Extended Raw Data

Level III

Project # E0304125

Analysis: 8260B

000254

8260B INITIAL CALIBRATION DATA

DATE ANALYZED: 100400

INSTRUMENT ID: MSD

SAMPLES: EOJ040125

BOE-C6-0154920

STL Los Ange'

FJK 2/18/00

GC/MS VOA Run Log

tch ID: _____

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☑ 5030B ☐ 5035

nst ID: MSD | EM Set: 1706 | Tune File: BFB | Seq File: 1004AD

nit. Cal ID: 8260BDA 9-6-00 | Date: 10-7-00

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
~~7:34~~ 7:15	GFB	DT1561	50ng BFB	—	—	1ul	—	—	✓			1198-1
8:46		DS2512	50ppb 8260B STD	1	S	5g	1	132	✓			1239-1 vinyl chl 1000
9:29		13	50ppb 8260B	1				137	✓			
10:12		14	50ppb 8260B	1				77	✓			
10:52		DT1562	50ng BFB	—	—	1ul	—	—	✓			STD 1242-2, IS1240-1, SUR1252-
11:09		DS2515	50ppb 8260B	1	S	5g	1	148	✓			
12:26		16	5ppb 8260B	2				141	✓			~~1236-1~~
12:58		17	10ppb 8260B	3				151	✓			Sur 1250-1
13:30		18	100ppb 8260B	4				149	✓			Sur 1236-1
14:02		19	400ppb 8260B	5				149	✓			
14:34		DT2772	MB	6				152	✓			Inst. Blank
15:06		13	1004AD1-LCS-B	7				151	✓			Second Source QC1255-2

000256

000088

Version 01/04/99

G:\FORMS\Run Log\MSV Runlog.DOC

BOE-C6-0154921

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 04-OCT-2000 11:03
End Cal Date : 04-OCT-2000 14:02
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2021\D\chem\md.i\1004AD.B\8260BDA.M
Cal Date : 04-Oct-2000 14:38 ramirezr
Curve Type : Average

Calibration File Names:
Level 1: \\SANP2021\D\chem\md.i\1004AD.B\DS2516.D
Level 2: \\SANP2021\D\chem\md.i\1004AD.B\DS2517.D
Level 3: \\SANP2021\D\chem\md.i\1004AD.B\DS2515.D
Level 4: \\SANP2021\D\chem\md.i\1004AD.B\DS2518.D
Level 5: \\SANP2021\D\chem\md.i\1004AD.B\DS2519.D

Compound	5.000 Level 1	20.000 Level 2	50.000 Level 3	100.000 Level 4	400.000 Level 5	RRF	% RSD	
1 Dichlorodifluoromethane	0.52156	0.42671	0.51813	0.39660	0.36918	0.44644	15.689	
2 Vinyl chloride (*)	0.26596	0.20081	0.23917	0.19389	0.18054	0.21607	16.379	
3 Chloromethane (**)	0.24177	0.17789	0.22237	0.16068	0.14790	0.19012	21.213	
4 Bromomethane	0.29823	0.22046	0.23906	0.18879	0.15274	0.21985	24.893	
5 Chloroethane	0.19234	0.14278	0.16331	0.12434	0.07543	0.13964	31.429	<-
6 Trichlorofluoromethane	0.91581	0.77583	0.78085	0.70708	0.40190	0.71629	26.713	
7 Acrolein	0.00989	0.01320	0.01340	0.01536	0.01508	0.01339	16.283	
8 1,1-Dichloroethene(*)	0.35401	0.28354	0.26903	0.26659	0.23498	0.28163	15.683	
9 1,1,2-Trichlorotrifluoroethan	0.60256	0.49150	0.38480	0.46963	0.40072	0.46984	18.461	
10 Acetone	0.05973	0.06028	0.05688	0.05659	0.04330	0.05535	12.536	
11 Iodomethane	0.62688	0.51811	0.59747	0.52897	0.44102	0.54249	13.426	
12 Carbon disulfide	0.83116	0.61797	0.55402	0.60369	0.55183	0.63173	18.250	
13 Methylene chloride	0.33325	0.28164	0.28337	0.26975	0.26255	0.28611	9.687	
14 t-Butanol	0.00856	0.00691	0.00665	0.00678	0.00741	0.00726	10.783	
15 trans-1,2-Dichloroethene	0.41130	0.32114	0.31056	0.30806	0.28233	0.32668	15.125	
16 Acrylonitrile	0.03694	0.04402	0.04748	0.04627	0.03809	0.04256	11.247	
17 Methyl-tert-butyl ether[MTBE]	0.82771	0.77397	0.73522	0.75689	0.66728	0.75221	7.779	
18 1,1-Dichloroethane (**)	0.69577	0.55514	0.54517	0.52108	0.49747	0.56293	13.777	
19 Vinyl acetate	0.83850	0.73189	0.72657	0.70523	0.62714	0.72587	10.423	
20 Isopropyl ether	1.24720	0.96265	0.94179	0.89632	0.81976	0.97354	16.692	
21 2,2-Dichloropropane	0.77800	0.59343	0.58498	0.57007	0.52865	0.61103	15.811	
22 Tert-butyl ethyl ether	1.06118	0.92590	0.92333	0.90385	0.84078	0.93101	8.644	
23 cis-1,2-Dichloroethene	0.38016	0.33407	0.32217	0.32165	0.29984	0.33158	8.998	
24 2-Butanone	0.10107	0.10100	0.09720	0.09926	0.08218	0.09614	8.283	
25 Bromochloromethane	0.21552	0.23212	0.22134	0.22068	0.20447	0.21883	4.589	
26 Chloroform (*)	0.87637	0.70198	0.73485	0.71264	0.63581	0.73233	12.094	

OFB 10/5/00

10-5-00

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 04-OCT-2000 11:03
End Cal Date : 04-OCT-2000 14:02
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2021\D\chem\md.i\1004AD.B\8260BDA.M
Cal Date : 04-Oct-2000 14:38 ramirezr
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	50.000 Level 3	100.000 Level 4	400.000 Level 5	___ RRF	% RSD
	27 Tetrahydrofuran	0.04860	0.06066	0.06738	0.06154	0.05228	0.05809	13.020
M	28 1,2-Dichloroethene (total)	0.39573	0.32761	0.31636	0.31486	0.29108	0.32913	12.012
	30 1,1,1-Trichloroethane	0.90130	0.74890	0.74778	0.74527	0.66956	0.76256	11.089
	31 Carbon Tetrachloride	0.85843	0.73947	0.69489	0.71501	0.63906	0.72937	11.119
	32 1,1-Dichloropropene	0.69280	0.55655	0.50884	0.50565	0.45241	0.54325	16.818
	34 1,2-Dichloroethane-d4 2nd	0.11153	0.09967	0.09708	0.09388	0.08208	0.09685	10.958
	35 Benzene	1.04490	0.85022	0.81928	0.80541	0.72278	0.84852	14.080
	36 1,2-Dichloroethane	0.57980	0.54529	0.53018	0.53396	0.48238	0.53432	6.553
	37 Tert-amyl methyl ether	0.96146	0.86419	0.89968	0.88253	0.80846	0.88326	6.289
	39 Trichloroethene	0.54735	0.46741	0.44434	0.45301	0.42447	0.46731	10.136
	40 1,2-Dichloropropane(*)	0.41021	0.34790	0.33456	0.32832	0.30872	0.34594	11.157
	41 Dibromomethane	0.31861	0.33395	0.32837	0.33230	0.29798	0.32224	4.596
	42 Bromodichloromethane	0.76201	0.71064	0.70898	0.72206	0.67713	0.71616	4.271
	43 1-Bromo-2-chloroethane	0.75650	0.80496	0.81331	0.81361	0.75417	0.78851	3.867
	44 2-Chloroethylvinyl ether	0.02549	0.04480	0.04766	0.05117	0.05051	0.04393	24.162
	45 cis-1,3-Dichloropropene	0.60057	0.53307	0.51481	0.54087	0.51230	0.54033	6.621
	46 4-Methyl-2-pentanone	0.24582	0.27292	0.26642	0.28897	0.22675	0.26017	9.323
	48 Toluene (*)	1.51088	1.22663	1.14987	1.15446	1.06889	1.22215	13.975
	49 trans-1,3-Dichloropropene	0.55286	0.55963	0.54802	0.57064	0.55881	0.55799	1.523
	50 1,1,2-Trichloroethane	0.43834	0.41101	0.39934	0.39910	0.36795	0.40315	6.288
	51 Tetrachloroethene	0.68758	0.56461	0.50803	0.52833	0.48547	0.55481	14.369
	52 1,3-Dichloropropane	0.71211	0.64926	0.61826	0.63856	0.55501	0.63464	8.927
	53 2-Hexanone	0.20203	0.22835	0.22991	0.24543	0.19739	0.22062	9.198
	54 Dibromochloromethane	0.72566	0.74573	0.75857	0.75472	0.70446	0.73783	3.061
	55 1,2-Dibromoethane	0.60530	0.63188	0.60096	0.63532	0.57871	0.61043	3.843
	57 Chlorobenzene (**)	1.20132	0.98673	0.90985	0.94631	0.86843	0.98253	13.221
	58 1,1,1,2-Tetrachloroethane	0.66584	0.59618	0.58154	0.58899	0.53753	0.59402	7.776
	59 Ethylbenzene (*)	0.57249	0.45024	0.42725	0.44555	0.39674	0.45846	14.641
	60 m,p-Xylenes	0.72775	0.59247	0.53677	0.54109	0.48172	0.57596	16.228
	61 o-Xylene	0.66358	0.56783	0.52964	0.53221	0.48893	0.55644	11.878
	62 Styrene	1.08881	0.91811	0.88684	0.90567	0.82167	0.92422	10.736
M	63 Xylenes (total)	0.70636	0.58426	0.53439	0.53813	0.48412	0.56945	14.811
	64 Bromoform (**)	0.50429	0.60460	0.61022	0.65200	0.60475	0.59517	9.162

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 04-OCT-2000 11:03
End Cal Date : 04-OCT-2000 14:02
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2021\D\chem\md.i\1004AD.B\8260BDA.M
Cal Date : 04-Oct-2000 14:38 ramirezr
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	50.000 Level 3	100.000 Level 4	400.000 Level 5	RRF	% RSD
65 Isopropylbenzene	2.16093	1.77853	1.63308	1.69704	1.50228	1.75437	14.177
66 4-Bromofluorobenzene-2nd	1.38633	0.96008	0.91481	0.88148	0.83529	0.99560	22.413
68 Bromobenzene	0.97322	0.81419	0.79516	0.79465	0.77583	0.83061	9.736
69 1,1,2,2-Tetrachloroethane(**)	0.86119	0.87782	0.86053	0.88107	0.79556	0.85523	4.051
70 1,2,3-Trichloropropane	0.24961	0.28618	0.29412	0.29992	0.27068	0.28010	7.240
71 n-Propylbenzene	3.24646	2.64103	2.34579	2.48211	2.22479	2.58803	15.434
72 2-Chlorotoluene	0.80795	0.61548	0.57002	0.57617	0.55895	0.62571	16.634
73 4-Chlorotoluene	0.82249	0.63315	0.61419	0.60637	0.59101	0.65344	14.647
74 1,3,5-Trimethylbenzene	2.66372	2.06396	1.92638	1.95765	1.79762	2.08187	16.276
75 tert-Butylbenzene	2.78101	2.04294	1.99675	2.03108	1.90002	2.15036	16.601
76 1,2,4-Trimethylbenzene	2.72943	2.08667	1.94744	1.98397	1.85056	2.11961	16.570
77 sec-Butylbenzene	3.70928	2.64015	2.56433	2.69087	2.49613	2.82015	17.819
78 1,3-Dichlorobenzene	1.79289	1.36433	1.29870	1.28193	1.22768	1.39311	16.420
80 1,4-Dichlorobenzene	2.01764	1.51868	1.40361	1.38149	1.27809	1.51990	19.151
81 p-Isopropyltoluene	3.10069	2.23918	2.14397	2.19282	1.95813	2.32696	19.145
82 1,2-Dichlorobenzene	1.65290	1.33128	1.24129	1.24913	1.18707	1.33233	13.995
83 n-Butylbenzene	2.93693	2.04933	2.01283	2.13790	1.97285	2.22197	18.196
84 1,2-Dibromo-3-chloropropane	0.21950	0.28554	0.29548	0.32973	0.31911	0.28987	14.885
85 1,2,4-Trichlorobenzene	1.55777	1.16575	1.12259	1.18084	1.12556	1.23050	15.008
86 Hexachlorobutadiene	1.35428	0.59857	0.83650	0.99188	0.86515	0.92928	29.794
87 Napthalene	2.22236	1.85456	1.77051	1.87490	1.58582	1.86163	12.446
88 1,2,3-Trichlorobenzene	1.44052	1.11305	1.07399	1.08609	1.02754	1.14824	14.482
$ 29 Dibromofluoromethane	0.90589	0.68813	0.69096	0.67979	0.59121	0.71120	16.372
$ 33 1,2-Dichloroethane-d4	0.58784	0.49004	0.45006	0.46069	0.41159	0.48005	13.850
$ 47 Toluene-d8	1.62605	1.15229	1.06939	1.03497	0.90472	1.15748	23.905
$ 67 4-Bromofluorobenzene	1.85435	1.28372	1.23251	1.18164	1.09181	1.32880	22.743

INITIAL CALIBRATION REPORT

Instrument ID: md.i
Lab File ID: DS2519.D
Analysis Type: SOIL

Injection Date: 04-OCT-2000 14:02
Lab Sample ID: 400 PPB 8260B STD
Method File: \\SANP2021\D\chem\md.i\1004AD.B\8260BDA.

COMPOUND	%RSD
Dichlorodifluoromethane	15.7
Chloromethane (**)	21.2
Vinyl chloride (*)	16.4
Bromomethane	24.9
Chloroethane	31.4
Trichlorofluoromethane	26.7
t-Butanol	10.8
Acrolein	16.1
1,1-Dichloroethene(*)	15.7
1,1,2-Trichlorotrifluoroethan	18.5
Acetone	13.1
Iodomethane	13.3
Carbon disulfide	18.0
Methylene chloride	9.7
trans-1,2-Dichloroethene	15.1
Acrylonitrile	11.2
Methyl-tert-butyl ether[MTBE]	7.8
1,1-Dichloroethane (**)	13.8
Vinyl acetate	10.5
Isopropyl ether	16.6
Tert-butyl ethyl ether	8.6
2,2-Dichloropropane	15.8
cis-1,2-Dichloroethene	9.0
2-Butanone	8.7
Bromochloromethane	4.6
Tetrahydrofuran	12.2
Chloroform (*)	12.1
1,2-Dichloroethene (total)	12.0
1,1,1-Trichloroethane	11.1
Dibromofluoromethane	16.3
Carbon Tetrachloride	11.1
1,1-Dichloropropene	16.8
1,2-Dichloroethane-d4 2nd	7.7
1,2-Dichloroethane-d4	13.8
Benzene	14.1
1,2-Dichloroethane	6.5
Tert-amyl methyl ether	6.3
Trichloroethene	10.1
1,2-Dichloropropane(*)	11.2

Data File: \\SANP2021\D\chem\md.i\1004AD.B/DS2519.D
Report Date: 10/04/2000

INITIAL CALIBRATION REPORT

Instrument ID: md.i
Lab File ID: DS2519.D
Analysis Type: SOIL

Injection Date: 04-OCT-2000 14:02
Lab Sample ID: 400 PPB 8260B STD
Method File: \\SANP2021\D\chem\md.i\1004AD.B\8

COMPOUND	%RSD
Dibromomethane	4.6
Bromodichloromethane	4.3
1-Bromo-2-chloroethane	3.9
2-Chloroethylvinyl ether	24.2
cis-1,3-Dichloropropene	6.6
4-Methyl-2-pentanone	9.3
Toluene-d8	23.9
Toluene (*)	14.0
trans-1,3-Dichloropropene	1.5
1,1,2-Trichloroethane	6.3
Tetrachloroethene	14.4
1,3-Dichloropropane	8.9
2-Hexanone	9.2
Dibromochloromethane	3.0
1,2-Dibromoethane	3.8
Chlorobenzene (**)	13.2
1,1,1,2-Tetrachloroethane	7.8
Ethylbenzene (*)	14.6
m,p-Xylenes	16.2
o-Xylene	11.9
Styrene	10.7
Xylenes (total)	14.8
Bromoform (**)	9.2
Isopropylbenzene	14.2
4-Bromofluorobenzene	22.7
4-Bromofluorobenzene-2nd	22.4
Bromobenzene	9.7
1,1,2,2-Tetrachloroethane(**)	4.1
1,2,3-Trichloropropane	7.2
n-Propylbenzene	15.4
2-Chlorotoluene	16.6
4-Chlorotoluene	14.6
1,3,5-Trimethylbenzene	16.3
tert-Butylbenzene	16.6
1,2,4-Trimethylbenzene	16.6
sec-Butylbenzene	17.8
1,3-Dichlorobenzene	16.4
p-Isopropyltoluene	19.1
1,4-Dichlorobenzene	19.2

Data File: \\SANP2021\D\chem\md.i\1004AD.B/DS2519.D
Report Date: 10/04/2000

INITIAL CALIBRATION REPORT

Instrument ID: md.i
Lab File ID: DS2519.D
Analysis Type: SOIL

Injection Date: 04-OCT-2000 14:02
Lab Sample ID: 400 PPB 8260B STD
Method File: \\SANP2021\D\chem\md.i\1004AD.B\8

COMPOUND	%RSD
1,2-Dichlorobenzene	14.0
n-Butylbenzene	18.2
1,2-Dibromo-3-chloropropane	14.9
1,2,4-Trichlorobenzene	15.0
Hexachlorobutadiene	29.8
Napthalene	12.4
1,2,3-Trichlorobenzene	14.5

GFB 10/5/00

The average of all %RSD's in the initial calibration is 13.4

10-5-00

STL Los Angeles

Data file : \\SANP2021\D\CHEM\MD.I\1004AD.B\DT1562.D
Lab Smp Id:
Inj Date : 04-OCT-2000 10:52
Operator : GFB
Inst ID: md.i
Smp Info : 50 ng BFB,bfb,,,,,,bfb.m
Misc Info : 1uL;1198-1,,,,3,all.sub
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1004AD.B\BFB.M
Meth Date : 11-Jul-2000 09:15
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: 4.00
Sample Matrix: WATER
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * Vf * VI

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

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
1.7935	1.8000	(0.000)	95	62048			0.00- 100.00	100.00
1.7935	1.8000	(0.000)	50	11463			15.00- 40.00	18.47
1.7935	1.8000	(0.000)	75	31461			30.00- 60.00	50.70
1.7935	1.8000	(0.000)	96	4101			5.00- 9.00	6.61
1.7935	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.7935	1.8000	(0.000)	174	47797			50.00- 0.00	77.03
1.7935	1.8000	(0.000)	175	3672			5.00- 9.00	7.68
1.7935	1.8000	(0.000)	176	48202			95.00- 101.00	100.85
1.7935	1.8000	(0.000)	177	3549			5.00- 9.00	7.36

GFB 10/5/00

10-5-00

Data File: \\SANP2021\D\CHEM\MD.I\1004AD.B\DT1562.D

Date : 04-OCT-2000 10:52

Client ID:

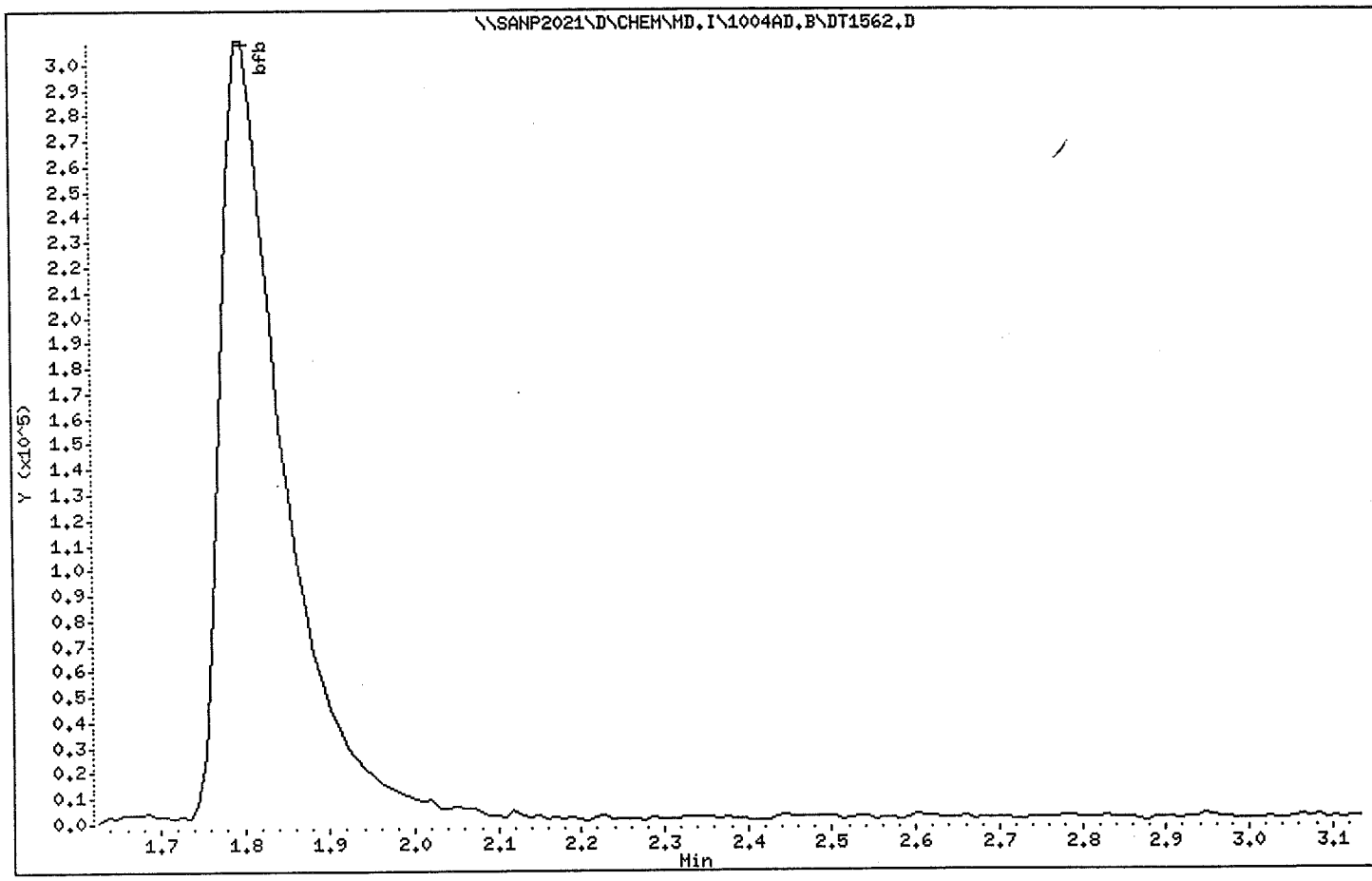
Instrument: md.i

Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2021\D\CHEM\MD.I\1004AD.B\DT1562.D

Date : 04-OCT-2000 10:52

Client ID:

Instrument: md.i

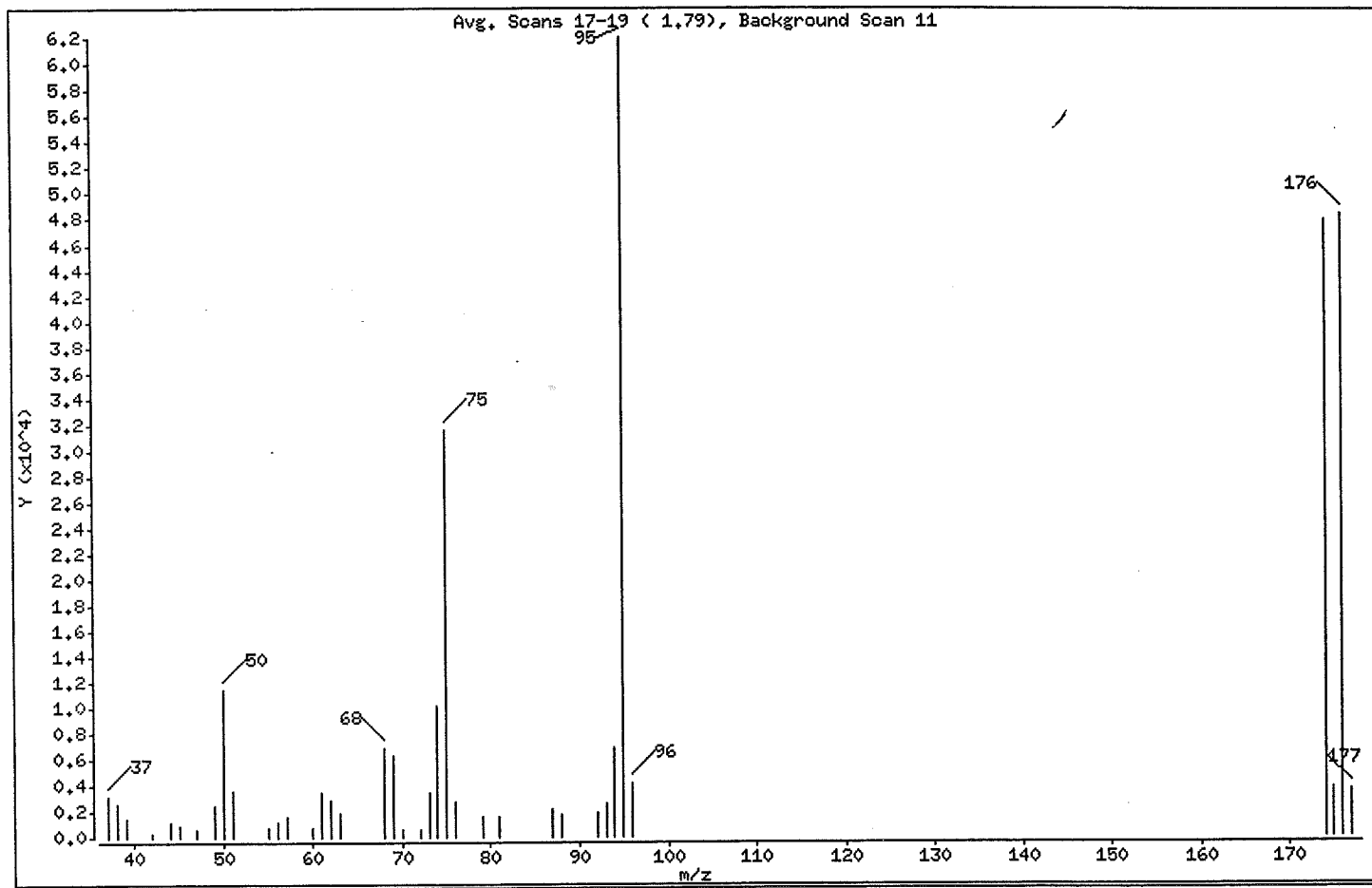
Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.47
75	30.00 - 60.00% of mass 95	50.70
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	77.03
175	5.00 - 9.00% of mass 174	5.92 (7.68)
176	95.00 - 101.00% of mass 174	77.69 (100.85)
177	5.00 - 9.00% of mass 176	5.72 (7.36)

Data File: \\SANP2021\D\CHEM\MD.I\1004AD.B\DT1562.D

Date : 04-OCT-2000 10:52

Client ID:

Instrument: md.i

Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Data File: DT1562.D
Spectrum: Avg. Scans 17-19 (1.79), Background Scan 11
Location of Maximum: 95.00
Number of points: 38

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	3145	55.00	666	72.00	521	93.00	2579
38.00	2584	56.00	1182	73.00	3360	94.00	6853
39.00	1411	57.00	1567	74.00	10081	95.00	62048
42.00	287	60.00	715	75.00	31456	96.00	4101
44.00	1196	61.00	3402	76.00	2747	174.00	47792
45.00	899	62.00	2830	79.00	1527	175.00	3672
47.00	574	63.00	1878	81.00	1605	176.00	48200
49.00	2454	68.00	6835	87.00	2208	177.00	3549
50.00	11463	69.00	6333	88.00	1757		
51.00	3576	70.00	560	92.00	1903		

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2515.D
Lab Smp Id: 50 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\chem\md.i\1004AD.B\8260BDA.m
Misc Info: 1239-1,,5,,1,all.SUB

Calibration Date: 04-OCT-2000
Calibration Time: 15:06

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1517570	758785	3035140	1480718	-2.43
56 Chlorobenzene-d5	1323085	661543	2646170	1259551	-4.80
79 1,4-Dichlorobenze	951881	475941	1903762	906122	-4.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.11	6.61	7.61	7.10	-0.13
56 Chlorobenzene-d5	12.63	12.13	13.13	12.63	0.00
79 1,4-Dichlorobenze	17.28	16.78	17.78	17.27	-0.06

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

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2516.D
Lab Smp Id: 5 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\CHEM\MD.I\1004AD.B\8260BDA.m
Misc Info: 1242-2;1232-1,,5,,1,all.SUB

Calibration Date: 04-OCT-2000
Calibration Time: 11:03

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1480718	740359	2961436	1417011	-4.30
56 Chlorobenzene-d5	1259551	629776	2519102	1175348	-6.69
79 1,4-Dichlorobenze	906122	453061	1812244	811309	-10.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.11	0.15
56 Chlorobenzene-d5	12.63	12.13	13.13	12.63	0.00
79 1,4-Dichlorobenze	17.27	16.77	17.77	17.28	0.06

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

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2517.D
Lab Smp Id: 20 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\CHEM\MD.I\1004AD.B\8260BDA.m
Misc Info: 1242-2;1232-1,,5,,1,all.SUB

Calibration Date: 04-OCT-2000
Calibration Time: 11:03

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1480718	740359	2961436	1516137	2.39
56 Chlorobenzene-d5	1259551	629776	2519102	1294709	2.79
79 1,4-Dichlorobenze	906122	453061	1812244	958076	5.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.11	0.13
56 Chlorobenzene-d5	12.63	12.13	13.13	12.63	-0.01
79 1,4-Dichlorobenze	17.27	16.77	17.77	17.27	-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 Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2518.D
Lab Smp Id: 100 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\CHEM\MD.I\1004AD.B\8260BDA.m
Misc Info: 1242-2;1236-1,,5,,1,all.SUB

Calibration Date: 04-OCT-2000
Calibration Time: 11:03

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1480718	740359	2961436	1491260	0.71
56 Chlorobenzene-d5	1259551	629776	2519102	1294737	2.79
79 1,4-Dichlorobenze	906122	453061	1812244	951421	5.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.10	0.00
56 Chlorobenzene-d5	12.63	12.13	13.13	12.62	-0.08
79 1,4-Dichlorobenze	17.27	16.77	17.77	17.27	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 Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2519.D
Lab Smp Id: 400 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\CHEM\MD.I\1004AD.B\8260BDA.m
Misc Info: 1242-2;1236-1,,5,,1,all.SUB

Calibration Date: 04-OCT-2000
Calibration Time: 11:03

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1480718	740359	2961436	1499019	1.24
56 Chlorobenzene-d5	1259551	629776	2519102	1275234	1.25
79 1,4-Dichlorobenze	906122	453061	1812244	870677	-3.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.12	0.22
56 Chlorobenzene-d5	12.63	12.13	13.13	12.63	0.04
79 1,4-Dichlorobenze	17.27	16.77	17.77	17.29	0.15

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 Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1004AD.B\DS2515.D
Lab Smp Id: 50 PPB 8260B STD
Inj Date : 04-OCT-2000 11:03
Operator : GFB Inst ID: md.i
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1239-1,,5,,1,all.SUB
Comment :
Method : \\SANP2021\D\chem\md.i\1004AD.B\8260BDA.m
Meth Date : 04-Oct-2000 15:31 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 11:03 Cal File: DS2515.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.464	1.464	(0.206)	767205	50.0000	50.00
2 Vinyl chloride (*)	62	1.701	1.701	(0.240)	354141	50.0000	50.00
3 Chloromethane (**)	50	1.632	1.642	(0.230)	329265	50.0000	50.00
4 Bromomethane	94	1.977	1.976	(0.278)	353983	50.0000	50.00
5 Chloroethane	64	2.065	2.065	(0.291)	241819	50.0000	50.00
6 Trichlorofluoromethane	101	2.302	2.302	(0.324)	1156218	50.0000	50.00
7 Acrolein	56	2.706	2.705	(0.381)	198428	500.000	500.0(A)
8 1,1-Dichloroethene(*)	96	2.795	2.784	(0.394)	398355	50.0000	50.00
9 1,1,2-Trichlorotrifluoroethan	151	2.814	2.784	(0.396)	569780	50.0000	50.00
10 Acetone	43	2.873	2.883	(0.405)	421132	250.000	250.0
11 Iodomethane	142	2.942	2.952	(0.414)	1769379	100.000	100.0
12 Carbon disulfide	76	3.011	3.021	(0.424)	820343	50.0000	50.00
13 Methylene chloride	84	3.326	3.336	(0.469)	419595	50.0000	50.00
14 t-Butanol	59	2.578	2.568	(0.363)	246194	1250.00	1250

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	15 trans-1,2-Dichloroethene	96	3.671	3.681	(0.517)	459847	50.0000	50.00
	16 Acrylonitrile	53	3.662	3.671	(0.516)	703011	500.000	500.0(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.711	3.711	(0.523)	1088650	50.0000	50.00
	18 1,1-Dichloroethane (**)	63	4.282	4.262	(0.603)	807241	50.0000	50.00
	19 Vinyl acetate	43	4.400	4.400	(0.620)	2151689	100.000	100.0
	20 Isopropyl ether	45	4.440	4.449	(0.625)	1394520	50.0000	50.00
	21 2,2-Dichloropropane	77	5.159	5.159	(0.727)	866195	50.0000	50.00
	22 Tert-butyl ethyl ether	59	5.011	5.031	(0.706)	1367197	50.0000	50.00
	23 cis-1,2-Dichloroethene	96	5.179	5.188	(0.729)	477036	50.0000	50.00
	24 2-Butanone	43	5.277	5.287	(0.743)	719605	250.000	250.0
	25 Bromochloromethane	128	5.563	5.563	(0.784)	327749	50.0000	50.00
	26 Chloroform (*)	83	5.731	5.730	(0.807)	1088102	50.0000	50.00
	27 Tetrahydrofuran	42	5.671	5.671	(0.799)	99775	50.0000	50.00
M	28 1,2-Dichloroethene (total)	100				936883	100.000	100.0
$	29 Dibromofluoromethane	111	5.997	5.996	(0.845)	1023120	50.0000	50.00
	30 1,1,1-Trichloroethane	97	5.977	5.976	(0.842)	1107247	50.0000	50.00
	31 Carbon Tetrachloride	117	6.253	6.252	(0.881)	1028936	50.0000	50.00
	32 1,1-Dichloropropene	75	6.263	6.262	(0.882)	753450	50.0000	50.00
$	33 1,2-Dichloroethane-d4	65	6.529	6.538	(0.920)	666407	50.0000	50.00
	34 1,2-Dichloroethane-d4 2nd	102	6.538	6.538	(0.921)	143755	50.0000	50.00
	35 Benzene	78	6.598	6.607	(0.929)	1213126	50.0000	50.00
	36 1,2-Dichloroethane	62	6.657	6.666	(0.938)	785052	50.0000	50.00
	37 Tert-amyl methyl ether	73	6.883	6.893	(0.969)	1332168	50.0000	50.00
*	38 Fluorobenzene	96	7.100	7.109	(1.000)	1480718	50.0000	
	39 Trichloroethene	130	7.750	7.750	(1.092)	657938	50.0000	50.00
	40 1,2-Dichloropropane(*)	63	8.125	8.124	(1.144)	495390	50.0000	50.00
	41 Dibromomethane	93	8.341	8.331	(1.175)	486222	50.0000	50.00
	42 Bromodichloromethane	83	8.657	8.656	(1.219)	1049801	50.0000	50.00
	43 1-Bromo-2-chloroethane	63	9.169	9.178	(1.291)	1204288	50.0000	50.00
	44 2-Chloroethylvinyl ether	106	9.267	9.267	(1.305)	141135	100.000	100.0
	45 cis-1,3-Dichloropropene	75	9.464	9.474	(1.333)	762286	50.0000	50.00
	46 4-Methyl-2-pentanone	43	9.819	9.829	(1.383)	1972475	250.000	250.0
$	47 Toluene-d8	98	9.928	9.927	(0.786)	1346953	50.0000	50.00
	48 Toluene (*)	91	10.036	10.045	(0.795)	1448324	50.0000	50.00
	49 trans-1,3-Dichloropropene	75	10.529	10.528	(0.834)	690258	50.0000	50.00
	50 1,1,2-Trichloroethane	97	10.844	10.834	(0.859)	502993	50.0000	50.00
	51 Tetrachloroethene	164	11.051	11.050	(0.875)	639884	50.0000	50.00
	52 1,3-Dichloropropane	76	11.129	11.129	(0.881)	778734	50.0000	50.00
	53 2-Hexanone	43	11.386	11.385	(0.902)	1447932	250.000	250.0
	54 Dibromochloromethane	129	11.543	11.553	(0.914)	955463	50.0000	50.00
	55 1,2-Dibromoethane	107	11.711	11.710	(0.927)	756935	50.0000	50.00
*	56 Chlorobenzene-d5	117	12.627	12.627	(1.000)	1259551	50.0000	
	57 Chlorobenzene (**)	112	12.676	12.676	(1.004)	1146006	50.0000	50.00
	58 1,1,1,2-Tetrachloroethane	131	12.863	12.863	(1.019)	732482	50.0000	50.00
	59 Ethylbenzene (*)	106	12.942	12.922	(1.025)	538149	50.0000	50.00
	60 m,p-Xylenes	106	13.179	13.178	(1.044)	1352178	100.000	100.0
	61 o-Xylene	106	13.928	13.937	(1.103)	667112	50.0000	50.00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.977	13.976	(1.107)	1117023	50.0000	50.00
M	63 Xylenes (total)	100				2019291	150.000	150.0
	64 Bromoform (**)	173	14.282	14.282	(1.131)	768600	50.0000	50.00
	65 Isopropylbenzene	105	14.686	14.696	(1.163)	2056943	50.0000	50.00
	66 4-Bromofluorobenzene-2nd	174	14.962	14.962	(0.866)	828930	50.0000	50.00
$	67 4-Bromofluorobenzene	95	14.962	14.962	(0.866)	1116801	50.0000	50.00
	68 Bromobenzene	156	15.198	15.208	(0.880)	720512	50.0000	50.00
	69 1,1,2,2-Tetrachloroethane(**)	83	15.346	15.346	(0.889)	779747	50.0000	50.00
	70 1,2,3-Trichloropropane	110	15.366	15.376	(0.890)	266511	50.0000	50.00
	71 n-Propylbenzene	91	15.514	15.513	(0.898)	2125571	50.0000	50.00
	72 2-Chlorotoluene	126	15.622	15.632	(0.905)	516505	50.0000	50.00
	73 4-Chlorotoluene	126	15.849	15.848	(0.918)	556532	50.0000	50.00
	74 1,3,5-Trimethylbenzene	105	15.908	15.898	(0.921)	1745535	50.0000	50.00
	75 tert-Butylbenzene	119	16.529	16.528	(0.957)	1809296	50.0000	50.00
	76 1,2,4-Trimethylbenzene	105	16.637	16.637	(0.963)	1764617	50.0000	50.00
	77 sec-Butylbenzene	105	16.972	16.981	(0.983)	2323599	50.0000	50.00
	78 1,3-Dichlorobenzene	146	17.139	17.129	(0.993)	1176780	50.0000	50.00
*	79 1,4-Dichlorobenzene-d4	152	17.267	17.277	(1.000)	906122	50.0000	
	80 1,4-Dichlorobenzene	146	17.317	17.316	(1.003)	1271838	50.0000	50.00
	81 p-Isopropyltoluene	119	17.307	17.316	(1.002)	1942698	50.0000	50.00
	82 1,2-Dichlorobenzene	146	18.046	18.055	(1.045)	1124761	50.0000	50.00
	83 n-Butylbenzene	91	18.134	18.144	(1.050)	1823873	50.0000	50.00
	84 1,2-Dibromo-3-chloropropane	157	19.681	19.691	(1.140)	267739	50.0000	50.00
	85 1,2,4-Trichlorobenzene	180	21.376	21.395	(1.238)	1017200	50.0000	50.00
	86 Hexachlorobutadiene	225	21.809	21.819	(1.263)	757970	50.0000	50.00
	87 Napthalene	128	21.849	21.858	(1.265)	1604295	50.0000	50.00
	88 1,2,3-Trichlorobenzene	180	22.371	22.371	(1.296)	973166	50.0000	50.00

QC Flag Legend

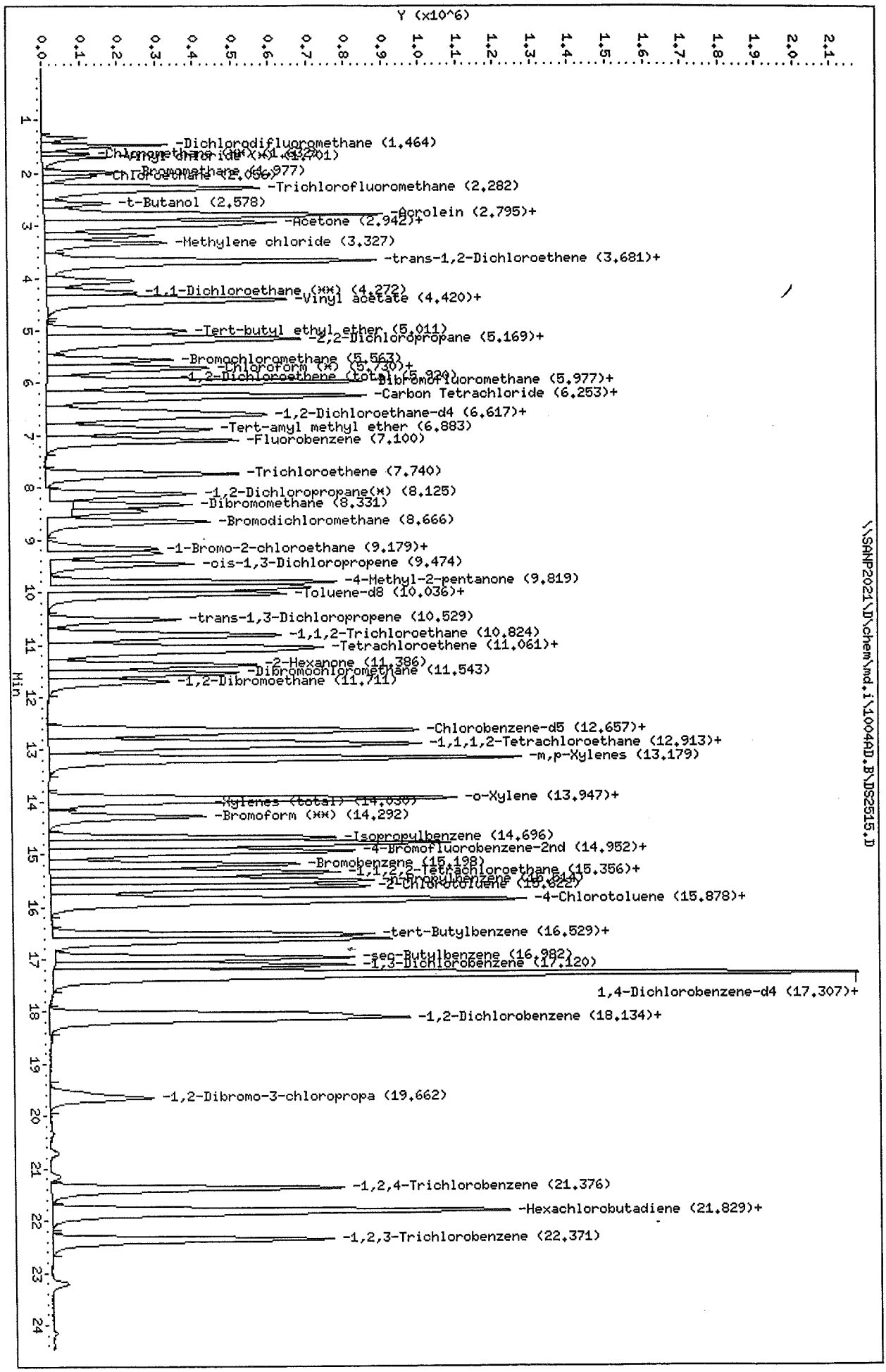
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\SANP2021\D\chem\md.i\1004AD.B\DS2515.D
Date : 04-OCT-2000 11:03
Client ID:
Sample Info: 50 PPB 8260B STD,,3,0,,,8260BDA.M

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1004AD.B\DS2516.D
Lab Smp Id: 5 PPB 8260B STD
Inj Date : 04-OCT-2000 12:26
Operator : GFB Inst ID: md.i
Smp Info : 5 PPB 8260B STD,,,1,0,,,8260BDA.M
Misc Info : 1242-2;1232-1,,5,,1,all.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1004AD.B\8260BDA.m
Meth Date : 04-Oct-2000 12:51 ramirezr Quant Type: ISTD
Cal Date : 06-SEP-2000 13:13 Cal File: DS2468.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.475	1.464	(0.207)	73905	5.00000	4.63(a)
2 Vinyl chloride (*)	62	1.702	1.701	(0.239)	37687	5.00000	4.38(aQ)
3 Chloromethane (**)	50	1.633	1.632	(0.230)	34259	5.00000	4.30(aQ)
4 Bromomethane	94	1.977	1.977	(0.278)	42259	5.00000	7.08
5 Chloroethane	64	2.066	2.065	(0.291)	27255	5.00000	5.52
6 Trichlorofluoromethane	101	2.303	2.302	(0.324)	129771	5.00000	6.96
7 Acrolein	56	2.697	2.706	(0.379)	14020	50.0000	59.18
8 1,1-Dichloroethene(*)	96	2.805	2.795	(0.394)	50163	5.00000	6.48
9 1,1,2-Trichlorotrifluoroethan	151	2.815	2.814	(0.396)	85384	5.00000	7.12
10 Acetone	43	2.874	2.873	(0.404)	42319	25.0000	18.81
11 Iodomethane	142	2.963	2.942	(0.417)	177659	10.0000	11.99
12 Carbon disulfide	76	3.012	3.011	(0.424)	117776	5.00000	5.60
13 Methylene chloride	84	3.347	3.326	(0.471)	47222	5.00000	5.74
14 t-Butanol	59	2.578	2.578	(0.363)	30340	125.000	129.8(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	15 trans-1,2-Dichloroethene	96	3.672	3.671	(0.516)	58282	5.00000	6.40
	16 Acrylonitrile	53	3.652	3.662	(0.514)	54894	50.0000	37.62
	17 Methyl-tert-butyl ether[MTBE]	73	3.731	3.711	(0.525)	117287	5.00000	5.30
	18 1,1-Dichloroethane (**)	63	4.273	4.282	(0.601)	98591	5.00000	5.74(Q)
	19 Vinyl acetate	43	4.421	4.400	(0.622)	230394	10.0000	9.18
	20 Isopropyl ether	45	4.450	4.440	(0.626)	172550	5.00000	5.10
	21 2,2-Dichloropropane	77	5.189	5.159	(0.730)	110244	5.00000	6.43(Q)
	22 Tert-butyl ethyl ether	59	5.032	5.011	(0.708)	150370	5.00000	5.09
	23 cis-1,2-Dichloroethene	96	5.199	5.179	(0.731)	53869	5.00000	5.75
	24 2-Butanone	43	5.288	5.277	(0.744)	73561	25.0000	17.97
	25 Bromochloromethane	128	5.564	5.563	(0.782)	30540	5.00000	5.28
	26 Chloroform (*)	83	5.731	5.731	(0.806)	124183	5.00000	6.10
	27 Tetrahydrofuran	42	5.682	5.671	(0.799)	6886	5.00000	2.49(aQ)
M	28 1,2-Dichloroethene (total)	100				112151	10.0000	12.15
$	29 Dibromofluoromethane	111	5.997	5.997	(0.843)	128365	5.00000	6.69
	30 1,1,1-Trichloroethane	97	5.977	5.977	(0.841)	127715	5.00000	6.28(Q)
	31 Carbon Tetrachloride	117	6.263	6.253	(0.881)	121640	5.00000	6.44
	32 1,1-Dichloropropene	75	6.263	6.263	(0.881)	98170	5.00000	5.84
$	33 1,2-Dichloroethane-d4	65	6.529	6.529	(0.918)	83298	5.00000	5.89
	34 1,2-Dichloroethane-d4 2nd	102	6.549	6.538	(0.921)	15804	5.00000	5.24
	35 Benzene	78	6.608	6.598	(0.929)	148064	5.00000	5.64
	36 1,2-Dichloroethane	62	6.657	6.657	(0.936)	82159	5.00000	5.29(Q)
	37 Tert-amyl methyl ether	73	6.894	6.883	(0.970)	136240	5.00000	4.92(aQ)
*	38 Fluorobenzene	96	7.110	7.100	(1.000)	1417011	50.0000	
	39 Trichloroethene	130	7.731	7.750	(1.087)	77560	5.00000	5.90
	40 1,2-Dichloropropane(*)	63	8.145	8.125	(1.145)	58127	5.00000	5.11
	41 Dibromomethane	93	8.332	8.341	(1.172)	45147	5.00000	4.73(a)
	42 Bromodichloromethane	83	8.677	8.657	(1.220)	107977	5.00000	5.26
	43 1-Bromo-2-chloroethane	63	9.160	9.169	(1.288)	107197	5.00000	4.58(aQ)
	44 2-Chloroethylvinyl ether	106	9.268	9.267	(1.303)	7223	10.0000	4.76(aQ)
	45 cis-1,3-Dichloropropene	75	9.475	9.464	(1.333)	85102	5.00000	4.96(a)
	46 4-Methyl-2-pentanone	43	9.820	9.819	(1.381)	174163	25.0000	15.43
$	47 Toluene-d8	98	9.928	9.928	(0.786)	191118	5.00000	7.34
	48 Toluene (*)	91	10.046	10.036	(0.796)	177581	5.00000	6.44
	49 trans-1,3-Dichloropropene	75	10.539	10.529	(0.835)	64980	5.00000	4.80(a)
	50 1,1,2-Trichloroethane	97	10.844	10.844	(0.859)	51520	5.00000	5.68
	51 Tetrachloroethene	164	11.051	11.051	(0.875)	80815	5.00000	7.22
	52 1,3-Dichloropropane	76	11.140	11.129	(0.882)	83698	5.00000	5.47
	53 2-Hexanone	43	11.406	11.386	(0.903)	118726	25.0000	16.52
	54 Dibromochloromethane	129	11.544	11.543	(0.914)	85290	5.00000	5.57
	55 1,2-Dibromoethane	107	11.721	11.711	(0.928)	71144	5.00000	5.20(Q)
*	56 Chlorobenzene-d5	117	12.628	12.627	(1.000)	1175348	50.0000	
	57 Chlorobenzene (**)	112	12.667	12.676	(1.003)	141197	5.00000	6.52
	58 1,1,1,2-Tetrachloroethane	131	12.874	12.863	(1.020)	78259	5.00000	6.42
	59 Ethylbenzene (*)	106	12.943	12.942	(1.025)	67288	5.00000	6.44
	60 m,p-Xylenes	106	13.169	13.179	(1.043)	171072	10.0000	13.05
	61 o-Xylene	106	13.928	13.928	(1.103)	77994	5.00000	6.06

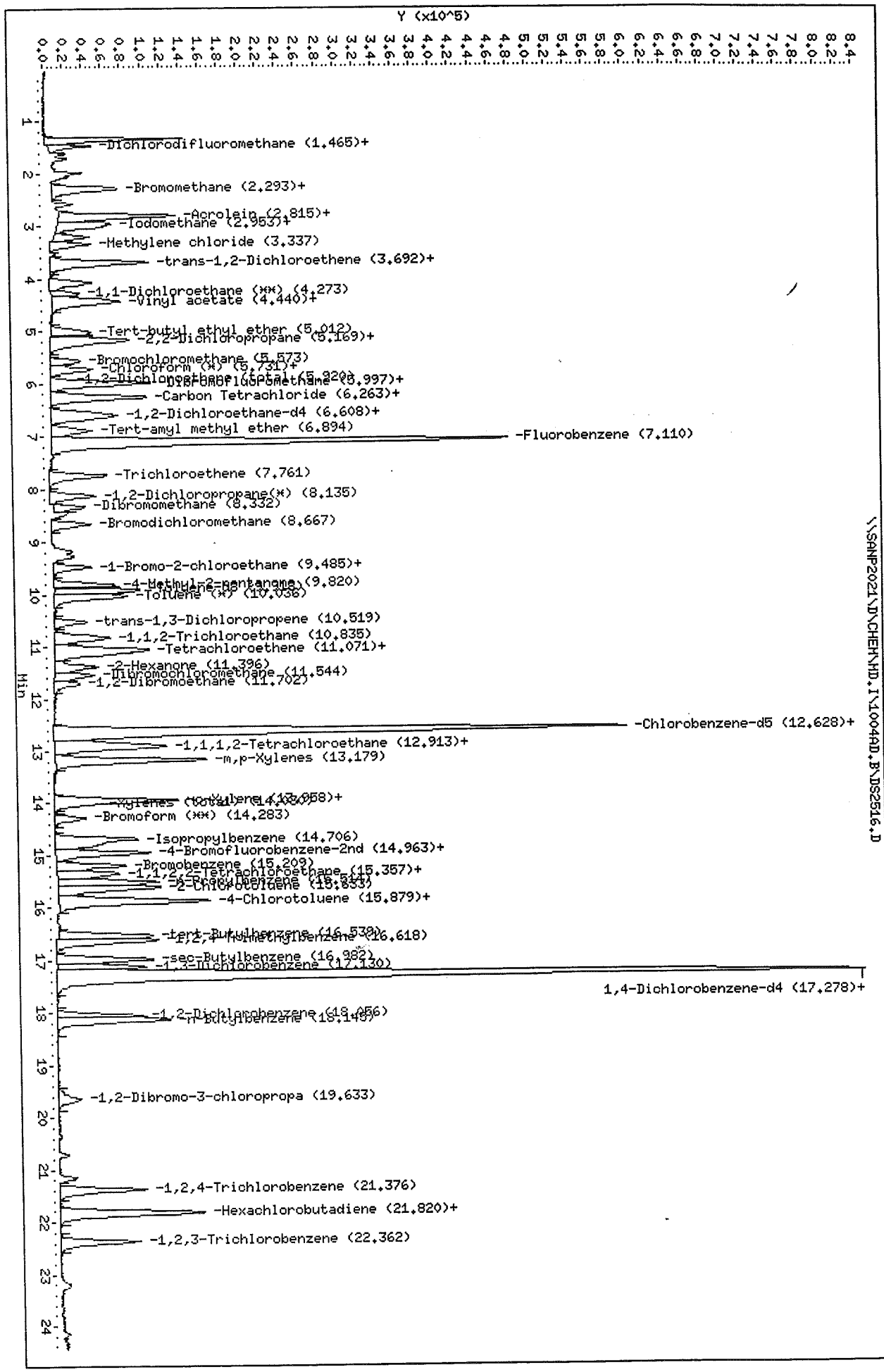
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.968	13.977	(1.106)	127973	5.00000	6.09
M	63 Xylenes (total)	100				249067	15.0000	19.11
	64 Bromoform (**)	173	14.283	14.282	(1.131)	59272	5.00000	4.62(aQ)
	65 Isopropylbenzene	105	14.687	14.686	(1.163)	253985	5.00000	6.42
	66 4-Bromofluorobenzene-2nd	174	14.963	14.962	(0.866)	112474	5.00000	7.27
$	67 4-Bromofluorobenzene	95	14.972	14.962	(0.867)	150445	5.00000	6.72
	68 Bromobenzene	156	15.209	15.198	(0.880)	78958	5.00000	6.23
	69 1,1,2,2-Tetrachloroethane(**)	83	15.337	15.346	(0.888)	69869	5.00000	4.50(aQ)
	70 1,2,3-Trichloropropane	110	15.376	15.366	(0.890)	20251	5.00000	4.12(aQ)
	71 n-Propylbenzene	91	15.514	15.514	(0.898)	263388	5.00000	6.10
	72 2-Chlorotoluene	126	15.633	15.622	(0.905)	65550	5.00000	6.68
	73 4-Chlorotoluene	126	15.859	15.849	(0.918)	66729	5.00000	6.57
	74 1,3,5-Trimethylbenzene	105	15.899	15.908	(0.920)	216110	5.00000	6.40
	75 tert-Butylbenzene	119	16.549	16.529	(0.958)	225626	5.00000	6.48
	76 1,2,4-Trimethylbenzene	105	16.637	16.637	(0.963)	221441	5.00000	6.45
	77 sec-Butylbenzene	105	16.982	16.972	(0.983)	300937	5.00000	6.32
	78 1,3-Dichlorobenzene	146	17.130	17.139	(0.991)	145459	5.00000	6.73
*	79 1,4-Dichlorobenzene-d4	152	17.278	17.267	(1.000)	811309	50.0000	(Q)
	80 1,4-Dichlorobenzene	146	17.307	17.317	(1.002)	163693	5.00000	7.05
	81 p-Isopropyltoluene	119	17.317	17.307	(1.002)	251562	5.00000	6.66
	82 1,2-Dichlorobenzene	146	18.046	18.046	(1.044)	134101	5.00000	6.49
	83 n-Butylbenzene	91	18.145	18.134	(1.050)	238276	5.00000	6.30
	84 1,2-Dibromo-3-chloropropane	157	19.682	19.681	(1.139)	12752	5.00000	2.48(aQ)
	85 1,2,4-Trichlorobenzene	180	21.386	21.376	(1.238)	126383	5.00000	6.76
	86 Hexachlorobutadiene	225	21.820	21.809	(1.263)	109874	5.00000	7.68
	87 Napthalene	128	21.859	21.849	(1.265)	180302	5.00000	5.68
	88 1,2,3-Trichlorobenzene	180	22.362	22.371	(1.294)	116871	5.00000	6.66

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\1004AD.B\DS2516.D
Date : 04-OCT-2000 12:26
Client ID:
Sample Info: 5 PPB 8260B STD,,1.0,,8260BDA.M
Column phase: J&W DB-624

Instrument: md.i
Operator: GFB
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1004AD.B\DS2517.D
Lab Smp Id: 20 PPB 8260B STD
Inj Date : 04-OCT-2000 12:58
Operator : GFB Inst ID: md.i
Smp Info : 20 PPB 8260B STD,,,2,0,,,8260BDA.M
Misc Info : 1242-2;1232-1,,5,,1,all.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1004AD.B\8260BDA.m
Meth Date : 04-Oct-2000 13:23 ramirezr Quant Type: ISTD
Cal Date : 06-SEP-2000 13:13 Cal File: DS2468.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.464	1.464	(0.206)	258783	20.0000	15.15
2 Vinyl chloride (*)	62	1.700	1.701	(0.239)	121781	20.0000	13.23
3 Chloromethane (**)	50	1.631	1.632	(0.229)	107882	20.0000	12.66
4 Bromomethane	94	1.976	1.977	(0.278)	133699	20.0000	20.93
5 Chloroethane	64	2.065	2.065	(0.290)	86592	20.0000	16.38
6 Trichlorofluoromethane	101	2.301	2.302	(0.324)	470507	20.0000	23.59
7 Acrolein	56	2.705	2.706	(0.381)	80044	200.000	315.8(AQ)
8 1,1-Dichloroethene(*)	96	2.794	2.795	(0.393)	171955	20.0000	20.77
9 1,1,2-Trichlorotrifluoroethan	151	2.813	2.814	(0.396)	298071	20.0000	23.24
10 Acetone	43	2.882	2.873	(0.405)	179610	100.000	74.63
11 Iodomethane	142	2.942	2.942	(0.414)	628417	40.0000	39.63
12 Carbon disulfide	76	3.011	3.011	(0.423)	370158	20.0000	16.46
13 Methylene chloride	84	3.336	3.326	(0.469)	170800	20.0000	19.41
14 t-Butanol	59	2.577	2.578	(0.363)	104758	500.000	419.0(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	15 trans-1,2-Dichloroethene	96	3.680	3.671	(0.518)	194759	20.0000	19.98
	16 Acrylonitrile	53	3.671	3.662	(0.516)	266981	200.000	171.0(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.720	3.711	(0.523)	469376	20.0000	19.82
	18 1,1-Dichloroethane (**)	63	4.262	4.282	(0.599)	336670	20.0000	18.31
	19 Vinyl acetate	43	4.410	4.400	(0.620)	889540	40.0000	33.13
	20 Isopropyl ether	45	4.439	4.440	(0.624)	583802	20.0000	16.13
	21 2,2-Dichloropropane	77	5.158	5.159	(0.726)	359891	20.0000	19.61
	22 Tert-butyl ethyl ether	59	5.020	5.011	(0.706)	561518	20.0000	17.77
	23 cis-1,2-Dichloroethene	96	5.168	5.179	(0.727)	202596	20.0000	20.22
	24 2-Butanone	43	5.267	5.277	(0.741)	283318	100.000	64.69
	25 Bromochloromethane	128	5.562	5.563	(0.782)	140769	20.0000	22.77
	26 Chloroform (*)	83	5.730	5.731	(0.806)	425720	20.0000	19.54
	27 Tetrahydrofuran	42	5.690	5.671	(0.800)	36788	20.0000	12.45
M	28 1,2-Dichloroethene (total)	100				397356	40.0000	40.20
$	29 Dibromofluoromethane	111	5.986	5.997	(0.842)	417322	20.0000	20.32
	30 1,1,1-Trichloroethane	97	5.966	5.977	(0.839)	454173	20.0000	20.87
	31 Carbon Tetrachloride	117	6.252	6.253	(0.879)	448454	20.0000	22.18
	32 1,1-Dichloropropene	75	6.252	6.263	(0.879)	337523	20.0000	18.78
$	33 1,2-Dichloroethane-d4	65	6.528	6.529	(0.918)	297190	20.0000	19.65
	34 1,2-Dichloroethane-d4 2nd	102	6.518	6.538	(0.917)	59979	20.0000	18.58
	35 Benzene	78	6.607	6.598	(0.929)	515623	20.0000	18.36
	36 1,2-Dichloroethane	62	6.646	6.657	(0.935)	330696	20.0000	19.90
	37 Tert-amyl methyl ether	73	6.902	6.883	(0.971)	524093	20.0000	17.68
*	38 Fluorobenzene	96	7.109	7.100	(1.000)	1516137	50.0000	
	39 Trichloroethene	130	7.750	7.750	(1.090)	283465	20.0000	20.15
	40 1,2-Dichloropropane(*)	63	8.134	8.125	(1.144)	210985	20.0000	17.34
	41 Dibromomethane	93	8.321	8.341	(1.170)	202525	20.0000	19.82
	42 Bromodichloromethane	83	8.666	8.657	(1.219)	430970	20.0000	19.62
	43 1-Bromo-2-chloroethane	63	9.168	9.169	(1.290)	488171	20.0000	19.50(Q)
	44 2-Chloroethylvinyl ether	106	9.277	9.267	(1.305)	54342	40.0000	33.45(Q)
	45 cis-1,3-Dichloropropene	75	9.474	9.464	(1.333)	323283	20.0000	17.61
	46 4-Methyl-2-pentanone	43	9.819	9.819	(1.381)	827567	100.000	68.54
$	47 Toluene-d8	98	9.927	9.928	(0.786)	596754	20.0000	20.80
	48 Toluene (*)	91	10.055	10.036	(0.796)	635253	20.0000	20.90
	49 trans-1,3-Dichloropropene	75	10.528	10.529	(0.834)	289823	20.0000	19.45
	50 1,1,2-Trichloroethane	97	10.843	10.844	(0.859)	212856	20.0000	21.31
	51 Tetrachloroethene	164	11.050	11.051	(0.875)	292404	20.0000	23.71
	52 1,3-Dichloropropane	76	11.129	11.129	(0.881)	336242	20.0000	19.94
	53 2-Hexanone	43	11.375	11.386	(0.901)	591298	100.000	74.68
	54 Dibromochloromethane	129	11.552	11.543	(0.915)	386202	20.0000	22.88
	55 1,2-Dibromoethane	107	11.700	11.711	(0.927)	327240	20.0000	21.74
*	56 Chlorobenzene-d5	117	12.626	12.627	(1.000)	1294709	50.0000	
	57 Chlorobenzene (**)	112	12.676	12.676	(1.004)	511009	20.0000	21.43
	58 1,1,1,2-Tetrachloroethane	131	12.863	12.863	(1.019)	308754	20.0000	22.99
	59 Ethylbenzene (*)	106	12.942	12.942	(1.025)	233173	20.0000	20.26
	60 m,p-Xylenes	106	13.168	13.179	(1.043)	613661	40.0000	42.50
	61 o-Xylene	106	13.927	13.928	(1.103)	294072	20.0000	20.73

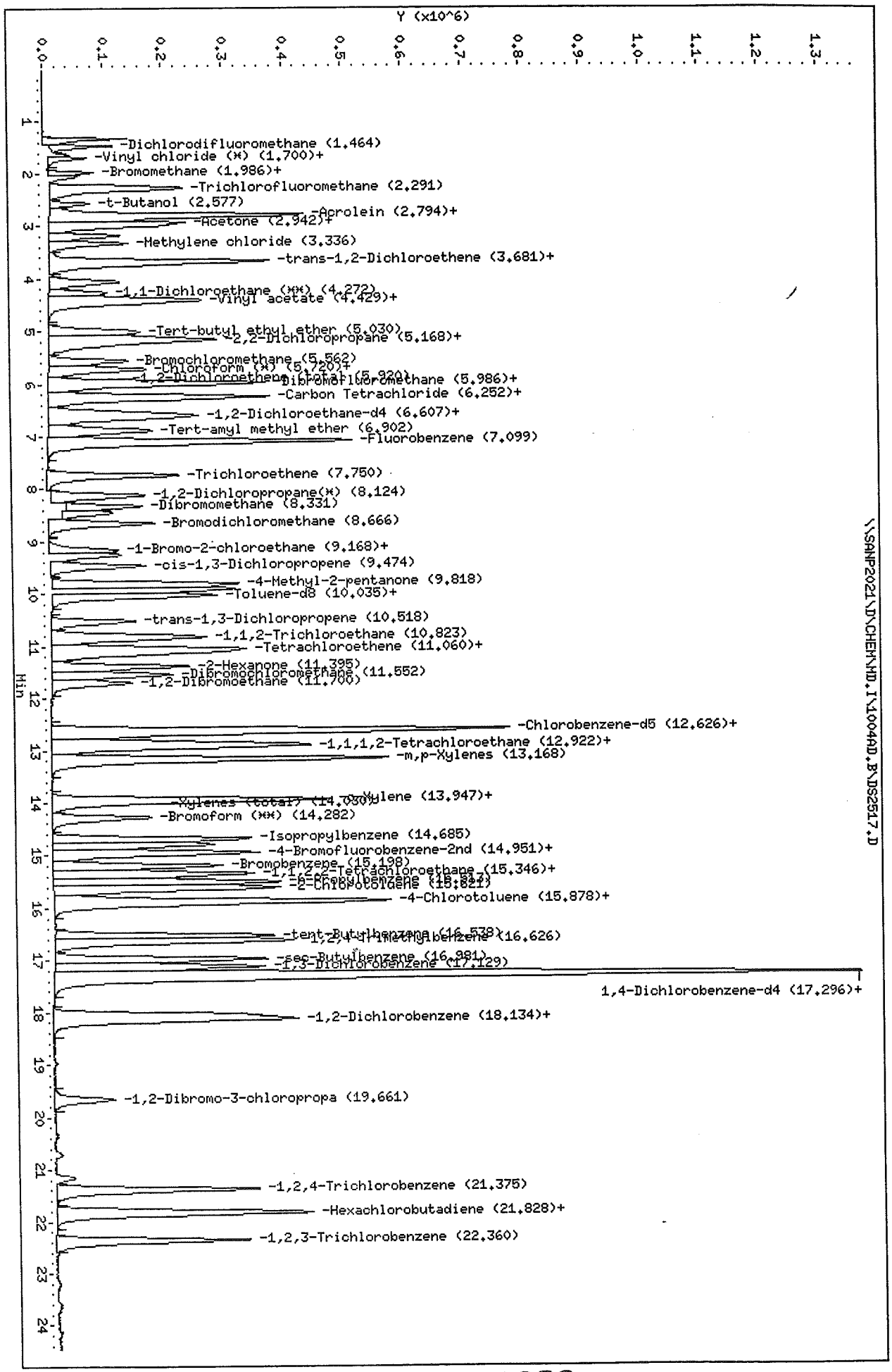
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
62 Styrene	104	13.976	13.977	(1.107)	475476	20.0000	20.55
M 63 Xylenes (total)	100				907733	60.0000	63.23
64 Bromoform (**)	173	14.282	14.282	(1.131)	313113	20.0000	22.17
65 Isopropylbenzene	105	14.685	14.686	(1.163)	921074	20.0000	21.12
66 4-Bromofluorobenzene-2nd	174	14.971	14.962	(0.867)	367930	20.0000	20.13
$ 67 4-Bromofluorobenzene	95	14.951	14.962	(0.866)	491961	20.0000	18.61
68 Bromobenzene	156	15.208	15.198	(0.881)	312021	20.0000	20.86
69 1,1,2,2-Tetrachloroethane(**)	83	15.346	15.346	(0.889)	336407	20.0000	18.33
70 1,2,3-Trichloropropane	110	15.365	15.366	(0.890)	109671	20.0000	18.91
71 n-Propylbenzene	91	15.513	15.514	(0.898)	1012123	20.0000	19.84
72 2-Chlorotoluene	126	15.621	15.622	(0.905)	235869	20.0000	20.35
73 4-Chlorotoluene	126	15.858	15.849	(0.918)	242643	20.0000	20.23
74 1,3,5-Trimethylbenzene	105	15.907	15.908	(0.921)	790973	20.0000	19.83
75 tert-Butylbenzene	119	16.538	16.529	(0.958)	782917	20.0000	19.05
76 1,2,4-Trimethylbenzene	105	16.636	16.637	(0.963)	799675	20.0000	19.74
77 sec-Butylbenzene	105	16.981	16.972	(0.983)	1011785	20.0000	18.01
78 1,3-Dichlorobenzene	146	17.129	17.139	(0.992)	522853	20.0000	20.49
* 79 1,4-Dichlorobenzene-d4	152	17.267	17.267	(1.000)	958076	50.0000	(Q)
80 1,4-Dichlorobenzene	146	17.316	17.317	(1.003)	582004	20.0000	21.24
81 p-Isopropyltoluene	119	17.316	17.307	(1.003)	858120	20.0000	19.24
82 1,2-Dichlorobenzene	146	18.055	18.046	(1.046)	510187	20.0000	20.91
83 n-Butylbenzene	91	18.134	18.134	(1.050)	785365	20.0000	17.60
84 1,2-Dibromo-3-chloropropane	157	19.661	19.681	(1.139)	108932	20.0000	17.94
85 1,2,4-Trichlorobenzene	180	21.375	21.376	(1.238)	446750	20.0000	20.23
86 Hexachlorobutadiene	225	21.799	21.809	(1.262)	229391	20.0000	13.58
87 Napthalene	128	21.858	21.849	(1.266)	710724	20.0000	18.97
88 1,2,3-Trichlorobenzene	180	22.370	22.371	(1.296)	426554	20.0000	20.59

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\1004AD.B\DS2517.D
Date : 04-OCT-2000 12:58
Client ID:
Sample Info: 20 PPB 8260B STD,,2.0,,8260BDA.M
Column phase: J&W DB-624

Instrument: md.i
Operator: GFB
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1004AD.B\DS2518.D
Lab Smp Id: 100 PPB 8260B STD
Inj Date : 04-OCT-2000 13:30
Operator : GFB Inst ID: md.i
Smp Info : 100 PPB 8260B STD,,,4,0,,,8260BDA.M
Misc Info : 1242-2;1236-1,,5,,1,all.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1004AD.B\8260BDA.m
Meth Date : 04-Oct-2000 13:54 ramirezr Quant Type: ISTD
Cal Date : 06-SEP-2000 13:13 Cal File: DS2468.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.464	1.464	(0.206)	1182860	100.000	70.42
2 Vinyl chloride (*)	62	1.701	1.701	(0.240)	578280	100.000	63.88
3 Chloromethane (**)	50	1.632	1.632	(0.230)	479222	100.000	57.17
4 Bromomethane	94	1.967	1.977	(0.277)	563071	100.000	89.61
5 Chloroethane	64	2.075	2.065	(0.292)	370858	100.000	71.31
6 Trichlorofluoromethane	101	2.292	2.302	(0.323)	2108883	100.000	107.5
7 Acrolein	56	2.706	2.706	(0.381)	458196	1000.00	1838(AQ)
8 1,1-Dichloroethene(*)	96	2.795	2.795	(0.394)	795112	100.000	97.63
9 1,1,2-Trichlorotrifluoroethan	151	2.804	2.814	(0.395)	1400689	100.000	111.0
10 Acetone	43	2.883	2.873	(0.406)	840131	500.000	354.9
11 Iodomethane	142	2.942	2.942	(0.414)	3155298	200.000	202.3(A)
12 Carbon disulfide	76	3.002	3.011	(0.423)	1800512	100.000	81.40
13 Methylene chloride	84	3.336	3.326	(0.470)	804538	100.000	92.97
14 t-Butanol	59	2.578	2.578	(0.363)	505286	2500.00	2055

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	15 trans-1,2-Dichloroethene	96	3.671	3.671	(0.517)	918791	100.000	95.81
	16 Acrylonitrile	53	3.671	3.662	(0.517)	1379992	1000.00	898.8(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.721	3.711	(0.524)	2257430	100.000	96.90
	18 1,1-Dichloroethane (**)	63	4.272	4.282	(0.602)	1554131	100.000	85.93
	19 Vinyl acetate	43	4.401	4.400	(0.620)	4206743	200.000	159.3(A)
	20 Isopropyl ether	45	4.450	4.440	(0.627)	2693254	100.000	75.66
	21 2,2-Dichloropropane	77	5.169	5.159	(0.728)	1700232	100.000	94.17
	22 Tert-butyl ethyl ether	59	5.021	5.011	(0.707)	2695756	100.000	86.73
	23 cis-1,2-Dichloroethene	96	5.189	5.179	(0.731)	959336	100.000	97.35
	24 2-Butanone	43	5.287	5.277	(0.745)	1484478	500.000	344.6
	25 Bromochloromethane	128	5.563	5.563	(0.784)	658187	100.000	108.2
	26 Chloroform (*)	83	5.731	5.731	(0.807)	2125474	100.000	99.17
	27 Tetrahydrofuran	42	5.691	5.671	(0.802)	194736	100.000	66.98(Q)
M	28 1,2-Dichloroethene (total)	100				1878127	200.000	193.2
$	29 Dibromofluoromethane	111	5.997	5.997	(0.845)	2029350	100.000	100.4
	30 1,1,1-Trichloroethane	97	5.987	5.977	(0.843)	2222790	100.000	103.8
	31 Carbon Tetrachloride	117	6.253	6.253	(0.881)	2132540	100.000	107.2
	32 1,1-Dichloropropene	75	6.263	6.263	(0.882)	1508103	100.000	85.32
$	33 1,2-Dichloroethane-d4	65	6.529	6.529	(0.920)	1374028	100.000	92.36
	34 1,2-Dichloroethane-d4 2nd	102	6.529	6.538	(0.920)	279989	100.000	88.17
	35 Benzene	78	6.598	6.598	(0.929)	2402162	100.000	86.98
	36 1,2-Dichloroethane	62	6.657	6.657	(0.938)	1592559	100.000	97.43
	37 Tert-amyl methyl ether	73	6.893	6.883	(0.971)	2632176	100.000	90.30
*	38 Fluorobenzene	96	7.100	7.100	(1.000)	1491260	50.0000	
	39 Trichloroethene	130	7.750	7.750	(1.092)	1351103	100.000	97.64
	40 1,2-Dichloropropane(*)	63	8.125	8.125	(1.144)	979235	100.000	81.84
	41 Dibromomethane	93	8.332	8.341	(1.173)	991088	100.000	98.62
	42 Bromodichloromethane	83	8.657	8.657	(1.219)	2153547	100.000	99.69
	43 1-Bromo-2-chloroethane	63	9.169	9.169	(1.291)	2426608	100.000	98.57
	44 2-Chloroethylvinyl ether	106	9.277	9.267	(1.307)	305260	200.000	191.0(AQ)
	45 cis-1,3-Dichloropropene	75	9.474	9.464	(1.334)	1613170	100.000	89.34
	46 4-Methyl-2-pentanone	43	9.819	9.819	(1.383)	4309220	500.000	362.8
$	47 Toluene-d8	98	9.928	9.928	(0.787)	2680028	100.000	93.41
	48 Toluene (*)	91	10.046	10.036	(0.796)	2989433	100.000	98.35
	49 trans-1,3-Dichloropropene	75	10.529	10.529	(0.834)	1477645	100.000	99.16
	50 1,1,2-Trichloroethane	97	10.854	10.844	(0.860)	1033450	100.000	103.4
	51 Tetrachloroethene	164	11.061	11.051	(0.877)	1368097	100.000	110.9
	52 1,3-Dichloropropane	76	11.130	11.129	(0.882)	1653540	100.000	98.08
	53 2-Hexanone	43	11.386	11.386	(0.902)	3177686	500.000	401.4
	54 Dibromochloromethane	129	11.553	11.543	(0.916)	1954323	100.000	115.8
	55 1,2-Dibromoethane	107	11.721	11.711	(0.929)	1645144	100.000	109.3
*	56 Chlorobenzene-d5	117	12.617	12.627	(1.000)	1294737	50.0000	
	57 Chlorobenzene (**)	112	12.676	12.676	(1.005)	2450446	100.000	102.8
	58 1,1,1,2-Tetrachloroethane	131	12.873	12.863	(1.020)	1525186	100.000	113.6
	59 Ethylbenzene (*)	106	12.933	12.942	(1.025)	1153745	100.000	100.2
	60 m,p-Xylenes	106	13.169	13.179	(1.044)	2802289	200.000	194.1
	61 o-Xylene	106	13.928	13.928	(1.104)	1378141	100.000	97.15

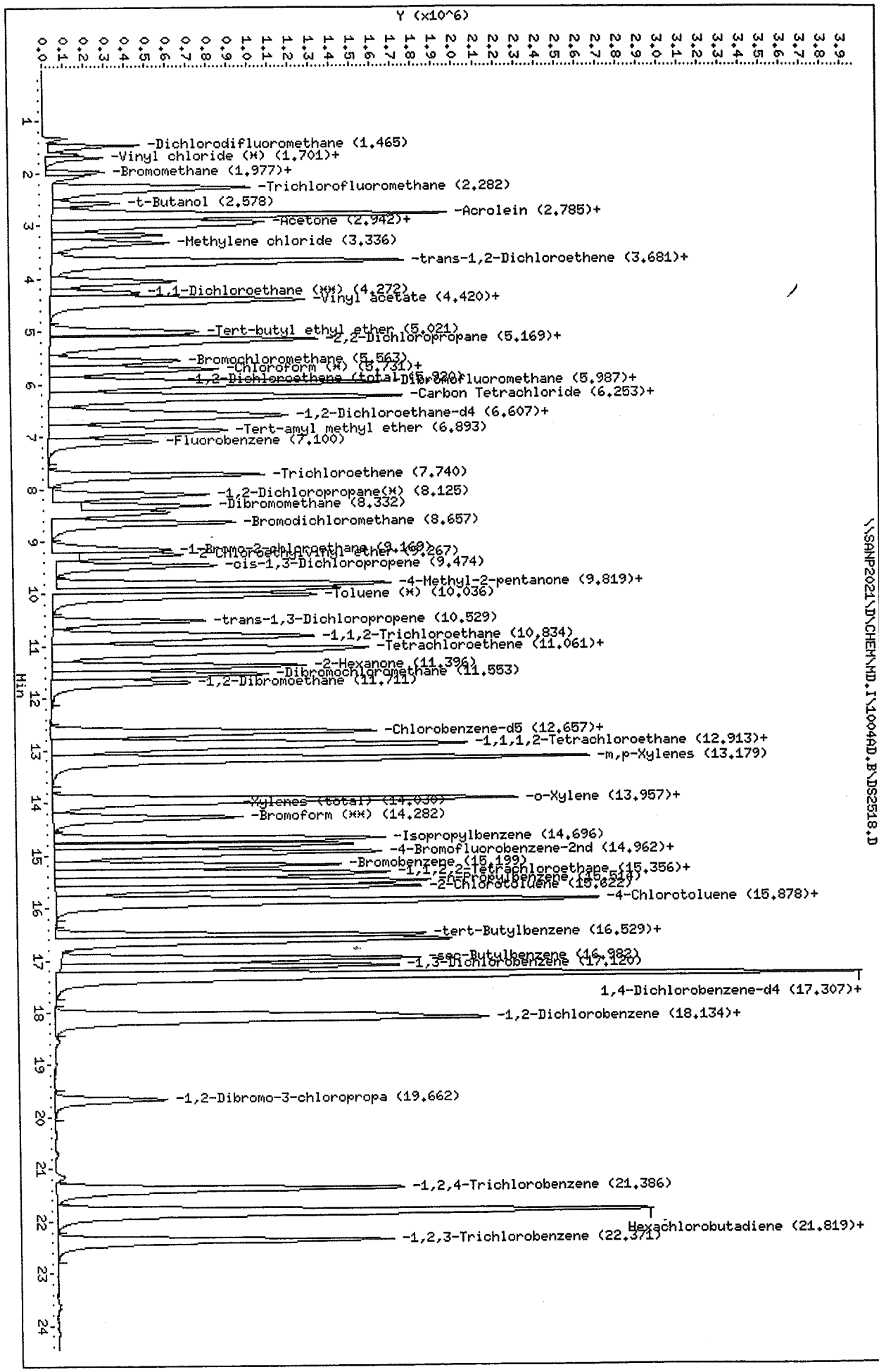
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.967	13.977	(1.107)	2345211	100.000	101.3
M	63 Xylenes (total)	100				4180431	300.000	291.2
	64 Bromoform (**)	173	14.282	14.282	(1.132)	1688328	100.000	119.5
	65 Isopropylbenzene	105	14.696	14.686	(1.165)	4394439	100.000	100.8
	66 4-Bromofluorobenzene-2nd	174	14.962	14.962	(0.866)	1677326	100.000	92.42
$	67 4-Bromofluorobenzene	95	14.952	14.962	(0.866)	2248466	100.000	85.66
	68 Bromobenzene	156	15.208	15.198	(0.881)	1512084	100.000	101.8
	69 1,1,2,2-Tetrachloroethane(**)	83	15.346	15.346	(0.889)	1676532	100.000	92.00
	70 1,2,3-Trichloropropane	110	15.366	15.366	(0.890)	570699	100.000	99.10
	71 n-Propylbenzene	91	15.524	15.514	(0.899)	4723061	100.000	93.24
	72 2-Chlorotoluene	126	15.632	15.622	(0.905)	1096359	100.000	95.27
	73 4-Chlorotoluene	126	15.859	15.849	(0.918)	1153822	100.000	96.87
	74 1,3,5-Trimethylbenzene	105	15.898	15.908	(0.921)	3725098	100.000	94.06
	75 tert-Butylbenzene	119	16.529	16.529	(0.957)	3864815	100.000	94.72
	76 1,2,4-Trimethylbenzene	105	16.637	16.637	(0.963)	3782955	100.000	94.02
	77 sec-Butylbenzene	105	16.982	16.972	(0.983)	5114656	100.000	91.66
	78 1,3-Dichlorobenzene	146	17.130	17.139	(0.992)	2439319	100.000	96.27
*	79 1,4-Dichlorobenzene-d4	152	17.267	17.267	(1.000)	951421	50.0000	
	80 1,4-Dichlorobenzene	146	17.317	17.317	(1.003)	2628748	100.000	96.61
	81 p-Isopropyltoluene	119	17.307	17.307	(1.002)	4172583	100.000	94.19
	82 1,2-Dichlorobenzene	146	18.046	18.046	(1.045)	2376905	100.000	98.10
	83 n-Butylbenzene	91	18.144	18.134	(1.051)	4068085	100.000	91.81
	84 1,2-Dibromo-3-chloropropane	157	19.662	19.681	(1.139)	627411	100.000	104.0
	85 1,2,4-Trichlorobenzene	180	21.376	21.376	(1.238)	2246956	100.000	102.5
	86 Hexachlorobutadiene	225	21.809	21.809	(1.263)	1887392	100.000	112.5
	87 Napthalene	128	21.849	21.849	(1.265)	3567639	100.000	95.89
	88 1,2,3-Trichlorobenzene	180	22.371	22.371	(1.296)	2066653	100.000	100.4

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\1004AD.B\DS2518.D
Date : 04-OCT-2000 13:30
Client ID:
Sample Info: 100 PPB 8260B STD,,4.0,,,8260BDA.M
Column phase: J&W DB-624

Instrument: md.i
Operator: GFB
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1004AD.B\DS2519.D
Lab Smp Id: 400 PPB 8260B STD
Inj Date : 04-OCT-2000 14:02
Operator : GFB Inst ID: md.i
Smp Info : 400 PPB 8260B STD,,,5,0,,,8260BDA.M
Misc Info : 1242-2;1236-1,,5,,1,all.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1004AD.B\8260BDA.m
Meth Date : 04-Oct-2000 14:26 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.460	1.460	(0.205)	4427300	400.000	330.8
2 Vinyl chloride (*)	62	1.696	1.696	(0.238)	2165028	400.000	334.2
3 Chloromethane (**)	50	1.637	1.637	(0.230)	1773666	400.000	311.2
4 Bromomethane	94	1.972	1.972	(0.277)	1831634	400.000	277.9
5 Chloroethane	64	2.071	2.071	(0.291)	904548	400.000	216.1
6 Trichlorofluoromethane	101	2.317	2.317	(0.326)	4819682	400.000	224.4
7 Acrolein	56	2.731	2.731	(0.384)	1808424	4000.00	4506(A)
8 1,1-Dichloroethene(*)	96	2.780	2.780	(0.391)	2817859	400.000	333.7
9 1,1,2-Trichlorotrifluoroethan	151	2.780	2.780	(0.391)	4817468	400.000	341.8
10 Acetone	43	2.928	2.928	(0.412)	2627031	2000.00	1580
11 Iodomethane	142	2.938	2.938	(0.413)	10609244	800.000	652.0(A)
12 Carbon disulfide	76	2.987	2.987	(0.420)	6510057	400.000	344.7
13 Methylene chloride	84	3.342	3.342	(0.470)	3148490	400.000	367.0
14 t-Butanol	59	2.603	2.603	(0.366)	2217620	10000.0	10190(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	15 trans-1,2-Dichloroethene	96	3.667	3.667	(0.515)	3389956	400.000	346.0
	16 Acrylonitrile	53	3.706	3.706	(0.521)	4580584	4000.00	3588(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.746	3.746	(0.526)	7998078	400.000	354.7
	18 1,1-Dichloroethane (**)	63	4.288	4.288	(0.603)	5963806	400.000	353.4
	19 Vinyl acetate	43	4.426	4.426	(0.622)	15041545	800.000	691.2(A)
	20 Isopropyl ether	45	4.475	4.475	(0.629)	9830728	400.000	336.8
	21 2,2-Dichloropropane	77	5.155	5.155	(0.724)	6348951	400.000	346.5
	22 Tert-butyl ethyl ether	59	5.046	5.046	(0.709)	10082779	400.000	361.2
	23 cis-1,2-Dichloroethene	96	5.194	5.194	(0.730)	3595693	400.000	361.7
	24 2-Butanone	43	5.302	5.302	(0.745)	4887068	2000.00	1698
	25 Bromochloromethane	128	5.578	5.578	(0.784)	2452050	400.000	373.8
	26 Chloroform (*)	83	5.756	5.756	(0.809)	7624737	400.000	347.3
	27 Tetrahydrofuran	42	5.716	5.716	(0.803)	626911	400.000	360.0
M	28 1,2-Dichloroethene (total)	100				6985650	800.000	707.8
$	29 Dibromofluoromethane	111	6.012	6.012	(0.845)	7086327	400.000	332.4
	30 1,1,1-Trichloroethane	97	5.982	5.982	(0.841)	8036048	400.000	351.4
	31 Carbon Tetrachloride	117	6.248	6.248	(0.878)	7678851	400.000	351.0
	32 1,1-Dichloropropene	75	6.268	6.268	(0.881)	5425363	400.000	333.1
$	33 1,2-Dichloroethane-d4	65	6.544	6.544	(0.920)	4930543	400.000	342.6
	35 Benzene	78	6.593	6.593	(0.927)	8671325	400.000	340.8
	36 1,2-Dichloroethane	62	6.672	6.672	(0.938)	5782627	400.000	361.0
	37 Tert-amyl methyl ether	73	6.908	6.908	(0.971)	9695149	400.000	366.1
*	38 Fluorobenzene	96	7.115	7.115	(1.000)	1499019	50.0000	
	39 Trichloroethene	130	7.756	7.756	(1.090)	5090253	400.000	363.3
	40 1,2-Dichloropropane(*)	63	8.140	8.140	(1.144)	3702276	400.000	357.0
	41 Dibromomethane	93	8.347	8.347	(1.173)	3573473	400.000	369.9
	42 Bromodichloromethane	83	8.662	8.662	(1.217)	8124657	400.000	378.4
	43 1-Bromo-2-chloroethane	63	9.184	9.184	(1.291)	9044102	400.000	382.6
	44 2-Chloroethylvinyl ether	106	9.293	9.293	(1.306)	1207448	800.000	917.6(A)
	45 cis-1,3-Dichloropropene	75	9.480	9.480	(1.332)	6143604	400.000	379.2
	46 4-Methyl-2-pentanone	43	9.844	9.844	(1.384)	13596112	2000.00	1743
$	47 Toluene-d8	98	9.953	9.953	(0.788)	9223539	400.000	312.5
	48 Toluene (*)	91	10.071	10.071	(0.797)	10893724	400.000	349.6
	49 trans-1,3-Dichloropropene	75	10.534	10.534	(0.834)	5700884	400.000	400.6(A)
	50 1,1,2-Trichloroethane	97	10.859	10.859	(0.860)	3753767	400.000	365.1
	51 Tetrachloroethene	164	11.066	11.066	(0.876)	4952743	400.000	350.0
	52 1,3-Dichloropropane	76	11.155	11.155	(0.883)	5662155	400.000	349.8
	53 2-Hexanone	43	11.411	11.411	(0.903)	10063033	2000.00	1788
	54 Dibromochloromethane	129	11.568	11.568	(0.916)	7186781	400.000	381.9
	55 1,2-Dibromoethane	107	11.726	11.726	(0.928)	5903928	400.000	379.2
*	56 Chlorobenzene-d5	117	12.632	12.632	(1.000)	1275234	50.0000	
	57 Chlorobenzene (**)	112	12.682	12.682	(1.004)	8861585	400.000	353.6
	58 1,1,1,2-Tetrachloroethane	131	12.879	12.879	(1.019)	5483825	400.000	362.0
	59 Ethylbenzene (*)	106	12.948	12.948	(1.025)	4047488	400.000	346.2
	60 m,p-Xylenes	106	13.184	13.184	(1.044)	9828874	800.000	669.1
	61 o-Xylene	106	13.943	13.943	(1.104)	4987983	400.000	351.5
	62 Styrene	104	13.992	13.992	(1.108)	8382608	400.000	355.6

