S7536.D	5 g				6	ISSUE CONFIRMS NC
08-NOV-2000	04:20	Barmbys	DM9GV1A1 RI	S7537.D	5 g				7	OK
08-NOV-2000	04:51	Barmbys	DM9G01A1 RI	S7538.D	5 g				8	OK
08-NOV-2000	05:22	Barmbys	DM9G41A1 RI	S7539.D	5 g				9	OK
08-NOV-2000	05:52	Barmbys	DM9G51A1	S7540.D	5 g				10	OK
08-NOV-2000	06:23	Barmbys	DN2W31AA	S7541.D	5 g				11	OK
08-NOV-2000	06:53	Barmbys	DN2XH1AK	S7542.D	5 g				12	OK
08-NOV-2000	07:24	Barmbys	DN2XM1AK	S7543.D	5 g				13	OK
08-NOV-2000	07:55	Barmbys	DN2XQ1AK	S7544.D	5 g				14	OK
08-NOV-2000	08:25	Barmbys	DN2XV1AK	S7545.D	5 g				15	OK
08-NOV-2000	08:56	Barmbys	DM9G51AC	S7546.D	5 g				16	OK
08-NOV-2000	09:26	Barmbys	DM9G51AD	S7547.D	5 g				17	OK

03150095

B DPMK11AA

C ↓ AO

STL Sacramento

Data file : \chem\hp7.i\H71107a.b\B7184.D
Lab Smp Id: 50NG BFB 2UL DI
Inj Date : 07-NOV-2000 22:21
Operator : barmbys Inst ID: hp7.i
Smp Info : 50NG BFB 2UL DI;barmbys;;;;;;
Misc Info : 2;SOIL;0;;;;;;;;
Comment :
Method : \chem\hp7.i\H71107a.b\BFB7.M
Meth Date : 25-Sep-2000 10:20 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.40 Sample Matrix: SOIL

Concentration Formula: Amt * DF * Uf * Vf

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.099	5.180	(0.000)	95	19000			0.00- 100.00	100.00
5.099	5.180	(0.000)	50	4315			15.00- 40.00	22.71
5.099	5.180	(0.000)	75	10311			30.00- 60.00	54.27
5.099	5.180	(0.000)	96	1414			5.00- 9.00	7.44
5.099	5.180	(0.000)	173	164			0.00- 2.00	1.42
5.099	5.180	(0.000)	174	11570			50.00- 0.00	60.89
5.099	5.180	(0.000)	175	919			5.00- 9.00	7.94
5.099	5.180	(0.000)	176	11200			95.00- 101.00	96.80
5.099	5.180	(0.000)	177	777			5.00- 9.00	6.94

11/7/00

Data File: /chem/hp7.i/H71107a.b/B7184.D

Date : 07-NOV-2000 22:21

Client ID:

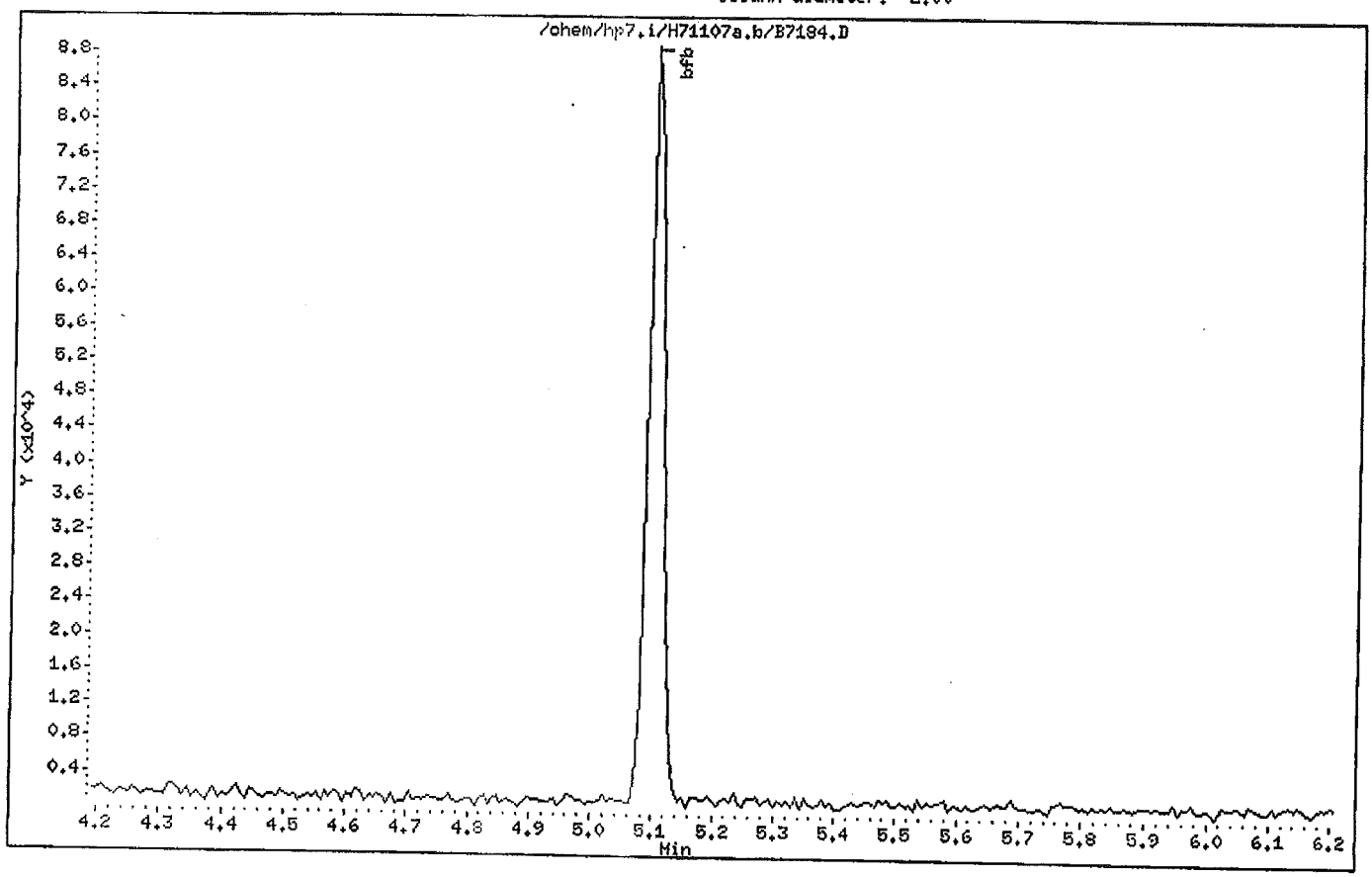
Instrument: hp7.i

Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Operator: barmbys

Column phase:

Column diameter: 2.00



Data File: /chem/hp7.i/H71107a.b/B7184.D

Date : 07-NOV-2000 22:21

Client ID:

Instrument: hp7.i

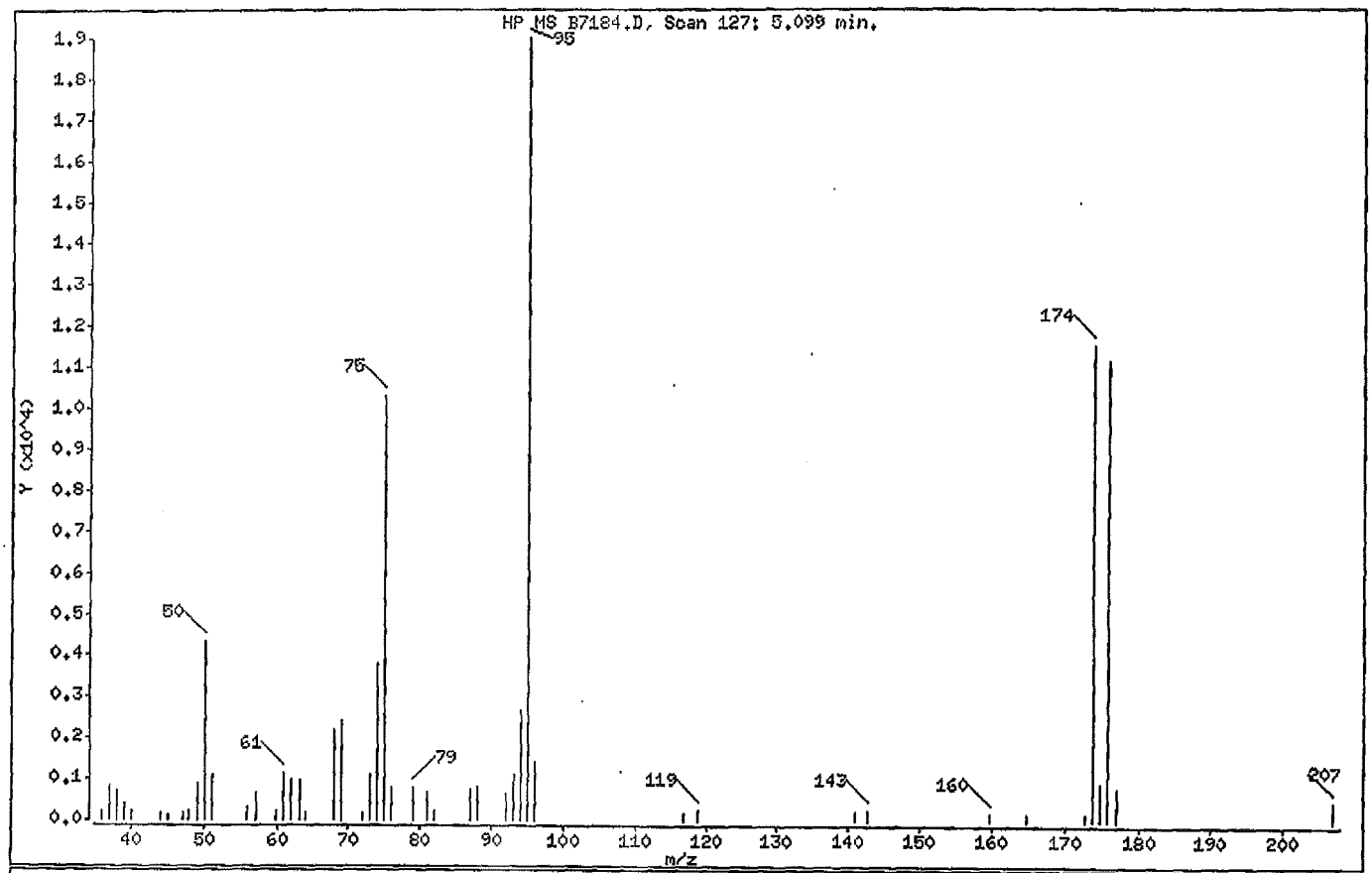
Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Operator: barmbys

Column phase:

Column diameter: 2.00

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	22.71
75	30.00 - 60.00% of mass 95	54.27
96	5.00 - 9.00% of mass 95	7.44
173	Less than 2.00% of mass 174	0.86 (1.42)
174	Greater than 50.00% of mass 95	60.89
175	5.00 - 9.00% of mass 174	4.84 (7.94)
176	95.00 - 101.00% of mass 174	58.95 (96.80)
177	5.00 - 9.00% of mass 176	4.09 (6.94)

Data File: /chem/hp7.i/H71107a.b/B7184.D

Date : 07-NOV-2000 22:21

Client ID:

Instrument: hp7.i

Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Operator: barmbys

Column phase:

Column diameter: 2.00

Data File: B7184.D
Spectrum: HP MS B7184.D, Scan 127: 5.099 min.
Location of Maximum: 94.95
Number of points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	221	57.00	641	78.85	783	142.70	258
37.10	842	59.95	221	80.85	635	159.75	190
38.10	701	60.95	1120	81.85	215	164.70	155
38.95	380	61.95	960	86.90	746	172.75	164
39.95	233	63.05	940	88.00	772	173.85	11570
44.05	158	63.95	187	92.00	645	174.85	919
45.05	151	68.00	2181	93.00	1088	175.85	11200
47.05	163	69.00	2381	94.00	2682	176.95	777
47.70	209	71.90	160	94.95	19000	206.95	482
49.00	887	73.00	1099	95.95	1414		
50.00	4315	74.00	3810	116.85	154		
51.00	1107	75.00	10311	118.85	250		
55.90	305	75.95	799	140.95	230		

STL Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp7.i
Lab File ID: V7478.D
Analysis Type: SOIL
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 07-NOV-2000 22:35
Init. Calibration Date(s): 02/17/0 11/02/0
Init. Calibration Times: 17:52 15:26
Method File: \chem\hp7.i\H71107a.b\8260S.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Dichlorodifluoromethane	0.338	0.415	0.010	-23.1	50.0
	2 Chloromethane (**)	0.371	0.382	0.100	-2.8	50.0
	3 Vinyl Chloride (*)	0.407	0.430	0.010	-5.6	20.0
	4 Bromomethane	0.252	0.279	0.010	-10.5	50.0
	5 Chloroethane	0.250	0.259	0.010	-3.6	50.0
	6 Trichlorofluoromethane	0.679	0.726	0.010	-7.0	50.0
	8 1,1-Dichloroethene(*)	0.334	0.341	0.010	-2.1	20.0
	9 Trichlorotrifluoroethane	0.304	0.309	0.010	-1.6	50.0
	10 Acetone	0.093	0.080	0.010	14.1	50.0
	11 Carbon disulfide	0.826	0.824	0.010	0.3	50.0
	12 Methylene Chloride	0.353	0.353	0.010	-0.1	50.0
	13 Hexane	0.346	0.310	0.010	10.2	50.0
	14 trans-1,2-Dichloroethene	0.348	0.333	0.010	4.2	50.0
M	131 1,2-Dichloroethane (Total)	0.658	0.643	0.010	2.4	50.0
	15 Methyl-t-butyl-ether	0.801	0.657	0.010	17.9	50.0
	17 1,1-Dichloroethane (**)	0.606	0.569	0.100	6.1	50.0
	18 Vinyl acetate	0.129	0.115	0.010	11.4	50.0
	20 2,2-Dichloropropane	0.562	0.566	0.010	-0.7	50.0
	21 cis 1,2-Dichloroethene	0.311	0.309	0.010	0.4	50.0
	22 2-Butanone	0.115	0.097	0.010	15.3	50.0
	23 Bromochloromethane	0.136	0.131	0.010	3.5	50.0
	24 Chloroform (*)	0.639	0.632	0.010	1.2	20.0
	25 1,1,1-Trichloroethane	0.586	0.576	0.010	1.8	50.0
	27 Carbon Tetrachloride	0.505	0.528	0.010	-4.5	50.0
	28 1,1-Dichloropropene	0.459	0.464	0.010	-1.1	50.0
$	29 1,2-Dichloroethane-d4	0.397	0.379	0.010	4.7	50.0
	30 Benzene	1.253	1.277	0.010	-1.9	50.0
	31 1,2-Dichloroethane	0.519	0.509	0.010	1.9	50.0
	33 Trichloroethene	0.373	0.349	0.010	6.4	50.0
	34 1,2-Dichloropropane(*)	0.290	0.284	0.010	2.3	20.0
	35 1,4-Dioxane	0.002	0.002	0.000	18.9	50.0
	36 Dibromomethane	0.184	0.180	0.010	2.0	50.0
	37 Bromodichloromethane	0.455	0.450	0.010	1.2	50.0
	38 2-Chloroethyl vinyl ether	0.133	0.116	0.010	12.7	50.0
	39 cis-1,3-Dichloropropene (xt	0.483	0.480	0.010	0.6	50.0

SM 11/7/00

STL Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp7.i
Lab File ID: V7478.D
Analysis Type: SOIL
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 07-NOV-2000 22:35
Init. Calibration Date(s): 02/17/0 11/02/0
Init. Calibration Times: 17:52 15:26
Method File: \chem\hp7.i\H71107a.b\8260S.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	40 4-Methyl-2-pentanone	0.217	0.189	0.010	13.0	50.0
$	41 Toluene-d8	1.153	1.121	0.010	2.8	50.0
	42 Toluene (*)	0.816	0.843	0.010	-3.4	20.0
	43 trans-1,3-Dichloropropene(x	0.463	0.453	0.010	2.0	50.0
	44 1,1,2-Trichloroethane	0.247	0.249	0.010	-1.1	50.0
	45 Tetrachloroethene	0.389	0.381	0.010	2.1	50.0
	46 1,3-Dichloropropane	0.549	0.515	0.010	6.2	50.0
	47 2-Hexanone	0.185	0.147	0.010	20.9	50.0
	48 Dibromochloromethane	0.344	0.319	0.010	7.3	50.0
	49 1,2-Dibromoethane	0.295	0.264	0.010	10.8	50.0
	51 Chlorobenzene (**)	1.065	1.018	0.300	4.4	50.0
	52 1-Chlorohexane	0.487	0.454	0.010	6.8	50.0
	53 1,1,1,2-Tetrachloroethane	0.371	0.360	0.010	3.1	50.0
	54 Ethylbenzene (*)	0.600	0.587	0.010	2.2	20.0
M	132 Xylenes (Total)	0.631	0.662	0.010	-4.8	50.0
	55 Xylenes (m,p)	0.749	0.734	0.010	2.0	50.0
	56 Xylene (o)	0.717	0.715	0.010	0.4	50.0
	57 Styrene	1.194	1.173	0.010	1.8	50.0
	58 Bromoform (**)	0.196	0.182	0.100	7.0	50.0
	59 Isopropylbenzene	1.870	1.921	0.010	-2.8	50.0
$	60 4-Bromofluorobenzene	0.548	0.497	0.010	9.3	50.0
	61 Bromobenzene	0.766	0.714	0.010	6.8	50.0
	62 1,1,2,2-Tetrachloroethane(*	0.649	0.618	0.300	4.8	50.0
	63 1,2,3-Trichloropropane	0.774	0.695	0.010	10.2	50.0
	64 N-Propylbenzene	4.462	4.390	0.010	1.6	50.0
	65 2-Chlorotoluene	2.654	2.546	0.010	4.1	50.0
	66 4-Chlorotoluene	2.836	2.654	0.010	6.4	50.0
	67 1,3,5-Trimethylbenzene	3.093	3.021	0.010	2.3	50.0
	68 T-Butylbenzene	2.576	2.504	0.010	2.8	50.0
	69 1,2,4-Trimethylbenzene	3.166	3.053	0.010	3.6	50.0
	70 Sec-Butylbenzene	3.906	3.808	0.010	2.5	50.0
	71 1,3-Dichlorobenzene	1.687	1.540	0.010	8.7	50.0
	73 P-Isopropyltoluene	3.314	3.198	0.010	3.5	50.0
	74 1,4-Dichlorobenzene	1.668	1.483	0.010	11.1	50.0
	75 1,2-Dichlorobenzene	1.525	1.405	0.010	7.8	50.0

SJR 11/7/00

STL Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp7.i
Lab File ID: V7478.D
Analysis Type: SOIL
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 07-NOV-2000 22:35
Init. Calibration Date(s): 02/17/0 11/02/0
Init. Calibration Times: 17:52 15:26
Method File: \chem\hp7.i\H71107a.b\8260S.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
76 N-Butylbenzene	3.450	3.199	0.010	7.3	50.0
77 1,2-Dibromo-3-chloropropane	0.166	0.127	0.010	23.4	50.0
78 1,2,4-Trichlorobenzene	0.982	0.768	0.010	21.8	50.0
79 Hexachlorobutadiene	0.558	0.435	0.010	*21.9	50.0
80 Napthalene	2.341	1.715	0.010	26.7	50.0
81 1,2,3-Trichlorobenzene	0.923	0.712	0.010	22.9	50.0

STM 11/7/00

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\V7478.D
Lab Smp Id: VSTD050
Inj Date : 07-NOV-2000 22:35
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD050;Barmbys;2;;4;;1
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:00 auto Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

SPA 11/2/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
1 Dichlorodifluoromethane	85	3.484	3.484	(0.301)	231463	50.0000	61.5303
2 Chloromethane (**)	50	3.822	3.822	(0.330)	212670	50.0000	51.3789
3 Vinyl Chloride (*)	62	4.016	4.016	(0.347)	239415	50.0000	52.7907
4 Bromomethane	94	4.598	4.598	(0.397)	155164	50.0000	55.2391
5 Chloroethane	64	4.770	4.770	(0.412)	144497	50.0000	51.7760
6 Trichlorofluoromethane	101	5.245	5.245	(0.453)	404701	50.0000	53.5211
8 1,1-Dichloroethene(*)	96	6.251	6.251	(0.540)	189900	50.0000	51.0515
9 Trichlorotrifluoroethane	101	6.222	6.222	(0.538)	171880	50.0000	50.7985
10 Acetone	43	6.301	6.301	(0.545)	44300	50.0000	42.9279
11 Carbon disulfide	76	6.732	6.732	(0.582)	458857	50.0000	49.8691
12 Methylene Chloride	84	7.163	7.163	(0.619)	196736	50.0000	50.0718
13 Hexane	57	8.198	8.198	(0.709)	172910	50.0000	44.8823
14 trans-1,2-Dichloroethene	96	7.688	7.688	(0.665)	185769	50.0000	47.9241
M 131 1,2-Dichloroethane (Total)	96				358189	50.0000	97.7436
15 Methyl-t-butyl-ether	73	7.681	7.681	(0.664)	366243	50.0000	41.0275

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
	17 1,1-Dichloroethane (**)	63	8.457	8.457	(0.731)	316857	50.0000	46.9477
	18 Vinyl acetate	43	8.500	8.500	(0.735)	63870	50.0000	44.3158
	20 2,2-Dichloropropane	77	9.499	9.499	(0.821)	315222	50.0000	50.3467
	21 cis 1,2-Dichloroethene	96	9.485	9.485	(0.820)	172420	50.0000	49.8195
	22 2-Butanone	43	9.485	9.485	(0.820)	54195	50.0000	42.3704
	23 Bromochloromethane	128	9.901	9.901	(0.856)	72863	50.0000	48.2517
	24 Chloroform (*)	83	10.016	10.016	(0.866)	351937	50.0000	49.4037
	25 1,1,1-Trichloroethane	97	10.376	10.376	(0.897)	320798	50.0000	49.1095
	27 Carbon Tetrachloride	117	10.663	10.663	(0.922)	293965	50.0000	52.2428
	28 1,1-Dichloropropene	75	10.642	10.642	(0.920)	258264	50.0000	50.5496
$	29 1,2-Dichloroethane-d4	65	10.872	10.872	(0.940)	211104	50.0000	47.6658
	30 Benzene	78	10.994	10.994	(0.950)	711435	50.0000	50.9678
	31 1,2-Dichloroethane	62	10.994	10.994	(0.950)	283410	50.0000	49.0265
*	32 1,4-Difluorobenzene	114	11.569	11.569	(1.000)	557129	50.0000	
	33 Trichloroethene	95	12.029	12.029	(1.040)	194412	50.0000	46.8054
	34 1,2-Dichloropropane(*)	63	12.388	12.388	(1.071)	158102	50.0000	48.8469
	35 1,4-Dioxane	88	12.582	12.582	(1.088)	27216	1250.00	1013.45
	36 Dibromomethane	93	12.582	12.582	(1.088)	100526	50.0000	49.0088
	37 Bromodichloromethane	83	12.805	12.805	(1.107)	250562	50.0000	49.4014
	38 2-Chloroethyl vinyl ether	63	13.229	13.229	(1.143)	64746	50.0000	43.6467
	39 cis-1,3-Dichloropropene (xtr)	75	13.502	13.502	(1.167)	267399	50.0000	49.7196
	40 4-Methyl-2-pentanone	43	13.710	13.710	(1.185)	105364	50.0000	43.4986
$	41 Toluene-d8	98	13.955	13.955	(1.206)	624542	50.0000	48.5941
	42 Toluene (*)	92	14.062	14.062	(1.216)	469692	50.0000	51.6833
	43 trans-1,3-Dichloropropene(xt)	75	14.357	14.357	(1.241)	252491	50.0000	48.9887
	44 1,1,2-Trichloroethane	97	14.652	14.652	(1.266)	138919	50.0000	50.5619
	45 Tetrachloroethene	166	14.939	14.939	(0.921)	192940	50.0000	48.9527
	46 1,3-Dichloropropane	76	14.925	14.925	(0.920)	260899	50.0000	46.9085
	47 2-Hexanone	43	14.997	14.997	(0.925)	74394	50.0000	39.5719
	48 Dibromochloromethane	129	15.306	15.306	(0.944)	161423	50.0000	46.3463
	49 1,2-Dibromoethane	107	15.507	15.507	(0.956)	133538	50.0000	44.6207
*	50 Chlorobenzene-d5	117	16.218	16.218	(1.000)	506760	50.0000	
	51 Chlorobenzene (**)	112	16.261	16.261	(1.003)	516025	50.0000	47.7905
	52 1-Chlorohexane	91	16.161	16.161	(0.996)	229884	50.0000	46.6141
	53 1,1,1,2-Tetrachloroethane	131	16.369	16.369	(1.009)	182223	50.0000	48.4448
	54 Ethylbenzene (*)	106	16.405	16.405	(1.012)	297218	50.0000	48.8984
M	132 Xylenes (Total)	106				1105875	150.000	147.822
	55 Xylenes (m,p)	106	16.578	16.578	(1.022)	743728	100.000	98.0163
	56 Xylene (o)	106	17.210	17.210	(1.061)	362147	50.0000	49.8063
	57 Styrene	104	17.217	17.217	(1.062)	594198	50.0000	49.1208
	58 Bromoform (**)	173	17.533	17.533	(1.081)	92181	50.0000	46.5157
	59 Isopropylbenzene	105	17.756	17.756	(1.095)	973606	50.0000	51.3753
$	60 4-Bromofluorobenzene	95	18.015	18.015	(1.111)	251734	50.0000	45.3405
	61 Bromobenzene	156	18.288	18.288	(0.923)	207415	50.0000	46.5919
	62 1,1,2,2-Tetrachloroethane(**)	83	18.187	18.187	(0.918)	179613	50.0000	47.6020
	63 1,2,3-Trichloropropane	75	18.281	18.281	(0.922)	202088	50.0000	44.9191
	64 N-Propylbenzene	91	18.396	18.396	(0.928)	1275711	50.0000	49.1866

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
65 2-Chlorotoluene	91	18.568	18.568	(0.937)	739845	50.0000	47.9599
66 4-Chlorotoluene	91	18.726	18.726	(0.945)	771337	50.0000	46.7980
67 1,3,5-Trimethylbenzene	105	18.647	18.647	(0.941)	878005	50.0000	48.8444
68 T-Butylbenzene	119	19.172	19.172	(0.967)	727790	50.0000	48.6157
69 1,2,4-Trimethylbenzene	105	19.237	19.237	(0.971)	887181	50.0000	48.2139
70 Sec-Butylbenzene	105	19.510	19.510	(0.984)	1106542	50.0000	48.7383
71 1,3-Dichlorobenzene	146	19.725	19.725	(0.995)	447528	50.0000	45.6279
* 72 1,4 Dichlorobenzene-d4	152	19.819	19.819	(1.000)	290615	50.0000	
73 P-Isopropyltoluene	119	19.711	19.711	(0.995)	929473	50.0000	48.2592
74 1,4-Dichlorobenzene	146	19.855	19.855	(1.002)	430862	50.0000	44.4337
75 1,2-Dichlorobenzene	146	20.444	20.444	(1.032)	408414	50.0000	46.0817
76 N-Butylbenzene	91	20.343	20.343	(1.026)	929690	50.0000	46.3612
77 1,2-Dibromo-3-chloropropane	75	21.637	21.637	(1.092)	36853	50.0000	38.2873
78 1,2,4-Trichlorobenzene	180	23.132	23.132	(1.167)	223154	50.0000	39.0853
79 Hexachlorobutadiene	225	23.441	23.441	(1.183)	126510	50.0000	39.0408
80 Napthalene	128	23.642	23.642	(1.193)	498442	50.0000	36.6320
81 1,2,3-Trichlorobenzene	180	24.152	24.152	(1.219)	206848	50.0000	38.5441

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: V7478.D
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;Q8260.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	557129	0.00
50 Chlorobenzene-d5	506760	253380	1013520	506760	0.00
72 1,4 Dichlorobenze	290615	145308	581230	290615	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.57	0.00
50 Chlorobenzene-d5	16.22	15.72	16.72	16.22	0.00
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.82	0.00

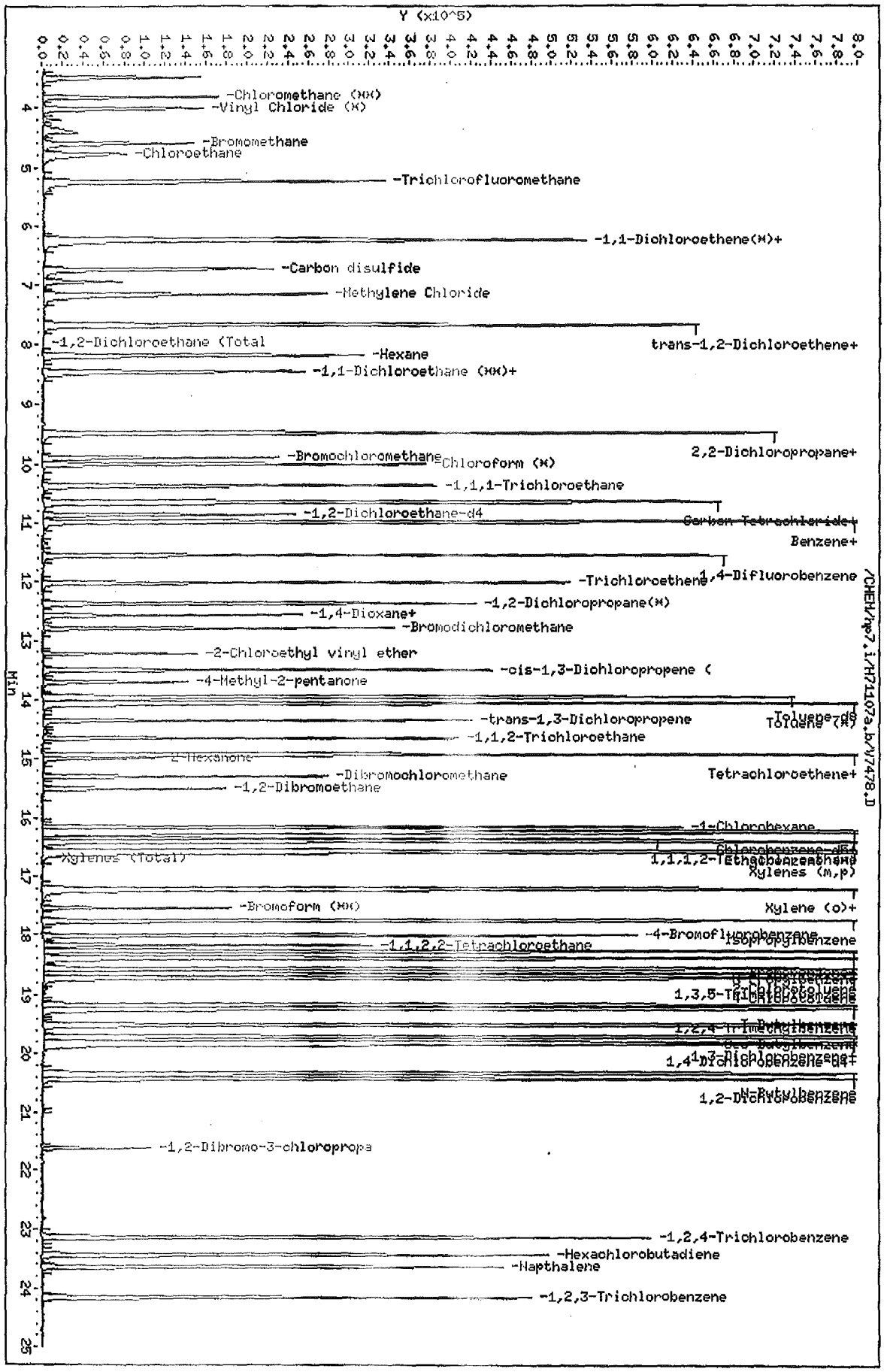
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /CHEM/hp7.i/H71107a.b/V7478.D
Date : 07-NOV-2000 22:35
Client ID:
Sample Info: VSTD050;Barmbys;2;4;1

Column phase:

Operator: Barmbys
Column diameter: 0.53

Instrument: hp7.i



001686

BOE-C6-0175224

Data File: \chem\hp7.i\H71107a.b\V7477.D
Report Date: 07-Nov-2000 23:35

STL Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp7.i
Lab File ID: V7477.D
Analysis Type: SOIL
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 07-NOV-2000 23:06
Init. Calibration Date(s): 02/17/0 11/02/0
Init. Calibration Times: 17:52 15:26
ap9/oxy Method File: \chem\hp7.i\H71107a.b\8260S.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
118 Acrolein	0.016	0.018	0.010	-13.6	50.0	
119 Iodomethane	0.278	0.267	0.010	3.7	50.0	
121 Allyl Chloride	0.125	0.163	0.010	-29.8	50.0	
120 Acetonitrile	0.038	0.056	0.010	-46.2	50.0	
122 Acrylonitrile	0.057	0.079	0.010	-38.0	50.0	
123 Chloroprene	0.486	0.530	0.010	-9.0	50.0	
124 Propionitrile	0.025	0.027	0.010	-8.7	50.0	
125 Methacrylonitrile	0.112	0.131	0.010	-16.8	50.0	
127 Isobutanol	0.009	0.010	0.010	-11.8	50.0	<-
128 Methyl Methacrylate	0.189	0.199	0.010	-5.5	50.0	
129 Ethyl Methacrylate	0.274	0.267	0.010	2.7	50.0	
130 T-1,4-Dichloro-2-Butene	0.089	0.117	0.010	-30.9	50.0	

SM 11/9/0

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107a.b\V7477.D
Lab Smp Id: VSTD050 ap9/oxy
Inj Date : 07-NOV-2000 23:06
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD050 ap9/oxy;Barmbys;2;;4;;1
Misc Info : 2;SOIL;0;2ap9.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:31 auto Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2ap9.sub
Target Version: 3.40
Processing Host: SACP2006

11/9/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
118 Acrolein	56	6.004	6.004	(0.519)	117614	500.000	567.950(A)
119 Iodomethane	142	6.564	6.564	(0.568)	172346	50.0000	48.1515
121 Allyl Chloride	76	6.924	6.924	(0.599)	104809	50.0000	64.8933
120 Acetonitrile	40	6.924	6.924	(0.599)	35881	50.0000	73.0914
122 Acrylonitrile	53	7.585	7.585	(0.656)	506591	500.000	689.874(A)
123 Chloroprene	53	8.627	8.627	(0.746)	341355	50.0000	54.4986
124 Propionitrile	54	9.575	9.575	(0.828)	17559	50.0000	54.3468(M)
125 Methacrylonitrile	41	9.841	9.841	(0.851)	84249	50.0000	58.4074
127 Isobutanol	43	10.740	10.740	(0.929)	63111	500.000	558.924(A)
* 32 1,4-Difluorobenzene	114	11.559	11.559	(1.000)	644324	50.0000	
128 Methyl Methacrylate	41	12.493	12.493	(1.081)	128307	50.0000	52.7520
129 Ethyl Methacrylate	69	14.448	14.448	(1.250)	171962	50.0000	48.6525
* 50 Chlorobenzene-d5	117	16.216	16.216	(1.000)	499469	50.0000	
130 T-1,4-Dichloro-2-Butene	89	18.264	18.264	(0.922)	30812	50.0000	65.4713
* 72 1,4 Dichlorobenzene-d4	152	19.809	19.809	(1.000)	263083	50.0000	

2 11/7/00

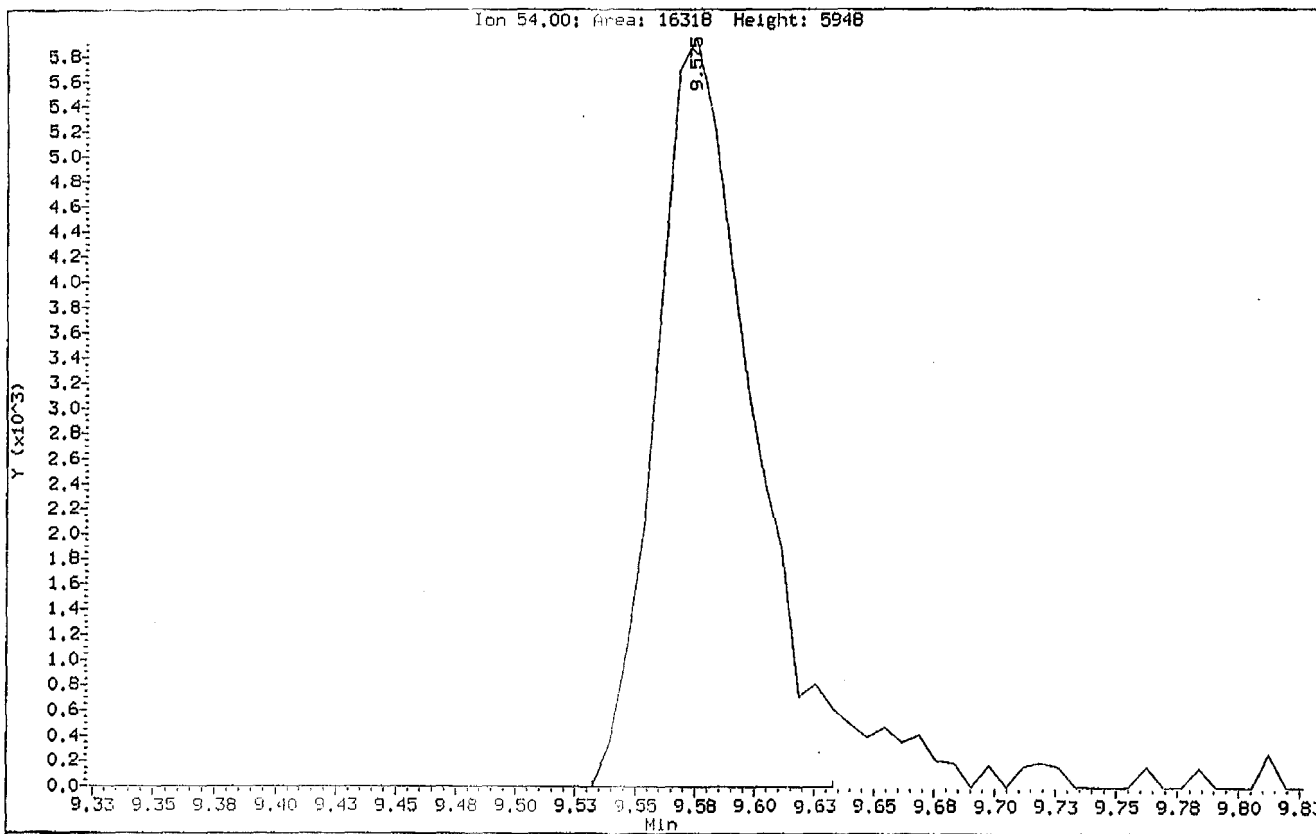
001688

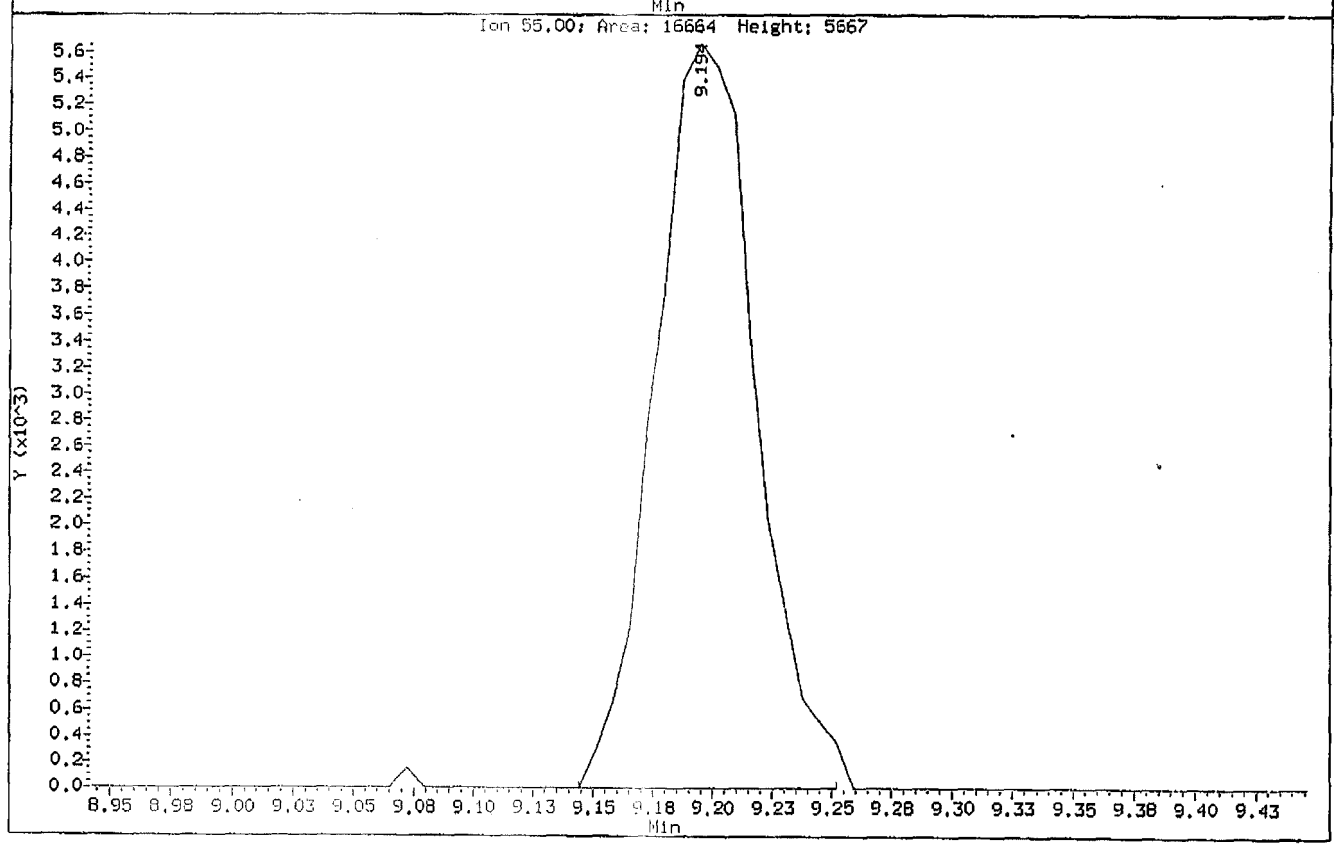
QC Flag Legend

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

Data File: /chem/hp7.i/H71107a.b/V7477.D
Injection Date: 07-NOV-2000 23:06
Instrument: hp7.i
Client Sample ID:

Compound: Propionitrile
CAS Number: 107-12-0

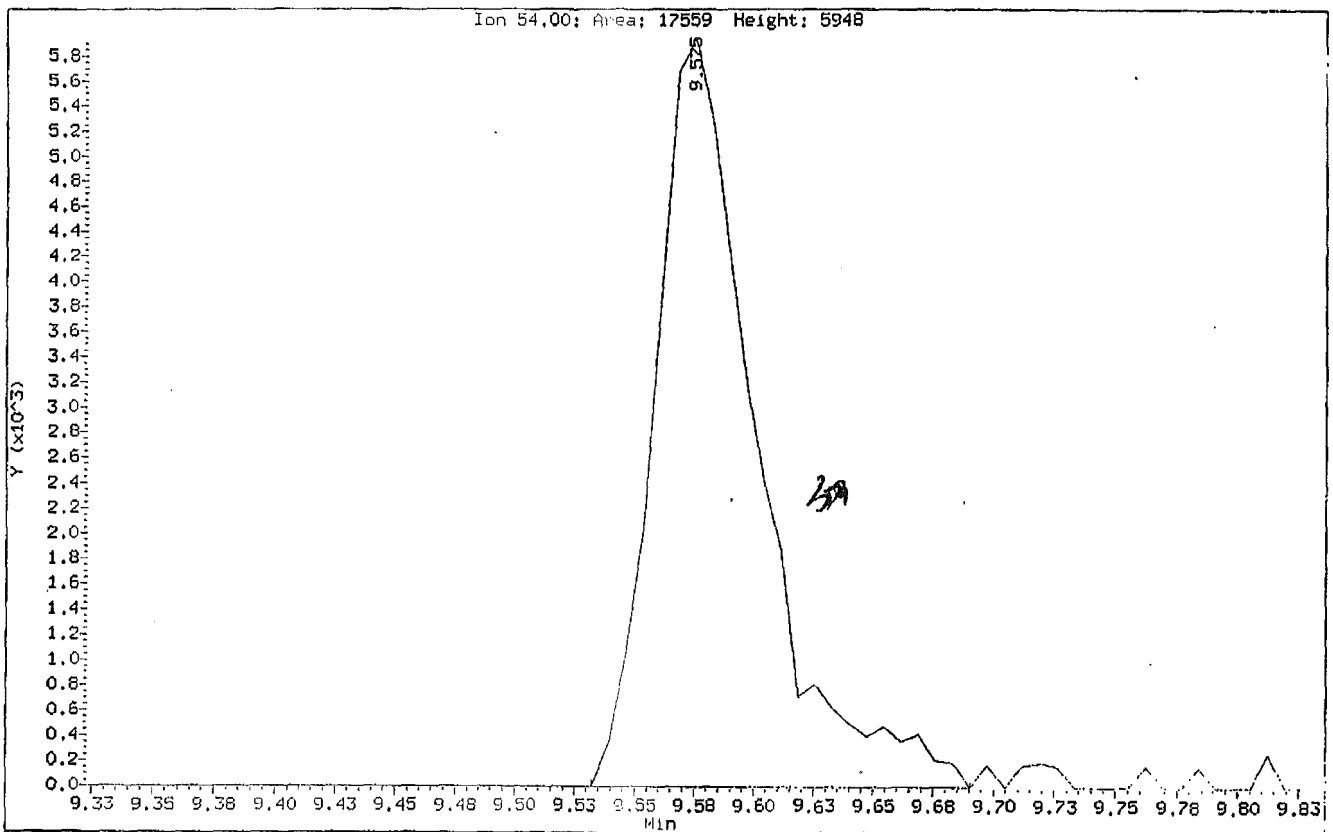


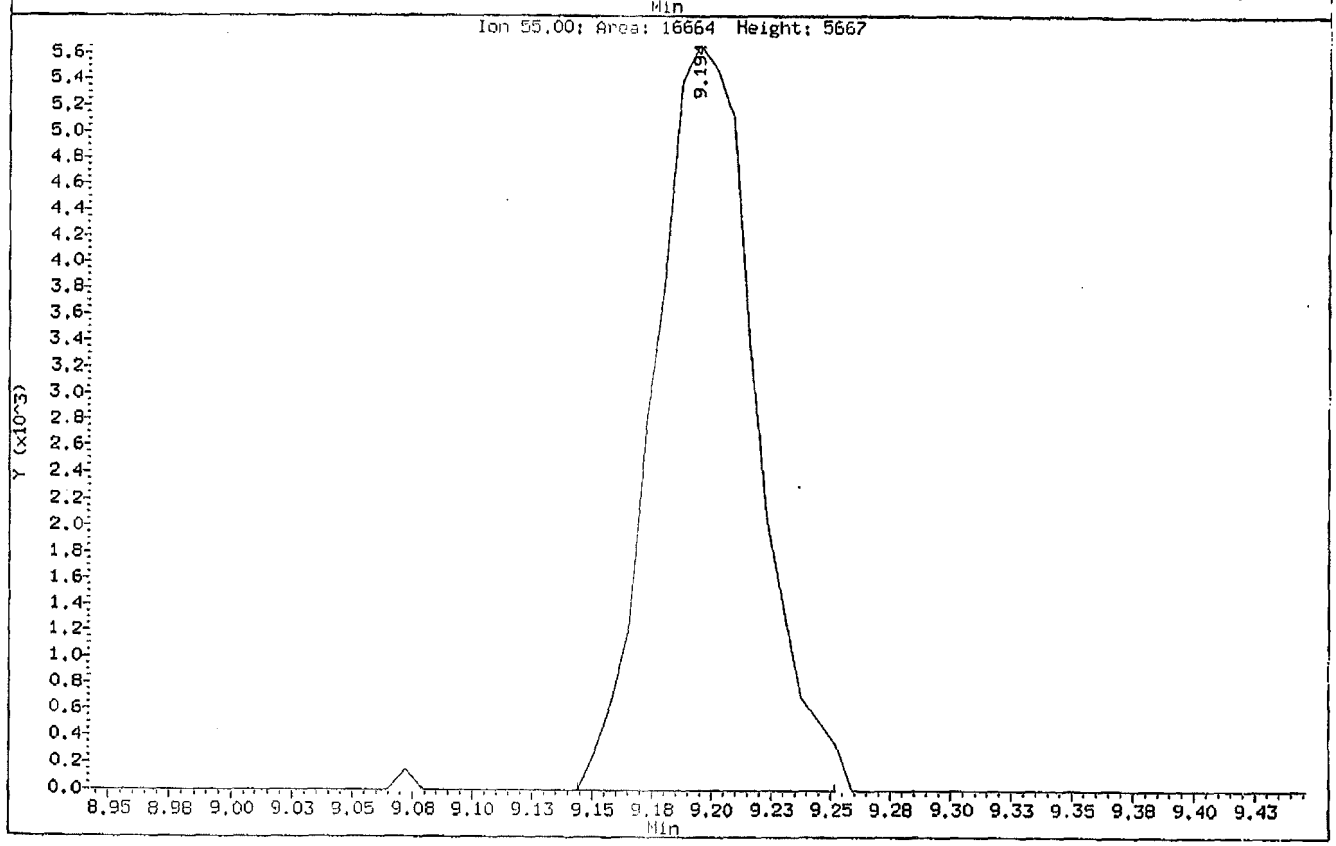


001630

Data File: /chem/hp7.i/H71107a.b/V7477.D
Injection Date: 07-NOV-2000 23:06
Instrument: hp7.i
Client Sample ID:

Compound: Propionitrile
CAS Number: 107-12-0





001691

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\V7477.D
Lab Smp Id: VSTD050 ap9/oxy
Inj Date : 07-NOV-2000 23:06
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD050 ap9/oxy;Barmbys;2;;4;;1
Misc Info : 2;SOIL;0;2ap9.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:31 auto Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2ap9.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
118 Acrolein	56	6.004	6.004	(0.519)	117614	500.000	567.950(A)
119 Iodomethane	142	6.564	6.564	(0.568)	172346	50.0000	48.1515
121 Allyl Chloride	76	6.924	6.924	(0.599)	104809	50.0000	64.8933
120 Acetonitrile	40	6.924	6.924	(0.599)	35881	50.0000	73.0914
122 Acrylonitrile	53	7.585	7.585	(0.656)	506591	500.000	689.874(A)
123 Chloroprene	53	8.627	8.627	(0.746)	341355	50.0000	54.4986
124 Propionitrile	54	9.575	9.575	(0.828)	16318	50.0000	50.5053
125 Methacrylonitrile	41	9.841	9.841	(0.851)	84249	50.0000	58.4074
127 Isobutanol	43	10.740	10.740	(0.929)	63111	500.000	558.924(A)
* 32 1,4-Difluorobenzene	114	11.559	11.559	(1.000)	644324	50.0000	
128 Methyl Methacrylate	41	12.493	12.493	(1.081)	128307	50.0000	52.7520
129 Ethyl Methacrylate	69	14.448	14.448	(1.250)	171962	50.0000	48.6525
* 50 Chlorobenzene-d5	117	16.216	16.216	(1.000)	499469	50.0000	
130 T-1,4-Dichloro-2-Butene	89	18.264	18.264	(0.922)	30812	50.0000	65.4713
* 72 1,4 Dichlorobenzene-d4	152	19.809	19.809	(1.000)	263083	50.0000	

QC Flag Legend

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

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: V7477.D
Lab Smp Id: VSTD050 ap9/oxy
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;2ap9.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	644324	15.65
50 Chlorobenzene-d5	506760	253380	1013520	499469	-1.44
72 1,4 Dichlorobenze	290615	145308	581230	263083	-9.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.56	-0.09
50 Chlorobenzene-d5	16.22	15.72	16.72	16.22	-0.02
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.81	-0.05

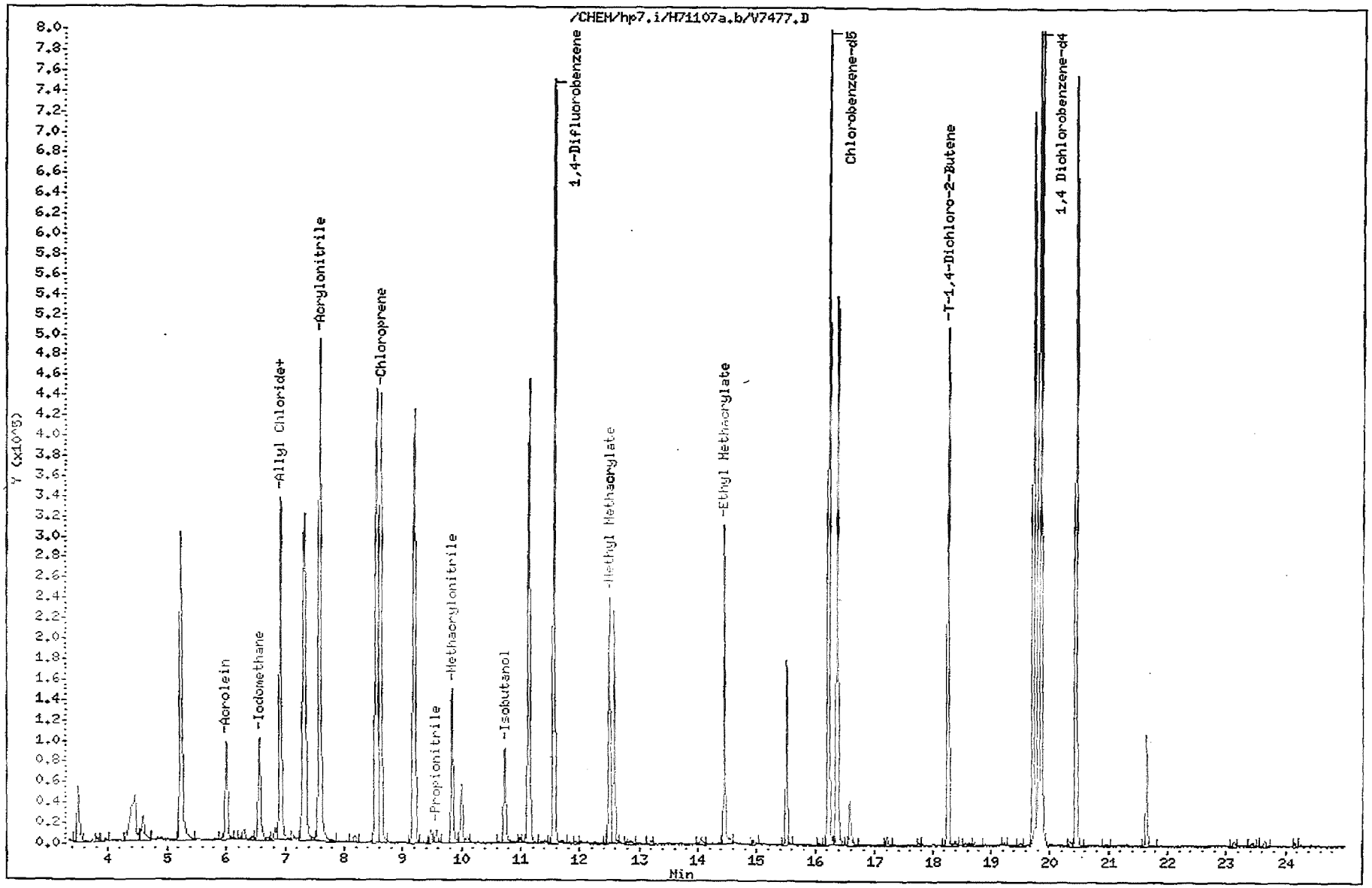
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /CHEM/hp7.i/H71107a.b/V7477.D
Date : 07-NOV-2000 23:06
Client ID:
Sample Info: VSTD050 ap9/oxy;Barmbys;2;;4;;1

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



BOE-C6-0175233

001697

STL Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp7.i
Lab File ID: V7477b.D
Analysis Type: SOIL
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 07-NOV-2000 23:06
Init. Calibration Date(s): 02/17/0 11/02/0
Init. Calibration Times: 17:52 15:26
ap9/oxy Method File: \chem\hp7.i\H71107a.b\8260S.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
7 t-Butanol	0.024	0.035	0.001	-48.1	50.0
19 t-Butyl-ethyl-ether	0.727	0.708	0.010	2.6	50.0
16 Isopropyl ether	0.781	0.759	0.010	2.8	50.0
26 t-Amyl-methyl-ether	0.641	0.612	0.010	4.5	50.0

11/8/00

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107a.b\V7477b.D
Lab Smp Id: VSTD050 ap9/oxy
Inj Date : 07-NOV-2000 23:06
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD050 ap9/oxy;Barmbys;2;;4;;1
Misc Info : 2;SOIL;0;3oxys.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:39 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3oxys.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
7 t-Butanol	59	7.333	7.333	(0.634)	566524	1250.00	1851.80(A)
19 t-Butyl-ethyl-ether	59	9.194	9.194	(0.795)	457033	50.0000	48.7080
16 Isopropyl ether	45	8.548	8.548	(0.739)	490230	50.0000	48.6042
26 t-Amyl-methyl-ether	73	11.135	11.135	(0.963)	394946	50.0000	47.7362
* 32 1,4-Difluorobenzene	114	11.559	11.559	(1.000)	645748	50.0000	
* 50 Chlorobenzene-d5	117	16.216	16.216	(1.000)	500257	50.0000	
* 72 1,4 Dichlorobenzene-d4	152	19.809	19.809	(1.000)	263081	50.0000	

QC Flag Legend

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

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: V7477b.D
Lab Smp Id: VSTD050 ap9/oxy
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;3oxys.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2306

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	644324	322162	1288648	645748	0.22
50 Chlorobenzene-d5	499469	249735	998938	500257	0.16
72 1,4 Dichlorobenze	263083	131542	526166	263081	-0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.56	0.00
50 Chlorobenzene-d5	16.22	15.72	16.72	16.22	0.00
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	0.00

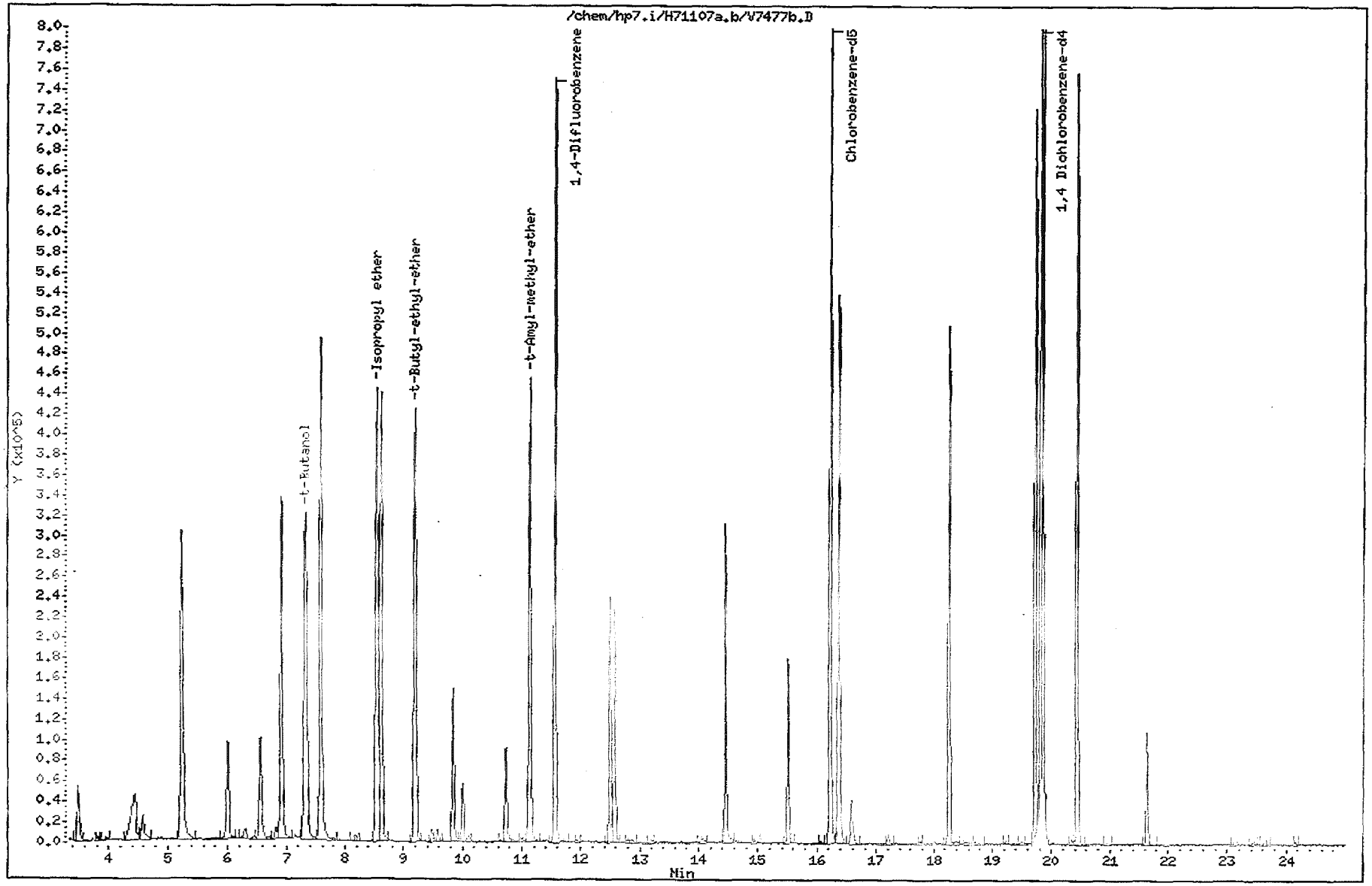
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/hp7.i/H71107a.b/V7477b.D
Date : 07-NOV-2000 23:06
Client ID:
Sample Info: VSTD050 . ap9/oxy;Barmbys;2;;4;;1

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



BOE-C6-0175237

001659

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107a.b\W7280.D
Lab Smp Id: VBLK07
Inj Date : 08-NOV-2000 01:17
Operator : Barmbys Inst ID: hp7.i
Smp Info : VBLK07;Barmbys;0;;;;5
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.301	6.301	(0.545)	6266	5.67864	5.67864 (M) (1) SDB 11/9/00
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43	9.478	9.485	(0.820)	1417	1.03608	1.03608 (M) 11/9/00
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.857	10.872	(0.939)	227739	48.0913	48.0913
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73.00	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	11.562	11.569	(1.000)	595714	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (Xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.948	13.955	(1.206)	620011	45.1169	45.1169
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(Xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
52	1-Chlorohexane	91	16.211	16.161	(1.000)	~~.1106~~	~~0.24153~~	~~0.241526~~ ND
* 50	Chlorobenzene-d5	117	16.211	16.218	(1.000)	470547	50.0000	
51	Chlorobenzene (**)	112.00	Compound Not Detected.					
53	1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54	Ethylbenzene (*)	106.00	Compound Not Detected.					
55	Xylenes (m,p)	106.00	Compound Not Detected.					
M 132	Xylenes (Total)	106.00	Compound Not Detected.					
56	Xylene (o)	106.00	Compound Not Detected.					
57	Styrene	104.00	Compound Not Detected.					
58	Bromoform (**)	173.00	Compound Not Detected.					
59	Isopropylbenzene	105.00	Compound Not Detected.					
$ 60	4-Bromofluorobenzene	95	18.015	18.015	(1.111)	218385	42.3610	42.3610
62	1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130	T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63	1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61	Bromobenzene	156.00	Compound Not Detected.					
64	N-Propylbenzene	91.00	Compound Not Detected.					
65	2-Chlorotoluene	91.00	Compound Not Detected.					
67	1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66	4-Chlorotoluene	91.00	Compound Not Detected.					
68	T-Butylbenzene	119.00	Compound Not Detected.					
69	1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70	Sec-Butylbenzene	105.00	Compound Not Detected.					
73	P-Isopropyltoluene	119.00	Compound Not Detected.					
71	1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72	1,4 Dichlorobenzene-d4	152	19.812	19.819	(1.000)	222911	50.0000	
74	1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76	N-Butylbenzene	91.00	Compound Not Detected.					
75	1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77	1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78	1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79	Hexachlorobutadiene	225.00	Compound Not Detected.					
80	Naphthalene	128.00	Compound Not Detected.					
81	1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

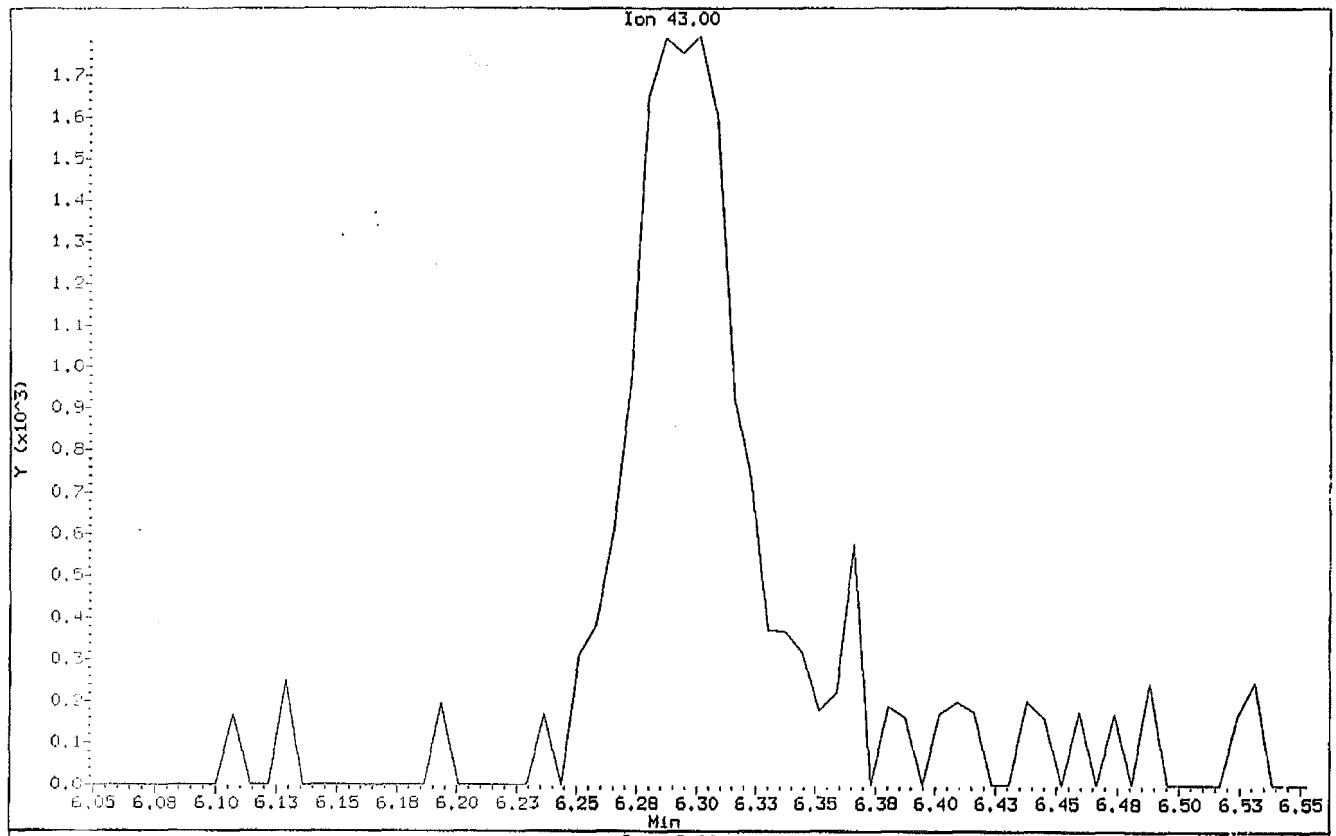
QC Flag Legend

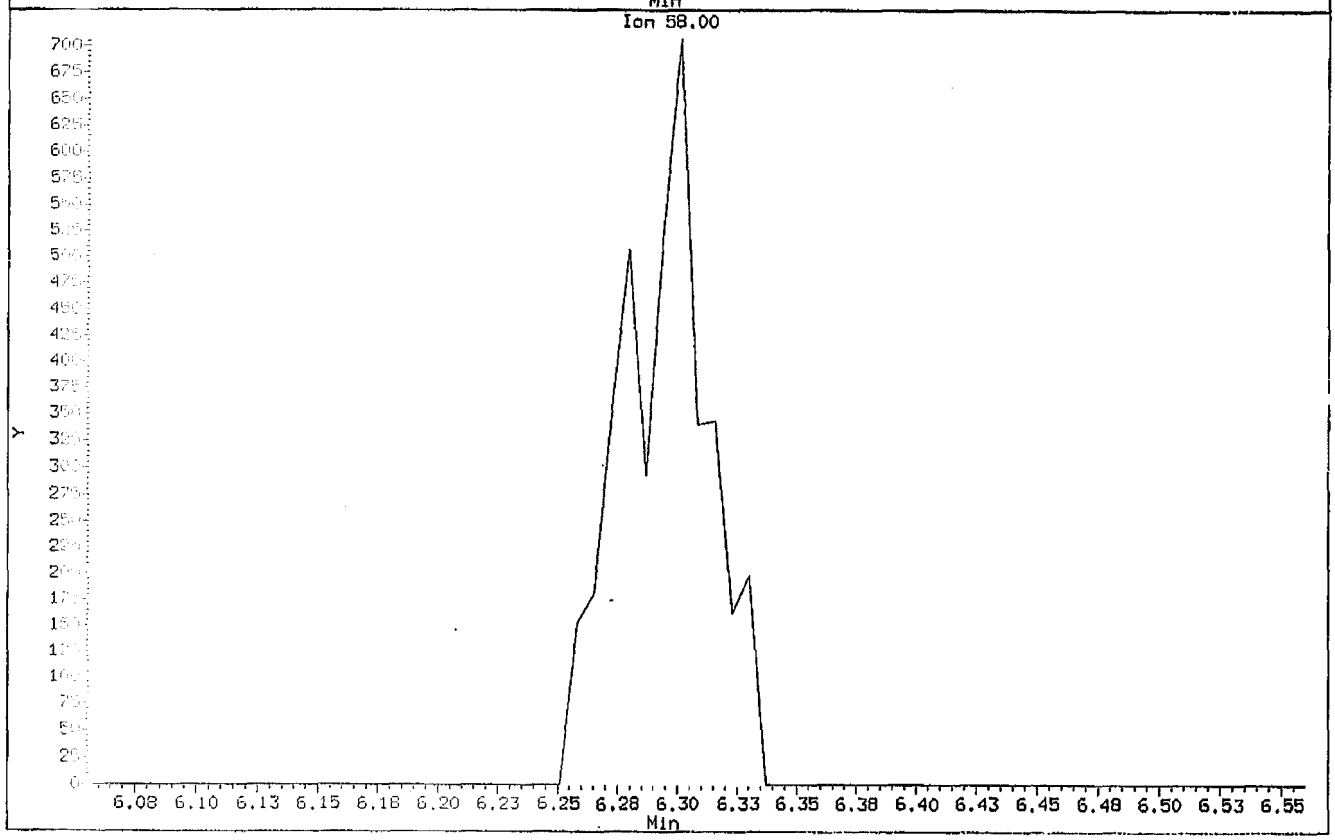
M - Compound response manually integrated.

0-peak not found

Data File: /chem/hp7.i/H71107a.b/W7280.D
Injection Date: 08-NOV-2000 01:17
Instrument: hp7.i
Client Sample ID:

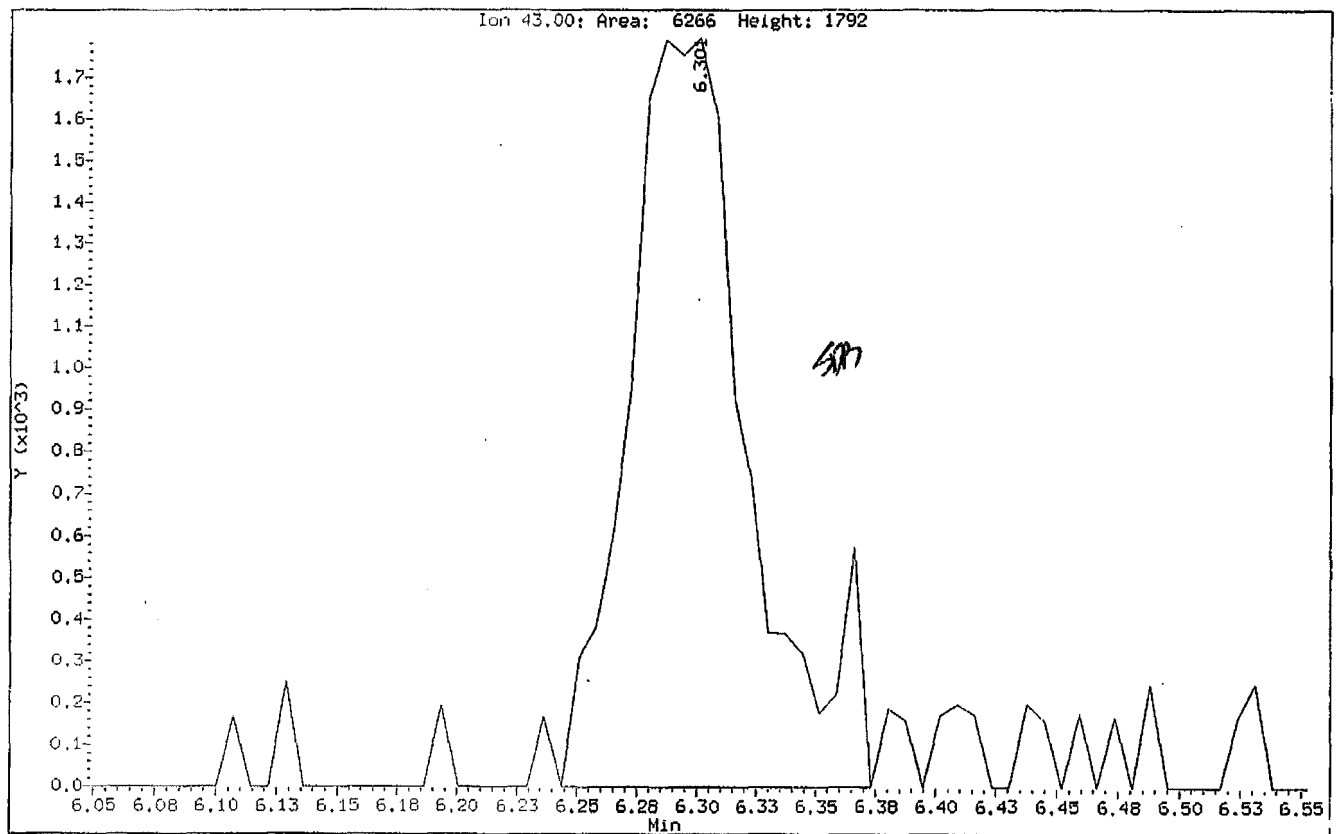
Compound: Acetone
CAS Number: 67-64-1

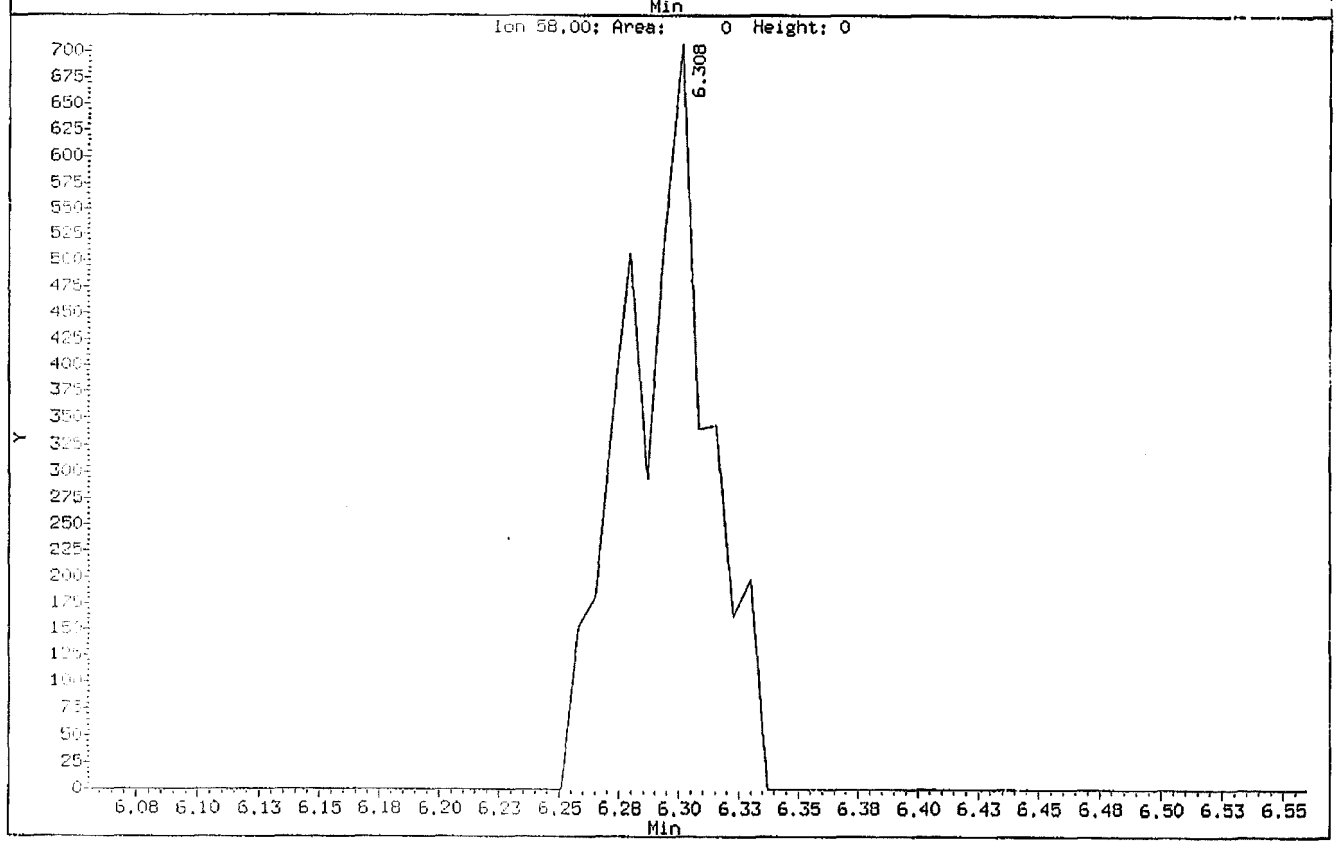




Data File: /chem/hp7.i/H71107a.b/W7280.D
Injection Date: 08-NOV-2000 01:17
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1

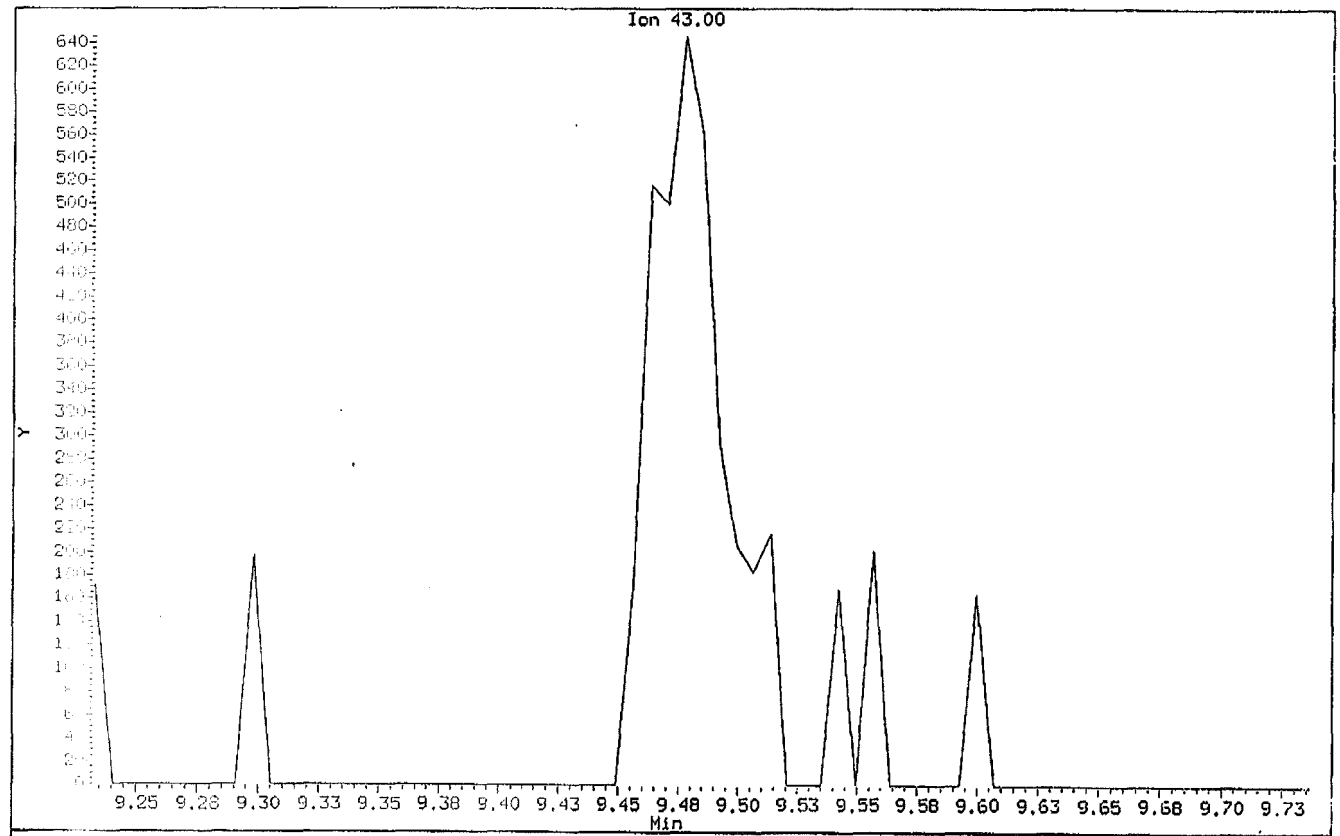


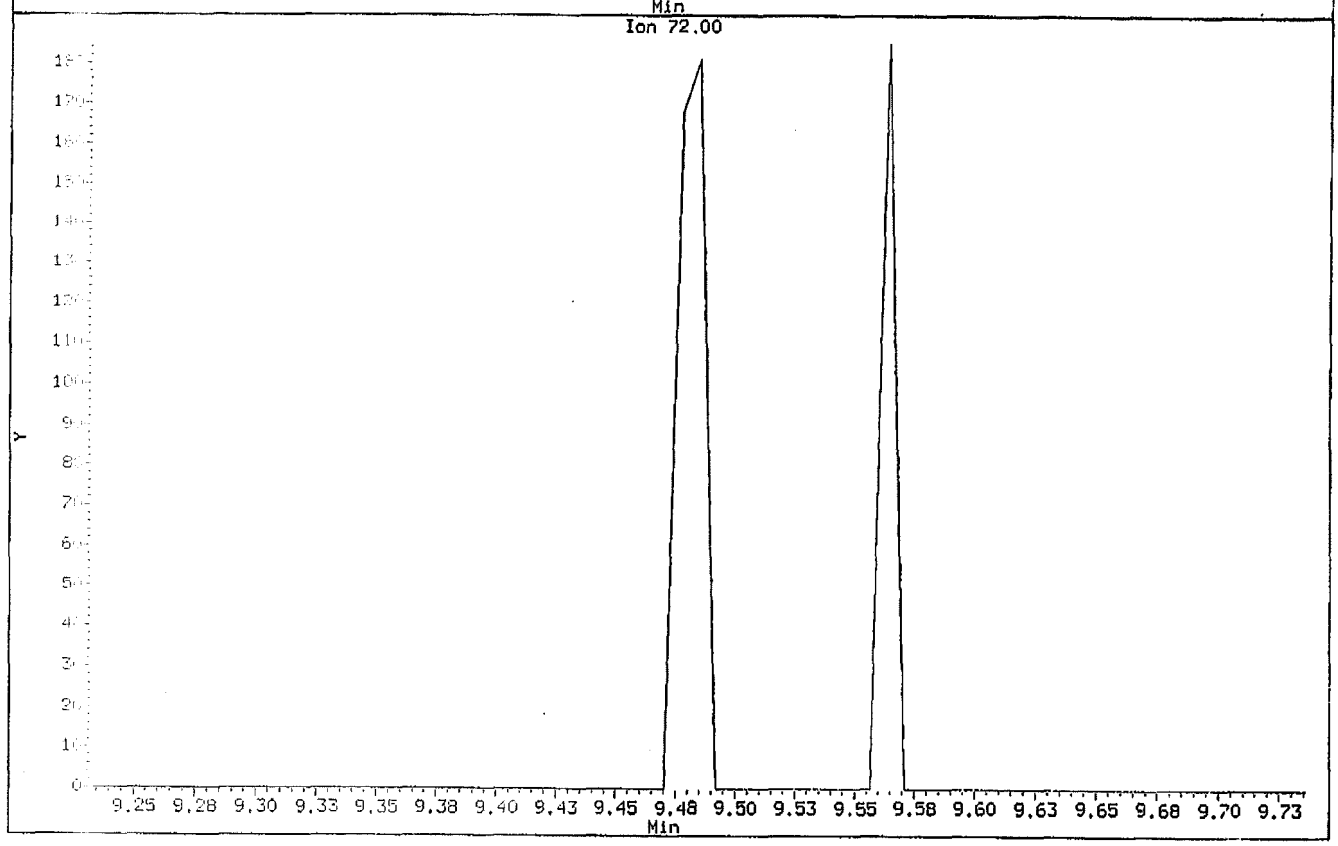


001704

Data File: /chem/hp7.i/H71107a.b/W7280.D
Injection Date: 08-NOV-2000 01:17
Instrument: hp7.i
Client Sample ID:

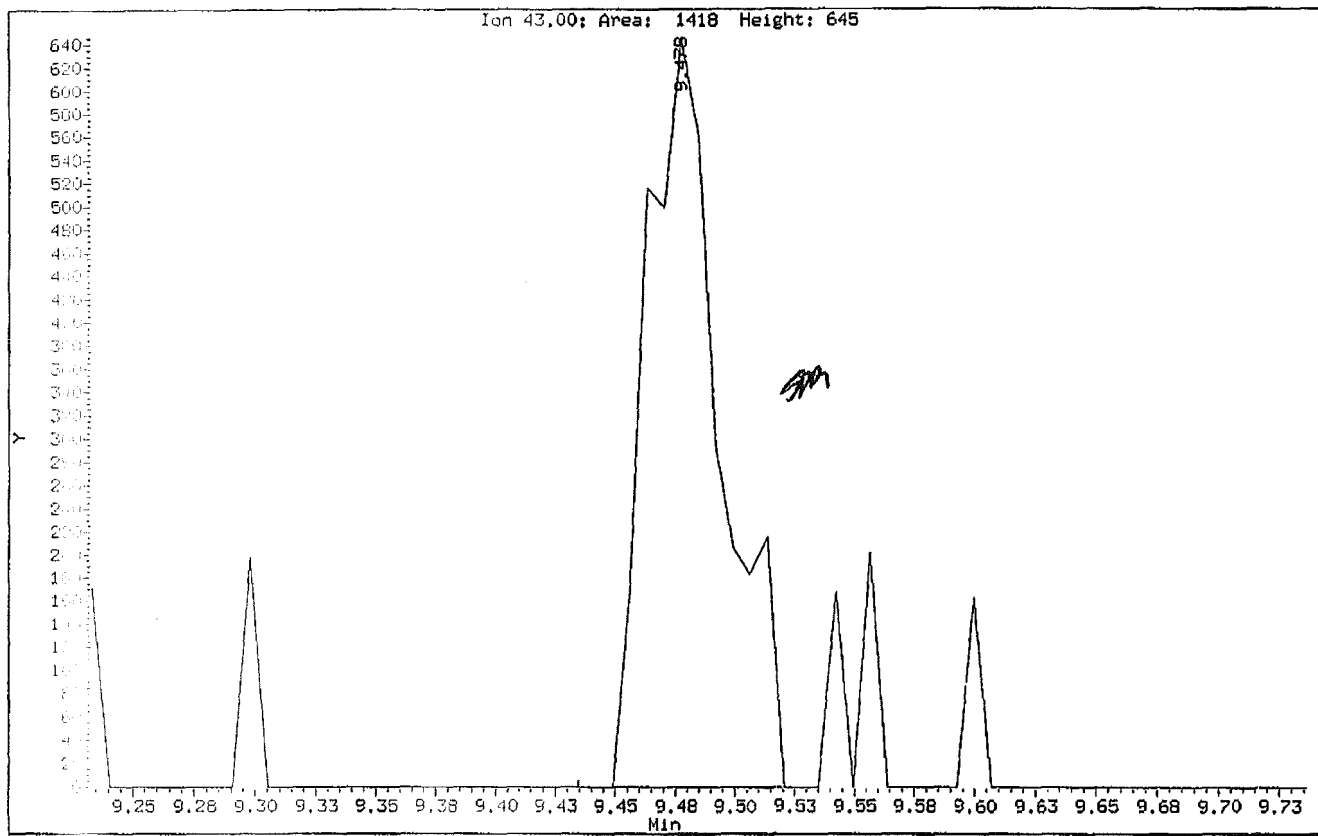
Compound: 2-Butanone
CAS Number: 78-93-3

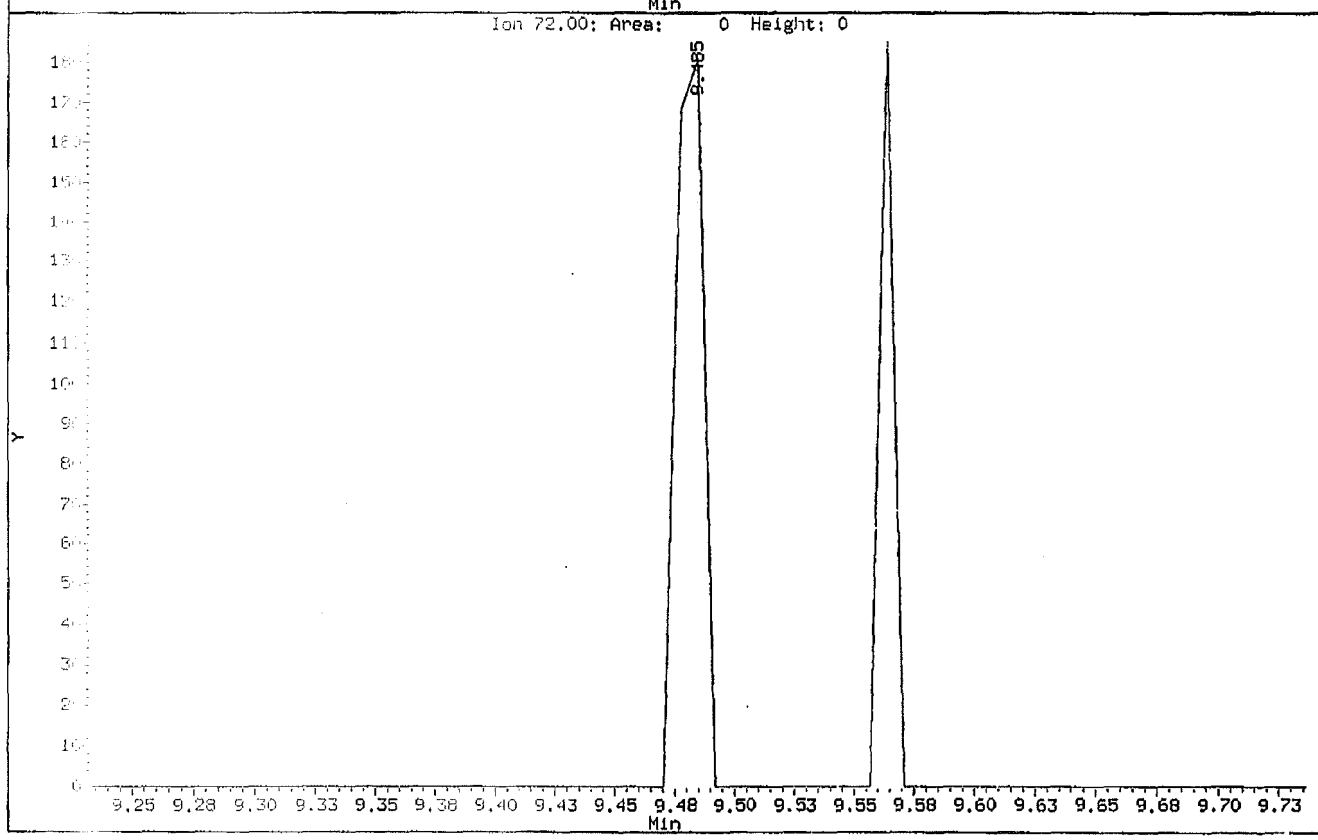




Data File: /chem/hp7.i/H71107a.b/W7280.D
Injection Date: 08-NOV-2000 01:17
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3





STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\W7280.D
Lab Smp Id: VBLK07
Inj Date : 08-NOV-2000 01:17
Operator : Barmbys Inst ID: hp7.i
Smp Info : VBLK07;Barmbys;0;;;;5
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

11/9/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloroethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromoethane	94.00	Compound Not Detected.					
5 Chloromethane	51.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,1-Dichloroethane (total)	96.00	Compound Not Detected.					
15 2-Ethyl-t-butyl-ether	73.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
	17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
	18 Vinyl Acetate	43.00	Compound Not Detected.					
	20 2,2-Dichloropropane	77.00	Compound Not Detected.					
	21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
	22 2-Butanone	43.00	Compound Not Detected.					
	23 Bromochloromethane	128.00	Compound Not Detected.					
	24 Chloroform (*)	83.00	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
	26 Carbon Tetrachloride	117.00	Compound Not Detected.					
	28 1,1-Dichloropropene	75.00	Compound Not Detected.					
$	29 1,2-Dichloroethane-d4	65	10.857	10.872	(0.939)	227739	48.0913	48.0913
	30 Benzene	78.00	Compound Not Detected.					
	31 1,2-Dichloroethane	62.00	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	11.562	11.569	(1.000)	595714	50.0000	
	33 Trichloroethene	95.00	Compound Not Detected.					
	34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
	35 1,4-Dioxane	88.00	Compound Not Detected.					
	36 Bromodichloromethane	83.00	Compound Not Detected.					
	37 Dibromomethane	93.00	Compound Not Detected.					
	38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
	39 trans-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
	40 Methyl Isobutyrate	43.00	Compound Not Detected.					
$	41 Toluene-d8	98	13.948	13.955	(1.206)	620011	45.1169	45.1169
	42 Toluene (*)	92.00	Compound Not Detected.					
	43 cis-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
	45 Tetrachloroethene	164.00	Compound Not Detected.					
	46 1,3-Dichloropropane	76.00	Compound Not Detected.					
	47 2-Hexanone	43.00	Compound Not Detected.					
	48 Dibromochloromethane	129.00	Compound Not Detected.					
	49 1,2-Dibromoethane	107.00	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	16.211	16.218	(1.000)	470547	50.0000	
	51 Chlorobenzene (**)	112.00	Compound Not Detected.					
	52 Ethylbenzene	91	16.211	16.161	(1.000)	1106	0.24153	0.241526
	53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
	54 m-Xylene	106.00	Compound Not Detected.					
M	132 Xylene (o-)	106.00	Compound Not Detected.					
	55 Styrene (*)	104.00	Compound Not Detected.					
	56 Xylene (m)	106.00	Compound Not Detected.					
	57 Xylene	106.00	Compound Not Detected.					
	58 Bromoform (*)	173.00	Compound Not Detected.					
	59 Isopropylbenzene	105.00	Compound Not Detected.					
$	60 Bromofluorobenzene	95	18.015	18.015	(1.111)	218385	42.3610	42.3610
	61 n-Propylbenzene	120.00	Compound Not Detected.					
	62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
	63 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
	64 1,4-Dichlorobenzene	146.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
65 2-Chlorotoluene	91.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.812	19.819	(1.000)	222911	50.0000	
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Naphthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107a.b\W7280.D
Lab Smp Id: VBLK07
Inj Date : 08-NOV-2000 01:17
Operator : Barmbys Inst ID: hp7.i
Smp Info : VBLK07;Barmbys;0;;;;5
Misc Info : 2;SOIL;0;08260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: W7280.D
Lab Smp Id: V71107
Analysis Type: VOA
Quant Type: ITTD
Operator: Barnes
M[illegible] File: \[illegible]m\hp7.i\H71107a.b\8260S.m
Misc Info: [illegible];;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenzene	557129	278565	1114258	595714	6.93
50 Chlorobenzene-d5	506760	253380	1013520	470547	-7.15
72 1,4 Dichlorobenzene	290615	145308	581230	222911	-23.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenzene	11.57	11.07	12.07	11.56	-0.06
50 Chlorobenzene-d5	16.22	15.72	16.72	16.21	-0.04
72 1,4 Dichlorobenzene	19.82	19.32	20.32	19.81	-0.04

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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: VBLK07
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: all.sub
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;Q82e0.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
29 1,2-Dichloroethane	50.0000	48.0913	96.18	75-125
41 Toluene-d8	50.0000	45.1169	90.23	75-125
60 4-Bromofluorobenze	50.0000	42.3610	84.72	80-120

STL Sacramento

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Samp Id: VBLK07
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /chem/hp7.i/H71107a.b/W7280.D

Date : 08-NOV-2000 01:17

Client ID:

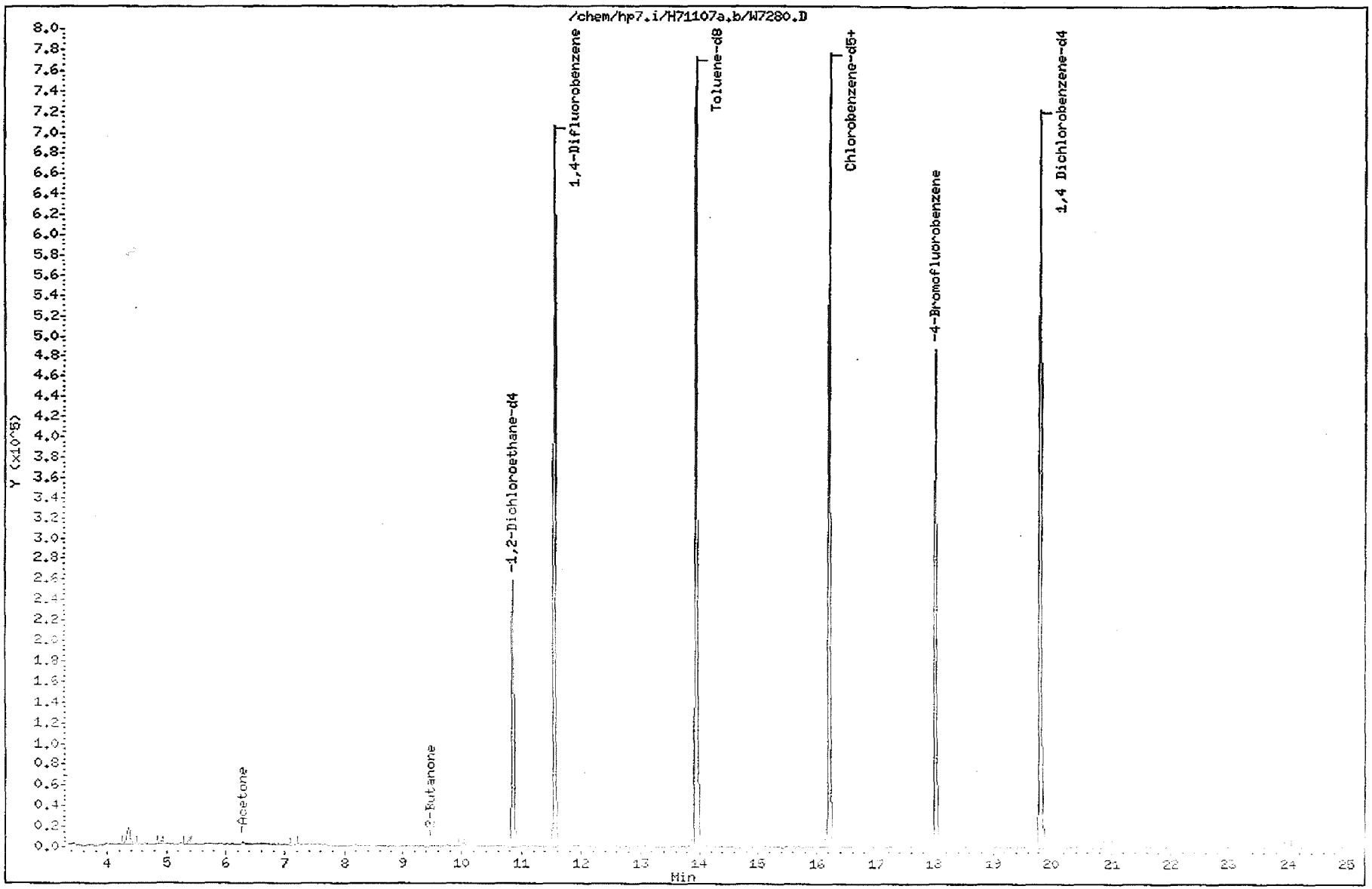
Sample Info: VBLK07;Barmbys;0;;;;5

Column phase:

Instrument: hp7.i

Operator: Barmbys

Column diameter: 0.53



BOE-C6-0175252

001124

Data File: /chem/hp7.i/H71107a.b/W7280.D

Date : 08-NOV-2000 01:17

Client ID:

Instrument: hp7.i

Sample Info: VBLK07;Barmbys;0;;;;5

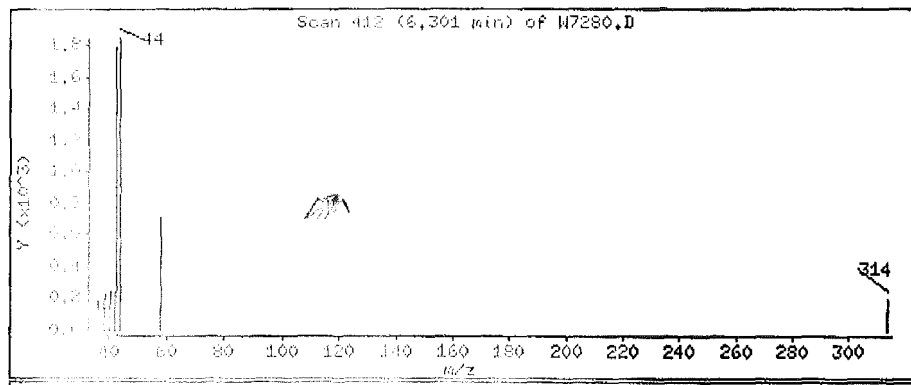
Operator: Barmbys

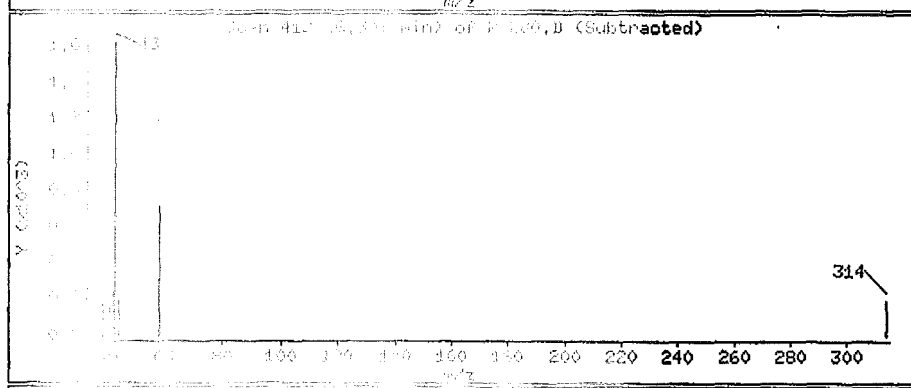
Column phase:

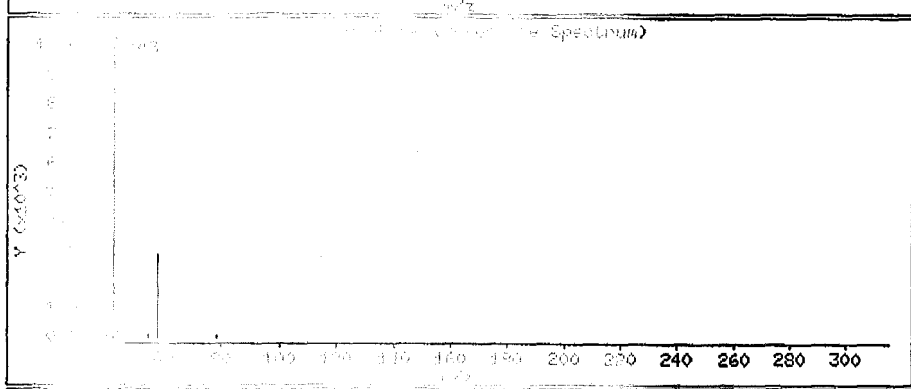
Column diameter: 0.53

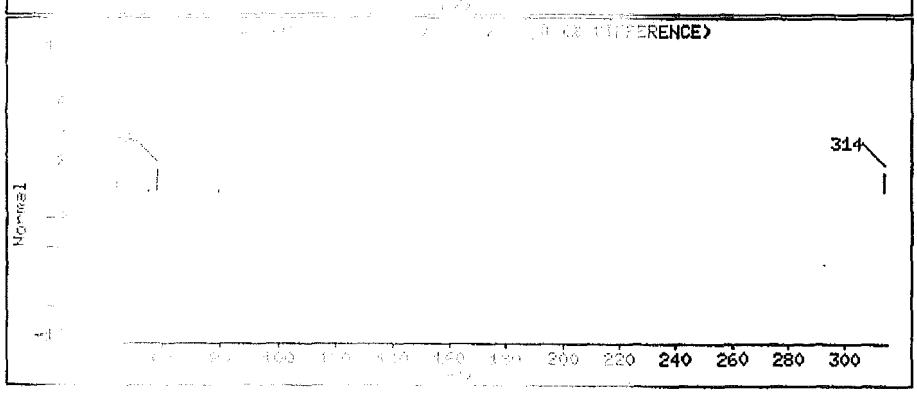
10 Acetone

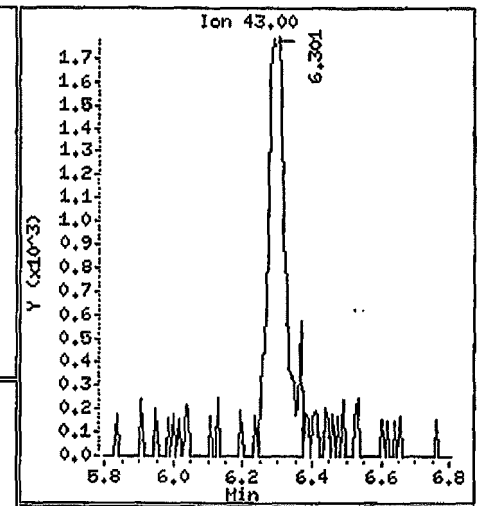
Concentration: 5.67864 ug/Kg

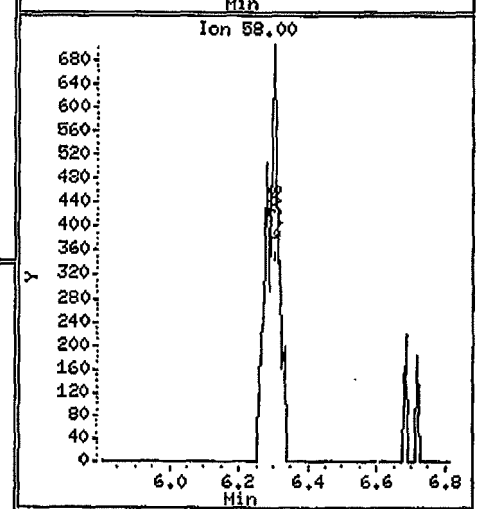












STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\D7094.D
Lab Smp Id: DCS1
Inj Date : 07-NOV-2000 23:46
Operator : Barnhys Inst ID: hp7.i
Smp Info : DCS1;barnhys;3;LCS;;;2
Misc Info : 3;SOIL;8260.sub;all.spk;1;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Method Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Alias Bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: STL2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Method Volume Purge
x	1.000	ng correction factor
Ws	5.000	Sample Weight

Compound	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	86	3.488	3.484	(0.302)	158915	39.2681	39.2681
[illegible]	[illegible]	3.818	3.822	(0.330)	180827	40.6078	40.6078
[illegible]	[illegible]	4.012	4.016	(0.347)	211131	43.2739	43.2738
4 [illegible]	[illegible]	4.602	4.598	(0.398)	133072	44.0361	44.0361
5 [illegible]	[illegible]	4.774	4.770	(0.413)	139998	46.6293	46.6293
6 [illegible] trifluoromethane	131	5.241	5.245	(0.453)	384776	47.3005	47.3005
8 [illegible] tetrachloroethene(*)	96	6.247	6.251	(0.540)	186651	46.6424	46.6424
9 [illegible] trichlorotrifluoroethane	101	6.226	6.222	(0.538)	217917	59.8665	59.8665
10 [illegible]	43	6.305	6.301	(0.545)	60206	54.2304	54.2304
11 [illegible] disulfide	76	6.736	6.732	(0.582)	552348	55.8000	55.8000
12 [illegible] chloride	84	7.160	7.163	(0.619)	203603	48.1683	48.1683
13 [illegible]	97	8.195	8.198	(0.709)	227717	54.9436	54.9436
14 [illegible] 1,2-Dichloroethene	96	7.692	7.688	(0.665)	188368	45.1705	45.1705
M 15 [illegible] (Total)	[illegible]				373453	94.8812	94.8812
16 [illegible]	[illegible]	7.678	7.681	(0.664)	511064	53.2168	53.2168

		QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	1 [illegible] (**)	[illegible]	8.454	8.457	(0.731)	340761	46.9319	46.9319
	1 [illegible]	[illegible]	8.504	8.500	(0.735)	186321	120.169	120.168(R)
	2 [illegible]propane	[illegible]	9.496	9.499	(0.821)	327378	48.6039	48.6039
	2 [illegible]ethene	[illegible]	9.481	9.485	(0.820)	185085	49.7107	49.7107
	2 [illegible]	[illegible]	9.481	9.485	(0.820)	79806	57.9972	57.9972
	2 [illegible]	[illegible]	9.898	9.901	(0.856)	80849	49.7677	49.7677
	2 [illegible]	[illegible]	10.013	10.016	(0.866)	372546	48.6118	48.6118
	2 [illegible]ethane	[illegible]	10.372	10.376	(0.897)	331831	47.2191	47.2191
	2 [illegible]oride	[illegible]	10.667	10.663	(0.922)	295467	48.8098	48.8098
	2 [illegible]ropene	[illegible]	10.638	10.642	(0.920)	263927	48.0181	48.0181
$	2 [illegible]ane-d4	[illegible]	10.868	10.872	(0.940)	238159	49.9856	49.9856
	3 [illegible]	[illegible]	10.990	10.994	(0.950)	736988	49.0781	49.0781
	3 [illegible]ane	[illegible]	10.990	10.994	(0.950)	302193	48.5923	48.5923
*	3 [illegible]ene	[illegible]	11.565	11.569	(1.000)	599361	50.0000	
	3 [illegible]	[illegible]	12.025	12.029	(1.040)	202911	45.4094	45.4094
	3 [illegible]ane(*)	[illegible]	12.385	12.388	(1.071)	170789	49.0487	49.0487
	3 [illegible]	[illegible]	12.586	12.582	(1.088)	35838	1240.48	1240.48
	3 [illegible]	[illegible]	12.579	12.582	(1.088)	110794	50.2087	50.2087
	3 [illegible]ane	[illegible]	12.801	12.805	(1.107)	271073	49.6795	49.6795
	3 [illegible] ether	[illegible]	13.233	13.229	(1.144)	94223	59.0422	59.0422
	3 [illegible]ropene (xtr)	[illegible]	13.506	13.502	(1.168)	287782	49.7392	49.7392
	4 [illegible]	[illegible]	13.707	13.710	(1.185)	158340	60.7633	60.7633
$	4 [illegible]	[illegible]	13.951	13.955	(1.206)	693946	50.1897	50.1897
	4 [illegible]	[illegible]	14.059	14.062	(1.216)	495682	50.7000	50.7000
	4 [illegible]ropene(xt)	[illegible]	14.354	14.357	(1.241)	282642	50.9746	50.9746
	4 [illegible]	[illegible]	14.656	14.652	(1.267)	154114	52.1400	52.1400
	4 [illegible]	[illegible]	14.936	14.939	(0.921)	198471	46.0400	46.0400
	4 [illegible]	[illegible]	14.929	14.925	(0.921)	293940	48.3194	48.3194
	4 [illegible]	[illegible]	14.993	14.997	(0.925)	113629	55.2614	55.2614
	4 [illegible]ane	[illegible]	15.302	15.306	(0.944)	180289	47.3262	47.3262
	4 [illegible]	[illegible]	15.504	15.507	(0.956)	154629	47.2396	47.2396
*	5 [illegible]	[illegible]	16.215	16.218	(1.000)	554267	50.0000	
	5 [illegible])	[illegible]	16.265	16.261	(1.003)	555762	47.0590	47.0590
	5 [illegible]	[illegible]	16.157	16.161	(0.996)	293116	54.3415	54.3415
	5 [illegible]ethane	[illegible]	16.366	16.369	(1.009)	196044	47.6520	47.6520
	5 [illegible]	[illegible]	16.402	16.405	(1.012)	317026	47.6868	47.6868
M	13 [illegible]	[illegible]				1184345	144.740	144.740
	5 [illegible]	[illegible]	16.574	16.578	(1.022)	796971	96.0307	96.0307
	5 [illegible]	[illegible]	17.207	17.210	(1.061)	387374	48.7094	48.7094
	5 [illegible]	[illegible]	17.214	17.217	(1.062)	652949	49.3511	49.3511
	5 [illegible]	[illegible]	17.530	17.533	(1.081)	109323	50.4375	50.4375
	5 [illegible]	[illegible]	17.760	17.756	(1.095)	1040096	50.1797	50.1797
$	6 [illegible]ene	[illegible]	18.019	18.015	(1.111)	289068	47.6023	47.6023
	6 [illegible]	[illegible]	18.285	18.288	(0.923)	226616	46.6603	46.6603
	6 [illegible]ethane(**)	[illegible]	18.184	18.187	(0.918)	210903	51.2338	51.2338
	6 [illegible]ane	[illegible]	18.277	18.281	(0.923)	237921	48.4741	48.4741
	6 [illegible]	[illegible]	18.392	18.396	(0.929)	1368337	48.3586	48.3586

Compounds	QC	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
69 4-Chlorotoluene		91	18.565	18.568	(0.937)	799855	47.5264	47.5264
69 4-Chlorotoluene		91	18.723	18.726	(0.945)	845254	47.0063	47.0063
69 1,3,5-Trimethylbenzene		105	18.644	18.647	(0.941)	946209	48.2493	48.2493
69 t-Butylbenzene		119	19.169	19.172	(0.968)	778157	47.6458	47.6458
69 1,2,4-Trimethylbenzene		105	19.233	19.237	(0.971)	972814	48.4592	48.4592
70 sec-Butylbenzene		105	19.506	19.510	(0.985)	1202362	48.5427	48.5427
71 1,3-Dichlorobenzene		146	19.722	19.725	(0.996)	503626	47.0657	47.0657
* 72 1,4-Dichlorobenzene-d4		152	19.808	19.819	(1.000)	317053	50.0000	
73 p-Isopropyltoluene		119	19.708	19.711	(0.995)	1021014	48.5916	48.5916
74 1,4-Dichlorobenzene		146	19.851	19.855	(1.002)	492160	46.5229	46.5229
75 1,2-Dichlorobenzene		146	20.441	20.444	(1.032)	458325	47.4010	47.4010
76 n-Butylbenzene		91	20.340	20.343	(1.027)	1048249	47.9146	47.9146
77 1,2-Dibromo-3-chloropropane		75	21.634	21.637	(1.092)	48460	46.1478	46.1478
78 1,2,4-Trichlorobenzene		180	23.128	23.132	(1.168)	288493	46.3159	46.3159
79 Hexachlorobutadiene		225	23.437	23.441	(1.183)	154423	43.6809	43.6809
80 Naphthalene		128	23.639	23.642	(1.193)	682955	46.0070	46.0070
81 1,2,3-Trichlorobenzene		180	24.149	24.152	(1.219)	264425	45.1643	45.1642

QC flag legend

R - Surrogate failed recovery limits.

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: D7094.D
Lab Smp Id: DCS1
Analysis Type: VOA
Quant Type: ISTD
Operator: Ramahys
Method File: \CHEM\hp7.i\H71107a.b\8260S.m
Min Area: 0;[illegible];0;Q8[illegible].sub;all.spk;1;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
3[illegible] 1,4-Difluorobenze	557139	278565	1114258	599361	7.58
[illegible]-d5	506760	253380	1013520	554267	9.37
7[illegible]robenze	290615	145308	581230	317053	9.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
3[illegible] 1,4-Difluorobenze	11.57	11.07	12.07	11.57	-0.03
[illegible]-d5	16.22	15.72	16.72	16.21	-0.02
7[illegible] 1,2-Dichlorobenze	19.8[illegible]	19.32	20.32	19.81	-0.05

AR[illegible] = +100% of internal standard area.
A[illegible] = - 50% of internal standard area.
RT[illegible] + 0.50 minutes of internal standard RT.
RT[illegible] - 0.50 minutes of internal standard RT.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: [illegible]
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Spklist File: [illegible].spk
Method File: \[illegible].i\H71107a.b\8260S.m
Misc Info: [illegible] all.spk;1;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: LCS
Quant Type: ISTD

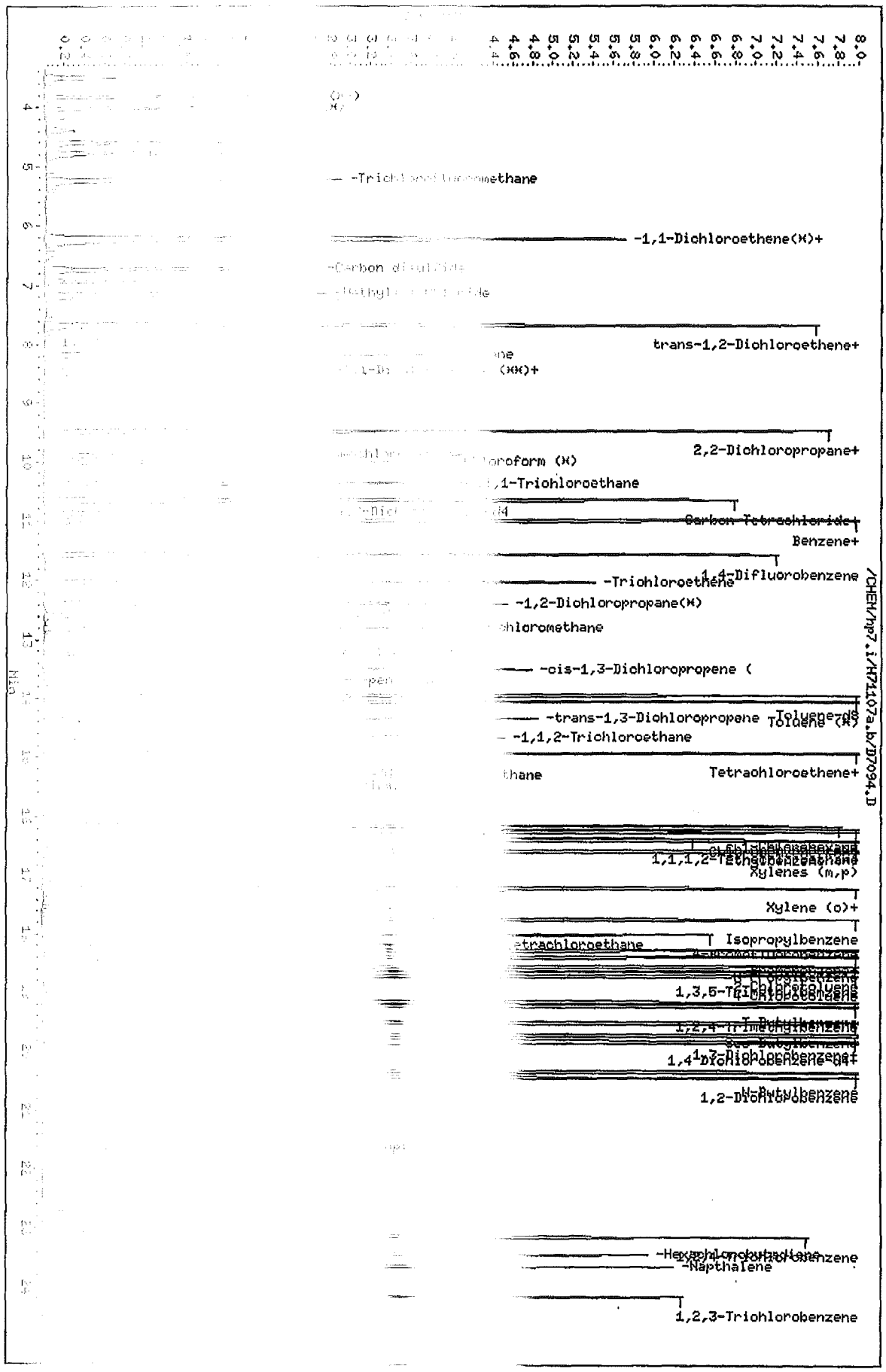
SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1 [illegible]orome	50.0000	39.2681	78.54	70-130
2 [illegible] (**)	50.0000	40.6078	81.22	70-130
3 Vinyl Chloride (*)	50.0000	43.2738	86.55	70-130
4 [illegible]	50.0000	44.0361	88.07	70-130
5 [illegible]	50.0000	46.6293	93.26	70-130
6 [illegible]ormet	50.0000	47.3005	94.60	70-130
[illegible]	50.0000	59.8665	119.73	70-130
[illegible]	50.0000	46.6424	93.28	70-130
10 Acetone	50.0000	54.2304	108.46	70-130
11 Carbon Disulfide	50.0000	55.8000	111.60	70-130
12 [illegible]	50.0000	48.1683	96.34	70-130
13 [illegible]-butyl-eth	50.0000	53.2168	106.43	70-130
14 trans-1,3-Dichloro	50.0000	45.1705	90.34	70-130
17 1,1-Dichloroethane	50.0000	46.9319	93.86	70-130
18 [illegible]	50.0000	120.168	240.34*	70-130
[illegible]	50.0000	57.9972	115.99	70-130
21 [illegible]loroet	50.0000	49.7107	99.42	70-130
22 [illegible]ropen	50.0000	48.6039	97.21	70-130
[illegible]ne	50.0000	49.7677	99.54	70-130
[illegible]	50.0000	48.6118	97.22	70-130
[illegible]	50.0000	47.2191	94.44	70-130
[illegible]	50.0000	48.0181	96.04	70-130
[illegible]	50.0000	48.8098	97.62	70-130
[illegible]	50.0000	49.0781	98.16	70-130
[illegible]ne	50.0000	48.5923	97.18	70-130
[illegible]	50.0000	45.4094	90.82	70-130
3[illegible]	50.0000	49.0487	98.10	70-130
33 [illegible]	50.0000	50.2087	100.42	70-130
[illegible]	1250.00	1240.48	99.24	70-130
[illegible]thal	50.0000	49.6795	99.36	70-130
[illegible]	50.0000	59.0422	118.08	70-130
[illegible]	50.0000	49.7392	99.48	70-130
4[illegible]	50.0000	60.7633	121.53	70-130

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
42 [illegible]	50.0000	50.7000	101.40	70-130
43 [illegible]	50.0000	50.9746	101.95	70-130
44 [illegible]	50.0000	52.1400	104.28	70-130
46 [illegible]	50.0000	48.3194	96.64	70-130
46 [illegible]	50.0000	46.0400	92.08	70-130
47 [illegible]	50.0000	55.2614	110.52	70-130
[illegible]	50.0000	47.3262	94.65	70-130
[illegible]	50.0000	47.2396	94.48	70-130
51 [illegible]	50.0000	47.0590	94.12	70-130
53 [illegible]	50.0000	47.6520	95.30	70-130
54 [illegible]	50.0000	47.6868	95.37	70-130
55 [illegible]	10[illegible].000	96.0307	96.03	70-130
56 [illegible]	50.0000	48.7094	97.42	70-130
57 [illegible]	50.0000	49.3511	98.70	70-130
58 [illegible]	50.0000	50.4375	100.87	70-130
59 [illegible]	50.0000	50.1797	100.36	70-130
[illegible]	50.0000	51.2338	102.47	70-130
[illegible]	50.0000	46.6603	93.32	70-130
[illegible]	50.0000	48.4741	96.95	70-130
[illegible]	50.0000	48.3586	96.72	70-130
[illegible]	50.0000	47.5264	95.05	70-130
[illegible]	50.0000	48.2493	96.50	70-130
[illegible]	50.0000	47.0063	94.01	70-130
[illegible]	50.0000	47.6458	95.29	70-130
[illegible]	50.0000	48.4592	96.92	70-130
[illegible]	50.0000	48.5427	97.09	70-130
[illegible]	50.0000	48.5916	97.18	70-130
[illegible]	50.0000	47.0657	94.13	70-130
[illegible]	50.0000	46.5229	93.05	70-130
[illegible]	50.0000	47.9146	95.83	70-130
[illegible]	50.0000	47.4010	94.80	70-130
[illegible]	50.0000	46.1478	92.30	70-130
[illegible]	50.0000	46.3159	92.63	70-130
[illegible]	50.0000	43.6809	87.36	70-130
[illegible]	50.0000	46.0070	92.01	70-130
[illegible]	50.0000	45.1642	90.33	70-130

SUR[illegible]	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
[illegible]	[illegible]0	49.9856	99.97	75-125
[illegible]	[illegible]0	50.1897	100.38	75-125
[illegible]	[illegible]0	47.6023	95.20	80-120

Data File: /CHEM/hp7.i/H71107a.b/D7094.D
Date : 07-NOV-2000 23:46
Client ID:
Sample Info: DCS1;Barnbys;3;LCS;;;2
Column phase:

Instrument: hp7.i
Operator: Barnbys
Column diameter: 0.53



001722

BOE-C6-0175260

Data File: [illegible]\ [illegible]1107a.[illegible]532.D
Report Date: [illegible]2:47

[illegible]TL Sacramento

[illegible]OLAT[illegible] [illegible]PORT low level 8260
Data file : [illegible]\ [illegible]1107 [illegible]532.D
Lab Smp Id:
Inj Date : [illegible]1:48
Operator : [illegible]
Sample Info : [illegible];Barmb[illegible];;;;2
Misc Info : [illegible]ub;;[illegible]
Comment
Method : [illegible]1107a [illegible]260S.m
Method Date : [illegible]40 [illegible]nw Quant Type: ISTD
Cal Date : [illegible]51 Cal File: V7450.D
Alias Table
Dil Factor : [illegible]
Integration Parameters [illegible]
Target Version : [illegible]
Processing Host : [illegible]

"NO [illegible]LE" TIC'S [illegible]NT

Compound Sublist: ALL.sub

Co[illegible] * D[illegible] *Uf/Ws

[illegible]	Des[illegible]ion
[illegible]	Di[illegible] Factor
[illegible]	[illegible]lume Purge
[illegible]	[illegible]tion factor
[illegible]	Sa[illegible]ight

Compound	SIG	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
[illegible]	[illegible]	[illegible]nd Not Detected.				
[illegible]	[illegible]	[illegible]nd Not Detected.				
[illegible]	[illegible]	[illegible]nd Not Detected.				
[illegible]	[illegible]	[illegible]nd Not Detected.				
[illegible]	[illegible]	[illegible]nd Not Detected.				
[illegible]	[illegible]	[illegible]nd Not Detected.				
11[illegible]	[illegible]	[illegible]nd Not Detected.				
[illegible]	[illegible]	[illegible]nd Not Detected.				
[illegible]	[illegible]	[illegible]nd Not Detected.				
10[illegible]	[illegible]	6.301	(0.545)	12946	12.5132	12.5132 (M)
11[illegible]	[illegible]	[illegible]nd Not Detected.				
[illegible]	[illegible]	[illegible]nd Not Detected.				
13[illegible]	[illegible]	[illegible]nd Not Detected.				
14[illegible]	[illegible]	[illegible]nd Not Detected.				
15[illegible]	[illegible]	[illegible]nd Not Detected.				

SCB 11/21/0

Compounds	SIG	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/kg)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
12[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
1[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
1[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
M 13[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
1[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
1[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
1[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
1[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
12[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
1[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
3[illegible]	[illegible]	[illegible]	9.485 (0.820)	1458	1.13717	1.13717 (2) SDB 11/9/00
3[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
2[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
12[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
12[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
2[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
2[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
3[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
2[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
2[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
12[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
$ 2[illegible]	[illegible]	[illegible]	[illegible].872 (0.940)	220513	49.6626	49.6626
3[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
3[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
12[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
2[illegible]	[illegible]	[illegible]	[illegible]135 (1.000)	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~ ND
* 3[illegible]	[illegible]	[illegible]	[illegible]369 (1.000)	558562	50.0000	
3[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
3[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
12[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
3[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
3[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
3[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
3[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
3[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
4[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
$ 4[illegible]	[illegible]	[illegible]	[illegible]55 (1.206)	587605	45.6028	45.6028
4[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
4[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
12[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
4[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
4[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
4[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
4[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
4[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		
4[illegible]	[illegible]	[illegible]	[illegible]	Not Detected.		

	Compounds	T SIG -S		TYP RT REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	52 [illegible]	91	1[illegible]	[illegible]6.161 (1.000)	~~1169~~	~~0.[illegible]~~	~~0.[illegible]~~ NM
*	50 [illegible]	17	1[illegible]	6.218 (1.000)	444354	50.0000	
	51 [illegible]	.00		[illegible]nd Not Detected.			
	53 [illegible]	.00		[illegible]nd Not Detected.			
	54 [illegible]	.00		[illegible]nd Not Detected.			
	55 [illegible]	.00		[illegible]nd Not Detected.			
M	132 [illegible]	.00		[illegible]nd Not Detected.			
	56 [illegible]	.00		[illegible]nd Not Detected.			
	57 [illegible]	.00		[illegible]nd Not Detected.			
	58 [illegible]	.00		[illegible]nd Not Detected.			
	59 [illegible]	.00		[illegible]nd Not Detected.			
$	60 [illegible]	[illegible]	18.[illegible]	[illegible].015 (1.111)	205147	42.1389	42.1389
	62 [illegible]	[illegible]0		[illegible]d Not Detected.			
	130 [illegible]	.00		[illegible]d Not Detected.			
	63 [illegible]	.00		[illegible]d Not Detected.			
	61 [illegible]	.00		[illegible] Not Detected.			
	64 [illegible]	.00		[illegible] Not Detected.			
	65 [illegible]	[illegible]0		[illegible] Not Detected.			
	67 [illegible]	[illegible]0		[illegible] Not Detected.			
	66 [illegible]	[illegible]		[illegible] Not Detected.			
	68 [illegible]	[illegible]		[illegible] Not Detected.			
	69 [illegible]	[illegible]		[illegible] Not Detected.			
	70 [illegible]	[illegible]0		[illegible] Not Detected.			
	73 [illegible]	[illegible]0		[illegible] Not Detected.			
	71 [illegible]	[illegible]00		[illegible] Not Detected.			
*	72 [illegible]	[illegible]	19.[illegible]	[illegible]19 (1.000)	219280	50.0000	
	74 [illegible]	[illegible]0		[illegible] Not Detected.			
	75 [illegible]	[illegible]0		[illegible] Not Detected.			
	76 [illegible]	[illegible]0		[illegible] Not Detected.			
	77 [illegible]	[illegible]		[illegible] Not Detected.			
	78 [illegible]	[illegible]0		[illegible] Not Detected.			
	79 [illegible]	[illegible]		[illegible] Not Detected.			
	80 [illegible]	[illegible]		[illegible] Not Detected.			
	81 [illegible]	[illegible]		[illegible] Not Detected.			

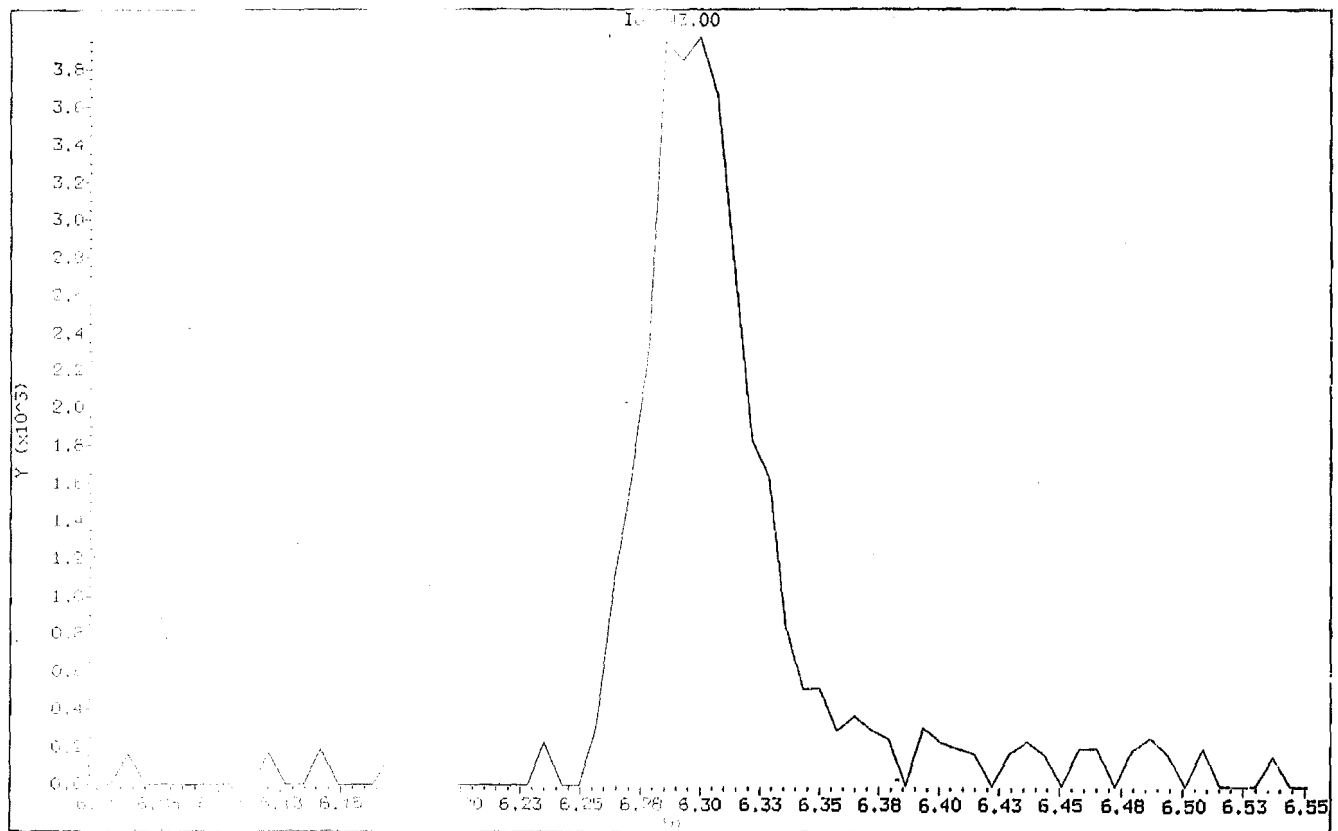
QC [illegible]

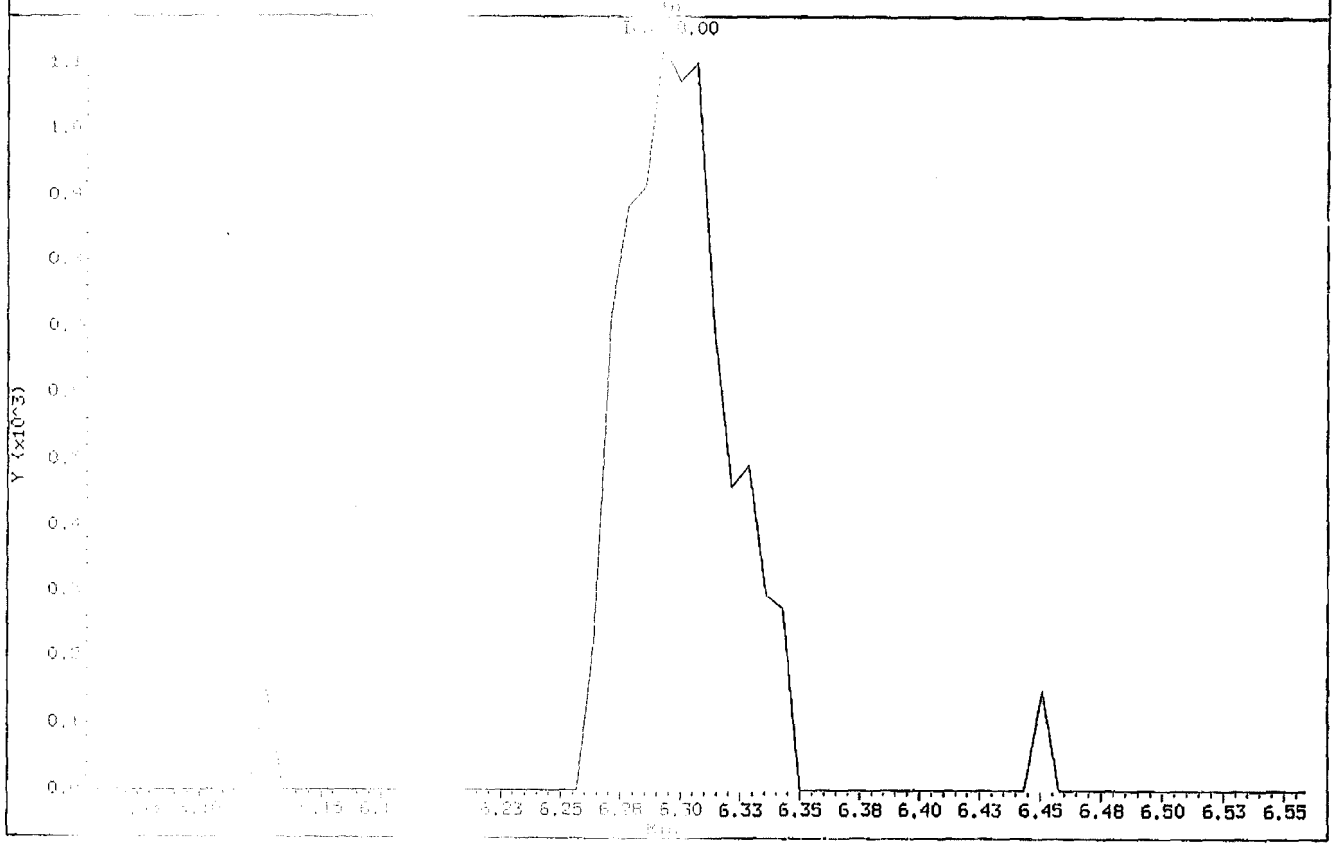
M - [illegible] [illegible]lly in[illegible]ed.

(M) - peak not found

Data File: [illegible]
Injection Date: [illegible]
Instrument: [illegible]
Client Sample ID: [illegible]

Compound: [illegible]
CAS Number: [illegible]

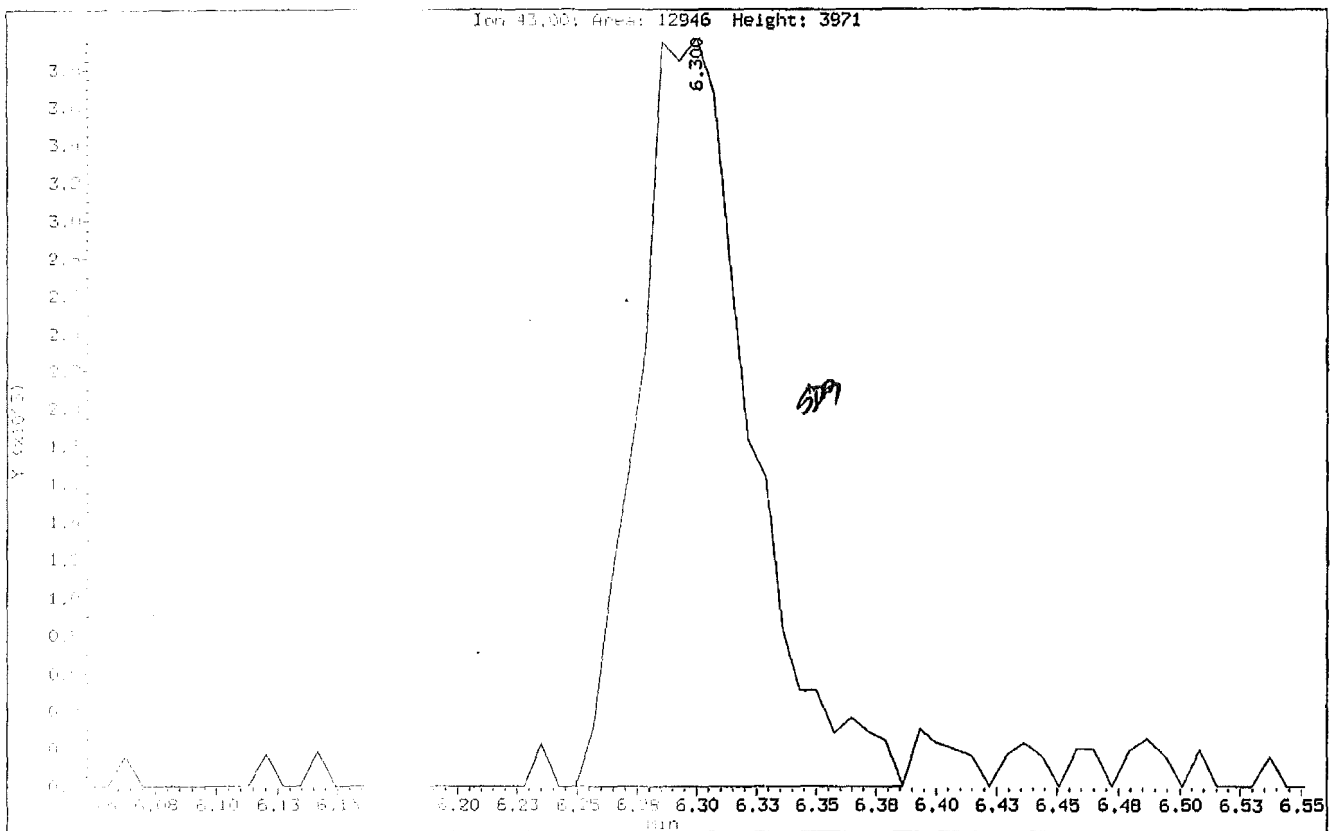


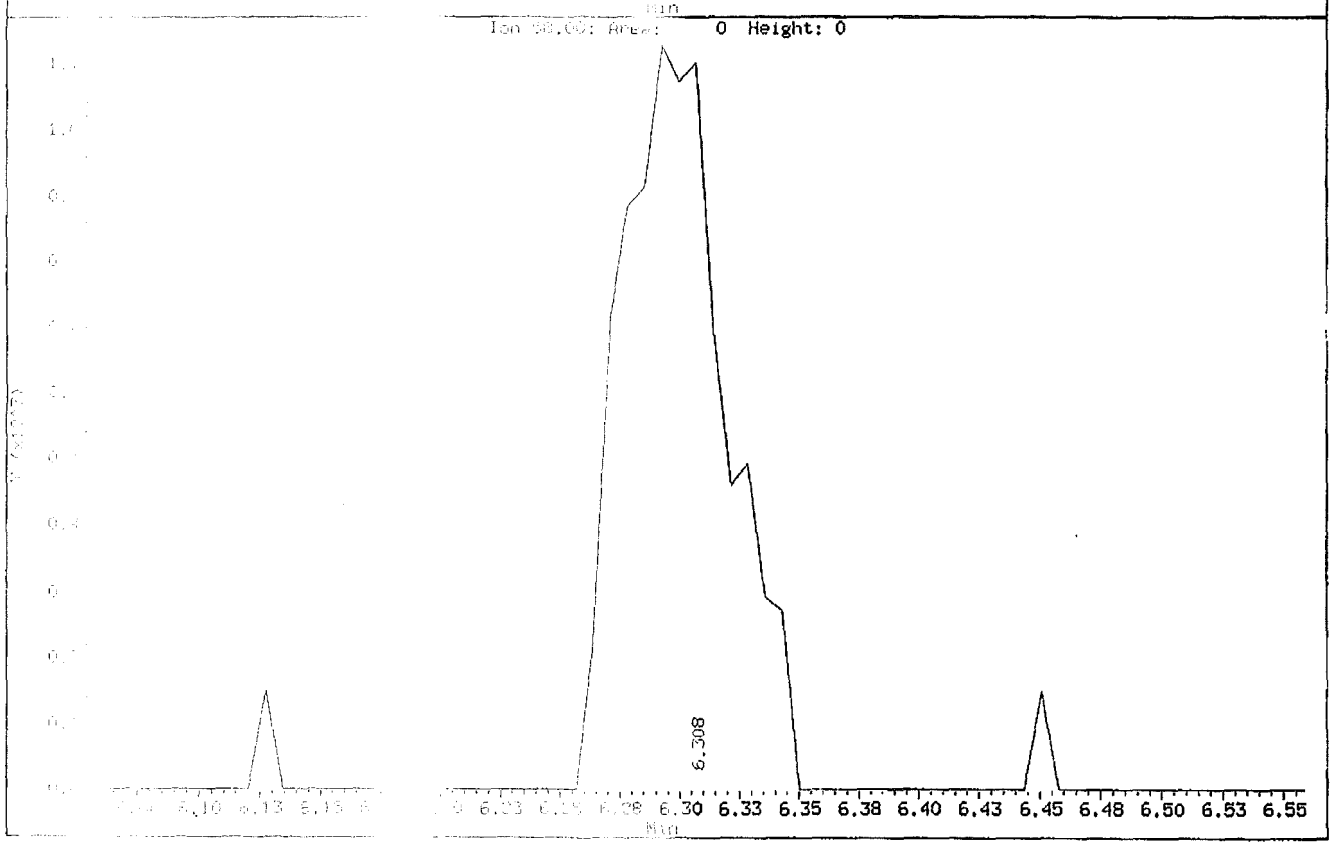


001726

Data File: /chem/hm7.1/H71107a.b .D
Inject[illegible] Date: 08-NOV-2000 01:[illegible]
Instr[illegible]: hm7.1
Client Sample ID:

Compound: Acetone
CAS [illegible]

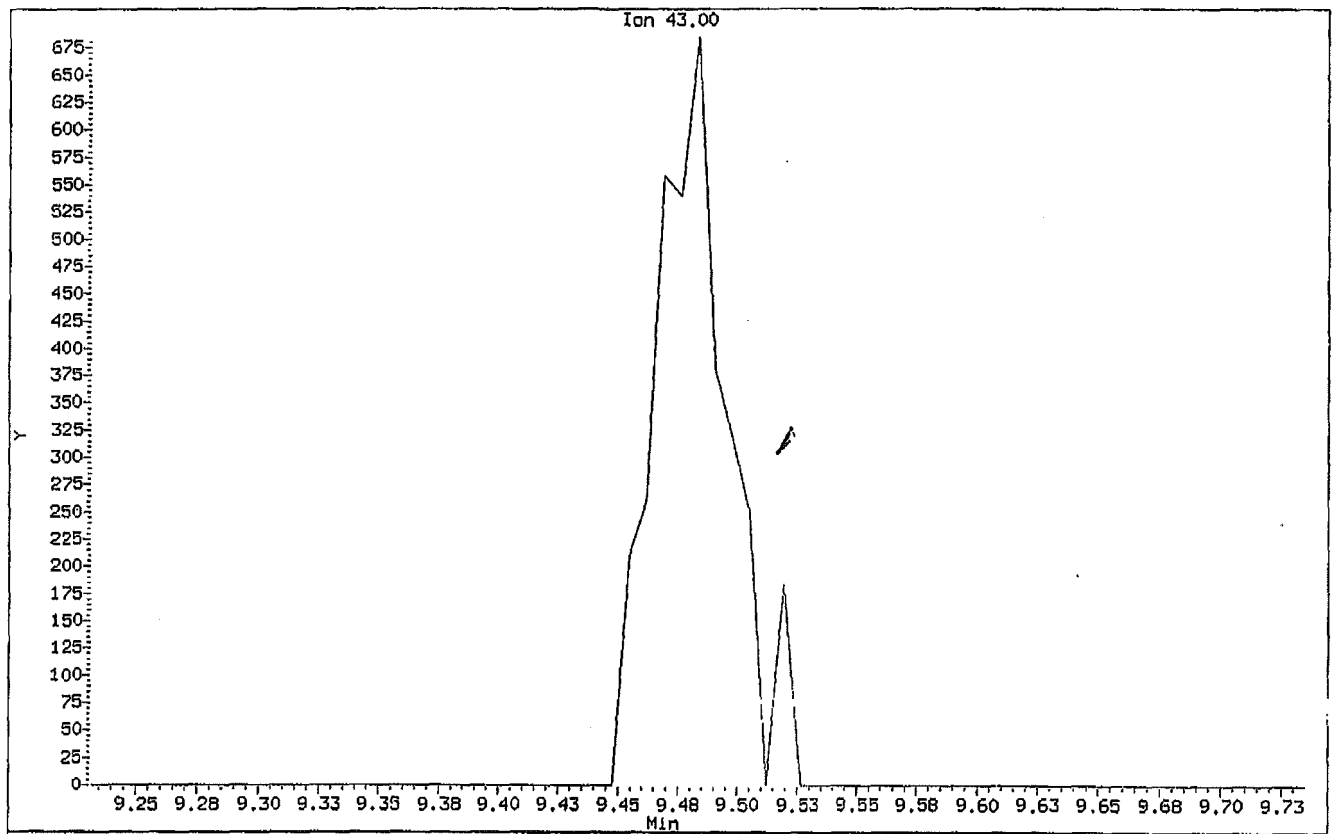


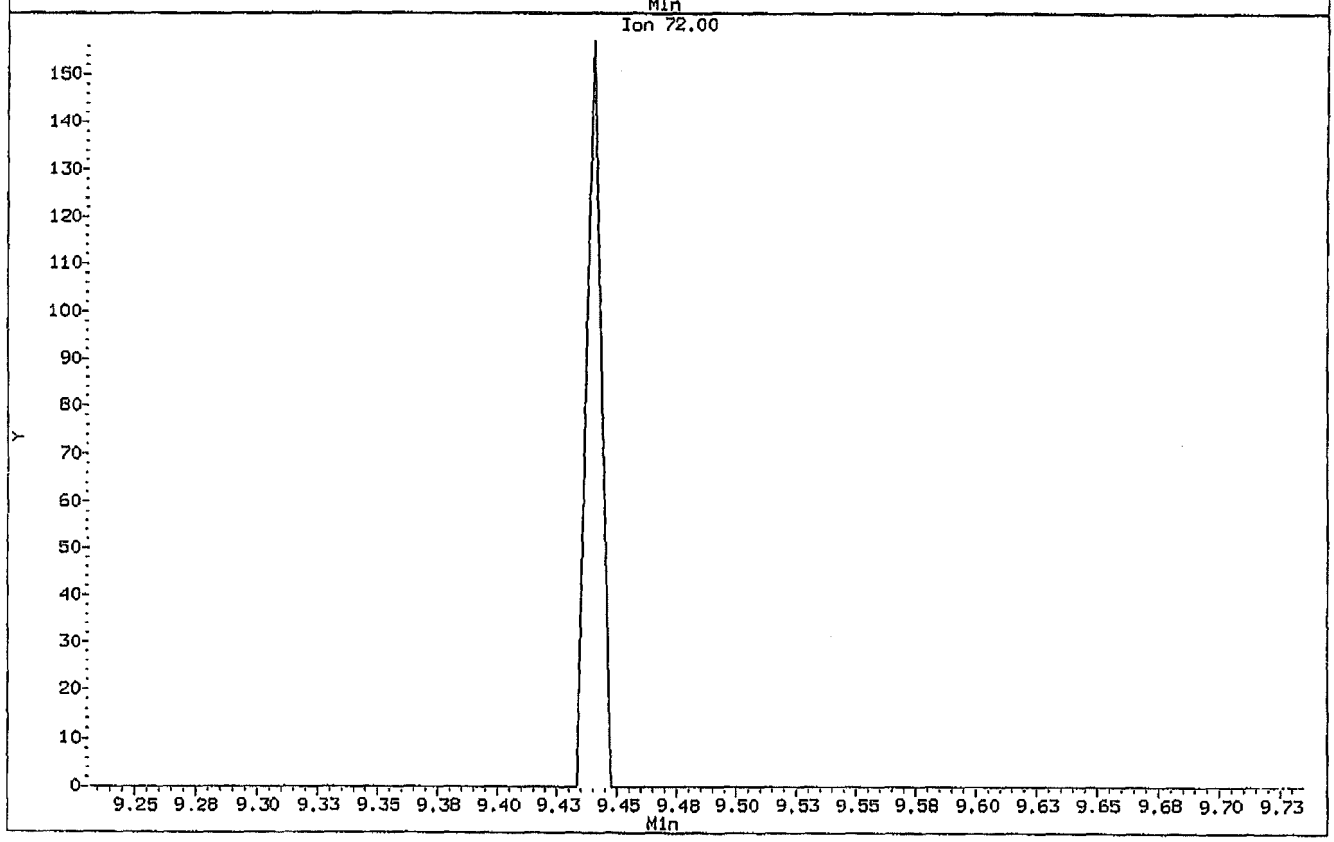


001727

Data File: /chem/hp7.i/H71107a.b/S7532.D
Injection Date: 08-NOV-2000 01:48
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3

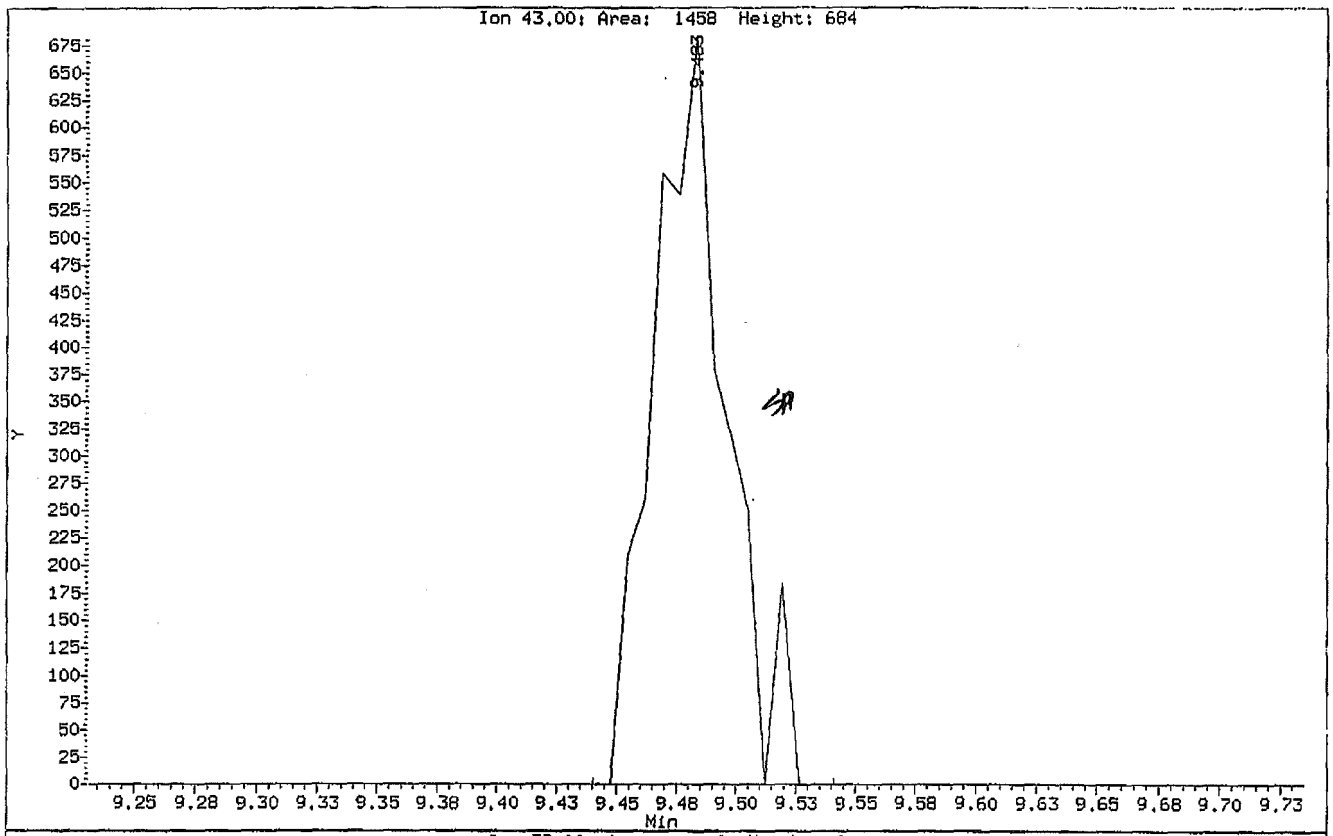


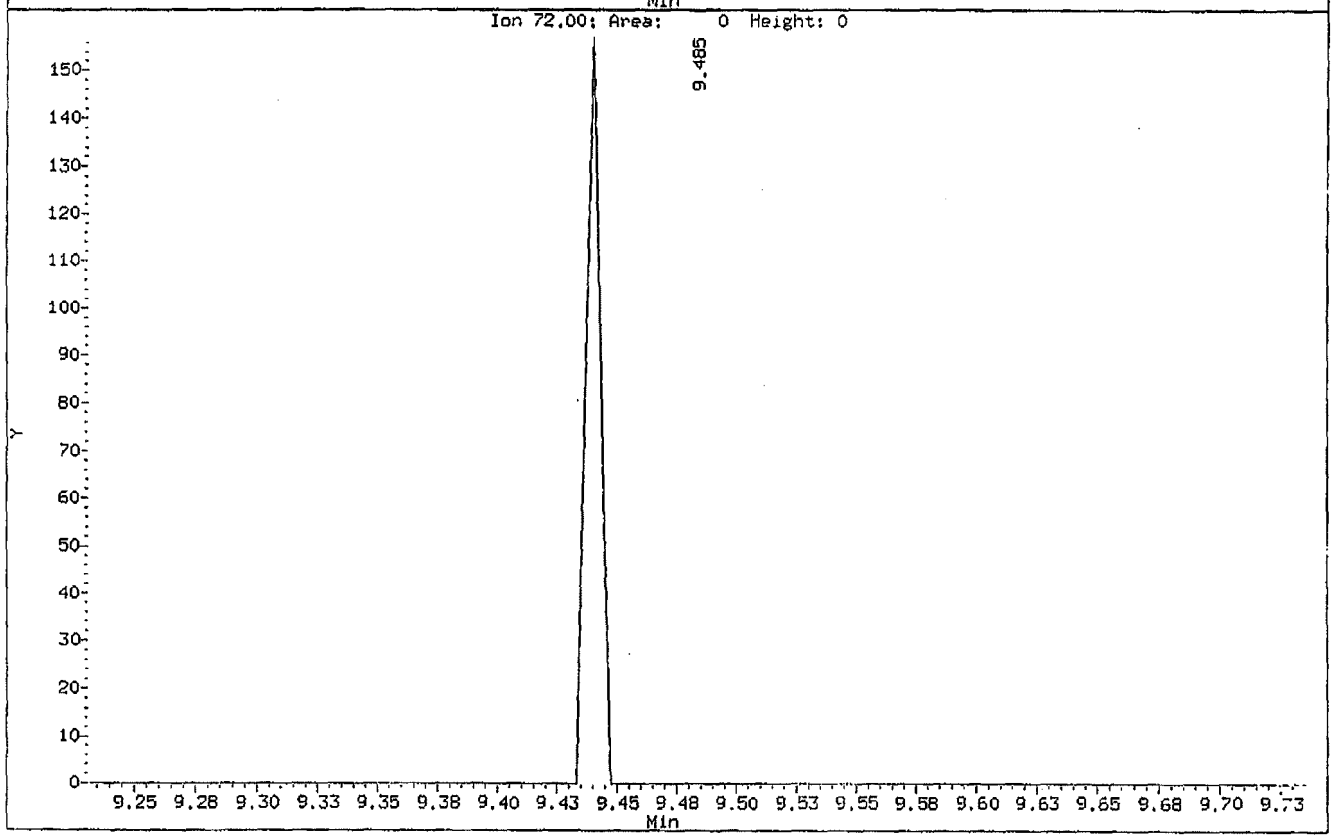


001728

Data File: /chem/hp7.i/H71107a.b/S7532.D
Injection Date: 08-NOV-2000 01:48
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3





001723

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7532.D
Lab Smp Id: DM9FM1A1 RI
Inj Date : 08-NOV-2000 01:48
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9FM1A1 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	7 t-Butanol	59.00	Compound Not Detected.					
	122 Acrylonitrile	53.00	Compound Not Detected.					
	15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
	14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M	131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
	13 Hexane	57.00	Compound Not Detected.					
	18 Vinyl acetate	43.00	Compound Not Detected.					
	17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
	16 Isopropyl ether	45.00	Compound Not Detected.					
	123 Chloroprene	53.00	Compound Not Detected.					
	19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
	22 2-Butanone	43.00	Compound Not Detected.					
	21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
	20 2,2-Dichloropropane	77.00	Compound Not Detected.					
	124 Propionitrile	54.00	Compound Not Detected.					
	125 Methacrylonitrile	41.00	Compound Not Detected.					
	23 Bromochloromethane	128.00	Compound Not Detected.					
	24 Chloroform (*)	83.00	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
	28 1,1-Dichloropropene	75.00	Compound Not Detected.					
	27 Carbon Tetrachloride	117.00	Compound Not Detected.					
	127 Isobutanol	43.00	Compound Not Detected.					
$	29 1,2-Dichloroethane-d4	65	10.863	10.872	(0.940)	220513	49.6626	49.6626
	30 Benzene	78.00	Compound Not Detected.					
	31 1,2-Dichloroethane	62.00	Compound Not Detected.					
	126 Cyclohexane	56.00	Compound Not Detected.					
	26 t-Amyl-methyl-ether	73	11.560	11.135	(1.000)	7601	1.06212	1.06212
*	32 1,4-Difluorobenzene	114	11.560	11.569	(1.000)	558562	50.0000	
	33 Trichloroethene	95.00	Compound Not Detected.					
	34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
	128 Methyl Methacrylate	41.00	Compound Not Detected.					
	35 1,4-Dioxane	88.00	Compound Not Detected.					
	36 Dibromomethane	93.00	Compound Not Detected.					
	37 Bromodichloromethane	83.00	Compound Not Detected.					
	38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
	39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
	40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$	41 Toluene-d8	98	13.946	13.955	(1.206)	587605	45.6028	45.6028
	42 Toluene (*)	92.00	Compound Not Detected.					
	43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
	129 Ethyl Methacrylate	69.00	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
	46 1,3-Dichloropropane	76.00	Compound Not Detected.					
	45 Tetrachloroethene	166.00	Compound Not Detected.					
	47 2-Hexanone	43.00	Compound Not Detected.					
	48 Dibromochloromethane	129.00	Compound Not Detected.					
	49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
52 1-Chlorohexane	91	16.217	16.161	(1.000)	1169	0.27033	0.270332
* 50 Chlorobenzene-d5	117	16.210	16.218	(1.000)	444354	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.014	18.015	(1.111)	205147	42.1389	42.1389
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.819	(1.000)	219280	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7532.D
Lab Smp Id: DM9FM1A1 RI
Inj Date : 08-NOV-2000 01:48
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9FM1A1 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7532.D
Lab Smp Id: DM9FM1A1 RI
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	558562	0.26
50 Chlorobenzene-d5	506760	253380	1013520	444354	-12.31
72 1,4 Dichlorobenze	290615	145308	581230	219280	-24.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.56	-0.07
50 Chlorobenzene-d5	16.22	15.72	16.72	16.21	-0.05
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.81	-0.04

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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RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9FM1A1 RI
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	49.6626	99.33	75-125
$ 41 Toluene-d8	50.0000	45.6028	91.21	75-125
$ 60 4-Bromofluorobenze	50.0000	42.1389	84.28	80-120

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TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9FM1A1 RI
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

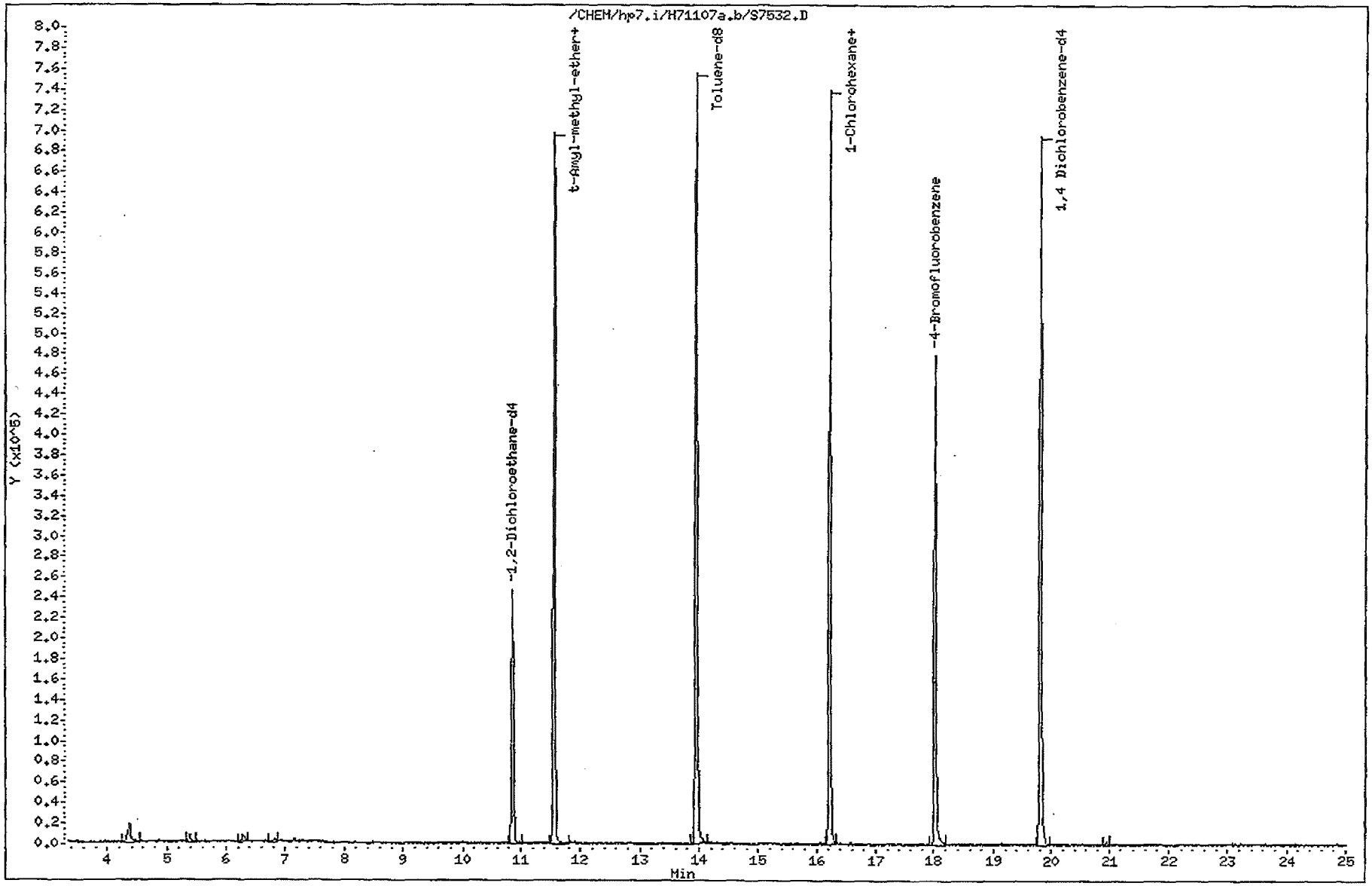
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107a.b/S7532.D
Date : 08-NOV-2000 01:48
Client ID:
Sample Info: DM9FM1A1 RI;Barmbys;0;;;;2

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



BOE-C6-0175275

001737

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107a.b\S7533.D
Lab Smp Id: DM9F01AA
Inj Date : 08-NOV-2000 02:18
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9F01AA;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

SDB 11/9/a

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.305	6.301	(0.545)	10862	12.0705	12.0705(M) (1) SDB 11/9/a
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84	7.153	7.163	(0.619)	1670	0.48751	0.487509(M) (1)
7 t-Butanol	59.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
	122 Acrylonitrile	53.00	Compound Not Detected.					
	15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
	14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M	131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
	13 Hexane	57.00	Compound Not Detected.					
	18 Vinyl acetate	43.00	Compound Not Detected.					
	17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
	16 Isopropyl ether	45.00	Compound Not Detected.					
	123 Chloroprene	53.00	Compound Not Detected.					
	19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
	22 2-Butanone	43	9.489	9.485	(0.821)	1276	1.14464	1.14464 (M) 11/9/00
	21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
	20 2,2-Dichloropropane	77.00	Compound Not Detected.					
	124 Propionitrile	54.00	Compound Not Detected.					
	125 Methacrylonitrile	41.00	Compound Not Detected.					
	23 Bromochloromethane	128.00	Compound Not Detected.					
	24 Chloroform (*)	83.00	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
	28 1,1-Dichloropropene	75.00	Compound Not Detected.					
	27 Carbon Tetrachloride	117.00	Compound Not Detected.					
	127 Isobutanol	43.00	Compound Not Detected.					
$	29 1,2-Dichloroethane-d4	65	10.861	10.872	(0.940)	202685	52.4799	52.4799
	30 Benzene	78.00	Compound Not Detected.					
	31 1,2-Dichloroethane	62.00	Compound Not Detected.					
	126 Cyclohexane	56.00	Compound Not Detected.					
	26 t-Amyl-methyl-ether	73	11.558	11.135	(1.000)	~~6798~~	~~1.18342~~	~~1.12342~~ ND
*	32 1,4-Difluorobenzene	114	11.558	11.569	(1.000)	485842	50.0000	
	33 Trichloroethene	95.00	Compound Not Detected.					
	34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
	128 Methyl Methacrylate	41.00	Compound Not Detected.					
	35 1,4-Dioxane	88.00	Compound Not Detected.					
	36 Dibromomethane	93.00	Compound Not Detected.					
	37 Bromodichloromethane	83.00	Compound Not Detected.					
	38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
	39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
	40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$	41 Toluene-d8	98	13.951	13.955	(1.207)	513665	45.8313	45.8313
	42 Toluene (*)	92.00	Compound Not Detected.					
	43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
	129 Ethyl Methacrylate	69.00	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
	46 1,3-Dichloropropane	76.00	Compound Not Detected.					
	45 Tetrachloroethene	166.00	Compound Not Detected.					
	47 2-Hexanone	43.00	Compound Not Detected.					
	48 Dibromochloromethane	129.00	Compound Not Detected.					
	49 1,2-Dibromoethane	107.00	Compound Not Detected.					
	52 1-Chlorohexane	91	16.215	16.161	(1.000)	~~1119~~	~~0.29259~~	~~0.292592~~ ND

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
* 50 Chlorobenzene-d5	117	16.215	16.218	(1.000)	392988	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.012	18.015	(1.111)	184787	42.9179	42.9179
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.808	19.819	(1.000)	194434	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

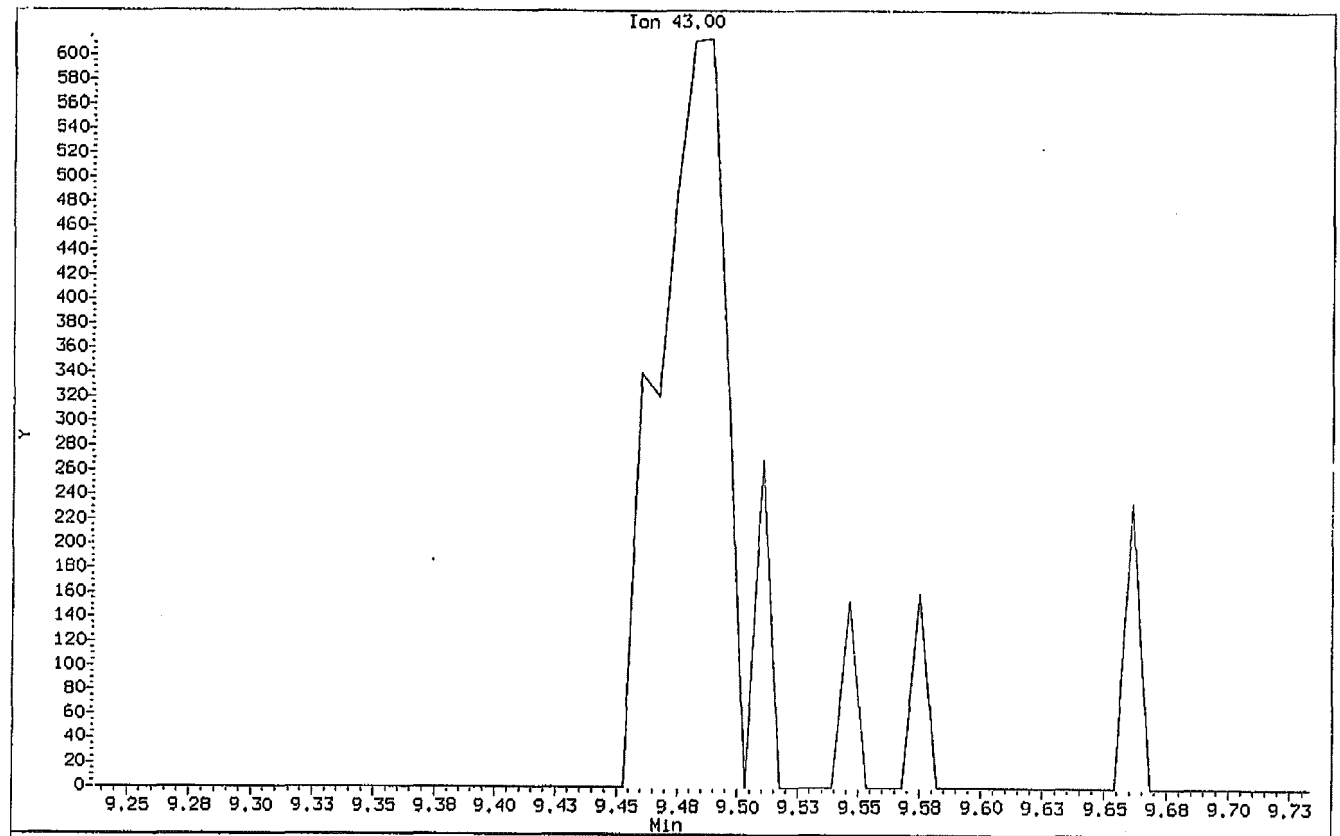
(*)-peak not found

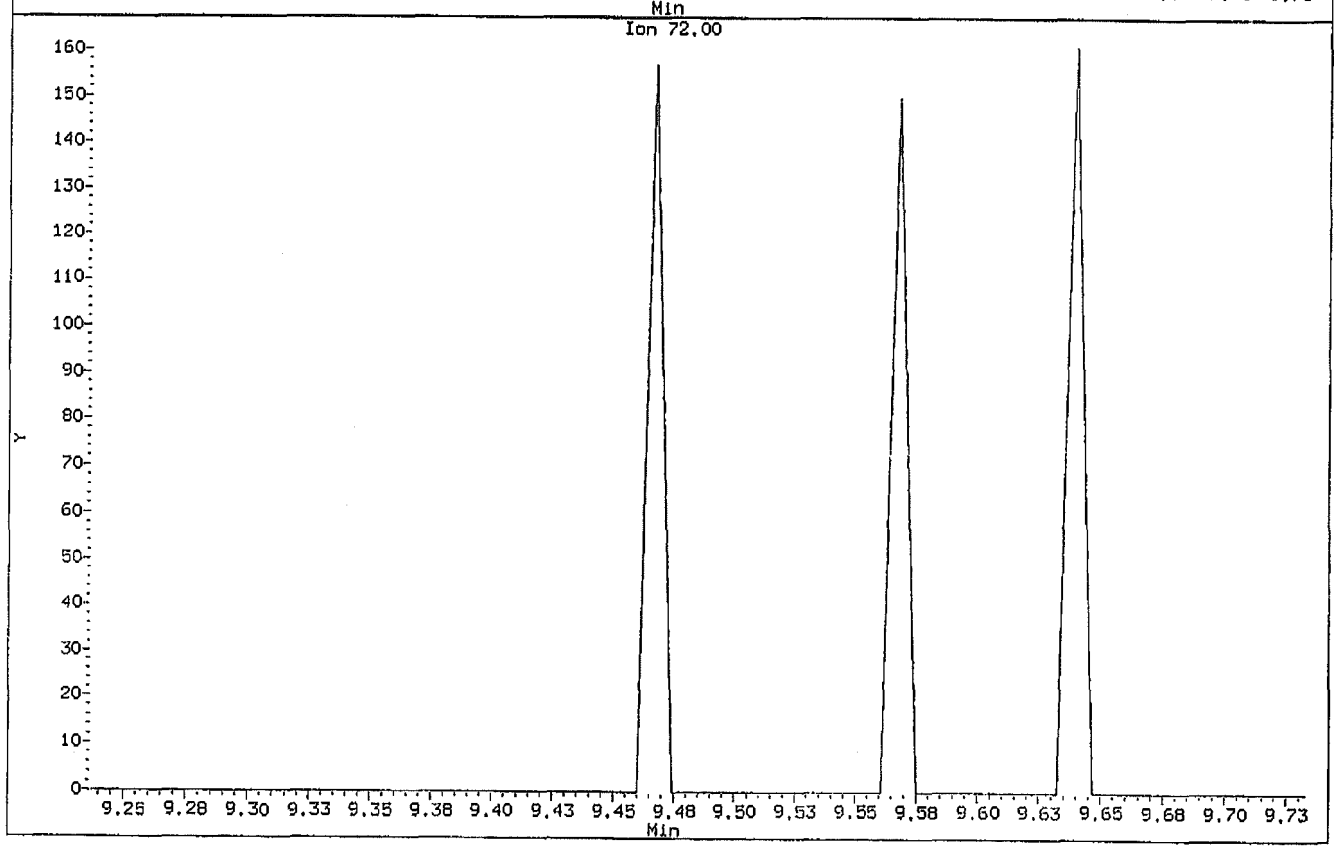
QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/hp7.i/H71107a.b/S7533.D
Injection Date: 08-NOV-2000 02:18
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3

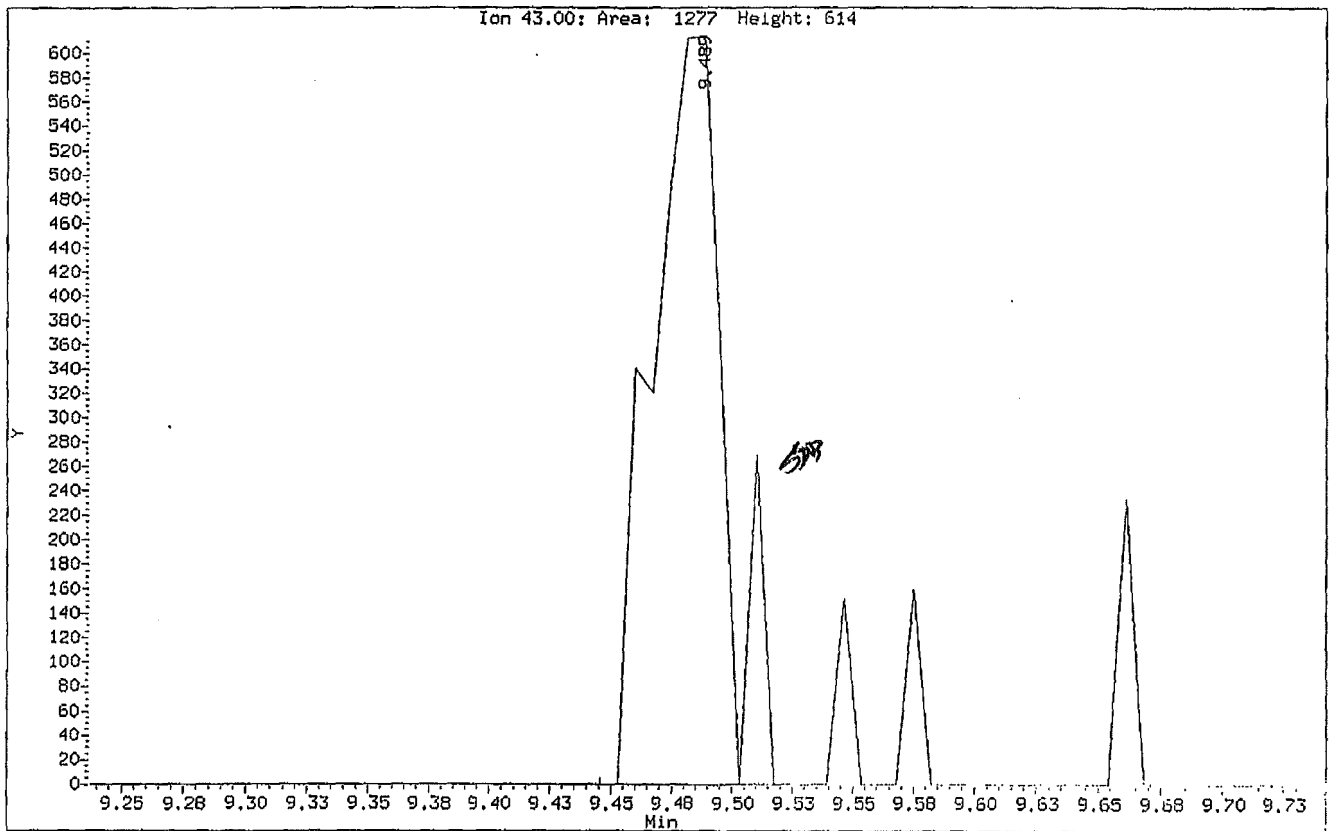


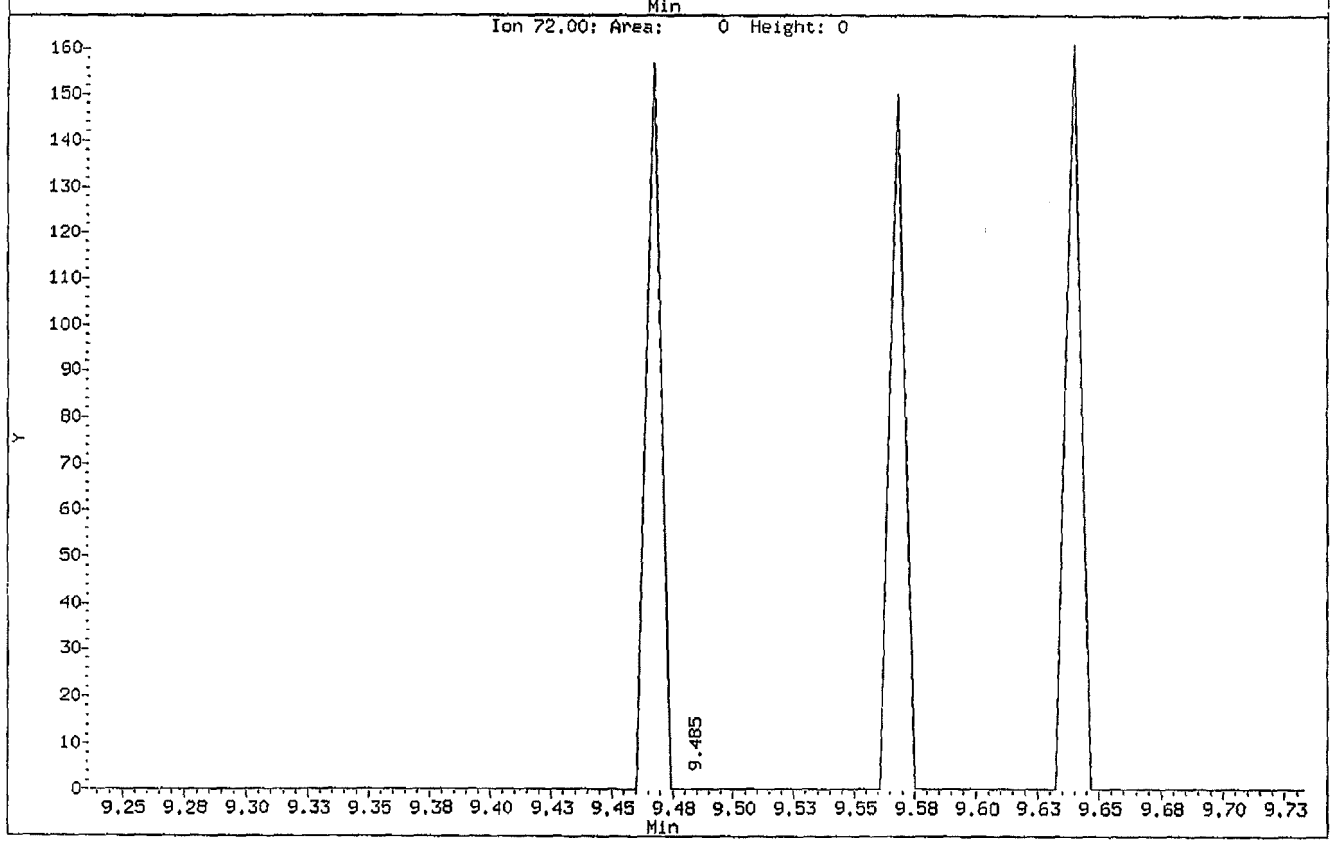


001741

Data File: /chem/hp7.i/H71107a.b/S7533.D
Injection Date: 08-NOV-2000 02:18
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3



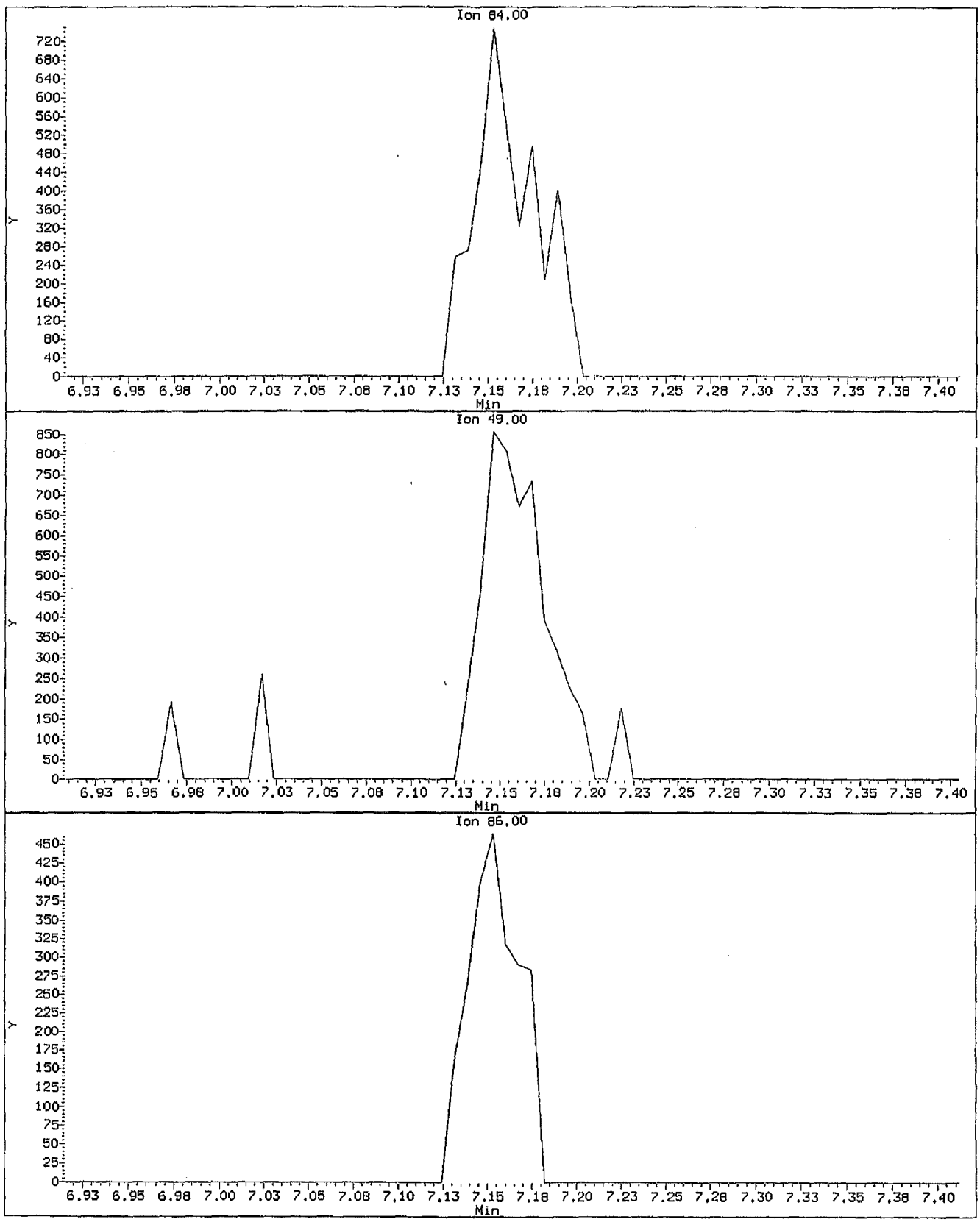


001742

BOE-C6-0175280

Data File: /chem/hp7.i/H71107a.b/S7533.D
Injection Date: 08-NOV-2000 02:18
Instrument: hp7.i
Client Sample ID:

Compound: Methylene Chloride
CAS Number: 75-09-2



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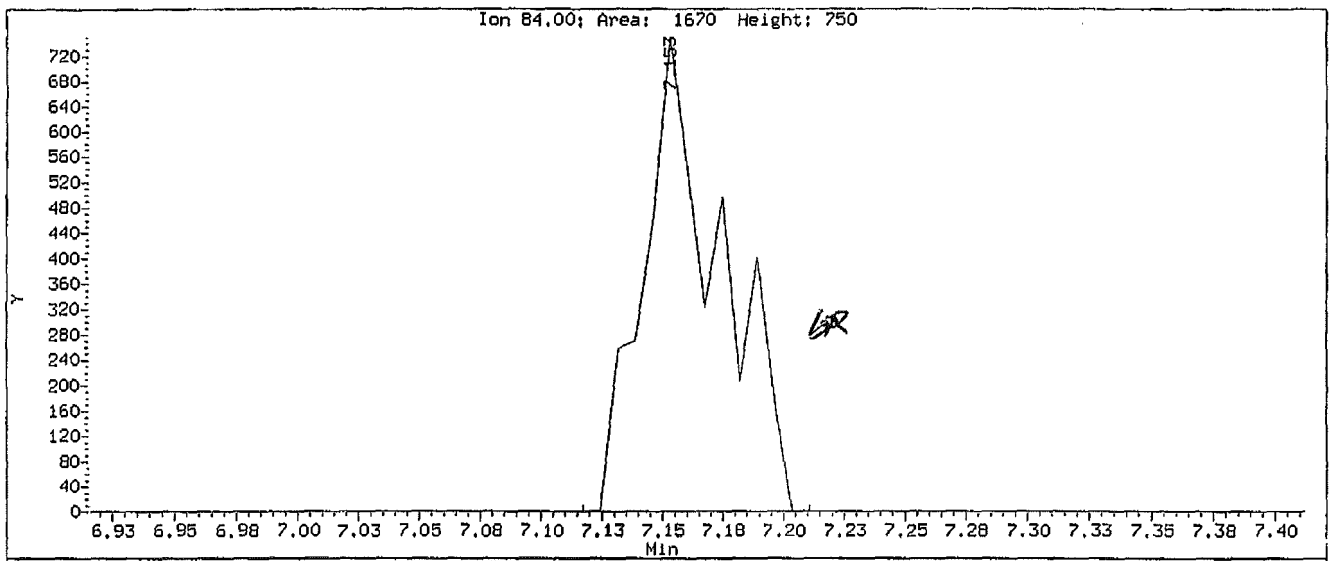
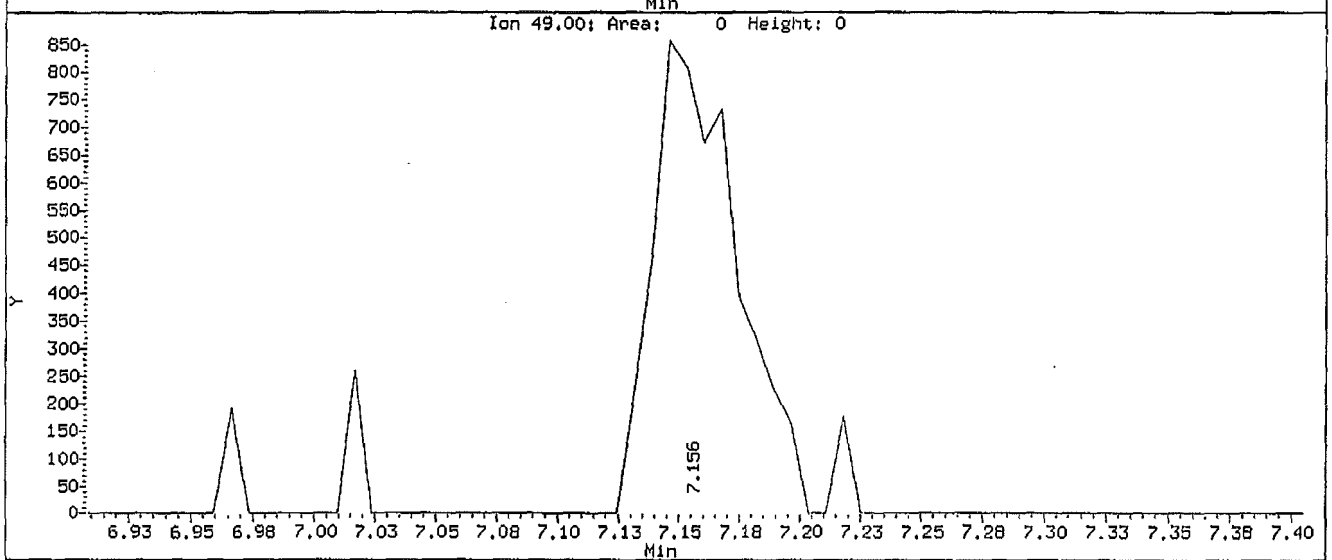
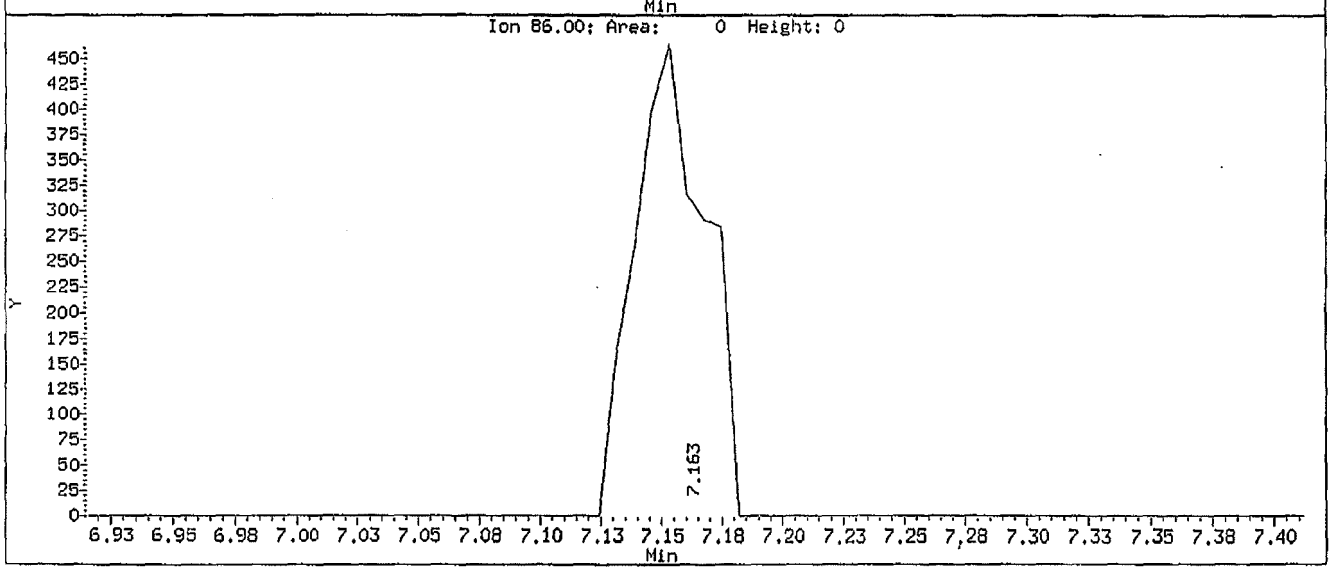
Injection Date: 08-NOV-2000 02:18
Instrument: hp7.i
Client Sample ID:

Compound: Methylene Chloride
CAS Number: 75-09-2

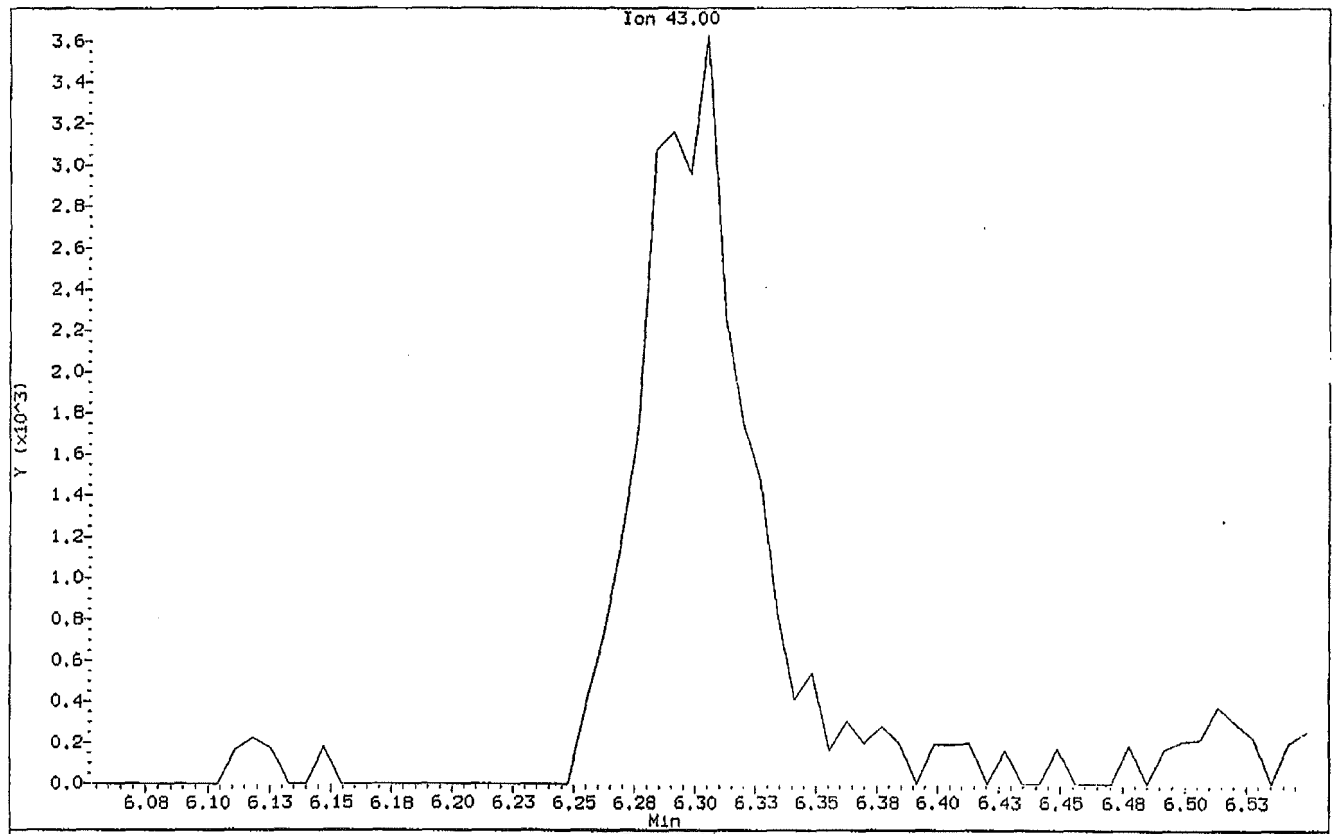


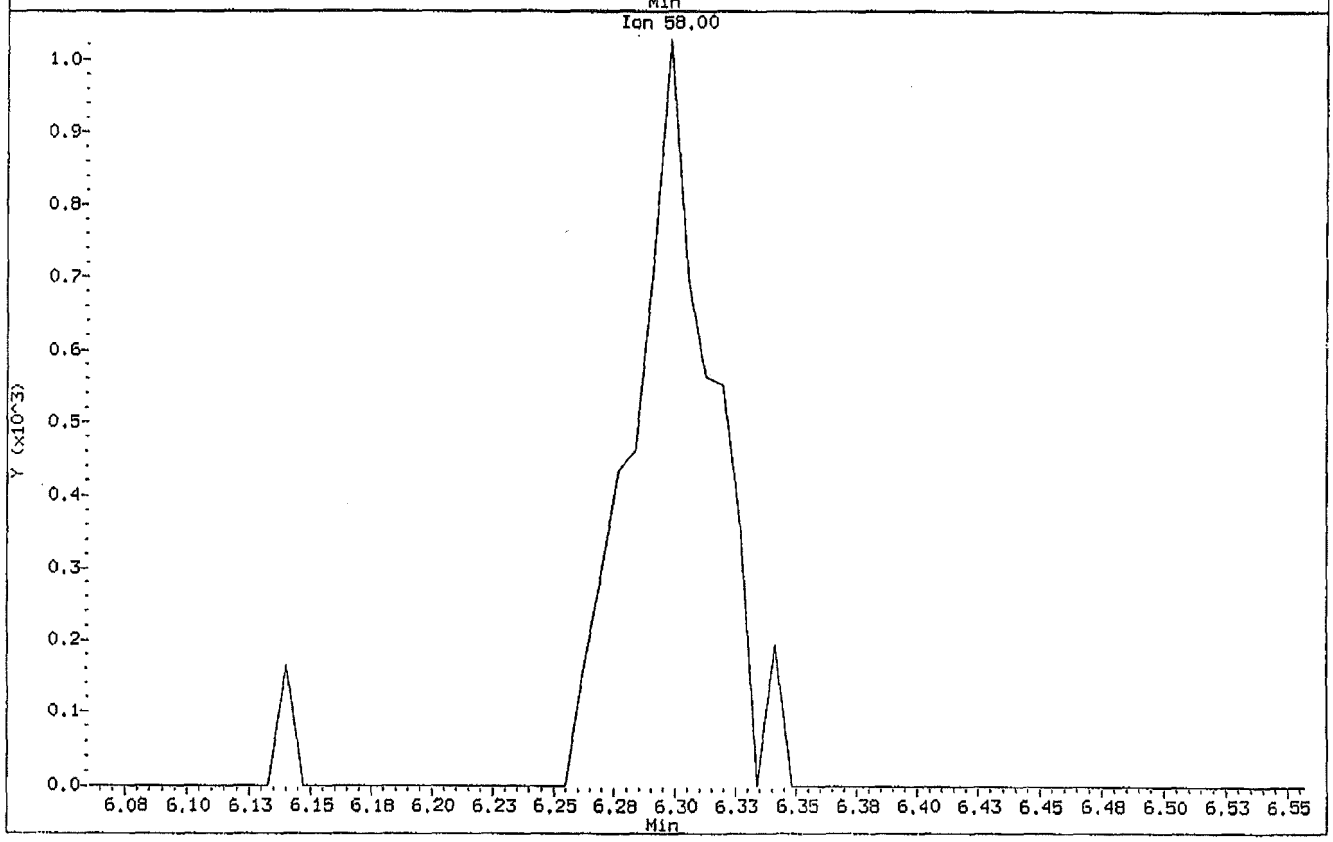




Data File: /chem/hp7.i/H71107a.b/S7533.D
Injection Date: 08-NOV-2000 02:18
Instrument: hp7.i
Client Sample ID:

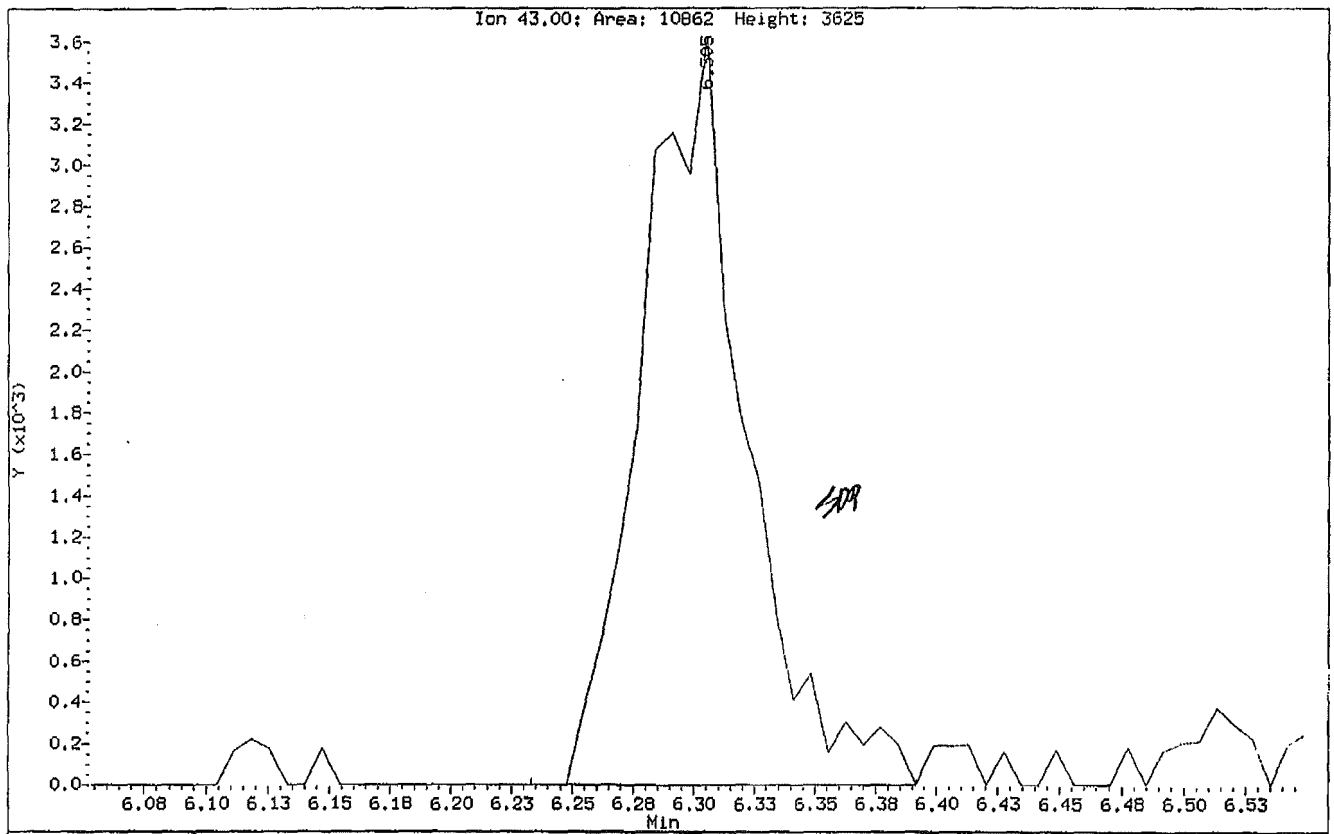
Compound: Acetone
CAS Number: 67-64-1

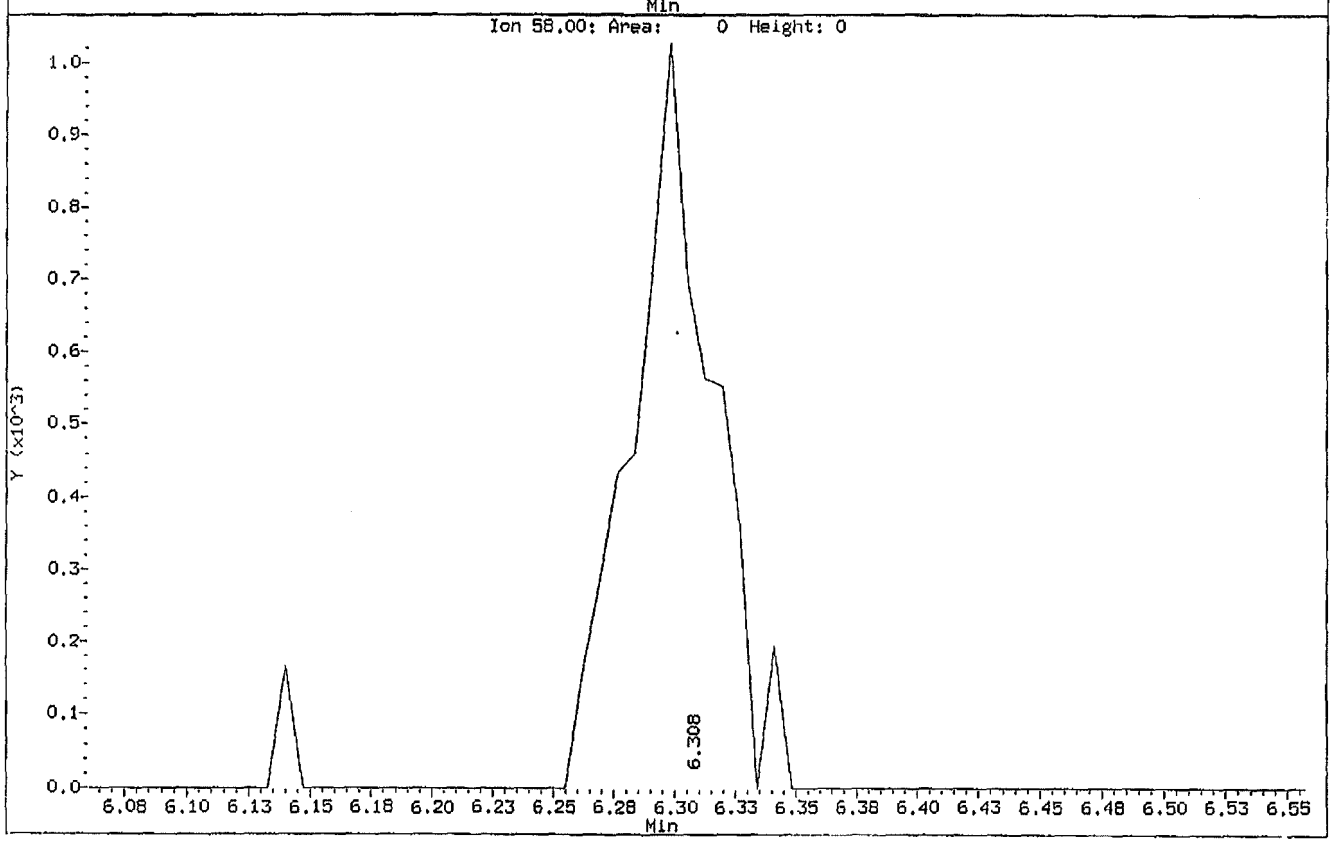




Data File: /chem/hp7.i/H71107a.b/S7533.D
Injection Date: 08-NOV-2000 02:18
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1





001746

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VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7533.D
Lab Smp Id: DM9F01AA
Inj Date : 08-NOV-2000 02:18
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9F01AA;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.861	10.872	(0.940)	202685	52.4799	52.4799
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.558	11.135	(1.000)	6993	1.12342	1.12342
* 32 1,4-Difluorobenzene	114	11.558	11.569	(1.000)	485842	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.951	13.955	(1.207)	513665	45.8313	45.8313
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/kg)
52 1-Chlorohexane	91	16.215	16.161	(1.000)	1119	0.29259	0.292592
* 50 Chlorobenzene-d5	117	16.215	16.218	(1.000)	392988	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.012	18.015	(1.111)	184787	42.9179	42.9179
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.808	19.819	(1.000)	194434	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7533.D
Lab Smp Id: DM9F01AA
Inj Date : 08-NOV-2000 02:18
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9F01AA;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7533.D
Lab Smp Id: DM9F01AA
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	485842	-12.80
50 Chlorobenzene-d5	506760	253380	1013520	392988	-22.45
72 1,4 Dichlorobenze	290615	145308	581230	194434	-33.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.56	-0.09
50 Chlorobenzene-d5	16.22	15.72	16.72	16.22	-0.02
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.81	-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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9F01AA
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	52.4799	104.96	75-125
$ 41 Toluene-d8	50.0000	45.8313	91.66	75-125
$ 60 4-Bromofluorobenze	50.0000	42.9179	85.84	80-120

STL Sacramento

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9F01AA
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107a.b/S7533.D

Date : 08-NOV-2000 02:18

Client ID:

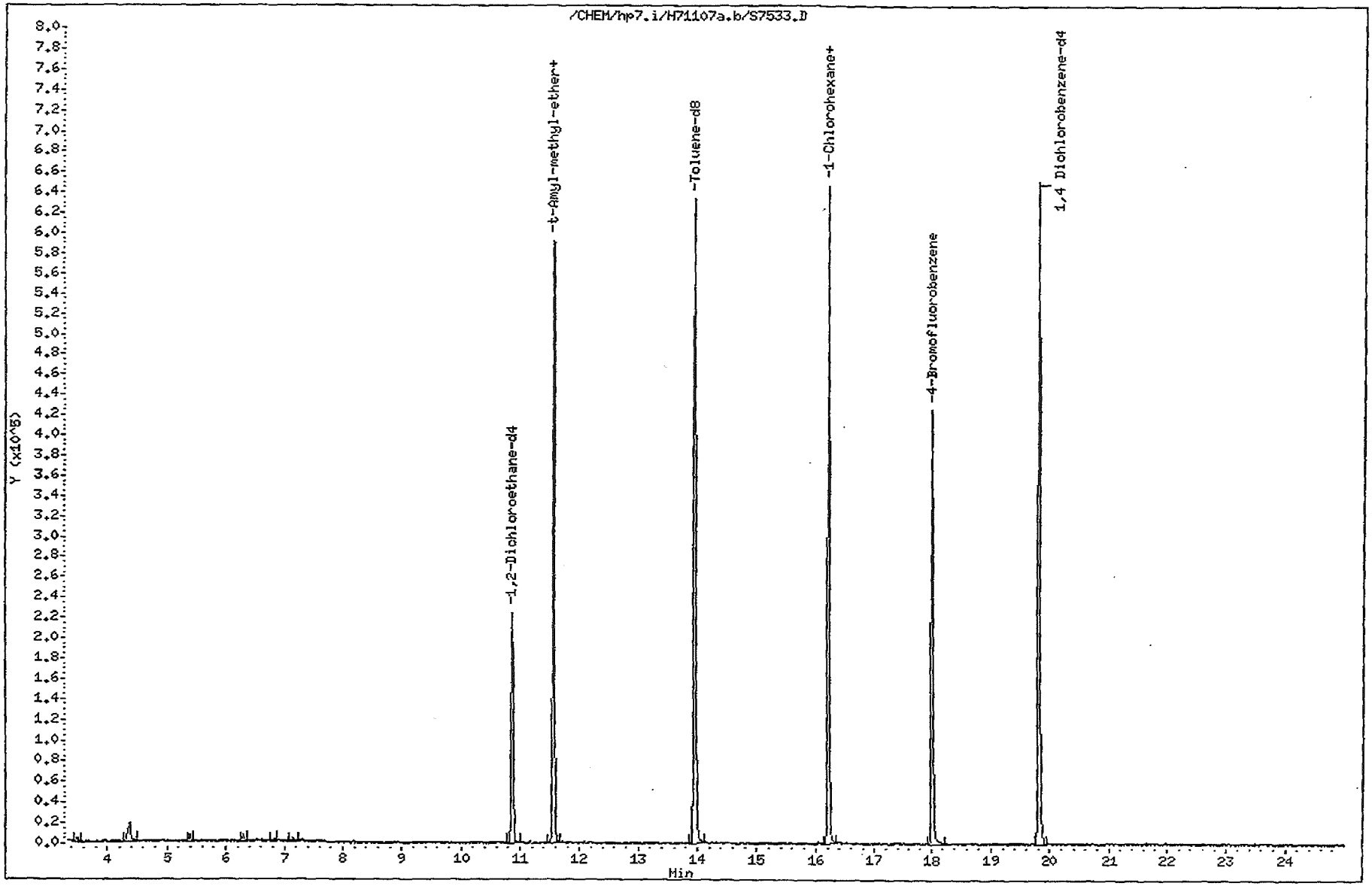
Sample Info: DM9F01AA;Barmbys;0;;;;2

Column phase:

Instrument: hp7.i

Operator: Barmbys

Column diameter: 0.53



001754

BOE-C6-0175292

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107a.b\S7534.D
Lab Smp Id: DM9F11A1
Inj Date : 08-NOV-2000 02:49
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9F11A1;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

"NO PROBLEM" TICS PRESENT

SMB 11/9/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.293	6.301	(0.544)	8175	8.37446	8.37446(M) SMB 11/9/00
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
	7 t-Butanol	59.00	Compound Not Detected.					
	122 Acrylonitrile	53.00	Compound Not Detected.					
	15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
	14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M	131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
	13 Hexane	57.00	Compound Not Detected.					
	18 Vinyl acetate	43.00	Compound Not Detected.					
	17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
	16 Isopropyl ether	45.00	Compound Not Detected.					
	123 Chloroprene	53.00	Compound Not Detected.					
	19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
	22 2-Butanone	43	9.484	9.485	(0.820)	1222	1.01060	1.01060(M)
	21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
	20 2,2-Dichloropropane	77.00	Compound Not Detected.					
	124 Propionitrile	54.00	Compound Not Detected.					
	125 Methacrylonitrile	41.00	Compound Not Detected.					
	23 Bromochloromethane	128.00	Compound Not Detected.					
	24 Chloroform (*)	83.00	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
	28 1,1-Dichloropropene	75.00	Compound Not Detected.					
	27 Carbon Tetrachloride	117.00	Compound Not Detected.					
	127 Isobutanol	43.00	Compound Not Detected.					
$	29 1,2-Dichloroethane-d4	65	10.864	10.872	(0.940)	208724	49.8197	49.8197
	30 Benzene	78.00	Compound Not Detected.					
	31 1,2-Dichloroethane	62.00	Compound Not Detected.					
	126 Cyclohexane	56.00	Compound Not Detected.					
	26 t-Amyl-methyl-ether	73	11.561	11.135	(1.000)	~~7345~~	~~1.08774~~	~~1.08774~~ ND
*	32 1,4-Difluorobenzene	114	11.561	11.569	(1.000)	527033	50.0000	
	33 Trichloroethene	95.00	Compound Not Detected.					
	34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
	128 Methyl Methacrylate	41.00	Compound Not Detected.					
	35 1,4-Dioxane	88.00	Compound Not Detected.					
	36 Dibromomethane	93.00	Compound Not Detected.					
	37 Bromodichloromethane	83.00	Compound Not Detected.					
	38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
	39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
	40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$	41 Toluene-d8	98	13.947	13.955	(1.206)	549449	45.1926	45.1926
	42 Toluene (*)	92.00	Compound Not Detected.					
	43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
	129 Ethyl Methacrylate	69.00	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
	46 1,3-Dichloropropane	76.00	Compound Not Detected.					
	45 Tetrachloroethene	166.00	Compound Not Detected.					
	47 2-Hexanone	43.00	Compound Not Detected.					
	48 Dibromochloromethane	129.00	Compound Not Detected.					
	49 1,2-Dibromoethane	107.00	Compound Not Detected.					

11/9/00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	52 1-Chlorohexane	91	16.210	16.161	(1.000)	1293	0.31915	~~0.319154~~ NA
*	50 Chlorobenzene-d5	117	16.210	16.218	(1.000)	416303	50.0000	
	51 Chlorobenzene (**)	112.00	Compound Not Detected.					
	53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
	54 Ethylbenzene (*)	106.00	Compound Not Detected.					
	55 Xylenes (m,p)	106.00	Compound Not Detected.					
M	132 Xylenes (Total)	106.00	Compound Not Detected.					
	56 Xylene (o)	106.00	Compound Not Detected.					
	57 Styrene	104.00	Compound Not Detected.					
	58 Bromoform (**)	173.00	Compound Not Detected.					
	59 Isopropylbenzene	105.00	Compound Not Detected.					
$	60 4-Bromofluorobenzene	95	18.014	18.015	(1.111)	191890	42.0717	42.0716
	62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
	130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
	63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
	61 Bromobenzene	156.00	Compound Not Detected.					
	64 N-Propylbenzene	91.00	Compound Not Detected.					
	65 2-Chlorotoluene	91.00	Compound Not Detected.					
	67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
	66 4-Chlorotoluene	91.00	Compound Not Detected.					
	68 T-Butylbenzene	119.00	Compound Not Detected.					
	69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
	70 Sec-Butylbenzene	105.00	Compound Not Detected.					
	73 P-Isopropyltoluene	119.00	Compound Not Detected.					
	71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
*	72 1,4 Dichlorobenzene-d4	152	19.811	19.819	(1.000)	197149	50.0000	
	74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
	76 N-Butylbenzene	91.00	Compound Not Detected.					
	75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
	77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
	78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
	79 Hexachlorobutadiene	225.00	Compound Not Detected.					
	80 Napthalene	128.00	Compound Not Detected.					
	81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

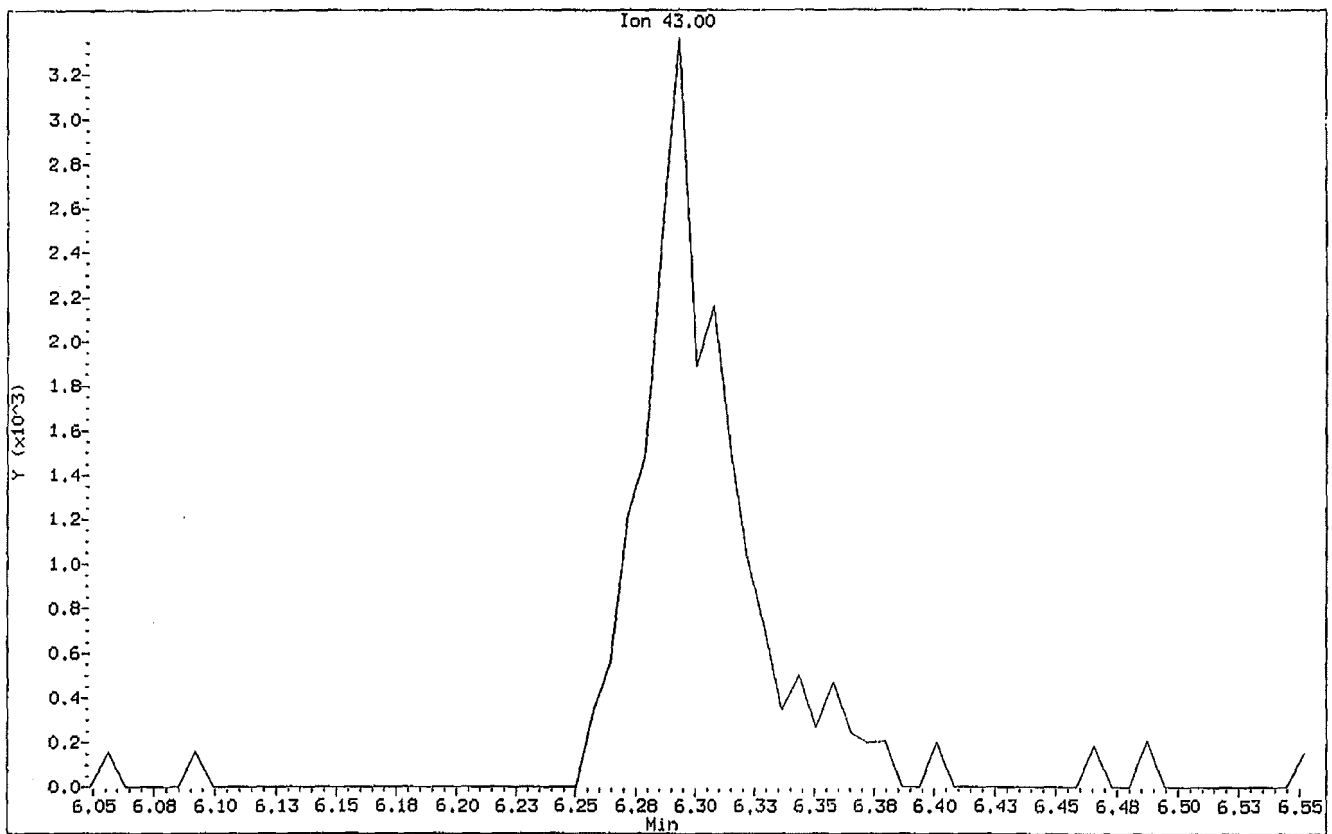
QC Flag Legend

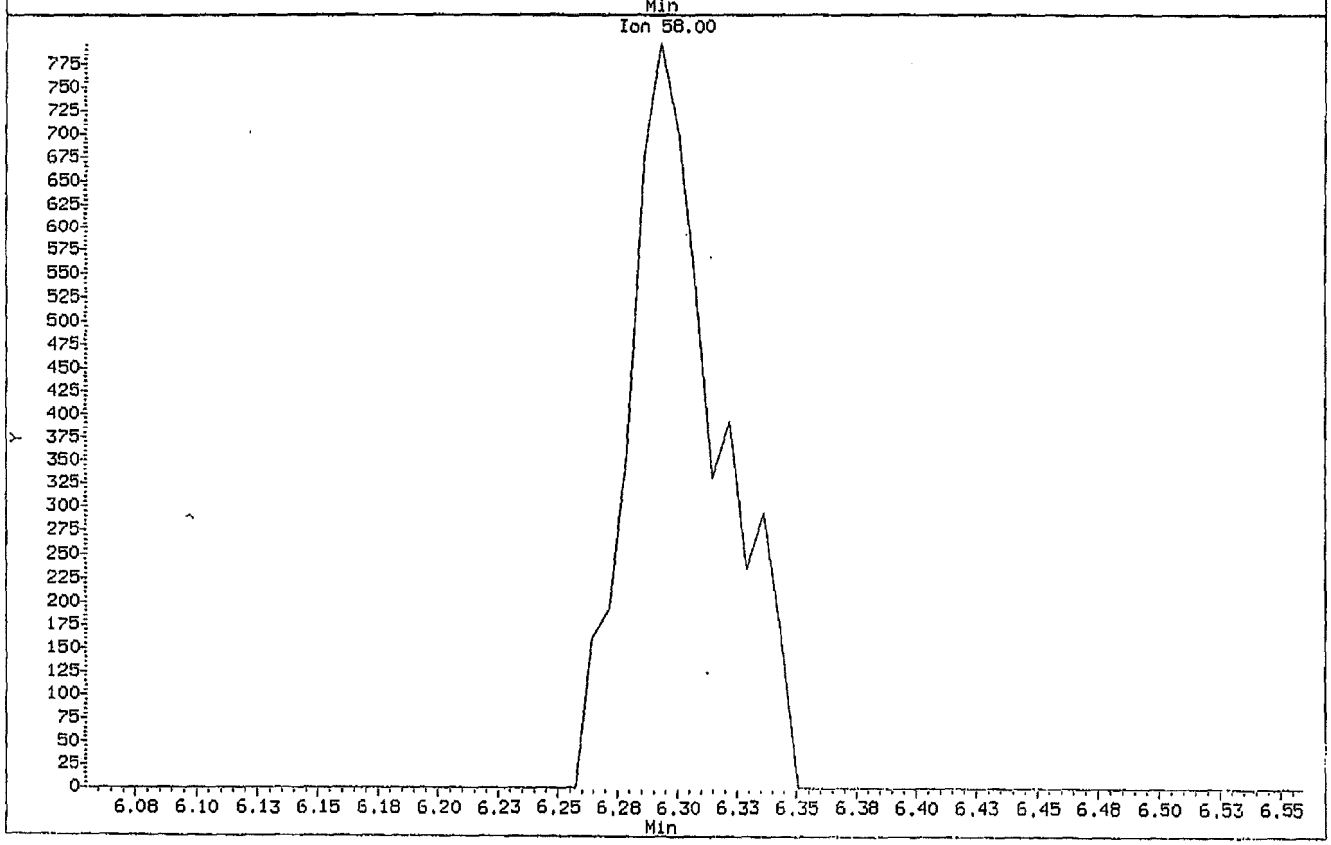
(1) - peak not found

M - Compound response manually integrated.

Data File: /chem/hp7.i/H71107a.b/S7534.D
Injection Date: 08-NOV-2000 02:49
Instrument: hp7.i
Client Sample ID:

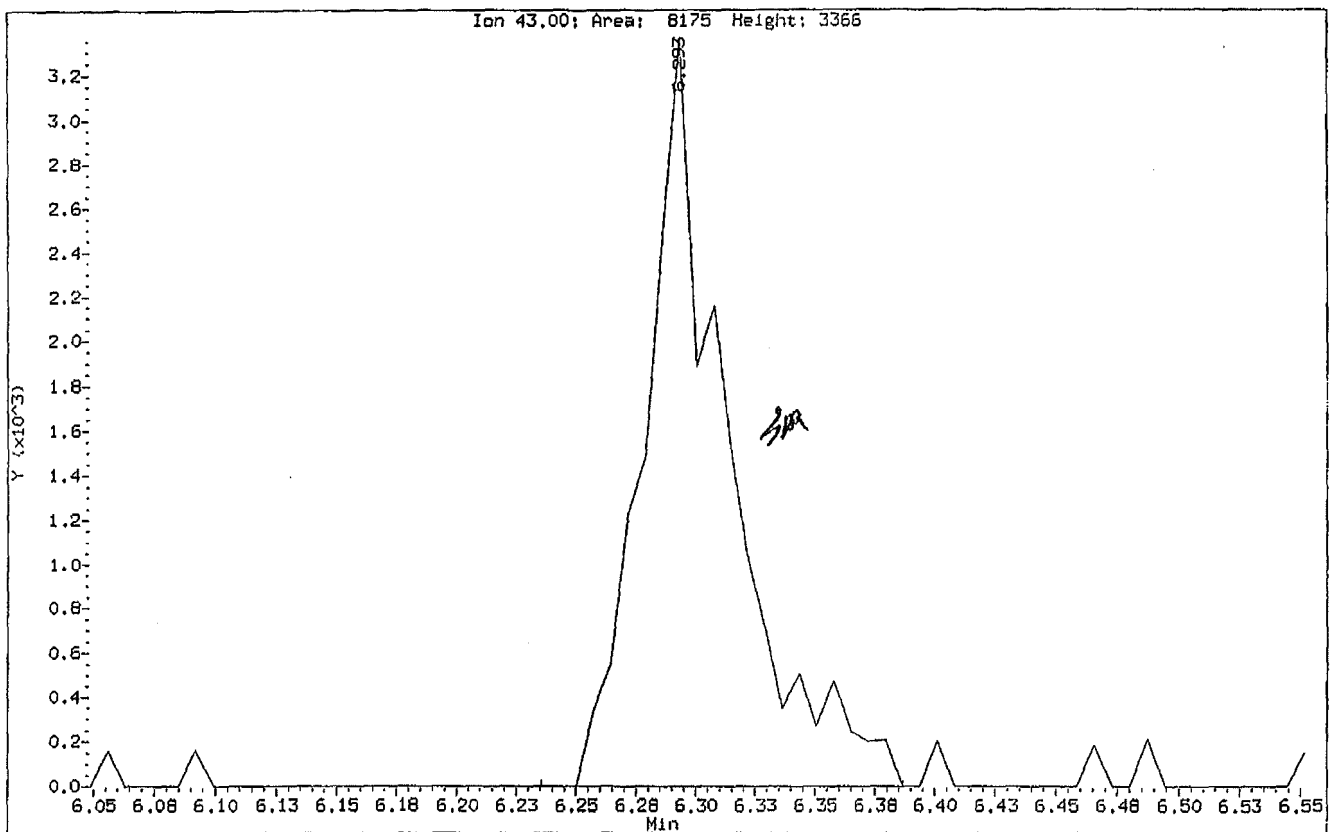
Compound: Acetone
CAS Number: 67-64-1

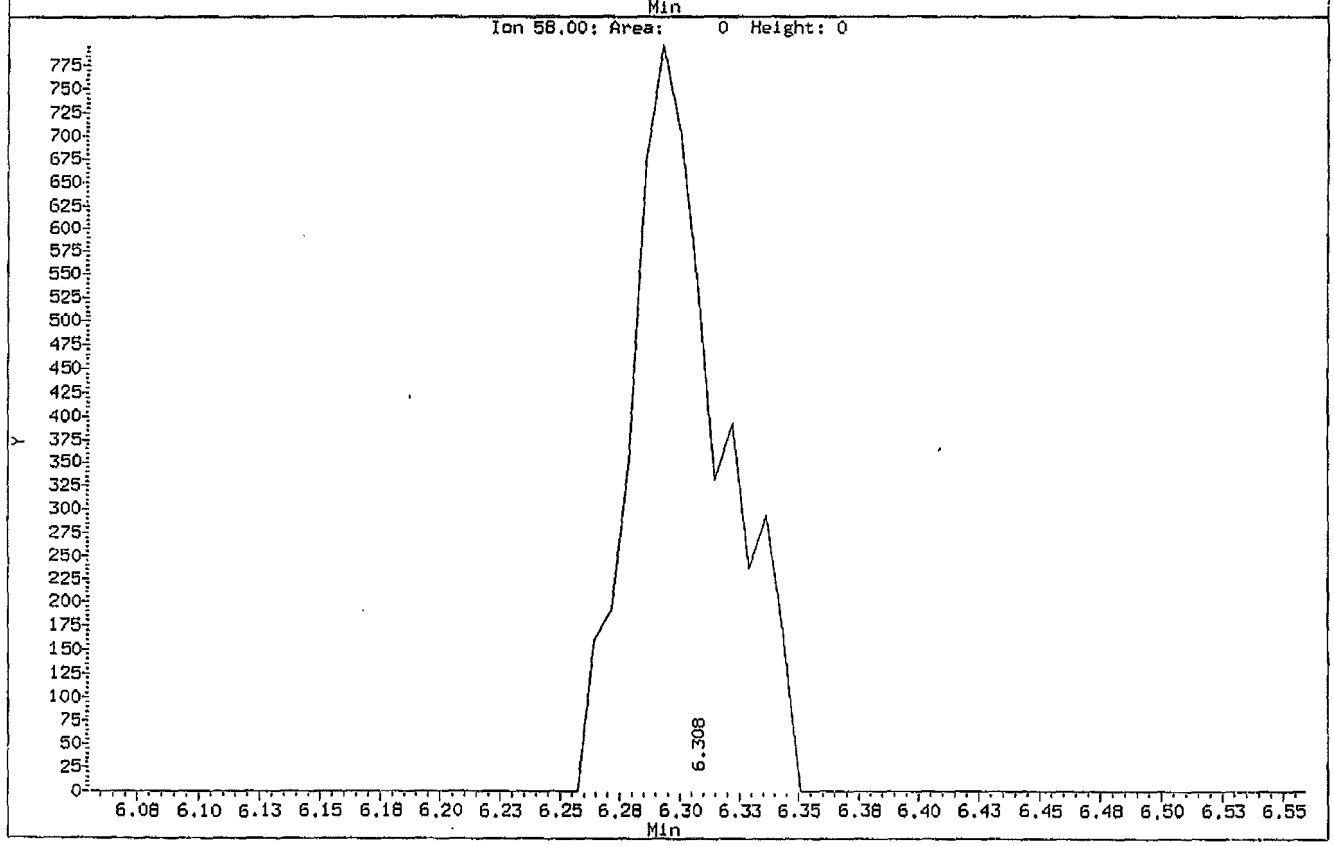




Data File: /chem/hp7.i/H71107a.b/S7534.D
Injection Date: 08-NOV-2000 02:49
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1

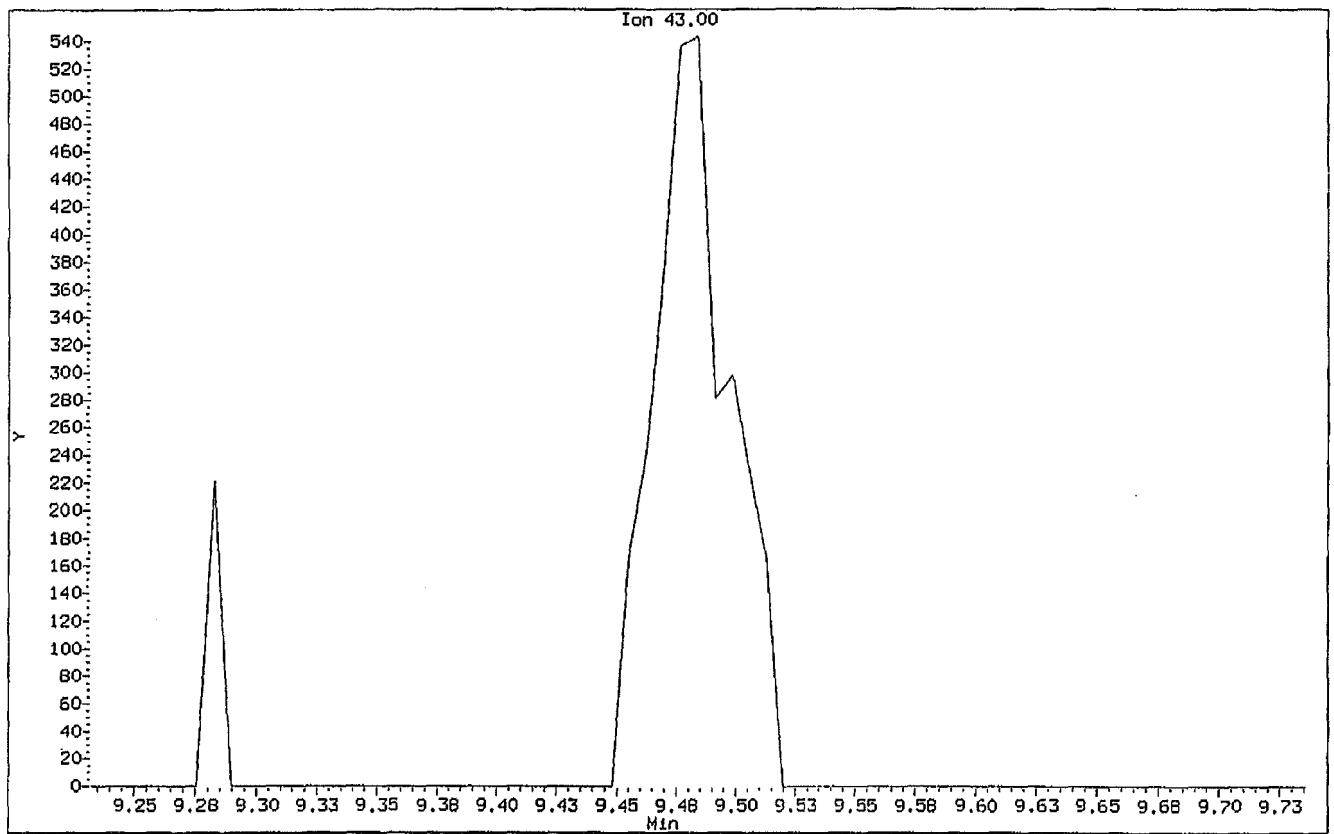


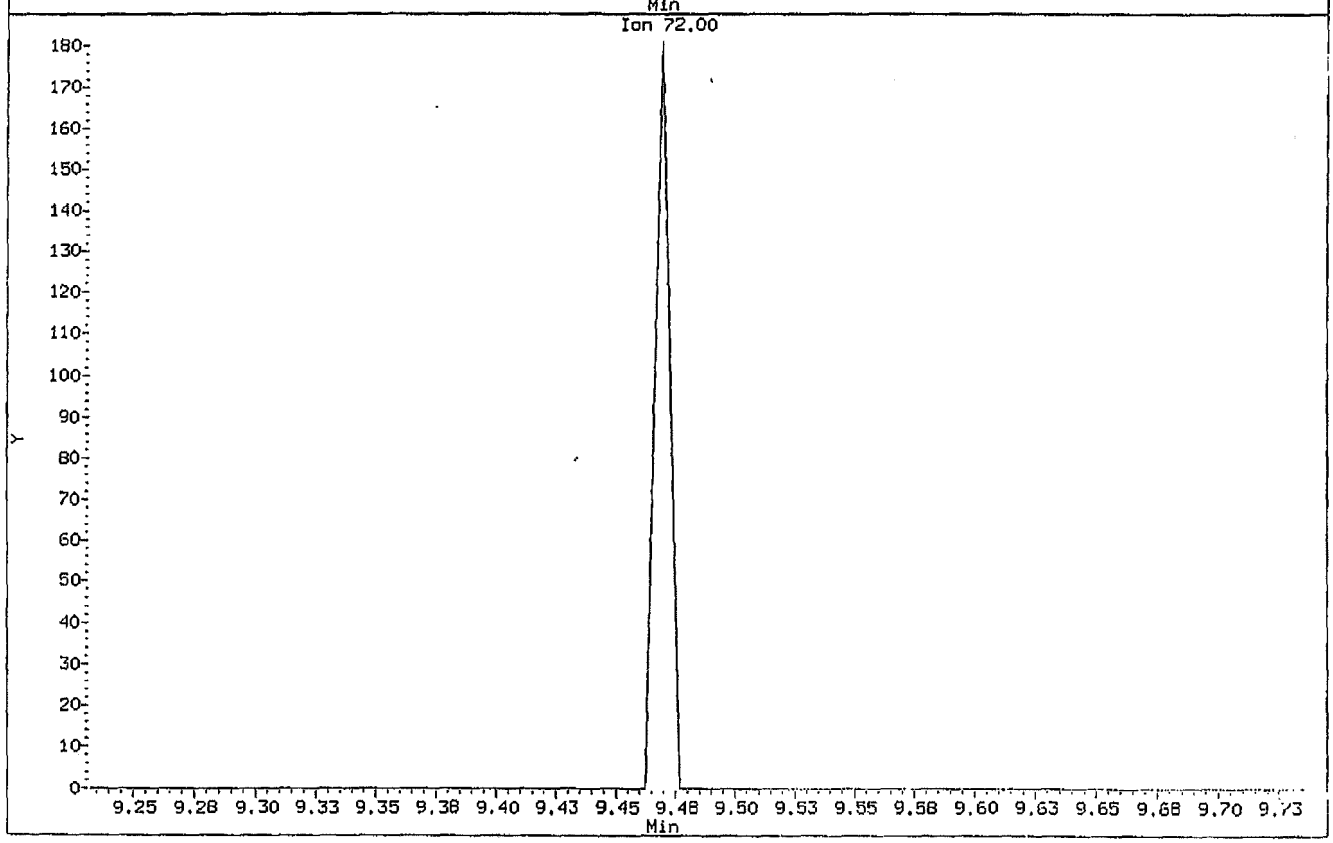


001759

Data File: /chem/hp7.i/H71107a.b/57534.D
Injection Date: 08-NOV-2000 02:49
Instrument: hp7.i
Client Sample ID:

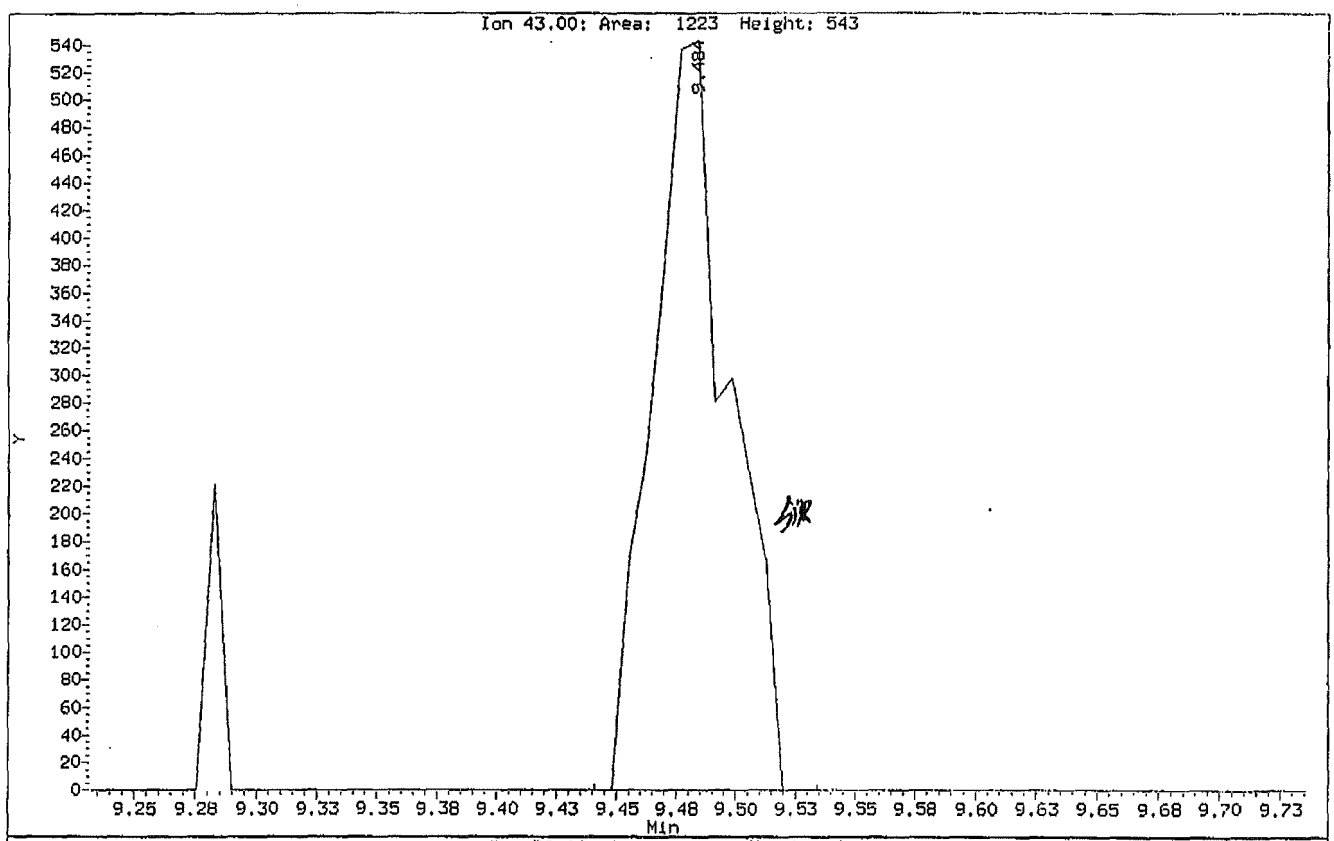
Compound: 2-Butanone
CAS Number: 78-93-3

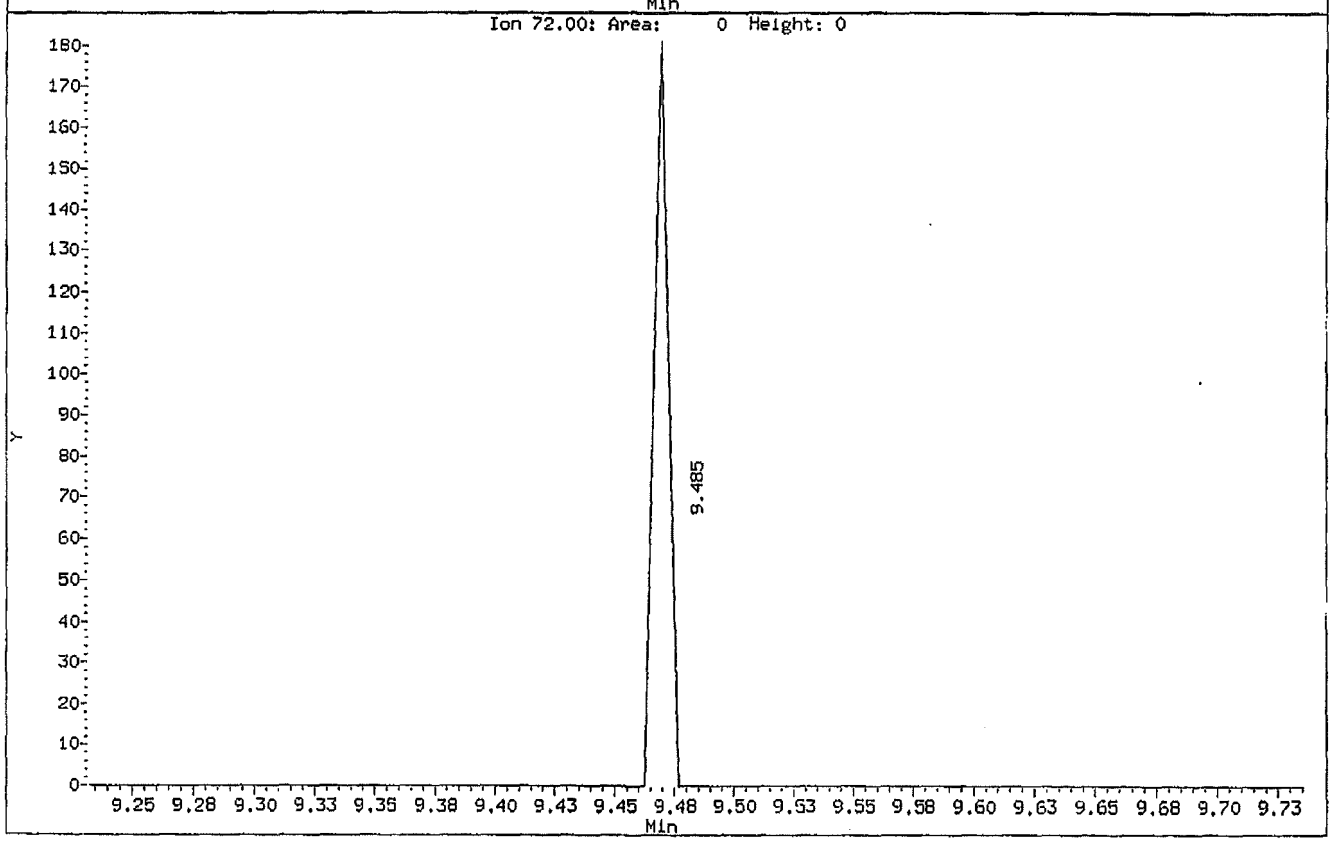




Data File: /chem/hp7.i/H71107a.b/S7534.D
Injection Date: 08-NOV-2000 02:49
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3





001761

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7534.D
Lab Smp Id: DM9F11A1
Inj Date : 08-NOV-2000 02:49
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9F11A1;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.864	10.872	(0.940)	208724	49.8197	49.8197
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.561	11.135	(1.000)	7345	1.08774	1.08774
* 32 1,4-Difluorobenzene	114	11.561	11.569	(1.000)	527033	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.947	13.955	(1.206)	549449	45.1926	45.1926
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	52 1-Chlorohexane	91	16.210	16.161	(1.000)	1293	0.31915	0.319154
*	50 Chlorobenzene-d5	117	16.210	16.218	(1.000)	416303	50.0000	
	51 Chlorobenzene (**)	112.00	Compound Not Detected.					
	53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
	54 Ethylbenzene (*)	106.00	Compound Not Detected.					
	55 Xylenes (m,p)	106.00	Compound Not Detected.					
M	132 Xylenes (Total)	106.00	Compound Not Detected.					
	56 Xylene (o)	106.00	Compound Not Detected.					
	57 Styrene	104.00	Compound Not Detected.					
	58 Bromoform (**)	173.00	Compound Not Detected.					
	59 Isopropylbenzene	105.00	Compound Not Detected.					
$	60 4-Bromofluorobenzene	95	18.014	18.015	(1.111)	191890	42.0717	42.0716
	62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
	130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
	63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
	61 Bromobenzene	156.00	Compound Not Detected.					
	64 N-Propylbenzene	91.00	Compound Not Detected.					
	65 2-Chlorotoluene	91.00	Compound Not Detected.					
	67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
	66 4-Chlorotoluene	91.00	Compound Not Detected.					
	68 T-Butylbenzene	119.00	Compound Not Detected.					
	69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
	70 Sec-Butylbenzene	105.00	Compound Not Detected.					
	73 P-Isopropyltoluene	119.00	Compound Not Detected.					
	71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
*	72 1,4 Dichlorobenzene-d4	152	19.811	19.819	(1.000)	197149	50.0000	
	74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
	76 N-Butylbenzene	91.00	Compound Not Detected.					
	75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
	77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
	78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
	79 Hexachlorobutadiene	225.00	Compound Not Detected.					
	80 Napthalene	128.00	Compound Not Detected.					
	81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7534.D
Lab Smp Id: DM9F11A1
Inj Date : 08-NOV-2000 02:49
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9F11A1;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7534.D
Lab Smp Id: DM9F11A1
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

SAR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	527033	-5.40
50 Chlorobenzene-d5	506760	253380	1013520	416303	-17.85
72 1,4 Dichlorobenze	290615	145308	581230	197149	-32.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.56	-0.07
50 Chlorobenzene-d5	16.22	15.72	16.72	16.21	-0.05
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.81	-0.04

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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9F11A1
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	49.8197	99.64	75-125
$ 41 Toluene-d8	50.0000	45.1926	90.39	75-125
$ 60 4-Bromofluorobenze	50.0000	42.0716	84.14	80-120

STL Sacramento

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9F11A1
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

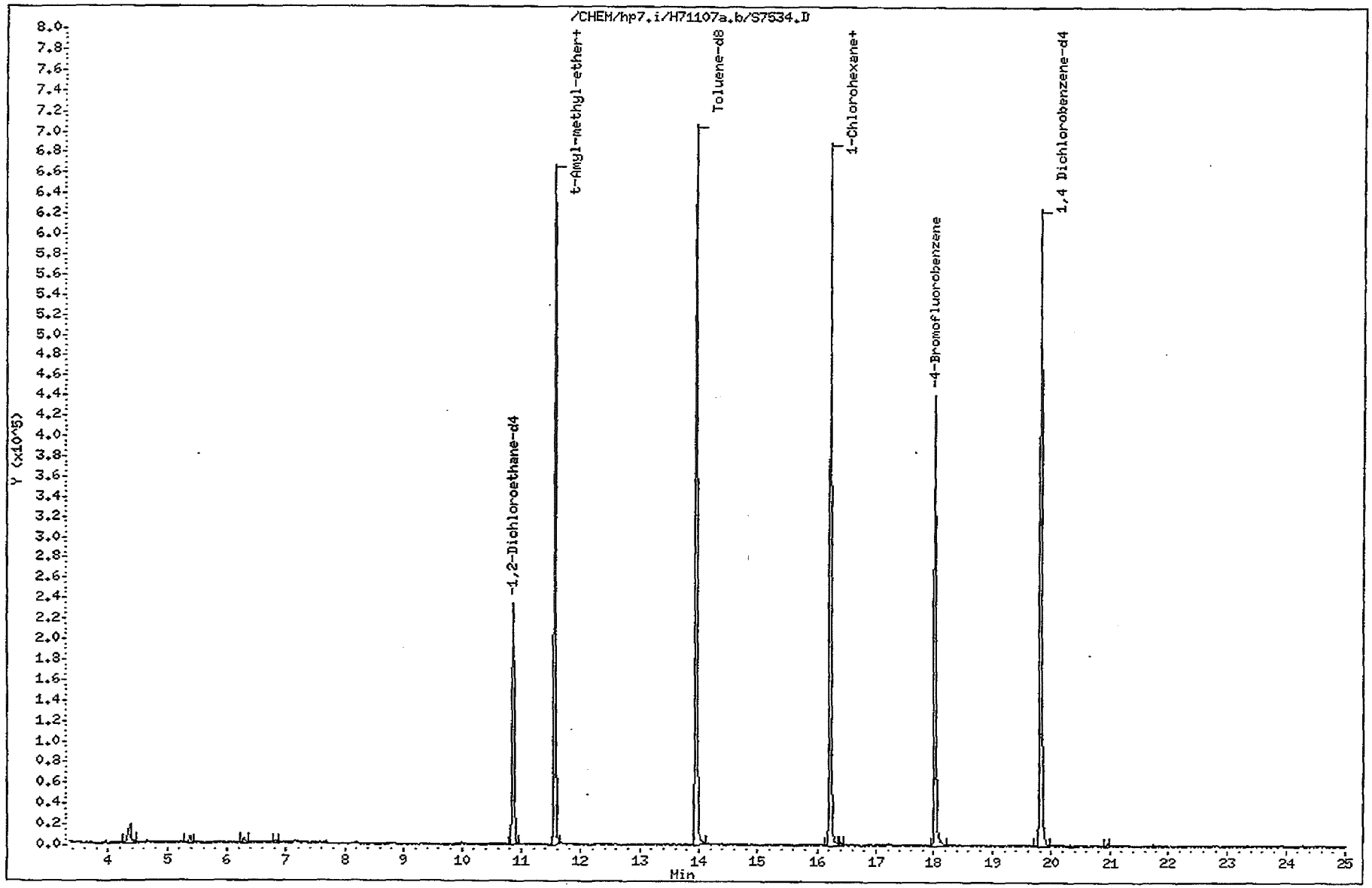
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107a.b/S7534.D
Date : 08-NOV-2000 02:49
Client ID:
Sample Info: DM9F11A1;Barmbys;0;;;;2

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53

Column phase:



BOE-C6-0175307

001769

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107a.b\S7535.D
Lab Smp Id: DM9GF1A0 RI
Inj Date : 08-NOV-2000 03:19
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GF1A0 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40
Processing Host: SACP2006

"NO [illegible] TIC'S [illegible]"

SMA 11/9/00

Compound Sublist: ALL.sub

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.300	6.301	(0.545)	7735	8.17675	8.17675 (M) SMA 11/9/00
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43	9.483	9.485	(0.820)	1001	0.854[illegible]6	0.854155(M) SPB 11/5/00
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.863	10.872	(0.939)	193272	47.6007	47.6007
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.567	11.135	(1.000)	~~8087~~	~~1.23577~~	~~1.23577~~ ND
* 32 1,4-Difluorobenzene	114	11.567	11.569	(1.000)	510766	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (Xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.953	13.955	(1.206)	542404	46.0340	46.0340
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(Xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
52 1-Chlorohexane	91	16.210	16.161	(1.000)	~~1697~~	~~0.27391~~	~~0.275911~~ NJ
* 50 Chlorobenzene-d5	117	16.217	16.218	(1.000)	411537	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.013	18.015	(1.111)	185545	41.1516	41.1516
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.819	(1.000)	195785	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

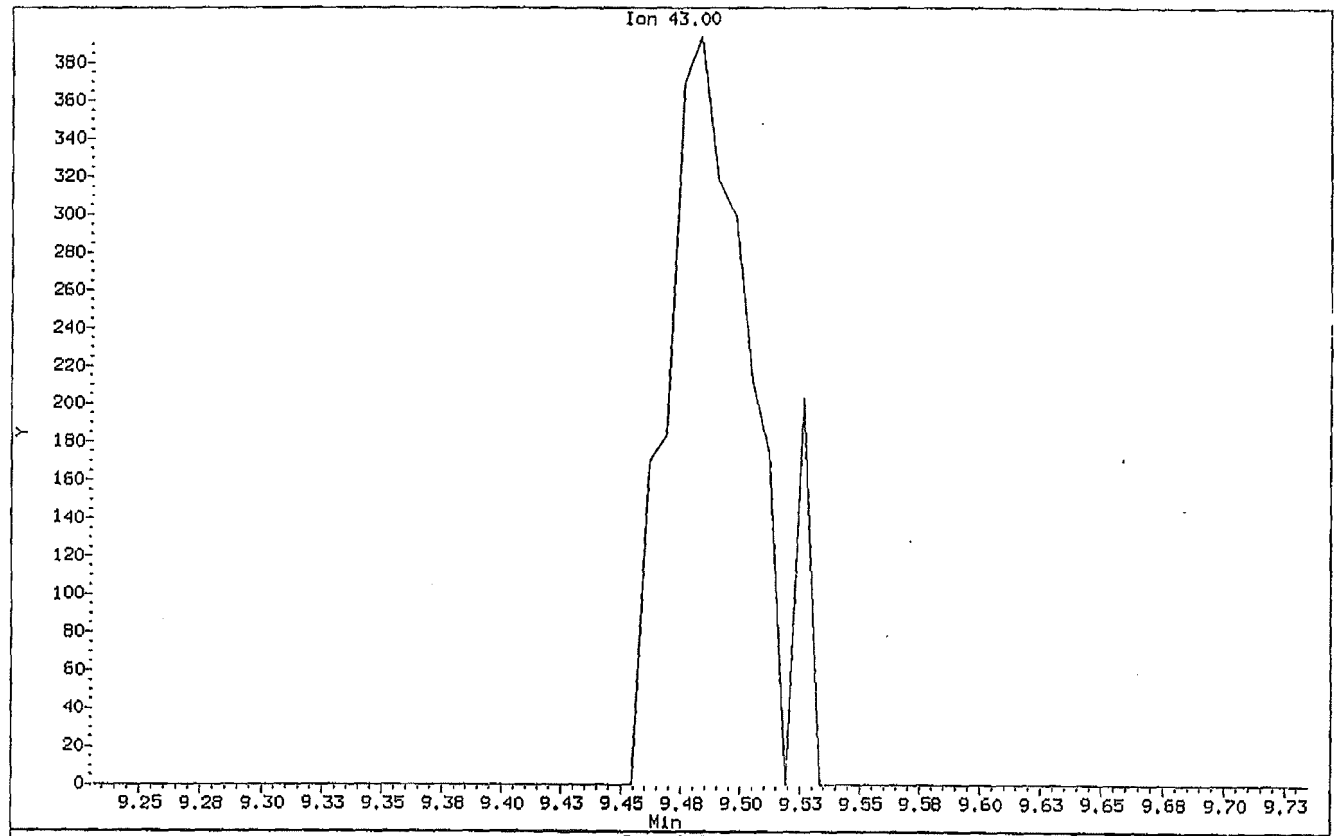
0 - peak not found

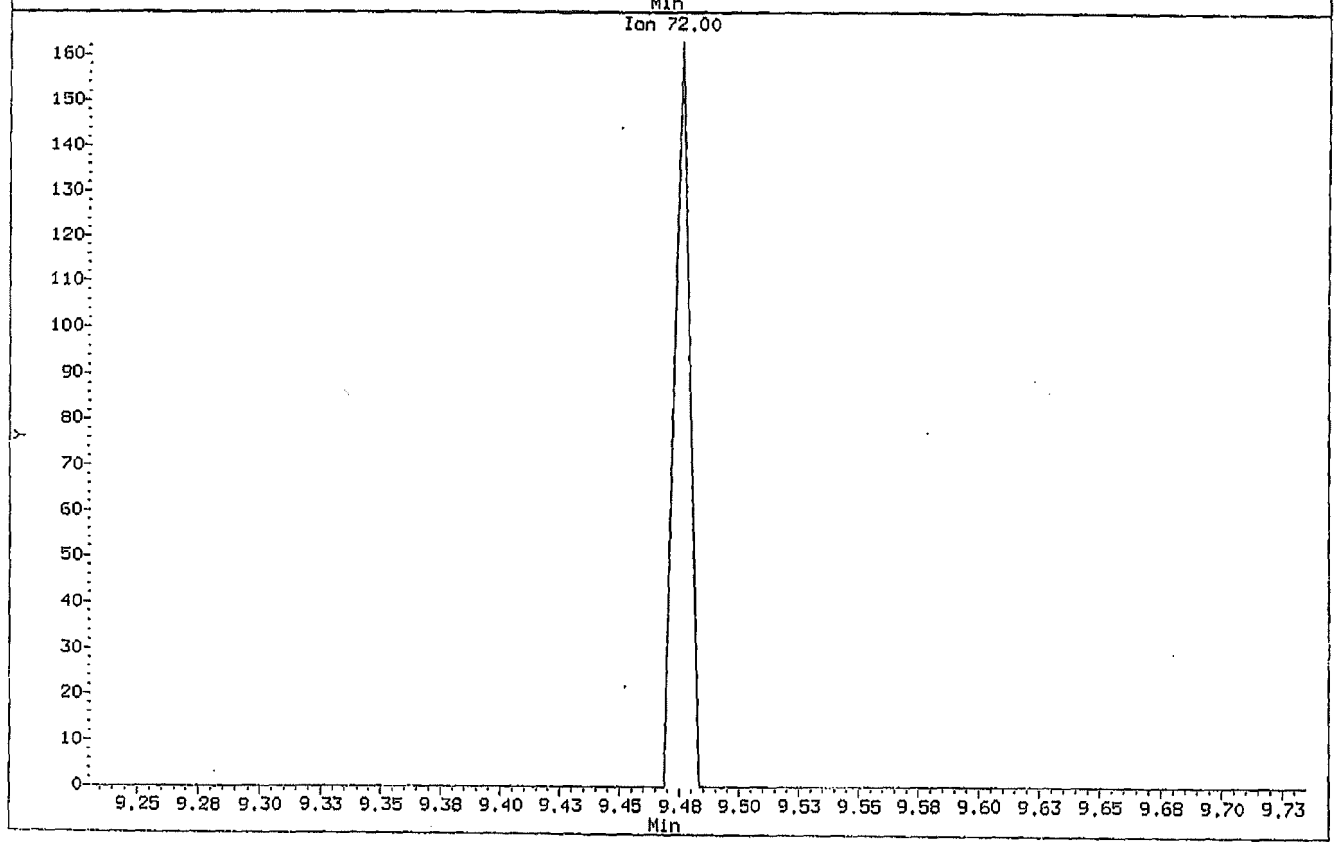
QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/hp7.i/H71107a.b/S7535.D
Injection Date: 08-NOV-2000 03:19
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3

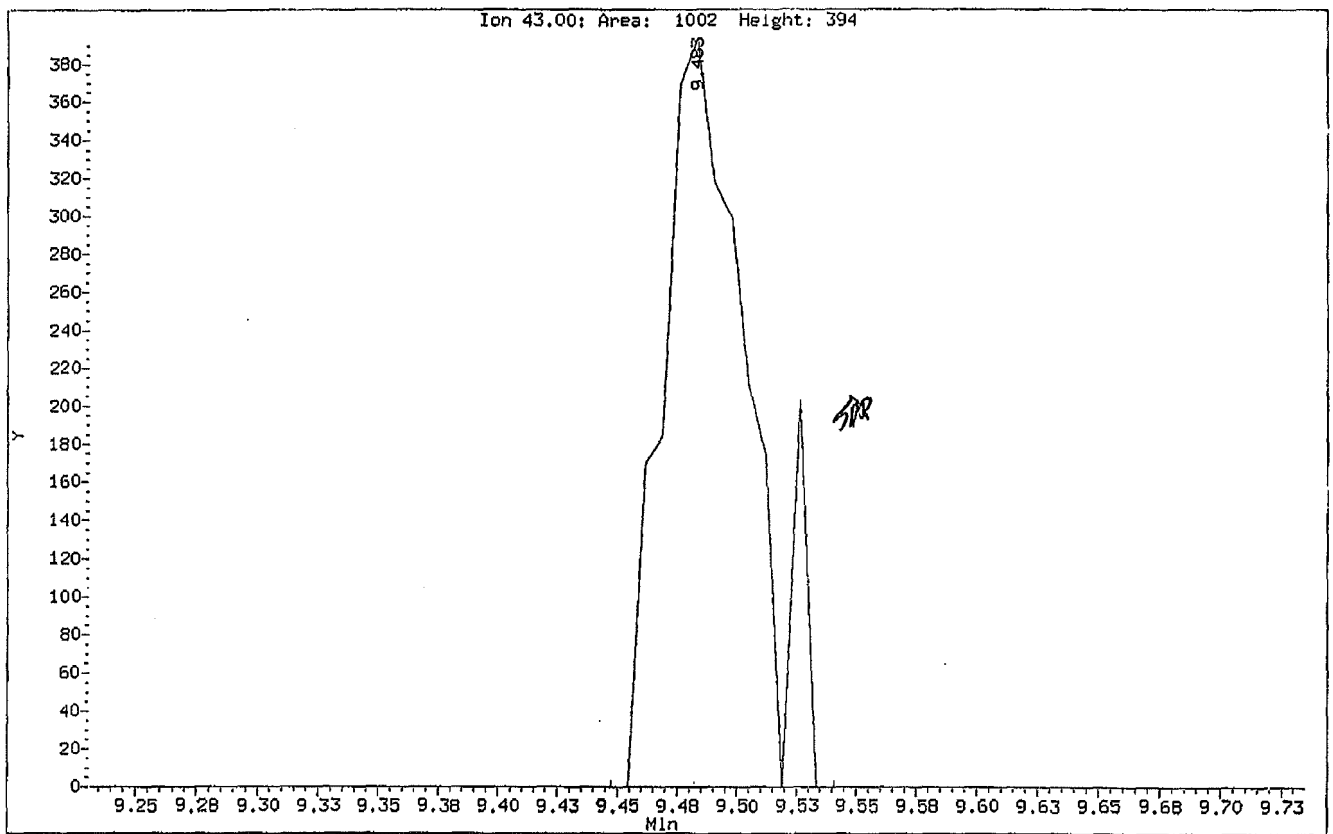


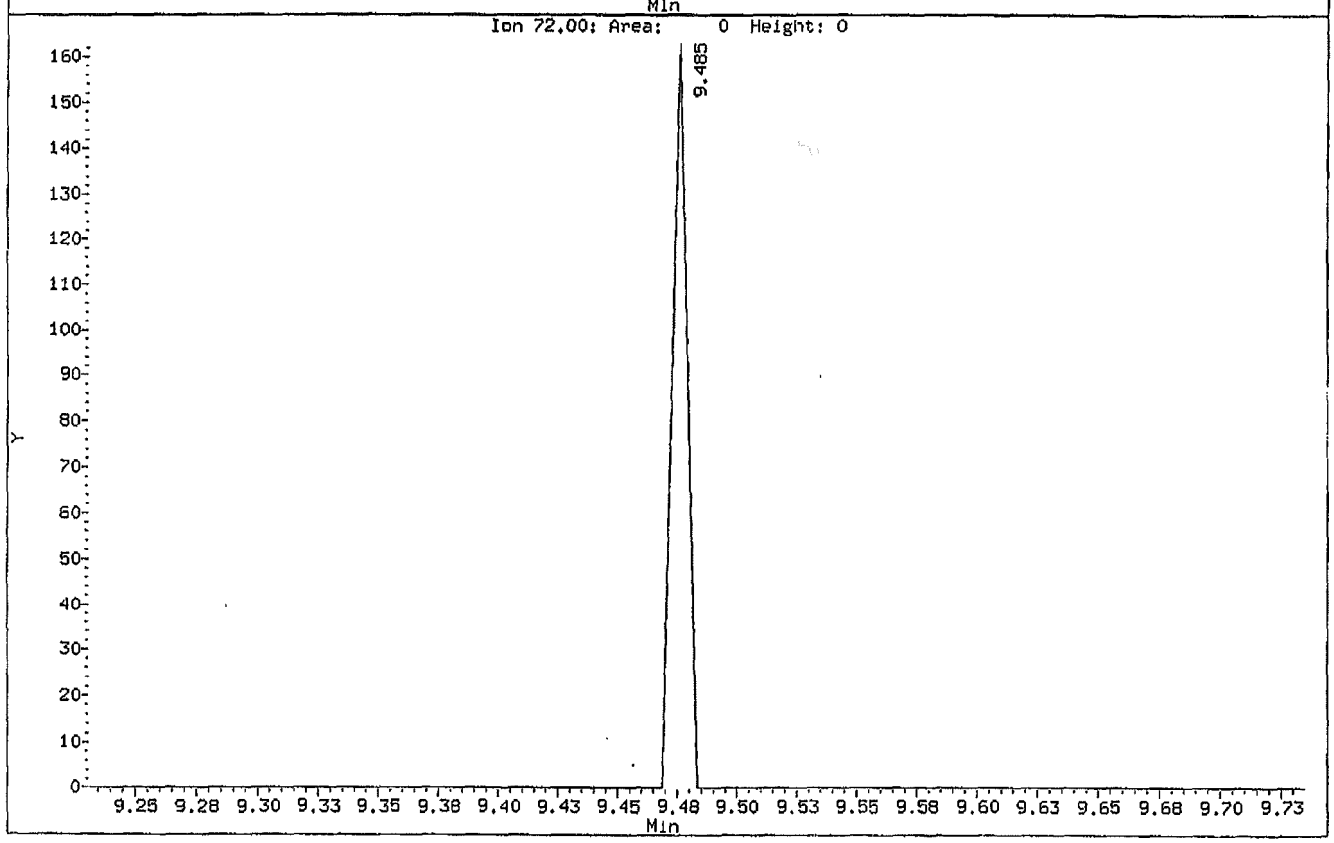


001773

Data File: /chem/hp7.i/H71107a.b/S7535.D
Injection Date: 08-NOV-2000 03:19
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3