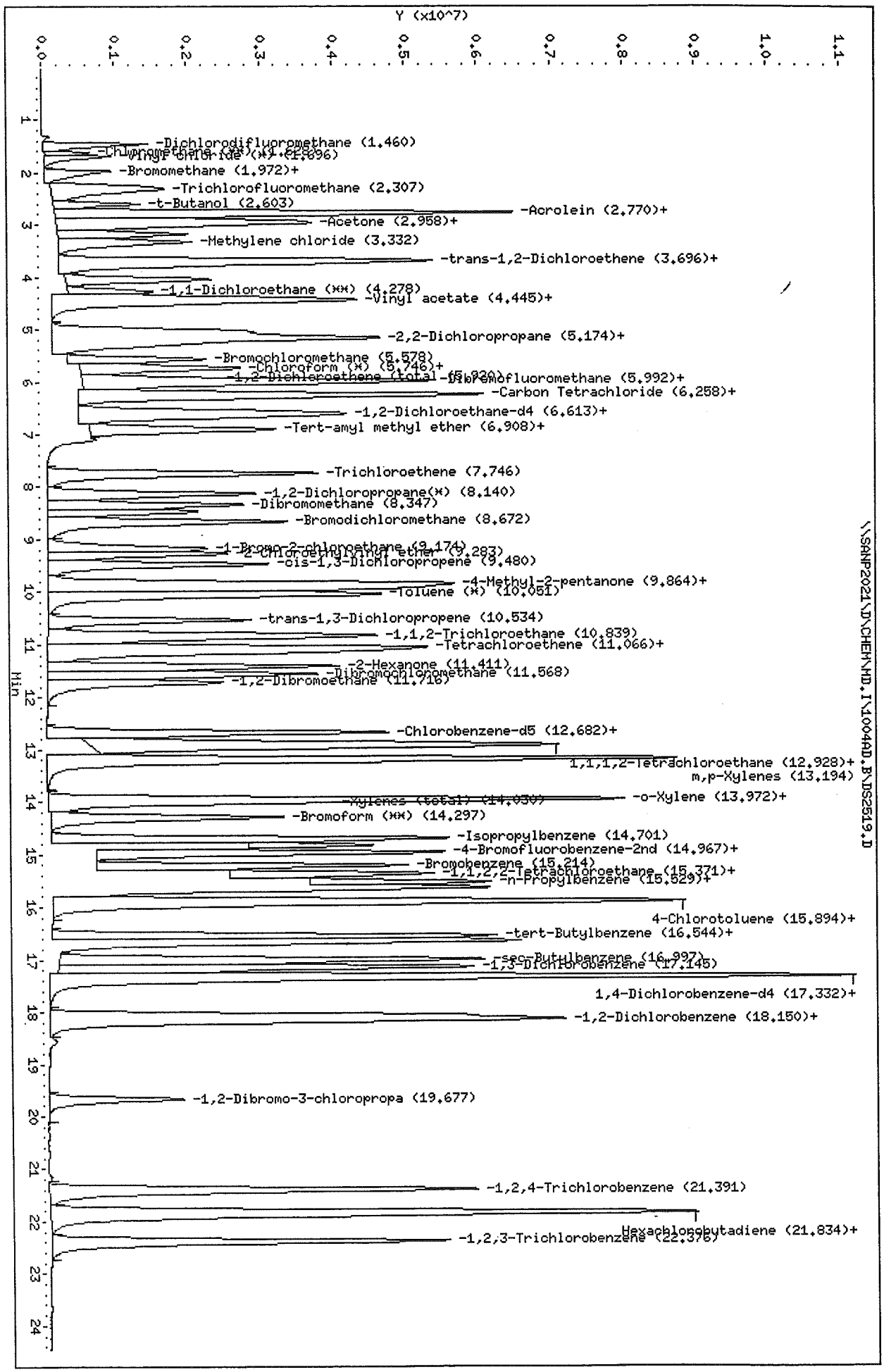
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
M 63 Xylenes (total)	100				14816858	1200.00	1020
64 Bromoform (**)	173	14.297	14.297	(1.132)	6169596	400.000	406.4(A)
65 Isopropylbenzene	105	14.701	14.701	(1.164)	15328199	400.000	342.6
66 4-Bromofluorobenzene-2nd	174	14.977	14.977	(0.866)	5818130	400.000	335.6
$ 67 4-Bromofluorobenzene	95	14.967	14.967	(0.866)	7604911	400.000	328.6
68 Bromobenzene	156	15.224	15.224	(0.880)	5403998	400.000	373.6
69 1,1,2,2-Tetrachloroethane(**)	83	15.352	15.352	(0.888)	5541441	400.000	372.1
70 1,2,3-Trichloropropane	110	15.391	15.391	(0.890)	1885390	400.000	386.5
71 n-Propylbenzene	91	15.539	15.539	(0.899)	15496581	400.000	343.8
72 2-Chlorotoluene	126	15.647	15.647	(0.905)	3891382	400.000	357.2
73 4-Chlorotoluene	126	15.864	15.864	(0.917)	4118669	400.000	361.9
74 1,3,5-Trimethylbenzene	105	15.923	15.923	(0.921)	12521178	400.000	345.4
75 tert-Butylbenzene	119	16.544	16.544	(0.957)	13234421	400.000	353.4
76 1,2,4-Trimethylbenzene	105	16.652	16.652	(0.963)	12840754	400.000	348.1
77 sec-Butylbenzene	105	16.997	16.997	(0.983)	17391237	400.000	354.1
78 1,3-Dichlorobenzene	146	17.145	17.145	(0.991)	8551308	400.000	352.5
* 79 1,4-Dichlorobenzene-d4	152	17.293	17.293	(1.000)	870677	50.0000	
80 1,4-Dichlorobenzene	146	17.342	17.342	(1.003)	8902406	400.000	336.4
81 p-Isopropyltoluene	119	17.332	17.332	(1.002)	13639178	400.000	336.6
82 1,2-Dichlorobenzene	146	18.061	18.061	(1.044)	8268402	400.000	356.4
83 n-Butylbenzene	91	18.150	18.150	(1.050)	13741724	400.000	355.2
84 1,2-Dibromo-3-chloropropane	157	19.667	19.667	(1.137)	2222731	400.000	440.3(A)
85 1,2,4-Trichlorobenzene	180	21.381	21.381	(1.236)	7839974	400.000	365.9
86 Hexachlorobutadiene	225	21.815	21.815	(1.262)	6026143	400.000	372.4
87 Napthalene	128	21.864	21.864	(1.264)	11053243	400.000	340.9
88 1,2,3-Trichlorobenzene	180	22.376	22.376	(1.294)	7159560	400.000	358.0

QC Flag Legend

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

Data File: \\SANP2021\D\CHEM\MD.I\1004AD.B\DS2519.D
Date : 04-OCT-2000 14:02
Client ID:
Sample Info: 400 PPB 8260B STD,,5,0,,8260BDA.M
Column phase: J&W DB-624

Instrument: md.i
Operator: GFB
Column diameter: 0.53



8260B INITIAL CALIBRATION DATA

DATE ANALYZED: 10/13/00

INSTRUMENT ID: C

SAMPLES: E030410125-31
(Trip Blank)

Batch I _____

GC/MS VOA Run Log

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☐ 5030B ☐ 5035

Inst. ID: MSC [redacted] EM Set: 1647 Tune File: BFB U Seq File: 10/13/BC

Init. Cal ID: 8260BLL Date: 10/13/2000 PM

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
16:44	AD	CT1204	50ng BFB			1µ			✓			
17:00		CS2044	.5 ppb 826013	1	L	5mL	2U	161	✓			MSV0001198-1
17:30		CS2045	1 ppb 826013	2				163	✓			S1254-1, S1254-2, SD1255
18:00		CS2046	5 ppb 826013	3				161	✓			
18:30		CS2047	10 ppb 826013	4				161	✓			
19:00		CS2048	50 ppb 826013	5				157	✓			
19:30		CS2049	100 ppb 826013	6				132	✓			
20:00		CO9780	MB-1013BC	7				52	✓			
20:31		81	LCS-1013BC	1				160	✓			
21:00		82	MB-1013BC	7				166	✓			SECOND SOURCE 0C1353-1
21:40		83	DLP6C101	7				169	✓		2	EOJ060287-2
22:10		84	DLM48G01	8				151	✓			EOJ130239-1
22:40		85	DLTAM101	9				157	✓			EOJ090226-1
23:10		86	DLTDP101	10				149	✓			-21
23:40		87	DLTDE101	11				141	✓			EOJ090227-21
0:10		88	DMIAQ1AA	12				157	✓			EOJ110284-29
0:40		89	DMICC1AA	13				135	✓			-30
1:10		90	DMIDN1AA	14				157	✓			EOJ110292-1
1:40		91	DMIEK1AA	15				142	✓			-13
2:10		92	DLP6C102MS	16				158	✓			EOJ060287-2M
2:40		93	DLP6C103MSD	1				158	✓			-2M
3:10		94	DLTDP102MS	2				159	✓			EOJ090226-21M
3:40		CO97 95	DLTDP103MSD	3				90	✓	✓		21M
				4								

000293

G:\FORMS\Run Log\MSV Runlog.DOC

10-16-00

Version 01/04/99

BOE-C6-0154958

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 17:00
End Cal Date : 13-OCT-2000 19:30
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.M
Cal Date : 13-Oct-2000 21:20 DONGA
Curve Type : Average

Calibration File Names:
Level 1: \\SANP2010\D\chem\mc.i\1013BC.B\CS2045.D
Level 2: \\SANP2010\D\chem\mc.i\1013BC.B\CS2046.D
Level 3: \\SANP2010\D\chem\mc.i\1013BC.B\CS2047.D
Level 4: \\SANP2010\D\chem\mc.i\1013BC.B\CS2048.D
Level 5: \\SANP2010\D\chem\mc.i\1013BC.B\CS2049.D
Level 6: \\SANP2010\D\chem\mc.i\1013BC.B\CS2044.D

BM 10/12/2000
10-16-00

	Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	RRF	% RSD	
	1 Dichlorodifluoromethane	0.49651	0.48912	0.47578	0.45591	0.47329	+++++	0.47812	3.276	
	2 Chloromethane (**)	0.18600	0.17411	0.18335	0.16076	0.18682	+++++	0.17821	6.163	
	3 Vinyl chloride (*)	+++++	0.22088	0.21270	0.21093	0.22309	0.19687	0.21289	4.861	
	4 Bromomethane	0.22311	0.20660	0.21315	0.24098	0.24160	+++++	0.22509	7.071	
	5 Chloroethane	0.14179	0.14651	0.14745	0.12882	0.12350	+++++	0.13761	7.876	
	6 Trichlorofluoromethane	0.80921	0.81289	0.79698	0.76808	0.78705	+++++	0.79484	2.280	
	7 Acrolein	0.01686	0.01748	0.01710	0.01680	0.01861	+++++	0.01737	4.279	
	8 1,1-Dichloroethene(*)	0.29792	0.28106	0.28711	0.27355	0.29140	+++++	0.28621	3.277	
	9 1,1,2-Trichlorotrifluoroethan	0.49456	0.49171	0.47858	0.45078	0.46830	+++++	0.47679	3.767	
	10 Iodomethane	0.40952	0.55430	0.59744	0.55758	0.44005	+++++	0.51178	16.008	
	11 Acetone	0.03105	0.02318	0.02146	0.01628	0.01273	+++++	0.02094	33.489	<-
	12 Carbon disulfide	0.49939	0.55069	0.57489	0.62189	0.58818	+++++	0.56701	8.063	
	13 Methylene chloride	0.23369	0.23501	0.23667	0.22469	0.20870	+++++	0.22775	5.100	
	14 Acrylonitrile	0.00219	0.00345	0.00313	0.00311	0.00260	+++++	0.00290	17.167	<-
	15 t-Butanol	0.00609	0.00567	0.00526	0.00528	0.00382	+++++	0.00522	16.396	<-
	16 Vinyl acetate	0.29434	0.31153	0.30140	0.31021	0.28663	+++++	0.30083	3.512	
	17 trans-1,2-Dichloroethene	0.32296	0.33322	0.32759	0.31772	0.33545	+++++	0.32739	2.225	
	18 Methyl-tert-butyl ether[MTBE]	0.31209	0.30527	0.30191	0.28780	0.22510	+++++	0.28643	12.363	
	19 1,1-Dichloroethane (**)	0.51383	0.53312	0.52212	0.52051	0.53548	+++++	0.52501	1.728	
	20 Isopropyl ether	0.72858	0.71568	0.70437	0.68798	0.66076	+++++	0.69947	3.759	
	21 Tert-butyl ethyl ether	0.56493	0.57977	0.57953	0.56445	0.51679	+++++	0.56109	4.611	
M	22 1,2-Dichloroethene (total)	0.29368	0.32798	0.32779	0.31644	0.32045	+++++	0.31727	4.438	
	23 2,2-Dichloropropane	0.16802	0.24897	0.28426	0.43256	0.45558	+++++	0.31788	38.673	<-
	24 cis-1,2-Dichloroethene	0.26439	0.32274	0.32799	0.31517	0.30545	+++++	0.30715	8.257	
	25 2-Butanone	0.03018	0.02554	0.02285	0.02198	0.01773	+++++	0.02365	19.452	

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 17:00
End Cal Date : 13-OCT-2000 19:30
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.M
Cal Date : 13-Oct-2000 21:20 DONGA
Curve Type : Average

	Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	RRF	% RSD	
	26 Bromochloromethane	0.16248	0.16239	0.15663	0.14748	0.11376	+++++	0.14855	13.724	
	27 Tetrahydrofuran	0.00568	0.01326	0.01510	0.01421	0.01114	+++++	0.01188	31.711	<-
	28 Chloroform (*)	0.80274	0.79476	0.77308	0.74870	0.69296	+++++	0.76245	5.791	
	30 1,1,1-Trichloroethane	0.70831	0.74660	0.75846	0.75013	0.74202	+++++	0.74110	2.604	
	31 Carbon Tetrachloride	+++++	0.71493	0.74104	0.73773	0.72805	0.55470	0.69529	11.398	
	32 1,1-Dichloropropene	0.58222	0.58268	0.57319	0.55465	0.56024	+++++	0.57059	2.233	
	34 1,2-Dichloroethane-d4 2nd	0.04398	0.04856	0.04657	0.04536	0.03568	+++++	0.04403	11.271	
	35 Benzene	0.80780	0.82182	0.81915	0.77812	0.74533	+++++	0.79444	4.087	
	36 1,2-Dichloroethane	+++++	0.35244	0.33705	0.31499	0.25543	0.34468	0.32092	12.211	
	37 Tert-amyl methyl ether	0.42944	0.42620	0.40970	0.41156	0.33946	+++++	0.40327	9.105	
	39 Trichloroethene	0.52815	0.51592	0.50277	0.48801	0.48149	+++++	0.50327	3.831	
	40 1,2-Dichloropropane(*)	0.28774	0.28430	0.28608	0.27461	0.24423	+++++	0.27539	6.591	
	41 Dibromomethane	0.19885	0.20865	0.20724	0.18947	0.13662	+++++	0.18816	15.847	
	42 Bromodichloromethane	0.49216	0.57162	0.58614	0.59751	0.49967	+++++	0.54942	9.058	
	43 2-Chloroethylvinyl ether	+++++	0.00423	0.00503	0.00653	0.00362	+++++	0.00485	25.961	<-
	44 1-Bromo-2-chloroethane	0.24861	0.26164	0.27206	0.28149	0.21454	+++++	0.25567	10.186	
	45 cis-1,3-Dichloropropene	+++++	0.31885	0.33707	0.36203	0.30824	0.22437	0.31011	16.797	
	46 4-Methyl-2-pentanone	0.06595	0.07222	0.07387	0.07007	0.05636	+++++	0.06770	10.333	
	48 Toluene (*)	1.38482	1.42173	1.41791	1.35924	1.38923	+++++	1.39458	1.847	
	49 trans-1,3-Dichloropropene	+++++	0.27269	0.28882	0.33405	0.29669	0.18257	0.27496	20.491	
	50 1,1,2-Trichloroethane	0.24555	0.24456	0.24778	0.23277	0.19897	+++++	0.23393	8.718	
	51 Tetrachloroethene	0.74859	0.75306	0.73460	0.68926	0.71727	+++++	0.72855	3.573	
	52 1,3-Dichloropropane	0.39028	0.39103	0.39896	0.37596	0.32363	+++++	0.37597	8.089	
	53 2-Hexanone	0.08632	0.06126	0.06524	0.06513	0.05362	+++++	0.06631	18.303	
	54 Dibromochloromethane	0.40195	0.48973	0.53259	0.55850	0.49047	+++++	0.49465	12.024	
	55 1,2-Dibromoethane	0.30346	0.32936	0.33945	0.33065	0.28140	+++++	0.31686	7.557	
	57 Chlorobenzene (**)	1.08512	1.10768	1.08767	1.05573	1.02377	+++++	1.07199	3.052	
	58 1,1,1,2-Tetrachloroethane	0.49575	0.55588	0.56949	0.55382	0.51429	+++++	0.53784	5.812	
	59 Ethylbenzene (*)	0.53678	0.53057	0.53365	0.50952	0.53624	+++++	0.52935	2.145	
	60 m,p-Xylenes	0.65367	0.66826	0.66882	0.63135	0.63643	+++++	0.65171	2.678	
M	61 Xylenes (total)	0.63945	0.65324	0.64800	0.61571	0.61753	+++++	0.63479	2.727	
	62 o-Xylene	0.61100	0.62321	0.60638	0.58443	0.57971	+++++	0.60095	3.057	
	63 Styrene	0.85728	0.91567	0.91995	0.87813	0.82064	+++++	0.87833	4.728	

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 17:00
End Cal Date : 13-OCT-2000 19:30
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.M
Cal Date : 13-Oct-2000 21:20 DONGA
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	50.000 Level 4	100.000 Level 5	0.50000 Level 6	RRF	% RSD	
64 Bromoform (**)	0.19290	0.26492	0.29249	0.32388	0.28250	+++++	0.27134	17.985	
65 Isopropylbenzene	2.05959	2.14926	2.13729	2.00208	2.13483	+++++	2.09661	3.035	
67 4-Bromofluorobenzene-2nd	0.67813	0.66370	0.65612	0.55201	0.51027	+++++	0.61205	12.373	
68 Bromobenzene	0.94529	0.92107	0.95433	0.97692	0.99264	+++++	0.95805	2.904	
69 1,1,2,2-Tetrachloroethane(**)	0.46735	0.44798	0.46776	0.47733	0.43752	+++++	0.45959	3.548	
70 1,2,3-Trichloropropane	0.11090	0.12127	0.12831	0.12960	0.11728	+++++	0.12147	6.407	
71 n-Propylbenzene	3.57614	3.92424	3.97675	4.14361	4.69307	+++++	4.06276	10.053	
72 2-Chlorotoluene	0.81673	0.79867	0.79228	0.79732	0.85978	+++++	0.81296	3.415	
73 4-Chlorotoluene	0.73369	0.79770	0.79761	0.79448	0.83163	+++++	0.79102	4.486	
74 1,3,5-Trimethylbenzene	2.80071	2.77688	2.74623	2.77804	3.08201	+++++	2.83677	4.881	
75 tert-Butylbenzene	2.97631	3.01819	3.05441	3.08194	3.47642	+++++	3.12145	6.483	
76 1,2,4-Trimethylbenzene	2.70331	2.73289	2.74400	2.72471	2.99103	+++++	2.77919	4.295	
77 sec-Butylbenzene	4.00106	4.02006	4.01515	4.05092	4.72902	+++++	4.16324	7.609	
78 1,3-Dichlorobenzene	1.68534	1.71342	1.67732	1.70132	1.75687	+++++	1.70685	1.832	
80 p-Isopropyltoluene	3.45055	3.43751	3.38603	3.33973	3.71814	+++++	3.46639	4.254	
81 1,4-Dichlorobenzene	1.86500	1.70800	1.73562	1.67203	1.62949	+++++	1.72203	5.185	
82 1,2-Dichlorobenzene	1.39482	1.40406	1.35719	1.38131	1.35502	+++++	1.37848	1.595	
83 n-Butylbenzene	3.27005	3.32819	3.36417	3.36537	3.82423	+++++	3.43040	6.516	
84 1,2-Dibromo-3-chloropropane	0.04309	0.08498	0.09733	0.11561	0.10661	+++++	0.08952	31.644	<-
85 1,2,4-Trichlorobenzene	1.17749	1.21916	1.28077	1.33682	1.32355	+++++	1.26756	5.374	
86 Hexachlorobutadiene	1.60768	1.69716	1.71683	1.68878	1.90892	+++++	1.72387	6.469	
87 Napthalene	0.69860	0.77422	0.87364	0.89743	0.76811	+++++	0.80240	10.211	
88 1,2,3-Trichlorobenzene	0.97684	0.97289	0.96721	0.98031	0.92103	+++++	0.96366	2.524	
$ 29 Dibromofluoromethane	0.59139	0.56739	0.54919	0.51711	0.44416	+++++	0.53385	10.677	
$ 33 1,2-Dichloroethane-d4	0.28092	0.26466	0.26396	0.24358	0.19544	+++++	0.24971	13.257	
$ 47 Toluene-d8	1.15639	1.09578	1.09375	1.04503	1.03958	+++++	1.08611	4.354	
$ 66 4-Bromofluorobenzene	0.78314	0.78619	0.77187	0.66377	0.60894	+++++	0.72278	11.265	

INITIAL CALIBRATION REPORT

Instrument ID: mc.i
Lab File ID: CS2049.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 19:30
Lab Sample ID: 100PPB 8260BSTD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL

COMPOUND	%RSD
Dichlorodifluoromethane	3.3
Chloromethane (**)	6.2
Vinyl chloride (*)	4.9
Bromomethane	7.1
Chloroethane	7.9
Trichlorofluoromethane	2.3
1,1-Dichloroethene(*)	3.3
1,1,2-Trichlorotrifluoroethan	3.8
Acetone	33.5
Iodomethane	16.0
Carbon disulfide	8.1
Methylene chloride	5.1
t-Butanol	16.4
trans-1,2-Dichloroethene	2.2
Methyl-tert-butyl ether[MTBE]	12.4
Acrolein	4.3
1,1-Dichloroethane (**)	1.7
Vinyl acetate	3.5
Isopropyl ether	3.8
1,2-Dichloroethene (total)	4.4
Tert-butyl ethyl ether	4.6
cis-1,2-Dichloroethene	8.3
2,2-Dichloropropane	38.7
2-Butanone	19.5
Bromochloromethane	13.7
Tetrahydrofuran	31.7
Chloroform (*)	5.8
Dibromofluoromethane	10.7
1,1,1-Trichloroethane	2.6
1,1-Dichloropropene	2.2
Carbon Tetrachloride	11.4
Acrylonitrile	17.2
1,2-Dichloroethane-d4 2nd	11.3
1,2-Dichloroethane-d4	13.3
Benzene	4.1
1,2-Dichloroethane	12.2
Tert-amyl methyl ether	9.1
Trichloroethene	3.8
1,2-Dichloropropane(*)	6.6

Data File: \\SANP2010\D\chem\mc.i\1013BC.B/CS2049.D
Report Date: 10/13/2000

INITIAL CALIBRATION REPORT

Instrument ID: mc.i
Lab File ID: CS2049.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 19:30
Lab Sample ID: 100PPB 8260BSTD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\

COMPOUND	%RSD
Dibromomethane	15.8
Bromodichloromethane	9.1
1-Bromo-2-chloroethane	10.2
2-Chloroethylvinyl ether	26.0
cis-1,3-Dichloropropene	16.8
4-Methyl-2-pentanone	10.3
Toluene-d8	4.4
Toluene (*)	1.8
trans-1,3-Dichloropropene	20.5
1,1,2-Trichloroethane	8.7
Tetrachloroethene	3.6
1,3-Dichloropropane	8.1
2-Hexanone	18.3
Dibromochloromethane	12.0
1,2-Dibromoethane	7.6
Chlorobenzene (**)	3.1
1,1,1,2-Tetrachloroethane	5.8
Ethylbenzene (*)	2.1
Xylenes (total)	2.7
m,p-Xylenes	2.7
o-Xylene	3.1
Styrene	4.7
Bromoform (**)	18.0
Isopropylbenzene	3.0
4-Bromofluorobenzene	11.3
4-Bromofluorobenzene-2nd	12.4
Bromobenzene	2.9
1,1,2,2-Tetrachloroethane(**)	3.5
1,2,3-Trichloropropane	6.4
n-Propylbenzene	10.1
2-Chlorotoluene	3.4
4-Chlorotoluene	4.5
1,3,5-Trimethylbenzene	4.9
tert-Butylbenzene	6.5
1,2,4-Trimethylbenzene	4.3
sec-Butylbenzene	7.6
1,3-Dichlorobenzene	1.8
p-Isopropyltoluene	4.3
1,4-Dichlorobenzene	5.2

Data File: \\SANP2010\D\chem\mc.i\1013BC.B/CS2049.D
Report Date: 10/13/2000

INITIAL CALIBRATION REPORT

Instrument ID: mc.i
Lab File ID: CS2049.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 19:30
Lab Sample ID: 100PPB 8260BSTD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\

COMPOUND	%RSD
1,2-Dichlorobenzene	1.6
n-Butylbenzene	6.5
1,2-Dibromo-3-chloropropane	31.6
1,2,4-Trichlorobenzene	5.4
Hexachlorobutadiene	6.5
Napthalene	10.2
1,2,3-Trichlorobenzene	2.5

The average of all %RSD's in the initial calibration is 8.8

10/13/2000
10-16-00

STL Los Angeles

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CT1204.D
Lab Smp Id:
Inj Date : 13-OCT-2000 16:44
Operator : AD Inst ID: mc.i
Smp Info : 50NG BFB,BFB,,,,,,BFB.M
Misc Info : 1UL;MSVOA1198-2,,,,3,ALL.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\BFB.M
Meth Date : 23-May-2000 08:08 kentf 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: 4.00 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI

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

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 p-Bromofluorobenzene						CAS #: 460-00-4		
2.1451	2.1000	(0.000)	95	81802			0.00- 100.00	100.00
2.1451	2.1000	(0.000)	50	19304			15.00- 40.00	23.60
2.1451	2.1000	(0.000)	75	42832			30.00- 60.00	52.36
2.1451	2.1000	(0.000)	96	6113			5.00- 9.00	7.47
2.1451	2.1000	(0.000)	173	0			0.00- 2.00	0.00
2.1451	2.1000	(0.000)	174	70997			50.00- 0.00	86.79
2.1451	2.1000	(0.000)	175	5608			5.00- 9.00	7.90
2.1451	2.1000	(0.000)	176	69992			95.00- 101.00	98.58
2.1451	2.1000	(0.000)	177	4761			5.00- 9.00	6.80

AM 10/13/2000
10-16-00

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CT1204.D

Date : 13-OCT-2000 16:44

Client ID:

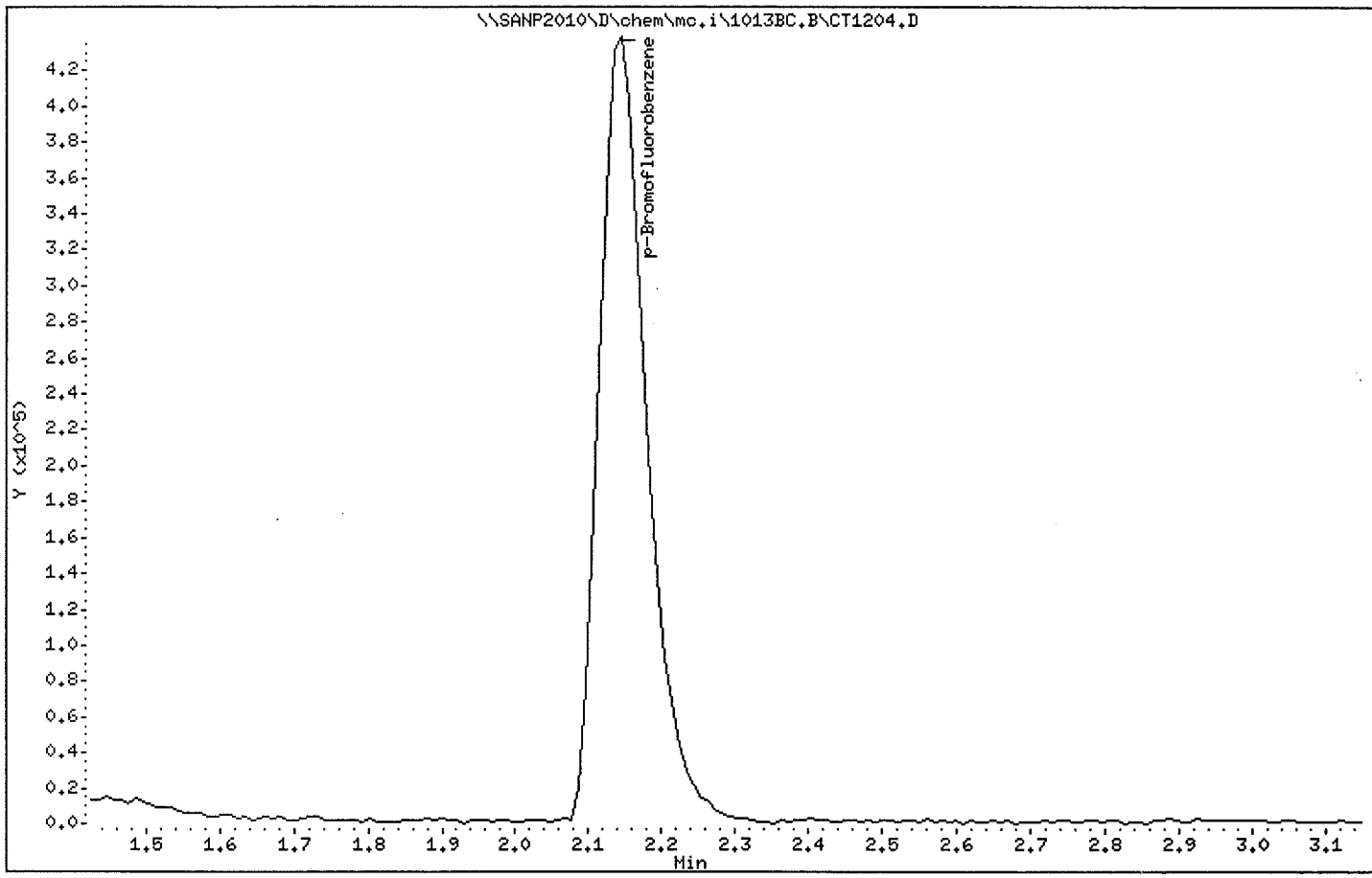
Instrument: mc.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CT1204.D

Date : 13-OCT-2000 16:44

Client ID:

Instrument: mc.i

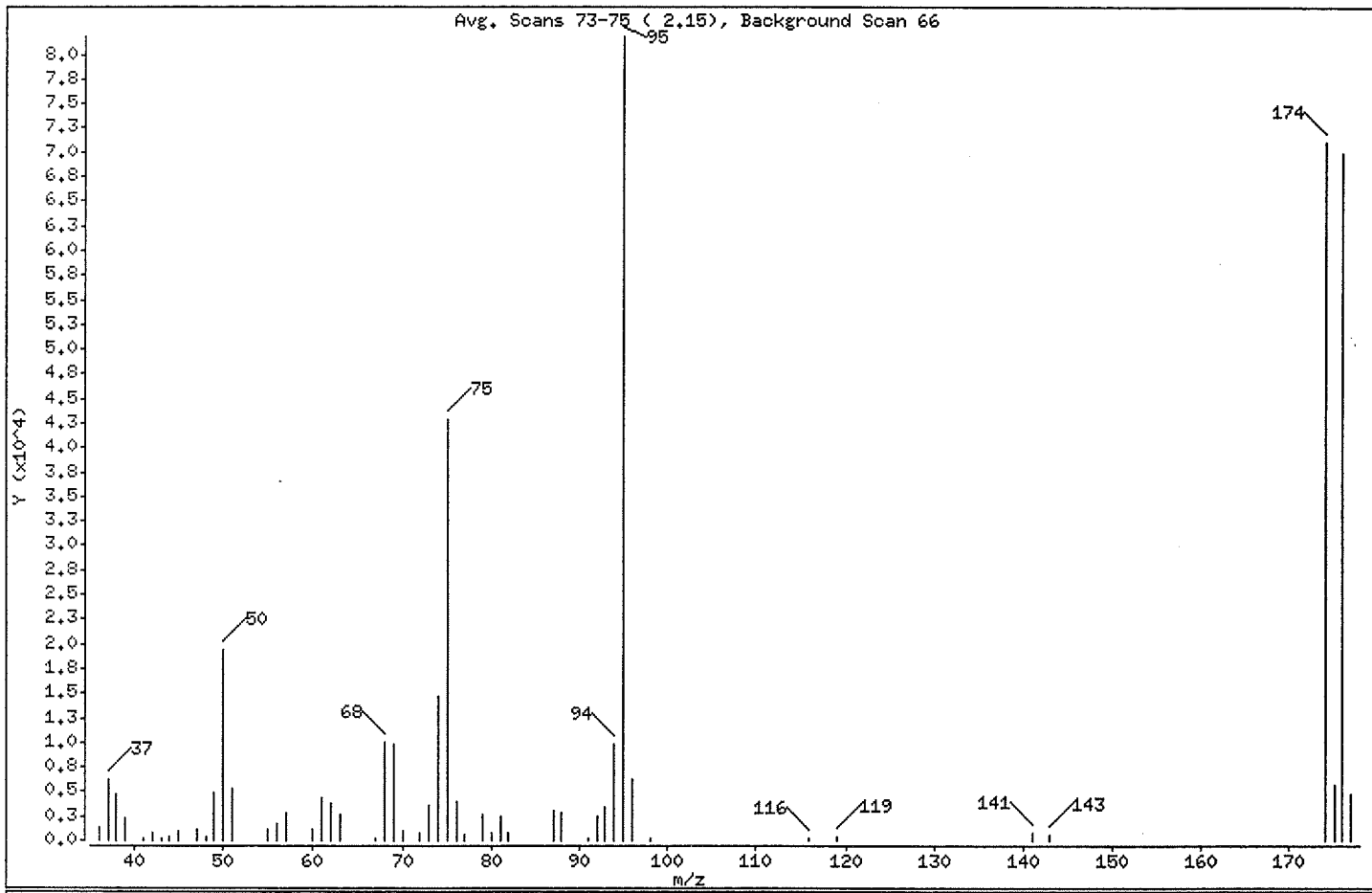
Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

1 p-Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.60
75	30.00 - 60.00% of mass 95	52.36
96	5.00 - 9.00% of mass 95	7.47
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	86.79
175	5.00 - 9.00% of mass 174	6.86 (7.90)
176	95.00 - 101.00% of mass 174	85.56 (98.58)
177	5.00 - 9.00% of mass 176	5.82 (6.80)

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CT1204.D

Date : 13-OCT-2000 16:44

Client ID:

Instrument: mc.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Data File: CT1204.D
Spectrum: Avg. Scans 73-75 (2.15), Background Scan 66
Location of Maximum: 95.00
Number of points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1303	55.00	1201	75.00	42832	96.00	6113
37.00	6152	56.00	1614	76.00	3943	98.00	192
38.00	4611	57.00	2913	77.00	618	116.00	204
39.00	2188	60.00	1051	79.00	2659	119.00	375
41.00	190	61.00	4355	80.00	793	141.00	707
42.00	731	62.00	3845	81.00	2466	143.00	598
43.00	173	63.00	2592	82.00	715	174.00	70992
44.00	325	67.00	171	87.00	2946	175.00	5608
45.00	1021	68.00	9886	88.00	2816	176.00	69992
47.00	1175	69.00	9757	91.00	252	177.00	4761
48.00	394	70.00	912	92.00	2403		
49.00	4956	72.00	718	93.00	3349		
50.00	19304	73.00	3613	94.00	9815		
51.00	5314	74.00	14592	95.00	81800		

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2044.D
Lab Smp Id: 0.5PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1611523	805762	3223046	1659284	2.96
56 Chlorobenzene-d5	1211181	605591	2422362	1212914	0.14
79 1,4-Dichlorobenze	758273	379137	1516546	733740	-3.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.02	0.05
56 Chlorobenzene-d5	13.49	12.99	13.99	13.50	0.10
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.13	0.07

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

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2045.D
Lab Smp Id: 1PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1611523	805762	3223046	1638508	1.67
56 Chlorobenzene-d5	1211181	605591	2422362	1235021	1.97
79 1,4-Dichlorobenze	758273	379137	1516546	763117	0.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.03	0.12
56 Chlorobenzene-d5	13.49	12.99	13.99	13.49	-0.00
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.12	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 Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2046.D
Lab Smp Id: 5PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1611523	805762	3223046	1613881	0.15
56 Chlorobenzene-d5	1211181	605591	2422362	1216119	0.41
79 1,4-Dichlorobenze	758273	379137	1516546	775010	2.21

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.02	0.00
56 Chlorobenzene-d5	13.49	12.99	13.99	13.48	-0.07
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.12	0.06

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

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2047.D
Lab Smp Id: 10PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1611523	805762	3223046	1611523	0.00
56 Chlorobenzene-d5	1203388	601694	2406776	1203388	0.00
79 1,4-Dichlorobenze	755803	377902	1511606	755803	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.02	0.00
56 Chlorobenzene-d5	13.49	12.99	13.99	13.49	0.00
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.11	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 Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2048.D
Lab Smp Id: 50PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 20:31

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1662289	831145	3324578	1579493	-4.98
56 Chlorobenzene-d5	1178377	589189	2356754	1124179	-4.60
79 1,4-Dichlorobenze	708111	354056	1416222	650788	-8.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.02	-0.02
56 Chlorobenzene-d5	13.49	12.99	13.99	13.48	-0.08
79 1,4-Dichlorobenze	18.12	17.62	18.62	18.12	-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.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2049.D
Lab Smp Id: 100PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 20:31

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1662289	831145	3324578	1325546	-20.26
56 Chlorobenzene-d5	1178377	589189	2356754	894739	-24.07
79 1,4-Dichlorobenze	708111	354056	1416222	466527	-34.12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.05	0.34
56 Chlorobenzene-d5	13.49	12.99	13.99	13.50	0.06
79 1,4-Dichlorobenze	18.12	17.62	18.62	18.13	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 Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2044.D
Lab Smp Id: 0.5PPB 8260BSTD
Inj Date : 13-OCT-2000 17:00
Operator : AD Inst ID: mc.i
Smp Info : 0.5PPB 8260BSTD,,,6,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:16 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 17:00 Cal File: CS2044.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.853	1.860	(0.231)	37348	0.50000	0.471(a)
2 Chloromethane (**)	50	2.031	2.086	(0.253)	1574	0.50000	0.104(a)
3 Vinyl chloride (*)	62	2.149	2.155	(0.268)	16333	0.50000	0.462(a)
4 Bromomethane	94	2.504	2.481	(0.312)	18557	0.50000	0.497(a)
5 Chloroethane	64	2.612	2.589	(0.326)	8182	0.50000	0.358(a)
6 Trichlorofluoromethane	101	2.888	2.904	(0.360)	61817	0.50000	0.469(a)
7 Acrolein	56	5.017	5.043	(0.625)	10832	0.50000	3.76(a)
8 1,1-Dichloroethene(*)	96	3.509	3.515	(0.437)	21730	0.50000	0.468(a)
9 1,1,2-Trichlorotrifluoroethan	151	3.499	3.545	(0.436)	35814	0.50000	0.453(a)
10 Iodomethane	142	3.687	3.703	(0.459)	51593	0.50000	0.608(a)
11 Acetone	43	3.568	3.575	(0.445)	16311	0.50000	4.69(a)
12 Carbon disulfide	76	3.785	3.801	(0.472)	35100	0.50000	0.293(a)
13 Methylene chloride	84	4.150	4.176	(0.517)	6421	0.50000	0.170(a)
16 Vinyl acetate	43	5.352	5.368	(0.667)	47580	0.50000	1.04(a)
17 trans-1,2-Dichloroethene	96	4.564	4.590	(0.569)	18337	0.50000	0.338(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18 Methyl-tert-butyl ether[MTBE]	73	4.593	4.619	(0.573)	17645	0.50000	0.371(a)
	19 1,1-Dichloroethane (**)	63	5.165	5.220	(0.644)	37493	0.50000	0.430(a)
	20 Isopropyl ether	45	5.342	5.398	(0.666)	31089	0.50000	0.268(a)
	21 Tert-butyl ethyl ether	59	5.963	5.970	(0.743)	24505	0.50000	0.263(a)
M	22 1,2-Dichloroethene (total)	100				42529	0.50000	0.812(a)
	24 cis-1,2-Dichloroethene	96	6.091	6.147	(0.759)	24192	0.50000	0.475(a)
	25 2-Butanone	43	6.170	6.167	(0.769)	7580	0.50000	1.92(a)
	26 Bromochloromethane	128	6.466	6.511	(0.806)	4941	0.50000	0.200(a)
	28 Chloroform (*)	83	6.643	6.669	(0.828)	65111	0.50000	0.515
$	29 Dibromofluoromethane	111	6.900	6.926	(0.860)	39632	0.50000	0.447(a)
	30 1,1,1-Trichloroethane	97	6.910	6.965	(0.861)	51068	0.50000	0.415(a)
	31 Carbon Tetrachloride	117	7.215	7.251	(0.899)	46020	0.50000	0.399(a)
	32 1,1-Dichloropropene	75	7.186	7.241	(0.896)	44120	0.50000	0.465(a)
	34 1,2-Dichloroethane-d4 2nd	102	7.452	7.458	(0.929)	1643	0.50000	0.225(a)
	35 Benzene	78	7.530	7.576	(0.939)	65850	0.50000	0.500
	36 1,2-Dichloroethane	62	7.550	7.596	(0.941)	28596	0.50000	0.535(a)
	37 Tert-amyl methyl ether	73	7.816	7.822	(0.974)	30592	0.50000	0.457(a)
*	38 Fluorobenzene	96	8.023	8.049	(1.000)	1659284	10.0000	
	39 Trichloroethene	130	8.664	8.690	(1.080)	37809	0.50000	0.453(a)
	40 1,2-Dichloropropane(*)	63	9.028	9.044	(1.125)	20445	0.50000	0.447(a)
	41 Dibromomethane	93	9.226	9.242	(1.150)	13851	0.50000	0.444(a)
	42 Bromodichloromethane	83	9.531	9.547	(1.188)	38072	0.50000	0.418(a)
	44 1-Bromo-2-chloroethane	63	10.034	10.069	(1.251)	7218	0.50000	0.170(a)
	45 cis-1,3-Dichloropropene	75	10.339	10.355	(1.289)	18615	0.50000	0.362(a)
	46 4-Methyl-2-pentanone	43	10.665	10.661	(1.329)	16535	0.50000	1.47(a)
$	47 Toluene-d8	98	10.803	10.848	(0.800)	19232	0.50000	0.146(a)
	49 trans-1,3-Dichloropropene	75	11.364	11.380	(0.842)	11072	0.50000	0.332(a)
	50 1,1,2-Trichloroethane	97	11.699	11.696	(0.866)	12463	0.50000	0.440(a)
	51 Tetrachloroethene	164	11.956	11.972	(0.885)	24018	0.50000	0.300(a)
	52 1,3-Dichloropropane	76	11.985	11.991	(0.888)	22838	0.50000	0.500(a)
	53 2-Hexanone	43	12.222	12.198	(0.905)	19308	0.50000	2.88(a)
	54 Dibromochloromethane	129	12.389	12.405	(0.918)	21063	0.50000	0.351(a)
	55 1,2-Dibromoethane	107	12.577	12.583	(0.931)	15632	0.50000	0.406(a)
*	56 Chlorobenzene-d5	117	13.503	13.499	(1.000)	1212914	10.0000	
	57 Chlorobenzene (**)	112	13.542	13.549	(1.003)	61620	0.50000	0.474(a)
	58 1,1,1,2-Tetrachloroethane	131	13.730	13.726	(1.017)	20910	0.50000	0.320(a)
	59 Ethylbenzene (*)	106	13.809	13.815	(1.023)	29025	0.50000	0.452(a)
	60 m,p-Xylenes	106	14.035	14.051	(1.039)	76309	0.50000	0.965(a)
M	61 Xylenes (total)	100				109596	0.50000	1.42
	62 o-Xylene	106	14.794	14.790	(1.096)	33286	0.50000	0.457(a)
	63 Styrene	104	14.824	14.830	(1.098)	46645	0.50000	0.438(a)
	64 Bromoform (**)	173	15.129	15.125	(1.120)	8911	0.50000	0.270(a)
	65 Isopropylbenzene	105	15.543	15.549	(1.151)	116152	0.50000	0.456(a)
$	66 4-Bromofluorobenzene	95	15.809	15.806	(1.171)	46871	0.50000	0.534(a)
	67 4-Bromofluorobenzene-2nd	174	15.819	15.815	(1.172)	37295	0.50000	0.502(a)
	68 Bromobenzene	156	16.056	16.062	(0.886)	33792	0.50000	0.481(a)
	69 1,1,2,2-Tetrachloroethane(**)	83	16.134	16.141	(0.890)	15772	0.50000	0.468(a)

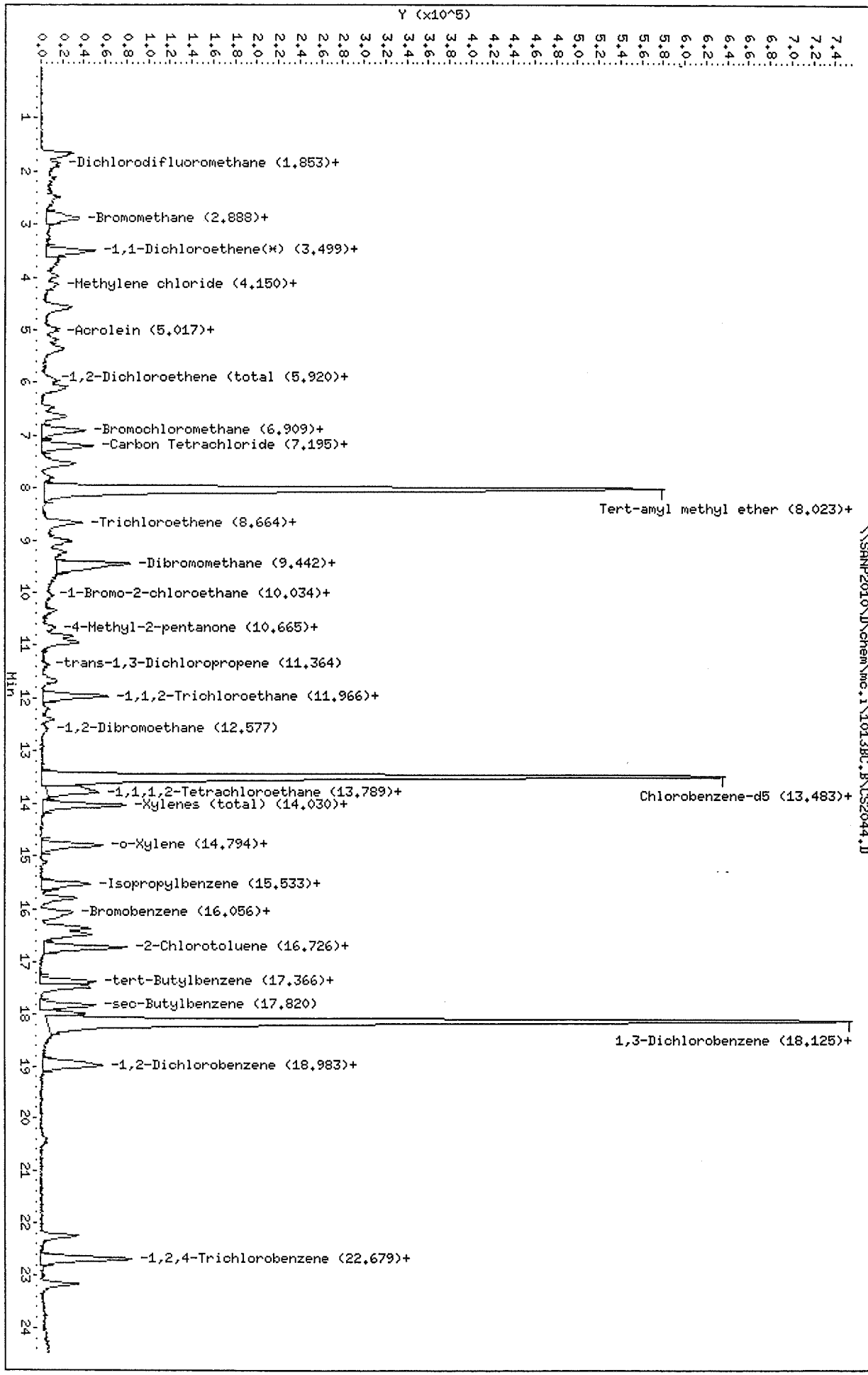
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
70 1,2,3-Trichloropropane	110	16.174	16.180	(0.892)	4463	0.50000	0.502(a)
71 n-Propylbenzene	91	16.371	16.377	(0.903)	125476	0.50000	0.431(a)
72 2-Chlorotoluene	126	16.479	16.495	(0.909)	27695	0.50000	0.466(a)
73 4-Chlorotoluene	126	16.716	16.712	(0.922)	26235	0.50000	0.452(a)
74 1,3,5-Trimethylbenzene	105	16.736	16.752	(0.923)	94766	0.50000	0.456(a)
75 tert-Butylbenzene	119	17.376	17.392	(0.959)	100894	0.50000	0.441(a)
76 1,2,4-Trimethylbenzene	105	17.485	17.491	(0.965)	95182	0.50000	0.467(a)
77 sec-Butylbenzene	105	17.820	17.836	(0.983)	136013	0.50000	0.447(a)
78 1,3-Dichlorobenzene	146	17.997	17.994	(0.993)	64648	0.50000	0.517(a)
* 79 1,4-Dichlorobenzene-d4	152	18.125	18.131	(1.000)	733740	10.0000	
80 p-Isopropyltoluene	119	18.155	18.151	(1.002)	115761	0.50000	0.456(a)
81 1,4-Dichlorobenzene	146	18.155	19.679	(1.002)	69617	0.50000	1.48
82 1,2-Dichlorobenzene	146	18.904	18.910	(1.043)	53836	0.50000	0.533(a)
83 n-Butylbenzene	91	18.983	18.989	(1.047)	108136	0.50000	0.430(a)
85 1,2,4-Trichlorobenzene	180	22.245	22.251	(1.227)	47820	0.50000	0.515(a)
86 Hexachlorobutadiene	225	22.659	22.675	(1.250)	61941	0.50000	0.490(a)
87 Napthalene	128	22.708	22.714	(1.253)	35001	0.50000	0.595(a)
88 1,2,3-Trichlorobenzene	180	23.152	23.158	(1.277)	45052	0.50000	0.638(a)

QC Flag Legend

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

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2044.D
Date : 13-OCT-2000 17:00
Client ID:
Sample Info: 0.5PPB 8260BSTD,,6.0,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2045.D
Lab Smp Id: 1PPB 8260BSTD
Inj Date : 13-OCT-2000 17:30
Operator : AD Inst ID: mc.i
Smp Info : 1PPB 8260BSTD,,,1,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:16 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 17:00 Cal File: CS2044.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.850	1.850	(0.230)	81353	1.00000	1.04
2 Chloromethane (**)	50	2.116	2.116	(0.264)	30477	1.00000	1.54(M)
3 Vinyl chloride (*)	62	2.145	2.145	(0.267)	36422	1.00000	1.04
4 Bromomethane	94	2.471	2.471	(0.308)	36557	1.00000	0.991(a)
5 Chloroethane	64	2.589	2.589	(0.322)	23233	1.00000	1.03
6 Trichlorofluoromethane	101	2.894	2.894	(0.360)	132590	1.00000	1.02
7 Acrolein	56	5.013	5.013	(0.624)	27630	10.0000	9.70(a)
8 1,1-Dichloroethene(*)	96	3.476	3.476	(0.433)	48815	1.00000	1.04(M)
9 1,1,2-Trichlorotrifluoroethan	151	3.515	3.515	(0.438)	81034	1.00000	1.04
10 Iodomethane	142	3.683	3.683	(0.459)	134200	2.00000	1.60(a)
11 Acetone	43	3.545	3.545	(0.441)	25441	5.00000	7.41(a)
12 Carbon disulfide	76	3.762	3.762	(0.469)	81826	1.00000	0.693(a)
13 Methylene chloride	84	4.146	4.146	(0.516)	38290	1.00000	1.03
14 Acrylonitrile	53	7.418	7.418	(0.924)	3593	10.0000	7.56(aM)
15 t-Butanol	59	4.590	4.590	(0.572)	3994	4.00000	5.51(aM)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 Vinyl acetate	43	5.368	5.368	(0.669)	96457	2.00000	1.95(aM)
	17 trans-1,2-Dichloroethene	96	4.560	4.560	(0.568)	52917	1.00000	0.986(a)
	18 Methyl-tert-butyl ether[MTBE]	73	4.580	4.580	(0.570)	51137	1.00000	1.09
	19 1,1-Dichloroethane (**)	63	5.181	5.181	(0.645)	84191	1.00000	0.979(a)
	20 Isopropyl ether	45	5.368	5.368	(0.669)	119379	1.00000	1.04
	21 Tert-butyl ethyl ether	59	5.960	5.960	(0.742)	92565	1.00000	1.01
M	22 1,2-Dichloroethene (total)	100				96238	2.00000	1.85
	23 2,2-Dichloropropane	77	6.107	6.107	(0.761)	27530	1.00000	0.528(a)
	24 cis-1,2-Dichloroethene	96	6.098	6.098	(0.759)	43321	1.00000	0.861(a)
	25 2-Butanone	43	6.147	6.147	(0.766)	24721	5.00000	6.34(a)
	26 Bromochloromethane	128	6.462	6.462	(0.805)	26623	1.00000	1.09
	27 Tetrahydrofuran	42	6.590	6.590	(0.821)	930	1.00000	0.477(aM)
	28 Chloroform (*)	83	6.620	6.620	(0.824)	131530	1.00000	1.05
$	29 Dibromofluoromethane	111	6.886	6.886	(0.858)	96900	1.00000	1.11
	30 1,1,1-Trichloroethane	97	6.916	6.916	(0.861)	116057	1.00000	0.956(a)
	31 Carbon Tetrachloride	117	7.201	7.201	(0.897)	103257	1.00000	0.906(a)
	32 1,1-Dichloropropene	75	7.192	7.192	(0.896)	95397	1.00000	1.02
$	33 1,2-Dichloroethane-d4	65	7.438	7.438	(0.926)	46029	1.00000	1.12
	34 1,2-Dichloroethane-d4 2nd	102	7.438	7.438	(0.926)	7206	1.00000	0.999(a)
	35 Benzene	78	7.537	7.537	(0.939)	132359	1.00000	1.02
	36 1,2-Dichloroethane	62	7.546	7.546	(0.940)	59334	1.00000	1.12
	37 Tert-amyl methyl ether	73	7.813	7.813	(0.973)	70364	1.00000	1.06
*	38 Fluorobenzene	96	8.029	8.029	(1.000)	1638508	10.0000	
	39 Trichloroethene	130	8.670	8.670	(1.080)	86538	1.00000	1.05
	40 1,2-Dichloropropane(*)	63	9.025	9.025	(1.124)	47147	1.00000	1.04
	41 Dibromomethane	93	9.212	9.212	(1.147)	32581	1.00000	1.06
	42 Bromodichloromethane	83	9.537	9.537	(1.188)	80641	1.00000	0.896(a)
	44 1-Bromo-2-chloroethane	63	10.040	10.040	(1.250)	40735	1.00000	0.972(a)
	45 cis-1,3-Dichloropropene	75	10.336	10.336	(1.287)	47298	1.00000	0.932(a)
	46 4-Methyl-2-pentanone	43	10.661	10.661	(1.328)	54029	5.00000	4.87(a)
$	47 Toluene-d8	98	10.818	10.818	(0.802)	142817	1.00000	1.06
	48 Toluene (*)	91	10.947	10.947	(0.811)	171028	1.00000	0.992(a)
	49 trans-1,3-Dichloropropene	75	11.370	11.370	(0.843)	28216	1.00000	0.844(a)
	50 1,1,2-Trichloroethane	97	11.686	11.686	(0.866)	30326	1.00000	1.05
	51 Tetrachloroethene	164	11.972	11.972	(0.887)	92452	1.00000	1.03(M)
	52 1,3-Dichloropropane	76	11.991	11.991	(0.889)	48201	1.00000	1.04
	53 2-Hexanone	43	12.218	12.218	(0.906)	53301	5.00000	6.50(aM)
	54 Dibromochloromethane	129	12.395	12.395	(0.919)	49642	1.00000	0.812(a)
	55 1,2-Dibromoethane	107	12.583	12.583	(0.933)	37478	1.00000	0.957(a)
*	56 Chlorobenzene-d5	117	13.489	13.489	(1.000)	1235021	10.0000	
	57 Chlorobenzene (**)	112	13.539	13.539	(1.004)	134015	1.00000	1.01
	58 1,1,1,2-Tetrachloroethane	131	13.716	13.716	(1.017)	61226	1.00000	0.921(a)
	59 Ethylbenzene (*)	106	13.805	13.805	(1.023)	66294	1.00000	1.01
	60 m,p-Xylenes	106	14.031	14.031	(1.040)	161460	2.00000	2.00
M	61 Xylenes (total)	100				236920	3.00000	3.02
	62 o-Xylene	106	14.771	14.771	(1.095)	75460	1.00000	1.02
	63 Styrene	104	14.810	14.810	(1.098)	105876	1.00000	0.976(a)

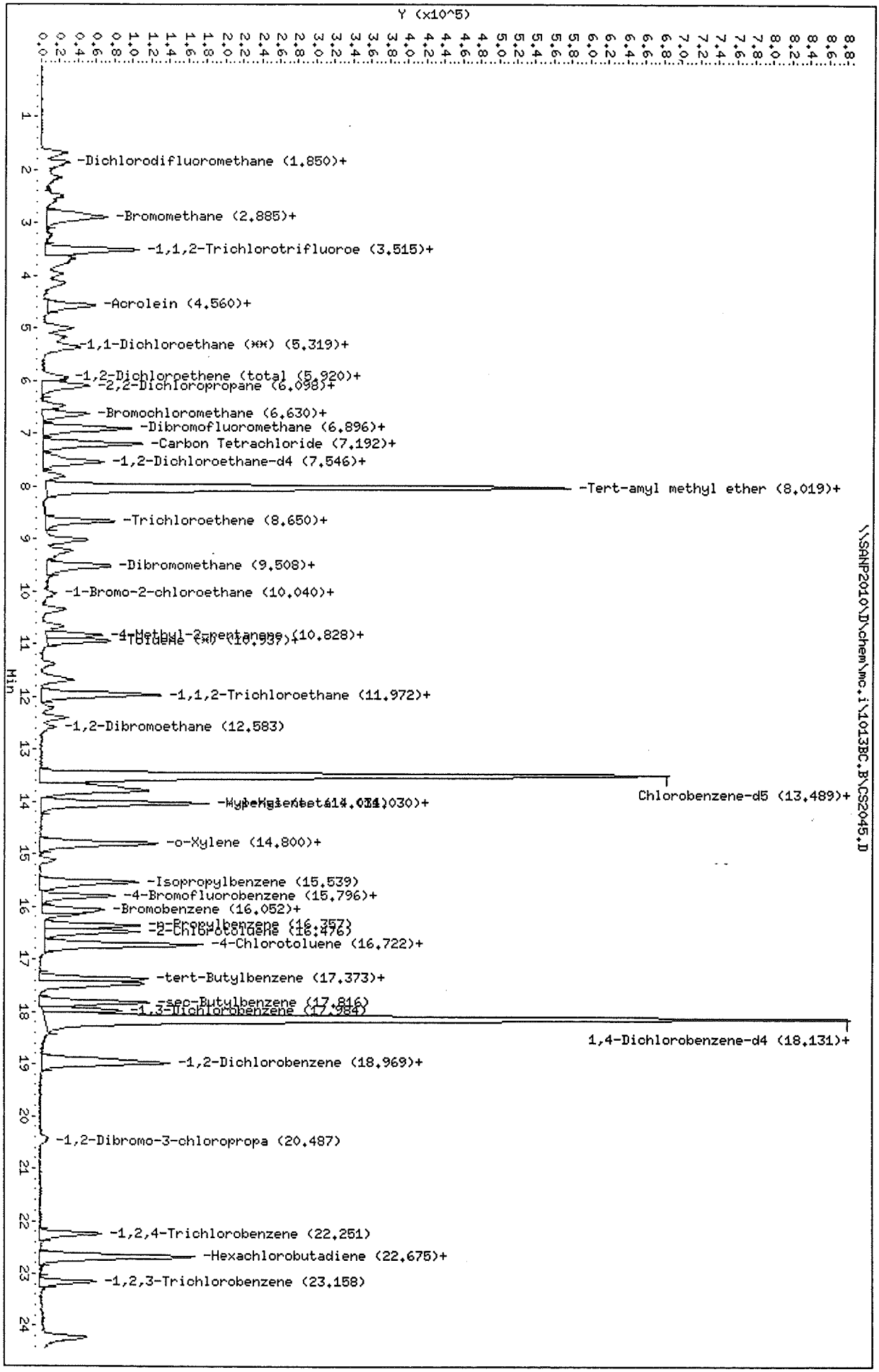
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
64 Bromoform (**)	173	15.106	15.106	(1.120)	23824	1.00000	0.710(a)
65 Isopropylbenzene	105	15.530	15.530	(1.151)	254364	1.00000	0.982(a)
$ 66 4-Bromofluorobenzene	95	15.806	15.806	(1.172)	96720	1.00000	1.08
67 4-Bromofluorobenzene-2nd	174	15.796	15.796	(1.171)	83751	1.00000	1.11
68 Bromobenzene	156	16.052	16.052	(0.886)	72137	1.00000	0.988(a)
69 1,1,2,2-Tetrachloroethane(**)	83	16.131	16.131	(0.890)	35664	1.00000	1.02
70 1,2,3-Trichloropropane	110	16.180	16.180	(0.893)	8463	1.00000	0.916(a)
71 n-Propylbenzene	91	16.357	16.357	(0.903)	272901	1.00000	0.900(a)
72 2-Chlorotoluene	126	16.486	16.486	(0.910)	62326	1.00000	1.01
73 4-Chlorotoluene	126	16.693	16.693	(0.921)	55989	1.00000	0.929(a)
74 1,3,5-Trimethylbenzene	105	16.732	16.732	(0.923)	213727	1.00000	0.990(a)
75 tert-Butylbenzene	119	17.363	17.363	(0.958)	227127	1.00000	0.954(a)
76 1,2,4-Trimethylbenzene	105	17.481	17.481	(0.965)	206294	1.00000	0.974(a)
77 sec-Butylbenzene	105	17.816	17.816	(0.983)	305328	1.00000	0.965(a)
78 1,3-Dichlorobenzene	146	17.974	17.974	(0.992)	128611	1.00000	0.988(a)
* 79 1,4-Dichlorobenzene-d4	152	18.122	18.122	(1.000)	763117	10.0000	
80 p-Isopropyltoluene	119	18.151	18.151	(1.002)	263317	1.00000	0.997(a)
81 1,4-Dichlorobenzene	146	18.181	18.181	(1.003)	142321	1.00000	2.91
82 1,2-Dichlorobenzene	146	18.910	18.910	(1.044)	106441	1.00000	1.01
83 n-Butylbenzene	91	18.969	18.969	(1.047)	249543	1.00000	0.954(a)
84 1,2-Dibromo-3-chloropropane	157	20.487	20.487	(1.131)	3288	1.00000	0.482(a)
85 1,2,4-Trichlorobenzene	180	22.251	22.251	(1.228)	89856	1.00000	0.930(a)
86 Hexachlorobutadiene	225	22.655	22.655	(1.250)	122685	1.00000	0.934(a)
87 Napthalene	128	22.744	22.744	(1.255)	53311	1.00000	0.872(a)
88 1,2,3-Trichlorobenzene	180	23.158	23.158	(1.278)	74544	1.00000	1.01

QC Flag Legend

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

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2045.D
Date : 13-OCT-2000 17:30
Client ID:
Sample Info: 1PPB 8260BSTD,,1.0,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2046.D
Lab Smp Id: 5PPB 8260BSTD
Inj Date : 13-OCT-2000 18:00
Operator : AD Inst ID: mc.i
Smp Info : 5PPB 8260BSTD,,,2,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:16 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 17:00 Cal File: CS2044.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	
1 Dichlorodifluoromethane	85	1.850	1.850	(0.231)	394688	5.00000	5.12	
2 Chloromethane (**)	50	2.097	2.097	(0.261)	140493	5.00000	5.84(M)	M 10/13/2000
3 Vinyl chloride (*)	62	2.146	2.146	(0.268)	178241	5.00000	5.18	
4 Bromomethane	94	2.471	2.471	(0.308)	166715	5.00000	4.59	
5 Chloroethane	64	2.599	2.599	(0.324)	118221	5.00000	5.32	
6 Trichlorofluoromethane	101	2.895	2.895	(0.361)	655956	5.00000	5.11	
7 Acrolein	56	5.004	5.004	(0.624)	141040	50.0000	50.28	
8 1,1-Dichloroethene(*)	96	3.496	3.496	(0.436)	226795	5.00000	4.91	
9 1,1,2-Trichlorotrifluoroethan	151	3.506	3.506	(0.437)	396783	5.00000	5.16	
10 Iodomethane	142	3.674	3.674	(0.458)	894569	10.0000	10.83	
11 Acetone	43	3.545	3.545	(0.442)	93512	25.0000	27.66	M 10/13/2000
12 Carbon disulfide	76	3.772	3.772	(0.470)	444371	5.00000	4.00(M)	
13 Methylene chloride	84	4.137	4.137	(0.516)	189640	5.00000	5.16	
14 Acrylonitrile	53	7.428	7.428	(0.926)	27846	50.0000	59.48	
15 t-Butanol	59	4.403	4.403	(0.549)	18303	20.0000	21.71(aM)	M 10/13/2000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 Vinyl acetate	43	5.339	5.339	(0.666)	502778	10.0000	10.33
	17 trans-1,2-Dichloroethene	96	4.551	4.551	(0.567)	268891	5.00000	5.09
	18 Methyl-tert-butyl ether[MTBE]	73	4.580	4.580	(0.571)	246332	5.00000	5.33
	19 1,1-Dichloroethane (**)	63	5.172	5.172	(0.645)	430193	5.00000	5.08
	20 Isopropyl ether	45	5.378	5.378	(0.671)	577512	5.00000	5.12
	21 Tert-butyl ethyl ether	59	5.950	5.950	(0.742)	467839	5.00000	5.17
M	22 1,2-Dichloroethene (total)	100				529326	10.0000	10.34
	23 2,2-Dichloropropane	77	6.088	6.088	(0.759)	200908	5.00000	3.92
	24 cis-1,2-Dichloroethene	96	6.098	6.098	(0.760)	260435	5.00000	5.25
	25 2-Butanone	43	6.137	6.137	(0.765)	103033	25.0000	26.84
	26 Bromochloromethane	128	6.473	6.473	(0.807)	131036	5.00000	5.46
	27 Tetrahydrofuran	42	6.620	6.620	(0.825)	10701	5.00000	5.57
	28 Chloroform (*)	83	6.630	6.630	(0.827)	641328	5.00000	5.21
$	29 Dibromofluoromethane	111	6.896	6.896	(0.860)	457848	5.00000	5.31
	30 1,1,1-Trichloroethane	97	6.916	6.916	(0.862)	602459	5.00000	5.04
	31 Carbon Tetrachloride	117	7.202	7.202	(0.898)	576910	5.00000	5.14
	32 1,1-Dichloropropene	75	7.192	7.192	(0.897)	470185	5.00000	5.09
$	33 1,2-Dichloroethane-d4	65	7.428	7.428	(0.926)	213562	5.00000	5.30
	34 1,2-Dichloroethane-d4 2nd	102	7.448	7.448	(0.929)	39182	5.00000	5.51
	35 Benzene	78	7.527	7.527	(0.939)	663158	5.00000	5.17
	36 1,2-Dichloroethane	62	7.557	7.557	(0.942)	284397	5.00000	5.47
	37 Tert-amyl methyl ether	73	7.813	7.813	(0.974)	343916	5.00000	5.28
*	38 Fluorobenzene	96	8.020	8.020	(1.000)	1613881	10.0000	
	39 Trichloroethene	130	8.670	8.670	(1.081)	416320	5.00000	5.12
	40 1,2-Dichloropropane(*)	63	9.025	9.025	(1.125)	229411	5.00000	5.16
	41 Dibromomethane	93	9.222	9.222	(1.150)	168366	5.00000	5.54
	42 Bromodichloromethane	83	9.538	9.538	(1.189)	461264	5.00000	5.20
	43 2-Chloroethylvinyl ether	106	10.040	10.040	(1.252)	6823	10.0000	9.66(aM)
	44 1-Bromo-2-chloroethane	63	10.040	10.040	(1.252)	211127	5.00000	5.12
	45 cis-1,3-Dichloropropene	75	10.336	10.336	(1.289)	257290	5.00000	5.15
	46 4-Methyl-2-pentanone	43	10.651	10.651	(1.328)	291400	25.0000	26.67
$	47 Toluene-d8	98	10.819	10.819	(0.803)	666301	5.00000	5.04
	48 Toluene (*)	91	10.937	10.937	(0.811)	864497	5.00000	5.09
	49 trans-1,3-Dichloropropene	75	11.371	11.371	(0.844)	165813	5.00000	5.04
	50 1,1,2-Trichloroethane	97	11.676	11.676	(0.866)	148706	5.00000	5.23
	51 Tetrachloroethene	164	11.952	11.952	(0.887)	457906	5.00000	5.16
	52 1,3-Dichloropropane	76	11.972	11.972	(0.888)	237770	5.00000	5.19
	53 2-Hexanone	43	12.209	12.209	(0.906)	186263	25.0000	23.08
	54 Dibromochloromethane	129	12.396	12.396	(0.920)	297788	5.00000	4.95
	55 1,2-Dibromoethane	107	12.573	12.573	(0.933)	200271	5.00000	5.19
*	56 Chlorobenzene-d5	117	13.480	13.480	(1.000)	1216119	10.0000	
	57 Chlorobenzene (**)	112	13.539	13.539	(1.004)	673535	5.00000	5.16
	58 1,1,1,2-Tetrachloroethane	131	13.707	13.707	(1.017)	338007	5.00000	5.16
	59 Ethylbenzene (*)	106	13.795	13.795	(1.023)	322618	5.00000	5.01
	60 m,p-Xylenes	106	14.022	14.022	(1.040)	812685	10.0000	10.25
M	61 Xylenes (total)	100				1191634	15.0000	15.44
	62 o-Xylene	106	14.771	14.771	(1.096)	378949	5.00000	5.19

MY 10/13/2000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	63 Styrene	104	14.810	14.810	(1.099)	556784	5.00000	5.21
	64 Bromoform (**)	173	15.126	15.126	(1.122)	161086	5.00000	4.88
	65 Isopropylbenzene	105	15.530	15.530	(1.152)	1306879	5.00000	5.12
$	66 4-Bromofluorobenzene	95	15.806	15.806	(1.173)	478050	5.00000	5.44
	67 4-Bromofluorobenzene-2nd	174	15.806	15.806	(1.173)	403572	5.00000	5.42
	68 Bromobenzene	156	16.052	16.052	(0.886)	356918	5.00000	4.81
	69 1,1,2,2-Tetrachloroethane(**)	83	16.131	16.131	(0.890)	173596	5.00000	4.88
	70 1,2,3-Trichloropropane	110	16.180	16.180	(0.893)	46991	5.00000	5.01
	71 n-Propylbenzene	91	16.358	16.358	(0.903)	1520664	5.00000	4.94
	72 2-Chlorotoluene	126	16.486	16.486	(0.910)	309489	5.00000	4.93
	73 4-Chlorotoluene	126	16.693	16.693	(0.921)	309113	5.00000	5.05
	74 1,3,5-Trimethylbenzene	105	16.732	16.732	(0.923)	1076053	5.00000	4.91
	75 tert-Butylbenzene	119	17.373	17.373	(0.959)	1169562	5.00000	4.84
	76 1,2,4-Trimethylbenzene	105	17.481	17.481	(0.965)	1059007	5.00000	4.92
	77 sec-Butylbenzene	105	17.817	17.817	(0.983)	1557795	5.00000	4.85
	78 1,3-Dichlorobenzene	146	17.984	17.984	(0.992)	663958	5.00000	5.02
*	79 1,4-Dichlorobenzene-d4	152	18.122	18.122	(1.000)	775010	10.0000	
	80 p-Isopropyltoluene	119	18.142	18.142	(1.001)	1332053	5.00000	4.96
	81 1,4-Dichlorobenzene	146	18.161	18.161	(1.002)	661860	5.00000	8.71(H)
	82 1,2-Dichlorobenzene	146	18.901	18.901	(1.043)	544081	5.00000	5.10
	83 n-Butylbenzene	91	18.979	18.979	(1.047)	1289690	5.00000	4.86
	84 1,2-Dibromo-3-chloropropane	157	20.497	20.497	(1.131)	32931	5.00000	4.75
	85 1,2,4-Trichlorobenzene	180	22.252	22.252	(1.228)	472432	5.00000	4.82
	86 Hexachlorobutadiene	225	22.666	22.666	(1.251)	657659	5.00000	4.93
	87 Napthalene	128	22.715	22.715	(1.253)	300016	5.00000	4.83
	88 1,2,3-Trichlorobenzene	180	23.148	23.148	(1.277)	377000	5.00000	5.05

QC Flag Legend

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

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2046.D
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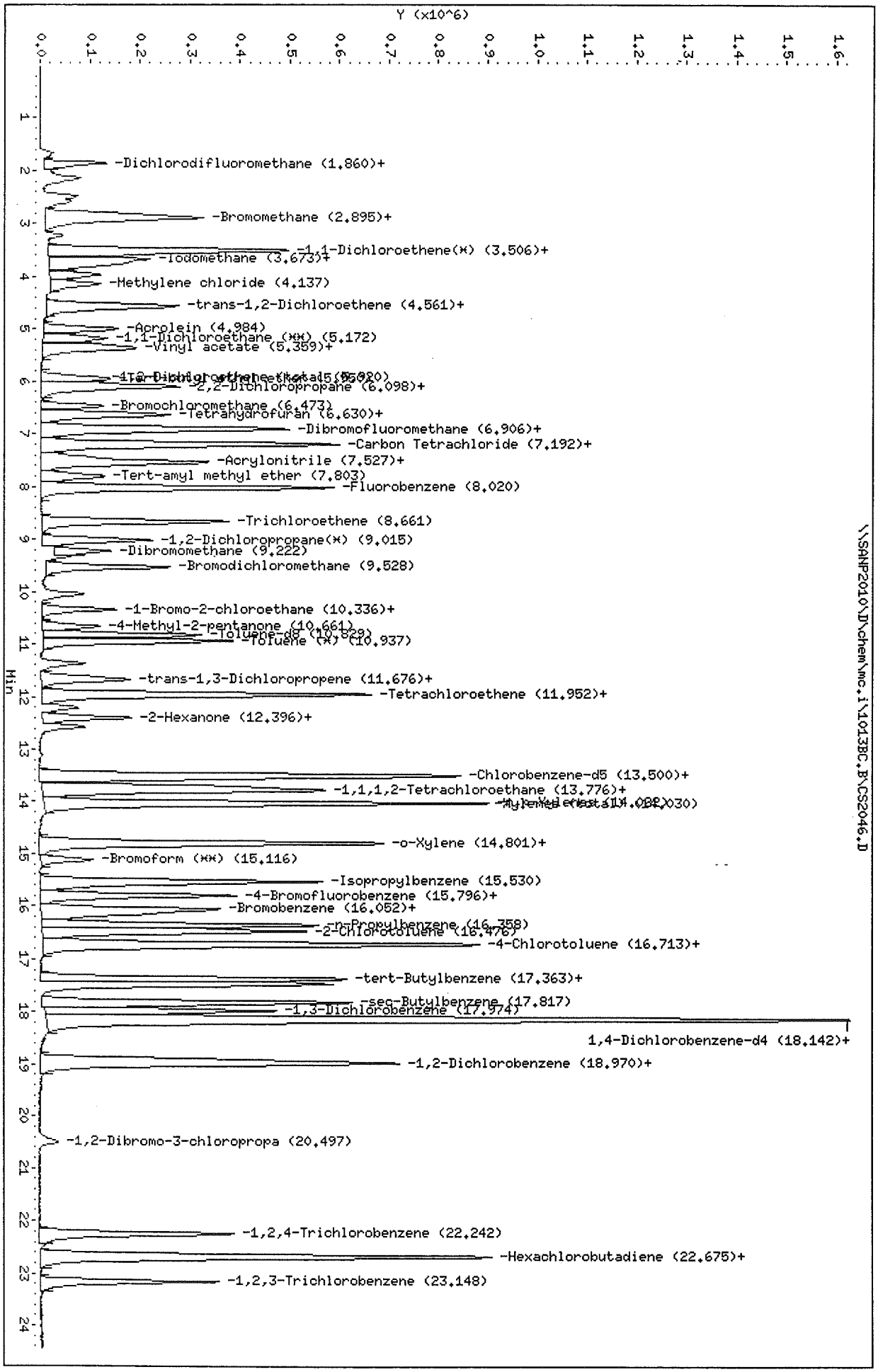
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2047.D
Lab Smp Id: 10PPB 8260BSTD
Inj Date : 13-OCT-2000 18:30
Operator : AD Inst ID: mc.i
Smp Info : 10PPB 8260BSTD,,,3,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 21:13 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	
1 Dichlorodifluoromethane	85	1.850	1.850	(0.231)	766726	10.0000	9.95	
2 Chloromethane (**)	50	2.116	2.116	(0.264)	295476	10.0000	10.29(M)	
3 Vinyl chloride (*)	62	2.136	2.136	(0.266)	342778	10.0000	9.99	
4 Bromomethane	94	2.471	2.471	(0.308)	343496	10.0000	9.47	
5 Chloroethane	64	2.579	2.579	(0.322)	237618	10.0000	10.71	
6 Trichlorofluoromethane	101	2.894	2.894	(0.361)	1284347	10.0000	10.03	
7 Acrolein	56	4.984	4.984	(0.621)	275540	100.000	98.43	
8 1,1-Dichloroethene(*)	96	3.496	3.496	(0.436)	462688	10.0000	10.03	
9 1,1,2-Trichlorotrifluoroethan	151	3.515	3.515	(0.438)	771241	10.0000	10.04	
10 Iodomethane	142	3.673	3.673	(0.458)	1925574	20.0000	23.35	
11 Acetone	43	3.545	3.545	(0.442)	172923	50.0000	51.24	
12 Carbon disulfide	76	3.772	3.772	(0.470)	926442	10.0000	10.14(M)	
13 Methylene chloride	84	4.146	4.146	(0.517)	381395	10.0000	10.39	
14 Acrylonitrile	53	7.428	7.428	(0.926)	50412	100.000	108.0	
15 t-Butanol	59	4.412	4.412	(0.550)	33886	40.0000	40.24	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 Vinyl acetate	43	5.329	5.329	(0.664)	971437	20.0000	20.04
	17 trans-1,2-Dichloroethene	96	4.550	4.550	(0.567)	527912	10.0000	10.01
	18 Methyl-tert-butyl ether[MTBE]	73	4.590	4.590	(0.572)	486532	10.0000	10.54
	19 1,1-Dichloroethane (**)	63	5.171	5.171	(0.645)	841407	10.0000	9.94
	20 Isopropyl ether	45	5.359	5.359	(0.668)	1135112	10.0000	10.07
	21 Tert-butyl ethyl ether	59	5.950	5.950	(0.742)	933926	10.0000	10.33
M	22 1,2-Dichloroethene (total)	100				1056480	20.0000	20.68
	23 2,2-Dichloropropane	77	6.078	6.078	(0.758)	458085	10.0000	8.94
	24 cis-1,2-Dichloroethene	96	6.098	6.098	(0.760)	528568	10.0000	10.68
	25 2-Butanone	43	6.137	6.137	(0.765)	184107	50.0000	48.30
	26 Bromochloromethane	128	6.472	6.472	(0.807)	252415	10.0000	10.54
	27 Tetrahydrofuran	42	6.581	6.581	(0.821)	24329	10.0000	12.71(M)
	28 Chloroform (*)	83	6.640	6.640	(0.828)	1245829	10.0000	10.14
$	29 Dibromofluoromethane	111	6.886	6.886	(0.859)	885030	10.0000	10.29
	30 1,1,1-Trichloroethane	97	6.906	6.906	(0.861)	1222273	10.0000	10.23
	31 Carbon Tetrachloride	117	7.192	7.192	(0.897)	1194203	10.0000	10.66
	32 1,1-Dichloropropene	75	7.192	7.192	(0.897)	923713	10.0000	10.04
$	33 1,2-Dichloroethane-d4	65	7.428	7.428	(0.926)	425383	10.0000	10.57
	34 1,2-Dichloroethane-d4 2nd	102	7.428	7.428	(0.926)	75053	10.0000	10.58
	35 Benzene	78	7.527	7.527	(0.939)	1320083	10.0000	10.31
	36 1,2-Dichloroethane	62	7.556	7.556	(0.942)	543162	10.0000	10.50
	37 Tert-amyl methyl ether	73	7.803	7.803	(0.973)	660242	10.0000	10.16
*	38 Fluorobenzene	96	8.020	8.020	(1.000)	1611523	10.0000	
	39 Trichloroethene	130	8.650	8.650	(1.079)	810225	10.0000	9.99
	40 1,2-Dichloropropane(*)	63	9.005	9.005	(1.123)	461025	10.0000	10.39
	41 Dibromomethane	93	9.212	9.212	(1.149)	333972	10.0000	11.01
	42 Bromodichloromethane	83	9.527	9.527	(1.188)	944578	10.0000	10.67
	43 2-Chloroethylvinyl ether	106	10.060	10.060	(1.254)	16216	20.0000	20.74
	44 1-Bromo-2-chloroethane	63	10.040	10.040	(1.252)	438429	10.0000	10.64
	45 cis-1,3-Dichloropropene	75	10.336	10.336	(1.289)	543196	10.0000	10.87
	46 4-Methyl-2-pentanone	43	10.651	10.651	(1.328)	595223	50.0000	54.56
$	47 Toluene-d8	98	10.828	10.828	(0.803)	1316204	10.0000	10.07
	48 Toluene (*)	91	10.937	10.937	(0.811)	1706294	10.0000	10.17
	49 trans-1,3-Dichloropropene	75	11.370	11.370	(0.843)	347561	10.0000	10.50
	50 1,1,2-Trichloroethane	97	11.686	11.686	(0.866)	298176	10.0000	10.59
	51 Tetrachloroethene	164	11.952	11.952	(0.886)	884007	10.0000	10.08
	52 1,3-Dichloropropane	76	11.982	11.982	(0.888)	480104	10.0000	10.61
	53 2-Hexanone	43	12.208	12.208	(0.905)	392565	50.0000	49.19
	54 Dibromochloromethane	129	12.395	12.395	(0.919)	640911	10.0000	10.77
	55 1,2-Dibromoethane	107	12.573	12.573	(0.932)	408493	10.0000	10.71
*	56 Chlorobenzene-d5	117	13.489	13.489	(1.000)	1203388	10.0000	
	57 Chlorobenzene (**)	112	13.539	13.539	(1.004)	1308886	10.0000	10.15
	58 1,1,1,2-Tetrachloroethane	131	13.706	13.706	(1.016)	685312	10.0000	10.59
	59 Ethylbenzene (*)	106	13.785	13.785	(1.022)	642183	10.0000	10.08
	60 m,p-Xylenes	106	14.032	14.032	(1.040)	1609690	20.0000	20.52
M	61 Xylenes (total)	100				2339398	30.0000	30.62
	62 o-Xylene	106	14.781	14.781	(1.096)	729708	10.0000	10.09

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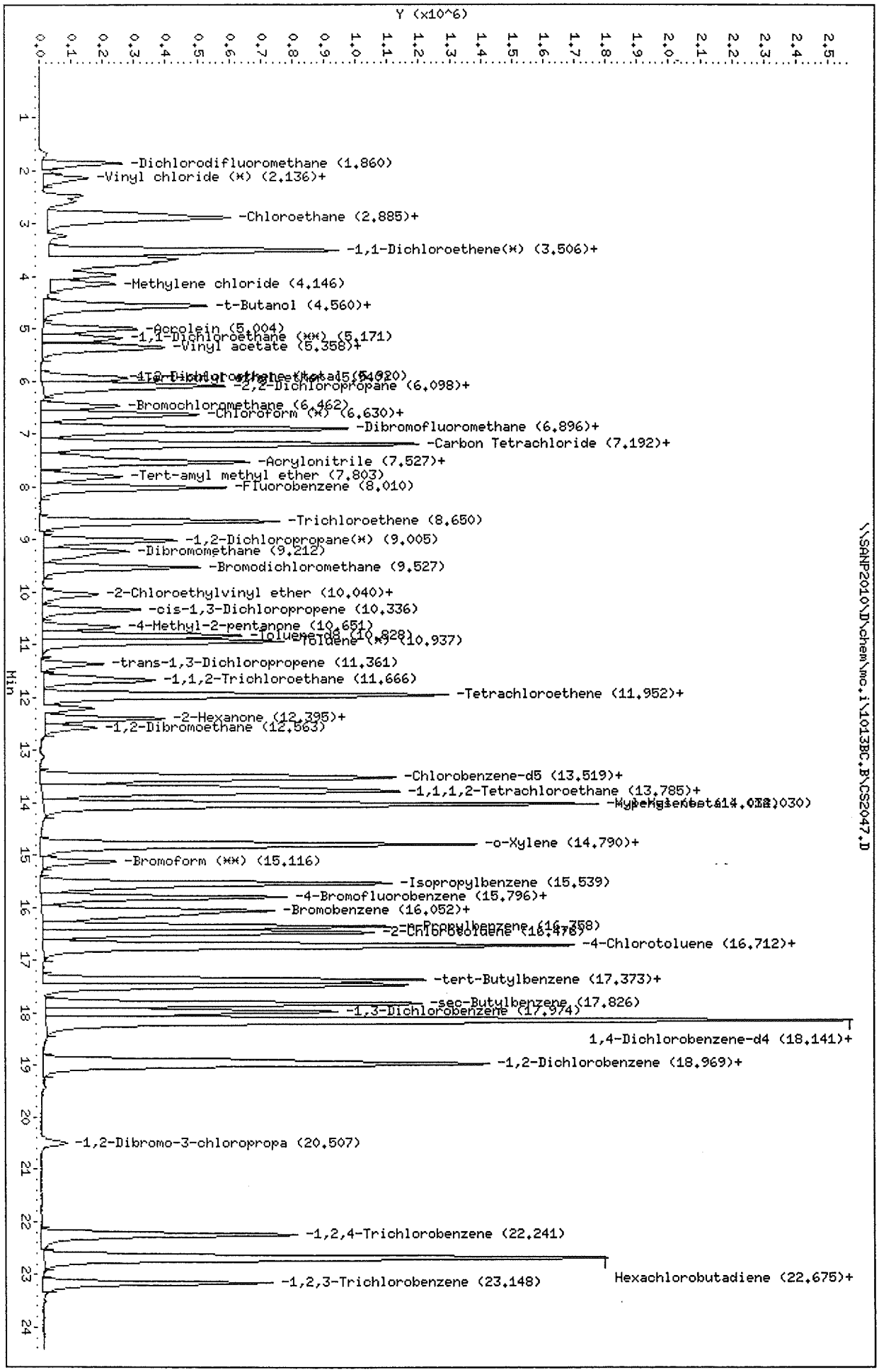
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.810	14.810	(1.098)	1107053	10.0000	10.47
64 Bromoform (**)	173	15.116	15.116	(1.121)	351979	10.0000	10.78
65 Isopropylbenzene	105	15.530	15.530	(1.151)	2571995	10.0000	10.19
$ 66 4-Bromofluorobenzene	95	15.796	15.796	(1.171)	928863	10.0000	10.68
67 4-Bromofluorobenzene-2nd	174	15.796	15.796	(1.171)	789568	10.0000	10.72
68 Bromobenzene	156	16.062	16.062	(0.887)	721285	10.0000	9.96
69 1,1,2,2-Tetrachloroethane(**)	83	16.131	16.131	(0.891)	353535	10.0000	10.18
70 1,2,3-Trichloropropane	110	16.170	16.170	(0.893)	96980	10.0000	10.56
71 n-Propylbenzene	91	16.358	16.358	(0.903)	3005638	10.0000	9.79
72 2-Chlorotoluene	126	16.476	16.476	(0.910)	598810	10.0000	9.74
73 4-Chlorotoluene	126	16.702	16.702	(0.922)	602833	10.0000	10.08
74 1,3,5-Trimethylbenzene	105	16.732	16.732	(0.924)	2075612	10.0000	9.68
75 tert-Butylbenzene	119	17.373	17.373	(0.959)	2308531	10.0000	9.78
76 1,2,4-Trimethylbenzene	105	17.471	17.471	(0.965)	2073927	10.0000	9.87
77 sec-Butylbenzene	105	17.826	17.826	(0.984)	3034666	10.0000	9.64
78 1,3-Dichlorobenzene	146	17.974	17.974	(0.992)	1267723	10.0000	9.83
* 79 1,4-Dichlorobenzene-d4	152	18.112	18.112	(1.000)	755803	10.0000	
80 p-Isopropyltoluene	119	18.141	18.141	(1.002)	2559174	10.0000	9.77
81 1,4-Dichlorobenzene	146	18.161	18.161	(1.003)	1311790	10.0000	10.08(H)
82 1,2-Dichlorobenzene	146	18.900	18.900	(1.044)	1025767	10.0000	9.84
83 n-Butylbenzene	91	18.979	18.979	(1.048)	2542647	10.0000	9.81
84 1,2-Dibromo-3-chloropropane	157	20.507	20.507	(1.132)	73565	10.0000	10.87
85 1,2,4-Trichlorobenzene	180	22.241	22.241	(1.228)	968012	10.0000	10.10
86 Hexachlorobutadiene	225	22.675	22.675	(1.252)	1297582	10.0000	9.96
87 Napthalene	128	22.705	22.705	(1.254)	660303	10.0000	10.89
88 1,2,3-Trichlorobenzene	180	23.148	23.148	(1.278)	731019	10.0000	10.04

QC Flag Legend

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

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2047.D
Date : 13-OCT-2000 18:30
Client ID:
Sample Info: 10PPB 8260BSTD,,3.0,,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2048.D
Lab Smp Id: 50PPB 8260BSTD
Inj Date : 13-OCT-2000 19:00
Operator : AD Inst ID: mc.i
Smp Info : 50PPB 8260BSTD,,,4,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:55 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.850	1.850	(0.231)	3600522	50.0000	47.68
2 Chloromethane (**)	50	2.116	2.116	(0.264)	1269634	50.0000	45.14
3 Vinyl chloride (*)	62	2.146	2.146	(0.268)	1665780	50.0000	49.54
4 Bromomethane	94	2.462	2.462	(0.307)	1903146	50.0000	53.53
5 Chloroethane	64	2.570	2.570	(0.320)	1017324	50.0000	46.80
6 Trichlorofluoromethane	101	2.885	2.885	(0.360)	6065900	50.0000	48.32
7 Acrolein	56	4.994	4.994	(0.623)	1326957	500.000	483.6
8 1,1-Dichloroethene(*)	96	3.496	3.496	(0.436)	2160317	50.0000	47.79
9 1,1,2-Trichlorotrifluoroethan	151	3.516	3.516	(0.438)	3560013	50.0000	47.27
10 Iodomethane	142	3.674	3.674	(0.458)	8807012	100.000	109.0
11 Acetone	43	3.565	3.565	(0.445)	642993	250.000	194.4
12 Carbon disulfide	76	3.772	3.772	(0.470)	4911350	50.0000	47.46(M)
13 Methylene chloride	84	4.137	4.137	(0.516)	1774481	50.0000	49.33
14 Acrylonitrile	53	7.429	7.429	(0.926)	245480	500.000	536.6
15 t-Butanol	59	4.413	4.413	(0.550)	166918	200.000	202.3

M 10/13/2000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 Vinyl acetate	43	5.320	5.320	(0.663)	4899751	100.000	103.1
	17 trans-1,2-Dichloroethene	96	4.551	4.551	(0.567)	2509160	50.0000	48.52
	18 Methyl-tert-butyl ether[MTBE]	73	4.590	4.590	(0.572)	2272880	50.0000	50.24
	19 1,1-Dichloroethane (**)	63	5.182	5.182	(0.646)	4110692	50.0000	49.57
	20 Isopropyl ether	45	5.369	5.369	(0.669)	5433286	50.0000	49.18
	21 Tert-butyl ethyl ether	59	5.950	5.950	(0.742)	4457724	50.0000	50.30
M	22 1,2-Dichloroethene (total)	100				4998219	100.000	99.83
	23 2,2-Dichloropropane	77	6.088	6.088	(0.759)	3416162	50.0000	68.04
	24 cis-1,2-Dichloroethene	96	6.098	6.098	(0.760)	2489059	50.0000	51.30
	25 2-Butanone	43	6.167	6.167	(0.769)	867862	250.000	232.3
	26 Bromochloromethane	128	6.473	6.473	(0.807)	1164752	50.0000	49.64
	27 Tetrahydrofuran	42	6.591	6.591	(0.822)	112262	50.0000	62.15
	28 Chloroform (*)	83	6.640	6.640	(0.828)	5912870	50.0000	49.10
$	29 Dibromofluoromethane	111	6.897	6.897	(0.860)	4083879	50.0000	48.43
	30 1,1,1-Trichloroethane	97	6.906	6.906	(0.861)	5924126	50.0000	50.61
	31 Carbon Tetrachloride	117	7.202	7.202	(0.898)	5826217	50.0000	53.05
	32 1,1-Dichloropropene	75	7.192	7.192	(0.897)	4380292	50.0000	48.60
$	33 1,2-Dichloroethane-d4	65	7.429	7.429	(0.926)	1923630	50.0000	48.77
	34 1,2-Dichloroethane-d4 2nd	102	7.429	7.429	(0.926)	358194	50.0000	51.51
	35 Benzene	78	7.527	7.527	(0.939)	6145209	50.0000	48.97
	36 1,2-Dichloroethane	62	7.557	7.557	(0.942)	2487637	50.0000	49.08
	37 Tert-amyl methyl ether	73	7.803	7.803	(0.973)	3250303	50.0000	51.03
*	38 Fluorobenzene	96	8.020	8.020	(1.000)	1579493	10.0000	
	39 Trichloroethene	130	8.661	8.661	(1.080)	3854015	50.0000	48.48
	40 1,2-Dichloropropane(*)	63	9.016	9.016	(1.124)	2168717	50.0000	49.86
	41 Dibromomethane	93	9.223	9.223	(1.150)	1496317	50.0000	50.35
	42 Bromodichloromethane	83	9.528	9.528	(1.188)	4718815	50.0000	54.38
	43 2-Chloroethylvinyl ether	106	10.110	10.110	(1.261)	103154	100.000	149.2
	44 1-Bromo-2-chloroethane	63	10.050	10.050	(1.253)	2223086	50.0000	55.05
	45 cis-1,3-Dichloropropene	75	10.346	10.346	(1.290)	2859101	50.0000	58.37
	46 4-Methyl-2-pentanone	43	10.661	10.661	(1.329)	2766834	250.000	258.8
$	47 Toluene-d8	98	10.819	10.819	(0.803)	5873983	50.0000	48.11
	48 Toluene (*)	91	10.947	10.947	(0.812)	7640132	50.0000	48.73
	49 trans-1,3-Dichloropropene	75	11.371	11.371	(0.844)	1877677	50.0000	61.63
	50 1,1,2-Trichloroethane	97	11.686	11.686	(0.867)	1308385	50.0000	49.75
	51 Tetrachloroethene	164	11.953	11.953	(0.887)	3874261	50.0000	47.30
	52 1,3-Dichloropropane	76	11.982	11.982	(0.889)	2113240	50.0000	50.00
	53 2-Hexanone	43	12.209	12.209	(0.906)	1830508	250.000	245.5
	54 Dibromochloromethane	129	12.396	12.396	(0.920)	3139257	50.0000	56.45
	55 1,2-Dibromoethane	107	12.573	12.573	(0.933)	1858524	50.0000	52.17
*	56 Chlorobenzene-d5	117	13.480	13.480	(1.000)	1124179	10.0000	
	57 Chlorobenzene (**)	112	13.539	13.539	(1.004)	5934133	50.0000	49.24
	58 1,1,1,2-Tetrachloroethane	131	13.717	13.717	(1.018)	3112952	50.0000	51.48
	59 Ethylbenzene (*)	106	13.796	13.796	(1.023)	2863981	50.0000	48.13
	60 m,p-Xylenes	106	14.032	14.032	(1.041)	7097503	100.000	96.88
M	61 Xylenes (total)	100				10382497	150.000	145.5
	62 o-Xylene	106	14.781	14.781	(1.097)	3284994	50.0000	48.62

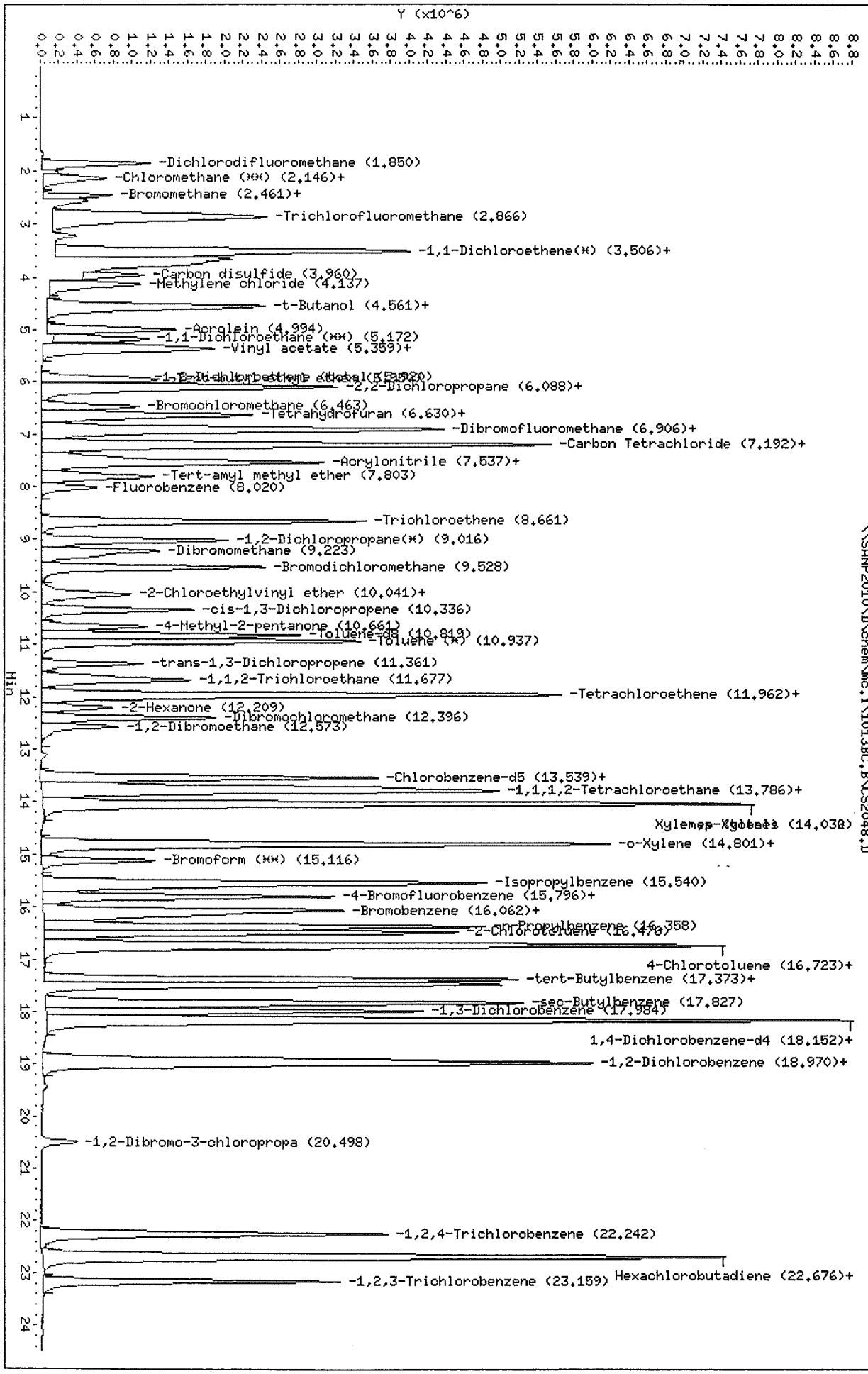
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.811	14.811	(1.099)	4935853	50.0000	49.99
64 Bromoform (**)	173	15.116	15.116	(1.121)	1820488	50.0000	59.68
65 Isopropylbenzene	105	15.540	15.540	(1.153)	11253496	50.0000	47.74
$ 66 4-Bromofluorobenzene	95	15.796	15.796	(1.172)	3730972	50.0000	45.92
67 4-Bromofluorobenzene-2nd	174	15.796	15.796	(1.172)	3102813	50.0000	45.10
68 Bromobenzene	156	16.062	16.062	(0.886)	3178839	50.0000	50.98
69 1,1,2,2-Tetrachloroethane(**)	83	16.131	16.131	(0.890)	1553216	50.0000	51.93
70 1,2,3-Trichloropropane	110	16.171	16.171	(0.892)	421724	50.0000	53.35
71 n-Propylbenzene	91	16.368	16.368	(0.903)	13483053	50.0000	50.99
72 2-Chlorotoluene	126	16.486	16.486	(0.910)	2594423	50.0000	49.04
73 4-Chlorotoluene	126	16.703	16.703	(0.922)	2585195	50.0000	50.22
74 1,3,5-Trimethylbenzene	105	16.742	16.742	(0.924)	9039568	50.0000	48.96
75 tert-Butylbenzene	119	17.373	17.373	(0.959)	10028444	50.0000	49.37
76 1,2,4-Trimethylbenzene	105	17.482	17.482	(0.965)	8866051	50.0000	49.02
77 sec-Butylbenzene	105	17.827	17.827	(0.984)	13181449	50.0000	48.65
78 1,3-Dichlorobenzene	146	17.984	17.984	(0.992)	5536001	50.0000	49.84
* 79 1,4-Dichlorobenzene-d4	152	18.122	18.122	(1.000)	650788	10.0000	
80 p-Isopropyltoluene	119	18.142	18.142	(1.001)	10867277	50.0000	48.17
81 1,4-Dichlorobenzene	146	18.172	18.172	(1.003)	5440691	50.0000	60.76
82 1,2-Dichlorobenzene	146	18.901	18.901	(1.043)	4494705	50.0000	50.10
83 n-Butylbenzene	91	18.980	18.980	(1.047)	10950704	50.0000	49.05
84 1,2-Dibromo-3-chloropropane	157	20.498	20.498	(1.131)	376172	50.0000	64.57
85 1,2,4-Trichlorobenzene	180	22.242	22.242	(1.227)	4349925	50.0000	52.73
86 Hexachlorobutadiene	225	22.676	22.676	(1.251)	5495201	50.0000	48.98
87 Napthalene	128	22.705	22.705	(1.253)	2920180	50.0000	55.92
88 1,2,3-Trichlorobenzene	180	23.159	23.159	(1.278)	3189876	50.0000	50.86

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2048.D
Date : 13-OCT-2000 19:00
Client ID:
Sample Info: 50PPB 8260BSTD,,4.0,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2049.D
Lab Smp Id: 100PPB 8260BSTD
Inj Date : 13-OCT-2000 19:30
Operator : AD Inst ID: mc.i
Smp Info : 100PPB 8260BSTD,,,5,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:55 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	25.000	Default Sample Volume
Vo	25.000	Sample Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.860	1.860	(0.231)	6273623	100.000	98.99
2 Chloromethane (**)	50	2.086	2.086	(0.259)	2476406	100.000	104.9(A)
3 Vinyl chloride (*)	62	2.155	2.155	(0.268)	2957109	100.000	104.8(A)
4 Bromomethane	94	2.481	2.481	(0.308)	3202460	100.000	107.3(A)
5 Chloroethane	64	2.589	2.589	(0.322)	1637059	100.000	89.74
6 Trichlorofluoromethane	101	2.904	2.904	(0.361)	10432650	100.000	99.02
7 Acrolein	56	5.043	5.043	(0.627)	2467232	1000.00	1071(A)
8 1,1-Dichloroethene(*)	96	3.515	3.515	(0.437)	3862643	100.000	101.8(A)
9 1,1,2-Trichlorotrifluoroethan	151	3.545	3.545	(0.440)	6207549	100.000	98.22
10 Iodomethane	142	3.703	3.703	(0.460)	11666037	200.000	172.0
11 Acetone	43	3.575	3.575	(0.444)	843473	500.000	303.9
12 Carbon disulfide	76	3.801	3.801	(0.472)	7796560	100.000	97.73(M)
13 Methylene chloride	84	4.176	4.176	(0.519)	2766436	100.000	91.64
14 Acrylonitrile	53	7.458	7.458	(0.927)	344681	1000.00	897.8
15 t-Butanol	59	4.412	4.412	(0.548)	202478	400.000	292.4

MP 10/13/2000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 Vinyl acetate	43	5.368	5.368	(0.667)	7598938	200.000	190.6
	17 trans-1,2-Dichloroethene	96	4.590	4.590	(0.570)	4446594	100.000	102.5(A)
	18 Methyl-tert-butyl ether[MTBE]	73	4.619	4.619	(0.574)	2983814	100.000	78.59
	19 1,1-Dichloroethane (**)	63	5.220	5.220	(0.649)	7098050	100.000	102.0(A)
	20 Isopropyl ether	45	5.398	5.398	(0.671)	8758659	100.000	94.46
	21 Tert-butyl ethyl ether	59	5.970	5.970	(0.742)	6850293	100.000	92.10
M	22 1,2-Dichloroethene (total)	100				8495539	200.000	201.9
	23 2,2-Dichloropropane	77	6.147	6.147	(0.764)	6038858	100.000	143.3(A)
	24 cis-1,2-Dichloroethene	96	6.147	6.147	(0.764)	4048945	100.000	99.45
	25 2-Butanone	43	6.167	6.167	(0.766)	1174798	500.000	374.7
	26 Bromochloromethane	128	6.511	6.511	(0.809)	1507928	100.000	76.58
	27 Tetrahydrofuran	42	6.610	6.610	(0.821)	147657	100.000	97.41
	28 Chloroform (*)	83	6.669	6.669	(0.829)	9185448	100.000	90.88
$	29 Dibromofluoromethane	111	6.926	6.926	(0.860)	5887603	100.000	83.20
	30 1,1,1-Trichloroethane	97	6.965	6.965	(0.865)	9835857	100.000	100.1(A)
	31 Carbon Tetrachloride	117	7.251	7.251	(0.901)	9650671	100.000	104.7(A)
	32 1,1-Dichloropropene	75	7.241	7.241	(0.900)	7426263	100.000	98.18
$	33 1,2-Dichloroethane-d4	65	7.458	7.458	(0.927)	2590673	100.000	78.27
	34 1,2-Dichloroethane-d4 2nd	102	7.458	7.458	(0.927)	472907	100.000	81.03
	35 Benzene	78	7.576	7.576	(0.941)	9879649	100.000	93.82
	36 1,2-Dichloroethane	62	7.596	7.596	(0.944)	3385807	100.000	79.59
	37 Tert-amyl methyl ether	73	7.822	7.822	(0.972)	4499672	100.000	84.18
*	38 Fluorobenzene	96	8.049	8.049	(1.000)	1325546	10.0000	
	39 Trichloroethene	130	8.690	8.690	(1.080)	6382399	100.000	95.67
	40 1,2-Dichloropropane(*)	63	9.044	9.044	(1.124)	3237382	100.000	88.68
	41 Dibromomethane	93	9.242	9.242	(1.148)	1810915	100.000	72.60
	42 Bromodichloromethane	83	9.547	9.547	(1.186)	6623398	100.000	90.94
	43 2-Chloroethylvinyl ether	106	10.109	10.109	(1.256)	95944	200.000	149.2(M)
	44 1-Bromo-2-chloroethane	63	10.069	10.069	(1.251)	2843827	100.000	83.91
	45 cis-1,3-Dichloropropene	75	10.355	10.355	(1.287)	4085841	100.000	99.40
	46 4-Methyl-2-pentanone	43	10.661	10.661	(1.324)	3735686	500.000	416.3
$	47 Toluene-d8	98	10.848	10.848	(0.804)	9301568	100.000	95.72
	48 Toluene (*)	91	10.966	10.966	(0.812)	12429969	100.000	99.62
	49 trans-1,3-Dichloropropene	75	11.380	11.380	(0.843)	2654604	100.000	109.5(A)
	50 1,1,2-Trichloroethane	97	11.696	11.696	(0.866)	1780231	100.000	85.06
	51 Tetrachloroethene	164	11.972	11.972	(0.887)	6417667	100.000	98.45
	52 1,3-Dichloropropane	76	11.991	11.991	(0.888)	2895623	100.000	86.08
	53 2-Hexanone	43	12.198	12.198	(0.904)	2398740	500.000	404.3
	54 Dibromochloromethane	129	12.405	12.405	(0.919)	4388456	100.000	99.16
	55 1,2-Dibromoethane	107	12.583	12.583	(0.932)	2517836	100.000	88.81
*	56 Chlorobenzene-d5	117	13.499	13.499	(1.000)	894739	10.0000	
	57 Chlorobenzene (**)	112	13.549	13.549	(1.004)	9160029	100.000	95.50
	58 1,1,1,2-Tetrachloroethane	131	13.726	13.726	(1.017)	4601571	100.000	95.62
	59 Ethylbenzene (*)	106	13.815	13.815	(1.023)	4797985	100.000	101.3(A)
	60 m,p-Xylenes	106	14.051	14.051	(1.041)	11388791	200.000	195.3
M	61 Xylenes (total)	100				16575722	300.000	291.8
	62 o-Xylene	106	14.790	14.790	(1.096)	5186931	100.000	96.47

AM 10/14/2000

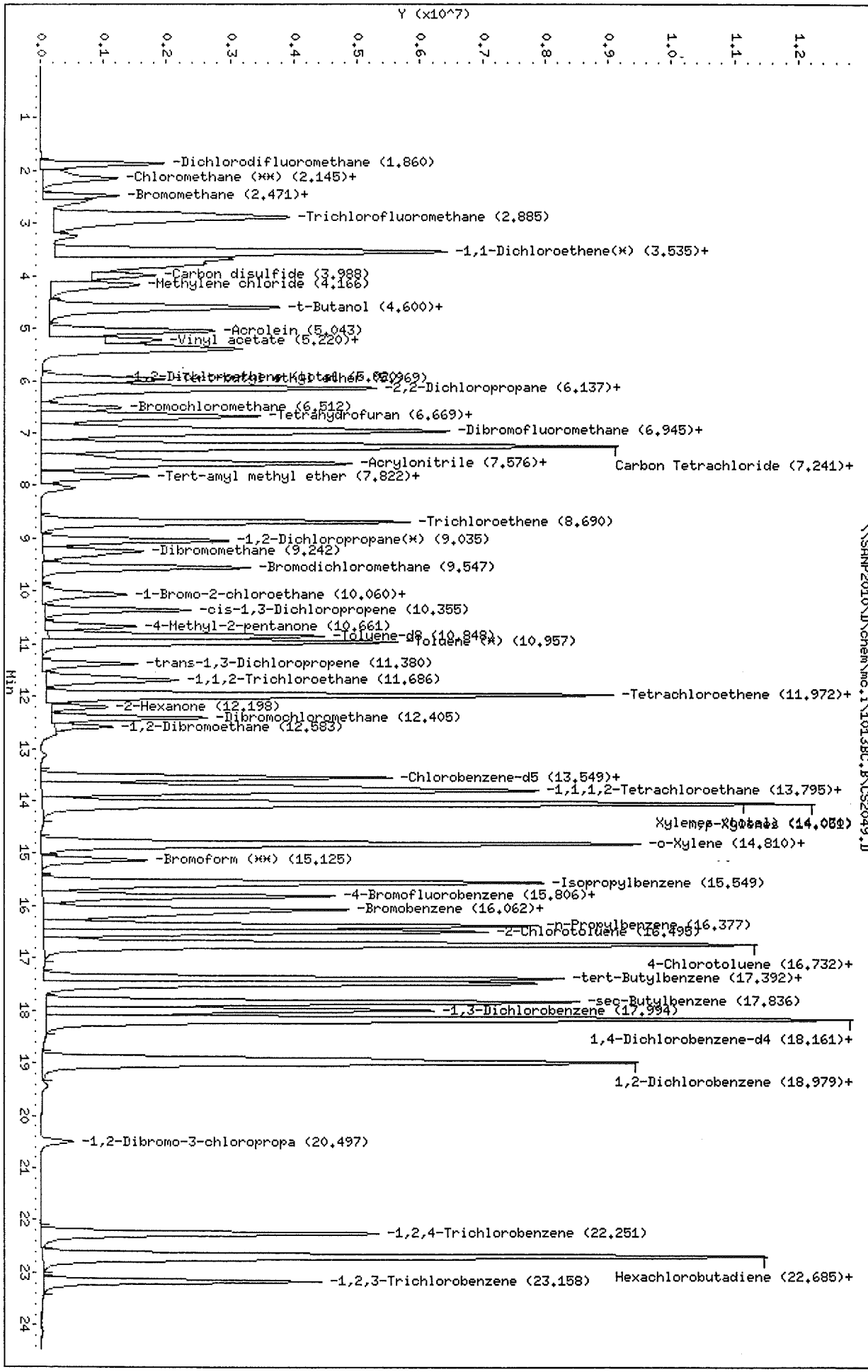
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.830	14.830	(1.099)	7342583	100.000	93.43
64 Bromoform (**)	173	15.125	15.125	(1.120)	2527657	100.000	104.1(A)
65 Isopropylbenzene	105	15.549	15.549	(1.152)	19101112	100.000	101.8(A)
$ 66 4-Bromofluorobenzene	95	15.806	15.806	(1.171)	5448404	100.000	84.25
67 4-Bromofluorobenzene-2nd	174	15.815	15.815	(1.172)	4565591	100.000	83.37
68 Bromobenzene	156	16.062	16.062	(0.886)	4630916	100.000	103.6(A)
69 1,1,2,2-Tetrachloroethane(**)	83	16.141	16.141	(0.890)	2041163	100.000	95.20
70 1,2,3-Trichloropropane	110	16.180	16.180	(0.892)	547142	100.000	96.55
71 n-Propylbenzene	91	16.377	16.377	(0.903)	21894451	100.000	115.5(A)
72 2-Chlorotoluene	126	16.495	16.495	(0.910)	4011083	100.000	105.8(A)
73 4-Chlorotoluene	126	16.712	16.712	(0.922)	3879784	100.000	105.1(A)
74 1,3,5-Trimethylbenzene	105	16.752	16.752	(0.924)	14378432	100.000	108.6(A)
75 tert-Butylbenzene	119	17.392	17.392	(0.959)	16218459	100.000	111.4(A)
76 1,2,4-Trimethylbenzene	105	17.491	17.491	(0.965)	13953950	100.000	107.6(A)
77 sec-Butylbenzene	105	17.836	17.836	(0.984)	22062135	100.000	113.6(A)
78 1,3-Dichlorobenzene	146	17.994	17.994	(0.992)	8196277	100.000	102.9(A)
* 79 1,4-Dichlorobenzene-d4	152	18.131	18.131	(1.000)	466527	10.0000	
80 p-Isopropyltoluene	119	18.151	18.151	(1.001)	17346104	100.000	107.3(A)
81 1,4-Dichlorobenzene	146	18.181	18.181	(1.003)	7602010	100.000	118.4(A)
82 1,2-Dichlorobenzene	146	18.910	18.910	(1.043)	6321529	100.000	98.30
83 n-Butylbenzene	91	18.989	18.989	(1.047)	17841067	100.000	111.5(A)
84 1,2-Dibromo-3-chloropropane	157	20.497	20.497	(1.130)	497352	100.000	119.1(A)
85 1,2,4-Trichlorobenzene	180	22.251	22.251	(1.227)	6174722	100.000	104.4(A)
86 Hexachlorobutadiene	225	22.675	22.675	(1.251)	8905628	100.000	110.7(A)
87 Napthalene	128	22.714	22.714	(1.253)	3583460	100.000	95.73
88 1,2,3-Trichlorobenzene	180	23.158	23.158	(1.277)	4296867	100.000	95.58

QC Flag Legend

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

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2049.D
Date : 13-OCT-2000 19:30
Client ID:
Sample Info: 100PPB 8260BSTD,,5.0,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: AD
Column diameter: 0.53



8260B SAMPLE / QC DATA

DATE ANALYZED: 101300

INSTRUMENT ID: MSD

SAMPLES: 0010 40125 1-9

BOE-C6-0154999

STL Los Angeles

FJK 10/18/00

Batch ID: 0288121

GC/MS VOA Run Log

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☑ 5030B ☐ 5035

Inst ID: MSD | EM Set: 1706 | Tune File: BFB | Seq File: ~~1013AD~~ 1013AD

Init. Cal ID: 8260BDA 10-4-00 | Date: 10-13-00

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
8:23	GAB	DT1576	50ng BFB	—	—	1ml	—	—	✓			1198-1
8:38		DS2536	50ppb 8260B STD	1	S	5g	1	138	✓			1251-2; 49-2; 55-1
9:20		D12972	LCS 1013AD	2				136	✓			1253-1
9:52		73	MB 1013AD	3				151	✓			
10:29		74	DLGQH103	4				148	✓			EOJ030262-11
11:01		75	DLGQ5103	5				151	✓			-12
11:33		76	DLGQH104	6				150	✓			-20
12:05		77	DLGQJ104	7				153	✓			-21
12:37		78	DLGQ5105 S	8				155	✓			-12MS 1253-1
13:09		79	DLGQ5106 D	9				152	✓			-12MSD
13:41		80	DLGQM104	10				154	✓			-22
14:13		81	DLGQN104	11				150	✓			-23
14:45		82	DLH33101	12				147	✓			EOJ040125-1
15:17		83	DLH39101	13				143	✓			-2
~~14:13~~	15:48	84	DLH3C101	14				140	✓			-3
~~14:45~~	16:20	85	DLH3D101	15				145	✓			-4
~~15:17~~	16:52	86	DLH3E101	16				138	✓			-5
~~15:48~~	17:24	87	DLH3F101	17				136	✓			-6
~~16:20~~	17:56	88	DLH3H101	18				136	✓			-7
~~16:52~~	18:28	89	DLH3J101	19				132	✓			-8
19:00		90	DLH3L101	20				142	✓			-9
19:32		91	DLH33102 S	21				123	✓			-10S 1253-1
20:04		92	DLH33103 D	22				141	✓			-10MSD

000335

000102

G:\FORMS\Run Log\MSV Runlog.DOC

Version 01/04/99

BOE-C6-0155000

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA54651

Lab File ID (Standard): DS2536 Date Analyzed: 10/13/00

Instrument ID: MD Time Analyzed: 0838

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

		IS1 AREA #	RT	IS2 (CBZ) AREA #	RT	IS3 (DCB) AREA #	RT
	12 HOUR STD	1382769	7.10	1198105	12.62	785924	17.28
	UPPER LIMIT	2765538	7.60	2396210	13.12	1571848	17.78
	LOWER LIMIT	691385	6.60	599053	12.12	392962	16.78
	EPA SAMPLE NO.						
01	D12972	1563981	7.10	1426354	12.62	1003934	17.28
02	D12973	1512179	7.11	1415624	12.62	983737	17.29
03	D12974	1489575	7.10	1372323	12.62	943284	17.28
04	D12975	1519333	7.10	1386025	12.62	961249	17.27
05	D12976	1507813	7.09	1404460	12.61	985876	17.27
06	D12977	1536365	7.10	1418989	12.61	993796	17.28
07	D12978	1551834	7.09	1387516	12.62	990299	17.28
08	D12979	1523708	7.10	1373062	12.62	985986	17.29
09	D12980	1546856	7.11	1454841	12.62	1022566	17.27
10	D12981	1509739	7.10	1416760	12.62	989908	17.27
11	D12982	1474769	7.10	1379997	12.61	947310	17.28
12	D12983	1430805	7.09	1310667	12.63	837672	17.28
13	D12984	1405375	7.10	1302899	12.62	897236	17.28
14	D12985	1459007	7.11	1314863	12.62	931679	17.27
15	D12986	1388829	7.10	1277928	12.62	842802	17.27
16	D12987	1364111	7.10	1280570	12.63	916315	17.27
17	D12988	1363187	7.09	1262080	12.62	906448	17.27
18	D12989	1325344	7.09	1245236	12.62	863186	17.27
19	D12990	1426959	7.11	1335671	12.61	966162	17.27
20	D12991	1235103	7.11	1137491	12.62	809806	17.28
21	D12992	1416115	7.10	1304814	12.62	951451	17.28
22							

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

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

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

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\DT1576.D

Date : 13-OCT-2000 08:23

Client ID:

Instrument: md.i

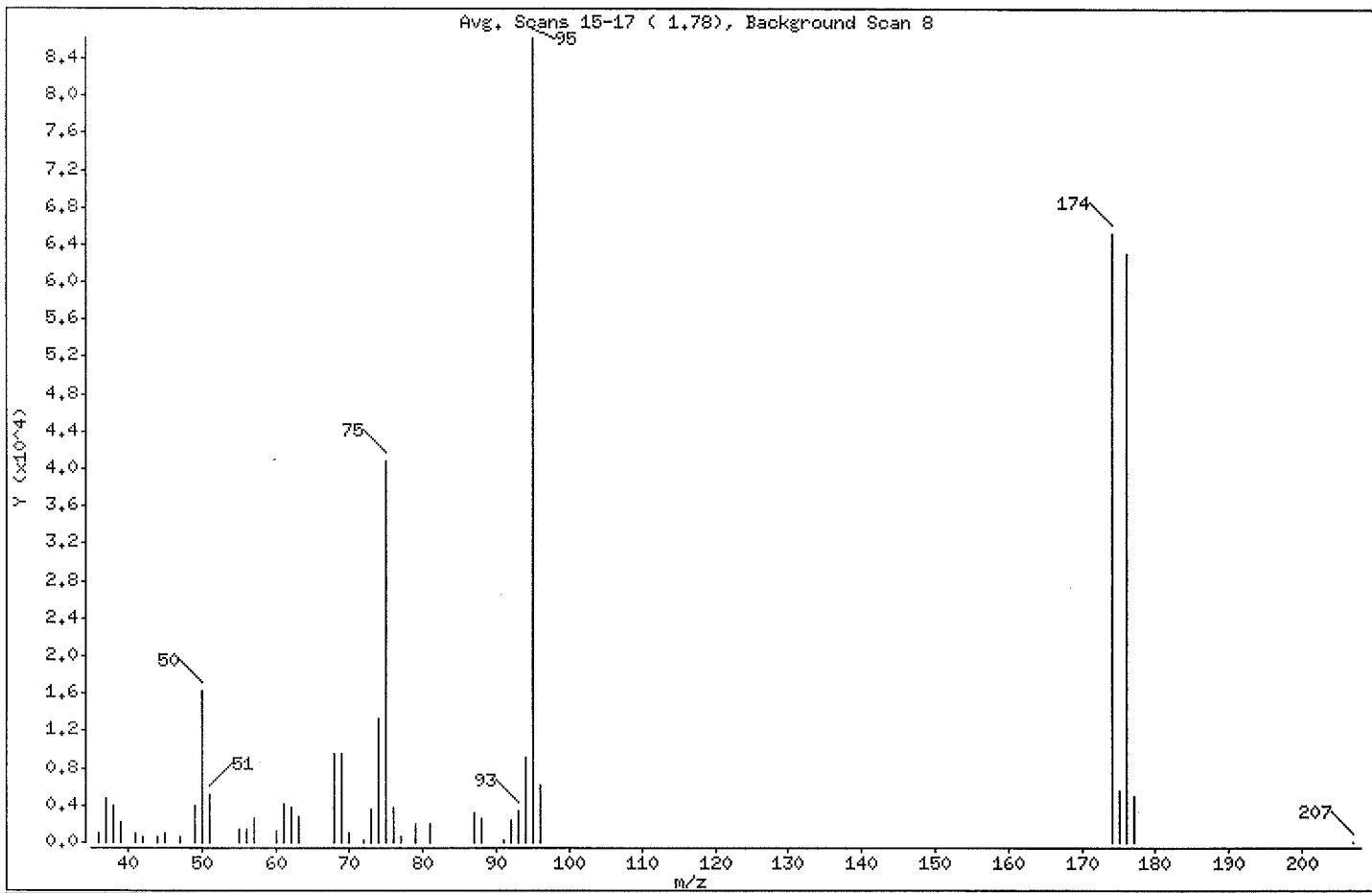
Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.94
75	30.00 - 60.00% of mass 95	47.35
96	5.00 - 9.00% of mass 95	7.03
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	75.63
175	5.00 - 9.00% of mass 174	6.41 (8.47)
176	95.00 - 101.00% of mass 174	73.02 (96.54)
177	5.00 - 9.00% of mass 176	5.79 (7.93)

10-14-00

STL Los Angeles

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\DT1576.D
Lab Smp Id:
Inj Date : 13-OCT-2000 08:23
Operator : GFB Inst ID: md.i
Smp Info : 50 ng BFB,bfb,,,,,,bfb.m
Misc Info : 1uL;1198-1,,,,3,all.sub
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\BFB.M
Meth Date : 11-Jul-2000 09:15 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: 4.00 Sample Matrix: WATER
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * Vf * VI

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

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
1.7776	1.8000	(0.000)	95	86168			0.00- 100.00	100.00
1.7776	1.8000	(0.000)	50	16321			15.00- 40.00	18.94
1.7776	1.8000	(0.000)	75	40800			30.00- 60.00	47.35
1.7776	1.8000	(0.000)	96	6057			5.00- 9.00	7.03
1.7776	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.7776	1.8000	(0.000)	174	65170			50.00- 0.00	75.63
1.7776	1.8000	(0.000)	175	5521			5.00- 9.00	8.47
1.7776	1.8000	(0.000)	176	62917			95.00- 101.00	96.54
1.7776	1.8000	(0.000)	177	4992			5.00- 9.00	7.93

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\DT1576.D

Date : 13-OCT-2000 08:23

Client ID:

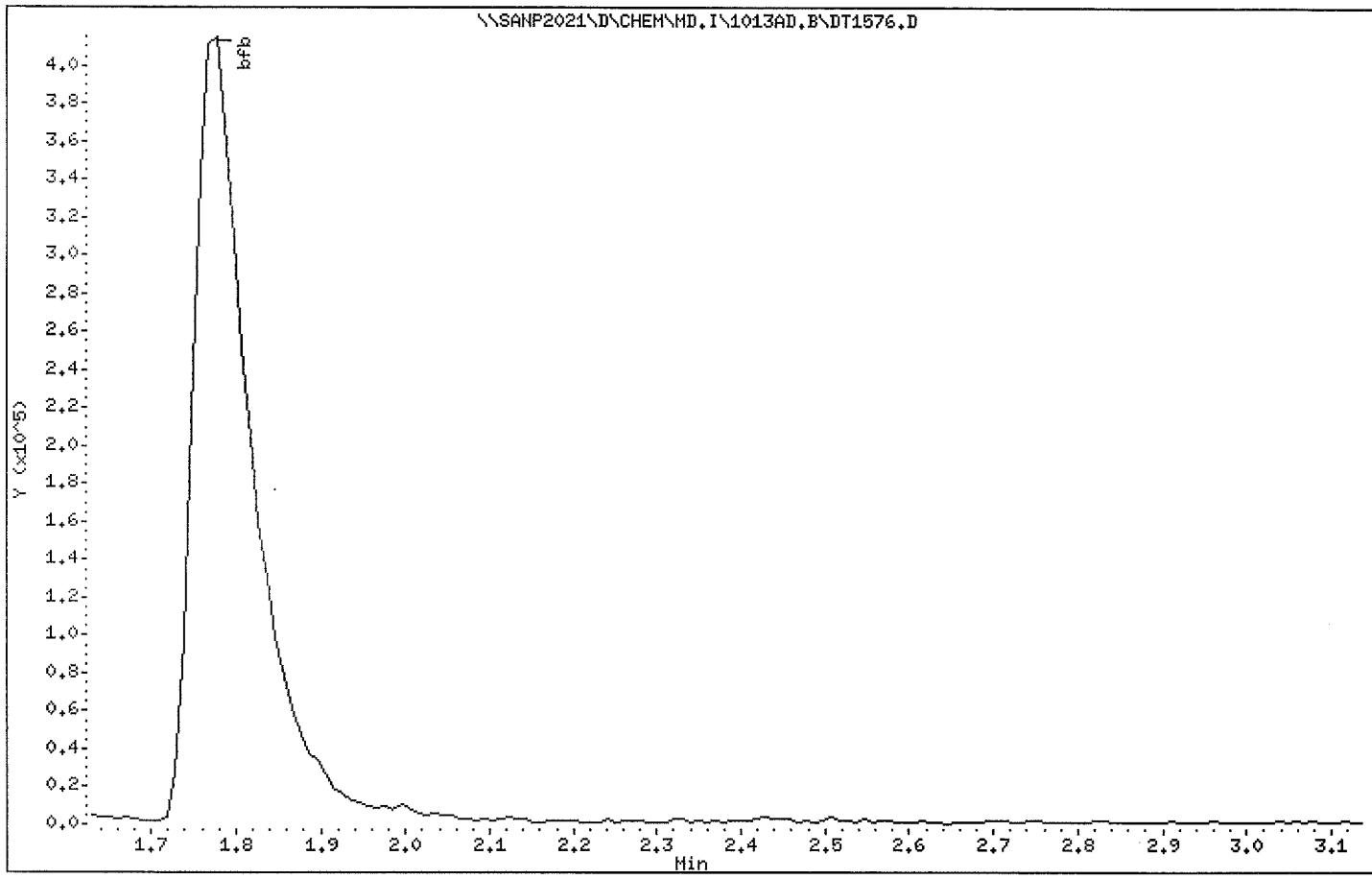
Instrument: md.i

Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\DT1576.D

Date : 13-OCT-2000 08:23

Client ID:

Instrument: md.i

Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Data File: DT1576.D
Spectrum: Avg. Scans 15-17 (1.78), Background Scan 8
Location of Maximum: 95.00
Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1079	51.00	5234	72.00	255	92.00	2449
37.00	4789	55.00	1339	73.00	3539	93.00	3273
38.00	4050	56.00	1477	74.00	13210	94.00	9109
39.00	2107	57.00	2555	75.00	40800	95.00	86168
41.00	1030	60.00	1204	76.00	3860	96.00	6057
42.00	615	61.00	4157	77.00	584	174.00	65168
44.00	656	62.00	3794	79.00	1984	175.00	5521
45.00	1065	63.00	2749	81.00	1966	176.00	62912
47.00	589	68.00	9448	87.00	3171	177.00	4992
49.00	3968	69.00	9551	88.00	2531	207.00	79
50.00	16321	70.00	904	91.00	275		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2536.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m

Injection Date: 13-OCT-2000 08:38
Init. Cal. Date(s): 04-OCT-2000 04-OCT-2000
Init. Cal. Times: 11:03 14:02

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Dichlorodifluoromethane	0.44644	0.17271	0.010	-61.3	50.0	<-
	2 Vinyl chloride (*)	0.21607	0.19492	0.010	-9.8	20.0	
	3 Chloromethane (**)	0.19012	0.16749	0.100	-11.9	50.0	
	4 Bromomethane	0.21985	0.17856	0.010	-18.8	50.0	
	5 Chloroethane	0.13964	0.14790	0.010	5.9	50.0	
	6 Trichlorofluoromethane	0.71629	0.54527	0.010	-23.9	50.0	
	7 Acrolein	0.01339	0.00838	0.001	-37.4	50.0	
	8 1,1-Dichloroethene(*)	0.28163	0.23617	0.010	-16.1	20.0	
	9 1,1,2-Trichlorotrifluoroeth	0.46984	0.35146	0.010	-25.2	50.0	
	10 Acetone	0.05535	0.04600	0.010	-16.9	50.0	
	11 Iodomethane	0.54249	0.48846	0.001	-10.0	50.0	
	12 Carbon disulfide	0.63173	0.57654	0.010	-8.7	50.0	
	13 Methylene chloride	0.28611	0.25036	0.010	-12.5	50.0	
	14 t-Butanol	0.00532	0.00456	0.001	-14.3	20.0	
	15 trans-1,2-Dichloroethene	0.32668	0.29243	0.010	-10.5	50.0	
	16 Acrylonitrile	0.04256	0.03519	0.001	-17.3	20.0	
	17 Methyl-tert-butyl ether[MTB	0.75221	0.65798	0.010	-12.5	50.0	
	18 1,1-Dichloroethane (**)	0.56293	0.54342	0.100	-3.5	50.0	
	19 Vinyl acetate	0.72587	0.66166	0.010	-8.8	50.0	
	20 Isopropyl ether	0.97354	1.06946	0.010	9.9	20.0	
	21 2,2-Dichloropropane	0.61103	0.57698	0.010	-5.6	50.0	
	22 Tert-butyl ethyl ether	0.93101	0.91591	0.010	-1.6	20.0	
	23 cis-1,2-Dichloroethene	0.33158	0.31840	0.010	-4.0	50.0	
	24 2-Butanone	0.09614	0.08035	0.010	-16.4	50.0	
	25 Bromochloromethane	0.21883	0.18088	0.010	-17.3	50.0	
	26 Chloroform (*)	0.73233	0.69891	0.010	-4.6	20.0	
	27 Tetrahydrofuran	0.05809	0.06218	0.010	7.0	50.0	
M	28 1,2-Dichloroethene (total)	0.32913	0.30541	0.010	-7.2	50.0	
$	29 Dibromofluoromethane	0.71120	0.60908	0.010	-14.4	50.0	
	30 1,1,1-Trichloroethane	0.76256	0.73305	0.010	-3.9	50.0	
	31 Carbon Tetrachloride	0.72937	0.65448	0.010	-10.3	50.0	
	32 1,1-Dichloropropene	0.54325	0.58087	0.010	6.9	50.0	
$	33 1,2-Dichloroethane-d4	0.48005	0.43909	0.010	-8.5	50.0	
	34 1,2-Dichloroethane-d4 2nd	0.09685	0.09700	0.010	0.2	50.0	
	35 Benzene	0.84852	0.89749	0.010	5.8	50.0	

10-14-00

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2536.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD
Method: \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m

Injection Date: 13-OCT-2000 08:38
Init. Cal. Date(s): 04-OCT-2000 04-OCT-2000
Init. Cal. Times: 11:03 14:02
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	36 1,2-Dichloroethane	0.53432	0.49856	0.010	-6.7	50.0
	37 Tert-amyl methyl ether	0.88326	0.92118	0.010	4.3	20.0
	39 Trichloroethene	0.46731	0.52007	0.010	11.3	50.0
	40 1,2-Dichloropropane(*)	0.34594	0.38642	0.010	11.7	20.0
	41 Dibromomethane	0.32224	0.29005	0.010	-10.0	50.0
	42 Bromodichloromethane	0.71616	0.72575	0.010	1.3	50.0
	43 1-Bromo-2-chloroethane	0.78851	0.75650	0.010	-4.1	50.0
	44 2-Chloroethylvinyl ether	0.04393	0.03855	0.010	-12.2	20.0
	45 cis-1,3-Dichloropropene	0.54033	0.60319	0.010	11.6	50.0
	46 4-Methyl-2-pentanone	0.26017	0.25441	0.010	-2.2	50.0
$	47 Toluene-d8	1.15749	1.21560	0.010	5.0	50.0
	48 Toluene (*)	1.22215	1.33191	0.010	9.0	20.0
	49 trans-1,3-Dichloropropene	0.55799	0.61409	0.010	10.1	50.0
	50 1,1,2-Trichloroethane	0.40315	0.39828	0.010	-1.2	50.0
	51 Tetrachloroethene	0.55481	0.56821	0.010	2.4	50.0
	52 1,3-Dichloropropane	0.63464	0.63752	0.010	0.5	50.0
	53 2-Hexanone	0.22062	0.21185	0.010	-4.0	50.0
	54 Dibromochloromethane	0.73783	0.66743	0.010	-9.5	50.0
	55 1,2-Dibromoethane	0.61043	0.55099	0.010	-9.7	50.0
	57 Chlorobenzene (**)	0.98253	1.03596	0.300	5.4	50.0
	58 1,1,1,2-Tetrachloroethane	0.59402	0.59794	0.010	0.7	50.0
	59 Ethylbenzene (*)	0.45846	0.52480	0.010	14.5	20.0
	60 m,p-Xylenes	0.57596	0.67296	0.010	16.8	50.0
	61 o-Xylene	0.55644	0.64158	0.010	15.3	50.0
	62 Styrene	0.92422	1.02947	0.010	11.4	50.0
M	63 Xylenes (total)	0.56945	0.66250	0.010	16.3	50.0
	64 Bromoform (**)	0.59517	0.49399	0.100	-17.0	50.0
	65 Isopropylbenzene	1.75437	2.00999	0.010	14.6	50.0
	66 4-Bromofluorobenzene-2nd	0.99560	0.96302	0.010	-3.3	50.0
$	67 4-Bromofluorobenzene	1.32880	1.42520	0.010	7.3	50.0
	68 Bromobenzene	0.83061	0.88982	0.010	7.1	50.0
	69 1,1,2,2-Tetrachloroethane(*	0.85523	0.82608	0.300	-3.4	50.0
	70 1,2,3-Trichloropropane	0.28010	0.27371	0.010	-2.3	50.0
	71 n-Propylbenzene	2.58803	3.18665	0.010	23.1	50.0
	72 2-Chlorotoluene	0.62571	0.72134	0.010	15.3	50.0
	73 4-Chlorotoluene	0.65344	0.75634	0.010	15.7	50.0

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2536.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m

Injection Date: 13-OCT-2000 08:38
Init. Cal. Date(s): 04-OCT-2000 04-OCT-2000
Init. Cal. Times: 11:03 14:02

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.08187	2.53076	0.010	21.6	50.0
75 tert-Butylbenzene	2.15036	2.54088	0.010	18.2	50.0
76 1,2,4-Trimethylbenzene	2.11961	2.50649	0.010	18.3	50.0
77 sec-Butylbenzene	2.82015	3.36110	0.010	19.2	50.0
78 1,3-Dichlorobenzene	1.39311	1.47564	0.010	5.9	50.0
80 1,4-Dichlorobenzene	1.51990	1.58831	0.010	4.5	50.0
81 p-Isopropyltoluene	2.32696	2.68003	0.010	15.2	50.0
82 1,2-Dichlorobenzene	1.33233	1.39343	0.010	4.6	50.0
83 n-Butylbenzene	2.22197	2.53113	0.010	13.9	50.0
84 1,2-Dibromo-3-chloropropane	0.28987	0.22524	0.010	-22.3	50.0
85 1,2,4-Trichlorobenzene	1.23050	1.16418	0.010	-5.4	50.0
86 Hexachlorobutadiene	0.92928	0.88917	0.010	-4.3	50.0
87 Napthalene	1.86163	1.65621	0.010	-11.0	50.0
88 1,2,3-Trichlorobenzene	1.14824	1.03136	0.010	-10.2	50.0

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2021\D\CHEM\MD.I\1013AD.B/DS2536.D
Inj. Date : 13-OCT-2000 08:38

ICAL Mid Point : //SANP2021/D/chem/md.i/1004AD.B/DS2515.D
Inj. Date : 04-OCT-2000 11:03

IS NAME	ICAL RT	CCV RT	DIFF.	ICAL AREA	CCV AREA	%DIFF.
Fluorobenzene	7.10	7.10	0.00	1480718	1382769	93.4%
Chlorobenzene-d5	12.63	12.62	0.01	1259551	1198105	95.1%
1,4-Dichlorobenzene-d4	17.27	17.28	-0.01	906122	785924	86.7%

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2536.D
Lab Smp Id: 50 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Misc Info: 1251-2;49-2;55-1,,5,,2,all.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 08:38

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1382769	691385	2765538	1382769	0.00
56 Chlorobenzene-d5	1198105	599053	2396210	1198105	0.00
79 1,4-Dichlorobenze	785924	392962	1571848	785924	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.10	0.00
56 Chlorobenzene-d5	12.62	12.12	13.12	12.62	0.00
79 1,4-Dichlorobenze	17.28	16.78	17.78	17.28	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 Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\DS2536.D
Lab Smp Id: 50 PPB 8260B STD
Inj Date : 13-OCT-2000 08:38
Operator : GFB Inst ID: md.i
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1251-2;49-2;55-1,,5,,2,all.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 09:02 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.464	1.464	(0.206)	238822	50.0000	19.34
2 Vinyl chloride (*)	62	1.700	1.700	(0.240)	269534	50.0000	45.10
3 Chloromethane (**)	50	1.622	1.622	(0.228)	231599	50.0000	44.05
4 Bromomethane	94	1.976	1.976	(0.278)	246900	50.0000	40.61
5 Chloroethane	64	2.065	2.065	(0.291)	204510	50.0000	52.96
6 Trichlorofluoromethane	101	2.301	2.301	(0.324)	753979	50.0000	38.06
7 Acrolein	56	2.715	2.715	(0.382)	115824	500.000	312.8(AQ)
8 1,1-Dichloroethene(*)	96	2.794	2.794	(0.394)	326568	50.0000	41.93
9 1,1,2-Trichlorotrifluoroethan	151	2.794	2.794	(0.394)	485991	50.0000	37.40
10 Acetone	43	2.863	2.863	(0.403)	318029	250.000	207.7(Q)
11 Iodomethane	142	2.942	2.942	(0.414)	1350860	100.000	90.04
12 Carbon disulfide	76	3.011	3.011	(0.424)	797219	50.0000	45.63
13 Methylene chloride	84	3.326	3.326	(0.469)	346185	50.0000	43.75
14 t-Butanol	59	3.572	3.572	(0.503)	157515	1250.00	1071

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	15 trans-1,2-Dichloroethene	96	3.681	3.681	(0.518)	404364	50.0000	44.76
	16 Acrylonitrile	53	3.661	3.661	(0.516)	486595	500.000	413.4(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.710	3.710	(0.523)	909841	50.0000	43.74
	18 1,1-Dichloroethane (**)	63	4.262	4.262	(0.600)	751418	50.0000	48.27
	19 Vinyl acetate	43	4.400	4.400	(0.620)	1829846	100.000	91.15
	20 Isopropyl ether	45	4.439	4.439	(0.625)	1478812	50.0000	54.93
	21 2,2-Dichloropropane	77	5.168	5.168	(0.728)	797830	50.0000	47.21
	22 Tert-butyl ethyl ether	59	5.011	5.011	(0.706)	1266490	50.0000	49.19
	23 cis-1,2-Dichloroethene	96	5.188	5.188	(0.731)	440271	50.0000	48.01
	24 2-Butanone	43	5.267	5.267	(0.742)	555512	250.000	208.9
	25 Bromochloromethane	128	5.563	5.563	(0.784)	250117	50.0000	41.33
	26 Chloroform (*)	83	5.730	5.730	(0.807)	966427	50.0000	47.72
	27 Tetrahydrofuran	42	5.671	5.671	(0.799)	85980	50.0000	53.52
M	28 1,2-Dichloroethene (total)	100				844636	100.000	92.77
$	29 Dibromofluoromethane	111	5.996	5.996	(0.845)	842217	50.0000	42.82
	30 1,1,1-Trichloroethane	97	5.976	5.976	(0.842)	1013638	50.0000	48.06
	31 Carbon Tetrachloride	117	6.252	6.252	(0.881)	904989	50.0000	44.86
	32 1,1-Dichloropropene	75	6.252	6.252	(0.881)	803214	50.0000	53.46
$	33 1,2-Dichloroethane-d4	65	6.528	6.528	(0.920)	607154	50.0000	45.73
	34 1,2-Dichloroethane-d4 2nd	102	6.528	6.528	(0.920)	134126	50.0000	50.08
	35 Benzene	78	6.607	6.607	(0.931)	1241016	50.0000	52.88
	36 1,2-Dichloroethane	62	6.666	6.666	(0.939)	689391	50.0000	46.65
	37 Tert-amyl methyl ether	73	6.902	6.902	(0.972)	1273782	50.0000	52.15
*	38 Fluorobenzene	96	7.100	7.100	(1.000)	1382769	50.0000	
	39 Trichloroethene	130	7.740	7.740	(1.090)	719138	50.0000	55.64
	40 1,2-Dichloropropane(*)	63	8.124	8.124	(1.144)	534323	50.0000	55.85
	41 Dibromomethane	93	8.331	8.331	(1.173)	401070	50.0000	45.00
	42 Bromodichloromethane	83	8.656	8.656	(1.219)	1003543	50.0000	50.67
	43 1-Bromo-2-chloroethane	63	9.168	9.168	(1.291)	1046064	50.0000	47.97
	44 2-Chloroethylvinyl ether	106	9.267	9.267	(1.305)	106601	100.000	87.75(Q)
	45 cis-1,3-Dichloropropene	75	9.474	9.474	(1.334)	834074	50.0000	55.82
	46 4-Methyl-2-pentanone	43	9.829	9.829	(1.384)	1758980	250.000	244.5
$	47 Toluene-d8	98	9.927	9.927	(0.787)	1456416	50.0000	52.51
	48 Toluene (*)	91	10.045	10.045	(0.796)	1595773	50.0000	54.49
	49 trans-1,3-Dichloropropene	75	10.528	10.528	(0.834)	735747	50.0000	55.03
	50 1,1,2-Trichloroethane	97	10.843	10.843	(0.859)	477186	50.0000	49.40
	51 Tetrachloroethene	164	11.060	11.060	(0.877)	680773	50.0000	51.21
	52 1,3-Dichloropropane	76	11.149	11.149	(0.884)	763811	50.0000	50.23
	53 2-Hexanone	43	11.385	11.385	(0.902)	1269121	250.000	240.1
	54 Dibromochloromethane	129	11.553	11.553	(0.916)	799651	50.0000	45.23
	55 1,2-Dibromoethane	107	11.701	11.701	(0.927)	660138	50.0000	45.13
*	56 Chlorobenzene-d5	117	12.617	12.617	(1.000)	1198105	50.0000	
	57 Chlorobenzene (**)	112	12.676	12.676	(1.005)	1241186	50.0000	52.72
	58 1,1,1,2-Tetrachloroethane	131	12.873	12.873	(1.020)	716390	50.0000	50.33
	59 Ethylbenzene (*)	106	12.942	12.942	(1.026)	628761	50.0000	57.24
	60 m,p-Xylenes	106	13.178	13.178	(1.045)	1612550	100.000	116.8
	61 o-Xylene	106	13.937	13.937	(1.105)	768685	50.0000	57.65

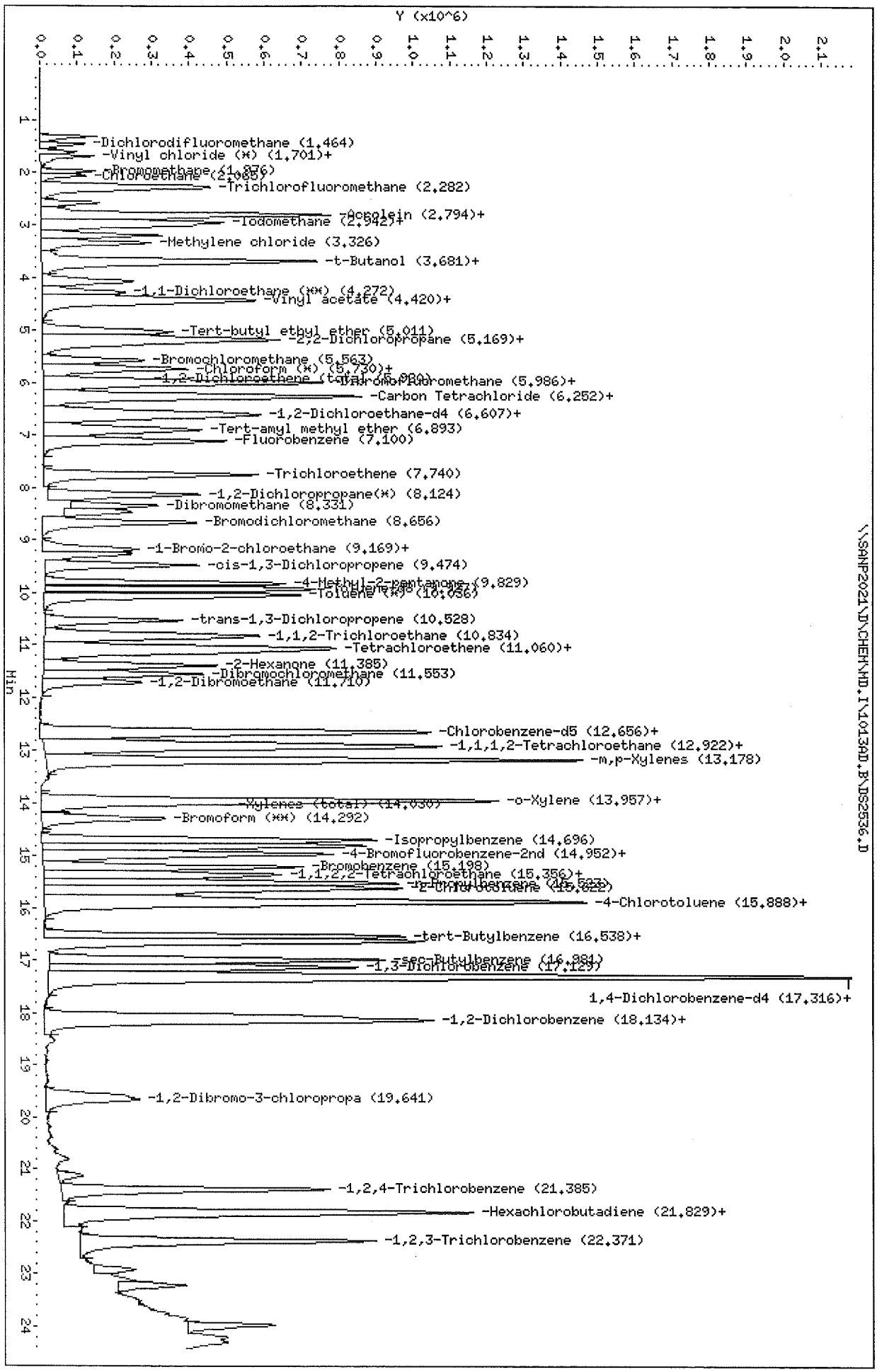
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.976	13.976	(1.108)	1233417	50.0000	55.69
M	63 Xylenes (total)	100				2381236	150.000	174.5
	64 Bromoform (**)	173	14.292	14.292	(1.133)	591850	50.0000	41.50
	65 Isopropylbenzene	105	14.705	14.705	(1.166)	2408179	50.0000	57.28
	66 4-Bromofluorobenzene-2nd	174	14.962	14.962	(0.866)	756859	50.0000	48.36
$	67 4-Bromofluorobenzene	95	14.972	14.972	(0.867)	1120102	50.0000	53.63
	68 Bromobenzene	156	15.198	15.198	(0.880)	699330	50.0000	53.56
	69 1,1,2,2-Tetrachloroethane(**)	83	15.346	15.346	(0.888)	649239	50.0000	48.30
	70 1,2,3-Trichloropropane	110	15.375	15.375	(0.890)	215115	50.0000	48.86
	71 n-Propylbenzene	91	15.523	15.523	(0.898)	2504469	50.0000	61.56
	72 2-Chlorotoluene	126	15.632	15.632	(0.905)	566917	50.0000	57.64
	73 4-Chlorotoluene	126	15.858	15.858	(0.918)	594427	50.0000	57.87
	74 1,3,5-Trimethylbenzene	105	15.907	15.907	(0.921)	1988986	50.0000	60.78
	75 tert-Butylbenzene	119	16.538	16.538	(0.957)	1996941	50.0000	59.08
	76 1,2,4-Trimethylbenzene	105	16.646	16.646	(0.964)	1969910	50.0000	59.13
	77 sec-Butylbenzene	105	16.991	16.991	(0.983)	2641566	50.0000	59.59
	78 1,3-Dichlorobenzene	146	17.129	17.129	(0.991)	1159741	50.0000	52.96
*	79 1,4-Dichlorobenzene-d4	152	17.277	17.277	(1.000)	785924	50.0000	
	80 1,4-Dichlorobenzene	146	17.326	17.326	(1.003)	1248288	50.0000	52.25
	81 p-Isopropyltoluene	119	17.316	17.316	(1.002)	2106297	50.0000	57.59
	82 1,2-Dichlorobenzene	146	18.055	18.055	(1.045)	1095127	50.0000	52.29
	83 n-Butylbenzene	91	18.154	18.154	(1.051)	1989275	50.0000	56.96
	84 1,2-Dibromo-3-chloropropane	157	19.681	19.681	(1.139)	177024	50.0000	38.85
	85 1,2,4-Trichlorobenzene	180	21.395	21.395	(1.238)	914957	50.0000	47.30
	86 Hexachlorobutadiene	225	21.809	21.809	(1.262)	698820	50.0000	47.84
	87 Napthalene	128	21.868	21.868	(1.266)	1301653	50.0000	44.48
	88 1,2,3-Trichlorobenzene	180	22.371	22.371	(1.295)	810567	50.0000	44.91

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\013AD.B\DS2536.D
Date : 13-OCT-2000 08:38
Client ID:
Sample Info: 50 PPB 8260B STD,,3,0,,,8260BDA,M
Column phase: J&W DB-624

Instrument: md.i
Operator: GFB
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12972.D
Lab Smp Id: LCS-1013AD Client Smp ID: D12972
Inj Date : 13-OCT-2000 09:20
Operator : GFB Inst ID: md.i
Smp Info : LCS-1013AD,LCS,2,,0,1,0,8260BDA.M,D12972
Misc Info : 1253-1,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 09:02 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.788	2.794	(0.392)	378312	42.9450	42.94
$ 29 Dibromofluoromethane	111	6.000	5.996	(0.845)	905486	40.7035	40.70
$ 33 1,2-Dichloroethane-d4	65	6.532	6.528	(0.920)	754240	50.2303	50.23
34 1,2-Dichloroethane-d4 2nd	102	6.542	6.528	(0.921)	154585	51.0287	51.03
35 Benzene	78	6.591	6.607	(0.928)	1313693	49.4959	49.50
* 38 Fluorobenzene	96	7.103	7.100	(1.000)	1563981	50.0000	
39 Trichloroethene	130	7.744	7.740	(1.090)	732972	50.1438	50.14
$ 47 Toluene-d8	98	9.931	9.927	(0.787)	1564769	47.3890	47.39
48 Toluene (*)	91	10.049	10.045	(0.796)	1750557	50.2106	50.21
* 56 Chlorobenzene-d5	117	12.620	12.617	(1.000)	1426354	50.0000	
57 Chlorobenzene (**)	112	12.680	12.676	(1.005)	1316040	46.9534	46.95
$ 67 4-Bromofluorobenzene	95	14.965	14.972	(0.866)	1265028	47.4137	47.41
66 4-Bromofluorobenzene-2nd	174	14.975	14.962	(0.867)	868763	43.4593	43.46
* 79 1,4-Dichlorobenzene-d4	152	17.281	17.277	(1.000)	1003934	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12972.D

Date : 13-OCT-2000 09:20

Client ID: D12972

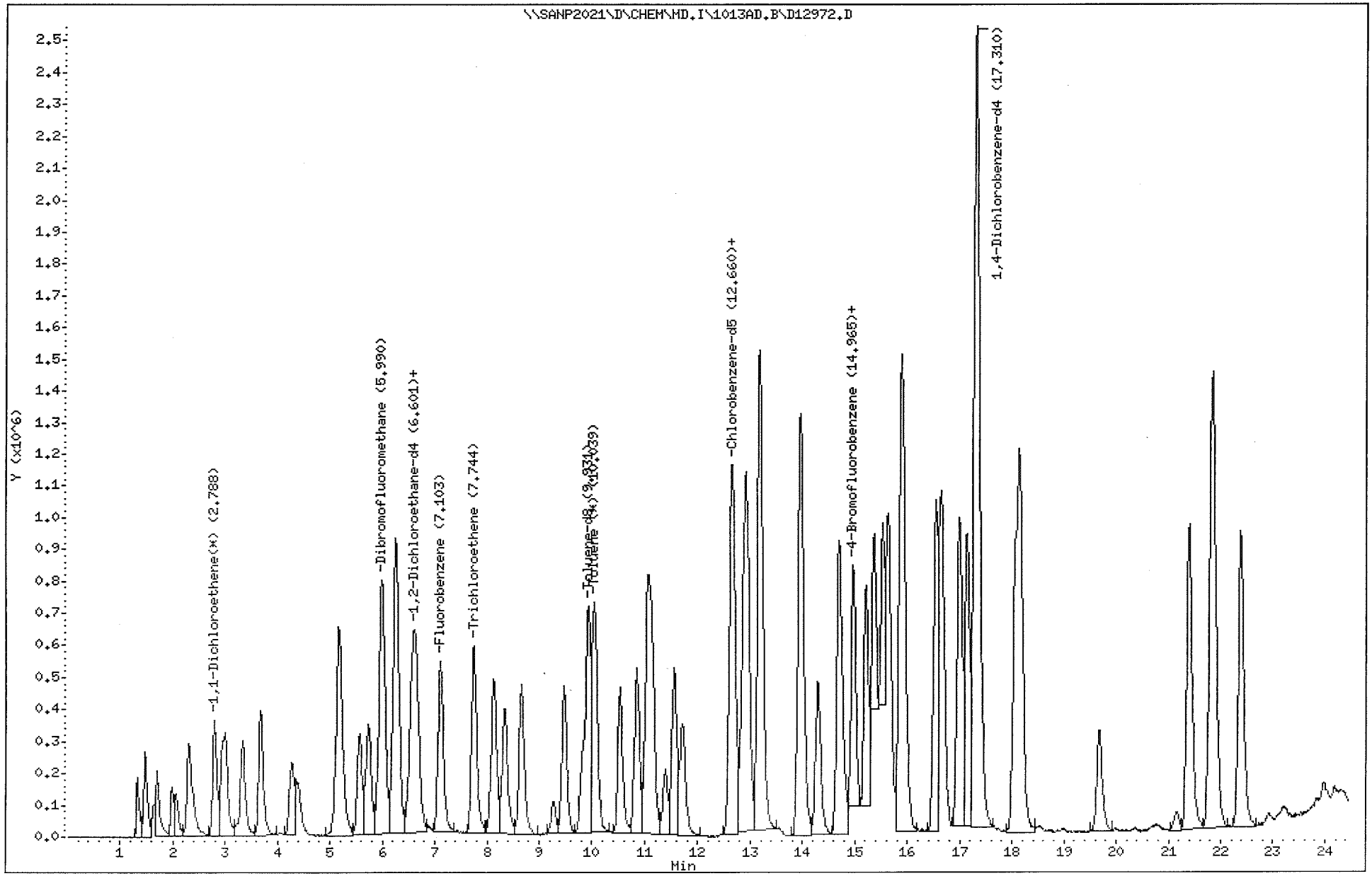
Sample Info: LCS-1013AD,LCS,2,,0,1,0,8260BDA.M,D12972

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000351

BOE-C6-0155016

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12973.D
Lab Smp Id: MB-1013AD Client Smp ID: D12973
Inj Date : 13-OCT-2000 09:52
Operator : GFB Inst ID: md.i
Smp Info : MB-1013AD,BLANK,2,,0,1,0,8260BDA.M,D12973
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 09:02 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
$ 29 Dibromofluoromethane	111	6.008	5.996	(0.845)	900592	41.8703	41.87	
$ 33 1,2-Dichloroethane-d4	65	6.530	6.528	(0.918)	698270	48.0959	48.10	
34 1,2-Dichloroethane-d4 2nd	102	6.540	6.528	(0.920)	135512	46.2650	46.26	
* 38 Fluorobenzene	96	7.111	7.100	(1.000)	1512179	50.0000		
$ 47 Toluene-d8	98	9.929	9.927	(0.787)	1477467	45.0842	45.08	
* 56 Chlorobenzene-d5	117	12.618	12.617	(1.000)	1415624	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.973	14.962	(0.866)	842236	42.9973	43.00	
$ 67 4-Bromofluorobenzene	95	14.973	14.972	(0.866)	1211628	46.3446	46.34	
* 79 1,4-Dichlorobenzene-d4	152	17.288	17.277	(1.000)	983737	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1013AD.B\D12973.D
Lab Smp Id: MB-1013AD Client Smp ID: D12973
Inj Date : 13-OCT-2000 09:52
Operator : GFB Inst ID: md.i
Smp Info : MB-1013AD,BLANK,2,,0,1,0,8260BDA.M,D12973
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1013AD
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12973
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

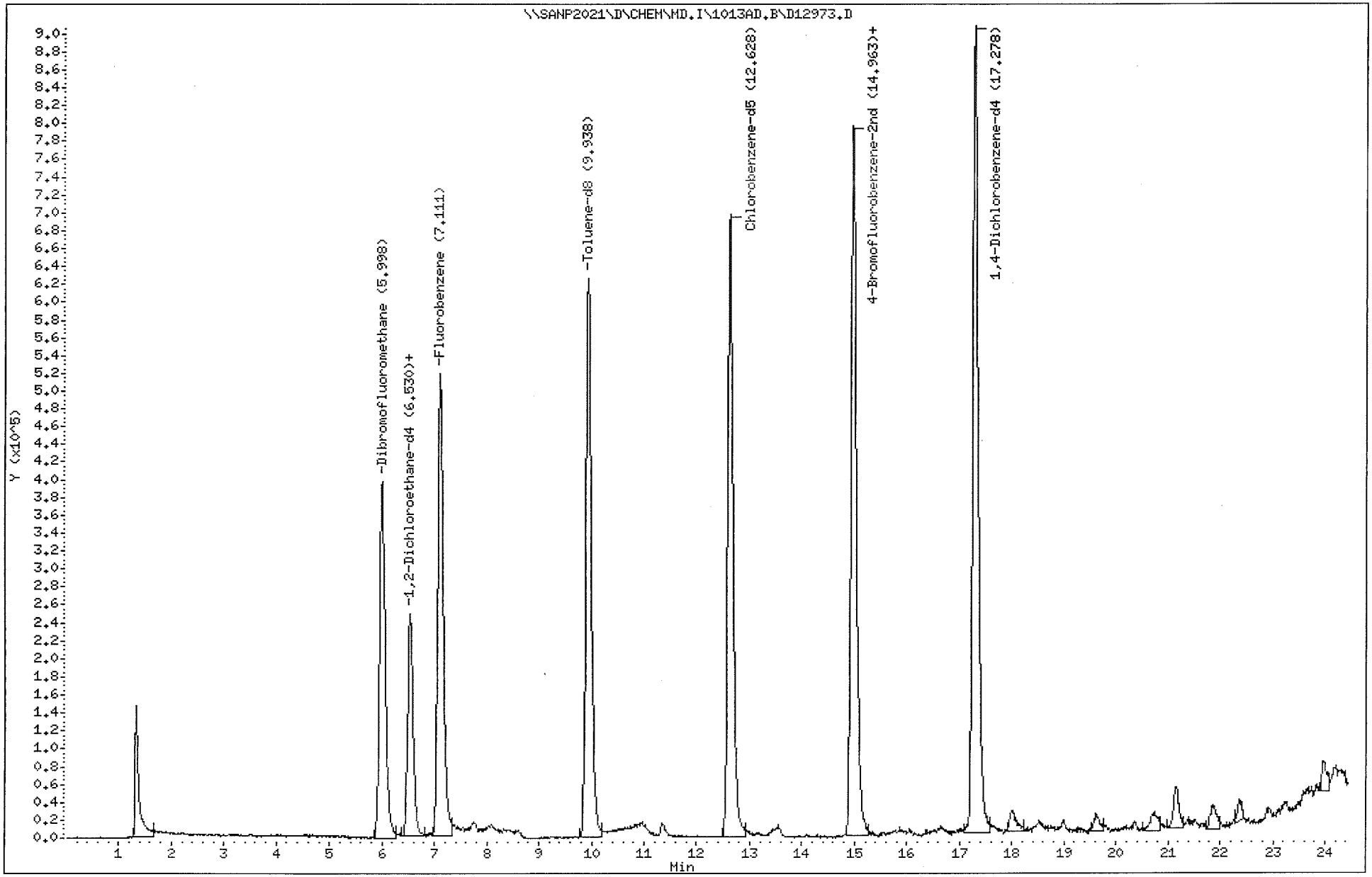
Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12973.D
Date : 13-OCT-2000 09:52
Client ID: D12973
Sample Info: MB-1013AD,BLANK,2,,0,1,0,8260BDA.M,D12973

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000355

BOE-C6-0155020

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12973.D

Date : 13-OCT-2000 09:52

Client ID: D12973

Instrument: md.i

Sample Info: MB-1013AD,BLANK,2,,0,1,0,8260BDA,M,D12973

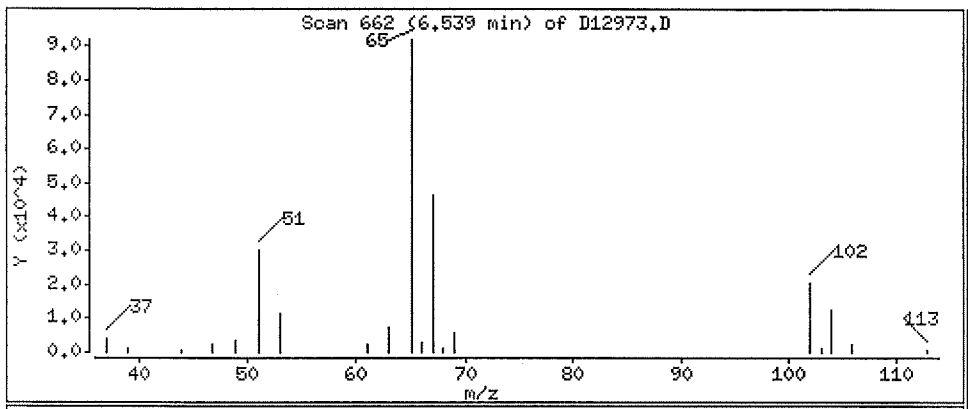
Operator: GFB

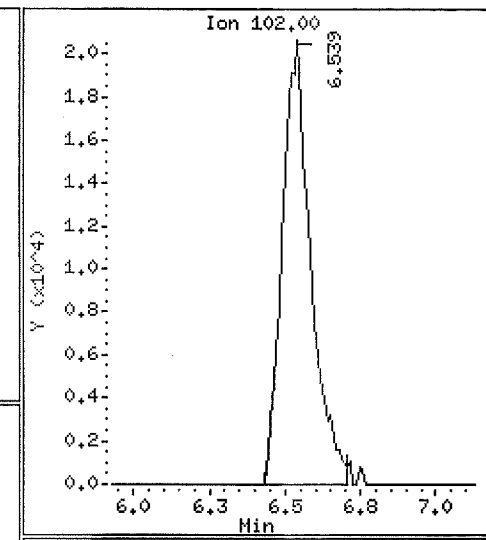
Column phase: J&W DB-624

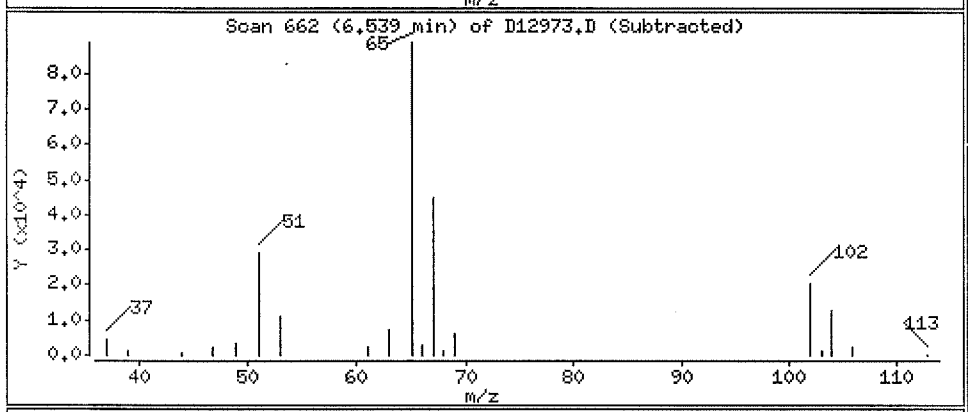
Column diameter: 0.53

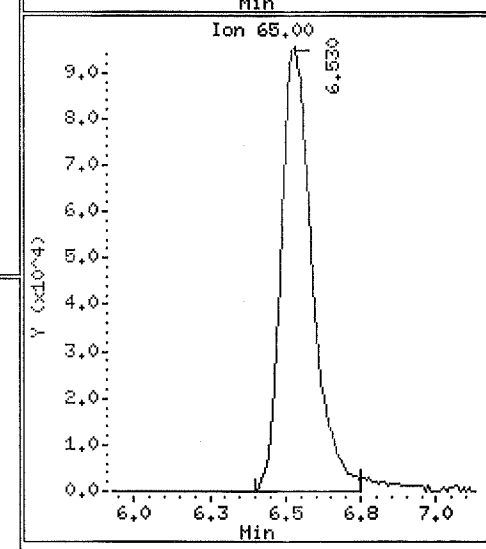
34 1,2-Dichloroethane-d4 2nd

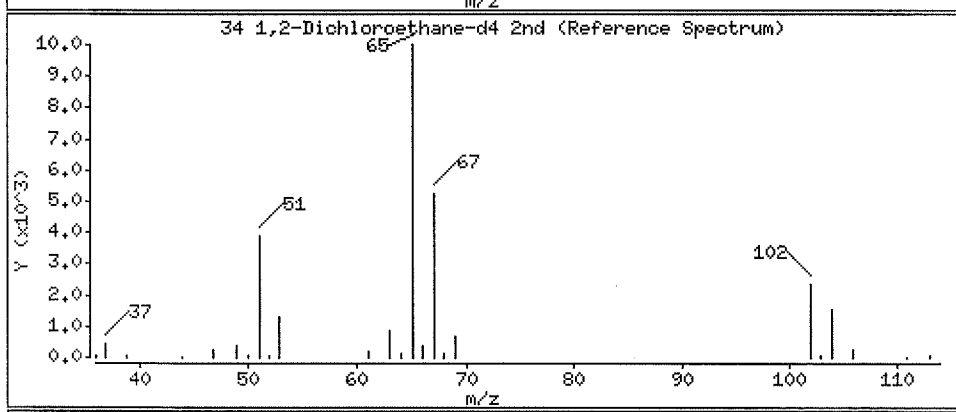
Concentration: 46.26 ug/Kg

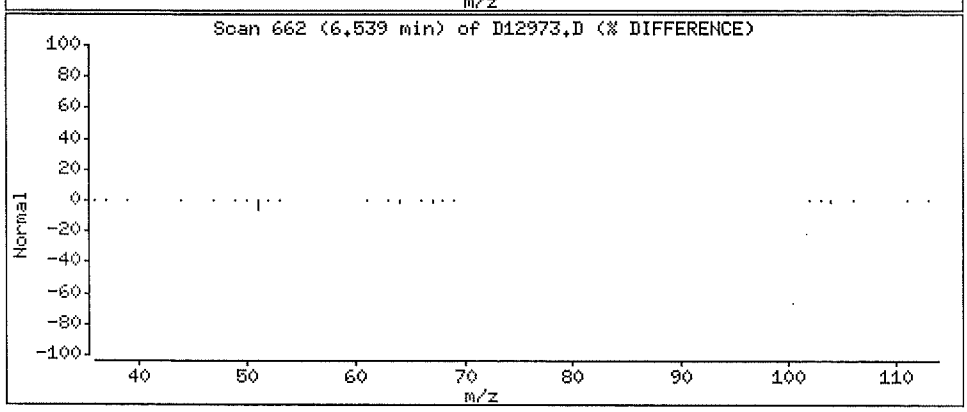












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12973.D

Date : 13-OCT-2000 09:52

Client ID: D12973

Instrument: md.i

Sample Info: MB-1013AD,BLANK,2,,0,1,0,8260BDA,M,D12973

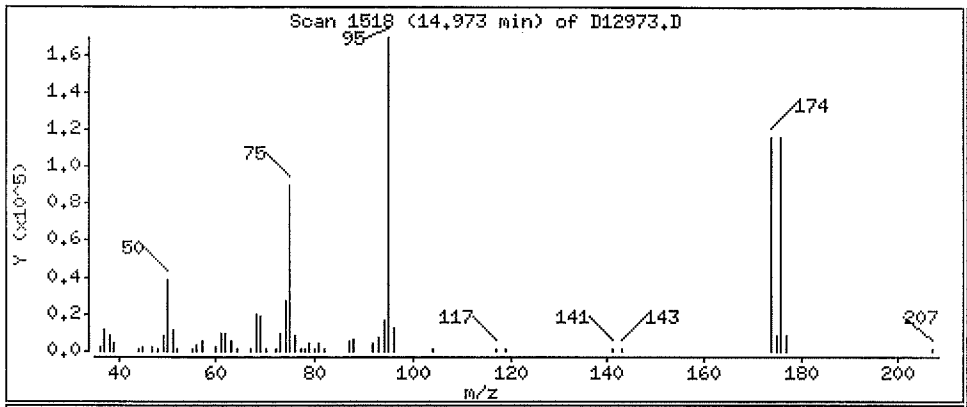
Operator: GFB

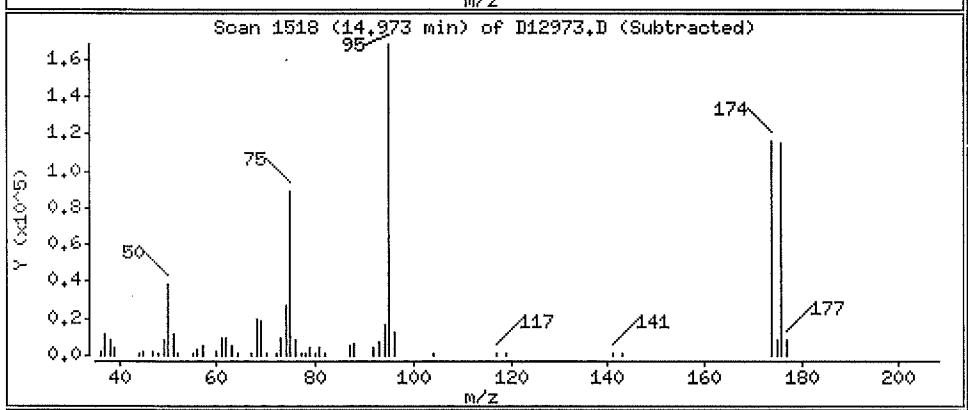
Column phase: J&W DB-624

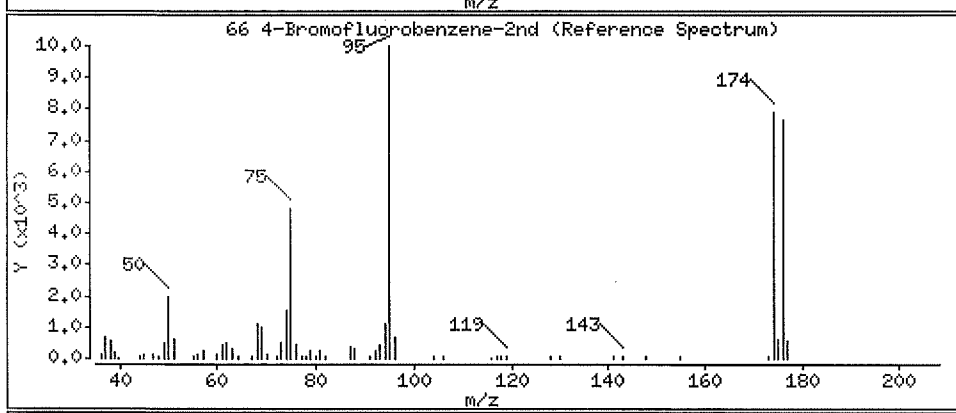
Column diameter: 0.53

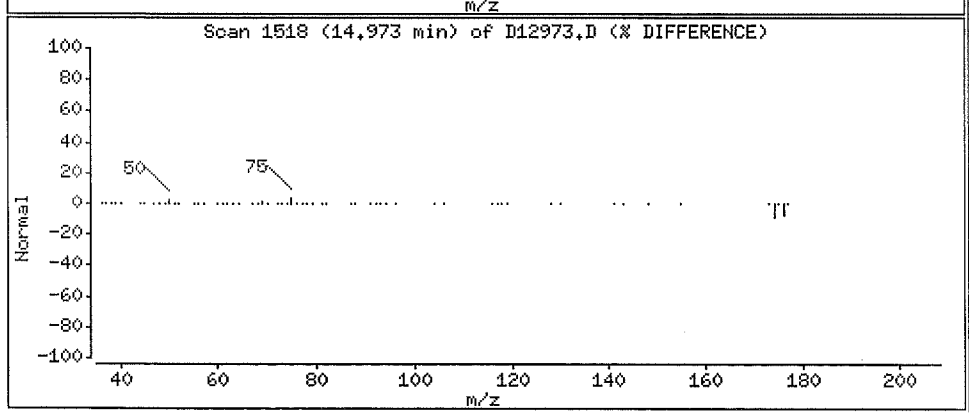
66 4-Bromofluorobenzene-2nd

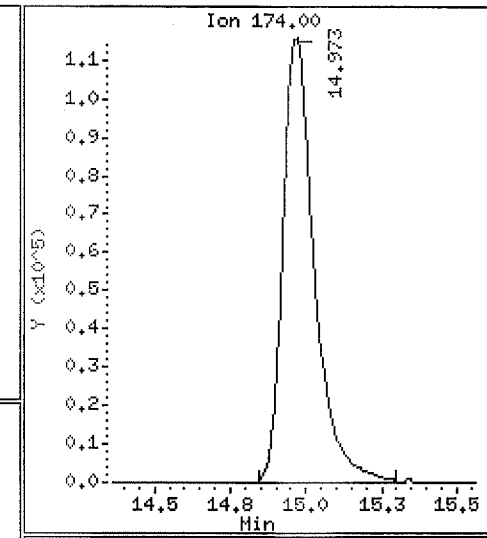
Concentration: 43.00 ug/Kg

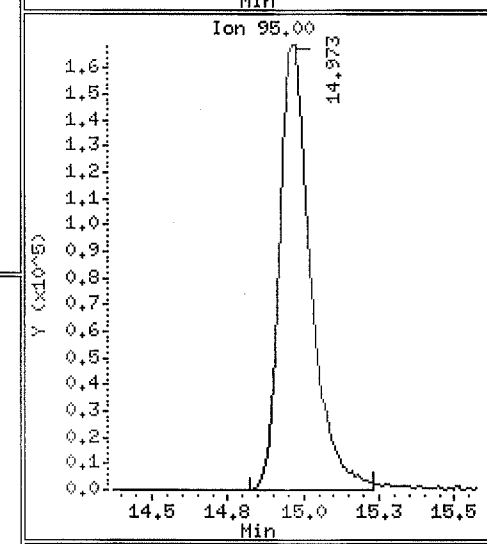


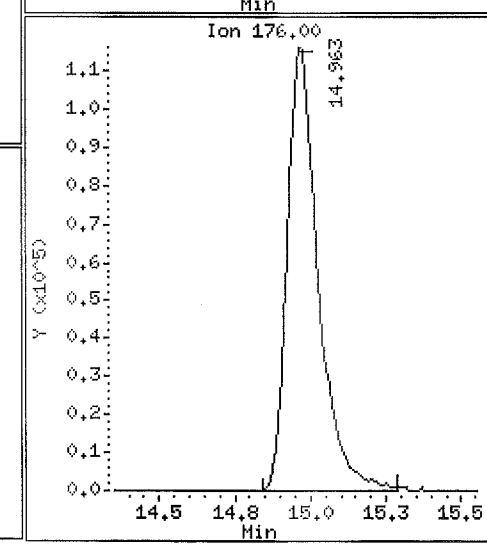












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12982.D
Lab Smp Id: DLH33101 Client Smp ID: D12982
Inj Date : 13-OCT-2000 14:45
Operator : GFB Inst ID: md.i
Smp Info : DLH33101,,2,,0,1,0,8260BDA.M,D12982
Misc Info : E0J040125-1,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
$ 29 Dibromofluoromethane	111	5.991	5.996	(0.843)	815818	38.8911	38.89	
$ 33 1,2-Dichloroethane-d4	65	6.533	6.528	(0.920)	674693	47.6508	47.65	
34 1,2-Dichloroethane-d4 2nd	102	6.533	6.528	(0.920)	134883	47.2184	47.22	
* 38 Fluorobenzene	96	7.105	7.100	(1.000)	1474769	50.0000		
$ 47 Toluene-d8	98	9.932	9.927	(0.788)	1417507	44.3712	44.37	
* 56 Chlorobenzene-d5	117	12.612	12.617	(1.000)	1379997	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.967	14.962	(0.866)	830096	44.0071	44.01	
$ 67 4-Bromofluorobenzene	95	14.957	14.972	(0.865)	1159695	46.0639	46.06	
* 79 1,4-Dichlorobenzene-d4	152	17.282	17.277	(1.000)	947310	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12982.D
Lab Smp Id: DLH33101 Client Smp ID: D12982
Inj Date : 13-OCT-2000 14:45
Operator : GFB Inst ID: md.i
Smp Info : DLH33101,,2,,0,1,0,8260BDA.M,D12982
Misc Info : E0J040125-1,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.105	3634696	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.321	721855	9.93006333	9.93	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH33101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12982
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.321	9.93	J