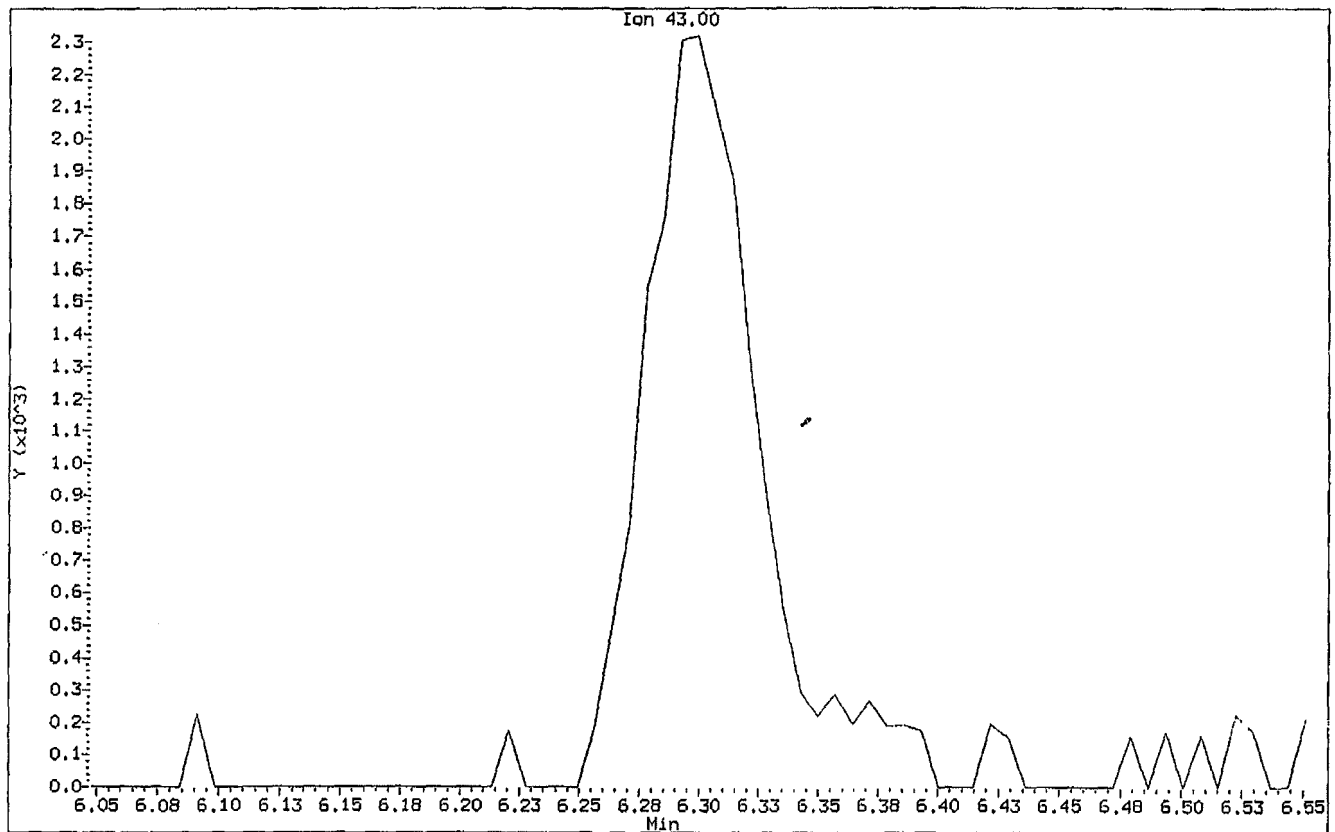


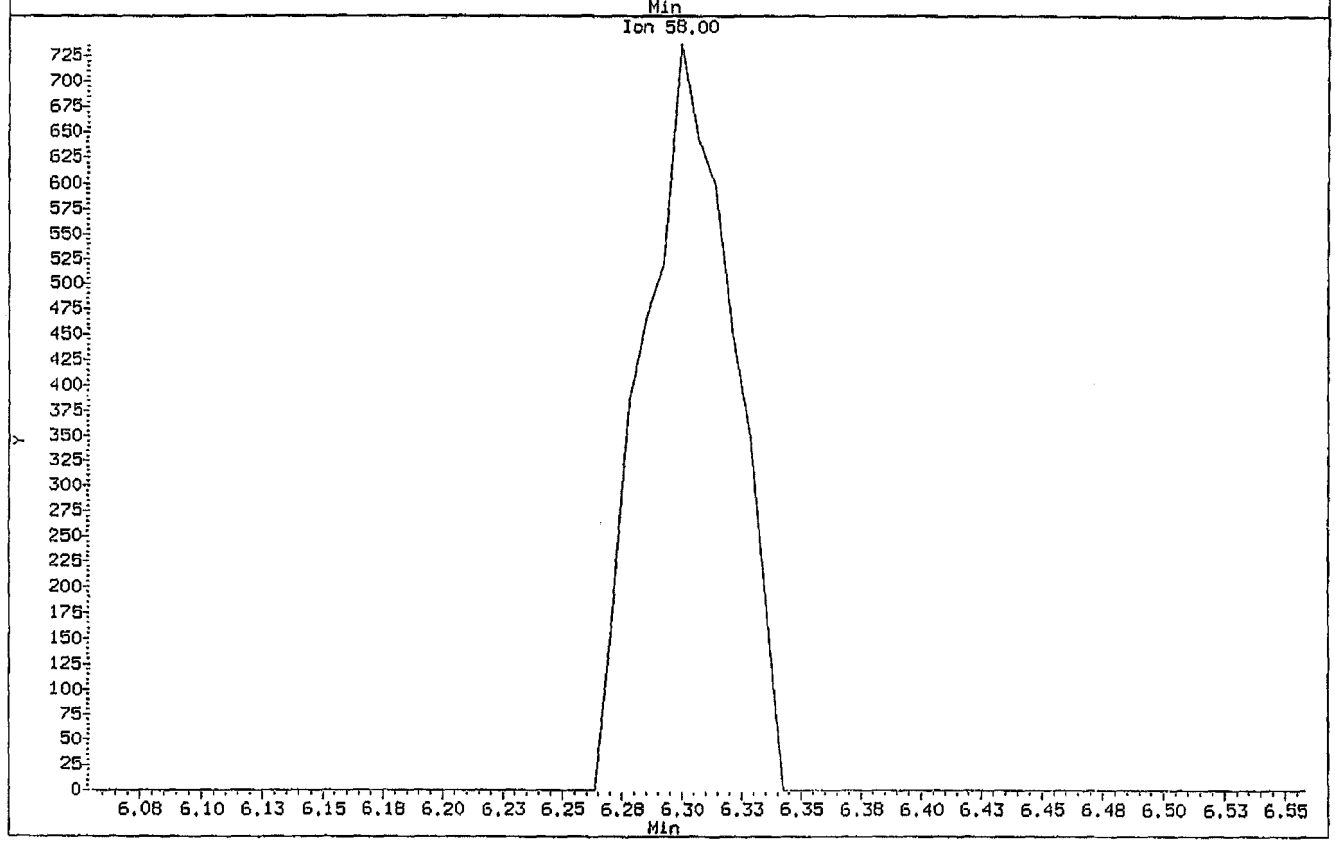


001774

Data File: /chem/hp7.i/H71107a.b/S7535.D
Injection Date: 08-NOV-2000 03:19
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1

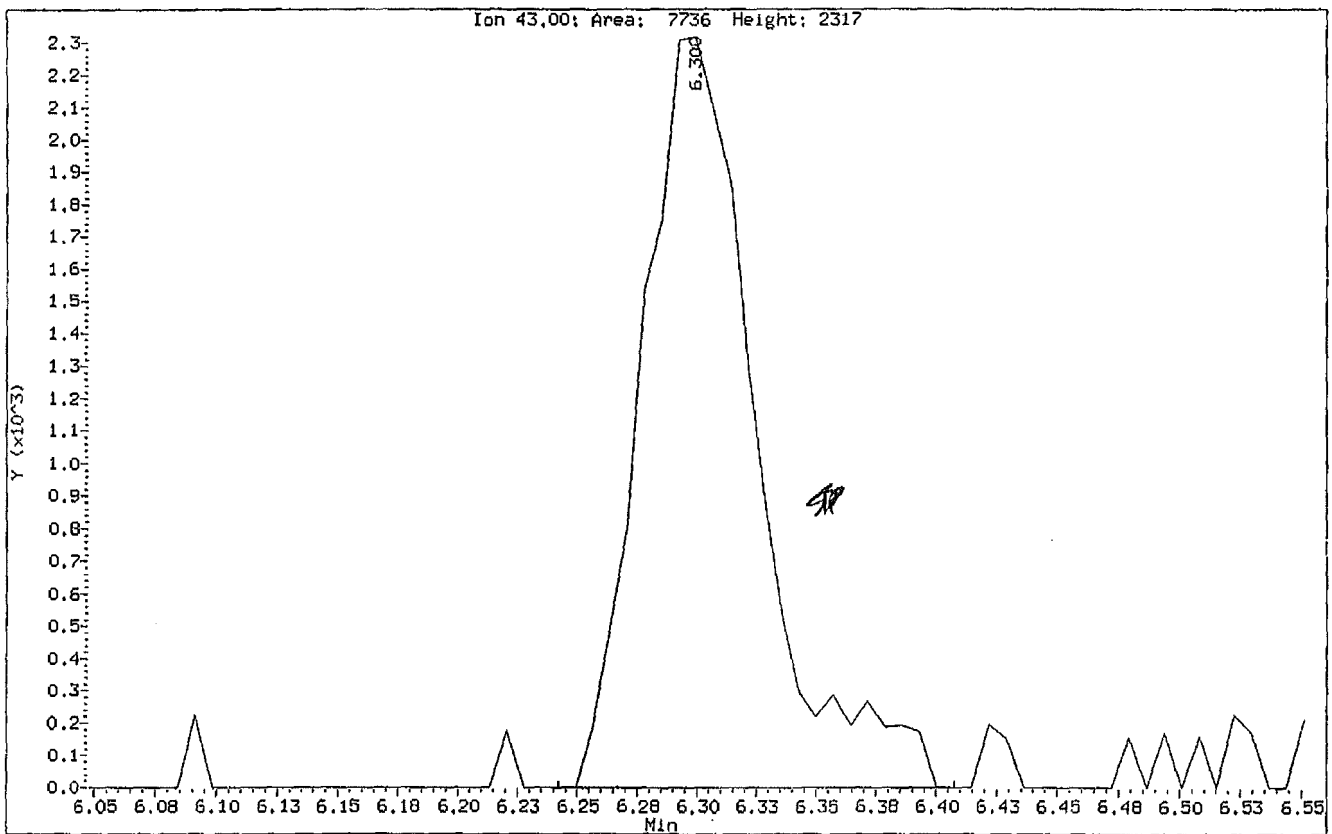


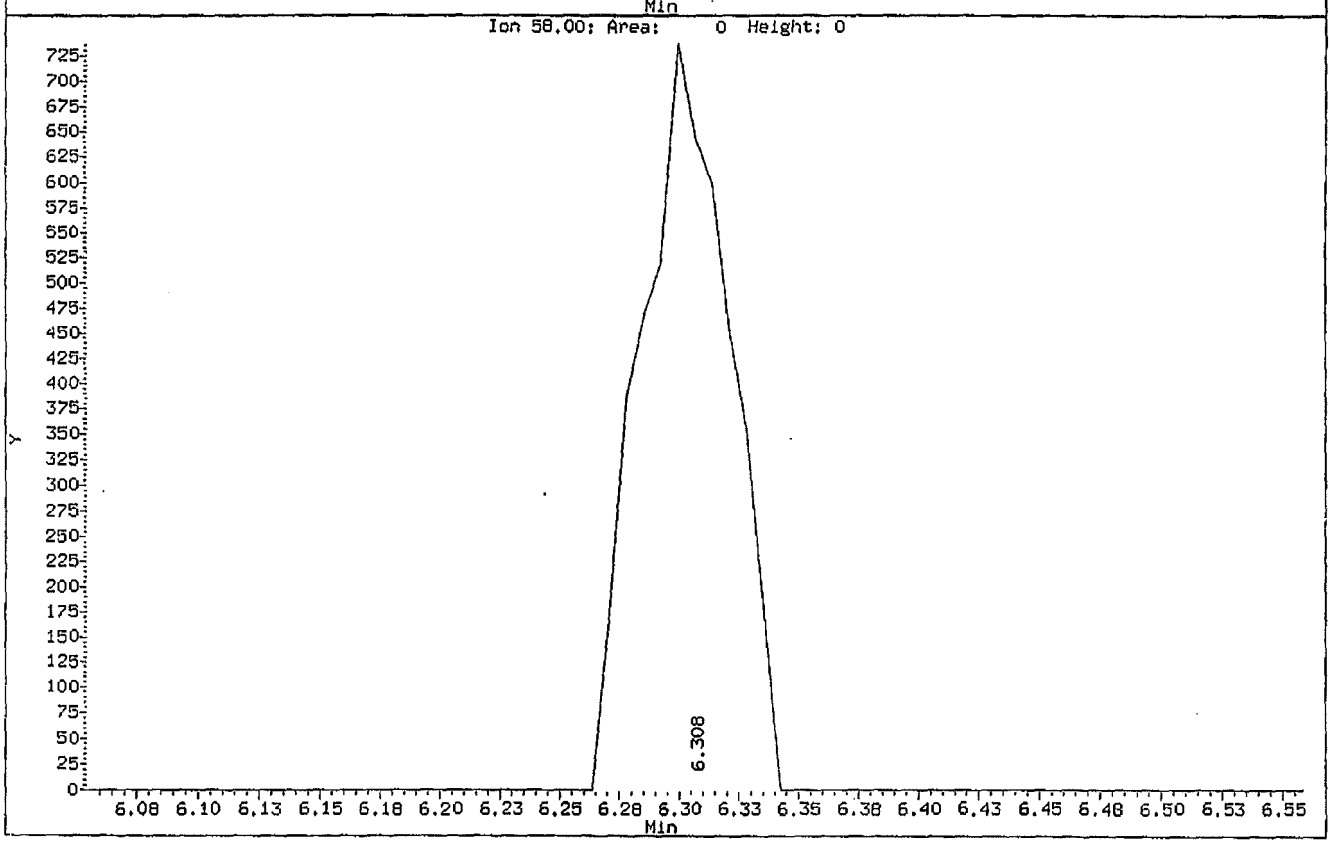


001775

Data File: /chem/hp7.i/H71107a.b/S7535.D
Injection Date: 08-NOV-2000 03:19
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1





001776

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7535.D
Lab Smp Id: DM9GF1A0 RI
Inj Date : 08-NOV-2000 03:19
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GF1A0 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.863	10.872	(0.939)	193272	47.6007	47.6007
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.567	11.135	(1.000)	8087	1.23577	1.23577
* 32 1,4-Difluorobenzene	114	11.567	11.569	(1.000)	510766	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.953	13.955	(1.206)	542404	46.0340	46.0340
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
52 1-Chlorohexane	91	16.210	16.161	(1.000)	1097	0.27391	0.273911
* 50 Chlorobenzene-d5	117	16.217	16.218	(1.000)	411537	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.013	18.015	(1.111)	185545	41.1516	41.1516
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.819	(1.000)	195785	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7535.D
Lab Smp Id: DM9GF1A0 RI
Inj Date : 08-NOV-2000 03:19
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GF1A0 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7535.D
Lab Smp Id: DM9GF1A0 RI
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	510766	-8.32
50 Chlorobenzene-d5	506760	253380	1013520	411537	-18.79
72 1,4 Dichlorobenze	290615	145308	581230	195785	-32.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.57	-0.01
50 Chlorobenzene-d5	16.22	15.72	16.72	16.22	-0.01
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.81	-0.04

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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9GF1A0 RI
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	47.6007	95.20	75-125
$ 41 Toluene-d8	50.0000	46.0340	92.07	75-125
$ 60 4-Bromofluorobenze	50.0000	41.1516	82.30	80-120

STL Sacramento

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9GF1A0 RI
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

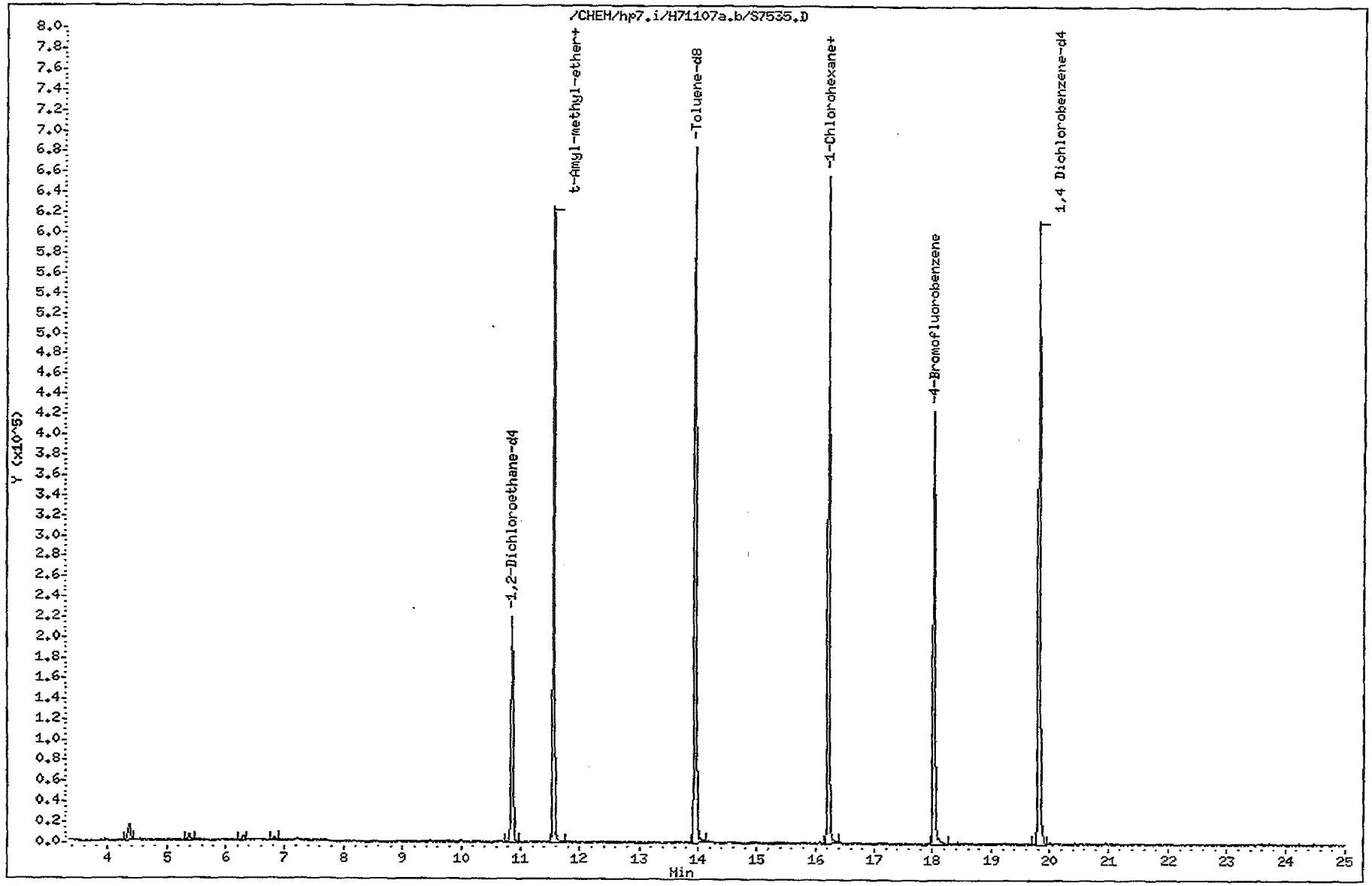
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107a.b/S7535.D
Date : 08-NOV-2000 03:19
Client ID:
Sample Info: DM9GF1A0 RI:Barmbys:0::::2

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



BOE-C6-0175322

001784

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107a.b\S7537.D
Lab Smp Id: DM9GV1A1 RI
Inj Date : 08-NOV-2000 04:20
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GV1A1 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

"NO [illegible] TIC'S PRESENT"

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.298	6.301	(0.545)	5728	6.52400	6.52400(M)
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.869	10.872	(0.940)	180776	47.9699	47.9699
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.558	11.135	(0.999)	~~6682~~	~~1.10029~~	~~1.10029~~
* 32 1,4-Difluorobenzene	114	11.566	11.569	(1.000)	474066	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.951	13.955	(1.206)	488882	44.7036	44.7036
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	52 1-Chlorohexane	91	16.215	16.161	(1.000)	~~890~~	~~0.25976~~	~~0.259764~~ NA
*	50 Chlorobenzene-d5	117	16.215	16.218	(1.000)	352065	50.0000	
	51 Chlorobenzene (**)	112.00	Compound Not Detected.					
	53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
	54 Ethylbenzene (*)	106.00	Compound Not Detected.					
	55 Xylenes (m,p)	106.00	Compound Not Detected.					
M	132 Xylenes (Total)	106.00	Compound Not Detected.					
	56 Xylene (o)	106.00	Compound Not Detected.					
	57 Styrene	104.00	Compound Not Detected.					
	58 Bromoform (**)	173.00	Compound Not Detected.					
	59 Isopropylbenzene	105.00	Compound Not Detected.					
$	60 4-Bromofluorobenzene	95	18.019	18.015	(1.111)	154333	40.0113	40.0113
	62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
	130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
	63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
	61 Bromobenzene	156.00	Compound Not Detected.					
	64 N-Propylbenzene	91.00	Compound Not Detected.					
	65 2-Chlorotoluene	91.00	Compound Not Detected.					
	67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
	66 4-Chlorotoluene	91.00	Compound Not Detected.					
	68 T-Butylbenzene	119.00	Compound Not Detected.					
	69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
	70 Sec-Butylbenzene	105.00	Compound Not Detected.					
	73 P-Isopropyltoluene	119.00	Compound Not Detected.					
	71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
*	72 1,4 Dichlorobenzene-d4	152	19.816	19.819	(1.000)	146724	50.0000	
	74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
	76 N-Butylbenzene	91.00	Compound Not Detected.					
	75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
	77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
	78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
	79 Hexachlorobutadiene	225.00	Compound Not Detected.					
	80 Napthalene	128.00	Compound Not Detected.					
	81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

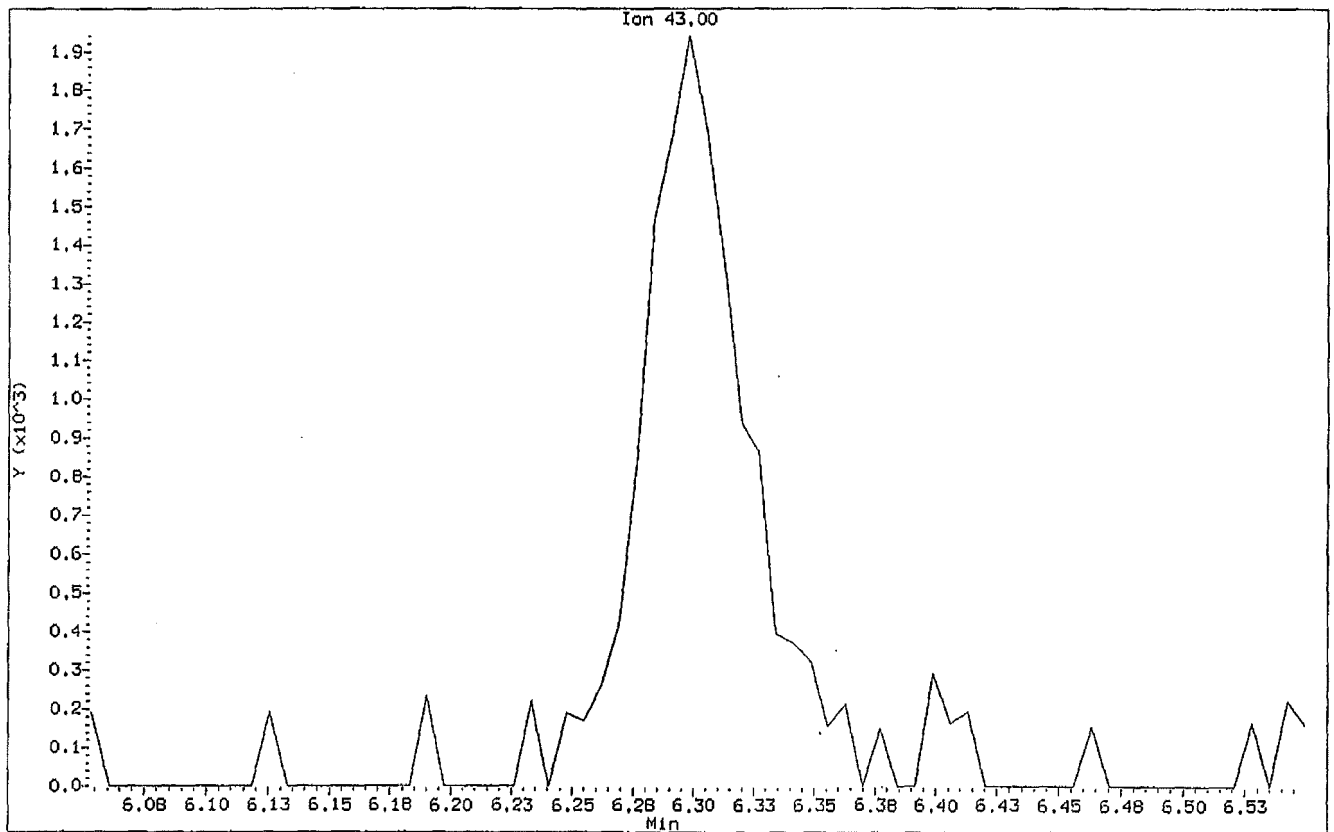
0-peak not found

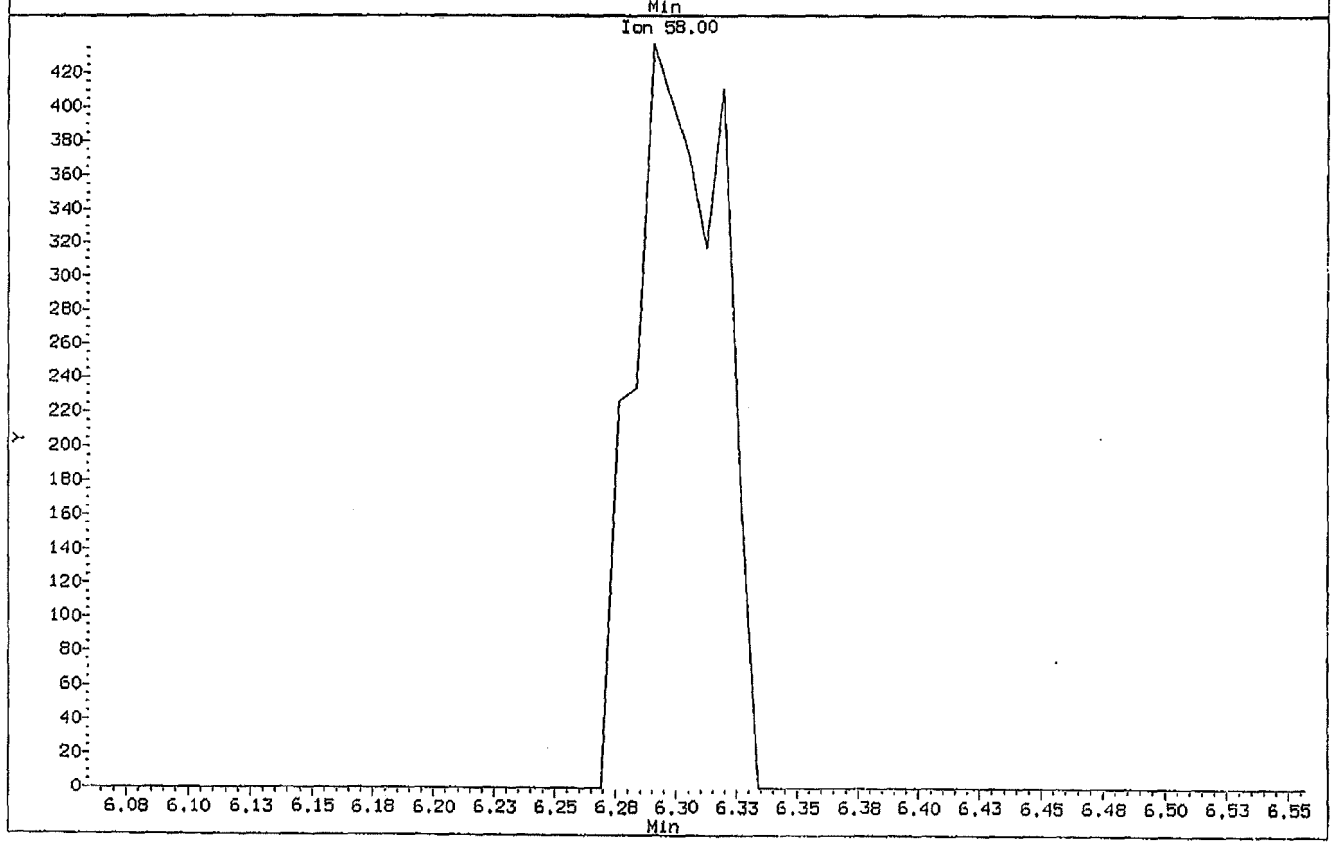
QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/hp7.i/H71107a,b/S7537.D
Injection Date: 08-NOV-2000 04:20
Instrument: hp7.i
Client Sample ID:

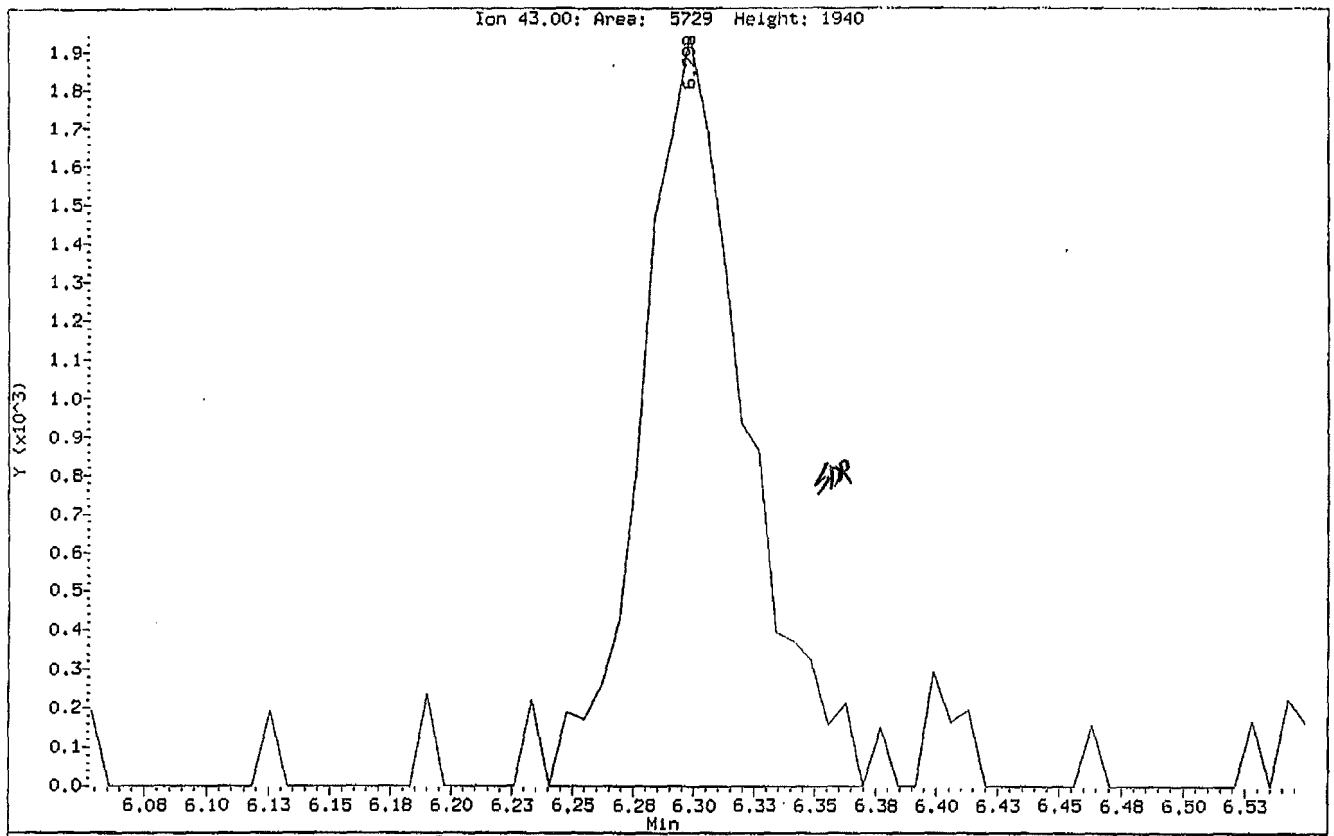
Compound: Acetone
CAS Number: 67-64-1

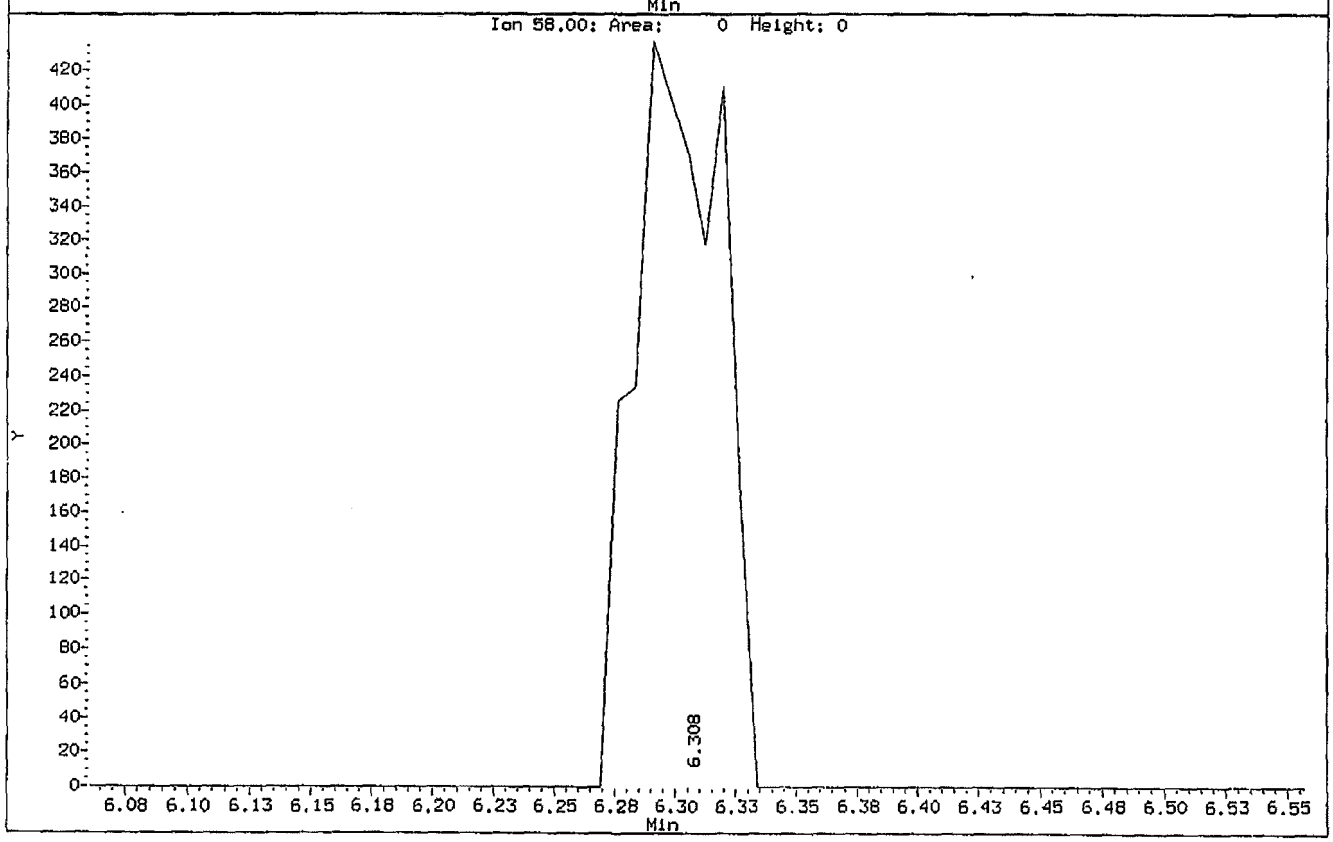




Data File: /chem/hp7.i/H71107a.b/S7537.D
Injection Date: 08-NOV-2000 04:20
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1





001789

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7537.D
Lab Smp Id: DM9GV1A1 RI
Inj Date : 08-NOV-2000 04:20
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GV1A1 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.869	10.872	(0.940)	180776	47.9699	47.9699
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.558	11.135	(0.999)	6683	1.10029	1.10028
* 32 1,4-Difluorobenzene	114	11.566	11.569	(1.000)	474066	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.951	13.955	(1.206)	488882	44.7036	44.7036
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
52 1-Chlorohexane	91	16.215	16.161	(1.000)	890	0.25976	0.259764
* 50 Chlorobenzene-d5	117	16.215	16.218	(1.000)	352065	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.019	18.015	(1.111)	154333	40.0113	40.0113
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.816	19.819	(1.000)	146724	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7537.D
Lab Smp Id: DM9GV1A1 RI
Inj Date : 08-NOV-2000 04:20
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9GV1A1 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7537.D
Lab Smp Id: DM9GV1A1 RI
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	474066	-14.91
50 Chlorobenzene-d5	506760	253380	1013520	352065	-30.53
72 1,4 Dichlorobenze	290615	145308	581230	146724	-49.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.57	-0.03
50 Chlorobenzene-d5	16.22	15.72	16.72	16.22	-0.02
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.82	-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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9GV1A1 RI
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	47.9699	95.94	75-125
$ 41 Toluene-d8	50.0000	44.7036	89.41	75-125
$ 60 4-Bromofluorobenze	50.0000	40.0113	80.02	80-120

STL Sacramento

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9GV1A1 RI
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

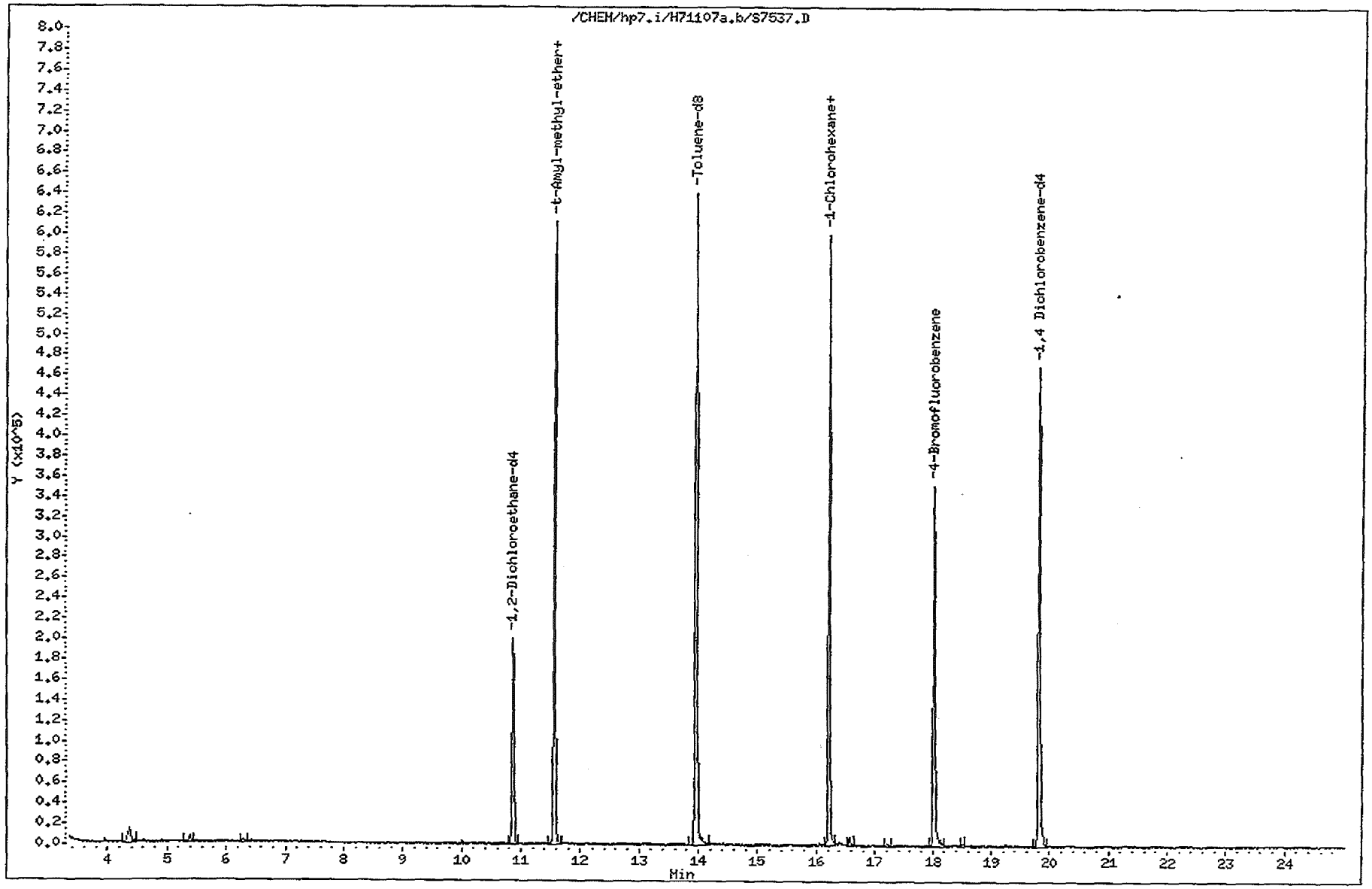
CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107a.b/S7537.D
Date : 08-NOV-2000 04:20
Client ID:
Sample Info: DM9GV1A1 RI;Barmbys;0;;;;2

Instrument: hp7.i
Operator: Barmbys
Column diameter: 0.53

Column phase:



BOE-C6-0175335

001797

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107a.b\S7538.D
Lab Smp Id: DM9G01A1 RI
Inj Date : 08-NOV-2000 04:51
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G01A1 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

SDM 11/9/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.297	6.301	(0.544)	10069	11.3532	11.3532 (M)
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

(1) SDM 11/9/00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/kg)
	7 t-Butanol	59.00	Compound Not Detected.					
	122 Acrylonitrile	53.00	Compound Not Detected.					
	15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
	14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M	131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
	13 Hexane	57.00	Compound Not Detected.					
	18 Vinyl acetate	43.00	Compound Not Detected.					
	17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
	16 Isopropyl ether	45.00	Compound Not Detected.					
	123 Chloroprene	53.00	Compound Not Detected.					
	19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
	22 2-Butanone	43.00	Compound Not Detected.					
	21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
	20 2,2-Dichloropropane	77.00	Compound Not Detected.					
	124 Propionitrile	54.00	Compound Not Detected.					
	125 Methacrylonitrile	41.00	Compound Not Detected.					
	23 Bromochloromethane	128.00	Compound Not Detected.					
	24 Chloroform (*)	83.00	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
	28 1,1-Dichloropropene	75.00	Compound Not Detected.					
	27 Carbon Tetrachloride	117.00	Compound Not Detected.					
	127 Isobutanol	43.00	Compound Not Detected.					
$	29 1,2-Dichloroethane-d4	65	10.867	10.872	(0.940)	192019	50.4461	50.4461
	30 Benzene	78.00	Compound Not Detected.					
	31 1,2-Dichloroethane	62.00	Compound Not Detected.					
	126 Cyclohexane	56.00	Compound Not Detected.					
	26 t-Amyl-methyl-ether	73	11.565	11.135	(1.000)	~~7468~~	~~1.21729~~	~~1.21729~~
*	32 1,4-Difluorobenzene	114	11.565	11.569	(1.000)	478832	50.0000	
	33 Trichloroethene	95.00	Compound Not Detected.					
	34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
	128 Methyl Methacrylate	41.00	Compound Not Detected.					
	35 1,4-Dioxane	88.00	Compound Not Detected.					
	36 Dibromomethane	93.00	Compound Not Detected.					
	37 Bromodichloromethane	83.00	Compound Not Detected.					
	38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
	39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
	40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$	41 Toluene-d8	98	13.950	13.955	(1.206)	514786	46.6038	46.6038
	42 Toluene (*)	92.00	Compound Not Detected.					
	43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
	129 Ethyl Methacrylate	69.00	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
	46 1,3-Dichloropropane	76.00	Compound Not Detected.					
	45 Tetrachloroethene	166.00	Compound Not Detected.					
	47 2-Hexanone	43.00	Compound Not Detected.					
	48 Dibromochloromethane	129.00	Compound Not Detected.					
	49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
52 1-Chlorohexane	91	16.221	16.161	(1.000)	865	0.23385	0.233848 NA
* 50 Chlorobenzene-d5	117	16.214	16.218	(1.000)	380096	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.018	18.015	(1.111)	174756	41.9648	41.9648
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.819	(1.000)	183278	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

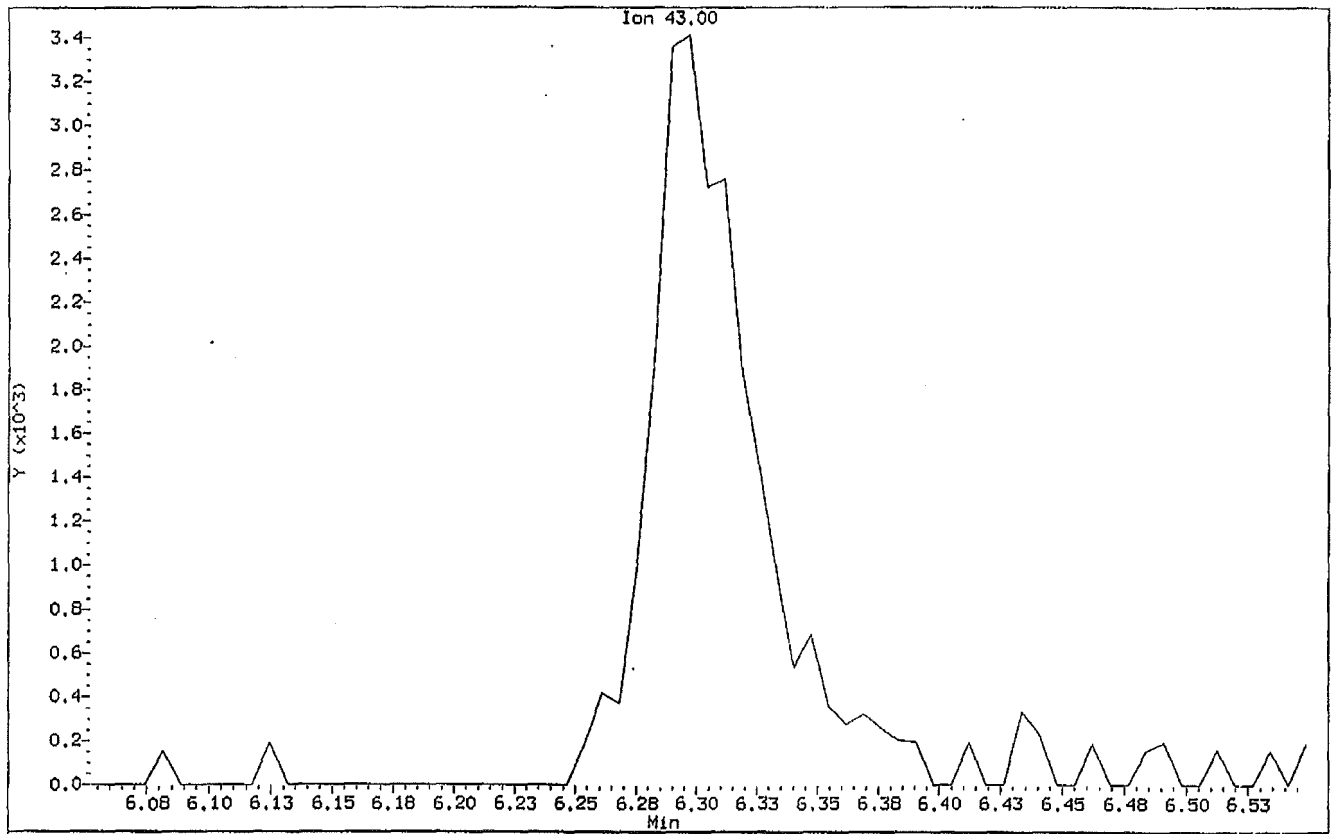
QC Flag Legend

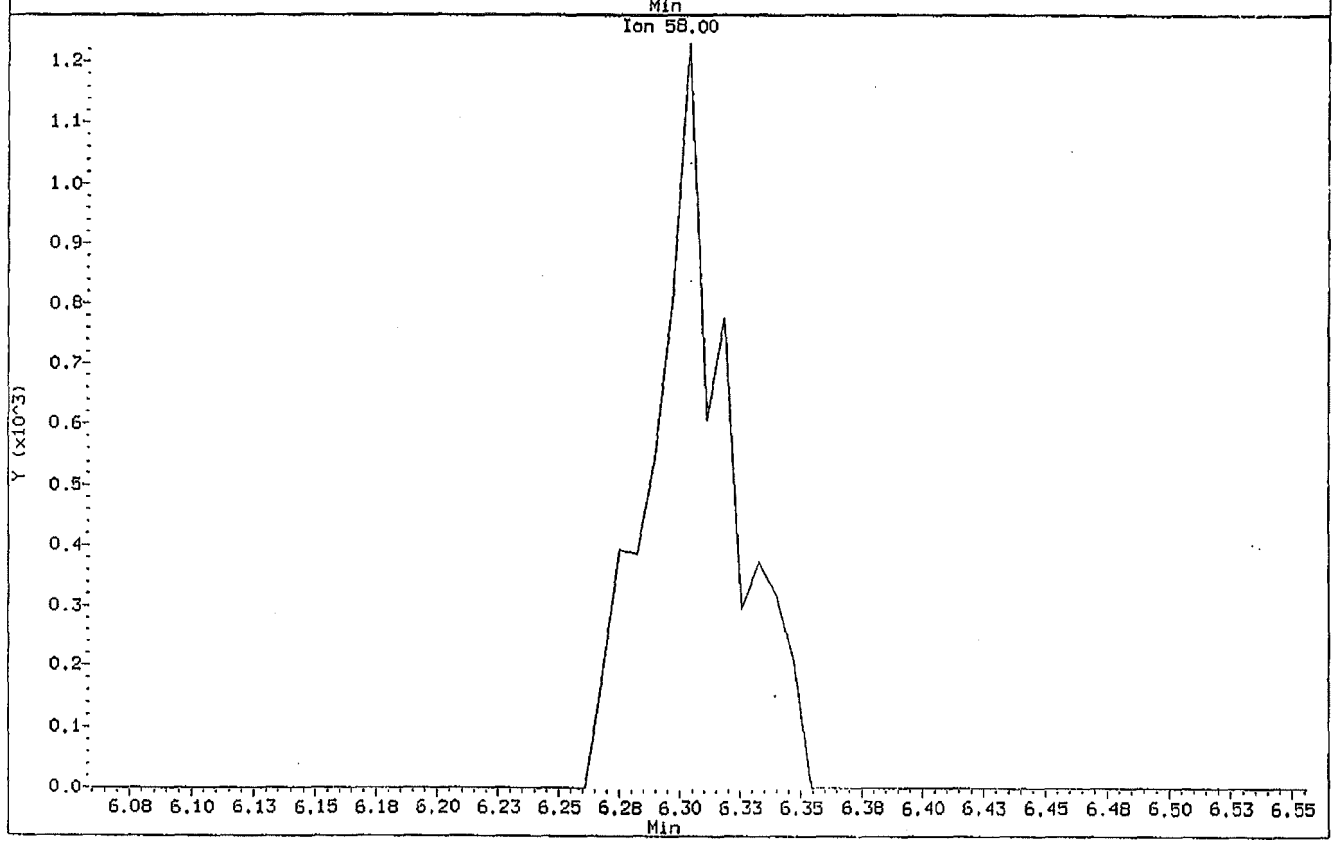
(1)-peak not found

M - Compound response manually integrated.

Data File: /chem/hp7.i/H71107a.b/S7538.D
Injection Date: 08-NOV-2000 04:51
Instrument: hp7.i
Client Sample ID:

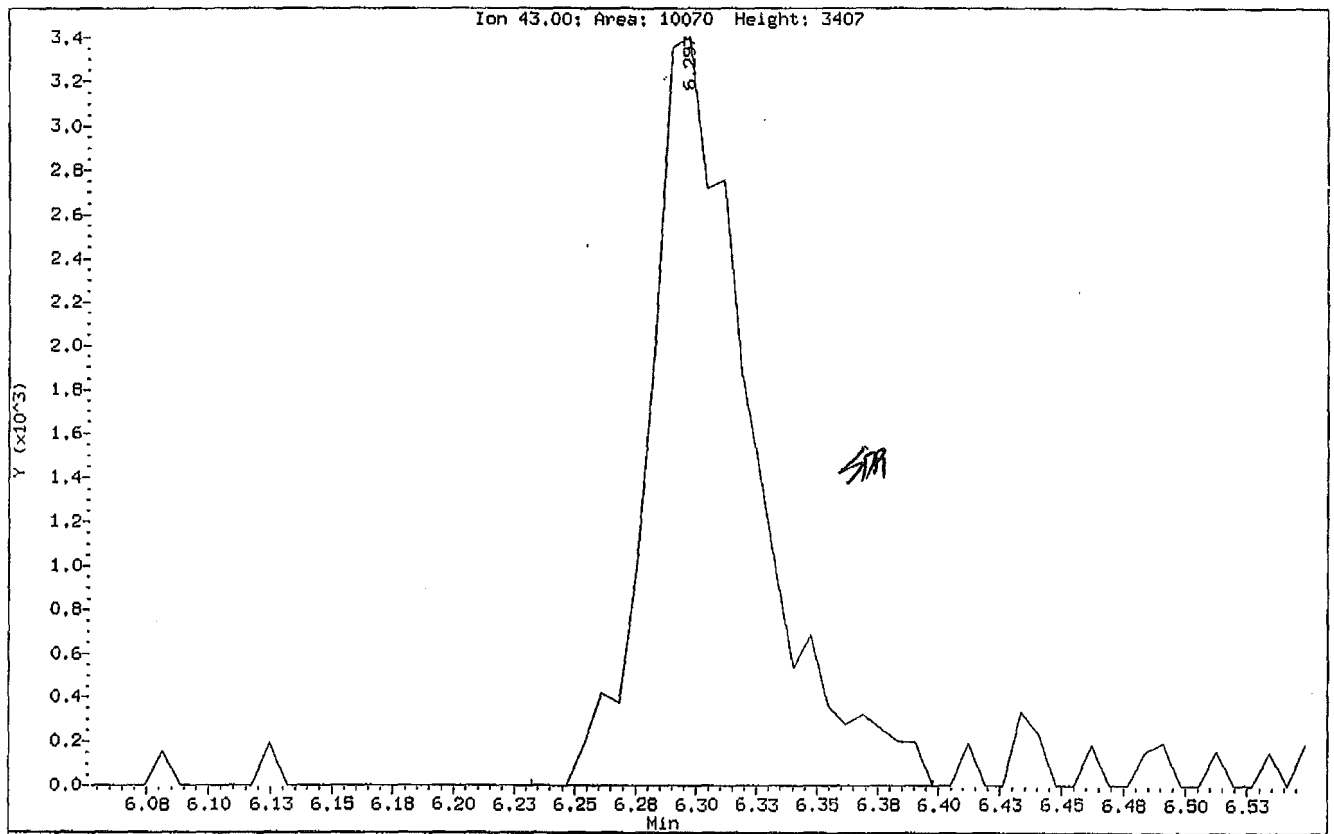
Compound: Acetone
CAS Number: 67-64-1

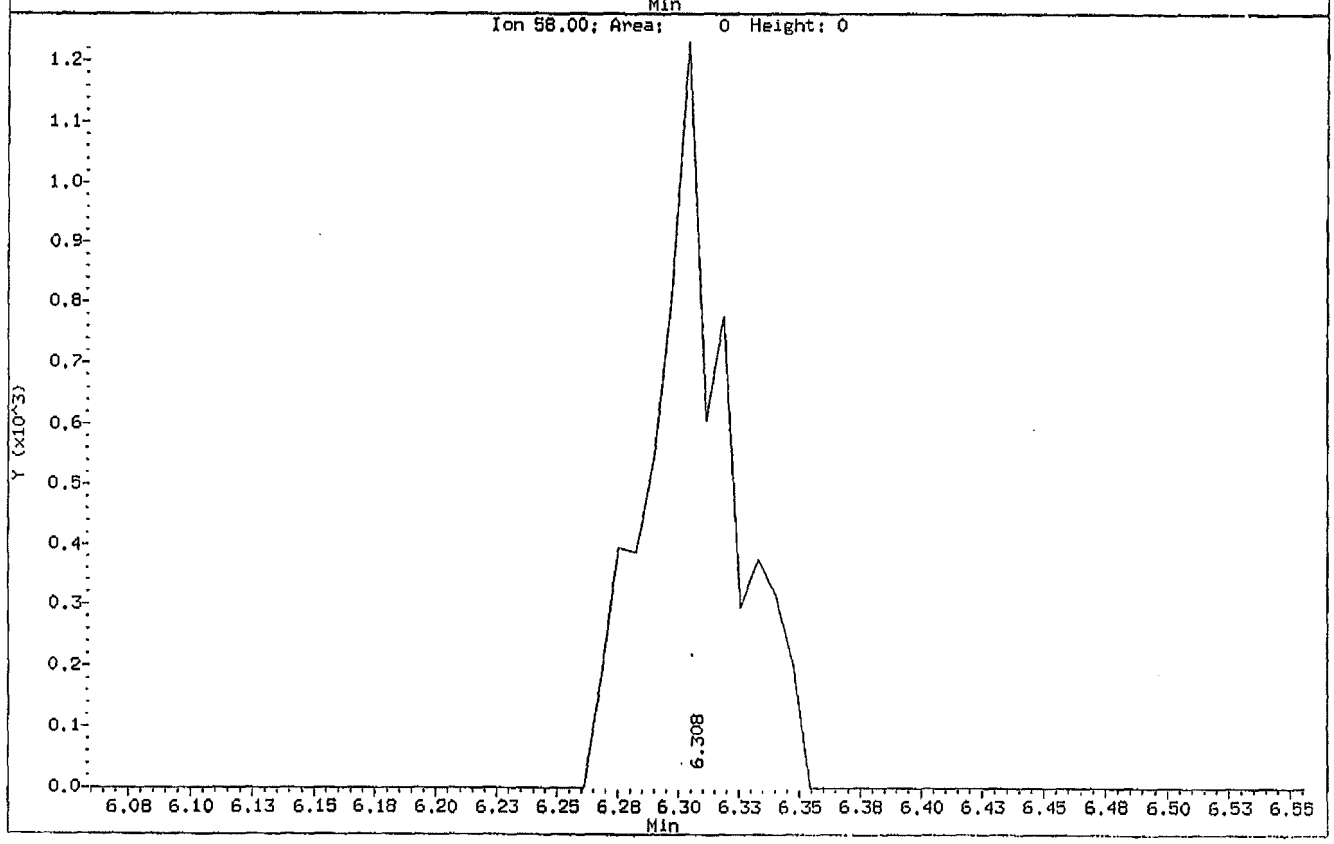




Data File: /chem/hp7.i/H71107a.b/S7538.D
Injection Date: 08-NOV-2000 04:51
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1





001802

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7538.D
Lab Smp Id: DM9G01A1 RI
Inj Date : 08-NOV-2000 04:51
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G01A1 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.867	10.872	(0.940)	192019	50.4461	50.4461
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.565	11.135	(1.000)	7468	1.21729	1.21729
* 32 1,4-Difluorobenzene	114	11.565	11.569	(1.000)	478832	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.950	13.955	(1.206)	514786	46.6038	46.6038
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
52 1-Chlorohexane	91	16.221	16.161	(1.000)	865	0.23385	0.233848
* 50 Chlorobenzene-d5	117	16.214	16.218	(1.000)	380096	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.018	18.015	(1.111)	174756	41.9648	41.9648
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.819	(1.000)	183278	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7538.D
Lab Smp Id: DM9G01A1 RI
Inj Date : 08-NOV-2000 04:51
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G01A1 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7538.D
Lab Smp Id: DM9G01A1 RI
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	478832	-14.05
50 Chlorobenzene-d5	506760	253380	1013520	380096	-24.99
72 1,4 Dichlorobenze	290615	145308	581230	183278	-36.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.56	-0.04
50 Chlorobenzene-d5	16.22	15.72	16.72	16.21	-0.03
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.81	-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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9G01A1 RI
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	50.4461	100.89	75-125
$ 41 Toluene-d8	50.0000	46.6038	93.21	75-125
$ 60 4-Bromofluorobenze	50.0000	41.9648	83.93	80-120

STL Sacramento

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9G01A1 RI
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

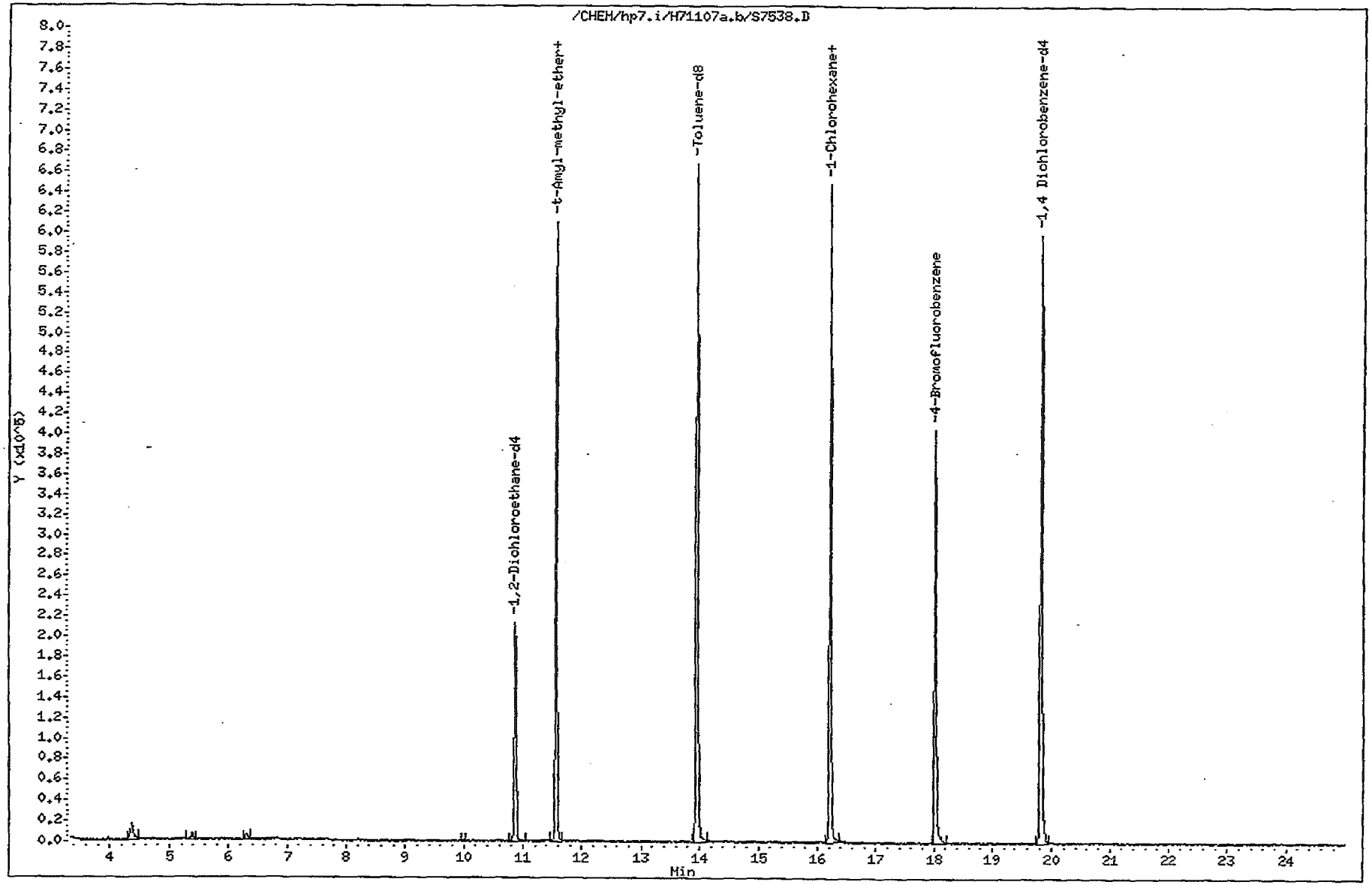
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107a.b/S7538.D
Date : 08-NOV-2000 04:51
Client ID:
Sample Info: DM9G01A1 RI;Barmbys;0;;;;2

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



001810

BOE-C6-0175348

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107a.b\S7539.D
Lab Smp Id: DM9G41A1 RI
Inj Date : 08-NOV-2000 05:22
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G41A1 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 3.40
Processing Host: SACP2006

"NO REPORTABLE TICS PRESENT"

SMB 11/9/00

Compound Sublist: ALL.sub

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.298	6.301	(0.545)	8590	9.91407	9.91407 (M) SMB 11/9/00
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
	7 t-Butanol	59.00	Compound Not Detected.					
	122 Acrylonitrile	53.00	Compound Not Detected.					
	15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
	14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M	131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
	13 Hexane	57.00	Compound Not Detected.					
	18 Vinyl acetate	43.00	Compound Not Detected.					
	17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
	16 Isopropyl ether	45.00	Compound Not Detected.					
	123 Chloroprene	53.00	Compound Not Detected.					
	19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
	22 2-Butanone	43	9.481	9.485	(0.820)	1152	1.07270	1.07270 (M) 5DD 11/9/00
	21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
	20 2,2-Dichloropropane	77.00	Compound Not Detected.					
	124 Propionitrile	54.00	Compound Not Detected.					
	125 Methacrylonitrile	41.00	Compound Not Detected.					
	23 Bromochloromethane	128.00	Compound Not Detected.					
	24 Chloroform (*)	83.00	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
	28 1,1-Dichloropropene	75.00	Compound Not Detected.					
	27 Carbon Tetrachloride	117.00	Compound Not Detected.					
	127 Isobutanol	43.00	Compound Not Detected.					
$	29 1,2-Dichloroethane-d4	65	10.868	10.872	(0.940)	193568	52.0495	52.0495
	30 Benzene	78.00	Compound Not Detected.					
	31 1,2-Dichloroethane	62.00	Compound Not Detected.					
	126 Cyclohexane	56.00	Compound Not Detected.					
	26 t-Amyl-methyl-ether	73	11.565	11.135	(1.000)	~~6025~~	~~1.15534~~	~~1.15534~~ MD
*	32 1,4-Difluorobenzene	114	11.565	11.569	(1.000)	467825	50.0000	
	33 Trichloroethene	95.00	Compound Not Detected.					
	34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
	128 Methyl Methacrylate	41.00	Compound Not Detected.					
	35 1,4-Dioxane	88.00	Compound Not Detected.					
	36 Dibromomethane	93.00	Compound Not Detected.					
	37 Bromodichloromethane	83.00	Compound Not Detected.					
	38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
	39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
	40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$	41 Toluene-d8	98	13.951	13.955	(1.206)	507443	47.0199	47.0199
	42 Toluene (*)	92.00	Compound Not Detected.					
	43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
	129 Ethyl Methacrylate	69.00	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
	46 1,3-Dichloropropane	76.00	Compound Not Detected.					
	45 Tetrachloroethene	166.00	Compound Not Detected.					
	47 2-Hexanone	43.00	Compound Not Detected.					
	48 Dibromochloromethane	129.00	Compound Not Detected.					
	49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
52 1-Chlorohexane	91	16.222	16.161	(1.000)	~~809~~	~~0.24793~~	~~0.247926~~ → NA
* 50 Chlorobenzene-d5	117	16.215	16.218	(1.000)	375921	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.019	18.015	(1.111)	175712	42.6630	42.6630
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.819	(1.000)	174819	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

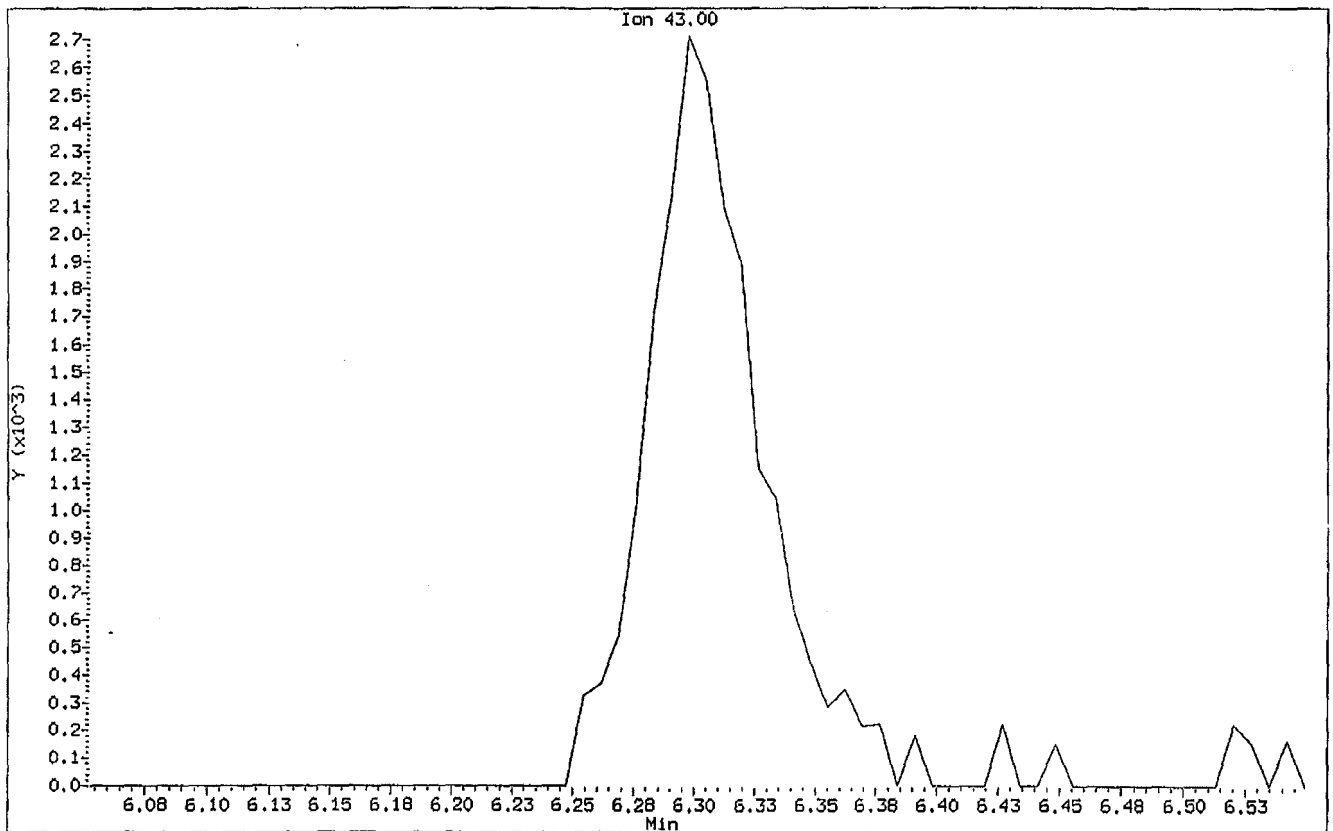
QC Flag Legend

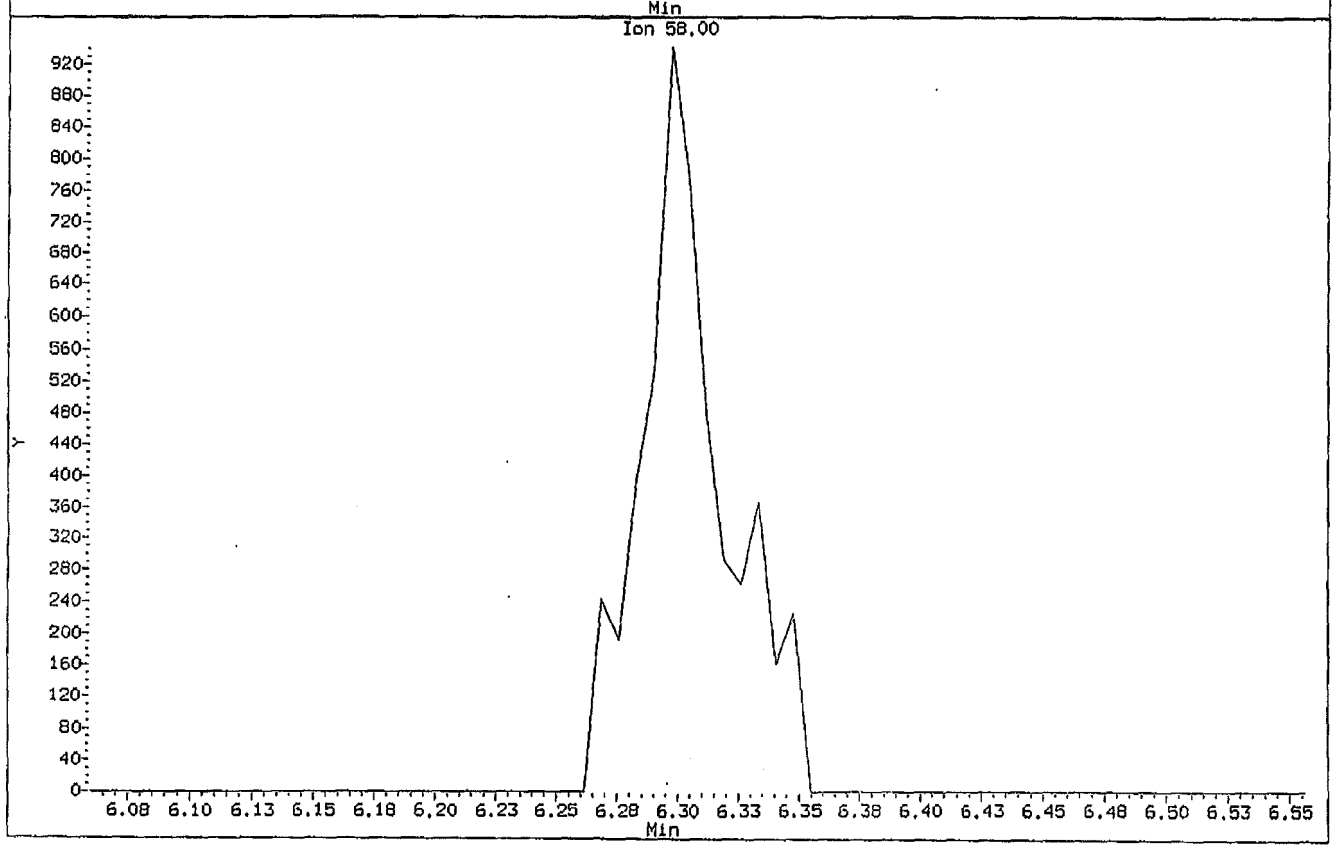
(1)-peak not found

M - Compound response manually integrated.

Data File: /chem/hp7.i/H71107a.b/S7539.D
Injection Date: 08-NOV-2000 05:22
Instrument: hp7.i
Client Sample ID:

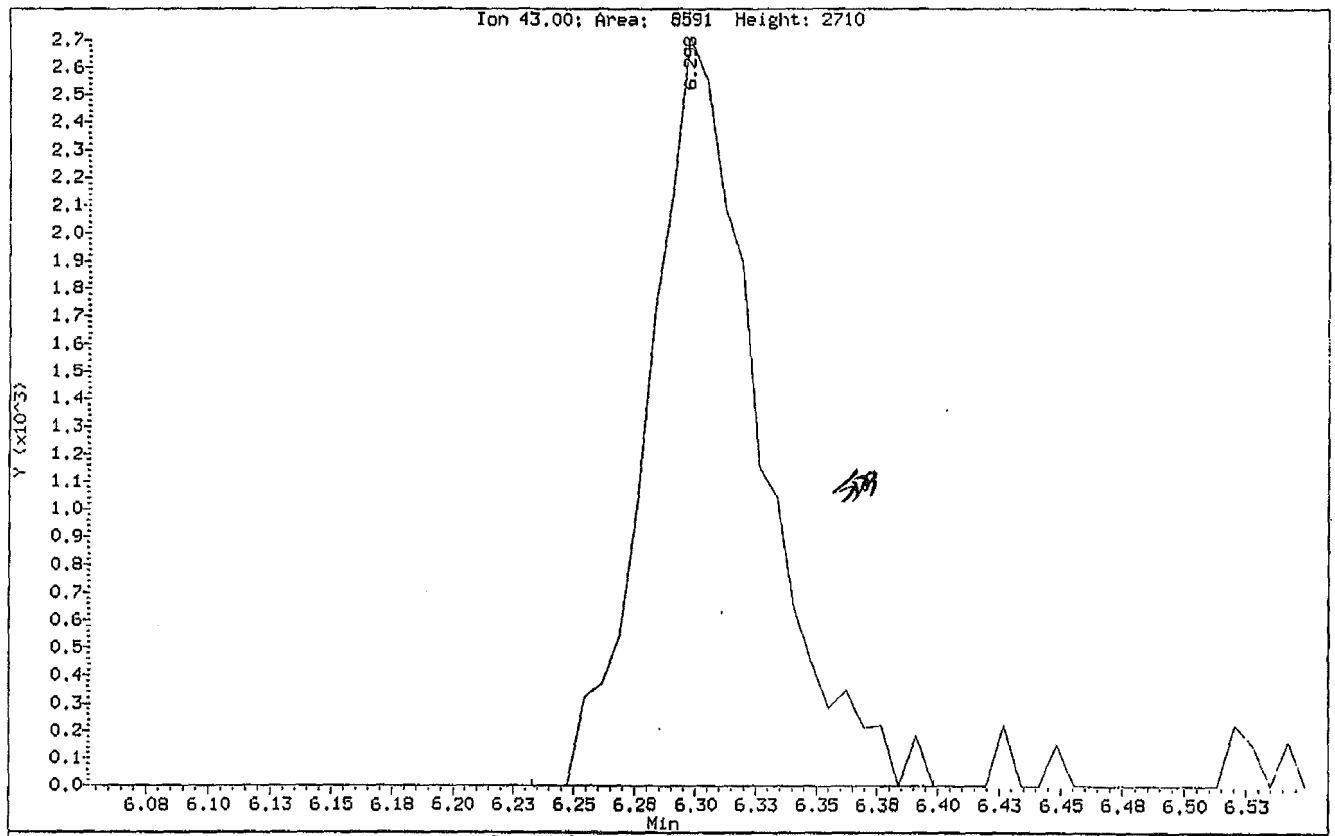
Compound: Acetone
CAS Number: 67-64-1

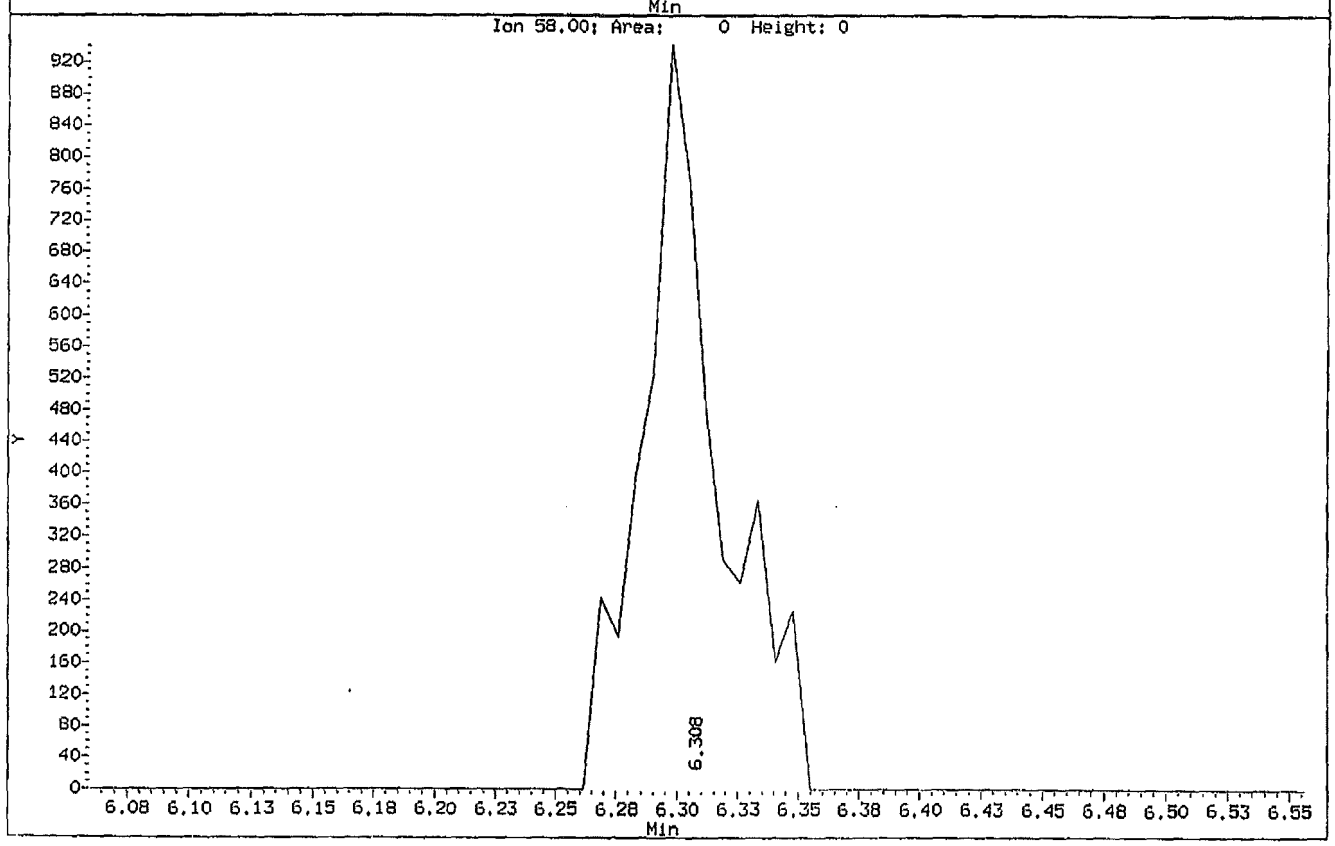




Data File: /chem/hp7.i/H71107a.b/S7539.D
Injection Date: 08-NOV-2000 05:22
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1

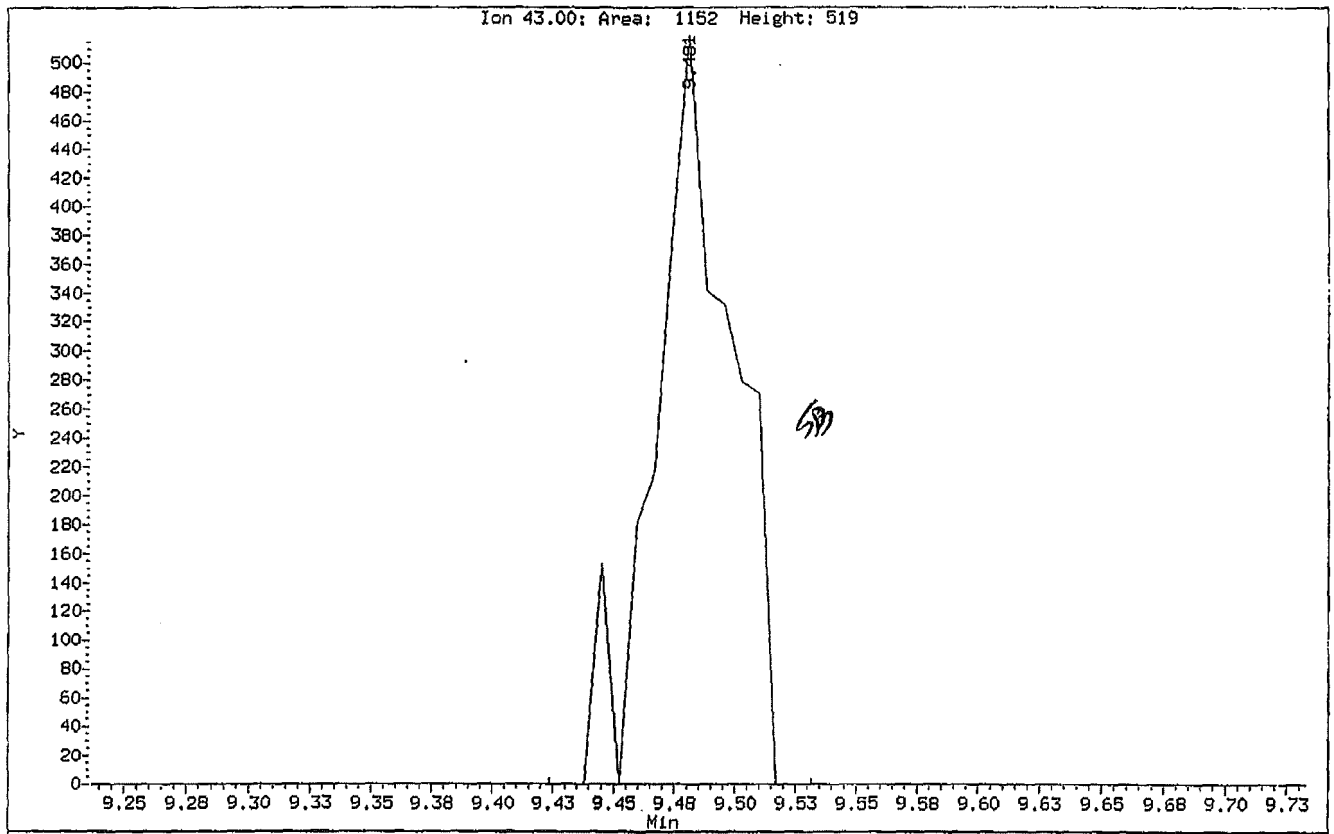


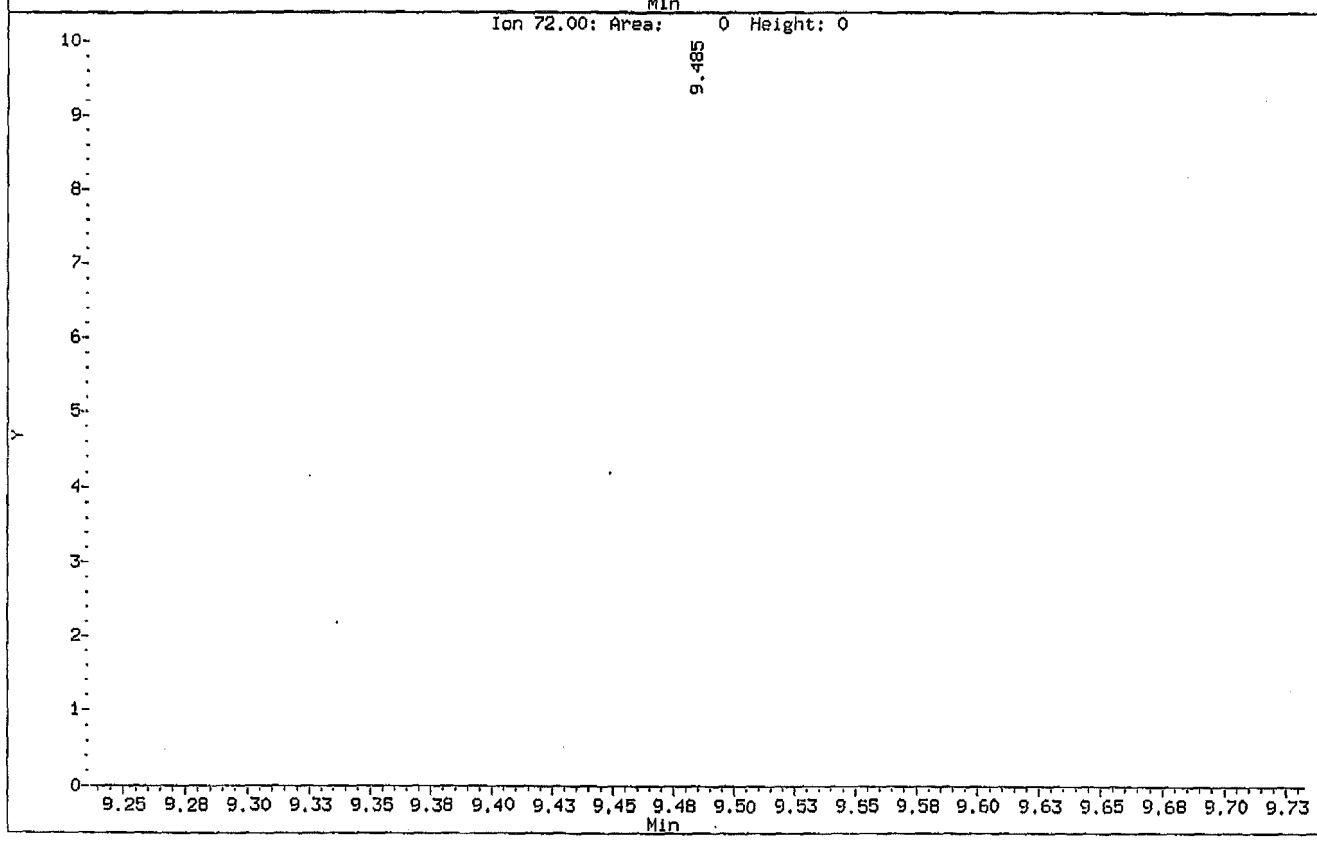


001815

Data File: /chem/hp7.i/H71107a,b/S7539.D
Injection Date: 08-NOV-2000 05:22
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3





001816

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7539.D
Lab Smp Id: DM9G41A1 RI
Inj Date : 08-NOV-2000 05:22
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G41A1 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.868	10.872	(0.940)	193568	52.0495	52.0495
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73	11.565	11.135	(1.000)	6925	1.15534	1.15534
* 32 1,4-Difluorobenzene	114	11.565	11.569	(1.000)	467825	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.951	13.955	(1.206)	507443	47.0199	47.0199
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
52 1-Chlorohexane	91	16.222	16.161	(1.000)	907	0.24793	0.247926
* 50 Chlorobenzene-d5	117	16.215	16.218	(1.000)	375921	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.019	18.015	(1.111)	175712	42.6630	42.6630
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.819	(1.000)	174819	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7539.D
Lab Smp Id: DM9G41A1 RI
Inj Date : 08-NOV-2000 05:22
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G41A1 RI;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7539.D
Lab Smp Id: DM9G41A1 RI
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	467825	-16.03
50 Chlorobenzene-d5	506760	253380	1013520	375921	-25.82
72 1,4 Dichlorobenze	290615	145308	581230	174819	-39.85

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.57	-0.03
50 Chlorobenzene-d5	16.22	15.72	16.72	16.21	-0.02
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.82	-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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9G41A1 RI
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	52.0495	104.10	75-125
$ 41 Toluene-d8	50.0000	47.0199	94.04	75-125
$ 60 4-Bromofluorobenze	50.0000	42.6630	85.33	80-120

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TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9G41A1 RI
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

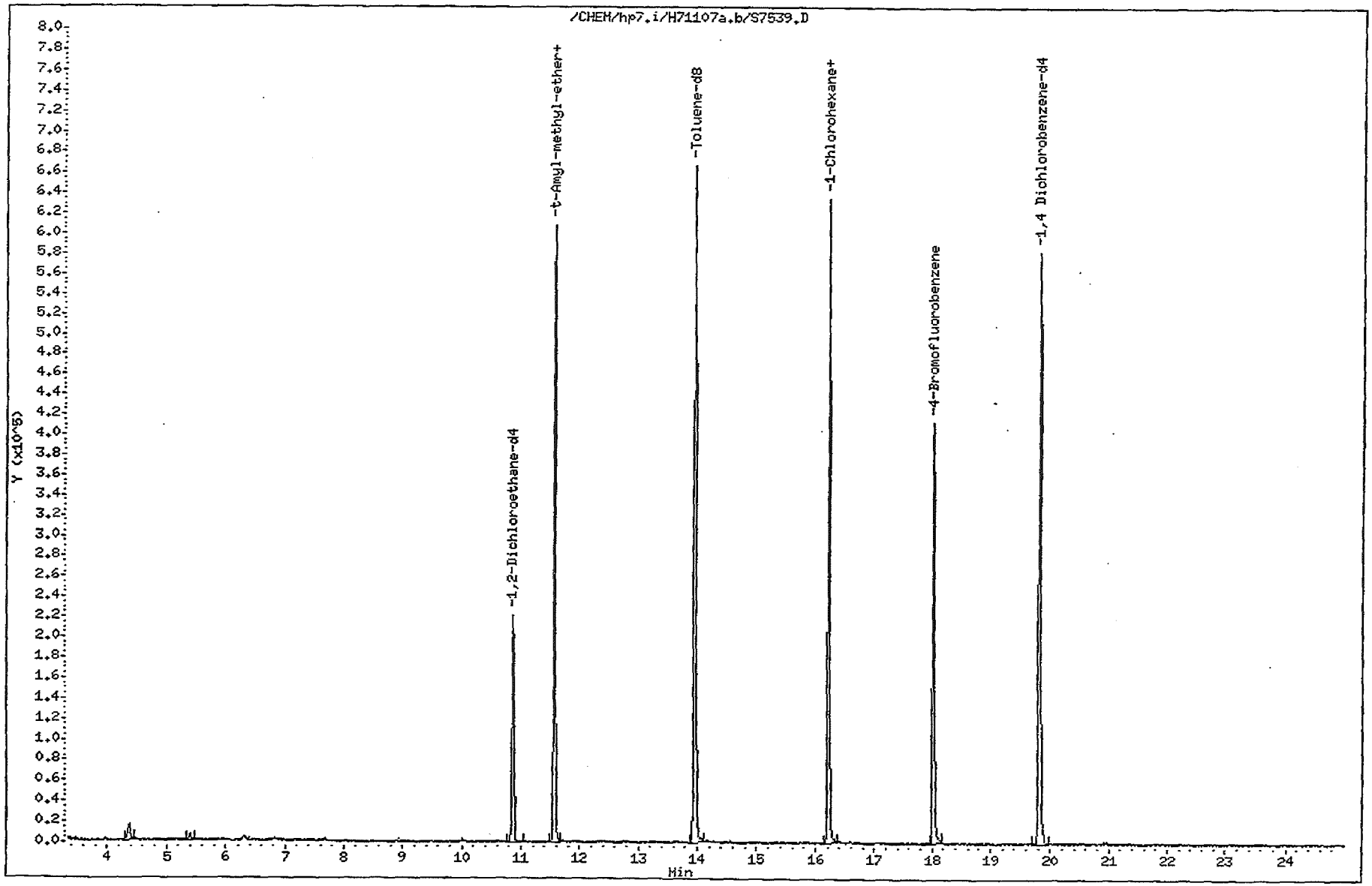
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107a.b/S7539.D
Date : 08-NOV-2000 05:22
Client ID:
Sample Info: DM9G41A1 RI;Barmbys;0;;;;2

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



BOE-C6-0175362

001824

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71107a.b\S7540.D
Lab Smp Id: DM9G51A1
Inj Date : 08-NOV-2000 05:52
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G51A1;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

"NO PRESUMPTIVE" TICS PRESENT

SMB 11/9/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43	6.300	6.301	(0.545)	9961	12.7510	12.7510(N) 1
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
	7 t-Butanol	59.00	Compound Not Detected.					
	122 Acrylonitrile	53.00	Compound Not Detected.					
	15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
	14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M	131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
	13 Hexane	57.00	Compound Not Detected.					
	18 Vinyl acetate	43.00	Compound Not Detected.					
	17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
	16 Isopropyl ether	45.00	Compound Not Detected.					
	123 Chloroprene	53.00	Compound Not Detected.					
	19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
	22 2-Butanone	43	9.491	9.485	(0.820)	1400	1.44595	1.44595(MRV) SDB
	21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
	20 2,2-Dichloropropane	77.00	Compound Not Detected.					
	124 Propionitrile	54.00	Compound Not Detected.					
	125 Methacrylonitrile	41.00	Compound Not Detected.					
	23 Bromochloromethane	128.00	Compound Not Detected.					
	24 Chloroform (*)	83.00	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
	28 1,1-Dichloropropene	75.00	Compound Not Detected.					
	27 Carbon Tetrachloride	117.00	Compound Not Detected.					
	127 Isobutanol	43.00	Compound Not Detected.					
$	29 1,2-Dichloroethane-d4	65	10.863	10.872	(0.939)	178982	53.3856	53.3856
	30 Benzene	78.00	Compound Not Detected.					
	31 1,2-Dichloroethane	62.00	Compound Not Detected.					
	126 Cyclohexane	56.00	Compound Not Detected.					
	26 t-Amyl-methyl-ether	73.00	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	11.567	11.569	(1.000)	421747	50.0000	
	33 Trichloroethene	95.00	Compound Not Detected.					
	34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
	128 Methyl Methacrylate	41.00	Compound Not Detected.					
	35 1,4-Dioxane	88.00	Compound Not Detected.					
	36 Dibromomethane	93.00	Compound Not Detected.					
	37 Bromodichloromethane	83.00	Compound Not Detected.					
	38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
	39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
	40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$	41 Toluene-d8	98	13.953	13.955	(1.206)	454886	46.7550	46.7550
	42 Toluene (*)	92.00	Compound Not Detected.					
	43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
	129 Ethyl Methacrylate	69.00	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
	46 1,3-Dichloropropane	76.00	Compound Not Detected.					
	45 Tetrachloroethene	166.00	Compound Not Detected.					
	47 2-Hexanone	43.00	Compound Not Detected.					
	48 Dibromochloromethane	129.00	Compound Not Detected.					
	49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
52 1-Chlorohexane	91	16.210	16.161	(1.000)	~~892~~	~~0.26151~~	~~0.261505~~ NA
* 50 Chlorobenzene-d5	117	16.217	16.218	(1.000)	350506	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.014	18.015	(1.111)	159795	41.6116	41.6116
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.819	(1.000)	169867	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

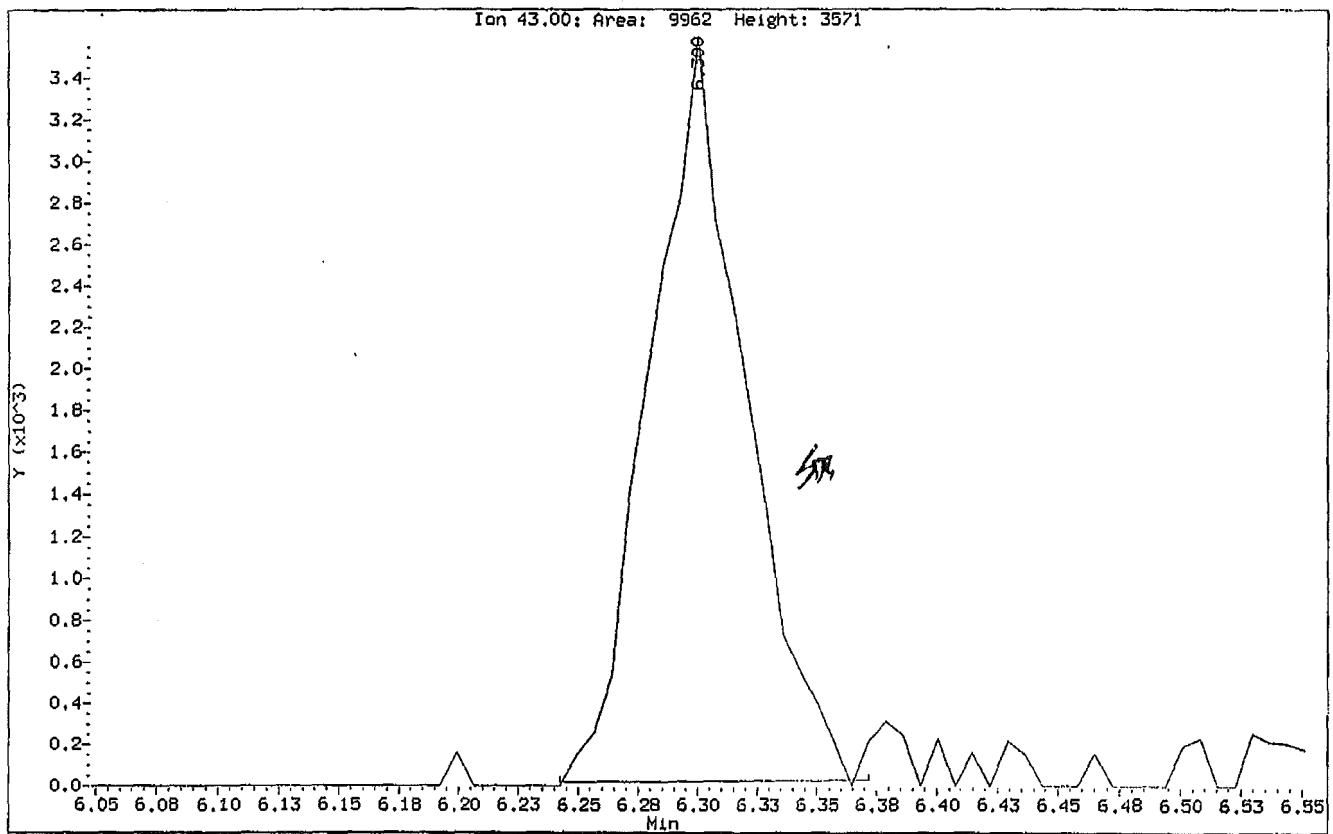
QC Flag Legend

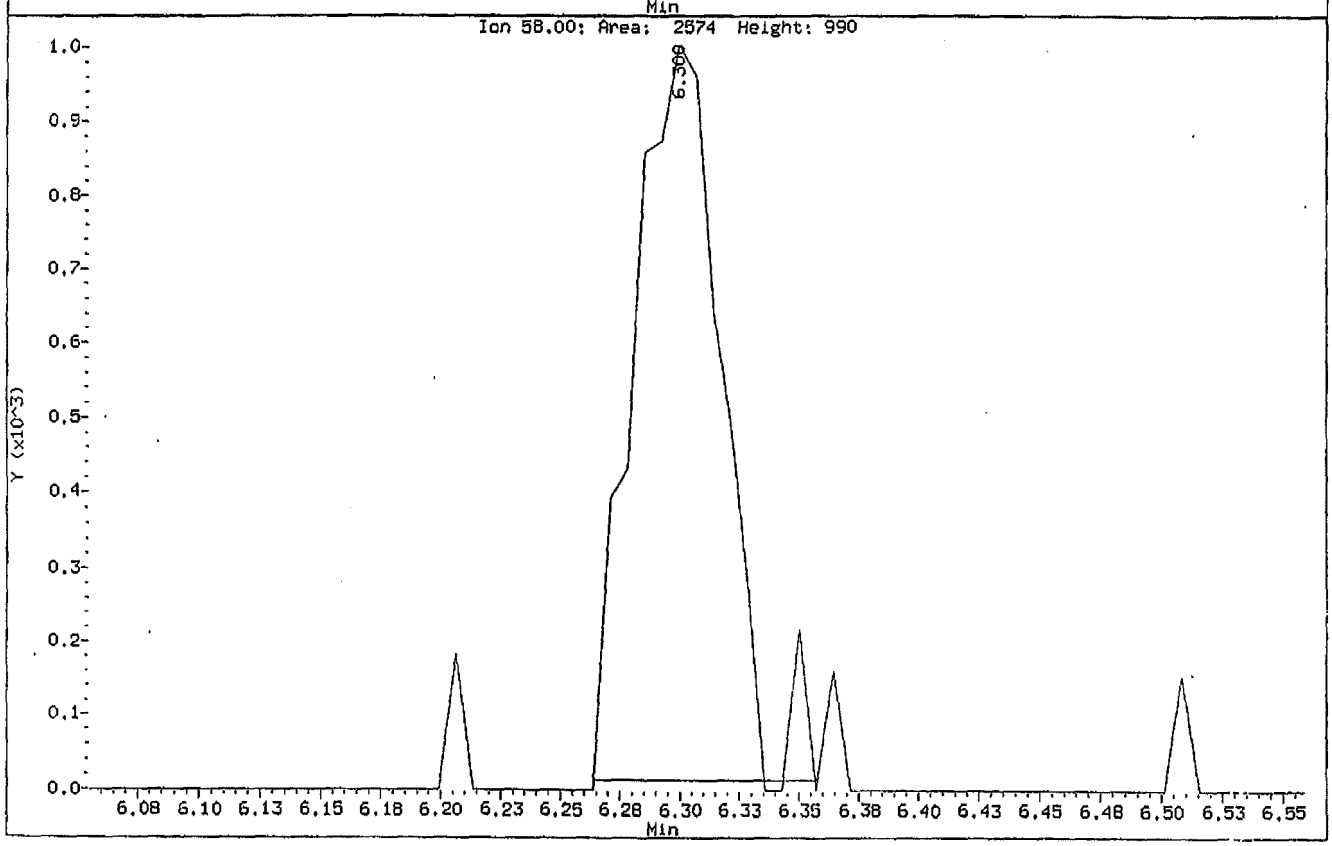
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

(1) - peak not found

Data File: /chem/hp7.i/H71107a.b/S7540.D
Injection Date: 08-NOV-2000 05:52
Instrument: hp7.i
Client Sample ID:

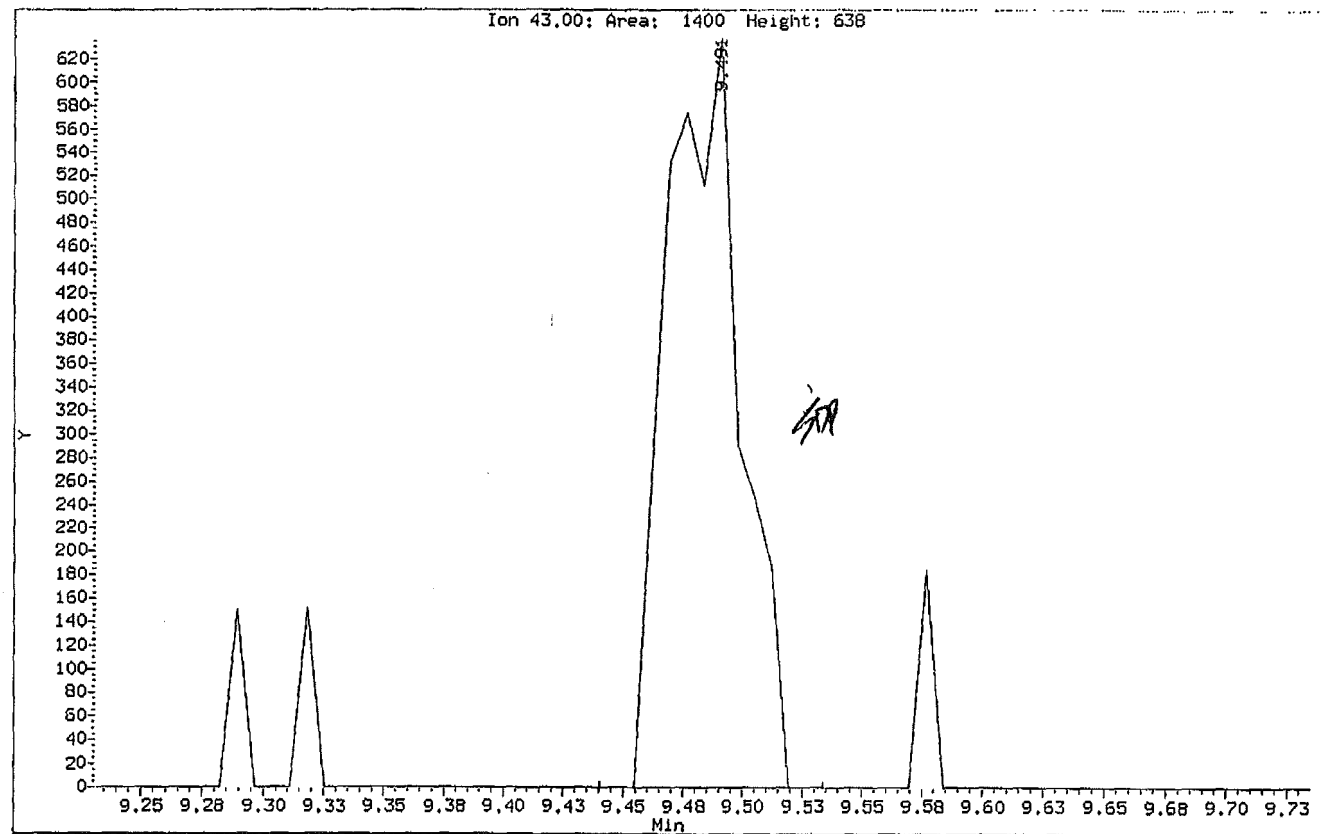
Compound: Acetone
CAS Number: 67-64-1

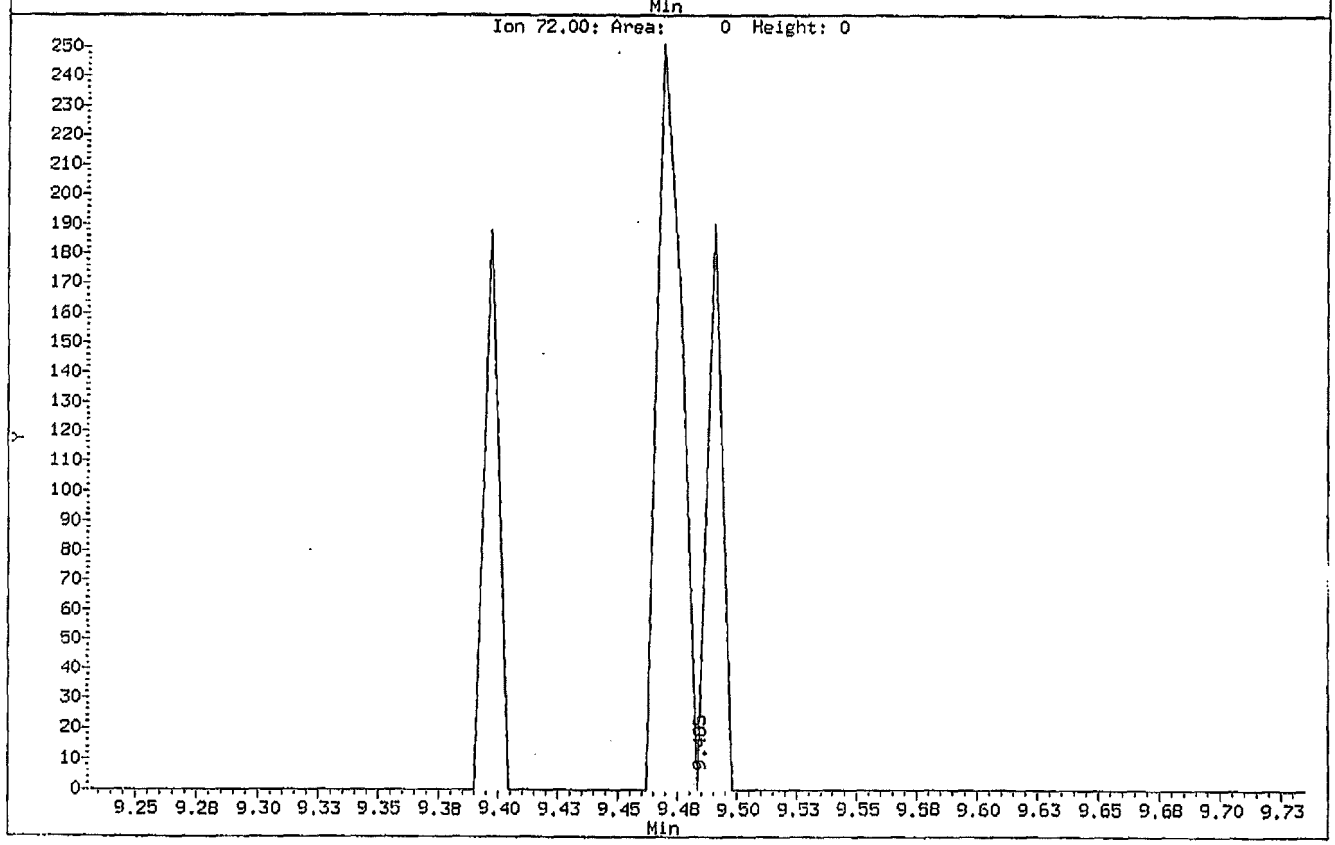




Data File: /chem/hp7.i/H71107a.b/S7540.D
Injection Date: 08-NOV-2000 05:52
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3





001829

BOE-C6-0175367

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7540.D
Lab Smp Id: DM9G51A1
Inj Date : 08-NOV-2000 05:52
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G51A1;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50.00	Compound Not Detected.					
3 Vinyl Chloride (*)	62.00	Compound Not Detected.					
4 Bromomethane	94.00	Compound Not Detected.					
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101.00	Compound Not Detected.					
118 Acrolein	56.00	Compound Not Detected.					
9 Trichlorotrifluoroethane	101.00	Compound Not Detected.					
8 1,1-Dichloroethene(*)	96.00	Compound Not Detected.					
10 Acetone	43.00	Compound Not Detected.					
119 Iodomethane	142.00	Compound Not Detected.					
11 Carbon disulfide	76.00	Compound Not Detected.					
120 Acetonitrile	40.00	Compound Not Detected.					
121 Allyl Chloride	76.00	Compound Not Detected.					
12 Methylene Chloride	84.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
7 t-Butanol	59.00	Compound Not Detected.					
122 Acrylonitrile	53.00	Compound Not Detected.					
15 Methyl-t-butyl-ether	73.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96.00	Compound Not Detected.					
M 131 1,2-Dichloroethane (Total)	96.00	Compound Not Detected.					
13 Hexane	57.00	Compound Not Detected.					
18 Vinyl acetate	43.00	Compound Not Detected.					
17 1,1-Dichloroethane (**)	63.00	Compound Not Detected.					
16 Isopropyl ether	45.00	Compound Not Detected.					
123 Chloroprene	53.00	Compound Not Detected.					
19 t-Butyl-ethyl-ether	59.00	Compound Not Detected.					
22 2-Butanone	43.00	Compound Not Detected.					
21 cis 1,2-Dichloroethene	96.00	Compound Not Detected.					
20 2,2-Dichloropropane	77.00	Compound Not Detected.					
124 Propionitrile	54.00	Compound Not Detected.					
125 Methacrylonitrile	41.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83.00	Compound Not Detected.					
25 1,1,1-Trichloroethane	97.00	Compound Not Detected.					
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
27 Carbon Tetrachloride	117.00	Compound Not Detected.					
127 Isobutanol	43.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65	10.863	10.872	(0.939)	178982	53.3856	53.3856
30 Benzene	78.00	Compound Not Detected.					
31 1,2-Dichloroethane	62.00	Compound Not Detected.					
126 Cyclohexane	56.00	Compound Not Detected.					
26 t-Amyl-methyl-ether	73.00	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	11.567	11.569	(1.000)	421747	50.0000	
33 Trichloroethene	95.00	Compound Not Detected.					
34 1,2-Dichloropropane(*)	63.00	Compound Not Detected.					
128 Methyl Methacrylate	41.00	Compound Not Detected.					
35 1,4-Dioxane	88.00	Compound Not Detected.					
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83.00	Compound Not Detected.					
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (xtr)	75.00	Compound Not Detected.					
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.953	13.955	(1.206)	454886	46.7550	46.7550
42 Toluene (*)	92.00	Compound Not Detected.					
43 trans-1,3-Dichloropropene(xt)	75.00	Compound Not Detected.					
129 Ethyl Methacrylate	69.00	Compound Not Detected.					
44 1,1,2-Trichloroethane	97.00	Compound Not Detected.					
46 1,3-Dichloropropane	76.00	Compound Not Detected.					
45 Tetrachloroethene	166.00	Compound Not Detected.					
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129.00	Compound Not Detected.					
49 1,2-Dibromoethane	107.00	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
52 1-Chlorohexane	91	16.210	16.161	(1.000)	892	0.26151	0.261505
* 50 Chlorobenzene-d5	117	16.217	16.218	(1.000)	350506	50.0000	
51 Chlorobenzene (**)	112.00	Compound Not Detected.					
53 1,1,1,2-Tetrachloroethane	131.00	Compound Not Detected.					
54 Ethylbenzene (*)	106.00	Compound Not Detected.					
55 Xylenes (m,p)	106.00	Compound Not Detected.					
M 132 Xylenes (Total)	106.00	Compound Not Detected.					
56 Xylene (o)	106.00	Compound Not Detected.					
57 Styrene	104.00	Compound Not Detected.					
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105.00	Compound Not Detected.					
$ 60 4-Bromofluorobenzene	95	18.014	18.015	(1.111)	159795	41.6116	41.6116
62 1,1,2,2-Tetrachloroethane(**)	83.00	Compound Not Detected.					
130 T-1,4-Dichloro-2-Butene	89.00	Compound Not Detected.					
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
61 Bromobenzene	156.00	Compound Not Detected.					
64 N-Propylbenzene	91.00	Compound Not Detected.					
65 2-Chlorotoluene	91.00	Compound Not Detected.					
67 1,3,5-Trimethylbenzene	105.00	Compound Not Detected.					
66 4-Chlorotoluene	91.00	Compound Not Detected.					
68 T-Butylbenzene	119.00	Compound Not Detected.					
69 1,2,4-Trimethylbenzene	105.00	Compound Not Detected.					
70 Sec-Butylbenzene	105.00	Compound Not Detected.					
73 P-Isopropyltoluene	119.00	Compound Not Detected.					
71 1,3-Dichlorobenzene	146.00	Compound Not Detected.					
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.819	(1.000)	169867	50.0000	
74 1,4-Dichlorobenzene	146.00	Compound Not Detected.					
76 N-Butylbenzene	91.00	Compound Not Detected.					
75 1,2-Dichlorobenzene	146.00	Compound Not Detected.					
77 1,2-Dibromo-3-chloropropane	75.00	Compound Not Detected.					
78 1,2,4-Trichlorobenzene	180.00	Compound Not Detected.					
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128.00	Compound Not Detected.					
81 1,2,3-Trichlorobenzene	180.00	Compound Not Detected.					