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12982.D

Page 9

Date : 13-OCT-2000 14:45

Client ID: D12982

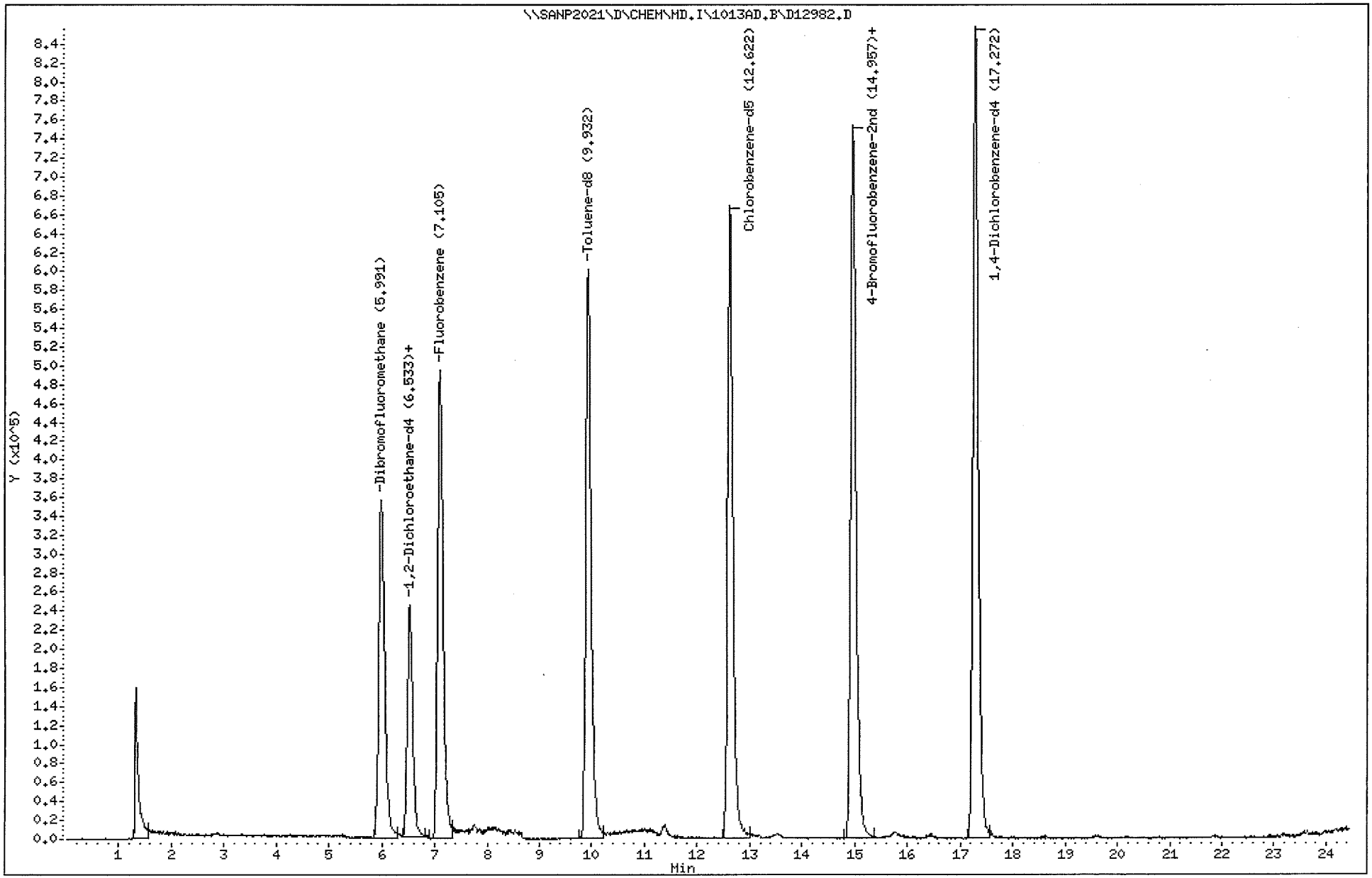
Instrument: md.i

Sample Info: DLH33101,,2,,0,1,0,8260BDA.M,D12982

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000361

BOE-C6-0155026

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12982.D

Date : 13-OCT-2000 14:45

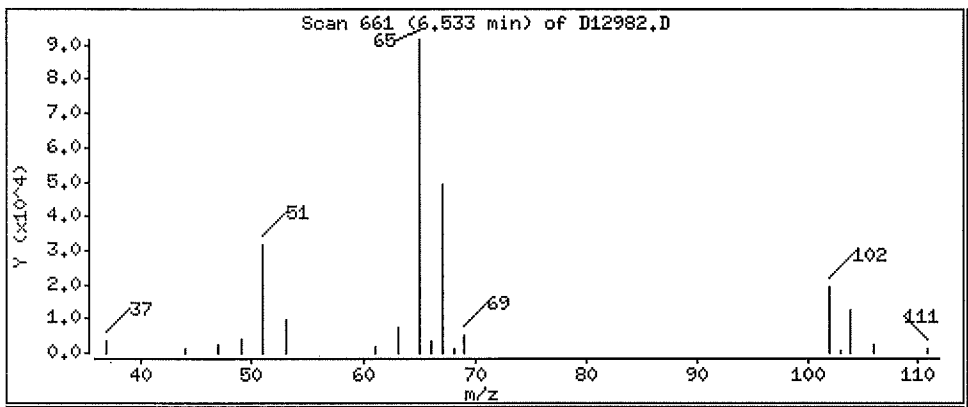
Client ID: D12982 Instrument: md.i

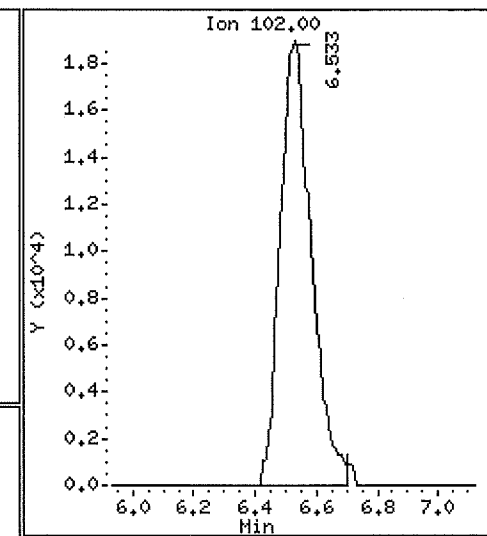
Sample Info: DLH33101,,2,,0,1,0,8260BDA.M,D12982

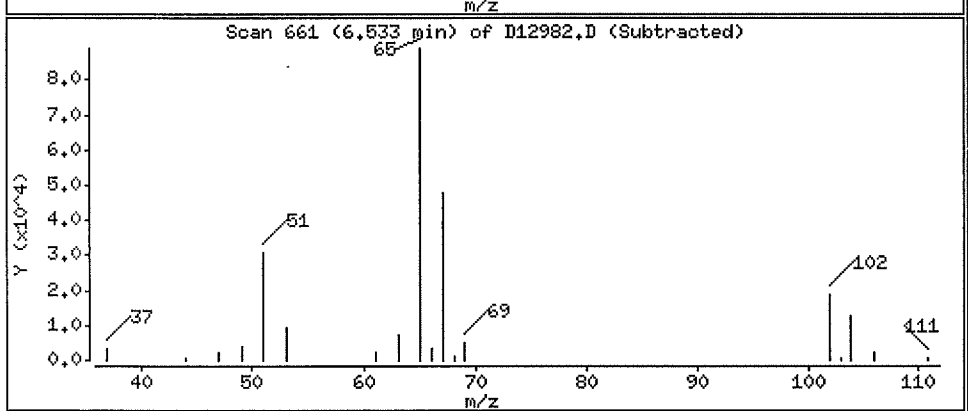
Operator: GFB

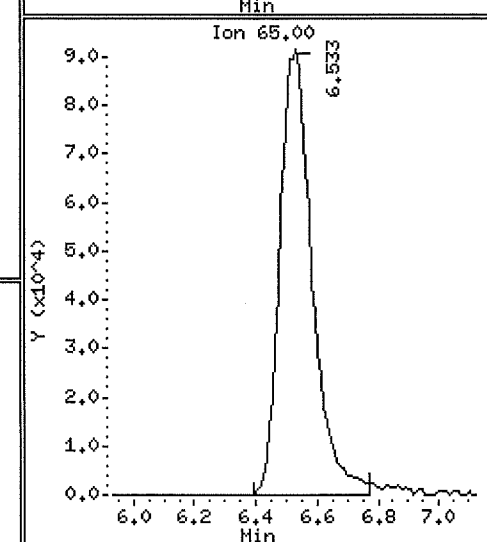
Column phase: J&W DB-624 Column diameter: 0.53

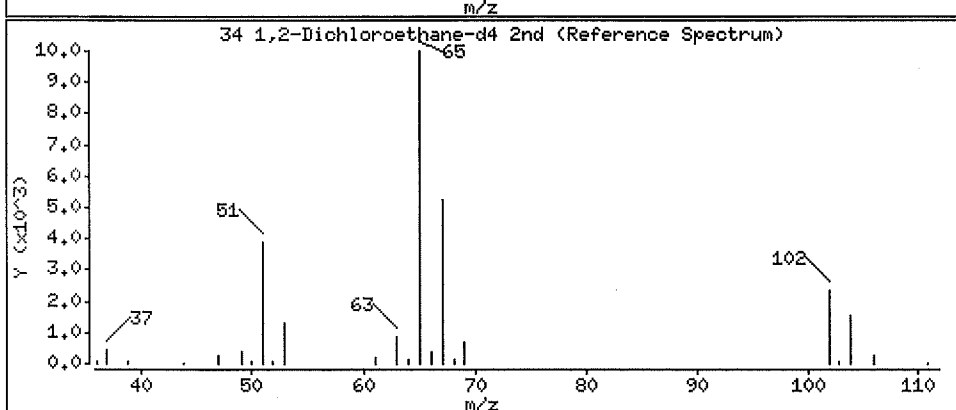
34 1,2-Dichloroethane-d4 2nd Concentration: 47.22 ug/Kg

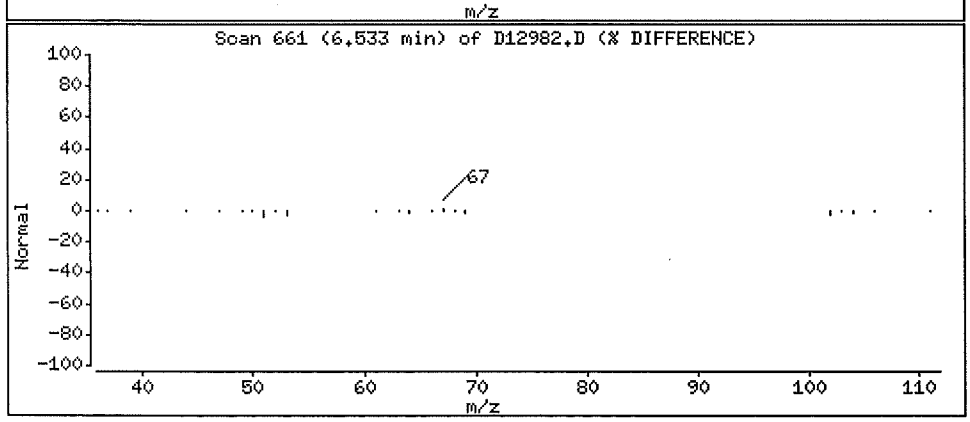












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12982.D

Date : 13-OCT-2000 14:45

Client ID: D12982

Instrument: md.i

Sample Info: DLH33101,,2,,0,1,0,8260BDA.M,D12982

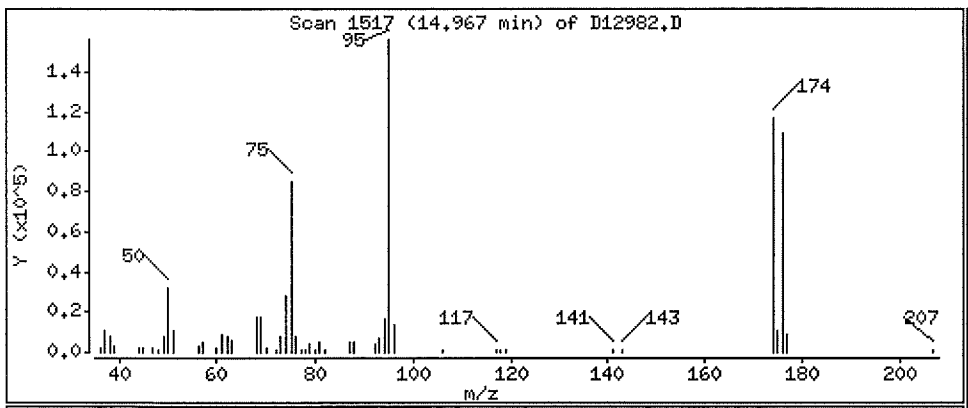
Operator: GFB

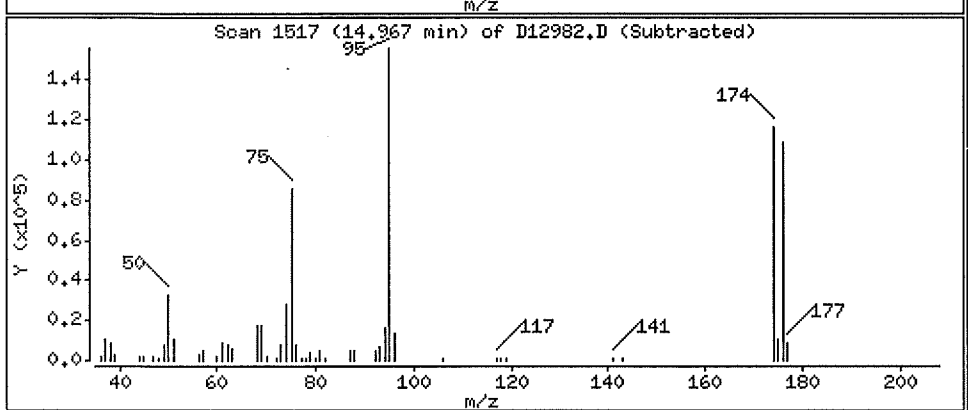
Column phase: J&W DB-624

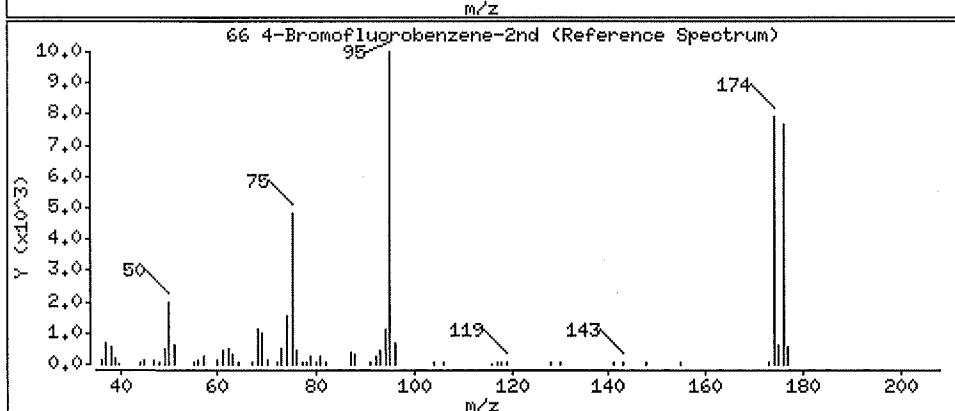
Column diameter: 0.53

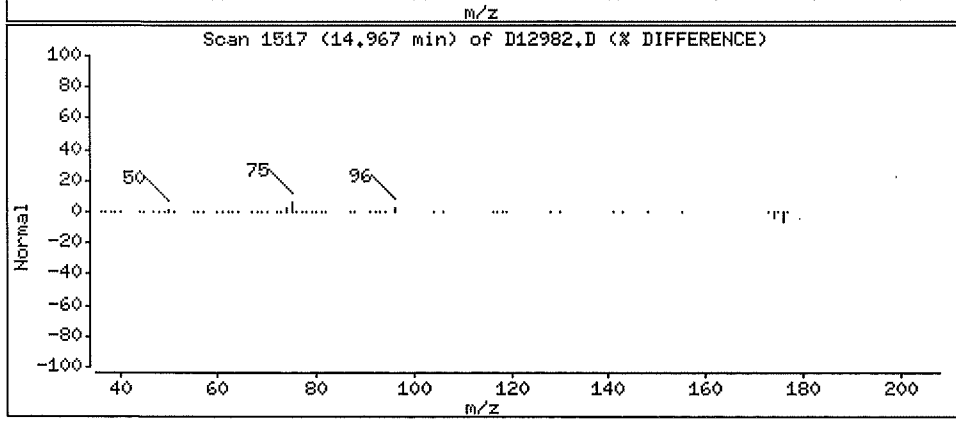
66 4-Bromofluorobenzene-2nd

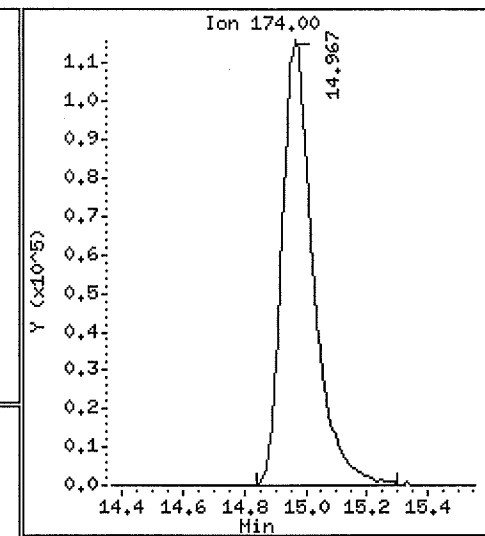
Concentration: 44.01 ug/Kg

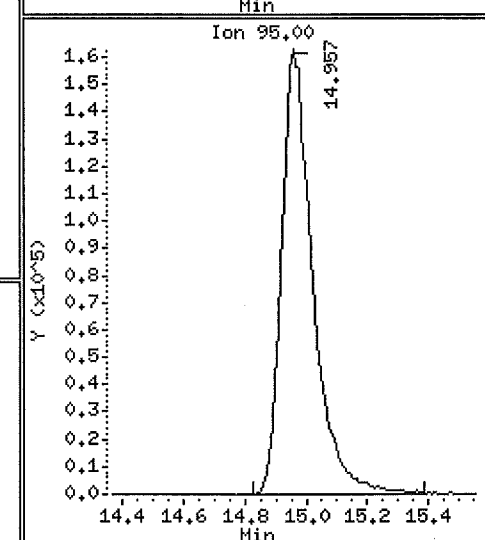


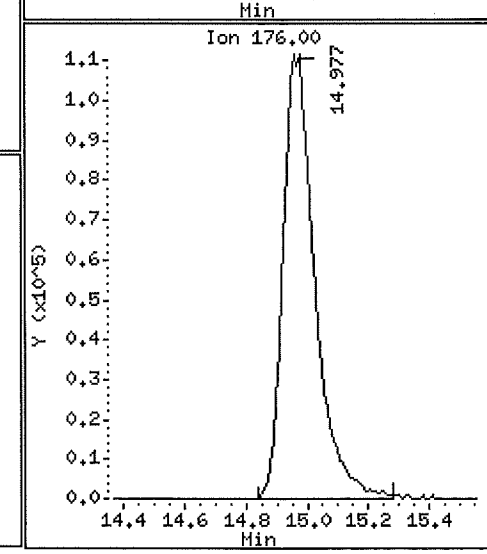












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12982.D

Date : 13-OCT-2000 14:45

Client ID: D12982

Instrument: md.i

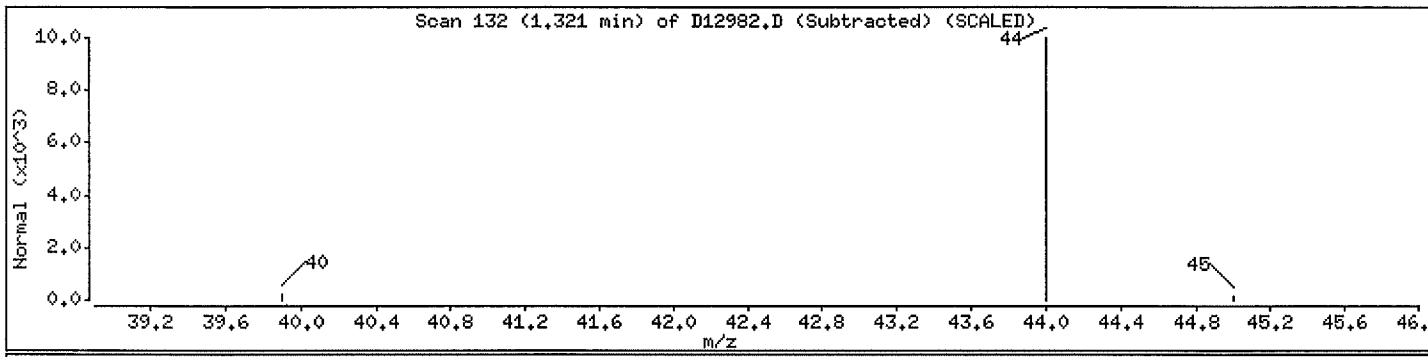
Sample Info: DLH33101,,2,,0,1,0,8260BDA.M,D12982

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12983.D
Lab Smp Id: DLH39101 Client Smp ID: D12983
Inj Date : 13-OCT-2000 15:17
Operator : GFB Inst ID: md.i
Smp Info : DLH39101,,2,,0,1,0,8260BDA.M,D12983
Misc Info : 125-2,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.998	5.996	(0.846)	820314	40.3071	40.31
$ 33 1,2-Dichloroethane-d4	65	6.530	6.528	(0.921)	649673	47.2937	47.29
34 1,2-Dichloroethane-d4 2nd	102	6.530	6.528	(0.921)	122156	44.0770	44.08
* 38 Fluorobenzene	96	7.091	7.100	(1.000)	1430805	50.0000	
$ 47 Toluene-d8	98	9.929	9.927	(0.786)	1384647	45.6353	45.64
* 56 Chlorobenzene-d5	117	12.628	12.617	(1.000)	1310667	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.963	14.962	(0.866)	753026	45.1463	45.15
$ 67 4-Bromofluorobenzene	95	14.953	14.972	(0.865)	1048130	47.0815	47.08
* 79 1,4-Dichlorobenzene-d4	152	17.278	17.277	(1.000)	837672	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12983.D
Lab Smp Id: DLH39101 Client Smp ID: D12983
Inj Date : 13-OCT-2000 15:17
Operator : GFB Inst ID: md.i
Smp Info : DLH39101,,2,,0,1,0,8260BDA.M,D12983
Misc Info : 125-2,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.091	3489403	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.318	640586	9.17902455	9.18	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH39101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12983
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown 92	1.318	9.18	J

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12983.D

Date : 13-OCT-2000 15:17

Client ID: D12983

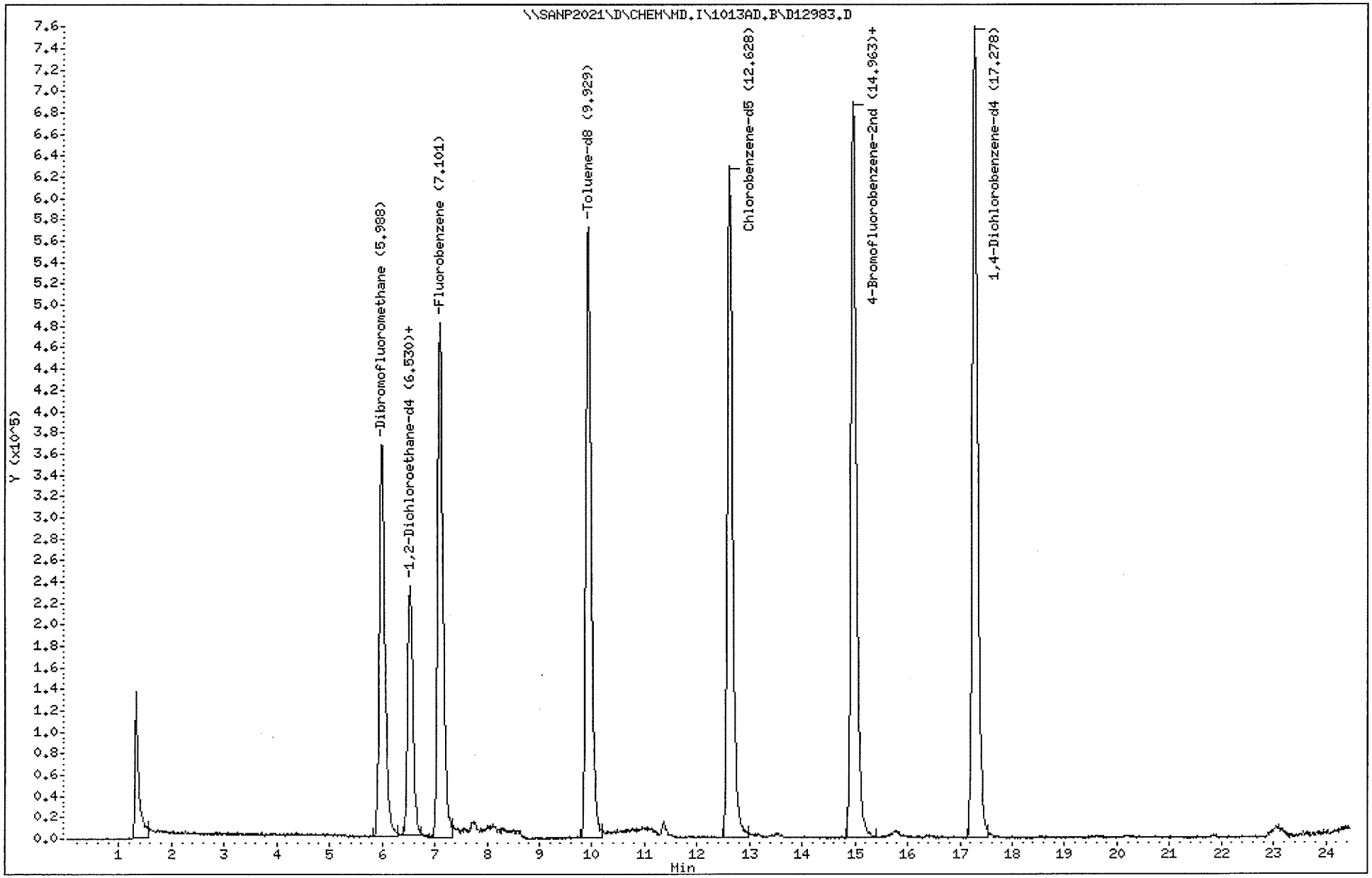
Sample Info: DLH39101,,2,,0,1,0,8260BDA.M,D12983

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000368

BOE-C6-0155033

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12983.D

Date : 13-OCT-2000 15:17

Client ID: D12983

Instrument: md.i

Sample Info: DLH39101,,2,,0,1,0,8260BDA.M,D12983

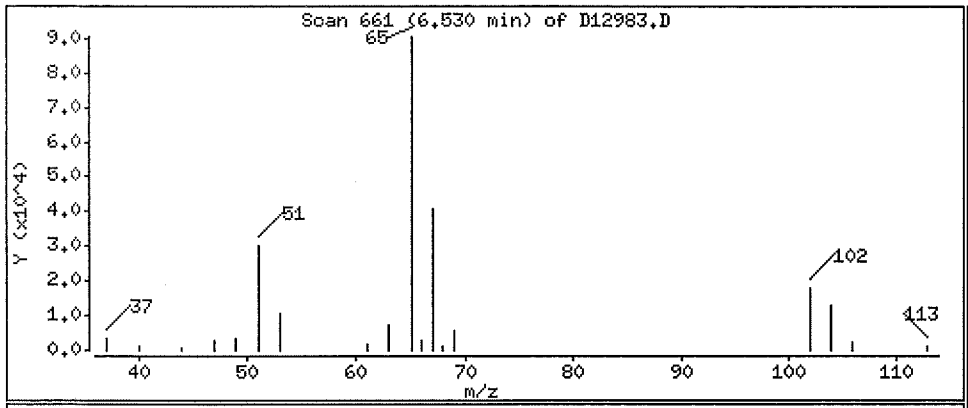
Operator: GFB

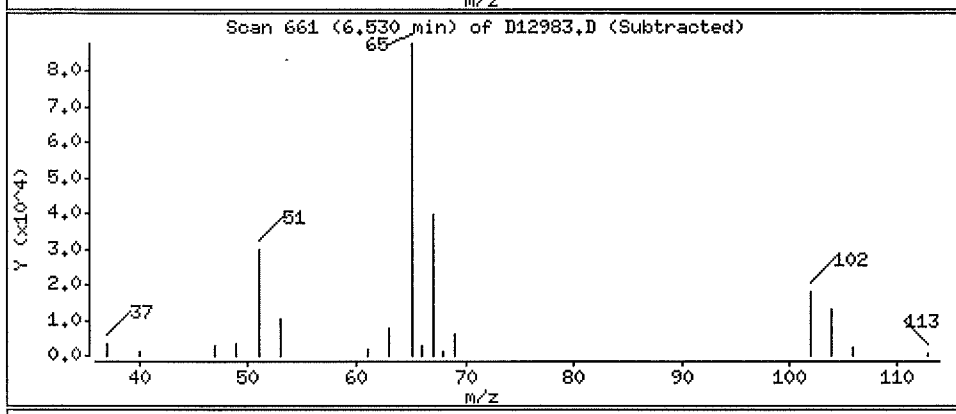
Column phase: J&W DB-624

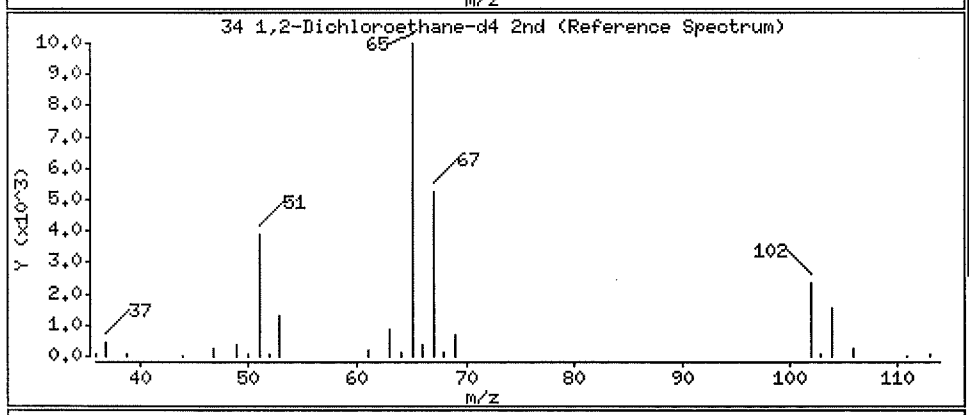
Column diameter: 0.53

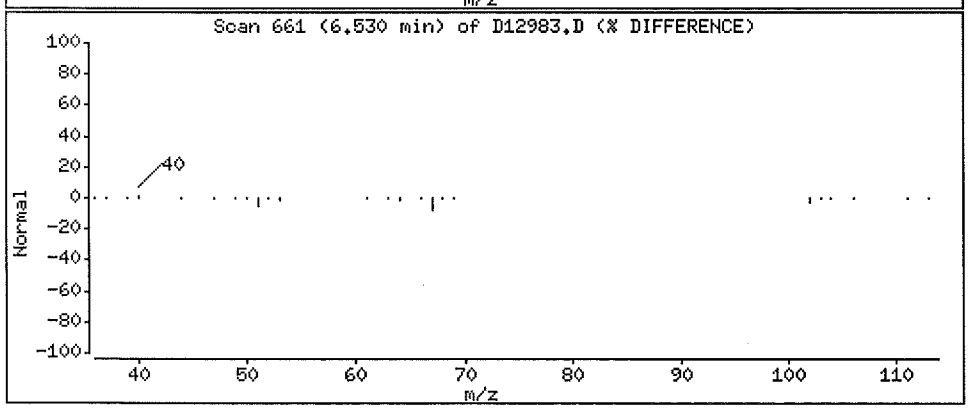
34 1,2-Dichloroethane-d4 2nd

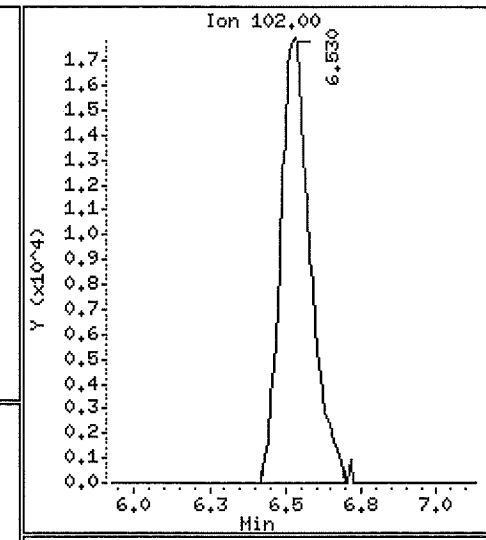
Concentration: 44.08 ug/Kg

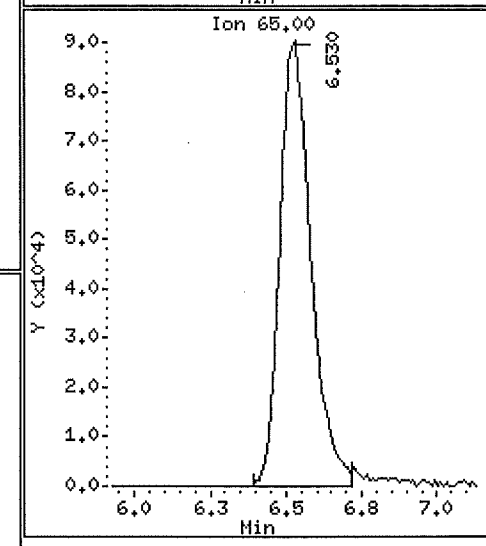












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12983.D

Date : 13-OCT-2000 15:17

Client ID: D12983

Instrument: md.i

Sample Info: DLH39101,,2,,0,1,0,8260BDA.M,D12983

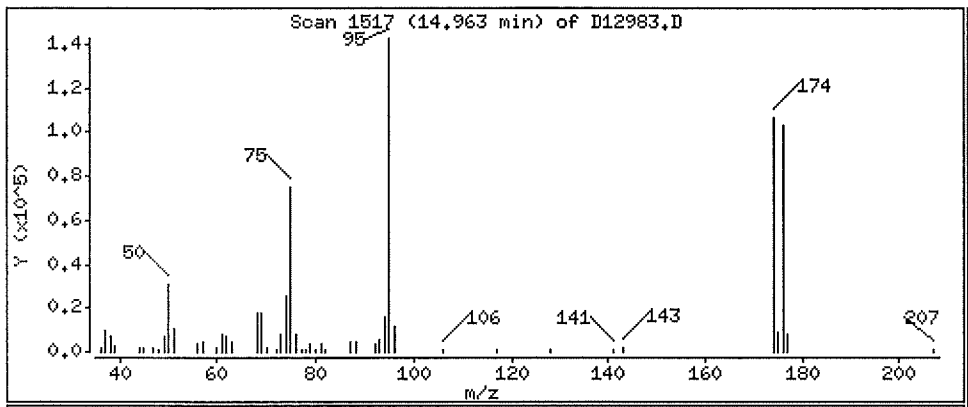
Operator: GFB

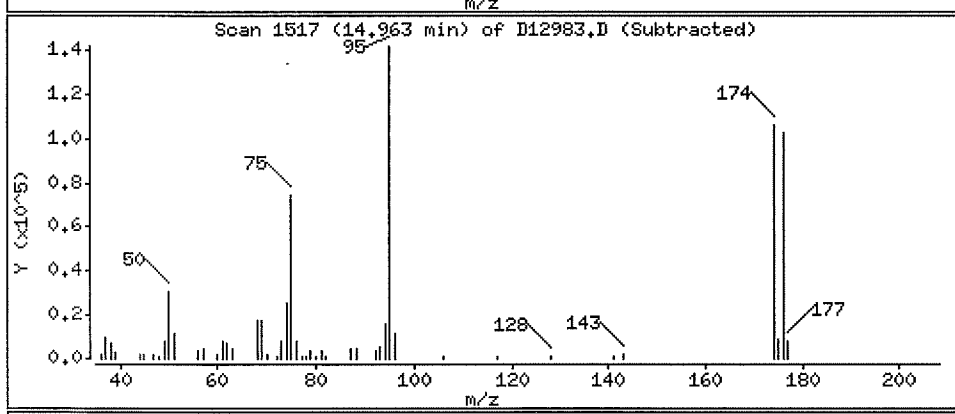
Column phase: J&W DB-624

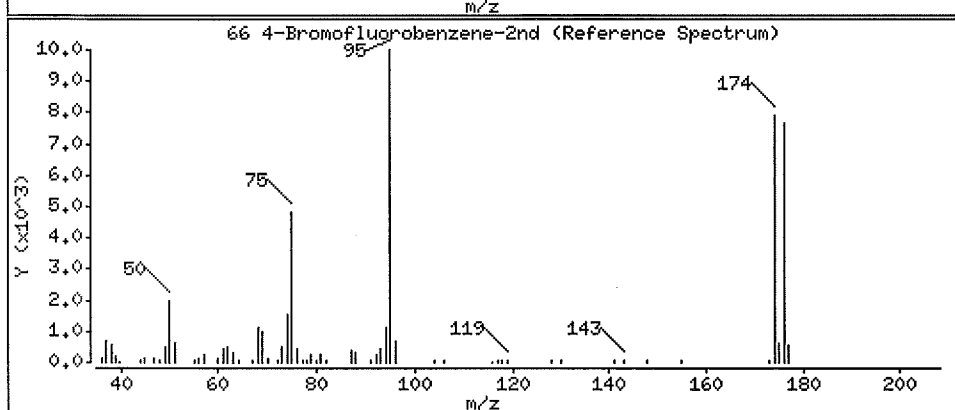
Column diameter: 0.53

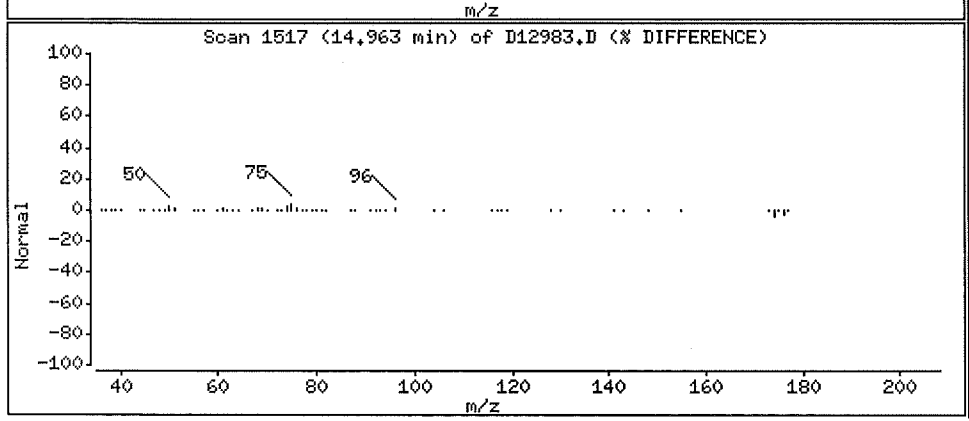
66 4-Bromofluorobenzene-2nd

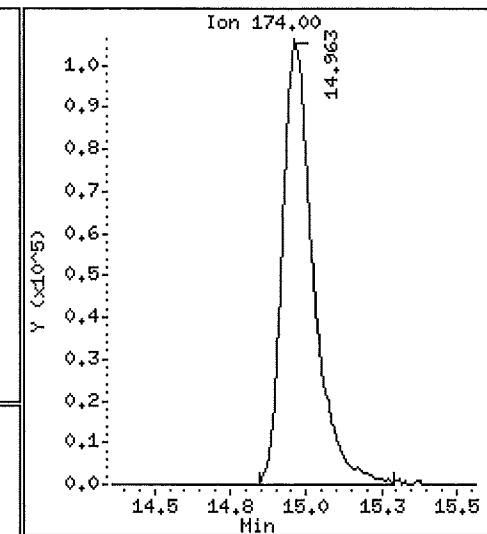
Concentration: 45.15 ug/Kg

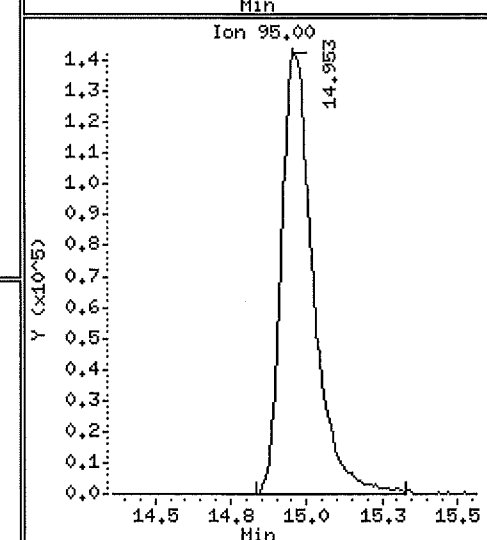


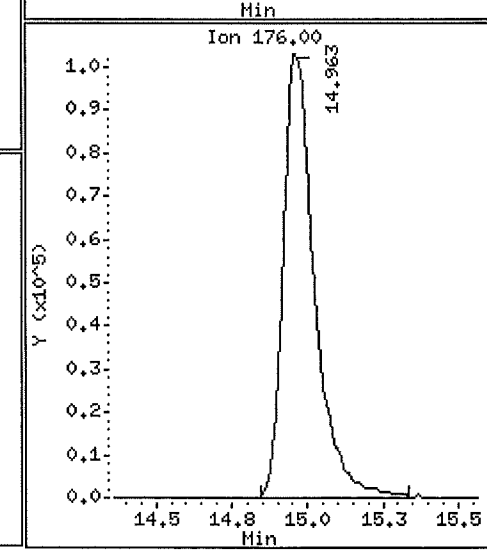












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12983.D

Date : 13-OCT-2000 15:17

Client ID: D12983

Instrument: md.i

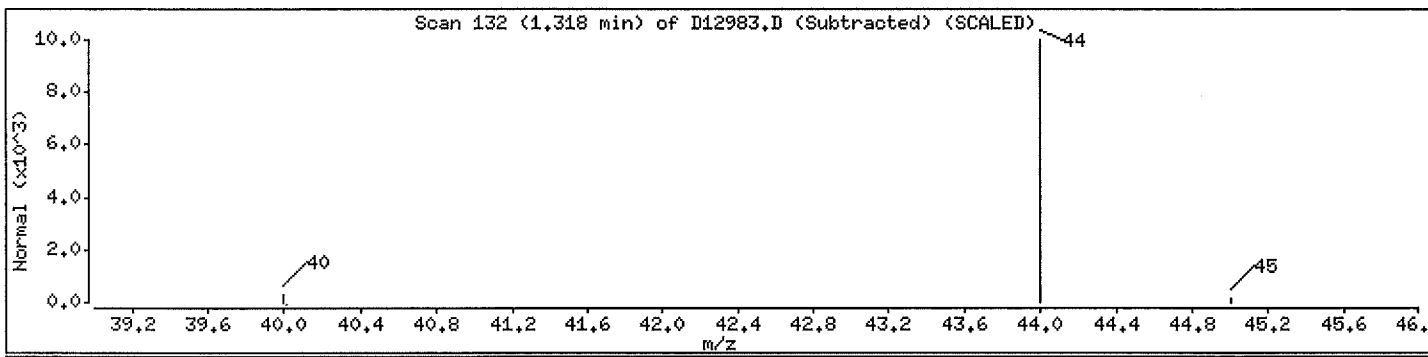
Sample Info: DLH39101,,2,,0,1,0,8260BDA.M,D12983

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12984.D
Lab Smp Id: DLH3C101 Client Smp ID: D12984
Inj Date : 13-OCT-2000 15:48
Operator : GFB Inst ID: md.i
Smp Info : DLH3C101,,2,,0,1,0,8260BDA.M,D12984
Misc Info : 125-3,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.874	2.863	(0.405)	8249	5.30198	5.30
$ 29 Dibromofluoromethane	111	5.987	5.996	(0.843)	826692	41.3555	41.36
$ 33 1,2-Dichloroethane-d4	65	6.529	6.528	(0.920)	632342	46.8649	46.86
34 1,2-Dichloroethane-d4 2nd	102	6.519	6.528	(0.918)	119862	44.0320	44.03
36 1,2-Dichloroethane	62	7.110	6.666	(1.001)	25458	1.69515	1.70(aQ)
* 38 Fluorobenzene	96	7.100	7.100	(1.000)	1405375	50.0000	
$ 47 Toluene-d8	98	9.928	9.927	(0.787)	1359201	45.0638	45.06
* 56 Chlorobenzene-d5	117	12.618	12.617	(1.000)	1302899	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.972	14.962	(0.867)	790422	44.2424	44.24
$ 67 4-Bromofluorobenzene	95	14.962	14.972	(0.866)	1076116	45.1296	45.13
* 79 1,4-Dichlorobenzene-d4	152	17.278	17.277	(1.000)	897236	50.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12984.D
Lab Smp Id: DLH3C101 Client Smp ID: D12984
Inj Date : 13-OCT-2000 15:48
Operator : GFB Inst ID: md.i
Smp Info : DLH3C101,,2,,0,1,0,8260BDA.M,D12984
Misc Info : 125-3,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.100	3418286	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.327	646018	9.44943511	9.45	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH3C101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12984
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown COV	1.327	9.45	_J__

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12984.D

Date : 13-OCT-2000 15:48

Client ID: D12984

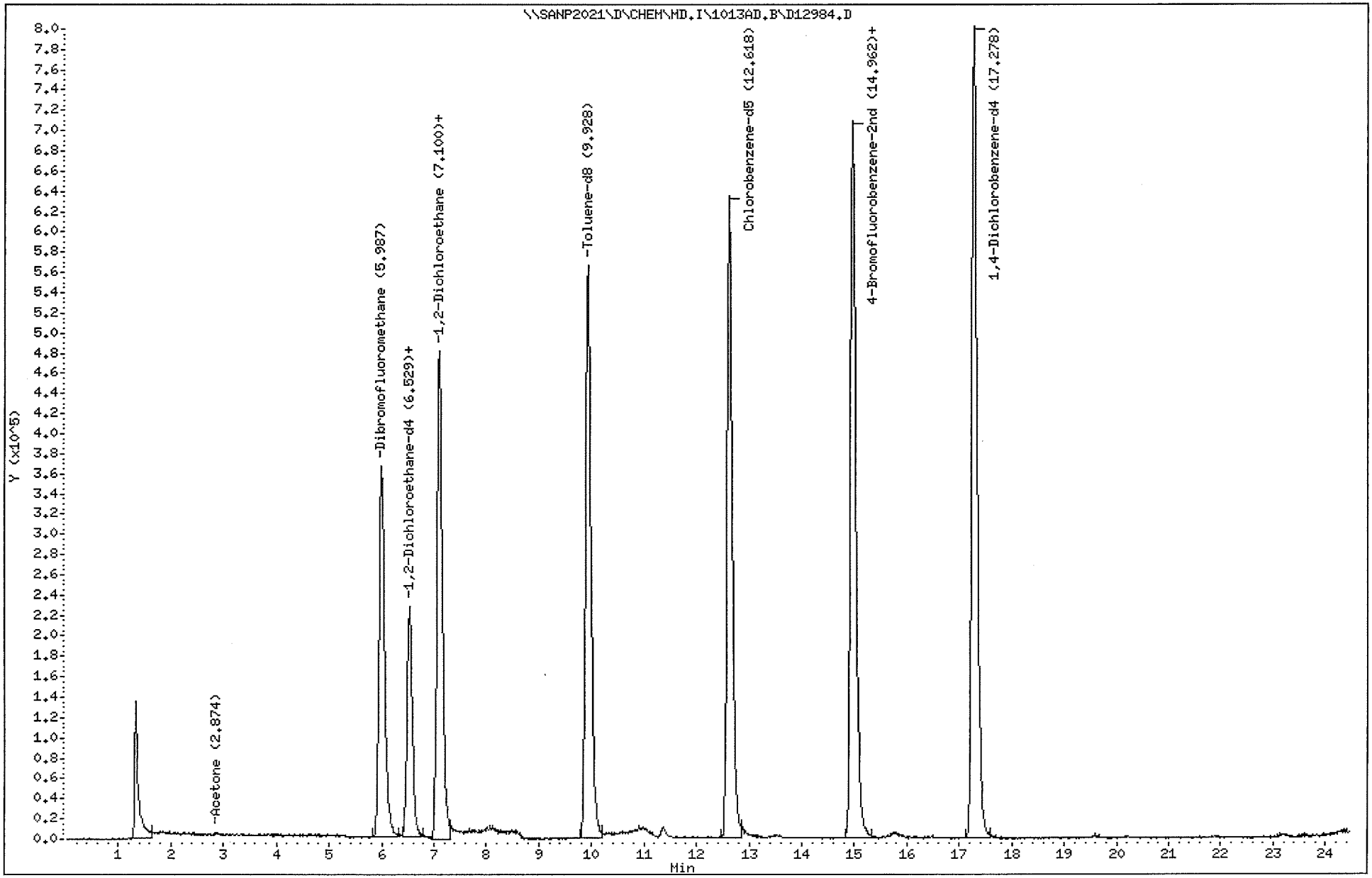
Sample Info: DLH3C101,,2,,0,1,0,8260BDA.M,D12984

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000376

BOE-C6-0155041

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12984.D

Date : 13-OCT-2000 15:48

Client ID: D12984

Instrument: md.i

Sample Info: DLH3C101,,2,,0,1,0,8260BDA.M,D12984

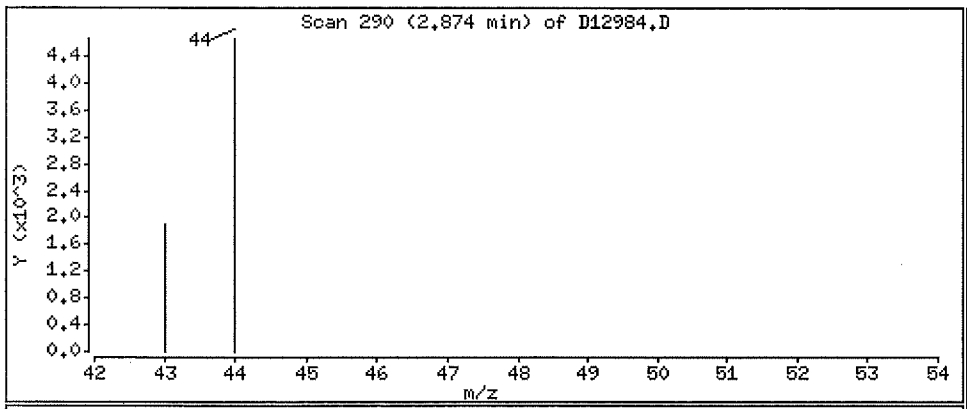
Operator: GFB

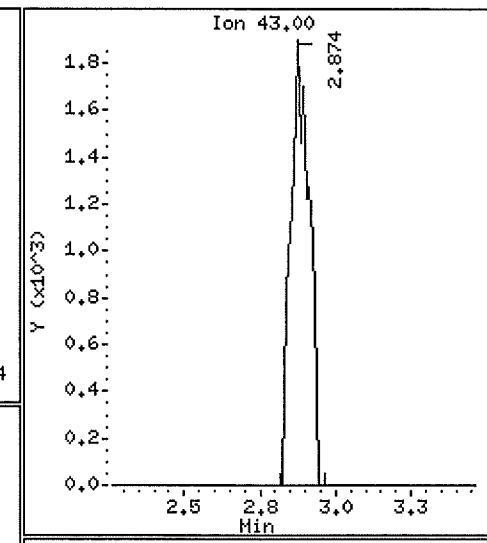
Column phase: J&W DB-624

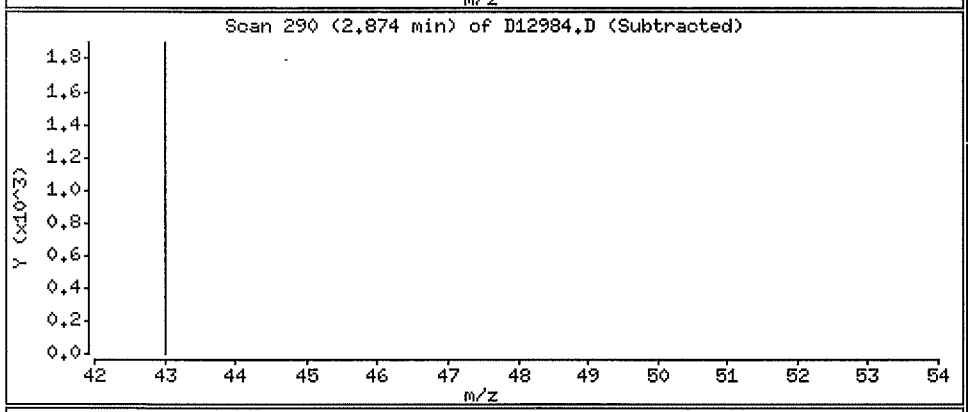
Column diameter: 0.53

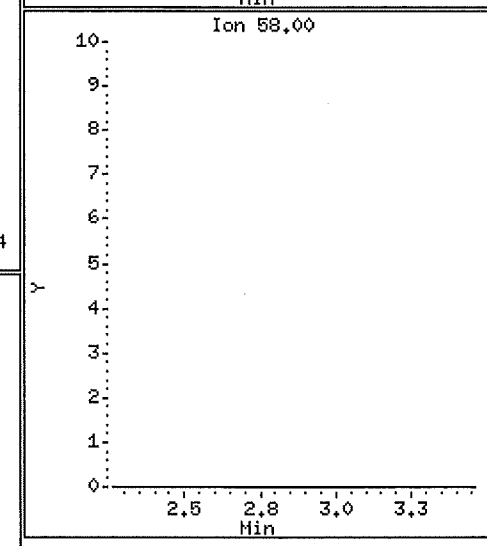
10 Acetone

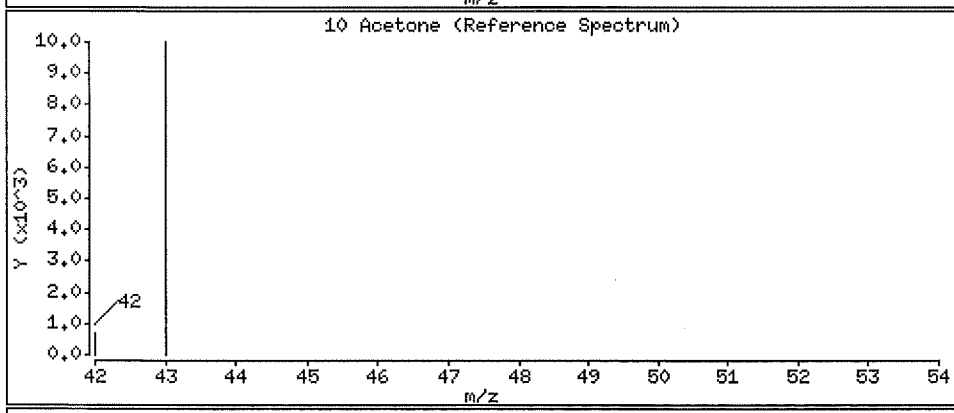
Concentration: 5.30 ug/Kg

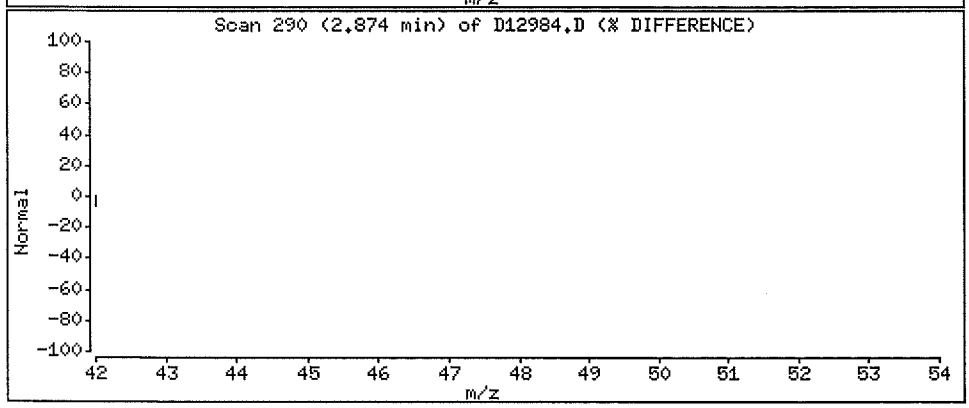












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12984.D

Date : 13-OCT-2000 15:48

Client ID: D12984

Instrument: md.i

Sample Info: DLH3C101,,2,,0,1,0,8260BDA.M,D12984

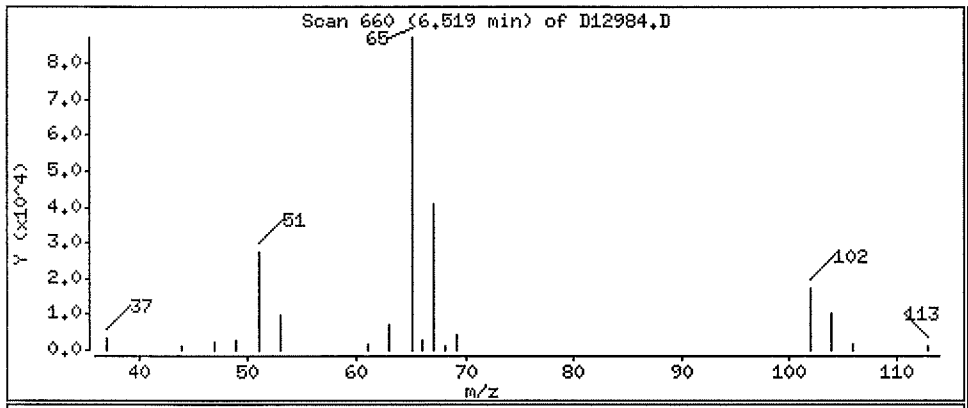
Operator: GFB

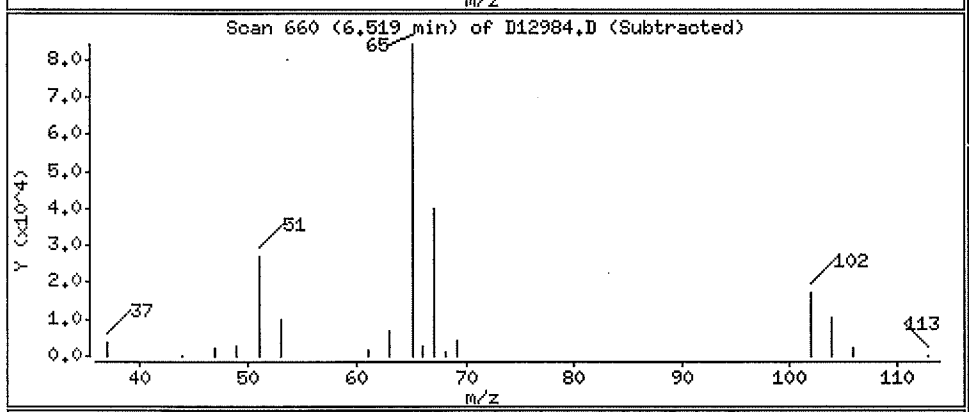
Column phase: J&W DB-624

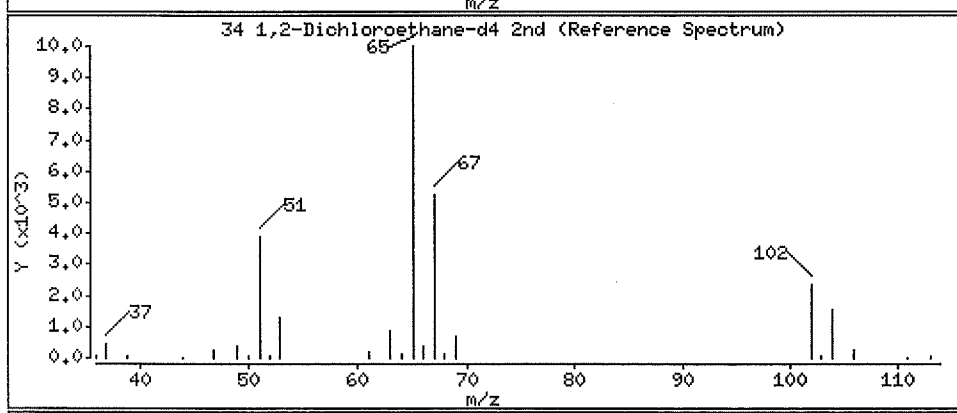
Column diameter: 0.53

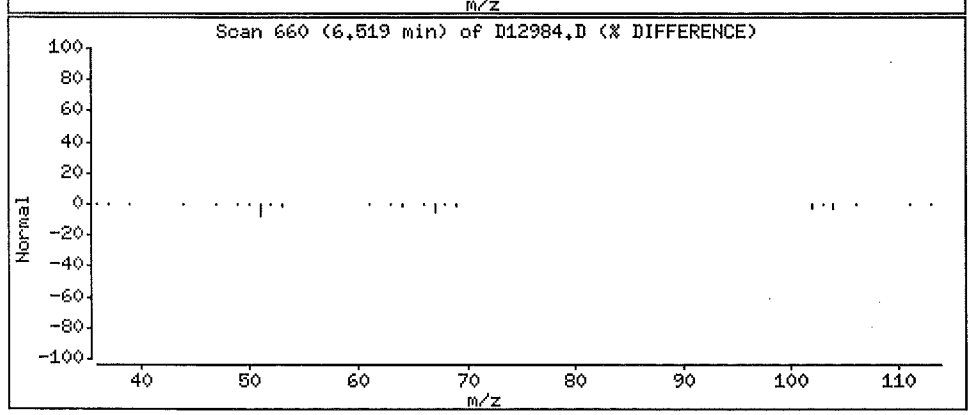
34 1,2-Dichloroethane-d4 2nd

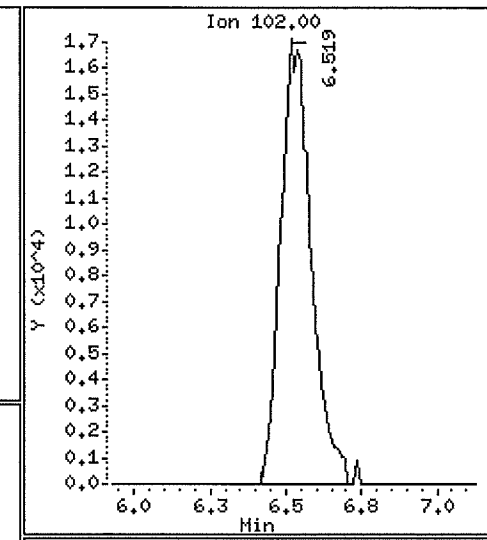
Concentration: 44.03 ug/Kg

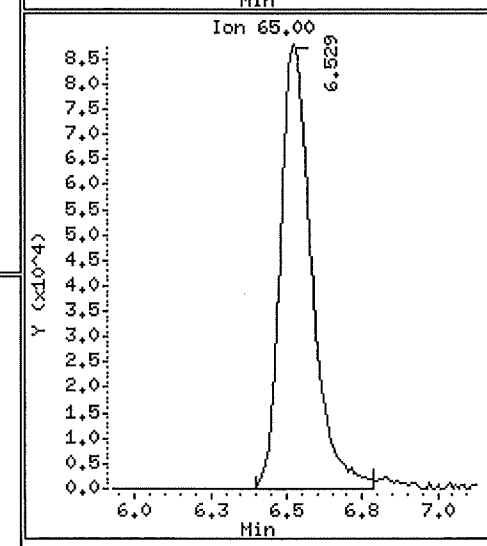












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12984.D

Date : 13-OCT-2000 15:48

Client ID: D12984

Instrument: md.i

Sample Info: DLH3C101,,2,,0,1,0,8260BDA,M,D12984

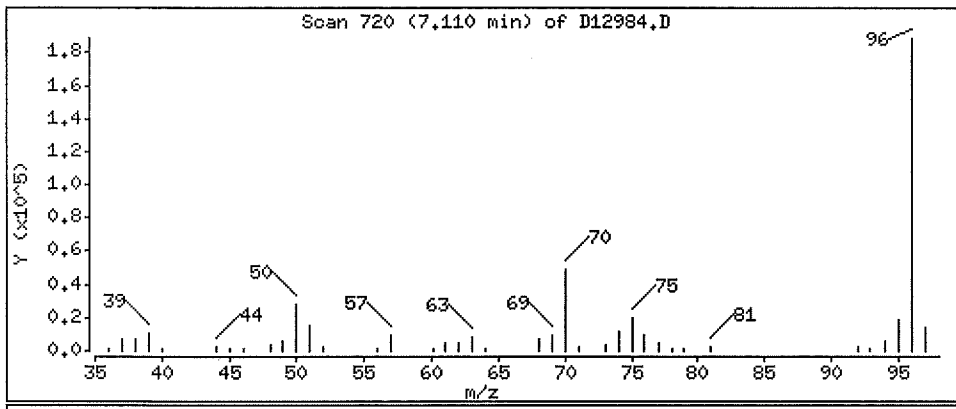
Operator: GFB

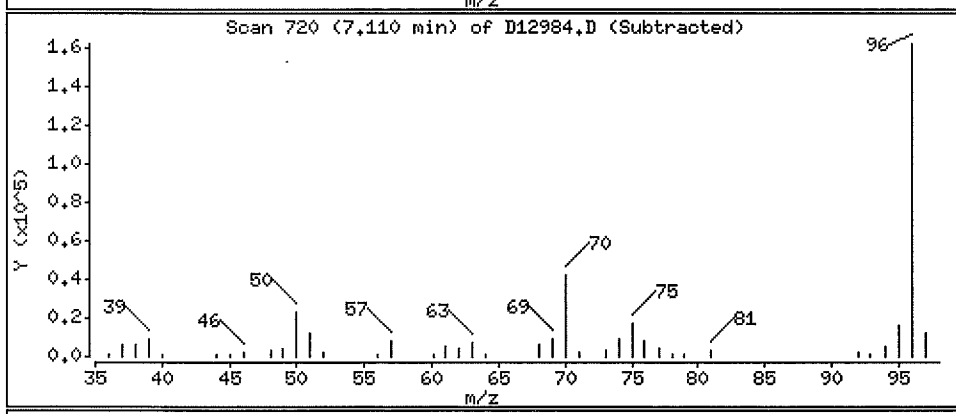
Column phase: J&W DB-624

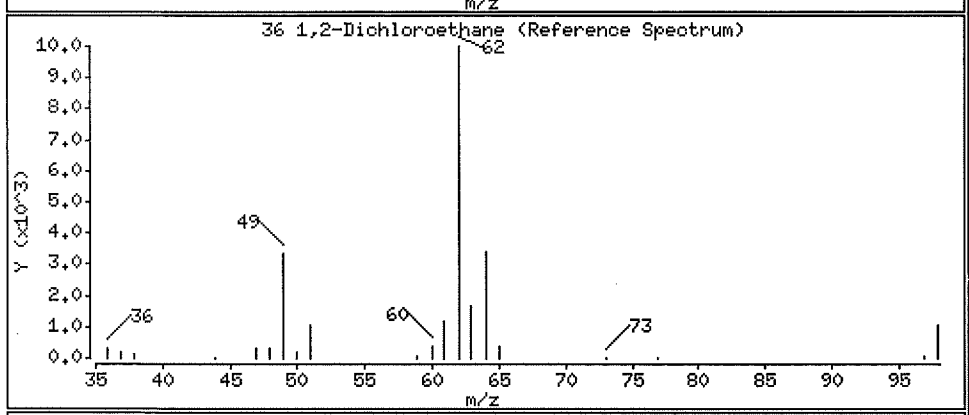
Column diameter: 0.53

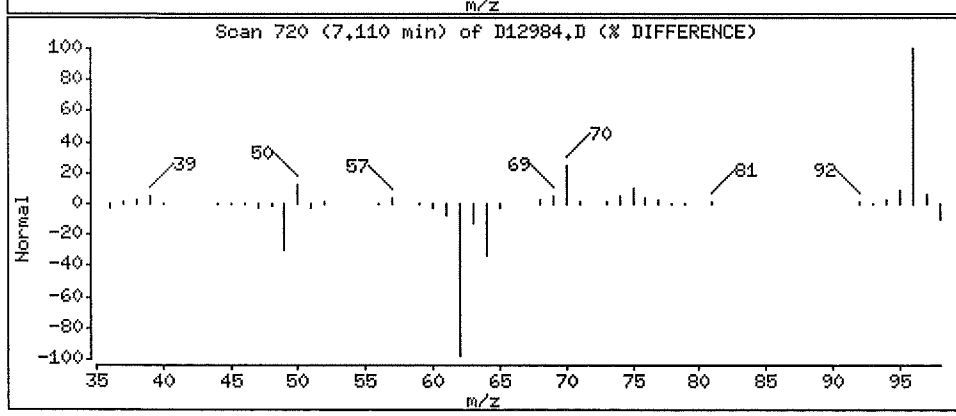
36 1,2-Dichloroethane

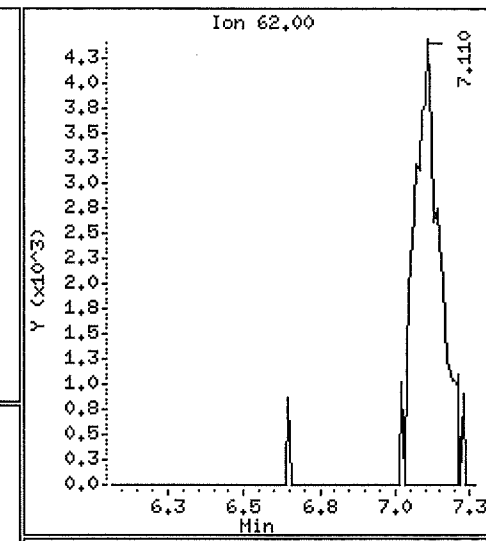
Concentration: 1.70 ug/Kg

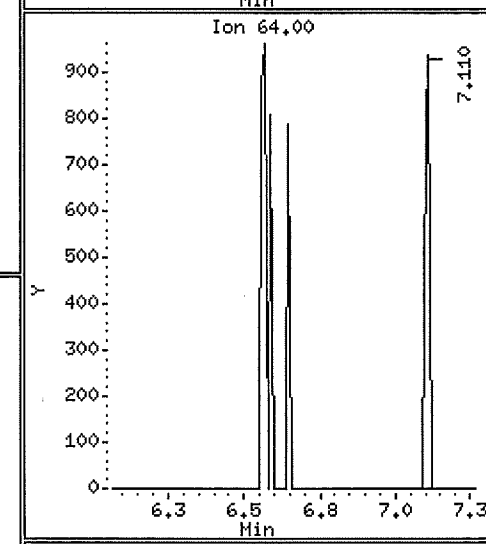


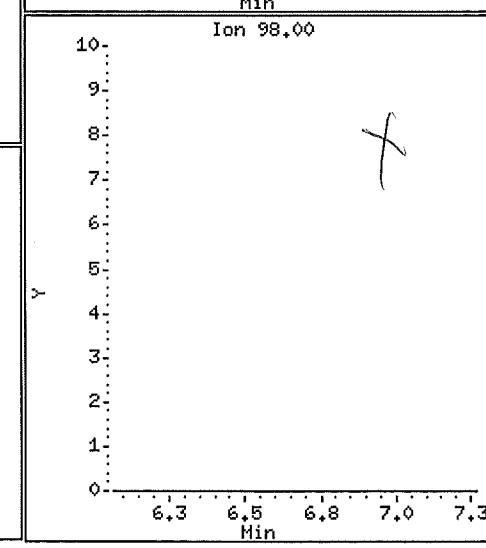












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12984.D

Date : 13-OCT-2000 15:48

Client ID: D12984

Instrument: md.i

Sample Info: DLH3C101,,2,,0,1,0,8260BDA.M,D12984

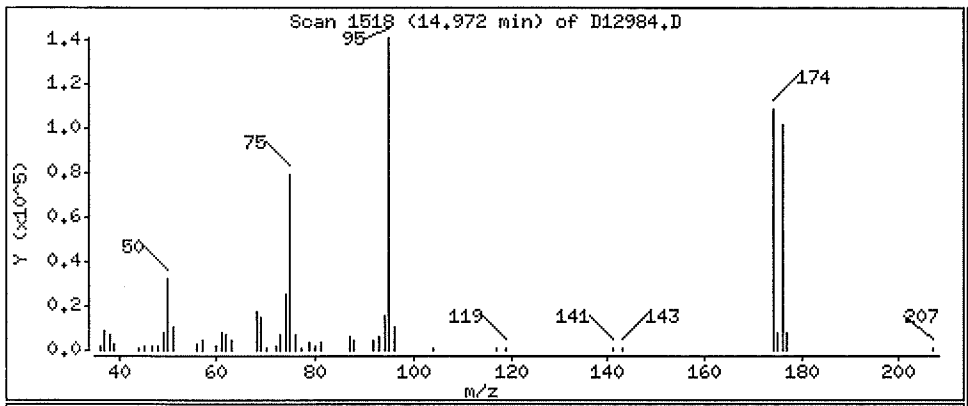
Operator: GFB

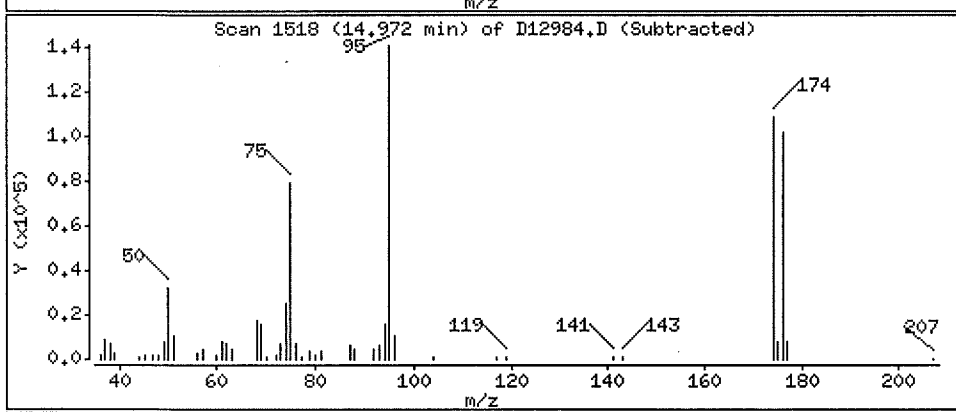
Column phase: J&W DB-624

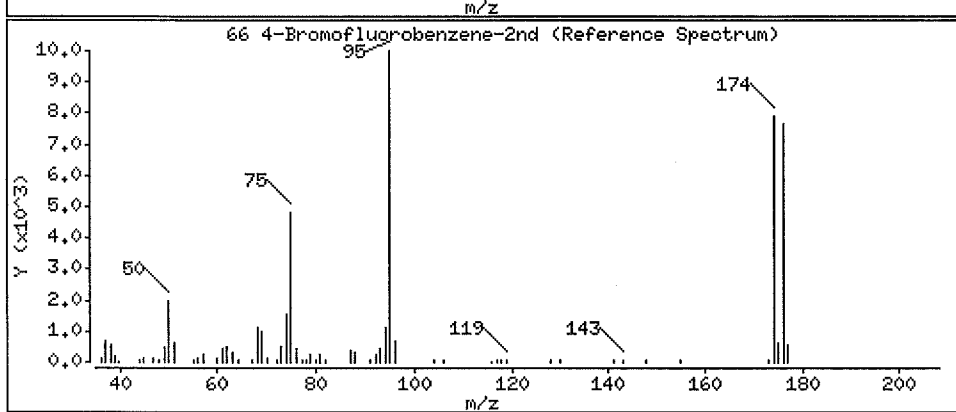
Column diameter: 0.53

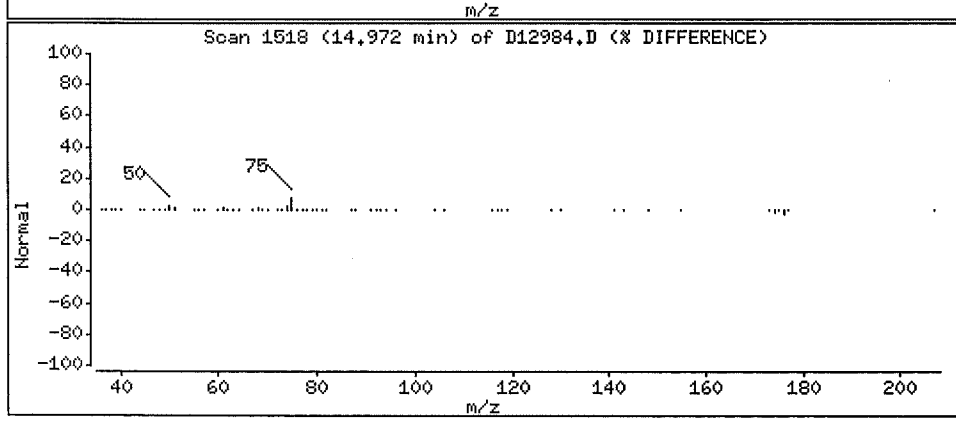
66 4-Bromofluorobenzene-2nd

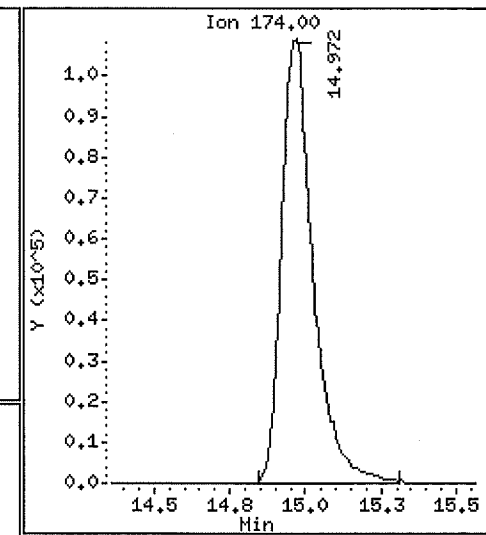
Concentration: 44.24 ug/Kg

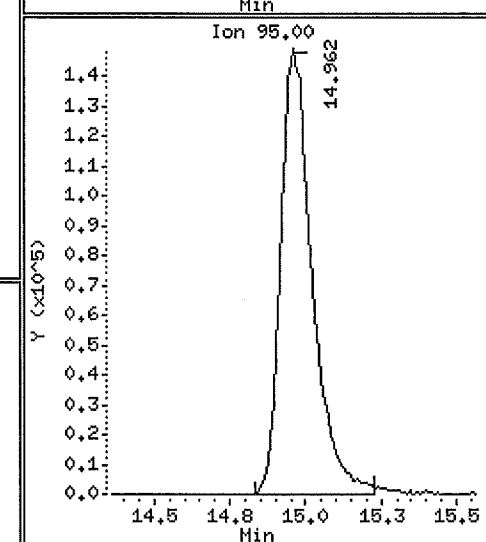


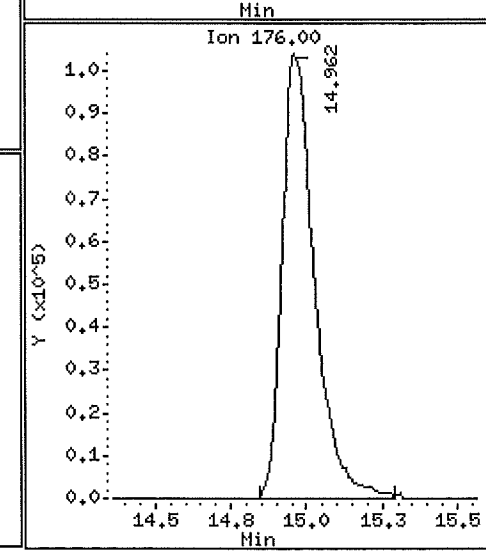












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12984.D

Date : 13-OCT-2000 15:48

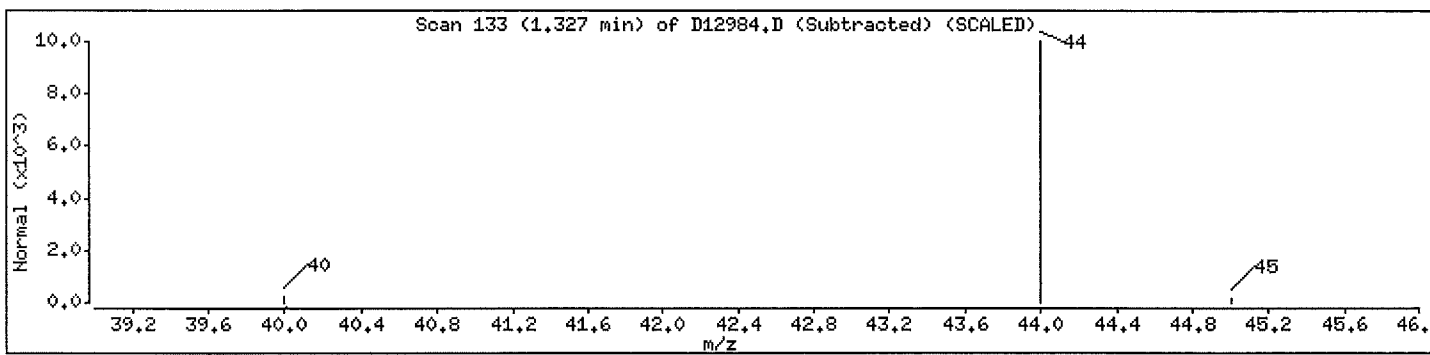
Client ID: D12984 Instrument: md.i

Sample Info: DLH3C101,,2,,0,1,0,8260BDA,M,D12984

Operator: GFB

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



JV

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12985.D
Lab Smp Id: DLH3D101 Client Smp ID: D12985
Inj Date : 13-OCT-2000 16:20
Operator : GFB Inst ID: md.i
Smp Info : DLH3D101,,2,,0,1,0,8260BDA.M,D12985
Misc Info : 125-4,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.993	5.996	(0.843)	858623	41.3739	41.37
$ 33 1,2-Dichloroethane-d4	65	6.525	6.528	(0.918)	656252	46.8491	46.85
34 1,2-Dichloroethane-d4 2nd	102	6.544	6.528	(0.921)	123991	43.8745	43.87
* 38 Fluorobenzene	96	7.106	7.100	(1.000)	1459007	50.0000	
$ 47 Toluene-d8	98	9.934	9.927	(0.787)	1388581	45.6190	45.62
* 56 Chlorobenzene-d5	117	12.623	12.617	(1.000)	1314863	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.968	14.962	(0.867)	793091	42.7507	42.75
$ 67 4-Bromofluorobenzene	95	14.958	14.972	(0.866)	1118751	45.1831	45.18
* 79 1,4-Dichlorobenzene-d4	152	17.273	17.277	(1.000)	931679	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12985.D
Lab Smp Id: DLH3D101 Client Smp ID: D12985
Inj Date : 13-OCT-2000 16:20
Operator : GFB Inst ID: md.i
Smp Info : DLH3D101,,2,,0,1,0,8260BDA.M,D12985
Misc Info : 125-4,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.106	3512200	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.323	685409	9.75754441	9.76	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH3D101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12985
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.323	9.76	_J__

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12985.D

Date : 13-OCT-2000 16:20

Client ID: D12985

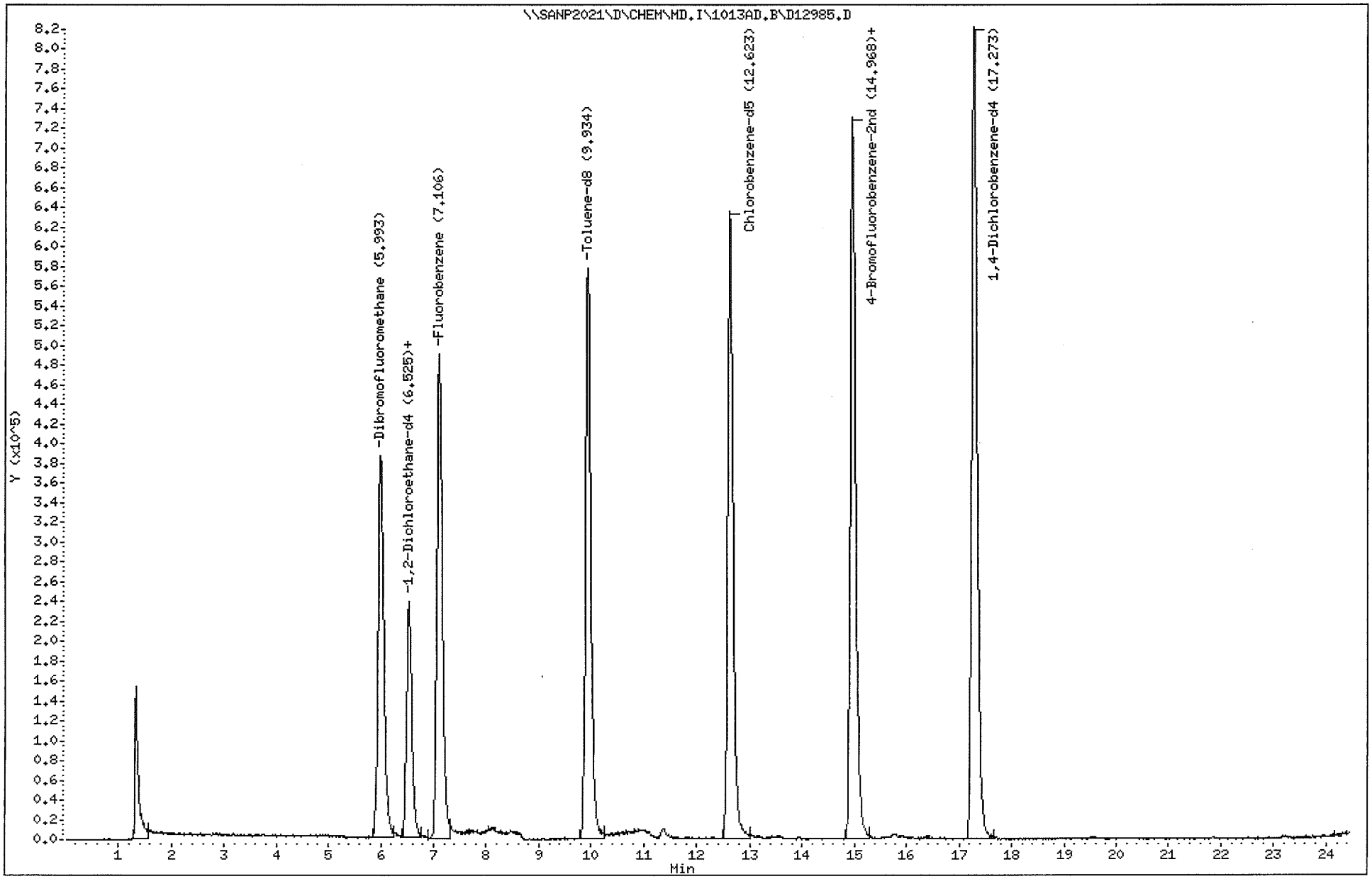
Sample Info: DLH3D101,,2,,0,1,0,8260BDA.M,D12985

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000385

BOE-C6-0155050

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12985.D

Date : 13-OCT-2000 16:20

Client ID: D12985

Instrument: md.i

Sample Info: DLH3D101,,2,,0,1,0,8260BDA.M,D12985

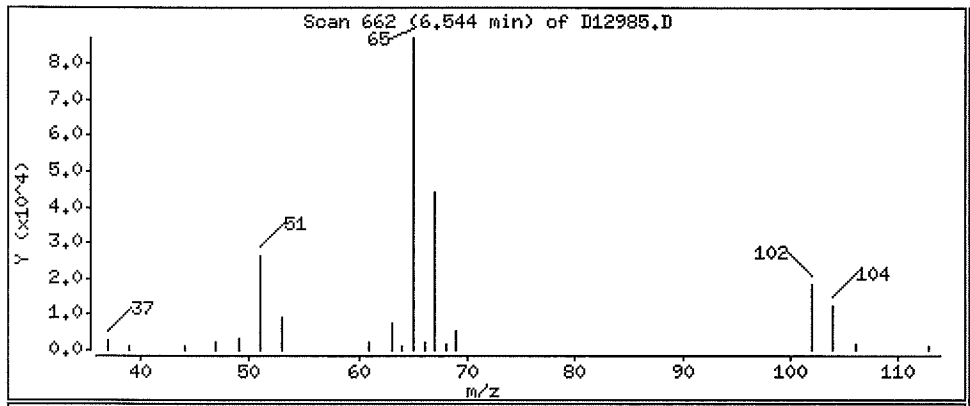
Operator: GFB

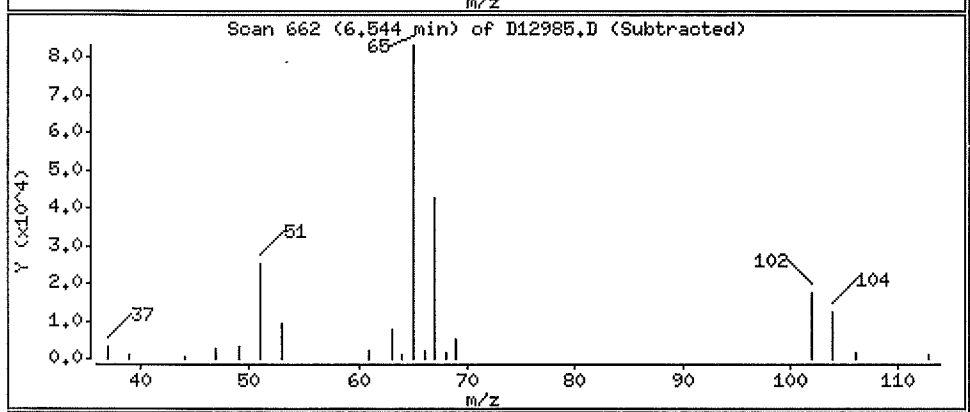
Column phase: J&W DB-624

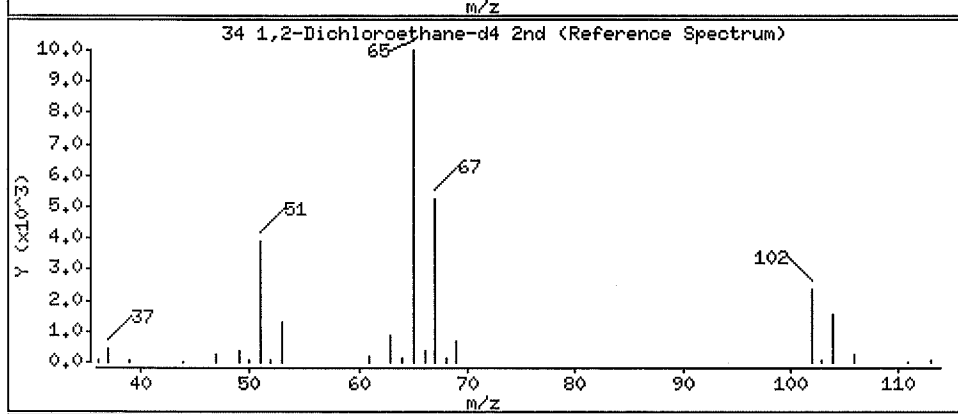
Column diameter: 0.53

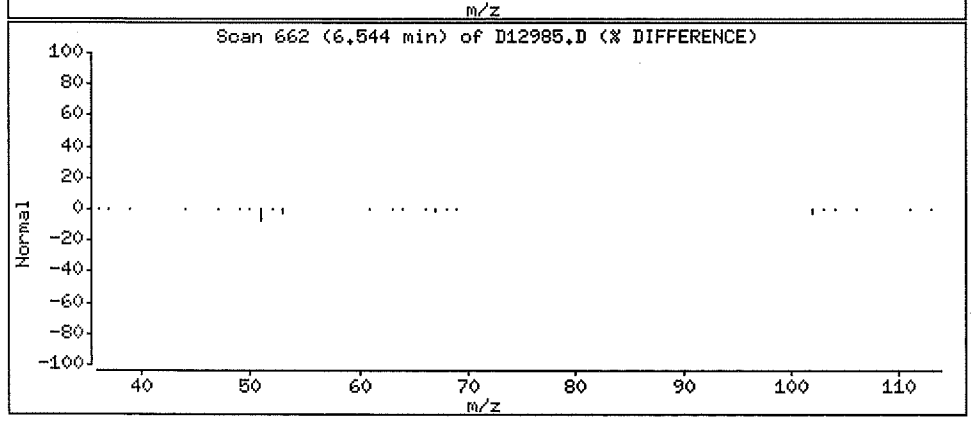
34 1,2-Dichloroethane-d4 2nd

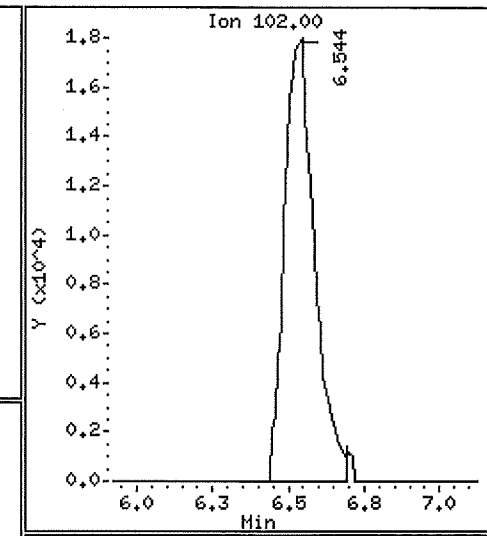
Concentration: 43.87 ug/Kg

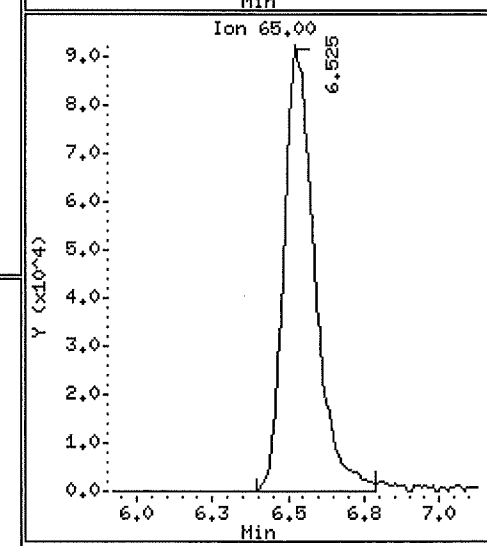












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12985.D

Date : 13-OCT-2000 16:20

Client ID: D12985

Instrument: md.i

Sample Info: DLH3D101,,2,,0,1,0,8260BDA.M,D12985

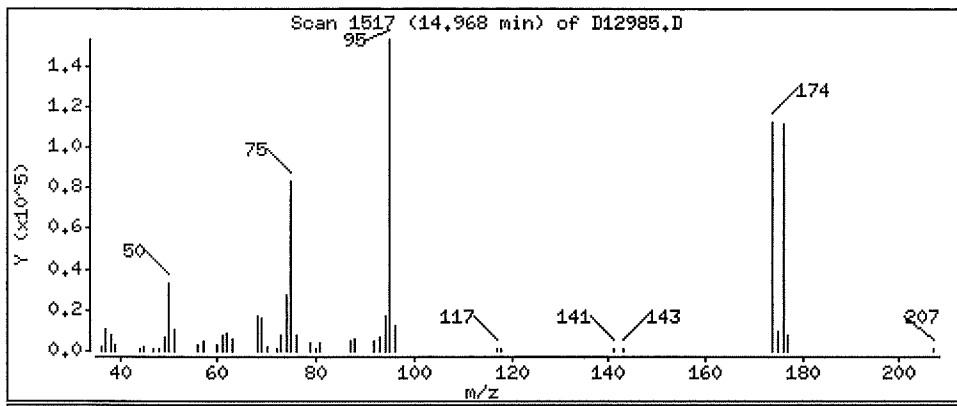
Operator: GFB

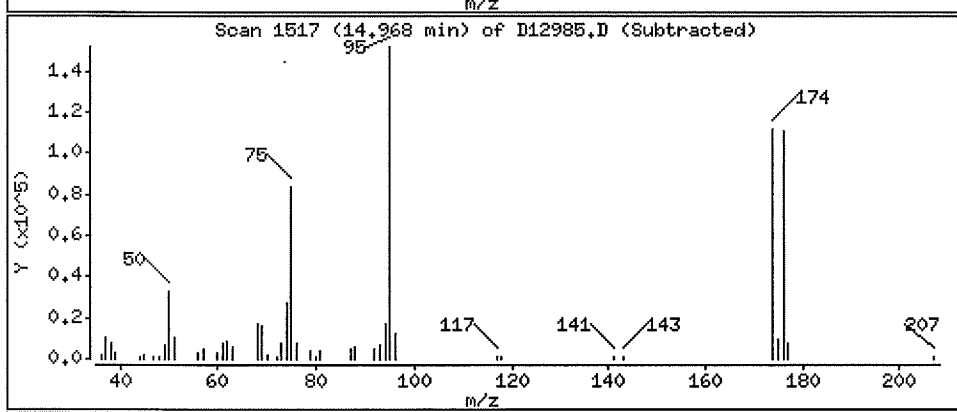
Column phase: J&W DB-624

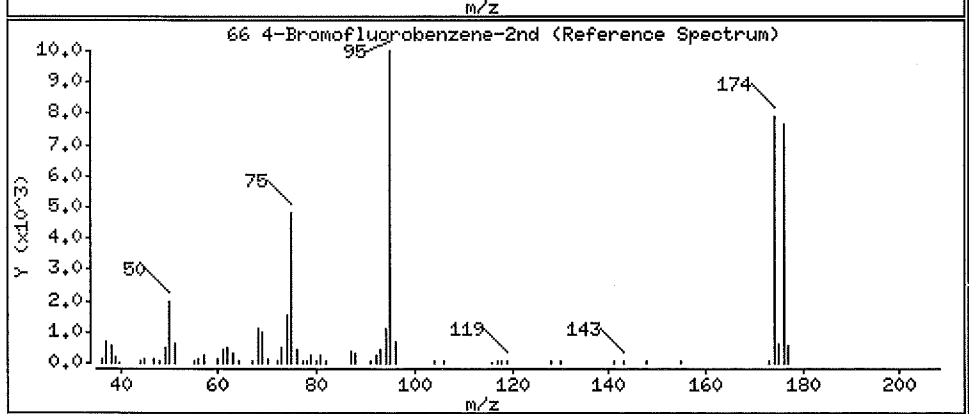
Column diameter: 0.53

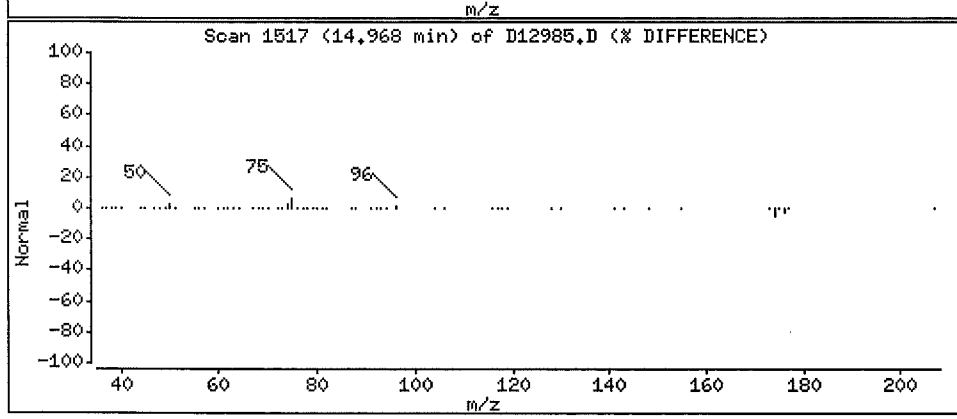
66 4-Bromofluorobenzene-2nd

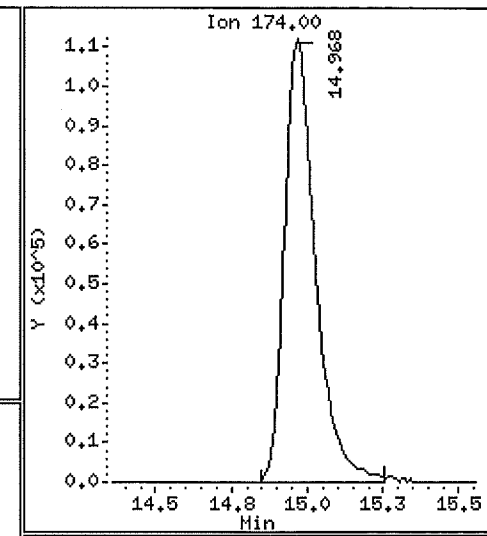
Concentration: 42.75 ug/Kg

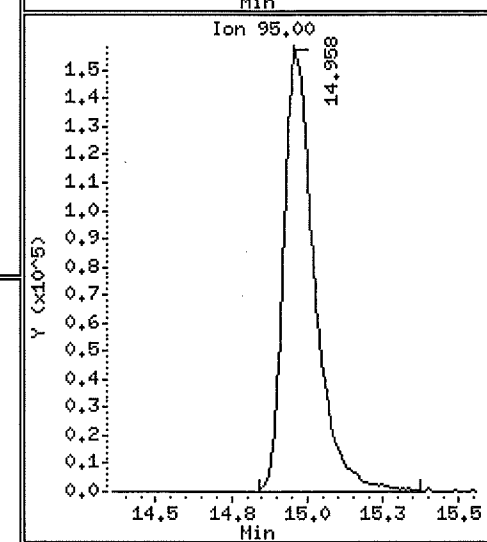


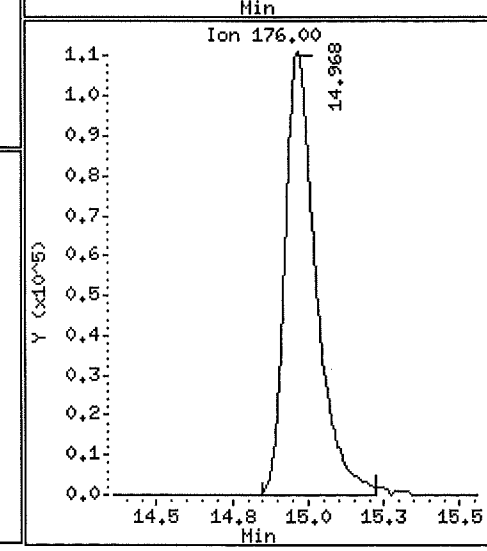












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12985.D

Date : 13-OCT-2000 16:20

Client ID: D12985

Instrument: md.i

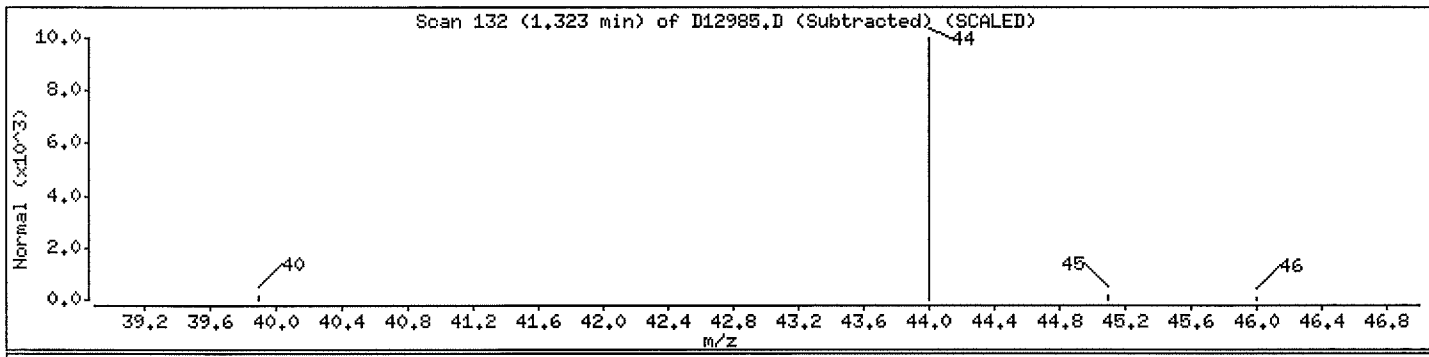
Sample Info: DLH3D101,,2,,0,1,0,8260BDA.M,D12985

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12986.D
Lab Smp Id: DLH3E101 Client Smp ID: D12986
Inj Date : 13-OCT-2000 16:52
Operator : GFB Inst ID: md.i
Smp Info : DLH3E101,,2,,0,1,0,8260BDA.M,D12986
Misc Info : 125-5,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
$ 29 Dibromofluoromethane	111	5.992	5.996	(0.843)	784626	39.7187	39.72	
$ 33 1,2-Dichloroethane-d4	65	6.543	6.528	(0.921)	624279	46.8186	46.82	
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.528	(0.918)	117337	43.6181	43.62	
* 38 Fluorobenzene	96	7.105	7.100	(1.000)	1388829	50.0000		
$ 47 Toluene-d8	98	9.932	9.927	(0.787)	1314860	44.4455	44.44	
* 56 Chlorobenzene-d5	117	12.622	12.617	(1.000)	1277928	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.967	14.962	(0.867)	749550	44.6644	44.66	
$ 67 4-Bromofluorobenzene	95	14.967	14.972	(0.867)	1042998	46.5657	46.56	
* 79 1,4-Dichlorobenzene-d4	152	17.272	17.277	(1.000)	842802	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12986.D
Lab Smp Id: DLH3E101 Client Smp ID: D12986
Inj Date : 13-OCT-2000 16:52
Operator : GFB Inst ID: md.i
Smp Info : DLH3E101,,2,,0,1,0,8260BDA.M,D12986
Misc Info : 125-5,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.105	3400563	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.322	655017	9.63100879	9.63	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH3E101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12986
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown JOV	1.322	9.63	J

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12986.D

Date : 13-OCT-2000 16:52

Client ID: D12986

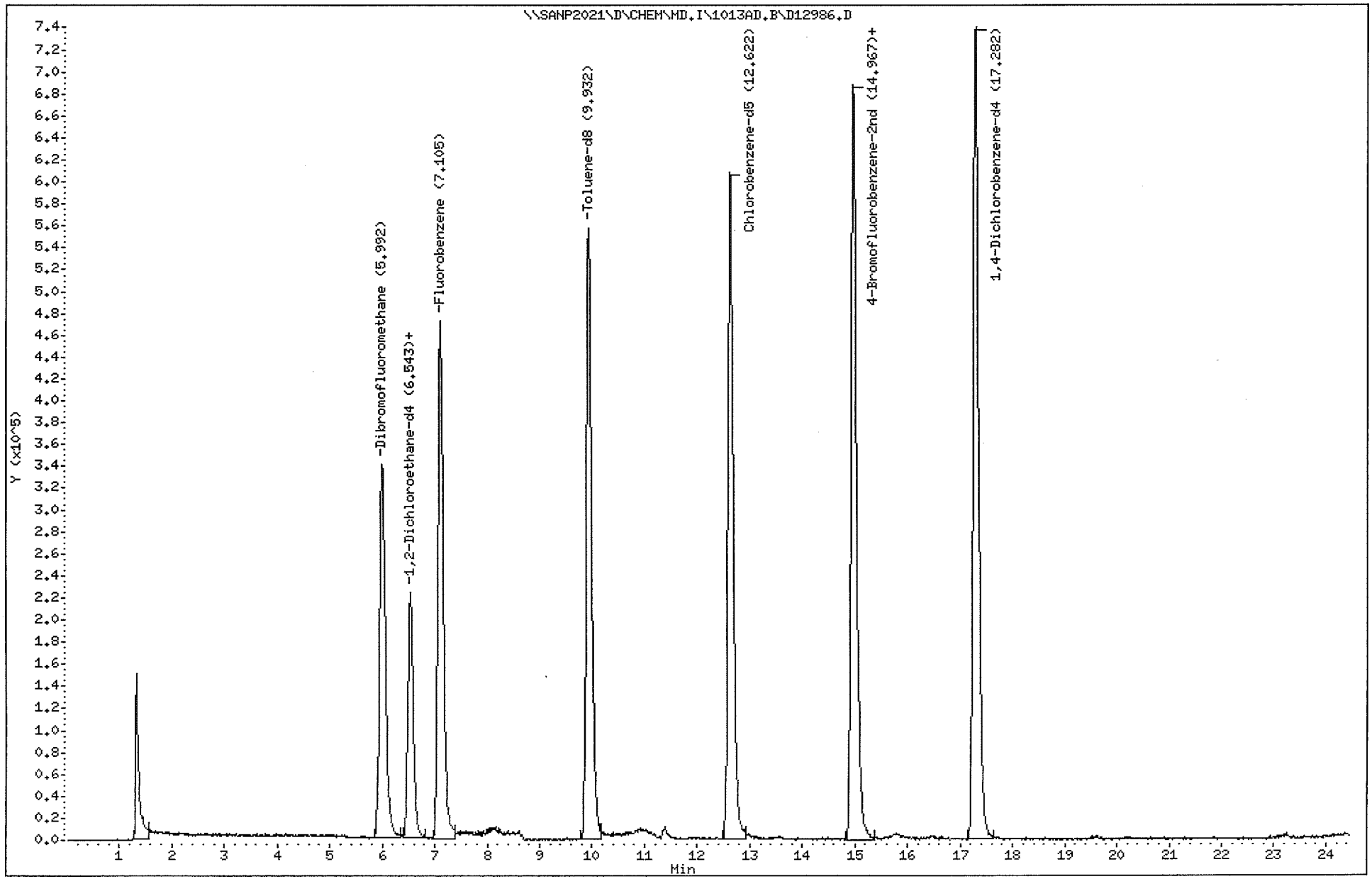
Sample Info: DLH3E101,,2,,0,1,0,8260BDA.M,D12986

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000392

BOE-C6-0155057

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12986.D

Date : 13-OCT-2000 16:52

Client ID: D12986

Instrument: md.i

Sample Info: DLH3E101,,2,,0,1,0,8260BDA.M,D12986

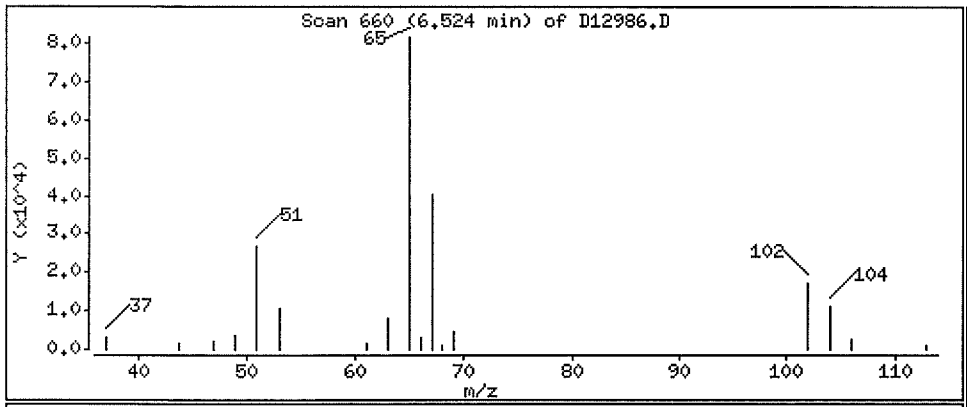
Operator: GFB

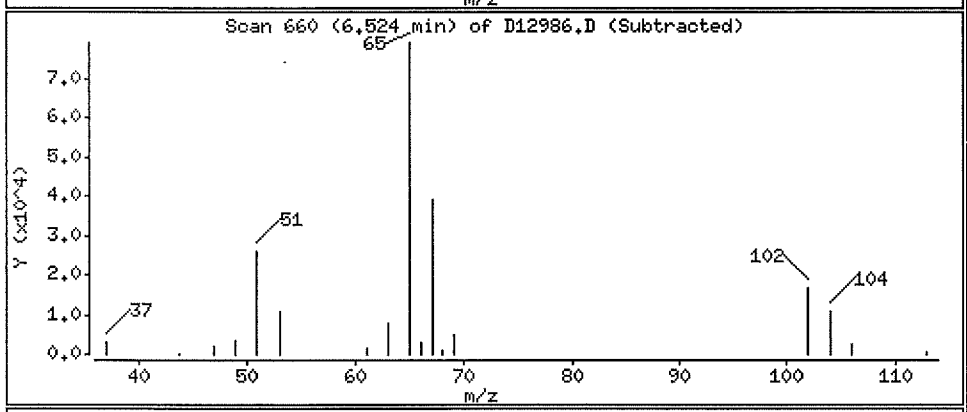
Column phase: J&W DB-624

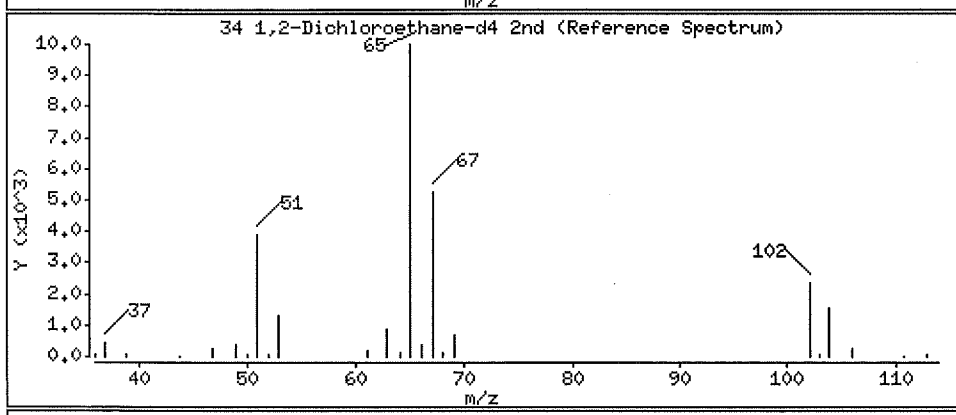
Column diameter: 0.53

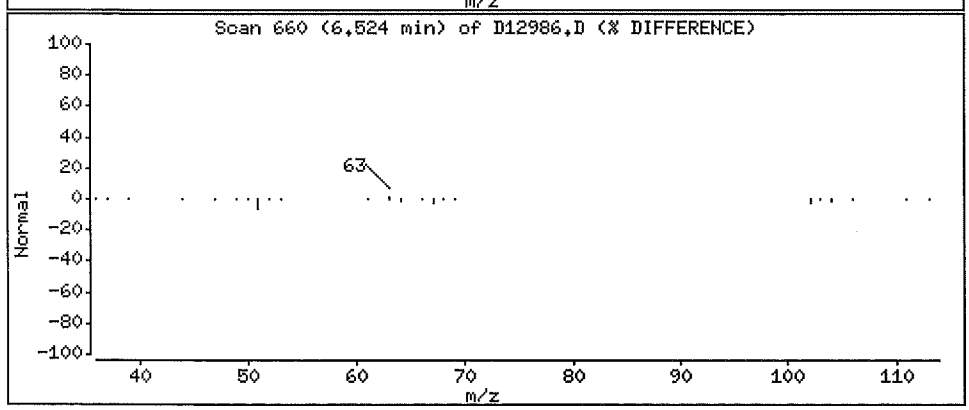
34 1,2-Dichloroethane-d4 2nd

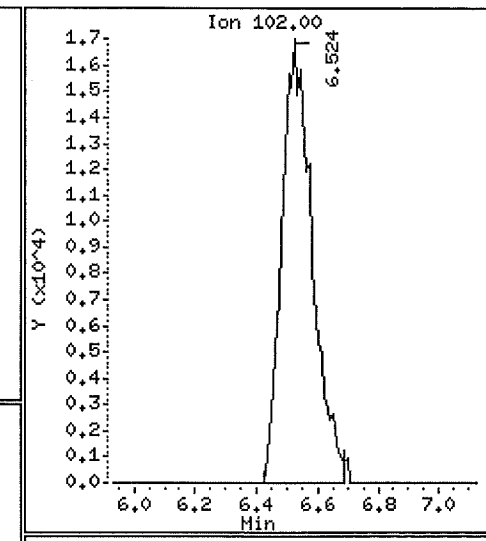
Concentration: 43.62 ug/Kg

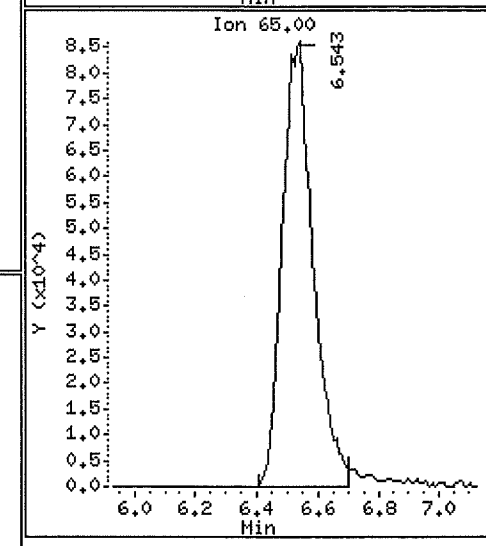












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12986.D

Date : 13-OCT-2000 16:52

Client ID: D12986

Instrument: md.i

Sample Info: DLH3E101,,2,,0,1,0,8260BDA.M,D12986

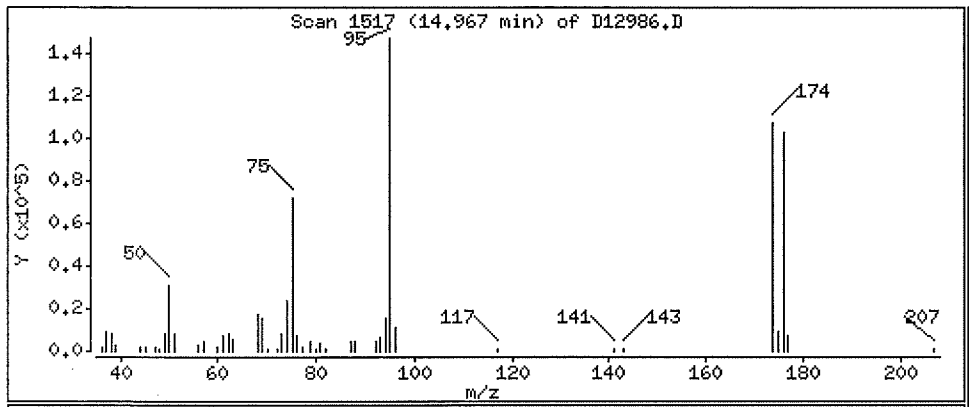
Operator: GFB

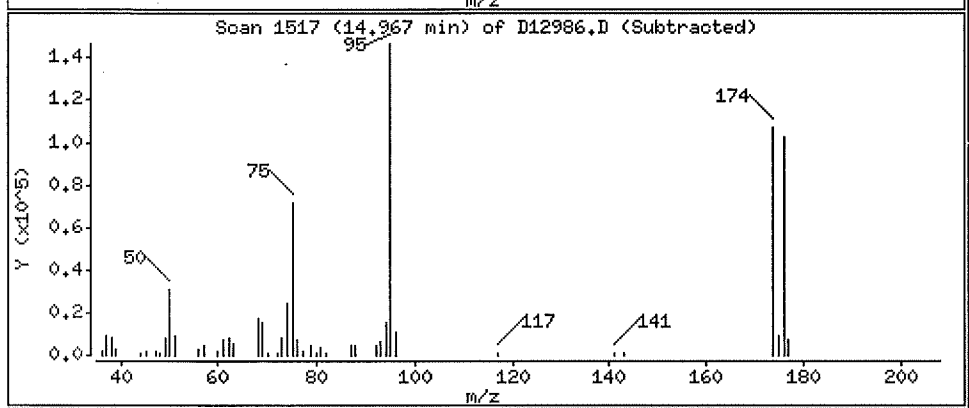
Column phase: J&W DB-624

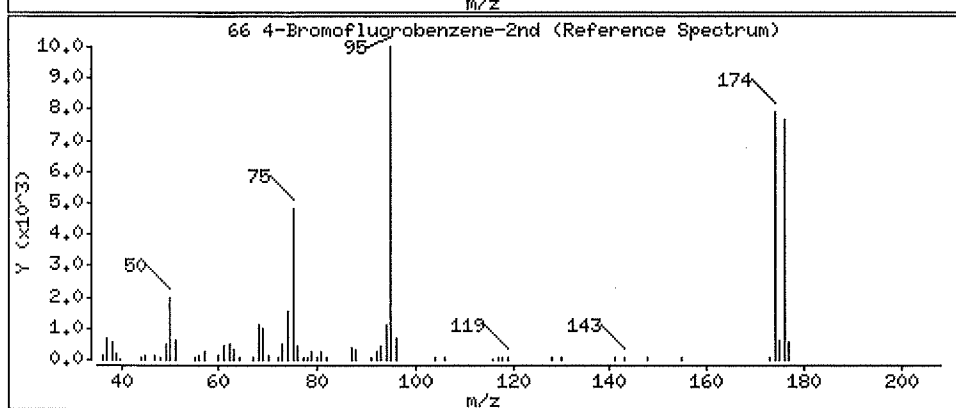
Column diameter: 0.53

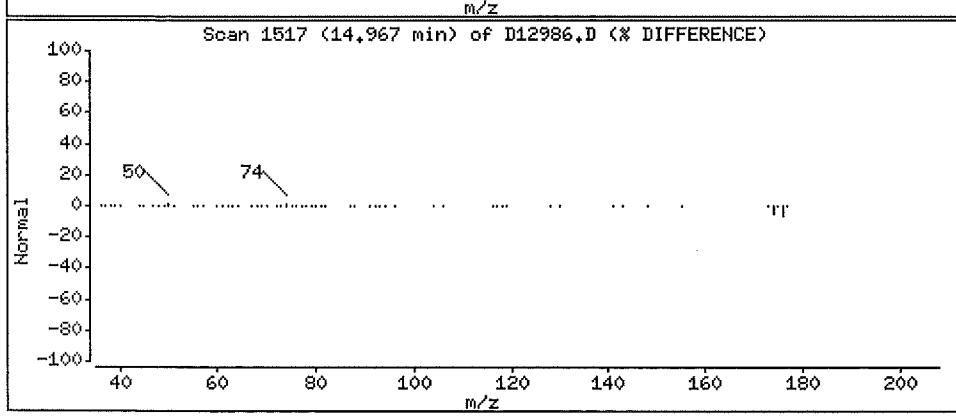
66 4-Bromofluorobenzene-2nd

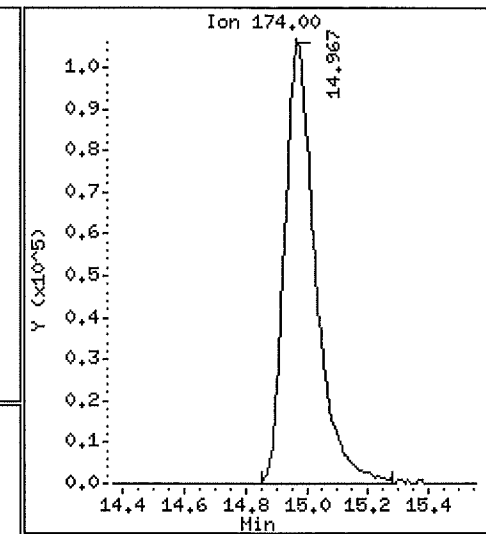
Concentration: 44.66 ug/Kg

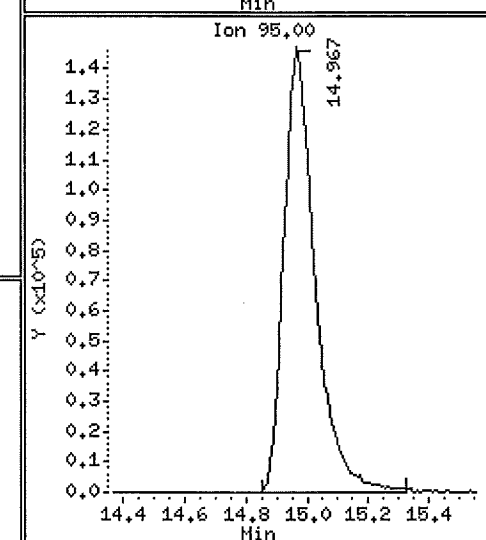


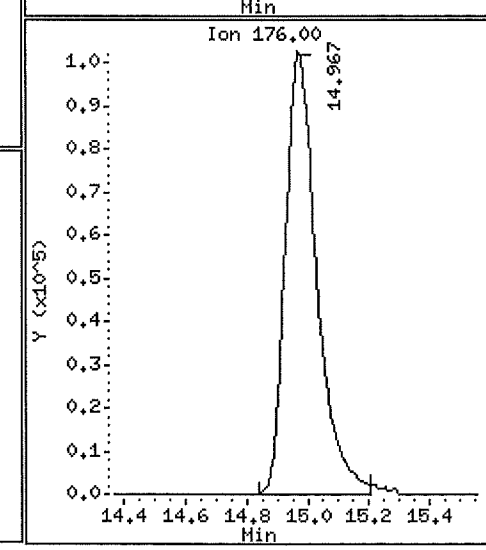












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12986.D

Date : 13-OCT-2000 16:52

Client ID: D12986

Instrument: md.i

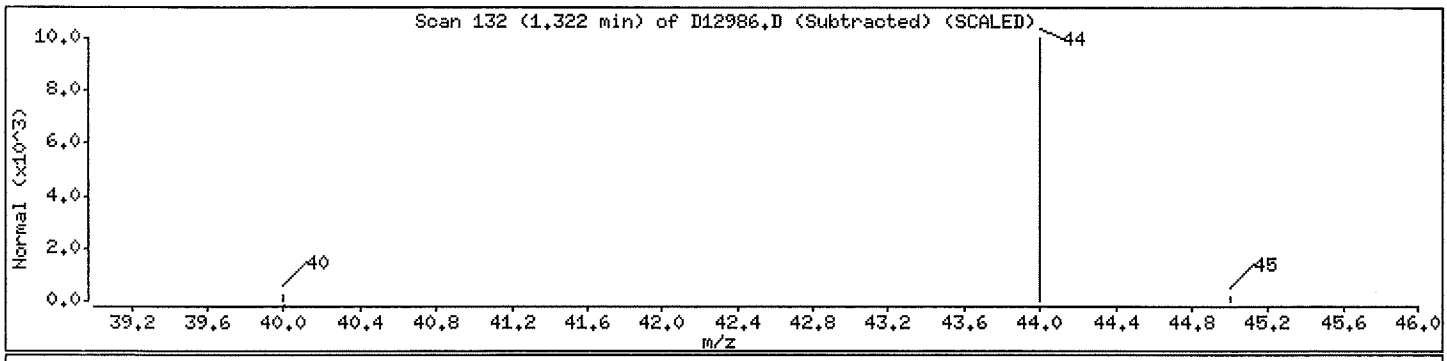
Sample Info: DLH3E101,,2,,0,1,0,8260BDA.M,D12986

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12987.D
Lab Smp Id: DLH3F101 Client Smp ID: D12987
Inj Date : 13-OCT-2000 17:24
Operator : GFB Inst ID: md.i
Smp Info : DLH3F101,,2,,0,1,0,8260BDA.M,D12987
Misc Info : 125-6,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.986	5.996	(0.843)	797559	41.1049	41.10
$ 33 1,2-Dichloroethane-d4	65	6.527	6.528	(0.920)	621575	47.4605	47.46
34 1,2-Dichloroethane-d4 2nd	102	6.537	6.528	(0.921)	118364	44.7970	44.80
36 1,2-Dichloroethane	62	7.119	6.666	(1.003)	25262	1.73298	1.73(aQ)
* 38 Fluorobenzene	96	7.099	7.100	(1.000)	1364111	50.0000	
$ 47 Toluene-d8	98	9.927	9.927	(0.786)	1329648	44.8526	44.85
* 56 Chlorobenzene-d5	117	12.626	12.617	(1.000)	1280570	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.971	14.962	(0.867)	782279	42.8749	42.87
$ 67 4-Bromofluorobenzene	95	14.961	14.972	(0.866)	1096148	45.0125	45.01
* 79 1,4-Dichlorobenzene-d4	152	17.266	17.277	(1.000)	916315	50.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12987.D
Lab Smp Id: DLH3F101 Client Smp ID: D12987
Inj Date : 13-OCT-2000 17:24
Operator : GFB Inst ID: md.i
Smp Info : DLH3F101,,2,,0,1,0,8260BDA.M,D12987
Misc Info : 125-6,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.099	3341412	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.325	623671	9.33244805	9.33	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH3F101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12987
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

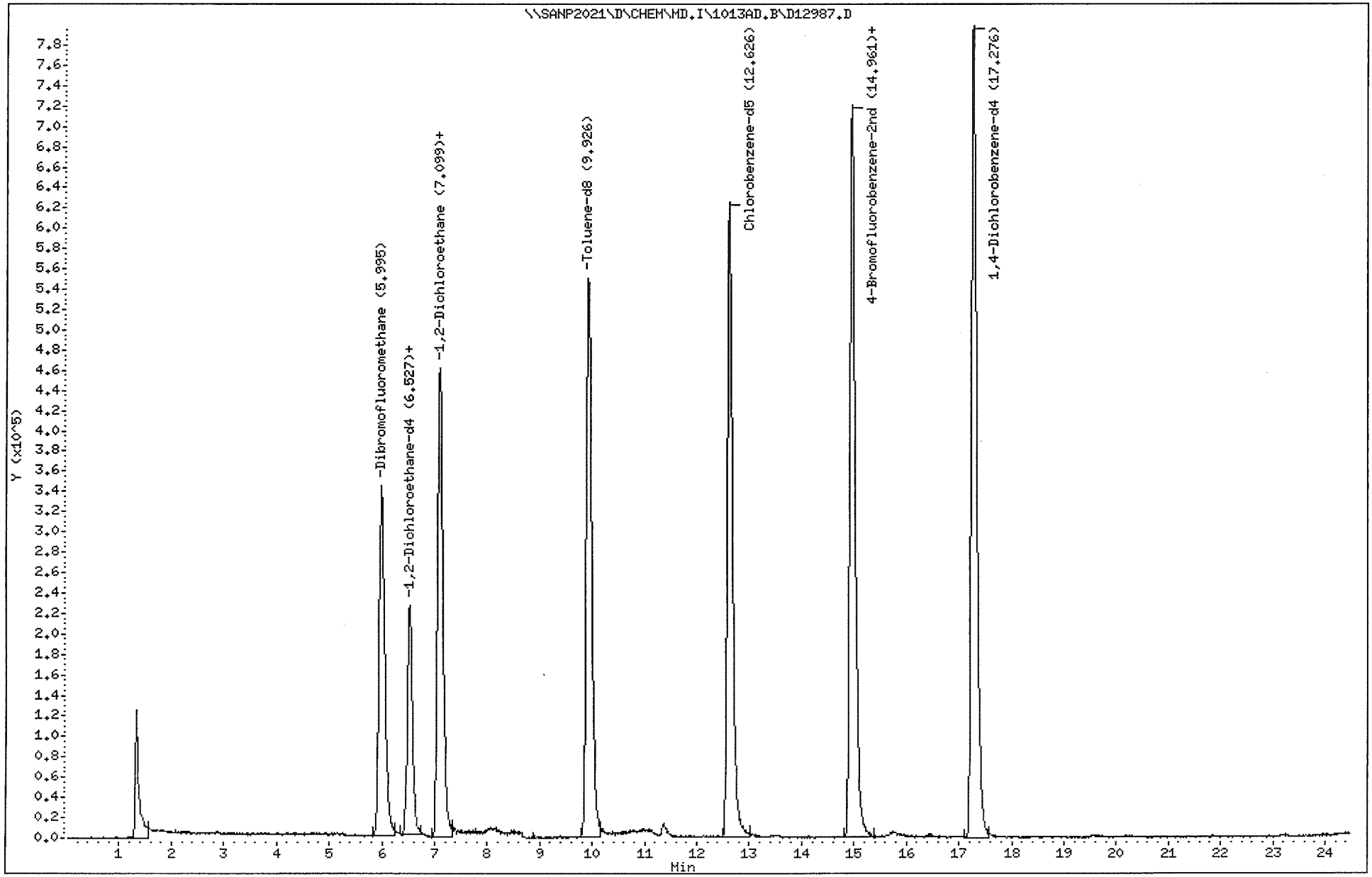
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown JV	1.325	9.33	J

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12987.D
Date : 13-OCT-2000 17:24
Client ID: D12987
Sample Info: DLH3F101,,2,,0,1,0,8260BDA.M,D12987

Instrument: md.i

Operator: GFB
Column diameter: 0.53

Column phase: J&W DB-624



000400

BOE-C6-0155065

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12987.D

Date : 13-OCT-2000 17:24

Client ID: D12987

Instrument: md.i

Sample Info: DLH3F101,,2,,0,1,0,8260BDA.M,D12987

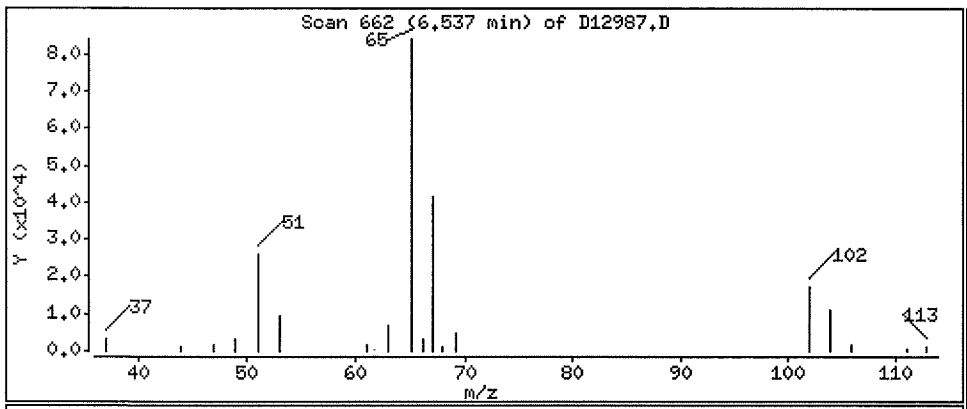
Operator: GFB

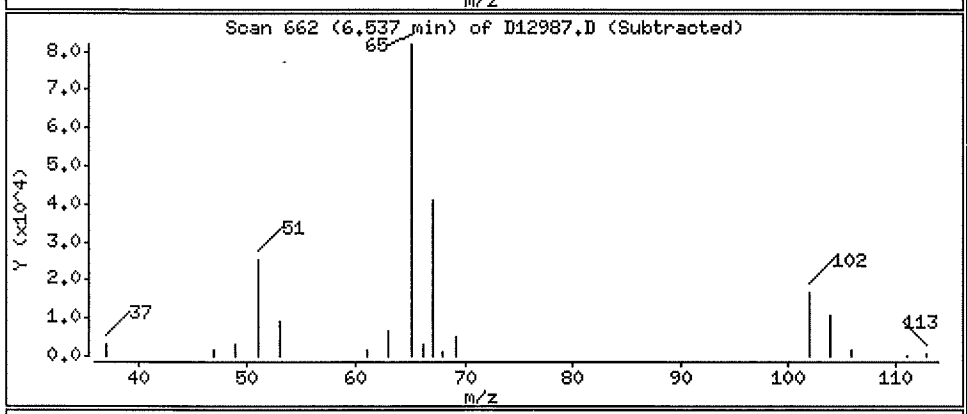
Column phase: J&W DB-624

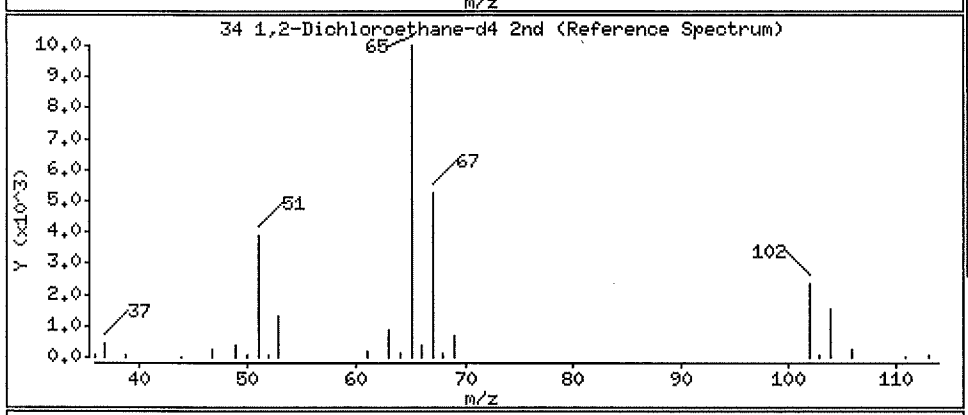
Column diameter: 0.53

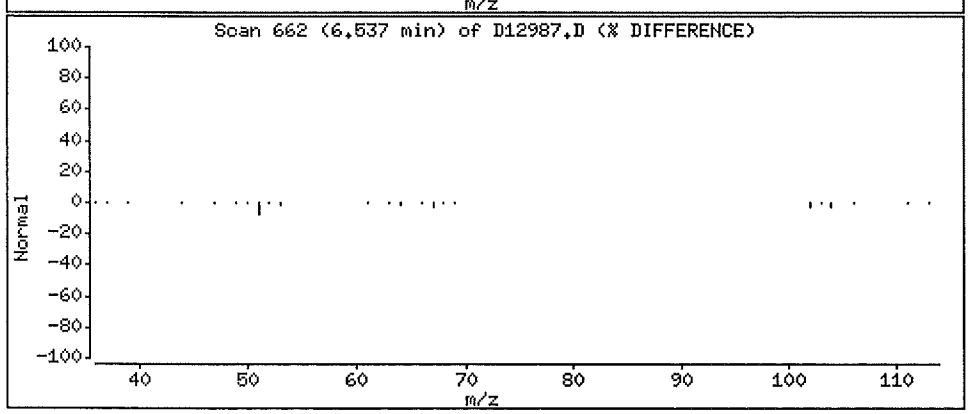
34 1,2-Dichloroethane-d4 2nd

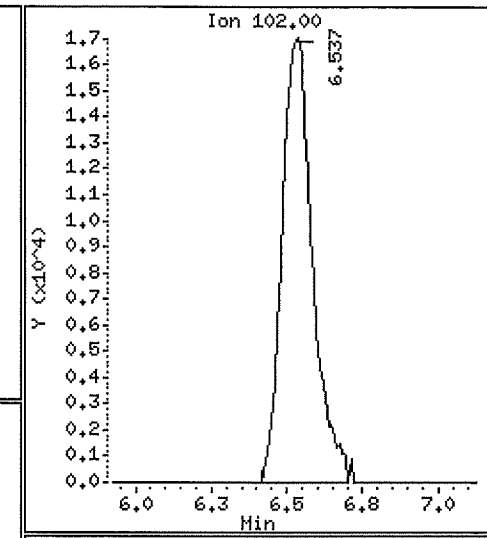
Concentration: 44.80 ug/Kg

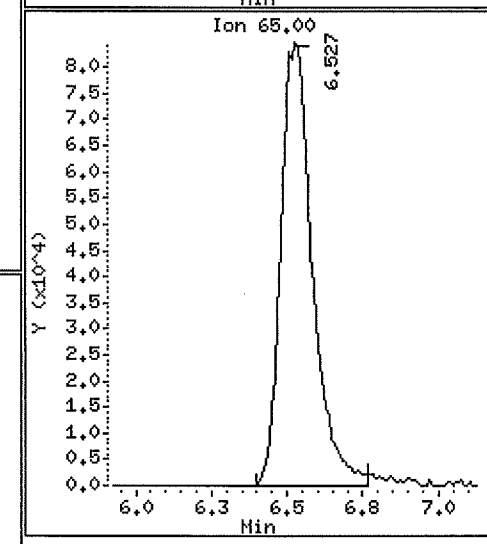












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12987.D

Date : 13-OCT-2000 17:24

Client ID: D12987

Instrument: md.i

Sample Info: DLH3F101,,2,,0,1,0,8260BDA.M,D12987

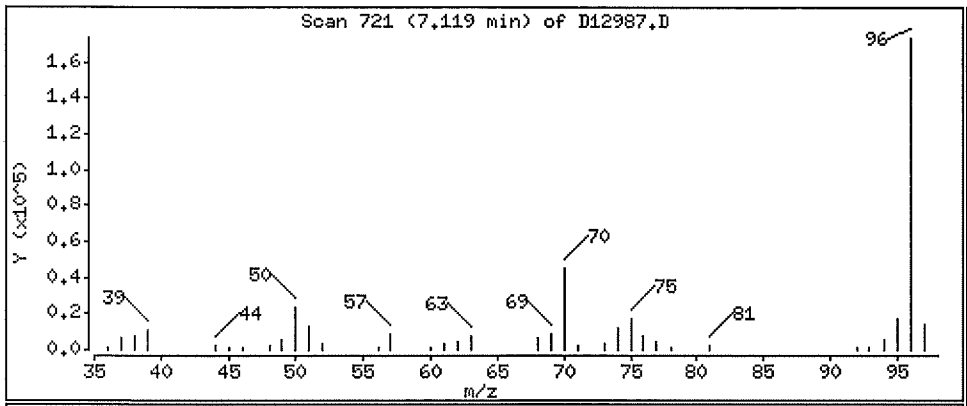
Operator: GFB

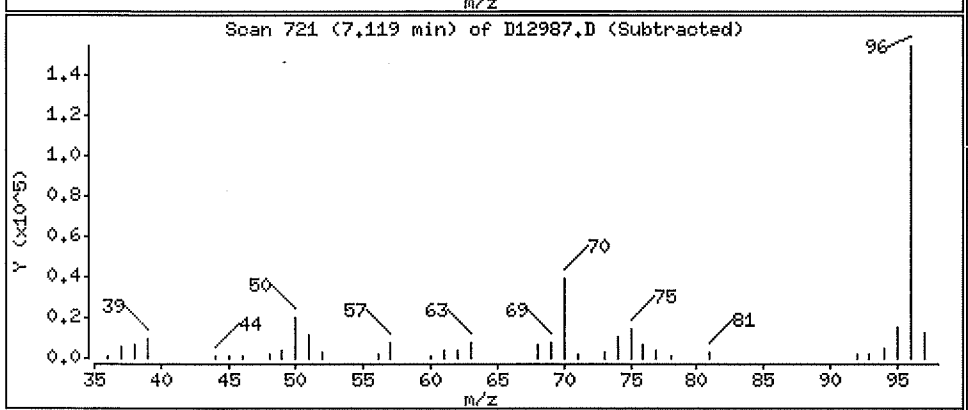
Column phase: J&W DB-624

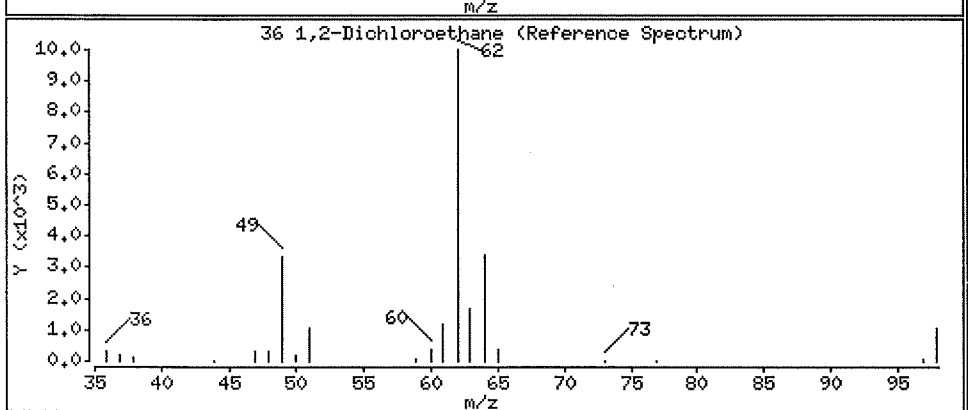
Column diameter: 0.53

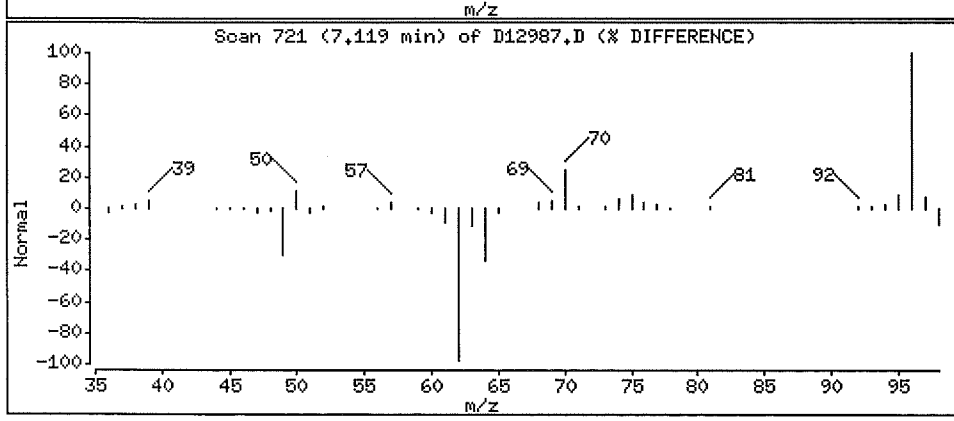
36 1,2-Dichloroethane

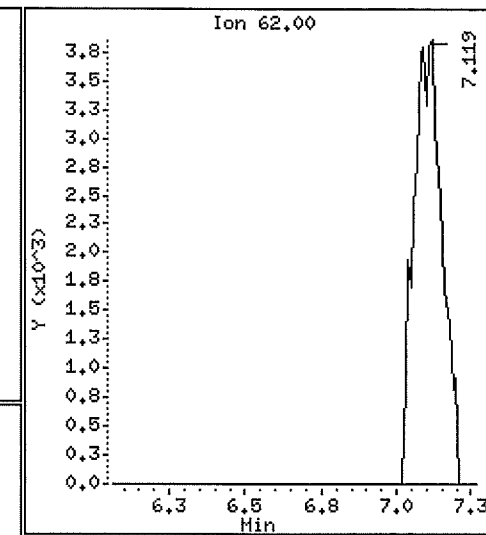
Concentration: 1.73 ug/Kg

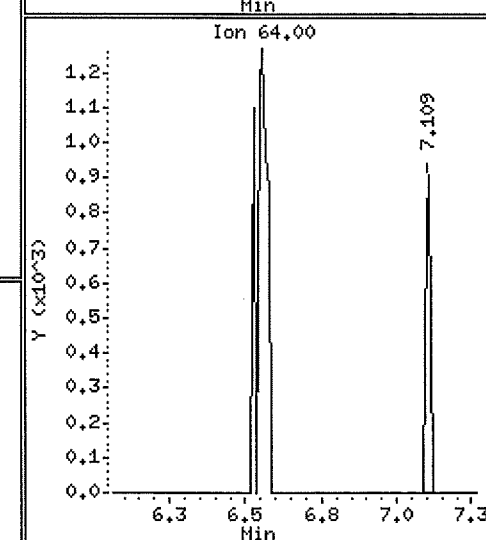


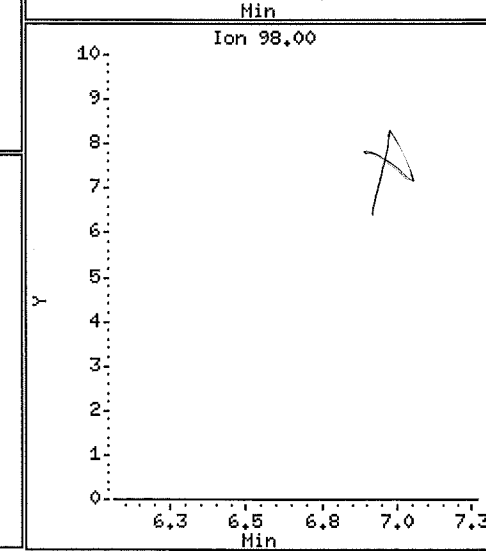












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12987.D

Date : 13-OCT-2000 17:24

Client ID: D12987

Instrument: md.i

Sample Info: DLH3F101,,2,,0,1,0,8260BDA,M,D12987

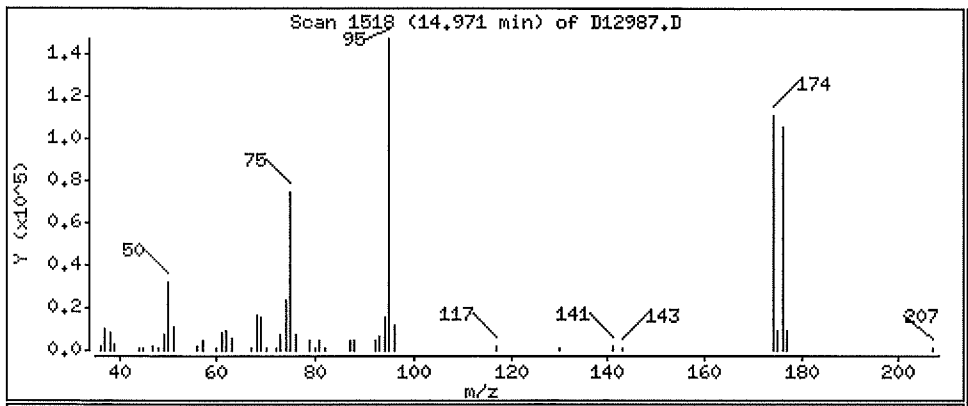
Operator: GFB

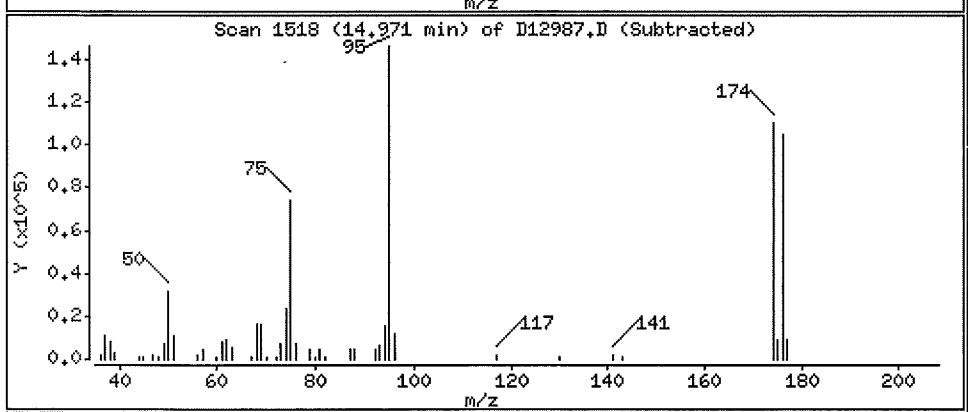
Column phase: J&W DB-624

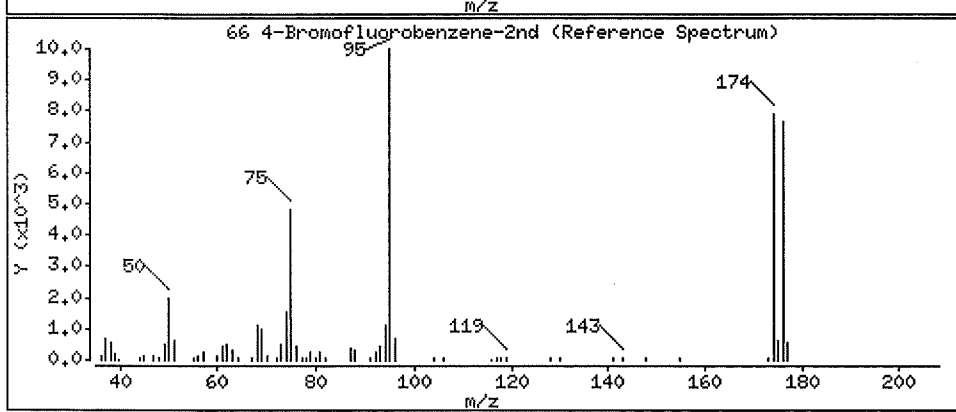
Column diameter: 0.53

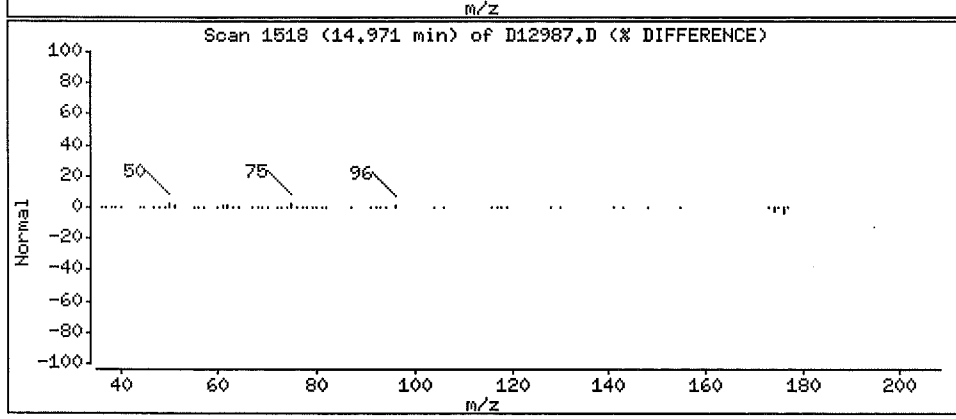
66 4-Bromofluorobenzene-2nd

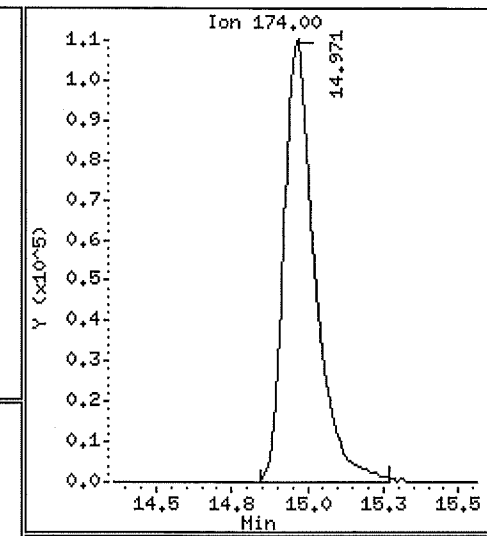
Concentration: 42.87 ug/Kg

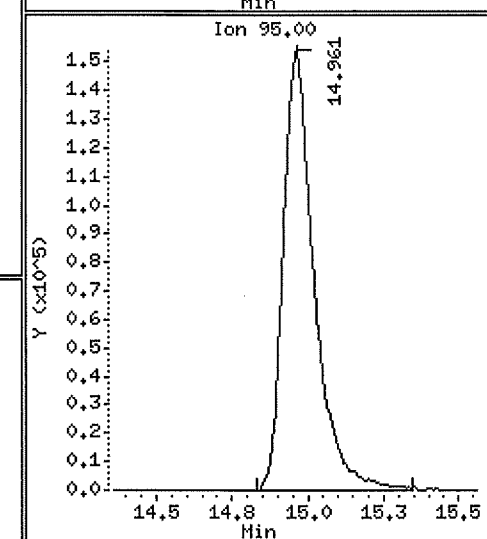


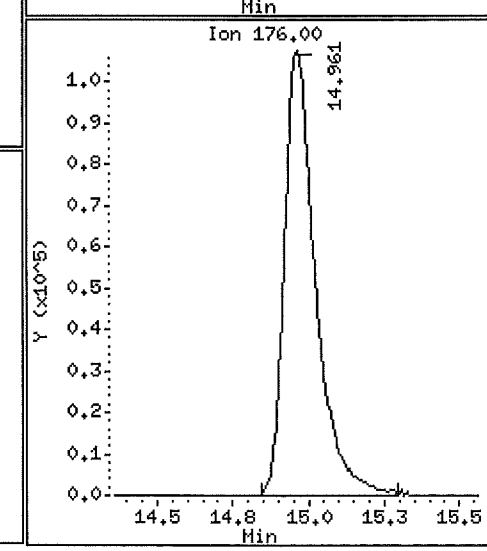












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12987.D

Date : 13-OCT-2000 17:24

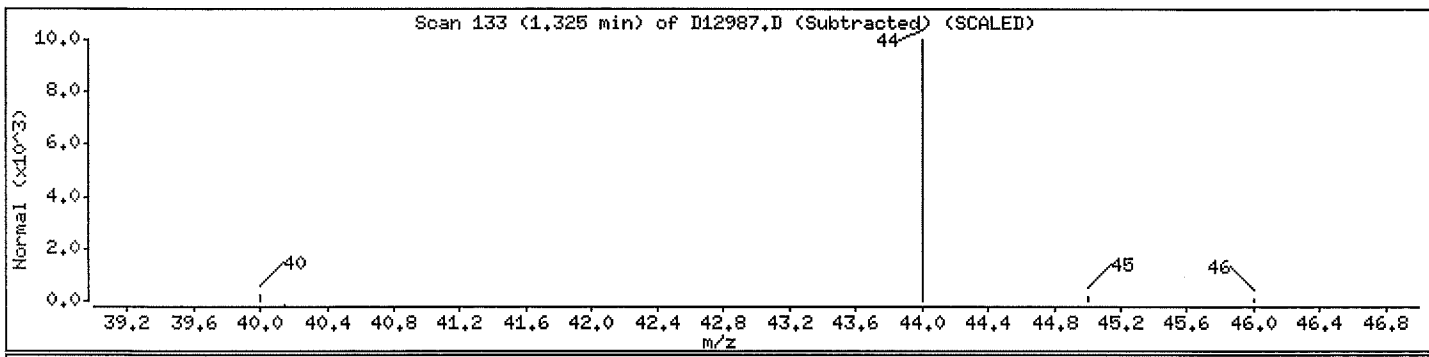
Client ID: D12987 Instrument: md.i

Sample Info: DLH3F101,,2,,0,1,0,8260BDA.M,D12987

Operator: GFB

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12988.D
Lab Smp Id: DLH3H101 Client Smp ID: D12988
Inj Date : 13-OCT-2000 17:56
Operator : GFB Inst ID: md.i
Smp Info : DLH3H101,,2,,0,1,0,8260BDA.M,D12988
Misc Info : 125-7,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.991	5.996	(0.844)	816331	42.1010	42.10
$ 33 1,2-Dichloroethane-d4	65	6.523	6.528	(0.919)	622666	47.5760	47.58
34 1,2-Dichloroethane-d4 2nd	102	6.513	6.528	(0.918)	117811	44.6180	44.62
* 38 Fluorobenzene	96	7.094	7.100	(1.000)	1363187	50.0000	
$ 47 Toluene-d8	98	9.932	9.927	(0.787)	1341455	45.9139	45.91
* 56 Chlorobenzene-d5	117	12.621	12.617	(1.000)	1262080	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.966	14.962	(0.867)	783220	43.3937	43.39
$ 67 4-Bromofluorobenzene	95	14.956	14.972	(0.866)	1087705	45.1520	45.15
* 79 1,4-Dichlorobenzene-d4	152	17.272	17.277	(1.000)	906448	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12988.D
Lab Smp Id: DLH3H101 Client Smp ID: D12988
Inj Date : 13-OCT-2000 17:56
Operator : GFB Inst ID: md.i
Smp Info : DLH3H101,,2,,0,1,0,8260BDA.M,D12988
Misc Info : 125-7,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.094	3298879	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.321	575081	8.71630629	8.72	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH3H101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12988
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.321	8.72	J

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12988.D

Date : 13-OCT-2000 17:56

Client ID: D12988

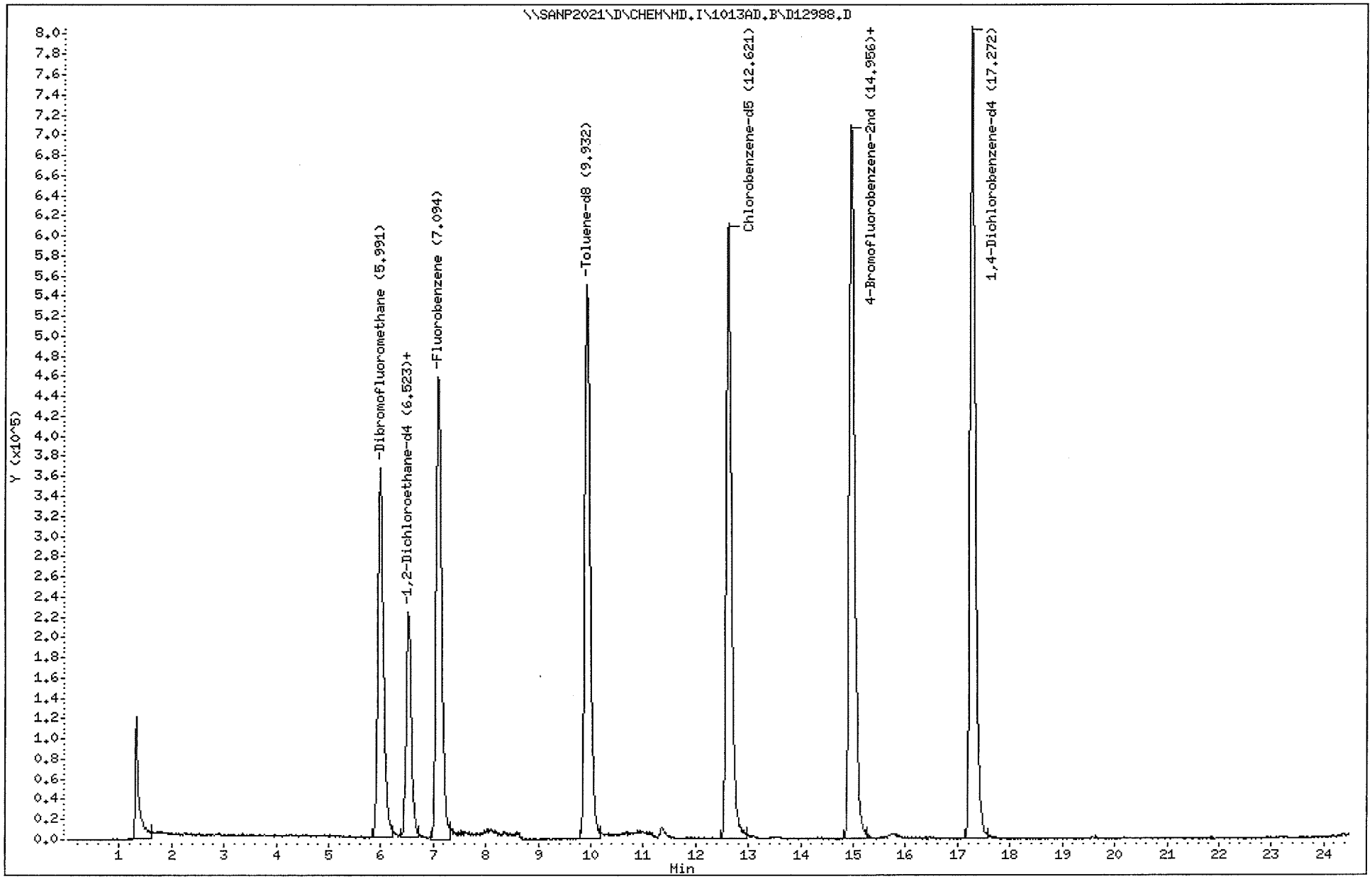
Sample Info: DLH3H101,,2,,0,1,0,8260BDA.M,D12988

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000408

BOE-C6-0155073

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12988.D

Date : 13-OCT-2000 17:56

Client ID: D12988

Instrument: md.i

Sample Info: DLH3H101,,2,,0,1,0,8260BDA.M,D12988

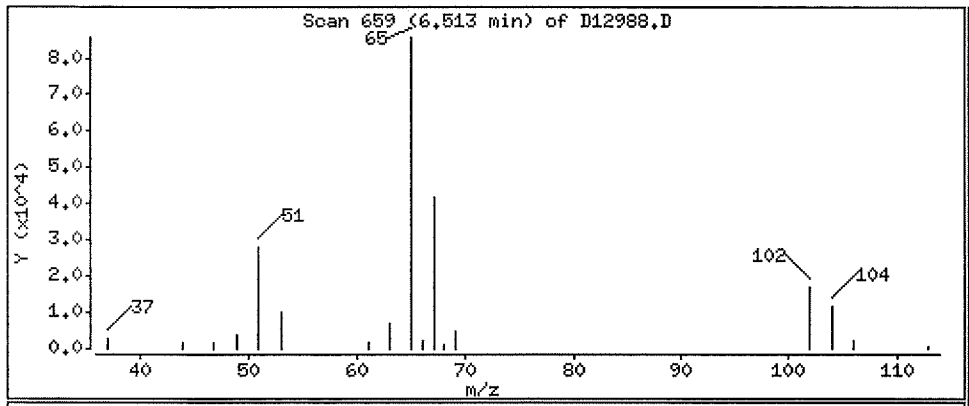
Operator: GFB

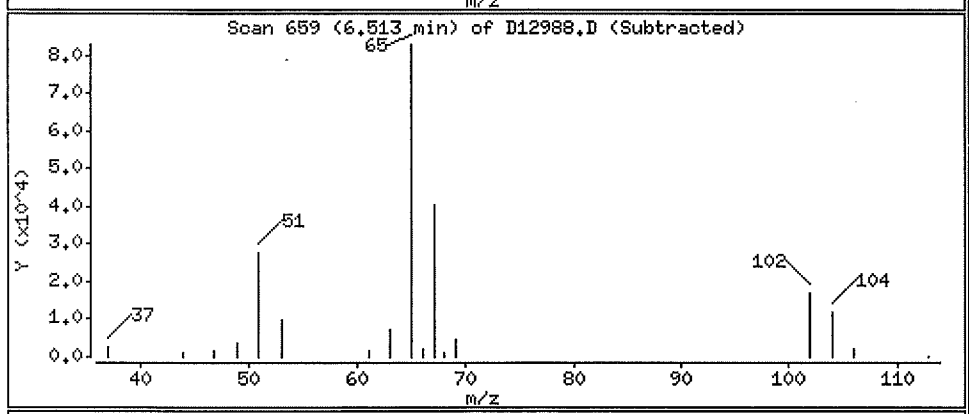
Column phase: J&W DB-624

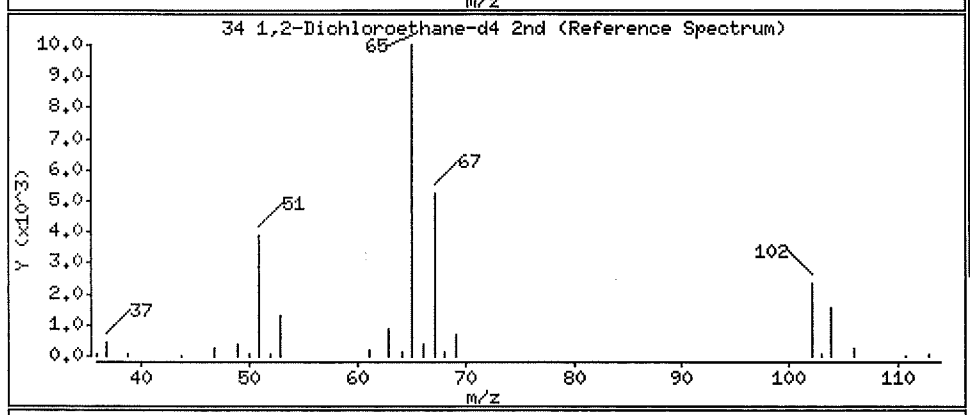
Column diameter: 0.53

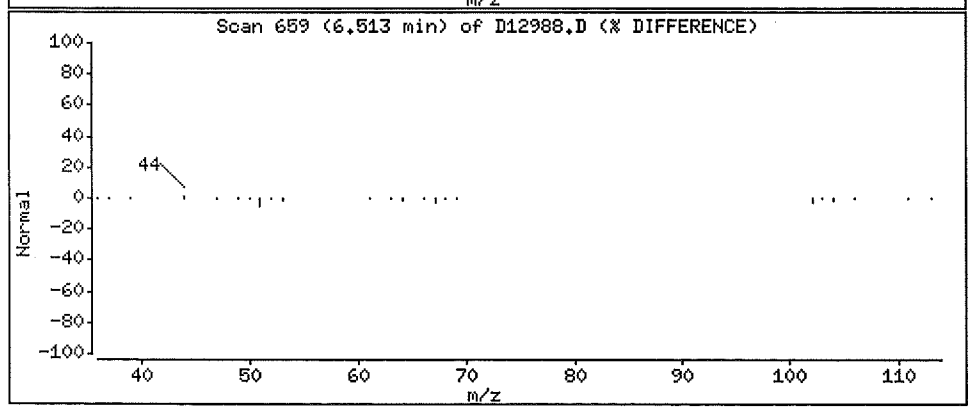
34 1,2-Dichloroethane-d4 2nd

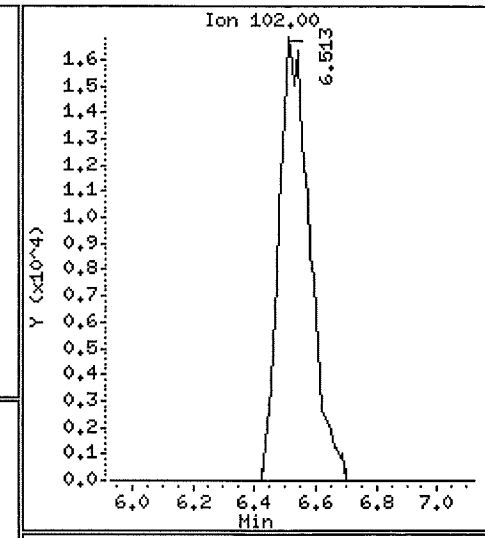
Concentration: 44.62 ug/Kg

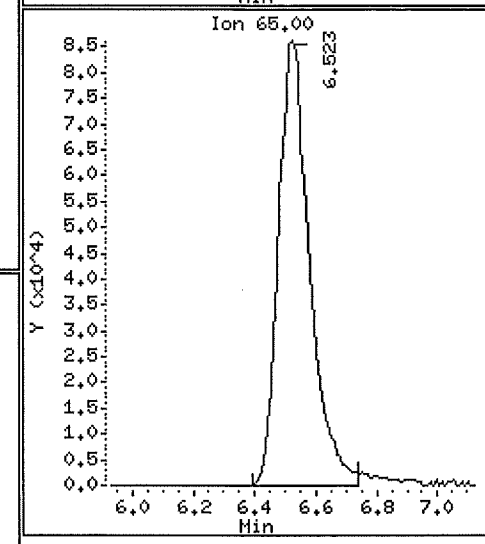












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12988.D

Date : 13-OCT-2000 17:56

Client ID: D12988

Instrument: md.i

Sample Info: DLH3H101,,2,,0,1,0,8260BDA.M,D12988

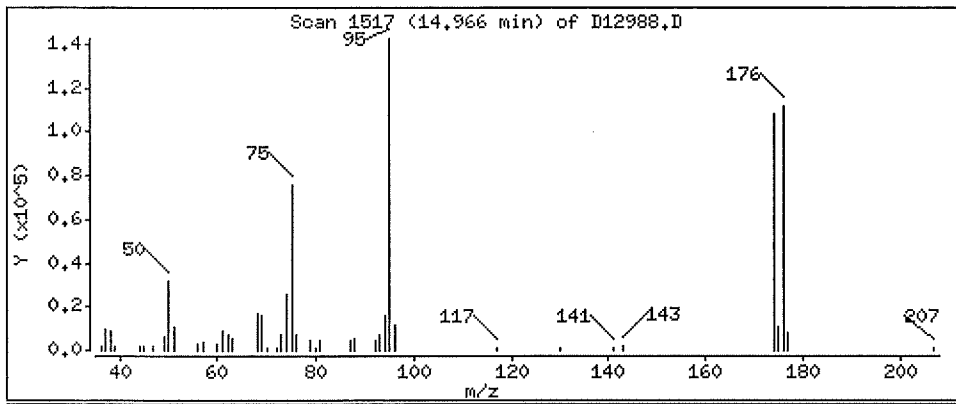
Operator: GFB

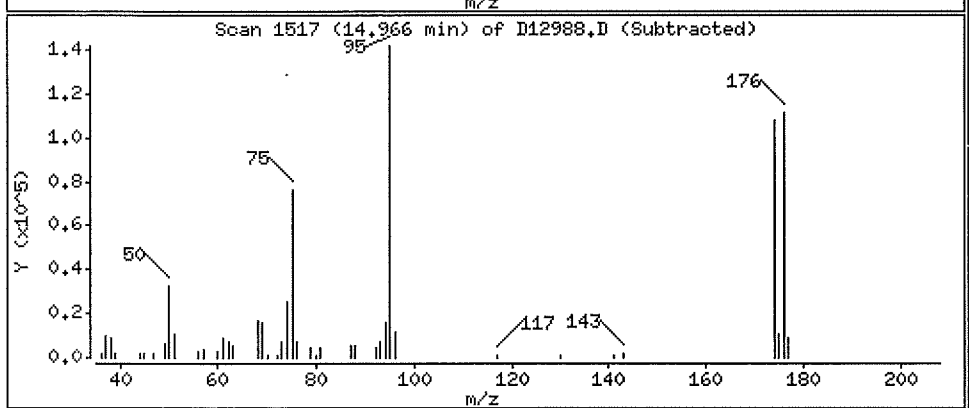
Column phase: J&W DB-624

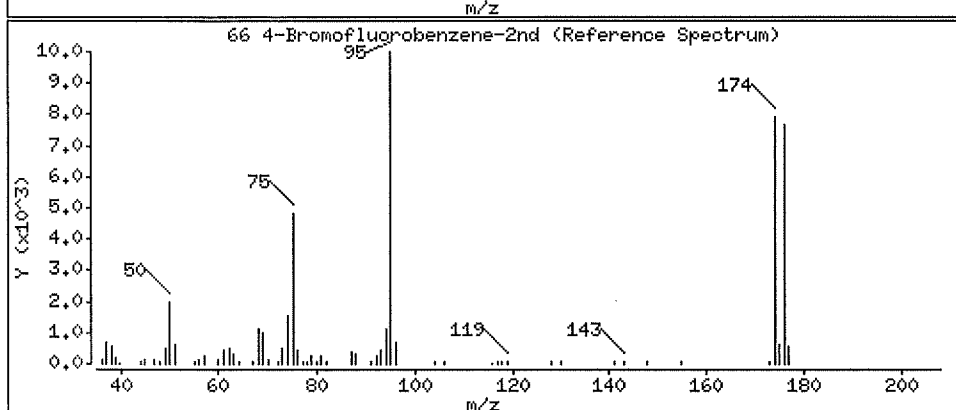
Column diameter: 0.53

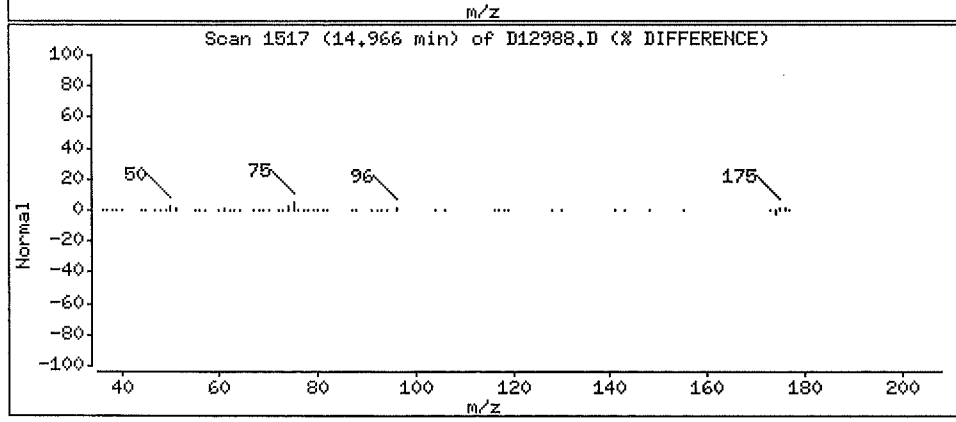
66 4-Bromofluorobenzene-2nd

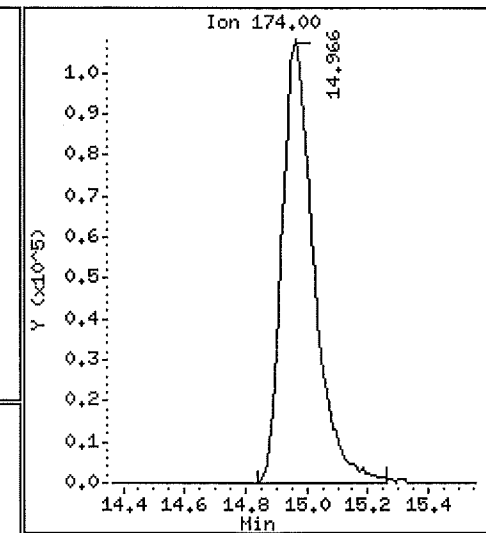
Concentration: 43.39 ug/Kg

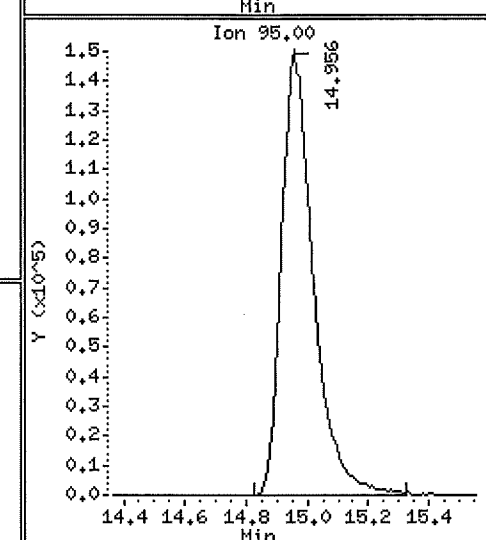


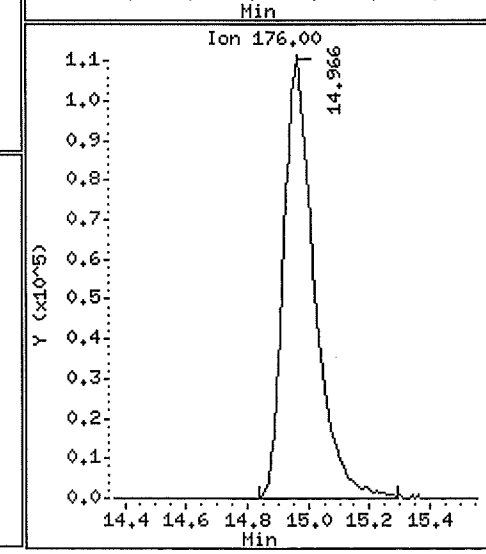












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12988.D

Date : 13-OCT-2000 17:56

Client ID: D12988

Instrument: md.i

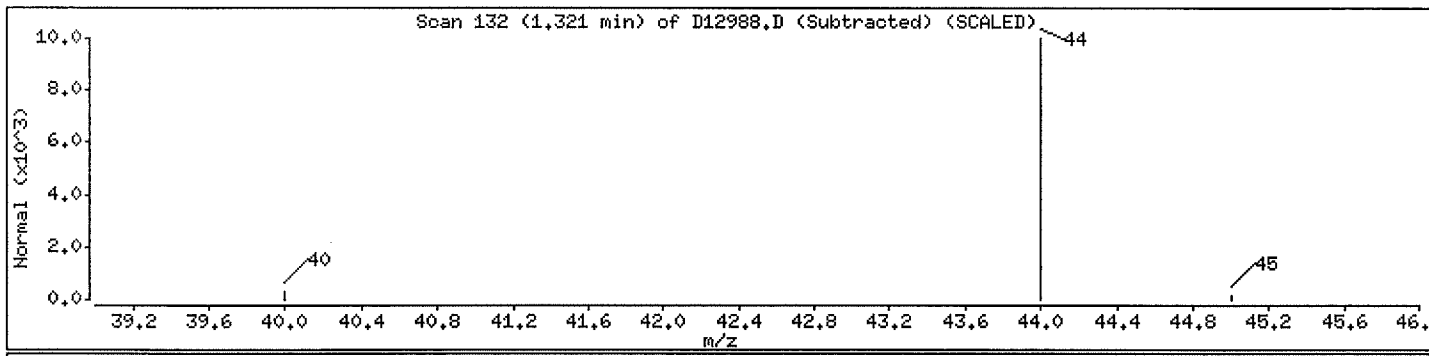
Sample Info: DLH3H101,,2,,0,1,0,8260BDA,M,D12988