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7540.D
Lab Smp Id: DM9G51A1
Inj Date : 08-NOV-2000 05:52
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G51A1;Barmbys;0;;;;2
Misc Info : 2;SOIL;0;ALL.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ALL.sub
Target Version: 3.40
Processing Host: SACP2006

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7540.D
Lab Smp Id: DM9G51A1
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

SB

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	421747	-24.30
50 Chlorobenzene-d5	506760	253380	1013520	350506	-30.83
72 1,4 Dichlorobenze	290615	145308	581230	169867	-41.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.57	-0.01
50 Chlorobenzene-d5	16.22	15.72	16.72	16.22	-0.01
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.81	-0.04

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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9G51A1
Level: LOW
Data Type: MS DATA
SpikeList File: 8260Wms.spk
Sublist File: ALL.sub
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;ALL.sub;;0;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	53.3856	106.77	75-125
$ 41 Toluene-d8	50.0000	46.7550	93.51	75-125
$ 60 4-Bromofluorobenze	50.0000	41.6116	83.22	80-120

STL Sacramento

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM9G51A1
Operator : Barmbys
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: I80

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

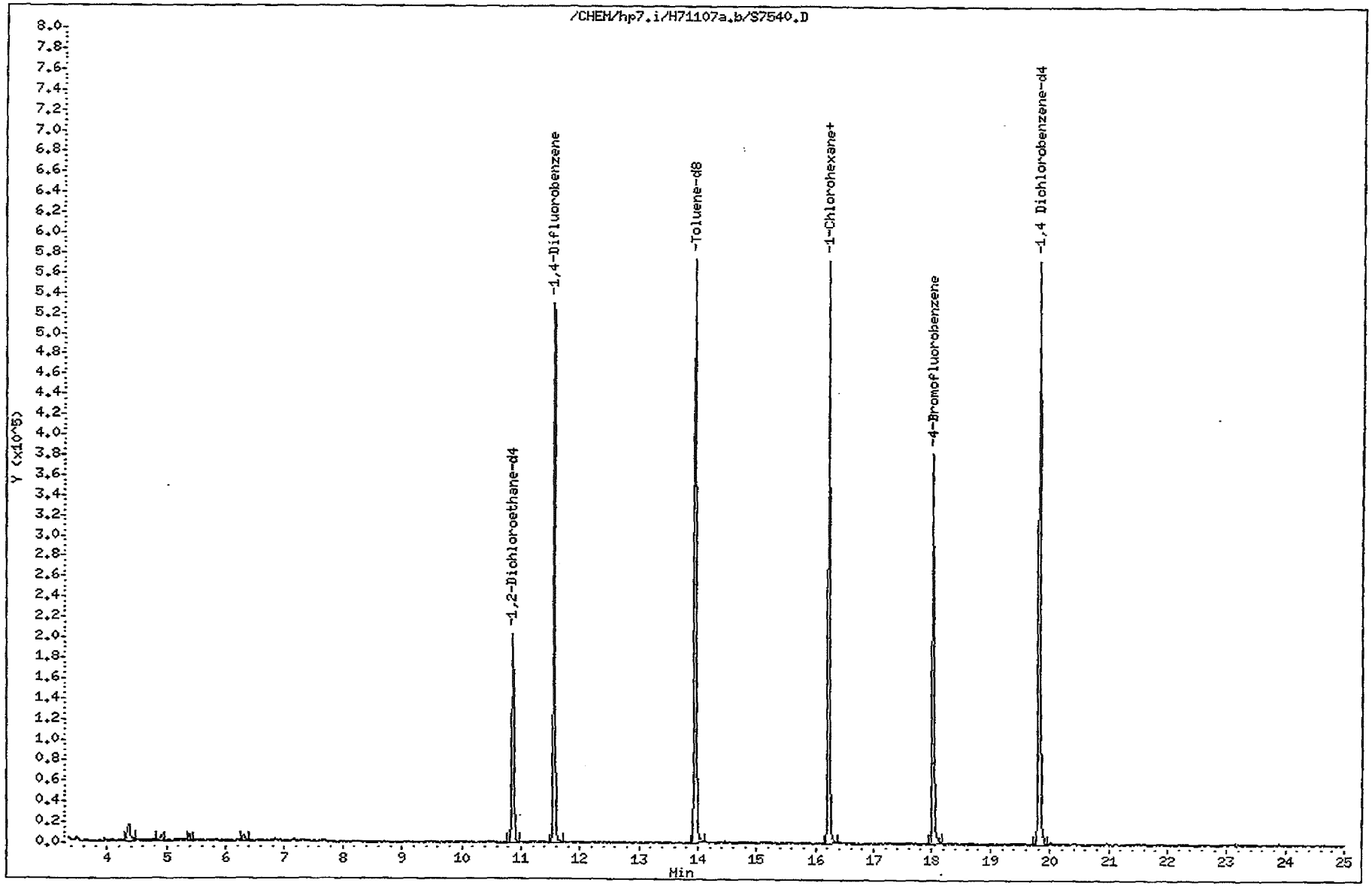
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: /CHEM/hp7.i/H71107a.b/S7540.D
Date : 08-NOV-2000 05:52
Client ID:
Sample Info: DH9C51A1;Barmbys;0;;;;2

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



001837

BOE-C6-0175375

Acetone, 2-butanone, 4-methyl-2-pentanone & 2 hexanone

Data File: \CHEM\hp7.i\H71107a.b\S7546.D
Report Date: 08-Nov-2000 09:21

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7546.D
Lab Smp Id: DM9G51A3
Inj Date : 08-NOV-2000 08:56
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G51A3;Barmbys;3;MS;;;2
Misc Info : 2;SOIL;0;Q8260.sub;all.spk;1;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 16 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

SM 11/9/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	3.487	3.484	(0.302)	135634	42.6529	42.6529
2 Chloromethane (**)	50	3.818	3.822	(0.330)	138998	39.7246	39.7246
3 Vinyl Chloride (*)	62	4.012	4.016	(0.347)	173244	45.1895	45.1895
4 Bromomethane	94	4.594	4.598	(0.397)	110238	46.4258	46.4258
5 Chloroethane	64	4.774	4.770	(0.413)	114267	48.4355	48.4355
6 Trichlorofluoromethane	101	5.241	5.245	(0.453)	327037	51.1635	51.1635
8 1,1-Dichloroethene(*)	96	6.247	6.251	(0.540)	159587	50.7521	50.7521
9 Trichlorotrifluoroethane	101	6.218	6.222	(0.538)	184094	64.3633	64.3632
10 Acetone	43	6.297	6.301	(0.544)	70211	80.4848	80.4848(R)
11 Carbon disulfide	76	6.736	6.732	(0.582)	445587	57.2874	57.2874
12 Methylene Chloride	84	7.160	7.163	(0.619)	165687	49.8851	49.8851
13 Hexane	57	8.194	8.198	(0.709)	184598	56.6832	56.6832
14 trans-1,2-Dichloroethene	96	7.684	7.688	(0.664)	165787	50.5946	50.5946
M 131 1,2-Dichloroethane (Total)	96				311595	100.433	100.433
15 Methyl-t-butyl-ether	73	7.677	7.681	(0.664)	455568	60.3715	60.3715

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	17 1,1-Dichloroethane (**)	63	8.453	8.457	(0.731)	272110	47.6945	47.6945
	18 Vinyl acetate	43	8.503	8.500	(0.735)	88867	72.9415	72.9415(R)
	20 2,2-Dichloropropane	77	9.495	9.499	(0.821)	245528	46.3904	46.3904
	21 cis 1,2-Dichloroethene	96	9.481	9.485	(0.820)	145808	49.8386	49.8386
	22 2-Butanone	43	9.474	9.485	(0.819)	81767	75.6231	75.6231(R)
	23 Bromochloromethane	128	9.905	9.901	(0.856)	64794	50.7590	50.7590
	24 Chloroform (*)	83	10.013	10.016	(0.866)	301737	50.1067	50.1067
	25 1,1,1-Trichloroethane	97	10.372	10.376	(0.897)	276401	50.0548	50.0548
	27 Carbon Tetrachloride	117	10.659	10.663	(0.922)	248373	52.2165	52.2165
	28 1,1-Dichloropropene	75	10.638	10.642	(0.920)	215267	49.8430	49.8430
$	29 1,2-Dichloroethane-d4	65	10.868	10.872	(0.940)	188500	50.3495	50.3495
	30 Benzene	78	10.990	10.994	(0.950)	603541	51.1493	51.1493
	31 1,2-Dichloroethane	62	10.997	10.994	(0.951)	254827	52.1476	52.1476
*	32 1,4-Difluorobenzene	114	11.565	11.569	(1.000)	470959	50.0000	
	33 Trichloroethene	95	12.025	12.029	(1.040)	172885	49.2383	49.2383
	34 1,2-Dichloropropane(*)	63	12.384	12.388	(1.071)	135829	49.6438	49.6438
	35 1,4-Dioxane	88	12.578	12.582	(1.088)	41812	1841.84	1841.84(R)
	36 Dibromomethane	93	12.578	12.582	(1.088)	94160	54.3044	54.3044
	37 Bromodichloromethane	83	12.801	12.805	(1.107)	222813	51.9682	51.9682
	38 2-Chloroethyl vinyl ether	63	13.232	13.229	(1.144)	79094	63.0746	63.0746
	39 cis-1,3-Dichloropropene (Xtr)	75	13.505	13.502	(1.168)	226908	49.9104	49.9104
	40 4-Methyl-2-pentanone	43	13.706	13.710	(1.185)	156777	76.5664	76.5664(R)
$	41 Toluene-d8	98	13.951	13.955	(1.206)	536951	49.4230	49.4230
	42 Toluene (*)	92	14.059	14.062	(1.216)	401340	52.2423	52.2423
	43 trans-1,3-Dichloropropene(Xt)	75	14.353	14.357	(1.241)	222370	51.0386	51.0386
	44 1,1,2-Trichloroethane	97	14.655	14.652	(1.267)	131339	56.5494	56.5494
	45 Tetrachloroethene	166	14.935	14.939	(0.921)	160201	48.1815	48.1814
	46 1,3-Dichloropropane	76	14.928	14.925	(0.921)	244232	52.0525	52.0525
	47 2-Hexanone	43	14.993	14.997	(0.925)	119852	75.5709	75.5709(R)
	48 Dibromochloromethane	129	15.302	15.306	(0.944)	150534	51.2323	51.2323
	49 1,2-Dibromoethane	107	15.503	15.507	(0.956)	134576	53.3040	53.3040
*	50 Chlorobenzene-d5	117	16.214	16.218	(1.000)	427506	50.0000	
	51 Chlorobenzene (**)	112	16.258	16.261	(1.003)	443300	48.6664	48.6664
	52 1-Chlorohexane	91	16.157	16.161	(0.996)	233652	56.1615	56.1615
	53 1,1,1,2-Tetrachloroethane	131	16.365	16.369	(1.009)	160594	50.6097	50.6097
	54 Ethylbenzene (*)	106	16.401	16.405	(1.012)	253947	49.5248	49.5248
M	132 Xylenes (Total)	106				949416	150.419	150.419
	55 Xylenes (m,p)	106	16.574	16.578	(1.022)	640972	100.134	100.134
	56 Xylene (o)	106	17.206	17.210	(1.061)	308444	50.2847	50.2846
	57 Styrene	104	17.213	17.217	(1.062)	507776	49.7584	49.7584
	58 Bromoform (**)	173	17.537	17.533	(1.082)	96981	58.0103	58.0103
	59 Isopropylbenzene	105	17.760	17.756	(1.095)	850681	53.2106	53.2106
$	60 4-Bromofluorobenzene	95	18.011	18.015	(1.111)	216805	46.2886	46.2886
	61 Bromobenzene	156	18.284	18.288	(0.923)	180470	47.0115	47.0115
	62 1,1,2,2-Tetrachloroethane(**)	83	18.184	18.187	(0.918)	188218	57.8465	57.8464
	63 1,2,3-Trichloropropane	75	18.277	18.281	(0.922)	223057	57.4957	57.4957
	64 N-Propylbenzene	91	18.392	18.396	(0.928)	1112661	49.7492	49.7492

Compounds	QUANT SIG MASS	RT	EXP RT	REL.RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
65 2-Chlorotoluene	91	18.564	18.568	(0.937)	652543	49.0541	49.0540
66 4-Chlorotoluene	91	18.723	18.726	(0.945)	665545	46.8262	46.8262
67 1,3,5-Trimethylbenzene	105	18.643	18.647	(0.941)	779490	50.2871	50.2871
68 T-Butylbenzene	119	19.168	19.172	(0.967)	647491	50.1571	50.1571
69 1,2,4-Trimethylbenzene	105	19.233	19.237	(0.971)	777212	48.9810	48.9810
70 Sec-Butylbenzene	105	19.506	19.510	(0.984)	1000590	51.1078	51.1078
71 1,3-Dichlorobenzene	146	19.721	19.725	(0.995)	391998	46.3470	46.3470
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.819	(1.000)	250605	50.0000	
73 P-Isopropyltoluene	119	19.707	19.711	(0.995)	827281	49.8109	49.8109
74 1,4-Dichlorobenzene	146	19.851	19.855	(1.002)	379245	45.3547	45.3547
75 1,2-Dichlorobenzene	146	20.440	20.444	(1.032)	367792	48.1236	48.1236
76 N-Butylbenzene	91	20.339	20.343	(1.026)	820072	47.4239	47.4239
77 1,2-Dibromo-3-chloropropane	75	21.633	21.637	(1.092)	50873	61.2911	61.2911
78 1,2,4-Trichlorobenzene	180	23.128	23.132	(1.167)	203538	41.3412	41.3412
79 Hexachlorobutadiene	225	23.437	23.441	(1.183)	124290	44.4793	44.4793
80 Napthalene	128	23.638	23.642	(1.193)	602898	51.3828	51.3828
81 1,2,3-Trichlorobenzene	180	24.155	24.152	(1.219)	206966	44.7233	44.7233

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7546.D
Lab Smp Id: DM9G51A3
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;Q8260.sub;all.spk;1;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

SDR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	470959	-15.47
50 Chlorobenzene-d5	506760	253380	1013520	427506	-15.64
72 1,4 Dichlorobenze	290615	145308	581230	250605	-13.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.56	-0.03
50 Chlorobenzene-d5	16.22	15.72	16.72	16.21	-0.02
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.81	-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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9G51A3
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: Q8260.sub
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;Q8260.sub;all.spk;1;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: MS
Quant Type: ISTD

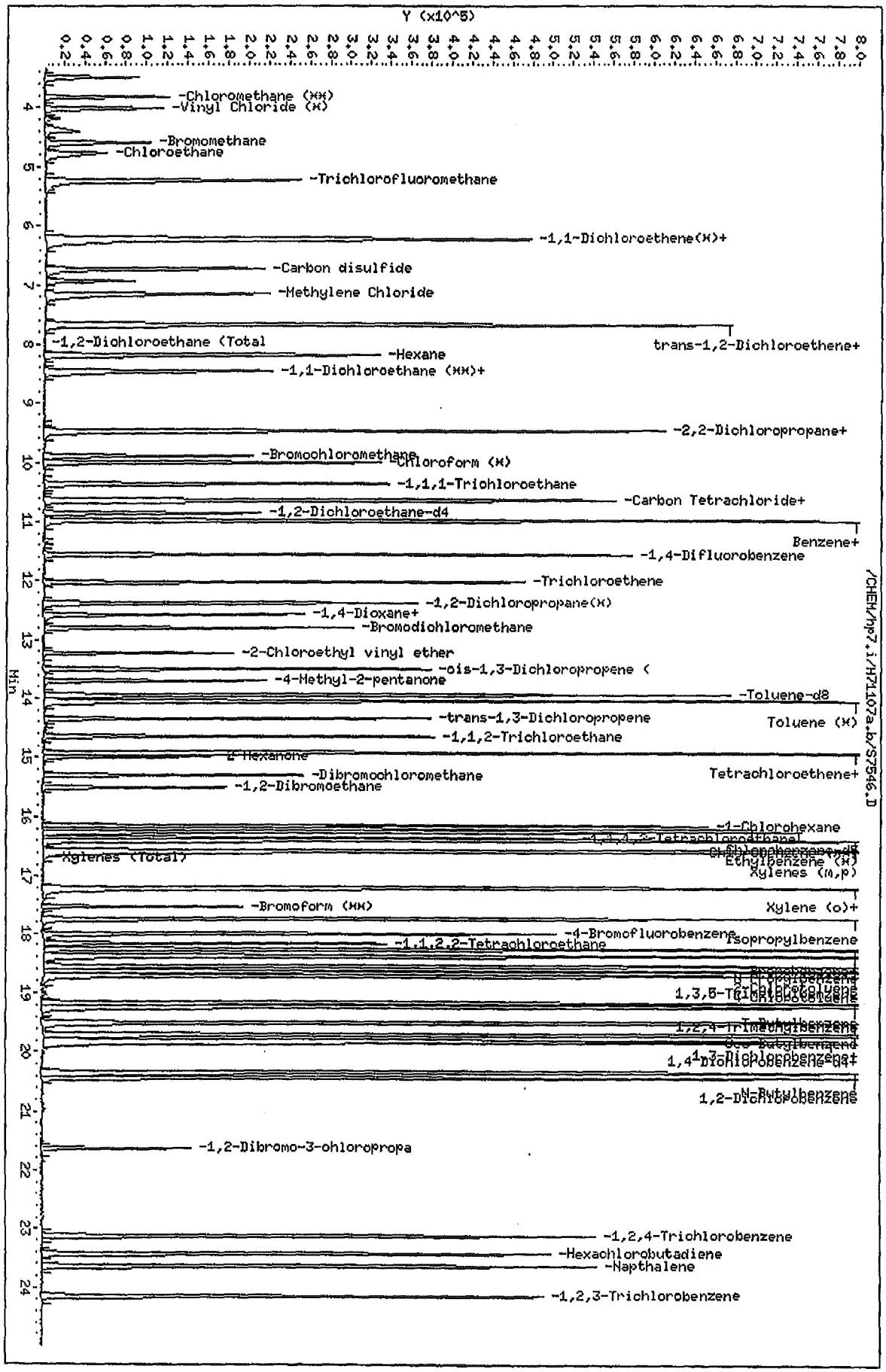
SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0000	42.6529	85.31	70-130
2 Chloromethane (**)	50.0000	39.7246	79.45	70-130
3 Vinyl Chloride (*)	50.0000	45.1895	90.38	70-130
4 Bromomethane	50.0000	46.4258	92.85	70-130
5 Chloroethane	50.0000	48.4355	96.87	70-130
6 Trichlorofluoromet	50.0000	51.1635	102.33	70-130
9 Trichlorotrifluoro	50.0000	64.3632	128.73	70-130
8 1,1-Dichloroethene	50.0000	50.7521	101.50	70-130
10 Acetone	50.0000	80.4848	160.97*	70-130
11 Carbon disulfide	50.0000	57.2874	114.57	70-130
12 Methylene Chloride	50.0000	49.8851	99.77	70-130
15 Methyl-t-butyl-eth	50.0000	60.3715	120.74	70-130
14 trans-1,2-Dichloro	50.0000	50.5946	101.19	70-130
17 1,1-Dichloroethane	50.0000	47.6945	95.39	70-130
18 Vinyl acetate	50.0000	72.9415	145.88*	70-130
22 2-Butanone	50.0000	75.6231	151.25*	70-130
21 cis 1,2-Dichloroet	50.0000	49.8386	99.68	70-130
20 2,2-Dichloropropan	50.0000	46.3904	92.78	70-130
23 Bromochloromethane	50.0000	50.7590	101.52	70-130
24 Chloroform (*)	50.0000	50.1067	100.21	70-130
25 1,1,1-Trichloroeth	50.0000	50.0548	100.11	70-130
28 1,1-Dichloropropen	50.0000	49.8430	99.69	70-130
27 Carbon Tetrachlori	50.0000	52.2165	104.43	70-130
30 Benzene	50.0000	51.1493	102.30	70-130
31 1,2-Dichloroethane	50.0000	52.1476	104.30	70-130
33 Trichloroethene	50.0000	49.2383	98.48	70-130
34 1,2-Dichloropropan	50.0000	49.6438	99.29	70-130
36 Dibromomethane	50.0000	54.3044	108.61	70-130
35 1,4-Dioxane	1250.00	1841.84	147.35*	70-130
37 Bromodichlorometha	50.0000	51.9682	103.94	70-130
38 2-Chloroethyl viny	50.0000	63.0746	126.15	70-130
39 cis-1,3-Dichloropr	50.0000	49.9104	99.82	70-130
40 4-Methyl-2-pentano	50.0000	76.5664	153.13*	70-130

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
42 Toluene (*)	50.0000	52.2423	104.48	70-130
43 trans-1,3-Dichloro	50.0000	51.0386	102.08	70-130
44 1,1,2-Trichloroeth	50.0000	56.5494	113.10	70-130
46 1,3-Dichloropropan	50.0000	52.0525	104.11	70-130
45 Tetrachloroethene	50.0000	48.1814	96.36	70-130
47 2-Hexanone	50.0000	75.5709	151.14*	70-130
48 Dibromochlorometha	50.0000	51.2323	102.46	70-130
49 1,2-Dibromoethane	50.0000	53.3040	106.61	70-130
51 Chlorobenzene (**)	50.0000	48.6664	97.33	70-130
53 1,1,1,2-Tetrachlor	50.0000	50.6097	101.22	70-130
54 Ethylbenzene (*)	50.0000	49.5248	99.05	70-130
55 Xylenes (m,p)	100.000	100.134	100.13	70-130
56 Xylene (o)	50.0000	50.2846	100.57	70-130
57 Styrene	50.0000	49.7584	99.52	70-130
58 Bromoform (**)	50.0000	58.0103	116.02	70-130
59 Isopropylbenzene	50.0000	53.2106	106.42	70-130
62 1,1,2,2-Tetrachlor	50.0000	57.8464	115.69	70-130
61 Bromobenzene	50.0000	47.0115	94.02	70-130
63 1,2,3-Trichloropro	50.0000	57.4957	114.99	70-130
64 N-Propylbenzene	50.0000	49.7492	99.50	70-130
65 2-Chlorotoluene	50.0000	49.0540	98.11	70-130
67 1,3,5-Trimethylben	50.0000	50.2871	100.57	70-130
66 4-Chlorotoluene	50.0000	46.8262	93.65	70-130
68 T-Butylbenzene	50.0000	50.1571	100.31	70-130
69 1,2,4-Trimethylben	50.0000	48.9810	97.96	70-130
70 Sec-Butylbenzene	50.0000	51.1078	102.22	70-130
73 P-Isopropyltoluene	50.0000	49.8109	99.62	70-130
71 1,3-Dichlorobenzen	50.0000	46.3470	92.69	70-130
74 1,4-Dichlorobenzen	50.0000	45.3547	90.71	70-130
76 N-Butylbenzene	50.0000	47.4239	94.85	70-130
75 1,2-Dichlorobenzen	50.0000	48.1236	96.25	70-130
77 1,2-Dibromo-3-chlo	50.0000	61.2911	122.58	70-130
78 1,2,4-Trichloroben	50.0000	41.3412	82.68	70-130
79 Hexachlorobutadien	50.0000	44.4793	88.96	70-130
80 Napthalene	50.0000	51.3828	102.77	70-130
81 1,2,3-Trichloroben	50.0000	44.7233	89.45	70-130

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	50.3495	100.70	75-125
$ 41 Toluene-d8	50.0000	49.4230	98.85	75-125
$ 60 4-Bromofluorobenze	50.0000	46.2886	92.58	80-120

Data File: /CHEM/hp7.i/H71107a.b/S7546.D
Date : 08-NOV-2000 08:56
Client ID:
Sample Info: DH9C51A3;Barnbys;3;HS;;;2
Column phase:

Instrument: hp7.i
Operator: Barnbys
Column diameter: 0.53



Page 10

001844

BOE-C6-0175382

Data File: \CHEM\hp7.i\H71107a.b\S7547.D
Report Date: 08-Nov-2000 09:51

Acetone
2-Butanone
4-methyl-2-pentanone
2-hexanone
all ↑

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71107a.b\S7547.D
Lab Smp Id: DM9G51A4
Inj Date : 08-NOV-2000 09:26
Operator : Barmbys Inst ID: hp7.i
Smp Info : DM9G51A4;Barmbys;3;MSD;;;2
Misc Info : 2;SOIL;0;Q8260.sub;all.spk;1;5;5
Comment :
Method : \chem\hp7.i\H71107a.b\8260S.m
Meth Date : 07-Nov-2000 23:40 halozanw Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 17 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

SA n/s/a

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	3.481	3.484	(0.301)	159164	46.1156	46.1156
2 Chloromethane (**)	50	3.819	3.822	(0.330)	175843	46.3019	46.3019
3 Vinyl Chloride (*)	62	4.013	4.016	(0.347)	203325	48.8644	48.8644
4 Bromomethane	94	4.595	4.598	(0.397)	125731	48.7858	48.7858
5 Chloroethane	64	4.775	4.770	(0.413)	123643	48.2875	48.2875
6 Trichlorofluoromethane	101	5.242	5.245	(0.453)	344776	49.6962	49.6962
8 1,1-Dichloroethene(*)	96	6.248	6.251	(0.540)	168087	49.2508	49.2508
9 Trichlorotrifluoroethane	101	6.219	6.222	(0.538)	191961	61.8350	61.8350
10 Acetone	43	6.291	6.301	(0.544)	67101	70.8697	70.8697(R)
11 Carbon disulfide	76	6.730	6.732	(0.582)	472755	55.9997	55.9997
12 Methylene Chloride	84	7.154	7.163	(0.619)	175152	48.5870	48.5870
13 Hexane	57	8.189	8.198	(0.708)	203809	57.6599	57.6598
14 trans-1,2-Dichloroethene	96	7.685	7.688	(0.664)	172962	48.6325	48.6325
M 131 1,2-Dichloroethane (Total)	96				329706	97.9951	97.9951
15 Methyl-t-butyl-ether	73	7.678	7.681	(0.664)	473839	57.8539	57.8539

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	17 1,1-Dichloroethane (**)	63	8.454	8.457	(0.731)	300855	48.5852	48.5852
	18 Vinyl acetate	43	8.505	8.500	(0.735)	88753	67.1182	67.1182(R)
	20 2,2-Dichloropropane	77	9.489	9.499	(0.820)	255880	44.5437	44.5437
	21 cis 1,2-Dichloroethene	96	9.482	9.485	(0.820)	156744	49.3626	49.3626
	22 2-Butanone	43	9.475	9.485	(0.819)	77612	66.1345	66.1345(R)
	23 Bromochloromethane	128	9.899	9.901	(0.856)	67722	48.8800	48.8800
	24 Chloroform (*)	83	10.007	10.016	(0.865)	329867	50.4695	50.4695
	25 1,1,1-Trichloroethane	97	10.366	10.376	(0.896)	290959	48.5468	48.5468
	27 Carbon Tetrachloride	117	10.661	10.663	(0.922)	260043	50.3699	50.3699
	28 1,1-Dichloropropene	75	10.639	10.642	(0.920)	230043	49.0748	49.0748
$	29 1,2-Dichloroethane-d4	65	10.862	10.872	(0.939)	197655	48.6423	48.6423
	30 Benzene	78	10.991	10.994	(0.950)	638037	49.8198	49.8198
	31 1,2-Dichloroethane	62	10.991	10.994	(0.950)	263455	49.6727	49.6727
*	32 1,4-Difluorobenzene	114	11.566	11.569	(1.000)	511164	50.0000	
	33 Trichloroethene	95	12.026	12.029	(1.040)	183107	48.0478	48.0478
	34 1,2-Dichloropropane(*)	63	12.385	12.388	(1.071)	146858	49.4531	49.4530
	35 1,4-Dioxane	88	12.579	12.582	(1.088)	39375	1598.07	1598.07
	36 Dibromomethane	93	12.579	12.582	(1.088)	97887	52.0135	52.0135
	37 Bromodichloromethane	83	12.802	12.805	(1.107)	234453	50.3820	50.3820
	38 2-Chloroethyl vinyl ether	63	13.226	13.229	(1.144)	74714	54.8954	54.8954
	39 cis-1,3-Dichloropropene (xtr)	75	13.499	13.502	(1.167)	242340	49.1121	49.1121
	40 4-Methyl-2-pentanone	43	13.700	13.710	(1.185)	148537	66.8364	66.8364(R)
$	41 Toluene-d8	98	13.952	13.955	(1.206)	567939	48.1636	48.1636
	42 Toluene (*)	92	14.053	14.062	(1.215)	421473	50.5479	50.5478
	43 trans-1,3-Dichloropropene(xt)	75	14.347	14.357	(1.240)	234274	49.5415	49.5415
	44 1,1,2-Trichloroethane	97	14.649	14.652	(1.267)	135171	53.6217	53.6217
	45 Tetrachloroethene	166	14.937	14.939	(0.921)	166615	47.3604	47.3604
	46 1,3-Dichloropropane	76	14.922	14.925	(0.920)	256630	51.6932	51.6932
	47 2-Hexanone	43	14.994	14.997	(0.925)	112887	67.2729	67.2729(R)
	48 Dibromochloromethane	129	15.296	15.306	(0.943)	152032	48.9025	48.9025
	49 1,2-Dibromoethane	107	15.504	15.507	(0.956)	137100	51.3235	51.3235
*	50 Chlorobenzene-d5	117	16.216	16.218	(1.000)	452330	50.0000	
	51 Chlorobenzene (**)	112	16.259	16.261	(1.003)	462653	48.0035	48.0035
	52 1-Chlorohexane	91	16.158	16.161	(0.996)	245857	55.8520	55.8520
	53 1,1,1,2-Tetrachloroethane	131	16.359	16.369	(1.009)	164277	48.9292	48.9292
	54 Ethylbenzene (*)	106	16.403	16.405	(1.012)	265467	48.9302	48.9302
M	132 Xylenes (Total)	106				994719	148.970	148.970
	55 Xylenes (m,p)	106	16.575	16.578	(1.022)	668127	98.6484	98.6484
	56 Xylene (o)	106	17.200	17.210	(1.061)	326592	50.3213	50.3213
	57 Styrene	104	17.215	17.217	(1.062)	532964	49.3604	49.3604
	58 Bromoform (**)	173	17.531	17.533	(1.081)	96586	54.6034	54.6034
	59 Isopropylbenzene	105	17.754	17.756	(1.095)	878669	51.9450	51.9450
$	60 4-Bromofluorobenzene	95	18.012	18.015	(1.111)	229867	46.3840	46.3840
	61 Bromobenzene	156	18.285	18.288	(0.923)	188483	48.6119	48.6119
	62 1,1,2,2-Tetrachloroethane(**)	83	18.185	18.187	(0.918)	178995	54.4664	54.4664
	63 1,2,3-Trichloropropane	75	18.278	18.281	(0.923)	215360	54.9612	54.9612
	64 N-Propylbenzene	91	18.393	18.396	(0.929)	1142764	50.5884	50.5884

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
65 2-Chlorotoluene	91	18.558	18.568	(0.937)	667514	49.6819	49.6819
66 4-Chlorotoluene	91	18.724	18.726	(0.945)	695822	48.4709	48.4709
67 1,3,5-Trimethylbenzene	105	18.645	18.647	(0.941)	793625	50.6913	50.6913
68 T-Butylbenzene	119	19.169	19.172	(0.968)	663059	50.8538	50.8538
69 1,2,4-Trimethylbenzene	105	19.234	19.237	(0.971)	799621	49.8935	49.8935
70 Sec-Butylbenzene	105	19.507	19.510	(0.985)	1016247	51.3928	51.3928
71 1,3-Dichlorobenzene	146	19.715	19.725	(0.995)	409537	47.9406	47.9406
* 72 1,4 Dichlorobenzene-d4	152	19.809	19.819	(1.000)	253115	50.0000	
73 P-Isopropyltoluene	119	19.708	19.711	(0.995)	844949	50.3702	50.3702
74 1,4-Dichlorobenzene	146	19.852	19.855	(1.002)	390180	46.1998	46.1998
75 1,2-Dichlorobenzene	146	20.434	20.444	(1.032)	374247	48.4826	48.4826
76 N-Butylbenzene	91	20.341	20.343	(1.027)	854028	48.8978	48.8978
77 1,2-Dibromo-3-chloropropane	75	21.634	21.637	(1.092)	46838	55.8702	55.8702
78 1,2,4-Trichlorobenzene	180	23.129	23.132	(1.168)	217102	43.6589	43.6589
79 Hexachlorobutadiene	225	23.431	23.441	(1.183)	125165	44.3483	44.3483
80 Napthalene	128	23.639	23.642	(1.193)	602951	50.8778	50.8778
81 1,2,3-Trichlorobenzene	180	24.150	24.152	(1.219)	212338	45.4291	45.4291

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: S7547.D
Lab Smp Id: DM9G51A4
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;Q8260.sub;all.spk;1;5;5

Calibration Date: 11/07/0
Calibration Time: 2235

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	557129	278565	1114258	511164	-8.25
50 Chlorobenzene-d5	506760	253380	1013520	452330	-10.74
72 1,4 Dichlorobenze	290615	145308	581230	253115	-12.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.57	11.07	12.07	11.57	-0.02
50 Chlorobenzene-d5	16.22	15.72	16.72	16.22	-0.02
72 1,4 Dichlorobenze	19.82	19.32	20.32	19.81	-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.

STL Sacramento

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM9G51A4
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: Q8260.sub
Method File: \chem\hp7.i\H71107a.b\8260S.m
Misc Info: 2;SOIL;0;Q8260.sub;all.spk;1;5;5

Client SDG: I80
Fraction: VOA

Operator: Barmbys
SampleType: MSD
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0000	46.1156	92.23	70-130
2 Chloromethane (**)	50.0000	46.3019	92.60	70-130
3 Vinyl Chloride (*)	50.0000	48.8644	97.73	70-130
4 Bromomethane	50.0000	48.7858	97.57	70-130
5 Chloroethane	50.0000	48.2875	96.58	70-130
6 Trichlorofluoromet	50.0000	49.6962	99.39	70-130
9 Trichlorotrifluoro	50.0000	61.8350	123.67	70-130
8 1,1-Dichloroethene	50.0000	49.2508	98.50	70-130
10 Acetone	50.0000	70.8697	141.74*	70-130
11 Carbon disulfide	50.0000	55.9997	112.00	70-130
12 Methylene Chloride	50.0000	48.5870	97.17	70-130
15 Methyl-t-butyl-eth	50.0000	57.8539	115.71	70-130
14 trans-1,2-Dichloro	50.0000	48.6325	97.27	70-130
17 1,1-Dichloroethane	50.0000	48.5852	97.17	70-130
18 Vinyl acetate	50.0000	67.1182	134.24*	70-130
22 2-Butanone	50.0000	66.1345	132.27*	70-130
21 cis 1,2-Dichloroet	50.0000	49.3626	98.73	70-130
20 2,2-Dichloropropan	50.0000	44.5437	89.09	70-130
23 Bromochloromethane	50.0000	48.8800	97.76	70-130
24 Chloroform (*)	50.0000	50.4695	100.94	70-130
25 1,1,1-Trichloroeth	50.0000	48.5468	97.09	70-130
28 1,1-Dichloropropen	50.0000	49.0748	98.15	70-130
27 Carbon Tetrachlori	50.0000	50.3699	100.74	70-130
30 Benzene	50.0000	49.8198	99.64	70-130
31 1,2-Dichloroethane	50.0000	49.6727	99.35	70-130
33 Trichloroethene	50.0000	48.0478	96.10	70-130
34 1,2-Dichloropropan	50.0000	49.4530	98.91	70-130
36 Dibromomethane	50.0000	52.0135	104.03	70-130
35 1,4-Dioxane	1250.00	1598.07	127.85	70-130
37 Bromodichlorometha	50.0000	50.3820	100.76	70-130
38 2-Chloroethyl viny	50.0000	54.8954	109.79	70-130
39 cis-1,3-Dichloropr	50.0000	49.1121	98.22	70-130
40 4-Methyl-2-pentano	50.0000	66.8364	133.67*	70-130

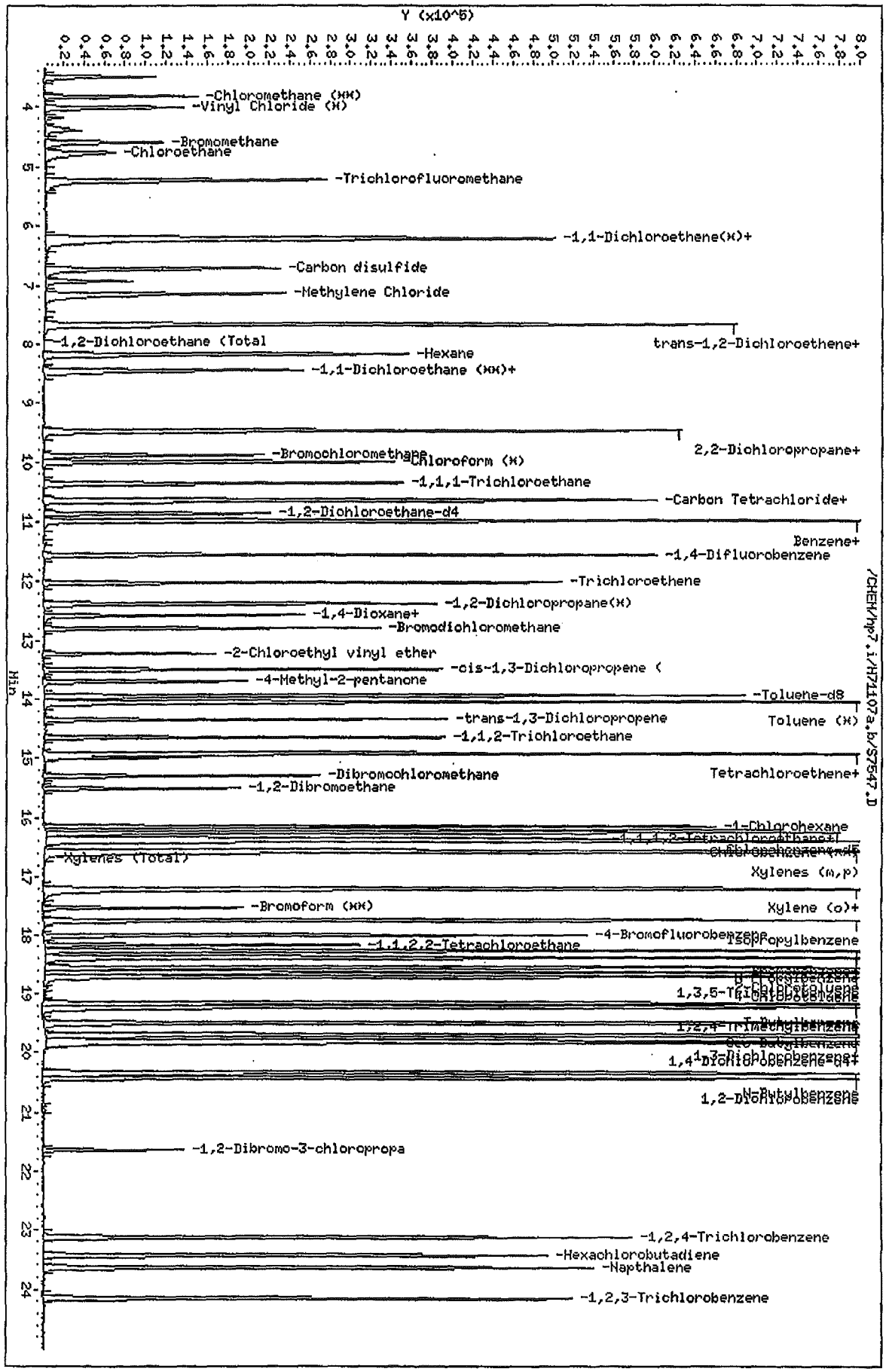
SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
42 Toluene (*)	50.0000	50.5478	101.10	70-130
43 trans-1,3-Dichloro	50.0000	49.5415	99.08	70-130
44 1,1,2-Trichloroeth	50.0000	53.6217	107.24	70-130
46 1,3-Dichloropropan	50.0000	51.6932	103.39	70-130
45 Tetrachloroethene	50.0000	47.3604	94.72	70-130
47 2-Hexanone	50.0000	67.2729	134.55*	70-130
48 Dibromochlorometha	50.0000	48.9025	97.81	70-130
49 1,2-Dibromoethane	50.0000	51.3235	102.65	70-130
51 Chlorobenzene (**)	50.0000	48.0035	96.01	70-130
53 1,1,1,2-Tetrachlor	50.0000	48.9292	97.86	70-130
54 Ethylbenzene (*)	50.0000	48.9302	97.86	70-130
55 Xylenes (m,p)	100.000	98.6484	98.65	70-130
56 Xylene (o)	50.0000	50.3213	100.64	70-130
57 Styrene	50.0000	49.3604	98.72	70-130
58 Bromoform (**)	50.0000	54.6034	109.21	70-130
59 Isopropylbenzene	50.0000	51.9450	103.89	70-130
62 1,1,2,2-Tetrachlor	50.0000	54.4664	108.93	70-130
61 Bromobenzene	50.0000	48.6119	97.22	70-130
63 1,2,3-Trichloropro	50.0000	54.9612	109.92	70-130
64 N-Propylbenzene	50.0000	50.5884	101.18	70-130
65 2-Chlorotoluene	50.0000	49.6819	99.36	70-130
67 1,3,5-Trimethylben	50.0000	50.6913	101.38	70-130
66 4-Chlorotoluene	50.0000	48.4709	96.94	70-130
68 T-Butylbenzene	50.0000	50.8538	101.71	70-130
69 1,2,4-Trimethylben	50.0000	49.8935	99.79	70-130
70 Sec-Butylbenzene	50.0000	51.3928	102.79	70-130
73 P-Isopropyltoluene	50.0000	50.3702	100.74	70-130
71 1,3-Dichlorobenzen	50.0000	47.9406	95.88	70-130
74 1,4-Dichlorobenzen	50.0000	46.1998	92.40	70-130
76 N-Butylbenzene	50.0000	48.8978	97.80	70-130
75 1,2-Dichlorobenzen	50.0000	48.4826	96.97	70-130
77 1,2-Dibromo-3-chlo	50.0000	55.8702	111.74	70-130
78 1,2,4-Trichloroben	50.0000	43.6589	87.32	70-130
79 Hexachlorobutadien	50.0000	44.3483	88.70	70-130
80 Napthalene	50.0000	50.8778	101.76	70-130
81 1,2,3-Trichloroben	50.0000	45.4291	90.86	70-130

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 1,2-Dichloroethane	50.0000	48.6423	97.28	75-125
$ 41 Toluene-d8	50.0000	48.1636	96.33	75-125
$ 60 4-Bromofluorobenze	50.0000	46.3840	92.77	80-120

Data File: /CHEM/hp7.i/H71107a.b/S7547.D
Date : 08-NOV-2000 09:26
Client ID:
Sample Info: DH9G51A4;Barmbys;3;MSD;;;2

Column phase:

Instrument: hp7.i
Operator: Barmbys
Column diameter: 0.53



Initial Calibration

BOE-C6-0175390

STL Sacramento
GC/MS INSTRUMENT LOG

Page# 66
Book# 4535

VOLATILES

Standard ID's
Method 8260B

IS	VMS149390001007A	
SURR	VMS149384000831E	
TCL	VMS149391001007B	
ODD	VMS149393001009A	VMS149376001009B
MS	VMS149392001007G	VMS149395001009C
BFB	VMS149349000503A	

Inst ID : hp7.i
Batch ID : H71102.b
Init Cal : 11/2/00
Reviewed By/Date: LSM 11/7/00
Matrix : SOIL
Level : LOW

Date	Time	Operator	Sample ID	File ID	Vol or Wt	MeOH (ml)	MeOH inj.	pH	SPG	Comments
02-NOV-2000	10:02	barmbys	50NG BFB 2UL	B7176.D	0 g				2	
02-NOV-2000	10:17	barmbys	50NG BFB 2UL	B7177.D	0 g				2	
02-NOV-2000	10:34	barmbys	50NG BFB 2UL	B7178.D	0 g				2	
02-NOV-2000	10:59	Barmbys	VSTD050	V7460.D	5 g				1	
02-NOV-2000	11:30	Barmbys	VSTD050 ap9	V7461.D	5 g				2	
02-NOV-2000	11:30	Barmbys	VSTD050 ap9	V7461A.D	5 g				2	
02-NOV-2000	12:00	Barmbys	VSTD050	V7462.D	5 g				3	
02-NOV-2000	12:53	Barmbys	VSTD200	V7463.D	5 g				4	8260 curve
02-NOV-2000	13:24	Barmbys	VSTD100	V7464.D	5 g				5	
02-NOV-2000	13:55	Barmbys	VSTD050	V7465.D	5 g				6	
02-NOV-2000	14:25	Barmbys	VSTD020	V7466.D	5 g				7	
02-NOV-2000	14:56	Barmbys	VSTD010	V7467.D	5 g				8	
02-NOV-2000	15:26	Barmbys	VSTD005	V7468.D	5 g				9	

Renewed 11/7/0

STL Sacramento

Data file : \chem\hp7.i\H71102.b\B7178.D
Lab Smp Id: 50NG BFB 2UL DI
Inj Date : 02-NOV-2000 10:34
Operator : barmbys Inst ID: hp7.i
Smp Info : 50NG BFB 2UL DI;barmbys;;;;;;
Misc Info : 2;SOIL;0;;;;;;;;
Comment :
Method : \chem\hp7.i\H71102.b\BFB7.M
Meth Date : 25-Sep-2000 10:20 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.40 Sample Matrix: SOIL
Processing Host: SACP2006

SPA 11/2/00

Concentration Formula: Amt * DF * Uf * Vf

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.107	5.180	(0.000)	95	17373			0.00- 100.00	100.00
5.107	5.180	(0.000)	50	3812			15.00- 40.00	21.94
5.107	5.180	(0.000)	75	9747			30.00- 60.00	56.10
5.107	5.180	(0.000)	96	1157			5.00- 9.00	6.66
5.107	5.180	(0.000)	173	72			0.00- 2.00	0.67
5.107	5.180	(0.000)	174	10696			50.00- 0.00	61.57
5.107	5.180	(0.000)	175	821			5.00- 9.00	7.68
5.107	5.180	(0.000)	176	10225			95.00- 101.00	95.60
5.107	5.180	(0.000)	177	641			5.00- 9.00	6.27

Data File: /chem/hp7.i/H71102.b/B7178.D

Date : 02-NOV-2000 10:34

Client ID:

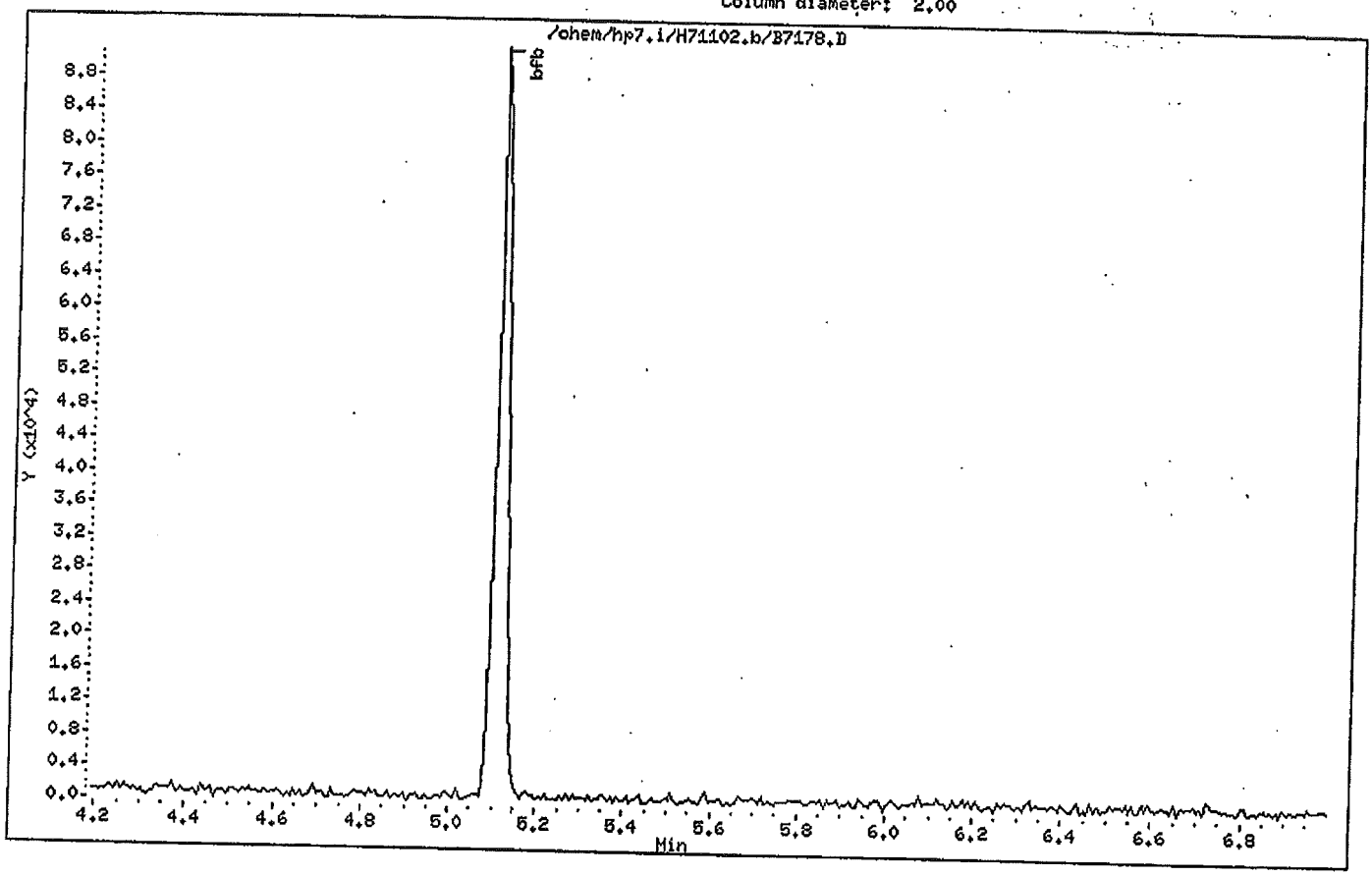
Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Instrument: hp7.i

Operator: barmbys

Column phase:

Column diameter: 2.00



Data File: /chem/hp7.i/H71102.b/B7178.D

Date : 02-NOV-2000 10:34

Client ID:

Instrument: hp7.i

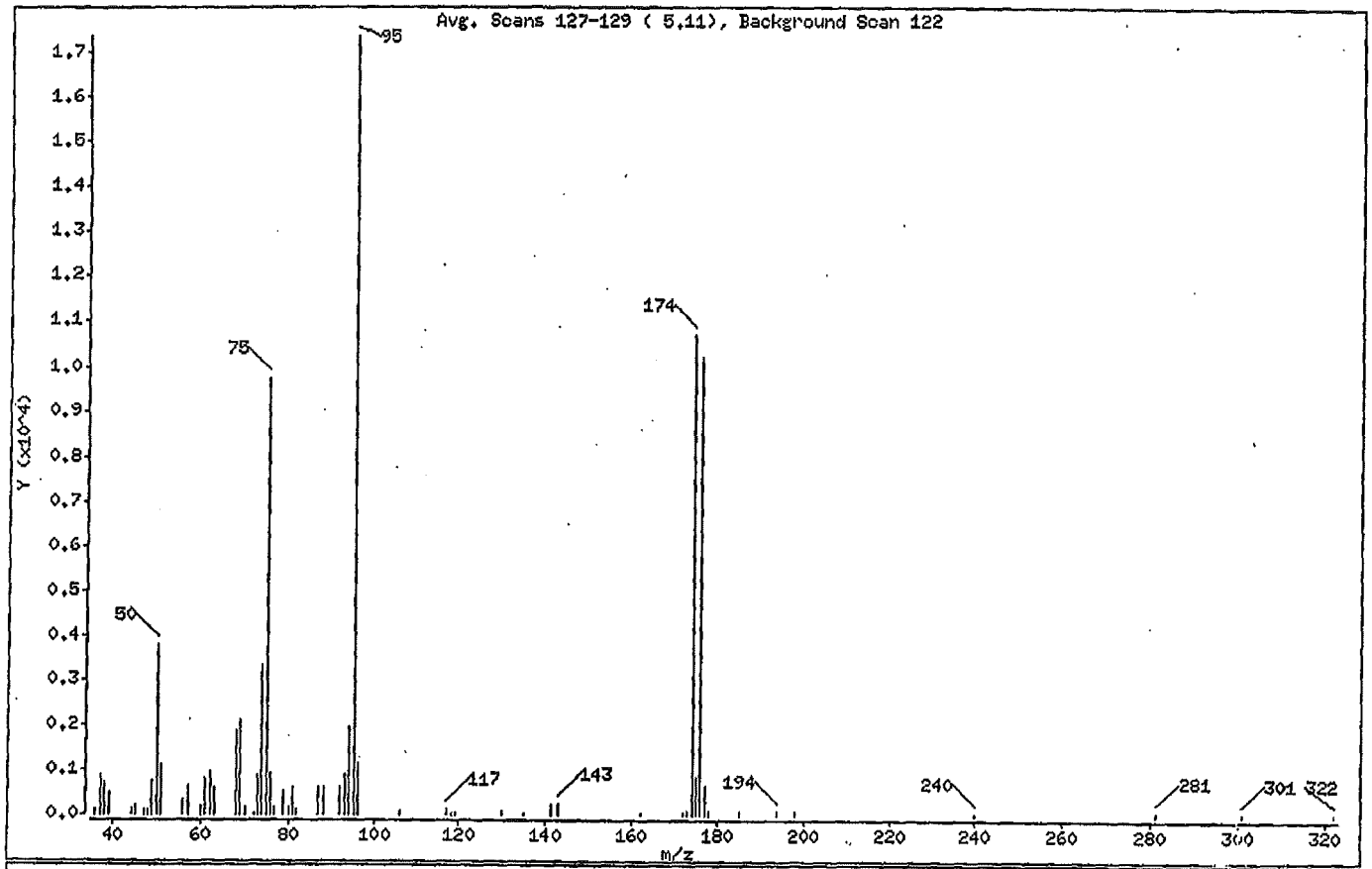
Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Operator: barmbys

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.94
75	30.00 - 60.00% of mass 95	56.10
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.41 (0.67)
174	Greater than 50.00% of mass 95	61.57
175	5.00 - 9.00% of mass 174	4.73 (7.68)
176	95.00 - 101.00% of mass 174	58.86 (95.60)
177	5.00 - 9.00% of mass 176	3.69 (6.27)

Data File: /chem/hp7.i/H71102.b/B7178.D

Date : 02-NOV-2000 10:34

Client ID:

Instrument: hp7.i

Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Operator: barmbys

Column phase:

Column diameter: 2.00

Data File: B7178.D
Spectrum: Avg. Scans 127-129 (5.11), Background Scan 122
Location of Maximum: 95.00
Number of points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	139	63.00	585	92.00	626	174.00	10696
37.00	896	68.00	1896	93.00	892	175.00	821
38.00	707	69.00	2098	94.00	1941	176.00	10225
39.00	460	70.00	157	95.00	17368	177.00	641
44.00	121	72.00	56	96.00	1157	178.00	60
45.00	215	73.00	871	106.00	66	185.00	60
47.00	138	74.00	3306	117.00	122	194.00	85
48.00	107	75.00	9747	118.00	59	198.00	62
49.00	758	76.00	916	119.00	51	240.00	57
50.00	3812	77.00	158	130.00	64	281.00	67
51.00	1111	79.00	505	135.00	56	301.00	52
56.00	330	80.00	147	141.00	232	322.00	56
57.00	633	81.00	587	143.00	254		
60.00	199	82.00	123	162.00	57		
61.00	805	87.00	589	172.00	53		
62.00	960	88.00	602	173.00	72		

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 02-NOV-2000 15:26
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71102.b\8260S.m
Cal Date : 02-Nov-2000 16:35 barmbys
Curve Type : Average

Calibration File Names:
Level 1: \chem\hp7.i\H71030.b\V7450.D
Level 2: \chem\hp7.i\H71102.b\V7467.D
Level 3: \chem\hp7.i\H71102.b\V7466.D
Level 4: \chem\hp7.i\H71102.b\V7465.D
Level 5: \chem\hp7.i\H71102.b\V7464.D
Level 6: \chem\hp7.i\H71102.b\V7463.D

STA 11/2/00

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
1 Dichlorodifluoromethane	0.34221	0.37506	0.37159	0.32288	0.30887	0.30501	0.33760	9.066
2 Chloromethane (**)	0.37792	0.42886	0.41338	0.34878	0.33132	0.32862	0.37148	11.455
3 Vinyl Chloride (*)	0.40142	0.45049	0.44572	0.38748	0.37979	0.37718	0.40701	8.098
4 Bromomethane	0.25417	0.28175	0.28002	0.24763	0.23446	0.21452	0.25209	10.355
5 Chloroethane	0.25302	0.27704	0.26179	0.23888	0.23619	0.23585	0.25046	6.663
6 Trichlorofluoromethane	0.71629	0.73308	0.72743	0.63519	0.61598	0.64371	0.67861	7.740
118 Acrolein	+++++	0.01703	0.01733	0.01555	0.01694	0.01350	0.01607	9.906
9 Trichlorotrifluoroethane	+++++	0.33114	0.32026	0.28897	0.28272	0.29521	0.30366	6.900
8 1,1-Dichloroethene(*)	0.34358	0.35821	0.35243	0.31697	0.31780	0.31401	0.33383	5.946
10 Acetone	+++++	0.12292	0.09629	0.08460	0.08318	0.07608	0.09261	19.901
119 Iodomethane	+++++	0.29844	0.28960	0.29332	0.28654	0.22086	0.27775	11.562
11 Carbon disulfide	+++++	0.85636	0.85963	0.78944	0.80410	0.81934	0.82577	3.788
120 Acetonitrile	+++++	0.03901	0.03330	0.03769	0.03867	0.04180	0.03809	8.096
121 Allyl Chloride	+++++	0.12880	0.12015	0.12271	0.12778	0.12721	0.12533	2.967
12 Methylene Chloride	0.39343	0.38285	0.36708	0.33043	0.32446	0.31746	0.35262	9.241
7 t-Butanol	+++++	0.02819	0.02587	0.02009	0.02282	0.02146	0.02369	13.957
122 Acrylonitrile	+++++	0.06483	0.06015	0.05287	0.05538	0.05170	0.05698	9.572
15 Methyl-t-butyl-ether	+++++	0.83679	0.81165	0.79822	0.79107	0.76797	0.80114	3.177
14 trans-1,2-Dichloroethene	0.35690	0.37555	0.37320	0.33597	0.32383	0.32185	0.34788	6.905
M 131 1,2-Dichloroethane (Total)	0.64372	0.69312	0.69611	0.64067	0.64058	0.63670	0.65848	4.266
13 Hexane	+++++	0.33675	0.35695	0.33770	0.35022	0.34712	0.34575	2.476
18 Vinyl acetate	+++++	0.08711	0.10646	0.13123	0.15440	0.16753	0.12935	25.634
17 1,1-Dichloroethane (**)	0.62224	0.65695	0.63980	0.57786	0.57853	0.55887	0.60571	6.508
16 Isopropyl ether	+++++	0.83347	0.79575	0.71845	0.77973	0.77744	0.78097	5.317
123 Chloroprene	+++++	0.51703	0.51277	0.48137	0.45418	0.46493	0.48606	5.780

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 02-NOV-2000 15:26
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71102.b\8260S.m
Cal Date : 02-Nov-2000 16:35 barmbys
Curve Type : Average

SPA 11/2/0

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
19 t-Butyl-ethyl-ether	+++++	0.75590	0.73847	0.67293	0.72772	0.73764	0.72653	4.354	
22 2-Butanone	+++++	0.12055	0.10773	0.11465	0.11959	0.11145	0.11479	4.716	
21 cis 1,2-Dichloroethene	0.28682	0.31757	0.32292	0.30469	0.31675	0.31485	0.31060	4.214	
20 2,2-Dichloropropane	0.52182	0.57007	0.59712	0.54353	0.56242	0.57643	0.56190	4.683	
124 Propionitrile	+++++	0.02642	0.02607	0.02188	0.02574	0.02525	0.02507	7.313	
125 Methacrylonitrile	+++++	0.10521	0.10787	0.10740	0.11841	0.12078	0.11193	6.354	
23 Bromochloromethane	0.13355	0.14679	0.13830	0.13344	0.13281	0.12824	0.13552	4.704	
24 Chloroform (*)	0.64431	0.68050	0.67971	0.61193	0.61167	0.60782	0.63932	5.355	
25 1,1,1-Trichloroethane	0.57522	0.61842	0.61718	0.56907	0.56685	0.57074	0.58625	4.196	
28 1,1-Dichloropropene	0.37694	0.45632	0.49303	0.46613	0.47701	0.48170	0.45852	9.143	
27 Carbon Tetrachloride	0.48366	0.50283	0.52651	0.49538	0.50008	0.52149	0.50499	3.207	
127 Isobutanol	+++++	0.00863	0.00869	0.00793	0.00928	0.00928	0.00876	6.371	<-
30 Benzene	1.19755	1.31298	1.33995	1.21387	1.23146	1.22051	1.25272	4.693	
31 1,2-Dichloroethane	0.51018	0.55600	0.54378	0.49809	0.50222	0.50253	0.51880	4.761	
126 Cyclohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
26 t-Amyl-methyl-ether	+++++	0.66146	0.65042	0.60119	0.64298	0.64702	0.64062	3.603	
33 Trichloroethene	0.34954	0.38897	0.39378	0.36007	0.36418	0.38008	0.37277	4.696	
34 1,2-Dichloropropane(*)	0.27582	0.29235	0.30752	0.28269	0.28613	0.29836	0.29048	3.927	
128 Methyl Methacrylate	+++++	0.18540	0.19335	0.18979	0.18664	0.18855	0.18875	1.631	
35 1,4-Dioxane	+++++	0.00214	0.00217	0.00245	0.00270	0.00259	0.00241	10.325	
36 Dibromomethane	0.17230	0.19524	0.19121	0.17830	0.18208	0.18537	0.18408	4.566	
37 Bromodichloromethane	0.42181	0.45439	0.47212	0.44345	0.45411	0.48525	0.45519	4.857	
38 2-Chloroethyl vinyl ether	+++++	0.10192	0.12296	0.13623	0.14650	0.15805	0.13313	16.314	
39 cis-1,3-Dichloropropene (xtr)	0.37696	0.46878	0.49406	0.49609	0.51189	0.54821	0.48267	12.019	
40 4-Methyl-2-pentanone	+++++	0.18679	0.19959	0.21946	0.24000	0.24109	0.21739	11.104	
42 Toluene (*)	0.72249	0.82186	0.85815	0.79055	0.81865	0.88189	0.81560	6.838	
43 trans-1,3-Dichloropropene(xt)	0.37334	0.43923	0.46455	0.46977	0.49837	0.53010	0.46256	11.604	
129 Ethyl Methacrylate	+++++	0.22708	0.26063	0.28187	0.29655	0.30526	0.27428	11.425	
44 1,1,2-Trichloroethane	0.22196	0.25317	0.25192	0.24202	0.24985	0.26054	0.24658	5.454	
46 1,3-Dichloropropane	0.48676	0.56841	0.56639	0.56153	0.55655	0.55297	0.54877	5.635	
45 Tetrachloroethene	0.36123	0.39018	0.40191	0.38419	0.38799	0.40776	0.38888	4.171	
47 2-Hexanone	+++++	0.16293	0.17172	0.19859	0.20278	0.19142	0.18549	9.354	
48 Dibromochloromethane	0.30766	0.34710	0.34956	0.35226	0.35131	0.35402	0.34365	5.176	

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 02-NOV-2000 15:26
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71102.b\8260S.m
Cal Date : 02-Nov-2000 16:35 barmbys
Curve Type : Average

11/2/00

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
49 1,2-Dibromoethane	0.26262	0.30141	0.30342	0.30809	0.30270	0.29344	0.29528	5.653
52 1-Chlorohexane	+++++	0.43170	0.48533	0.48507	0.50181	0.52902	0.48659	7.301
51 Chlorobenzene (**)	1.05898	1.11929	1.10860	1.03990	1.03101	1.03439	1.06536	3.661
53 1,1,1,2-Tetrachloroethane	0.34349	0.36759	0.38567	0.37223	0.37077	0.38701	0.37113	4.245
54 Ethylbenzene (*)	0.53680	0.61229	0.63637	0.59896	0.59654	0.61735	0.59972	5.670
55 Xylenes (m,p)	0.66537	0.75864	0.78882	0.75202	0.75307	0.77403	0.74866	5.768
M 132 Xylenes (Total)	0.52023	0.61932	0.64743	0.62347	0.65645	0.72210	0.63150	10.427
56 Xylene (o)	0.59924	0.72858	0.74953	0.73223	0.73643	0.75845	0.71741	8.220
57 Styrene	0.98860	1.18005	1.25874	1.22380	1.23993	1.27006	1.19353	8.816
58 Bromoform (**)	0.15666	0.18002	0.19741	0.20590	0.21751	0.21567	0.19553	11.996
59 Isopropylbenzene	1.52154	1.87132	2.01810	1.95642	1.93750	1.91395	1.86981	9.486
62 1,1,2,2-Tetrachloroethane(**)	0.63010	0.67504	0.65893	0.64364	0.66075	0.62662	0.64918	2.924
130 T-1,4-Dichloro-2-Butene	+++++	0.06685	0.07462	0.08724	0.10599	0.11252	0.08944	21.948
63 1,2,3-Trichloropropane	0.74890	0.83532	0.79772	0.75917	0.76724	0.73586	0.77404	4.720
61 Bromobenzene	0.71924	0.79941	0.78426	0.73477	0.76769	0.79013	0.76592	4.209
64 N-Propylbenzene	4.24962	4.66421	4.82519	4.39313	4.41691	4.22467	4.46229	5.[illegible]
65 2-Chlorotoluene	2.54321	2.80246	2.85489	2.58439	2.57863	2.56092	2.65408	5.162
67 1,3,5-Trimethylbenzene	2.89798	3.21018	3.32300	3.03078	3.04693	3.04717	3.09267	4.856
66 4-Chlorotoluene	2.85528	3.01682	3.02249	2.73558	2.71501	2.66936	2.83576	5.471
68 T-Butylbenzene	2.26003	2.66624	2.76223	2.56493	2.59341	2.60687	2.57562	6.590
69 1,2,4-Trimethylbenzene	3.00218	3.33496	3.39418	3.10125	3.10067	3.06194	3.16586	5.029
70 Sec-Butylbenzene	3.57403	4.09780	4.27762	3.86975	3.85130	3.76644	3.90615	6.363
73 P-Isopropyltoluene	2.86717	3.41253	3.54458	3.29685	3.37212	3.38876	3.31367	7.036
71 1,3-Dichlorobenzene	1.61804	1.76324	1.74522	1.60909	1.66599	1.72338	1.68749	3.912
74 1,4-Dichlorobenzene	1.69641	1.76039	1.75129	1.58804	1.60382	1.60993	1.66831	4.656
76 N-Butylbenzene	3.09807	3.54954	3.79641	3.44796	3.43541	3.37338	3.45013	6.608
75 1,2-Dichlorobenzene	1.49587	1.60337	1.60958	1.48357	1.47887	1.47779	1.52484	4.170
77 1,2-Dibromo-3-chloropropane	+++++	0.17644	0.15745	0.17193	0.16951	0.15268	0.16560	6.084
78 1,2,4-Trichlorobenzene	0.85137	0.94683	1.02896	1.01131	1.00862	1.04669	0.98230	7.377
79 Hexachlorobutadiene	0.52725	0.55535	0.59259	0.54939	0.54752	0.57299	0.55752	4.055
80 Naphthalene	2.01683	2.42813	2.53163	2.50364	2.38576	2.18016	2.34103	8.614
81 1,2,3-Trichlorobenzene	0.83245	0.93502	0.98078	0.94272	0.92518	0.92367	0.92331	5.323

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 02-NOV-2000 15:26
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71102.b\8260S.m
Cal Date : 02-Nov-2000 16:35 barmbys
Curve Type : Average

SM 11/2/00

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
$ 29 1,2-Dichloroethane-d4	+++++	0.44397	0.41330	0.38930	0.37208	0.36870	0.39747	7.908
$ 41 Toluene-d8	+++++	1.16218	1.15583	1.11963	1.11239	1.21714	1.15343	3.618
$ 60 4-Bromofluorobenzene	+++++	0.56176	0.56019	0.55940	0.52198	0.53568	0.54780	3.287

KW 11/8/00

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71102.b\V7468.D
Lab Smp Id: VSTD005
Inj Date : 02-NOV-2000 15:26
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD005;Barmbys;1;;1;;1
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71102.b\8260S.m
Meth Date : 02-Nov-2000 15:51 auto Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
1 Dichlorodifluoromethane	85	3.483	3.483	(0.301)	19654	5.00000	6.52099 (M)
2 Chloromethane (**)	50	3.821	3.820	(0.330)	21705	5.00000	6.38823
3 Vinyl Chloride (*)	62	4.015	4.014	(0.347)	23055	5.00000	6.63662
4 Bromomethane	94	4.604	4.597	(0.398)	14598	5.00000	6.69068
5 Chloroethane	64	4.776	4.769	(0.413)	14532	5.00000	7.10758 (M)
6 Trichlorofluoromethane	101	5.243	5.236	(0.454)	41139	5.00000	7.46831
8 1,1-Dichloroethene(*)	96	6.250	6.242	(0.541)	19733	5.00000	6.54662
9 Trichlorotrifluoroethane	101	6.228	6.221	(0.539)	17669	5.00000	6.76282
10 Acetone	43	6.300	6.293	(0.545)	10072	5.00000	16.1361 (M)
11 Carbon disulfide	76	6.731	6.731	(0.582)	46170	5.00000	6.40530
12 Methylene Chloride	84	7.155	7.155	(0.619)	22596	5.00000	7.48963
13 Hexane	57	8.190	8.183	(0.708)	17545	5.00000	4.50721 (M)
14 trans-1,2-Dichloroethene	96	7.687	7.687	(0.665)	20498	5.00000	6.12352
M 131 1,2-Dichloroethane (Total)	96				36971	5.00000	10.7948
15 Methyl-t-butyl-ether	73	7.672	7.672	(0.664)	43078	5.00000	6.71122

1 5ng n/a/a
1
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1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
	17 1,1-Dichloroethane (**)	63	8.456	8.448	(0.731)	35737	5.00000	5.61317
	18 Vinyl acetate	43	8.499	8.499	(0.735)	11270	5.00000	11.5048
	20 2,2-Dichloropropane	77	9.491	9.490	(0.821)	29970	5.00000	5.45260
	21 cis 1,2-Dichloroethene	96	9.483	9.483	(0.820)	16473	5.00000	4.67128
	22 2-Butanone	43	9.476	9.476	(0.820)	7395	5.00000	6.58523 (M)
	23 Bromochloromethane	128	9.907	9.900	(0.857)	7670	5.00000	4.74571 (M)
	24 Chloroform (*)	83	10.008	10.008	(0.866)	37005	5.00000	5.72327
	25 1,1,1-Trichloroethane	97	10.367	10.367	(0.897)	33037	5.00000	5.71169
	27 Carbon Tetrachloride	117	10.662	10.662	(0.922)	27778	5.00000	5.83172
	28 1,1-Dichloropropene	75	10.640	10.640	(0.920)	21649	5.00000	4.34539 (M)
$	29 1,2-Dichloroethane-d4	65	10.863	10.863	(0.940)	22194	5.00000	6.19096 (M)
	30 Benzene	78	10.993	10.992	(0.951)	68779	5.00000	5.03476
	31 1,2-Dichloroethane	62	10.993	10.992	(0.951)	29301	5.00000	6.20502
*	32 1,4-Difluorobenzene	114	11.560	11.560	(1.000)	574332	50.0000	
	33 Trichloroethene	95	12.027	12.027	(1.040)	20075	5.00000	4.98043
	34 1,2-Dichloropropane (*)	63	12.380	12.379	(1.071)	15841	5.00000	4.98878
	35 1,4-Dioxane	88	12.588	12.581	(1.089)	1882	5.00000	74.2931
	36 Dibromomethane	93	12.574	12.573	(1.088)	9896	5.00000	5.23503 (M)
	37 Bromodichloromethane	83	12.804	12.803	(1.108)	24226	5.00000	5.33426
	38 2-Chloroethyl vinyl ether	63	13.235	13.227	(1.145)	4651	5.00000	3.49590 (M)
	39 cis-1,3-Dichloropropene (xtr)	75	13.501	13.500	(1.168)	21650	5.00000	4.15012
	40 4-Methyl-2-pentanone	43	13.702	13.702	(1.185)	8715	5.00000	4.04482 (M)
$	41 Toluene-d8	98	13.946	13.946	(1.206)	53671	5.00000	4.44198
	42 Toluene (*)	92	14.054	14.054	(1.216)	41495	5.00000	4.66158
	43 trans-1,3-Dichloropropene (xt)	75	14.349	14.348	(1.241)	21442	5.00000	4.57669
	44 1,1,2-Trichloroethane	97	14.658	14.650	(1.268)	12748	5.00000	4.86134
	45 Tetrachloroethene	166	14.938	14.931	(0.921)	16777	5.00000	4.25266
	46 1,3-Dichloropropane	76	14.924	14.923	(0.920)	22607	5.00000	4.76158
	47 2-Hexanone	43	14.995	14.995	(0.925)	6528	5.00000	4.43488 (M)
	48 Dibromochloromethane	129	15.297	15.297	(0.943)	14289	5.00000	4.76352
	49 1,2-Dibromoethane	107	15.506	15.505	(0.956)	12197	5.00000	4.54286
*	50 Chlorobenzene-d5	117	16.217	16.210	(1.000)	464436	50.0000	
	51 Chlorobenzene (**)	112	16.260	16.260	(1.003)	49183	5.00000	5.00476
	52 1-Chlorohexane	91	16.160	16.159	(0.996)	16839	5.00000	3.80494
	53 1,1,1,2-Tetrachloroethane	131	16.361	16.361	(1.009)	15953	5.00000	4.87983
	54 Ethylbenzene (*)	106	16.397	16.397	(1.011)	24931	5.00000	4.55007
M	132 Xylenes (Total)	106				89635	15.0000	13.5357
	55 Xylenes (m,p)	106	16.576	16.576	(1.022)	61804	10.0000	9.20247
	56 Xylene (o)	106	17.202	17.201	(1.061)	27831	5.00000	4.33322
	57 Styrene	104	17.216	17.209	(1.062)	45914	5.00000	4.34722
	58 Bromoform (**)	173	17.532	17.532	(1.081)	7276	5.00000	4.12288 (M)
	59 Isopropylbenzene	105	17.755	17.755	(1.095)	70666	5.00000	4.29626
$	60 4-Bromofluorobenzene	95	18.014	18.014	(1.111)	20297	5.00000	4.48317
	61 Bromobenzene	156	18.287	18.279	(0.923)	17484	5.00000	4.46240
	62 1,1,2,2-Tetrachloroethane (**)	83	18.179	18.179	(0.918)	15317	5.00000	5.22743
	63 1,2,3-Trichloropropane	75	18.272	18.272	(0.922)	18205	5.00000	5.51399 (M)
	64 N-Propylbenzene	91	18.387	18.387	(0.928)	103304	5.00000	5.07720

001863

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
65 2-Chlorotoluene	91	18.560	18.560	(0.937)	61823	5.00000	5.16884
66 4-Chlorotoluene	91	18.718	18.718	(0.945)	69409	5.00000	5.52205
67 1,3,5-Trimethylbenzene	105	18.639	18.646	(0.941)	70447	5.00000	4.94666
68 T-Butylbenzene	119	19.171	19.163	(0.968)	54939	5.00000	4.54936 (M)
69 1,2,4-Trimethylbenzene	105	19.235	19.235	(0.971)	72980	5.00000	5.09584
70 Sec-Butylbenzene	105	19.508	19.501	(0.985)	86881	5.00000	4.86195
71 1,3-Dichlorobenzene	146	19.717	19.717	(0.995)	39333	5.00000	4.91391
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.810	(1.000)	243090	50.0000	
73 P-Isopropyltoluene	119	19.710	19.710	(0.995)	69698	5.00000	4.55826
74 1,4-Dichlorobenzene	146	19.846	19.853	(1.002)	41238	5.00000	5.16225
75 1,2-Dichlorobenzene	146	20.436	20.435	(1.032)	36363	5.00000	4.99698
76 N-Butylbenzene	91	20.342	20.342	(1.027)	75311	5.00000	4.97380
77 1,2-Dibromo-3-chloropropane	75	21.643	21.635	(1.093)	3450	5.00000	5.29067
78 1,2,4-Trichlorobenzene	180	23.130	23.130	(1.168)	20696	5.00000	3.99958
79 Hexachlorobutadiene	225	23.439	23.432	(1.183)	12817	5.00000	4.41791 (M)
80 Napthalene	128	23.641	23.640	(1.193)	49027	5.00000	4.30993
81 1,2,3-Trichlorobenzene	180	24.158	24.151	(1.219)	20236	5.00000	4.26372

(2) 5/03/11/2/02

(1)

QC Flag Legend

M - Compound response manually integrated.

(1) - peak not found
(2) - poor chromatography

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71102.b\V7468.D
Lab Smp Id: VSTD005
Inj Date : 02-NOV-2000 15:26
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD005;Barmbys;1;;1;;1
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71102.b\8260S.m
Meth Date : 02-Nov-2000 15:51 auto Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
1 Dichlorodifluoromethane	85.00	Compound Not Detected.					
2 Chloromethane (**)	50	3.821	3.820	(0.330)	21705	5.00000	6.38823
3 Vinyl Chloride (*)	62	4.015	4.014	(0.347)	23055	5.00000	6.63662
4 Bromomethane	94	4.604	4.597	(0.398)	14598	5.00000	6.69068
5 Chloroethane	64.00	Compound Not Detected.					
6 Trichlorofluoromethane	101	5.243	5.236	(0.454)	41139	5.00000	7.46831
8 1,1-Dichloroethene(*)	96	6.250	6.242	(0.541)	19733	5.00000	6.54662
9 Trichlorotrifluoroethane	101	6.228	6.221	(0.539)	17669	5.00000	6.76282
10 Acetone	43.00	Compound Not Detected.					
11 Carbon disulfide	76	6.731	6.731	(0.582)	46170	5.00000	6.40530
12 Methylene Chloride	84	7.155	7.155	(0.619)	22596	5.00000	7.48963
13 Hexane	57.00	Compound Not Detected.					
14 trans-1,2-Dichloroethene	96	7.687	7.687	(0.665)	20498	5.00000	6.12352
M 131 1,2-Dichloroethane (Total)	96				36971	5.00000	10.7948
15 Methyl-t-butyl-ether	73	7.672	7.672	(0.664)	43078	5.00000	6.71122

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
17 1,1-Dichloroethane (**)	63	8.456	8.448	(0.731)	35737	5.00000	5.61317
18 Vinyl acetate	43	8.499	8.499	(0.735)	11270	5.00000	11.5048
20 2,2-Dichloropropane	77	9.491	9.490	(0.821)	29970	5.00000	5.45260
21 cis 1,2-Dichloroethene	96	9.483	9.483	(0.820)	16473	5.00000	4.67128
22 2-Butanone	43.00	Compound Not Detected.					
23 Bromochloromethane	128.00	Compound Not Detected.					
24 Chloroform (*)	83	10.008	10.008	(0.866)	37005	5.00000	5.72327
25 1,1,1-Trichloroethane	97	10.367	10.367	(0.897)	33037	5.00000	5.71169
27 Carbon Tetrachloride	117	10.662	10.662	(0.922)	27778	5.00000	5.83172
28 1,1-Dichloropropene	75.00	Compound Not Detected.					
$ 29 1,2-Dichloroethane-d4	65.00	Compound Not Detected.					
30 Benzene	78	10.993	10.992	(0.951)	68779	5.00000	5.03476
31 1,2-Dichloroethane	62	10.993	10.992	(0.951)	29301	5.00000	6.20502
* 32 1,4-Difluorobenzene	114	11.560	11.560	(1.000)	574332	50.0000	
33 Trichloroethene	95	12.027	12.027	(1.040)	20075	5.00000	4.98043
34 1,2-Dichloropropane(*)	63	12.380	12.379	(1.071)	15841	5.00000	4.98878
35 1,4-Dioxane	88	12.588	12.581	(1.089)	1882	5.00000	74.2931
36 Dibromomethane	93.00	Compound Not Detected.					
37 Bromodichloromethane	83	12.804	12.803	(1.108)	24226	5.00000	5.33426
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (Xtr)	75	13.501	13.500	(1.168)	21650	5.00000	4.15012
40 4-Methyl-2-pentanone	43.00	Compound Not Detected.					
$ 41 Toluene-d8	98	13.946	13.946	(1.206)	53671	5.00000	4.44198
42 Toluene (*)	92	14.054	14.054	(1.216)	41495	5.00000	4.66158
43 trans-1,3-Dichloropropene(Xt)	75	14.349	14.348	(1.241)	21442	5.00000	4.57669
44 1,1,2-Trichloroethane	97	14.658	14.650	(1.268)	12748	5.00000	4.86134
45 Tetrachloroethene	166	14.938	14.931	(0.921)	16777	5.00000	4.25266
46 1,3-Dichloropropane	76	14.924	14.923	(0.920)	22607	5.00000	4.76158
47 2-Hexanone	43.00	Compound Not Detected.					
48 Dibromochloromethane	129	15.297	15.297	(0.943)	14289	5.00000	4.76352
49 1,2-Dibromoethane	107	15.506	15.505	(0.956)	12197	5.00000	4.54286
* 50 Chlorobenzene-d5	117	16.217	16.210	(1.000)	464436	50.0000	
51 Chlorobenzene (**)	112	16.260	16.260	(1.003)	49183	5.00000	5.00476
52 1-Chlorohexane	91	16.160	16.159	(0.996)	16839	5.00000	3.80494
53 1,1,1,2-Tetrachloroethane	131	16.361	16.361	(1.009)	15953	5.00000	4.87983
54 Ethylbenzene (*)	106	16.397	16.397	(1.011)	24931	5.00000	4.55007
M 132 Xylenes (Total)	106				89635	15.0000	13.5357
55 Xylenes (m,p)	106	16.576	16.576	(1.022)	61804	10.0000	9.20247
56 Xylene (o)	106	17.202	17.201	(1.061)	27831	5.00000	4.33322
57 Styrene	104	17.216	17.209	(1.062)	45914	5.00000	4.34722
58 Bromoform (**)	173.00	Compound Not Detected.					
59 Isopropylbenzene	105	17.755	17.755	(1.095)	70666	5.00000	4.29626
$ 60 4-Bromofluorobenzene	95	18.014	18.014	(1.111)	20297	5.00000	4.48317
61 Bromobenzene	156	18.287	18.279	(0.923)	17484	5.00000	4.46240
62 1,1,2,2-Tetrachloroethane(**)	83	18.179	18.179	(0.918)	15317	5.00000	5.22743
63 1,2,3-Trichloropropane	75.00	Compound Not Detected.					
64 N-Propylbenzene	91	18.387	18.387	(0.928)	103304	5.00000	5.07720

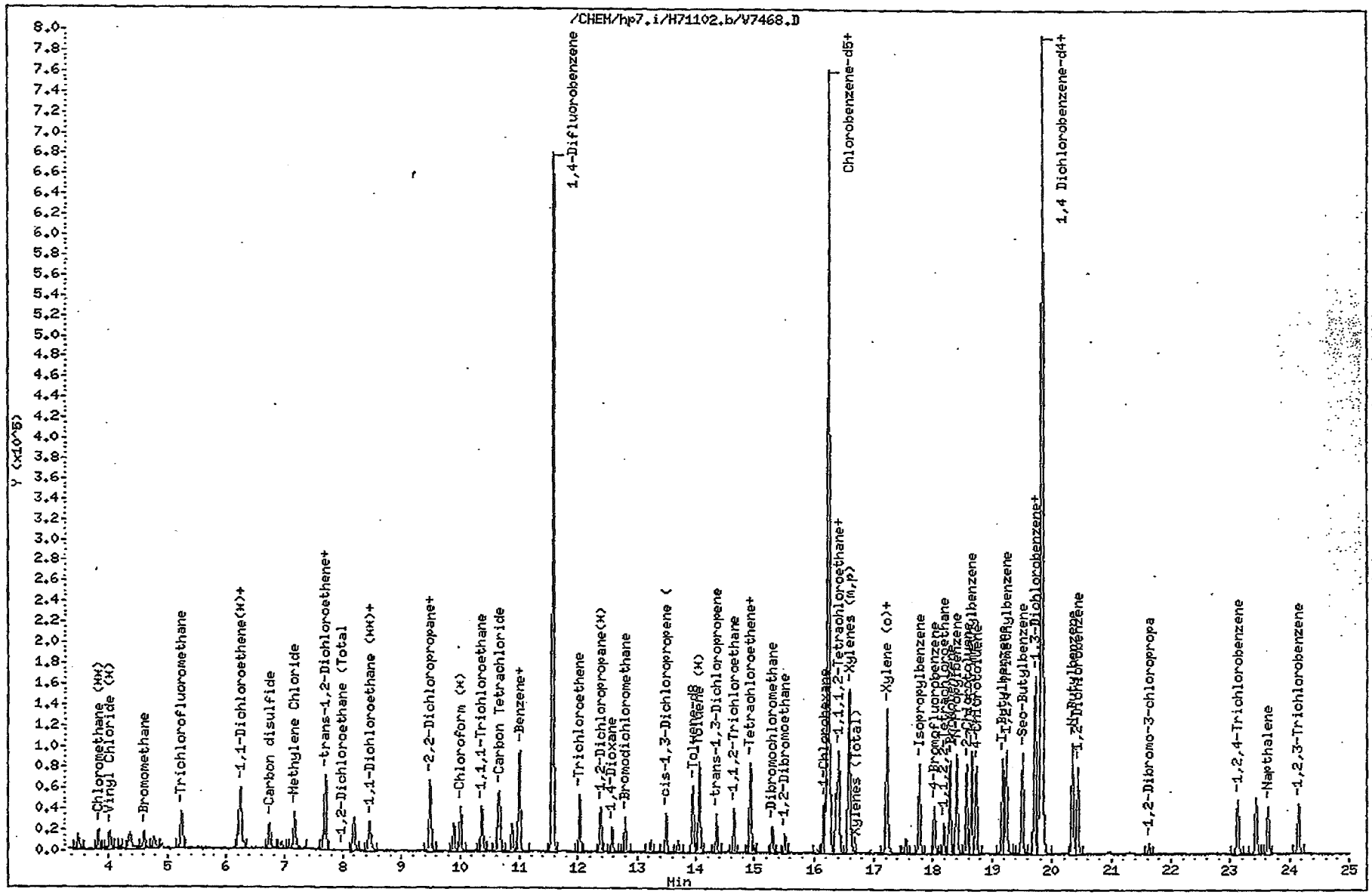
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
65 2-Chlorotoluene	91	18.560	18.560	(0.937)	61823	5.00000	5.16884
66 4-Chlorotoluene	91	18.718	18.718	(0.945)	69409	5.00000	5.52205
67 1,3,5-Trimethylbenzene	105	18.639	18.646	(0.941)	70447	5.00000	4.94666
68 T-Butylbenzene	119	19.171	19.163	(0.968)	62271	5.00000	5.15650
69 1,2,4-Trimethylbenzene	105	19.235	19.235	(0.971)	72980	5.00000	5.09584
70 Sec-Butylbenzene	105	19.508	19.501	(0.985)	86881	5.00000	4.86195
71 1,3-Dichlorobenzene	146	19.717	19.717	(0.995)	39333	5.00000	4.91391
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.810	(1.000)	243090	50.0000	
73 P-Isopropyltoluene	119	19.710	19.710	(0.995)	69698	5.00000	4.55826
74 1,4-Dichlorobenzene	146	19.846	19.853	(1.002)	41238	5.00000	5.16225
75 1,2-Dichlorobenzene	146	20.436	20.435	(1.032)	36363	5.00000	4.99698
76 N-Butylbenzene	91	20.342	20.342	(1.027)	75311	5.00000	4.97380
77 1,2-Dibromo-3-chloropropane	75	21.643	21.635	(1.093)	3450	5.00000	5.29067
78 1,2,4-Trichlorobenzene	180	23.130	23.130	(1.168)	20696	5.00000	3.99958
79 Hexachlorobutadiene	225.00	Compound Not Detected.					
80 Napthalene	128	23.641	23.640	(1.193)	49027	5.00000	4.30993
81 1,2,3-Trichlorobenzene	180	24.158	24.151	(1.219)	20236	5.00000	4.26372

Data File: /CHEM/hp7.i/H71102.b/V7468.D
Date : 02-NOV-2000 15:26
Client ID:
Sample Info: VSTD005;Barmbys;1;;1;;1

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53

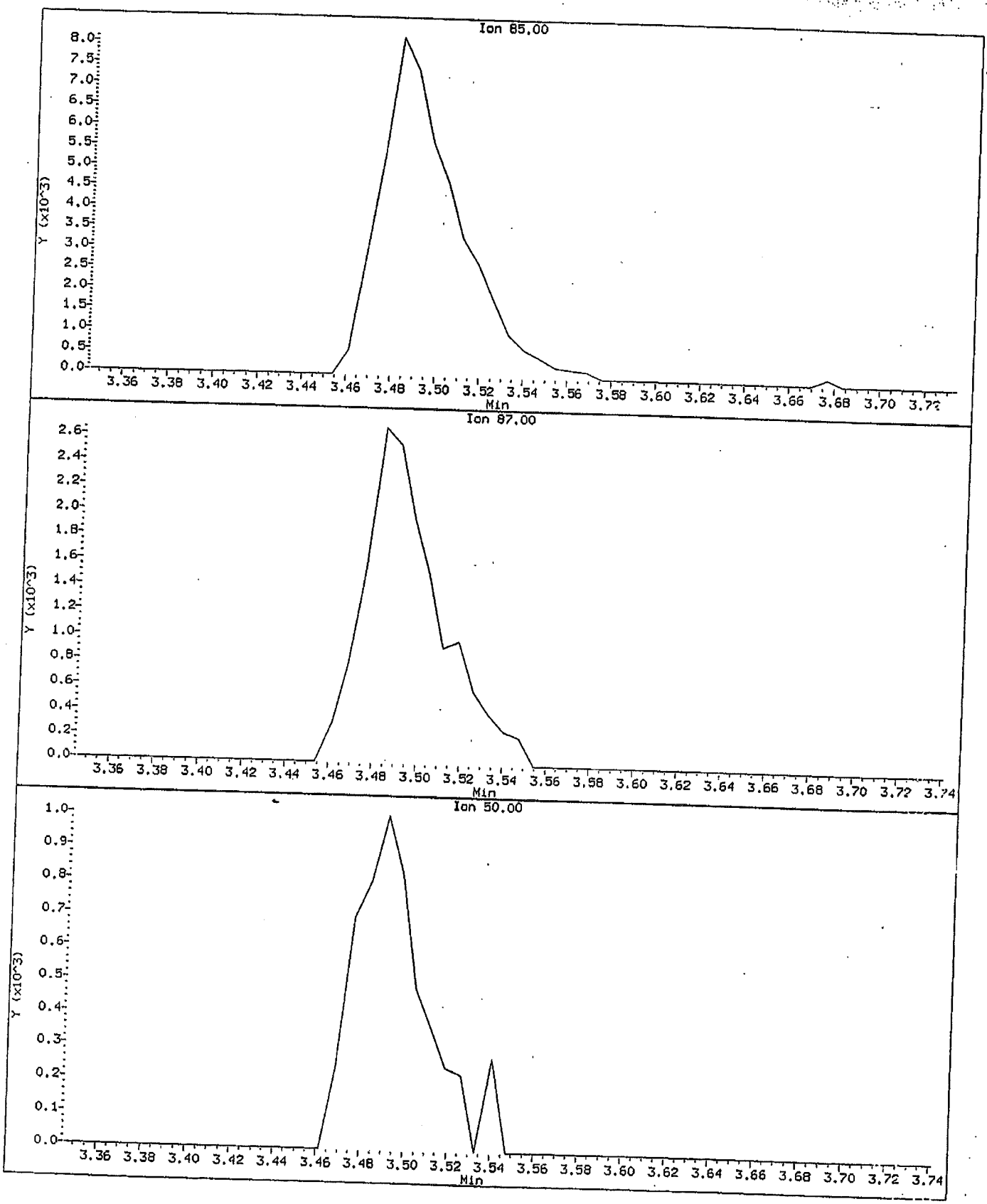


001868

BOE-C6-0175406

Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

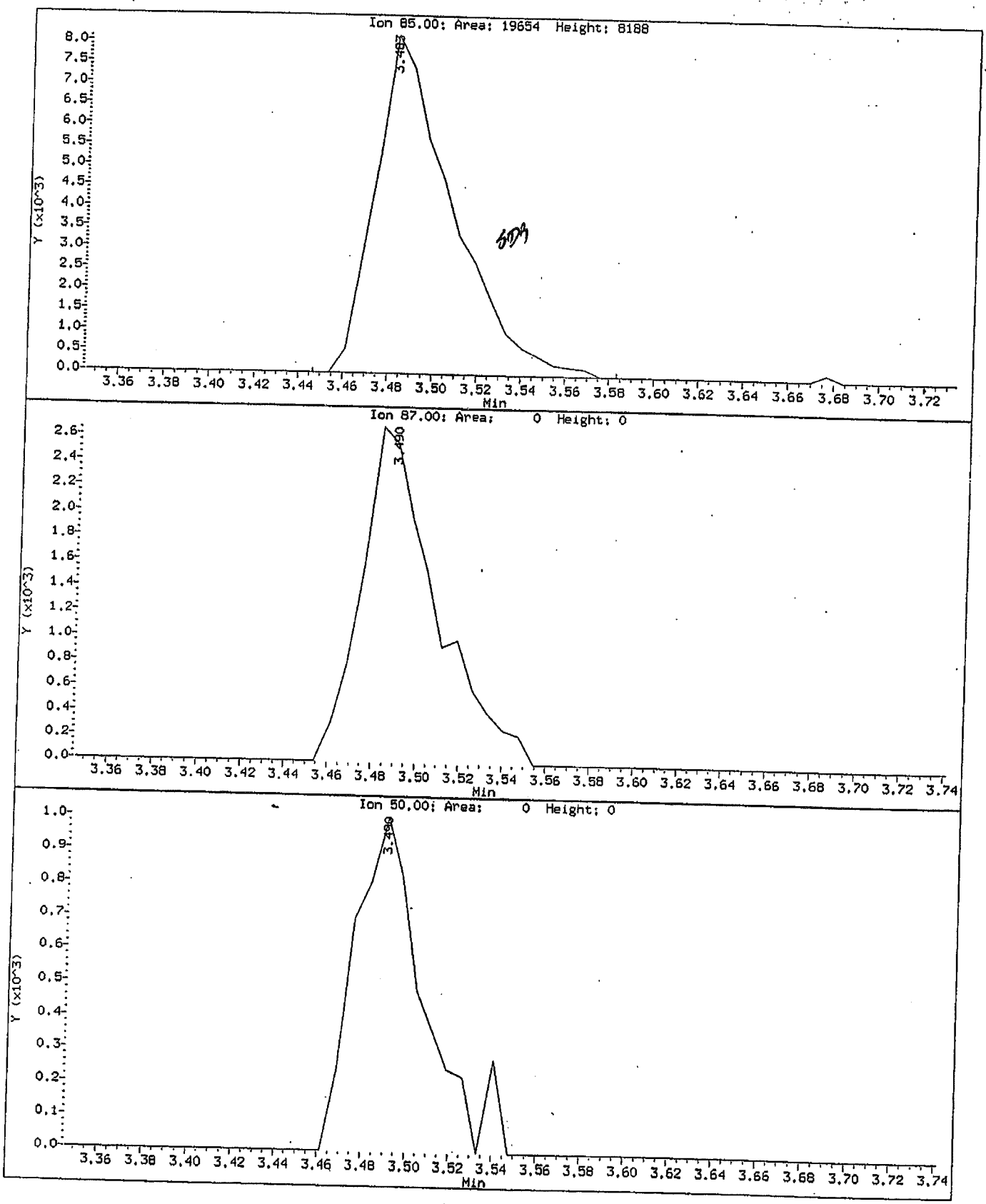
Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



001869

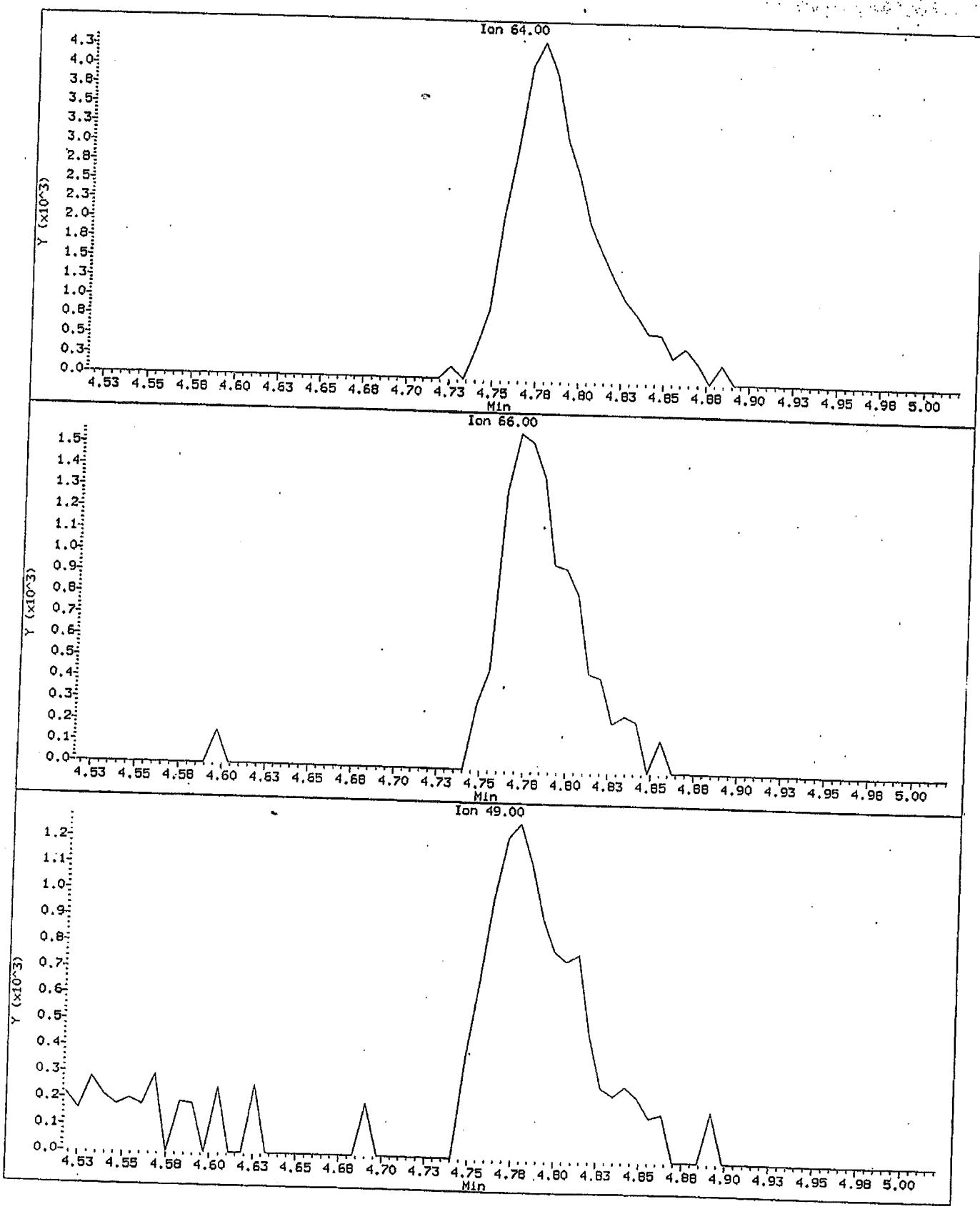
Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

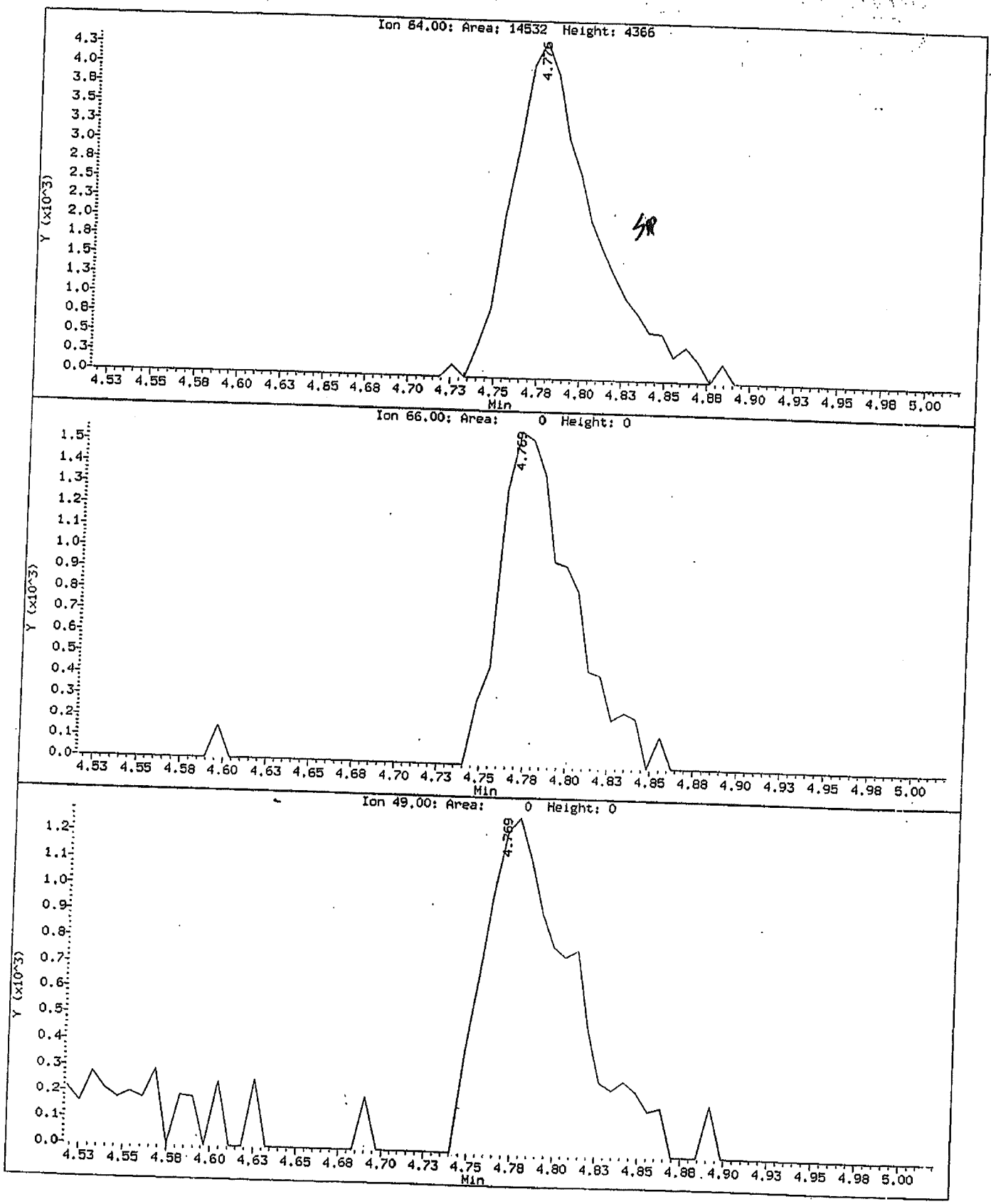
Compound: Chloroethane
CAS Number: 75-00-3



001871

Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

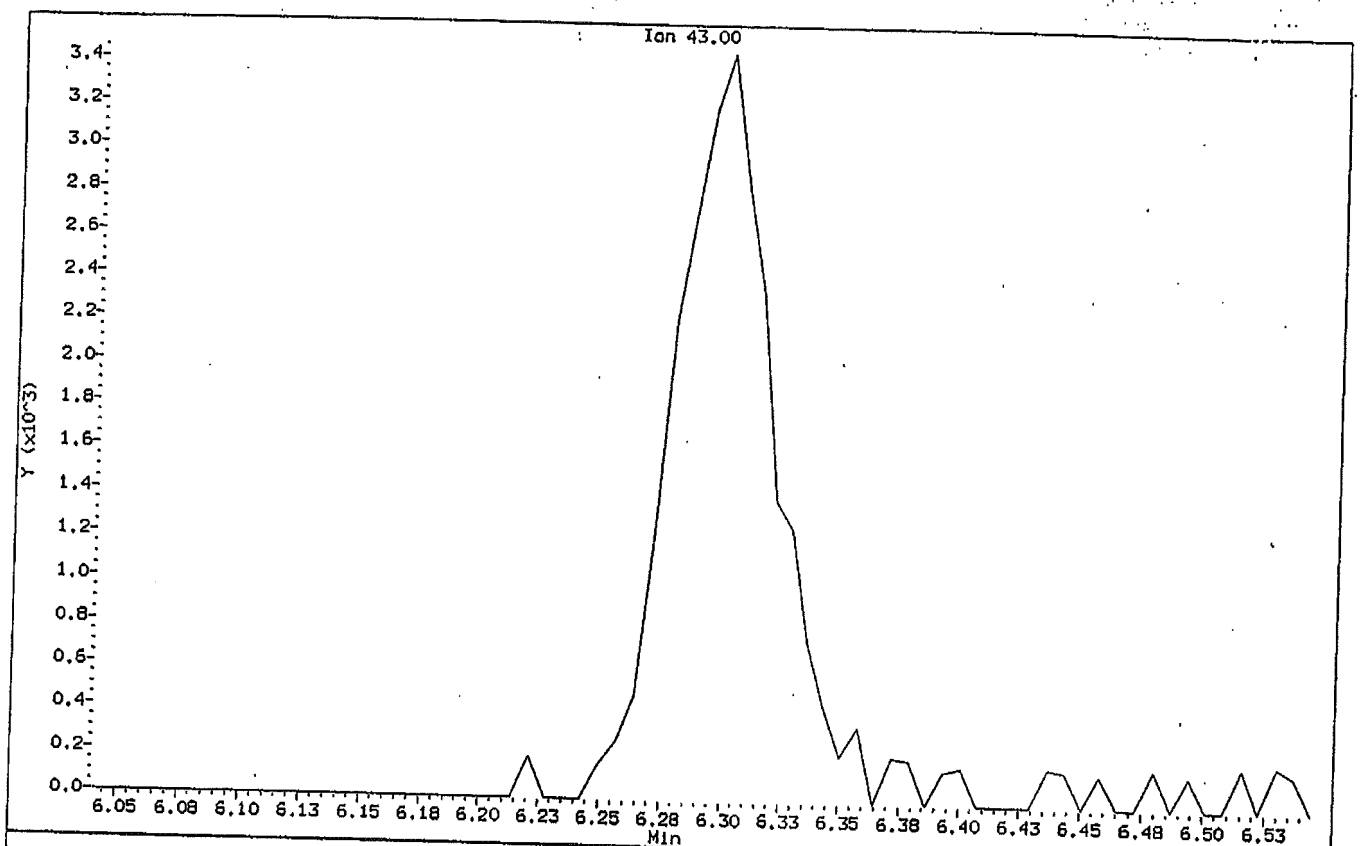
Compound: Chloroethane
CAS Number: 75-00-3

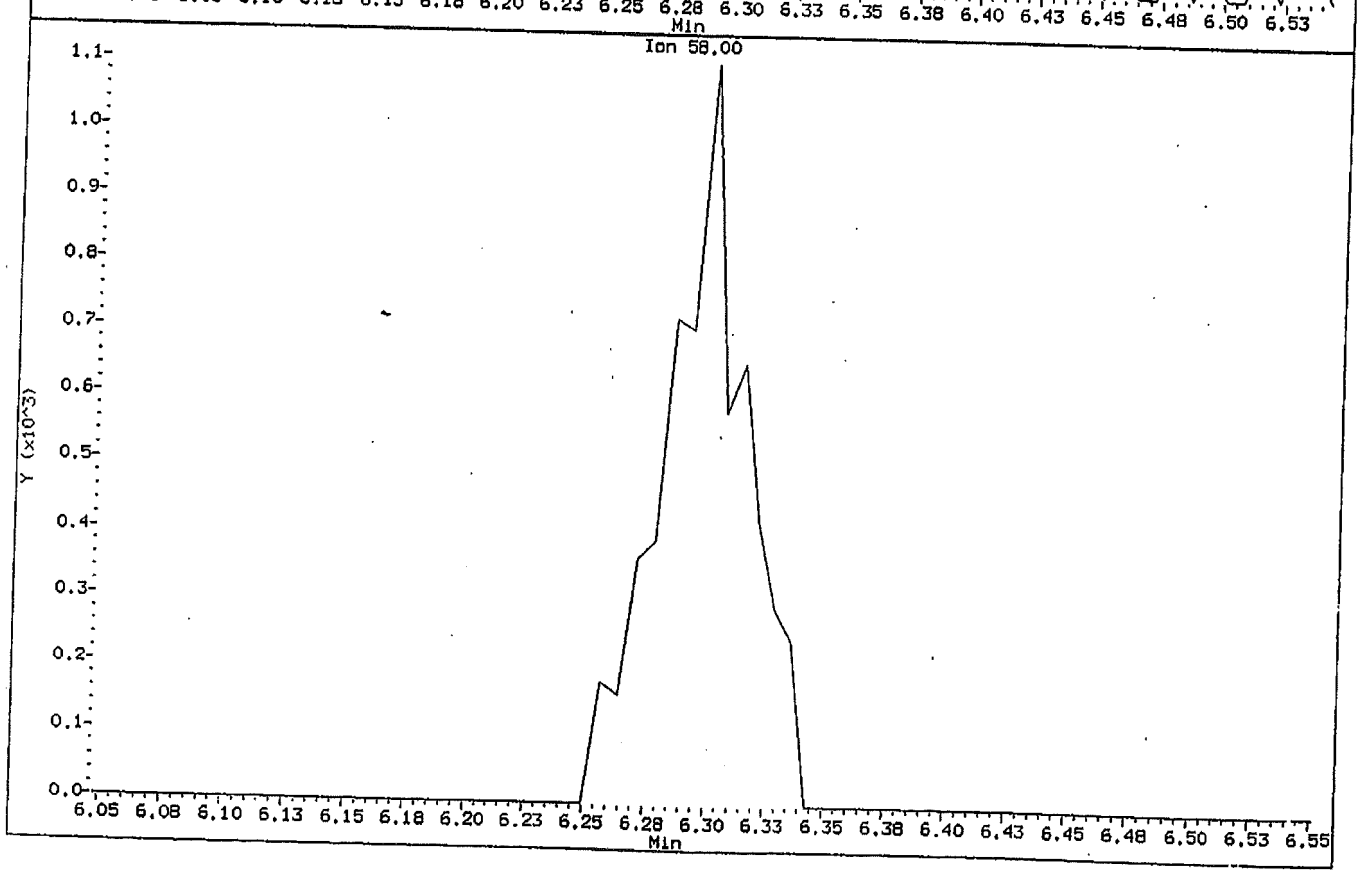


001872

Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

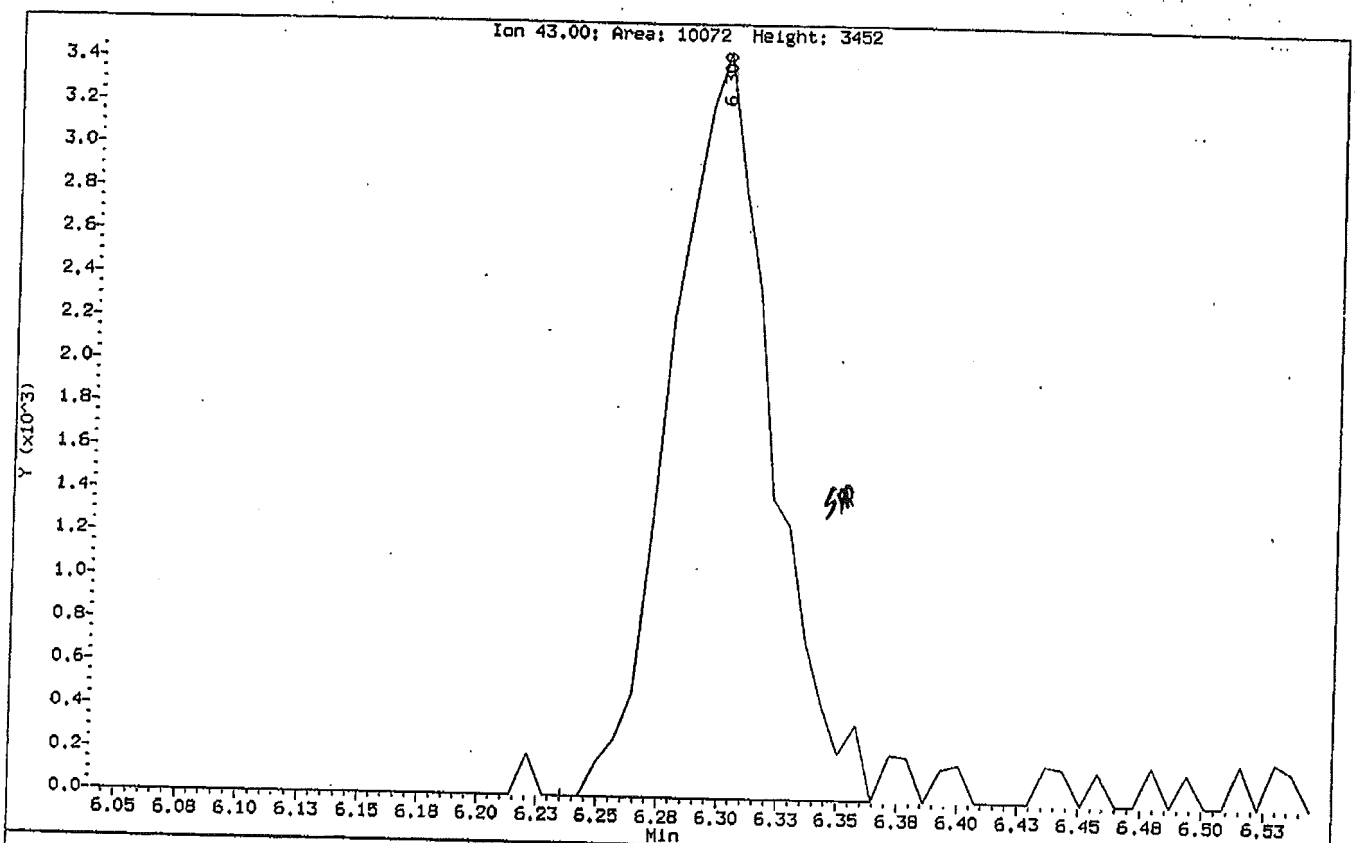
Compound: Acetone
CAS Number: 67-64-1

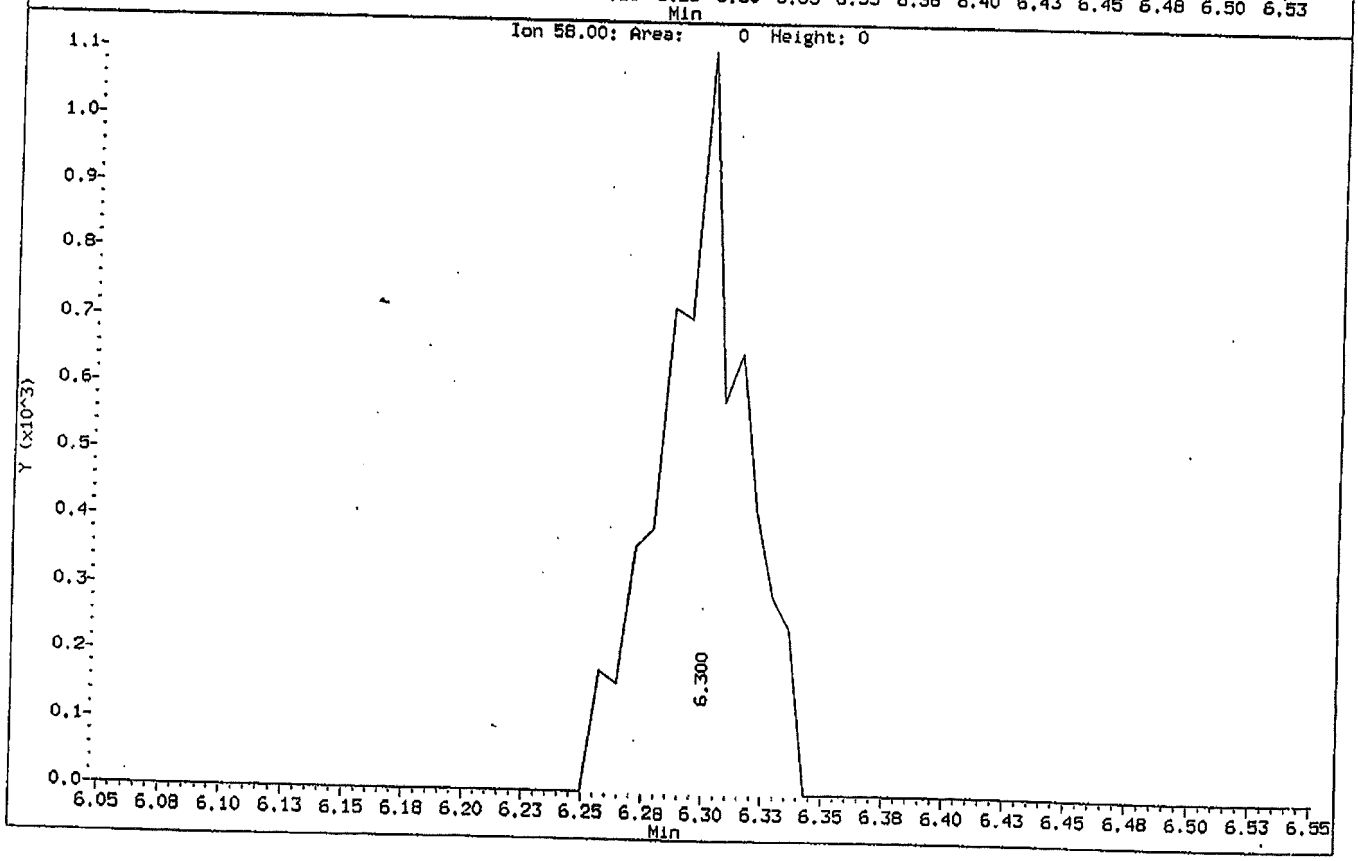




Data File: /chem/hp7.1/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.1
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1

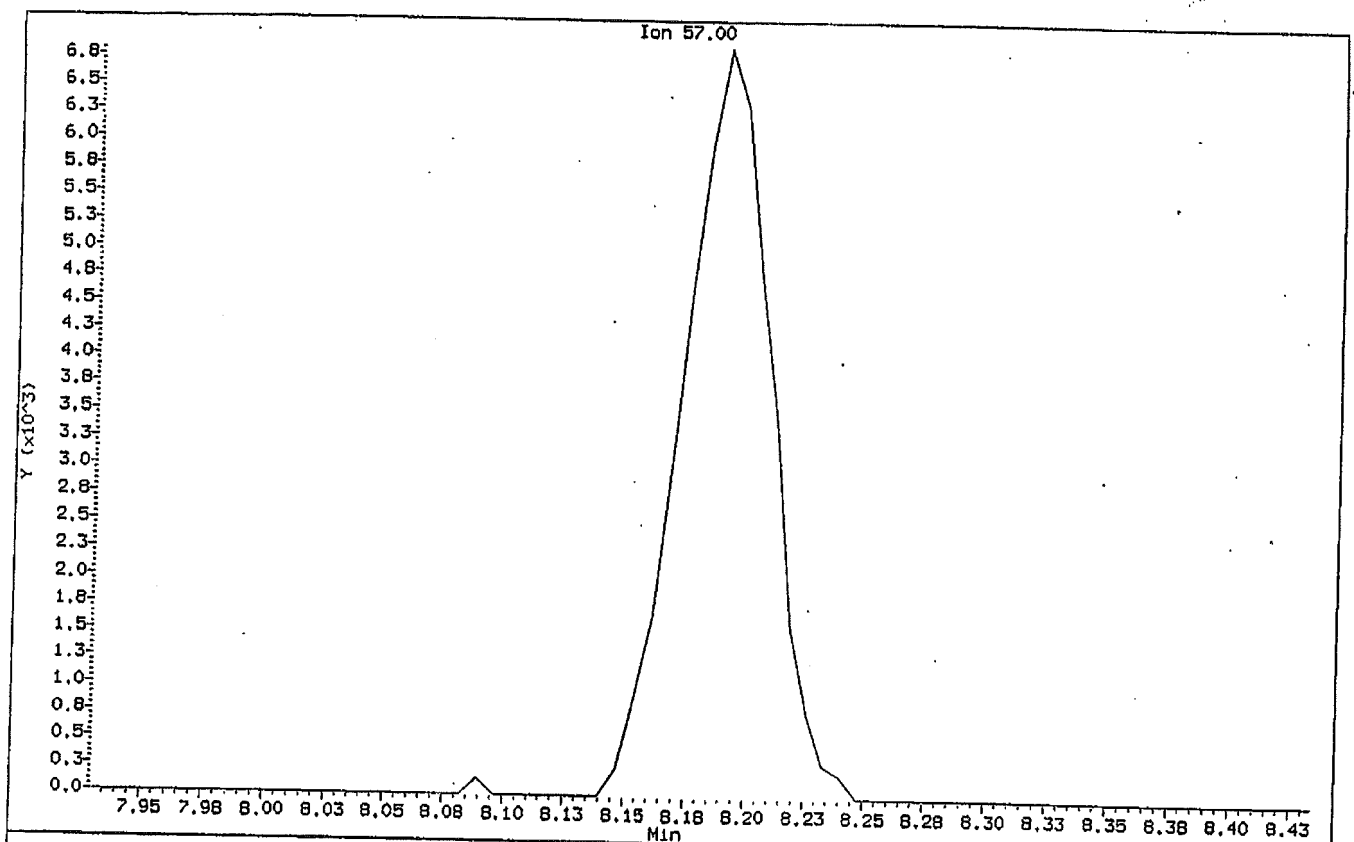


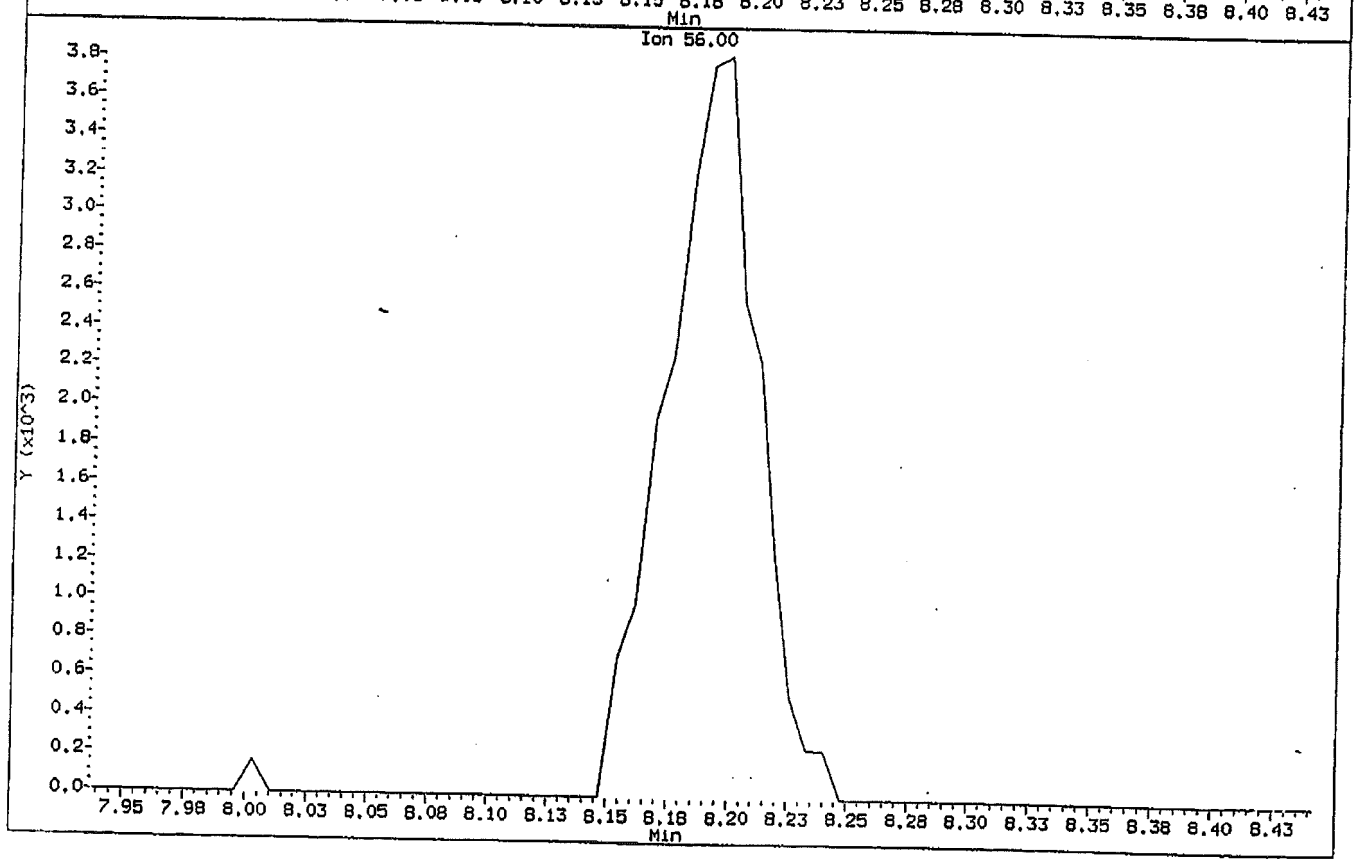


001874

Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

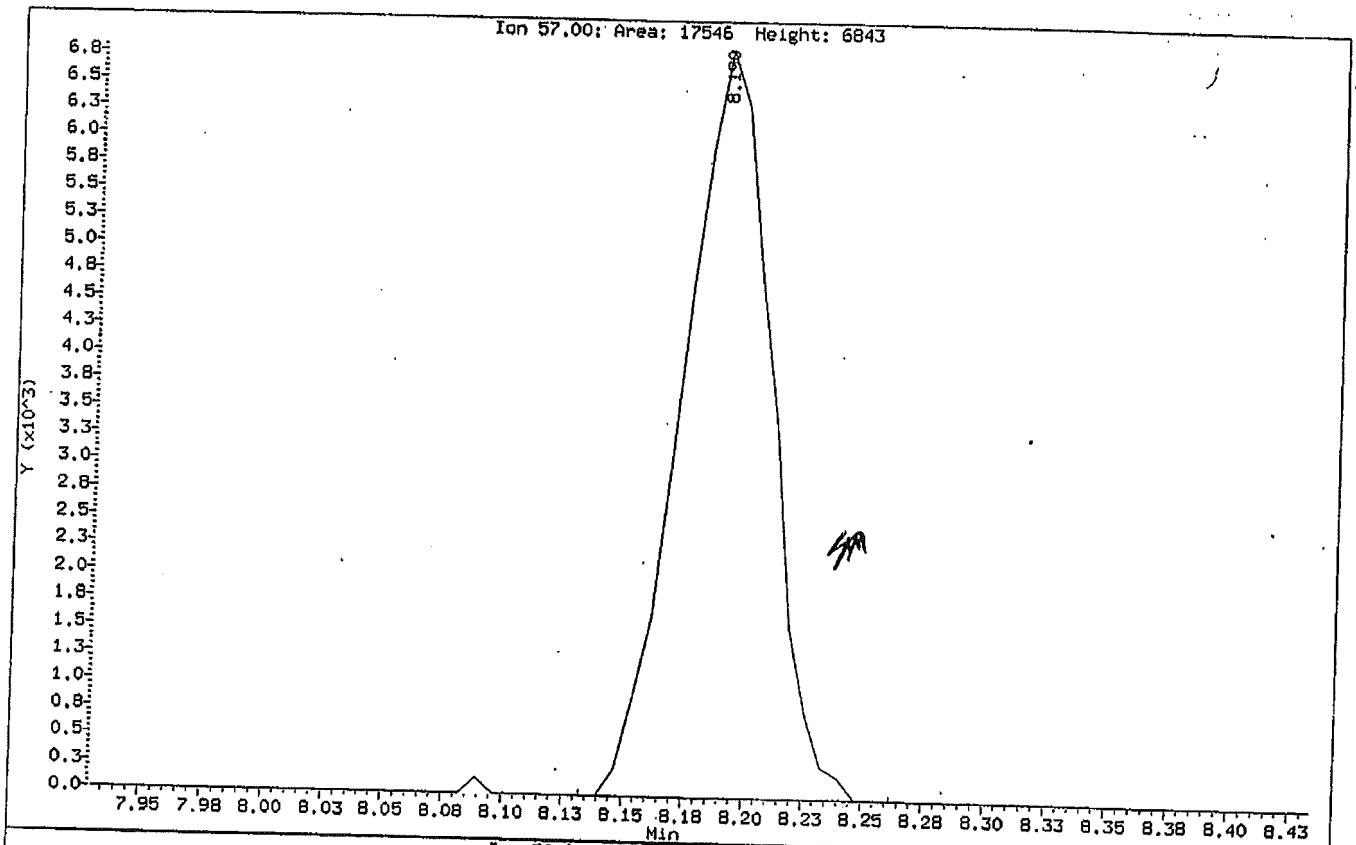
Compound: Hexane
CAS Number: 110-54-3

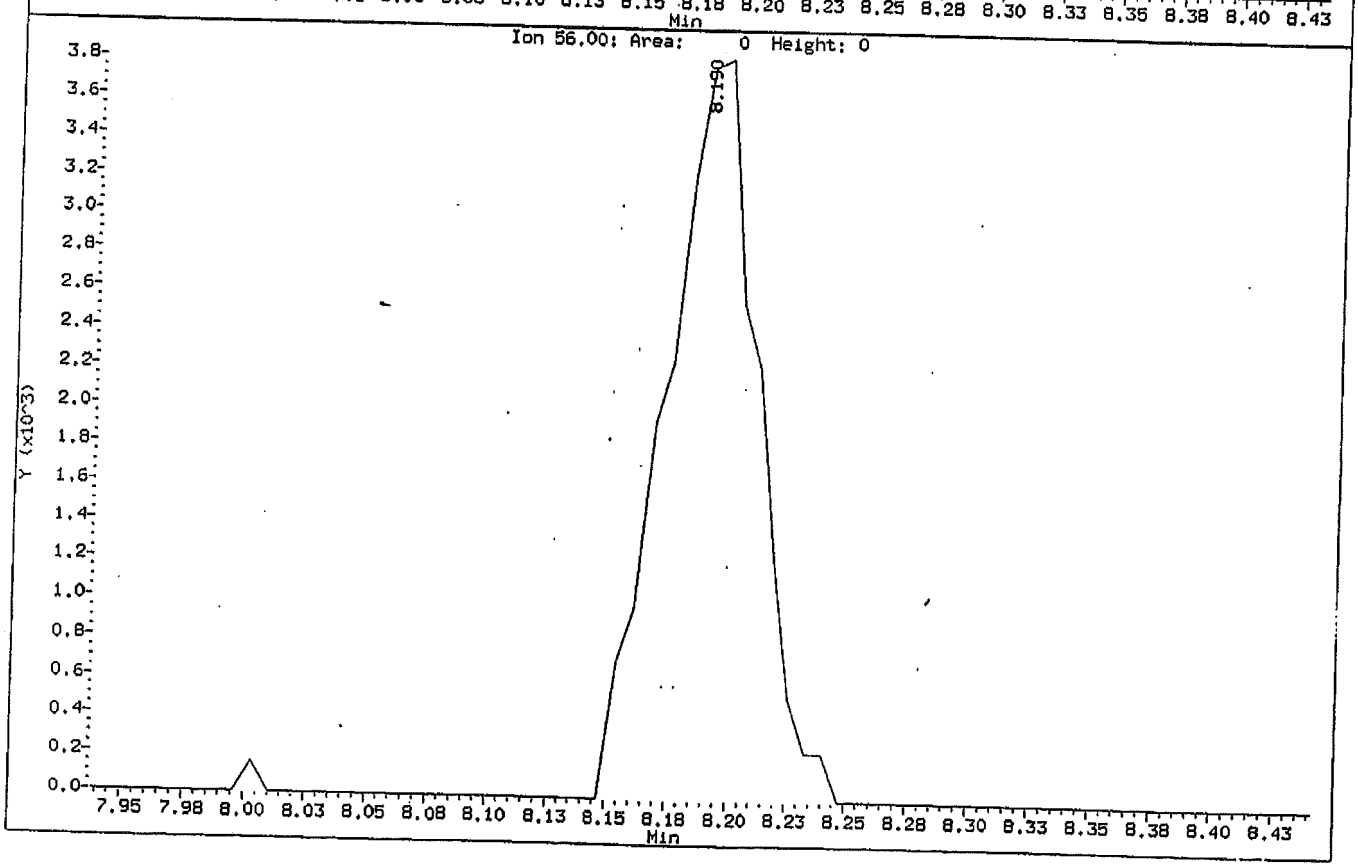




Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: Hexane
CAS Number: 110-54-3

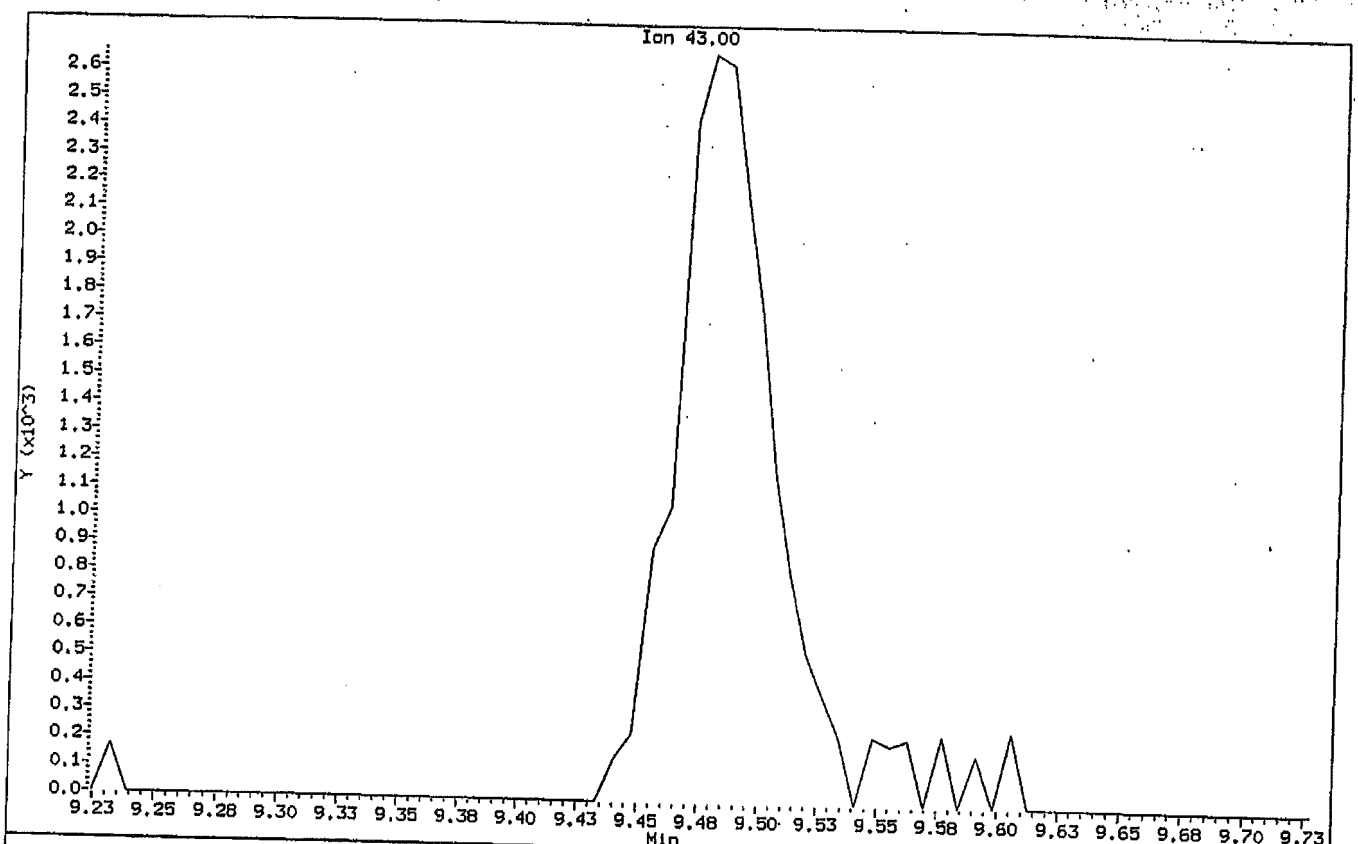


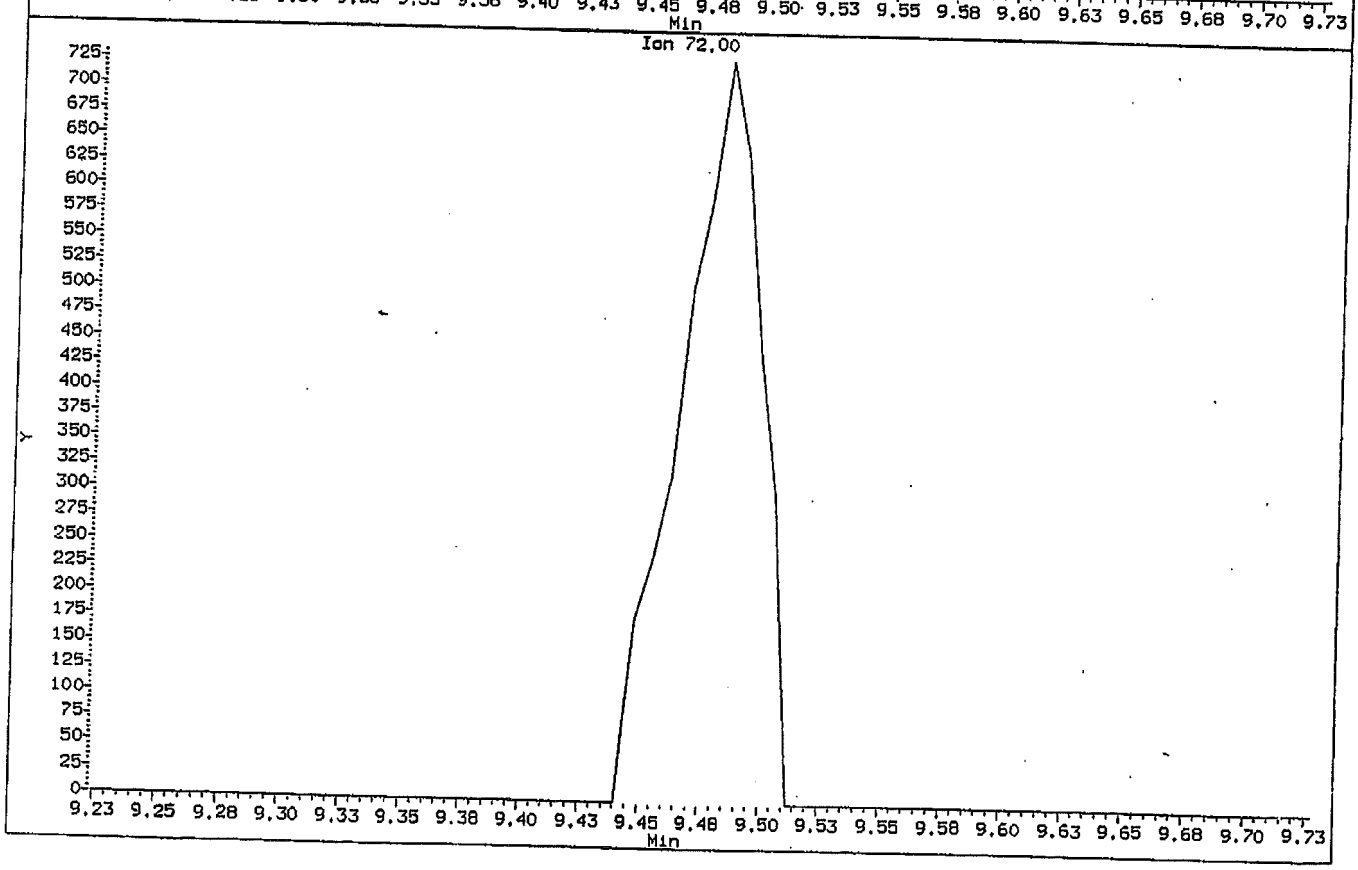


001876

Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

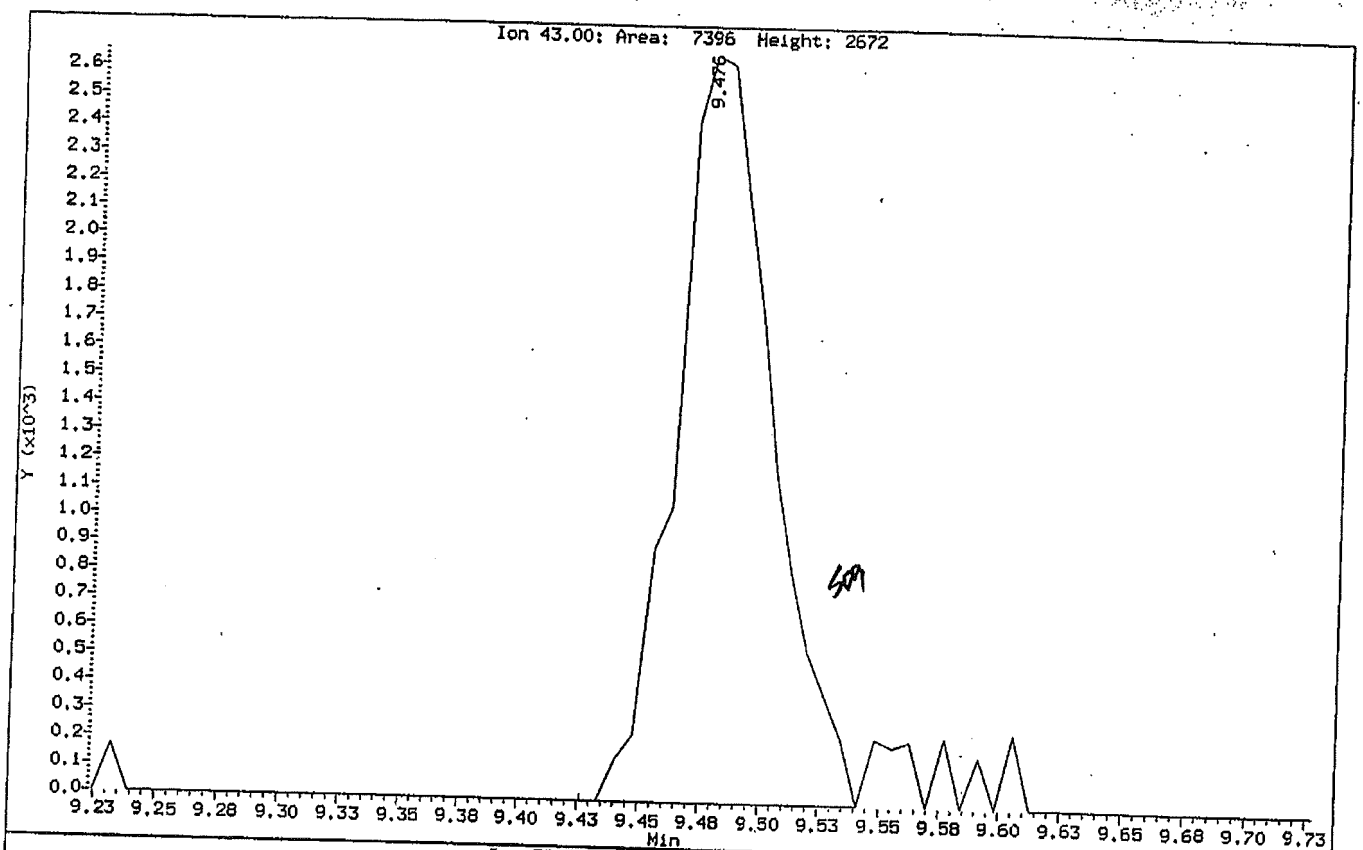
Compound: 2-Butanone
CAS Number: 78-93-3

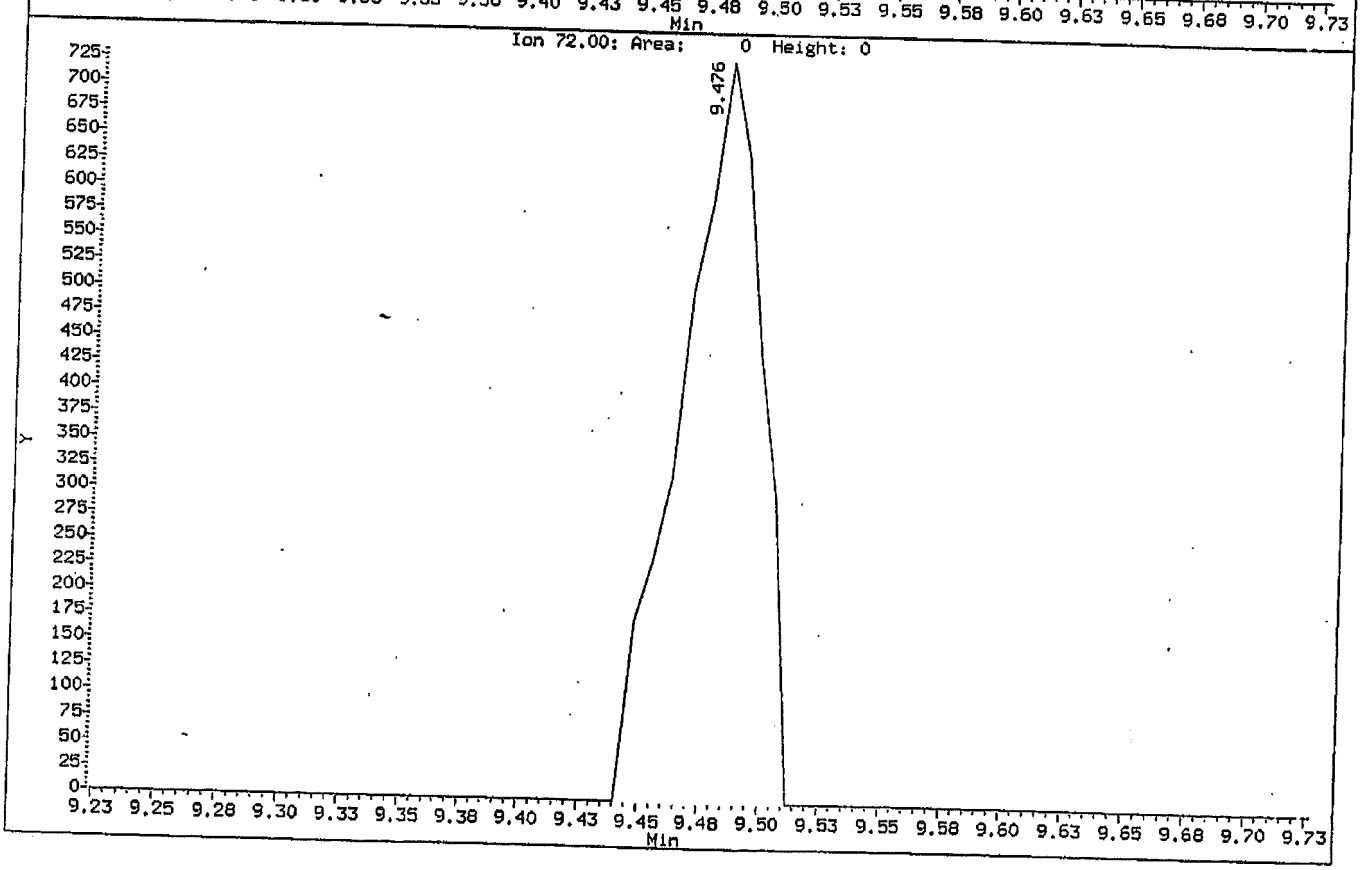




Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

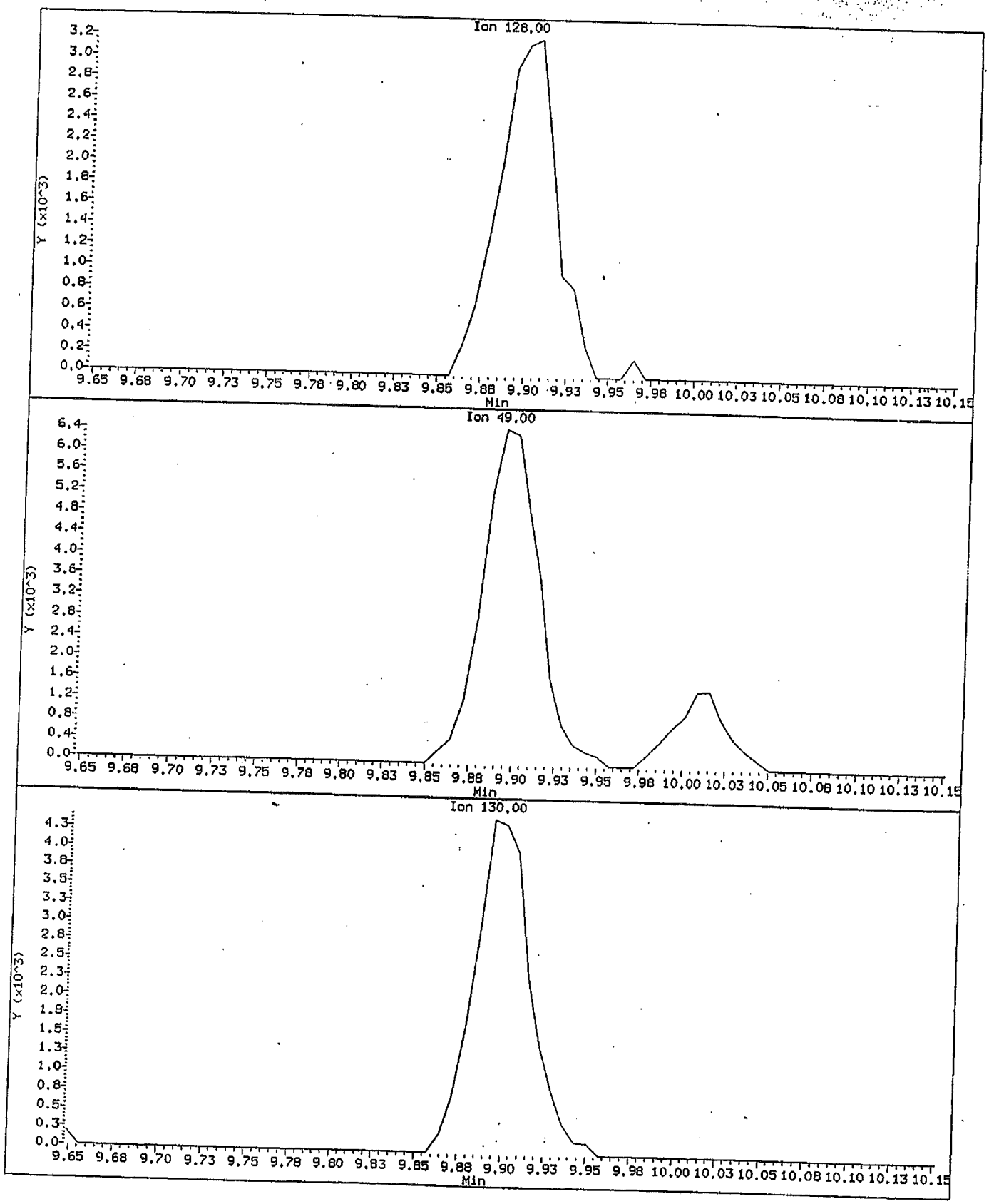
Compound: 2-Butanone
CAS Number: 78-93-3





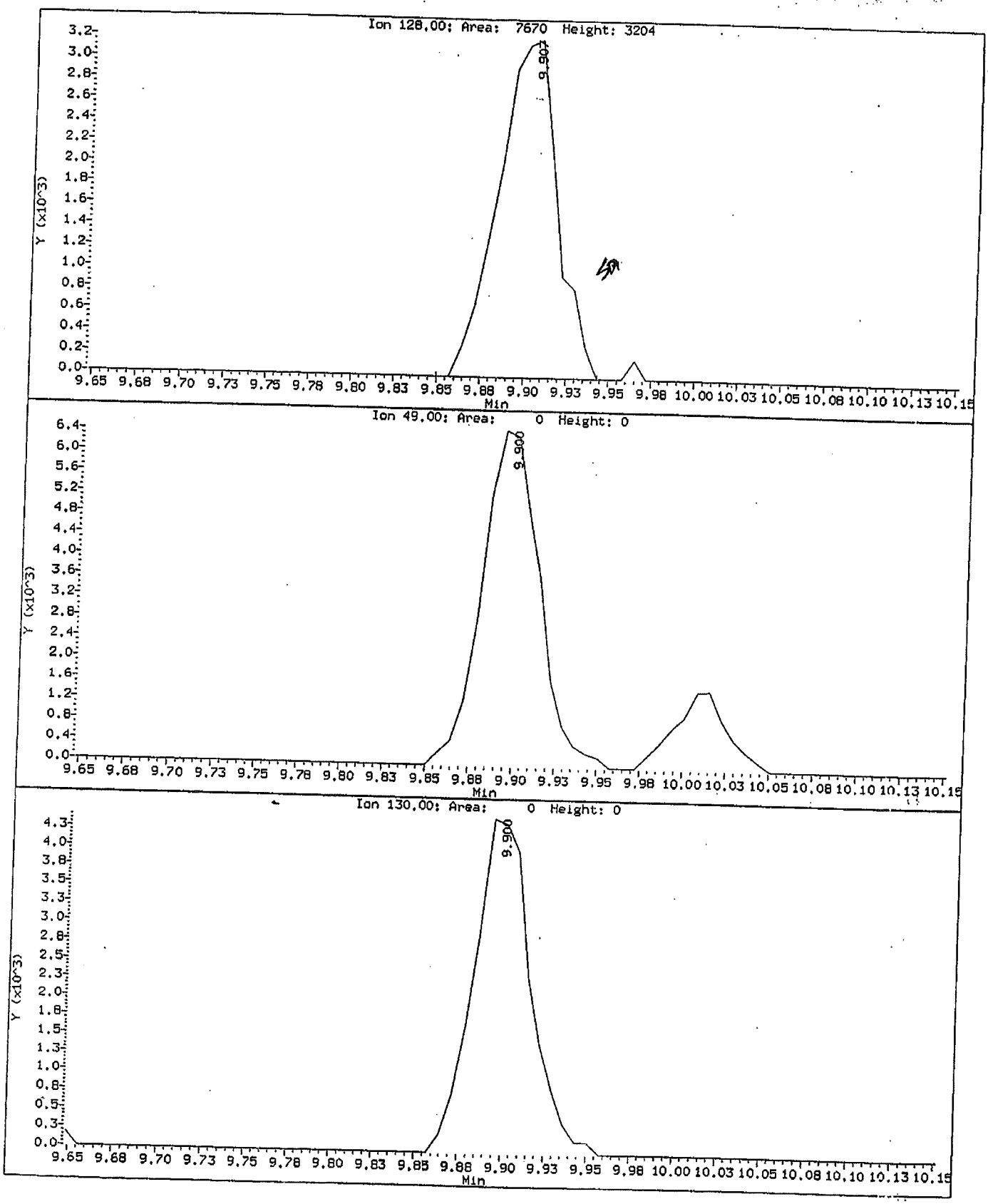
Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: Bromochloromethane
CAS Number: 74-97-5



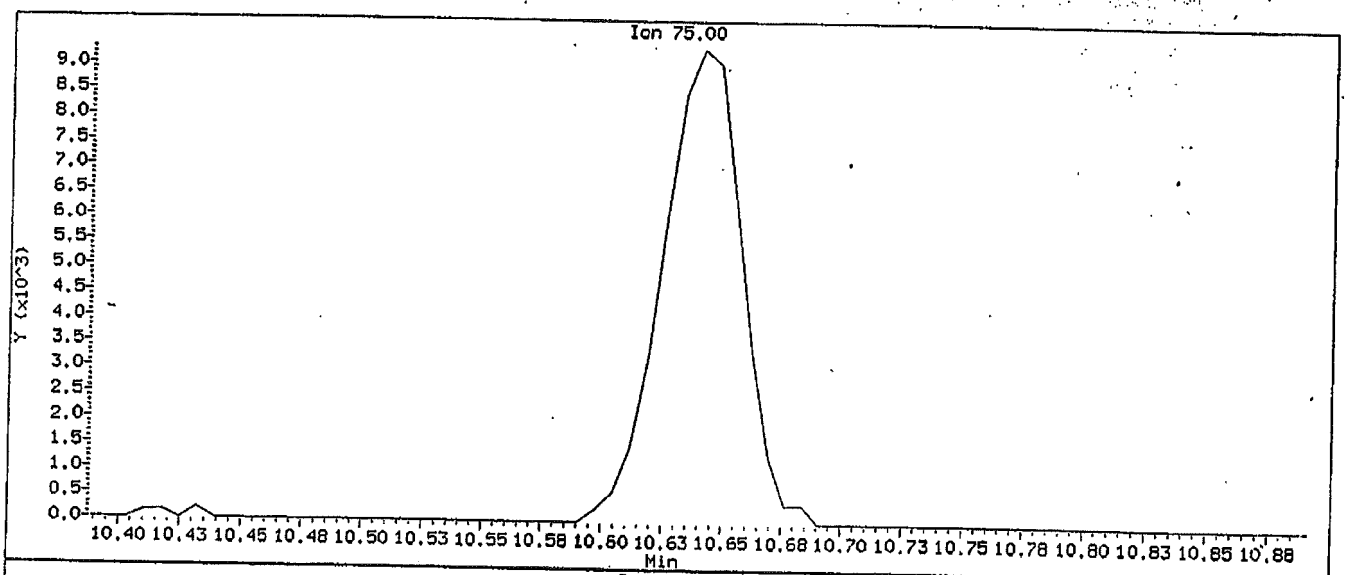
Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

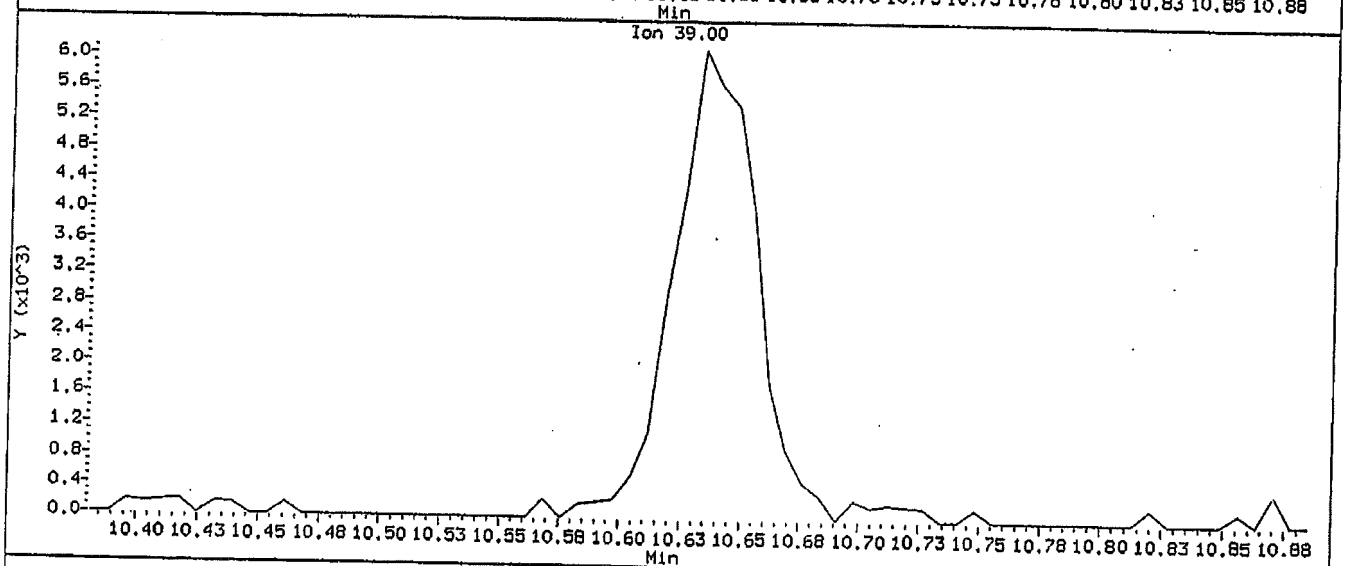
Compound: Bromochloromethane
CAS Number: 74-97-5

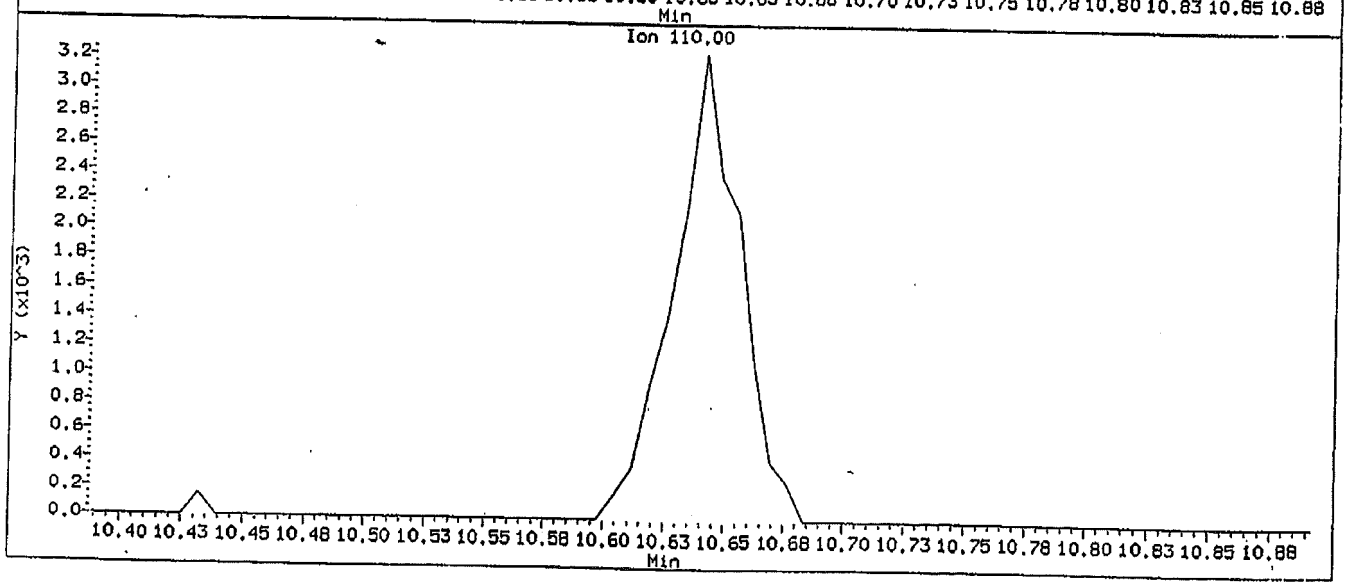


Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: 1,1-Dichloropropene
CAS Number: 563-58-6

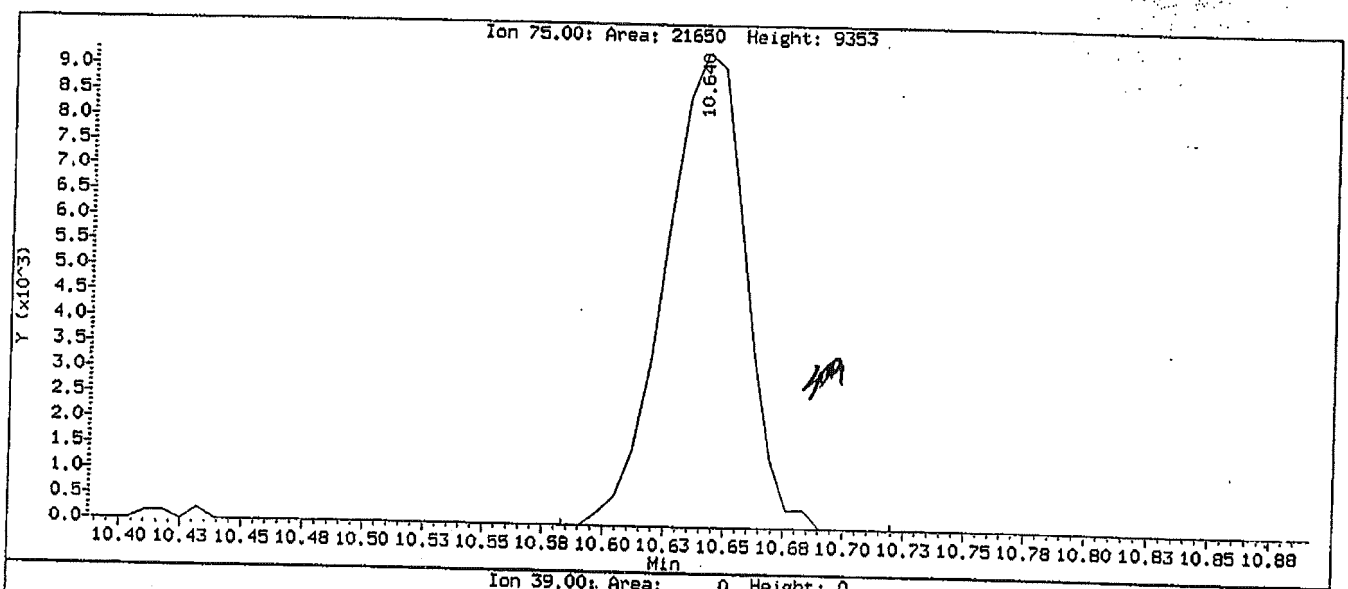


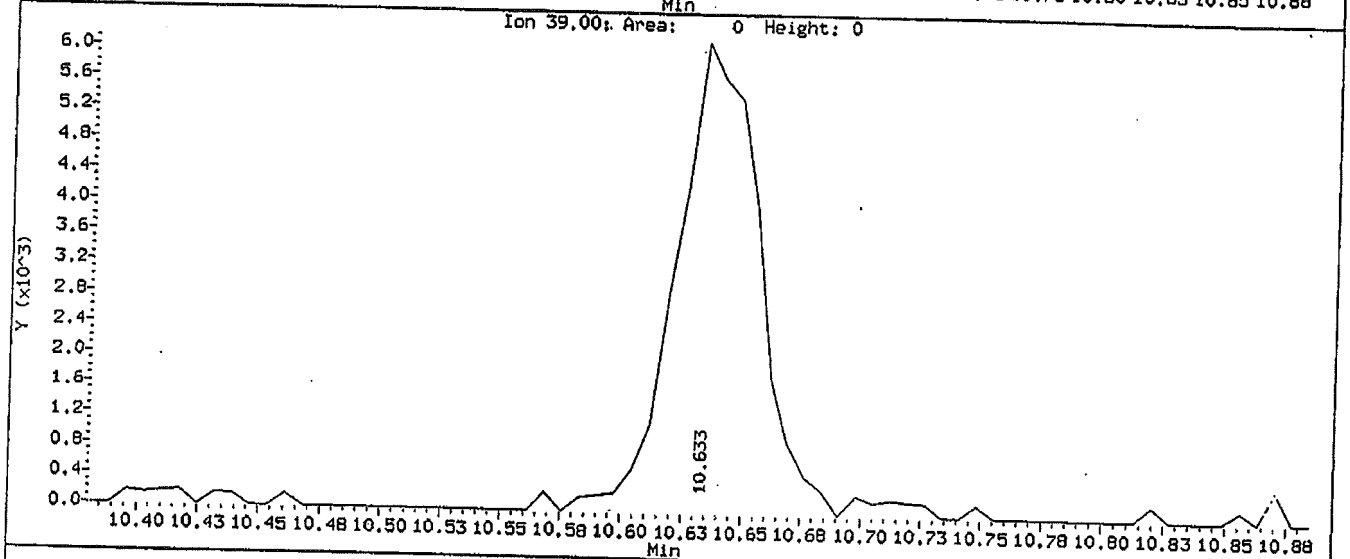


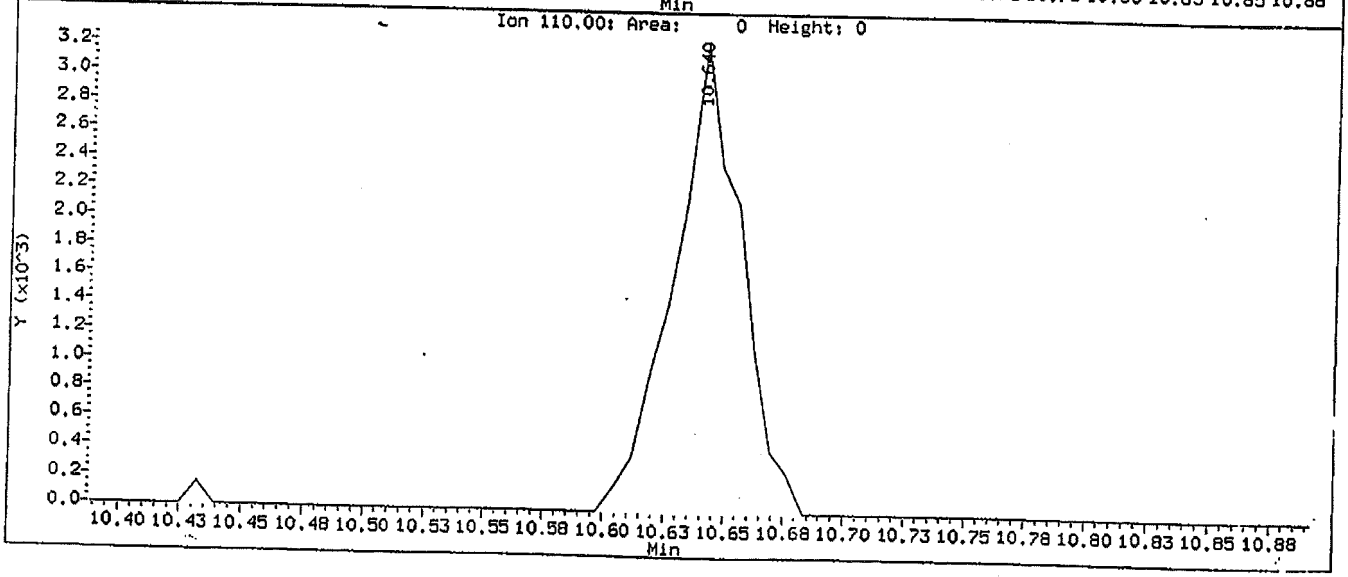


Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: 1,1-Dichloropropene
CAS Number: 563-58-6

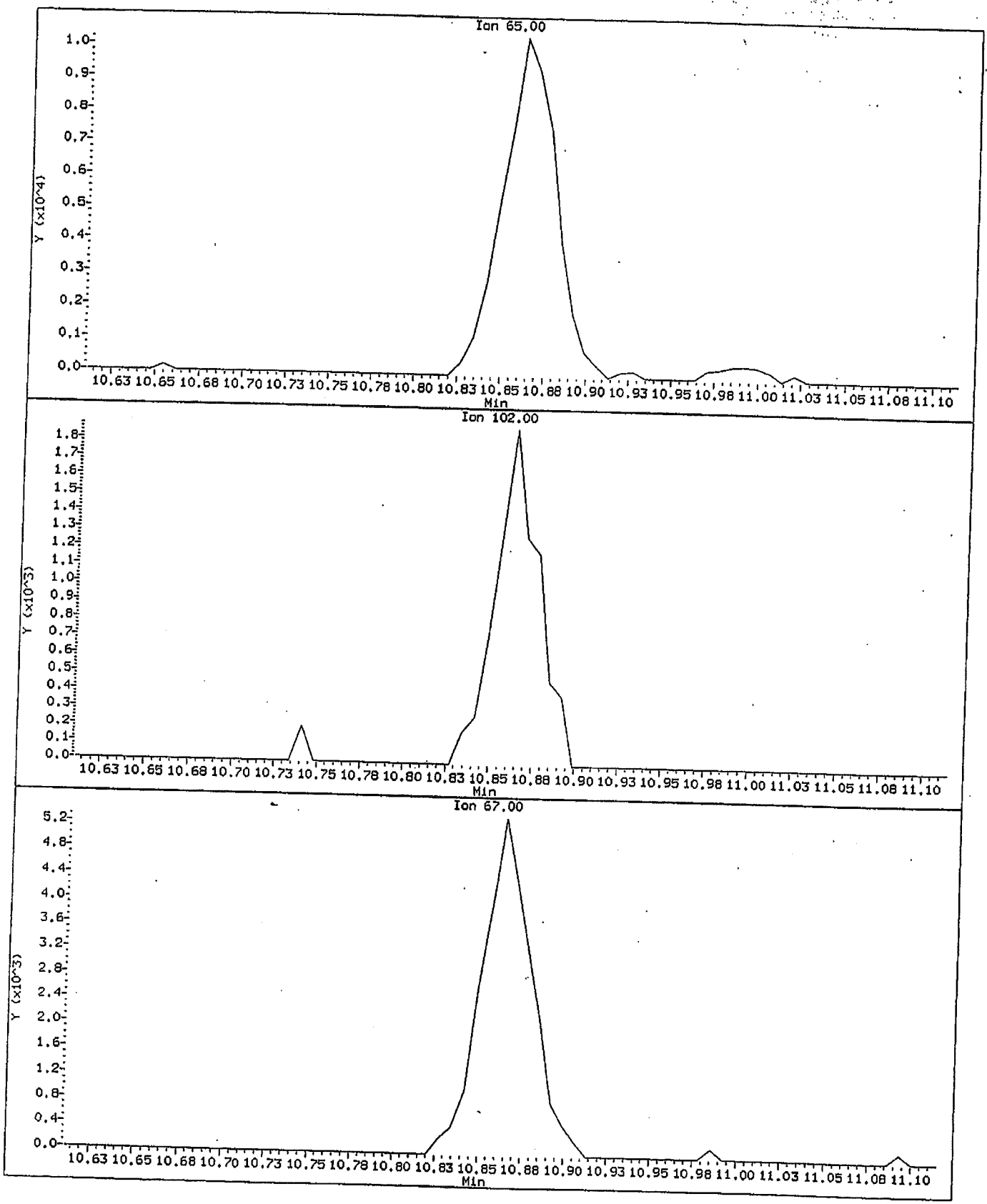






Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

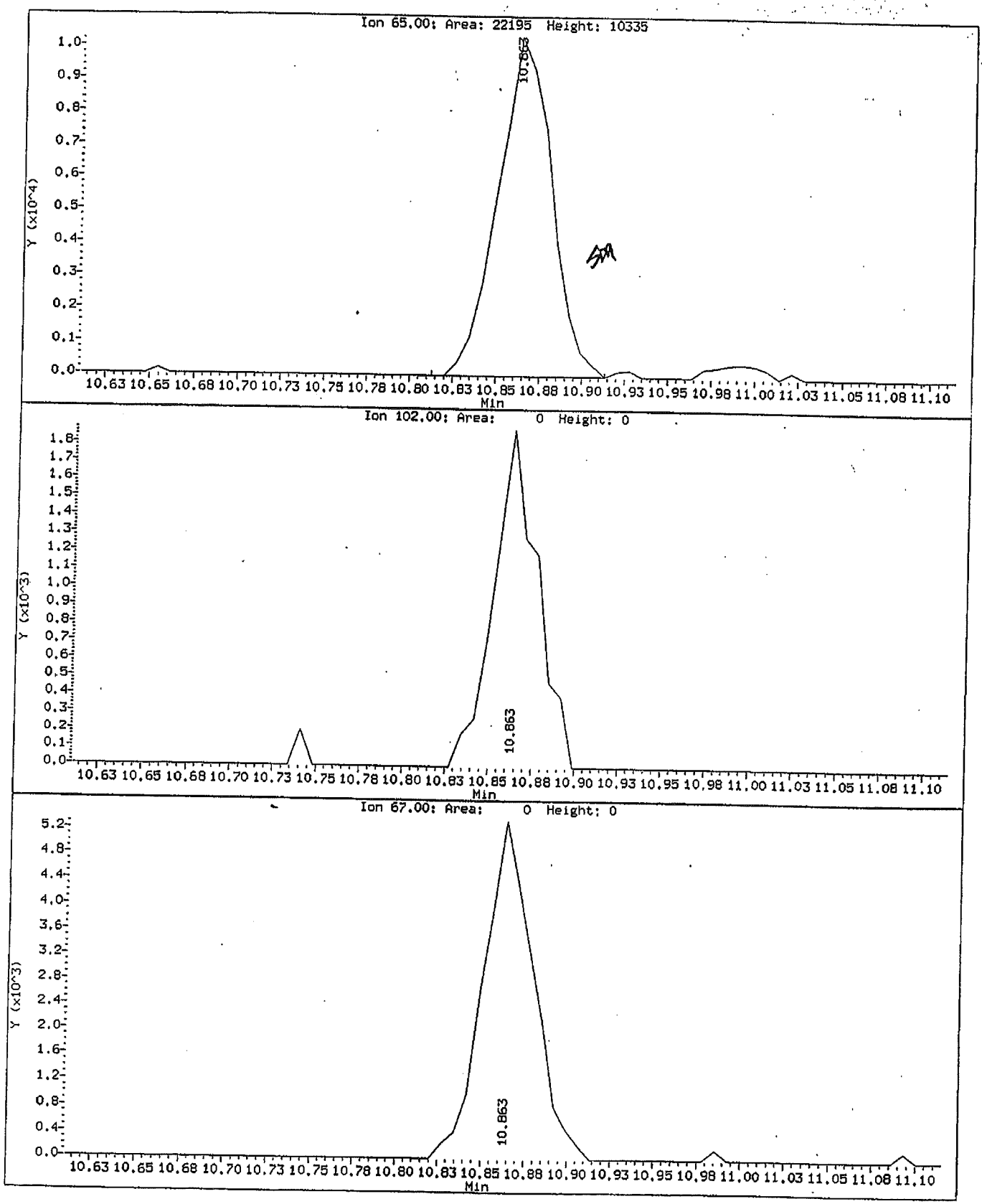
Compound: 1,2-Dichloroethane-d4
CAS Number: 17060-07-0



001883

Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: 1,2-Dichloroethane-d4
CAS Number: 17060-07-0

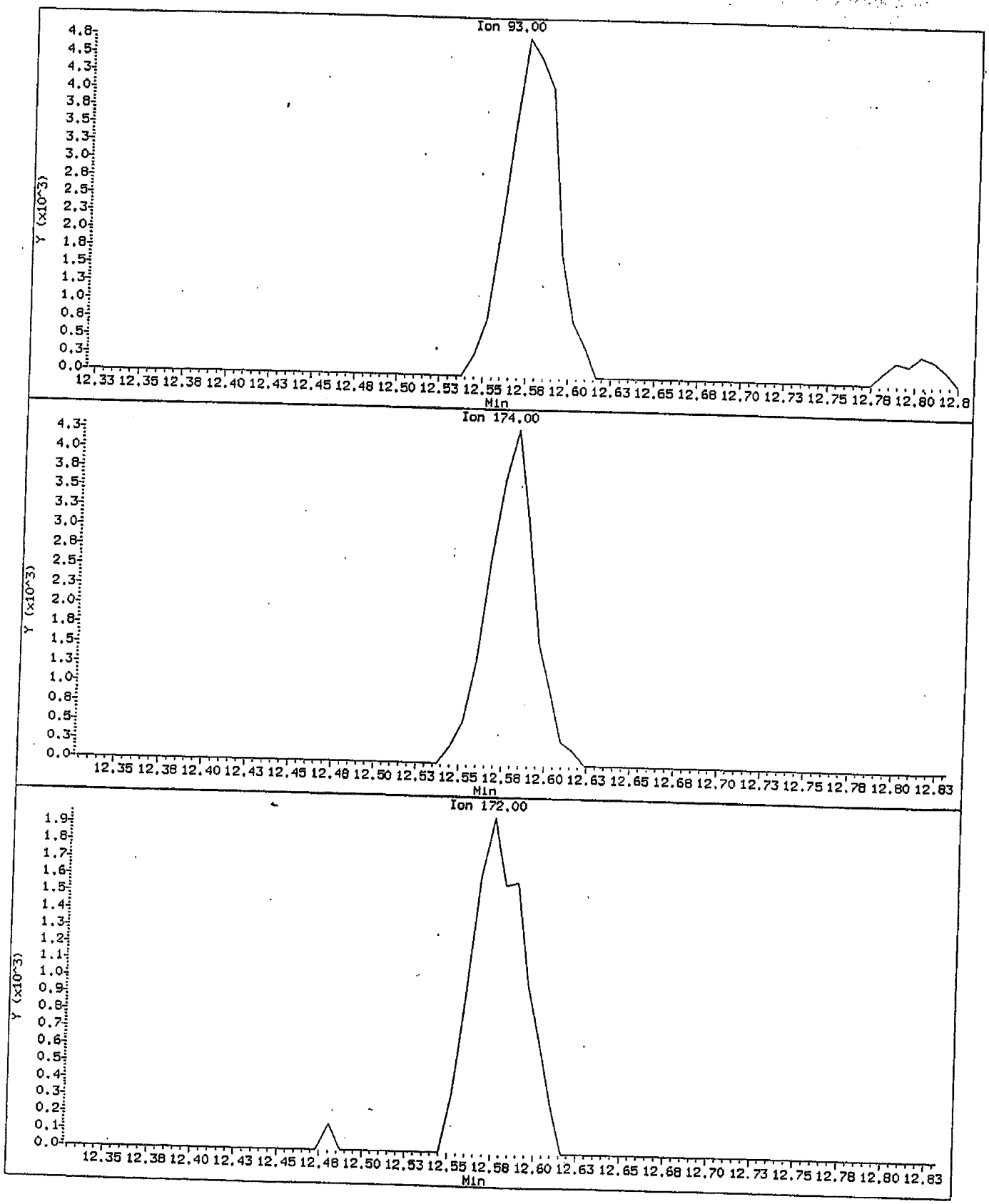


001884

BOE-C6-0175422

Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

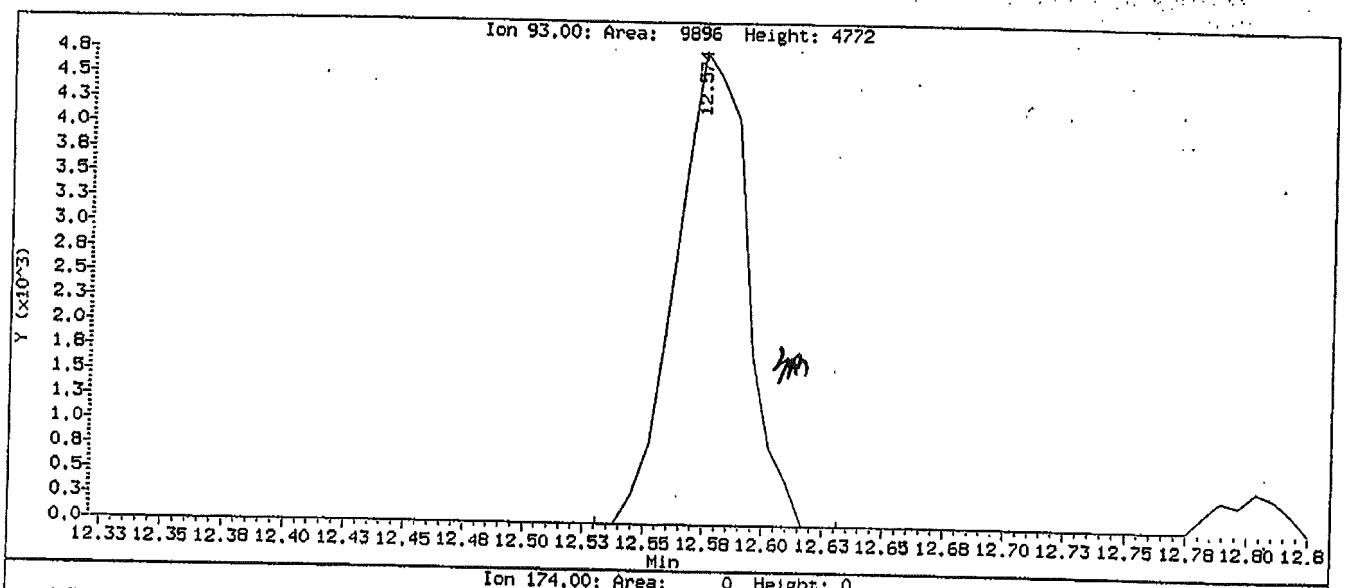
Compound: Dibromomethane
CAS Number: 74-95-3

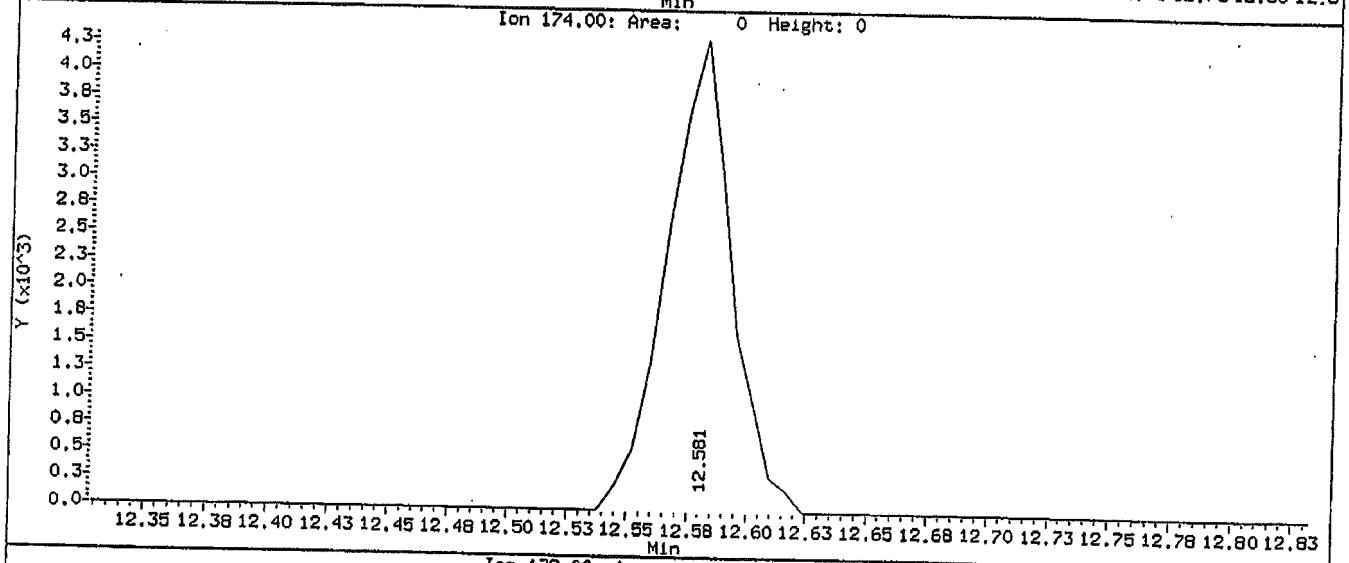


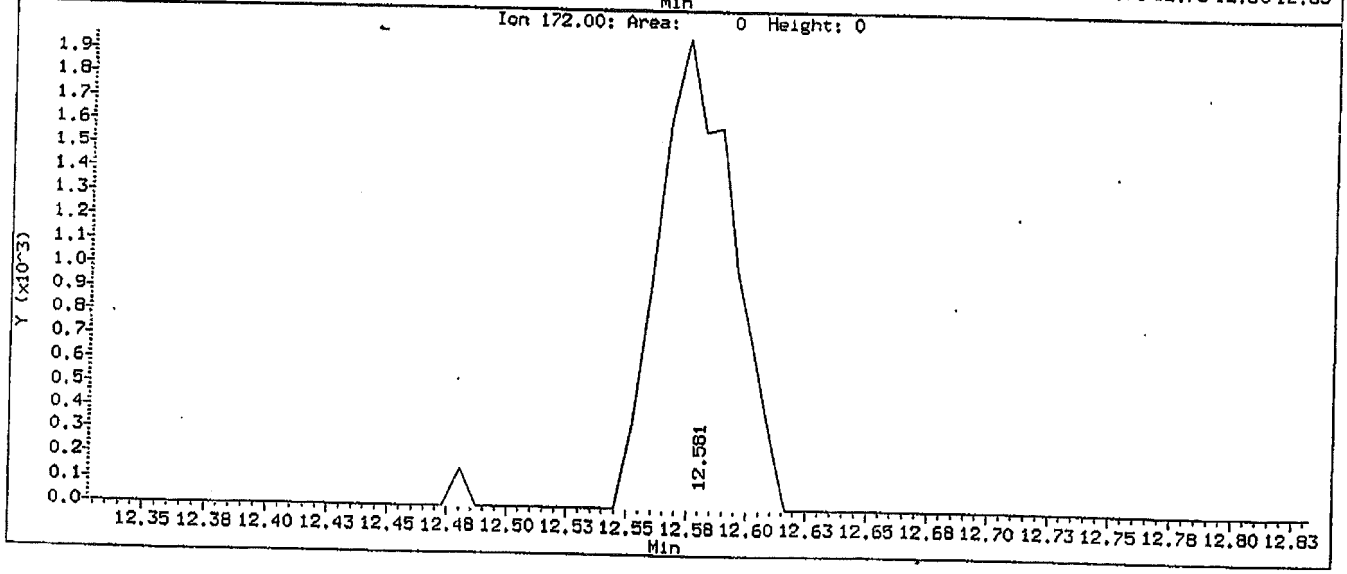
001885

Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: Dibromomethane
CAS Number: 74-95-3

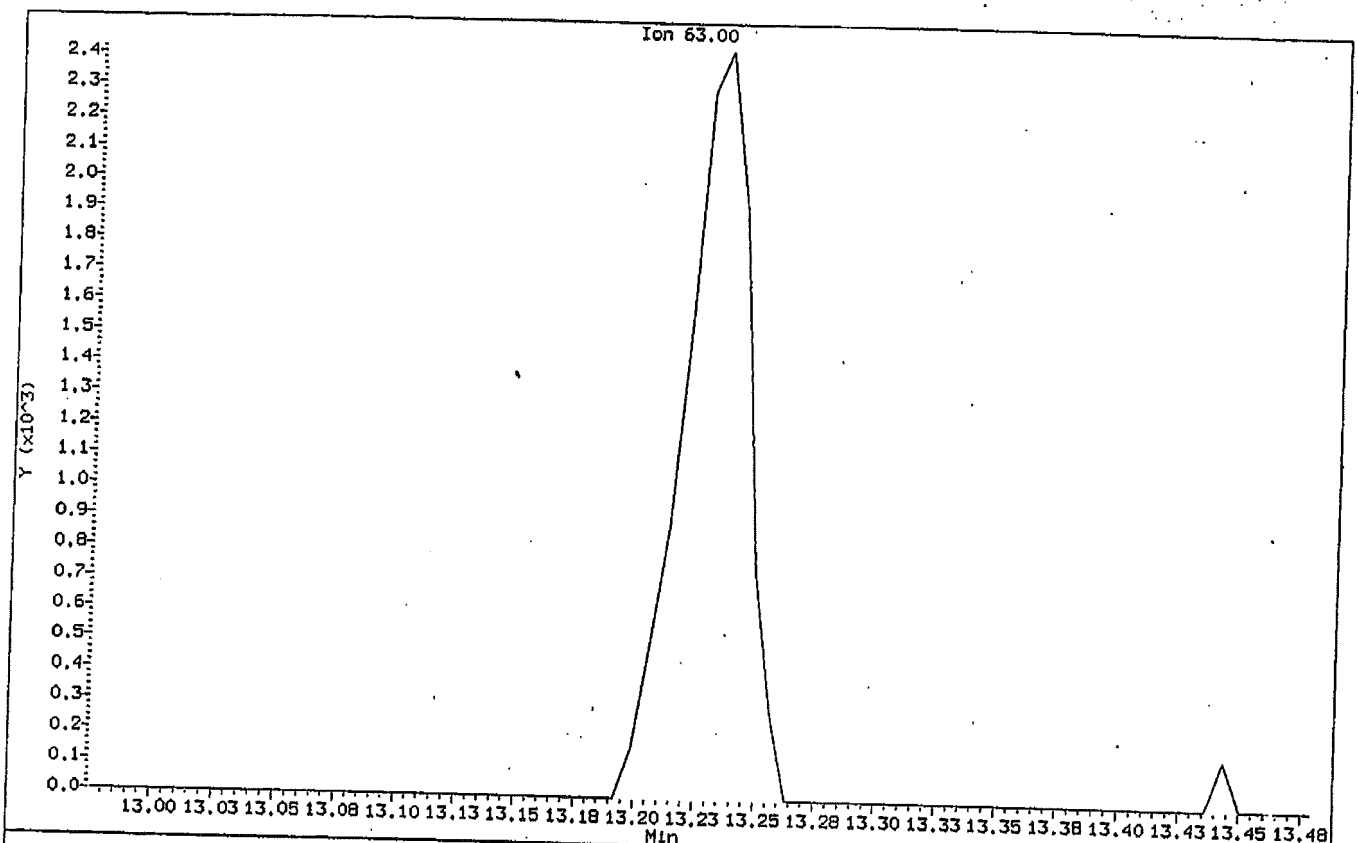


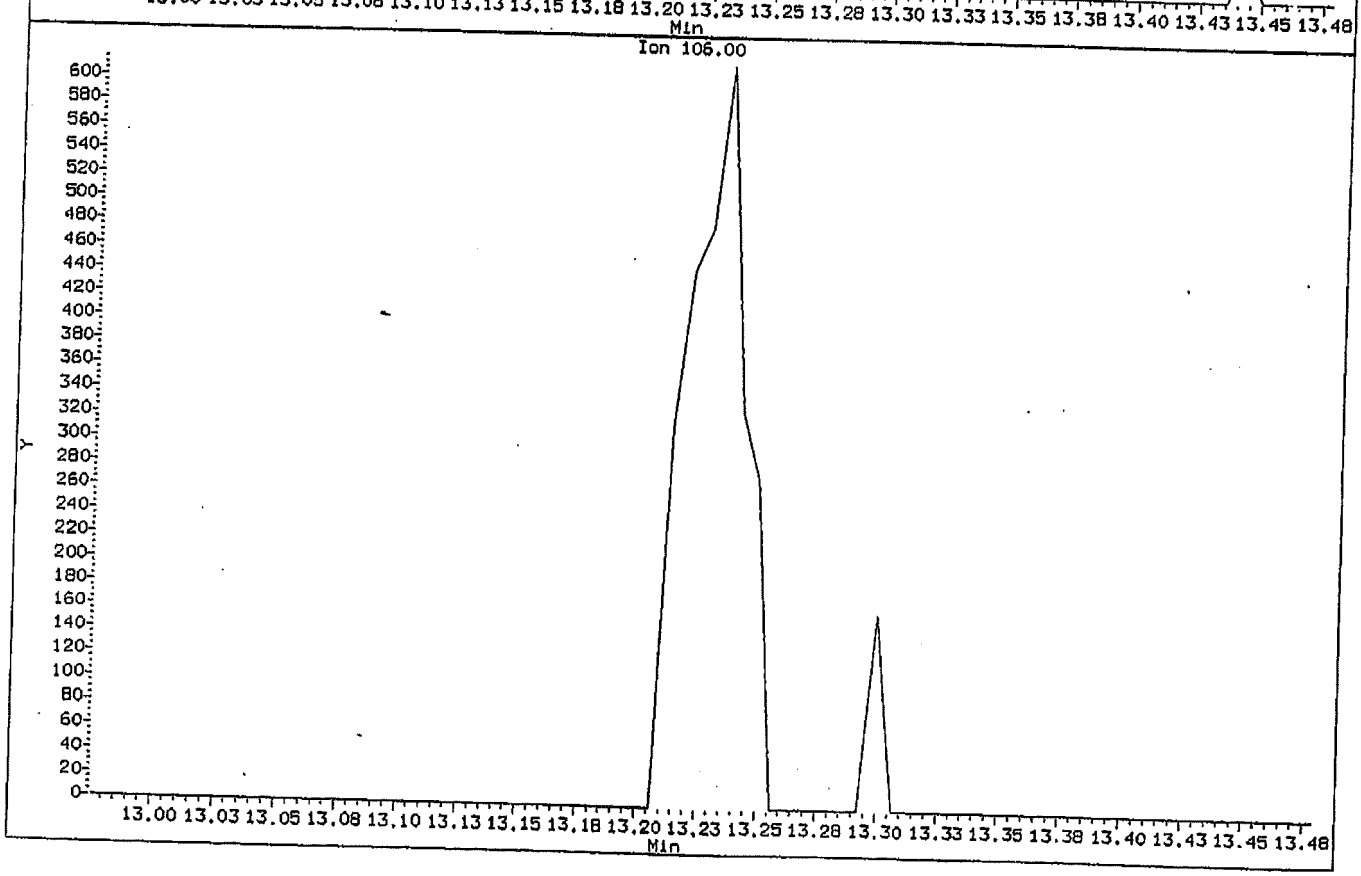




Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

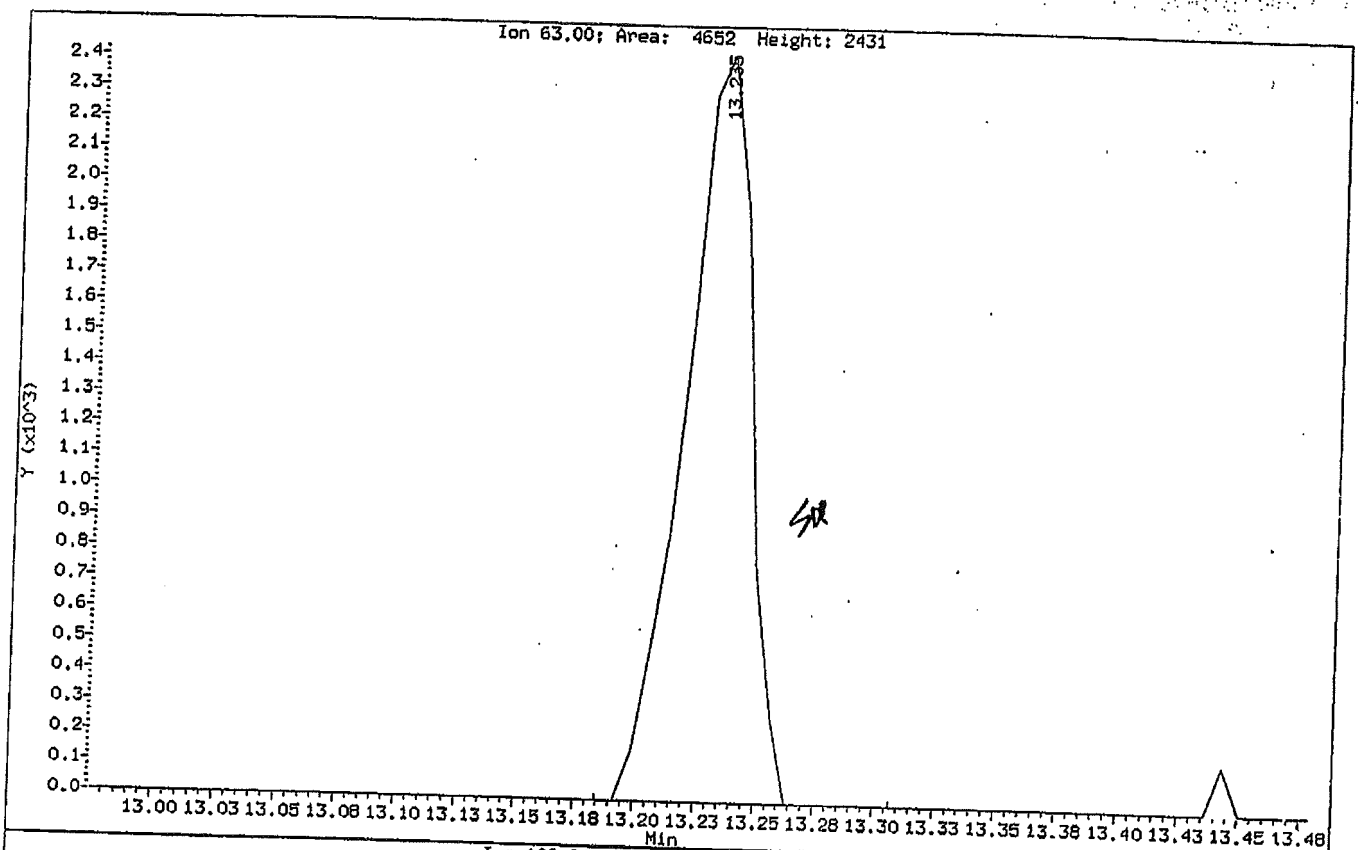
Compound: 2-Chloroethyl vinyl ether
CAS Number: 110-75-8

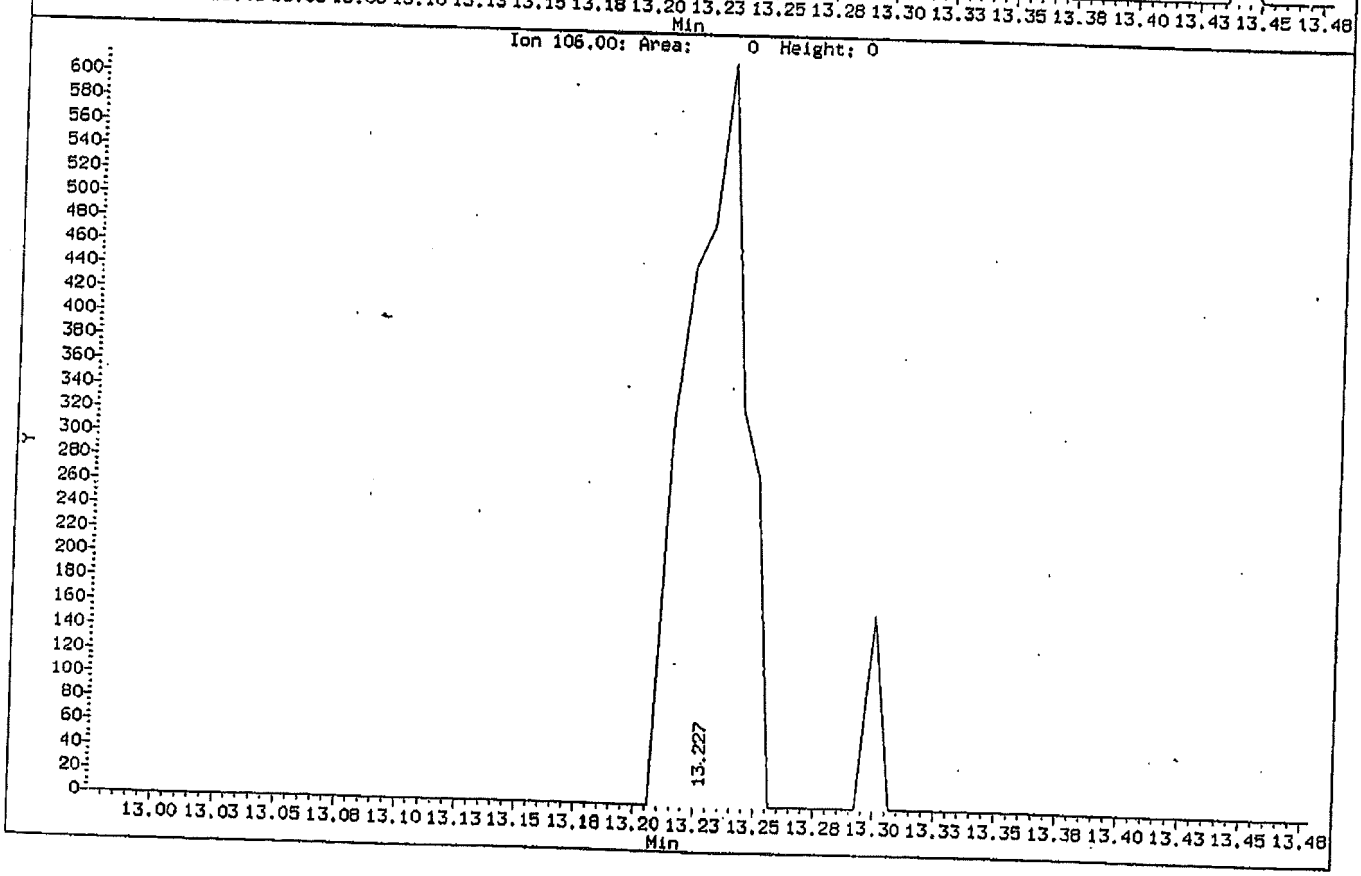




Data File: /chem/hp7.1/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.1
Client Sample ID:

Compound: 2-Chloroethyl vinyl ether
CAS Number: 110-75-8

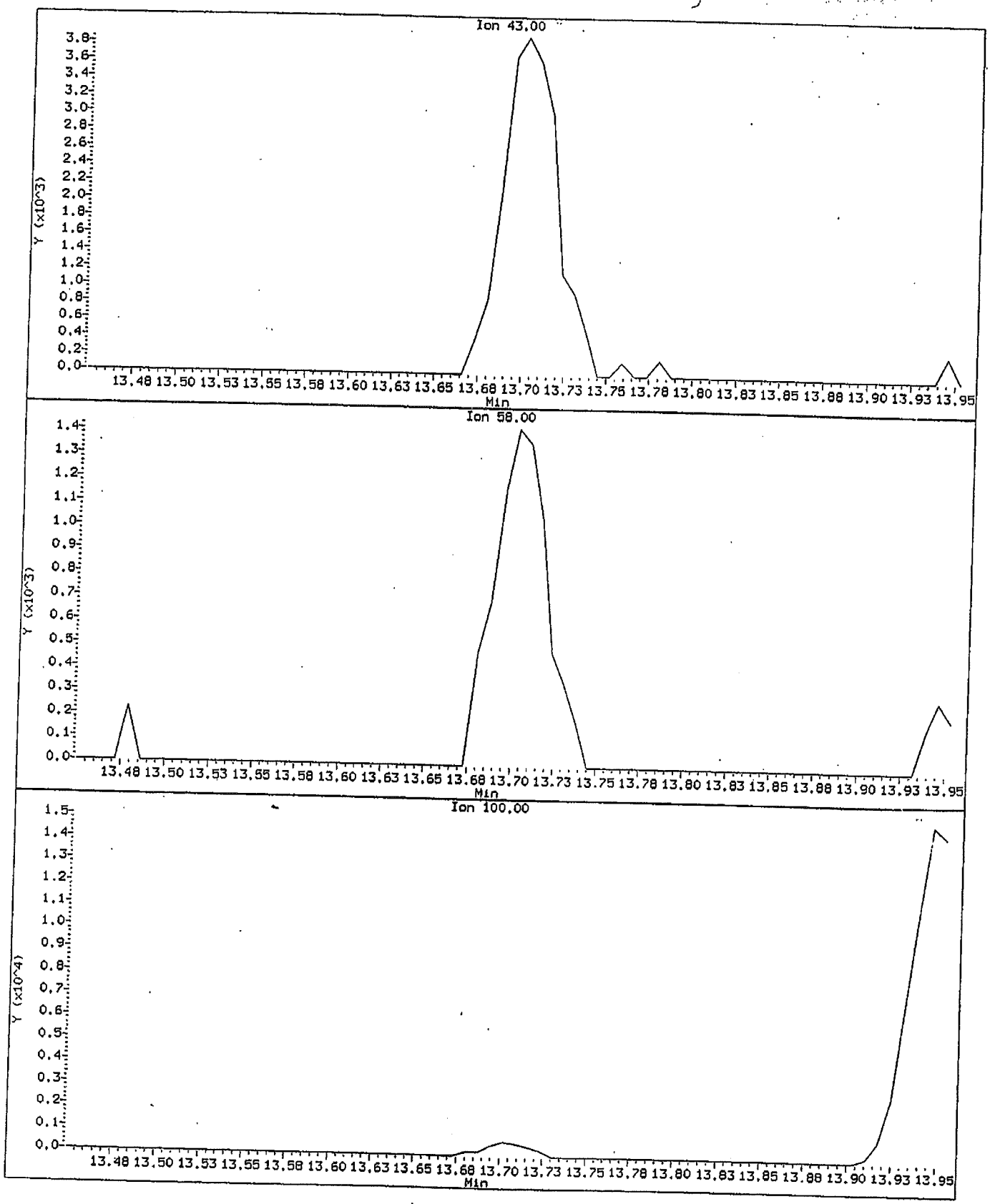




001888

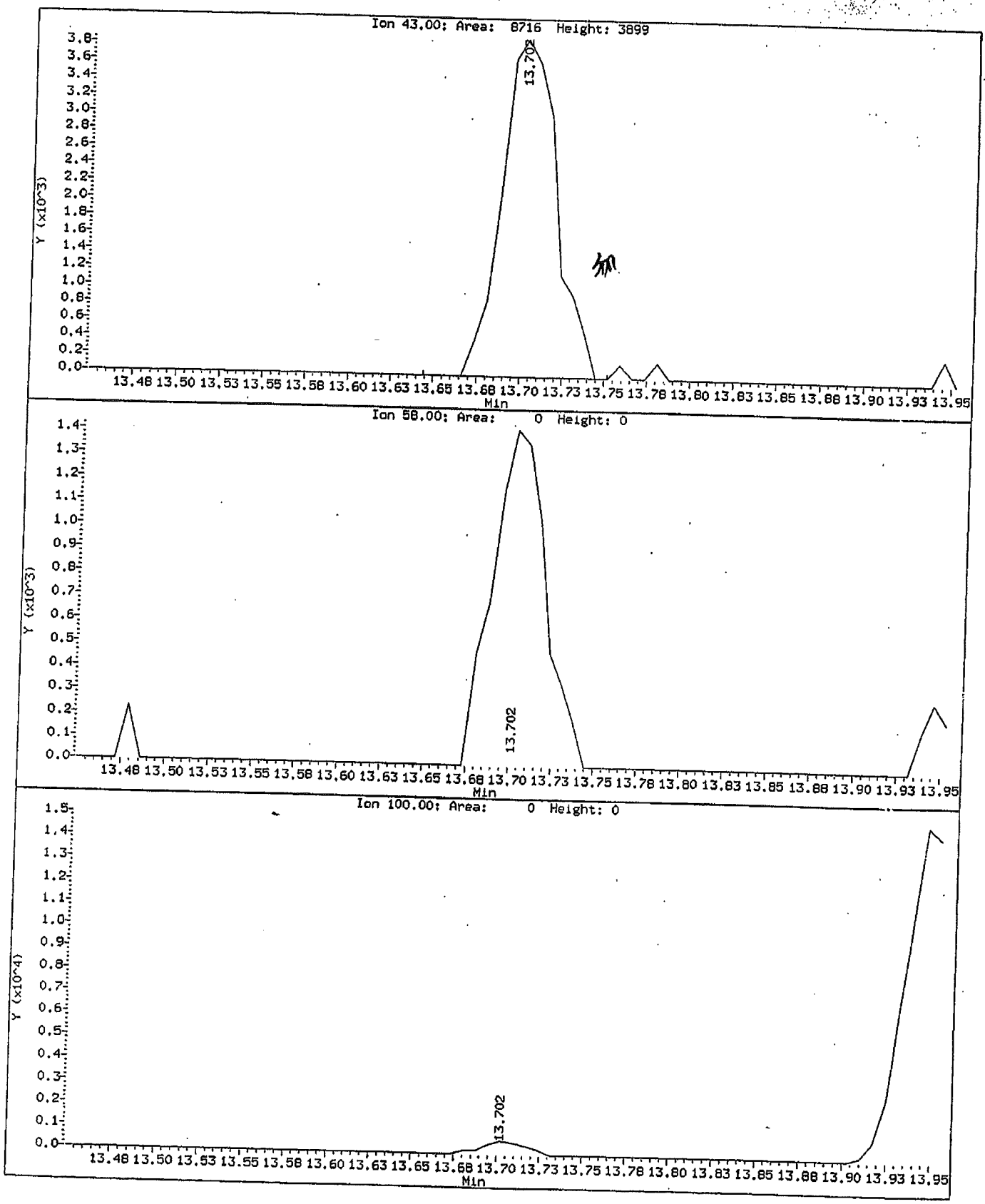
Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: 4-Methyl-2-pentanone
CAS Number: 108-10-1



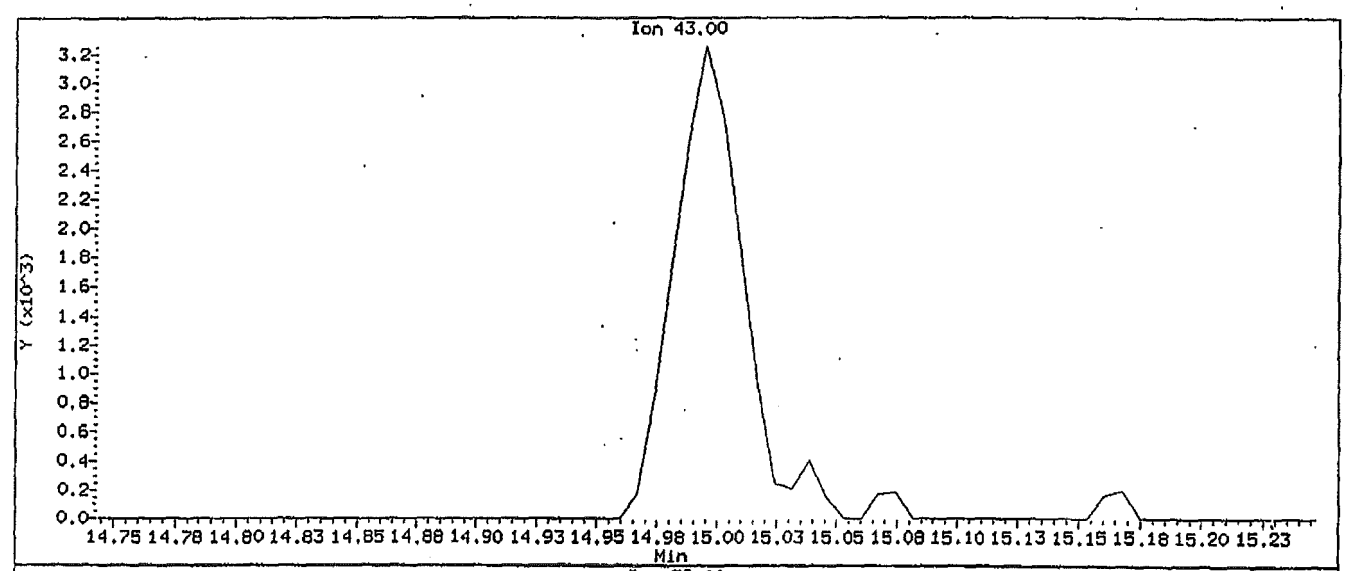
Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

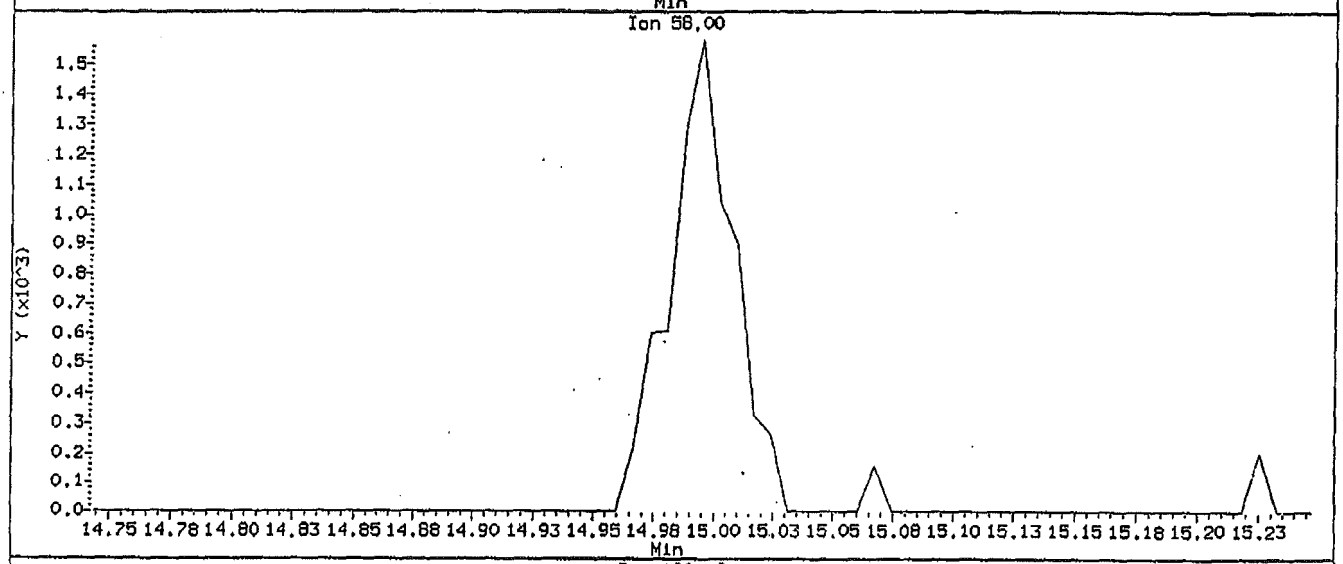
Compound: 4-Methyl-2-pentanone
CAS Number: 108-10-1

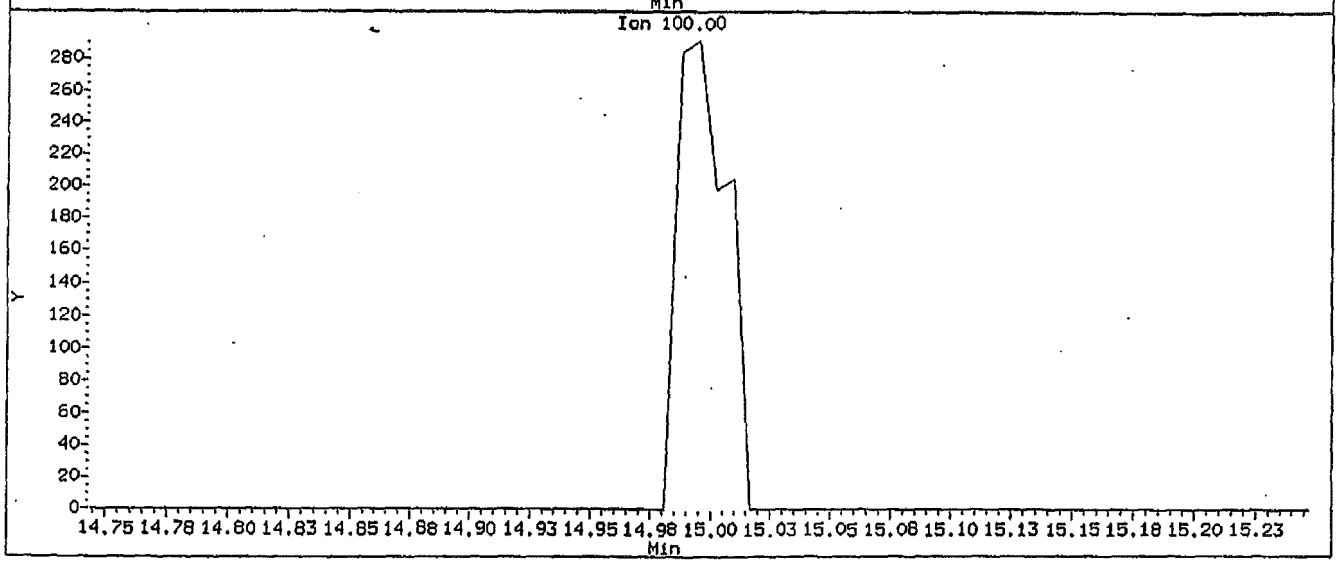


Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: 2-Hexanone
CAS Number: 591-78-6

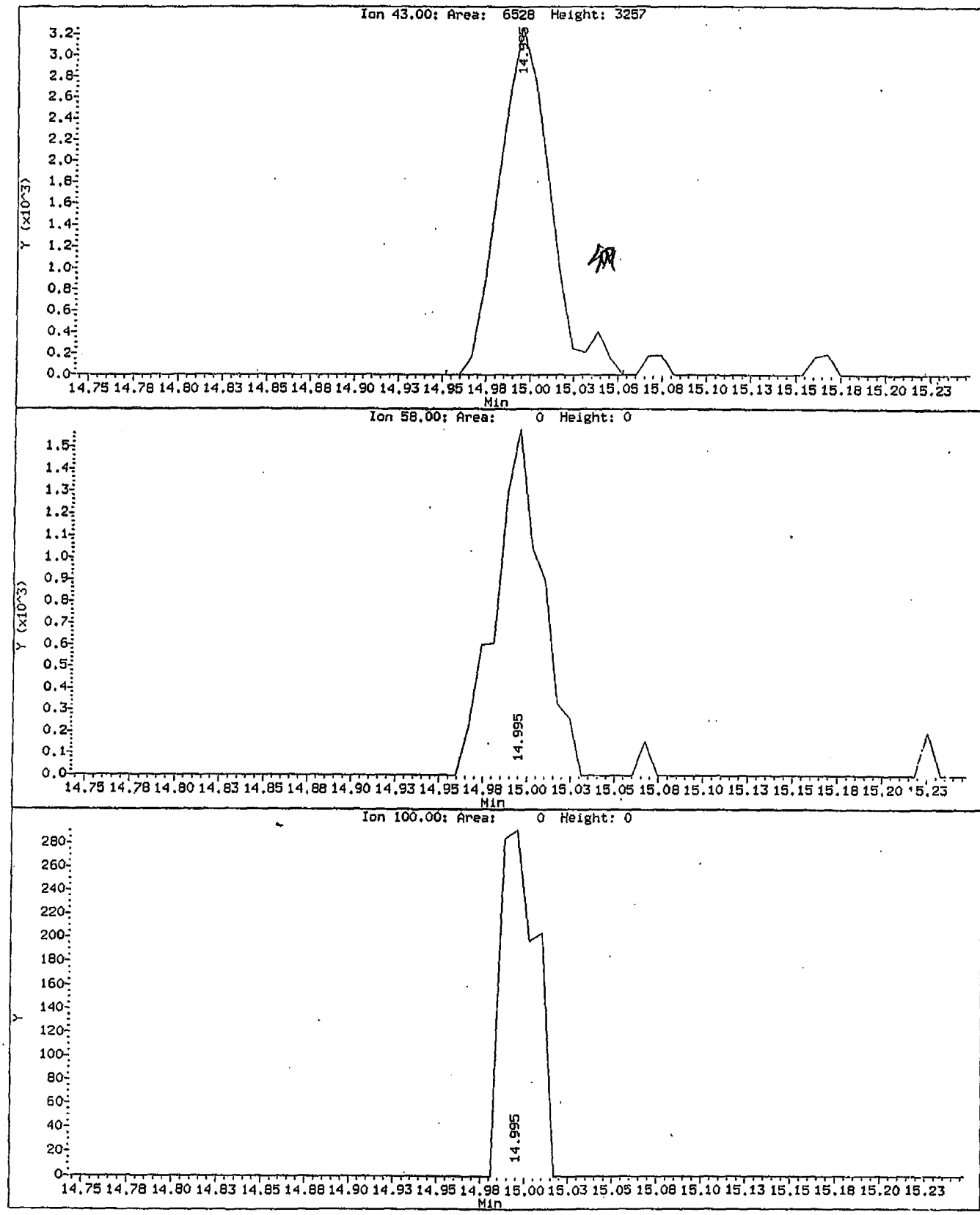






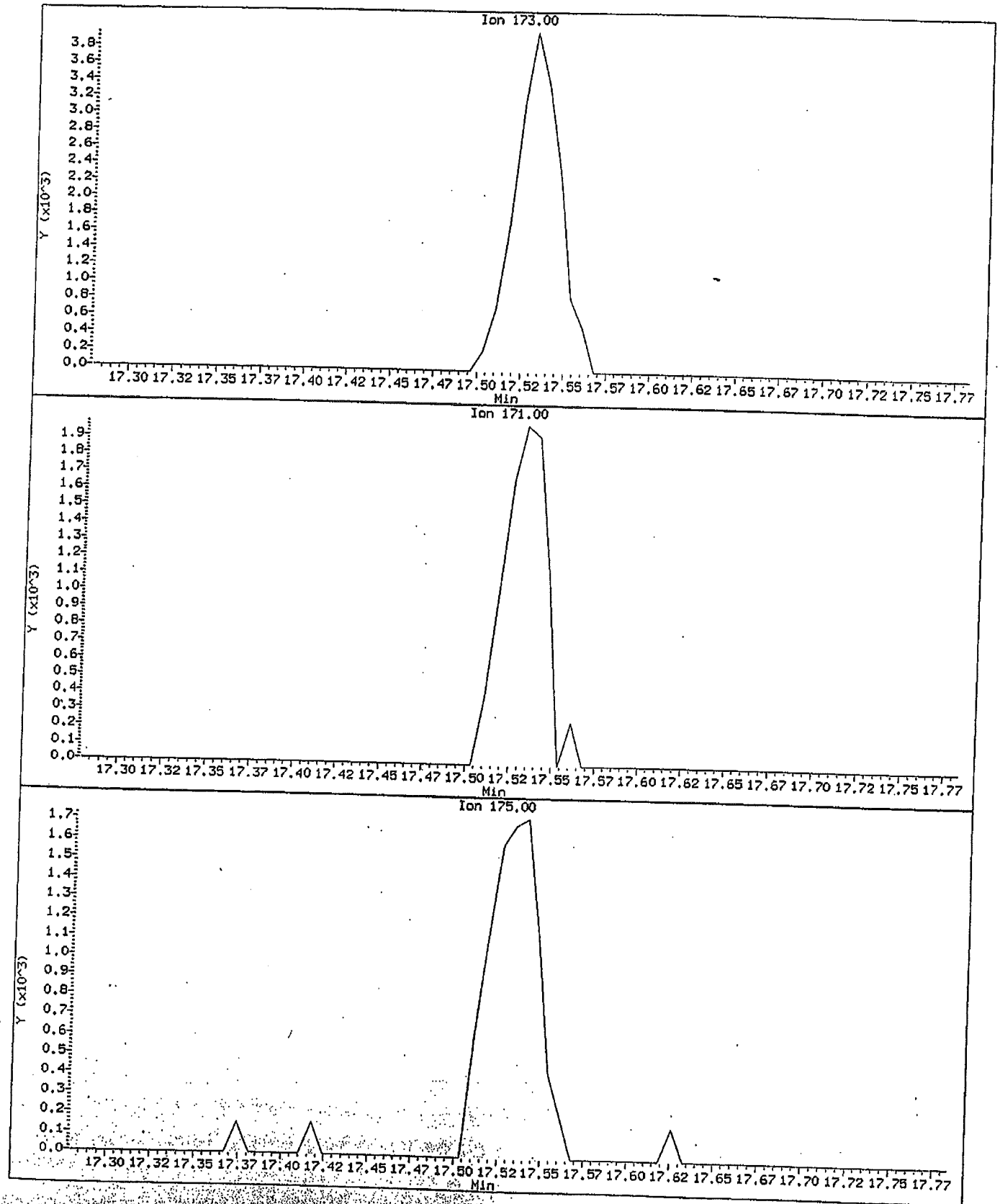
Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: 2-Hexanone
CAS Number: 591-78-6



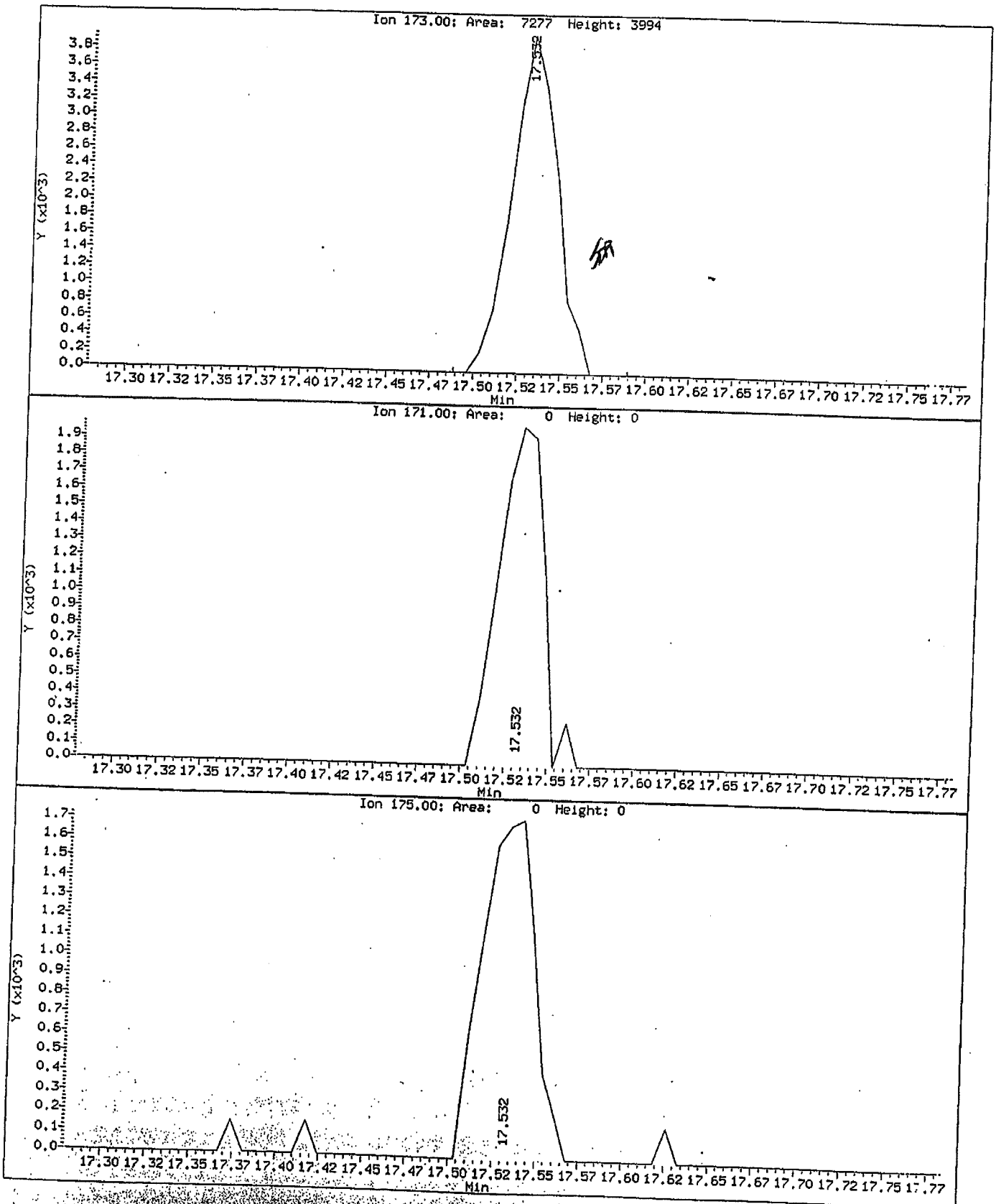
Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: Bromoform (**)
CAS Number: 75-25-2



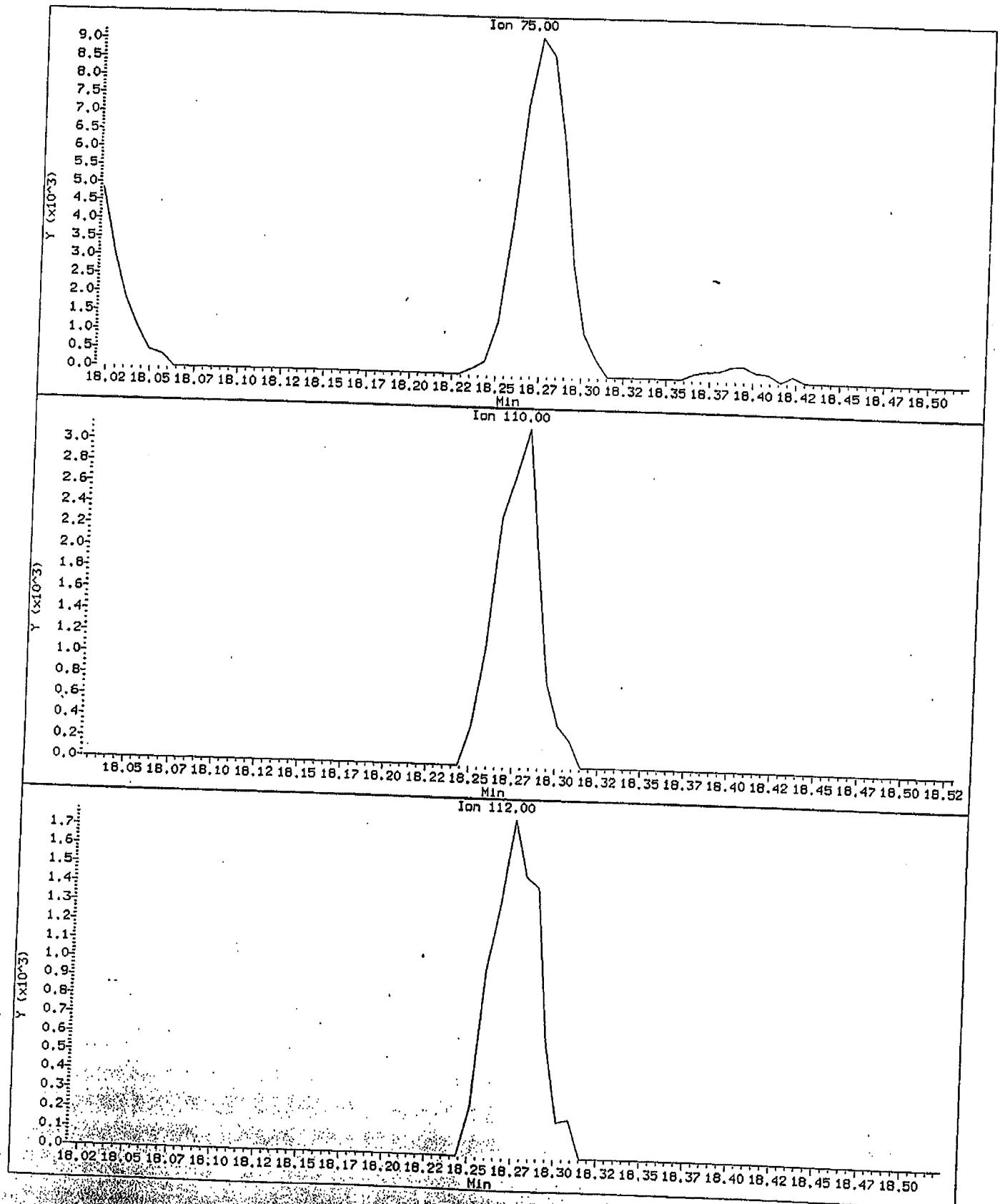
Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: Bromoform (**)
CAS Number: 75-25-2



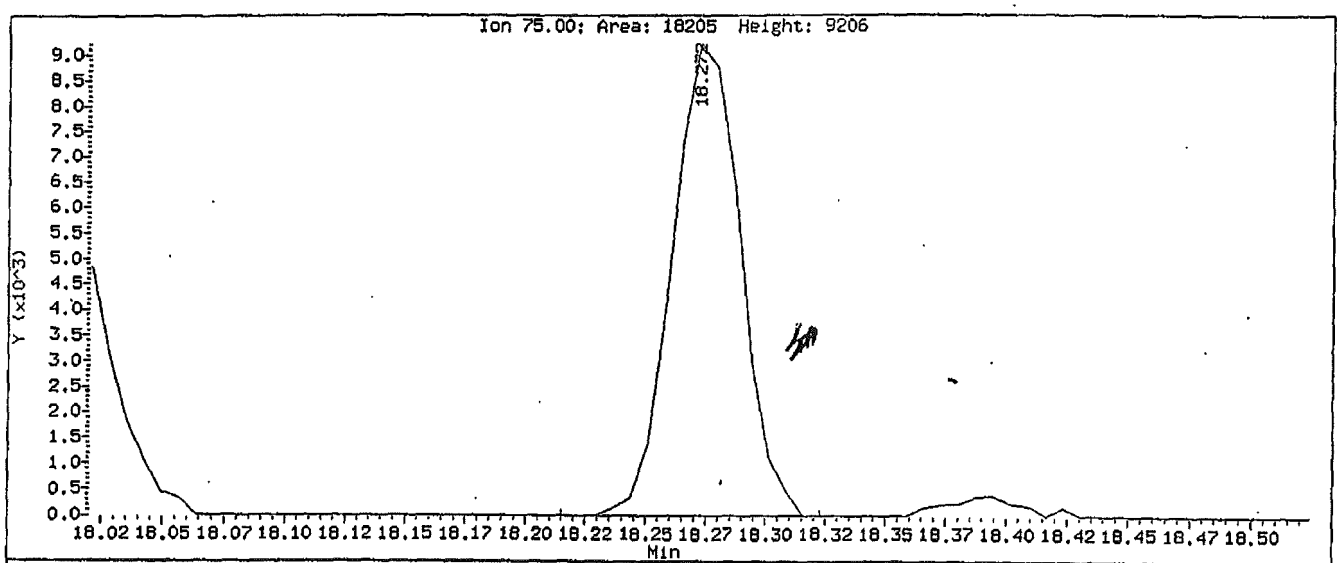
Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

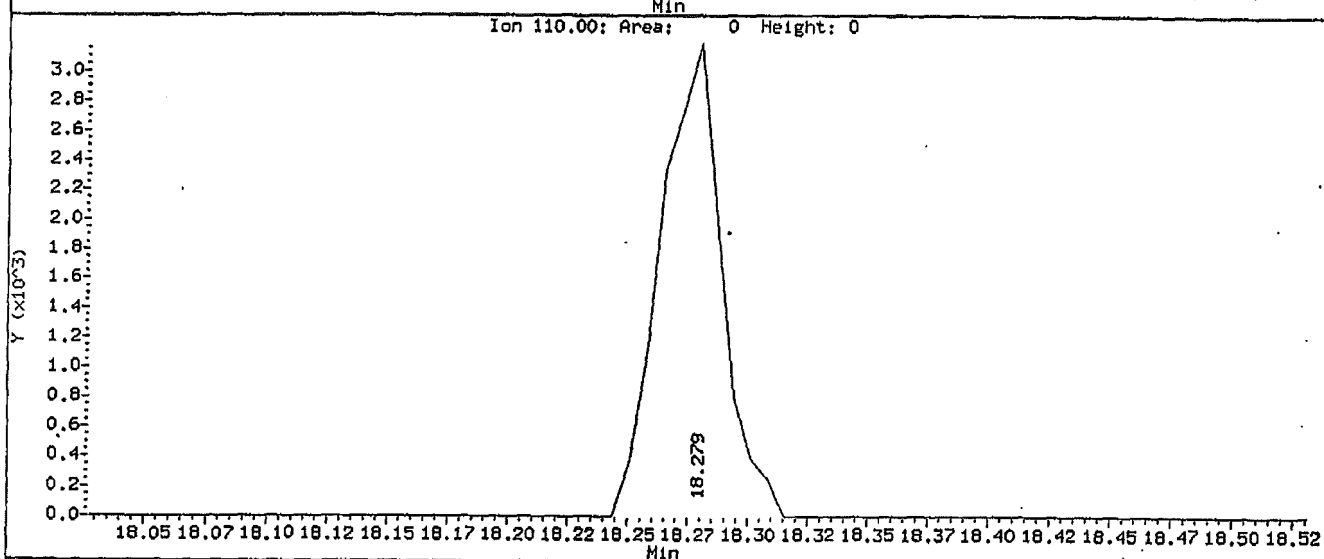
Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4

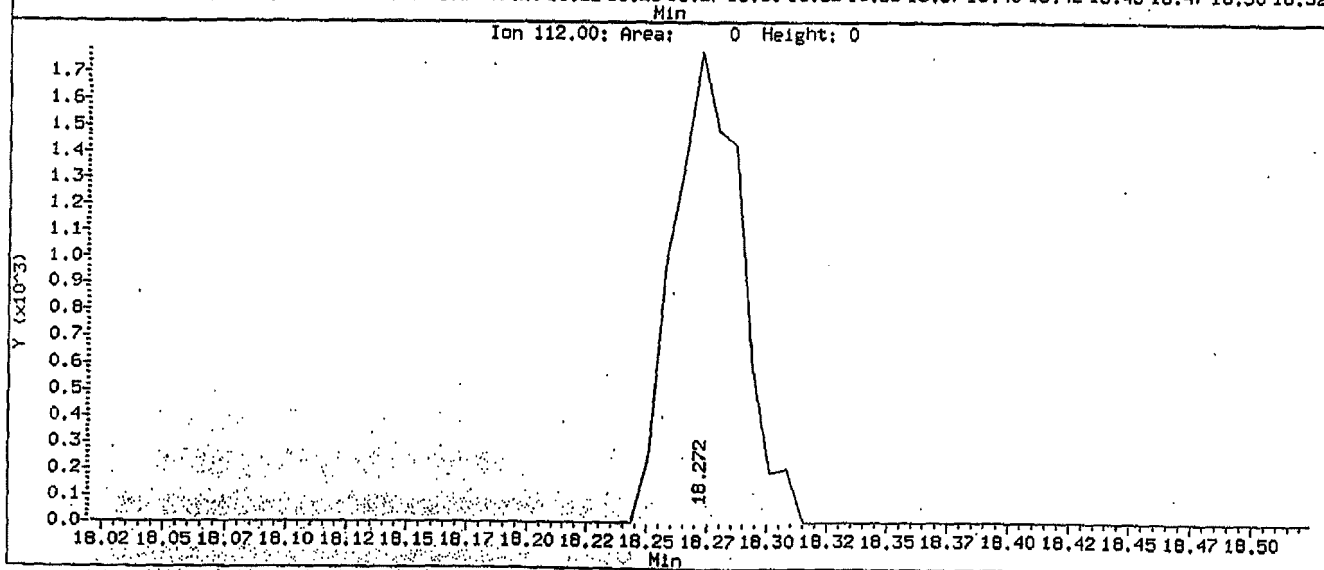


Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

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

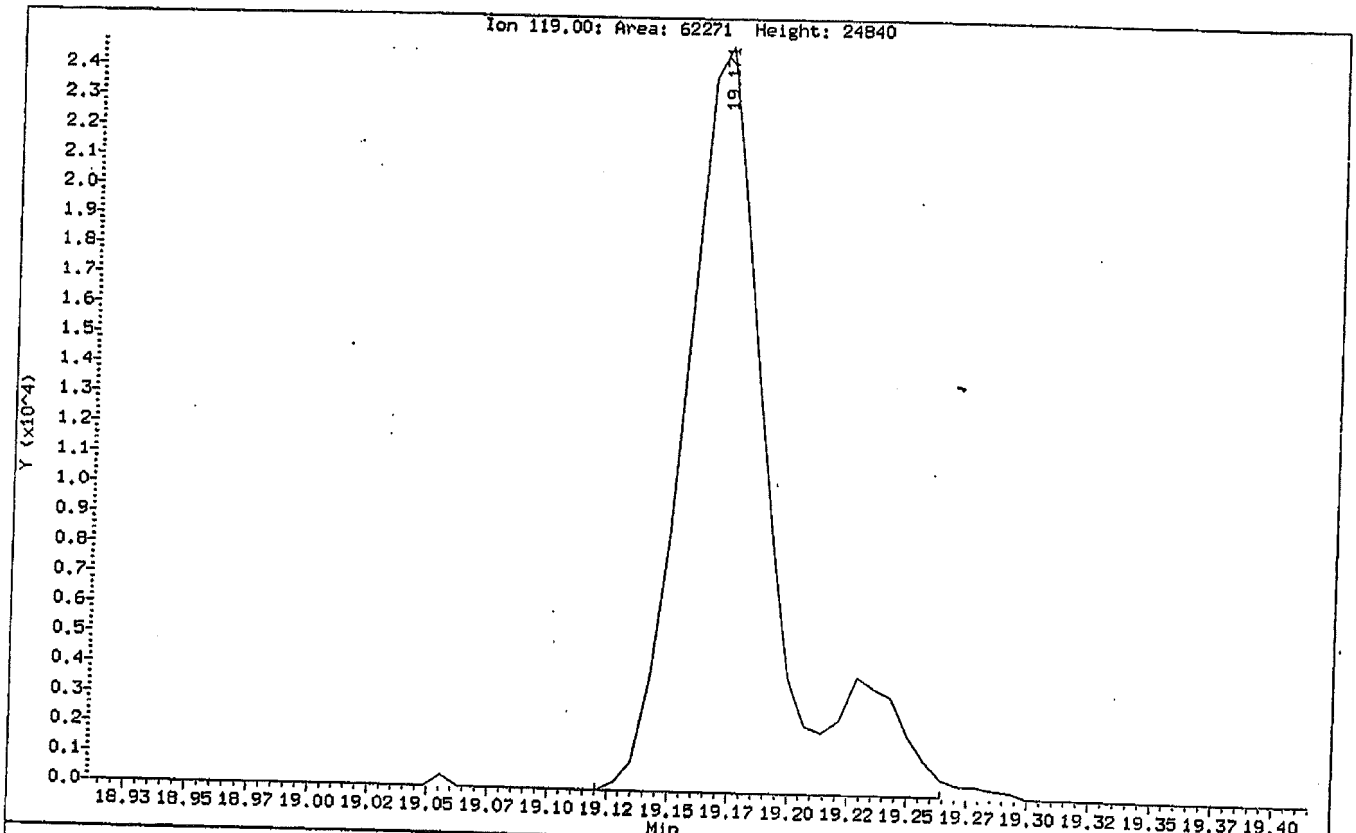


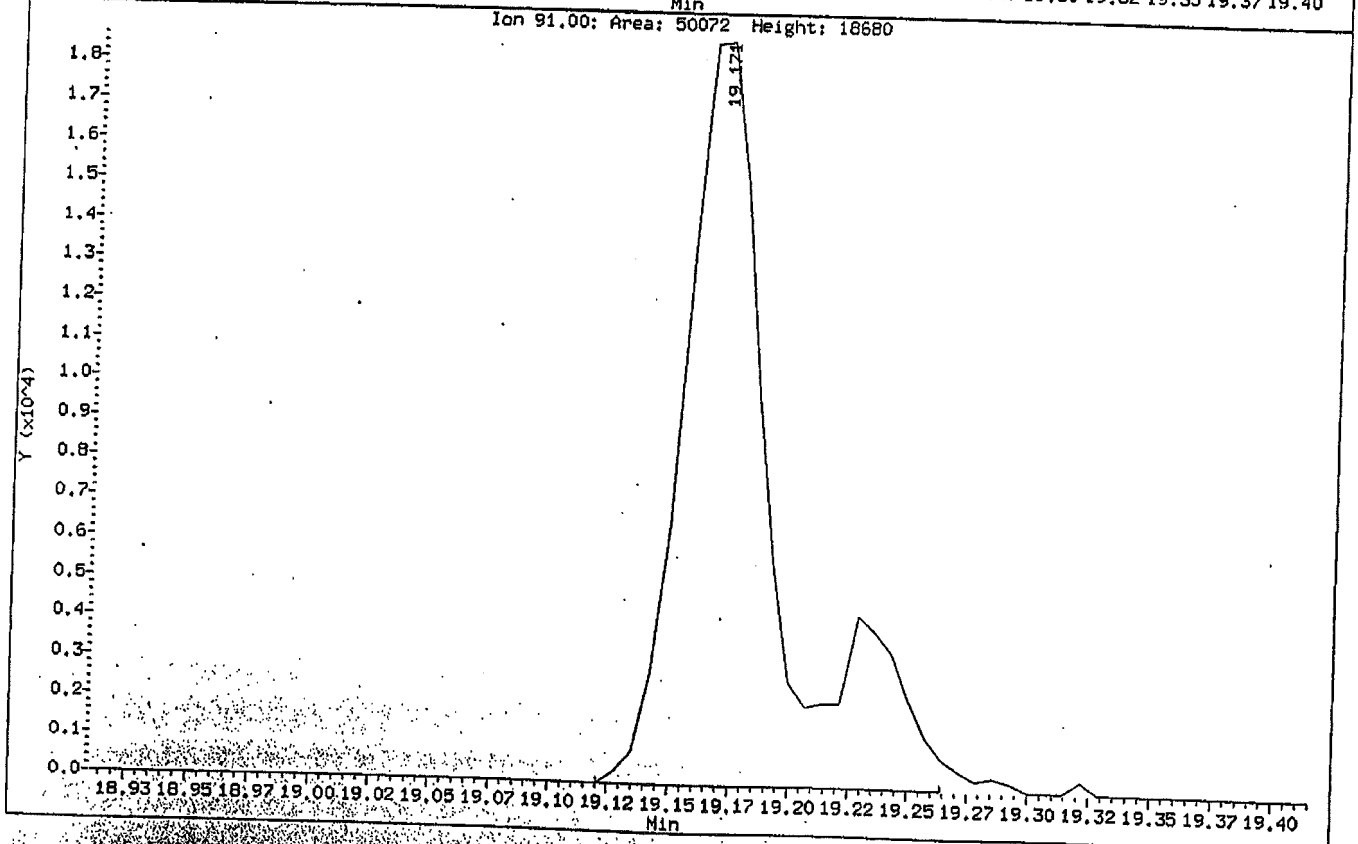




Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

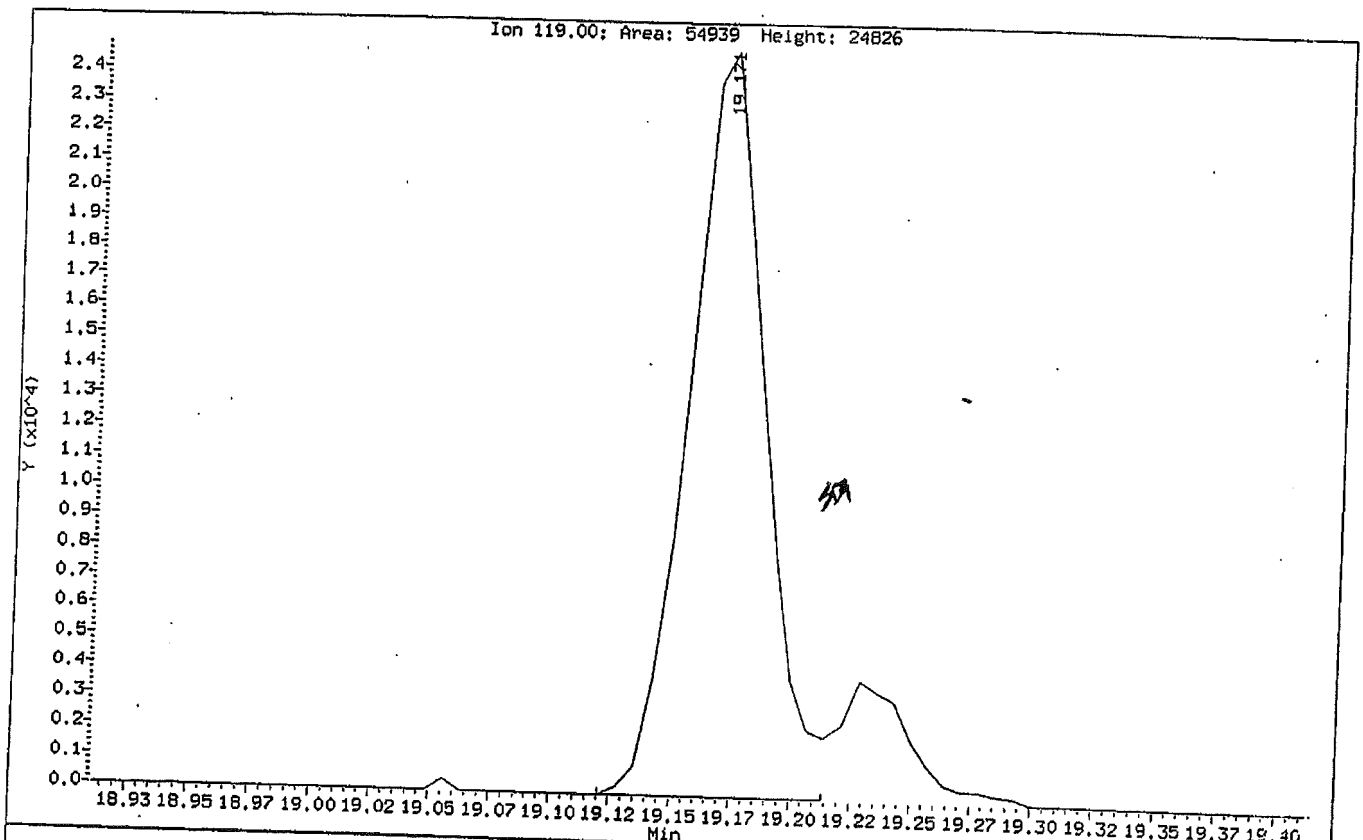
Compound: T-Butylbenzene
CAS Number: 98-06-6

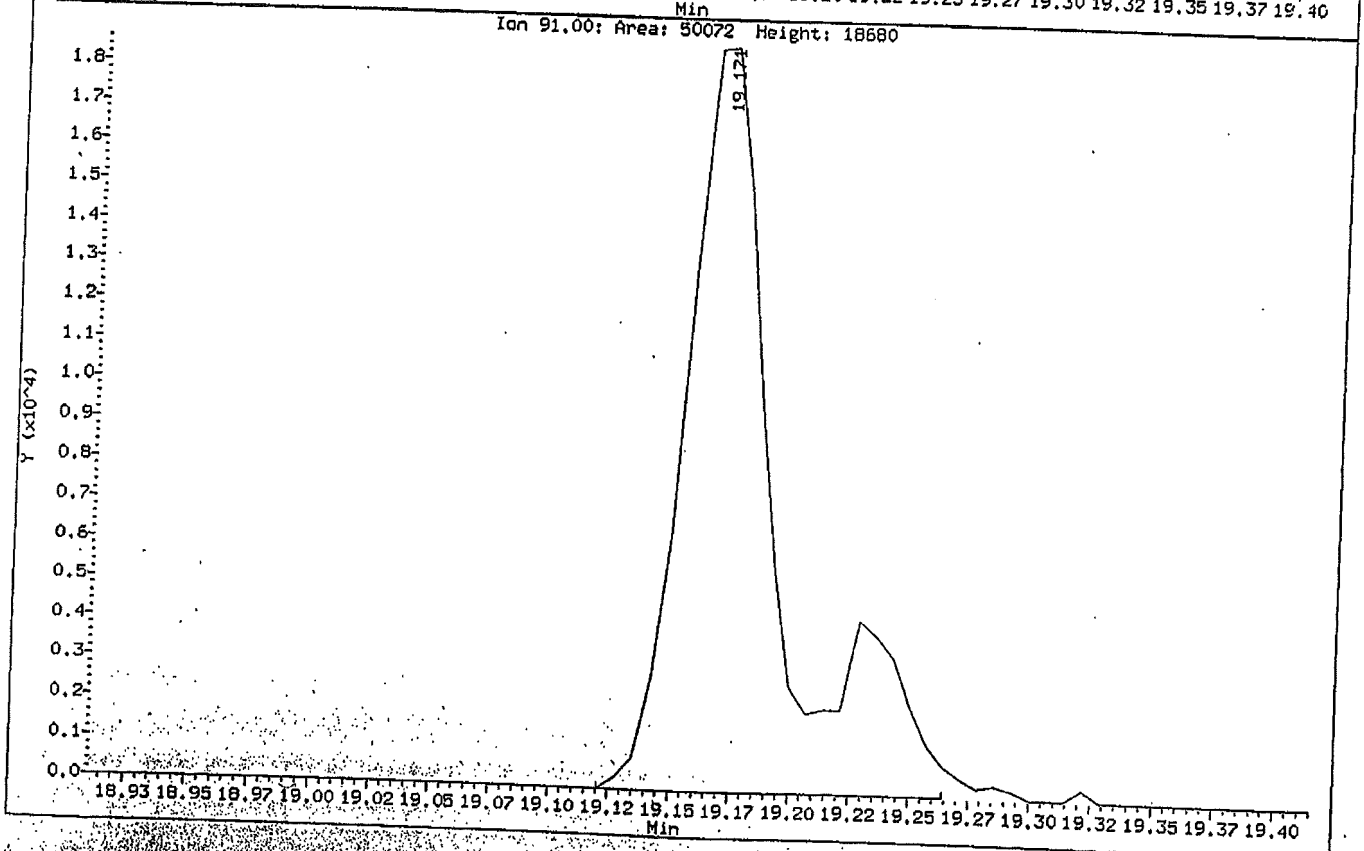




Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

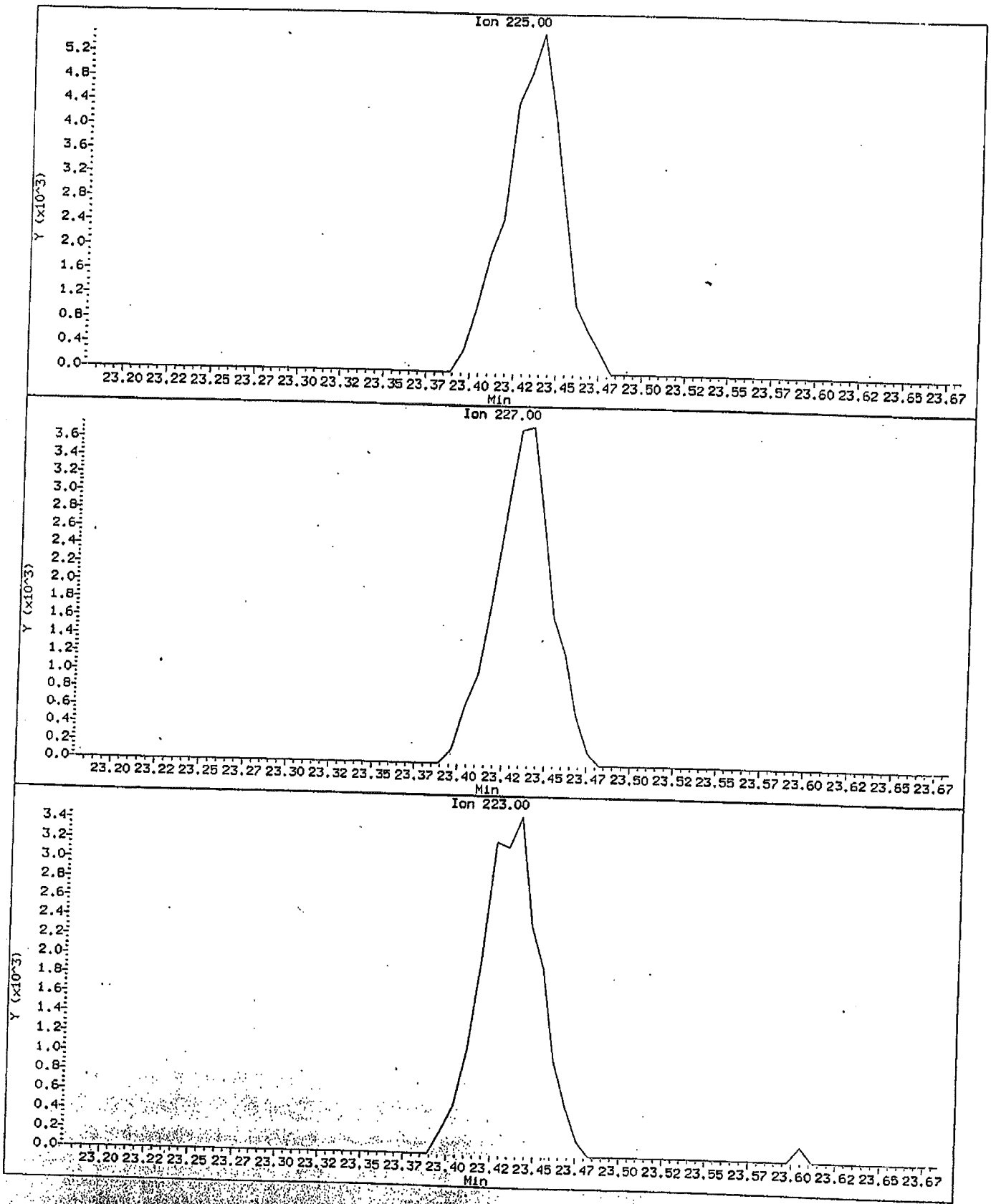
Compound: T-Butylbenzene
CAS Number: 98-06-6





Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: Hexachlorobutadiene
CAS Number: 87-68-3

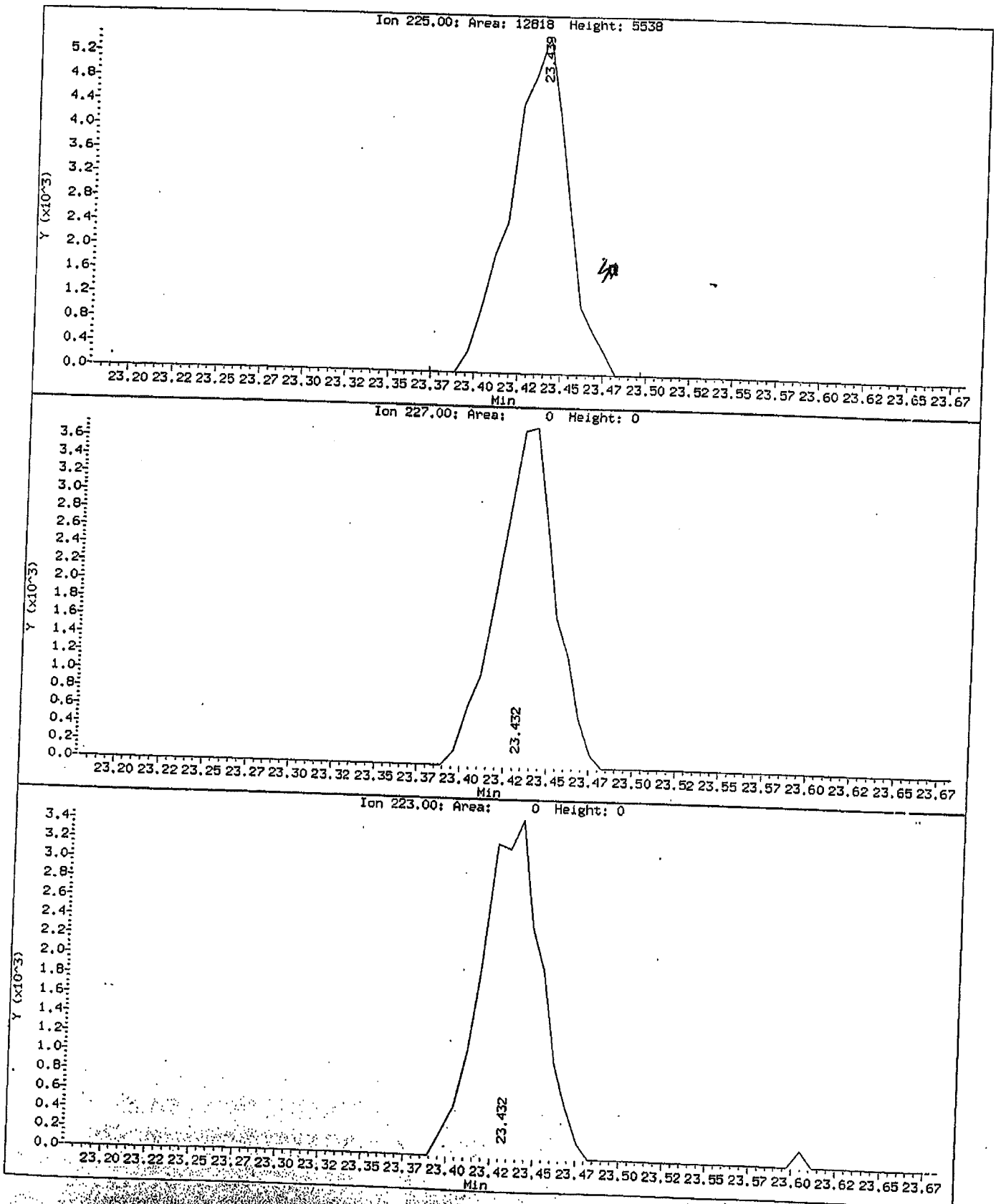


001899

BOE-C6-0175437

Data File: /chem/hp7.i/H71102.b/V7468.D
Injection Date: 02-NOV-2000 15:26
Instrument: hp7.i
Client Sample ID:

Compound: Hexachlorobutadiene
CAS Number: 87-68-3



STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71102.b\V7467.D
Lab Smp Id: VSTD010
Inj Date : 02-NOV-2000 14:56
Operator : Barmbys
Inst ID: hp7.i
Smp Info : VSTD010;Barmbys;1;;2;;1
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71102.b\8260S.m
Meth Date : 02-Nov-2000 16:08 barmbys
Quant Type: ISTD
Cal Date : 02-NOV-2000 14:56
Cal File: V7467.D
Als bottle: 8
Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon
Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

SDB 11/2/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
1 Dichlorodifluoromethane	85	3.490	3.490	(0.302)	42796	10.0000	11.1096
2 Chloromethane (**)	50	3.820	3.820	(0.330)	48934	10.0000	11.5446
3 Vinyl Chloride (*)	62	4.007	4.007	(0.347)	51402	10.0000	11.0681
4 Bromomethane	94	4.603	4.603	(0.398)	32149	10.0000	11.1766
5 Chloroethane	64	4.776	4.776	(0.413)	31611	10.0000	11.0610 (M)
6 Trichlorofluoromethane	101	5.243	5.243	(0.454)	83647	10.0000	10.8026
8 1,1-Dichloroethene(*)	96	6.249	6.249	(0.541)	40873	10.0000	10.7302
9 Trichlorotrifluoroethane	101	6.220	6.220	(0.538)	37784	10.0000	10.9049
10 Acetone	43	6.299	6.299	(0.545)	14026	10.0000	13.2726 (M)
11 Carbon disulfide	76	6.731	6.731	(0.582)	97713	10.0000	10.3704
12 Methylene Chloride	84	7.162	7.162	(0.620)	43684	10.0000	10.8572
13 Hexane	57	8.189	8.189	(0.708)	38424	10.0000	9.73969
14 trans-1,2-Dichloroethene	96	7.686	7.686	(0.665)	42851	10.0000	10.7952
M 131 1,2-Dichloroethane (Total)	96				79087	10.0000	21.0196
15 Methyl-t-butyl-ether	73	7.679	7.679	(0.664)	95480	10.0000	10.4450

2 SDB 11/2/00

1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
	17 1,1-Dichloroethane (**)	63	8.455	8.455	(0.731)	74960	10.0000	10.8460
	18 Vinyl acetate	43	8.498	8.498	(0.735)	9939	10.0000	6.73430
	20 2,2-Dichloropropane	77	9.490	9.490	(0.821)	65047	10.0000	10.1454
	21 cis 1,2-Dichloroethene	96	9.483	9.483	(0.820)	36236	10.0000	10.2244
	22 2-Butanone	43	9.483	9.483	(0.820)	13755	10.0000	10.5015 (M) (1) see below
	23 Bromochloromethane	128	9.900	9.900	(0.856)	16749	10.0000	10.8314
	24 Chloroform (*)	83	10.015	10.015	(0.866)	77647	10.0000	10.6440
	25 1,1,1-Trichloroethane	97	10.367	10.367	(0.897)	70564	10.0000	10.5488
	27 Carbon Tetrachloride	117	10.662	10.662	(0.922)	57374	10.0000	9.95712
	28 1,1-Dichloropropene	75	10.640	10.640	(0.920)	52068	10.0000	9.95206
$	29 1,2-Dichloroethane-d4	65	10.863	10.863	(0.940)	50658	10.0000	11.1698
	30 Benzene	78	10.992	10.992	(0.951)	149815	10.0000	10.4810
	31 1,2-Dichloroethane	62	10.992	10.992	(0.951)	63441	10.0000	10.7170
*	32 1,4-Difluorobenzene	114	11.560	11.560	(1.000)	570516	50.0000	
	33 Trichloroethene	95	12.027	12.027	(1.040)	44383	10.0000	10.4346
	34 1,2-Dichloropropane(*)	63	12.379	12.379	(1.071)	33358	10.0000	10.0644
	35 1,4-Dioxane	88	12.580	12.580	(1.088)	6097	250.000	221.709
	36 Dibromomethane	93	12.580	12.580	(1.088)	22278	10.0000	10.6062
	37 Bromodichloromethane	83	12.803	12.803	(1.108)	51847	10.0000	9.98242
	38 2-Chloroethyl vinyl ether	63	13.227	13.227	(1.144)	11629	10.0000	7.65542 (M) (2)
	39 cis-1,3-Dichloropropene (xtr)	75	13.500	13.500	(1.168)	53489	10.0000	9.71227
	40 4-Methyl-2-pentanone	43	13.701	13.701	(1.185)	21313	10.0000	8.59242
$	41 Toluene-d8	98	13.953	13.953	(1.207)	132608	10.0000	10.0758
	42 Toluene (*)	92	14.054	14.054	(1.216)	93777	10.0000	10.0768
	43 trans-1,3-Dichloropropene(xt)	75	14.348	14.348	(1.241)	50117	10.0000	9.49561
	44 1,1,2-Trichloroethane	97	14.650	14.650	(1.267)	28888	10.0000	10.2676
	45 Tetrachloroethene	166	14.938	14.938	(0.922)	36831	10.0000	10.0335
	46 1,3-Dichloropropane	76	14.923	14.923	(0.921)	53655	10.0000	10.3579
	47 2-Hexanone	43	14.995	14.995	(0.925)	15380	10.0000	8.78395
	48 Dibromochloromethane	129	15.297	15.297	(0.944)	32764	10.0000	10.1002
	49 1,2-Dibromoethane	107	15.505	15.505	(0.957)	28452	10.0000	10.2077
*	50 Chlorobenzene-d5	117	16.210	16.210	(1.000)	471974	50.0000	
	51 Chlorobenzene (**)	112	16.260	16.260	(1.003)	105655	10.0000	10.5062
	52 1-Chlorohexane	91	16.159	16.159	(0.997)	40750	10.0000	8.87198
	53 1,1,1,2-Tetrachloroethane	131	16.368	16.368	(1.010)	34699	10.0000	9.90480
	54 Ethylbenzene (*)	106	16.396	16.396	(1.012)	57797	10.0000	10.2096
M	132 Xylenes (Total)	106				211998	30.0000	30.4224
	55 Xylenes (m,p)	106	16.576	16.576	(1.023)	143224	20.0000	20.2668
	56 Xylene (o)	106	17.201	17.201	(1.061)	68774	10.0000	10.1556
	57 Styrene	104	17.216	17.216	(1.062)	111391	10.0000	9.88708
	58 Bromoform (**)	173	17.532	17.532	(1.082)	16993	10.0000	9.20689
	59 Isopropylbenzene	105	17.755	17.755	(1.095)	176643	10.0000	10.0081
$	60 4-Bromofluorobenzene	95	18.013	18.013	(1.111)	53027	10.0000	10.2548
	61 Bromobenzene	156	18.286	18.286	(0.923)	40714	10.0000	10.4373
	62 1,1,2,2-Tetrachloroethane(**)	83	18.179	18.179	(0.918)	34380	10.0000	10.3984
	63 1,2,3-Trichloropropane	75	18.272	18.272	(0.922)	42543	10.0000	10.7917
	64 N-Propylbenzene	91	18.387	18.387	(0.928)	237549	10.0000	10.4525

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
65 2-Chlorotoluene	91	18.559	18.559	(0.937)	142730	10.0000	10.5591
66 4-Chlorotoluene	91	18.718	18.718	(0.945)	153647	10.0000	10.6385
67 1,3,5-Trimethylbenzene	105	18.646	18.646	(0.941)	163495	10.0000	10.3799
68 T-Butylbenzene	119	19.170	19.170	(0.968)	135792	10.0000	10.3519(M)
69 1,2,4-Trimethylbenzene	105	19.235	19.235	(0.971)	169850	10.0000	10.5341
70 Sec-Butylbenzene	105	19.508	19.508	(0.985)	208702	10.0000	10.4906
71 1,3-Dichlorobenzene	146	19.716	19.716	(0.995)	89802	10.0000	10.4488
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.810	(1.000)	254651	50.0000	
73 P-Isopropyltoluene	119	19.709	19.709	(0.995)	173801	10.0000	10.2984
74 1,4-Dichlorobenzene	146	19.846	19.846	(1.002)	89657	10.0000	10.5519
75 1,2-Dichlorobenzene	146	20.442	20.442	(1.032)	81660	10.0000	10.5150
76 N-Butylbenzene	91	20.342	20.342	(1.027)	180779	10.0000	10.2882
77 1,2-Dibromo-3-chloropropane	75	21.642	21.642	(1.093)	8986	10.0000	10.6542
78 1,2,4-Trichlorobenzene	180	23.130	23.130	(1.168)	48222	10.0000	9.63889
79 Hexachlorobutadiene	225	23.439	23.439	(1.183)	28284	10.0000	9.96110
80 Napthalene	128	23.640	23.640	(1.193)	123665	10.0000	10.3721
81 1,2,3-Trichlorobenzene	180	24.158	24.158	(1.219)	47621	10.0000	10.1269

(2) SOB 11/6/00

QC Flag Legend

M - Compound response manually integrated.

MANUAL EDIT CODES
1. PEAK NOT FOUND
2. POOR CHROMATOGRAPHY
3. WRONG ISOMER
ALL MANUAL EDITS MUST BE INITIALED, DATED, AND CODED.