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12989.D
Lab Smp Id: DLH3J101 Client Smp ID: D12989
Inj Date : 13-OCT-2000 18:28
Operator : GFB Inst ID: md.i
Smp Info : DLH3J101,,2,,0,1,0,8260BDA.M,D12989
Misc Info : 125-8,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.981	5.996	(0.843)	827823	43.9127	43.91
$ 33 1,2-Dichloroethane-d4	65	6.523	6.528	(0.919)	599635	47.1245	47.12
34 1,2-Dichloroethane-d4 2nd	102	6.523	6.528	(0.919)	111405	43.3965	43.40
36 1,2-Dichloroethane	62	7.104	6.666	(1.001)	21383	1.50980	1.51(aQ)
* 38 Fluorobenzene	96	7.094	7.100	(1.000)	1325344	50.0000	
$ 47 Toluene-d8	98	9.912	9.927	(0.785)	1259526	43.6928	43.69
* 56 Chlorobenzene-d5	117	12.622	12.617	(1.000)	1245236	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.966	14.962	(0.867)	754882	43.9199	43.92
$ 67 4-Bromofluorobenzene	95	14.966	14.972	(0.867)	1047509	45.6628	45.66
* 79 1,4-Dichlorobenzene-d4	152	17.272	17.277	(1.000)	863186	50.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12989.D
Lab Smp Id: DLH3J101 Client Smp ID: D12989
Inj Date : 13-OCT-2000 18:28
Operator : GFB Inst ID: md.i
Smp Info : DLH3J101,,2,,0,1,0,8260BDA.M,D12989
Misc Info : 125-8,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.094	3152876	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.321	595771	9.44806115	9.45	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH3J101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12989
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown UV	1.321	9.45	J

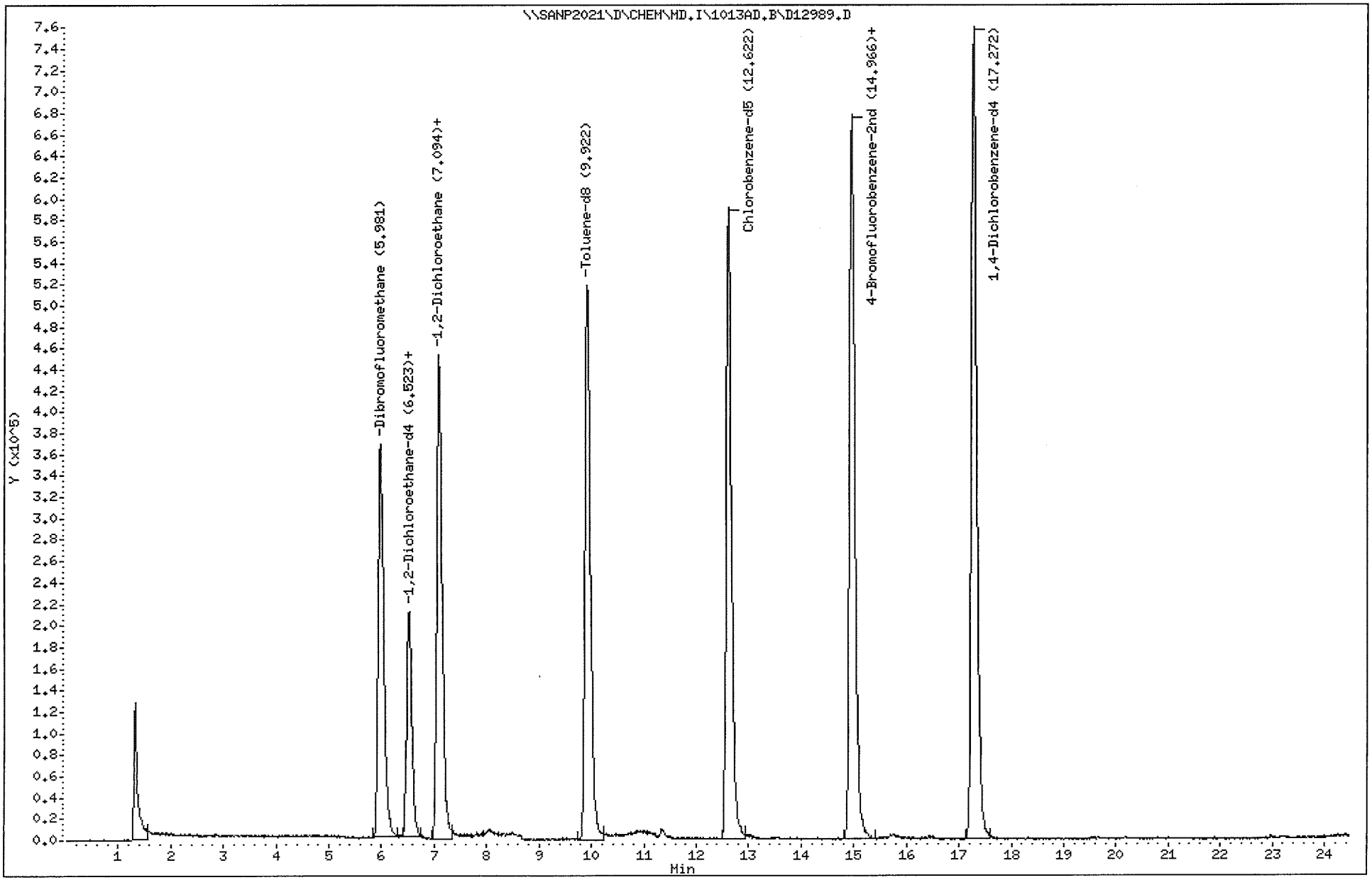
Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12989.D
Date : 13-OCT-2000 18:28
Client ID: D12989
Sample Info: DLH3J101,,2,,0,1,0,8260BDA.M,D12989

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000416

BOE-C6-0155081

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12989.D

Date : 13-OCT-2000 18:28

Client ID: D12989

Instrument: md.i

Sample Info: DLH3J101,,2,,0,1,0,8260BDA.M,D12989

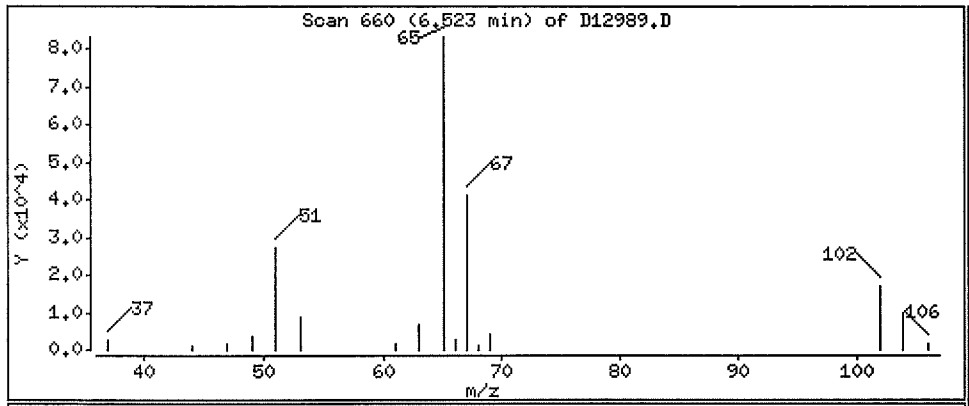
Operator: GFB

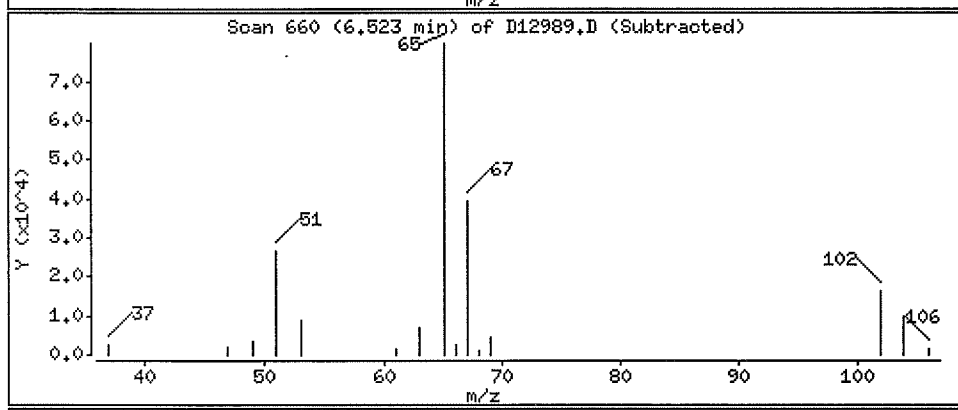
Column phase: J&W DB-624

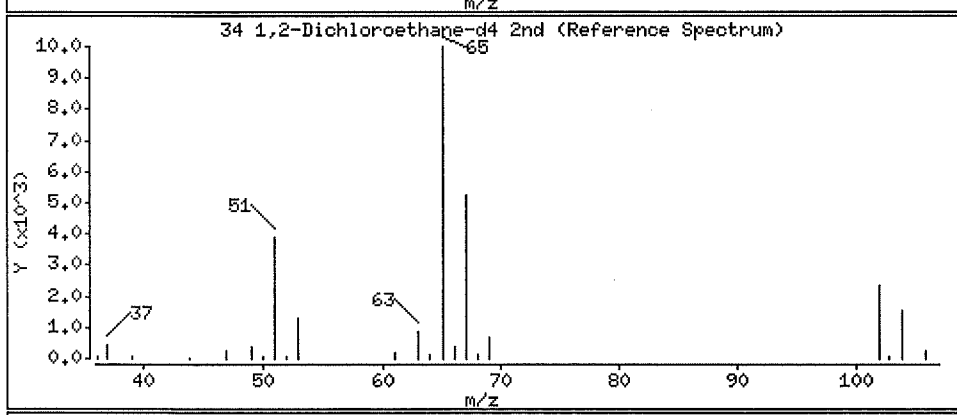
Column diameter: 0.53

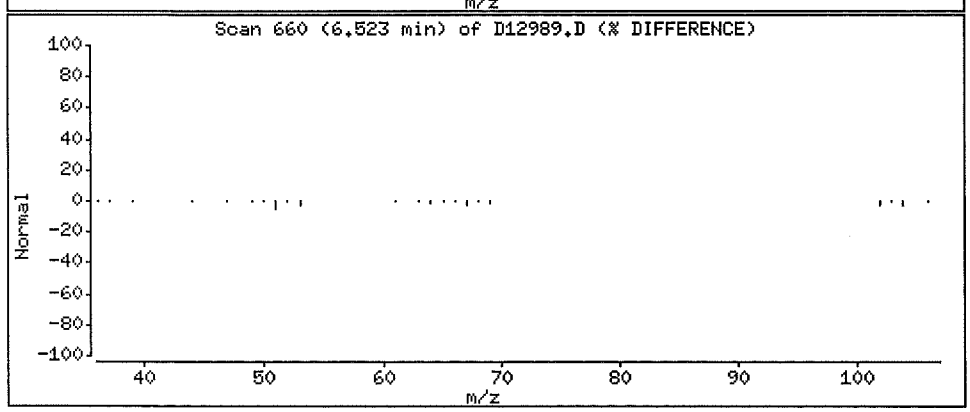
34 1,2-Dichloroethane-d4 2nd

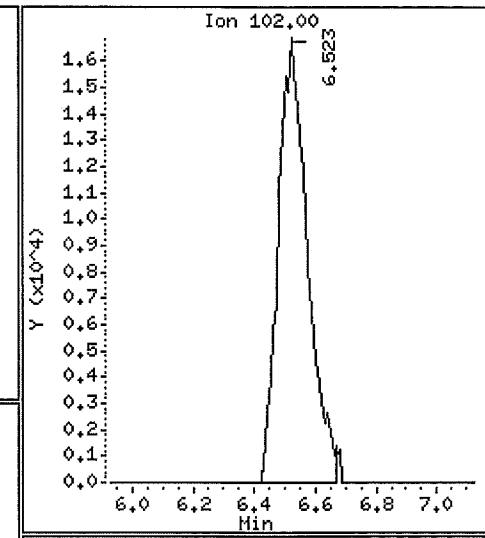
Concentration: 43.40 ug/Kg

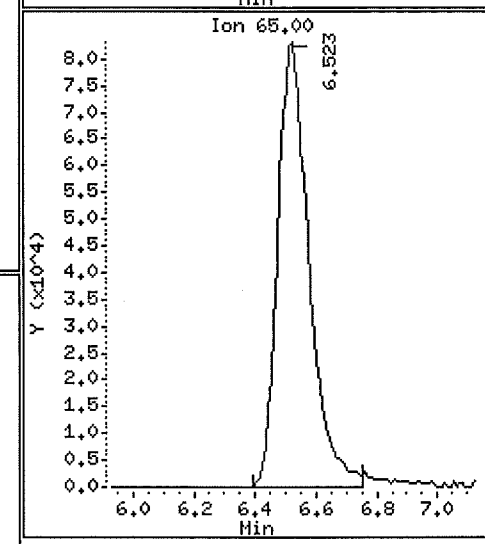












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12989.D

Date : 13-OCT-2000 18:28

Client ID: D12989

Instrument: md.i

Sample Info: DLH3J101,,2,,0,1,0,8260BDA.M,D12989

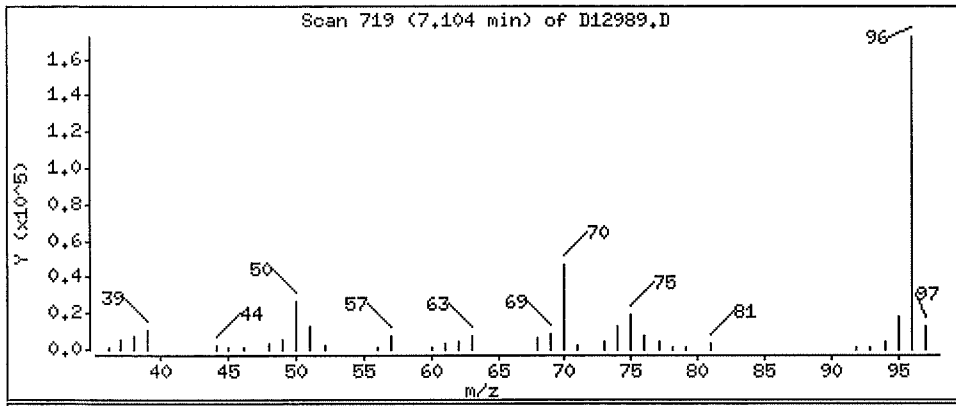
Operator: GFB

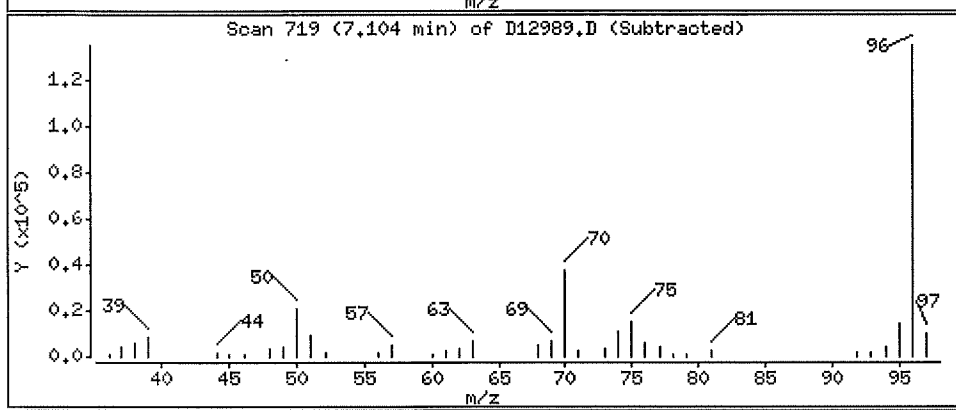
Column phase: J&W DB-624

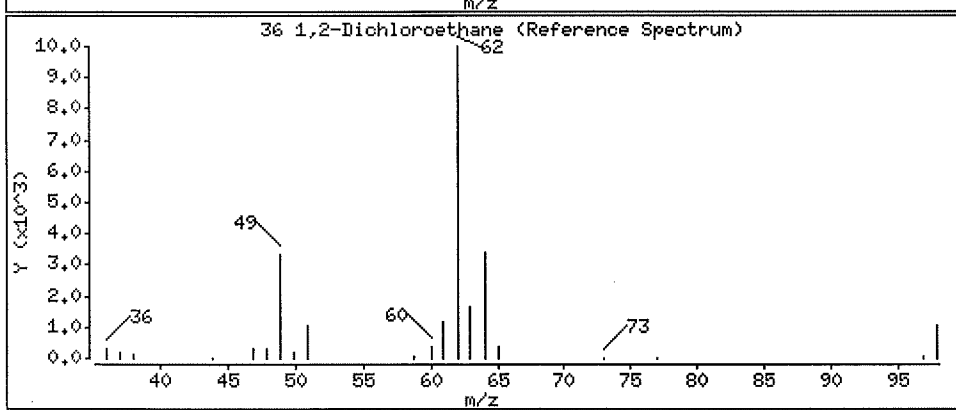
Column diameter: 0.53

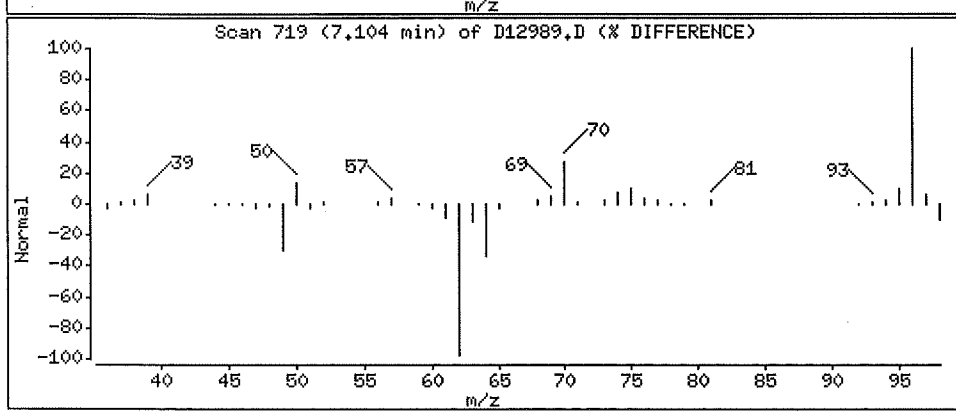
36 1,2-Dichloroethane

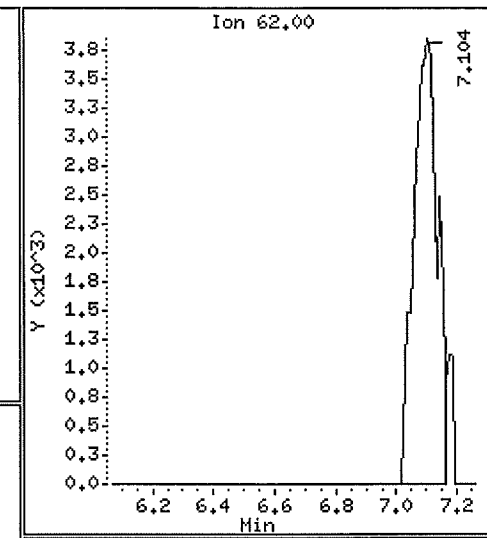
Concentration: 1.51 ug/Kg

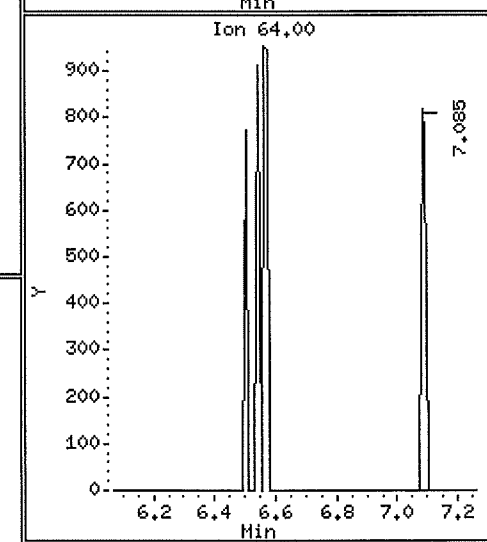


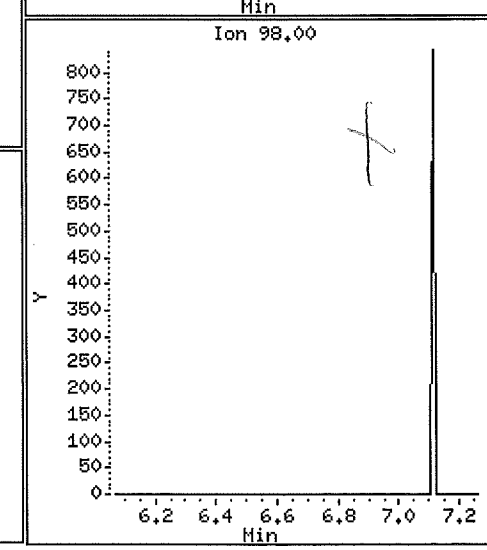












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12989.D

Date : 13-OCT-2000 18:28

Client ID: D12989

Instrument: md.i

Sample Info: DLH3J101,,2,,0,1,0,8260BDA.M,D12989

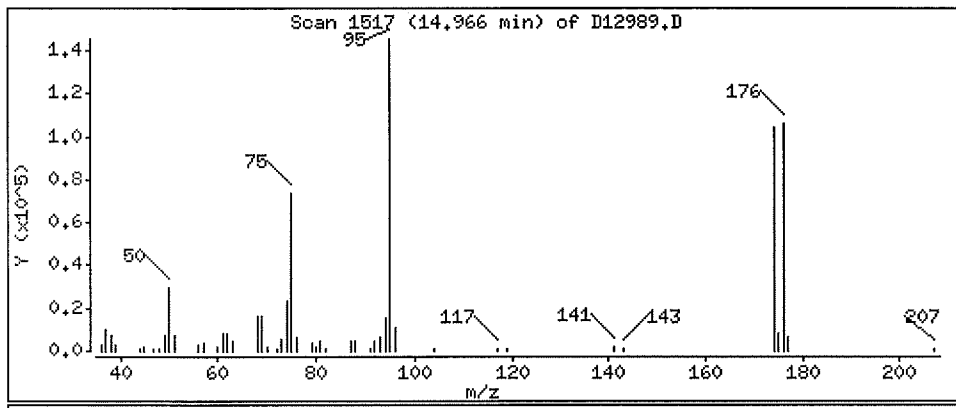
Operator: GFB

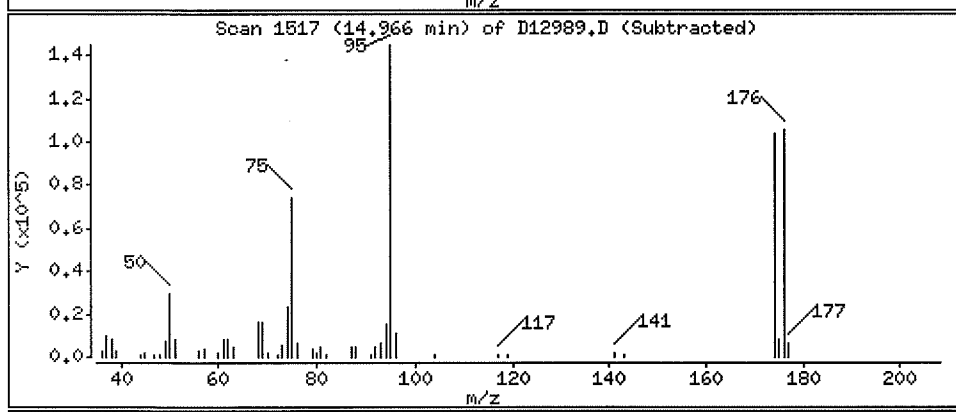
Column phase: J&W DB-624

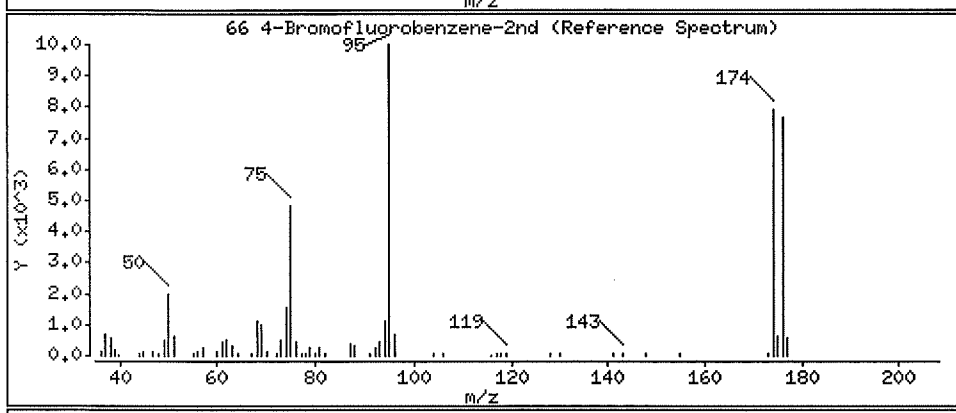
Column diameter: 0.53

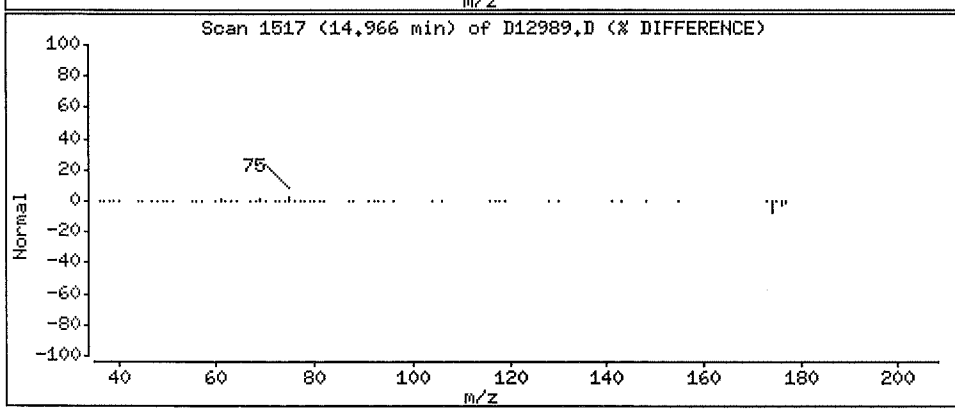
66 4-Bromofluorobenzene-2nd

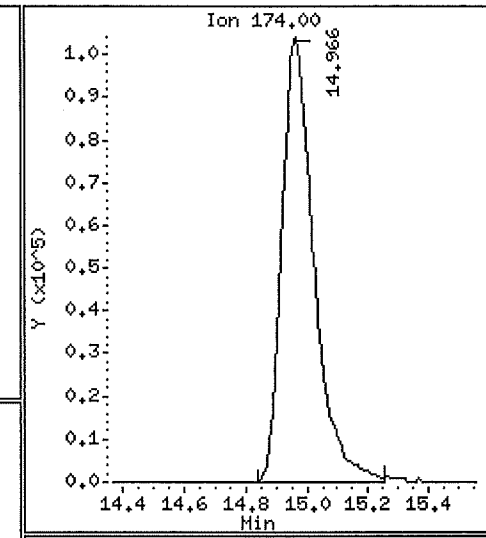
Concentration: 43.92 ug/Kg

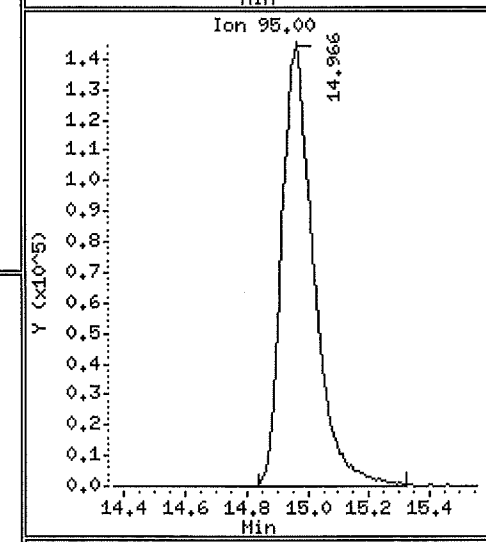


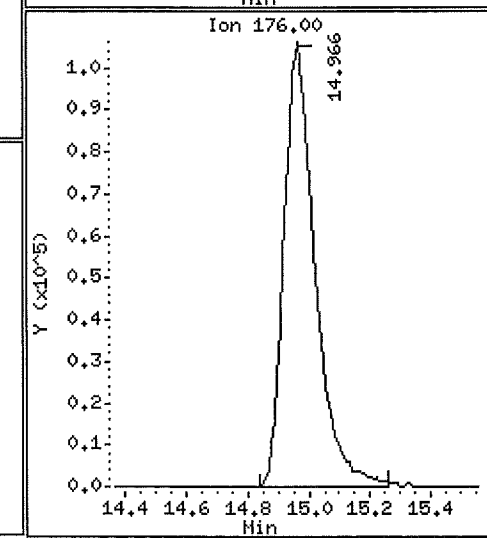












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12989.D

Date : 13-OCT-2000 18:28

Client ID: D12989

Instrument: md.i

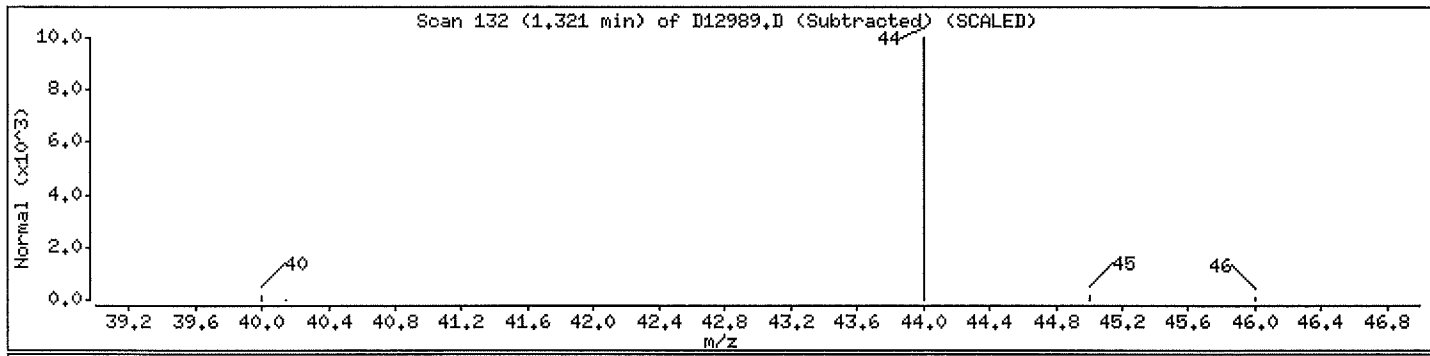
Sample Info: DLH3J101,,2,,0,1,0,8260BDA.M,D12989

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12990.D
Lab Smp Id: DLH3L101 Client Smp ID: D12990
Inj Date : 13-OCT-2000 19:00
Operator : GFB Inst ID: md.i
Smp Info : DLH3L101,,2,,0,1,0,8260BDA.M,D12990
Misc Info : 125-9,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
$ 29 Dibromofluoromethane	111	5.992	5.996	(0.843)	915246	45.0928	45.09	
$ 33 1,2-Dichloroethane-d4	65	6.524	6.528	(0.918)	694492	50.6925	50.69	
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.528	(0.918)	129994	47.0318	47.03	
* 38 Fluorobenzene	96	7.105	7.100	(1.000)	1426959	50.0000		
$ 47 Toluene-d8	98	9.923	9.927	(0.787)	1392967	45.0501	45.05	
* 56 Chlorobenzene-d5	117	12.612	12.617	(1.000)	1335671	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.957	14.962	(0.866)	849129	44.1377	44.14	
$ 67 4-Bromofluorobenzene	95	14.967	14.972	(0.867)	1176754	45.8294	45.83	
* 79 1,4-Dichlorobenzene-d4	152	17.273	17.277	(1.000)	966162	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12990.D
Lab Smp Id: DLH3L101 Client Smp ID: D12990
Inj Date : 13-OCT-2000 19:00
Operator : GFB Inst ID: md.i
Smp Info : DLH3L101,,2,,0,1,0,8260BDA.M,D12990
Misc Info : 125-9,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.105	3398915	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.322	594489	8.74526965	8.74	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH3L101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12990
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

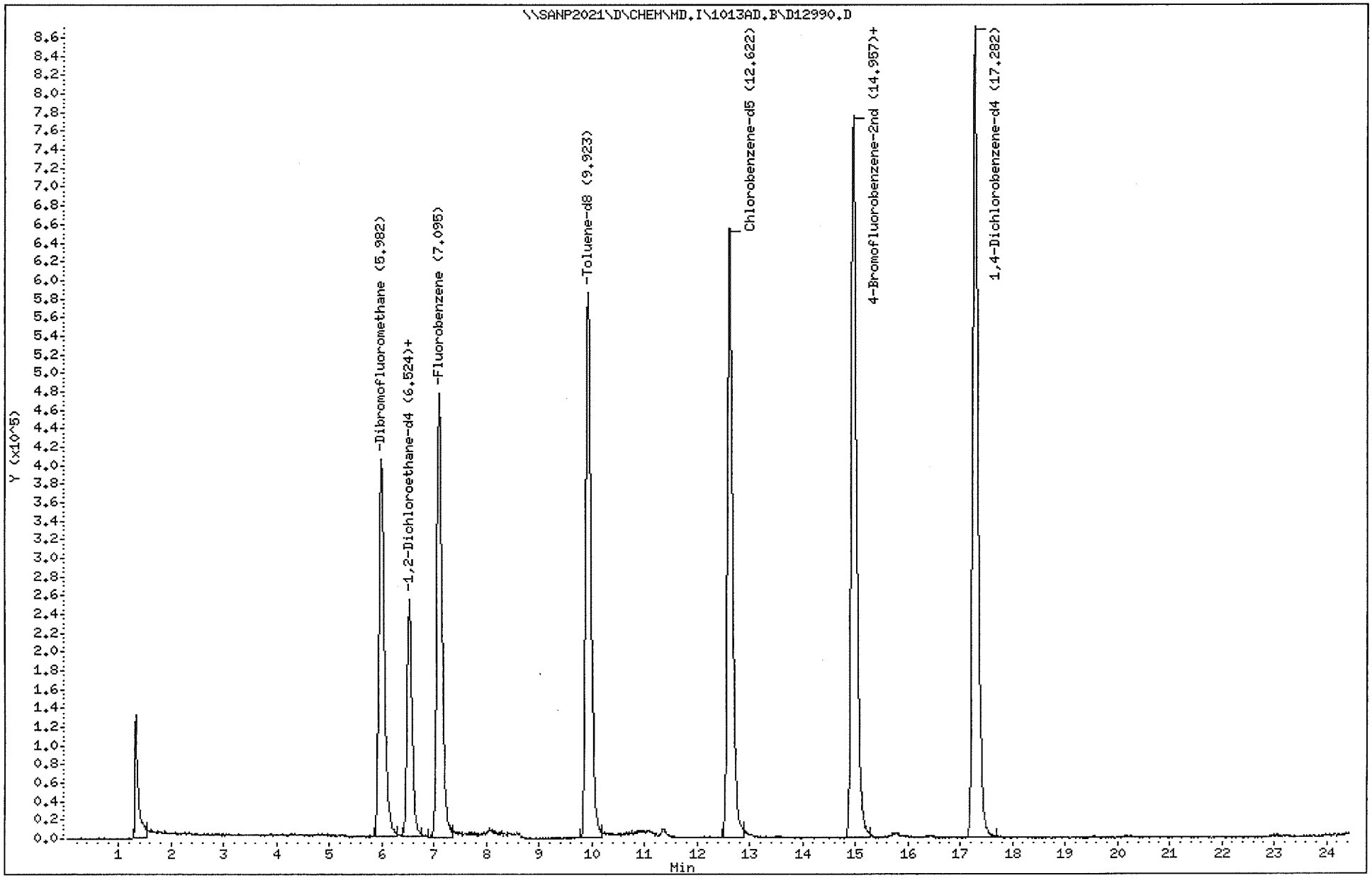
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown UV	1.322	8.74	J

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12990.D
Date : 13-OCT-2000 19:00
Client ID: D12990
Sample Info: DLH3L101,,2,,0,1,0,8260BDA.M,D12990

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



000424

BOE-C6-0155089

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12990.D

Date : 13-OCT-2000 19:00

Client ID: D12990

Instrument: md.i

Sample Info: DLH3L101,,2,,0,1,0,8260BDA,M,D12990

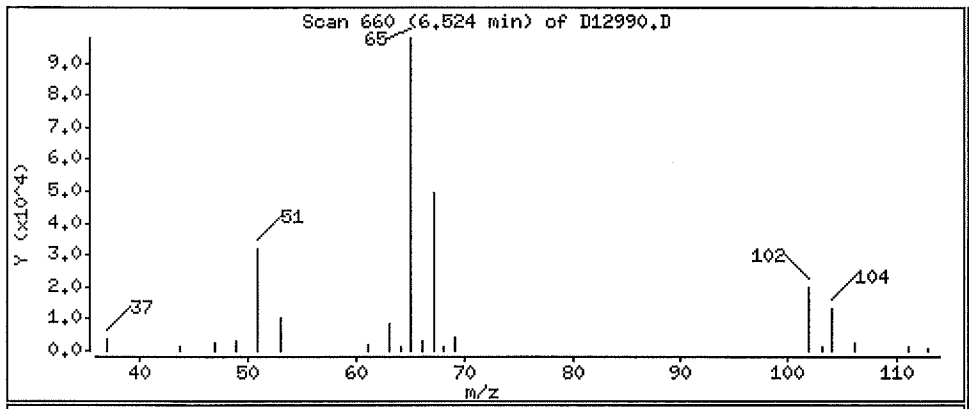
Operator: GFB

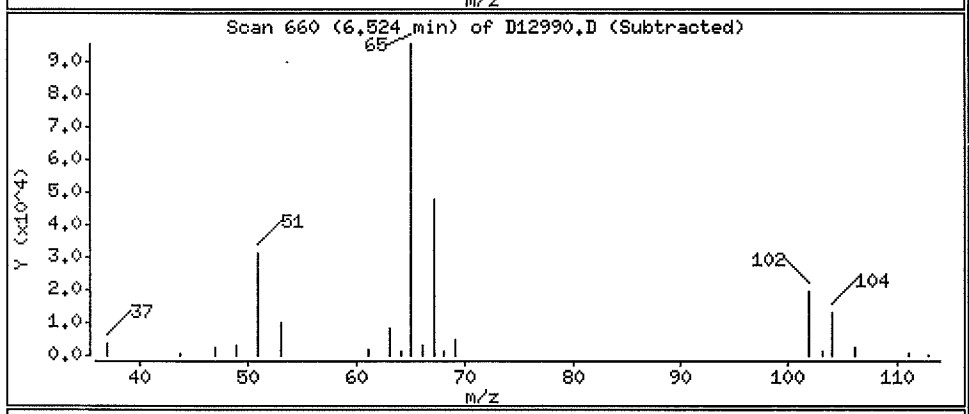
Column phase: J&W DB-624

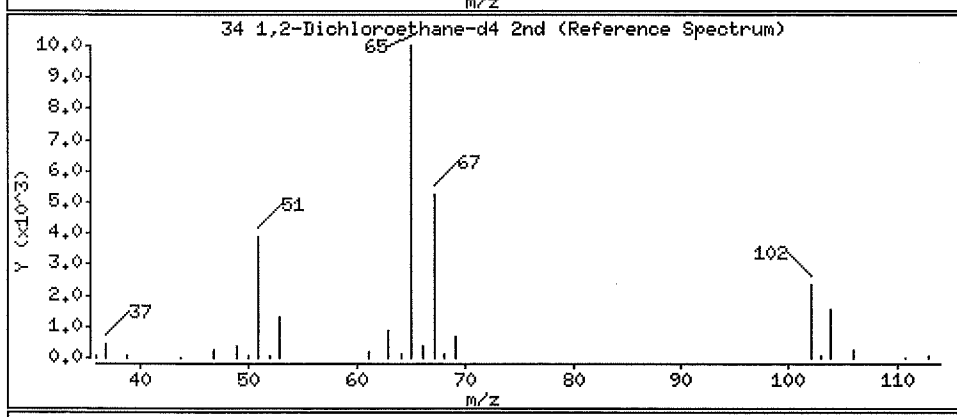
Column diameter: 0.53

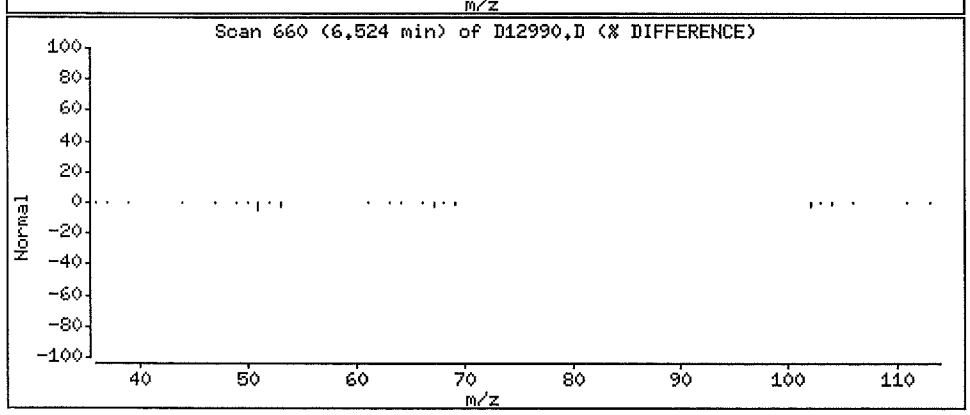
34 1,2-Dichloroethane-d4 2nd

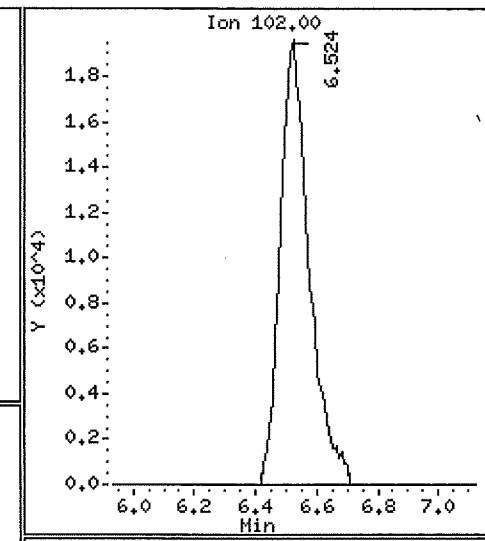
Concentration: 47.03 ug/Kg

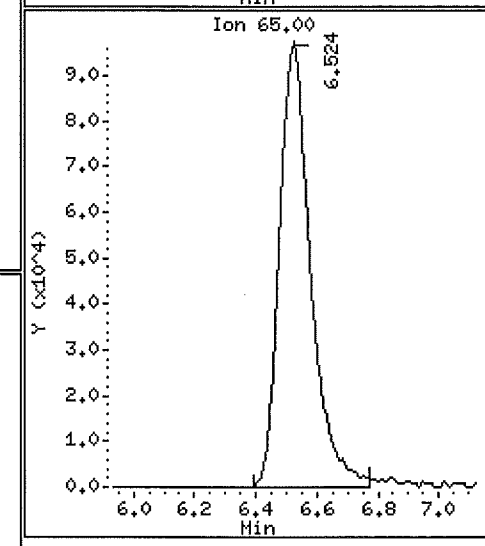












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12990.D

Date : 13-OCT-2000 19:00

Client ID: D12990

Instrument: md.i

Sample Info: DLH3L101,,2,,0,1,0,8260BDA,M,D12990

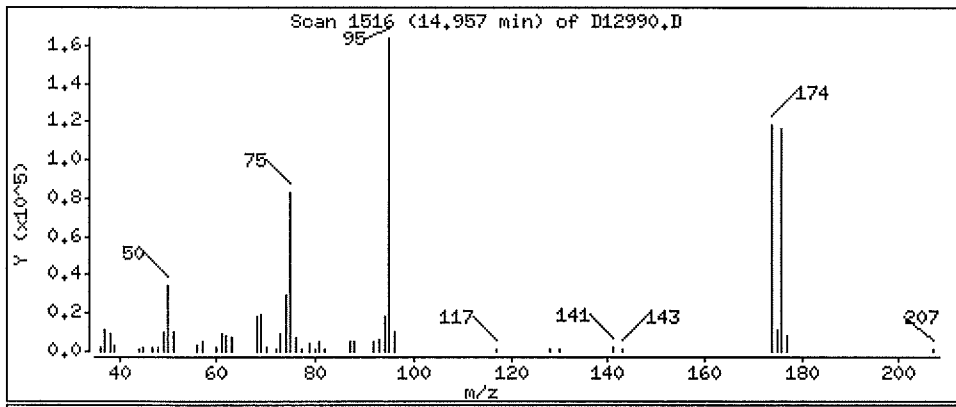
Operator: GFB

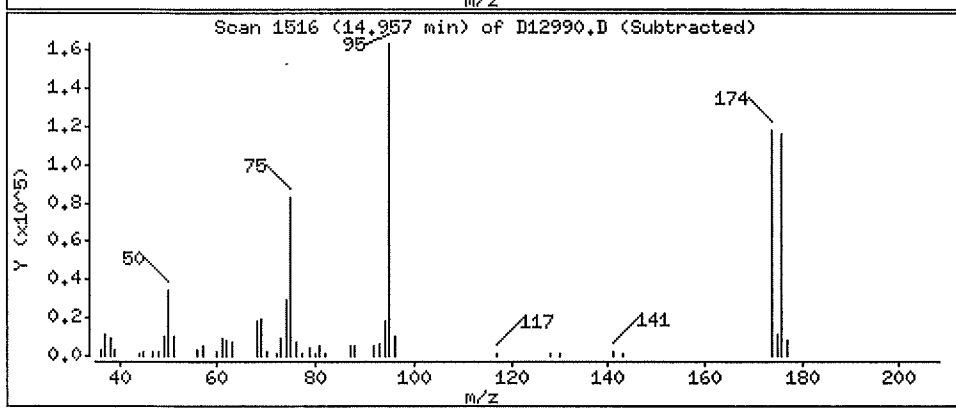
Column phase: J&W DB-624

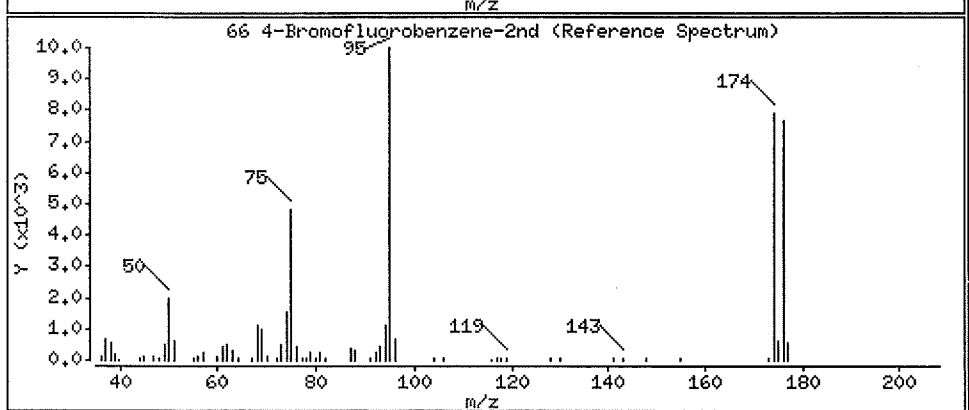
Column diameter: 0.53

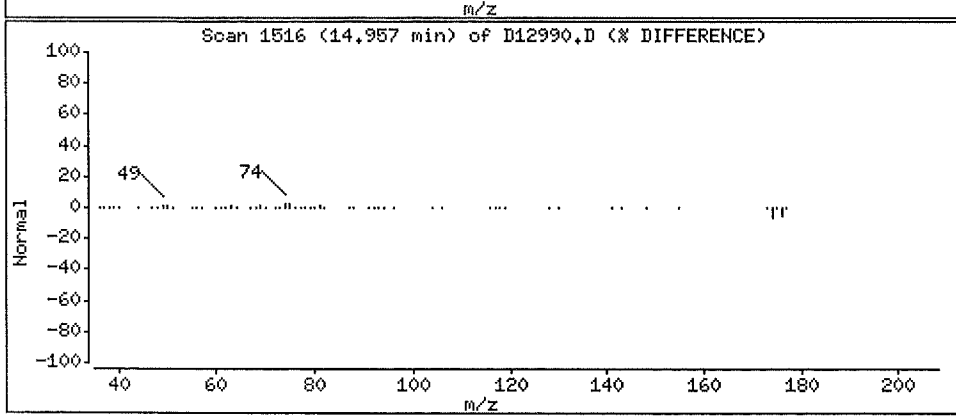
66 4-Bromofluorobenzene-2nd

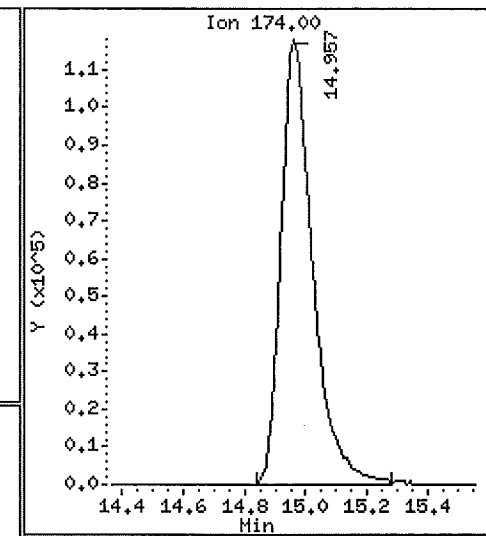
Concentration: 44.14 ug/Kg

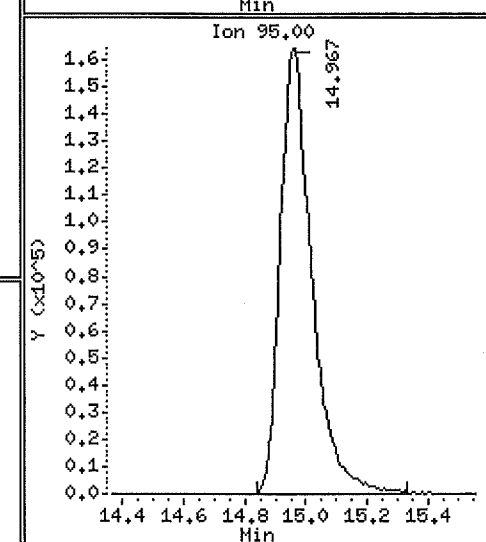


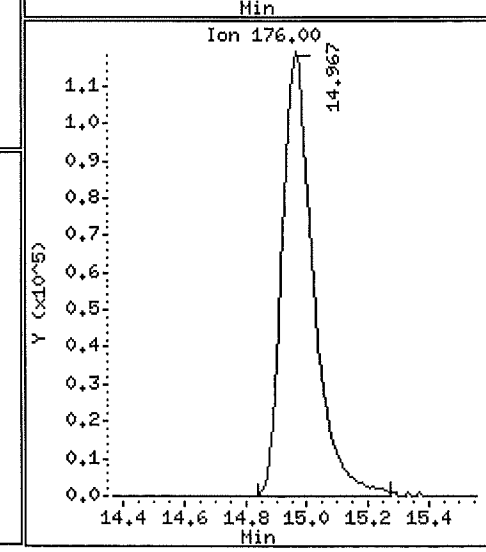












Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12990.D

Date : 13-OCT-2000 19:00

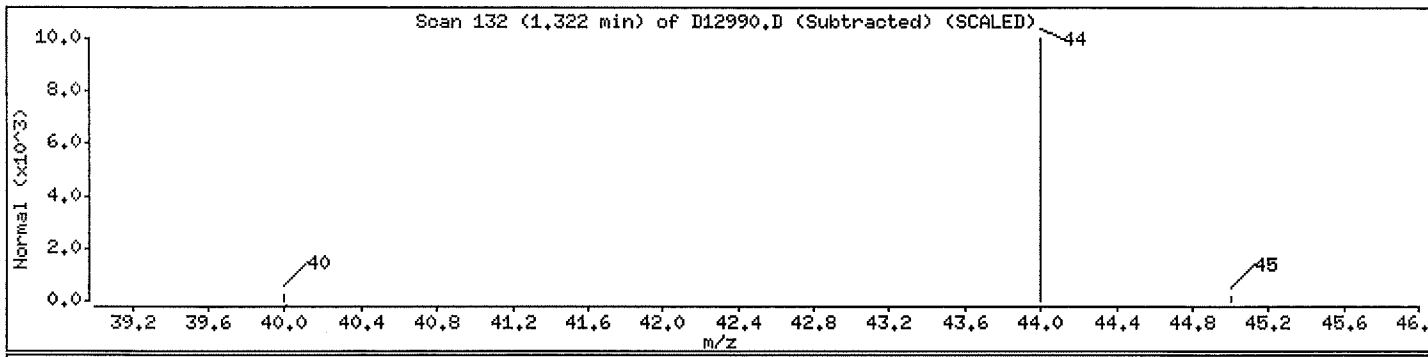
Client ID: D12990 Instrument: md.i

Sample Info: DLH3L101,,2,,0,1,0,8260BDA.M,D12990

Operator: GFB

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



COL

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12991.D
Lab Smp Id: DLH33102 Client Smp ID: D12991
Inj Date : 13-OCT-2000 19:32
Operator : GFB Inst ID: md.i
Smp Info : DLH33102,MS,2,,0,1,0,8260BDA.M,D12991
Misc Info : 125-1S,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 21 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.794	2.794	(0.393)	315516	45.3537	45.35
$ 29 Dibromofluoromethane	111	5.986	5.996	(0.842)	891701	50.7571	50.76
$ 33 1,2-Dichloroethane-d4	65	6.528	6.528	(0.918)	634961	53.5466	53.55
34 1,2-Dichloroethane-d4 2nd	102	6.538	6.528	(0.920)	122137	51.0533	51.05
35 Benzene	78	6.597	6.607	(0.928)	1036253	49.4390	49.44
* 38 Fluorobenzene	96	7.110	7.100	(1.000)	1235103	50.0000	
39 Trichloroethene	130	7.740	7.740	(1.089)	606857	52.5707	52.57
$ 47 Toluene-d8	98	9.937	9.927	(0.788)	1326411	50.3715	50.37
48 Toluene (*)	91	10.046	10.045	(0.796)	1310343	47.1285	47.13
* 56 Chlorobenzene-d5	117	12.617	12.617	(1.000)	1137491	50.0000	
57 Chlorobenzene (**)	112	12.676	12.676	(1.005)	1044713	46.7384	46.74
$ 67 4-Bromofluorobenzene	95	14.962	14.972	(0.866)	1087280	50.5207	50.52
66 4-Bromofluorobenzene-2nd	174	14.962	14.962	(0.866)	787207	48.8196	48.82
* 79 1,4-Dichlorobenzene-d4	152	17.277	17.277	(1.000)	809806	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12991.D

Date : 13-OCT-2000 19:32

Client ID: D12991

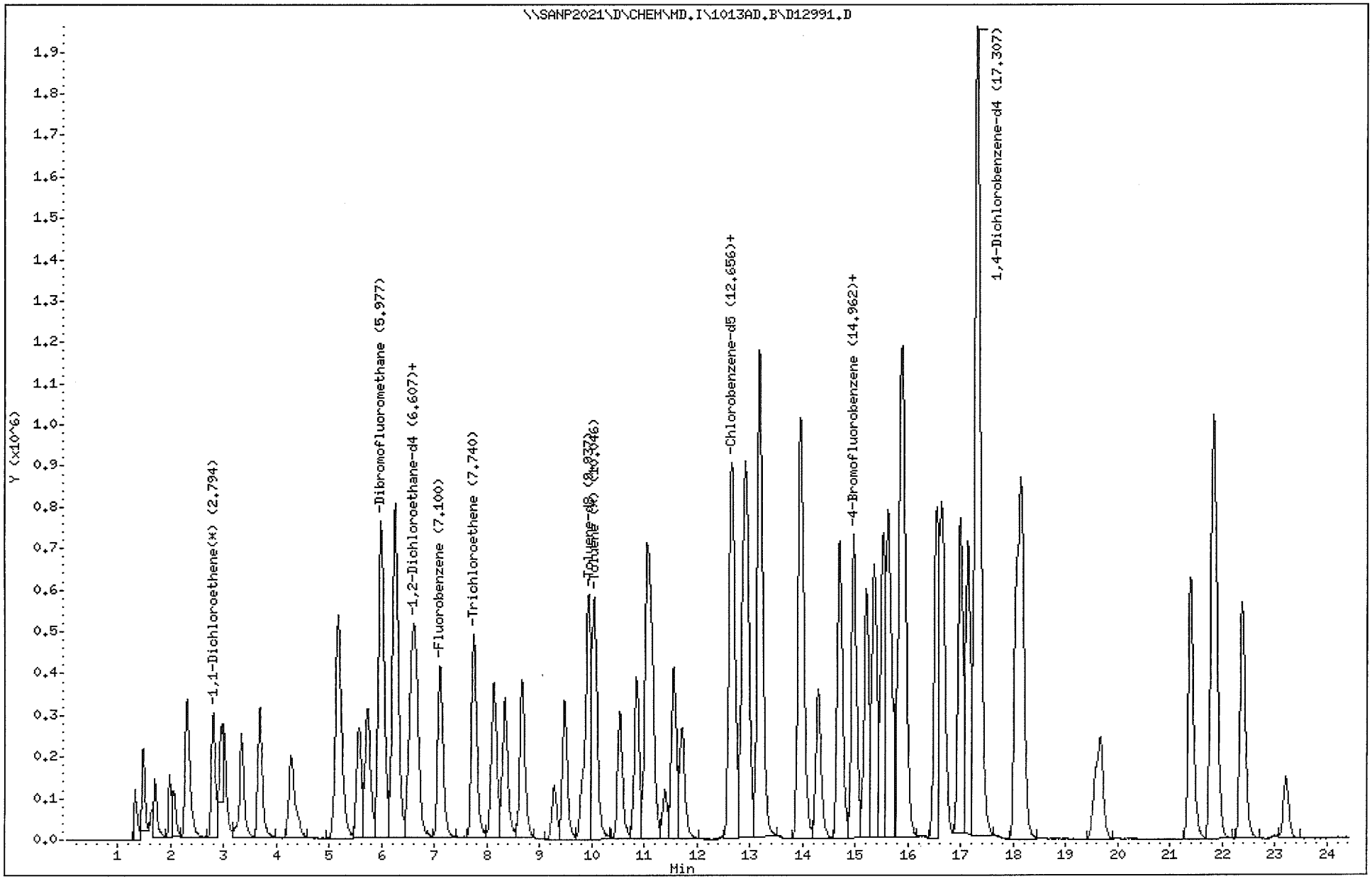
Sample Info: DLH33102,MS,2,,0,1,0,8260BDA.M,D12991

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000429

BOE-C6-0155094

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013AD.B\D12992.D
Lab Smp Id: DLH33103 Client Smp ID: D12992
Inj Date : 13-OCT-2000 20:04
Operator : GFB Inst ID: md.i
Smp Info : DLH33103,MSD,2,,0,1,0,8260BDA.M,D12992
Misc Info : 125-1D,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013AD.B\8260BDA.m
Meth Date : 13-Oct-2000 10:51 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 22 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.795	2.794	(0.394)	341216	42.7784	42.78
$ 29 Dibromofluoromethane	111	5.997	5.996	(0.845)	867991	43.0921	43.09
$ 33 1,2-Dichloroethane-d4	65	6.529	6.528	(0.920)	696391	51.2204	51.22
34 1,2-Dichloroethane-d4 2nd	102	6.529	6.528	(0.920)	129764	47.3078	47.31
35 Benzene	78	6.588	6.607	(0.928)	1128119	46.9422	46.94
* 38 Fluorobenzene	96	7.100	7.100	(1.000)	1416115	50.0000	
39 Trichloroethene	130	7.740	7.740	(1.090)	655526	49.5282	49.53
$ 47 Toluene-d8	98	9.928	9.927	(0.787)	1365571	45.2085	45.21
48 Toluene (*)	91	10.046	10.045	(0.796)	1431897	44.8963	44.90
* 56 Chlorobenzene-d5	117	12.617	12.617	(1.000)	1304814	50.0000	
57 Chlorobenzene (**)	112	12.676	12.676	(1.005)	1118067	43.6058	43.60
$ 67 4-Bromofluorobenzene	95	14.972	14.972	(0.867)	1161768	45.9454	45.94
66 4-Bromofluorobenzene-2nd	174	14.962	14.962	(0.866)	838939	44.2823	44.28
* 79 1,4-Dichlorobenzene-d4	152	17.277	17.277	(1.000)	951451	50.0000	(Q)

QC Flag Legend

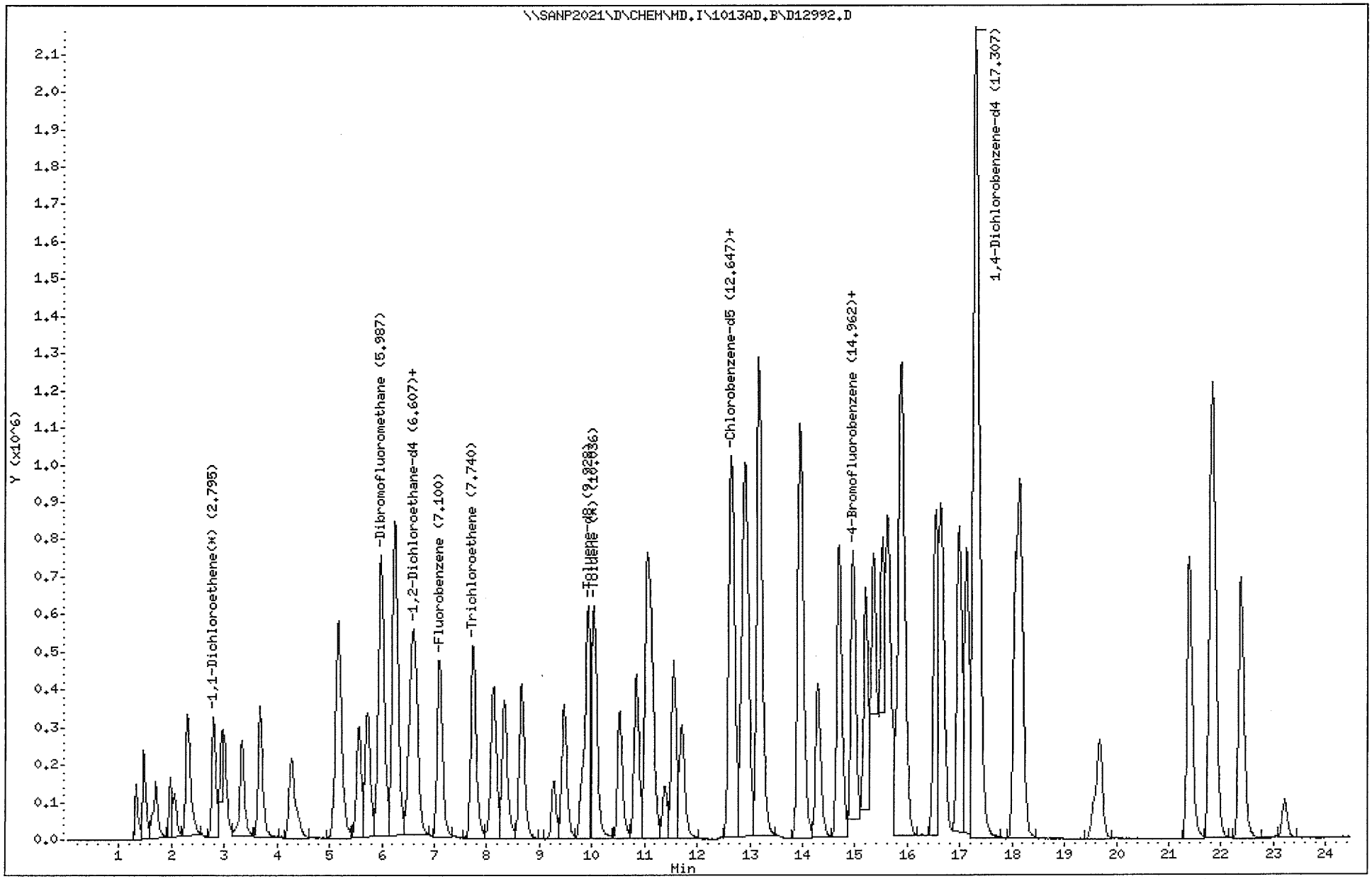
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\1013AD.B\D12992.D
Date : 13-OCT-2000 20:04
Client ID: D12992
Sample Info: DLH33103,MSD,2,,0,1,0,8260BDA.M,D12992

Instrument: md.i

Operator: GFB
Column diameter: 0.53

Column phase: J&W DB-624



BOE-C6-0155097

8260B SAMPLE / QC DATA

DATE ANALYZED: 101300

INSTRUMENT ID: MSD

SAMPLES: 003040125-10 → 25

STL Los Angeles

FJK 10/18/00

GC/MS VOA Run Log

Batch ID: 0289117

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☐ 5030B ☐ 5035

Inst ID: MSD | EM Set: 1706 | Tune File: BFB.U | Seq File: 10113/BD

Init. Cal ID: 8260BDA 10-4-2000 | Date: 10/13/2000 PM

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
21:17	AD	DT1577	50ng BFB			1µm			✓			MSV2000 1198-1
21:32		DS2537	50ppb 8260B	1	S	5g	1.0	147	✓			T1251-2, S44-2, S5-1
22:14		D12993	LCS 1013BD	2				145	✓			QC1253-1
22:46		94	MB-1013BD	3				143	✓			
23:27		95	DLH3M101	4				139	✓			EO J040125-10
23:59		MB1013BD 96	~~DLH3N101~~	5				139	✓			MB1013BD-11
0:31		97	DLH3N101	6				136	✓			-11
1:07		98	DLH3T101	7				133	✓			-12
1:35		99	DLH3N102S	8				84	✓			11MS
2:07		D13000	DLH3N103D	9				90	N			Low Rec 11MD
2:39		01	DLH3W101	10				133	✓			-13
3:11		02	DLH4310'	11				133	✓			-15
3:43		03	DLH4J10'	12				129	✓			-16
4:15		04	DLH4610'	13				122	✓			-17
4:47		05	DLH4710'	14				129	✓			-18
5:19		06	DLH4810'	15				84	✓			-19
5:51		07	DLH4A10'	16				126	✓			-20
6:23		08	DLH4D10'	17				128	✓			-21
6:55		09	DLH4E10'	18				175	✓			-22
7:27		10	DLH4F10'	19				127	✓			-23
7:59		11	DLH4J101	20				46	N			Low purge -24
8:31		12	DLH5H101	21				69	N			" -25
9:03		D13013	~~DLH5K101~~ DLH3N103D	22				127	✓			11MP ~~-26~~

000434

00010

Version 01/04/99

G:\FORMS\Run Log\MSV Runlog.DOC

BOE-C6-0155099

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA54651

Lab File ID (Standard): DS2537 Date Analyzed: 10/13/00

Instrument ID: MD Time Analyzed: 2132

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

		IS1 AREA #	RT	IS2(CBZ) AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	1475273	7.10	1360031	12.62	986756	17.28
	UPPER LIMIT	2950546	7.60	2720062	13.12	1973512	17.78
	LOWER LIMIT	737637	6.60	680016	12.12	493378	16.78
	EPA SAMPLE NO.						
01	D12993	1458667	7.10	1313486	12.63	950056	17.28
02	D12994	1430866	7.11	1350533	12.63	962188	17.29
03	D12995	1398151	7.10	1251769	12.62	839314	17.28
04	D12996	1398591	7.10	1287964	12.63	954784	17.29
05	D12997	1366783	7.10	1293303	12.62	928013	17.28
06	D12998	1335653	7.10	1232072	12.63	895290	17.28
07	D12999	898968	7.10	832061	12.62	618748	17.28
08	D13000	907921	7.11	834053	12.63	627390	17.28
09	D13001	1330950	7.11	1238519	12.61	857558	17.28
10	D13002	1338404	7.10	1222513	12.63	841060	17.28
11	D13003	1295974	7.11	1213100	12.63	861728	17.28
12	D13004	1221710	7.10	1120978	12.63	779110	17.28
13	D13005	1293819	7.09	1195637	12.63	851899	17.28
14	D13006	846220	7.11	798340	12.62	577976	17.28
15	D13007	1267142	7.11	1177411	12.63	816140	17.27
16	D13008	1280235	7.11	1198646	12.62	867941	17.28
17	D13009	1252896	7.11	1171181	12.61	835351	17.28
18	D13010	1271982	7.10	1230418	12.63	889051	17.28
19	D13011	462590*	7.11	436300*	12.62	321330*	17.27
20	D13012	698785*	7.11	639245*	12.63	434621*	17.27
21	D13013	1272521	7.10	1183698	12.62	850761	17.27
22							

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

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

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

FORM VIII VOA 1/87 Rev.