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71102.b\V7467.D
Lab Smp Id: VSTD010
Inj Date : 02-NOV-2000 14:56
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD010;Barmbys;1;;2;;1
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71102.b\8260S.m
Meth Date : 02-Nov-2000 15:21 auto Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
1 Dichlorodifluoromethane	85	3.490	3.483	(0.302)	42796	10.0000	14.2942
2 Chloromethane (**)	50	3.820	3.820	(0.330)	48934	10.0000	14.4986
3 Vinyl Chloride (*)	62	4.007	4.014	(0.347)	51402	10.0000	14.8956
4 Bromomethane	94	4.603	4.597	(0.398)	32149	10.0000	14.8334
5 Chloroethane	64	4.776	4.769	(0.413)	30131	10.0000	14.8356
6 Trichlorofluoromethane	101	5.243	5.236	(0.454)	83647	10.0000	15.2867
8 1,1-Dichloroethene(*)	96	6.249	6.242	(0.541)	40873	10.0000	13.6507
9 Trichlorotrifluoroethane	101	6.220	6.221	(0.538)	37784	10.0000	14.5586
10 Acetone	43.00	Compound Not Detected.					
11 Carbon disulfide	76	6.731	6.731	(0.582)	97713	10.0000	13.6467
12 Methylene Chloride	84	7.162	7.155	(0.620)	43684	10.0000	14.5763
13 Hexane	57	8.189	8.183	(0.708)	38424	10.0000	9.93692
14 trans-1,2-Dichloroethene	96	7.686	7.687	(0.665)	42851	10.0000	12.8868
M 131 1,2-Dichloroethane (Total)	96				79087	10.0000	23.2311
15 Methyl-t-butyl-ether	73	7.679	7.672	(0.664)	95480	10.0000	14.9745

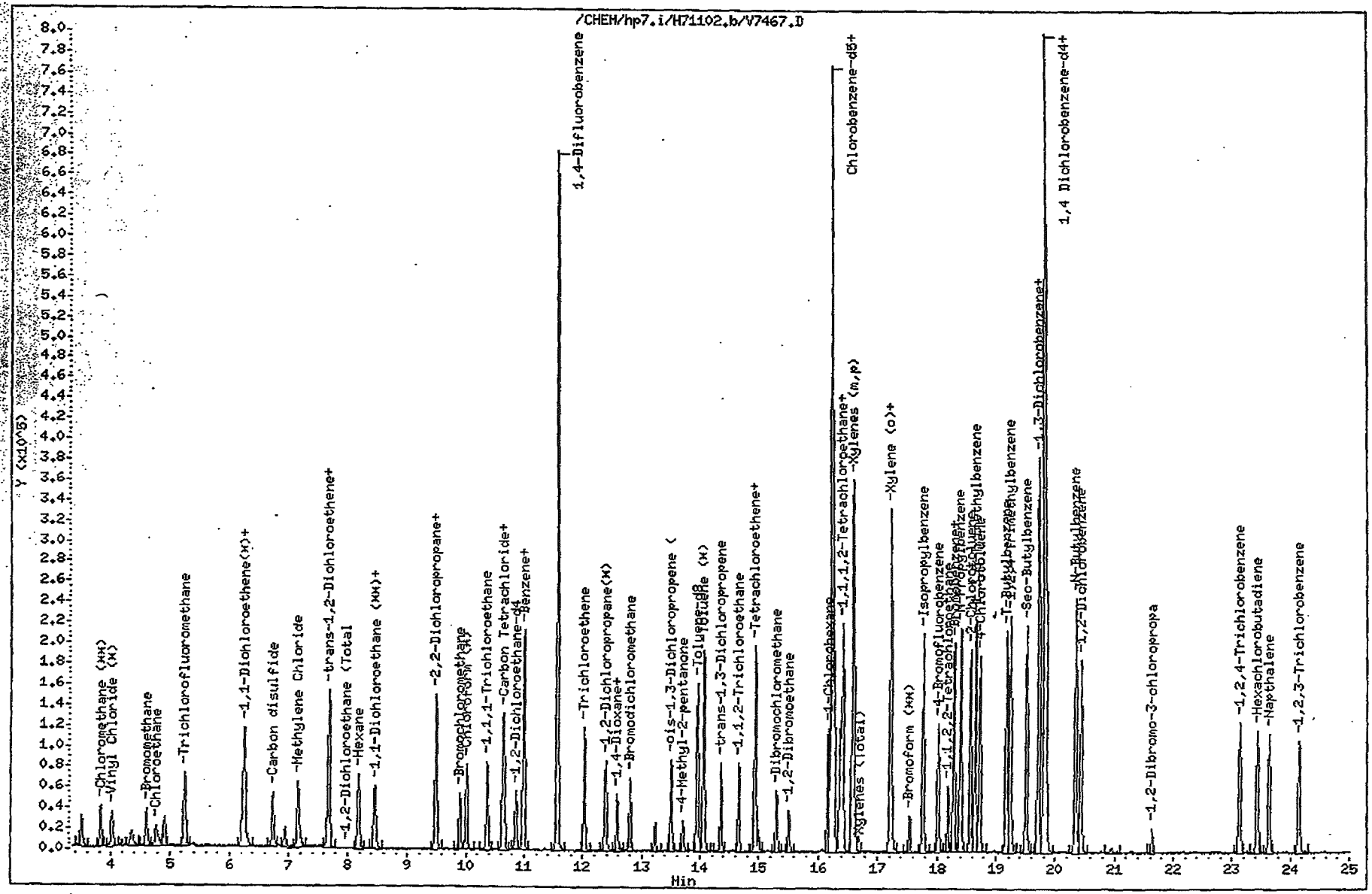
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
17 1,1-Dichloroethane (**)	63	8.455	8.448	(0.731)	74960	10.0000	11.8526
18 Vinyl acetate	43	8.498	8.499	(0.735)	9939	10.0000	10.2139
20 2,2-Dichloropropane	77	9.490	9.490	(0.821)	65047	10.0000	11.9135
21 cis 1,2-Dichloroethene	96	9.483	9.483	(0.820)	36236	10.0000	10.3442
22 2-Butanone	43.00	Compound Not Detected.					
23 Bromochloromethane	128	9.900	9.900	(0.856)	16749	10.0000	10.4325
24 Chloroform (*)	83	10.015	10.008	(0.866)	77647	10.0000	12.0894
25 1,1,1-Trichloroethane	97	10.367	10.367	(0.897)	70564	10.0000	12.2812
27 Carbon Tetrachloride	117	10.662	10.662	(0.922)	57374	10.0000	12.1257
28 1,1-Dichloropropene	75	10.640	10.640	(0.920)	52068	10.0000	10.5210
$ 29 1,2-Dichloroethane-d4	65	10.863	10.863	(0.940)	50658	10.0000	14.2254
30 Benzene	78	10.992	10.992	(0.951)	149815	10.0000	11.0401
31 1,2-Dichloroethane	62	10.992	10.992	(0.951)	63441	10.0000	13.5246
* 32 1,4-Difluorobenzene	114	11.560	11.560	(1.000)	570516	50.0000	
33 Trichloroethene	95	12.027	12.027	(1.040)	44383	10.0000	11.0847
34 1,2-Dichloropropane(*)	63	12.379	12.379	(1.071)	33358	10.0000	10.5756
35 1,4-Dioxane	88	12.580	12.581	(1.088)	6097	250.000	242.293
36 Dibromomethane	93	12.580	12.573	(1.088)	22278	10.0000	11.8640
37 Bromodichloromethane	83	12.803	12.803	(1.108)	51847	10.0000	11.4924
38 2-Chloroethyl vinyl ether	63.00	Compound Not Detected.					
39 cis-1,3-Dichloropropene (Xtr)	75	13.500	13.500	(1.168)	53489	10.0000	10.3220
40 4-Methyl-2-pentanone	43	13.701	13.702	(1.185)	21313	10.0000	9.95798
$ 41 Toluene-d8	98	13.953	13.946	(1.207)	132608	10.0000	11.0484
42 Toluene (*)	92	14.054	14.054	(1.216)	93777	10.0000	10.6054
43 trans-1,3-Dichloropropene(xt)	75	14.348	14.348	(1.241)	50117	10.0000	10.7688
44 1,1,2-Trichloroethane	97	14.650	14.650	(1.267)	28888	10.0000	11.0899
45 Tetrachloroethene	166	14.938	14.931	(0.922)	36831	10.0000	9.18687
46 1,3-Dichloropropane	76	14.923	14.923	(0.921)	53655	10.0000	11.1206
47 2-Hexanone	43	14.995	14.995	(0.925)	15380	10.0000	10.2817
48 Dibromochloromethane	129	15.297	15.297	(0.944)	32764	10.0000	10.7481
49 1,2-Dibromoethane	107	15.505	15.505	(0.957)	28452	10.0000	10.4279
* 50 Chlorobenzene-d5	117	16.210	16.210	(1.000)	471974	50.0000	
51 Chlorobenzene (**)	112	16.260	16.260	(1.003)	105655	10.0000	10.5795
52 1-Chlorohexane	91	16.159	16.159	(0.997)	40750	10.0000	9.06082
53 1,1,1,2-Tetrachloroethane	131	16.368	16.361	(1.010)	34699	10.0000	10.4445
54 Ethylbenzene (*)	106	16.396	16.397	(1.012)	57797	10.0000	10.3799
M 132 Xylenes (Total)	106				211998	30.0000	31.5220
55 Xylenes (m,p)	106	16.576	16.576	(1.023)	143224	20.0000	20.9851
56 Xylene (o)	106	17.201	17.201	(1.061)	68774	10.0000	10.5369
57 Styrene	104	17.216	17.209	(1.062)	111391	10.0000	10.3782
58 Bromoform (**)	173	17.532	17.532	(1.082)	16993	10.0000	9.47426
59 Isopropylbenzene	105	17.755	17.755	(1.095)	176643	10.0000	10.5678
$ 60 4-Bromofluorobenzene	95	18.013	18.014	(1.111)	53027	10.0000	11.5254
61 Bromobenzene	156	18.286	18.279	(0.923)	40714	10.0000	9.91958
62 1,1,2,2-Tetrachloroethane(**)	83	18.179	18.179	(0.918)	34380	10.0000	11.2006
63 1,2,3-Trichloropropane	75	18.272	18.272	(0.922)	42543	10.0000	12.3005
64 N-Propylbenzene	91	18.387	18.387	(0.928)	237549	10.0000	11.1450

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
65 2-Chlorotoluene	91	18.559	18.560	(0.937)	142730	10.0000	11.3915
66 4-Chlorotoluene	91	18.718	18.718	(0.945)	153647	10.0000	11.6689
67 1,3,5-Trimethylbenzene	105	18.646	18.646	(0.941)	163495	10.0000	10.9591
68 T-Butylbenzene	119	19.170	19.163	(0.968)	152227	10.0000	12.0332
69 1,2,4-Trimethylbenzene	105	19.235	19.235	(0.971)	169850	10.0000	11.3214
70 Sec-Butylbenzene	105	19.508	19.501	(0.985)	208702	10.0000	11.1489
71 1,3-Dichlorobenzene	146	19.716	19.717	(0.995)	89802	10.0000	10.7097
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.810	(1.000)	254651	50.0000	
73 P-Isopropyltoluene	119	19.709	19.710	(0.995)	173801	10.0000	10.8506
74 1,4-Dichlorobenzene	146	19.846	19.853	(1.002)	89657	10.0000	10.7139
75 1,2-Dichlorobenzene	146	20.442	20.435	(1.032)	81660	10.0000	10.7122
76 N-Butylbenzene	91	20.342	20.342	(1.027)	180779	10.0000	11.3972
77 1,2-Dibromo-3-chloropropane	75	21.642	21.635	(1.093)	8986	10.0000	13.1547
78 1,2,4-Trichlorobenzene	180	23.130	23.130	(1.168)	48222	10.0000	8.89600
79 Hexachlorobutadiene	225	23.439	23.432	(1.183)	28284	10.0000	9.30602
80 Napthalene	128	23.640	23.640	(1.193)	123665	10.0000	10.3778
81 1,2,3-Trichlorobenzene	180	24.158	24.151	(1.219)	47621	10.0000	9.57822

Data File: /CHEM/hp7.i/H71102.b/V7467.D
Date : 02-NOV-2000 14:56
Client ID:
Sample Info: VSTD010;Barmbys;1;;2;;1

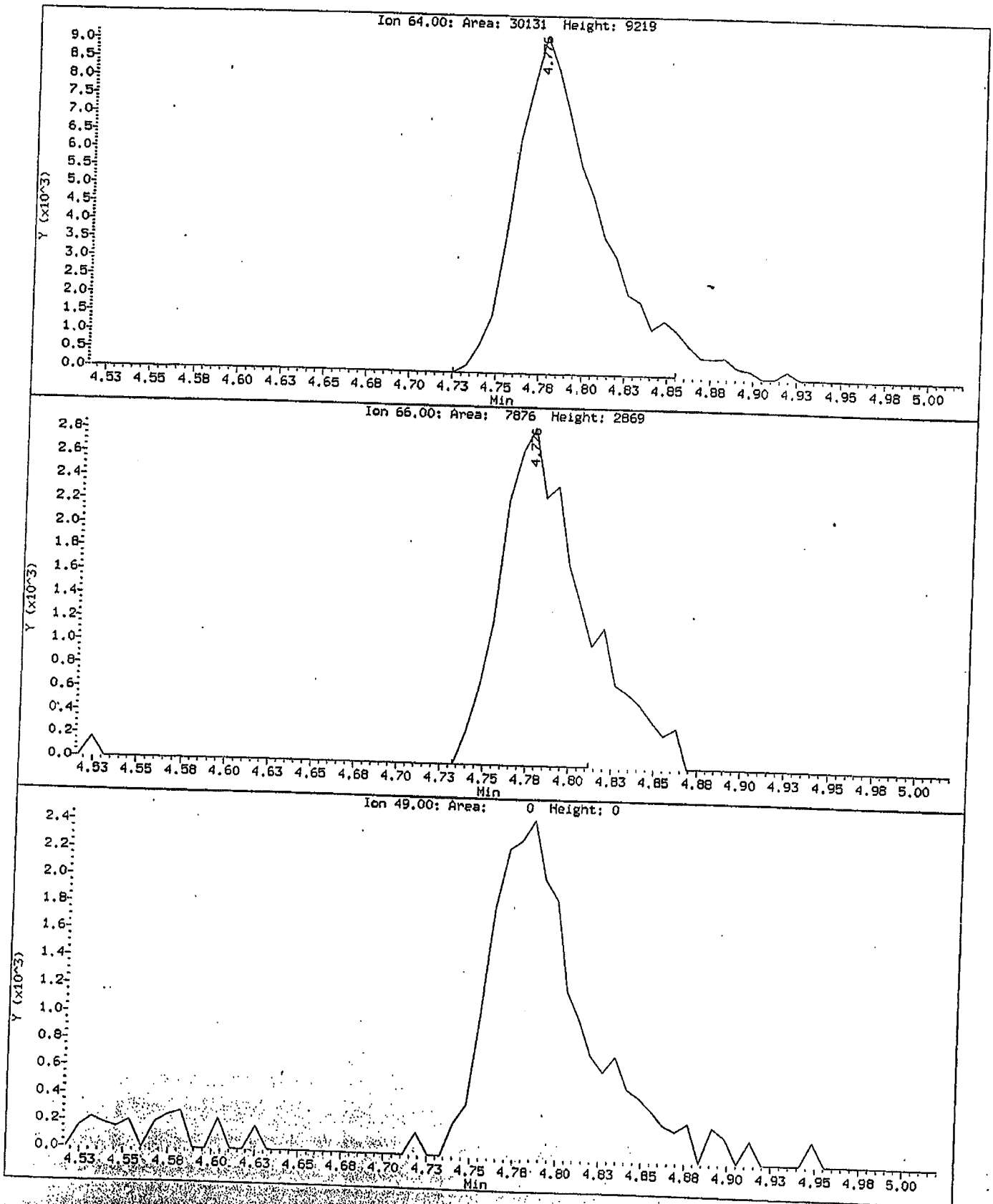
Instrument: hp7.i
Operator: Barmbys
Column diameter: 0.53

Column phase:



Data File: /chem/hp7.i/H71102.b/V7467.D
Injection Date: 02-NOV-2000 14:56
Instrument: hp7.i
Client Sample ID:

Compound: Chloroethane
CAS Number: 75-00-3

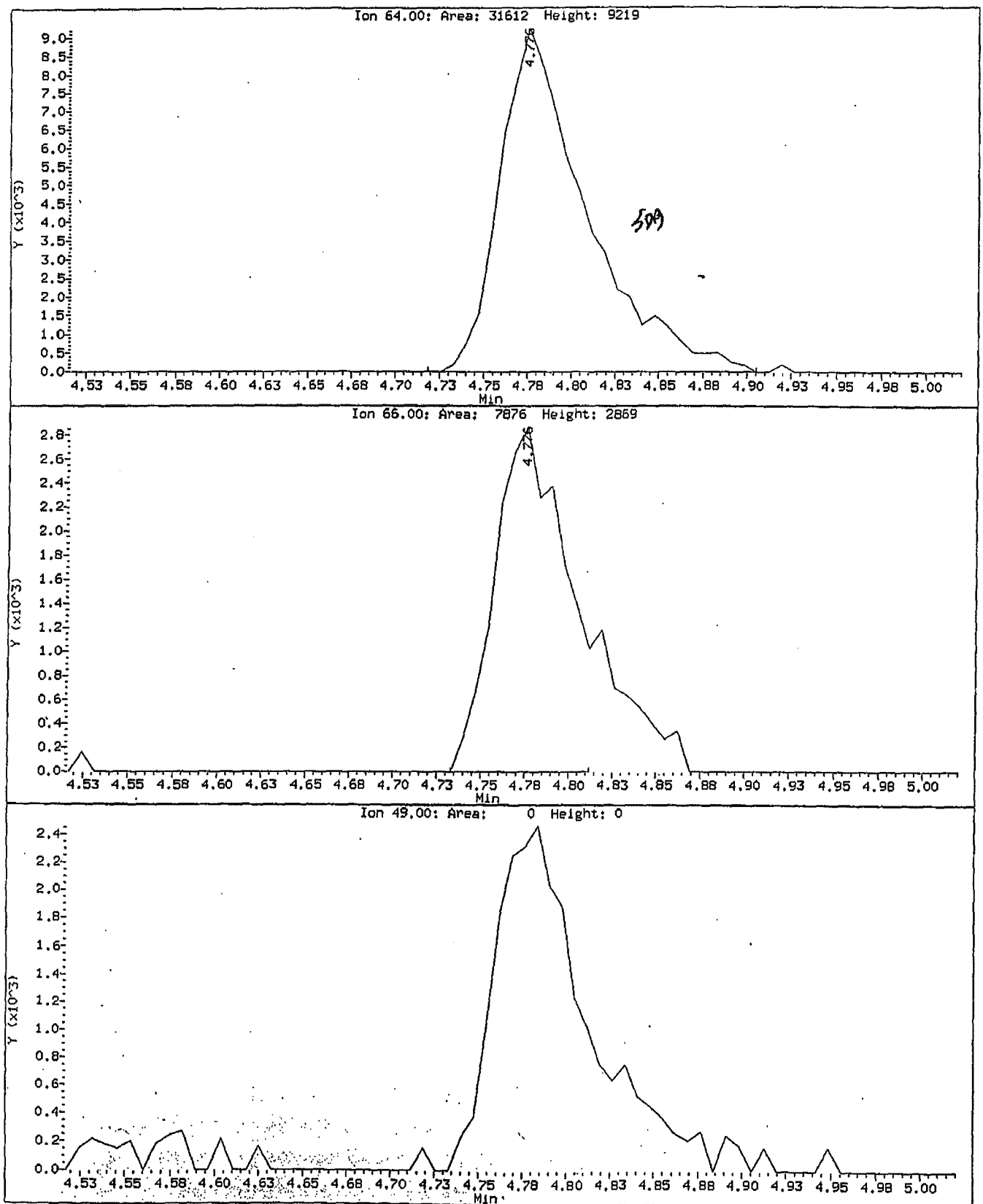


001908

BOE-C6-0175446

Data File: /chem/hp7.i/H71102.b/V7467.D
Injection Date: 02-NOV-2000 14:56
Instrument: hp7.i
Client Sample ID:

Compound: Chloroethane
CAS Number: 75-00-3



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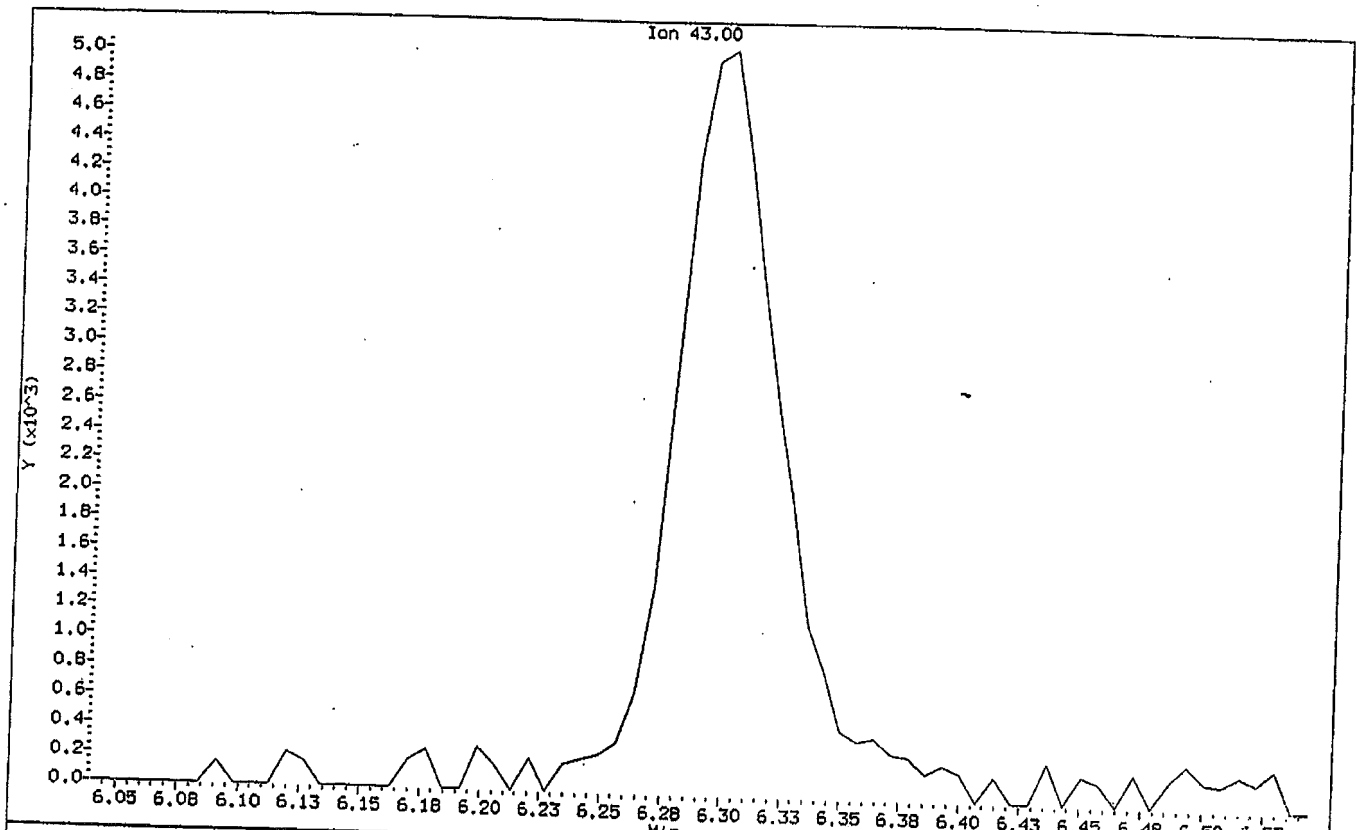
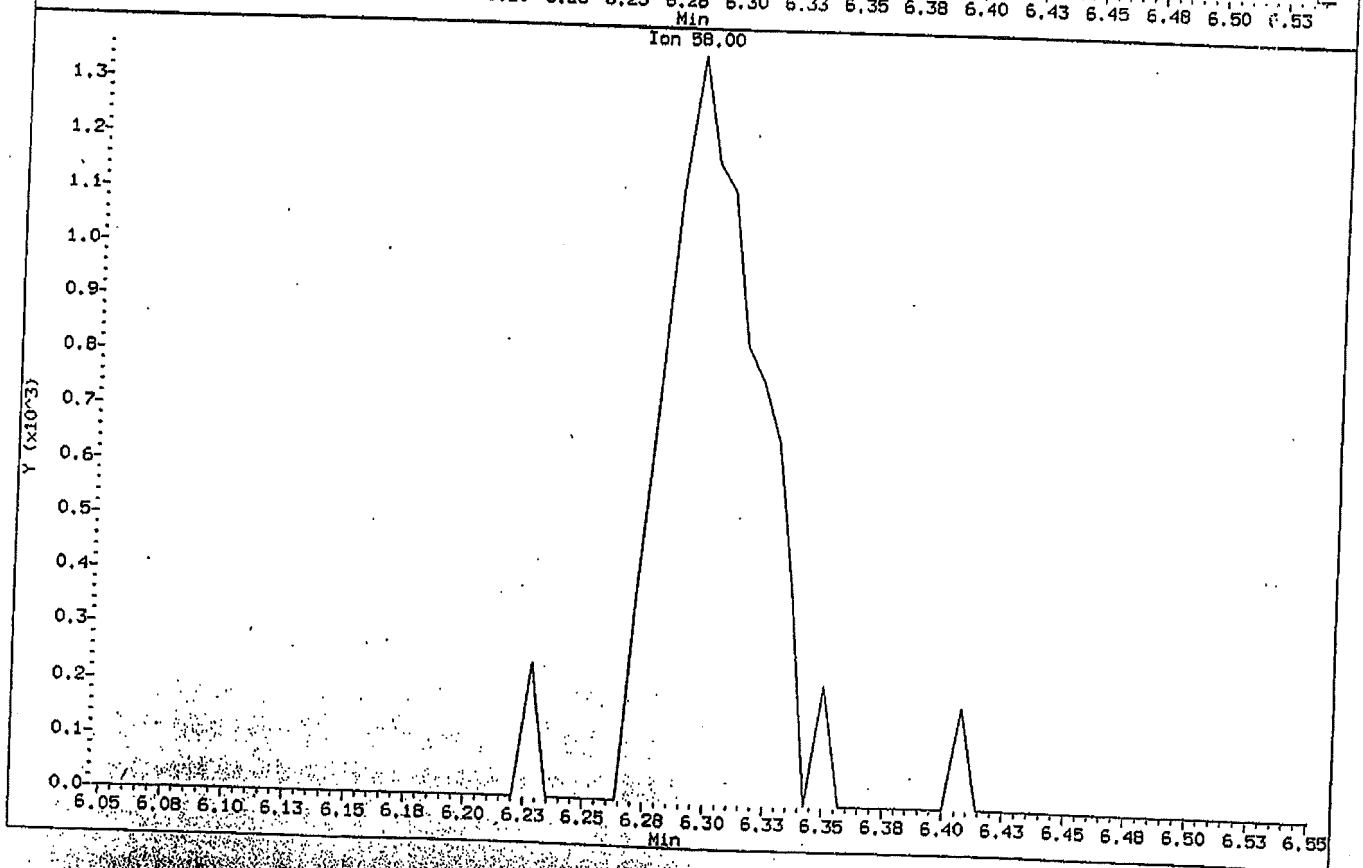
Injection Date: 02-NOV-2000 14:56
Instrument: hp7.i
Client Sample ID:

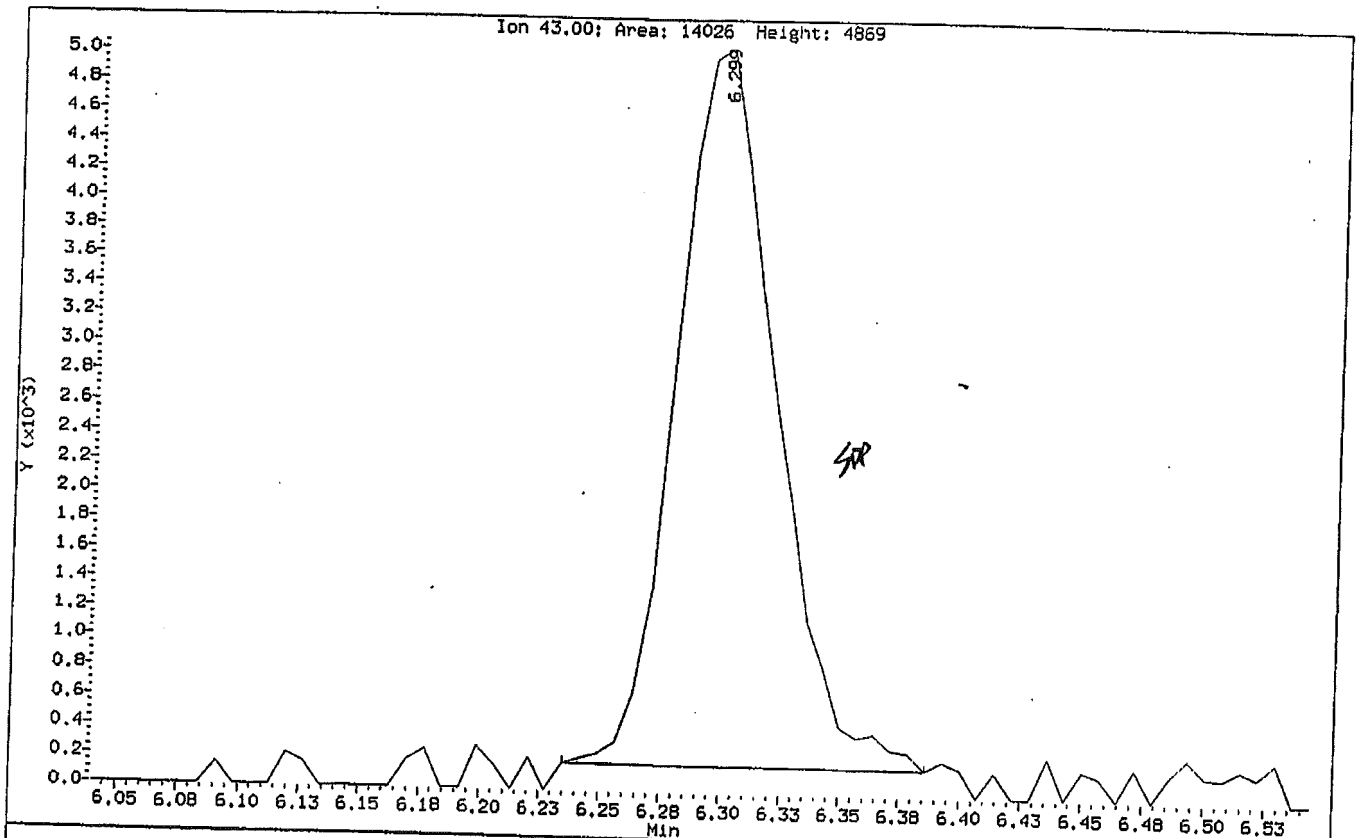
Compound: Acetone
CAS Number: 67-64-1

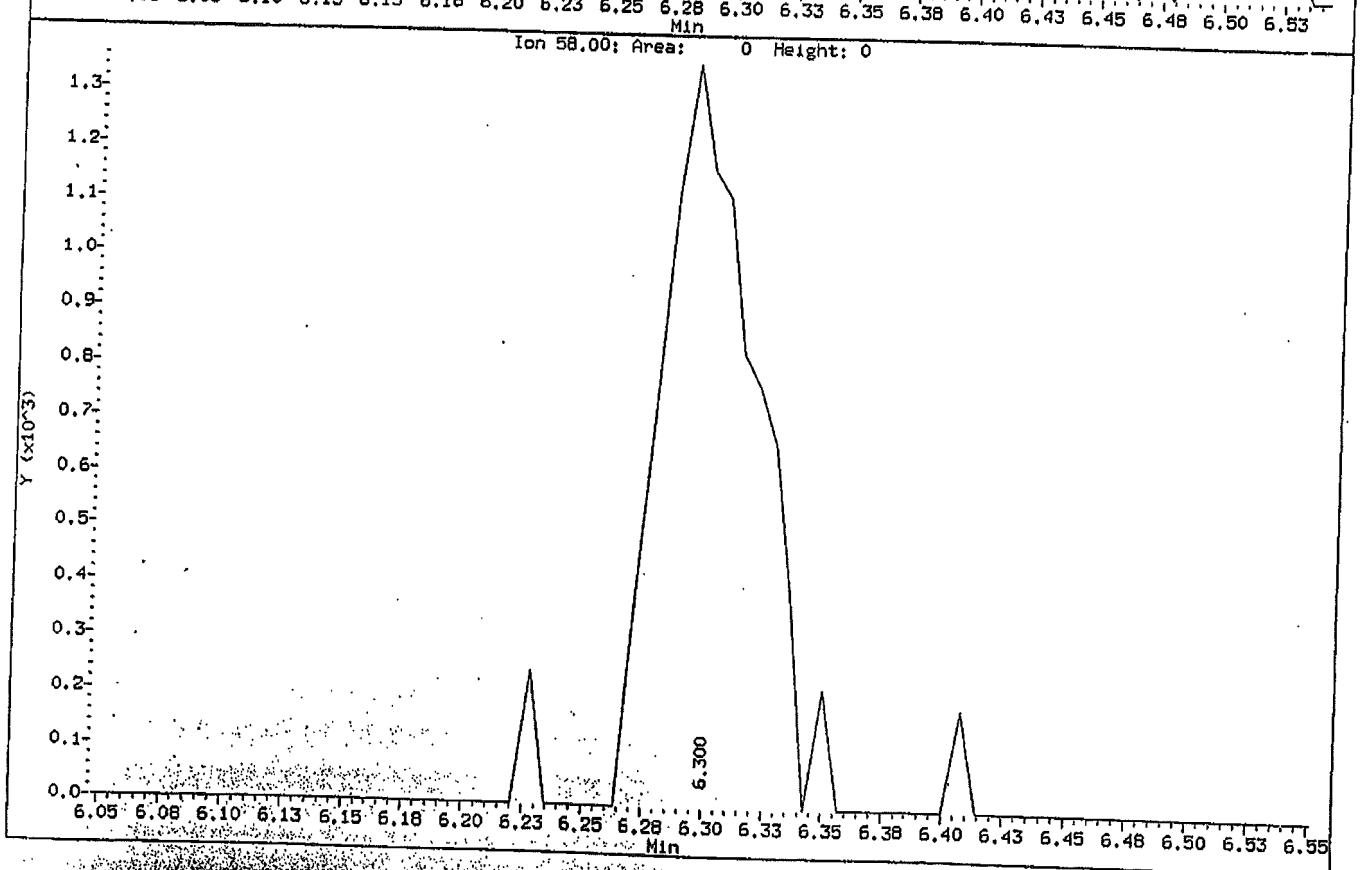




Data File: /chem/hp7.i/H71102.b/V7467.D
Injection Date: 02-NOV-2000 14:56
Instrument: hp7.i
Client Sample ID:

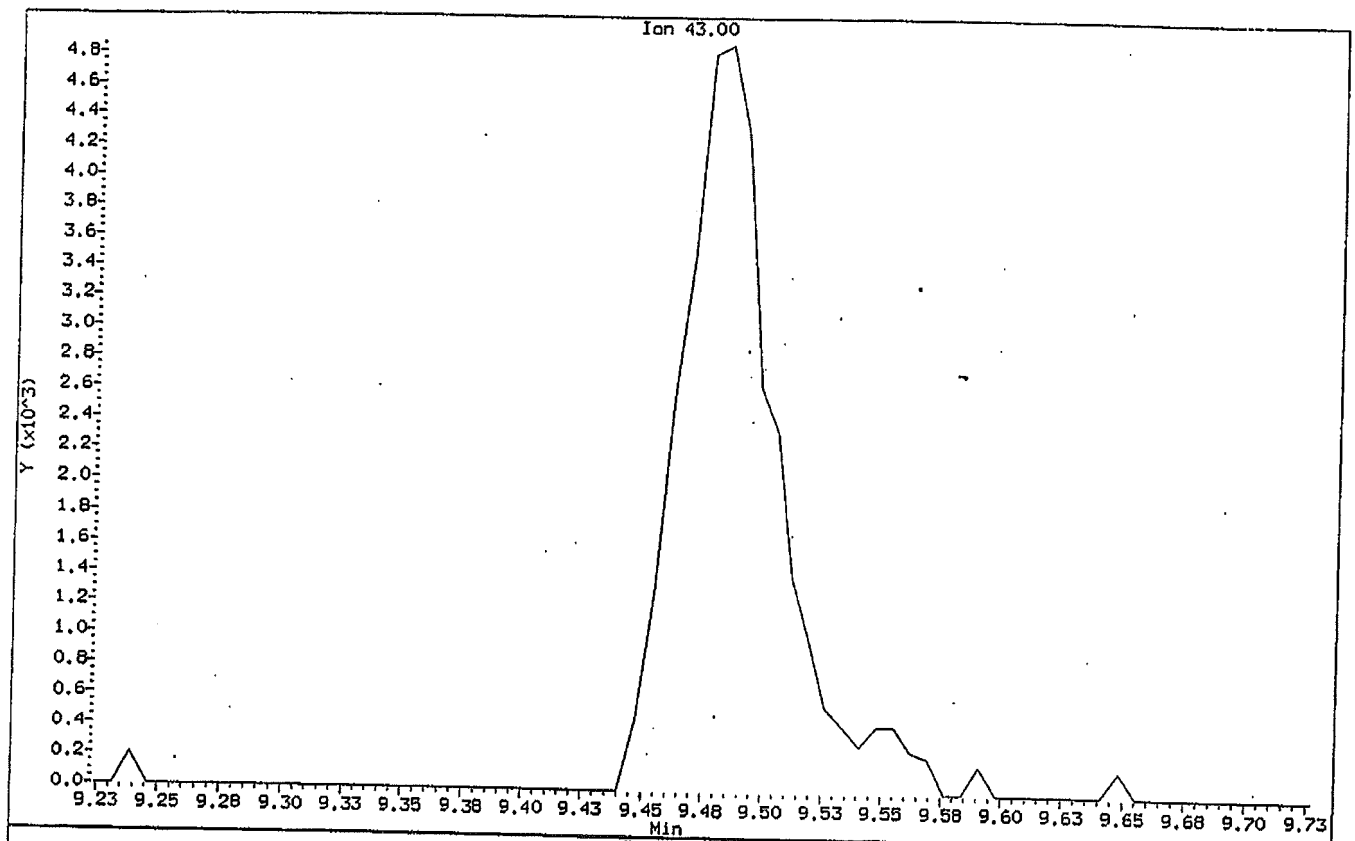
Compound: Acetone
CAS Number: 67-64-1

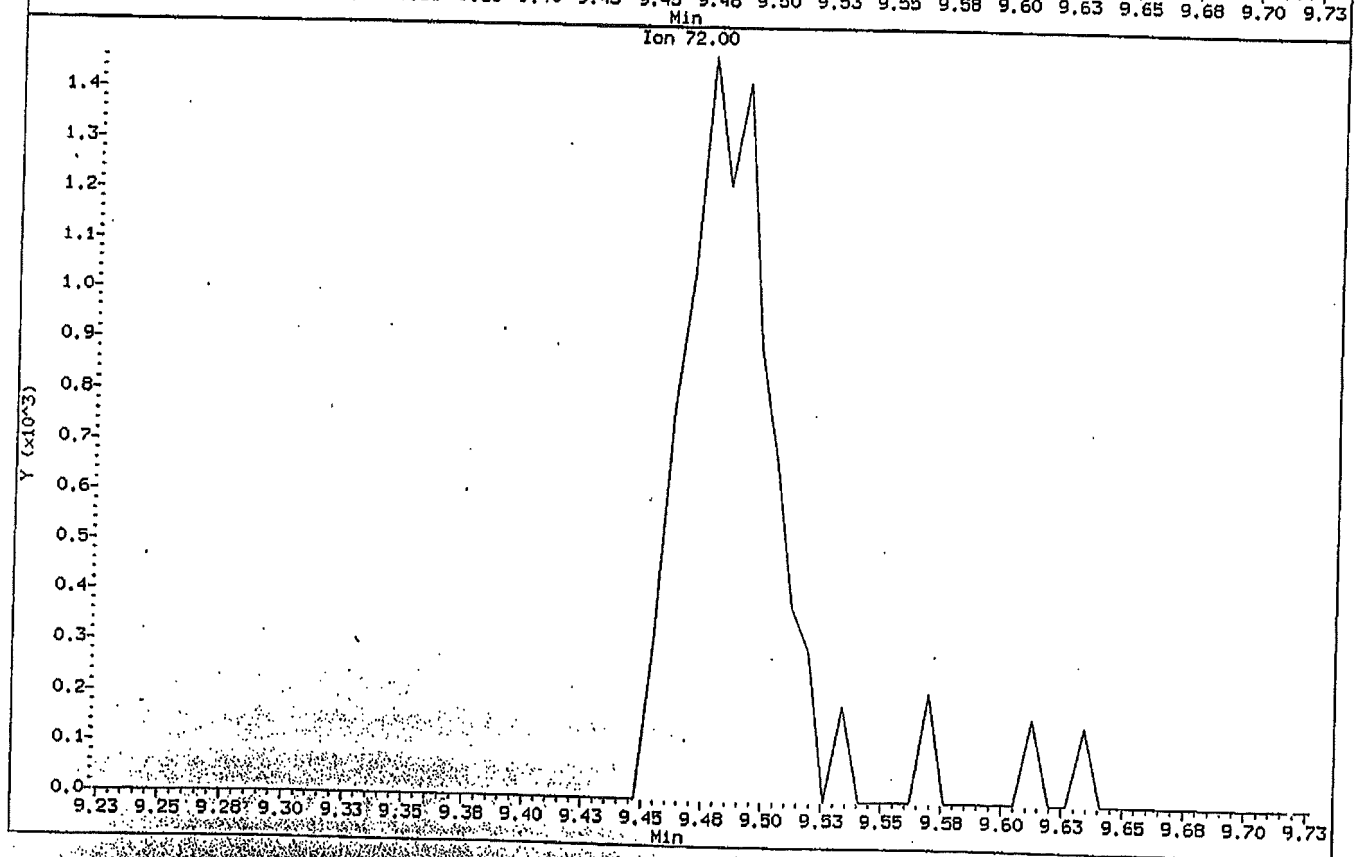




Data File: /chem/hp7.i/H71102.b/V7467.D
Injection Date: 02-NOV-2000 14:56
Instrument: hp7.i
Client Sample ID:

Compound: 2-Butanone
CAS Number: 78-93-3





Data File: /chem/hp7.i/H71102.b/V7467.D
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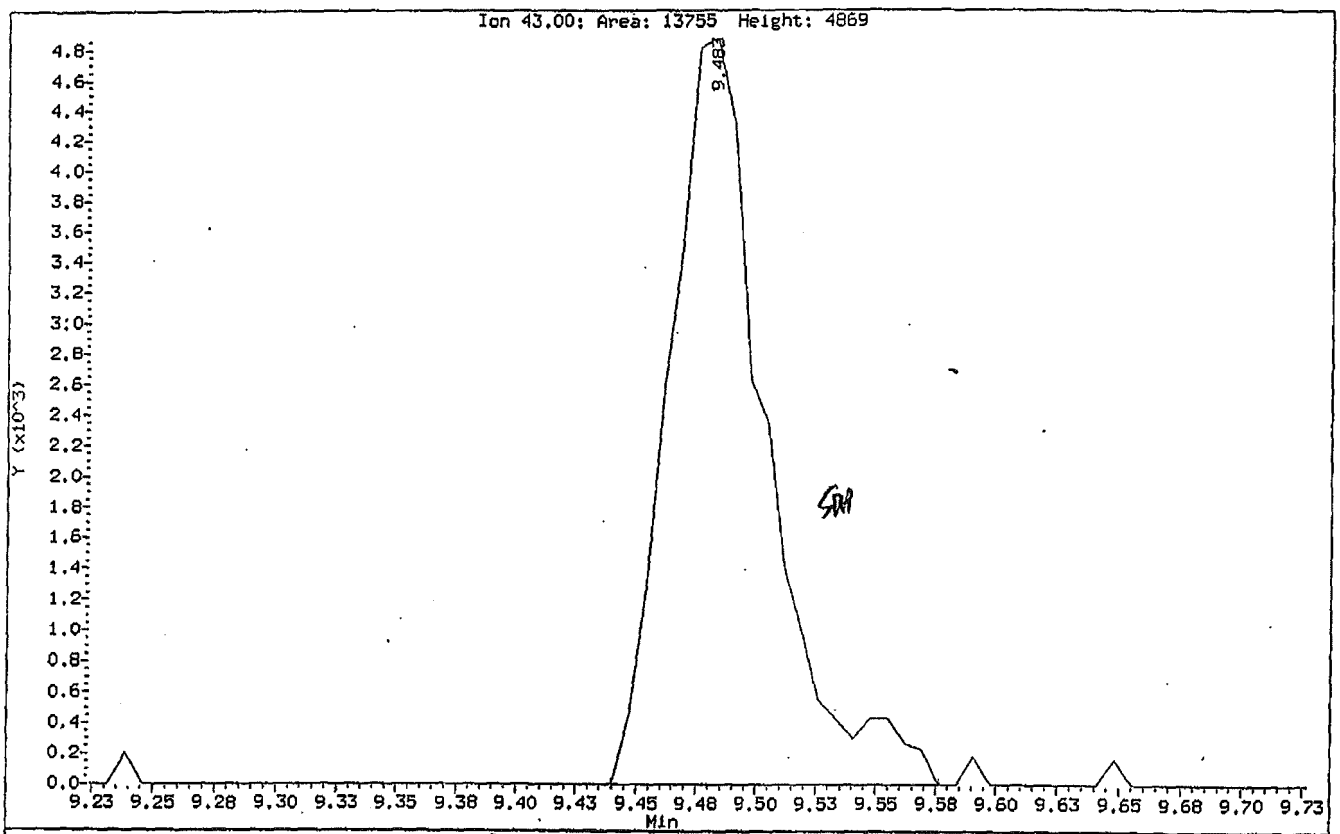
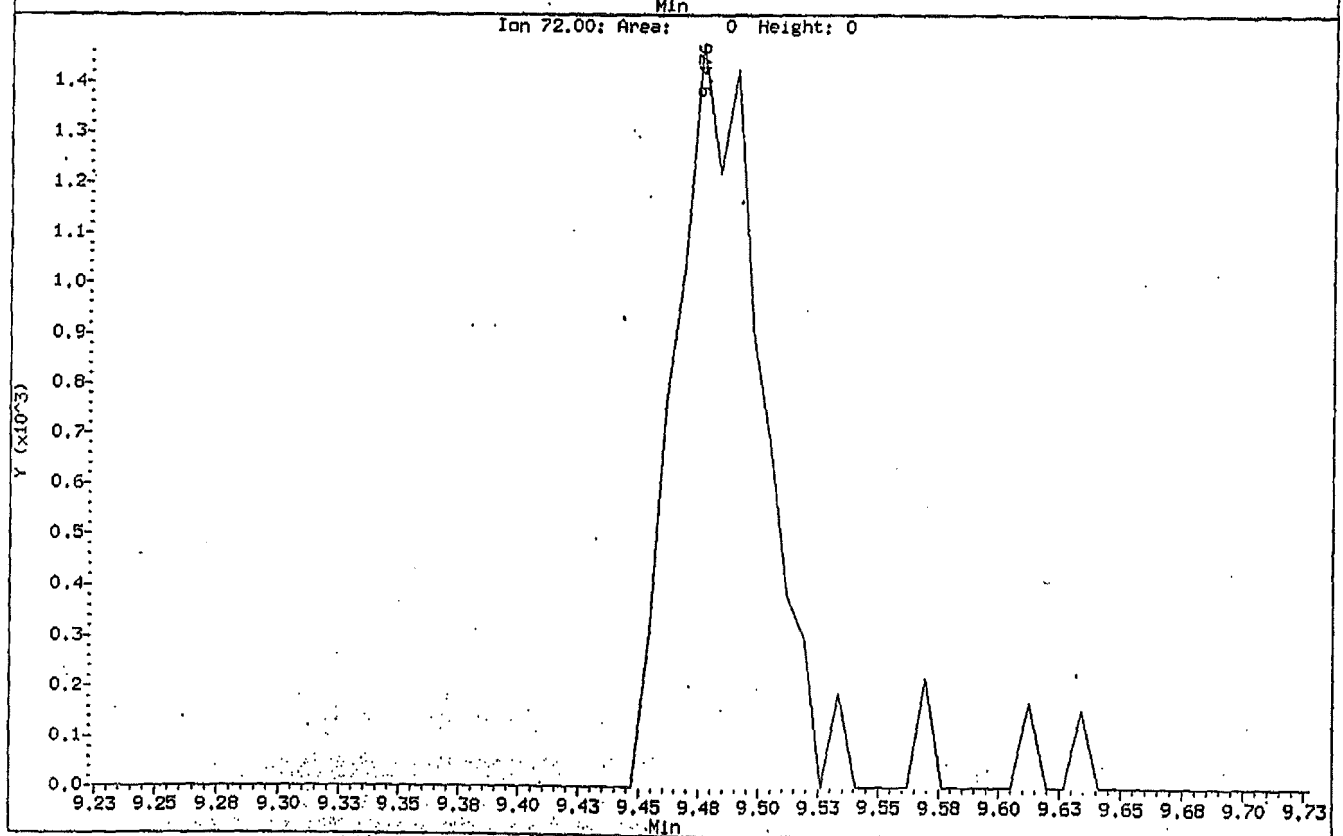
Instrument: hp7.i
Client Sample ID:

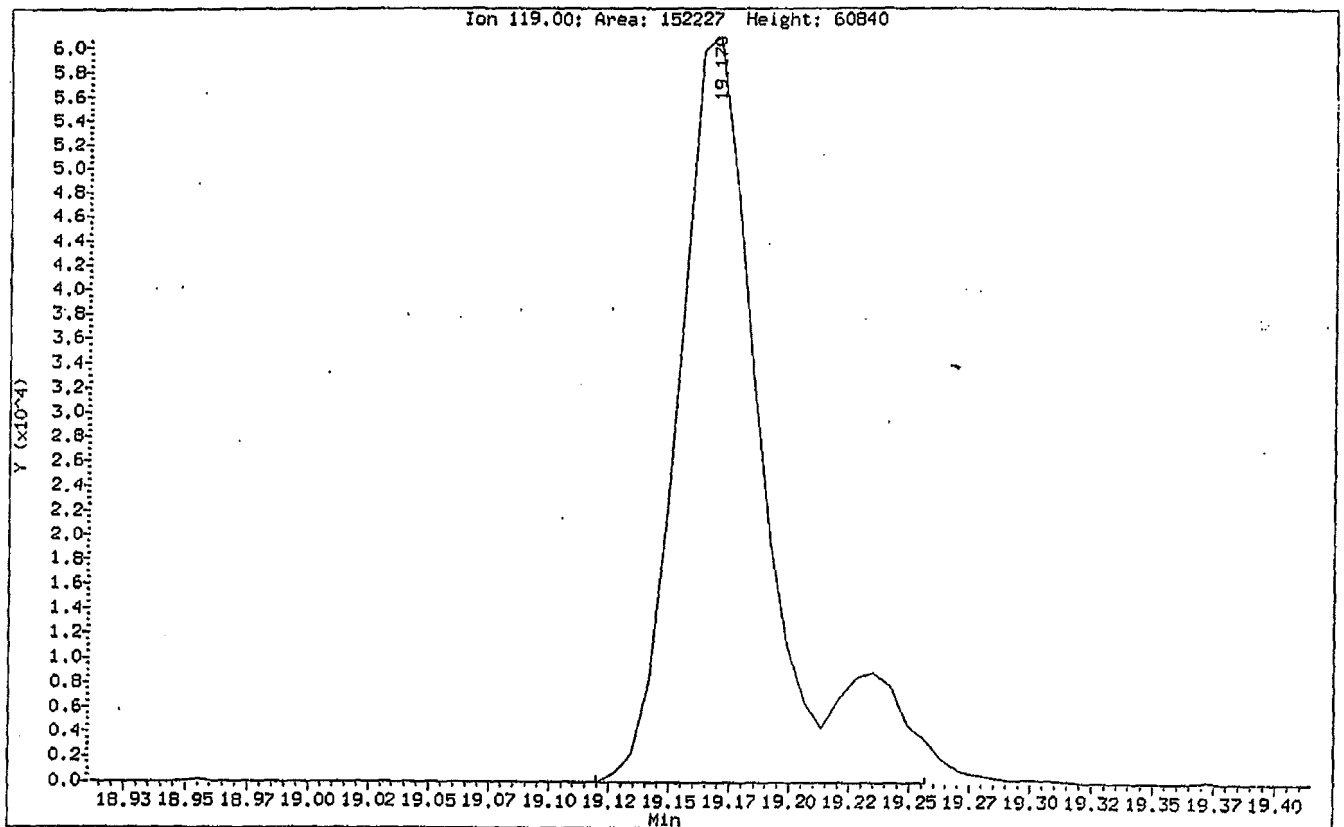
Compound: 2-Butanone
CAS Number: 78-93-3

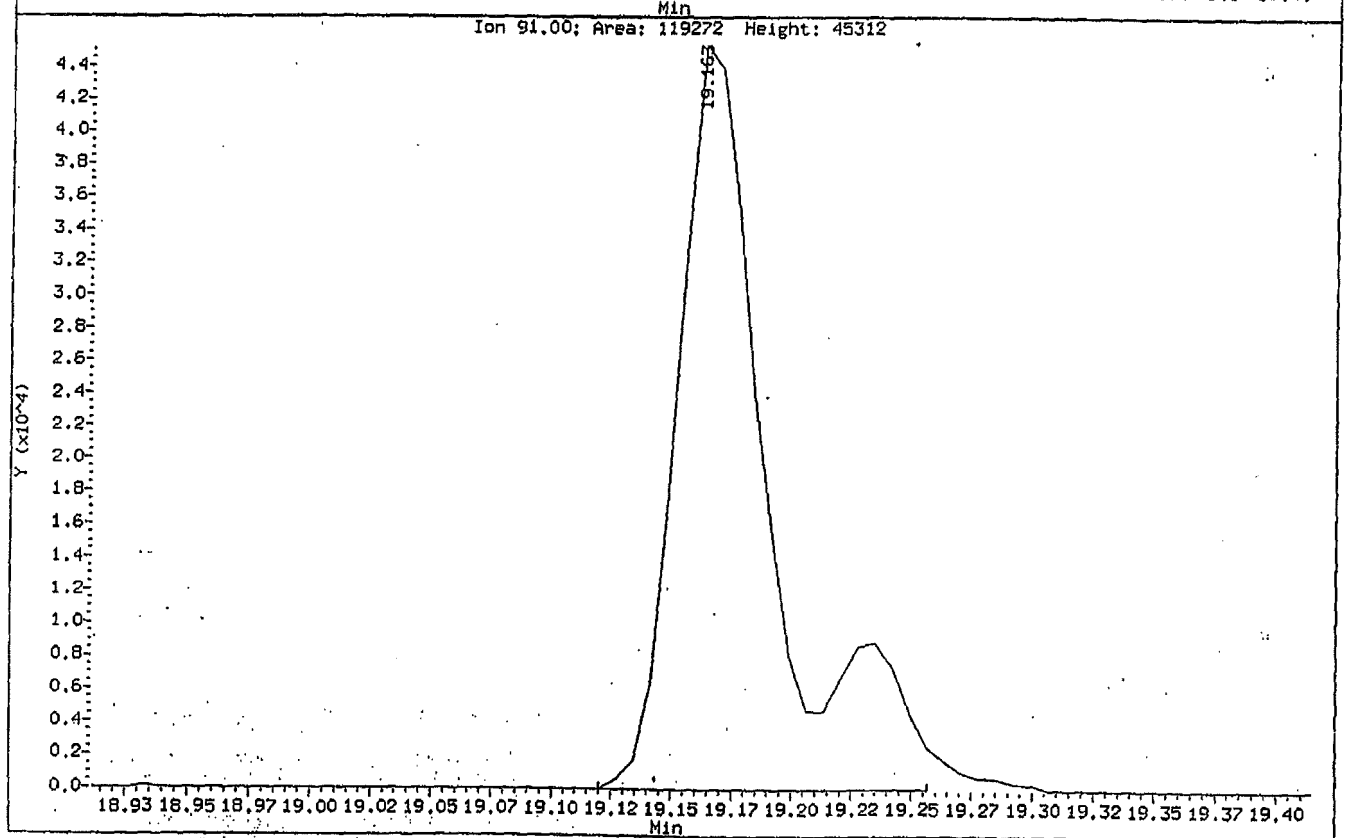




Data File: /chem/hp7.i/H71102.b/V7467.D
Injection Date: 02-NOV-2000 14:56
Instrument: hp7.i
Client Sample ID:

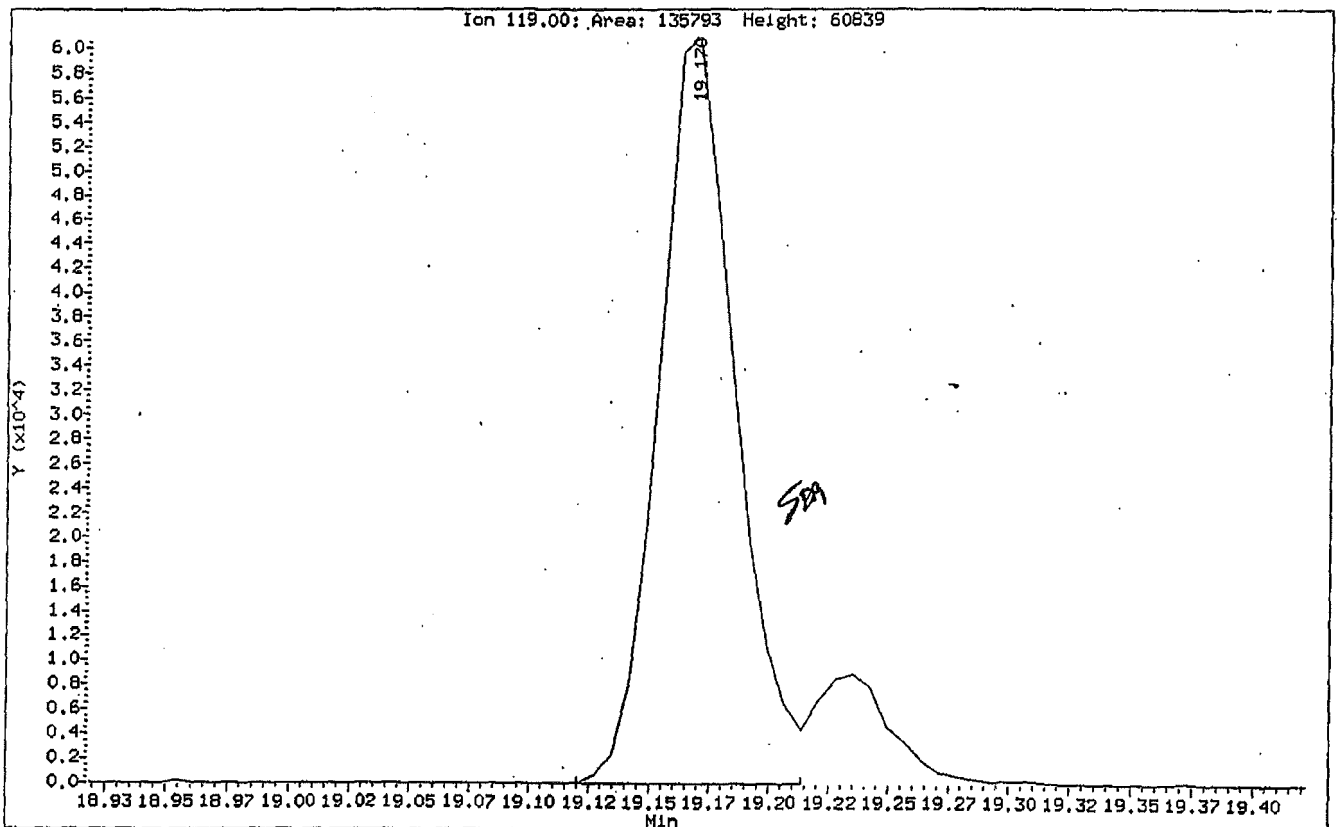
Compound: T-Butylbenzene
CAS Number: 98-06-6

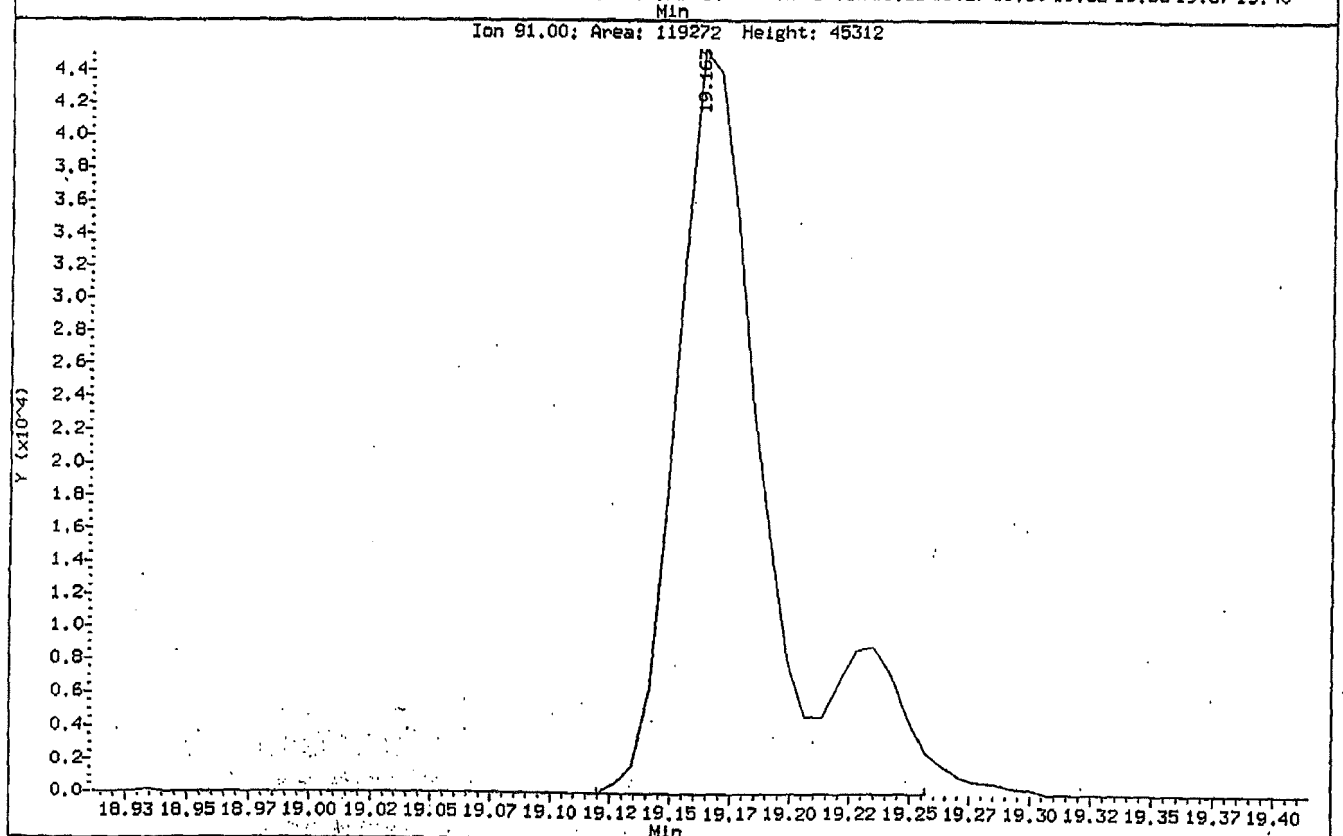




Data File: /chem/hp7.i/H71102.b/V7467.D
Injection Date: 02-NOV-2000 14:56
Instrument: hp7.i
Client Sample ID:

Compound: T-Butylbenzene
CAS Number: 98-06-6





STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71102.b\V7466.D
Lab Smp Id: VSTD020
Inj Date : 02-NOV-2000 14:25
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD020;Barmbys;1;;3;;1
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71102.b\8260S.m
Meth Date : 02-Nov-2000 14:50 auto Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
1 Dichlorodifluoromethane	85	3.490	3.483	(0.302)	88175	20.0000	28.3234
2 Chloromethane (**)	50	3.820	3.820	(0.330)	98092	20.0000	27.9506
3 Vinyl Chloride (*)	62	4.007	4.014	(0.347)	105766	20.0000	29.4758
4 Bromomethane	94	4.604	4.597	(0.398)	66447	20.0000	29.4842
5 Chloroethane	64	4.776	4.769	(0.413)	62122	20.0000	29.4157
6 Trichlorofluoromethane	101	5.243	5.236	(0.454)	172614	20.0000	30.3376
8 1,1-Dichloroethene(*)	96	6.249	6.242	(0.541)	83630	20.0000	26.8610
9 Trichlorotrifluoroethane	101	6.228	6.221	(0.539)	75996	20.0000	28.1607
10 Acetone	43	6.293	6.293	(0.544)	22849	20.0000	35.4402 (M) (1) SMP 11/2/00
11 Carbon disulfide	76	6.731	6.731	(0.582)	203985	20.0000	27.3977
12 Methylene Chloride	84	7.155	7.155	(0.619)	87105	20.0000	27.9517
13 Hexane	57	8.197	8.183	(0.709)	84702	20.0000	21.0661
14 trans-1,2-Dichloroethene	96	7.687	7.687	(0.665)	88557	20.0000	25.6124
M 131 1,2-Dichloroethane (Total)	96				165183	20.0000	46.6490
15 Methyl-t-butyl-ether	73	7.680	7.672	(0.664)	192600	20.0000	29.0495

(1)-peak not found

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
17 1,1-Dichloroethane (**)	63	8.456	8.448	(0.731)	151820	20.0000	23.0864
18 Vinyl acetate	43	8.506	8.499	(0.736)	25263	20.0000	24.9676
20 2,2-Dichloropropane	77	9.491	9.490	(0.821)	141693	20.0000	24.9576
21 cis 1,2-Dichloroethene	96	9.483	9.483	(0.820)	76626	20.0000	21.0366
22 2-Butanone	43	9.483	9.476	(0.820)	25563	20.0000	22.0385
23 Bromochloromethane	128	9.900	9.900	(0.856)	32817	20.0000	19.6581
24 Chloroform (*)	83	10.008	10.008	(0.866)	161291	20.0000	24.1508
25 1,1,1-Trichloroethane	97	10.367	10.367	(0.897)	146452	20.0000	24.5130
27 Carbon Tetrachloride	117	10.662	10.662	(0.922)	124937	20.0000	25.3936
28 1,1-Dichloropropene	75	10.640	10.640	(0.920)	116992	20.0000	22.7344
$ 29 1,2-Dichloroethane-d4	65	10.863	10.863	(0.940)	98073	20.0000	26.4856
30 Benzene	78	10.992	10.992	(0.951)	317962	20.0000	22.5338
31 1,2-Dichloroethane	62	10.992	10.992	(0.951)	129035	20.0000	26.4549
* 32 1,4-Difluorobenzene	114	11.560	11.560	(1.000)	593234	50.0000	
33 Trichloroethene	95	12.027	12.027	(1.040)	93441	20.0000	22.4433
34 1,2-Dichloropropane(*)	63	12.387	12.379	(1.071)	72973	20.0000	22.2490
35 1,4-Dioxane	88	12.588	12.581	(1.089)	12899	500.000	492.972
36 Dibromomethane	93	12.581	12.573	(1.088)	45373	20.0000	23.2377
37 Bromodichloromethane	83	12.803	12.803	(1.108)	112030	20.0000	23.8816
38 2-Chloroethyl vinyl ether	63	13.227	13.227	(1.144)	29178	20.0000	21.2327
39 cis-1,3-Dichloropropene (Xtr)	75	13.501	13.500	(1.168)	117237	20.0000	21.7572
40 4-Methyl-2-pentanone	43	13.709	13.702	(1.186)	47361	20.0000	21.2809
$ 41 Toluene-d8	98	13.946	13.946	(1.206)	274270	20.0000	21.9762
42 Toluene (*)	92	14.054	14.054	(1.216)	203634	20.0000	22.1475
43 trans-1,3-Dichloropropene(Xt)	75	14.349	14.348	(1.241)	110234	20.0000	22.7792
44 1,1,2-Trichloroethane	97	14.650	14.650	(1.267)	59778	20.0000	22.0695
45 Tetrachloroethene	166	14.938	14.931	(0.921)	79598	20.0000	18.9261
46 1,3-Dichloropropane	76	14.923	14.923	(0.920)	112172	20.0000	22.1619
47 2-Hexanone	43	14.995	14.995	(0.925)	34009	20.0000	21.6725
48 Dibromochloromethane	129	15.297	15.297	(0.943)	69229	20.0000	21.6485
49 1,2-Dibromoethane	107	15.506	15.505	(0.956)	60092	20.0000	20.9946
* 50 Chlorobenzene-d5	117	16.217	16.210	(1.000)	495122	50.0000	
51 Chlorobenzene (**)	112	16.260	16.260	(1.003)	219556	20.0000	20.9569
52 1-Chlorohexane	91	16.160	16.159	(0.996)	96120	20.0000	20.3732
53 1,1,1,2-Tetrachloroethane	131	16.361	16.361	(1.009)	76382	20.0000	21.9163
54 Ethylbenzene (*)	106	16.404	16.397	(1.012)	126032	20.0000	21.5761
M 132 Xylenes (Total)	106				460892	60.0000	65.3194
55 Xylenes (m,p)	106	16.576	16.576	(1.022)	312448	40.0000	43.6394
56 Xylene (o)	106	17.202	17.201	(1.061)	148444	20.0000	21.6799
57 Styrene	104	17.216	17.209	(1.062)	249292	20.0000	22.1405
58 Bromoform (**)	173	17.532	17.532	(1.081)	39096	20.0000	20.7784
59 Isopropylbenzene	105	17.755	17.755	(1.095)	399682	20.0000	22.7934
$ 60 4-Bromofluorobenzene	95	18.014	18.014	(1.111)	110945	20.0000	22.9866
61 Bromobenzene	156	18.279	18.279	(0.923)	86349	20.0000	19.4633
62 1,1,2,2-Tetrachloroethane(**)	83	18.179	18.179	(0.918)	72549	20.0000	21.8664
63 1,2,3-Trichloropropane	75	18.272	18.272	(0.922)	87831	20.0000	23.4938
64 N-Propylbenzene	91	18.394	18.387	(0.929)	531263	20.0000	23.0594

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
65 2-Chlorotoluene	91	18.560	18.560	(0.937)	314329	20.0000	23.2092
66 4-Chlorotoluene	91	18.718	18.718	(0.945)	332782	20.0000	23.3817
67 1,3,5-Trimethylbenzene	105	18.646	18.646	(0.941)	365869	20.0000	22.6885
68 T-Butylbenzene	119	19.163	19.163	(0.967)	304127	20.0000	22.2411
69 1,2,4-Trimethylbenzene	105	19.235	19.235	(0.971)	373706	20.0000	23.0448
70 Sec-Butylbenzene	105	19.501	19.501	(0.984)	470974	20.0000	23.2763
71 1,3-Dichlorobenzene	146	19.717	19.717	(0.995)	192152	20.0000	21.2005
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.810	(1.000)	275255	50.0000	
73 P-Isopropyltoluene	119	19.710	19.710	(0.995)	390265	20.0000	22.5408
74 1,4-Dichlorobenzene	146	19.846	19.853	(1.002)	192820	20.0000	21.3170
75 1,2-Dichlorobenzene	146	20.435	20.435	(1.032)	177218	20.0000	21.5074
76 N-Butylbenzene	91	20.342	20.342	(1.027)	417992	20.0000	24.3798
77 1,2-Dibromo-3-chloropropane	75	21.636	21.635	(1.092)	17336	20.0000	23.4786
78 1,2,4-Trichlorobenzene	180	23.130	23.130	(1.168)	113291	20.0000	19.3355
79 Hexachlorobutadiene	225	23.439	23.432	(1.183)	65245	20.0000	19.8601
80 Napthalene	128	23.641	23.640	(1.193)	278738	20.0000	21.6403
81 1,2,3-Trichlorobenzene	180	24.151	24.151	(1.219)	107986	20.0000	20.0939

QC Flag Legend

M - Compound response manually integrated.

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71102.b\V7466.D
Lab Smp Id: VSTD020
Inj Date : 02-NOV-2000 14:25
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD020;Barmbys;1;;3;;1
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71102.b\8260S.m
Meth Date : 02-Nov-2000 14:50 auto Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
1 Dichlorodifluoromethane	85	3.490	3.483	(0.302)	88175	20.0000	28.3234
2 Chloromethane (**)	50	3.820	3.820	(0.330)	98092	20.0000	27.9506
3 Vinyl Chloride (*)	62	4.007	4.014	(0.347)	105766	20.0000	29.4758
4 Bromomethane	94	4.604	4.597	(0.398)	66447	20.0000	29.4842
5 Chloroethane	64	4.776	4.769	(0.413)	62122	20.0000	29.4157
6 Trichlorofluoromethane	101	5.243	5.236	(0.454)	172614	20.0000	30.3376
8 1,1-Dichloroethene(*)	96	6.249	6.242	(0.541)	83630	20.0000	26.8610
9 Trichlorotrifluoroethane	101	6.228	6.221	(0.539)	75996	20.0000	28.1607
10 Acetone	43.00	Compound Not Detected.					
11 Carbon disulfide	76	6.731	6.731	(0.582)	203985	20.0000	27.3977
12 Methylene Chloride	84	7.155	7.155	(0.619)	87105	20.0000	27.9517
13 Hexane	57	8.197	8.183	(0.709)	84702	20.0000	21.0661
14 trans-1,2-Dichloroethene	96	7.687	7.687	(0.665)	88557	20.0000	25.6124
M 131 1,2-Dichloroethane (Total)	96				165183	20.0000	46.6490
15 Methyl-t-butyl-ether	73	7.680	7.672	(0.664)	192600	20.0000	29.0495

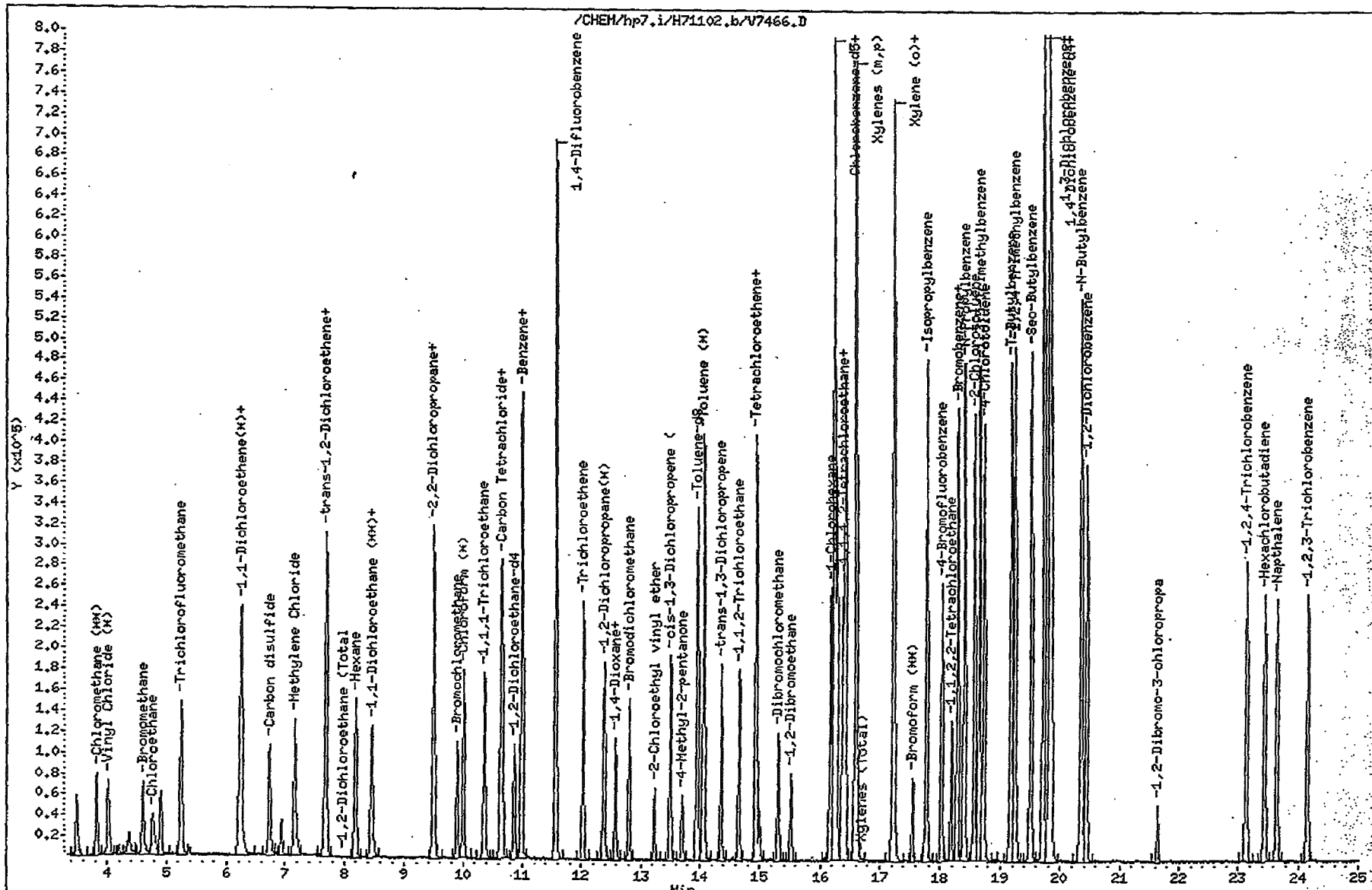
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
17	1,1-Dichloroethane (**)	63	8.456	8.448	(0.731)	151820	20.0000	23.0864
18	Vinyl acetate	43	8.506	8.499	(0.736)	25263	20.0000	24.9676
20	2,2-Dichloropropane	77	9.491	9.490	(0.821)	141693	20.0000	24.9576
21	cis 1,2-Dichloroethene	96	9.483	9.483	(0.820)	76626	20.0000	21.0366
22	2-Butanone	43	9.483	9.476	(0.820)	25563	20.0000	22.0385
23	Bromochloromethane	128	9.900	9.900	(0.856)	32817	20.0000	19.6581
24	Chloroform (*)	83	10.008	10.008	(0.866)	161291	20.0000	24.1508
25	1,1,1-Trichloroethane	97	10.367	10.367	(0.897)	146452	20.0000	24.5130
27	Carbon Tetrachloride	117	10.662	10.662	(0.922)	124937	20.0000	25.3936
28	1,1-Dichloropropene	75	10.640	10.640	(0.920)	116992	20.0000	22.7344
$ 29	1,2-Dichloroethane-d4	65	10.863	10.863	(0.940)	98073	20.0000	26.4856
30	Benzene	78	10.992	10.992	(0.951)	317962	20.0000	22.5338
31	1,2-Dichloroethane	62	10.992	10.992	(0.951)	129035	20.0000	26.4549
* 32	1,4-Difluorobenzene	114	11.560	11.560	(1.000)	593234	50.0000	
33	Trichloroethene	95	12.027	12.027	(1.040)	93441	20.0000	22.4433
34	1,2-Dichloropropane(*)	63	12.387	12.379	(1.071)	72973	20.0000	22.2490
35	1,4-Dioxane	88	12.588	12.581	(1.089)	12899	500.000	492.972
36	Dibromomethane	93	12.581	12.573	(1.088)	45373	20.0000	23.2377
37	Bromodichloromethane	83	12.803	12.803	(1.108)	112030	20.0000	23.8816
38	2-Chloroethyl vinyl ether	63	13.227	13.227	(1.144)	29178	20.0000	21.2327
39	cis-1,3-Dichloropropene (xtr)	75	13.501	13.500	(1.168)	117237	20.0000	21.7572
40	4-Methyl-2-pentanone	43	13.709	13.702	(1.186)	47361	20.0000	21.2809
$ 41	Toluene-d8	98	13.946	13.946	(1.206)	274270	20.0000	21.9762
42	Toluene (*)	92	14.054	14.054	(1.216)	203634	20.0000	22.1475
43	trans-1,3-Dichloropropene(xt)	75	14.349	14.348	(1.241)	110234	20.0000	22.7792
44	1,1,2-Trichloroethane	97	14.650	14.650	(1.267)	59778	20.0000	22.0695
45	Tetrachloroethene	166	14.938	14.931	(0.921)	79598	20.0000	18.9261
46	1,3-Dichloropropane	76	14.923	14.923	(0.920)	112172	20.0000	22.1619
47	2-Hexanone	43	14.995	14.995	(0.925)	34009	20.0000	21.6725
48	Dibromochloromethane	129	15.297	15.297	(0.943)	69229	20.0000	21.6485
49	1,2-Dibromoethane	107	15.506	15.505	(0.956)	60092	20.0000	20.9946
* 50	Chlorobenzene-d5	117	16.217	16.210	(1.000)	495122	50.0000	
51	Chlorobenzene (**)	112	16.260	16.260	(1.003)	219556	20.0000	20.9569
52	1-Chlorohexane	91	16.160	16.159	(0.996)	96120	20.0000	20.3732
53	1,1,1,2-Tetrachloroethane	131	16.361	16.361	(1.009)	76382	20.0000	21.9163
54	Ethylbenzene (*)	106	16.404	16.397	(1.012)	126032	20.0000	21.5761
M 132	Xylenes (Total)	106				460892	60.0000	65.3194
55	Xylenes (m,p)	106	16.576	16.576	(1.022)	312448	40.0000	43.6394
56	Xylene (o)	106	17.202	17.201	(1.061)	148444	20.0000	21.6799
57	Styrene	104	17.216	17.209	(1.062)	249292	20.0000	22.1405
58	Bromoform (**)	173	17.532	17.532	(1.081)	39096	20.0000	20.7784
59	Isopropylbenzene	105	17.755	17.755	(1.095)	399682	20.0000	22.7934
$ 60	4-Bromofluorobenzene	95	18.014	18.014	(1.111)	110945	20.0000	22.9866
61	Bromobenzene	156	18.279	18.279	(0.923)	86349	20.0000	19.4633
62	1,1,2,2-Tetrachloroethane(**)	83	18.179	18.179	(0.918)	72549	20.0000	21.8664
63	1,2,3-Trichloropropane	75	18.272	18.272	(0.922)	87831	20.0000	23.4938
64	N-Propylbenzene	91	18.394	18.387	(0.929)	531263	20.0000	23.0594

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
65 2-Chlorotoluene	91	18.560	18.560	(0.937)	314329	20.0000	23.2092
66 4-Chlorotoluene	91	18.718	18.718	(0.945)	332782	20.0000	23.3817
67 1,3,5-Trimethylbenzene	105	18.646	18.646	(0.941)	365869	20.0000	22.6885
68 T-Butylbenzene	119	19.163	19.163	(0.967)	304127	20.0000	22.2411
69 1,2,4-Trimethylbenzene	105	19.235	19.235	(0.971)	373706	20.0000	23.0448
70 Sec-Butylbenzene	105	19.501	19.501	(0.984)	470974	20.0000	23.2763
71 1,3-Dichlorobenzene	146	19.717	19.717	(0.995)	192152	20.0000	21.2005
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.810	(1.000)	275255	50.0000	
73 P-Isopropyltoluene	119	19.710	19.710	(0.995)	390265	20.0000	22.5408
74 1,4-Dichlorobenzene	146	19.846	19.853	(1.002)	192820	20.0000	21.3170
75 1,2-Dichlorobenzene	146	20.435	20.435	(1.032)	177218	20.0000	21.5074
76 N-Butylbenzene	91	20.342	20.342	(1.027)	417992	20.0000	24.3798
77 1,2-Dibromo-3-chloropropane	75	21.636	21.635	(1.092)	17336	20.0000	23.4786
78 1,2,4-Trichlorobenzene	180	23.130	23.130	(1.168)	113291	20.0000	19.3355
79 Hexachlorobutadiene	225	23.439	23.432	(1.183)	65245	20.0000	19.8601
80 Napthalene	128	23.641	23.640	(1.193)	278738	20.0000	21.6403
81 1,2,3-Trichlorobenzene	180	24.151	24.151	(1.219)	107986	20.0000	20.0939

Data File: /CHEM/hp7.i/H71102.b/V7466.D
Date : 02-NOV-2000 14:25
Client ID:
Sample Info: VSTD020;Barmbys;1;;3;;1

Instrument: hp7.i
Operator: Barmbys
Column diameter: 0.53

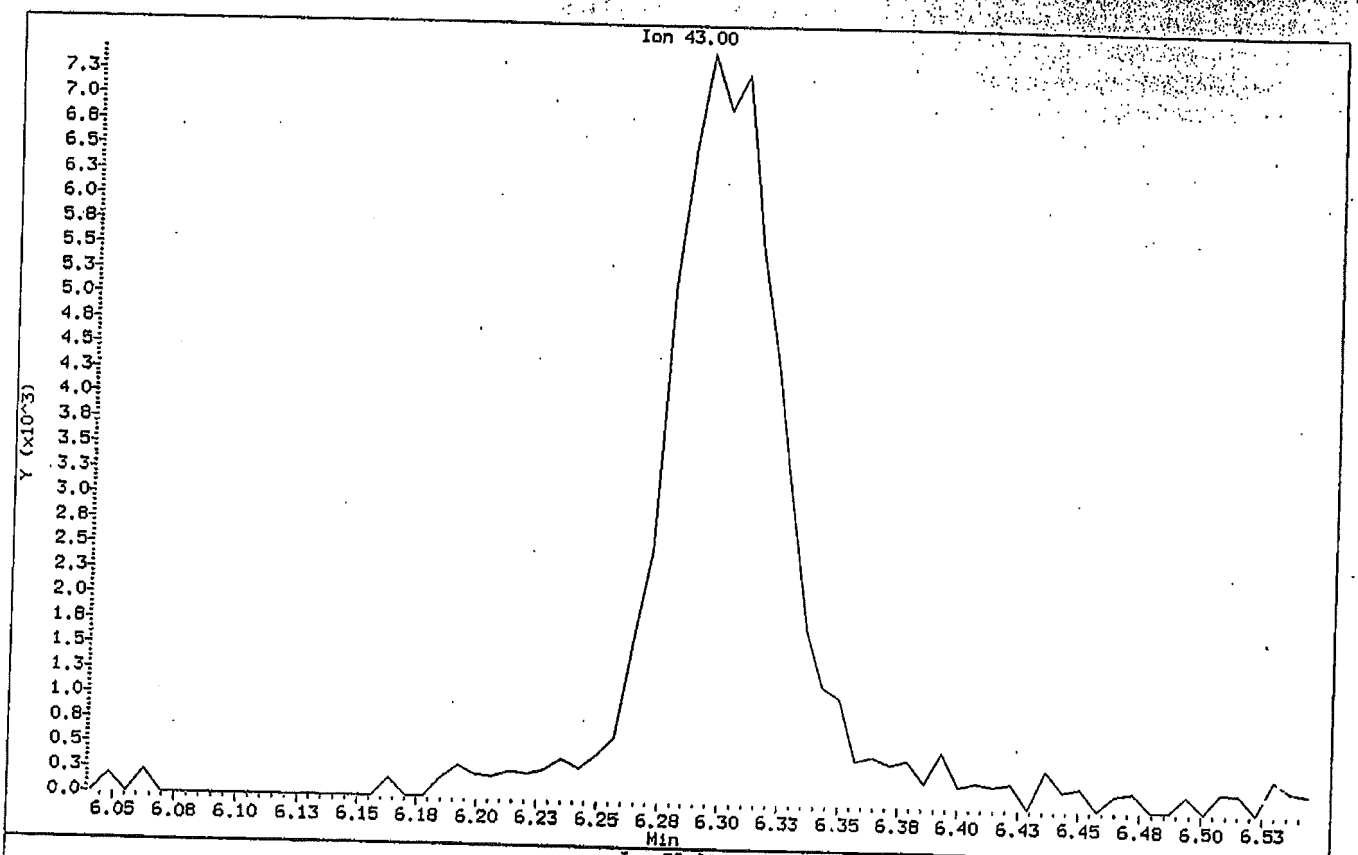
Column phase:

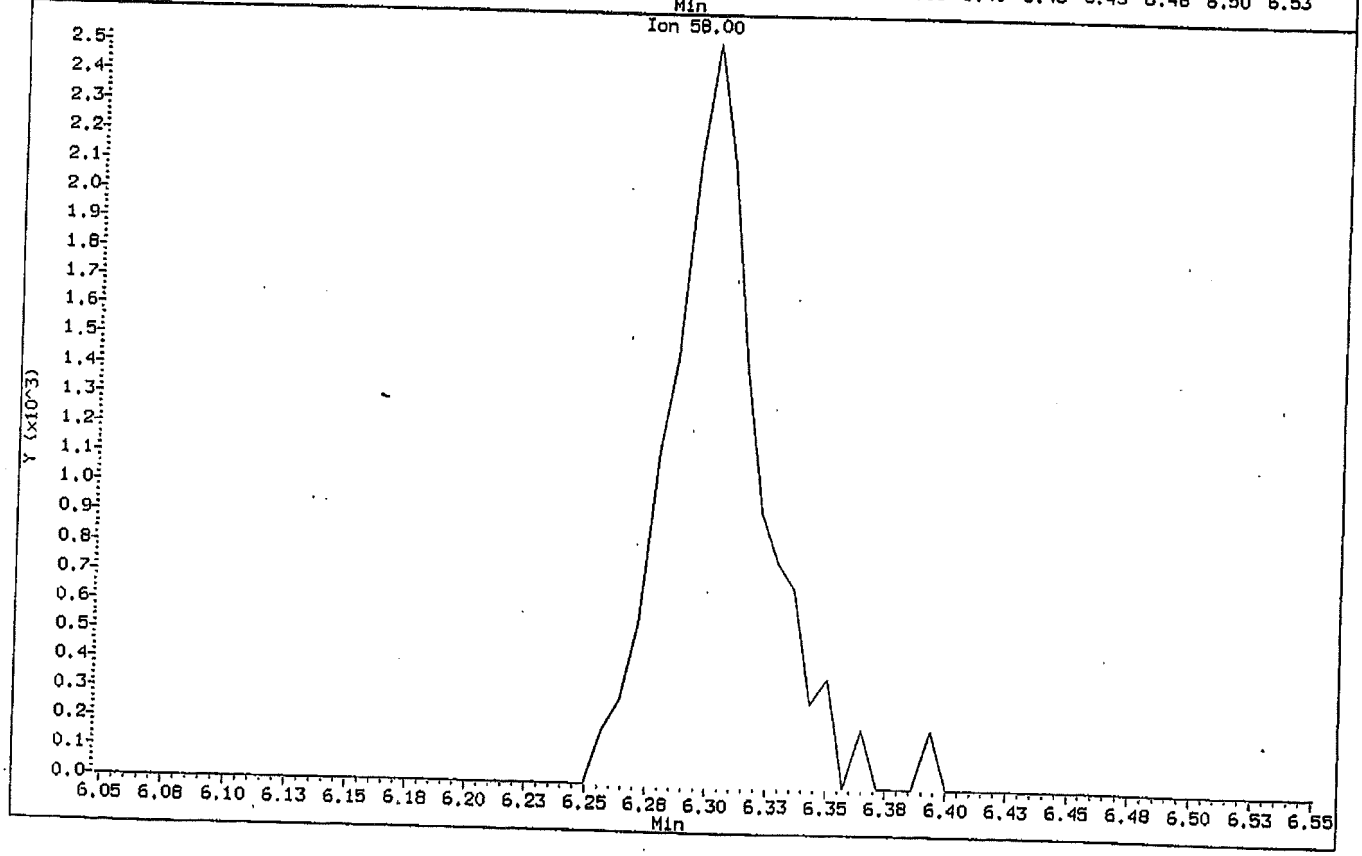


001922

Data File: /chem/hp7.i/H71102.b/V7466.D
Injection Date: 02-NOV-2000 14:25
Instrument: hp7.i
Client Sample ID:

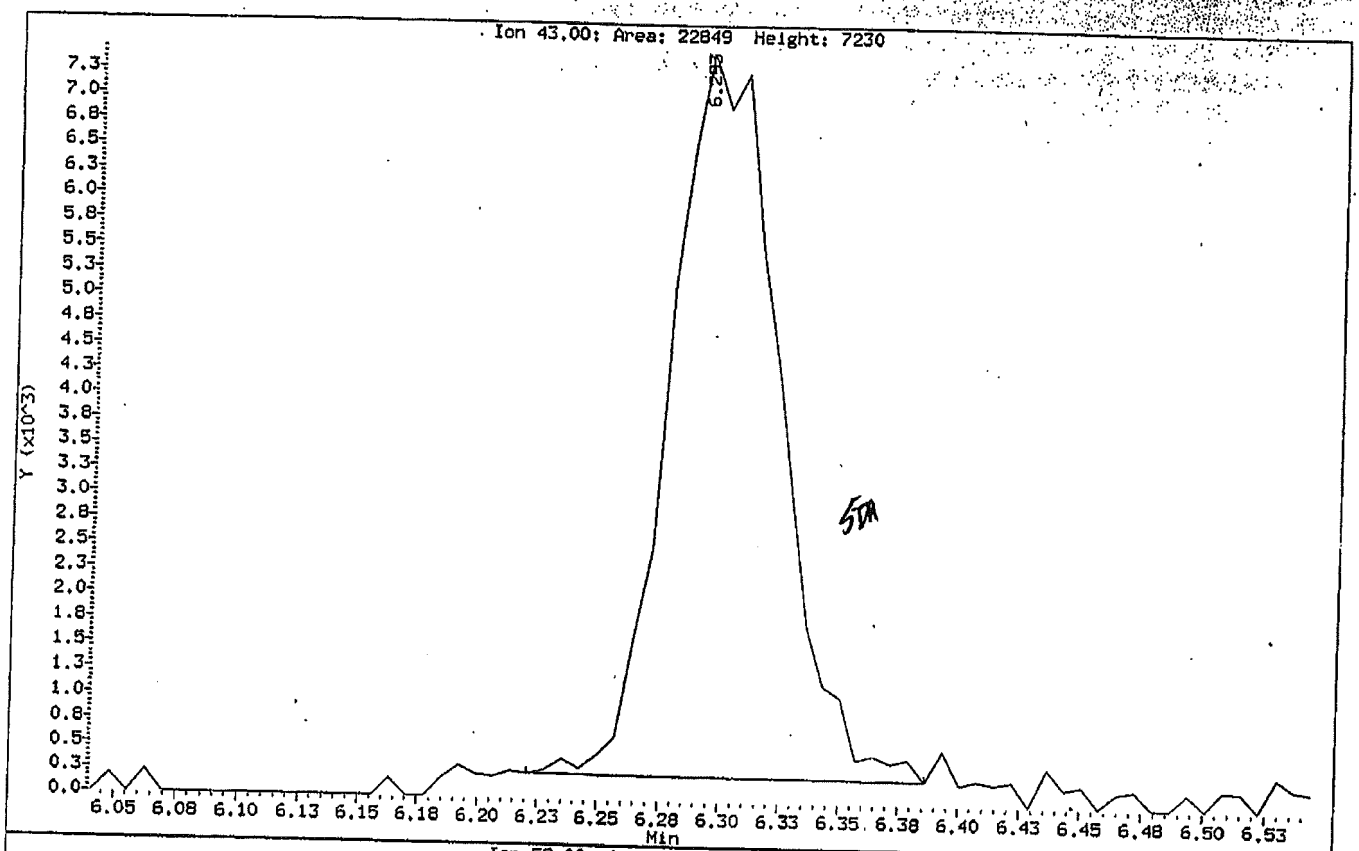
Compound: Acetone
CAS Number: 67-64-1

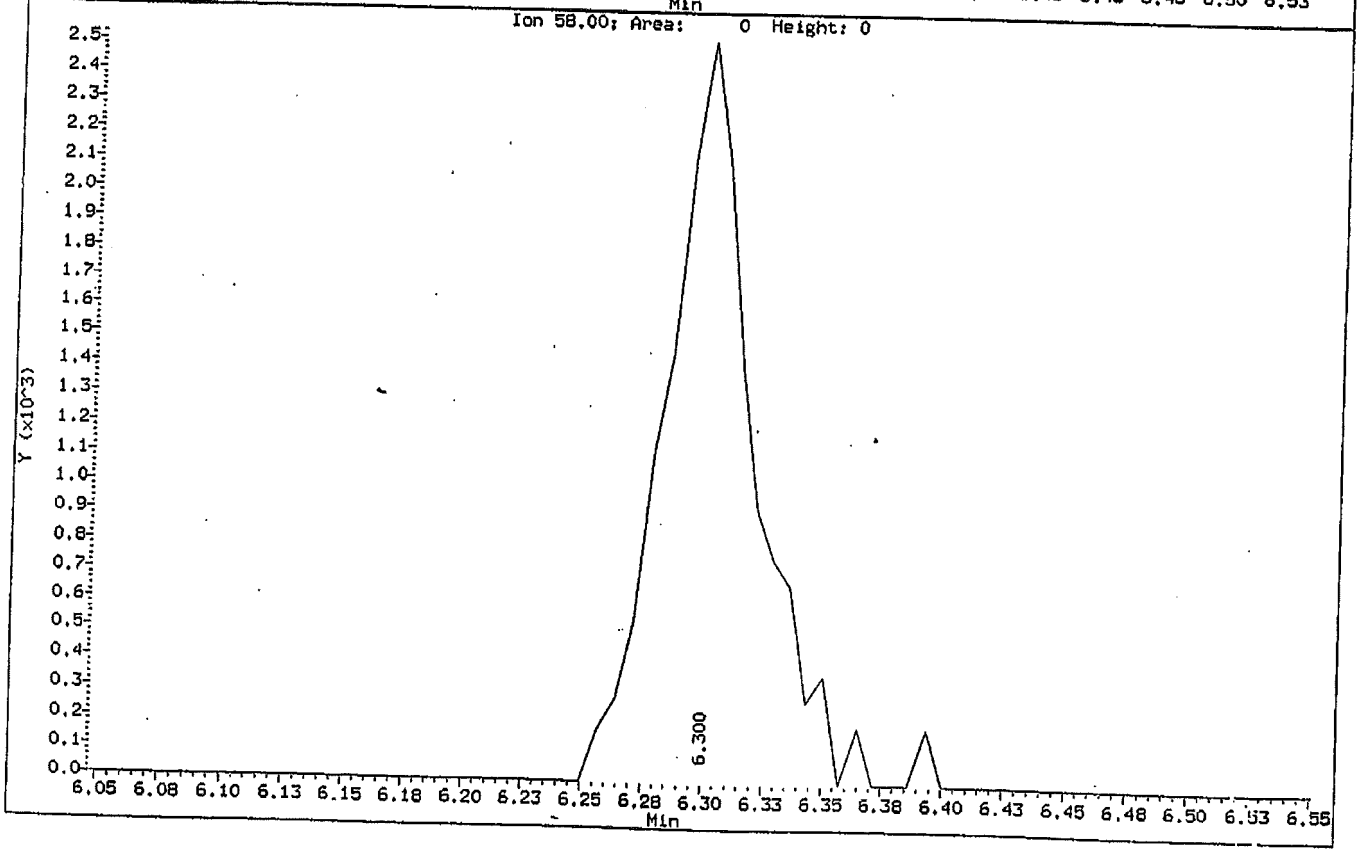




Data File: /chem/hp7.i/H71102.b/V7466.D
Injection Date: 02-NOV-2000 14:25
Instrument: hp7.i
Client Sample ID:

Compound: Acetone
CAS Number: 67-64-1





STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71102.b\V7465.D
Lab Smp Id: VSTD050
Inj Date : 02-NOV-2000 13:55
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD050;Barmbys;1;;4;;1
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71102.b\8260S.m
Meth Date : 02-Nov-2000 14:20 auto Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
1 Dichlorodifluoromethane	85	3.483	3.483	(0.301)	208306	50.0000	61.5279
2 Chloromethane (**)	50	3.820	3.820	(0.330)	225014	50.0000	58.9573
3 Vinyl Chloride (*)	62	4.014	4.014	(0.347)	249981	50.0000	64.0614
4 Bromomethane	94	4.597	4.597	(0.398)	159758	50.0000	65.1849
5 Chloroethane	64	4.769	4.769	(0.413)	154110	50.0000	67.1019
6 Trichlorofluoromethane	101	5.236	5.236	(0.453)	409789	50.0000	66.2272
8 1,1-Dichloroethene(*)	96	6.242	6.242	(0.540)	204491	50.0000	60.3957
9 Trichlorotrifluoroethane	101	6.221	6.221	(0.538)	186427	50.0000	63.5232
10 Acetone	43	6.293	6.293	(0.544)	54577	50.0000	77.8394
11 Carbon disulfide	76	6.731	6.731	(0.582)	509298	50.0000	62.9012
12 Methylene Chloride	84	7.155	7.155	(0.619)	213176	50.0000	62.9035
13 Hexane	57	8.183	8.183	(0.708)	217866	50.0000	49.8255
14 trans-1,2-Dichloroethene	96	7.687	7.687	(0.665)	216751	50.0000	57.6446
M 131 1,2-Dichloroethane (Total)	96				413322	50.0000	107.268
15 Methyl-t-butyl-ether	73	7.672	7.672	(0.664)	514964	50.0000	71.4217

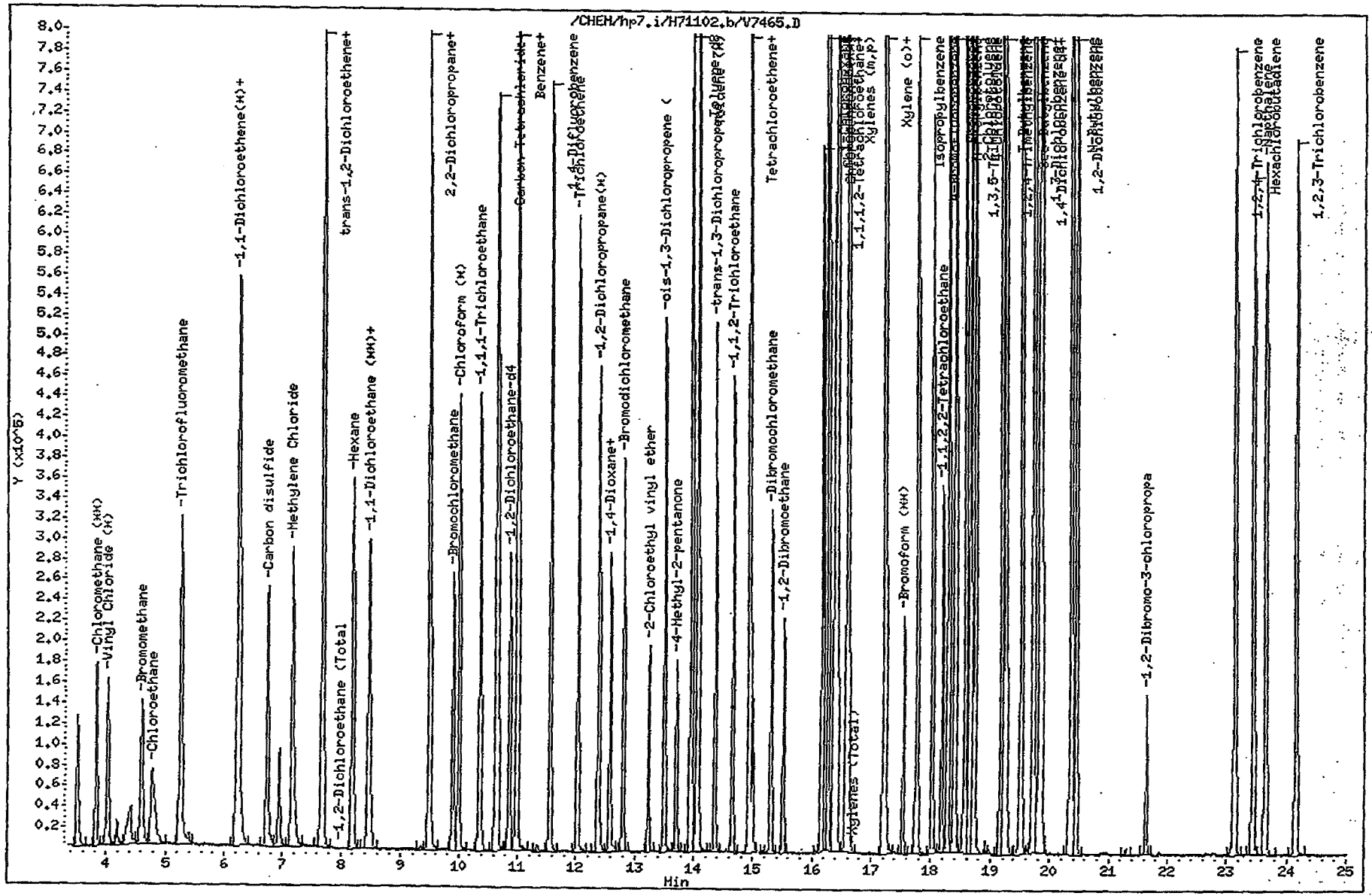
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
17 1,1-Dichloroethane (**)	63	8.448	8.448	(0.731)	372801	50.0000	52.1285
18 Vinyl acetate	43	8.499	8.499	(0.735)	84660	50.0000	76.9381
20 2,2-Dichloropropane	77	9.490	9.490	(0.821)	350657	50.0000	56.7946
21 cis 1,2-Dichloroethene	96	9.483	9.483	(0.820)	196571	50.0000	49.6238
22 2-Butanone	43	9.476	9.476	(0.820)	73966	50.0000	58.6371
23 Bromochloromethane	128	9.900	9.900	(0.856)	86090	50.0000	47.4205
24 Chloroform (*)	83	10.008	10.008	(0.866)	394779	50.0000	54.3557
25 1,1,1-Trichloroethane	97	10.367	10.367	(0.897)	367130	50.0000	56.5056
27 Carbon Tetrachloride	117	10.662	10.662	(0.922)	319590	50.0000	59.7306
28 1,1-Dichloropropene	75	10.640	10.640	(0.920)	300722	50.0000	53.7358
$ 29 1,2-Dichloroethane-d4	65	10.863	10.863	(0.940)	251157	50.0000	62.3700
30 Benzene	78	10.992	10.992	(0.951)	783121	50.0000	51.0340
31 1,2-Dichloroethane	62	10.992	10.992	(0.951)	321338	50.0000	60.5802
* 32 1,4-Difluorobenzene	114	11.560	11.560	(1.000)	645142	50.0000	
33 Trichloroethene	95	12.027	12.027	(1.040)	232297	50.0000	51.3054
34 1,2-Dichloropropane(*)	63	12.379	12.379	(1.071)	182377	50.0000	51.1316
35 1,4-Dioxane	88	12.581	12.581	(1.088)	39486	1250.00	1387.65
36 Dibromomethane	93	12.573	12.573	(1.088)	115029	50.0000	54.1719
37 Bromodichloromethane	83	12.803	12.803	(1.108)	286089	50.0000	56.0791
38 2-Chloroethyl vinyl ether	63	13.227	13.227	(1.144)	87885	50.0000	58.8079
39 cis-1,3-Dichloropropene (xtr)	75	13.500	13.500	(1.168)	320049	50.0000	54.6168
40 4-Methyl-2-pentanone	43	13.702	13.702	(1.185)	141586	50.0000	58.5005
$ 41 Toluene-d8	98	13.946	13.946	(1.206)	722323	50.0000	53.2201
42 Toluene (*)	92	14.054	14.054	(1.216)	510020	50.0000	51.0073
43 trans-1,3-Dichloropropene(xt)	75	14.348	14.348	(1.241)	303066	50.0000	57.5879
44 1,1,2-Trichloroethane	97	14.650	14.650	(1.267)	156138	50.0000	53.0066
45 Tetrachloroethene	166	14.931	14.931	(0.921)	207305	50.0000	45.2286
46 1,3-Dichloropropane	76	14.923	14.923	(0.921)	302998	50.0000	54.9294
47 2-Hexanone	43	14.995	14.995	(0.925)	107159	50.0000	62.6596
48 Dibromochloromethane	129	15.297	15.297	(0.944)	190079	50.0000	54.5403
49 1,2-Dibromoethane	107	15.505	15.505	(0.957)	166246	50.0000	53.2948
* 50 Chlorobenzene-d5	117	16.210	16.210	(1.000)	539596	50.0000	
51 Chlorobenzene (**)	112	16.260	16.260	(1.003)	561124	50.0000	49.1456
52 1-Chlorohexane	91	16.159	16.159	(0.997)	261740	50.0000	50.9048
53 1,1,1,2-Tetrachloroethane	131	16.361	16.361	(1.009)	200854	50.0000	52.8810
54 Ethylbenzene (*)	106	16.397	16.397	(1.012)	323198	50.0000	50.7697
M 132 Xylenes (Total)	106				1206683	150.000	156.958
55 Xylenes (m,p)	106	16.576	16.576	(1.023)	811575	100.000	104.010
56 Xylene (o)	106	17.201	17.201	(1.061)	395108	50.0000	52.9486
57 Styrene	104	17.209	17.209	(1.062)	660358	50.0000	53.8149
58 Bromoform (**)	173	17.532	17.532	(1.082)	111101	50.0000	54.1804
59 Isopropylbenzene	105	17.755	17.755	(1.095)	1055675	50.0000	55.2418
$ 60 4-Bromofluorobenzene	95	18.014	18.014	(1.111)	301851	50.0000	57.3856
61 Bromobenzene	156	18.279	18.279	(0.923)	230798	50.0000	45.5873
62 1,1,2,2-Tetrachloroethane(**)	83	18.179	18.179	(0.918)	202175	50.0000	53.3981
63 1,2,3-Trichloropropane	75	18.272	18.272	(0.922)	238463	50.0000	55.8957
64 N-Propylbenzene	91	18.387	18.387	(0.928)	1379929	50.0000	52.4865

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
65 2-Chlorotoluene	91	18.560	18.560	(0.937)	811784	50.0000	52.5252
66 4-Chlorotoluene	91	18.718	18.718	(0.945)	859277	50.0000	52.9056
67 1,3,5-Trimethylbenzene	105	18.646	18.646	(0.941)	952000	50.0000	51.7333
68 T-Butylbenzene	119	19.163	19.163	(0.967)	805673	50.0000	51.6312
69 1,2,4-Trimethylbenzene	105	19.235	19.235	(0.971)	974137	50.0000	52.6400
70 Sec-Butylbenzene	105	19.501	19.501	(0.984)	1215530	50.0000	52.6423
71 1,3-Dichlorobenzene	146	19.717	19.717	(0.995)	805432	50.0000	48.8671
* 72 1,4 Dichlorobenzene-d4	152	19.810	19.810	(1.000)	314111	50.0000	
73 P-Isopropyltoluene	119	19.710	19.710	(0.995)	1035576	50.0000	52.4137
74 1,4-Dichlorobenzene	146	19.853	19.853	(1.002)	498821	50.0000	48.3248
75 1,2-Dichlorobenzene	146	20.435	20.435	(1.032)	466005	50.0000	49.5590
76 N-Butylbenzene	91	20.342	20.342	(1.027)	1083042	50.0000	55.3553
77 1,2-Dibromo-3-chloropropane	75	21.635	21.635	(1.092)	54005	50.0000	64.0928
78 1,2,4-Trichlorobenzene	180	23.130	23.130	(1.168)	317664	50.0000	47.5094
79 Hexachlorobutadiene	225	23.432	23.432	(1.183)	172571	50.0000	46.0313
80 Napthalene	128	23.640	23.640	(1.193)	786422	50.0000	53.5026
81 1,2,3-Trichlorobenzene	180	24.151	24.151	(1.219)	296120	50.0000	48.2854

Data File: /CHEM/hp7.i/H71102.b/V7465.D
Date : 02-NOV-2000 13:55
Client ID:
Sample Info: VSTD050;Barmbys;1;;4;;1

Instrument: hp7.i
Operator: Barmbys
Column diameter: 0.53

Column phase:



001928

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71102.b\V7464.D
Lab Smp Id: VSTD100
Inj Date : 02-NOV-2000 13:24
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD100;Barmbys;1;;5;;1
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71102.b\8260S.m
Meth Date : 02-Nov-2000 13:49 auto Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
1 Dichlorodifluoromethane	85	3.488	3.488	(0.302)	407484	100.000	117.715
2 Chloromethane (**)	50	3.818	3.818	(0.330)	437106	100.000	112.012
3 Vinyl Chloride (*)	62	4.012	4.012	(0.347)	501042	100.000	125.578
4 Bromomethane	94	4.573	4.595	(0.396)	309311	100.000	123.433
5 Chloroethane	64	4.760	4.774	(0.412)	311604	100.000	132.696
6 Trichlorofluoromethane	101	5.234	5.241	(0.453)	812644	100.000	128.448
8 1,1-Dichloroethene(*)	96	6.240	6.240	(0.540)	419259	100.000	121.106
9 Trichlorotrifluoroethane	101	6.211	6.219	(0.537)	372989	100.000	124.300
10 Acetone	43	6.298	6.298	(0.545)	109739	100.000	153.074
11 Carbon disulfide	76	6.722	6.729	(0.582)	1060819	100.000	128.139
12 Methylene Chloride	84	7.153	7.153	(0.619)	428047	100.000	123.532
13 Hexane	57	8.181	8.188	(0.708)	462029	100.000	103.343
14 trans-1,2-Dichloroethene	96	7.685	7.685	(0.665)	427222	100.000	111.123
M 131 1,2-Dichloroethane (Total)	96				845104	100.000	214.298
15 Methyl-t-butyl-ether	73	7.678	7.678	(0.664)	1043637	100.000	141.565

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
17 1,1-Dichloroethane (**)	63	8.454	8.454	(0.731)	763239	100.000	104.378
18 Vinyl acetate	43	8.497	8.497	(0.735)	203695	100.000	181.049
20 2,2-Dichloropropane	77	9.489	9.488	(0.821)	741988	100.000	117.537
21 cis 1,2-Dichloroethene	96	9.481	9.481	(0.820)	417882	100.000	103.175
22 2-Butanone	43	9.474	9.474	(0.820)	157766	100.000	122.322
23 Bromochloromethane	128	9.898	9.898	(0.856)	175218	100.000	94.3940
24 Chloroform (*)	83	10.006	10.013	(0.866)	806955	100.000	108.666
25 1,1,1-Trichloroethane	97	10.365	10.365	(0.897)	747832	100.000	112.571
27 Carbon Tetrachloride	117	10.660	10.660	(0.922)	659747	100.000	120.596
28 1,1-Dichloropropene	75	10.638	10.638	(0.920)	629299	100.000	109.978
$ 29 1,2-Dichloroethane-d4	65	10.861	10.861	(0.940)	490869	100.000	119.220
30 Benzene	78	10.990	10.990	(0.951)	1624623	100.000	103.546
31 1,2-Dichloroethane	62	10.990	10.990	(0.951)	662561	100.000	122.165
* 32 1,4-Difluorobenzene	114	11.558	11.558	(1.000)	659635	50.0000	
33 Trichloroethene	95	12.025	12.025	(1.040)	480455	100.000	103.782
34 1,2-Dichloropropane(*)	63	12.377	12.385	(1.071)	377479	100.000	103.506
35 1,4-Dioxane	88	12.586	12.579	(1.089)	89002	2500.00	3059.06
36 Dibromomethane	93	12.571	12.579	(1.088)	240213	100.000	110.641
37 Bromodichloromethane	83	12.801	12.801	(1.108)	599096	100.000	114.854
38 2-Chloroethyl vinyl ether	63	13.225	13.225	(1.144)	193273	100.000	126.486
39 cis-1,3-Dichloropropene (Xtr)	75	13.499	13.498	(1.168)	675323	100.000	112.713
40 4-Methyl-2-pentanone	43	13.707	13.700	(1.186)	316624	100.000	127.948
$ 41 Toluene-d8	98	13.944	13.951	(1.206)	1467545	100.000	105.752
42 Toluene (*)	92	14.052	14.059	(1.216)	1080019	100.000	105.640
43 trans-1,3-Dichloropropene(Xt)	75	14.347	14.346	(1.241)	657478	100.000	122.187
44 1,1,2-Trichloroethane	97	14.648	14.655	(1.267)	329620	100.000	109.443
45 Tetrachloroethene	166	14.936	14.936	(0.921)	449500	100.000	91.3535
46 1,3-Dichloropropane	76	14.921	14.921	(0.920)	644780	100.000	108.885
47 2-Hexanone	43	14.993	14.993	(0.925)	234924	100.000	127.961
48 Dibromochloromethane	129	15.295	15.295	(0.943)	407007	100.000	108.787
49 1,2-Dibromoethane	107	15.504	15.503	(0.956)	350682	100.000	104.722
* 50 Chlorobenzene-d5	117	16.215	16.215	(1.000)	579264	50.0000	
51 Chlorobenzene (**)	112	16.258	16.258	(1.003)	1194458	100.000	97.4516
52 1-Chlorohexane	91	16.157	16.157	(0.996)	581357	100.000	105.323
53 1,1,1,2-Tetrachloroethane	131	16.366	16.366	(1.009)	429548	100.000	105.347
54 Ethylbenzene (*)	106	16.402	16.402	(1.012)	691113	100.000	101.129
M 132 Xylenes (Total)	106				2598091	300.000	314.816
55 Xylenes (m,p)	106	16.574	16.574	(1.022)	1744911	200.000	208.310
56 Xylene (o)	106	17.200	17.199	(1.061)	853180	100.000	106.505
57 Styrene	104	17.214	17.214	(1.062)	1436497	100.000	109.049
58 Bromoform (**)	173	17.530	17.530	(1.081)	251997	100.000	114.475
59 Isopropylbenzene	105	17.753	17.753	(1.095)	2244645	100.000	109.415
$ 60 4-Bromofluorobenzene	95	18.012	18.012	(1.111)	604723	100.000	107.092
61 Bromobenzene	156	18.277	18.277	(0.923)	503545	100.000	95.2604
62 1,1,2,2-Tetrachloroethane(**)	83	18.184	18.184	(0.918)	433397	100.000	109.634
63 1,2,3-Trichloropropane	75	18.277	18.277	(0.923)	503248	100.000	112.980
64 N-Propylbenzene	91	18.392	18.392	(0.929)	2897137	100.000	105.541

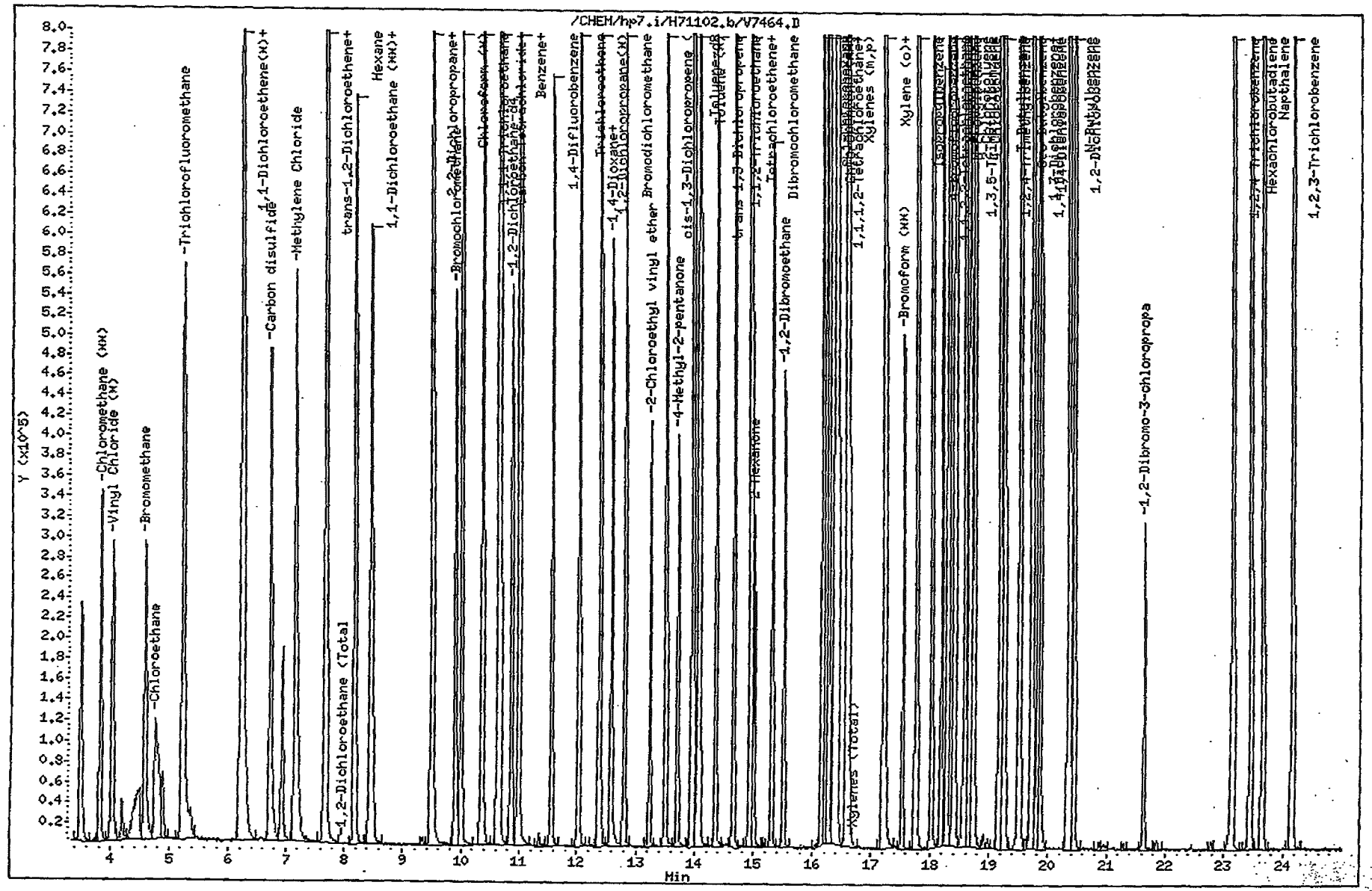
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
65 2-Chlorotoluene	91	18.558	18.558	(0.937)	1691372	100.000	104.816
66 4-Chlorotoluene	91	18.723	18.723	(0.945)	1780832	100.000	105.016
67 1,3,5-Trimethylbenzene	105	18.644	18.644	(0.941)	1998541	100.000	104.018
68 T-Butylbenzene	119	19.169	19.169	(0.968)	1701068	100.000	104.409
69 1,2,4-Trimethylbenzene	105	19.233	19.233	(0.971)	2033789	100.000	105.260
70 Sec-Butylbenzene	105	19.506	19.506	(0.985)	2526144	100.000	104.783
71 1,3-Dichlorobenzene	146	19.715	19.722	(0.995)	1092758	100.000	101.191
* 72 1,4 Dichlorobenzene-d4	152	19.808	19.808	(1.000)	327960	50.0000	
73 P-Isopropyltoluene	119	19.708	19.708	(0.995)	2211838	100.000	107.220
74 1,4-Dichlorobenzene	146	19.851	19.851	(1.002)	1051979	100.000	97.6101
75 1,2-Dichlorobenzene	146	20.441	20.441	(1.032)	970022	100.000	98.8042
76 N-Butylbenzene	91	20.340	20.340	(1.027)	2253351	100.000	110.307
77 1,2-Dibromo-3-chloropropane	75	21.634	21.633	(1.092)	111188	100.000	126.385
78 1,2,4-Trichlorobenzene	180	23.128	23.128	(1.168)	661577	100.000	94.7665
79 Hexachlorobutadiene	225	23.437	23.437	(1.183)	359132	100.000	91.7491
80 Napthalene	128	23.639	23.639	(1.193)	1564867	100.000	101.967
81 1,2,3-Trichlorobenzene	180	24.149	24.149	(1.219)	606847	100.000	94.7741

Data File: /CHEM/hp7.i/H71102.b/V7464.D
Date : 02-NOV-2000 13:24
Client ID:
Sample Info: VSTD100;Barmbys;1;;5;;1

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53

Column phase:



001932

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71102.b\V7463.D
Lab Smp Id: VSTD200
Inj Date : 02-NOV-2000 12:53
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD200;Barmbys;1;;6;;1
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71102.b\8260S.m
Meth Date : 02-Nov-2000 13:19 auto Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

SMT 11/2/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
1 Dichlorodifluoromethane	85	3.498	3.488	(0.303)	765871	200.000	232.487(AM)
2 Chloromethane (**)	50	3.814	3.818	(0.330)	825163	200.000	222.198(A)
3 Vinyl Chloride (*)	62	4.023	4.012	(0.348)	947089	200.000	249.432(A)
4 Bromomethane	94	4.561	4.595	(0.395)	538644	200.000	225.870(A)
5 Chloroethane	64	4.799	4.774	(0.415)	592218	200.000	265.007(AM)
6 Trichlorofluoromethane	101	5.215	5.241	(0.451)	1616353	200.000	268.463(A)
8 1,1-Dichloroethene(*)	96	6.229	6.240	(0.539)	788478	200.000	239.328(A)
9 Trichlorotrifluoroethane	101	6.207	6.219	(0.537)	741263	200.000	259.578(A)
10 Acetone	43	6.301	6.298	(0.545)	191034	200.000	280.009(A)
11 Carbon disulfide	76	6.717	6.729	(0.581)	2057352	200.000	261.137(A)
12 Methylene Chloride	84	7.141	7.153	(0.618)	797147	200.000	241.739(A)
13 Hexane	57	8.176	8.188	(0.708)	871620	200.000	204.862(A)
14 trans-1,2-Dichloroethene	96	7.673	7.685	(0.664)	808158	200.000	220.885(A)
M 131 1,2-Dichloroethane (Total)	96				1598741	200.000	425.996
15 Methyl-t-butyl-ether	73	7.666	7.678	(0.663)	1928354	200.000	274.860(A)

2 SMT 11/2/00

2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
	17 1,1-Dichloroethane (**)	63	8.442	8.454	(0.731)	1403314	200.000	201.662(A)
	18 Vinyl acetate	43	8.492	8.497	(0.735)	420675	200.000	392.900(A)
	20 2,2-Dichloropropane	77	9.484	9.488	(0.821)	1447405	200.000	240.928(A)
	21 cis 1,2-Dichloroethene	96	9.470	9.481	(0.820)	790583	200.000	205.112(A)
	22 2-Butanone	43	9.470	9.474	(0.820)	279838	200.000	227.992(A)
	23 Bromochloromethane	128	9.894	9.898	(0.856)	322008	200.000	182.286
	24 Chloroform (*)	83	10.002	10.013	(0.866)	1526212	200.000	215.962(A)
	25 1,1,1-Trichloroethane	97	10.361	10.365	(0.897)	1433108	200.000	226.685(A)
	27 Carbon Tetrachloride	117	10.648	10.660	(0.922)	1309452	200.000	251.516(A)
	28 1,1-Dichloropropene	75	10.627	10.638	(0.920)	1209543	200.000	222.122(A)
$	29 1,2-Dichloroethane-d4	65	10.857	10.861	(0.940)	925798	200.000	236.275(A)
	30 Benzene	78	10.979	10.990	(0.950)	3064674	200.000	205.252(A)
	31 1,2-Dichloroethane	62	10.986	10.990	(0.951)	1261846	200.000	244.482(A)
*	32 1,4-Difluorobenzene	114	11.554	11.558	(1.000)	627745	50.0000	
	33 Trichloroethene	95	12.021	12.025	(1.040)	954378	200.000	216.627(A)
	34 1,2-Dichloropropane(*)	63	12.373	12.385	(1.071)	749187	200.000	215.864(A)
	35 1,4-Dioxane	88	12.589	12.579	(1.090)	162715	5000.00	5876.74(A)
	36 Dibromomethane	93	12.567	12.579	(1.088)	465461	200.000	225.280(A)
	37 Bromodichloromethane	83	12.790	12.801	(1.107)	1218445	200.000	245.458(A)
	38 2-Chloroethyl vinyl ether	63	13.221	13.225	(1.144)	396850	200.000	272.910(A)
	39 cis-1,3-Dichloropropene (xtr)	75	13.494	13.498	(1.168)	1376552	200.000	241.421(A)
	40 4-Methyl-2-pentanone	43	13.703	13.700	(1.186)	605370	200.000	257.059(A)
$	41 Toluene-d8	98	13.947	13.951	(1.207)	3056212	200.000	231.420(A)
	42 Toluene (*)	92	14.048	14.059	(1.216)	2214400	200.000	227.601(A)
	43 trans-1,3-Dichloropropene(xt)	75	14.342	14.346	(1.241)	1331058	200.000	259.934(A)
	44 1,1,2-Trichloroethane	97	14.651	14.655	(1.268)	654206	200.000	228.248(A)
	45 Tetrachloroethene	166	14.931	14.936	(0.921)	961646	200.000	192.017
	46 1,3-Dichloropropane	76	14.917	14.921	(0.920)	1304089	200.000	216.369(A)
	47 2-Hexanone	43	14.996	14.993	(0.925)	451443	200.000	241.593(A)
	48 Dibromochloromethane	129	15.298	15.295	(0.944)	834900	200.000	219.250(A)
	49 1,2-Dibromoethane	107	15.499	15.503	(0.956)	692041	200.000	203.043(A)
*	50 Chlorobenzene-d5	117	16.211	16.215	(1.000)	589586	50.0000	
	51 Chlorobenzene (**)	112	16.254	16.258	(1.003)	2439441	200.000	195.541
	52 1-Chlorohexane	91	16.153	16.157	(0.996)	1247610	200.000	222.070(A)
	53 1,1,1,2-Tetrachloroethane	131	16.362	16.366	(1.009)	912693	200.000	219.920(A)
	54 Ethylbenzene (*)	106	16.397	16.402	(1.012)	1455918	200.000	209.312(A)
M	132 Xylenes (Total)	106				5439551	600.000	647.594
	55 Xylenes (m,p)	106	16.570	16.574	(1.022)	3650855	400.000	428.214(A)
	56 Xylene (o)	106	17.202	17.199	(1.061)	1788696	200.000	219.380(A)
	57 Styrene	104	17.210	17.214	(1.062)	2995242	200.000	223.397(A)
	58 Bromoform (**)	173	17.533	17.530	(1.082)	508618	200.000	227.006(A)
	59 Isopropylbenzene	105	17.756	17.753	(1.095)	4513756	200.000	216.171(A)
$	60 4-Bromofluorobenzene	95	18.014	18.012	(1.111)	1263323	200.000	219.810(A)
	61 Bromobenzene	156	18.280	18.277	(0.923)	1050356	200.000	196.089
	62 1,1,2,2-Tetrachloroethane(**)	83	18.180	18.184	(0.918)	833002	200.000	207.945(A)
	63 1,2,3-Trichloropropane	75	18.273	18.277	(0.922)	978219	200.000	216.719(A)
	64 N-Propylbenzene	91	18.388	18.392	(0.928)	5616058	200.000	201.896(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
65 2-Chlorotoluene	91	18.561	18.558	(0.937)	3404353	200.000	208.193(A)
66 4-Chlorotoluene	91	18.719	18.723	(0.945)	3548512	200.000	206.500(A)
67 1,3,5-Trimethylbenzene	105	18.640	18.644	(0.941)	4050749	200.000	208.052(A)
68 T-Butylbenzene	119	19.164	19.169	(0.967)	3465432	200.000	209.901(A)
69 1,2,4-Trimethylbenzene	105	19.236	19.233	(0.971)	4070381	200.000	207.891(A)
70 Sec-Butylbenzene	105	19.502	19.506	(0.984)	5006905	200.000	204.946(A)
71 1,3-Dichlorobenzene	146	19.718	19.722	(0.995)	2290974	200.000	209.353(A)
* 72 1,4 Dichlorobenzene-d4	152	19.811	19.808	(1.000)	332337	50.0000	
73 P-Isopropyltoluene	119	19.703	19.708	(0.995)	4504836	200.000	215.499(A)
74 1,4-Dichlorobenzene	146	19.847	19.851	(1.002)	2140158	200.000	195.964
75 1,2-Dichlorobenzene	146	20.436	20.441	(1.032)	1964491	200.000	197.463
76 N-Butylbenzene	91	20.343	20.340	(1.027)	4484395	200.000	216.632(A)
77 1,2-Dibromo-3-chloropropane	75	21.636	21.633	(1.092)	202969	200.000	227.672(A)
78 1,2,4-Trichlorobenzene	180	23.124	23.128	(1.167)	1391410	200.000	196.685
79 Hexachlorobutadiene	225	23.433	23.437	(1.183)	761709	200.000	192.034
80 Napthalene	128	23.634	23.639	(1.193)	2898193	200.000	186.359
81 1,2,3-Trichlorobenzene	180	24.152	24.149	(1.219)	1227884	200.000	189.239

QC Flag Legend

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

(2) see peak chromatograph

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71102.b\V7463.D
Lab Smp Id: VSTD200
Inj Date : 02-NOV-2000 12:53
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD200;Barmbys;1;;6;;1
Misc Info : 2;SOIL;0;Q8260.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71102.b\8260S.m
Meth Date : 02-Nov-2000 13:19 auto Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Q8260.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
1 Dichlorodifluoromethane	85	3.484	3.488	(0.301)	686537	200.000	208.404(A)
2 Chloromethane (**)	50	3.814	3.818	(0.330)	825163	200.000	222.198(A)
3 Vinyl Chloride (*)	62	4.023	4.012	(0.348)	947089	200.000	249.432(A)
4 Bromomethane	94	4.561	4.595	(0.395)	538644	200.000	225.870(A)
5 Chloroethane	64	4.799	4.774	(0.415)	486837	200.000	217.851(A)
6 Trichlorofluoromethane	101	5.215	5.241	(0.451)	1616353	200.000	268.463(A)
8 1,1-Dichloroethene(*)	96	6.229	6.240	(0.539)	788478	200.000	239.328(A)
9 Trichlorotrifluoroethane	101	6.207	6.219	(0.537)	741263	200.000	259.578(A)
10 Acetone	43	6.301	6.298	(0.545)	191034	200.000	280.009(A)
11 Carbon disulfide	76	6.717	6.729	(0.581)	2057352	200.000	261.137(A)
12 Methylene Chloride	84	7.141	7.153	(0.618)	797147	200.000	241.739(A)
13 Hexane	57	8.176	8.188	(0.708)	871620	200.000	204.862(A)
14 trans-1,2-Dichloroethene	96	7.673	7.686	(0.664)	808158	200.000	220.885(A)
M 131 1,2-Dichloroethane (Total)	96				1598741	200.000	425.996
15 Methyl-t-butyl-ether	73	7.666	7.678	(0.663)	1928354	200.000	274.860(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
	17 1,1-Dichloroethane (**)	63	8.442	8.454	(0.731)	1403314	200.000	201.662(A)
	18 Vinyl acetate	43	8.492	8.497	(0.735)	420675	200.000	392.900(A)
	20 2,2-Dichloropropane	77	9.484	9.488	(0.821)	1447405	200.000	240.928(A)
	21 cis 1,2-Dichloroethene	96	9.470	9.481	(0.820)	790583	200.000	205.112(A)
	22 2-Butanone	43	9.470	9.474	(0.820)	279838	200.000	227.992(A)
	23 Bromochloromethane	128	9.894	9.898	(0.856)	322008	200.000	182.286
	24 Chloroform (*)	83	10.002	10.013	(0.866)	1526212	200.000	215.962(A)
	25 1,1,1-Trichloroethane	97	10.361	10.365	(0.897)	1433108	200.000	226.685(A)
	27 Carbon Tetrachloride	117	10.648	10.660	(0.922)	1309452	200.000	251.516(A)
	28 1,1-Dichloropropene	75	10.627	10.638	(0.920)	1209543	200.000	222.122(A)
$	29 1,2-Dichloroethane-d4	65	10.857	10.861	(0.940)	925798	200.000	236.275(A)
	30 Benzene	78	10.979	10.990	(0.950)	3064674	200.000	205.252(A)
	31 1,2-Dichloroethane	62	10.986	10.990	(0.951)	1261846	200.000	244.482(A)
*	32 1,4-Difluorobenzene	114	11.554	11.558	(1.000)	627745	50.0000	
	33 Trichloroethene	95	12.021	12.025	(1.040)	954378	200.000	216.627(A)
	34 1,2-Dichloropropane(*)	63	12.373	12.385	(1.071)	749187	200.000	215.864(A)
	35 1,4-Dioxane	88	12.589	12.579	(1.090)	162715	5000.00	5876.74(A)
	36 Dibromomethane	93	12.567	12.579	(1.088)	465461	200.000	225.280(A)
	37 Bromodichloromethane	83	12.790	12.801	(1.107)	1218445	200.000	245.458(A)
	38 2-Chloroethyl vinyl ether	63	13.221	13.225	(1.144)	396850	200.000	272.910(A)
	39 cis-1,3-Dichloropropene (xtr)	75	13.494	13.498	(1.168)	1376552	200.000	241.421(A)
	40 4-Methyl-2-pentanone	43	13.703	13.700	(1.186)	605370	200.000	257.059(A)
$	41 Toluene-d8	98	13.947	13.951	(1.207)	3056212	200.000	231.420(A)
	42 Toluene (*)	92	14.048	14.059	(1.216)	2214400	200.000	227.601(A)
	43 trans-1,3-Dichloropropene(xt)	75	14.342	14.346	(1.241)	1331058	200.000	259.934(A)
	44 1,1,2-Trichloroethane	97	14.651	14.655	(1.268)	654206	200.000	228.248(A)
	45 Tetrachloroethene	166	14.931	14.936	(0.921)	961646	200.000	192.017
	46 1,3-Dichloropropane	76	14.917	14.921	(0.920)	1304089	200.000	216.369(A)
	47 2-Hexanone	43	14.996	14.993	(0.925)	451443	200.000	241.593(A)
	48 Dibromochloromethane	129	15.298	15.295	(0.944)	834900	200.000	219.250(A)
	49 1,2-Dibromoethane	107	15.499	15.503	(0.956)	692041	200.000	203.043(A)
*	50 Chlorobenzene-d5	117	16.211	16.215	(1.000)	589586	50.0000	
	51 Chlorobenzene (**)	112	16.254	16.258	(1.003)	2439441	200.000	195.541
	52 1-Chlorohexane	91	16.153	16.157	(0.996)	1247610	200.000	222.070(A)
	53 1,1,1,2-Tetrachloroethane	131	16.362	16.366	(1.009)	912693	200.000	219.920(A)
	54 Ethylbenzene (*)	106	16.397	16.402	(1.012)	1455918	200.000	209.312(A)
M	132 Xylenes (Total)	106				5439551	600.000	647.594
	55 Xylenes (m,p)	106	16.570	16.574	(1.022)	3650855	400.000	428.214(A)
	56 Xylene (o)	106	17.202	17.199	(1.061)	1788696	200.000	219.380(A)
	57 Styrene	104	17.210	17.214	(1.062)	2995242	200.000	223.397(A)
	58 Bromoform (**)	173	17.533	17.530	(1.082)	508618	200.000	227.006(A)
	59 Isopropylbenzene	105	17.756	17.753	(1.095)	4513756	200.000	216.171(A)
$	60 4-Bromofluorobenzene	95	18.014	18.012	(1.111)	1263323	200.000	219.810(A)
	61 Bromobenzene	156	18.280	18.277	(0.923)	1050356	200.000	196.089
	62 1,1,2,2-Tetrachloroethane(**)	83	18.180	18.184	(0.918)	833002	200.000	207.945(A)
	63 1,2,3-Trichloropropane	75	18.273	18.277	(0.922)	978219	200.000	216.719(A)
	64 N-Propylbenzene	91	18.388	18.392	(0.928)	5616058	200.000	201.896(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
65 2-Chlorotoluene	91	18.561	18.558	(0.937)	3404353	200.000	208.193(A)
66 4-Chlorotoluene	91	18.719	18.723	(0.945)	3548512	200.000	206.500(A)
67 1,3,5-Trimethylbenzene	105	18.640	18.644	(0.941)	4050749	200.000	208.052(A)
68 T-Butylbenzene	119	19.164	19.169	(0.967)	3465432	200.000	209.901(A)
69 1,2,4-Trimethylbenzene	105	19.236	19.233	(0.971)	4070381	200.000	207.891(A)
70 Sec-Butylbenzene	105	19.502	19.506	(0.984)	5006905	200.000	204.948(A)
71 1,3-Dichlorobenzene	146	19.718	19.722	(0.995)	2290974	200.000	209.353(A)
* 72 1,4 Dichlorobenzene-d4	152	19.811	19.808	(1.000)	332337	50.0000	
73 P-Isopropyltoluene	119	19.703	19.708	(0.995)	4504836	200.000	215.499(A)
74 1,4-Dichlorobenzene	146	19.847	19.851	(1.002)	2140158	200.000	195.964
75 1,2-Dichlorobenzene	146	20.436	20.441	(1.032)	1964491	200.000	197.463
76 N-Butylbenzene	91	20.343	20.340	(1.027)	4484395	200.000	216.632(A)
77 1,2-Dibromo-3-chloropropane	75	21.636	21.633	(1.092)	202969	200.000	227.672(A)
78 1,2,4-Trichlorobenzene	180	23.124	23.128	(1.167)	1391410	200.000	196.685
79 Hexachlorobutadiene	225	23.433	23.437	(1.183)	761709	200.000	192.034
80 Napthalene	128	23.634	23.639	(1.193)	2898193	200.000	186.359
81 1,2,3-Trichlorobenzene	180	24.152	24.149	(1.219)	1227884	200.000	189.239

QC Flag Legend

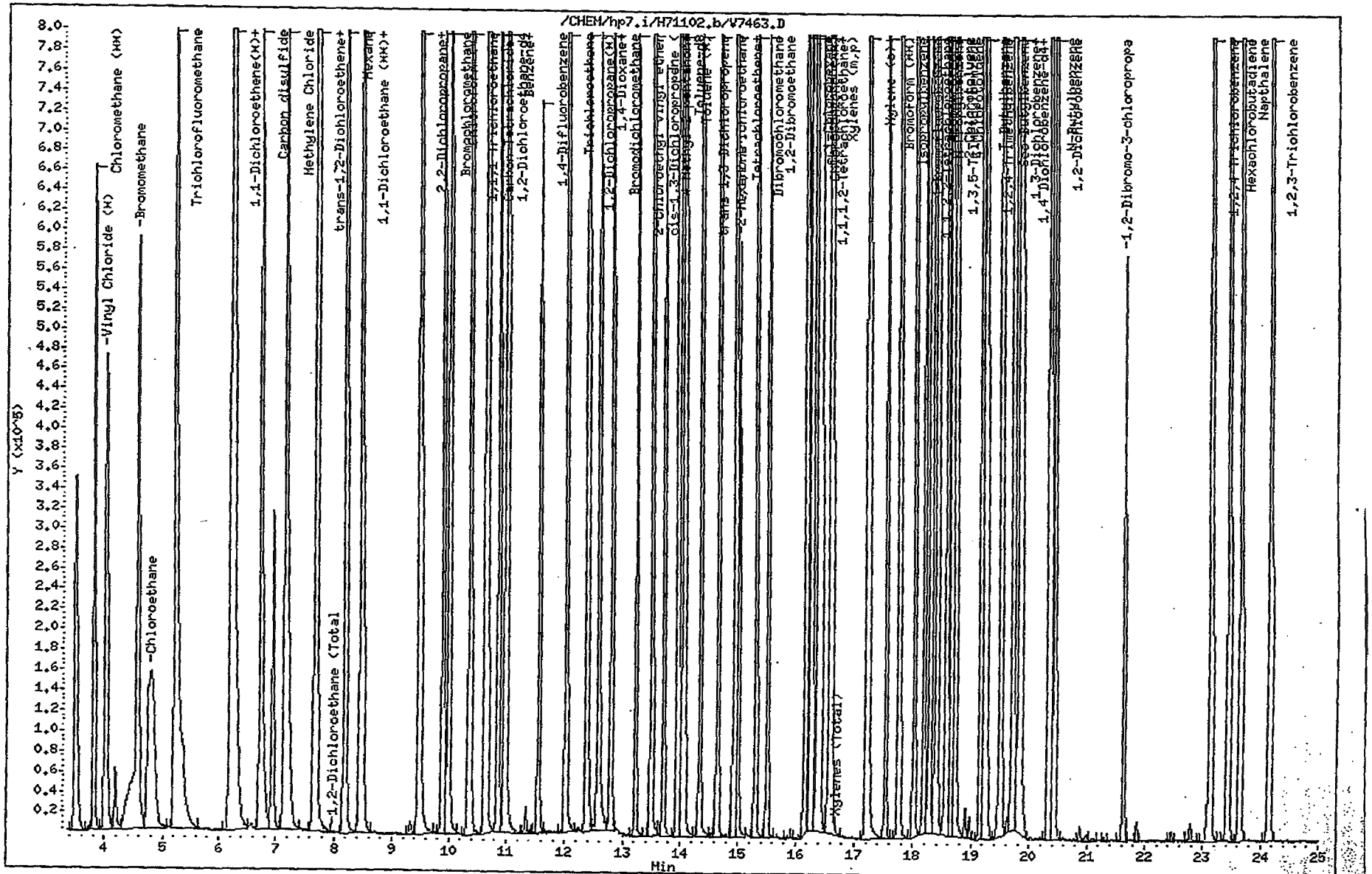
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /CHEM/hp7.i/H71102.b/V7463.D
Date : 02-NOV-2000 12:53
Client ID:
Sample Info: WSTD200;Barmbys;1;;6;;1

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53

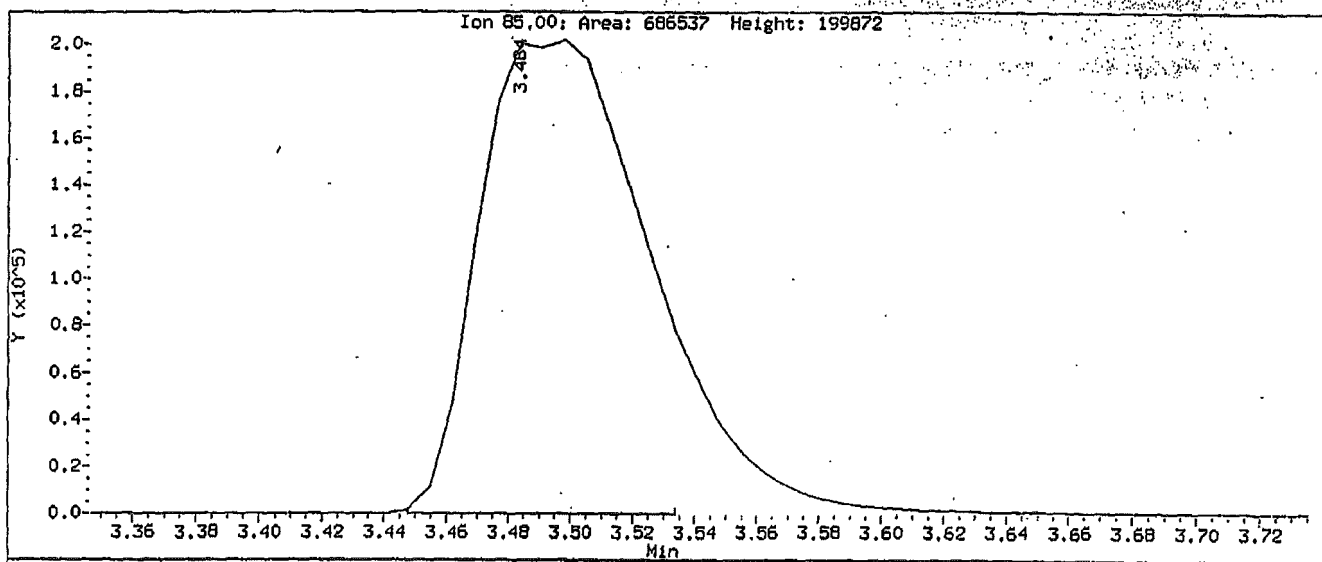
Column phase:

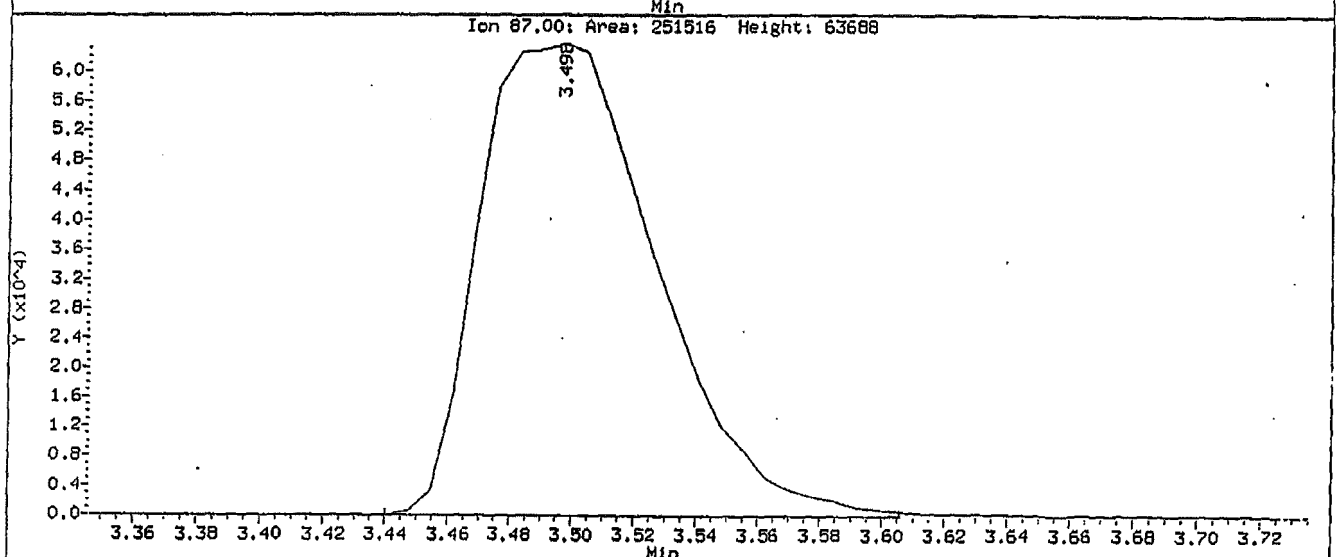


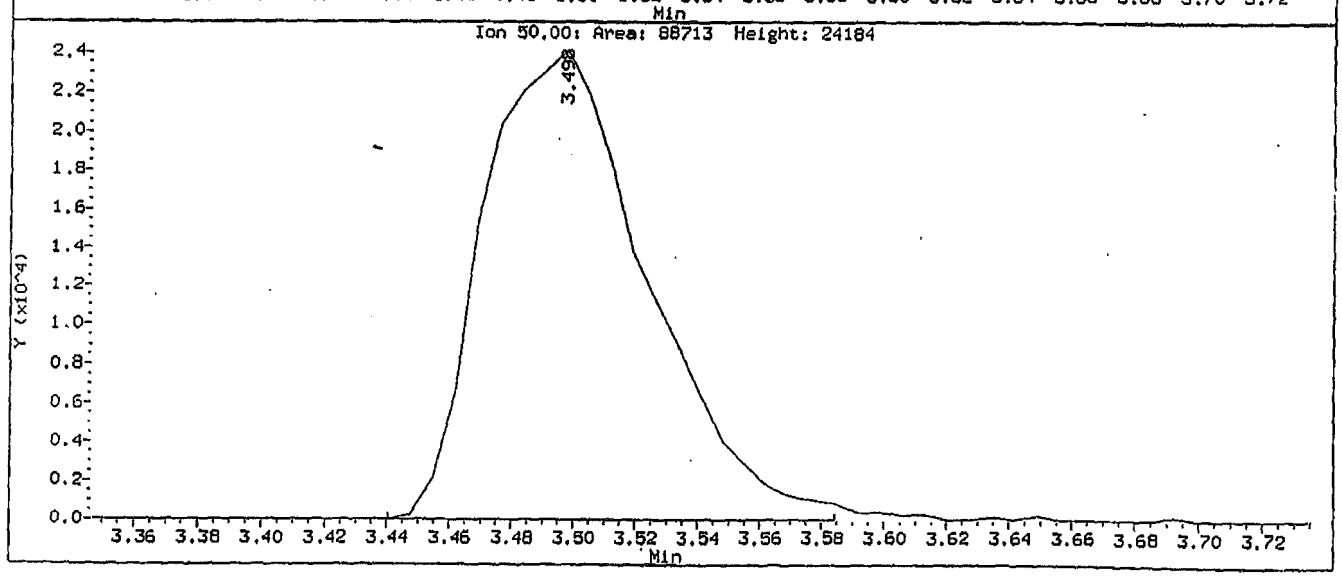
001939

Data File: /chem/hp7.i/H71102.b/V7463.D
Injection Date: 02-NOV-2000 12:53
Instrument: hp7.i
Client Sample ID:

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8

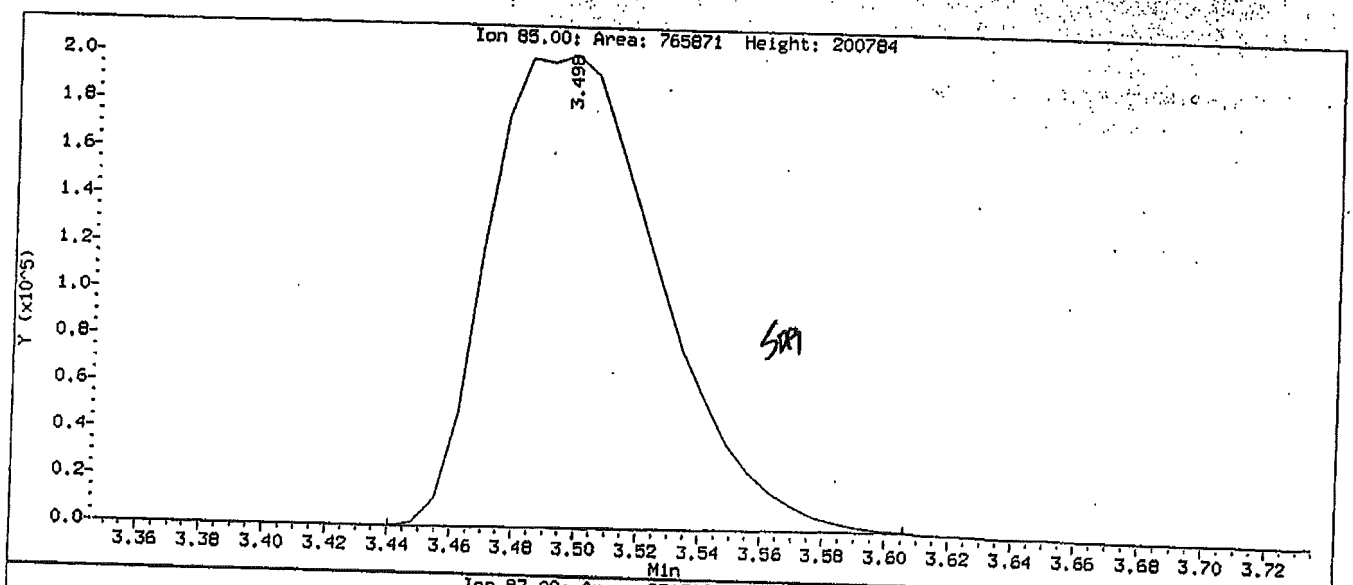




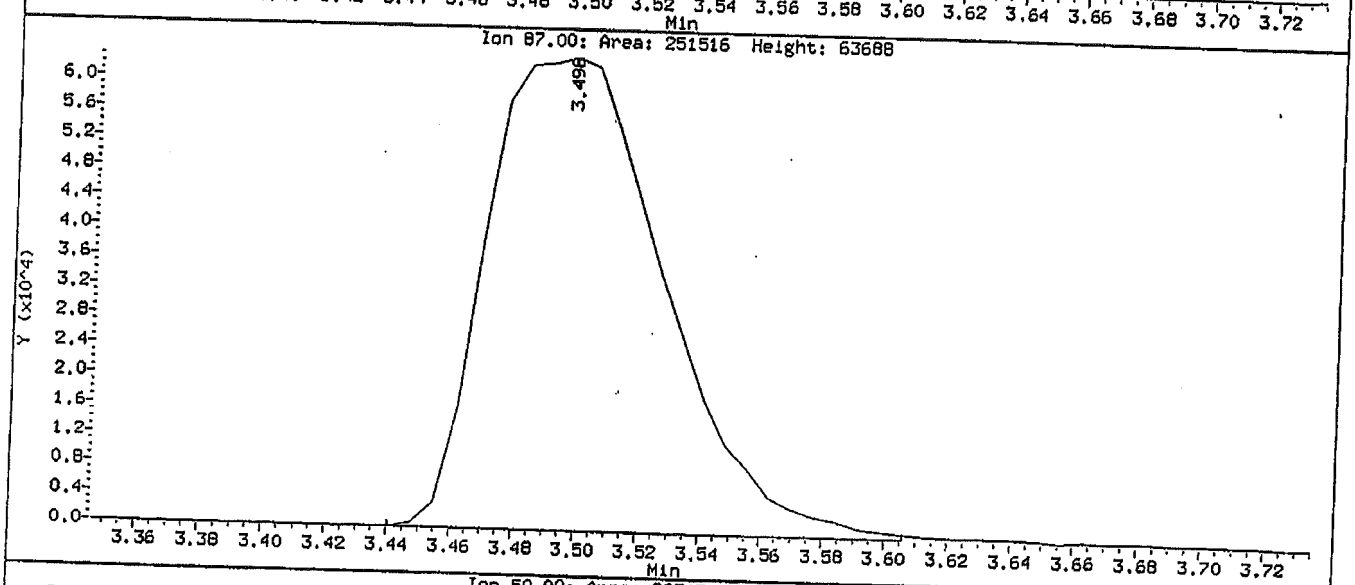


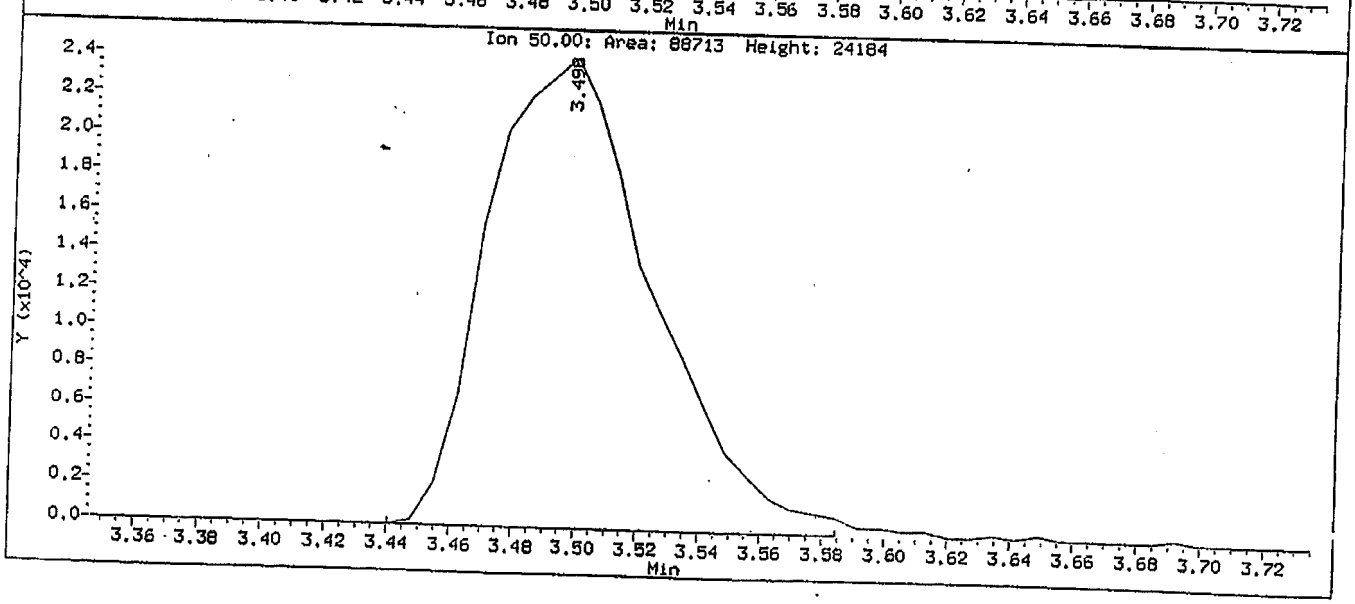
Data File: /chem/hp7.i/H71102.b/V7463.D
Injection Date: 02-NOV-2000 12:53
Instrument: hp7.i
Client Sample ID:

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



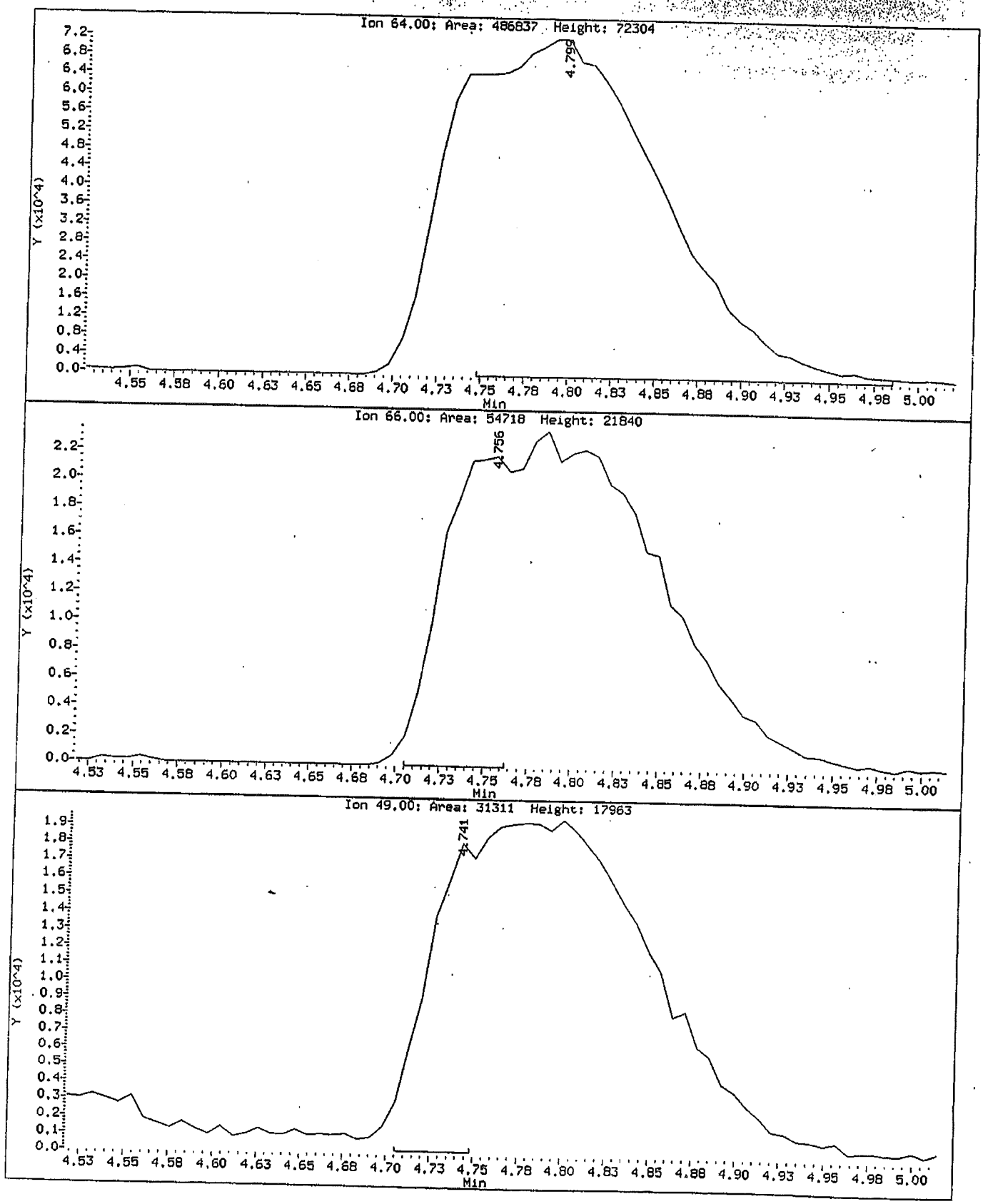
SPM





Data File: /chem/hp7.i/H71102.b/V7463.D
Injection Date: 02-NOV-2000 12:53
Instrument: hp7.i
Client Sample ID:

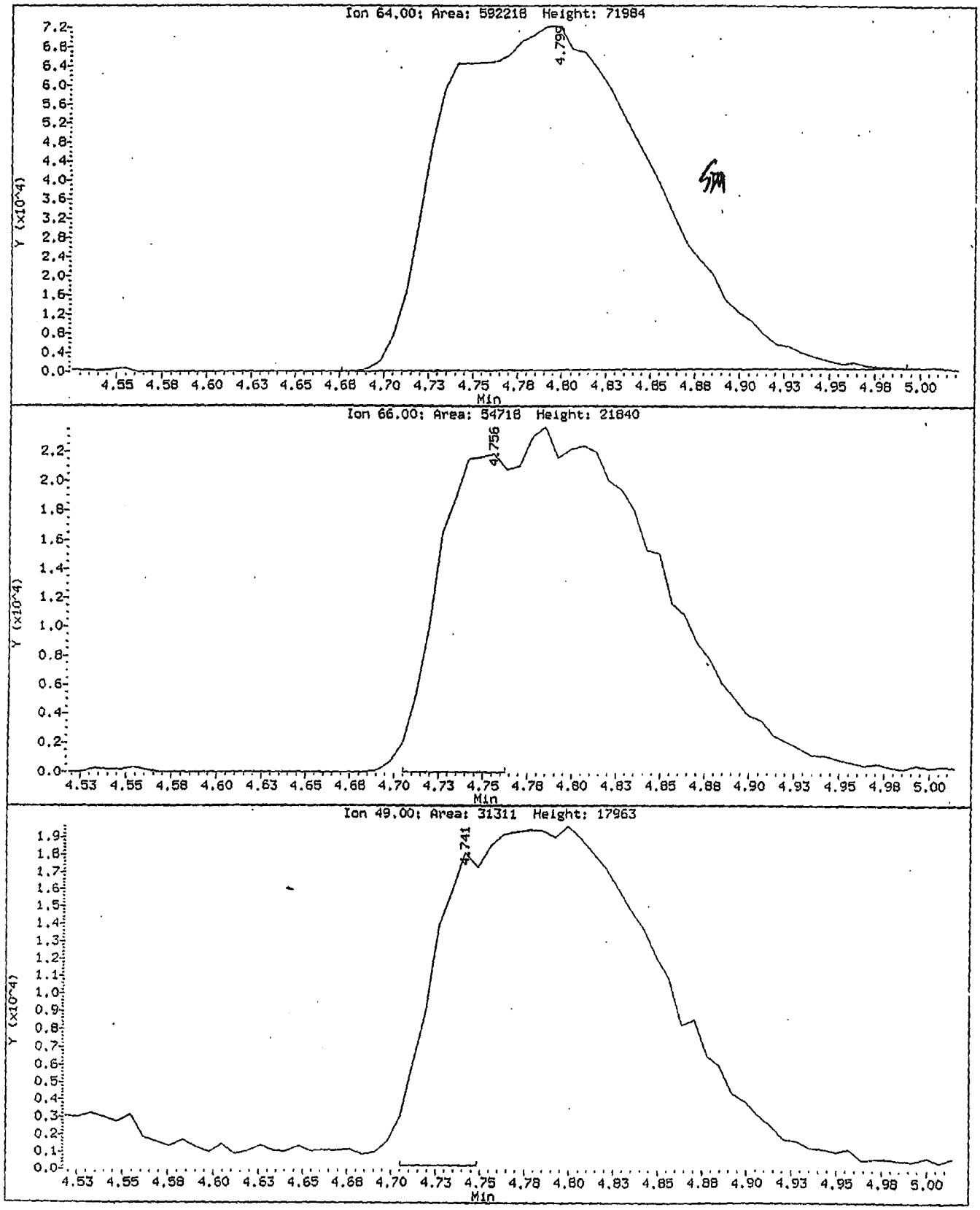
Compound: Chloroethane
CAS Number: 75-00-3



001942

Data File: /chem/hp7.i/H71102.b/V7463.D
Injection Date: 02-NOV-2000 12:53
Instrument: hp7.i
Client Sample ID:

Compound: Chloroethane
CAS Number: 75-00-3



STL Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp7.i
Lab File ID: V7465.D
Analysis Type: SOIL
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 02-NOV-2000 13:55
Init. Calibration Date(s): 02/17/0 11/02/0
Init. Calibration Times: 17:52 15:26
Method File: \chem\hp7.i\H71102.b\8260S.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
1 Dichlorodifluoromethane	0.338	0.323	0.010	4.4	50.0
2 Chloromethane (**)	0.371	0.349	0.100	6.1	50.0
3 Vinyl Chloride (*)	0.407	0.387	0.010	4.8	20.0
4 Bromomethane	0.252	0.248	0.010	1.8	50.0
5 Chloroethane	0.250	0.239	0.010	4.6	50.0
6 Trichlorofluoromethane	0.679	0.635	0.010	6.4	50.0
8 1,1-Dichloroethene(*)	0.334	0.317	0.010	5.1	20.0
9 Trichlorotrifluoroethane	0.304	0.289	0.010	4.8	50.0
10 Acetone	0.093	0.085	0.010	8.7	50.0
11 Carbon disulfide	0.826	0.789	0.010	4.4	50.0
12 Methylene Chloride	0.353	0.330	0.010	6.3	50.0
13 Hexane	0.346	0.338	0.010	2.3	50.0
14 trans-1,2-Dichloroethene	0.348	0.336	0.010	3.4	50.0
M 131 1,2-Dichloroethane (Total)	0.658	0.641	0.010	2.7	50.0
15 Methyl-t-butyl-ether	0.801	0.798	0.010	0.4	50.0
17 1,1-Dichloroethane (**)	0.606	0.578	0.100	4.6	50.0
18 Vinyl acetate	0.129	0.131	0.010	-1.5	50.0
20 2,2-Dichloropropane	0.562	0.544	0.010	3.3	50.0
21 cis 1,2-Dichloroethene	0.311	0.305	0.010	1.9	50.0
22 2-Butanone	0.115	0.115	0.010	0.1	50.0
23 Bromochloromethane	0.136	0.133	0.010	1.5	50.0
24 Chloroform (*)	0.639	0.612	0.010	4.3	20.0
25 1,1,1-Trichloroethane	0.586	0.569	0.010	2.9	50.0
27 Carbon Tetrachloride	0.505	0.495	0.010	1.9	50.0
28 1,1-Dichloropropene	0.459	0.466	0.010	-1.7	50.0
$ 29 1,2-Dichloroethane-d4	0.397	0.389	0.010	2.1	50.0
30 Benzene	1.253	1.214	0.010	3.1	50.0
31 1,2-Dichloroethane	0.519	0.498	0.010	4.0	50.0
33 Trichloroethene	0.373	0.360	0.010	3.4	50.0
34 1,2-Dichloropropane(*)	0.290	0.283	0.010	2.7	20.0
35 1,4-Dioxane	0.002	0.002	0.000	-1.6	50.0
36 Dibromomethane	0.184	0.178	0.010	3.1	50.0
37 Bromodichloromethane	0.455	0.443	0.010	2.6	50.0
38 2-Chloroethyl vinyl ether	0.133	0.136	0.010	-2.3	50.0
39 cis-1,3-Dichloropropene (Xt	0.483	0.496	0.010	-2.8	50.0

SM 11/2/0

STL Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp7.i
Lab File ID: V7465.D
Analysis Type: SOIL
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 02-NOV-2000 13:55
Init. Calibration Date(s): 02/17/0 11/02/0
Init. Calibration Times: 17:52 15:26
Method File: \chem\hp7.i\H71102.b\8260S.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
40 4-Methyl-2-pentanone	0.217	0.219	0.010	-1.0	50.0
$ 41 Toluene-d8	1.153	1.120	0.010	2.9	50.0
42 Toluene (*)	0.816	0.791	0.010	3.1	20.0
43 trans-1,3-Dichloropropene(x	0.463	0.470	0.010	-1.6	50.0
44 1,1,2-Trichloroethane	0.247	0.242	0.010	1.8	50.0
45 Tetrachloroethene	0.389	0.384	0.010	1.2	50.0
46 1,3-Dichloropropane	0.549	0.562	0.010	-2.3	50.0
47 2-Hexanone	0.185	0.199	0.010	-7.1	50.0
48 Dibromochloromethane	0.344	0.352	0.010	-2.5	50.0
49 1,2-Dibromoethane	0.295	0.308	0.010	-4.3	50.0
51 Chlorobenzene (**)	1.065	1.040	0.300	2.4	50.0
52 1-Chlorohexane	0.487	0.485	0.010	0.3	50.0
53 1,1,1,2-Tetrachloroethane	0.371	0.372	0.010	-0.3	50.0
54 Ethylbenzene (*)	0.600	0.599	0.010	0.1	20.0
M 132 Xylenes (Total)	0.631	0.623	0.010	1.3	50.0
55 Xylenes (m,p)	0.749	0.752	0.010	-0.4	50.0
56 Xylene (o)	0.717	0.732	0.010	-2.1	50.0
57 Styrene	1.194	1.224	0.010	-2.5	50.0
58 Bromoform (**)	0.196	0.206	0.100	-5.3	50.0
59 Isopropylbenzene	1.870	1.956	0.010	-4.6	50.0
$ 60 4-Bromofluorobenzene	0.548	0.559	0.010	-2.1	50.0
61 Bromobenzene	0.766	0.735	0.010	4.1	50.0
62 1,1,2,2-Tetrachloroethane(*	0.649	0.644	0.300	0.9	50.0
63 1,2,3-Trichloropropane	0.774	0.759	0.010	1.9	50.0
64 N-Propylbenzene	4.462	4.393	0.010	1.5	50.0
65 2-Chlorotoluene	2.654	2.584	0.010	2.6	50.0
66 4-Chlorotoluene	2.836	2.736	0.010	3.5	50.0
67 1,3,5-Trimethylbenzene	3.093	3.031	0.010	2.0	50.0
68 T-Butylbenzene	2.576	2.565	0.010	0.4	50.0
69 1,2,4-Trimethylbenzene	3.166	3.101	0.010	2.0	50.0
70 Sec-Butylbenzene	3.906	3.870	0.010	0.9	50.0
71 1,3-Dichlorobenzene	1.687	1.609	0.010	4.6	50.0
73 P-Isopropyltoluene	3.314	3.297	0.010	0.5	50.0
74 1,4-Dichlorobenzene	1.668	1.588	0.010	4.8	50.0
75 1,2-Dichlorobenzene	1.525	1.484	0.010	2.7	50.0

SSA 11/2/0

STL Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hp7.i
Lab File ID: V7465.D
Analysis Type: SOIL
Lab Sample ID: VSTD050
Quant Type: ISTD

Injection Date: 02-NOV-2000 13:55
Init. Calibration Date(s): 02/17/0 11/02/0
Init. Calibration Times: 17:52 15:26
Method File: \chem\hp7.i\H71102.b\8260S.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
76 N-Butylbenzene	3.450	3.448	0.010	0.1	50.0
77 1,2-Dibromo-3-chloropropane	0.166	0.172	0.010	-3.8	50.0
78 1,2,4-Trichlorobenzene	0.982	1.011	0.010	-3.0	50.0
79 Hexachlorobutadiene	0.558	0.549	0.010	1.5	50.0
80 Napthalene	2.341	2.504	0.010	-6.9	50.0
81 1,2,3-Trichlorobenzene	0.923	0.943	0.010	-2.1	50.0

SM 11/2/00

Data File: \CHEM\hp7.i\H71102.b\V7465.D
Report Date: 02-Nov-2000 14:20

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: V7465.D
Lab Smp Id: VSTD050
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71102.b\8260S.m
Misc Info: 2;SOIL;0;Q8260.sub;;0;5;5

Calibration Date: 11/02/0
Calibration Time: 1355

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	645142	322571	1290284	645142	0.00
50 Chlorobenzene-d5	539596	269798	1079192	539596	0.00
72 1,4 Dichlorobenze	314111	157056	628222	314111	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.56	0.00
50 Chlorobenzene-d5	16.21	15.71	16.71	16.21	0.00
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	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.

Data File: \CHEM\hp7.i\H71102.b\V7463.D
Report Date: 02-Nov-2000 13:19

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: V7463.D
Lab Smp Id: VSTD200
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71102.b\8260S.m
Misc Info: 2;SOIL;0;Q8260.sub;;0;5;5

Calibration Date: 11/02/0
Calibration Time: 1130

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	569546	284773	1139092	627745	10.22
50 Chlorobenzene-d5	443051	221526	886102	589586	33.07
72 1,4 Dichlorobenze	235404	117702	470808	332337	41.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.55	-0.03
50 Chlorobenzene-d5	16.21	15.71	16.71	16.21	-0.02
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	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.

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: V7464.D
Lab Smp Id: VSTD100
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71102.b\8260S.m
Misc Info: 2;SOIL;0;Q8260.sub;;0;5;5

Calibration Date: 11/02/0
Calibration Time: 1130

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	569546	284773	1139092	659635	15.82
50 Chlorobenzene-d5	443051	221526	886102	579264	30.74
72 1,4 Dichlorobenze	235404	117702	470808	327960	39.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.56	0.00
50 Chlorobenzene-d5	16.21	15.71	16.71	16.21	0.00
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	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.

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: V7466.D
Lab Smp Id: VSTD020
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71102.b\8260S.m
Misc Info: 2;SOIL;0;Q8260.sub;;0;5;5

Calibration Date: 11/02/0
Calibration Time: 1355

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	645142	322571	1290284	593234	-8.05
50 Chlorobenzene-d5	539596	269798	1079192	495122	-8.24
72 1,4 Dichlorobenze	314111	157056	628222	275255	-12.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.56	0.00
50 Chlorobenzene-d5	16.21	15.71	16.71	16.22	0.04
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	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.

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: V7467.D
Lab Smp Id: VSTD010
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71102.b\8260S.m
Misc Info: 2;SOIL;0;Q8260.sub;;0;5;5

Calibration Date: 11/02/0
Calibration Time: 1355

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	645142	322571	1290284	570516	-11.57
50 Chlorobenzene-d5	539596	269798	1079192	471974	-12.53
72 1,4 Dichlorobenze	314111	157056	628222	254651	-18.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.56	-0.00
50 Chlorobenzene-d5	16.21	15.71	16.71	16.21	-0.00
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	-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.

STL Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: hp7.i
Lab File ID: V7468.D
Lab Smp Id: VSTD005
Analysis Type: VOA
Quant Type: ISTD
Operator: Barmbys
Method File: \chem\hp7.i\H71102.b\8260S.m
Misc Info: 2;SOIL;0;Q8260.sub;;0;5;5

Calibration Date: 11/02/0
Calibration Time: 1355

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	645142	322571	1290284	574332	-10.98
50 Chlorobenzene-d5	539596	269798	1079192	464436	-13.93
72 1,4 Dichlorobenze	314111	157056	628222	243090	-22.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
32 1,4-Difluorobenze	11.56	11.06	12.06	11.56	0.00
50 Chlorobenzene-d5	16.21	15.71	16.71	16.22	0.05
72 1,4 Dichlorobenze	19.81	19.31	20.31	19.81	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.

STL Sacramento
GC/MS INSTRUMENT LOG

Page# 63
Book# 1633

VOLATILES

Standard ID's
Method 8260B
IS VMS149390001007A
SURR VMS149384000831E
TCL VMS149391001007B
ODD VMS149393001009A VMS149376001009B
MS VMS149392001007G VMS149395001009C
BFB VMS149349000503A

Inst ID : hp7.i
Batch ID : H71030.b
Init Cal : 10/30/00 all
Reviewed By/Date: KS 10/31/00
Matrix : SOIL
Level : LOW

Date	Time	Operator	Sample ID	File ID	Vol or Wt	MeOH (ml)	MeOH inj.	pH	SPG	Comments
30-OCT-2000	09:58	barmbys	50NG BFB 2UL	B7170.D	0 g				2	
30-OCT-2000	10:43	Barmbys	VSTD050	V7436.D	5 g				1	
30-OCT-2000	14:15	barmbys	50NG BFB 2UL	B7171.D	0 g				2	
30-OCT-2000	14:44	Barmbys	VSTD050	V7437.D	5 g				1	
30-OCT-2000	16:14	Barmbys	VSTD050	V7438.D	5 g				2	
30-OCT-2000	16:42	barmbys	50NG BFB 2UL	B7172.D	0 g				2	TCL clnr
30-OCT-2000	17:27	Barmbys	VSTD050	V7439.D	5 g				1	
30-OCT-2000	19:27	Barmbys	VSTD050	V7440.D	5 g				1	
30-OCT-2000	20:15	Barmbys	VSTD200	V7441.D	5 g				2	
30-OCT-2000	20:46	Barmbys	VSTD100	V7442.D	5 g				3	
30-OCT-2000	21:16	Barmbys	VSTD020	V7443.D	5 g				4	
30-OCT-2000	21:47	Barmbys	VSTD010	V7444.D	5 g				5	
30-OCT-2000	22:18	Barmbys	VSTD005	V7445.D	5 g				6	
30-OCT-2000	22:48	Barmbys	VSTD200 ap9	V7446.D	5 g				7	AP9 (0595)
30-OCT-2000	23:19	Barmbys	VSTD100 ap9	V7447.D	5 g				8	
30-OCT-2000	23:49	Barmbys	VSTD050 ap9	V7448.D	5 g				9	
31-OCT-2000	00:20	Barmbys	VSTD020 ap9	V7449.D	5 g				10	
31-OCT-2000	00:51	Barmbys	VSTD010 ap9	V7450.D	5 g				11	

STL Sacramento

Data file : \chem\hp7.i\H71030.b\B7172.D
Lab Smp Id: 50NG BFB 2UL DI
Inj Date : 30-OCT-2000 16:42
Operator : barmbys Inst ID: hp7.i
Smp Info : 50NG BFB 2UL DI;barmbys;;;;;;
Misc Info : 2;SOIL;0;;;;;;;;
Comment :
Method : \chem\hp7.i\H71030.b\BFB7.M
Meth Date : 25-Sep-2000 10:20 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.40 Sample Matrix: SOIL

Sm 10/30/00

Concentration Formula: Amt * DF * Uf * Vf

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.107	5.180	(0.000)	95	40840			0.00- 100.00	100.00
5.107	5.180	(0.000)	50	8322			15.00- 40.00	20.38
5.107	5.180	(0.000)	75	19784			30.00- 60.00	48.44
5.107	5.180	(0.000)	96	3202			5.00- 9.00	7.84
5.107	5.180	(0.000)	173	220			0.00- 2.00	0.76
5.107	5.180	(0.000)	174	28880			50.00- 0.00	70.71
5.107	5.180	(0.000)	175	2284			5.00- 9.00	7.91
5.107	5.180	(0.000)	176	28040			95.00- 101.00	97.09
5.107	5.180	(0.000)	177	1711			5.00- 9.00	6.10

Data File: /chem/hp7.i/H71030.b/B7172.D

Date : 30-OCT-2000 16:42

Client ID:

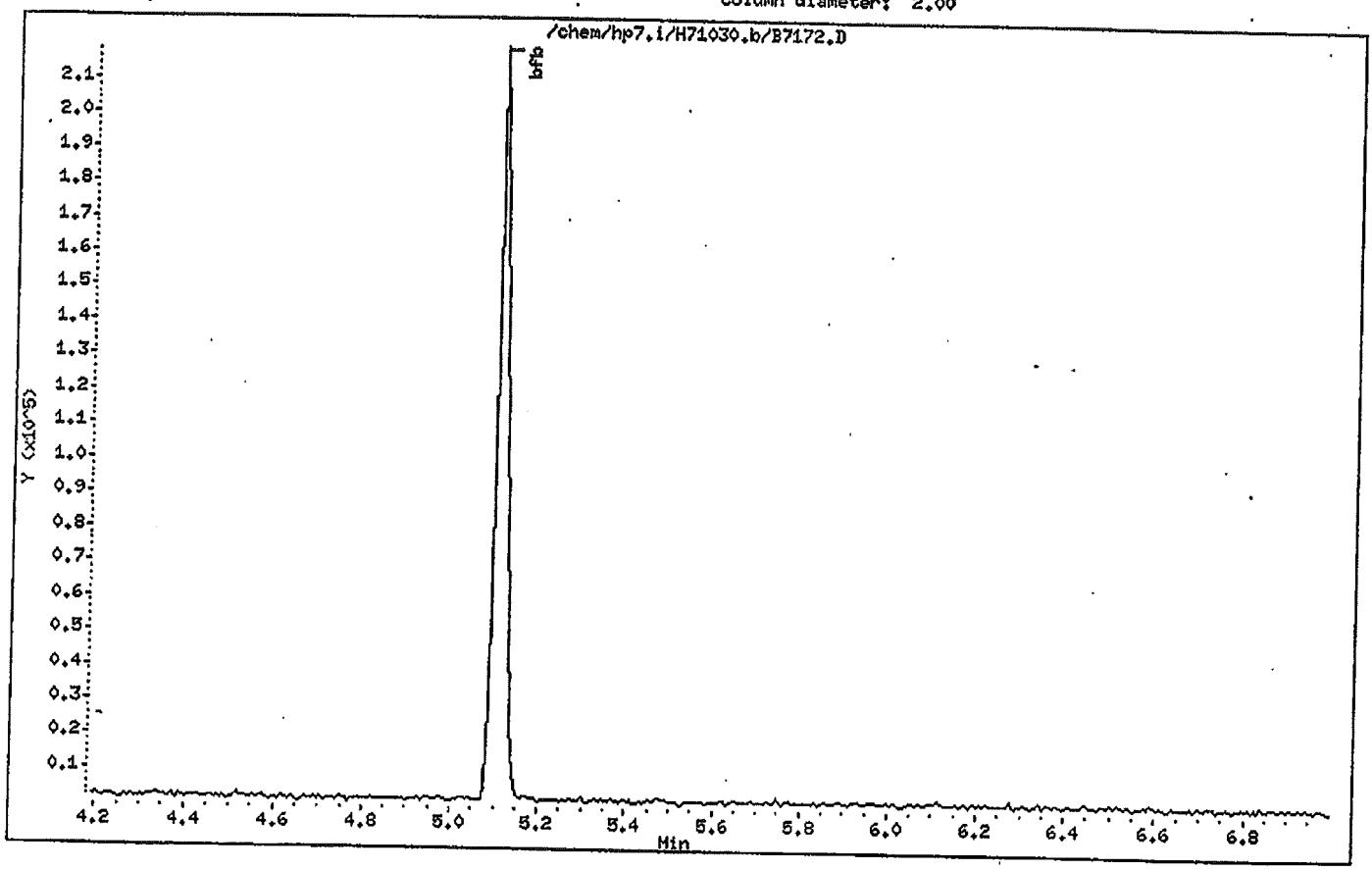
Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Instrument: hp7.i

Operator: barmbys

Column phase:

Column diameter: 2.00



Data File: /chem/hp7.i/H71030.b/B7172.D

Date : 30-OCT-2000 16:42

Client ID:

Instrument: hp7.i

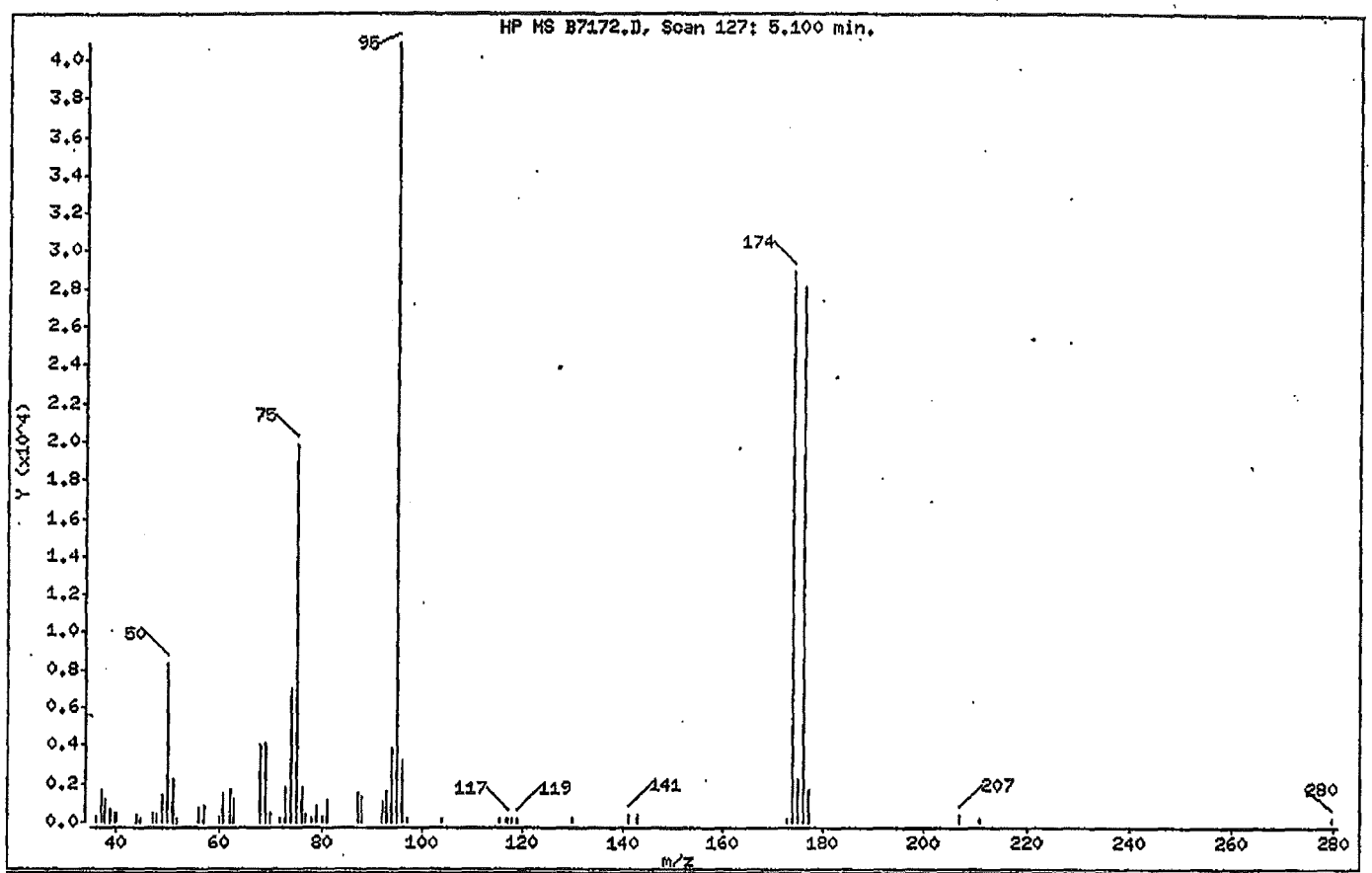
Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Operator: barmbys

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.38
75	30.00 - 60.00% of mass 95	48.44
96	5.00 - 9.00% of mass 95	7.84
173	Less than 2.00% of mass 174	0.54 (0.76)
174	Greater than 50.00% of mass 95	70.71
175	5.00 - 9.00% of mass 174	5.59 (7.91)
176	95.00 - 101.00% of mass 174	68.66 (97.09)
177	5.00 - 9.00% of mass 176	4.19 (6.10)

Data File: /chem/hp7.i/H71030.b/B7172.D

Date : 30-OCT-2000 16:42

Client ID:

Instrument: hp7.i

Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Operator: barmbys

Column phase:

Column diameter: 2.00

Data File: B7172.D
Spectrum: HP MS B7172.D, Scan 127: 5.100 min.
Location of Maximum: 94.95
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	293	60.05	248	79.95	248	118.95	226
37.10	1667	60.95	1521	80.95	1086	129.90	177
38.10	1220	62.05	1708	87.00	1516	140.85	420
39.05	623	63.05	1176	87.90	1327	142.90	406
39.95	442	68.00	4050	92.00	1061	172.75	220
43.95	383	69.00	4120	92.90	1597	173.95	28880
44.85	227	70.10	478	94.00	3883	174.85	2284
47.05	503	72.00	192	94.95	40840	175.95	28040
48.00	402	73.00	1772	95.95	3202	176.95	1711
49.00	1444	74.00	6967	97.05	157	206.85	332
50.00	8322	75.00	19784	104.00	159	211.05	159
51.00	2272	75.95	1759	115.25	160	279.80	218
51.90	224	76.95	340	116.65	184		
56.10	711	78.05	234	116.95	191		
57.05	880	78.85	819	117.85	174		

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 31-OCT-2000 00:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71030.b\8260S.m
Cal Date : 31-Oct-2000 11:24 barmbys
Curve Type : Average

Calibration File Names:
Level 1: \chem\hp7.i\H71030.b\V7450.D
Level 2: \chem\hp7.i\H71030.b\V7444.D
Level 3: \chem\hp7.i\H71030.b\V7443.D
Level 4: \chem\hp7.i\H71030.b\V7440.D
Level 5: \chem\hp7.i\H71030.b\V7442.D
Level 6: \chem\hp7.i\H71030.b\V7441.D

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
1 Dichlorodifluoromethane	0.25692	0.28219	0.27249	0.26890	0.24823	0.24560	0.26239	5.520
2 Chloromethane (**)	0.28821	0.31957	0.31032	0.29343	0.27988	0.28335	0.29579	5.340
3 Vinyl Chloride (*)	0.29961	0.32471	0.31772	0.29529	0.29439	0.28286	0.30243	5.200
4 Bromomethane	0.20073	0.21180	0.20688	0.19067	0.18373	0.14587	0.18995	12.596
5 Chloroethane	0.18272	0.18721	0.18810	0.17226	0.17367	0.16401	0.17800	5.368
6 Trichlorofluoromethane	0.47350	0.52461	0.49858	0.46306	0.45777	0.45980	0.47955	5.569
118 Acrolein	+++++	0.01703	0.01733	0.01555	0.01694	0.01350	0.01607	9.906
9 Trichlorotrifluoroethane	+++++	0.24996	0.23215	0.21560	0.21481	0.22474	0.22745	6.358
8 1,1-Dichloroethene(*)	0.26136	0.28131	0.27489	0.25753	0.25078	0.24859	0.26241	5.010
10 Acetone	+++++	0.07013	0.05923	0.04607	0.04935	0.04691	0.05434	18.895
119 Iodomethane	+++++	0.29844	0.28960	0.29332	0.28654	0.22086	0.27775	11.562
11 Carbon disulfide	+++++	0.66079	0.62849	0.59592	0.61568	0.63672	0.62752	3.847
120 Acetonitrile	+++++	0.03901	0.03330	0.03769	0.03867	0.04180	0.03809	8.096
121 Allyl Chloride	+++++	0.12880	0.12015	0.12271	0.12778	0.12721	0.12533	2.967
12 Methylene Chloride	0.26911	0.28154	0.27496	0.25259	0.25093	0.24677	0.26265	5.493
7 t-Butanol	+++++	0.02819	0.02587	0.02009	0.02282	0.02146	0.02369	13.957
122 Acrylonitrile	+++++	0.06483	0.06015	0.05287	0.05538	0.05170	0.05698	9.572
15 Methyl-t-butyl-ether	+++++	0.59322	0.58173	0.52374	0.55335	0.54198	0.55881	5.102
14 trans-1,2-Dichloroethene	0.28822	0.31156	0.30539	0.28733	0.27988	0.27612	0.29142	4.841
M 131 1,2-Dichloroethane (Total)	0.56346	0.62796	0.62955	0.59967	0.59014	0.57975	0.59842	4.410
13 Hexane	+++++	0.36044	0.35064	0.29374	0.33611	0.35350	0.33889	7.894
18 Vinyl acetate	+++++	0.06020	0.08098	0.10004	0.08608	0.09910	0.08528	19.062
17 1,1-Dichloroethane (**)	0.54165	0.58712	0.58257	0.55358	0.53432	0.52635	0.55426	4.577
16 Isopropyl ether	+++++	0.83347	0.79575	0.71845	0.77973	0.77744	0.78097	5.317
123 Chloroprene	+++++	0.51703	0.51277	0.48137	0.45418	0.46493	0.48606	5.780

MJ 11/8/00

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 31-OCT-2000 00:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71030.b\8260S.m
Cal Date : 31-Oct-2000 11:24 barmbys
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
19 t-Butyl-ethyl-ether	+++++	0.75590	0.73847	0.67293	0.72772	0.73764	0.72653	4.354	
22 2-Butanone	+++++	0.10519	0.10249	0.08916	0.09803	0.09395	0.09776	6.591	
21 cis 1,2-Dichloroethene	0.27525	0.31640	0.32416	0.31234	0.31026	0.30362	0.30700	5.531	
20 2,2-Dichloropropane	0.43028	0.48531	0.49332	0.48647	0.48624	0.48943	0.47851	4.976	
124 Propionitrile	+++++	0.02642	0.02607	0.02188	0.02574	0.02525	0.02507	7.313	
125 Methacrylonitrile	+++++	0.10521	0.10787	0.10740	0.11841	0.12078	0.11193	6.354	
23 Bromochloromethane	0.13522	0.14841	0.14694	0.13833	0.13873	0.13658	0.14070	3.956	
24 Chloroform (*)	0.54271	0.59786	0.59543	0.55176	0.55094	0.53864	0.56289	4.730	
25 1,1,1-Trichloroethane	0.46918	0.52398	0.52592	0.50545	0.49828	0.49850	0.50355	4.124	
28 1,1-Dichloropropene	0.38560	0.44792	0.46277	0.43912	0.43703	0.42992	0.43373	6.026	
27 Carbon Tetrachloride	0.36949	0.40767	0.42614	0.42437	0.42474	0.43565	0.41468	5.765	
127 Isobutanol	+++++	0.00863	0.00869	0.00793	0.00928	0.00928	0.00876	6.371	<-
30 Benzene	1.14527	1.24934	1.27226	1.19512	1.16277	1.11092	1.18928	5.225	
31 1,2-Dichloroethane	0.40490	0.43507	0.44351	0.39929	0.40031	0.38351	0.41110	5.632	
126 Cyclohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
26 t-Amyl-methyl-ether	+++++	0.66146	0.65042	0.60119	0.64298	0.64702	0.64062	3.603	
33 Trichloroethene	0.33837	0.38339	0.36220	0.34117	0.34445	0.33588	0.35091	5.258	
34 1,2-Dichloropropane(*)	0.26259	0.28226	0.29351	0.27581	0.27508	0.26938	0.27644	3.859	
128 Methyl Methacrylate	+++++	0.18540	0.19335	0.18979	0.18664	0.18855	0.18875	1.631	
35 1,4-Dioxane	+++++	0.00211	0.00230	0.00203	0.00233	0.00227	0.00221	6.011	
36 Dibromomethane	0.16243	0.17259	0.17280	0.16056	0.16216	0.15687	0.16457	4.010	
37 Bromodichloromethane	0.35898	0.40634	0.41058	0.39987	0.40065	0.39585	0.39538	4.696	
38 2-Chloroethyl vinyl ether	+++++	0.09979	0.11957	0.10989	0.12523	0.12464	0.11582	9.383	
39 cis-1,3-Dichloropropene (xtr)	0.39065	0.45262	0.47643	0.46798	0.47061	0.46665	0.45416	7.067	
40 4-Methyl-2-pentanone	+++++	0.17624	0.20046	0.17300	0.19796	0.19022	0.18758	6.648	
42 Toluene (*)	0.73027	0.81160	0.81087	0.76926	0.77003	0.75762	0.77494	4.075	
43 trans-1,3-Dichloropropene(xt)	0.34866	0.39630	0.42461	0.41677	0.43300	0.42787	0.40787	7.777	
129 Ethyl Methacrylate	+++++	0.22708	0.26063	0.28187	0.29655	0.30526	0.27428	11.425	
44 1,1,2-Trichloroethane	0.21842	0.23263	0.24145	0.22630	0.22804	0.22292	0.22829	3.517	
46 1,3-Dichloropropane	0.48754	0.52098	0.54718	0.51684	0.50604	0.48822	0.51114	4.406	
45 Tetrachloroethene	0.40313	0.43584	0.43256	0.42829	0.41523	0.43324	0.42472	3.028	
47 2-Hexanone	+++++	0.14571	0.16534	0.14885	0.16908	0.16336	0.15847	6.611	
48 Dibromochloromethane	0.27424	0.31869	0.33108	0.33831	0.33651	0.33880	0.32294	7.745	

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 31-OCT-2000 00:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71030.b\8260S.m
Cal Date : 31-Oct-2000 11:24 barmbys
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
	49 1,2-Dibromoethane	0.27868	0.29225	0.30148	0.28849	0.28927	0.28410	0.28905	2.667
	52 1-Chlorohexane	+++++	0.46766	0.47069	0.46535	0.47992	0.49861	0.47644	2.849
	51 Chlorobenzene (**)	1.02678	1.12264	1.10363	1.05754	1.02737	1.00990	1.05798	4.329
	53 1,1,1,2-Tetrachloroethane	0.31763	0.34336	0.36206	0.35997	0.35950	0.36918	0.35195	5.349
	54 Ethylbenzene (*)	0.51419	0.61176	0.62599	0.60348	0.59219	0.59169	0.58988	6.655
	55 Xylenes (m,p)	0.66398	0.75302	0.75470	0.73867	0.72040	0.70741	0.72303	4.745
M	132 Xylenes (Total)	0.52666	0.59916	0.60854	0.58377	0.59556	0.58749	0.58353	5.005
	56 Xylene (o)	0.60286	0.70659	0.72423	0.70793	0.70060	0.70652	0.69145	6.381
	57 Styrene	0.96702	1.15427	1.20323	1.17805	1.16187	1.15784	1.13705	7.495
	58 Bromoform (**)	0.15918	0.16522	0.19409	0.20212	0.20706	0.21239	0.19001	11.815
	59 Isopropylbenzene	1.52526	1.83020	1.90027	1.85466	1.79207	1.72221	1.77078	7.594
	62 1,1,2,2-Tetrachloroethane(**)	0.56201	0.60167	0.64746	0.62291	0.60632	0.57572	0.60268	5.146
	130 T-1,4-Dichloro-2-Butene	+++++	0.06685	0.07462	0.08724	0.10599	0.11252	0.08944	21.948
	63 1,2,3-Trichloropropane	0.67979	0.69852	0.73575	0.67011	0.66348	0.62690	0.67909	5.365
	61 Bromobenzene	0.75924	0.82090	0.84242	0.80311	0.80171	0.80796	0.80589	3.405
	64 N-Propylbenzene	3.88044	4.45068	4.52422	4.34742	4.12720	3.78008	4.18501	7.342
	65 2-Chlorotoluene	2.31790	2.60677	2.61837	2.50290	2.40073	2.31416	2.46014	5.557
	67 1,3,5-Trimethylbenzene	2.71824	3.07779	3.11589	2.99826	2.88340	2.78181	2.92923	5.505
	66 4-Chlorotoluene	2.48919	2.75046	2.73843	2.62026	2.50692	2.40679	2.58534	5.448
	68 T-Butylbenzene	2.17630	2.57699	2.60674	2.59902	2.50289	2.44143	2.48390	6.586
	69 1,2,4-Trimethylbenzene	2.74555	3.09194	3.11830	3.00771	2.90596	2.80485	2.94572	5.182
	70 Sec-Butylbenzene	3.30648	3.89682	3.95381	3.82046	3.63827	3.43721	3.67551	7.113
	73 P-Isopropyltoluene	2.75055	3.27574	3.33888	3.26217	3.16450	3.07831	3.14503	6.802
	71 1,3-Dichlorobenzene	1.58113	1.69414	1.69615	1.62992	1.62323	1.65378	1.64639	2.700
	74 1,4-Dichlorobenzene	1.60802	1.74294	1.71540	1.62058	1.58953	1.58207	1.64309	4.175
	76 N-Butylbenzene	2.78140	3.28475	3.27139	3.23616	3.12525	2.98740	3.11439	6.351
	75 1,2-Dichlorobenzene	1.46674	1.58252	1.57324	1.47043	1.45065	1.43704	1.49677	4.277
	77 1,2-Dibromo-3-chloropropane	+++++	0.12686	0.13899	0.13474	0.13856	0.13148	0.13413	3.790
	78 1,2,4-Trichlorobenzene	0.97093	1.06873	1.11478	1.05233	1.07577	1.10342	1.06433	4.807
	79 Hexachlorobutadiene	0.56864	0.61817	0.60151	0.57933	0.58860	0.62432	0.59676	3.673
	80 Napthalene	2.29744	2.50627	2.68907	2.19065	2.29515	2.05986	2.33974	9.635
	81 1,2,3-Trichlorobenzene	0.90844	0.99814	1.05508	0.94719	0.97844	0.96990	0.97620	5.056

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 31-OCT-2000 00:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71030.b\8260S.m
Cal Date : 31-Oct-2000 11:24 barmbys
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
$ 29 1,2-Dichloroethane-d4	+++++	0.32373	0.34058	0.30278	0.30317	0.29021	0.31209	6.392
$ 41 Toluene-d8	+++++	1.07021	1.10383	1.03422	1.03967	1.01152	1.05169	3.403
$ 60 4-Bromofluorobenzene	+++++	0.49112	0.52204	0.47598	0.47256	0.47532	0.48741	4.243

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7450a.D
Lab Smp Id: VSTD010 ap9/0xy
Inj Date : 31-OCT-2000 00:51
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD010 ap9/0xy;Barmbys;1;;2;;1
Misc Info : 2;SOIL;0;3oxys.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:24 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 11 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3oxys.sub
Target Version: 3.40
Processing Host: SACP2006

11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
7 t-Butanol	59	7.318	7.318	(0.633)	126987	250.000	297.547
19 t-Butyl-ethyl-ether	59	9.201	9.201	(0.796)	136187	10.0000	10.4042
16 Isopropyl ether	45	8.554	8.554	(0.740)	150162	10.0000	10.6722
26 t-Amyl-methyl-ether	73	11.134	11.134	(0.963)	119172	10.0000	10.3253
* 32 1,4-Difluorobenzene	114	11.565	11.565	(1.000)	900829	50.0000	
* 50 Chlorobenzene-d5	117	16.215	16.215	(1.000)	719990	50.0000	
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.815	(1.000)	365238	50.0000	

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7450a.D
Lab Smp Id: VSTD010 ap9/0xy
Inj Date : 31-OCT-2000 00:51
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD010 ap9/0xy;Barmbys;1;;2;;1
Misc Info : 2;SOIL;0;3oxys.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:02 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 11 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3oxys.sub
Target Version: 3.40
Processing Host: SACP2006

11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

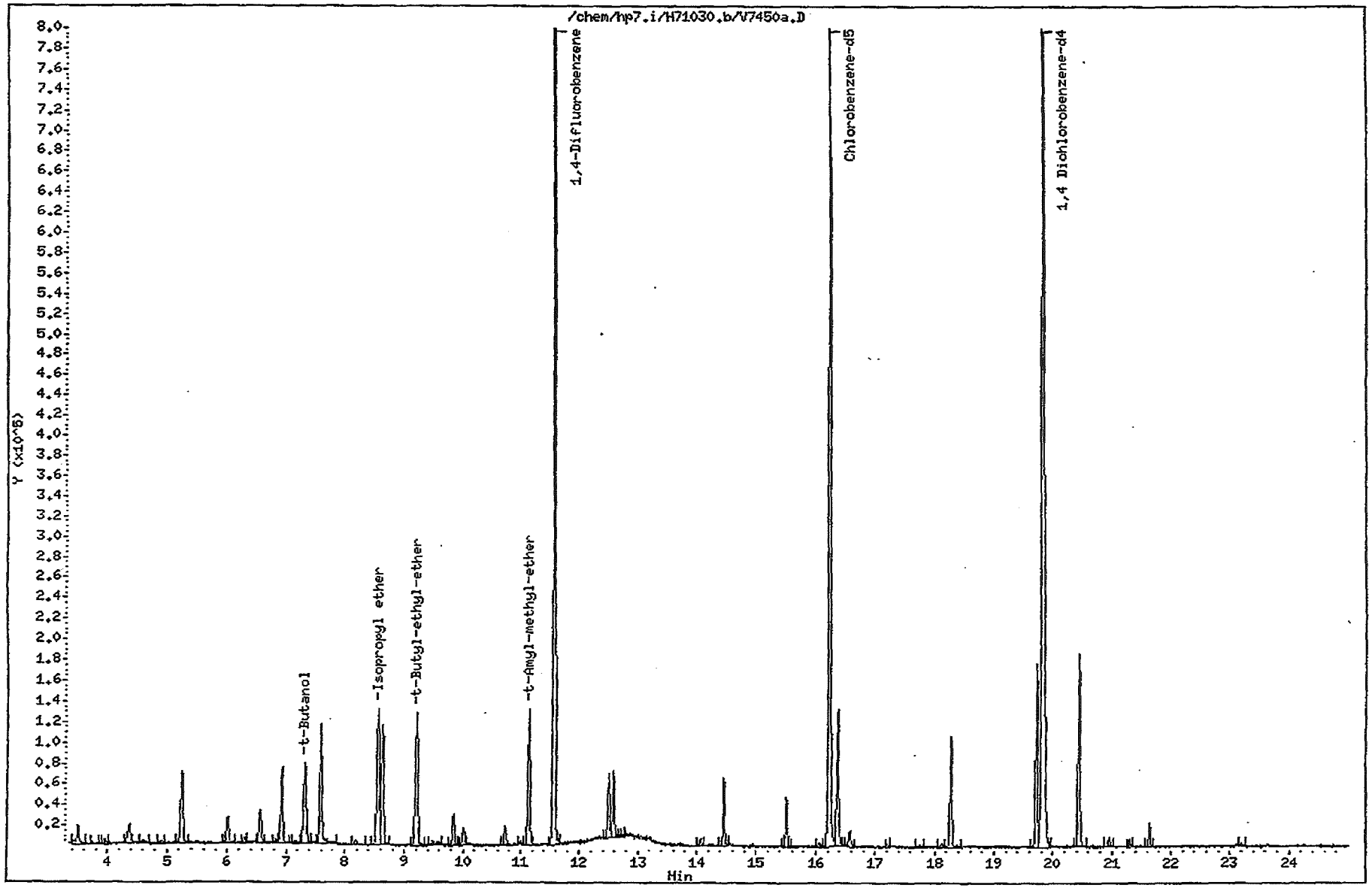
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
7 t-Butanol	59	7.318	7.318	(0.633)	126987	10.0000	11.9019
19 t-Butyl-ethyl-ether	59	9.201	9.201	(0.796)	136187	10.0000	10.4042
16 Isopropyl ether	45	8.554	8.554	(0.740)	150162	10.0000	10.6722
26 t-Amyl-methyl-ether	73	11.134	11.134	(0.963)	119172	10.0000	10.3253
* 32 1,4-Difluorobenzene	114	11.565	11.565	(1.000)	900829	50.0000	
* 50 Chlorobenzene-d5	117	16.215	16.215	(1.000)	719990	50.0000	
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.815	(1.000)	365238	50.0000	

Data File: /chem/hp7.i/H71030.b/V7450a.D
Date : 31-OCT-2000 00:51
Client ID:
Sample Info: VSTD010 ap9/Oxy:Barmbys:1:;2:;1

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7449a.D
Lab Smp Id: VSTD020 ap9/0xy
Inj Date : 31-OCT-2000 00:20
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD020 ap9/0xy;Barmbys;1;;3;;1
Misc Info : 2;SOIL;0;3oxys.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:24 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3oxys.sub
Target Version: 3.40
Processing Host: SACP2006

SPR 11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
7 t-Butanol	59	7.318	7.318	(0.633)	246291	500.000	546.094
19 t-Butyl-ethyl-ether	59	9.200	9.200	(0.796)	281200	20.0000	20.3287
16 Isopropyl ether	45	8.554	8.554	(0.740)	303010	20.0000	20.3786
26 t-Amyl-methyl-ether	73	11.133	11.133	(0.963)	247671	20.0000	20.3061
* 32 1,4-Difluorobenzene	114	11.565	11.565	(1.000)	951964	50.0000	
* 50 Chlorobenzene-d5	117	16.214	16.214	(1.000)	766268	50.0000	
* 72 1,4 Dichlorobenzene-d4	152	19.807	19.807	(1.000)	399341	50.0000	

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7449a.D
Lab Smp Id: VSTD020 ap9/0xy
Inj Date : 31-OCT-2000 00:20
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD020 ap9/0xy;Barmbys;1;;3;;1
Misc Info : 2;SOIL;0;3oxys.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:02 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3oxys.sub
Target Version: 3.40
Processing Host: SACP2006

11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
7 t-Butanol	59	7.318	7.318	(0.633)	246291	20.0000	24.5623
19 t-Butyl-ethyl-ether	59	9.200	9.200	(0.796)	281200	20.0000	21.6973
16 Isopropyl ether	45	8.554	8.554	(0.740)	303010	20.0000	20.9022
26 t-Amyl-methyl-ether	73	11.133	11.133	(0.963)	247671	20.0000	23.1294
* 32 1,4-Difluorobenzene	114	11.565	11.565	(1.000)	951964	50.0000	
* 50 Chlorobenzene-d5	117	16.214	16.214	(1.000)	766268	50.0000	
* 72 1,4 Dichlorobenzene-d4	152	19.807	19.807	(1.000)	399341	50.0000	

Data File: /chem/hp7.i/H71030.b/V7449a.D

Date : 31-OCT-2000 00:20

Client ID:

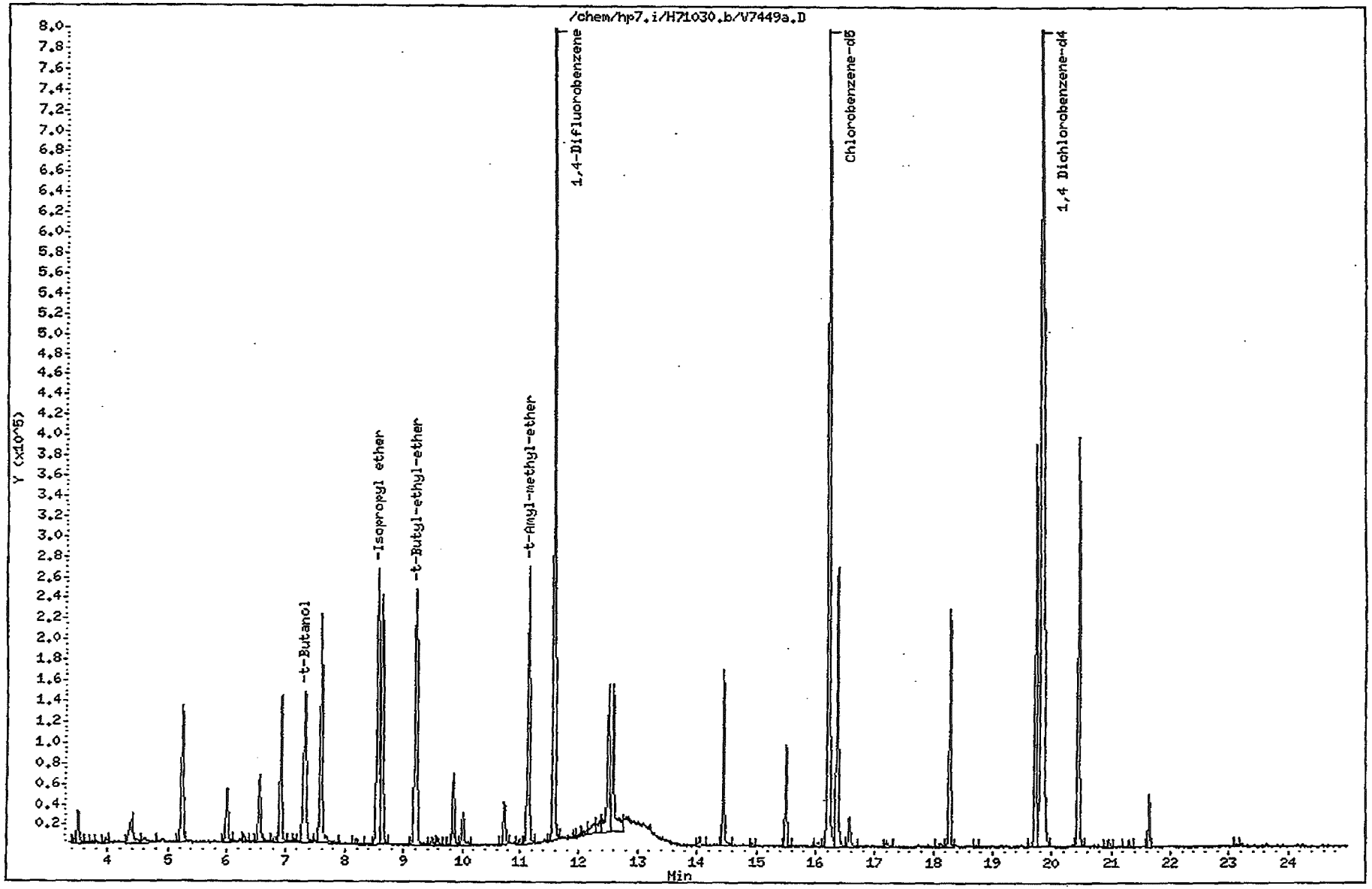
Sample Info: VSTD020 ap9/Oxy;Barmbys;1;;3;;1

Column phase:

Instrument: hp7.i

Operator: Barmbys

Column diameter: 0.53



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STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7448a.D
Lab Smp Id: VSTD050 ap9/0xy
Inj Date : 30-OCT-2000 23:49
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD050 ap9/0xy;Barmbys;1;;4;;1
Misc Info : 2;SOIL;0;3oxys.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:24 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3oxys.sub
Target Version: 3.40
Processing Host: SACP2006

STP 11/28/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
7 t-Butanol	59	7.328	7.328	(0.634)	482836	1250.00	1059.96(A)
19 t-Butyl-ethyl-ether	59	9.197	9.197	(0.795)	647020	50.0000	46.3112
16 Isopropyl ether	45	8.557	8.557	(0.740)	690787	50.0000	45.9975
26 t-Amyl-methyl-ether	73	11.137	11.137	(0.963)	578042	50.0000	46.9229
* 32 1,4-Difluorobenzene	114	11.561	11.561	(1.000)	961495	50.0000	
* 50 Chlorobenzene-d5	117	16.211	16.211	(1.000)	787632	50.0000	
* 72 1,4 Dichlorobenzene-d4	152	19.811	19.811	(1.000)	414185	50.0000	

QC Flag Legend

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

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7448a.D
Lab Smp Id: VSTD050 ap9/0xy
Inj Date : 30-OCT-2000 23:49
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD050 ap9/0xy;Barmbys;1;;4;;1
Misc Info : 2;SOIL;0;3oxys.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:01 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3oxys.sub
Target Version: 3.40
Processing Host: SACP2006

SG 11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

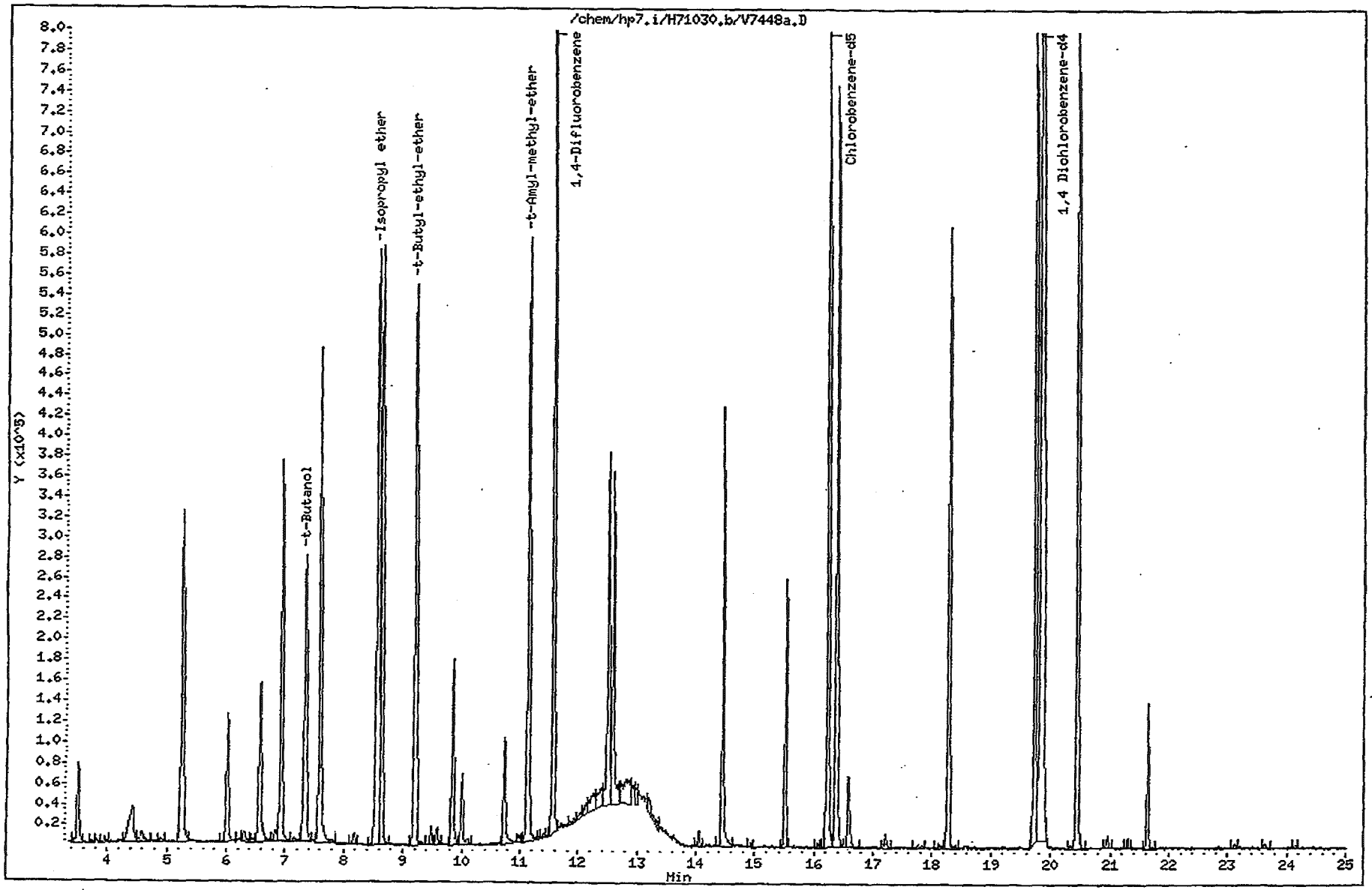
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
7 t-Butanol	59	7.328	7.328	(0.634)	482836	50.0000	51.8887
19 t-Butyl-ethyl-ether	59	9.197	9.197	(0.795)	647020	50.0000	50.9709
16 Isopropyl ether	45	8.557	8.557	(0.740)	690787	50.0000	46.6726
26 t-Amyl-methyl-ether	73	11.137	11.137	(0.963)	578042	50.0000	59.4392
* 32 1,4-Difluorobenzene	114	11.561	11.561	(1.000)	961495	50.0000	
* 50 Chlorobenzene-d5	117	16.211	16.211	(1.000)	787632	50.0000	
* 72 1,4 Dichlorobenzene-d4	152	19.811	19.811	(1.000)	414185	50.0000	

Data File: /chem/hp7.i/H71030.b/V7448a.D
Date : 30-OCT-2000 23:49
Client ID:
Sample Info: VSTD050 ap9/Oxy;Barmbys;1;;4;;1

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7447a.D
Lab Smp Id: VSTD100 ap9/0xy
Inj Date : 30-OCT-2000 23:19
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD100 ap9/0xy;Barmbys;1;;5;;1
Misc Info : 2;SOIL;0;3oxys.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:24 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3oxys.sub
Target Version: 3.40
Processing Host: SACP2006

SMB 11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
7 t-Butanol	59	7.354	7.354	(0.636)	1081239	2500.00	2408.77(A)
19 t-Butyl-ethyl-ether	59	9.201	9.201	(0.796)	1378980	100.000	100.163
16 Isopropyl ether	45	8.554	8.554	(0.740)	1477540	100.000	99.8415
26 t-Amyl-methyl-ether	73	11.134	11.134	(0.963)	1218413	100.000	100.370
* 32 1,4-Difluorobenzene	114	11.565	11.565	(1.000)	947469	50.0000	
* 50 Chlorobenzene-d5	117	16.215	16.215	(1.000)	759426	50.0000	
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.815	(1.000)	407925	50.0000	

QC Flag Legend

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

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7447a.D
Lab Smp Id: VSTD100 ap9/0xy
Inj Date : 30-OCT-2000 23:19
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD100 ap9/0xy;Barmbys;1;;5;;1
Misc Info : 2;SOIL;0;3oxys.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:01 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3oxys.sub
Target Version: 3.40
Processing Host: SACP2006

11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

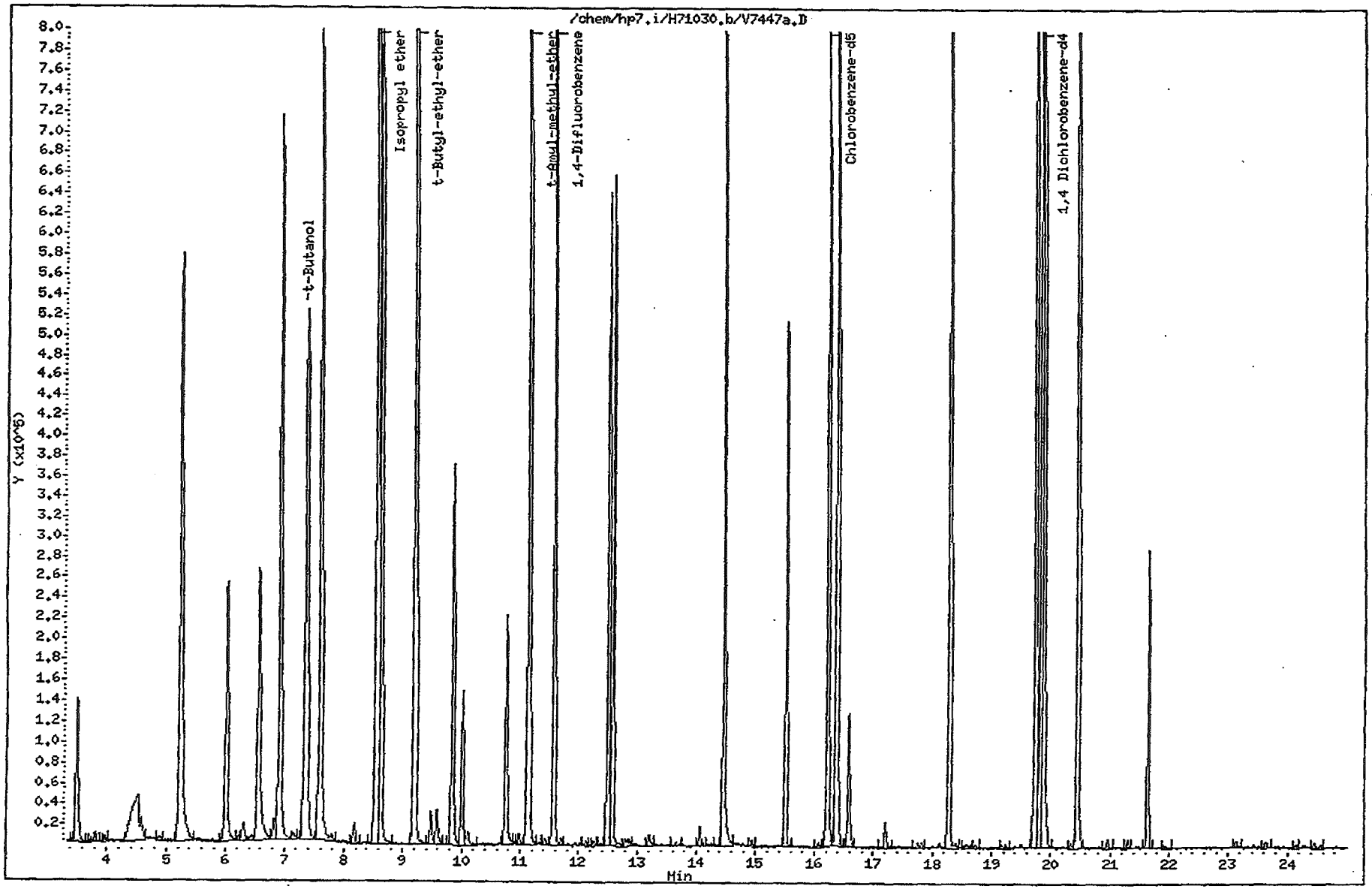
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
7 t-Butanol	59	7.354	7.354	(0.636)	1081239	100.000	122.689
19 t-Butyl-ethyl-ether	59	9.201	9.201	(0.796)	1378980	100.000	110.379
16 Isopropyl ether	45	8.554	8.554	(0.740)	1477540	100.000	98.0585
26 t-Amyl-methyl-ether	73	11.134	11.134	(0.963)	1218413	100.000	136.987
* 32 1,4-Difluorobenzene	114	11.565	11.565	(1.000)	947469	50.0000	
* 50 Chlorobenzene-d5	117	16.215	16.215	(1.000)	759426	50.0000	
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.815	(1.000)	407925	50.0000	

Data File: /chem/hp7.i/H71030.b/V7447a.D
Date : 30-OCT-2000 23:19
Client ID:
Sample Info: VSTD100 ap9/Oxy;Barmbys;1;;5;;1

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53



STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7446a.D
Lab Smp Id: VSTD200 ap9/0xy
Inj Date : 30-OCT-2000 22:48
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD200 ap9/0xy;Barmbys;1;;6;;1
Misc Info : 2;SOIL;0;30xys.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:24 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3oxys.sub
Target Version: 3.40
Processing Host: SACP2006

STR 11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
7 t-Butanol	59	7.405	7.405	(0.641)	2106011	5000.00	4530.71(A)
19 t-Butyl-ethyl-ether	59	9.201	9.201	(0.796)	2894923	200.000	203.057(A)
16 Isopropyl ether	45	8.555	8.555	(0.740)	3051139	200.000	199.097
26 t-Amyl-methyl-ether	73	11.134	11.134	(0.963)	2539299	200.000	202.001(A)
* 32 1,4-Difluorobenzene	114	11.558	11.558	(1.000)	981146	50.0000	
* 50 Chlorobenzene-d5	117	16.215	16.215	(1.000)	785063	50.0000	
* 72 1,4 Dichlorobenzene-d4	152	19.816	19.816	(1.000)	434027	50.0000	

QC Flag Legend

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

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7446a.D
Lab Smp Id: VSTD200 ap9/0xy
Inj Date : 30-OCT-2000 22:48
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD200 ap9/0xy;Barmbys;1;;6;;1
Misc Info : 2;SOIL;0;30xys.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:01 barmbys Quant Type: ISTD
Cal Date : 31-OCT-2000 00:51 Cal File: V7450.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 3oxys.sub
Target Version: 3.40
Processing Host: SACP2006

SMA 11/8/0

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
7 t-Butanol	59	7.405	7.405	(0.641)	2106011	200.000	255.984
19 t-Butyl-ethyl-ether	59	9.201	9.201	(0.796)	2894923	200.000	231.389(A)
16 Isopropyl ether	45	8.555	8.555	(0.740)	3051139	200.000	197.000
26 t-Amyl-methyl-ether	73	11.134	11.134	(0.963)	2539299	200.000	307.534(A)
* 32 1,4-Difluorobenzene	114	11.558	11.558	(1.000)	981146	50.0000	
* 50 Chlorobenzene-d5	117	16.215	16.215	(1.000)	785063	50.0000	
* 72 1,4 Dichlorobenzene-d4	152	19.816	19.816	(1.000)	434027	50.0000	

QC Flag Legend

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

Data File: /chem/hp7.i/H71030.b/V7446a.D

Date : 30-OCT-2000 22:48

Client ID:

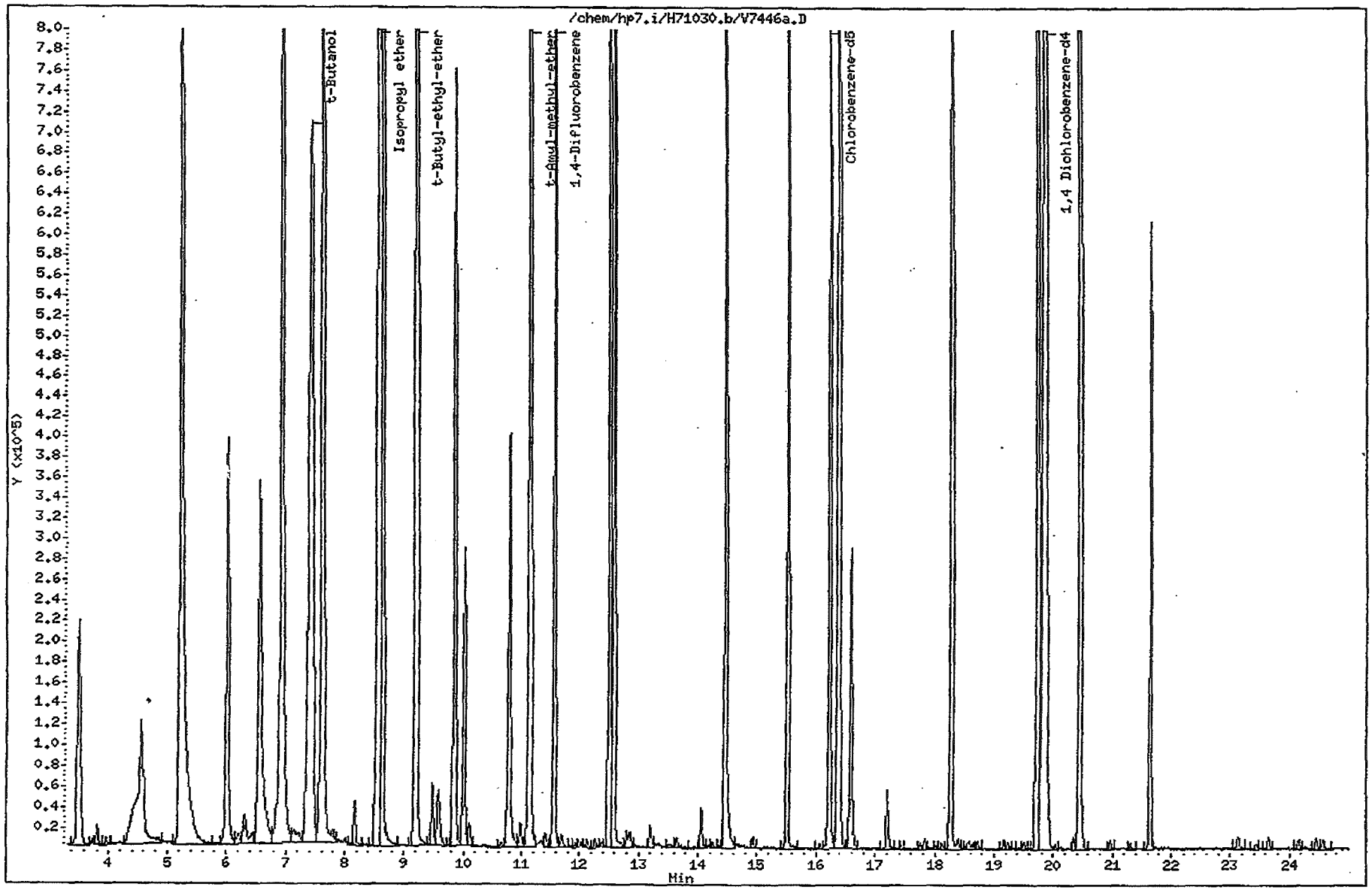
Sample Info: VSTD200 ap9/Oxy;Barmbys;1;;6;;1

Column phase:

Instrument: hp7.i

Operator: Barmbys

Column diameter: 0.53



STL Sacramento
GC/MS INSTRUMENT LOG

Page# 63
Book# 1633

VOLATILES

Standard ID's
Method 8260B

IS	VMS149390001007A	
SURR	VMS149384000831E	
TCL	VMS149391001007B	
ODD	VMS149393001009A	VMS149376001009B
MS	VMS149392001007G	VMS149395001009C
BFB	VMS149349000503A	

Inst ID : hp7.i
Batch ID : H71030.b
Init Cal : 10/30/00 all
Reviewed By/Date: KS 10/31/00
Matrix : SOIL
Level : LOW

Date	Time	Operator	Sample ID	File ID	Vol or Wt	MeOH (ml)	MeOH inj.	pH	SPG	Comments
30-OCT-2000	09:58	barmbys	50NG BFB 2UL	B7170.D	0 g				2	
30-OCT-2000	10:43	Barmbys	VSTD050	V7436.D	5 g				1	
30-OCT-2000	14:15	barmbys	50NG BFB 2UL	B7171.D	0 g				2	
30-OCT-2000	14:44	Barmbys	VSTD050	V7437.D	5 g				1	
30-OCT-2000	16:14	Barmbys	VSTD050	V7438.D	5 g				2	
30-OCT-2000	16:42	barmbys	50NG BFB 2UL	B7172.D	0 g				2	TCL curve
30-OCT-2000	17:27	Barmbys	VSTD050	V7439.D	5 g				1	
30-OCT-2000	19:27	Barmbys	VSTD050	V7440.D	5 g				1	
30-OCT-2000	20:15	Barmbys	VSTD200	V7441.D	5 g				2	
30-OCT-2000	20:46	Barmbys	VSTD100	V7442.D	5 g				3	
30-OCT-2000	21:16	Barmbys	VSTD020	V7443.D	5 g				4	
30-OCT-2000	21:47	Barmbys	VSTD010	V7444.D	5 g				5	
30-OCT-2000	22:18	Barmbys	VSTD005	V7445.D	5 g				6	
30-OCT-2000	22:48	Barmbys	VSTD200 ap9	V7446.D	5 g				7	AP9 0525
30-OCT-2000	23:19	Barmbys	VSTD100 ap9	V7447.D	5 g				8	
30-OCT-2000	23:49	Barmbys	VSTD050 ap9	V7448.D	5 g				9	
31-OCT-2000	00:20	Barmbys	VSTD020 ap9	V7449.D	5 g				10	
31-OCT-2000	00:51	Barmbys	VSTD010 ap9	V7450.D	5 g				11	

STL Sacramento

Data file : \chem\hp7.i\H71030.b\B7172.D
Lab Smp Id: 50NG BFB 2UL DI
Inj Date : 30-OCT-2000 16:42
Operator : barmbys Inst ID: hp7.i
Smp Info : 50NG BFB 2UL DI;barmbys;;;;;;
Misc Info : 2;SOIL;0;;;;;;;;
Comment :
Method : \chem\hp7.i\H71030.b\BFB7.M
Meth Date : 25-Sep-2000 10:20 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.40 Sample Matrix: SOIL

SDR 10/30/00

Concentration Formula: Amt * DF * Uf * Vf

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.107	5.180	(0.000)	95	40840			0.00- 100.00	100.00
5.107	5.180	(0.000)	50	8322			15.00- 40.00	20.38
5.107	5.180	(0.000)	75	19784			30.00- 60.00	48.44
5.107	5.180	(0.000)	96	3202			5.00- 9.00	7.84
5.107	5.180	(0.000)	173	220			0.00- 2.00	0.76
5.107	5.180	(0.000)	174	28880			50.00- 0.00	70.71
5.107	5.180	(0.000)	175	2284			5.00- 9.00	7.91
5.107	5.180	(0.000)	176	28040			95.00- 101.00	97.09
5.107	5.180	(0.000)	177	1711			5.00- 9.00	6.10

Data File: /chem/hp7.i/H71030.b/B7172.D

Date : 30-OCT-2000 16:42

Client ID:

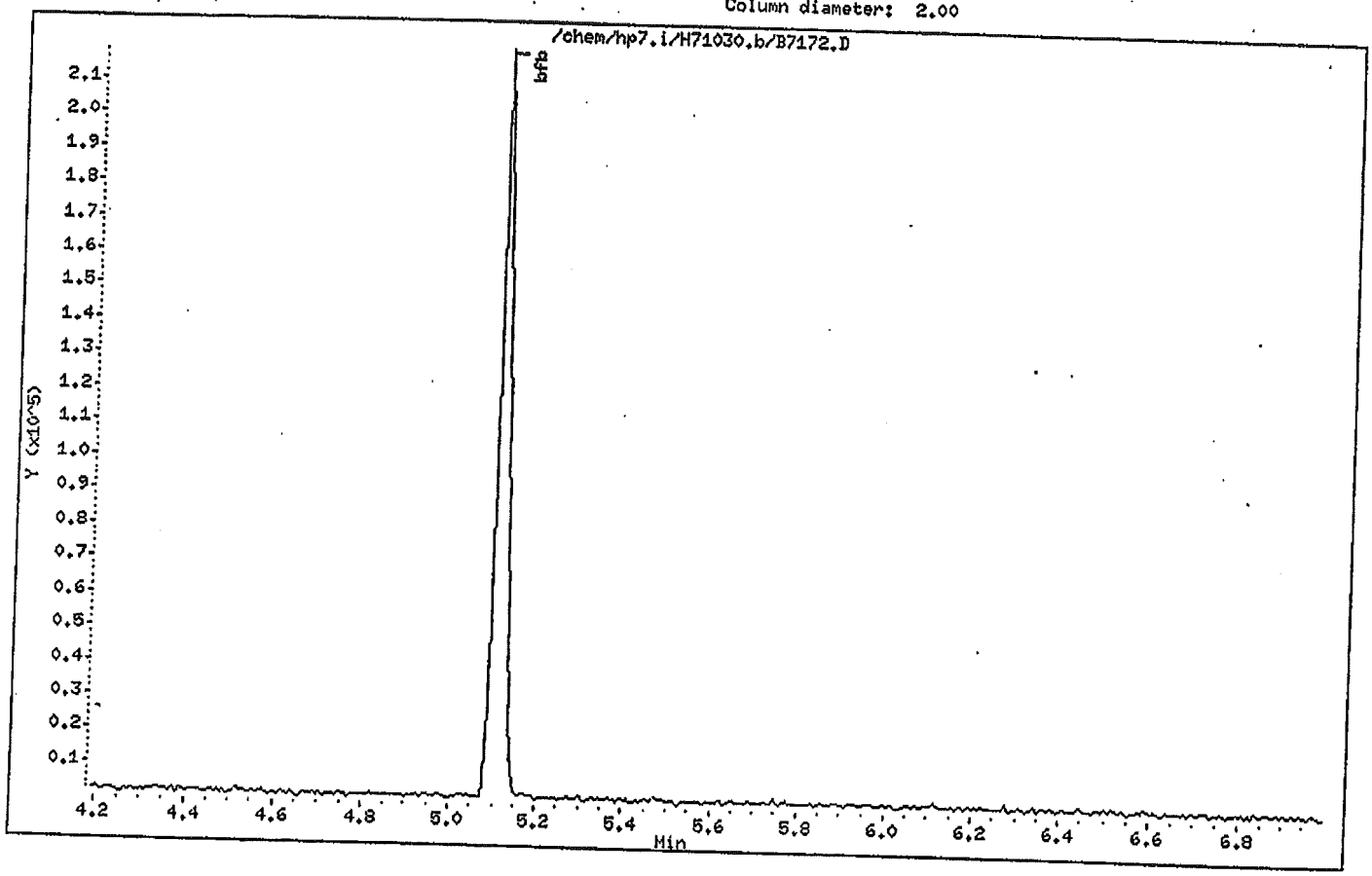
Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Instrument: hp7.i

Operator: barmbys

Column phase:

Column diameter: 2.00



Data File: /chem/hp7.i/H71030.b/B7172.D

Date : 30-OCT-2000 16:42

Client ID:

Instrument: hp7.i

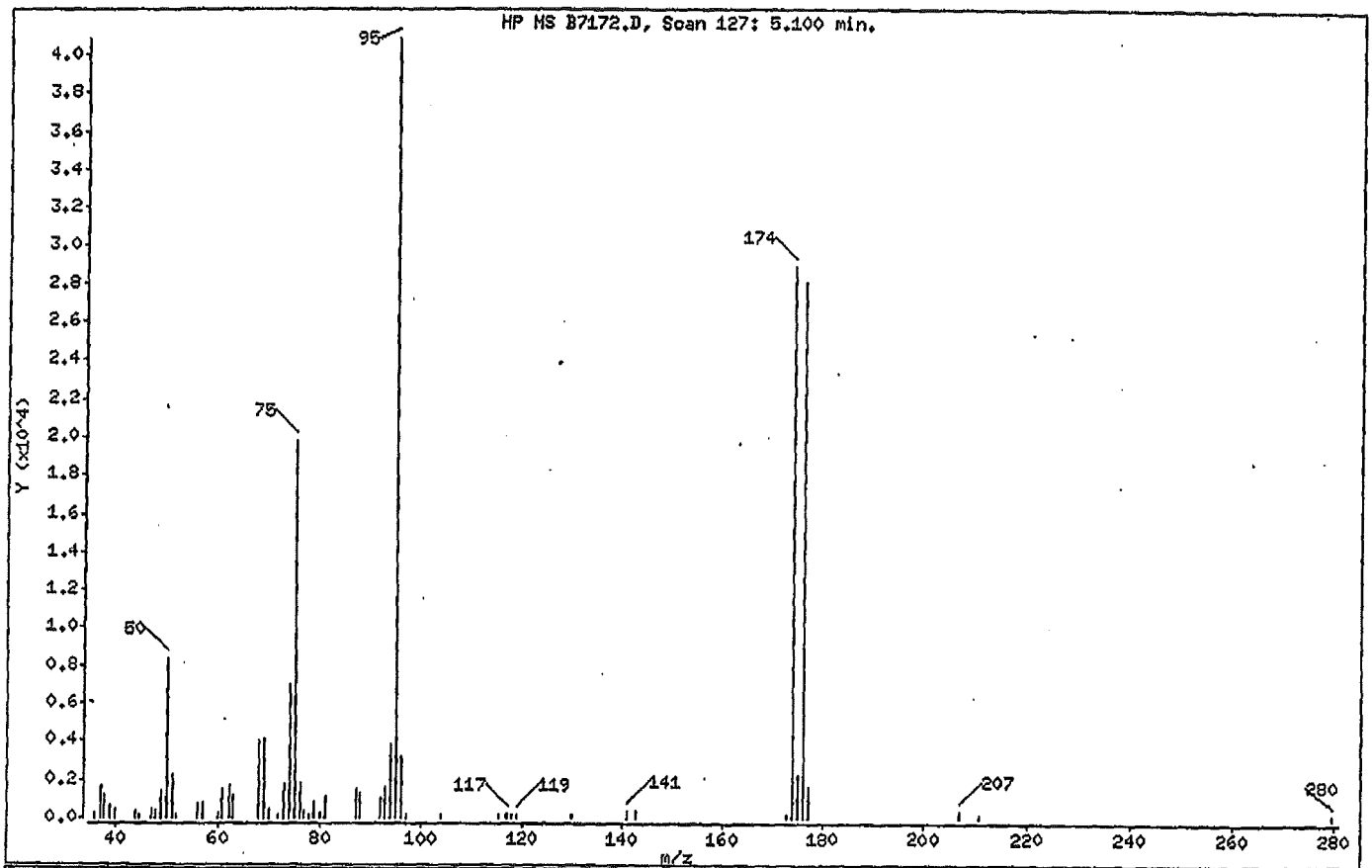
Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Operator: barmbys

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.38
75	30.00 - 60.00% of mass 95	48.44
96	5.00 - 9.00% of mass 95	7.84
173	Less than 2.00% of mass 174	0.54 (0.76)
174	Greater than 50.00% of mass 95	70.71
175	5.00 - 9.00% of mass 174	5.59 (7.91)
176	95.00 - 101.00% of mass 174	68.66 (97.09)
177	5.00 - 9.00% of mass 176	4.19 (6.10)

Data File: /ohem/hp7.i/H71030.b/B7172.D

Date : 30-OCT-2000 16:42

Client ID:

Instrument: hp7.i

Sample Info: 50NG BFB 2UL DI;barmbys;;;;;;

Operator: barmbys

Column phase:

Column diameter: 2.00

Data File: B7172.D
Spectrum: HP MS B7172.D, Scan 127: 5.100 min.
Location of Maximum: 94.95
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	293	60.05	248	79.95	248	118.95	226
37.10	1667	60.95	1521	80.95	1086	129.90	177
38.10	1220	62.05	1708	87.00	1516	140.85	420
39.05	623	63.05	1176	87.90	1327	142.90	406
39.95	442	68.00	4050	92.00	1061	172.75	220
43.95	383	69.00	4120	92.90	1597	173.95	28880
44.85	227	70.10	478	94.00	3883	174.85	2284
47.05	503	72.00	192	94.95	40840	175.95	28040
48.00	402	73.00	1772	95.95	3202	176.95	1711
49.00	1444	74.00	6967	97.05	157	206.85	332
50.00	8322	75.00	19784	104.00	159	211.05	159
51.00	2272	75.95	1759	115.25	160	279.80	218
51.90	224	76.95	340	116.65	184		
56.10	711	78.05	234	116.95	191		
57.05	880	78.85	819	117.85	174		

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 31-OCT-2000 00:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71030.b\8260S.m
Cal Date : 31-Oct-2000 11:24 barmbys
Curve Type : Average

Calibration File Names:
Level 1: \chem\hp7.i\H71030.b\V7450.D
Level 2: \chem\hp7.i\H71030.b\V7444.D
Level 3: \chem\hp7.i\H71030.b\V7443.D
Level 4: \chem\hp7.i\H71030.b\V7440.D
Level 5: \chem\hp7.i\H71030.b\V7442.D
Level 6: \chem\hp7.i\H71030.b\V7441.D

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
1 Dichlorodifluoromethane	0.25692	0.28219	0.27249	0.26890	0.24823	0.24560	0.26239	5.520
2 Chloromethane (**)	0.28821	0.31957	0.31032	0.29343	0.27988	0.28335	0.29579	5.340
3 Vinyl Chloride (*)	0.29961	0.32471	0.31772	0.29529	0.29439	0.28286	0.30243	5.200
4 Bromomethane	0.20073	0.21180	0.20688	0.19067	0.18373	0.14587	0.18995	12.596
5 Chloroethane	0.18272	0.18721	0.18810	0.17226	0.17367	0.16401	0.17800	5.368
6 Trichlorofluoromethane	0.47350	0.52461	0.49858	0.46306	0.45777	0.45980	0.47955	5.569
118 Acrolein	+++++	0.01703	0.01733	0.01555	0.01694	0.01350	0.01607	9.906
9 Trichlorotrifluoroethane	+++++	0.24996	0.23215	0.21560	0.21481	0.22474	0.22745	6.358
8 1,1-Dichloroethene(*)	0.26136	0.28131	0.27489	0.25753	0.25078	0.24859	0.26241	5.010
10 Acetone	+++++	0.07013	0.05923	0.04607	0.04935	0.04691	0.05434	18.895
119 Iodomethane	+++++	0.29844	0.28960	0.29332	0.28654	0.22086	0.27775	11.562
11 Carbon disulfide	+++++	0.66079	0.62849	0.59592	0.61568	0.63672	0.62752	3.847
120 Acetonitrile	+++++	0.03901	0.03330	0.03769	0.03867	0.04180	0.03809	8.096
121 Allyl Chloride	+++++	0.12880	0.12015	0.12271	0.12778	0.12721	0.12533	2.967
12 Methylene Chloride	0.26911	0.28154	0.27496	0.25259	0.25093	0.24677	0.26265	5.493
7 t-Butanol	+++++	0.02819	0.02587	0.02009	0.02282	0.02146	0.02369	13.957
122 Acrylonitrile	+++++	0.06483	0.06015	0.05287	0.05538	0.05170	0.05698	9.572
15 Methyl-t-butyl-ether	+++++	0.59322	0.58173	0.52374	0.55335	0.54198	0.55881	5.102
14 trans-1,2-Dichloroethene	0.28822	0.31156	0.30539	0.28733	0.27988	0.27612	0.29142	4.841
M 131 1,2-Dichloroethane (Total)	0.56346	0.62796	0.62955	0.59967	0.59014	0.57975	0.59842	4.410
13 Hexane	+++++	0.36044	0.35064	0.29374	0.33611	0.35350	0.33889	7.894
18 Vinyl acetate	+++++	0.06020	0.08098	0.10004	0.08608	0.09910	0.08528	19.062
17 1,1-Dichloroethane (**)	0.54165	0.58712	0.58257	0.55358	0.53432	0.52635	0.55426	4.577
16 Isopropyl ether	+++++	0.83347	0.79575	0.71845	0.77973	0.77744	0.78097	5.317
123 Chloroprene	+++++	0.51703	0.51277	0.48137	0.45418	0.46493	0.48606	5.780

11/8/00

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 31-OCT-2000 00:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71030.b\8260S.m
Cal Date : 31-Oct-2000 11:24 barmbys
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
19 t-Butyl-ethyl-ether	+++++	0.75590	0.73847	0.67293	0.72772	0.73764	0.72653	4.354
22 2-Butanone	+++++	0.10519	0.10249	0.08916	0.09803	0.09395	0.09776	6.591
21 cis 1,2-Dichloroethene	0.27525	0.31640	0.32416	0.31234	0.31026	0.30362	0.30700	5.531
20 2,2-Dichloropropane	0.43028	0.48531	0.49332	0.48647	0.48624	0.48943	0.47851	4.976
124 Propionitrile	+++++	0.02642	0.02607	0.02188	0.02574	0.02525	0.02507	7.313
125 Methacrylonitrile	+++++	0.10521	0.10787	0.10740	0.11841	0.12078	0.11193	6.354
23 Bromochloromethane	0.13522	0.14841	0.14694	0.13833	0.13873	0.13658	0.14070	3.956
24 Chloroform (*)	0.54271	0.59786	0.59543	0.55176	0.55094	0.53864	0.56289	4.730
25 1,1,1-Trichloroethane	0.46918	0.52398	0.52592	0.50545	0.49828	0.49850	0.50355	4.124
28 1,1-Dichloropropene	0.38560	0.44792	0.46277	0.43912	0.43703	0.42992	0.43373	6.026
27 Carbon Tetrachloride	0.36949	0.40767	0.42614	0.42437	0.42474	0.43565	0.41468	5.765
127 Isobutanol	+++++	0.00863	0.00869	0.00793	0.00928	0.00928	0.00876	6.371 <-
30 Benzene	1.14527	1.24934	1.27226	1.19512	1.16277	1.11092	1.18928	5.225
31 1,2-Dichloroethane	0.40490	0.43507	0.44351	0.39929	0.40031	0.38351	0.41110	5.632
126 Cyclohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
26 t-Amyl-methyl-ether	+++++	0.66146	0.65042	0.60119	0.64298	0.64702	0.64062	3.603
33 Trichloroethene	0.33837	0.38339	0.36220	0.34117	0.34445	0.33588	0.35091	5.258
34 1,2-Dichloropropane(*)	0.26259	0.28226	0.29351	0.27581	0.27508	0.26938	0.27644	3.859
128 Methyl Methacrylate	+++++	0.18540	0.19335	0.18979	0.18664	0.18855	0.18875	1.631
35 1,4-Dioxane	+++++	0.00211	0.00230	0.00203	0.00233	0.00227	0.00221	6.011
36 Dibromomethane	0.16243	0.17259	0.17280	0.16056	0.16216	0.15687	0.16457	4.010
37 Bromodichloromethane	0.35898	0.40634	0.41058	0.39987	0.40065	0.39585	0.39538	4.696
38 2-Chloroethyl vinyl ether	+++++	0.09979	0.11957	0.10989	0.12523	0.12464	0.11582	9.383
39 cis-1,3-Dichloropropene (xtr)	0.39065	0.45262	0.47643	0.46798	0.47061	0.46665	0.45416	7.067
40 4-Methyl-2-pentanone	+++++	0.17624	0.20046	0.17300	0.19796	0.19022	0.18758	6.648
42 Toluene (*)	0.73027	0.81160	0.81087	0.76926	0.77003	0.75762	0.77494	4.075
43 trans-1,3-Dichloropropene(xt)	0.34866	0.39630	0.42461	0.41677	0.43300	0.42787	0.40787	7.777
129 Ethyl Methacrylate	+++++	0.22708	0.26063	0.28187	0.29655	0.30526	0.27428	11.425
44 1,1,2-Trichloroethane	0.21842	0.23263	0.24145	0.22630	0.22804	0.22292	0.22829	3.517
46 1,3-Dichloropropane	0.48754	0.52098	0.54718	0.51684	0.50604	0.48822	0.51114	4.406
45 Tetrachloroethene	0.40313	0.43584	0.43256	0.42829	0.41523	0.43324	0.42472	3.028
47 2-Hexanone	+++++	0.14571	0.16534	0.14885	0.16908	0.16336	0.15847	6.611
48 Dibromochloromethane	0.27424	0.31869	0.33108	0.33831	0.33651	0.33880	0.32294	7.745

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 31-OCT-2000 00:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71030.b\8260S.m
Cal Date : 31-Oct-2000 11:24 barmbys
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
49 1,2-Dibromoethane	0.27868	0.29225	0.30148	0.28849	0.28927	0.28410	0.28905	2.667
52 1-Chlorohexane	+++++	0.46766	0.47069	0.46535	0.47992	0.49861	0.47644	2.849
51 Chlorobenzene (**)	1.02678	1.12264	1.10363	1.05754	1.02737	1.00990	1.05798	4.329
53 1,1,1,2-Tetrachloroethane	0.31763	0.34336	0.36206	0.35997	0.35950	0.36918	0.35195	5.349
54 Ethylbenzene (*)	0.51419	0.61176	0.62599	0.60348	0.59219	0.59169	0.58988	6.655
55 Xylenes (m,p)	0.66398	0.75302	0.75470	0.73867	0.72040	0.70741	0.72303	4.745
M 132 Xylenes (Total)	0.52666	0.59916	0.60854	0.58377	0.59556	0.58749	0.58353	5.005
56 Xylene (o)	0.60286	0.70659	0.72423	0.70793	0.70060	0.70652	0.69145	6.381
57 Styrene	0.96702	1.15427	1.20323	1.17805	1.16187	1.15784	1.13705	7.495
58 Bromoform (**)	0.15918	0.16522	0.19409	0.20212	0.20706	0.21239	0.19001	11.815
59 Isopropylbenzene	1.52526	1.83020	1.90027	1.85466	1.79207	1.72221	1.77078	7.594
62 1,1,2,2-Tetrachloroethane(**)	0.56201	0.60167	0.64746	0.62291	0.60632	0.57572	0.60268	5.146
130 T-1,4-Dichloro-2-Butene	+++++	0.06685	0.07462	0.08724	0.10599	0.11252	0.08944	21.948
63 1,2,3-Trichloropropane	0.67979	0.69852	0.73575	0.67011	0.66348	0.62690	0.67909	5.365
61 Bromobenzene	0.75924	0.82090	0.84242	0.80311	0.80171	0.80796	0.80589	3.405
64 N-Propylbenzene	3.88044	4.45068	4.52422	4.34742	4.12720	3.78008	4.18501	7.342
65 2-Chlorotoluene	2.31790	2.60677	2.61837	2.50290	2.40073	2.31416	2.46014	5.557
67 1,3,5-Trimethylbenzene	2.71824	3.07779	3.11589	2.99826	2.88340	2.78181	2.92923	5.505
66 4-Chlorotoluene	2.48919	2.75046	2.73843	2.62026	2.50692	2.40679	2.58534	5.448
68 T-Butylbenzene	2.17630	2.57699	2.60674	2.59902	2.50289	2.44143	2.48390	6.586
69 1,2,4-Trimethylbenzene	2.74555	3.09194	3.11830	3.00771	2.90596	2.80485	2.94572	5.182
70 Sec-Butylbenzene	3.30648	3.89682	3.95381	3.82046	3.63827	3.43721	3.67551	7.113
73 P-Isopropyltoluene	2.75055	3.27674	3.33888	3.26217	3.16450	3.07831	3.14503	6.602
71 1,3-Dichlorobenzene	1.58113	1.69414	1.69615	1.62992	1.62323	1.65378	1.64639	2.700
74 1,4-Dichlorobenzene	1.60802	1.74294	1.71540	1.62058	1.58953	1.58207	1.64309	4.175
76 N-Butylbenzene	2.78140	3.28475	3.27139	3.23616	3.12525	2.98740	3.11439	6.351
75 1,2-Dichlorobenzene	1.46674	1.58252	1.57324	1.47043	1.45065	1.43704	1.49677	4.277
77 1,2-Dibromo-3-chloropropane	+++++	0.12686	0.13899	0.13474	0.13856	0.13148	0.13413	3.790
78 1,2,4-Trichlorobenzene	0.97093	1.06873	1.11478	1.05233	1.07577	1.10342	1.06433	4.807
79 Hexachlorobutadiene	0.56864	0.61817	0.60151	0.57933	0.58860	0.62432	0.59676	3.673
80 Napthalene	2.29744	2.50627	2.68907	2.19065	2.29515	2.05986	2.33974	9.635
81 1,2,3-Trichlorobenzene	0.90844	0.99814	1.05508	0.94719	0.97844	0.96990	0.97620	5.056

STL Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-FEB-2000 17:52
End Cal Date : 31-OCT-2000 00:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.40
Integrator : Falcon
Method file : \chem\hp7.i\H71030.b\8260S.m
Cal Date : 31-Oct-2000 11:24 barmbys
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
$ 29 1,2-Dichloroethane-d4	+++++	0.32373	0.34058	0.30278	0.30317	0.29021	0.31209	6.392
$ 41 Toluene-d8	+++++	1.07021	1.10383	1.03422	1.03967	1.01152	1.05189	3.403
$ 60 4-Bromofluorobenzene	+++++	0.49112	0.52204	0.47598	0.47256	0.47532	0.48741	4.243

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7450.D
Lab Smp Id: VSTD010 ap9/0xy
Inj Date : 31-OCT-2000 00:51
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD010 ap9/0xy;Barmbys;1;;2;;1
Misc Info : 2;SOIL;0;2ap9.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:17 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 11 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2ap9.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
118 Acrolein	56	6.010	6.010	(0.520)	30572	100.000	105.963
119 Iodomethane	142	6.570	6.570	(0.568)	53582	10.0000	10.7450
121 Allyl Chloride	76	6.930	6.930	(0.599)	23125	10.0000	10.2769
120 Acetonitrile	40	6.937	6.937	(0.600)	7003	10.0000	9.98586 (M)
122 Acrylonitrile	53	7.591	7.591	(0.656)	116387	100.000	113.761
123 Chloroprene	53	8.633	8.633	(0.746)	92826	10.0000	10.6372
124 Propionitrile	54	9.589	9.589	(0.829)	4743	10.0000	10.5366 (M)
125 Methacrylonitrile	41	9.847	9.847	(0.851)	18890	10.0000	9.39968
127 Isobutanol	43	10.724	10.724	(0.927)	15493	100.000	99.8802 (M)
* 32 1,4-Difluorobenzene	114	11.565	11.565	(1.000)	897690	50.0000	
128 Methyl Methacrylate	41	12.499	12.499	(1.081)	33287	10.0000	9.82294
129 Ethyl Methacrylate	69	14.447	14.447	(1.249)	40770	10.0000	8.27925
* 50 Chlorobenzene-d5	117	16.215	16.215	(1.000)	714258	50.0000	
130 T-1,4-Dichloro-2-Butene	89	18.263	18.263	(0.922)	4883	10.0000	7.47364 (M)
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.815	(1.000)	365240	50.0000	

1 SMB 10/30/00

1 1 1

1-peak not found

QC Flag Legend

M - Compound response manually integrated.

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7450.D
Lab Smp Id: VSTD010 ap9/0xy
Inj Date : 31-OCT-2000 00:51
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD010 ap9/0xy;Barmbys;1;;1;;1
Misc Info : 2;SOIL;0;2ap9.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 10:13 barmbys Quant Type: ISTD
Cal Date : 09-OCT-2000 18:32 Cal File: V7418.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2ap9.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
118 Acrolein	56	6.010	6.006	(0.520)	30572	5.00000	14.8917
119 Iodomethane	142	6.570	6.559	(0.568)	53582	5.00000	5.49117
121 Allyl Chloride	76	6.930	6.926	(0.599)	23125	5.00000	12.5648
120 Acetonitrile	40	6.937	6.926	(0.600)	7003	5.00000	10.5769(M)
122 Acrylonitrile	53	7.591	7.587	(0.656)	116387	5.00000	12.2706
123 Chloroprene	53	8.633	8.629	(0.746)	92826	5.00000	9.95343
124 Propionitrile	54	9.589	9.570	(0.829)	4743	5.00000	10.7912(M)
125 Methacrylonitrile	41	9.847	9.843	(0.851)	18890	5.00000	10.3024
127 Isobutanol	43	10.724	10.735	(0.927)	15493	5.00000	10.2221(M)
* 32 1,4-Difluorobenzene	114	11.565	11.554	(1.000)	897690	50.0000	
128 Methyl Methacrylate	41	12.499	12.495	(1.081)	33287	5.00000	9.46260
129 Ethyl Methacrylate	69	14.447	14.450	(1.249)	40770	5.00000	10.3645
* 50 Chlorobenzene-d5	117	16.215	16.204	(1.000)	714258	50.0000	
130 T-1,4-Dichloro-2-Butene	89	18.263	18.266	(0.922)	4883	5.00000	10.4994(M)
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.804	(1.000)	365240	50.0000	

QC Flag Legend

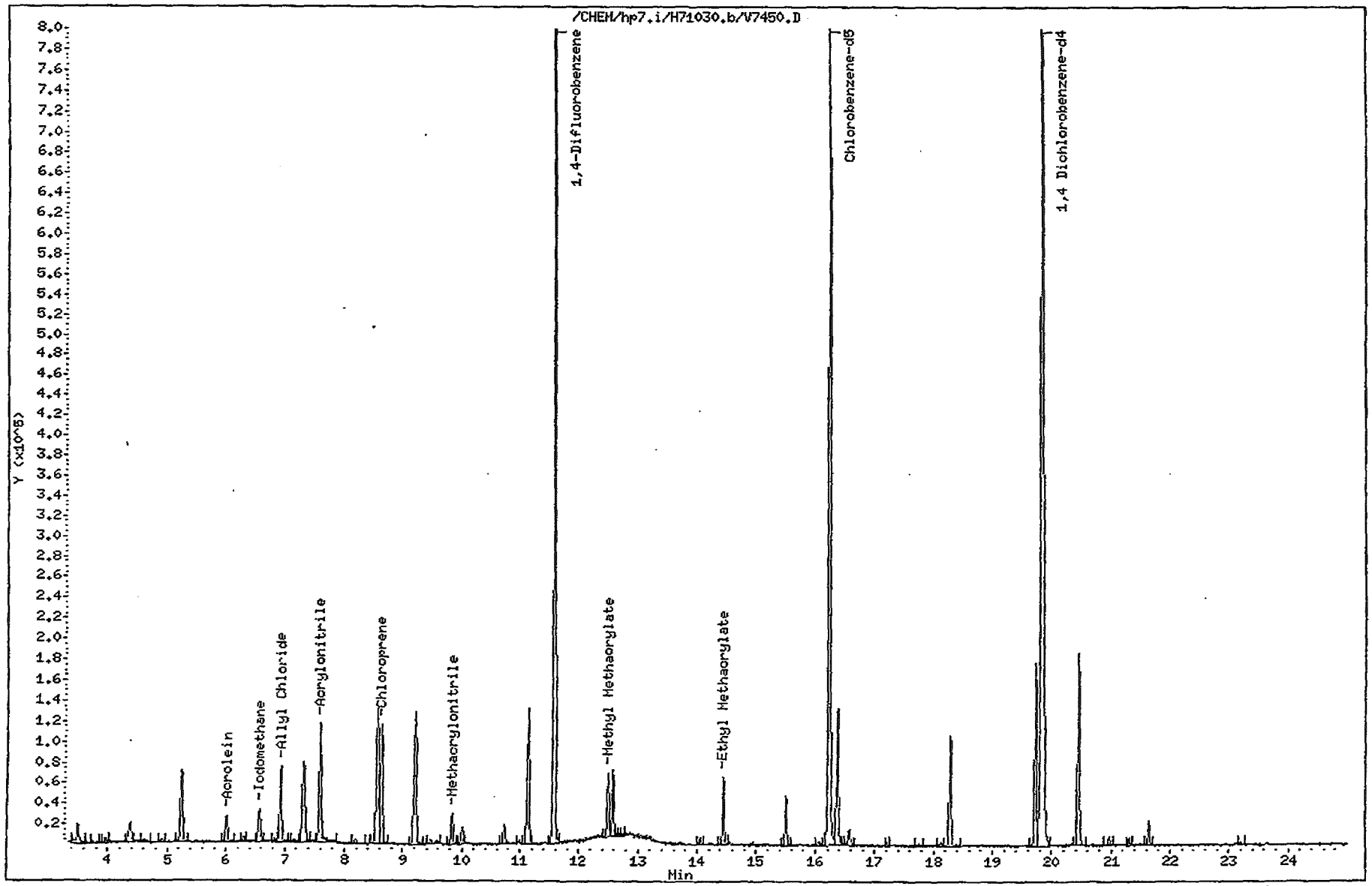
M - Compound response manually integrated.