STL Los Angeles

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\DT1577.D
Lab Smp Id:
Inj Date : 13-OCT-2000 21:17
Operator : AD Inst ID: md.i
Smp Info : 50 ng BFB,bfb,,,,,,bfb.m
Misc Info : 1uL;1198-1,,,,3,all.sub
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\BFB.M
Meth Date : 11-Jul-2000 09:15 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: 4.00 Sample Matrix: WATER
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * Vf * VI

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

MM 10/13/2000

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
1.8121	1.8000	(0.000)	95	76304			0.00- 100.00	100.00
1.8121	1.8000	(0.000)	50	14808			15.00- 40.00	19.41
1.8121	1.8000	(0.000)	75	38584			30.00- 60.00	50.57
1.8121	1.8000	(0.000)	96	5922			5.00- 9.00	7.76
1.8121	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.8121	1.8000	(0.000)	174	57890			50.00- 0.00	75.87
1.8121	1.8000	(0.000)	175	4835			5.00- 9.00	8.35
1.8121	1.8000	(0.000)	176	55394			95.00- 101.00	95.69
1.8121	1.8000	(0.000)	177	4347			5.00- 9.00	7.85

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\DT1577.D

Date : 13-OCT-2000 21:17

Client ID:

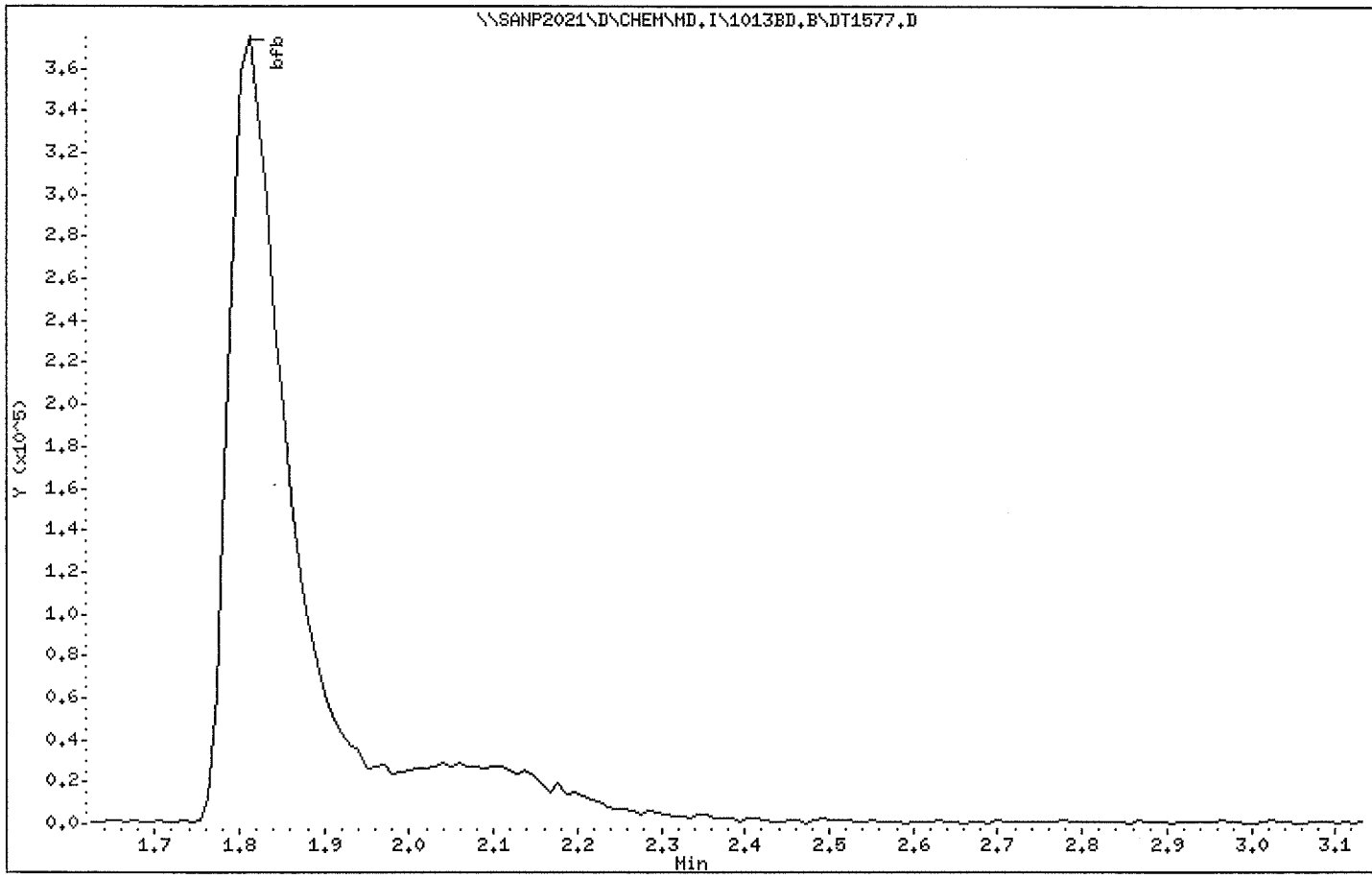
Instrument: md.i

Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\DT1577.D

Date : 13-OCT-2000 21:17

Client ID:

Instrument: md.i

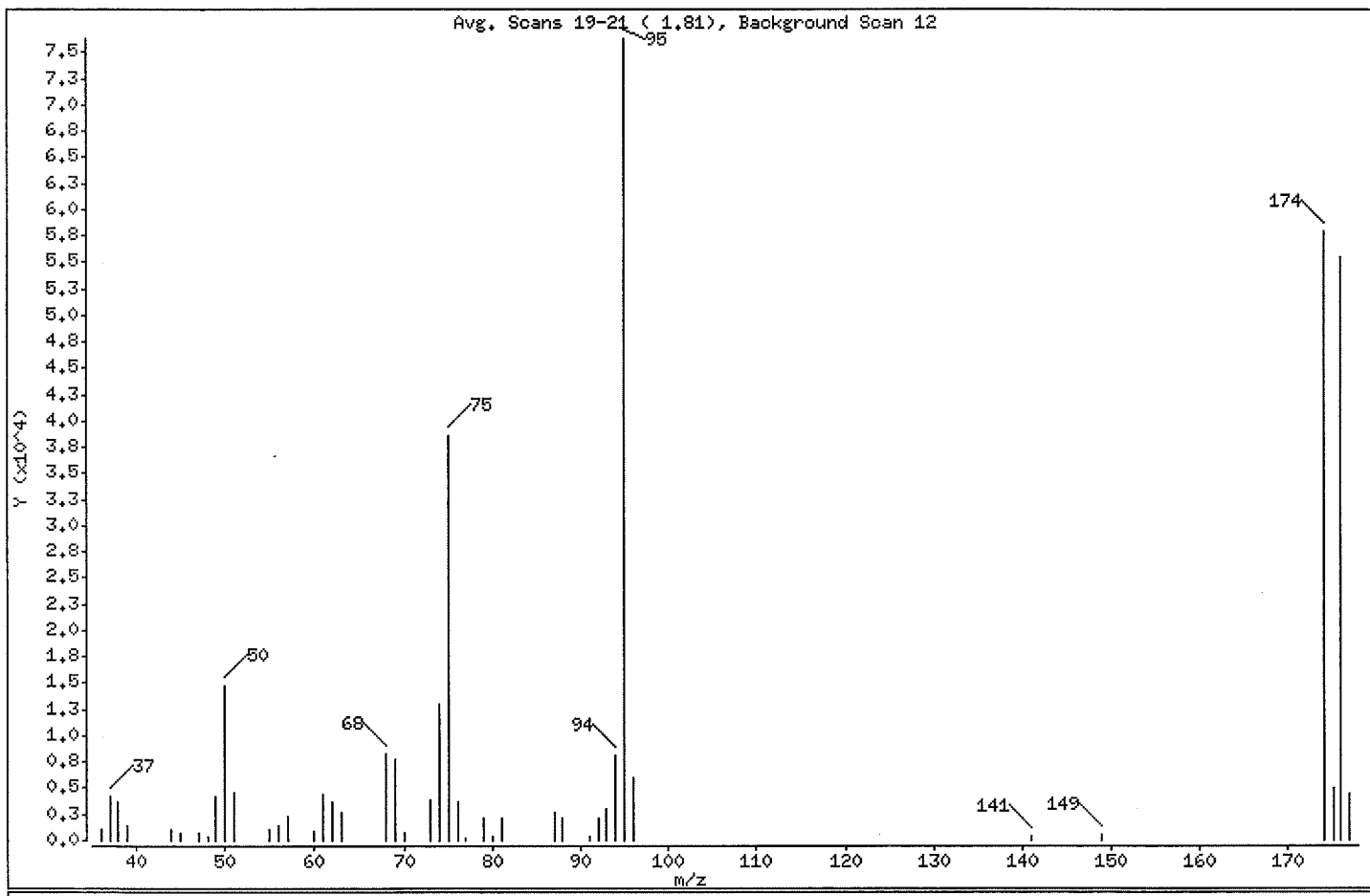
Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.41
75	30.00 - 60.00% of mass 95	50.57
96	5.00 - 9.00% of mass 95	7.76
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	75.87
175	5.00 - 9.00% of mass 174	6.34 (8.35)
176	95.00 - 101.00% of mass 174	72.60 (95.69)
177	5.00 - 9.00% of mass 176	5.70 (7.85)

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\DT1577.D

Date : 13-OCT-2000 21:17

Client ID:

Instrument: md.i

Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Data File: DT1577.D
Spectrum: Avg. Scans 19-21 (1.81), Background Scan 12
Location of Maximum: 95.00
Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1128	55.00	1082	74.00	12945	93.00	3034
37.00	4216	56.00	1440	75.00	38584	94.00	8003
38.00	3651	57.00	2208	76.00	3723	95.00	76304
39.00	1481	60.00	874	77.00	250	96.00	5922
44.00	1021	61.00	4446	79.00	2141	141.00	302
45.00	636	62.00	3660	80.00	265	149.00	534
47.00	640	63.00	2563	81.00	2085	174.00	57888
48.00	275	68.00	8191	87.00	2626	175.00	4835
49.00	4162	69.00	7654	88.00	2121	176.00	55392
50.00	14808	70.00	643	91.00	280	177.00	4347
51.00	4630	73.00	3839	92.00	2189		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i Injection Date: 13-OCT-2000 21:32
Lab File ID: DS2537.D Init. Cal. Date(s): 04-OCT-2000 04-OCT-2000
Analysis Type: SOIL Init. Cal. Times: 11:03 14:02
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Dichlorodifluoromethane	0.44644	0.44794	0.010	0.3	50.0
	2 Vinyl chloride (*)	0.21607	0.21028	0.010	-2.7	20.0
	3 Chloromethane (**)	0.19012	0.18746	0.100	-1.4	50.0
	4 Bromomethane	0.21985	0.20900	0.010	-4.9	50.0
	5 Chloroethane	0.13964	0.14526	0.010	4.0	50.0
	6 Trichlorofluoromethane	0.71629	0.76408	0.010	6.7	50.0
	7 Acrolein	0.01339	0.00849	0.001	-36.6	50.0
	8 1,1-Dichloroethene(*)	0.28163	0.26236	0.010	-6.8	20.0
	9 1,1,2-Trichlorotrifluoroeth	0.46984	0.44041	0.010	-6.3	50.0
	10 Acetone	0.05535	0.06026	0.010	8.9	50.0
	11 Iodomethane	0.54249	0.55801	0.001	2.9	50.0
	12 Carbon disulfide	0.63173	0.56959	0.010	-9.8	50.0
	13 Methylene chloride	0.28611	0.28283	0.010	-1.1	50.0
	14 t-Butanol	0.00532	0.00591	0.001	11.1	20.0
	15 trans-1,2-Dichloroethene	0.32668	0.32240	0.010	-1.3	50.0
	16 Acrylonitrile	0.04256	0.04473	0.001	5.1	20.0
	17 Methyl-tert-butyl ether[MTB	0.75221	0.77499	0.010	3.0	50.0
	18 1,1-Dichloroethane (**)	0.56293	0.57789	0.100	2.7	50.0
	19 Vinyl acetate	0.72587	0.69542	0.010	-4.2	50.0
	20 Isopropyl ether	0.97354	1.01171	0.010	3.9	20.0
	21 2,2-Dichloropropane	0.61103	0.63421	0.010	3.8	50.0
	22 Tert-butyl ethyl ether	0.93101	1.01114	0.010	8.6	20.0
	23 cis-1,2-Dichloroethene	0.33158	0.35143	0.010	6.0	50.0
	24 2-Butanone	0.09614	0.09836	0.010	2.3	50.0
	25 Bromochloromethane	0.21883	0.23072	0.010	5.4	50.0
	26 Chloroform (*)	0.73233	0.73903	0.010	0.9	20.0
	27 Tetrahydrofuran	0.05809	0.06671	0.010	14.8	50.0
M	28 1,2-Dichloroethene (total)	0.32913	0.33692	0.010	2.4	50.0
$	29 Dibromofluoromethane	0.71120	0.61093	0.010	-14.1	50.0
	30 1,1,1-Trichloroethane	0.76256	0.77723	0.010	1.9	50.0
	31 Carbon Tetrachloride	0.72937	0.77909	0.010	6.8	50.0
	32 1,1-Dichloropropene	0.54325	0.58992	0.010	8.6	50.0
$	33 1,2-Dichloroethane-d4	0.48005	0.48450	0.010	0.9	50.0
	34 1,2-Dichloroethane-d4 2nd	0.09685	0.09336	0.010	-3.6	50.0
	35 Benzene	0.84852	0.91426	0.010	7.7	50.0

IM 10/13/2000

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2537.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD
Method: \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m

Injection Date: 13-OCT-2000 21:32
Init. Cal. Date(s): 04-OCT-2000 04-OCT-2000
Init. Cal. Times: 11:03 14:02
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	36 1,2-Dichloroethane	0.53432	0.60904	0.010	14.0	50.0	
	37 Tert-amyl methyl ether	0.88326	0.98860	0.010	11.9	20.0	
	39 Trichloroethene	0.46731	0.52831	0.010	13.1	50.0	
	40 1,2-Dichloropropane(*)	0.34594	0.38207	0.010	10.4	20.0	
	41 Dibromomethane	0.32224	0.36969	0.010	14.7	50.0	
	42 Bromodichloromethane	0.71616	0.80646	0.010	12.6	50.0	
	43 1-Bromo-2-chloroethane	0.78851	0.57164	0.010	-27.5	50.0	
	44 2-Chloroethylvinyl ether	0.04393	0.06235	0.010	42.0	20.0	<-
	45 cis-1,3-Dichloropropene	0.54033	0.62024	0.010	14.8	50.0	
	46 4-Methyl-2-pentanone	0.26017	0.30097	0.010	15.7	50.0	
$	47 Toluene-d8	1.15749	1.05217	0.010	-9.1	50.0	
	48 Toluene (*)	1.22215	1.27532	0.010	4.4	20.0	
	49 trans-1,3-Dichloropropene	0.55799	0.61261	0.010	9.8	50.0	
	50 1,1,2-Trichloroethane	0.40315	0.42938	0.010	6.5	50.0	
	51 Tetrachloroethene	0.55481	0.57871	0.010	4.3	50.0	
	52 1,3-Dichloropropane	0.63464	0.67747	0.010	6.7	50.0	
	53 2-Hexanone	0.22062	0.23642	0.010	7.2	50.0	
	54 Dibromochloromethane	0.73783	0.78817	0.010	6.8	50.0	
	55 1,2-Dibromoethane	0.61043	0.65227	0.010	6.9	50.0	
	57 Chlorobenzene (**)	0.98253	1.01613	0.300	3.4	50.0	
	58 1,1,1,2-Tetrachloroethane	0.59402	0.63042	0.010	6.1	50.0	
	59 Ethylbenzene (*)	0.45846	0.48659	0.010	6.1	20.0	
	60 m,p-Xylenes	0.57596	0.62337	0.010	8.2	50.0	
	61 o-Xylene	0.55644	0.60056	0.010	7.9	50.0	
	62 Styrene	0.92422	1.00333	0.010	8.6	50.0	
M	63 Xylenes (total)	0.56945	0.61577	0.010	8.1	50.0	
	64 Bromoform (**)	0.59517	0.64976	0.100	9.2	50.0	
	65 Isopropylbenzene	1.75437	1.93694	0.010	10.4	50.0	
	66 4-Bromofluorobenzene-2nd	0.99560	0.86922	0.010	-12.7	50.0	
$	67 4-Bromofluorobenzene	1.32880	1.20924	0.010	-9.0	50.0	
	68 Bromobenzene	0.83061	0.86928	0.010	4.7	50.0	
	69 1,1,2,2-Tetrachloroethane(*	0.85523	0.88354	0.300	3.3	50.0	
	70 1,2,3-Trichloropropane	0.28010	0.31655	0.010	13.0	50.0	
	71 n-Propylbenzene	2.58803	2.72221	0.010	5.2	50.0	
	72 2-Chlorotoluene	0.62571	0.64523	0.010	3.1	50.0	
	73 4-Chlorotoluene	0.65344	0.67074	0.010	2.6	50.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i Injection Date: 13-OCT-2000 21:32
Lab File ID: DS2537.D Init. Cal. Date(s): 04-OCT-2000 04-OCT-2000
Analysis Type: SOIL Init. Cal. Times: 11:03 14:02
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.08187	2.21793	0.010	6.5	50.0
75 tert-Butylbenzene	2.15036	2.30363	0.010	7.1	50.0
76 1,2,4-Trimethylbenzene	2.11961	2.25153	0.010	6.2	50.0
77 sec-Butylbenzene	2.82015	3.08181	0.010	9.3	50.0
78 1,3-Dichlorobenzene	1.39311	1.43316	0.010	2.9	50.0
80 1,4-Dichlorobenzene	1.51990	1.57338	0.010	3.5	50.0
81 p-Isopropyltoluene	2.32696	2.50237	0.010	7.5	50.0
82 1,2-Dichlorobenzene	1.33233	1.38491	0.010	3.9	50.0
83 n-Butylbenzene	2.22197	2.45202	0.010	10.4	50.0
84 1,2-Dibromo-3-chloropropane	0.28987	0.31256	0.010	7.8	50.0
85 1,2,4-Trichlorobenzene	1.23050	1.29232	0.010	5.0	50.0
86 Hexachlorobutadiene	0.92928	1.11675	0.010	20.2	50.0
87 Napthalene	1.86163	1.87282	0.010	0.6	50.0
88 1,2,3-Trichlorobenzene	1.14824	1.20074	0.010	4.6	50.0

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2021\D\CHEM\MD.I\1013BD.B/DS2537.D
Inj. Date : 13-OCT-2000 21:32

ICAL Mid Point : //SANP2021/D/chem/md.i/1004AD.B/DS2515.D
Inj. Date : 04-OCT-2000 11:03

IS NAME	ICAL RT	CCV RT	DIFF.	ICAL AREA	CCV AREA	%DIFF.
Fluorobenzene	7.10	7.10	0.00	1480718	1475273	99.6%
Chlorobenzene-d5	12.63	12.62	0.01	1259551	1360031	108.0%
1,4-Dichlorobenzene-d4	17.27	17.28	-0.01	906122	986756	108.9%

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2537.D
Lab Smp Id: 50 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Misc Info: 1251-2;49-2;55-1,,5,,2,all.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 20:51

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1418807	709404	2837614	1475273	3.98
56 Chlorobenzene-d5	1305116	652558	2610232	1360031	4.21
79 1,4-Dichlorobenze	916924	458462	1833848	986756	7.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.10	-0.00
56 Chlorobenzene-d5	12.63	12.13	13.13	12.62	-0.08
79 1,4-Dichlorobenze	17.28	16.78	17.78	17.28	-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 Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\DS2537.D
Lab Smp Id: 50 PPB 8260B STD
Inj Date : 13-OCT-2000 21:32
Operator : AD Inst ID: md.i
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1251-2;49-2;55-1,,5,,2,all.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 21:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.464	1.464	(0.206)	660839	50.0000	50.17
2 Vinyl chloride (*)	62	1.701	1.701	(0.240)	310217	50.0000	48.66
3 Chloromethane (**)	50	1.642	1.642	(0.231)	276547	50.0000	49.30
4 Bromomethane	94	1.977	1.977	(0.278)	308328	50.0000	47.53
5 Chloroethane	64	2.065	2.065	(0.291)	214292	50.0000	52.01
6 Trichlorofluoromethane	101	2.292	2.292	(0.323)	1127221	50.0000	53.34
7 Acrolein	56	2.706	2.706	(0.381)	125213	500.000	317.0(AQ)
8 1,1-Dichloroethene(*)	96	2.785	2.785	(0.392)	387055	50.0000	46.58
9 1,1,2-Trichlorotrifluoroethan	151	2.795	2.795	(0.394)	649731	50.0000	46.87
10 Acetone	43	2.883	2.883	(0.406)	444482	250.000	272.1(Q)
11 Iodomethane	142	2.942	2.942	(0.414)	1646440	100.000	102.9(A)
12 Carbon disulfide	76	3.011	3.011	(0.424)	840306	50.0000	45.08
13 Methylene chloride	84	3.326	3.326	(0.469)	417249	50.0000	49.43
14 t-Butanol	59	3.592	3.592	(0.506)	217794	1250.00	1388

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	15 trans-1,2-Dichloroethene	96	3.671	3.671	(0.517)	475628	50.0000	49.34
	16 Acrylonitrile	53	3.662	3.662	(0.516)	659916	500.000	525.5(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.711	3.711	(0.523)	1143326	50.0000	51.51
	18 1,1-Dichloroethane (**)	63	4.272	4.272	(0.602)	852539	50.0000	51.33
	19 Vinyl acetate	43	4.400	4.400	(0.620)	2051883	100.000	95.81
	20 Isopropyl ether	45	4.440	4.440	(0.625)	1492548	50.0000	51.96
	21 2,2-Dichloropropane	77	5.149	5.149	(0.725)	935635	50.0000	51.90
	22 Tert-butyl ethyl ether	59	5.011	5.011	(0.706)	1491700	50.0000	54.30
	23 cis-1,2-Dichloroethene	96	5.179	5.179	(0.729)	518460	50.0000	52.99
	24 2-Butanone	43	5.277	5.277	(0.743)	725549	250.000	255.8
	25 Bromochloromethane	128	5.563	5.563	(0.784)	340370	50.0000	52.72
	26 Chloroform (*)	83	5.730	5.730	(0.807)	1090266	50.0000	50.46
	27 Tetrahydrofuran	42	5.691	5.691	(0.802)	98414	50.0000	57.42
M	28 1,2-Dichloroethene (total)	100				994089	100.000	102.3
$	29 Dibromofluoromethane	111	6.006	6.006	(0.846)	901289	50.0000	42.95
	30 1,1,1-Trichloroethane	97	5.977	5.977	(0.842)	1146623	50.0000	50.96
	31 Carbon Tetrachloride	117	6.243	6.243	(0.879)	1149376	50.0000	53.41
	32 1,1-Dichloropropene	75	6.253	6.253	(0.881)	870294	50.0000	54.30
$	33 1,2-Dichloroethane-d4	65	6.529	6.529	(0.920)	714763	50.0000	50.46
	34 1,2-Dichloroethane-d4 2nd	102	6.529	6.529	(0.920)	137724	50.0000	48.20
	35 Benzene	78	6.597	6.597	(0.929)	1348779	50.0000	53.87
	36 1,2-Dichloroethane	62	6.657	6.657	(0.938)	898497	50.0000	56.99
	37 Tert-amyl methyl ether	73	6.893	6.893	(0.971)	1458458	50.0000	55.96
*	38 Fluorobenzene	96	7.100	7.100	(1.000)	1475273	50.0000	
	39 Trichloroethene	130	7.740	7.740	(1.090)	779397	50.0000	56.52
	40 1,2-Dichloropropane(*)	63	8.134	8.134	(1.146)	563652	50.0000	55.22
	41 Dibromomethane	93	8.341	8.341	(1.175)	545397	50.0000	57.36
	42 Bromodichloromethane	83	8.657	8.657	(1.219)	1189741	50.0000	56.30
	43 1-Bromo-2-chloroethane	63	9.169	9.169	(1.291)	843320	50.0000	36.25(Q)
	44 2-Chloroethylvinyl ether	106	9.287	9.287	(1.308)	183977	100.000	142.0(A)
	45 cis-1,3-Dichloropropene	75	9.484	9.484	(1.336)	915020	50.0000	57.39
	46 4-Methyl-2-pentanone	43	9.829	9.829	(1.384)	2220032	250.000	289.2
$	47 Toluene-d8	98	9.928	9.928	(0.787)	1430985	50.0000	45.45
	48 Toluene (*)	91	10.046	10.046	(0.796)	1734472	50.0000	52.18
	49 trans-1,3-Dichloropropene	75	10.538	10.538	(0.835)	833162	50.0000	54.89
	50 1,1,2-Trichloroethane	97	10.844	10.844	(0.859)	583967	50.0000	53.25
	51 Tetrachloroethene	164	11.061	11.061	(0.877)	787069	50.0000	52.15
	52 1,3-Dichloropropane	76	11.139	11.139	(0.883)	921384	50.0000	53.37
	53 2-Hexanone	43	11.386	11.386	(0.902)	1607681	250.000	267.9
	54 Dibromochloromethane	129	11.563	11.563	(0.916)	1071934	50.0000	53.41
	55 1,2-Dibromoethane	107	11.711	11.711	(0.928)	887104	50.0000	53.43
*	56 Chlorobenzene-d5	117	12.617	12.617	(1.000)	1360031	50.0000	
	57 Chlorobenzene (**)	112	12.676	12.676	(1.005)	1381962	50.0000	51.71
	58 1,1,1,2-Tetrachloroethane	131	12.873	12.873	(1.020)	857392	50.0000	53.06
	59 Ethylbenzene (*)	106	12.942	12.942	(1.026)	661784	50.0000	53.07
	60 m,p-Xylenes	106	13.179	13.179	(1.045)	1695613	100.000	108.2
	61 o-Xylene	106	13.947	13.947	(1.105)	816785	50.0000	53.96

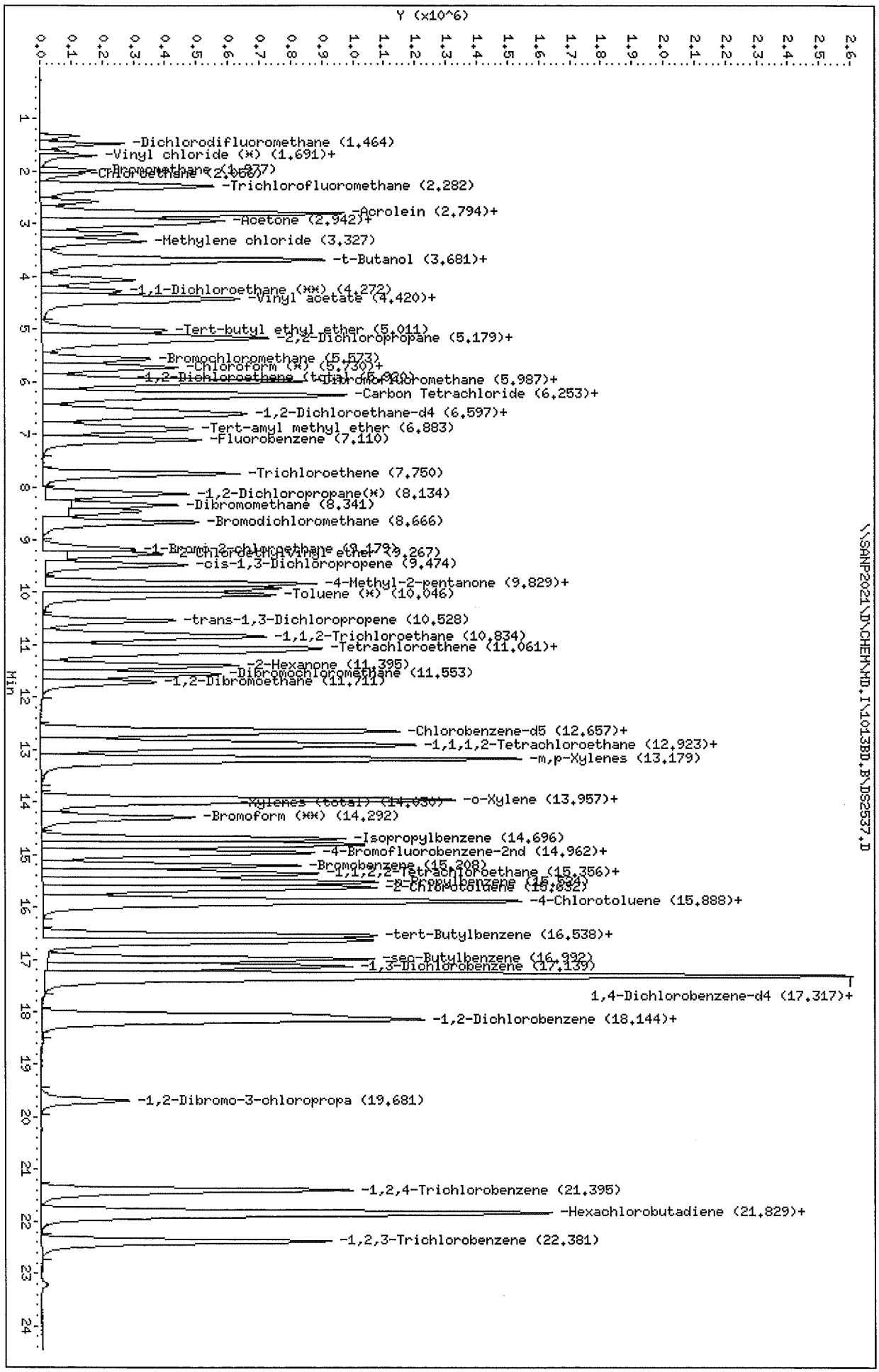
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.977	13.977	(1.108)	1364566	50.0000	54.28
M	63 Xylenes (total)	100				2512399	150.000	162.2
	64 Bromoform (**)	173	14.292	14.292	(1.133)	883691	50.0000	54.58
	65 Isopropylbenzene	105	14.696	14.696	(1.165)	2634296	50.0000	55.20
	66 4-Bromofluorobenzene-2nd	174	14.962	14.962	(0.866)	857705	50.0000	43.65
$	67 4-Bromofluorobenzene	95	14.962	14.962	(0.866)	1193222	50.0000	45.50
	68 Bromobenzene	156	15.208	15.208	(0.880)	857763	50.0000	52.33
	69 1,1,2,2-Tetrachloroethane(**)	83	15.346	15.346	(0.888)	871834	50.0000	51.65
	70 1,2,3-Trichloropropane	110	15.376	15.376	(0.890)	312353	50.0000	56.50
	71 n-Propylbenzene	91	15.533	15.533	(0.899)	2686154	50.0000	52.59
	72 2-Chlorotoluene	126	15.632	15.632	(0.905)	636684	50.0000	51.56
	73 4-Chlorotoluene	126	15.859	15.859	(0.918)	661857	50.0000	51.32
	74 1,3,5-Trimethylbenzene	105	15.908	15.908	(0.921)	2188552	50.0000	53.27
	75 tert-Butylbenzene	119	16.538	16.538	(0.957)	2273116	50.0000	53.56
	76 1,2,4-Trimethylbenzene	105	16.657	16.657	(0.964)	2221706	50.0000	53.11
	77 sec-Butylbenzene	105	16.992	16.992	(0.983)	3040998	50.0000	54.64
	78 1,3-Dichlorobenzene	146	17.139	17.139	(0.992)	1414174	50.0000	51.44
*	79 1,4-Dichlorobenzene-d4	152	17.277	17.277	(1.000)	986756	50.0000	
	80 1,4-Dichlorobenzene	146	17.327	17.327	(1.003)	1552542	50.0000	51.76
	81 p-Isopropyltoluene	119	17.317	17.317	(1.002)	2469228	50.0000	53.77
	82 1,2-Dichlorobenzene	146	18.065	18.065	(1.046)	1366565	50.0000	51.97
	83 n-Butylbenzene	91	18.164	18.164	(1.051)	2419548	50.0000	55.18
	84 1,2-Dibromo-3-chloropropane	157	19.681	19.681	(1.139)	308416	50.0000	53.91
	85 1,2,4-Trichlorobenzene	180	21.395	21.395	(1.238)	1275203	50.0000	52.51
	86 Hexachlorobutadiene	225	21.819	21.819	(1.263)	1101958	50.0000	60.09
	87 Napthalene	128	21.868	21.868	(1.266)	1848019	50.0000	50.30
	88 1,2,3-Trichlorobenzene	180	22.381	22.381	(1.295)	1184839	50.0000	52.29

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\013BD.B\DS2537.D
Date : 13-OCT-2000 21:32
Client ID:
Sample Info: 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Column phase: J&W DB-624

Instrument: md.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D12993.D
Lab Smp Id: LCS-1013BD Client Smp ID: D12993
Inj Date : 13-OCT-2000 22:14
Operator : AD Inst ID: md.i
Smp Info : LCS-1013BD,LCS,2,,0,1,0,8260BDA.M,D12993
Misc Info : 1253-1,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 21:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.795	2.785	(0.394)	376752	45.8557	45.86
$ 29 Dibromofluoromethane	111	5.997	6.006	(0.845)	906340	43.6834	43.68
$ 33 1,2-Dichloroethane-d4	65	6.519	6.529	(0.918)	707846	50.5442	50.54
34 1,2-Dichloroethane-d4 2nd	102	6.529	6.529	(0.920)	139785	49.4746	49.47
35 Benzene	78	6.598	6.597	(0.929)	1269175	51.2711	51.27
* 38 Fluorobenzene	96	7.100	7.100	(1.000)	1458667	50.0000	
39 Trichloroethene	130	7.750	7.740	(1.092)	743199	54.5142	54.51
$ 47 Toluene-d8	98	9.938	9.928	(0.787)	1390467	45.7288	45.73
48 Toluene (*)	91	10.046	10.046	(0.796)	1564972	48.7448	48.74
* 56 Chlorobenzene-d5	117	12.627	12.617	(1.000)	1313486	50.0000	
57 Chlorobenzene (**)	112	12.677	12.676	(1.004)	1257057	48.7028	48.70
$ 67 4-Bromofluorobenzene	95	14.972	14.962	(0.867)	1155352	45.7587	45.76
66 4-Bromofluorobenzene-2nd	174	14.962	14.962	(0.866)	839762	44.3908	44.39
* 79 1,4-Dichlorobenzene-d4	152	17.278	17.277	(1.000)	950056	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12993.D

Date : 13-OCT-2000 22:14

Client ID: D12993

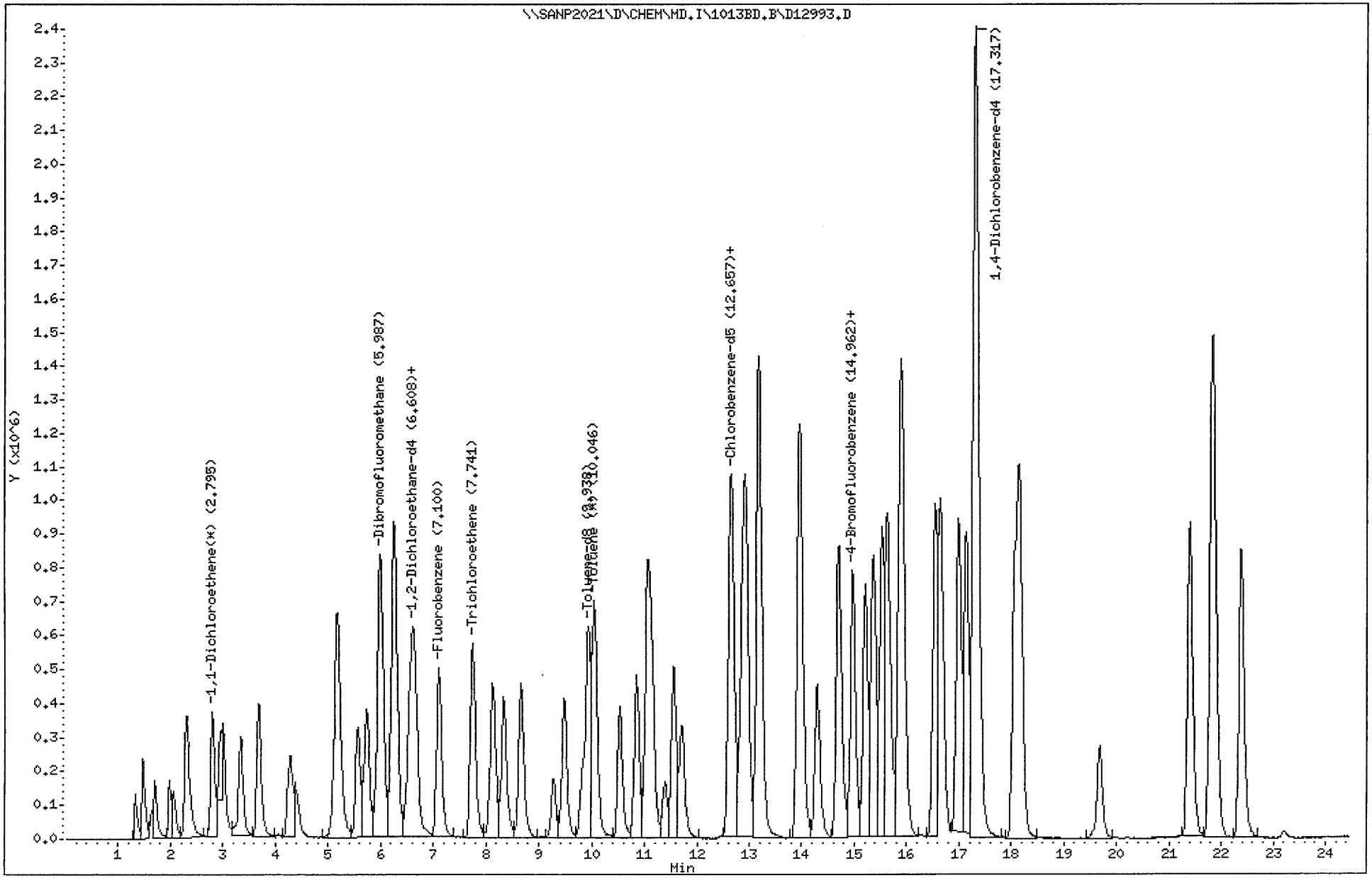
Sample Info: LCS-1013BD,LCS,2,,0,1,0,8260BDA.M,D12993

Column phase: J&W DB-624

Instrument: md.i

Operator: AD

Column diameter: 0.53



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BOE-C6-0155115

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1013BD.B\D12994.D
Lab Smp Id: MB-1013BD Client Smp ID: D12994
Inj Date : 13-OCT-2000 22:46
Operator : AD Inst ID: md.i
Smp Info : MB-1013BD,BLANK,2,,0,1,0,8260BDA.M,D12994
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.986	6.006	(0.842)	865410	42.5210	42.52
$ 33 1,2-Dichloroethane-d4	65	6.527	6.529	(0.918)	657277	47.8451	47.84
34 1,2-Dichloroethane-d4 2nd	102	6.527	6.529	(0.918)	126091	45.4951	45.50
36 1,2-Dichloroethane	62	7.099	6.657	(0.999)	25341	1.65727	1.66(aQ)
* 38 Fluorobenzene	96	7.109	7.100	(1.000)	1430866	50.0000	
$ 47 Toluene-d8	98	9.927	9.928	(0.786)	1397474	44.6985	44.70
* 56 Chlorobenzene-d5	117	12.626	12.617	(1.000)	1350533	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.971	14.962	(0.866)	835491	43.6082	43.61
$ 67 4-Bromofluorobenzene	95	14.971	14.962	(0.866)	1158527	45.3059	45.30
* 79 1,4-Dichlorobenzene-d4	152	17.286	17.277	(1.000)	962188	50.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1013BD.B\D12994.D
Lab Smp Id: MB-1013BD Client Smp ID: D12994
Inj Date : 13-OCT-2000 22:46
Operator : AD Inst ID: md.i
Smp Info : MB-1013BD,BLANK,2,,0,1,0,8260BDA.M,D12994
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.109	3385278	50.000
* 79 1,4-Dichlorobenzene-d4	17.286	5945136	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.325	595530	8.79588225	8.80	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.798	3474155	29.2184602	29.22	83	NBS75K.L	41966	79

Cap bleed

RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzoic acid, 2-[(trimethylsilyl)oxy]-,					CAS #: 3789-85-3		
19.582	686080	5.77009073	5.77	53	NBS75K.L	72298	79

Cap bleed

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1013BD
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12994
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.325	8.80	J
2. 556-67-2	Cyclotetrasiloxane, octamet	15.798	29.22	NJ
3. 3789-85-3	Benzoic acid, 2-[(trimethyl	19.582	5.77	NJ

Cap blued from vials

Data File: \\SANP2021\D\chem\md.i\1013BD.B\D12994.D

Date : 13-OCT-2000 22:46

Client ID: D12994

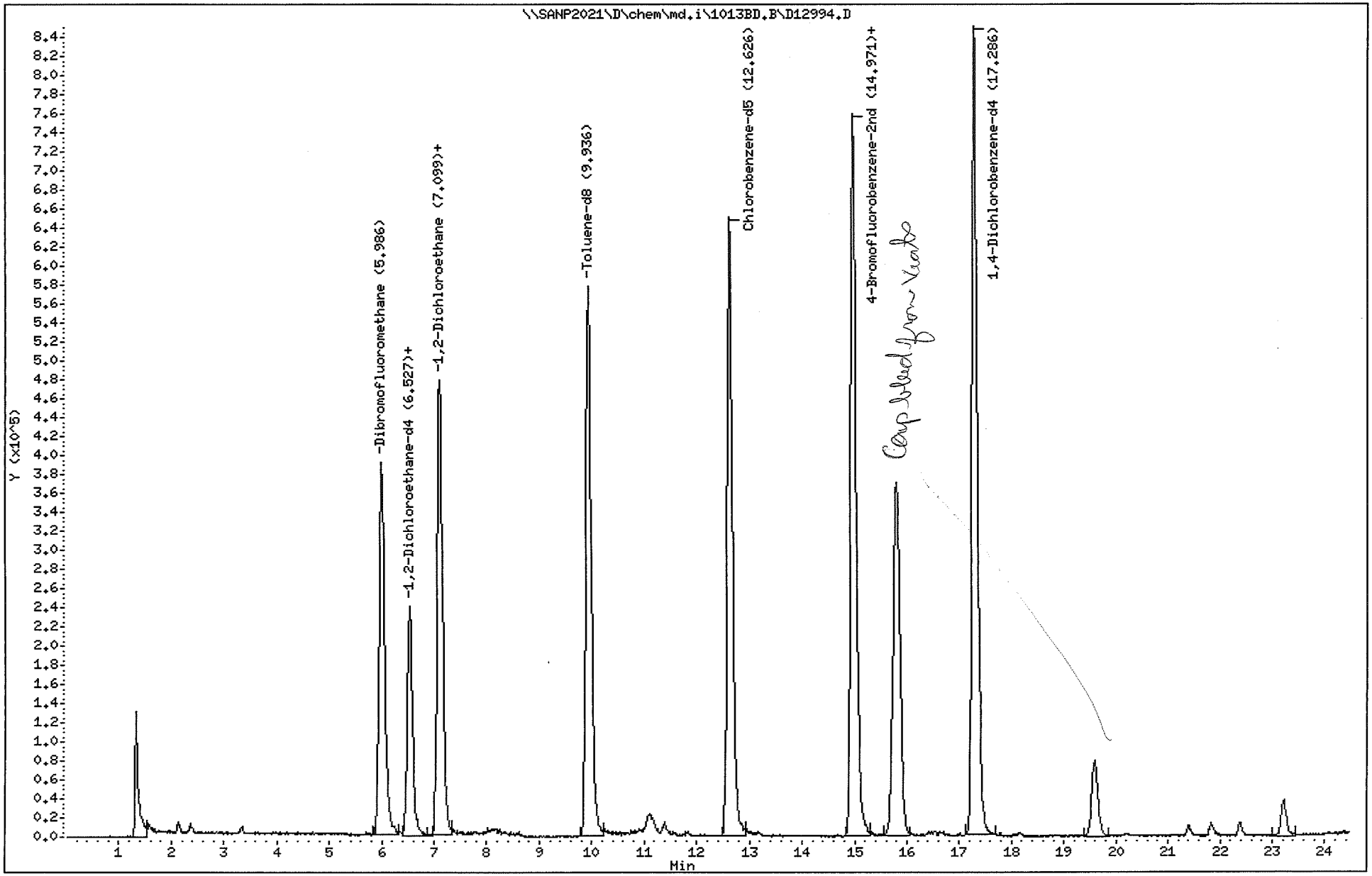
Sample Info: MB-1013BD,BLANK,2,,0,1,0,8260BDA.M,D12994

Column phase: J&W DB-624

Instrument: md.i

Operator: AD

Column diameter: 0.53



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BOE-C6-0155121

Data File: \\SANP2021\D\chem\md.i\1013BD.B\D12994.D

Date : 13-OCT-2000 22:46

Client ID: D12994

Instrument: md.i

Sample Info: MB-1013BD,BLANK,2,,0,1,0,8260BDA.M,D12994

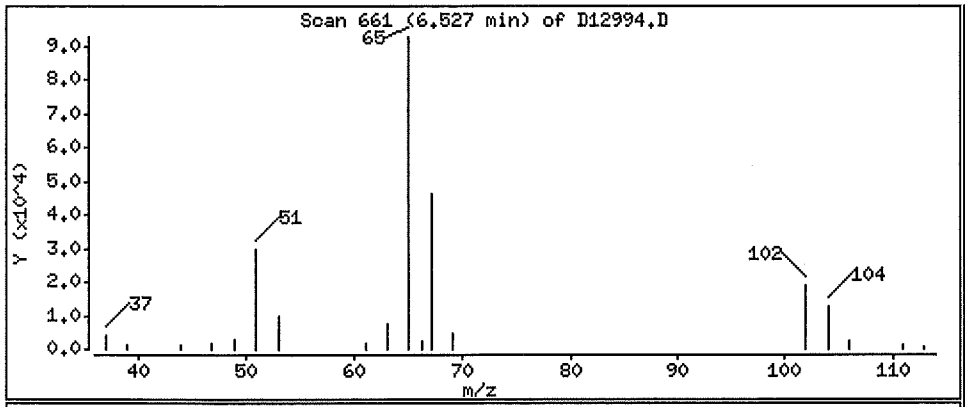
Operator: AD

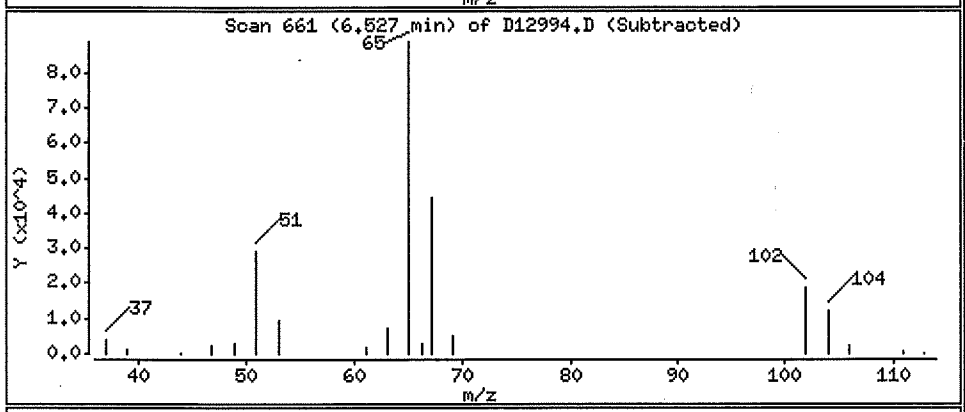
Column phase: J&W DB-624

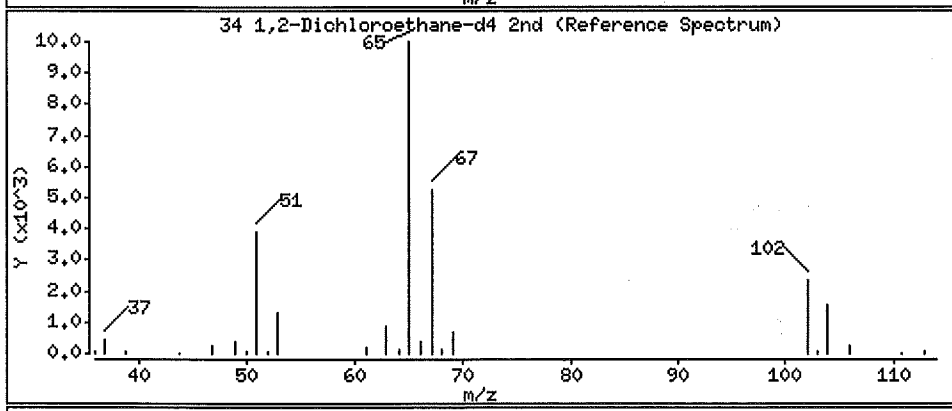
Column diameter: 0.53

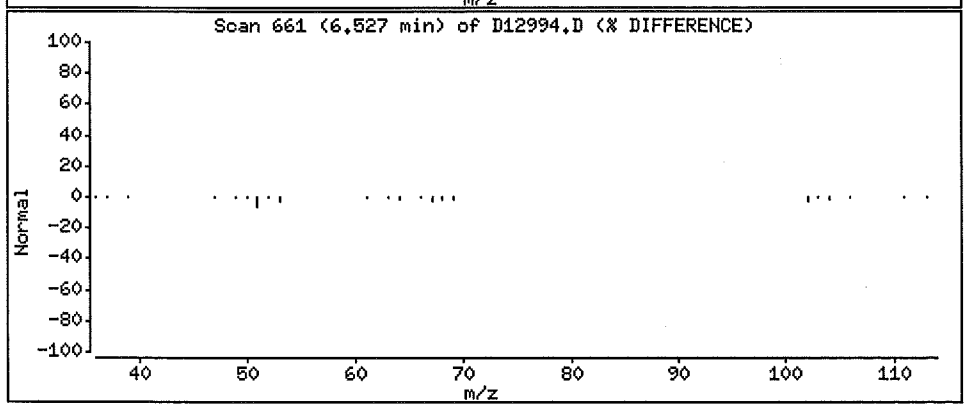
34 1,2-Dichloroethane-d4 2nd

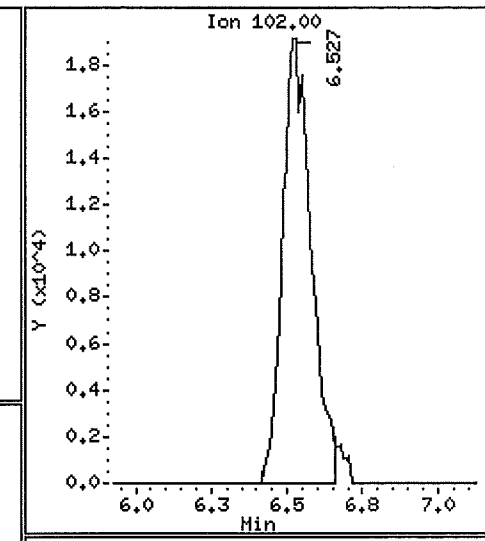
Concentration: 45.50 ug/Kg

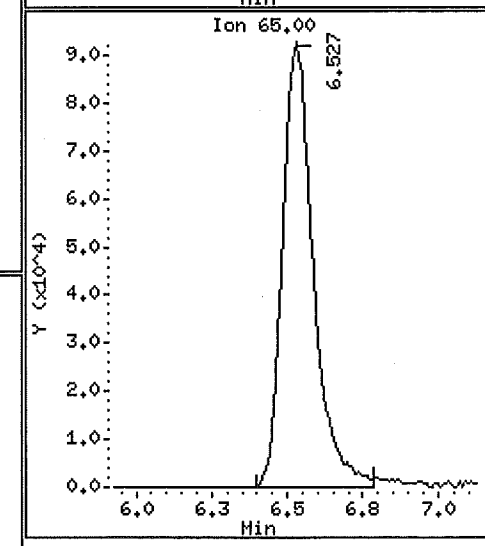












Data File: \\SANP2021\D\chem\md.i\1013BD.B\D12994.D

Date : 13-OCT-2000 22:46

Client ID: D12994

Instrument: md.i

Sample Info: MB-1013BD,BLANK,2,,0,1,0,8260BDA.M,D12994

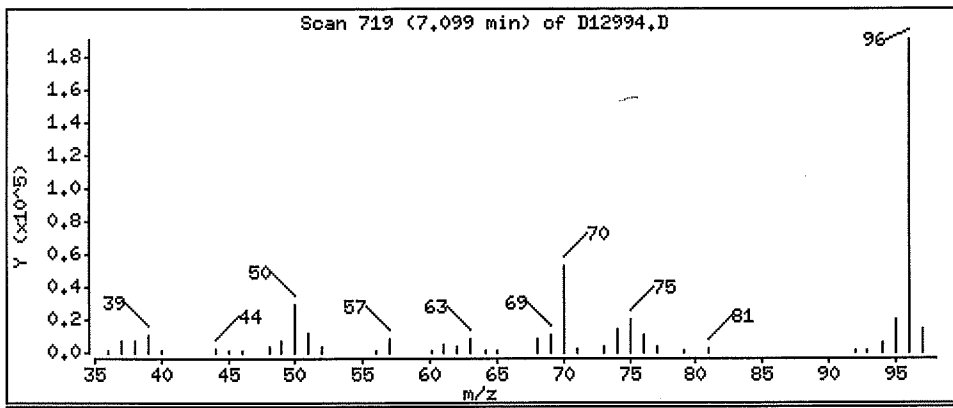
Operator: AD

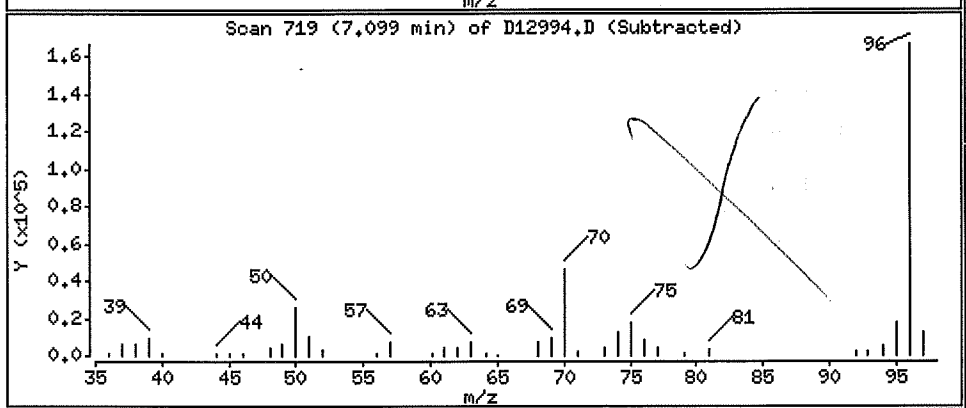
Column phase: J&W DB-624

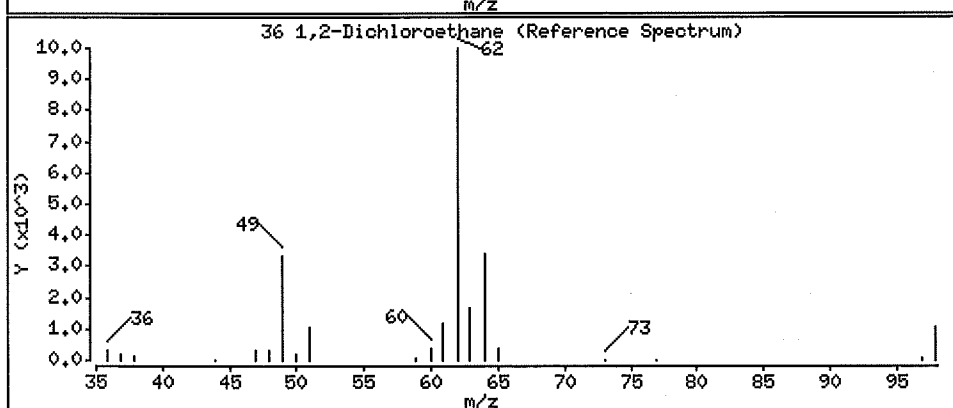
Column diameter: 0.53

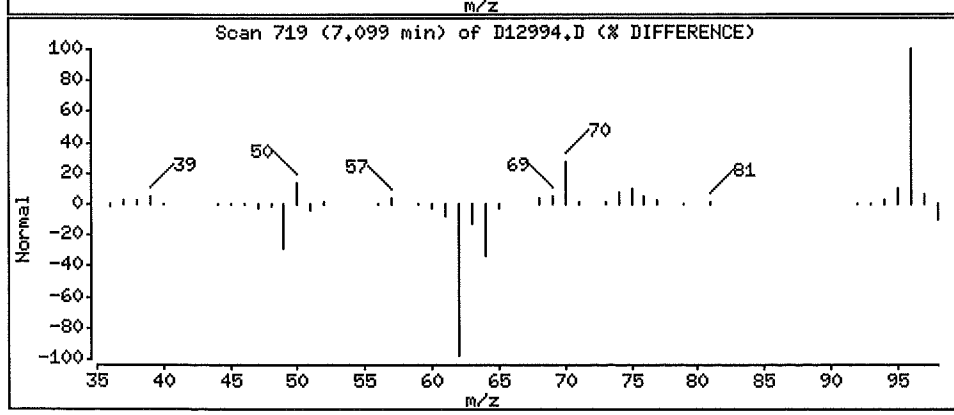
36 1,2-Dichloroethane

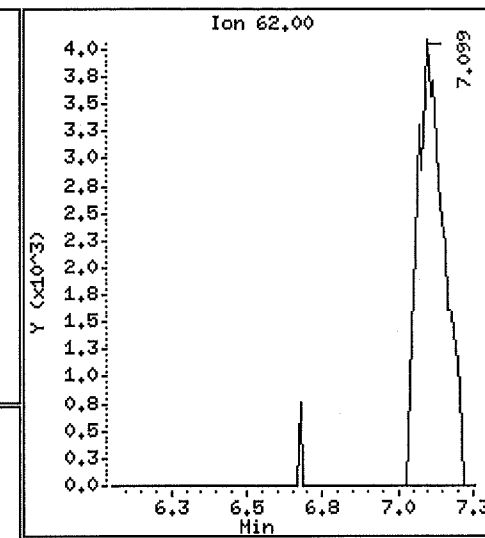
Concentration: 1.66 ug/Kg

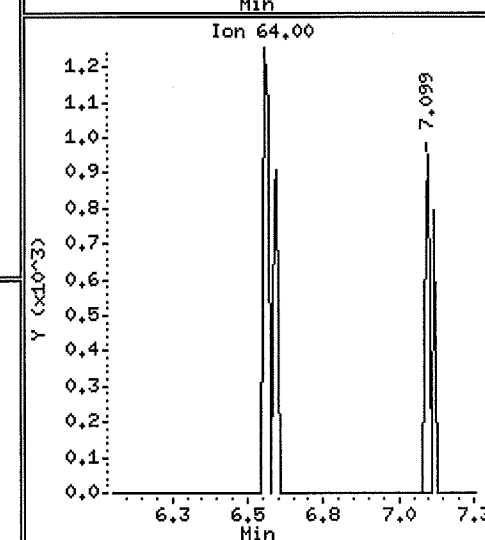


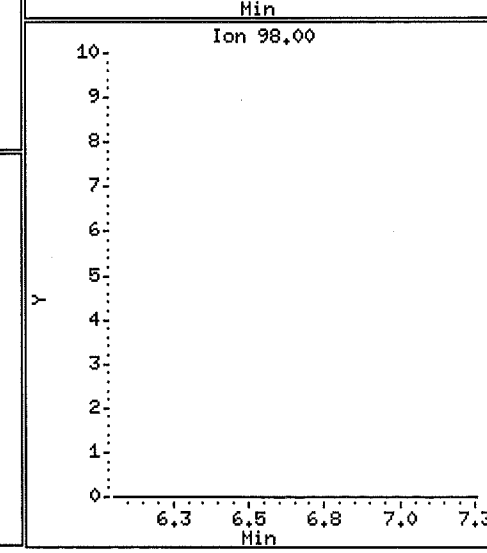












Data File: \\SANP2021\D\chem\md.i\1013BD.B\D12994.D

Date : 13-OCT-2000 22:46

Client ID: D12994

Instrument: md.i

Sample Info: MB-1013BD,BLANK,2,,0,1,0,8260BDA.M,D12994

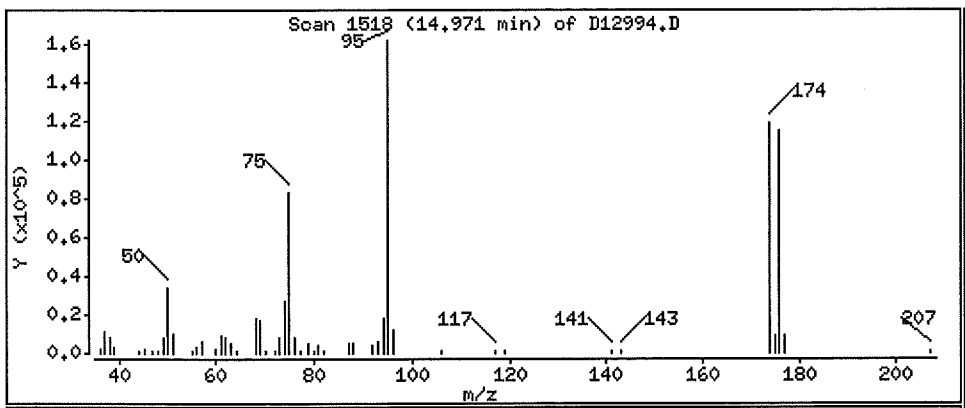
Operator: AD

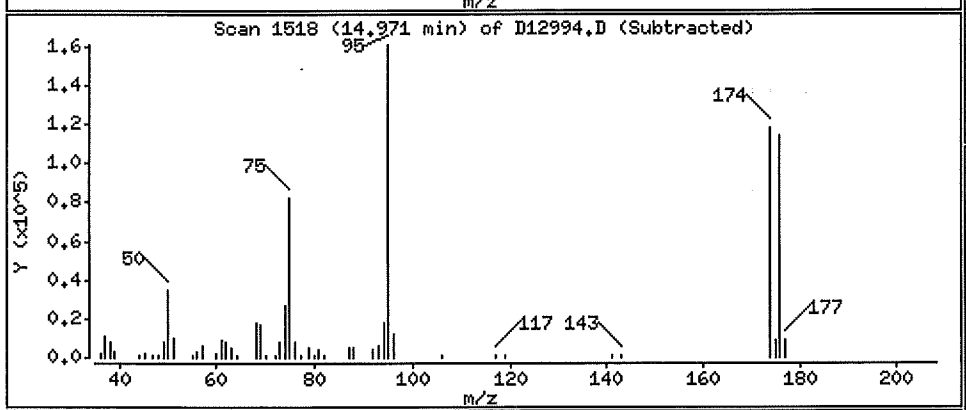
Column phase: J&W DB-624

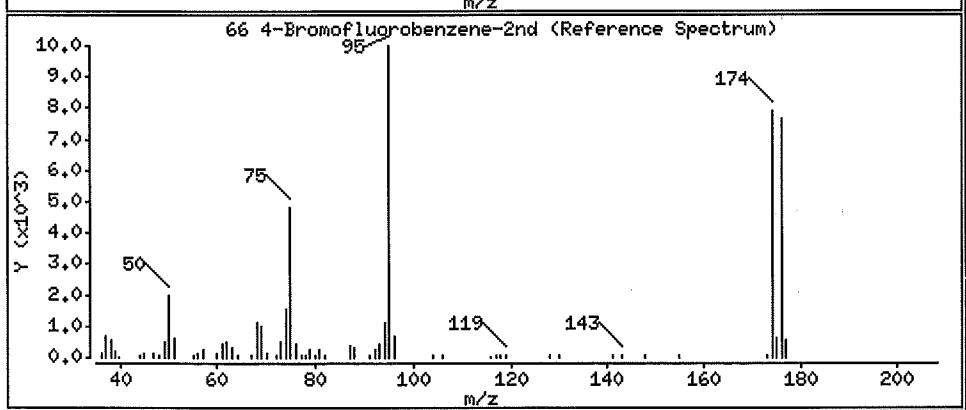
Column diameter: 0.53

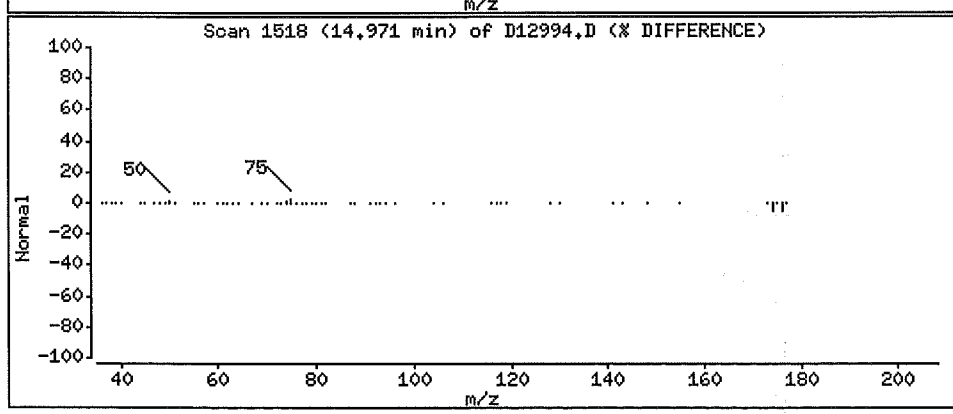
66 4-Bromofluorobenzene-2nd

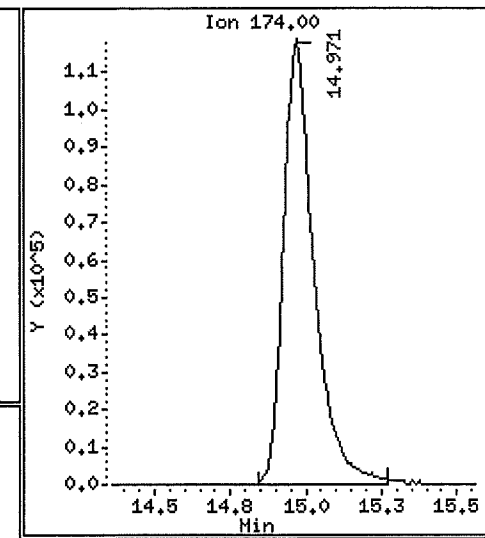
Concentration: 43.61 ug/Kg

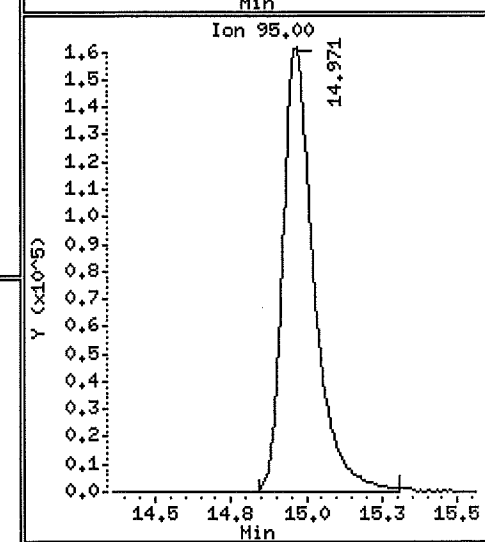


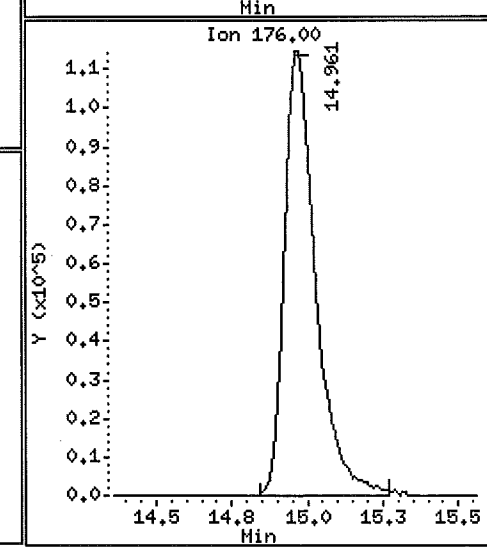












Data File: \\SANP2021\D\chem\md.i\1013BD.B\D12994.D

Date : 13-OCT-2000 22:46

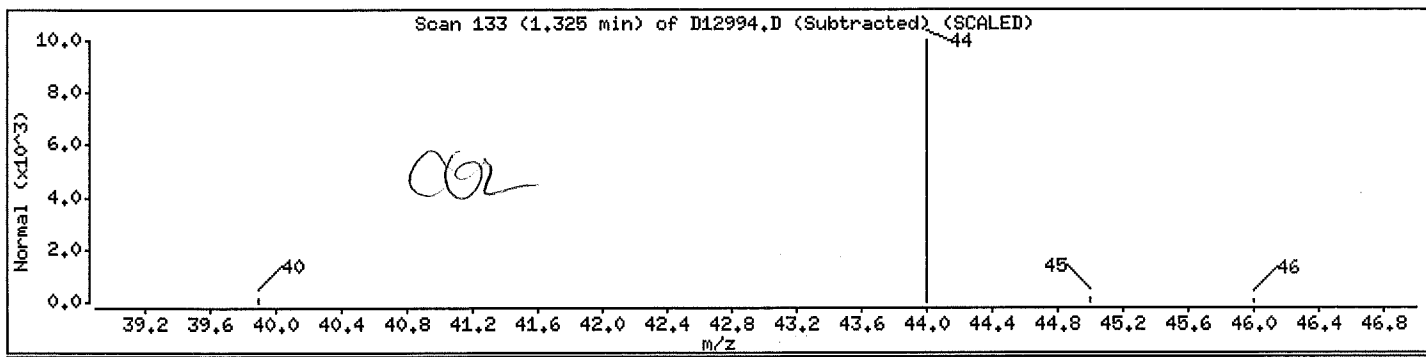
Client ID: D12994 Instrument: md.i

Sample Info: MB-1013BD,BLANK,2,,0,1,0,8260BDA.M,D12994

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Data File: \\SANP2021\D\chem\md.i\1013BD.B\D12994.D

Date : 13-OCT-2000 22:46

Client ID: D12994

Instrument: md.i

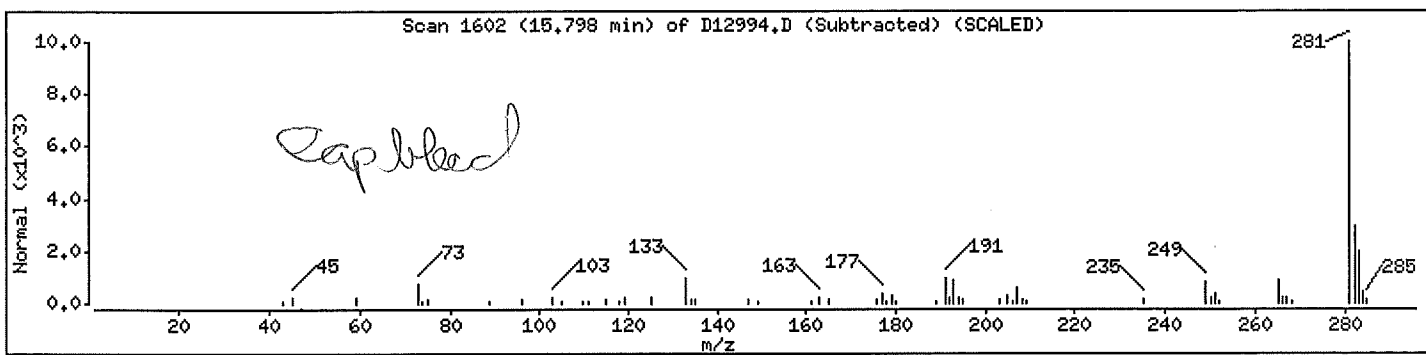
Sample Info: MB-1013BD,BLANK,2,,0,1,0,8260BDA.M,D12994

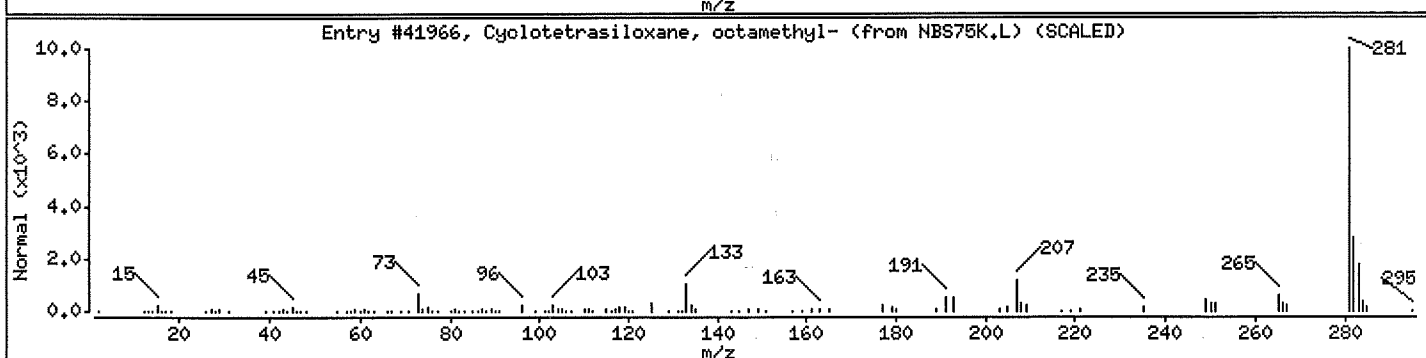
Operator: AD

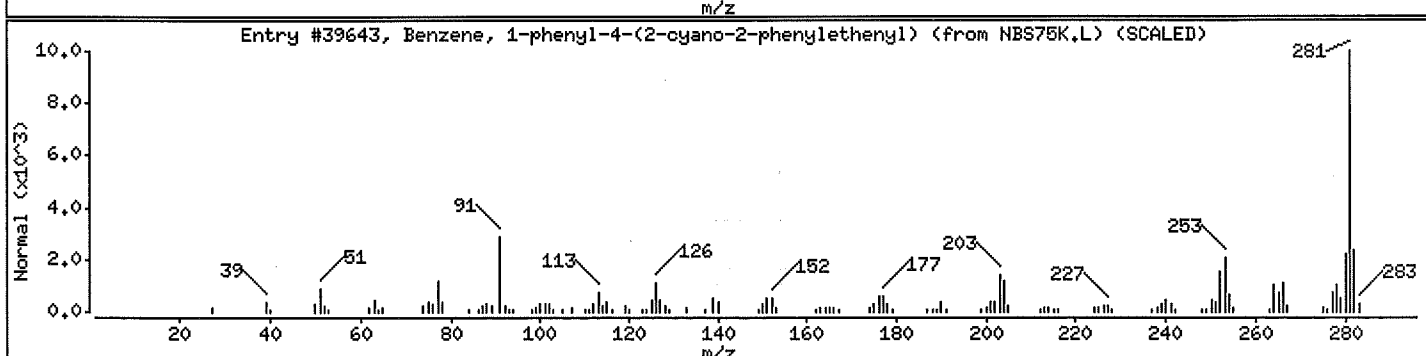
Column phase: J&W DB-624

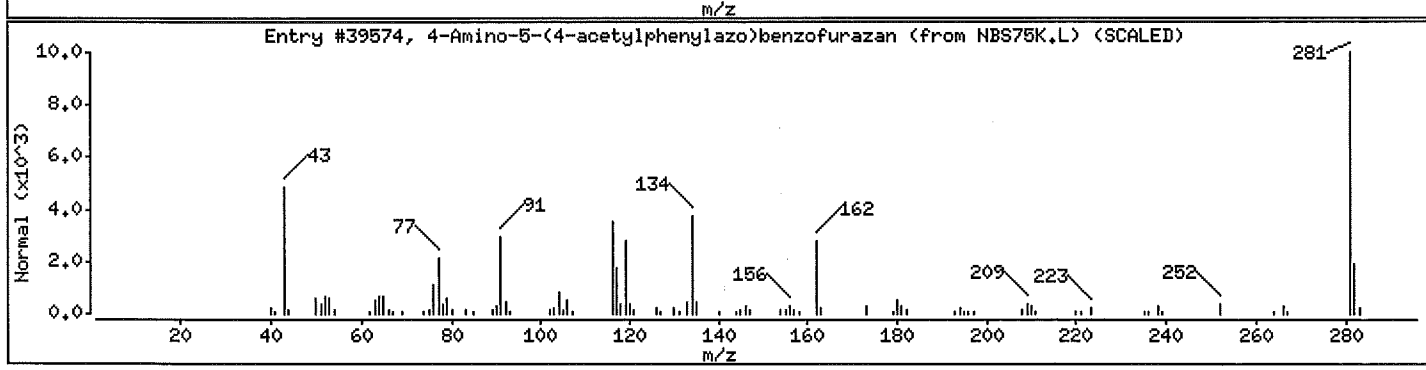
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	83	C8H24O4Si4	296
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	NBS75K.L	39643	50	C21H15N	281
4-Amino-5-(4-acetylphenylazo)benzofuraza	0-00-0	NBS75K.L	39574	25	C14H11N5O2	281









Data File: \\SANP2021\D\chem\md.i\1013BD.B\D12994.D

Date : 13-OCT-2000 22:46

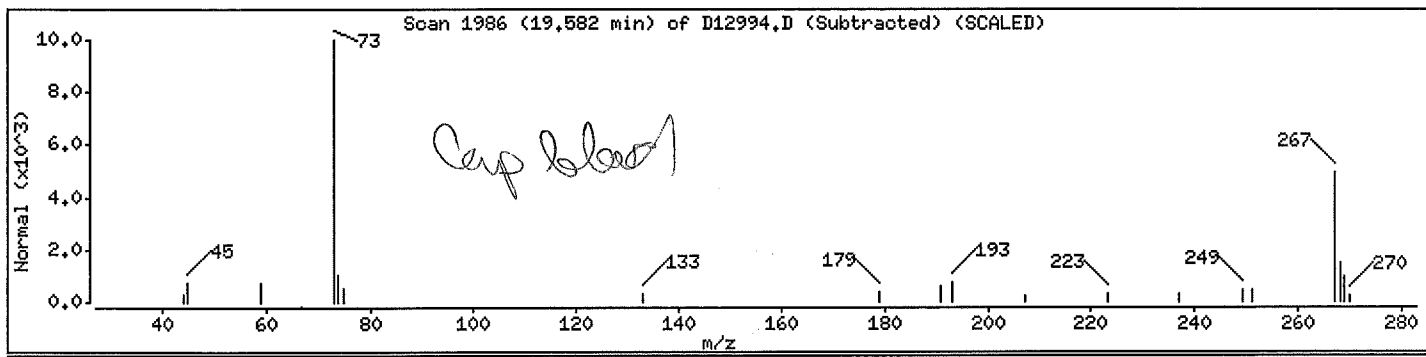
Client ID: D12994 Instrument: md.i

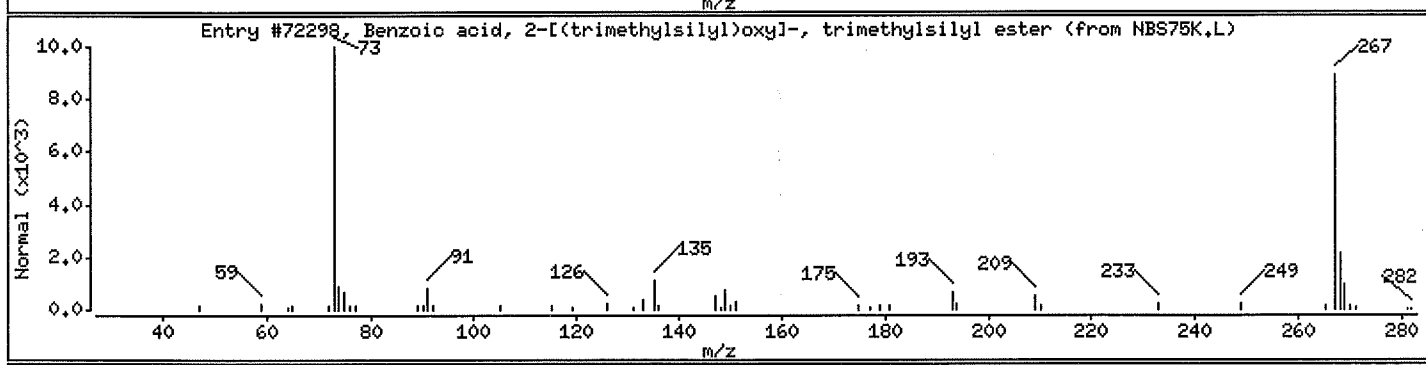
Sample Info: MB-1013BD,BLANK,2,,0,1,0,8260BDA.M,D12994

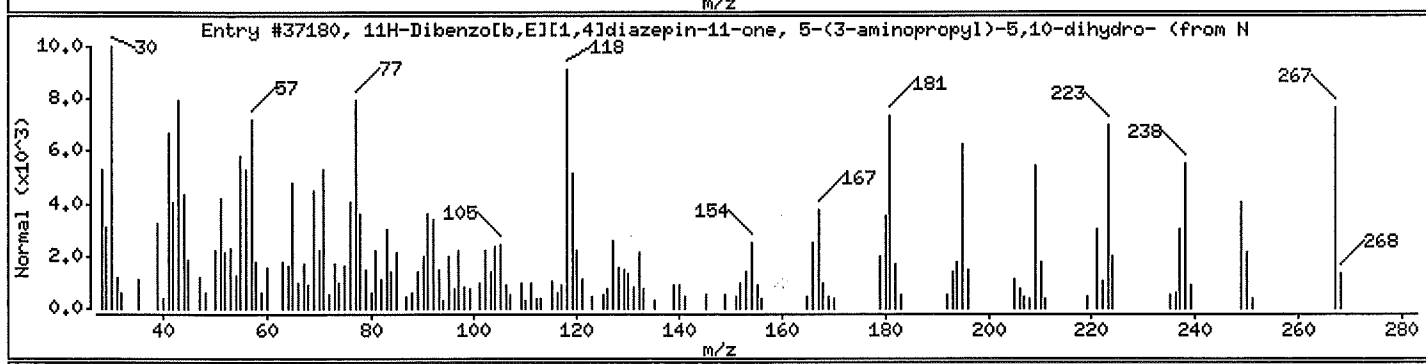
Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzoic acid, 2-[(trimethylsilyl)oxy]-,	3789-85-3	NBS75K.L	72298	53	C13H22O3Si2	282
11H-Dibenzo[b,E][1,4]diazepin-11-one, 5-	13450-73-2	NBS75K.L	37180	25	C16H17N3O	267







STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D12999.D
Lab Smp Id: DLH3N102 Client Smp ID: D12999
Inj Date : 14-OCT-2000 01:35
Operator : AD Inst ID: md.i
Smp Info : DLH3N102,MS,2,,0,1,0,8260BDA.M,D12999
Misc Info : 125-11S,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 8 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.788	2.785	(0.392)	225007	44.4371	44.44
$ 29 Dibromofluoromethane	111	6.000	6.006	(0.845)	587834	45.9718	45.97
$ 33 1,2-Dichloroethane-d4	65	6.532	6.529	(0.920)	451060	52.2611	52.26
34 1,2-Dichloroethane-d4 2nd	102	6.522	6.529	(0.918)	76013	43.6538	43.65
35 Benzene	78	6.591	6.597	(0.928)	741360	48.5951	48.60
* 38 Fluorobenzene	96	7.103	7.100	(1.000)	898968	50.0000	
39 Trichloroethene	130	7.744	7.740	(1.090)	435661	51.8520	51.85
$ 47 Toluene-d8	98	9.931	9.928	(0.787)	885344	45.9633	45.96
48 Toluene (*)	91	10.059	10.046	(0.797)	951750	46.7966	46.80
* 56 Chlorobenzene-d5	117	12.621	12.617	(1.000)	832061	50.0000	
57 Chlorobenzene (**)	112	12.680	12.676	(1.005)	752206	46.0051	46.00
$ 67 4-Bromofluorobenzene	95	14.965	14.962	(0.866)	740516	45.0329	45.03
66 4-Bromofluorobenzene-2nd	174	14.965	14.962	(0.866)	545841	44.3036	44.30
* 79 1,4-Dichlorobenzene-d4	152	17.281	17.277	(1.000)	618748	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12999.D

Date : 14-OCT-2000 01:35

Client ID: D12999

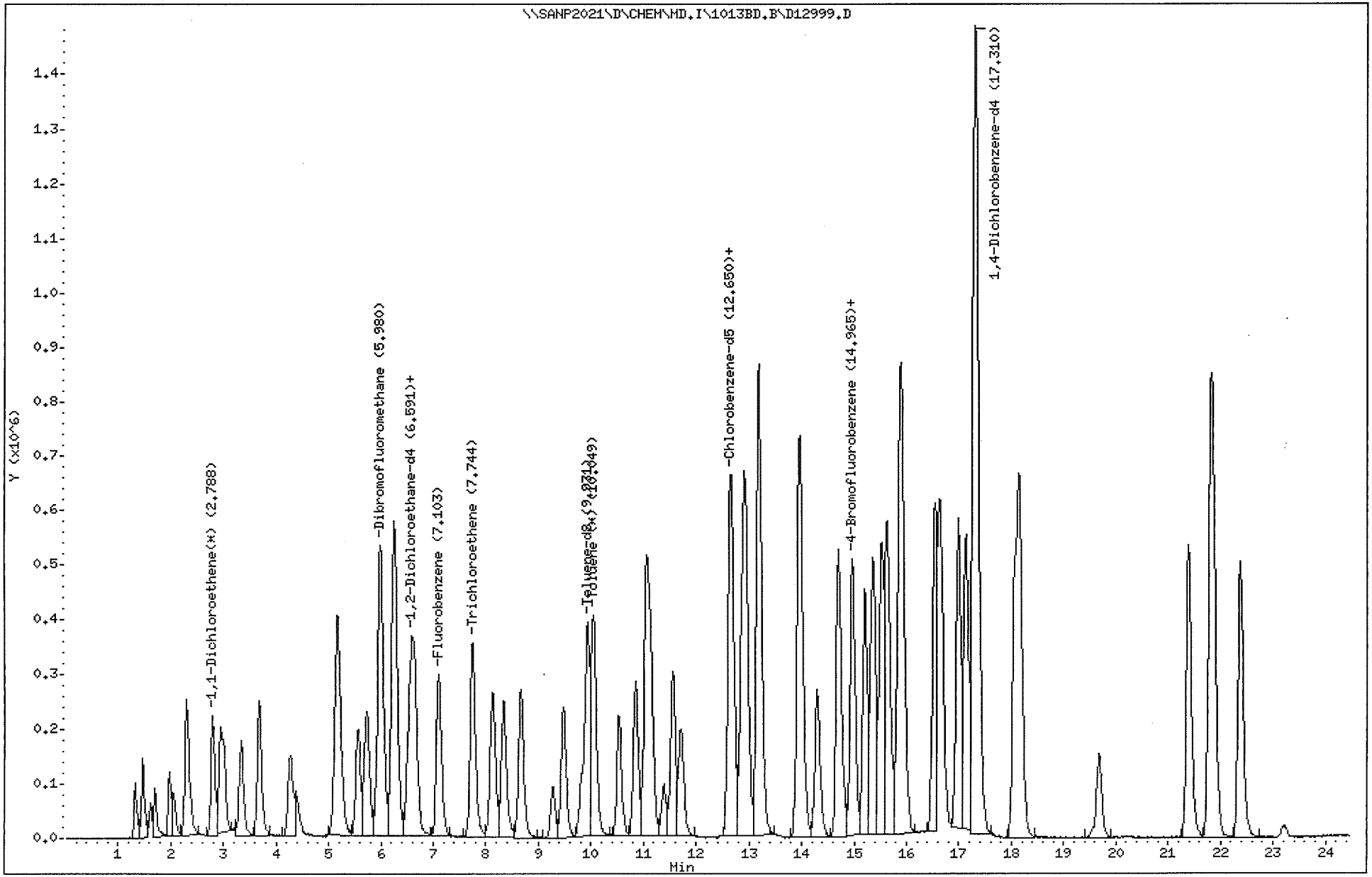
Sample Info: DLH3N102,MS,2,,0,1,0,8260BDA.M,D12999

Column phase: J&W DB-624

Instrument: md.i

Operator: AD

Column diameter: 0.53



000464

BOE-C6-0155129

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13013.D
Lab Smp Id: DLH3N103 Client Smp ID: D13013
Inj Date : 14-OCT-2000 09:03
Operator : AD Inst ID: md.i
Smp Info : DLH3N103,MSD,2,,0,1,0,8260BDA.M,D13013
Misc Info : 125-11D,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 22 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

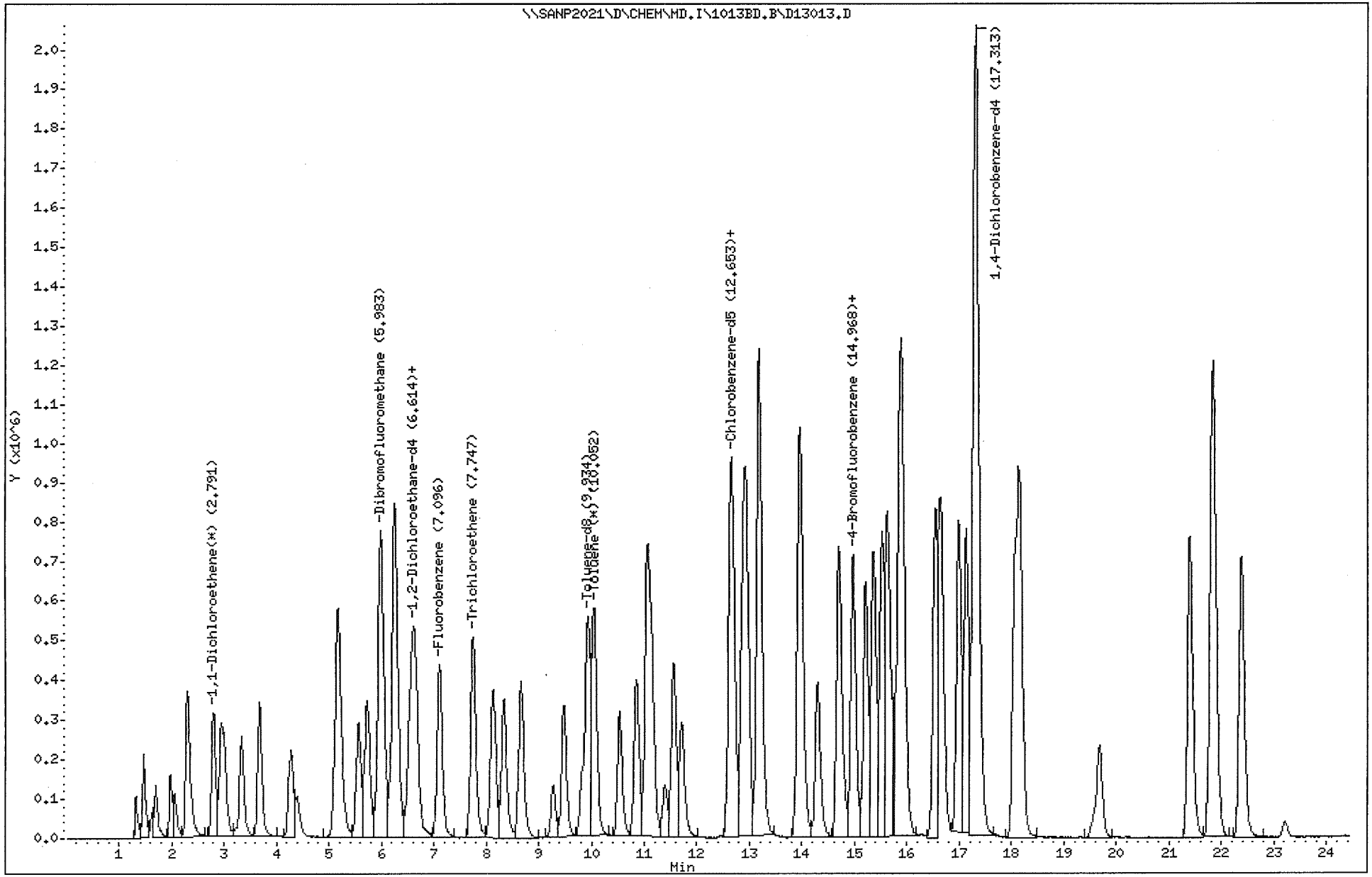
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.791	2.785	(0.393)	321562	44.8636	44.86
$ 29 Dibromofluoromethane	111	5.993	6.006	(0.845)	885987	48.9490	48.95
$ 33 1,2-Dichloroethane-d4	65	6.535	6.529	(0.921)	644578	52.7592	52.76
34 1,2-Dichloroethane-d4 2nd	102	6.525	6.529	(0.919)	109768	44.5336	44.53
35 Benzene	78	6.594	6.597	(0.929)	1049729	48.6093	48.61
* 38 Fluorobenzene	96	7.096	7.100	(1.000)	1272521	50.0000	
39 Trichloroethene	130	7.747	7.740	(1.092)	632595	53.1889	53.19
$ 47 Toluene-d8	98	9.934	9.928	(0.787)	1265008	46.1643	46.16
48 Toluene (*)	91	10.052	10.046	(0.796)	1348127	46.5947	46.59
* 56 Chlorobenzene-d5	117	12.624	12.617	(1.000)	1183698	50.0000	
57 Chlorobenzene (**)	112	12.673	12.676	(1.004)	1094453	47.0523	47.05
$ 67 4-Bromofluorobenzene	95	14.968	14.962	(0.867)	1060973	46.9251	46.92
66 4-Bromofluorobenzene-2nd	174	14.968	14.962	(0.867)	778390	45.9490	45.95
* 79 1,4-Dichlorobenzene-d4	152	17.274	17.277	(1.000)	850761	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13013.D
Date : 14-OCT-2000 09:03
Client ID: D13013
Sample Info: DLH3N103,MSD,2,,0,1,0,8260BDA.M,D13013

Instrument: md.i

Operator: AD
Column diameter: 0.53

Column phase: J&W DB-624



BOE-C6-0155131

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D12995.D
Lab Smp Id: DLH3M101 Client Smp ID: D12995
Inj Date : 13-OCT-2000 23:27
Operator : AD Inst ID: md.i
Smp Info : DLH3M101,,2,,0,1,0,8260BDA.M,D12995
Misc Info : E0J040125-10,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
10 Acetone	43	2.893	2.883	(0.407)	8658	5.59364	5.59	
$ 29 Dibromofluoromethane	111	5.997	6.006	(0.845)	844734	42.4763	42.48	
$ 33 1,2-Dichloroethane-d4	65	6.529	6.529	(0.920)	648590	48.3174	48.32	
34 1,2-Dichloroethane-d4 2nd	102	6.529	6.529	(0.920)	128545	47.4656	47.46	
* 38 Fluorobenzene	96	7.100	7.100	(1.000)	1398151	50.0000		
$ 47 Toluene-d8	98	9.928	9.928	(0.787)	1327986	45.8273	45.83	
* 56 Chlorobenzene-d5	117	12.617	12.617	(1.000)	1251769	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.972	14.962	(0.867)	752760	45.0420	45.04	
$ 67 4-Bromofluorobenzene	95	14.962	14.962	(0.866)	1056093	47.3464	47.35	
* 79 1,4-Dichlorobenzene-d4	152	17.277	17.277	(1.000)	839314	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D12995.D
Lab Smp Id: DLH3M101 Client Smp ID: D12995
Inj Date : 13-OCT-2000 23:27
Operator : AD Inst ID: md.i
Smp Info : DLH3M101,,2,,0,1,0,8260BDA.M,D12995
Misc Info : E0J040125-10,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.100	3316404	50.000
* 79 1,4-Dichlorobenzene-d4	17.277	5221653	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
1.327	662617	9.98998658	9.99	0		0	38
2-Phenyl-1,2-bis(trimethylsilyloxy)propa					CAS #: 0-00-0		
23.218	715594	6.85217589	6.85	43	NBS75K.L	42034	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH3M101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12995
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ SV	1.327	9.99	J
2. 0-00-0	2-Phenyl-1,2-bis(trimethyls	23.218	6.85	NJ

Cpg bleed

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12995.D

Date : 13-OCT-2000 23:27

Client ID: D12995

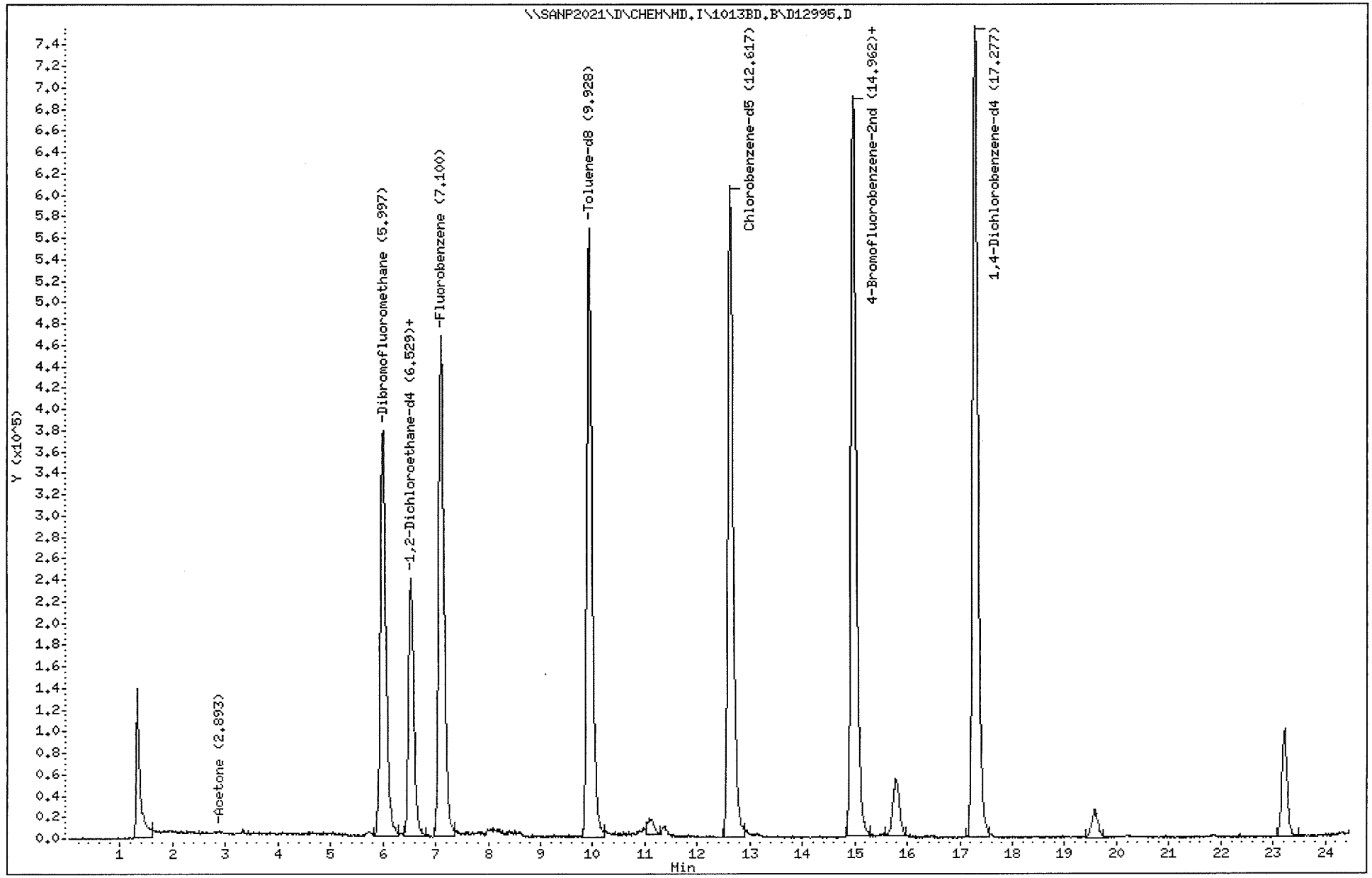
Sample Info: DLH3M101,,2,,0,1,0,8260BDA.M,D12995