Data File: /CHEM/hp7.i/H71030.b/V7450.D
Date : 31-OCT-2000 00:51
Client ID:
Sample Info: VSTD010 . ap9/Oxy;Barmbys;1;;1;;1

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53

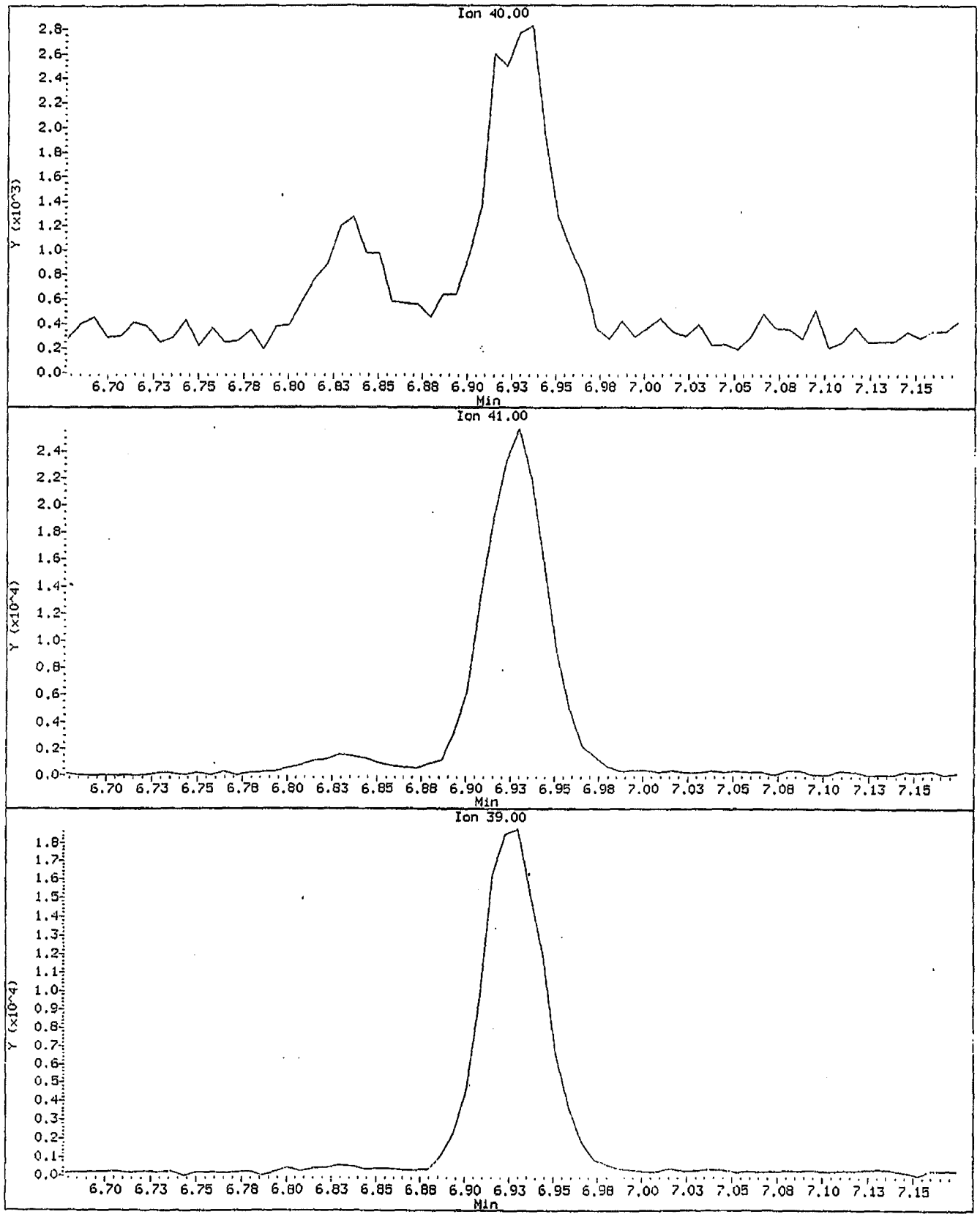
Column phase:



001990

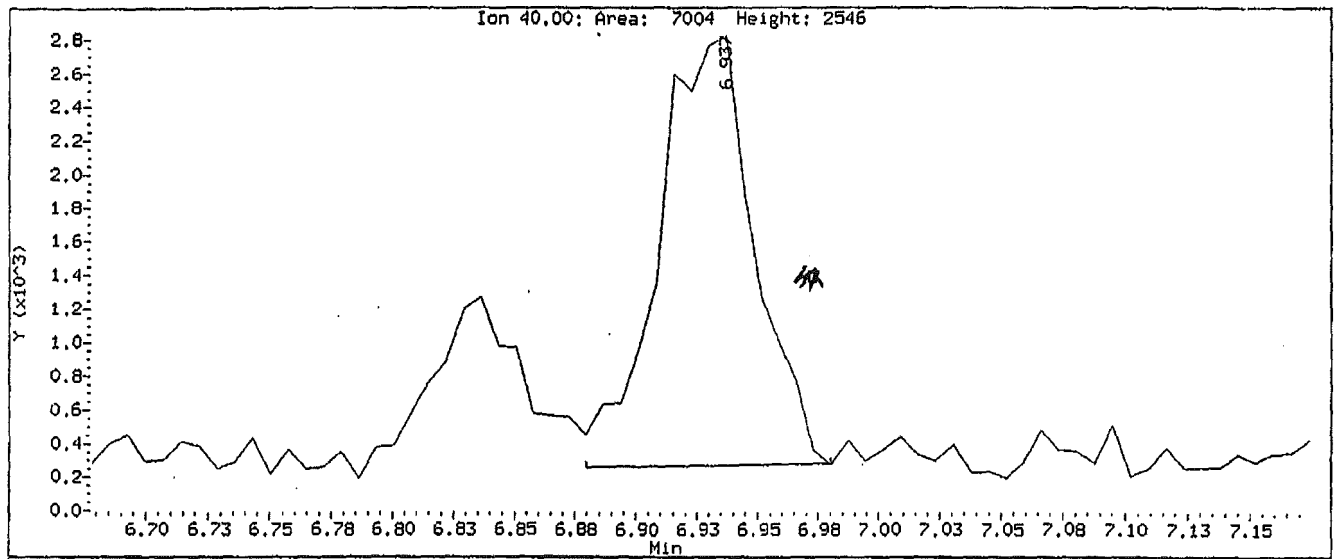
Data File: /chem/hp7.i/H71030.b/V7450.D
Injection Date: 31-OCT-2000 00:51
Instrument: hp7.i
Client Sample ID:

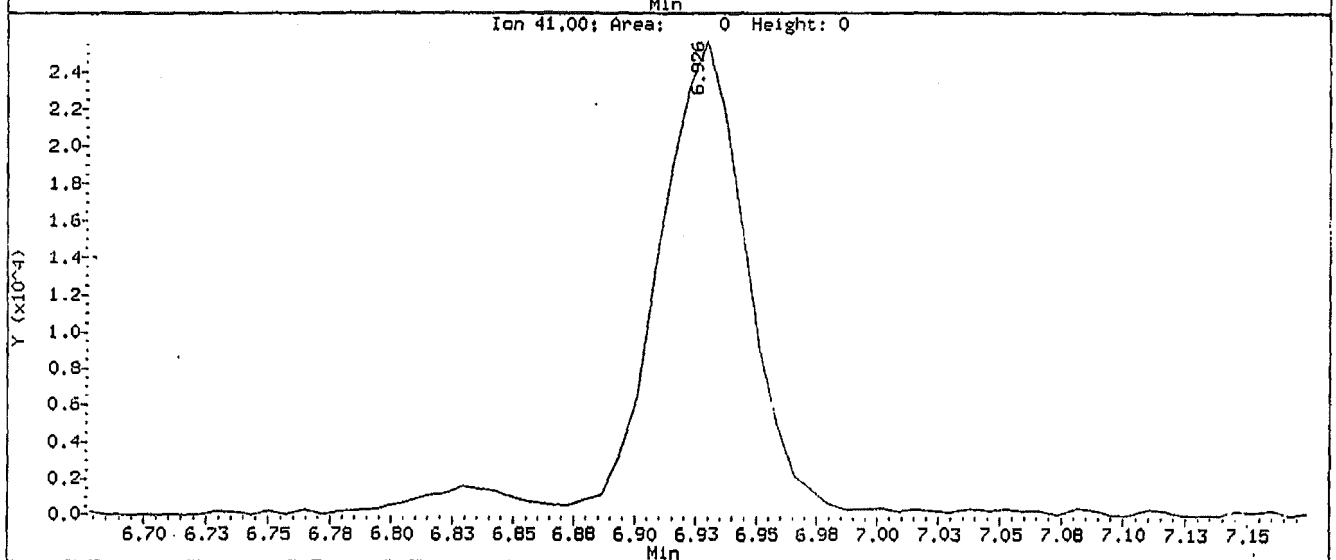
Compound: Acetonitrile
CAS Number: 75-05-8

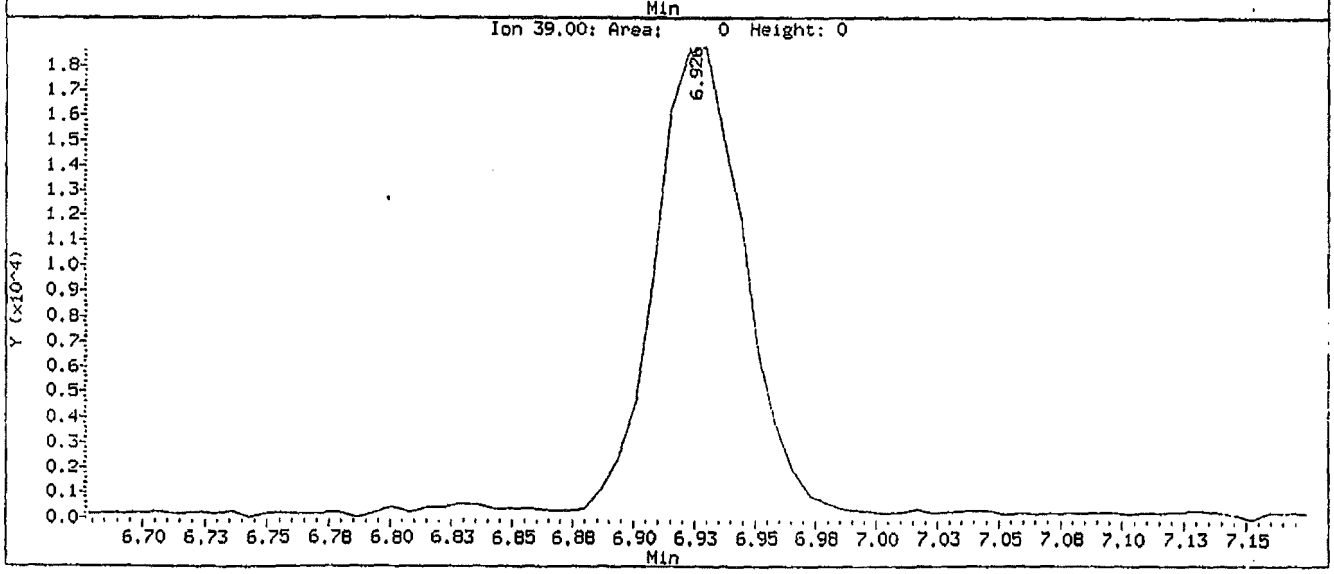


Data File: /chem/hp7.i/H71030.b/V7450.D
Injection Date: 31-OCT-2000 00:51
Instrument: hp7.i
Client Sample ID:

Compound: Acetonitrile
CAS Number: 75-05-8

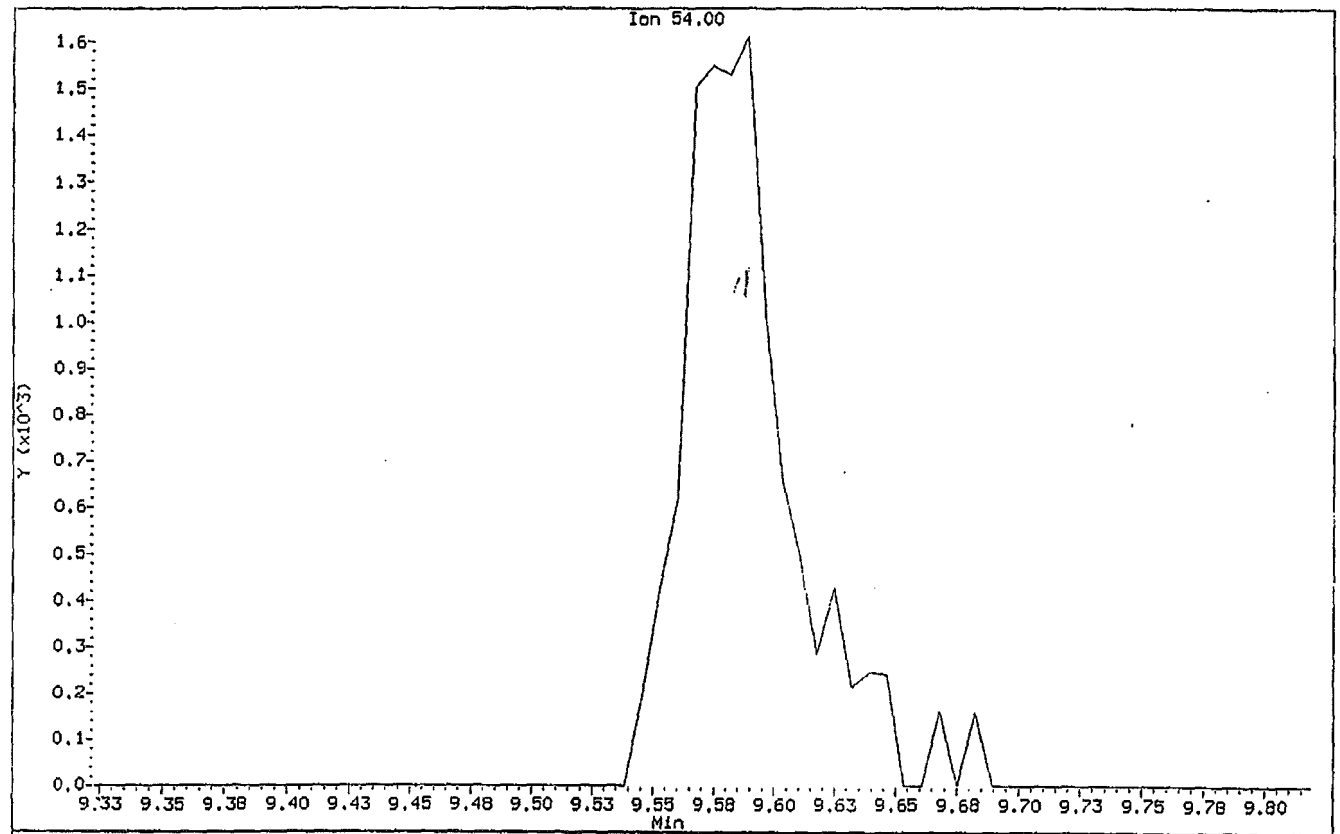


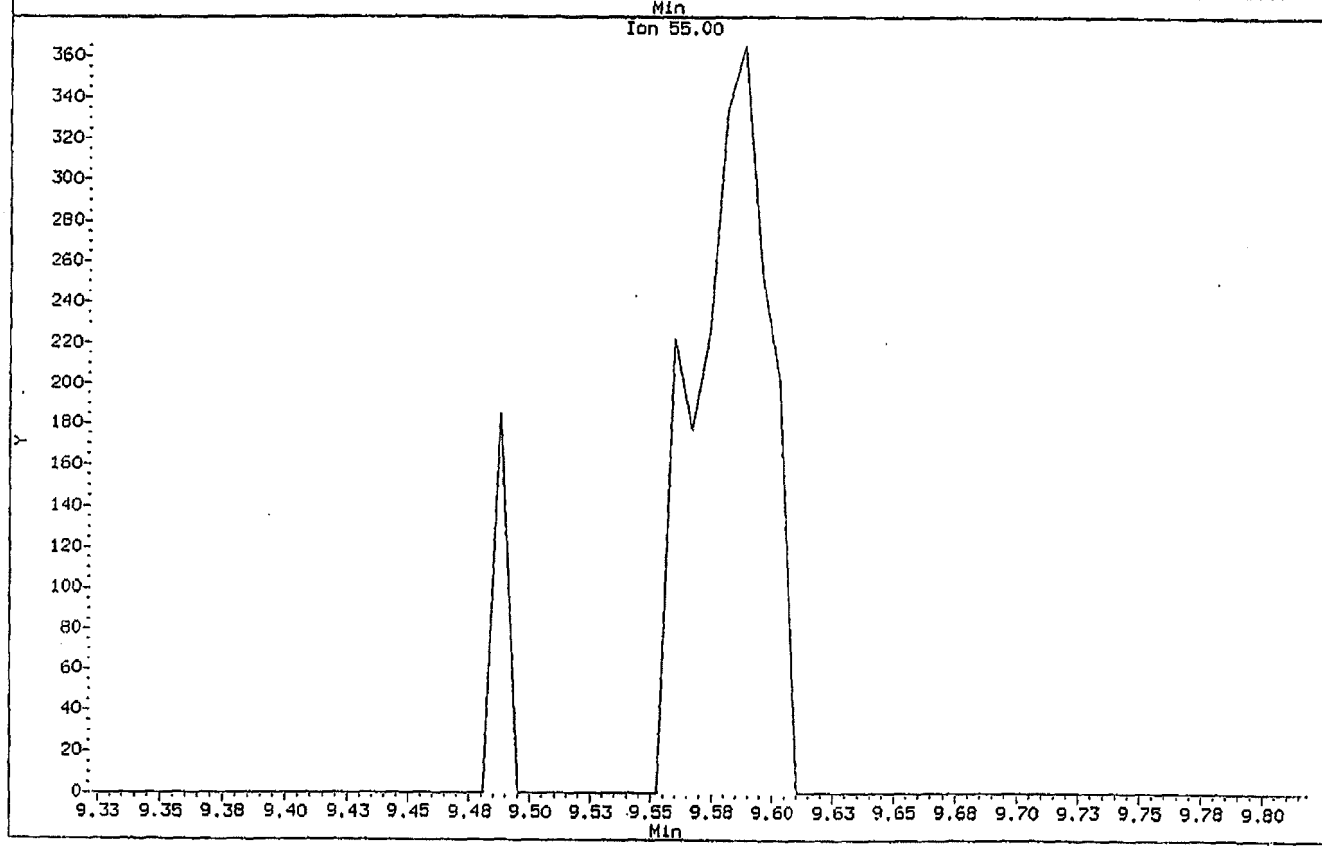




Data File: /chem/hp7.i/H71030.b/V7450.D
Injection Date: 31-OCT-2000 00:51
Instrument: hp7.i
Client Sample ID:

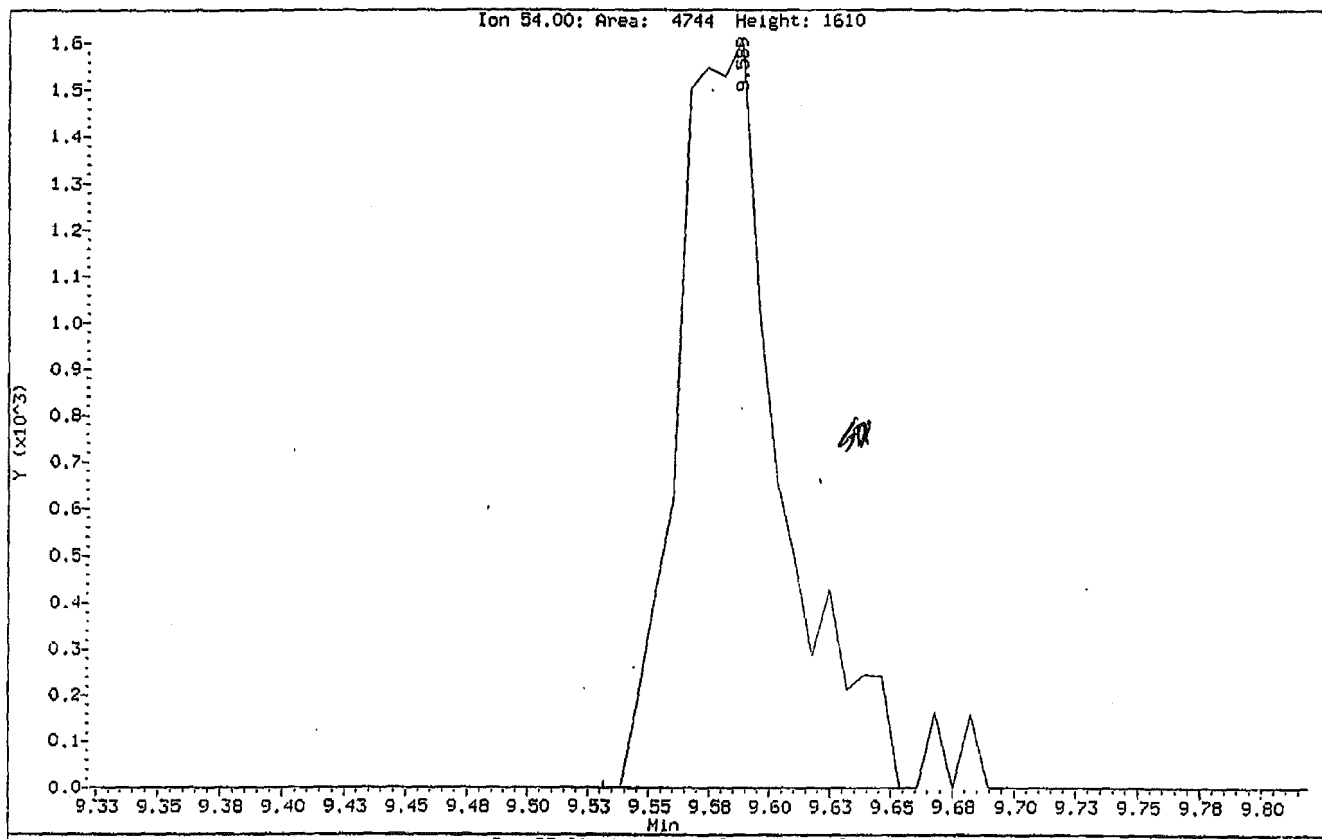
Compound: Propionitrile
CAS Number: 107-12-0

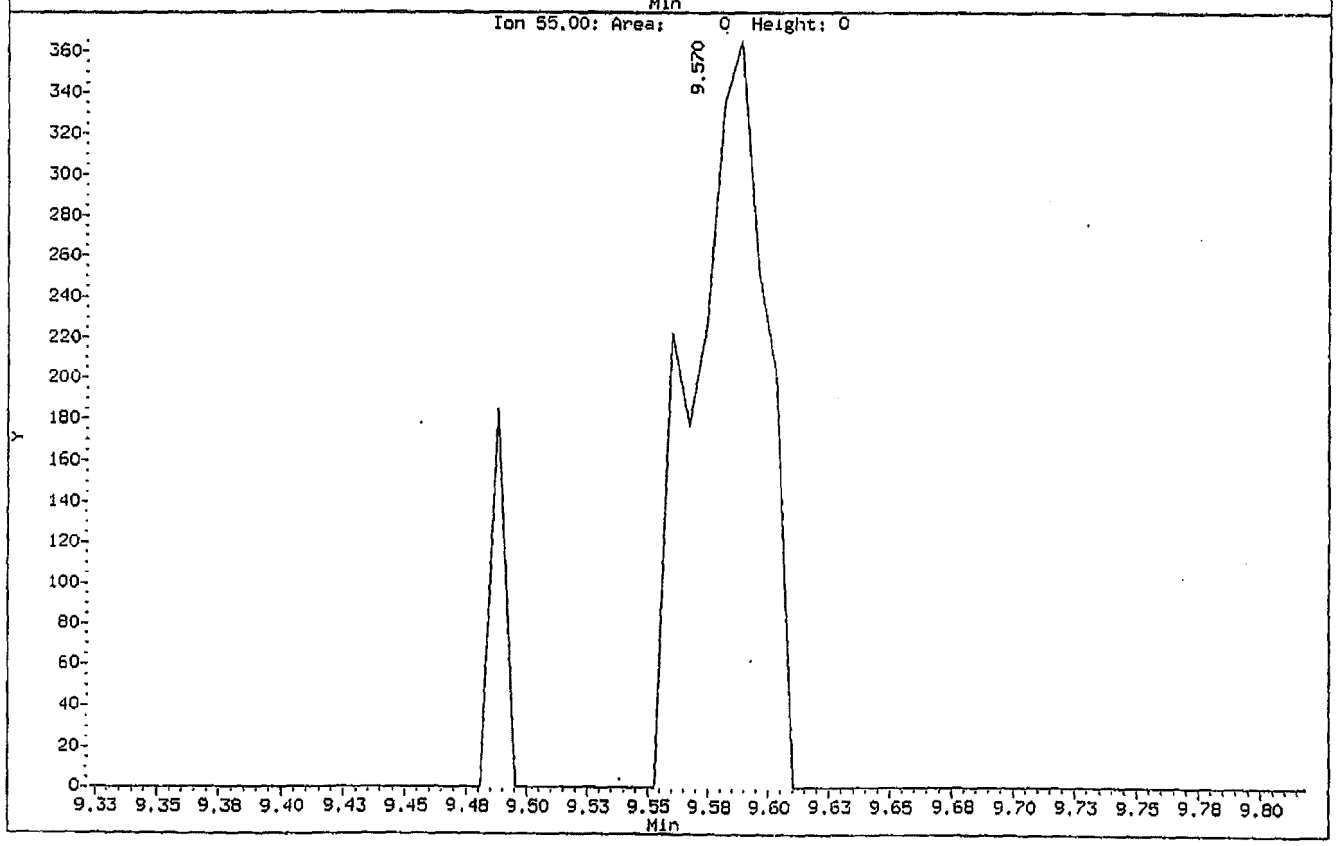




Data File: /chem/hp7.i/H71030.b/V7450.D
Injection Date: 31-OCT-2000 00:51
Instrument: hp7.i
Client Sample ID:

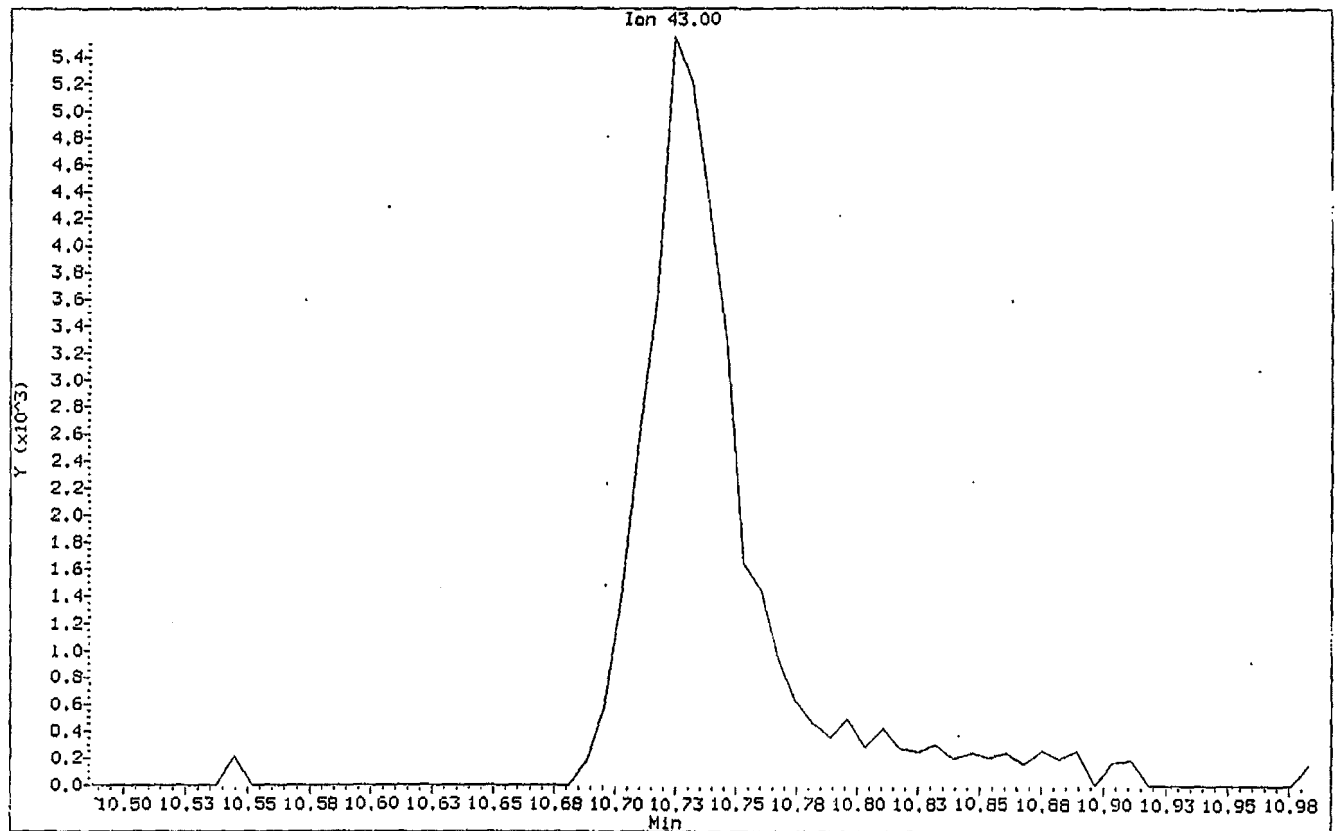
Compound: Propionitrile
CAS Number: 107-12-0

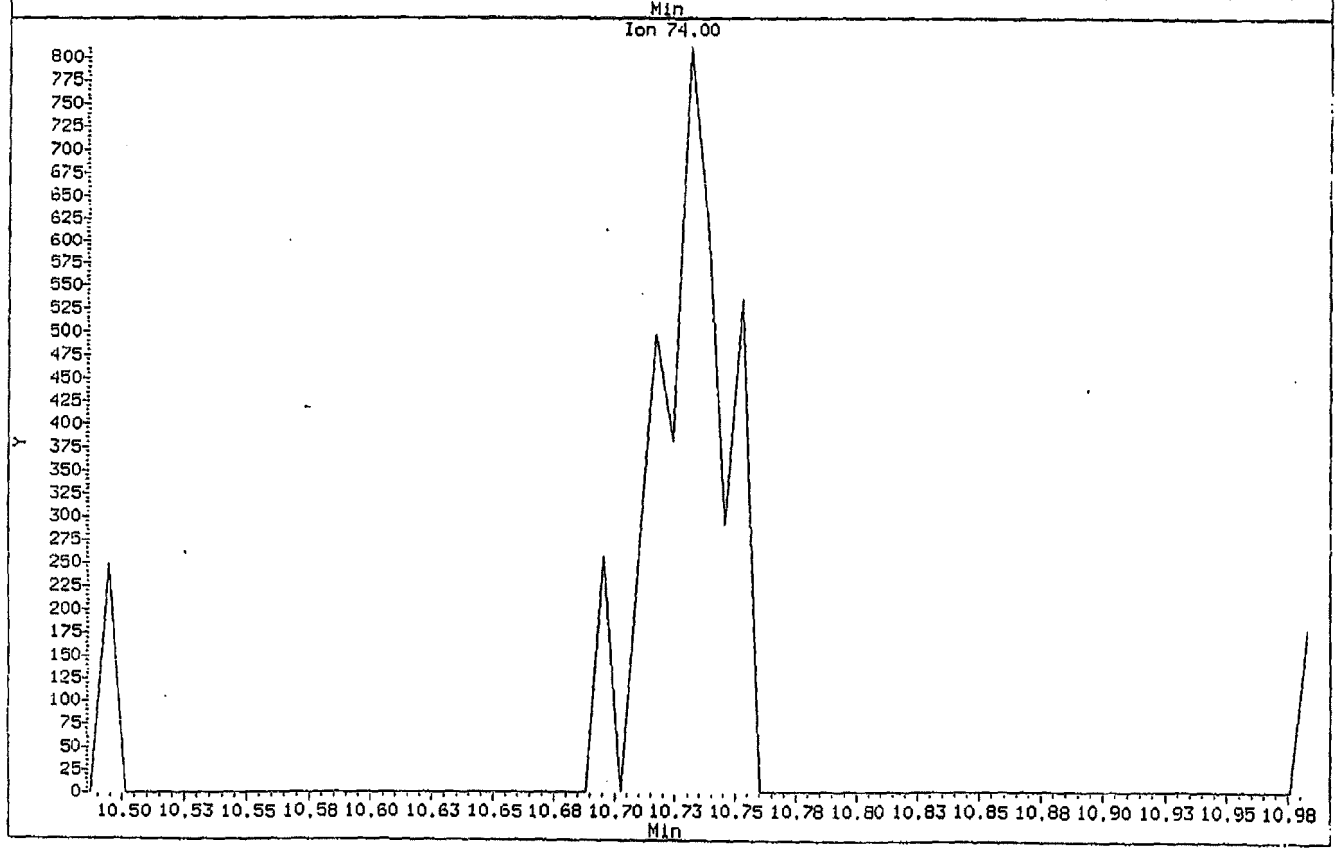




Data File: /chem/hp7.i/H71030.b/V7450.D
Injection Date: 31-OCT-2000 00:51
Instrument: hp7.i
Client Sample ID:

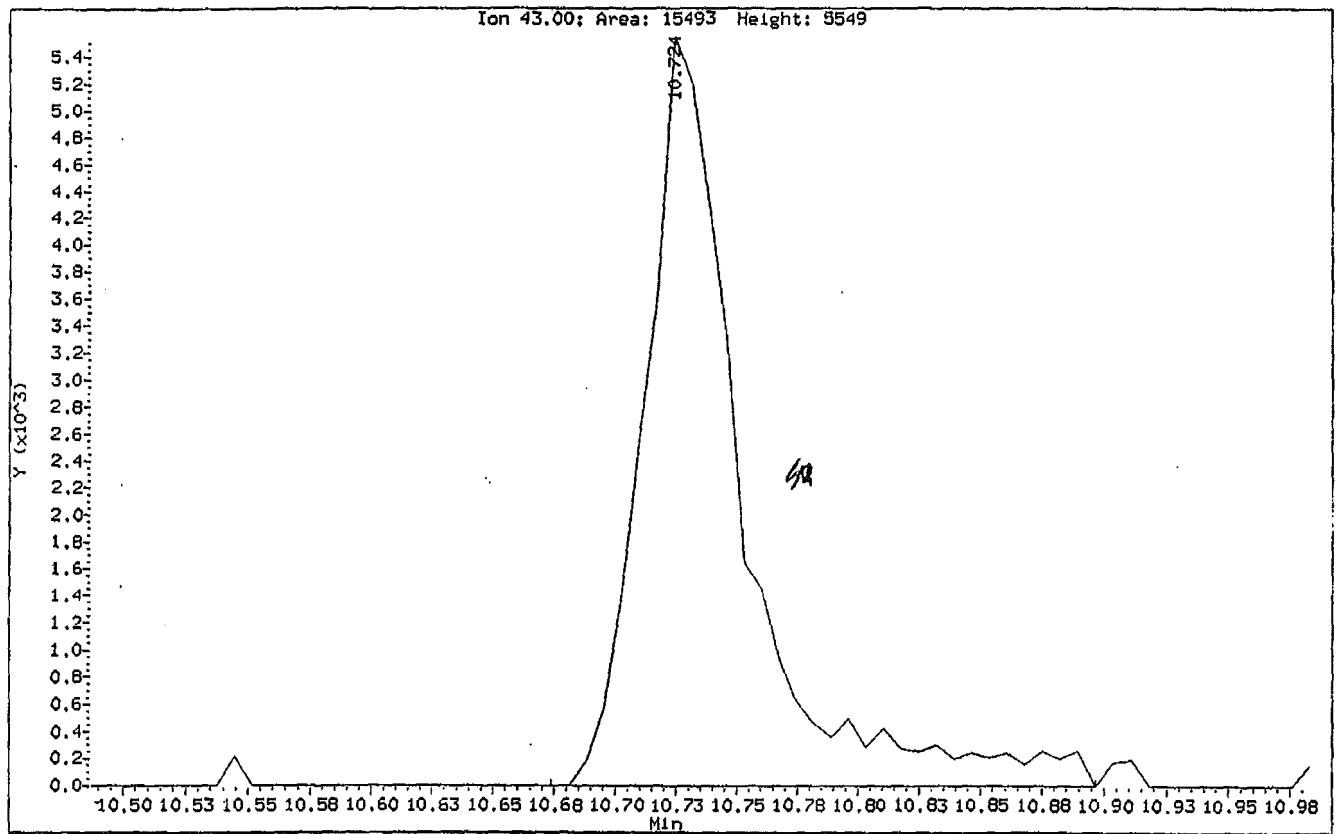
Compound: Isobutanol
CAS Number: 78-83-1

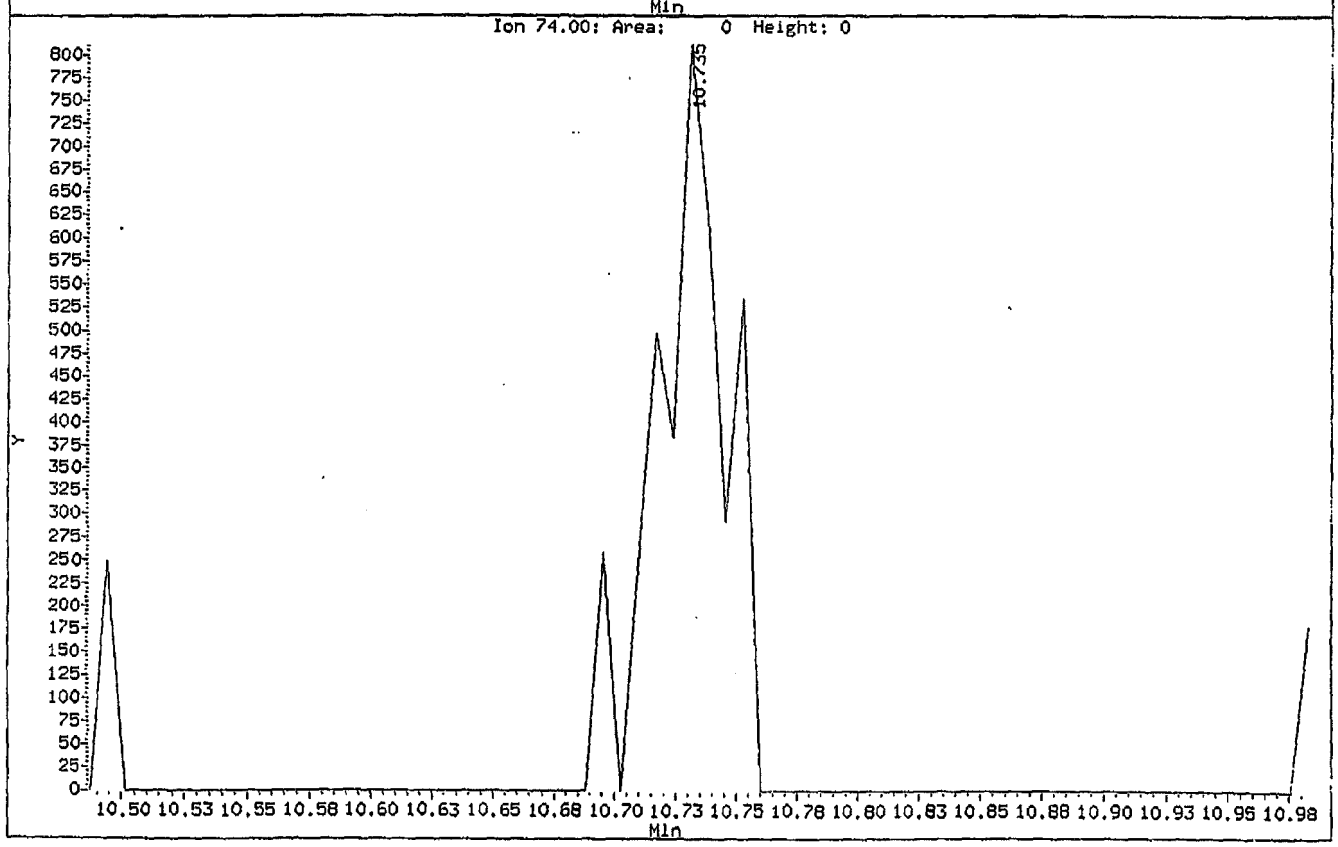




Data File: /chem/hp7.i/H71030.b/V7450.D
Injection Date: 31-OCT-2000 00:51
Instrument: hp7.i
Client Sample ID:

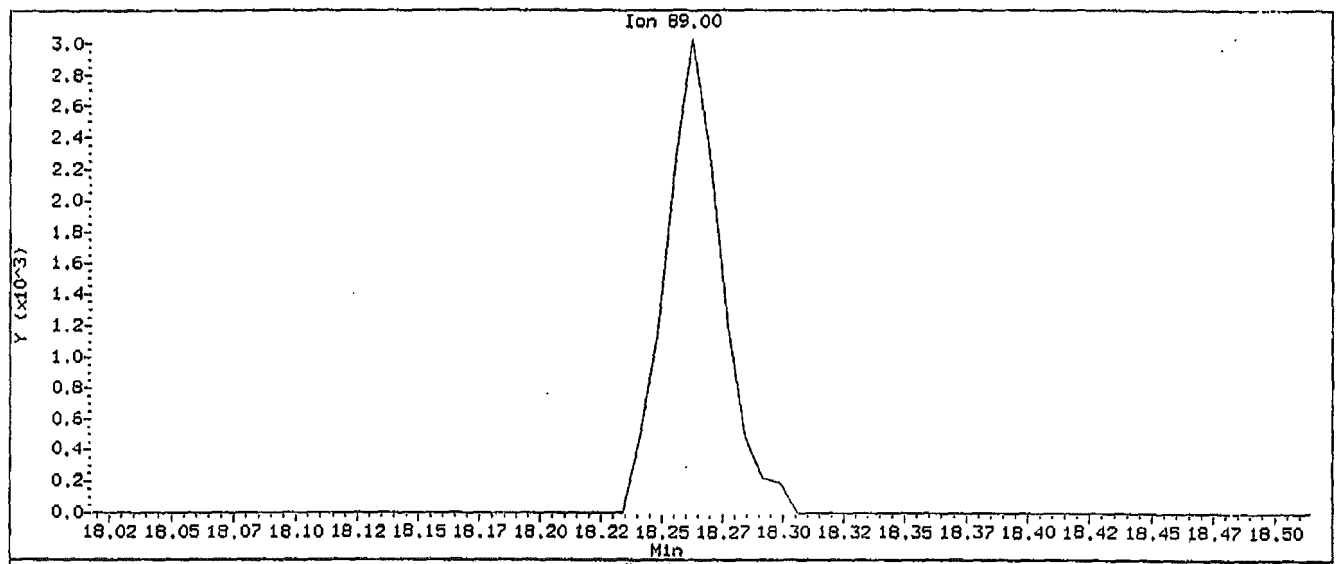
Compound: Isobutanol
CAS Number: 78-83-1

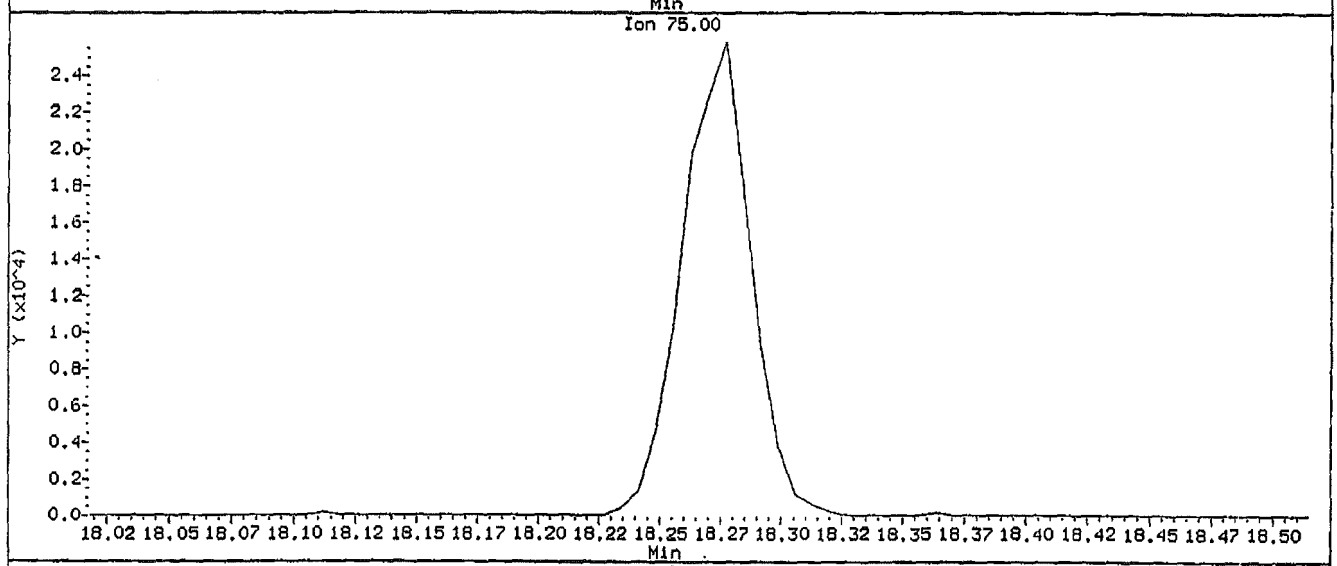


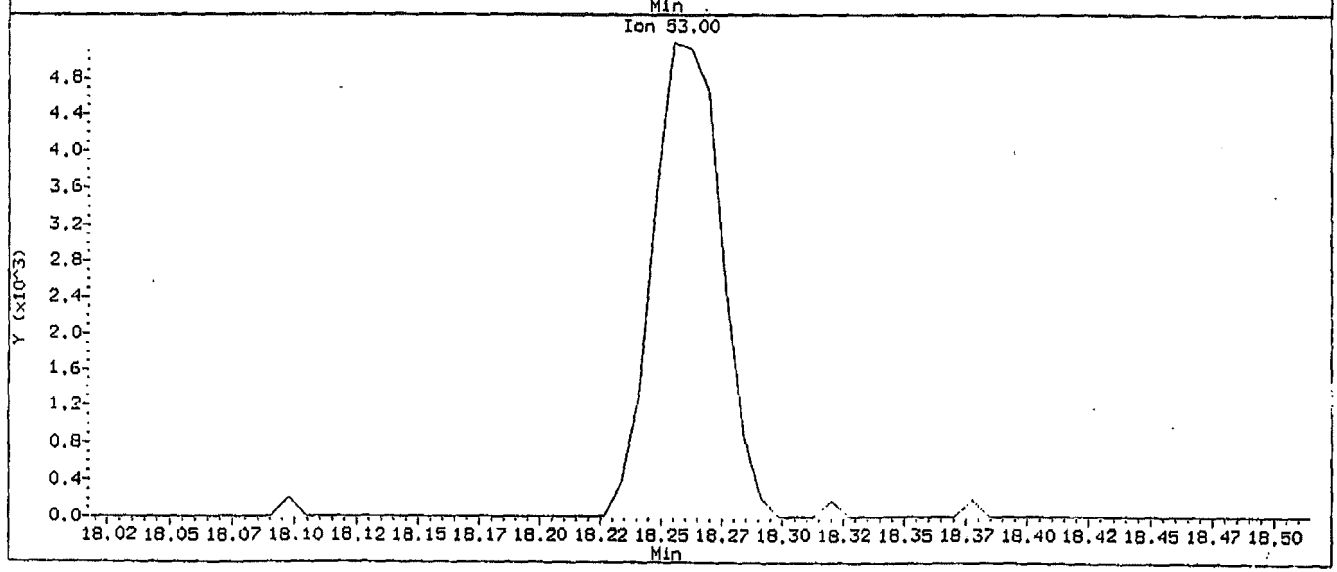


Data File: /chem/hp7.i/H71030.b/V7450.D
Injection Date: 31-OCT-2000 00:51
Instrument: hp7.i
Client Sample ID:

Compound: T-1,4-Dichloro-2-Butene
CAS Number: 110-57-6

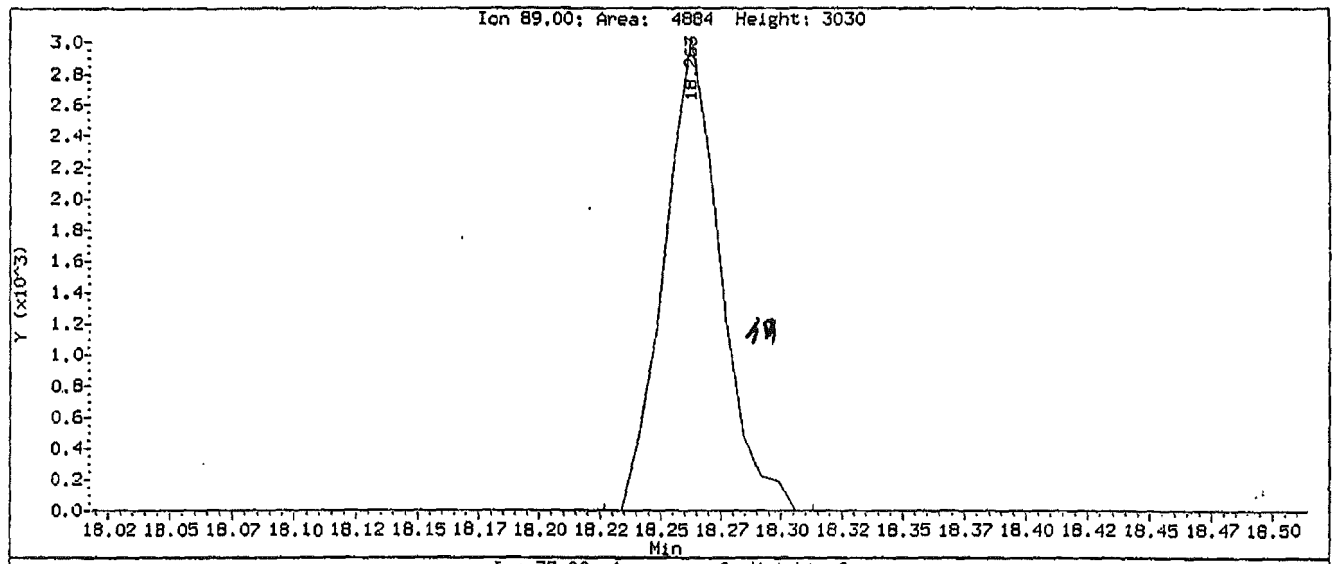


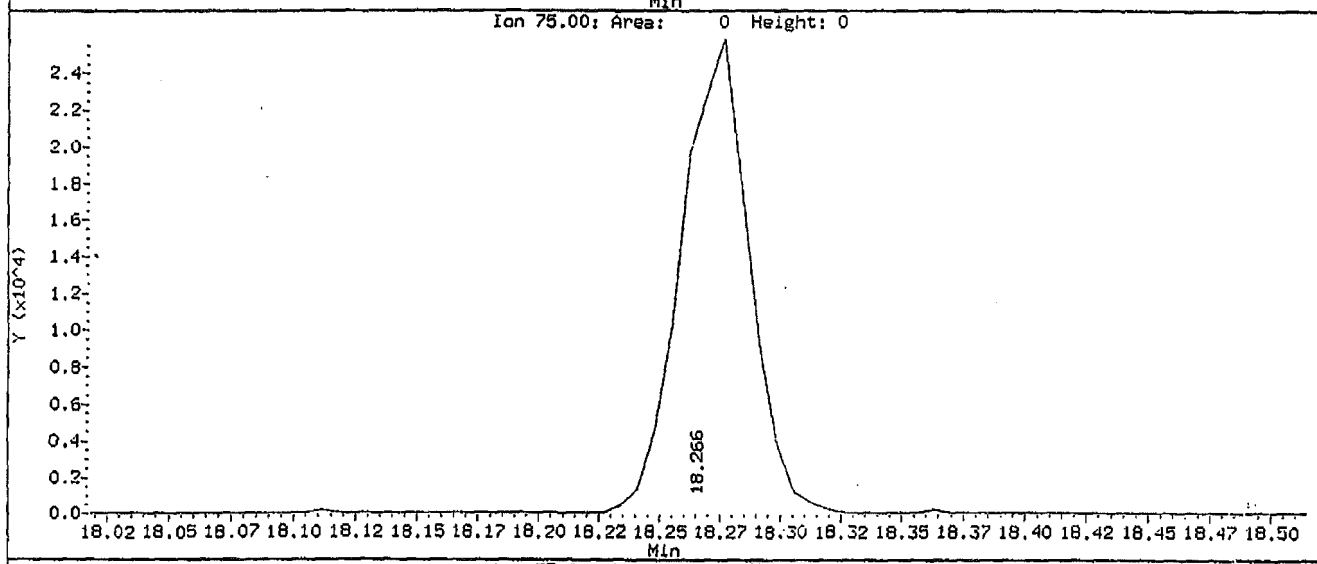


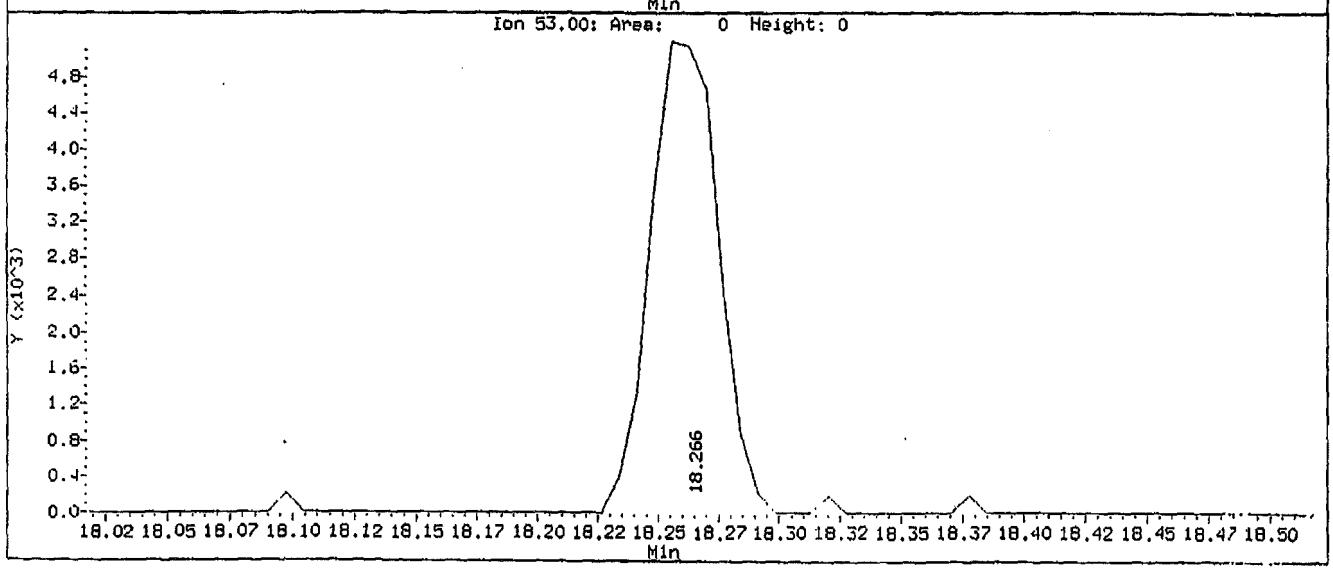


Data File: /chem/hp7.i/H71030.b/V7450.D
Injection Date: 31-OCT-2000 00:51
Instrument: hp7.i
Client Sample ID:

Compound: T-1,4-Dichloro-2-Butene
CAS Number: 110-57-6







STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7449.D
Lab Smp Id: VSTD020 ap9/0xy
Inj Date : 31-OCT-2000 00:20
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD020 ap9/0xy;Barmbys;1;;3;;1
Misc Info : 2;SOIL;0;2ap9.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:24 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2ap9.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
118 Acrolein	56	6.002	6.002	(0.519)	65997	200.000	215.705(A)
119 Iodomethane	142	6.570	6.570	(0.568)	110277	20.0000	20.8534
121 Allyl Chloride	76	6.929	6.929	(0.599)	45752	20.0000	19.1732
120 Acetonitrile	40	6.922	6.922	(0.599)	12681	20.0000	17.4839
122 Acrylonitrile	53	7.591	7.591	(0.656)	229051	200.000	211.119(A)
123 Chloroprene	53	8.625	8.625	(0.746)	195255	20.0000	21.0992
124 Propionitrile	54	9.574	9.574	(0.828)	9926	20.0000	20.7935(M) (2) see note
125 Methacrylonitrile	41	9.847	9.847	(0.851)	41074	20.0000	19.2732
127 Isobutanol	43	10.731	10.731	(0.928)	33088	200.000	199.043(M) (2)
* 32 1,4-Difluorobenzene	114	11.565	11.565	(1.000)	951964	50.0000	
128 Methyl Methacrylate	41	12.499	12.499	(1.081)	73624	20.0000	20.4876
129 Ethyl Methacrylate	69	14.446	14.446	(1.249)	99243	20.0000	19.0045
* 50 Chlorobenzene-d5	117	16.214	16.214	(1.000)	766268	50.0000	
130 T-1,4-Dichloro-2-Butene	89	18.262	18.262	(0.922)	11919	20.0000	16.6848
* 72 1,4 Dichlorobenzene-d4	152	19.807	19.807	(1.000)	399341	50.0000	

(2) - poor chromatography

QC Flag Legend

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

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71030.b\V7449.D
Lab Smp Id: VSTD020 ap9/0xy
Inj Date : 31-OCT-2000 00:20
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD020 ap9/0xy;Barmbys;1;;2;;1
Misc Info : 2;SOIL;0;2ap9.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 00:45 auto Quant Type: ISTD
Cal Date : 09-OCT-2000 18:32 Cal File: V7418.D
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2ap9.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

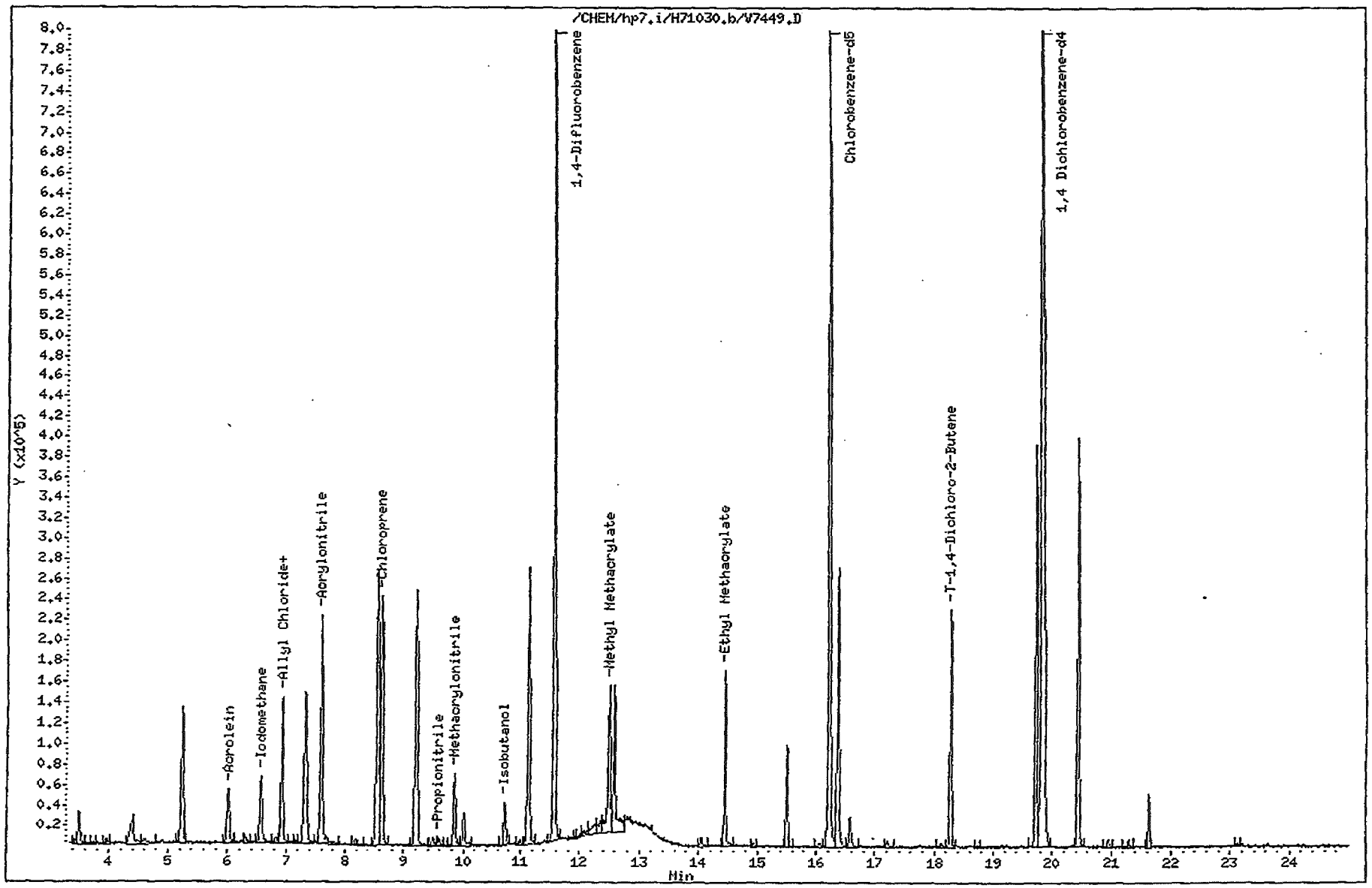
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
118 Acrolein	56	6.002	6.006	(0.519)	65997	10.0000	30.3145
119 Iodomethane	142	6.570	6.559	(0.568)	110277	10.0000	10.6570
121 Allyl Chloride	76	6.929	6.926	(0.599)	45752	10.0000	23.4417
120 Acetonitrile	40	6.922	6.926	(0.599)	12681	10.0000	18.0586
122 Acrylonitrile	53	7.591	7.587	(0.656)	229051	10.0000	22.7719
123 Chloroprene	53	8.625	8.629	(0.746)	195255	10.0000	19.7429
124 Propionitrile	54	9.574	9.570	(0.828)	8921	10.0000	19.1359
125 Methacrylonitrile	41	9.847	9.843	(0.851)	41074	10.0000	21.1242
127 Isobutanol	43	10.731	10.735	(0.928)	31344	10.0000	19.5008
* 32 1,4-Difluorobenzene	114	11.565	11.561	(1.000)	951964	50.0000	
128 Methyl Methacrylate	41	12.499	12.495	(1.081)	73624	10.0000	19.7361
129 Ethyl Methacrylate	69	14.446	14.450	(1.249)	99243	10.0000	23.7910
* 50 Chlorobenzene-d5	117	16.214	16.211	(1.000)	766268	50.0000	
130 T-1,4-Dichloro-2-Butene	89	18.262	18.266	(0.922)	11919	10.0000	23.4367
* 72 1,4 Dichlorobenzene-d4	152	19.807	19.811	(1.000)	399341	50.0000	

Data File: /CHEM/hp7.i/H71030.b/V7449.D
Date : 31-OCT-2000 00:20
Client ID:
Sample Info: VSTD020 ap9/Oxy;Barmbys;1;;2;;1

Column phase:

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53

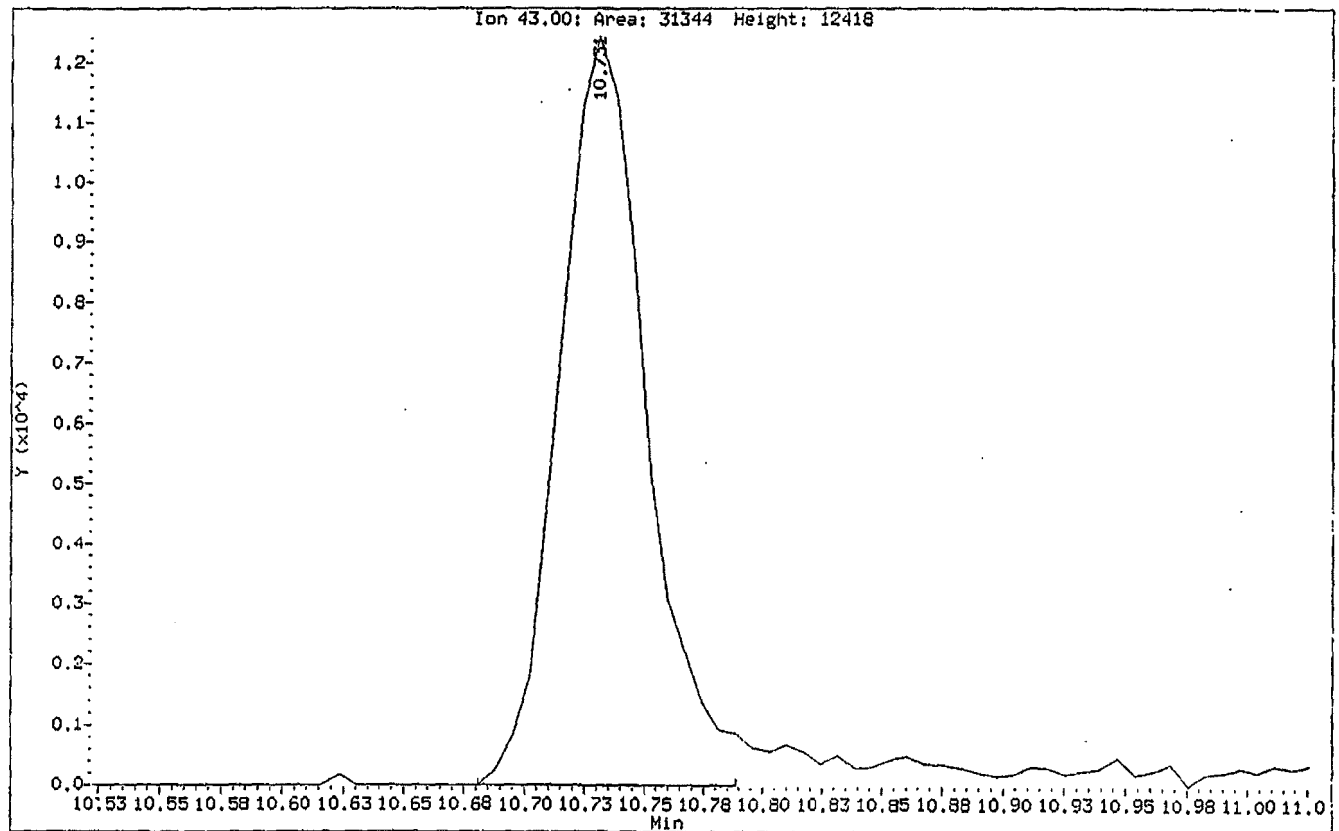


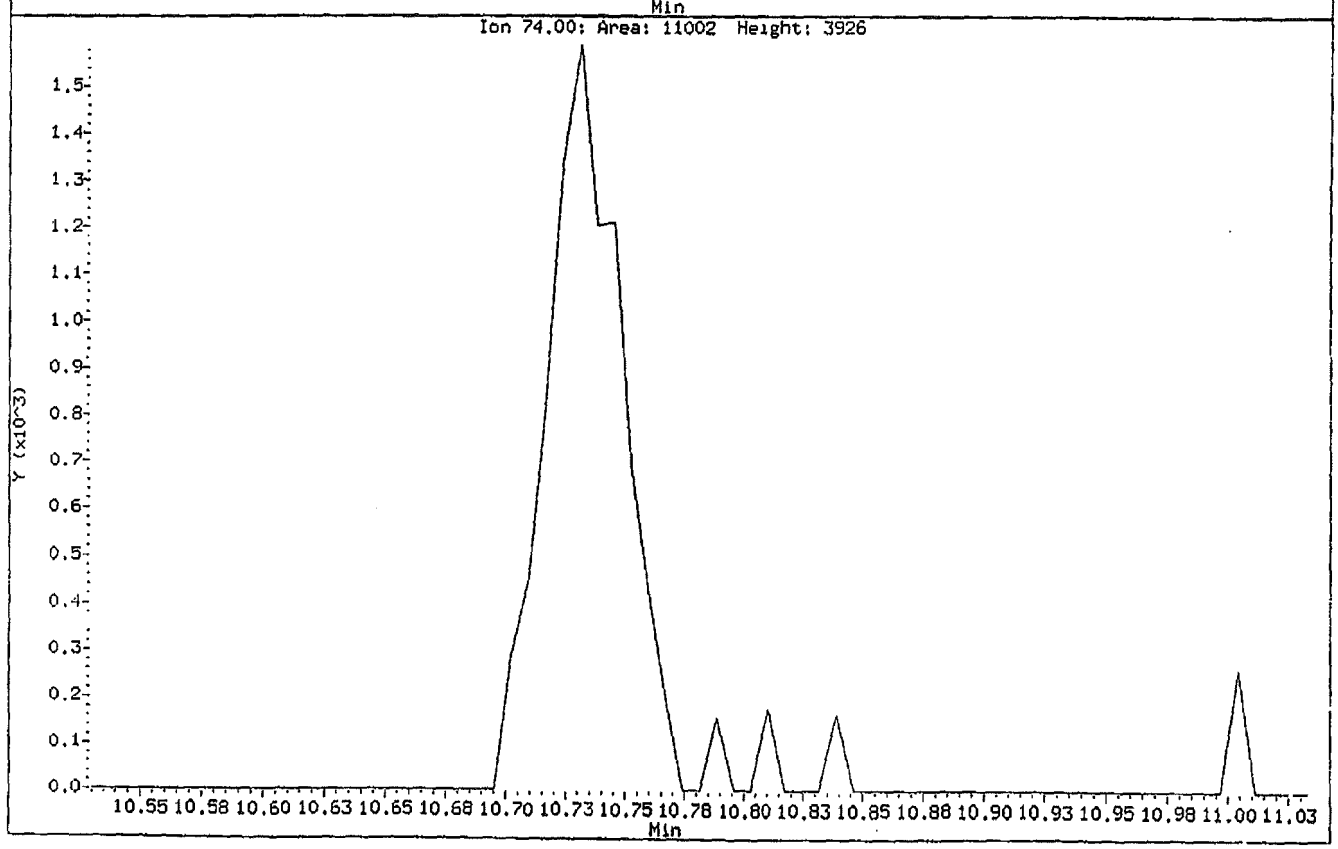
002002

BOE-C6-0175540

Data File: /chem/hp7.i/H71030.b/V7449.D
Injection Date: 31-OCT-2000 00:20
Instrument: hp7.i
Client Sample ID:

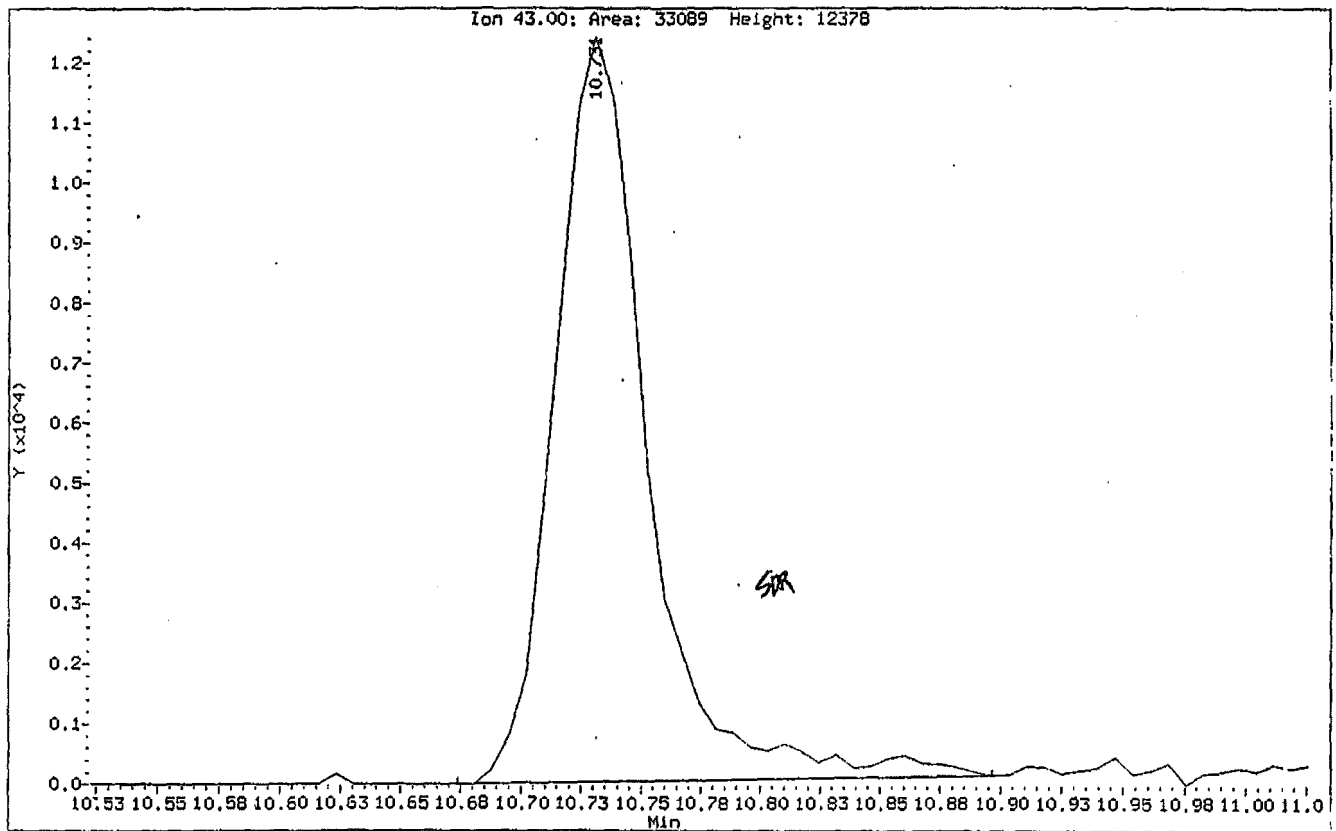
Compound: Isobutanol
CAS Number: 78-83-1

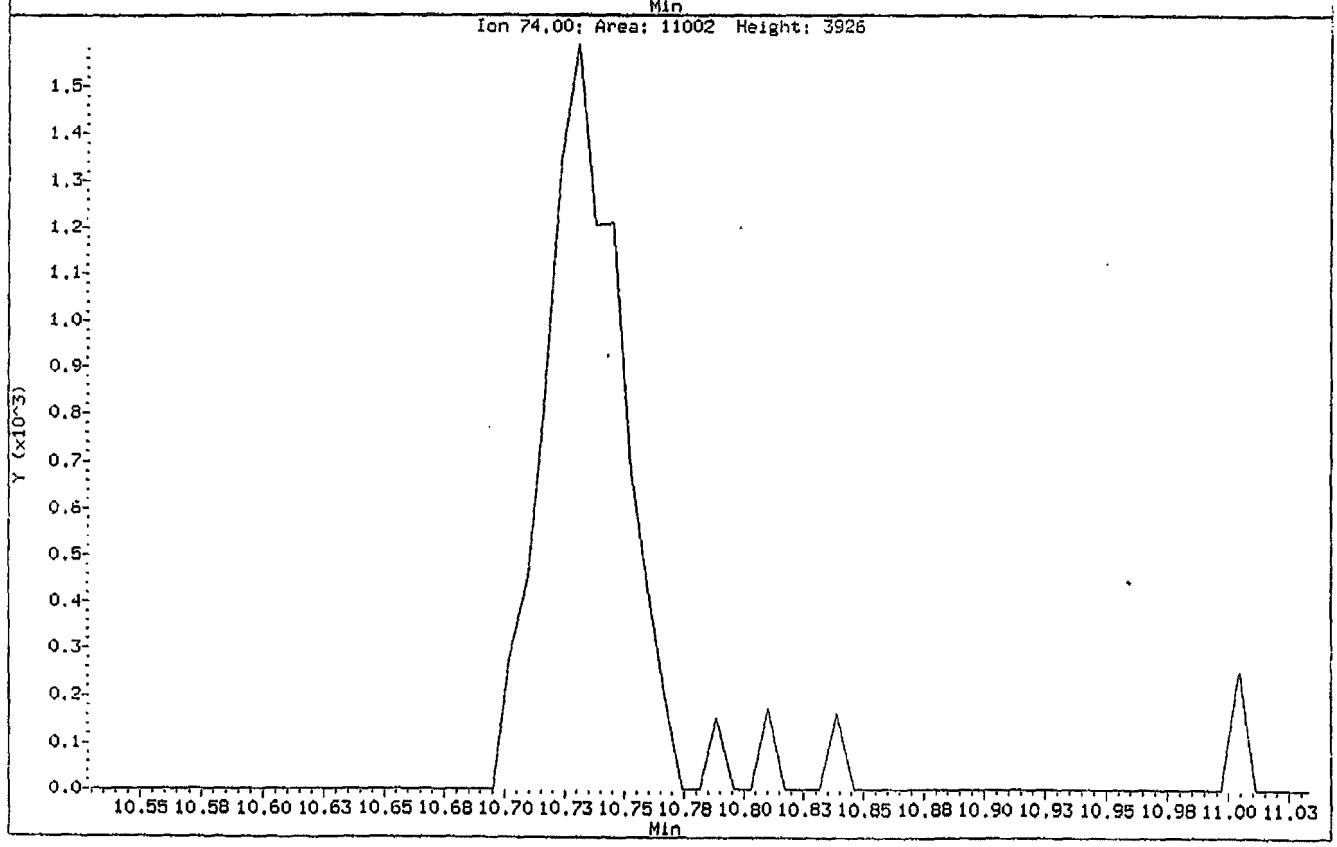




Data File: /chem/hp7.i/H71030.b/V7449.D
Injection Date: 31-OCT-2000 00:20
Instrument: hp7.i
Client Sample ID:

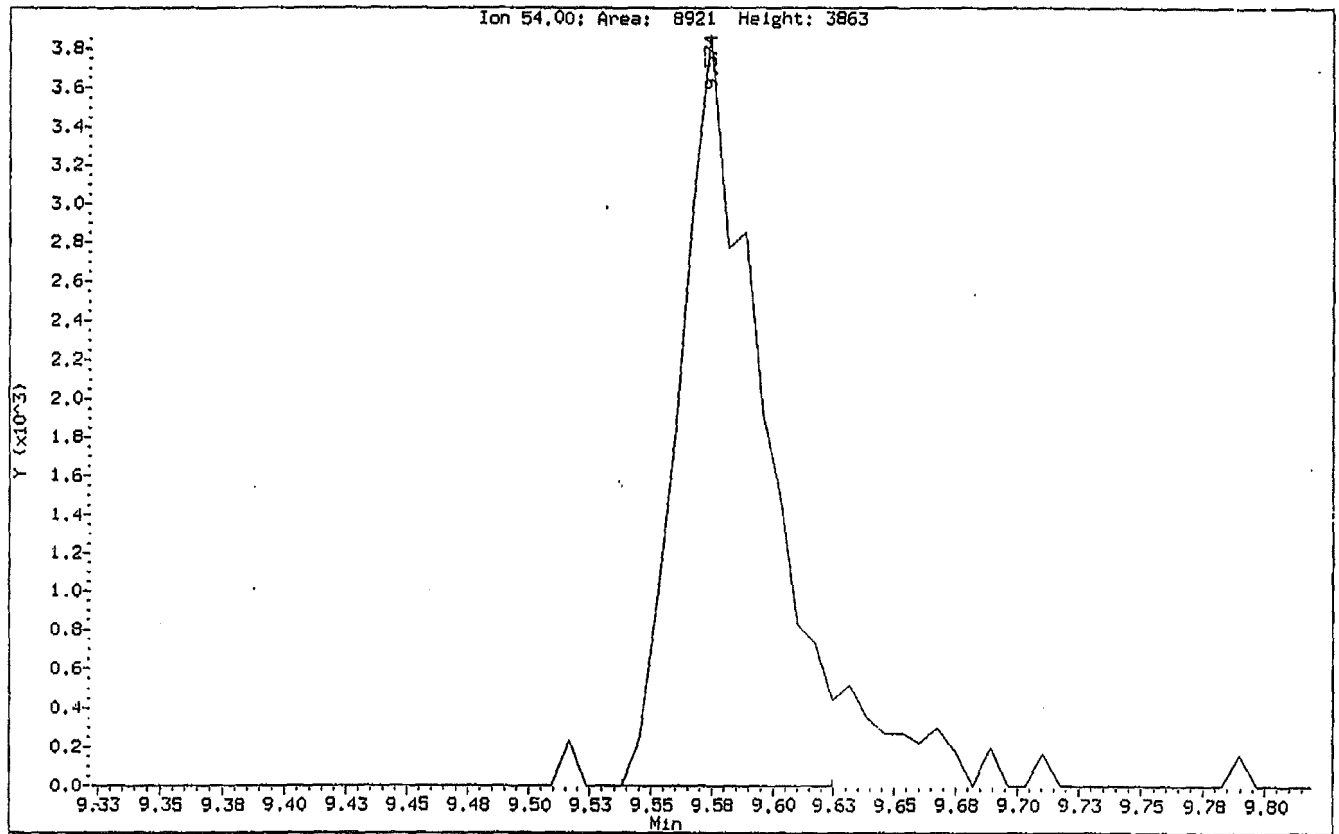
Compound: Isobutanol
CAS Number: 78-83-1

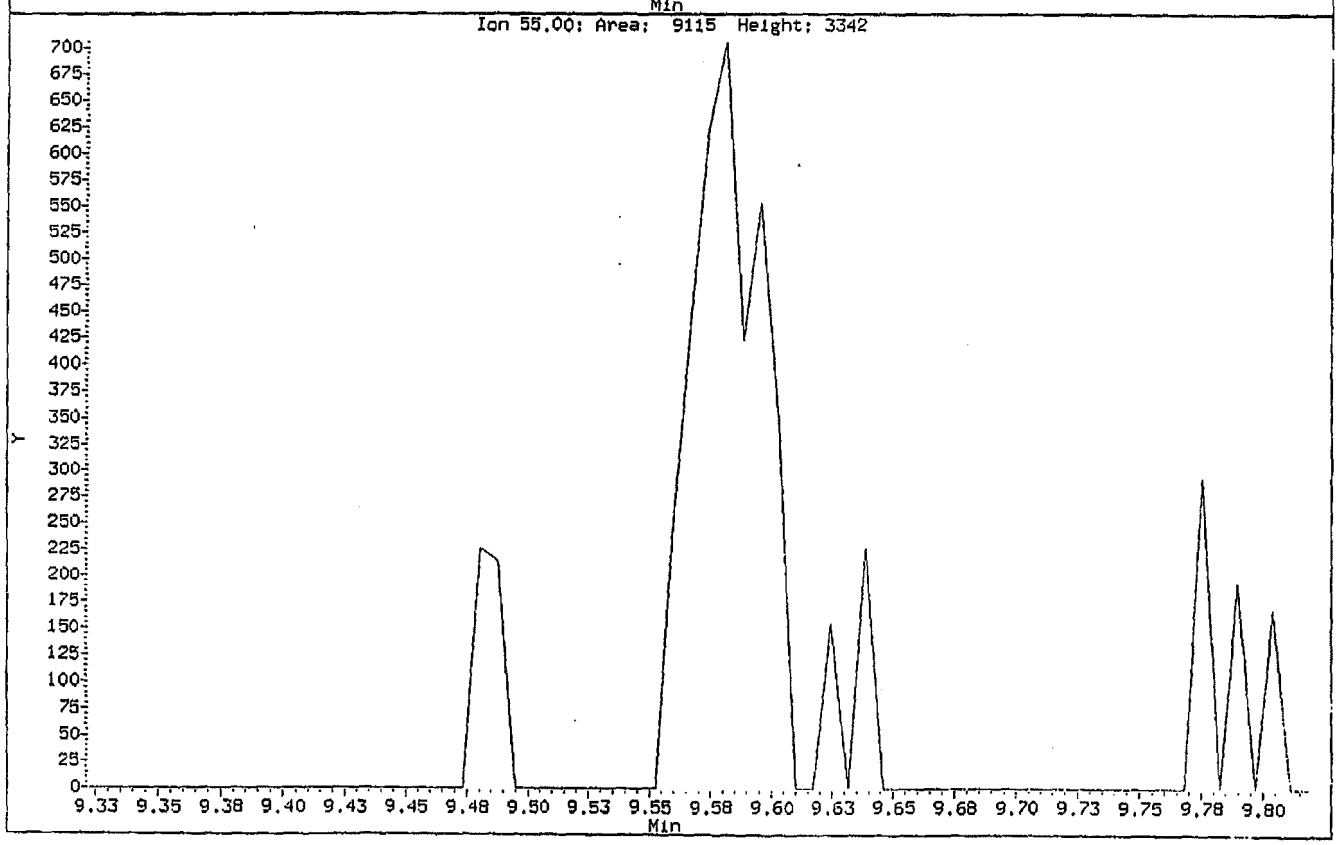




Data File: /chem/hp7.i/H71030.b/V7449.D
Injection Date: 31-OCT-2000 00:20
Instrument: hp7.i
Client Sample ID:

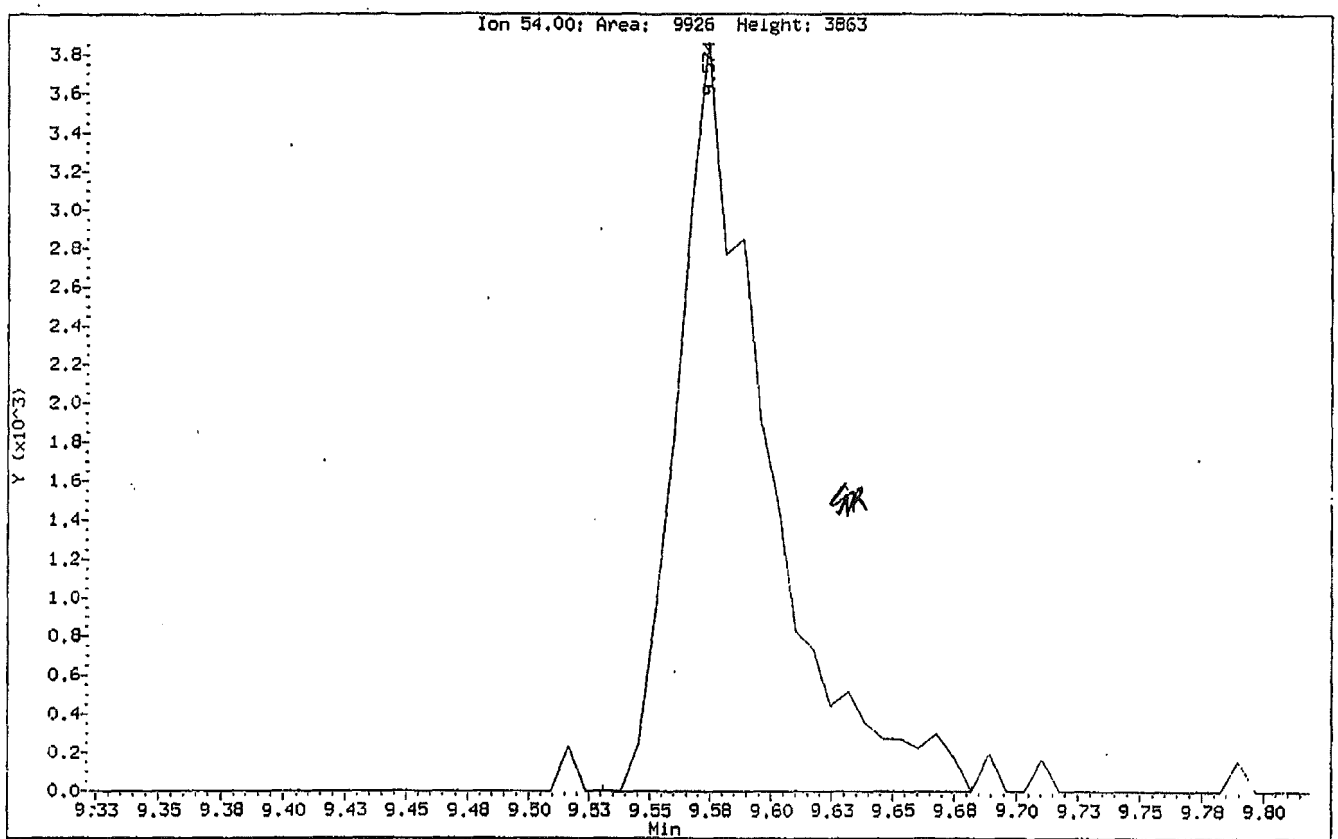
Compound: Propionitrile
CAS Number: 107-12-0

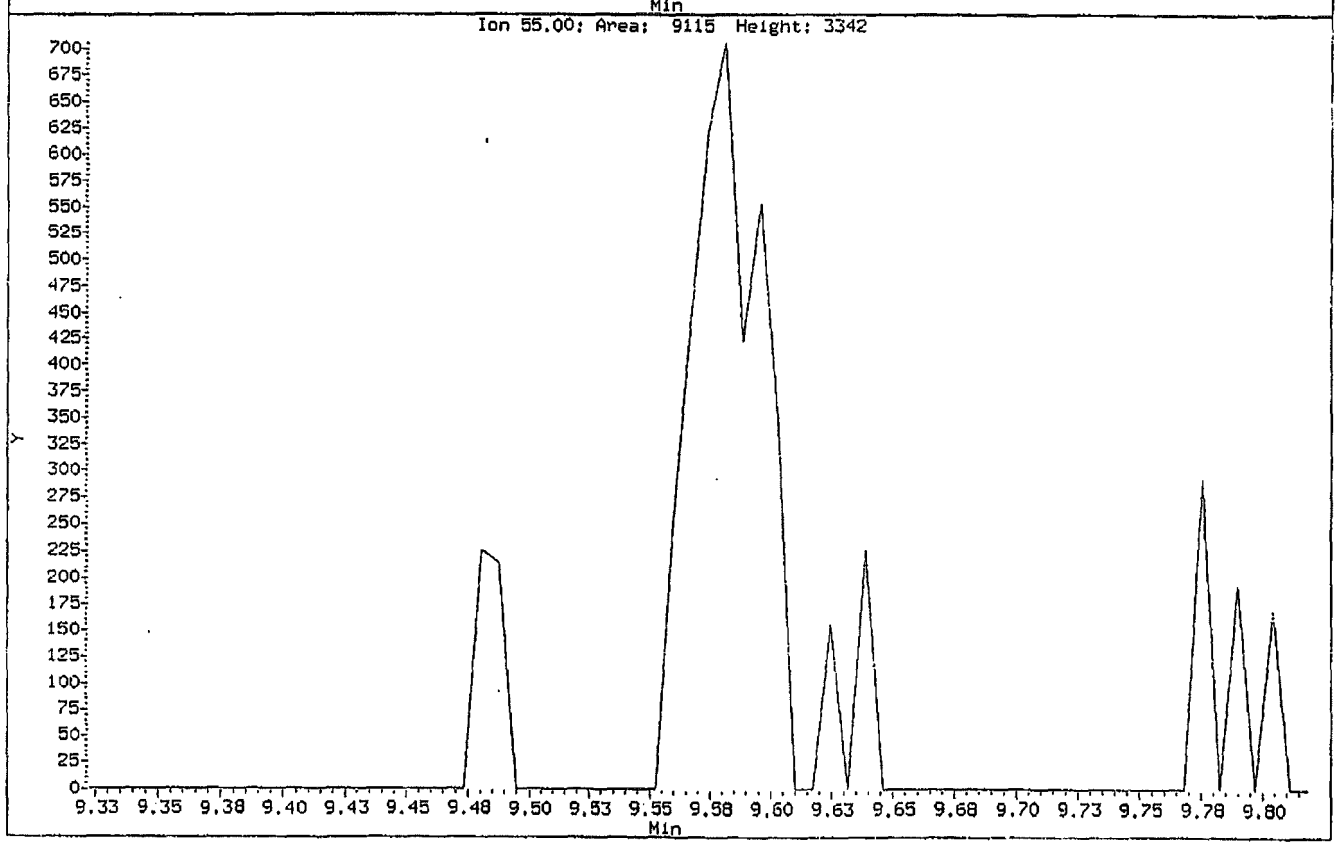




Data File: /chem/hp7.i/H71030.b/V7449.D
Injection Date: 31-OCT-2000 00:20
Instrument: hp7.i
Client Sample ID:

Compound: Propionitrile
CAS Number: 107-12-0





STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7448.D
Lab Smp Id: VSTD050 ap9/0xy
Inj Date : 30-OCT-2000 23:49
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD050 ap9/0xy;Barmbys;1;;4;;1
Misc Info : 2;SOIL;0;2ap9.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:24 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2ap9.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
118 Acrolein	56	6.006	6.006	(0.519)	149876	500.000	483.898(A)
119 Iodomethane	142	6.559	6.559	(0.567)	282664	50.0000	52.8018
121 Allyl Chloride	76	6.926	6.926	(0.599)	118255	50.0000	48.9543
120 Acetonitrile	40	6.926	6.926	(0.599)	36324	50.0000	49.4727
122 Acrylonitrile	53	7.587	7.587	(0.656)	509453	500.000	463.859(A)
123 Chloroprene	53	8.629	8.629	(0.746)	463892	50.0000	49.5183
124 Propionitrile	54	9.570	9.570	(0.828)	21089	50.0000	43.6412
125 Methacrylonitrile	41	9.843	9.843	(0.851)	103504	50.0000	47.9767
127 Isobutanol	43	10.735	10.735	(0.928)	76449	500.000	452.680(AM) ② 503/1d3d/w
* 32 1,4-Difluorobenzene	114	11.561	11.561	(1.000)	963683	50.0000	
128 Methyl Methacrylate	41	12.495	12.495	(1.081)	182894	50.0000	50.2757
129 Ethyl Methacrylate	69	14.450	14.450	(1.250)	271635	50.0000	51.3840
* 50 Chlorobenzene-d5	117	16.211	16.211	(1.000)	792374	50.0000	
130 T-1,4-Dichloro-2-Butene	89	18.266	18.266	(0.922)	36180	50.0000	48.7710
* 72 1,4 Dichlorobenzene-d4	152	19.811	19.811	(1.000)	414697	50.0000	

② - poor chromatography

QC Flag Legend

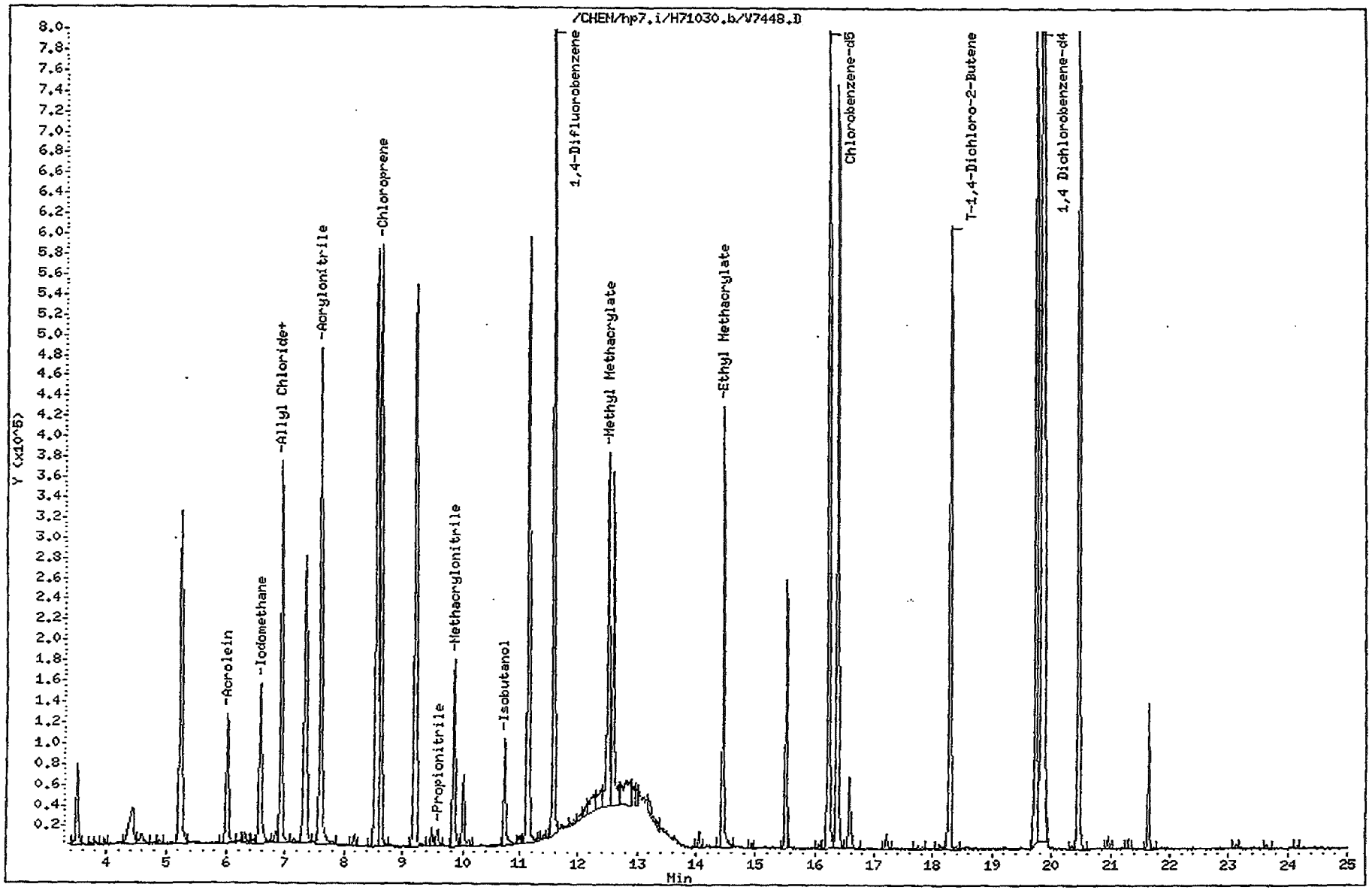
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

.ta File: /CHEM/hp7.i/H71030.b/V7448.D
Date : 30-OCT-2000 23:49
Client ID:
Sample Info: VSTD050 ap9/Oxy;Barmbys;1;;4;;1

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53

Column phase:

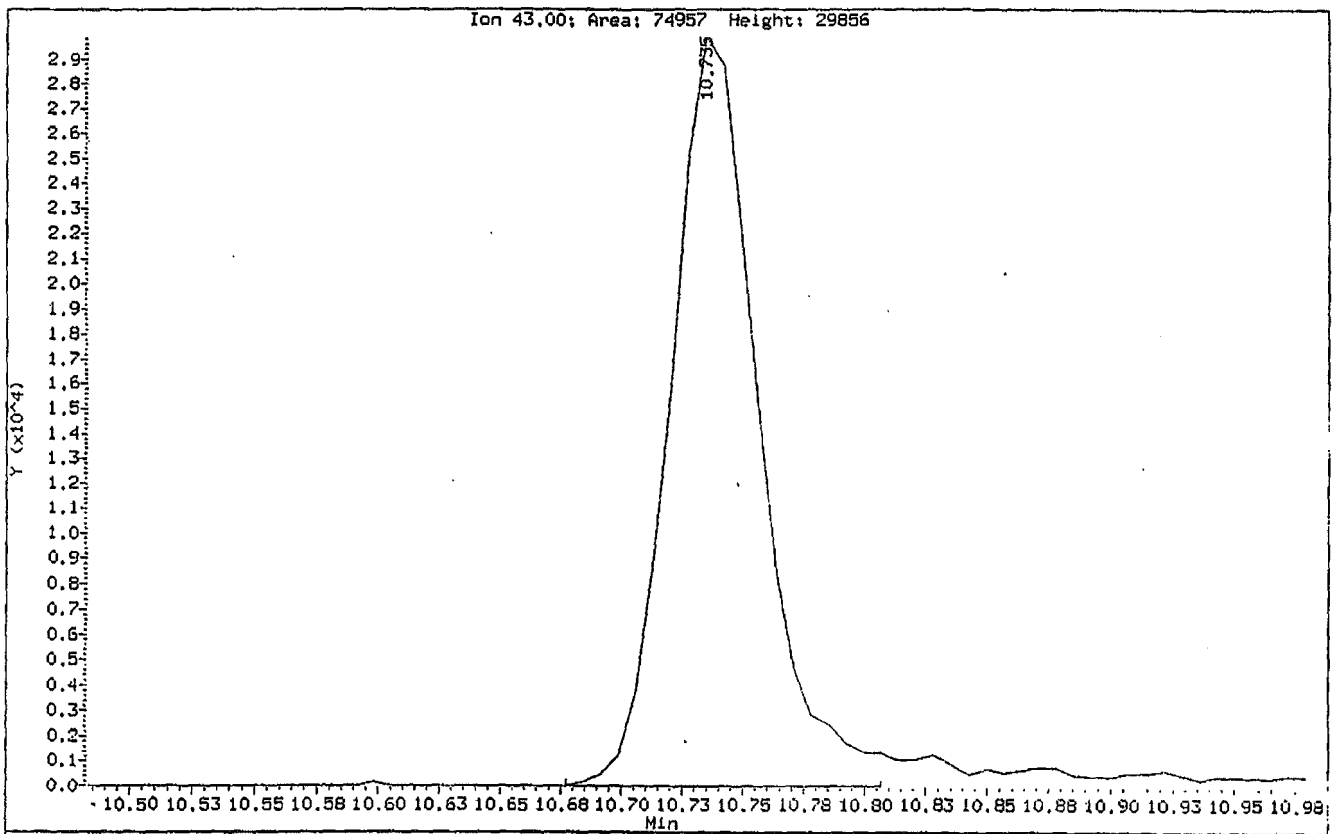


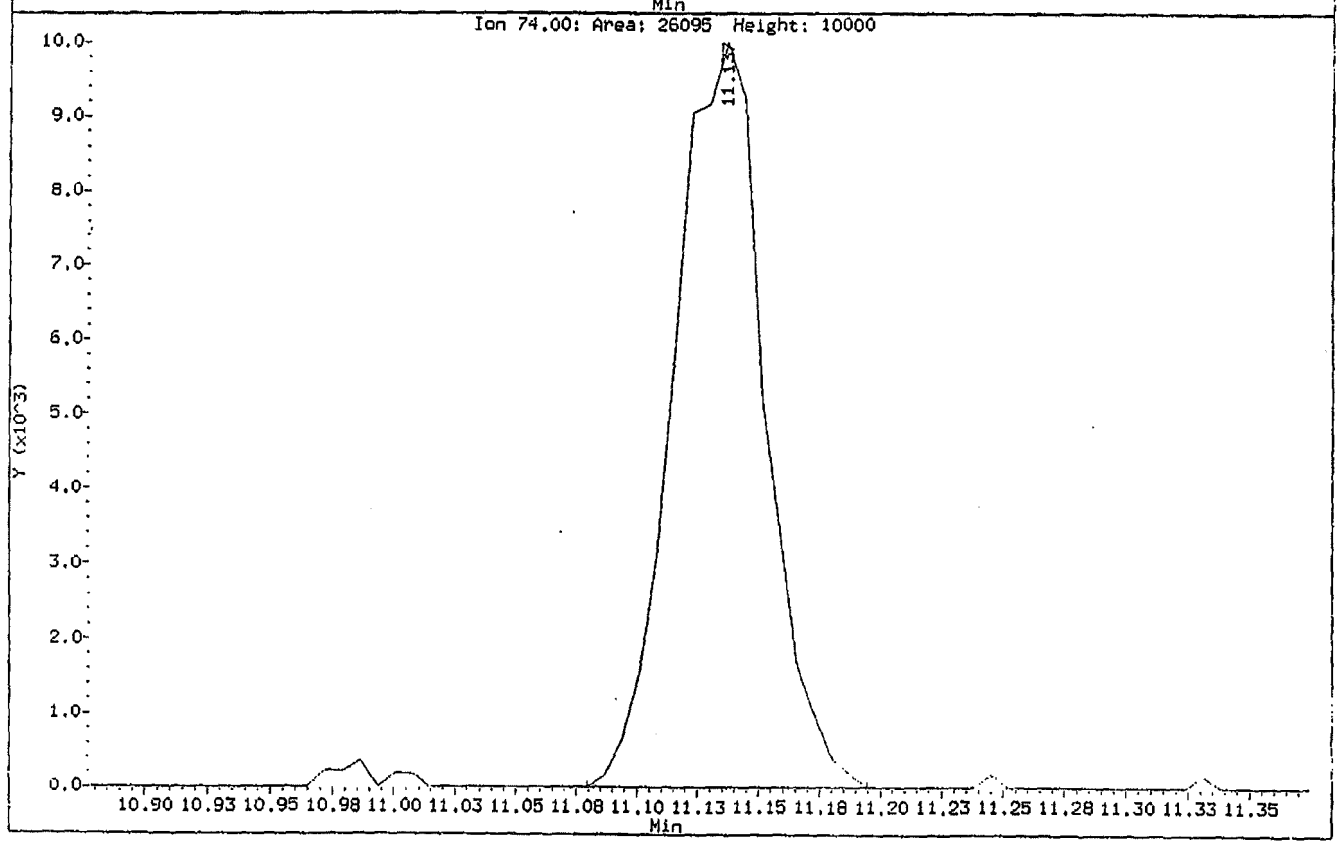
002009

BOE-C6-0175547

Data File: /chem/hp7.i/H71030.b/V7448.D
Injection Date: 30-OCT-2000 23:49
Instrument: hp7.i
Client Sample ID:

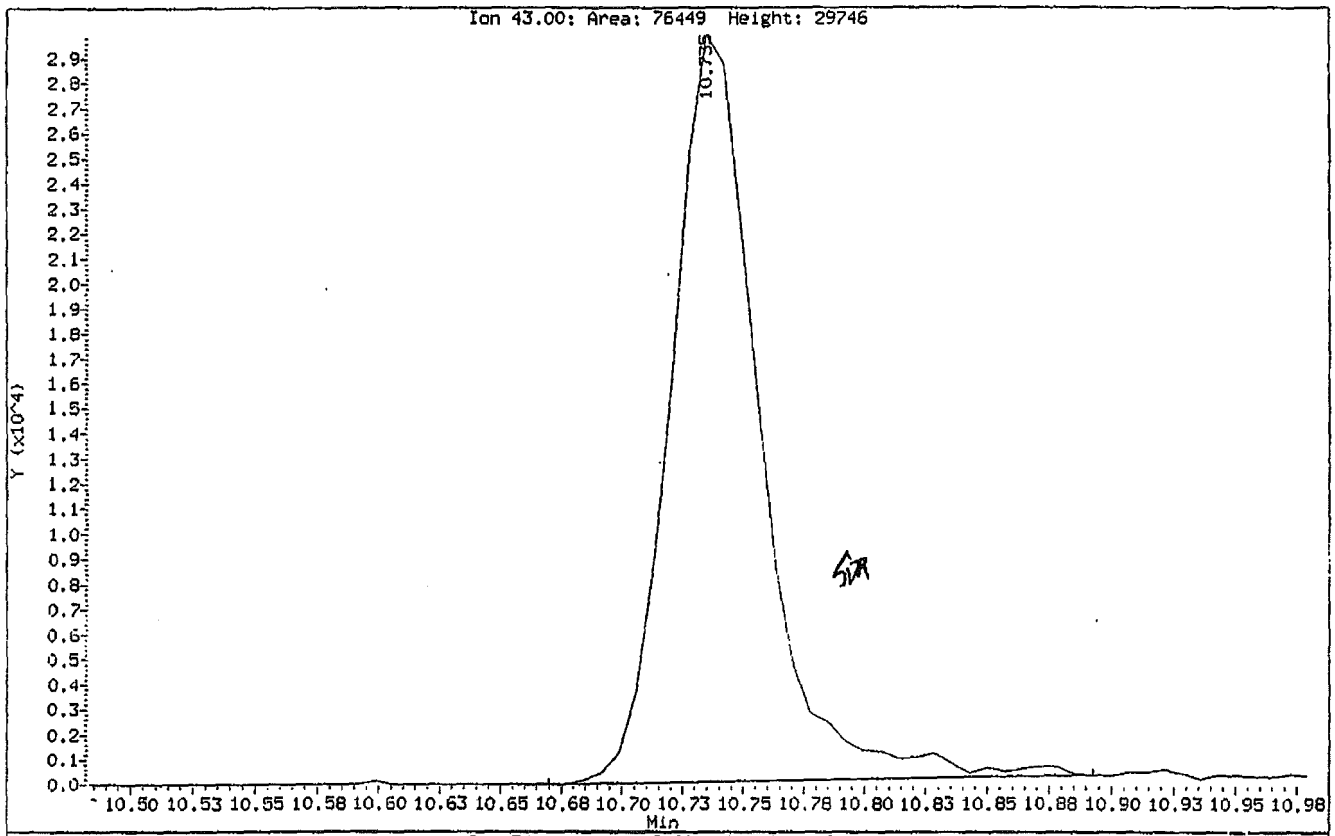
Compound: Isobutanol
CAS Number: 78-83-1

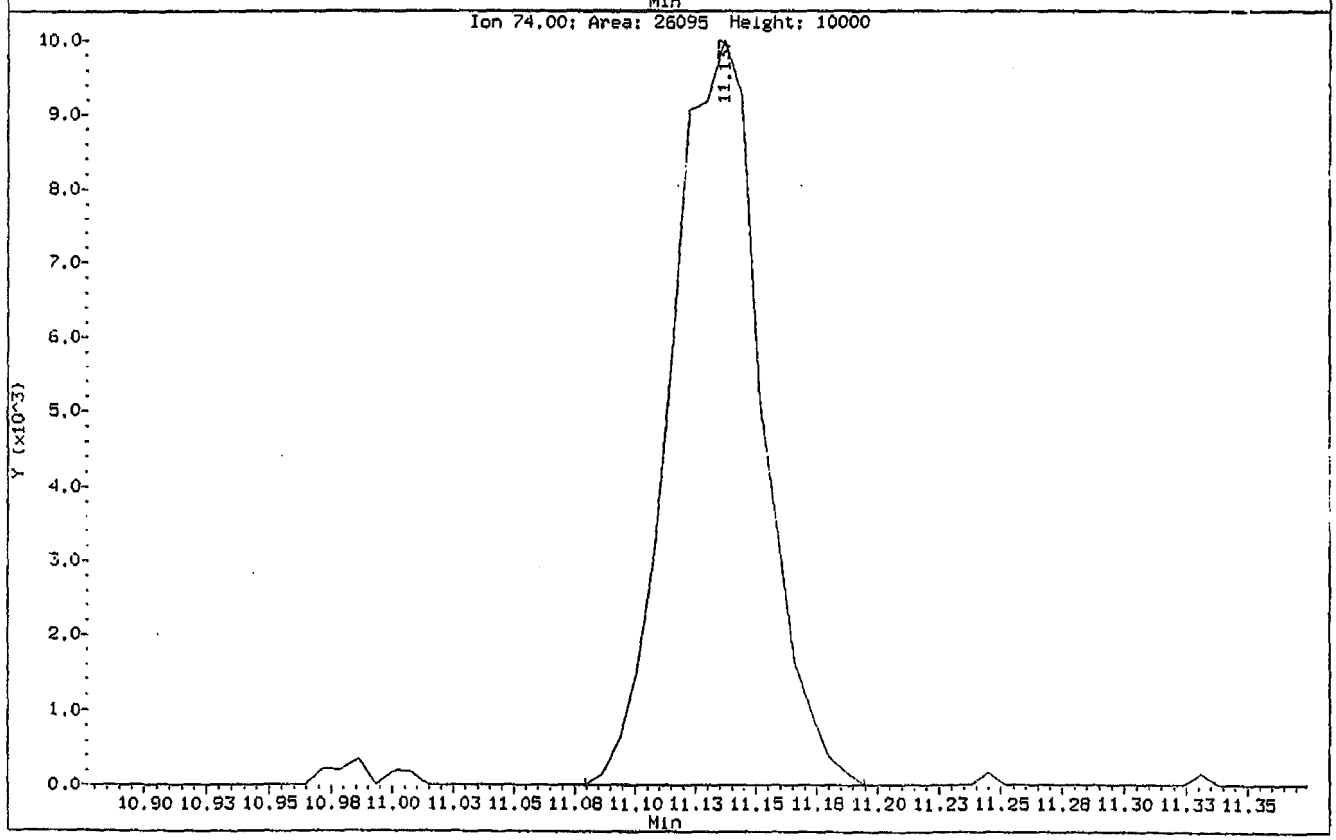




Data File: /chem/hp7.i/H71030.b/V7448.D
Injection Date: 30-OCT-2000 23:49
Instrument: hp7.i
Client Sample ID:

Compound: Isobutanol
CAS Number: 78-83-1





002011

BOE-C6-0175549

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7447.D
Lab Smp Id: VSTD100 ap9/0xy
Inj Date : 30-OCT-2000 23:19
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD100 ap9/0xy;Barmbys;1;;5;;1
Misc Info : 2;SOIL;0;2ap9.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:16 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2ap9.sub
Target Version: 3.40
Processing Host: SACP2006

SJB 11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
118 Acrolein	56	6.010	6.010	(0.520)	320203	1000.00	919.320(A)
119 Iodomethane	142	6.556	6.556	(0.567)	541696	100.000	74.5080
121 Allyl Chloride	76	6.922	6.922	(0.599)	241572	100.000	88.9949
120 Acetonitrile	40	6.915	6.915	(0.598)	73102	100.000	84.6853(H)
122 Acrylonitrile	53	7.591	7.591	(0.656)	1046891	1000.00	833.787(A)
123 Chloroprene	53	8.626	8.626	(0.746)	858620	100.000	77.7784
124 Propionitrile	54	9.574	9.574	(0.828)	48667	100.000	87.9028
125 Methacrylonitrile	41	9.840	9.840	(0.851)	223848	100.000	91.7157
127 Isobutanol	43	10.753	10.753	(0.930)	175394	1000.00	943.775(A)
* 32 1,4-Difluorobenzene	114	11.565	11.565	(1.000)	945243	50.0000	
128 Methyl Methacrylate	41	12.499	12.499	(1.081)	352839	100.000	81.6640
129 Ethyl Methacrylate	69	14.447	14.447	(1.249)	560626	100.000	93.2351
* 50 Chlorobenzene-d5	117	16.215	16.215	(1.000)	756097	50.0000	
130 T-1,4-Dichloro-2-Butene	89	18.263	18.263	(0.922)	85826	100.000	105.685
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.815	(1.000)	404889	50.0000	

(2) SJB 10/30/00

MANUAL EDIT CODES
1. PEAK NOT FOUND
2. POOR CHROMATOGRAPHY
3. WRONG ISOMER
ALL MANUAL EDITS MUST BE INITIALED, DATED, AND CODED.

QC Flag Legend

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

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \CHEM\hp7.i\H71030.b\V7447.D
Lab Smp Id: VSTD100 ap9/0xy
Inj Date : 30-OCT-2000 23:19
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD100 ap9/0xy;Barmbys;1;;5;;1
Misc Info : 2;SOIL;0;2ap9.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 30-Oct-2000 23:44 auto Quant Type: ISTD
Cal Date : 09-OCT-2000 18:32 Cal File: V7418.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2ap9.sub
Target Version: 3.40
Processing Host: SACP2006

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

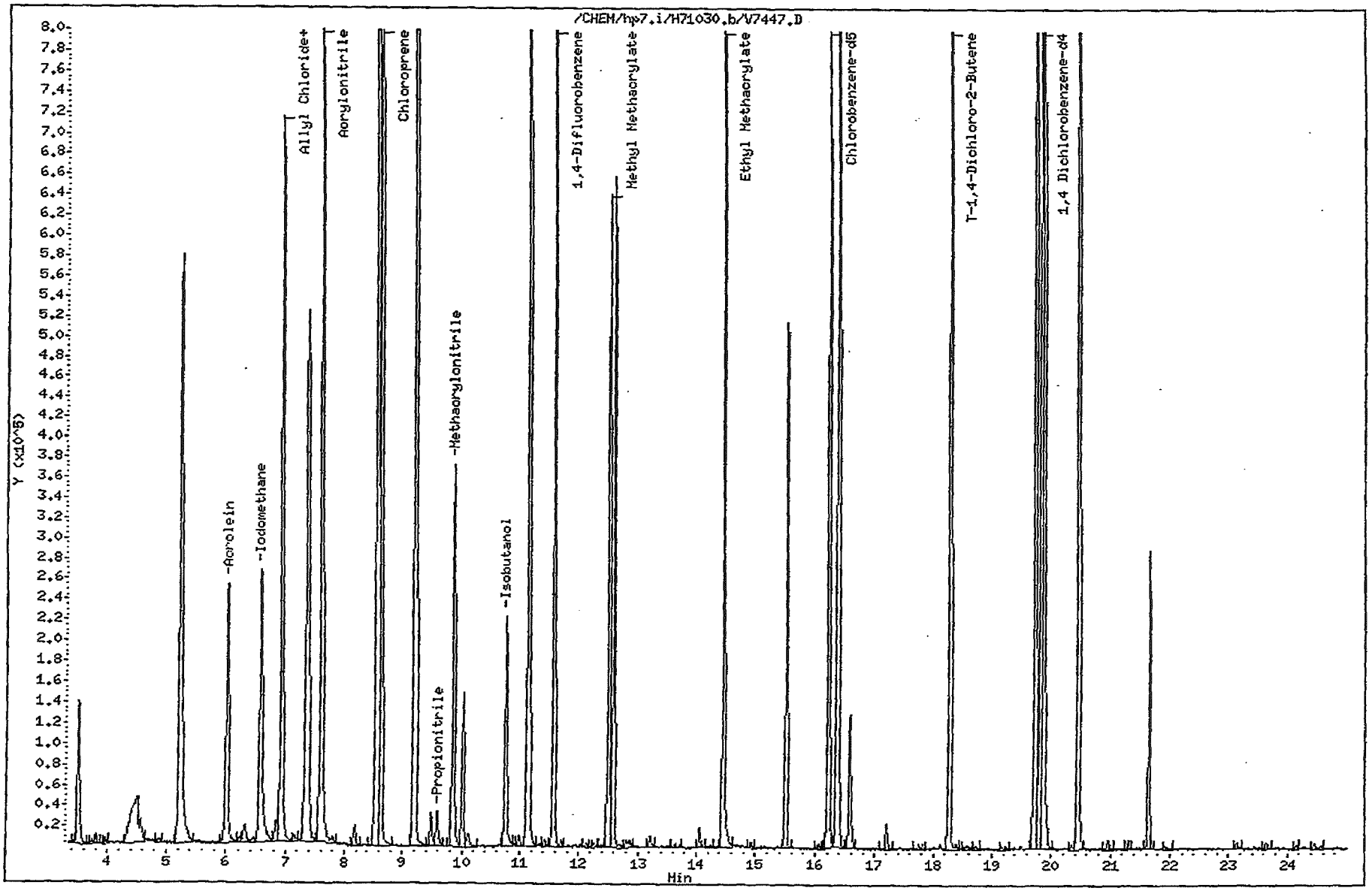
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
118 Acrolein	56	6.010	6.011	(0.520)	320203	100.000	148.125
119 Iodomethane	142	6.556	6.571	(0.567)	541696	100.000	52.7211
121 Allyl Chloride	76	6.922	6.931	(0.599)	241572	100.000	124.653
120 Acetonitrile	40	6.915	6.931	(0.598)	73102	100.000	104.843
122 Acrylonitrile	53	7.591	7.592	(0.656)	1046891	100.000	104.820
123 Chloroprene	53	8.626	8.634	(0.746)	858620	100.000	87.4353
124 Propionitrile	54	9.574	9.575	(0.828)	48667	100.000	105.135
125 Methacrylonitrile	41	9.840	9.848	(0.851)	223848	100.000	115.943
127 Isobutanol	43	10.753	10.732	(0.930)	175394	100.000	109.898
* 32 1,4-Difluorobenzene	114	11.565	11.554	(1.000)	945243	50.0000	
128 Methyl Methacrylate	41	12.499	12.500	(1.081)	352839	100.000	95.2567
129 Ethyl Methacrylate	69	14.447	14.447	(1.249)	560626	100.000	135.351
* 50 Chlorobenzene-d5	117	16.215	16.204	(1.000)	756097	50.0000	
130 T-1,4-Dichloro-2-Butene	89	18.263	18.263	(0.922)	85826	100.000	166.450
* 72 1,4 Dichlorobenzene-d4	152	19.815	19.804	(1.000)	404889	50.0000	

Data File: /CHEM/hp7.i/H71030.b/V7447.D
Date : 30-OCT-2000 23:19
Client ID:
Sample Info: VSTD100 ap9/Oxy;Barmbys;1;;5;;1

Instrument: hp7.i

Operator: Barmbys
Column diameter: 0.53

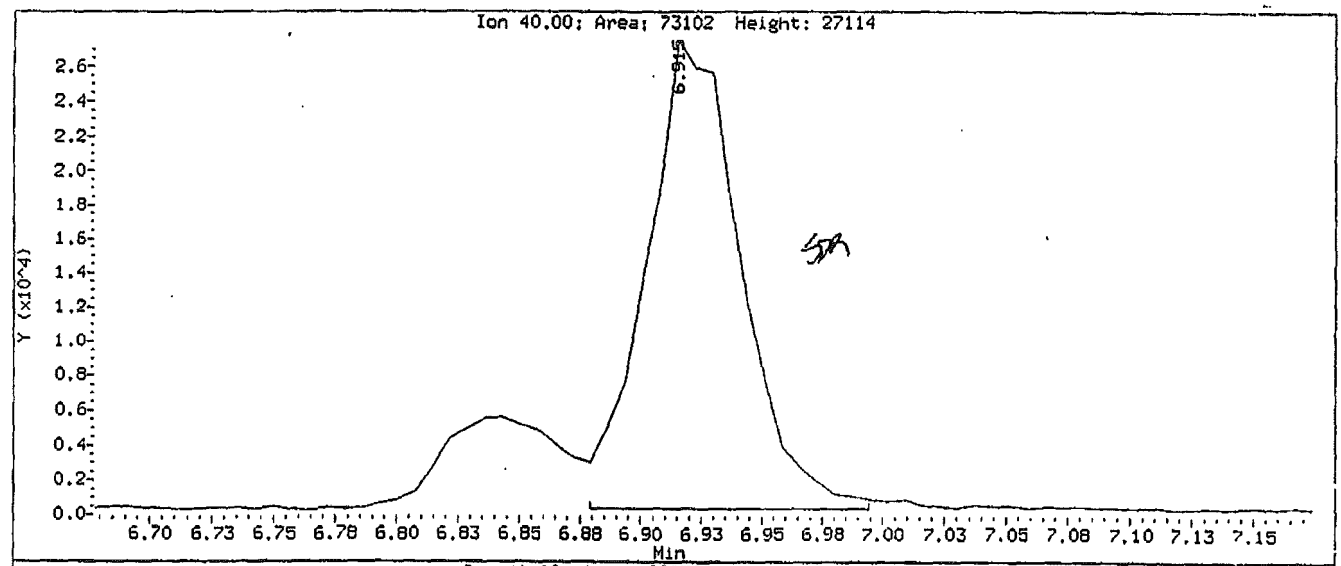
Column phase:

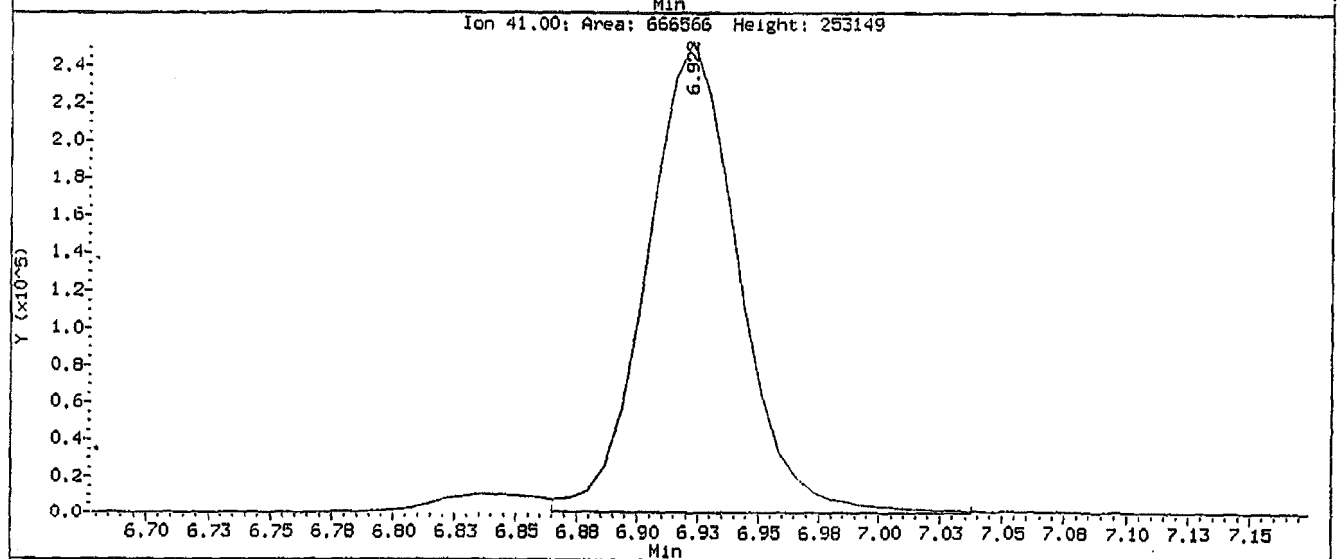


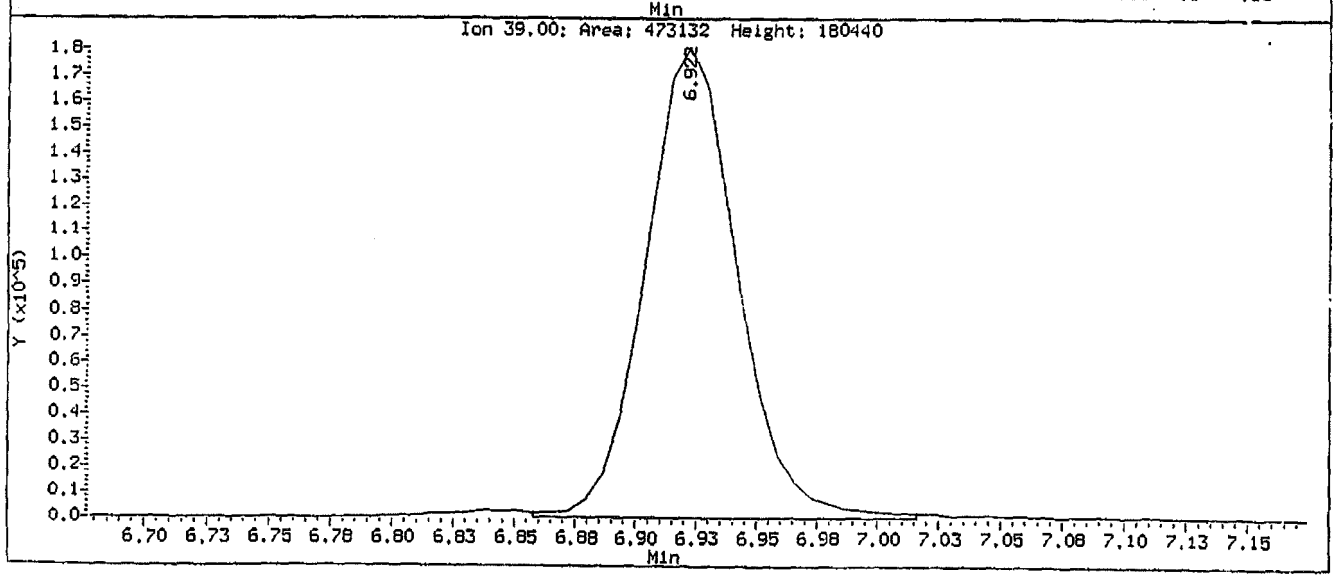
002015

Data File: /chem/hp7.i/H71030.b/V7447.D
Injection Date: 30-OCT-2000 23:19
Instrument: hp7.i
Client Sample ID:

Compound: Acetonitrile
CAS Number: 75-05-8







STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7446.D
Lab Smp Id: VSTD200 ap9/0xy
Inj Date : 30-OCT-2000 22:48
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD200 ap9/0xy;Barmbys;1;;6;;1
Misc Info : 2;SOIL;0;2ap9.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:24 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2ap9.sub
Target Version: 3.40
Processing Host: SACP2006

SMB 11/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
118 Acrolein	56	6.011	6.011	(0.520)	528402	2000.00	1680.12(A)
119 Iodomethane	142	6.557	6.557	(0.567)	864474	200.000	159.032
121 Allyl Chloride	76	6.923	6.923	(0.599)	497940	200.000	203.003(A)
120 Acetonitrile	40	6.923	6.923	(0.599)	163628	200.000	219.475(AM) ② SMB 11/8/00
122 Acrylonitrile	53	7.599	7.599	(0.657)	2023639	2000.00	1814.55(A)
123 Chloroprene	53	8.619	8.619	(0.746)	1819823	200.000	191.308
124 Propionitrile	54	9.582	9.582	(0.829)	98833	200.000	201.417(A)
125 Methacrylonitrile	41	9.848	9.848	(0.852)	472742	200.000	215.800(A)
127 Isobutanol	43	10.775	10.775	(0.932)	363311	2000.00	2148.67(A)
* 32 1,4-Difluorobenzene	114	11.558	11.558	(1.000)	978542	50.0000	
128 Methyl Methacrylate	41	12.500	12.500	(1.081)	738021	200.000	199.794
129 Ethyl Methacrylate	69	14.447	14.447	(1.250)	1194855	200.000	222.594(A)
* 50 Chlorobenzene-d5	117	16.215	16.215	(1.000)	781919	50.0000	
130 T-1,4-Dichloro-2-Butene	89	18.263	18.263	(0.922)	195348	200.000	251.602(A)
* 72 1,4 Dichlorobenzene-d4	152	19.816	19.816	(1.000)	434030	50.0000	

② - poor chromatograph

QC Flag Legend

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

STL Sacramento

VOLATILE REPORT low level 8260

Data file : \chem\hp7.i\H71030.b\V7446.D
Lab Smp Id: VSTD200 ap9/0xy
Inj Date : 30-OCT-2000 22:48
Operator : Barmbys Inst ID: hp7.i
Smp Info : VSTD200 ap9/0xy;Barmbys;1;;6;;1
Misc Info : 2;SOIL;0;2ap9.sub;;0;5;5
Comment :
Method : \chem\hp7.i\H71030.b\8260S.m
Meth Date : 31-Oct-2000 11:16 barmbys Quant Type: ISTD
Cal Date : 30-OCT-2000 21:47 Cal File: V7444.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2ap9.sub
Target Version: 3.40
Processing Host: SACP2006

SM 10/8/00

Concentration Formula: Amt * DF * x*Uf/Ws

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
118 Acrolein	56	6.011	6.011	(0.520)	528402	2000.00	1465.46(A)
119 Iodomethane	142	6.557	6.557	(0.567)	864474	200.000	114.858
121 Allyl Chloride	76	6.923	6.923	(0.599)	497940	200.000	177.198
120 Acetonitrile	40	6.923	6.923	(0.599)	182539	200.000	204.267(AM)
122 Acrylonitrile	53	7.599	7.599	(0.657)	2023639	2000.00	1556.86(A)
123 Chloroprene	53	8.619	8.619	(0.746)	1819823	200.000	159.240
124 Propionitrile	54	9.582	9.582	(0.829)	98833	200.000	172.438
125 Methacrylonitrile	41	9.848	9.848	(0.852)	472742	200.000	187.102
127 Isobutanol	43	10.775	10.775	(0.932)	363311	2000.00	1888.41(A)
* 32 1,4-Difluorobenzene	114	11.558	11.558	(1.000)	978542	50.0000	
128 Methyl Methacrylate	41	12.500	12.500	(1.081)	738021	200.000	165.001
129 Ethyl Methacrylate	69	14.447	14.447	(1.250)	1194855	200.000	191.949
* 50 Chlorobenzene-d5	117	16.215	16.215	(1.000)	781919	50.0000	
130 T-1,4-Dichloro-2-Butene	89	18.263	18.263	(0.922)	195348	200.000	224.399(A)
* 72 1,4 Dichlorobenzene-d4	152	19.816	19.816	(1.000)	434030	50.0000	

SM 10/30/00

QC Flag Legend

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

Data File: /CHEM/hp7.i/H71030.b/V7446.D

Date : 30-OCT-2000 22:48

Client ID:

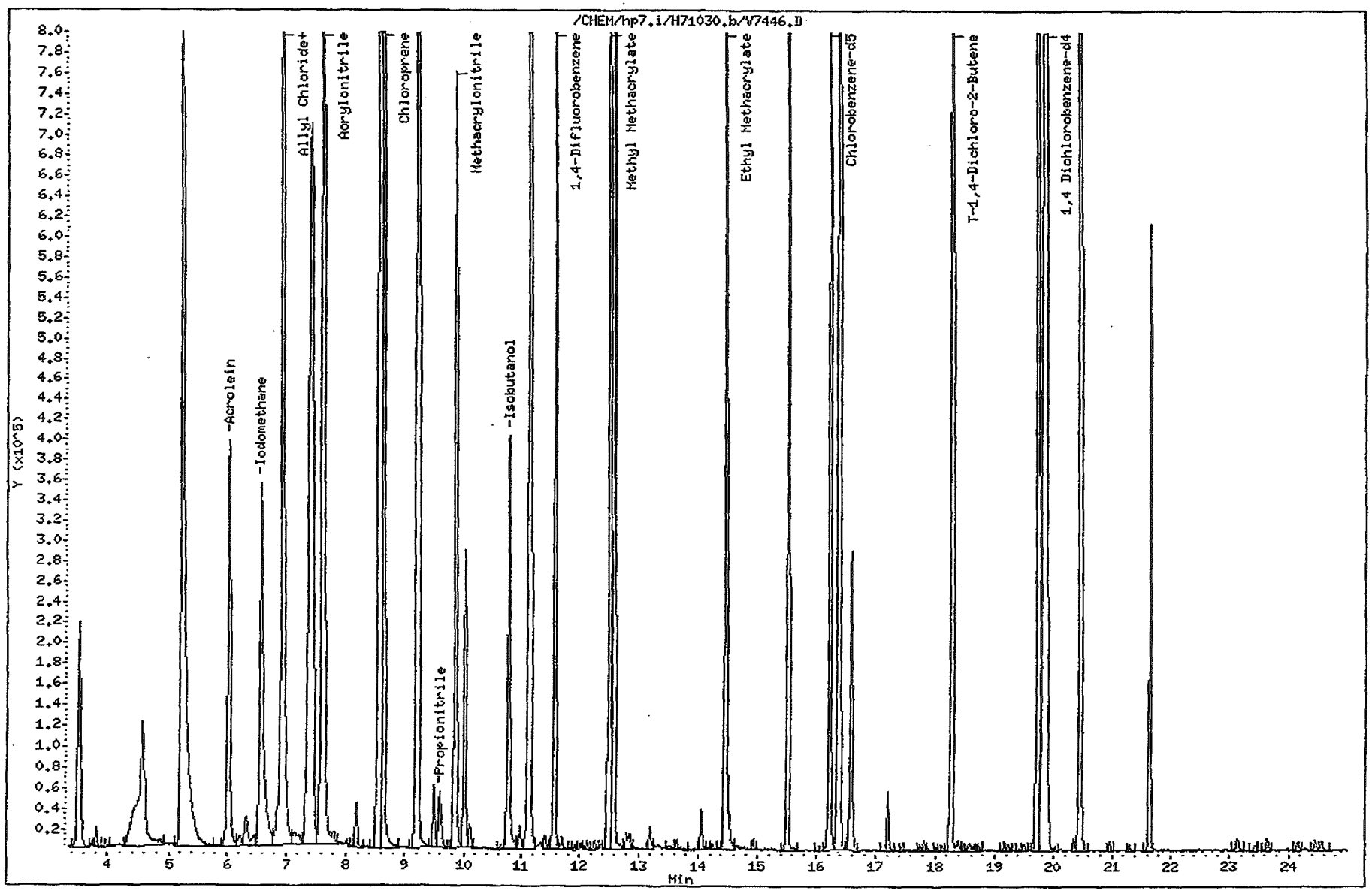
Sample Info: VSTD200 ap9/Oxy:Barmbys:1;;6;;1

Column phase:

Instrument: hp7.i

Operator: Barmbys

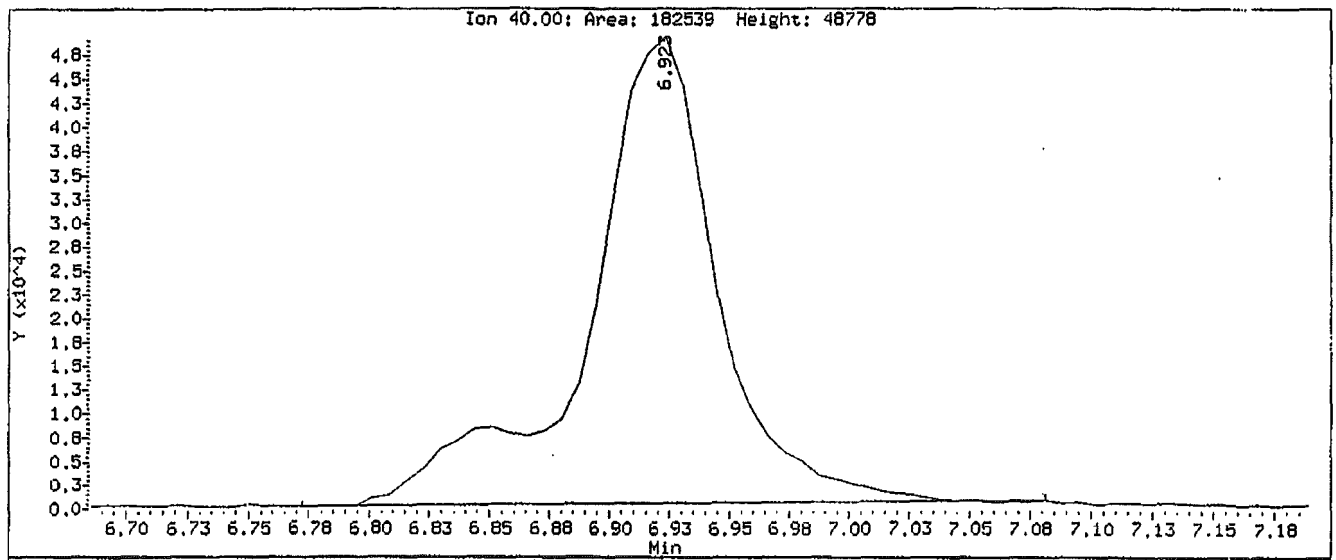
Column diameter: 0.53

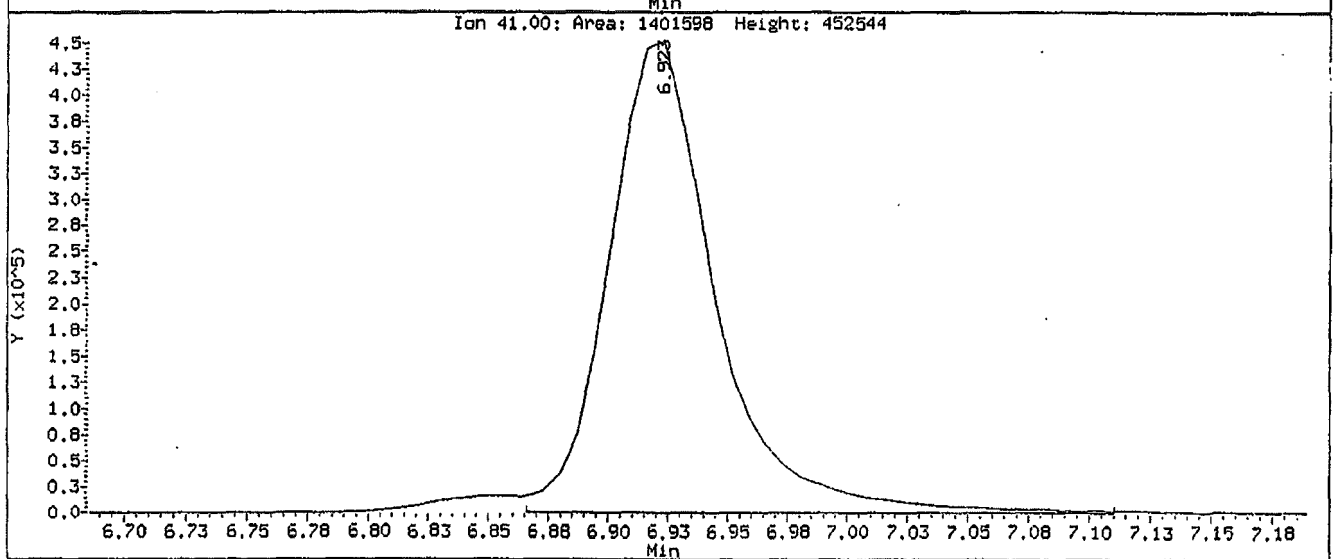


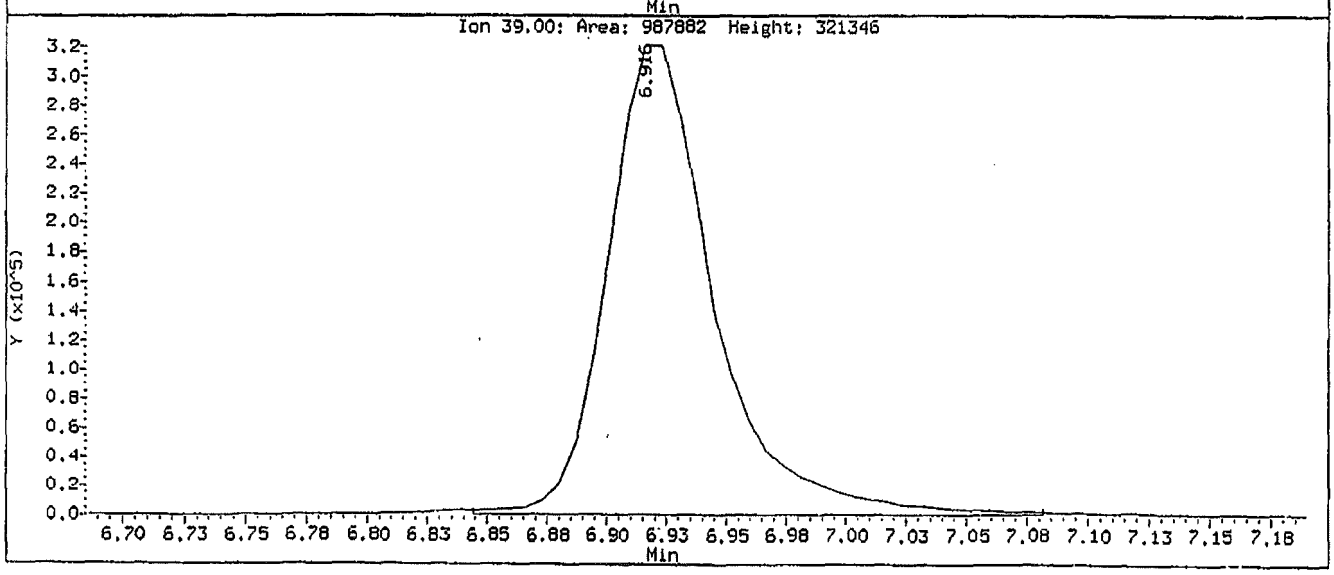
002021

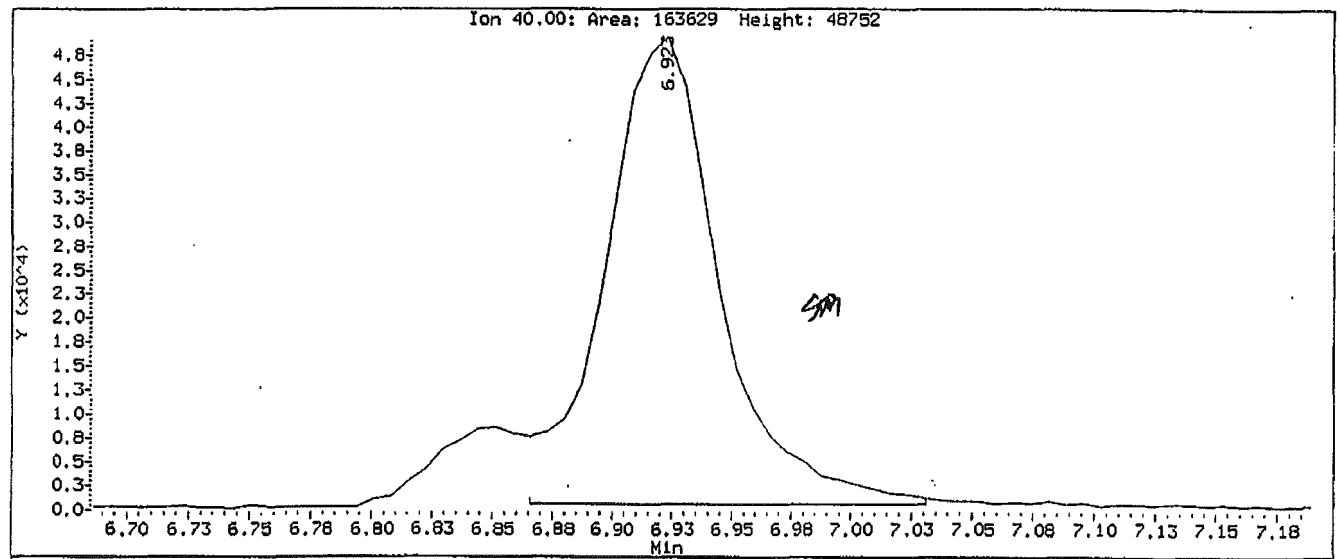
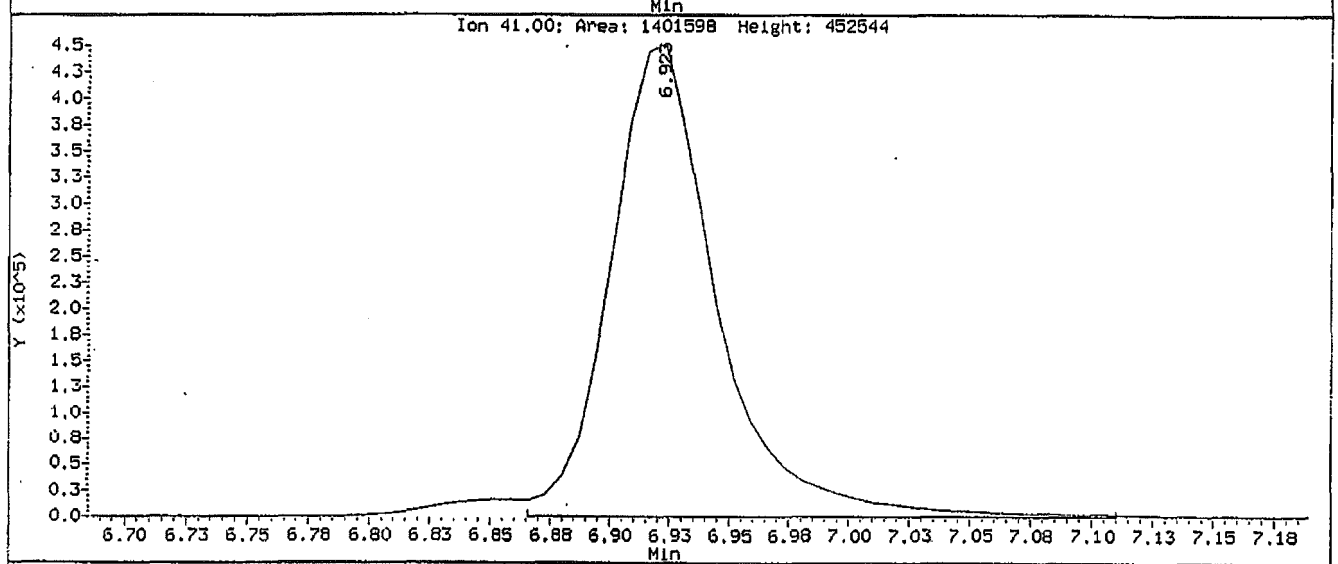
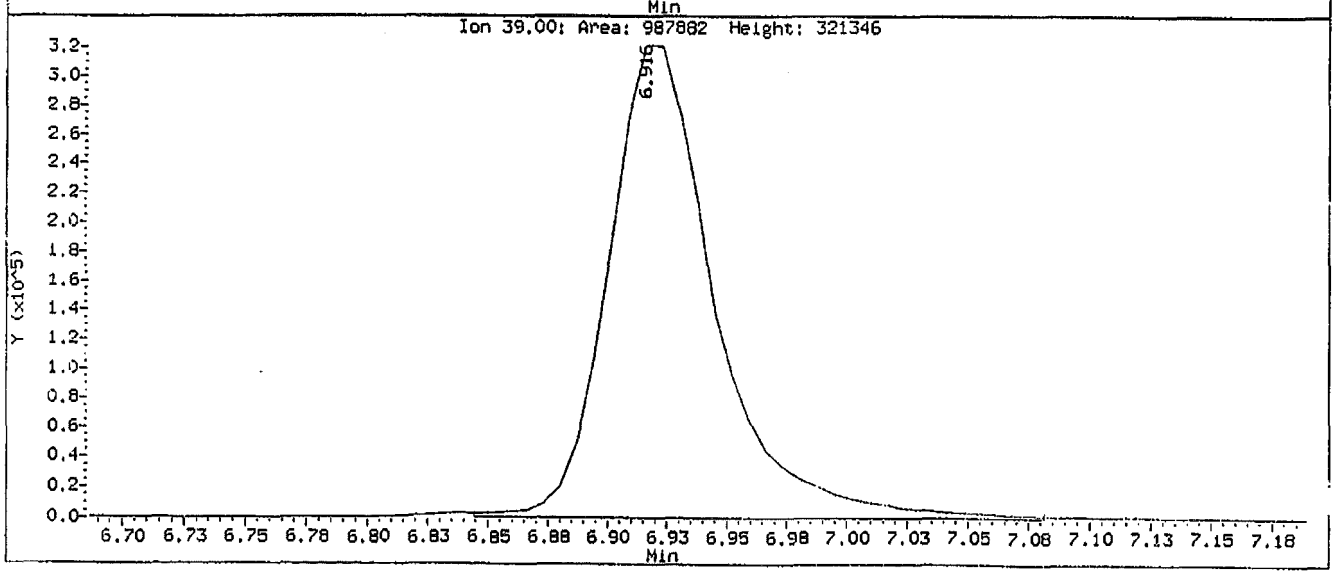
Data File: /chem/hp7.i/H71030.b/V7446.D
Injection Date: 30-OCT-2000 22:48
Instrument: hp7.i
Client Sample ID:

Compound: Acetonitrile
CAS Number: 75-05-8







Data File: /chem/hp7.i/H71030.b/V7446.D
Injection Date: 30-OCT-2000 22:48
Instrument: hp7.i
Client Sample ID:

Compound: Acetonitrile
CAS Number: 75-05-8