Column phase: J&W DB-624

Instrument: md.i

Operator: AD

Column diameter: 0.53



000471

BOE-C6-0155136

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12995.D

Date : 13-OCT-2000 23:27

Client ID: D12995

Instrument: md.i

Sample Info: DLH3M101,,2,,0,1,0,8260BDA.M,D12995

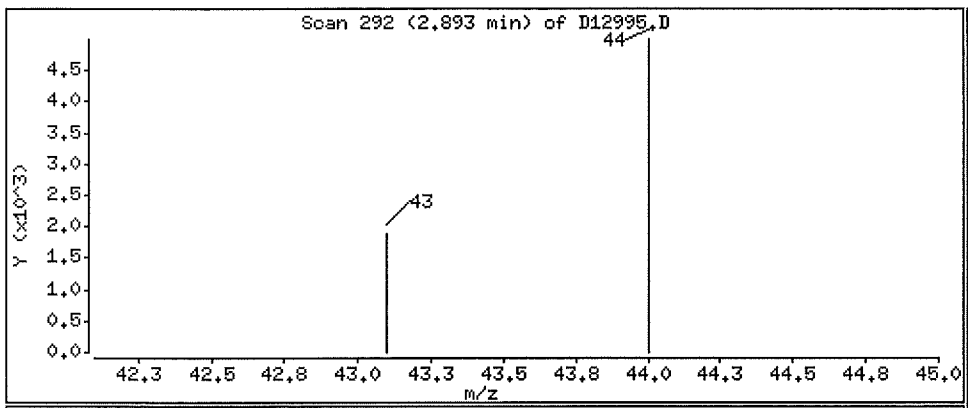
Operator: AD

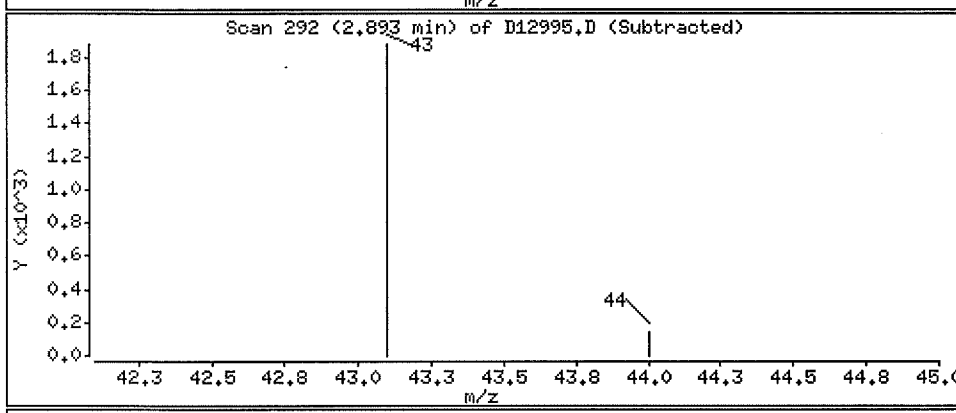
Column phase: J&W DB-624

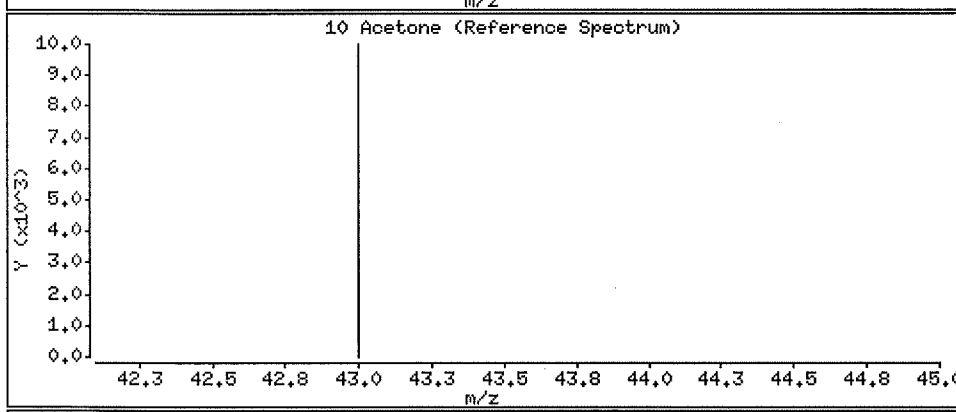
Column diameter: 0.53

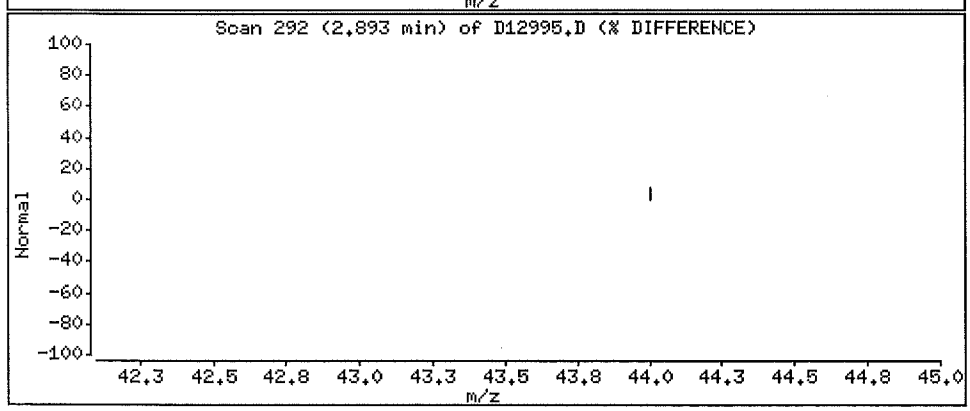
10 Acetone

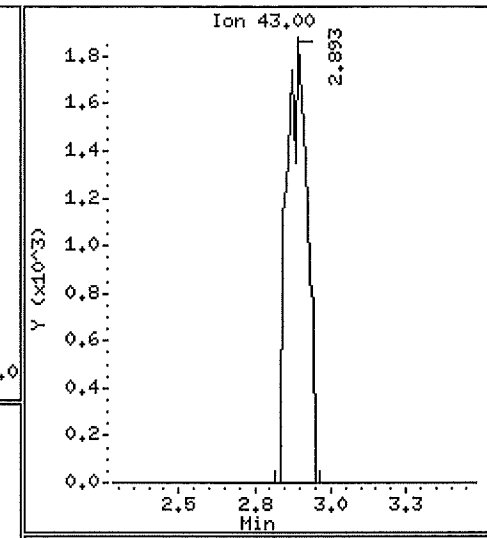
Concentration: 5.59 ug/Kg

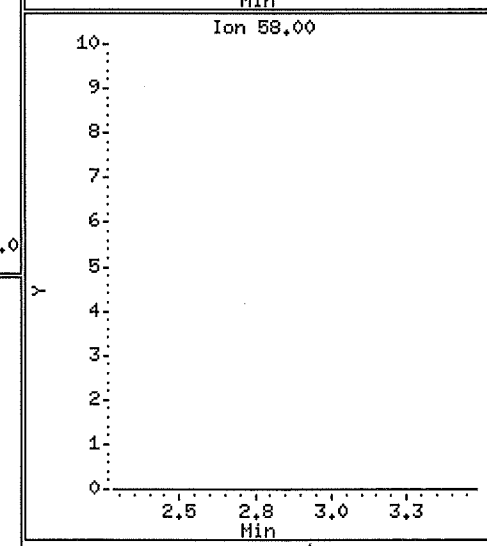












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12995.D

Date : 13-OCT-2000 23:27

Client ID: D12995

Instrument: md.i

Sample Info: DLH3M101,,2,,0,1,0,8260BDA.M,D12995

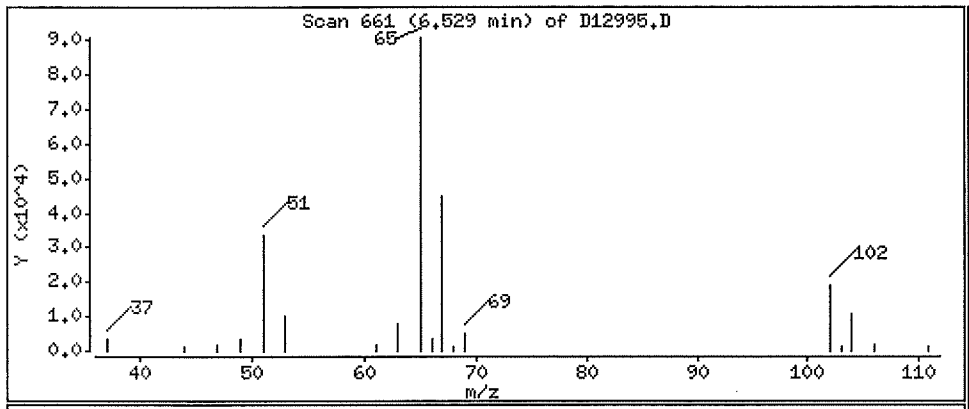
Operator: AD

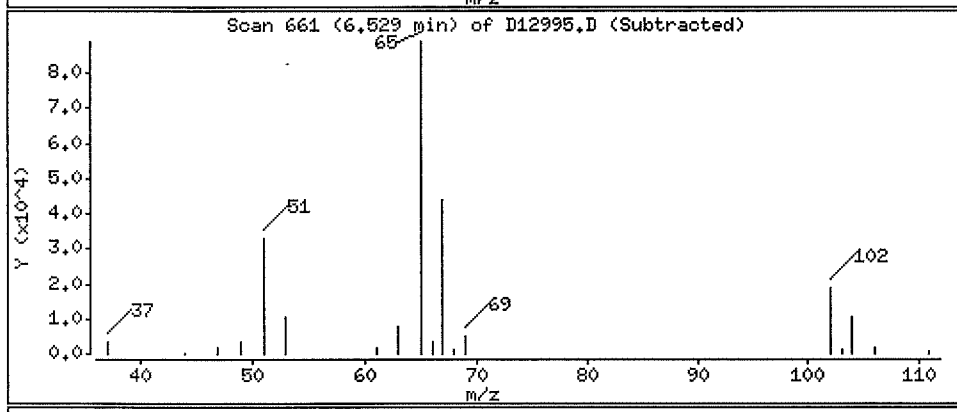
Column phase: J&W DB-624

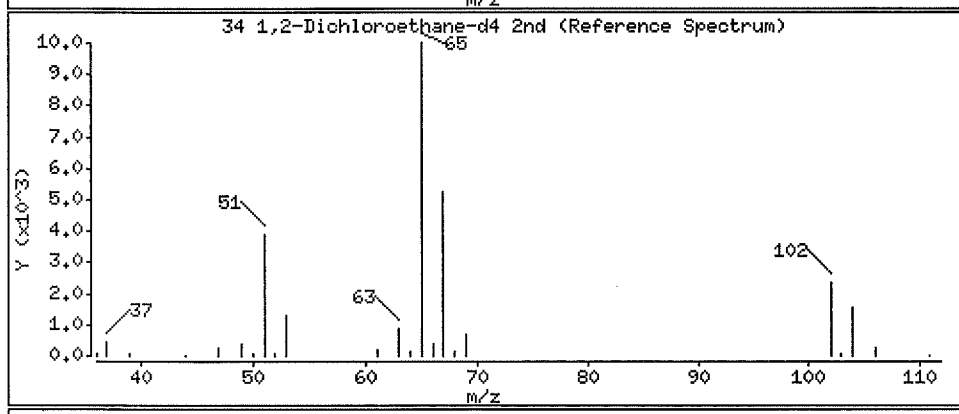
Column diameter: 0.53

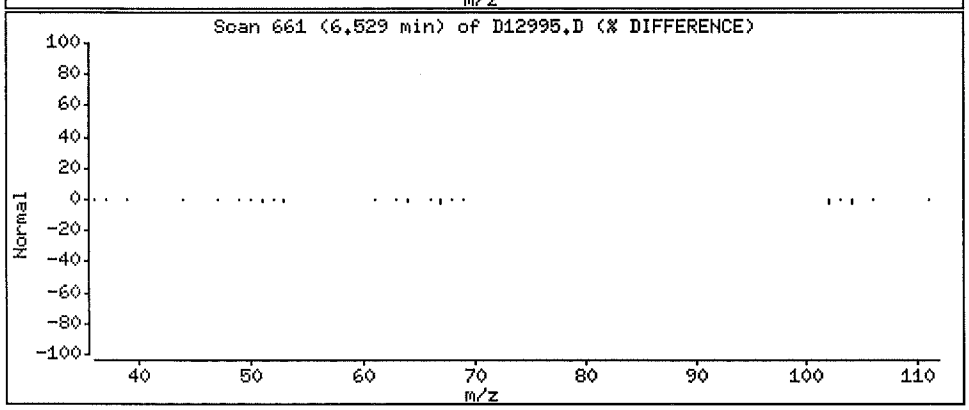
34 1,2-Dichloroethane-d4 2nd

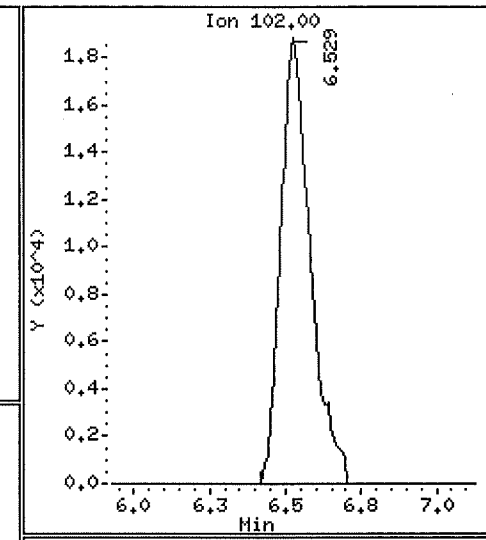
Concentration: 47.46 ug/Kg

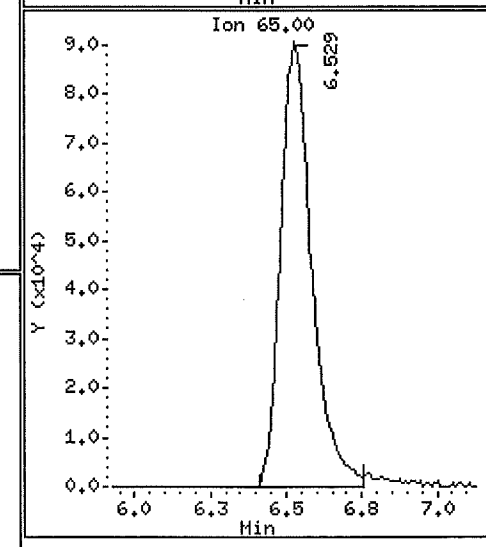












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12995.D

Date : 13-OCT-2000 23:27

Client ID: D12995

Instrument: md.i

Sample Info: DLH3M101,,2,,0,1,0,8260BDA.M,D12995

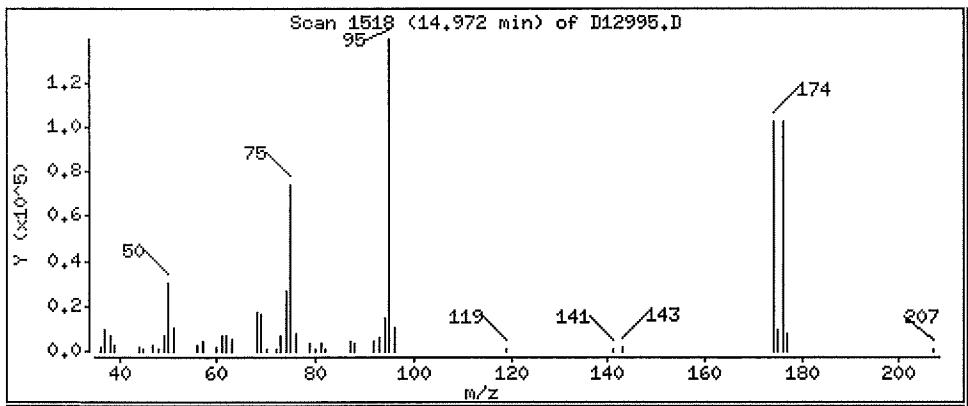
Operator: AD

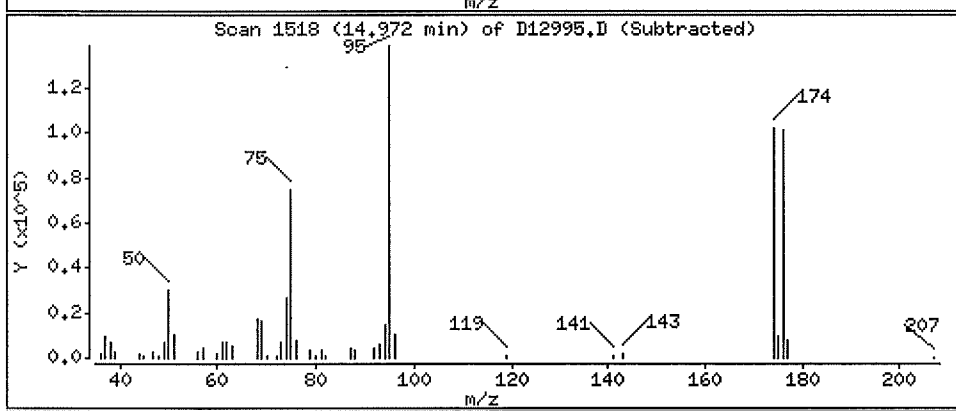
Column phase: J&W DB-624

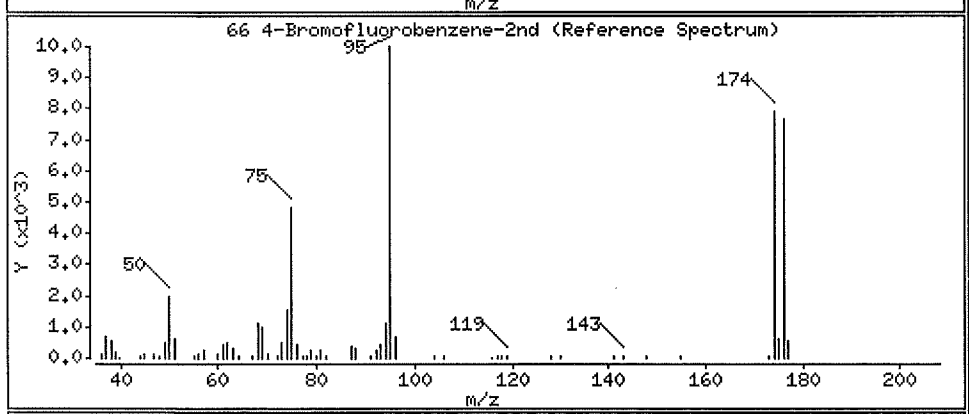
Column diameter: 0.53

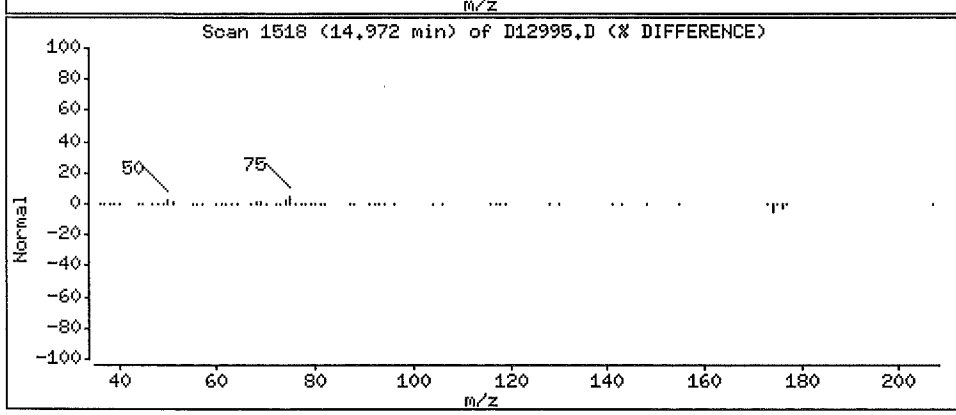
66 4-Bromofluorobenzene-2nd

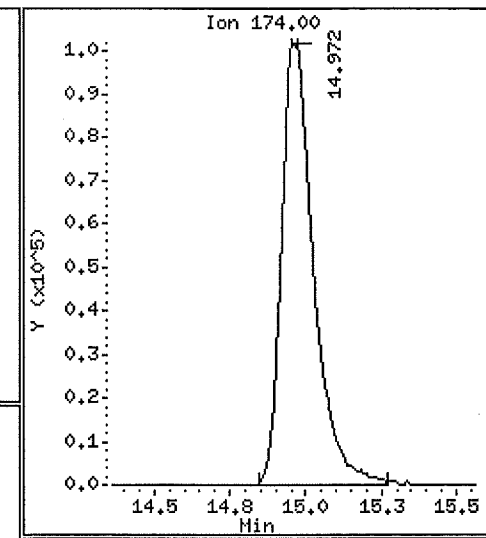
Concentration: 45.04 ug/Kg

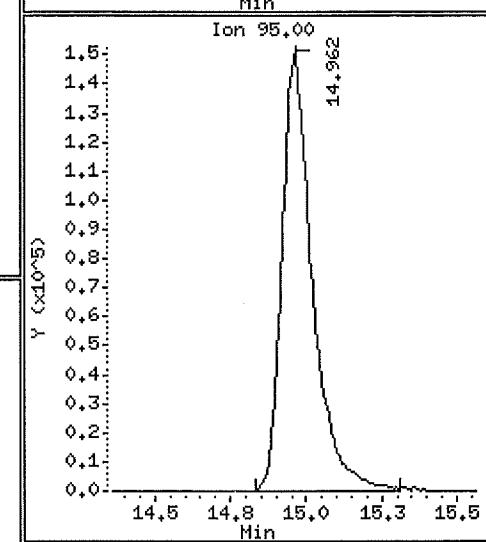


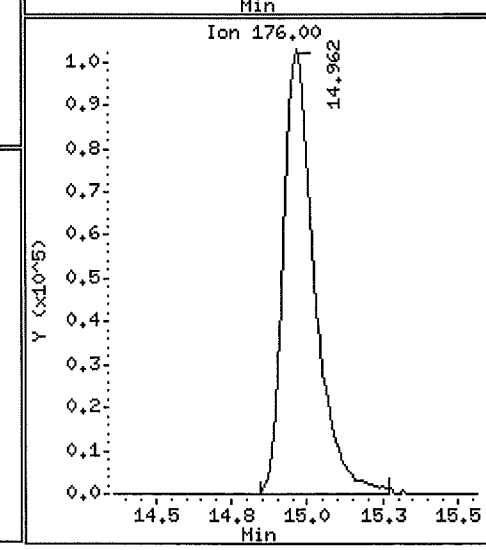












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12995.D

Date : 13-OCT-2000 23:27

Client ID: D12995

Instrument: md.i

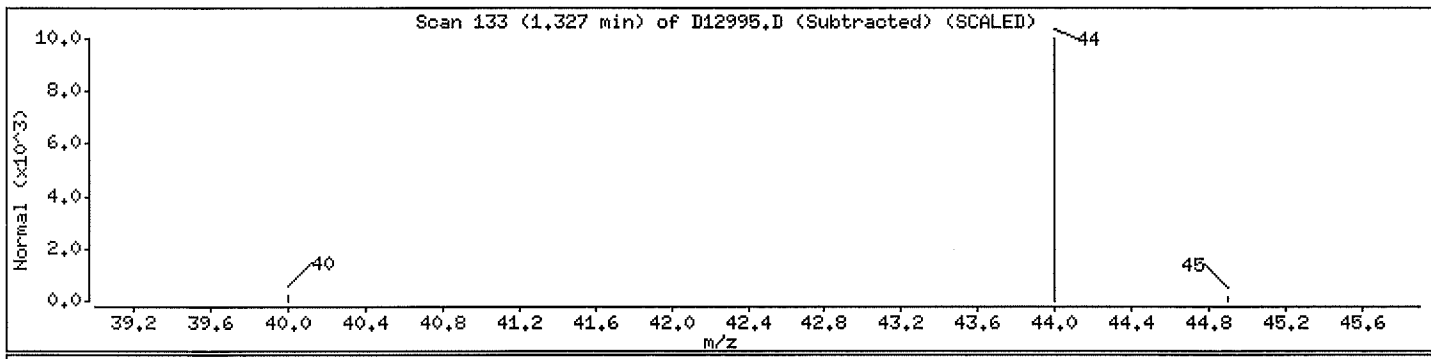
Sample Info: DLH3M101,,2,,0,1,0,8260BDA.M,D12995

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



COV

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12995.D

Date : 13-OCT-2000 23:27

Client ID: D12995 Instrument: md.i

Sample Info: DLH3M101,,2,,0,1,0,8260BDA.M,D12995

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
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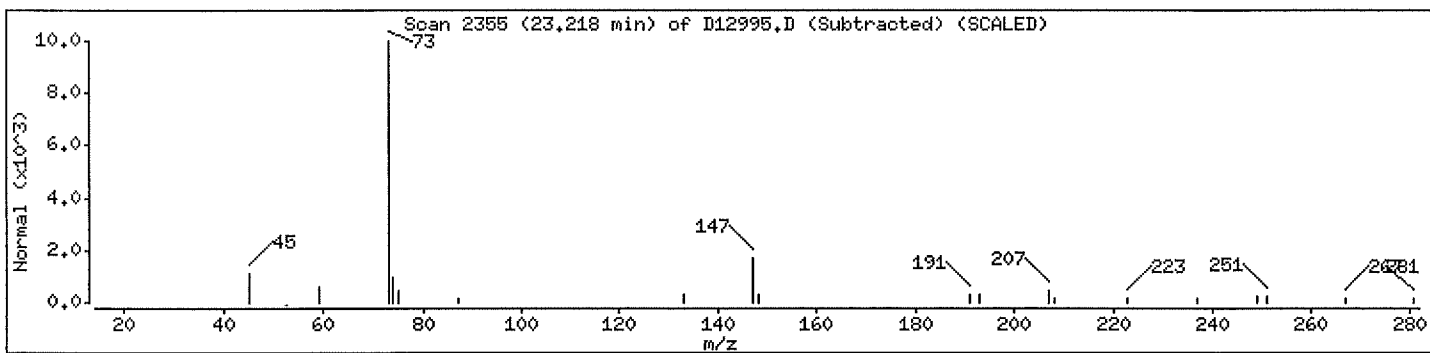
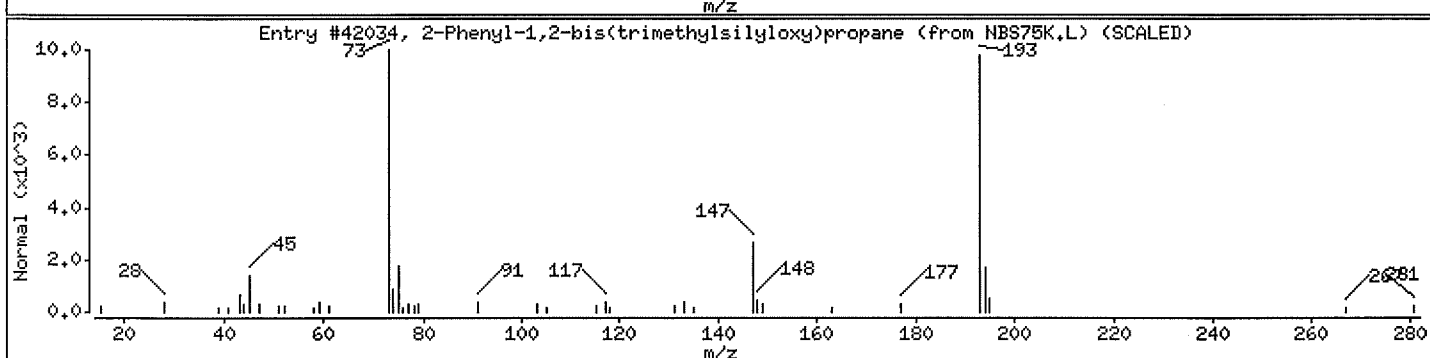




CAP BLEED

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D12997.D
Lab Smp Id: DLH3N101 Client Smp ID: D12997
Inj Date : 14-OCT-2000 00:31
Operator : AD Inst ID: md.i
Smp Info : DLH3N101,,2,,0,1,0,8260BDA.M,D12997
Misc Info : E0J040125-11,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.869	2.883	(0.404)	9630	6.36427	6.36
$ 29 Dibromofluoromethane	111	5.992	6.006	(0.844)	833602	42.8786	42.88
$ 33 1,2-Dichloroethane-d4	65	6.534	6.529	(0.921)	654338	49.8644	49.86
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.529	(0.919)	126745	47.8750	47.88
* 38 Fluorobenzene	96	7.096	7.100	(1.000)	1366783	50.0000	
$ 47 Toluene-d8	98	9.923	9.928	(0.786)	1335638	44.6111	44.61
* 56 Chlorobenzene-d5	117	12.623	12.617	(1.000)	1293303	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.967	14.962	(0.866)	809627	43.8144	43.81
$ 67 4-Bromofluorobenzene	95	14.958	14.962	(0.865)	1103974	44.7624	44.76
* 79 1,4-Dichlorobenzene-d4	152	17.283	17.277	(1.000)	928013	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D12997.D
Lab Smp Id: DLH3N101 Client Smp ID: D12997
Inj Date : 14-OCT-2000 00:31
Operator : AD Inst ID: md.i
Smp Info : DLH3N101,,2,,0,1,0,8260BDA.M,D12997
Misc Info : E0J040125-11,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.096	3267626	50.000
* 79 1,4-Dichlorobenzene-d4	17.283	5683641	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.322	617048	9.44184378	9.44	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.795	633317	5.57140521	5.57	72	NBS75K.L	41966	79

RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Ethanedioic acid, bis(trimethylsilyl) es					CAS #: 18294-04-7		
23.204	1503503	13.2265810	13.23	53	NBS75K.L	71005	79

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12997.D

Date : 14-OCT-2000 00:31

Client ID: D12997

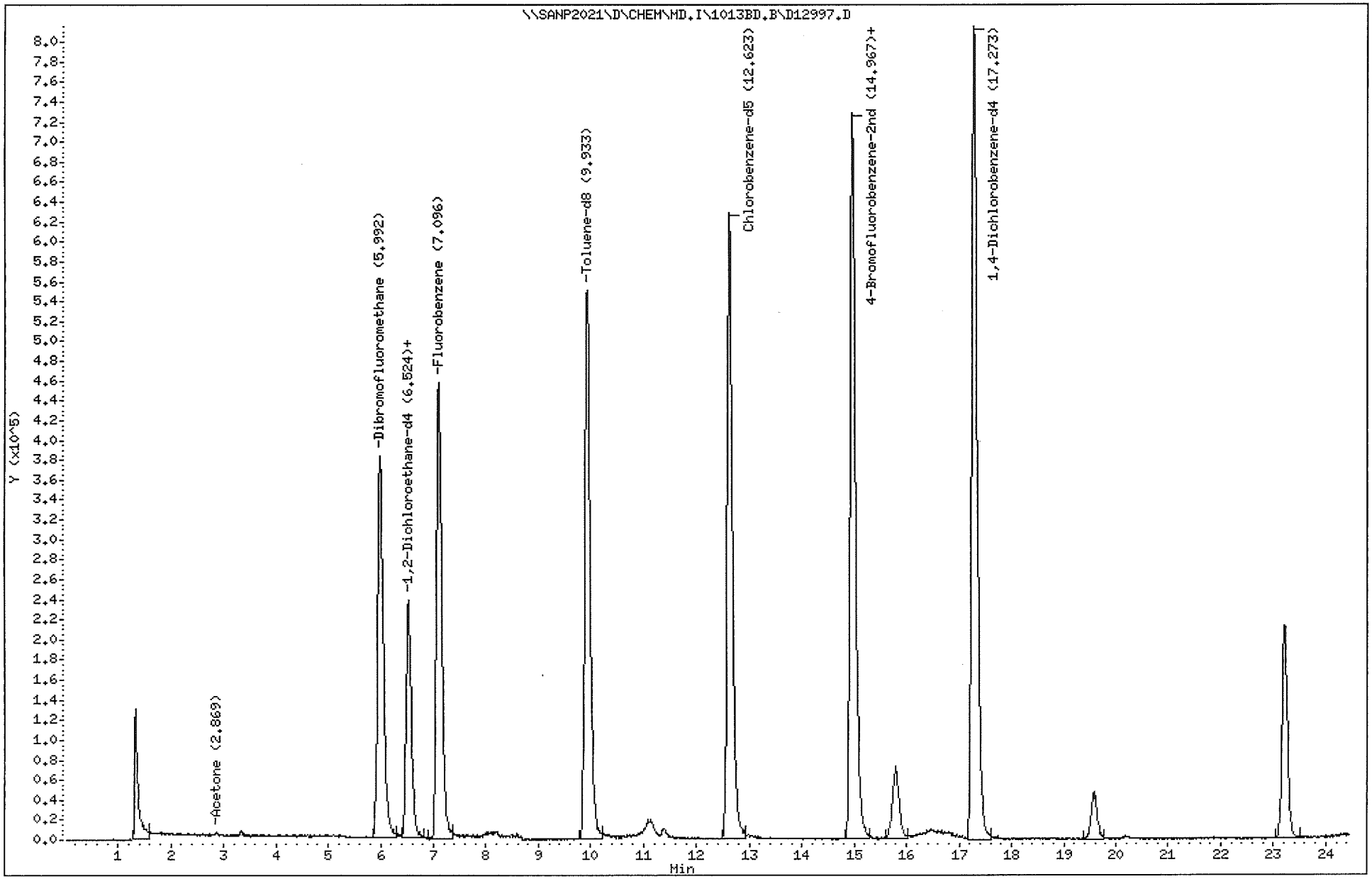
Sample Info: DLH3N101,,2,,0,1,0,8260BDA.M,D12997

Column phase: J&W DB-624

Instrument: md.i

Operator: AD

Column diameter: 0.53



000481

BOE-C6-0155146

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12997.D

Date : 14-OCT-2000 00:31

Client ID: D12997

Instrument: md.i

Sample Info: DLH3N101,,2,,0,1,0,8260BDA.M,D12997

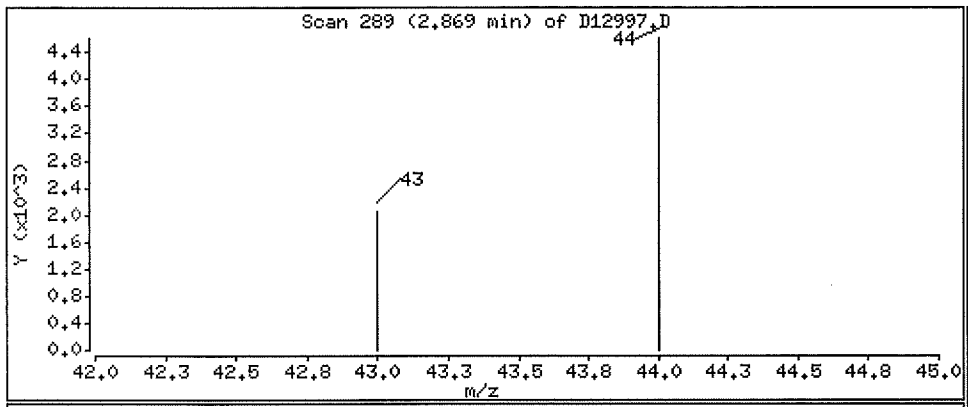
Operator: AD

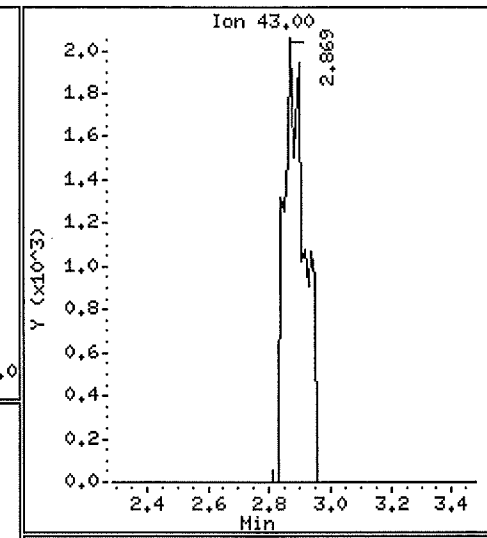
Column phase: J&W DB-624

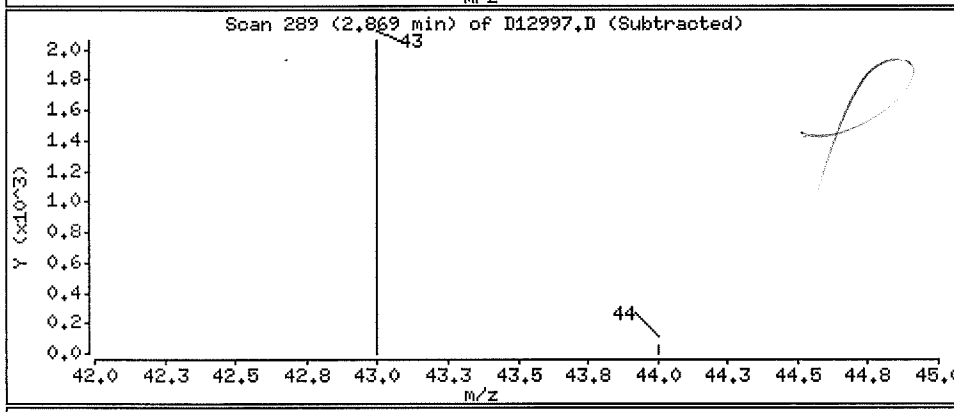
Column diameter: 0.53

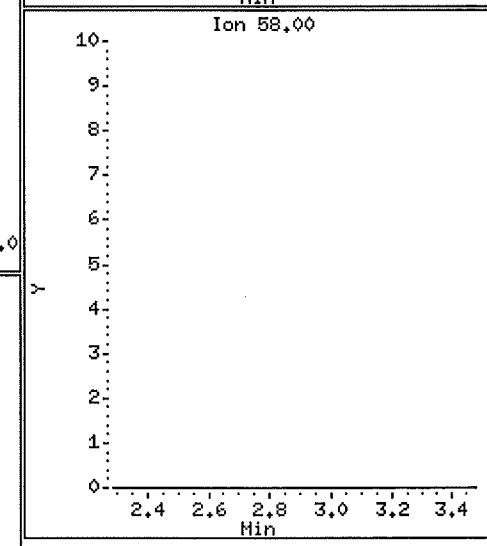
10 Acetone

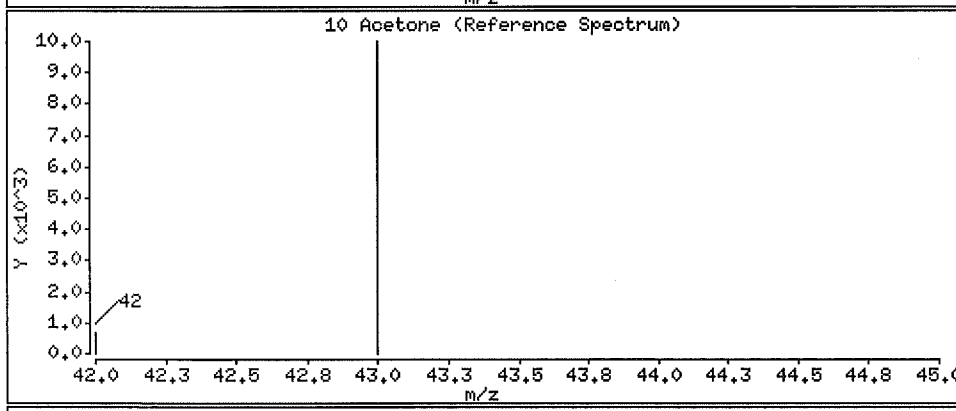
Concentration: 6.36 ug/Kg

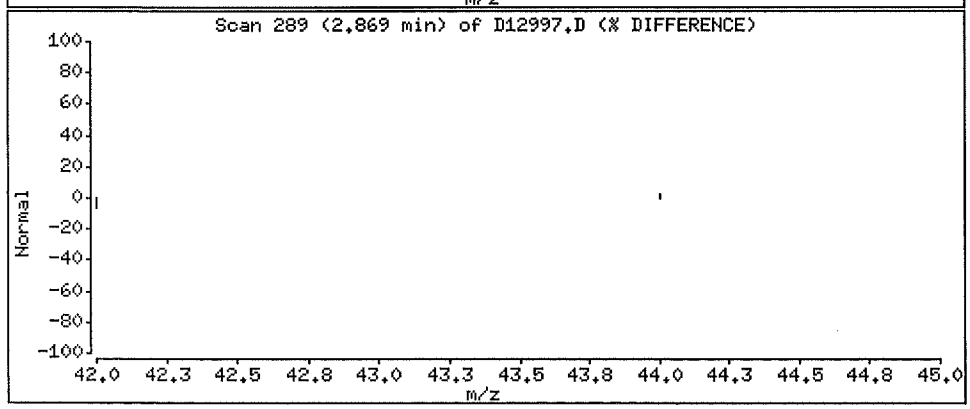












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12997.D

Date : 14-OCT-2000 00:31

Client ID: D12997

Instrument: md.i

Sample Info: DLH3N101,,2,,0,1,0,8260BDA.M,D12997

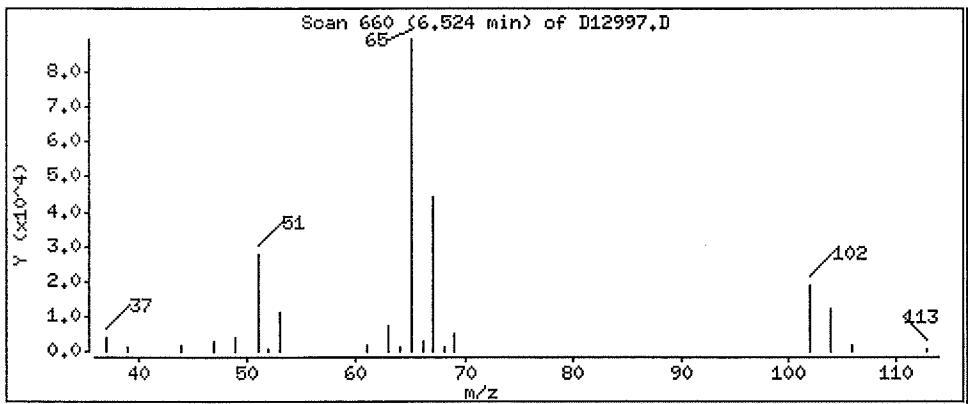
Operator: AD

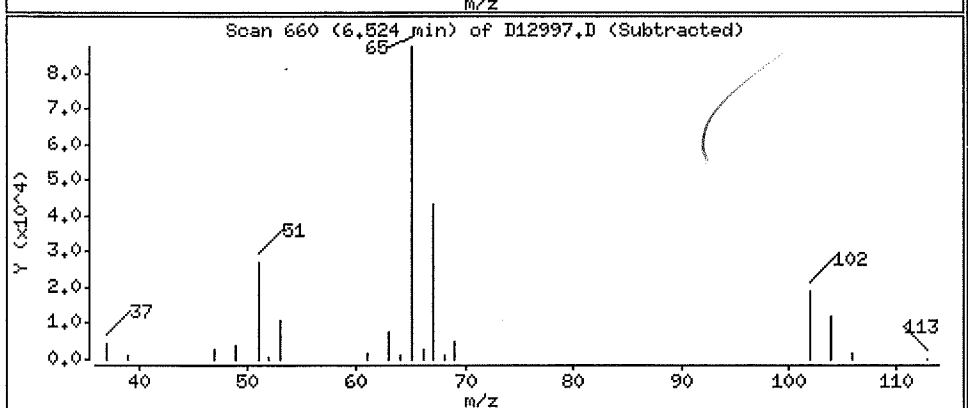
Column phase: J&W DB-624

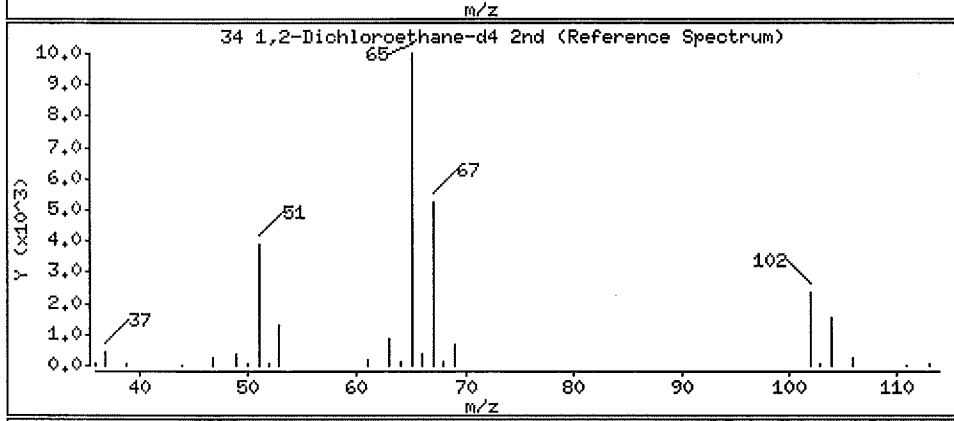
Column diameter: 0.53

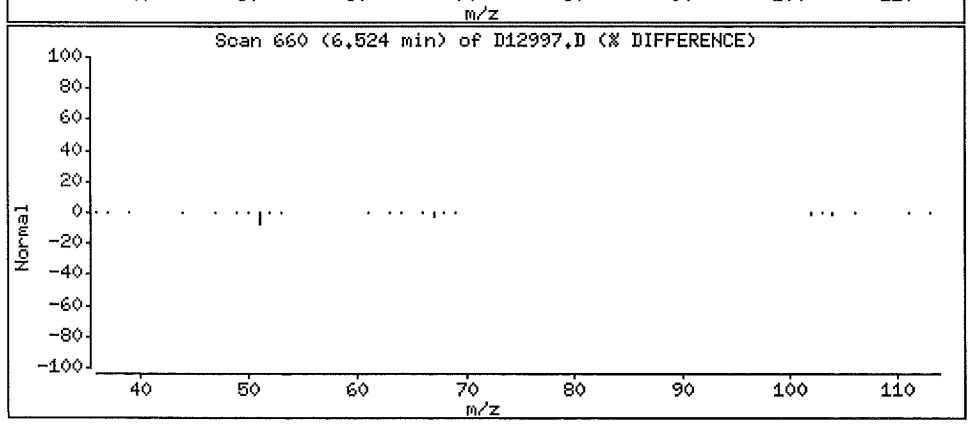
34 1,2-Dichloroethane-d4 2nd

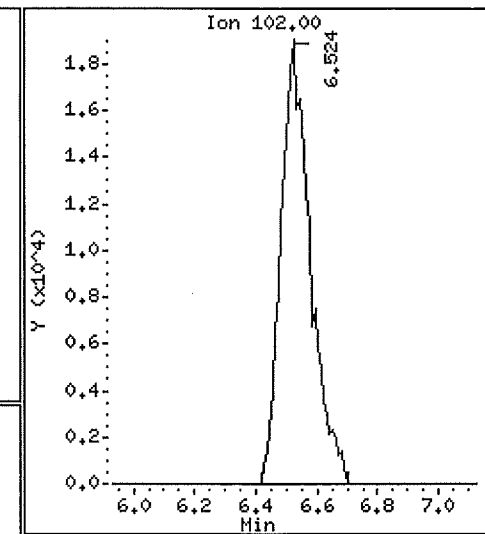
Concentration: 47.88 ug/Kg

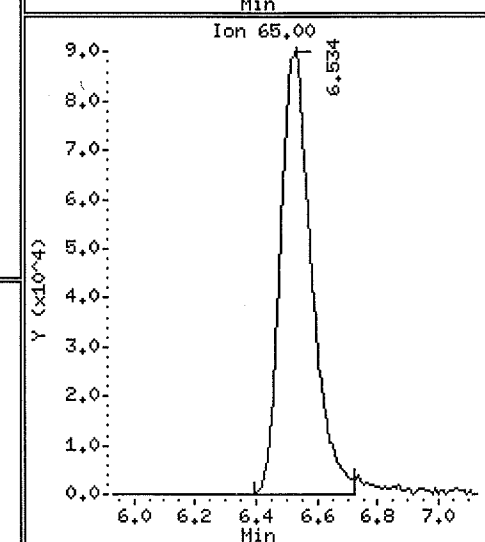












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12997.D

Date : 14-OCT-2000 00:31

Client ID: D12997

Instrument: md.i

Sample Info: DLH3N101,,2,,0,1,0,8260BDA.M,D12997

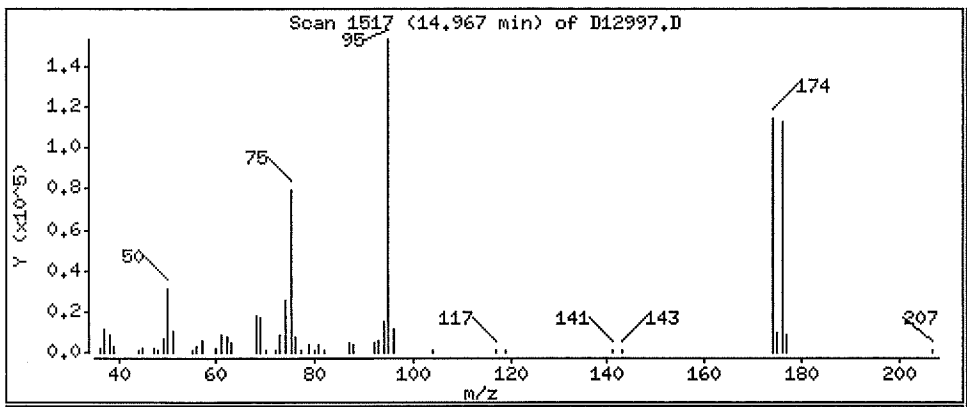
Operator: AD

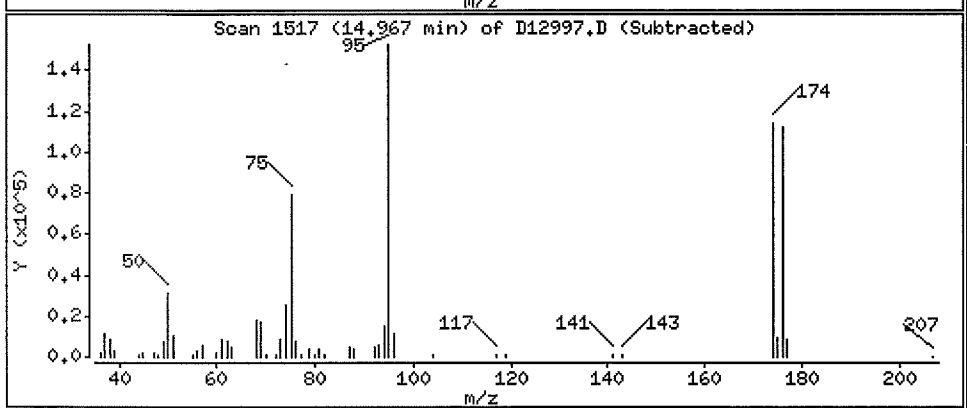
Column phase: J&W DB-624

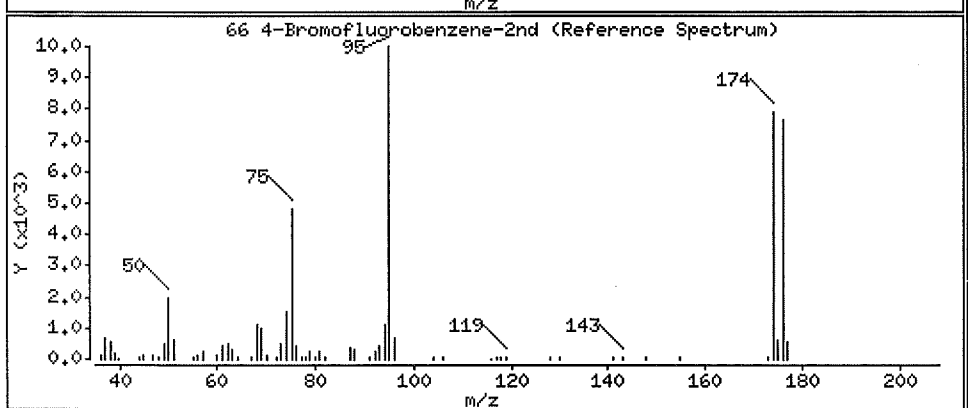
Column diameter: 0.53

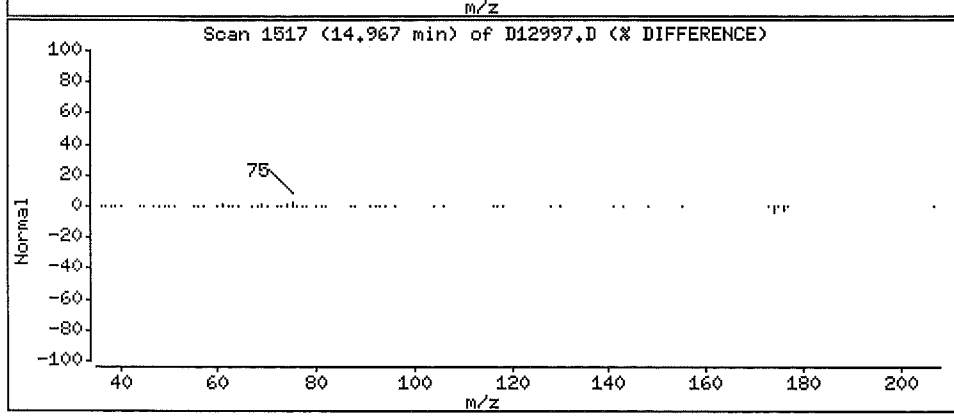
66 4-Bromofluorobenzene-2nd

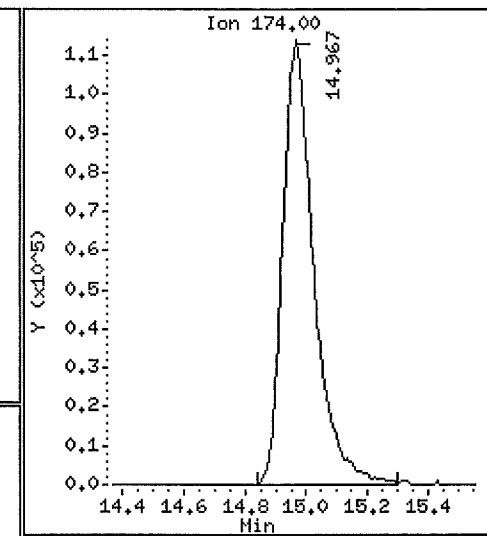
Concentration: 43.81 ug/Kg

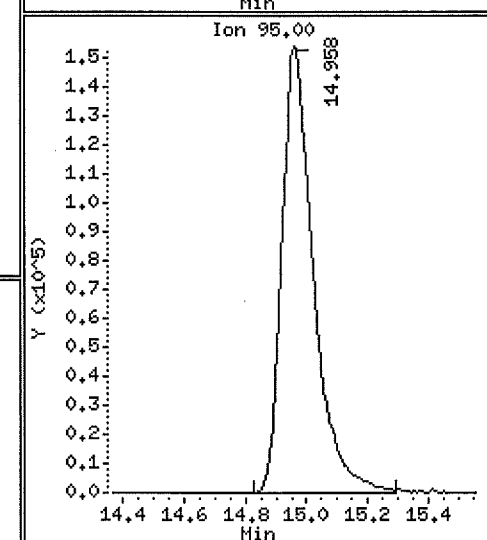


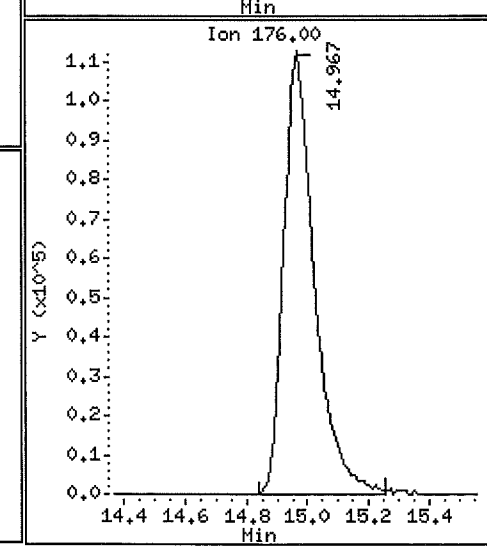












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12997.D

Date : 14-OCT-2000 00:31

Client ID: D12997

Instrument: md.i

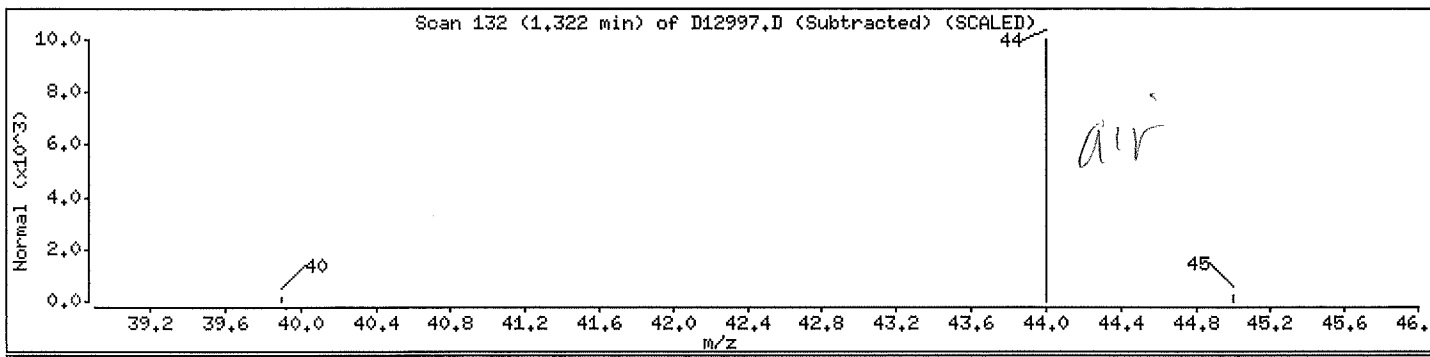
Sample Info: DLH3N101,,2,,0,1,0,8260BDA.M,D12997

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12997.D

Date : 14-OCT-2000 00:31

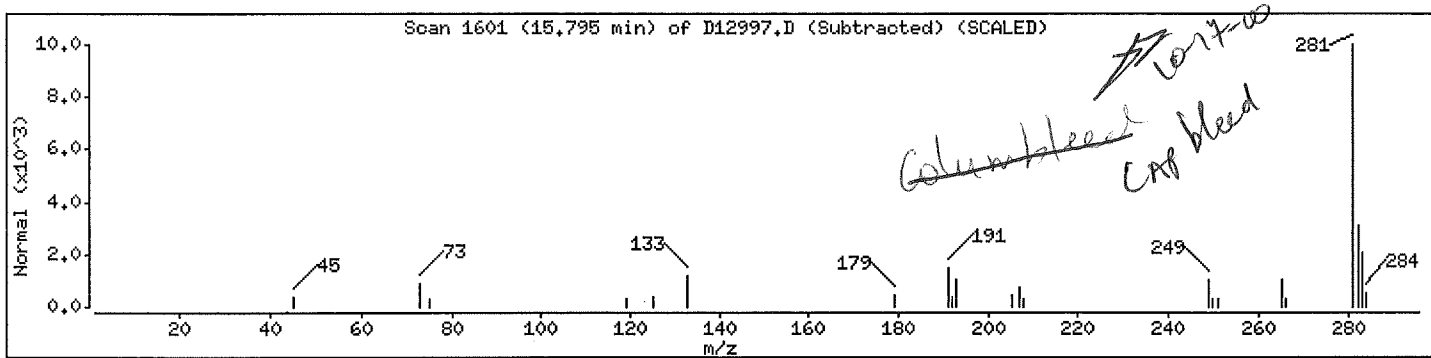
Client ID: D12997 Instrument: md.i

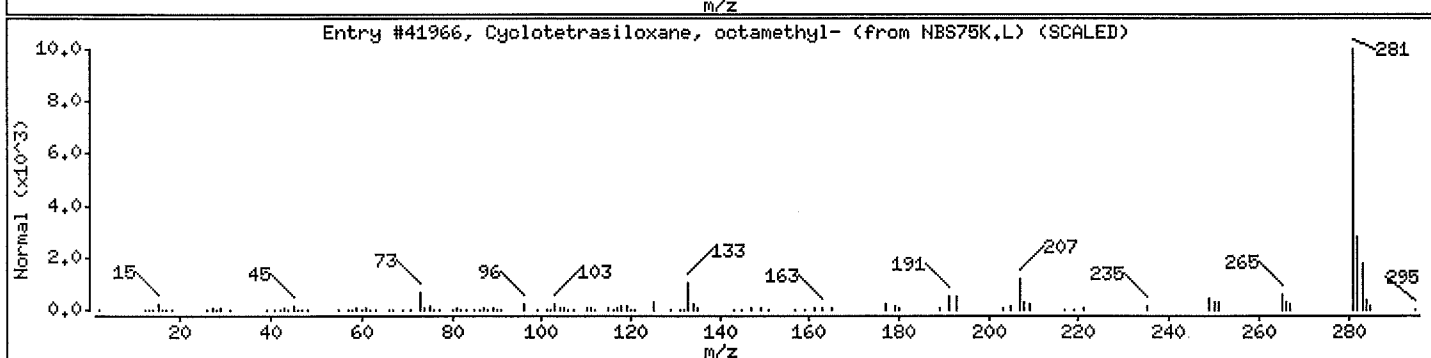
Sample Info: DLH3N101,,2,,0,1,0,8260BDA.M,D12997

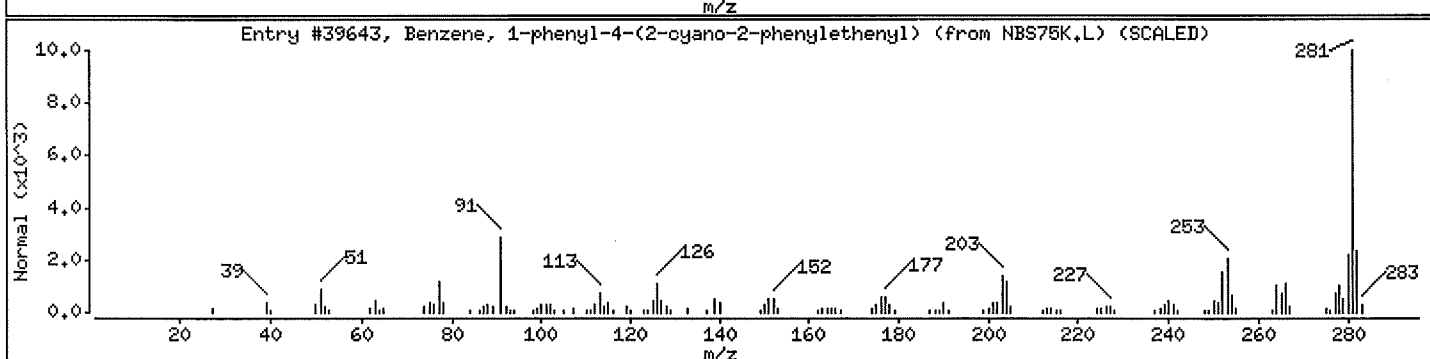
Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	72	C8H24O4Si4	296
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	NBS75K.L	39643	25	C21H15N	281







Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12997.D

Date : 14-OCT-2000 00:31

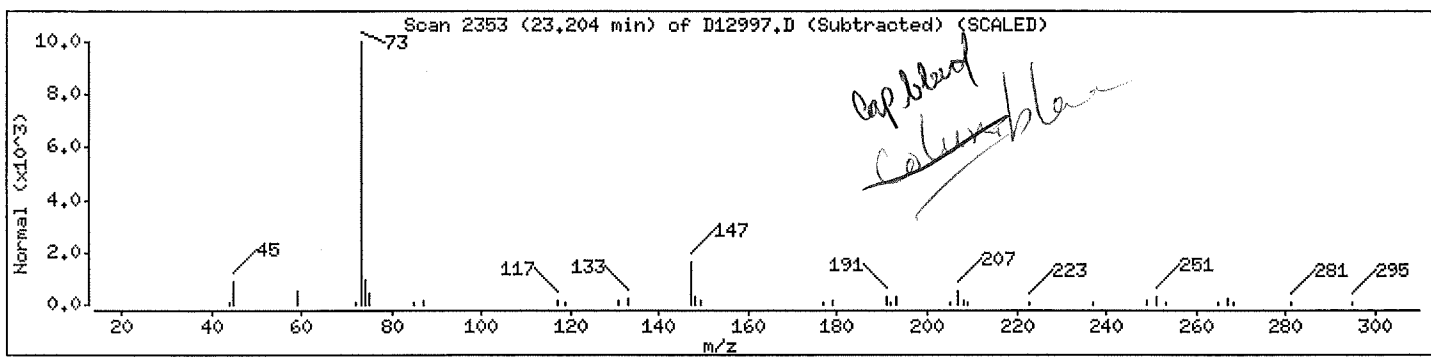
Client ID: D12997 Instrument: md.i

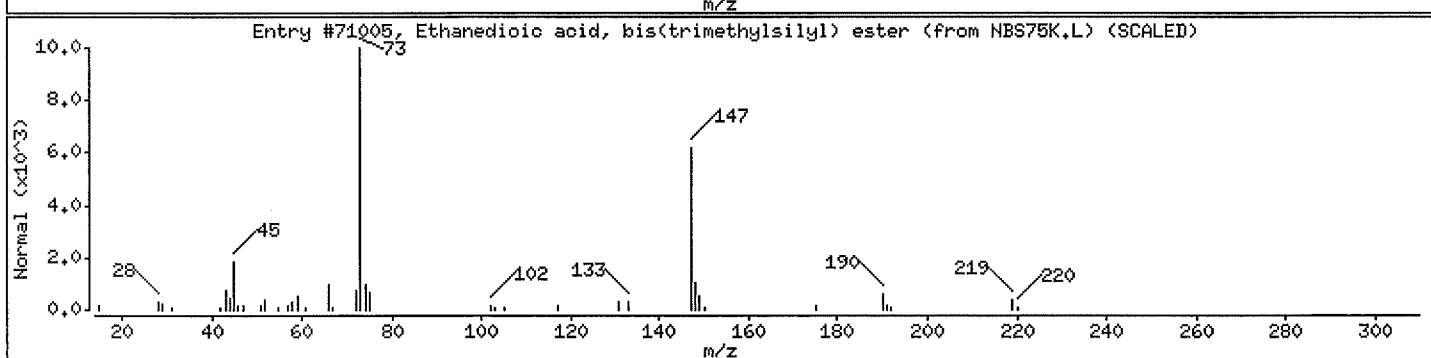
Sample Info: DLH3N101,,2,,0,1,0,8260BDA.M,D12997

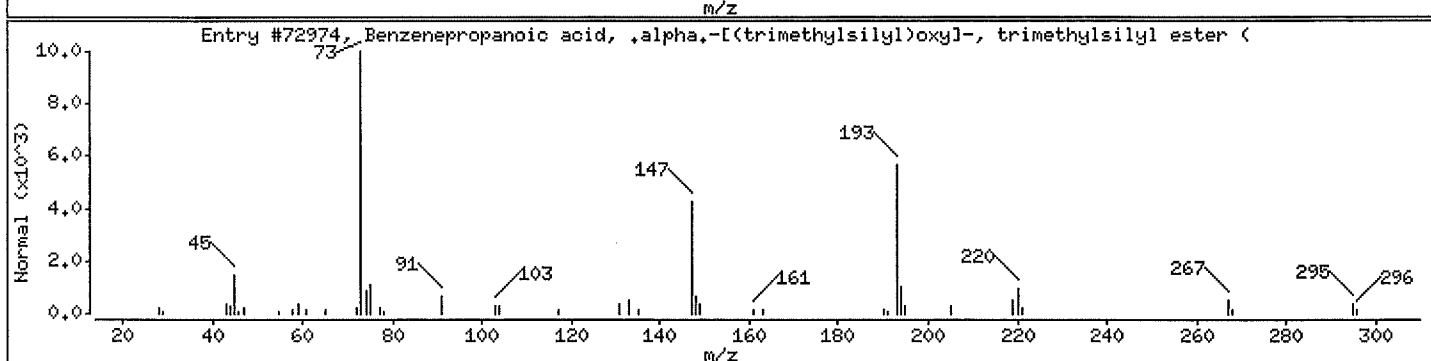
Operator: AD

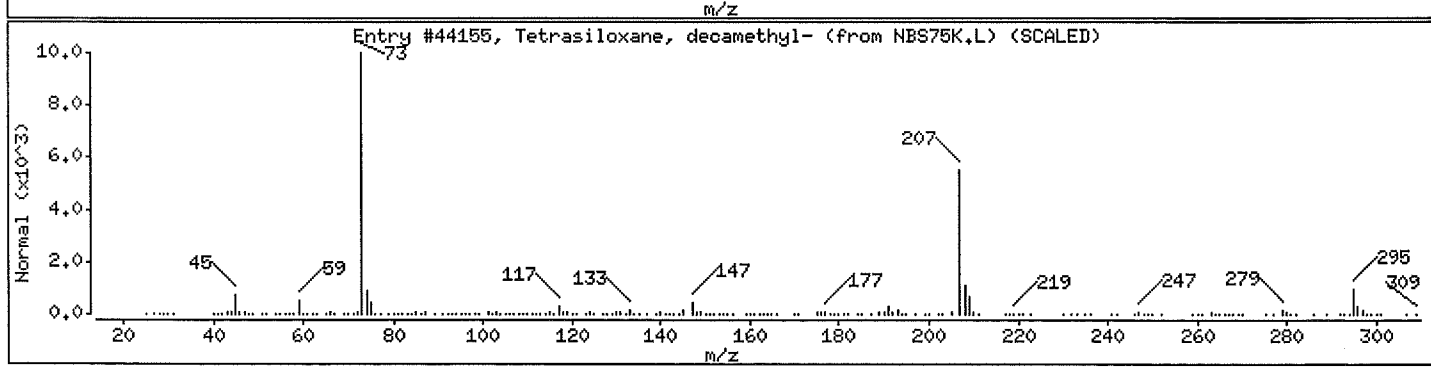
Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethanedioic acid, bis(trimethylsilyl) es	18294-04-7	NBS75K.L	71005	53	C8H18O4Si2	234
Benzenepropanoic acid, .alpha.-[(trimeth	27750-45-4	NBS75K.L	72974	38	C15H26O3Si2	310
Tetrasiloxane, decamethyl-	141-62-8	NBS75K.L	44155	36	C10H30O3Si4	310









STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D12998.D
Lab Smp Id: DLH3T101 Client Smp ID: D12998
Inj Date : 14-OCT-2000 01:03
Operator : AD Inst ID: md.i
Smp Info : DLH3T101,,2,,0,1,0,8260BDA.M,D12998
Misc Info : E0J040125-12,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.867	2.883	(0.404)	14655	9.91102	9.91
$ 29 Dibromofluoromethane	111	5.990	6.006	(0.843)	825970	43.4762	43.48
$ 33 1,2-Dichloroethane-d4	65	6.532	6.529	(0.920)	628816	49.0363	49.04
34 1,2-Dichloroethane-d4 2nd	102	6.542	6.529	(0.921)	118843	45.9368	45.94
* 38 Fluorobenzene	96	7.103	7.100	(1.000)	1335653	50.0000	
$ 47 Toluene-d8	98	9.931	9.928	(0.786)	1294319	45.3795	45.38
* 56 Chlorobenzene-d5	117	12.630	12.617	(1.000)	1232072	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.965	14.962	(0.866)	779828	43.7443	43.74
$ 67 4-Bromofluorobenzene	95	14.965	14.962	(0.866)	1082675	45.5034	45.50
* 79 1,4-Dichlorobenzene-d4	152	17.280	17.277	(1.000)	895290	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D12998.D
Lab Smp Id: DLH3T101 Client Smp ID: D12998
Inj Date : 14-OCT-2000 01:03
Operator : AD Inst ID: md.i
Smp Info : DLH3T101,,2,,0,1,0,8260BDA.M,D12998
Misc Info : E0J040125-12,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.103	3174454	50.000
* 79 1,4-Dichlorobenzene-d4	17.280	5473563	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.320	611248	9.62761495	9.63	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.803	704399	6.43455855	6.43	83	NBS75K.L	41966	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH3T101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12998
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.320	9.63	J
2. 556-67-2	Cyclotetrasiloxane, octamet	15.803	6.43	NJ

cor blank

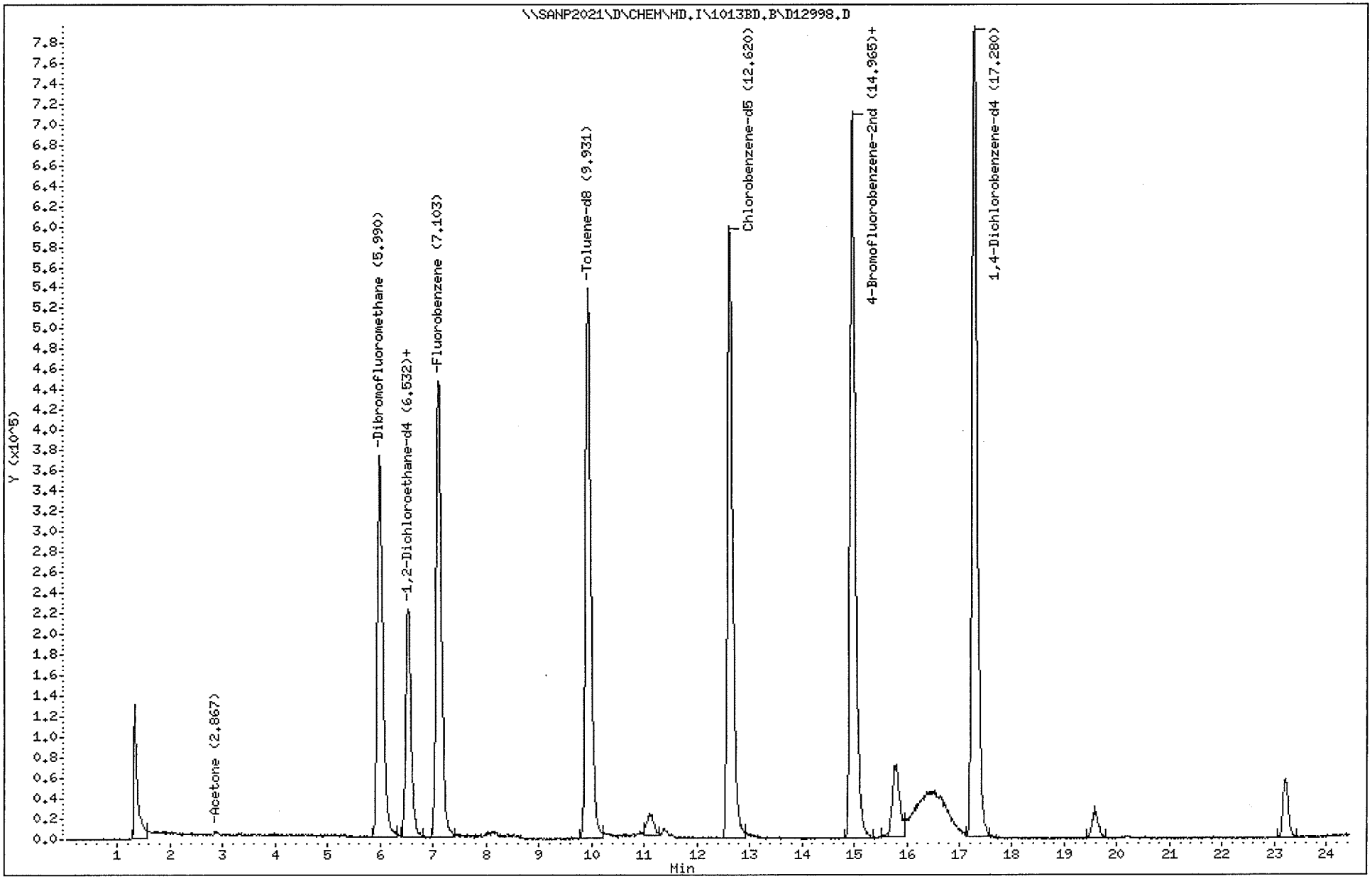
Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12998.D
Date : 14-OCT-2000 01:03
Client ID: D12998
Sample Info: DLH3T101,,2,,0,1,0,8260BDA.M,D12998

Instrument: md.i

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



000492

BOE-C6-0155157

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12998.D

Date : 14-OCT-2000 01:03

Client ID: D12998

Instrument: md.i

Sample Info: DLH3T101,,2,,0,1,0,8260BDA.M,D12998

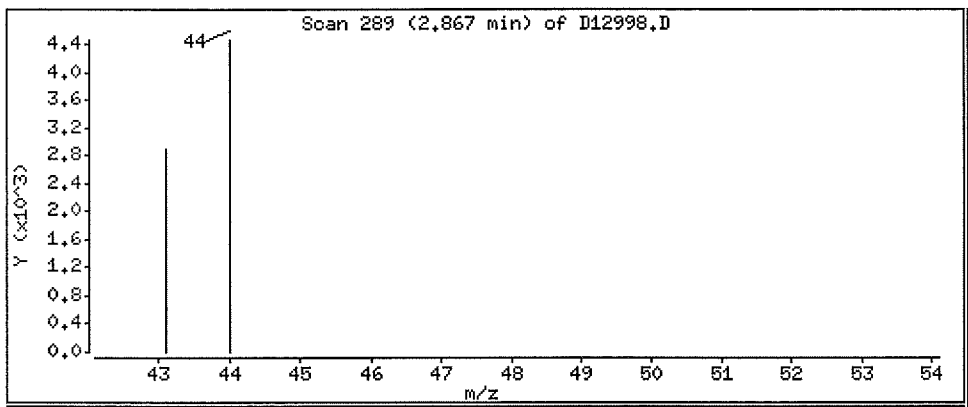
Operator: AD

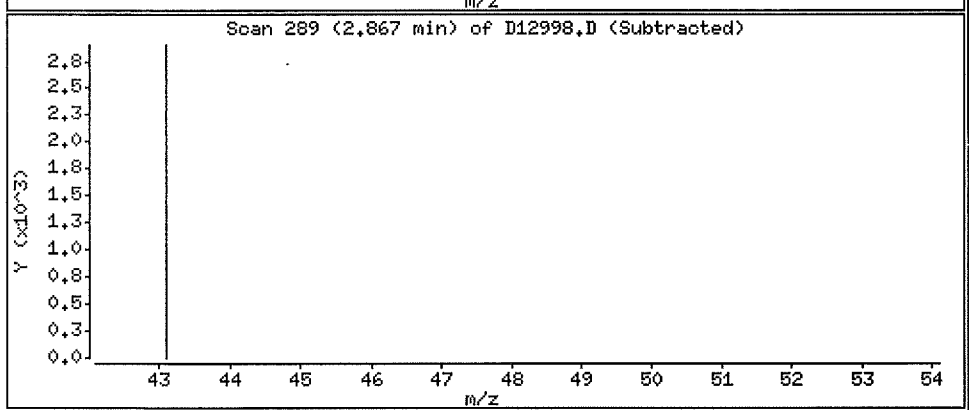
Column phase: J&W DB-624

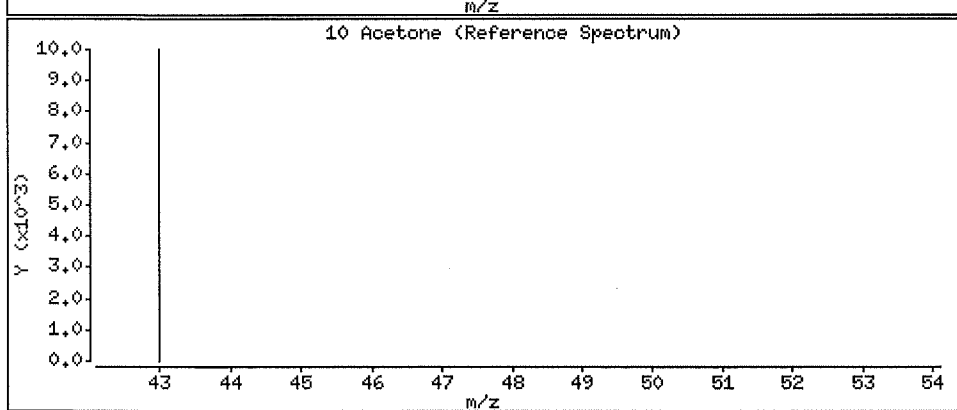
Column diameter: 0.53

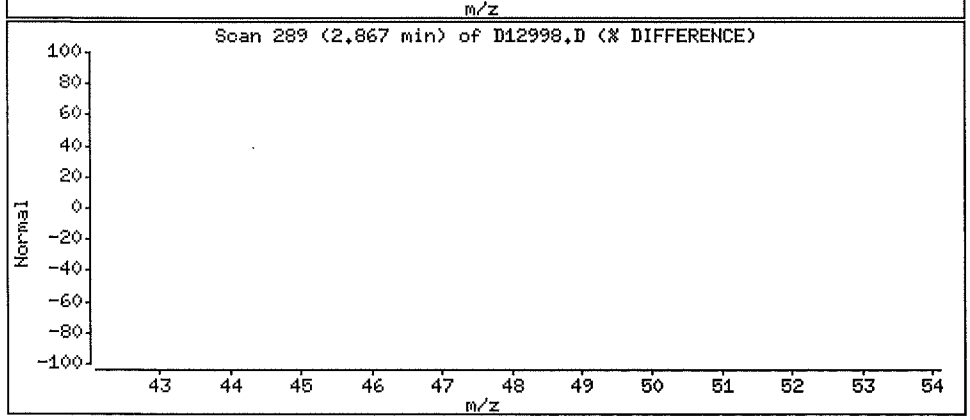
10 Acetone

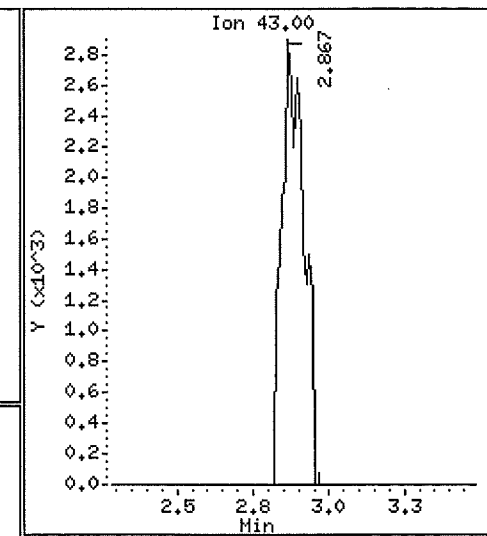
Concentration: 9.91 ug/Kg

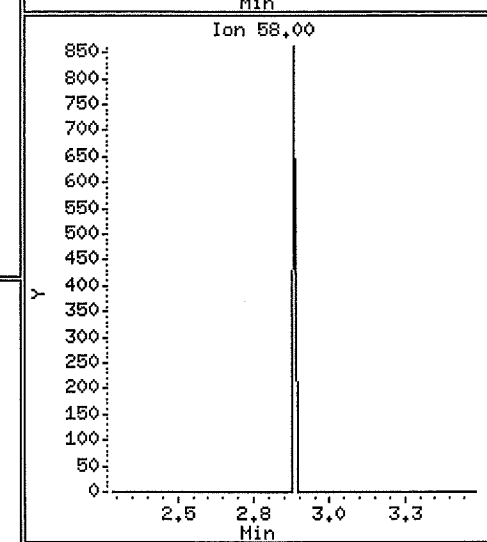












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12998.D

Date : 14-OCT-2000 01:03

Client ID: D12998

Instrument: md.i

Sample Info: DLH3T101,,2,,0,1,0,8260BDA.M,D12998

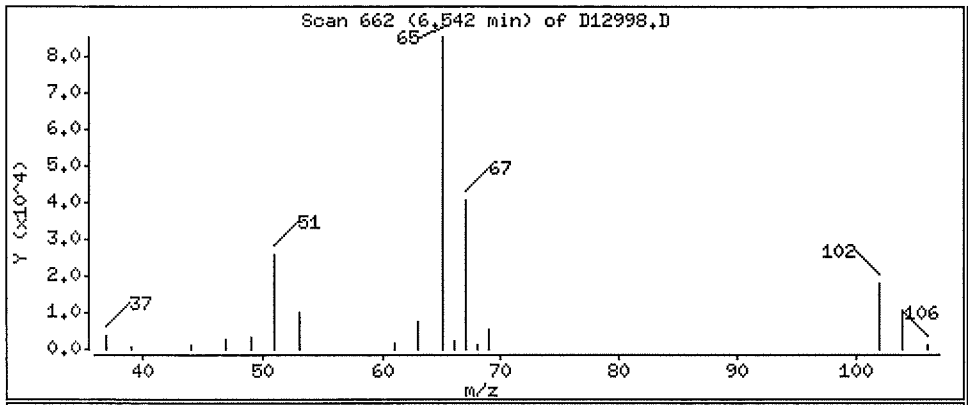
Operator: AD

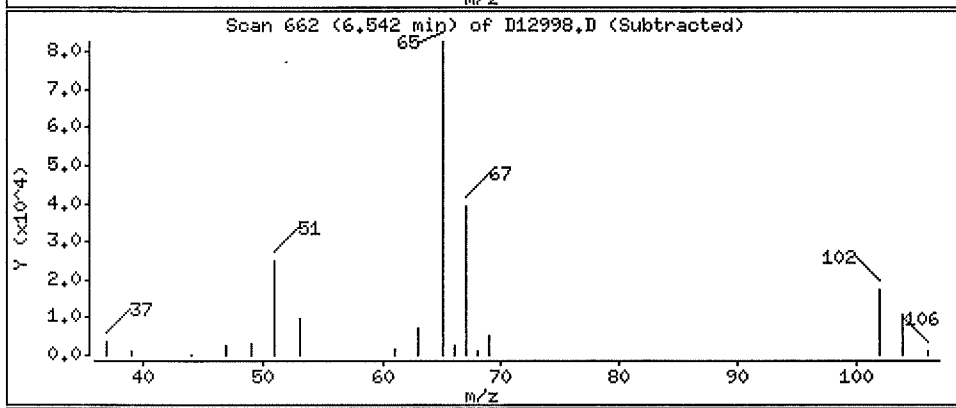
Column phase: J&W DB-624

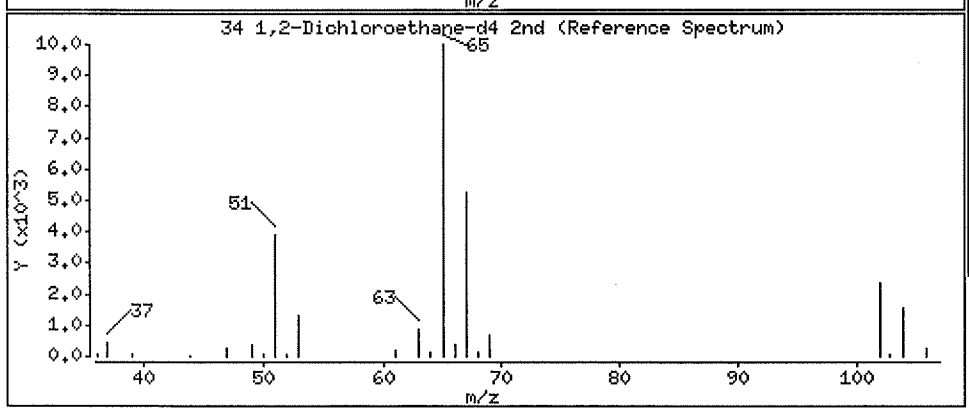
Column diameter: 0.53

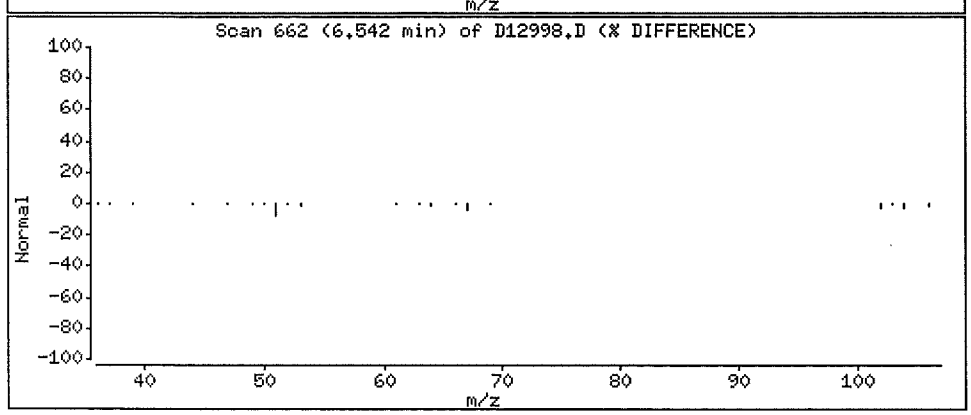
34 1,2-Dichloroethane-d4 2nd

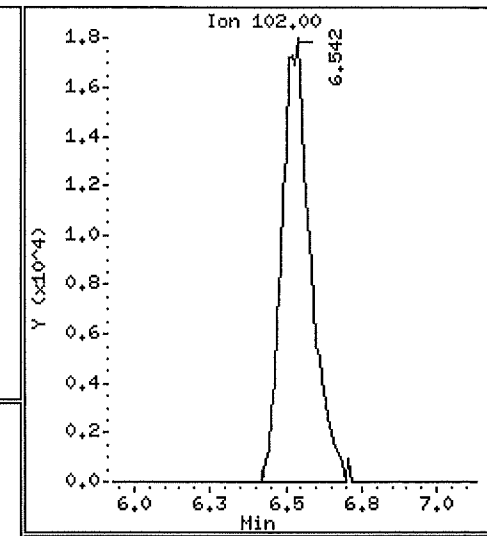
Concentration: 45.94 ug/Kg

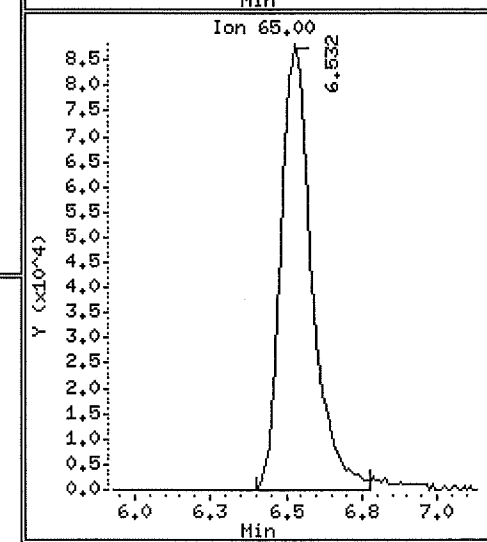












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12998.D

Date : 14-OCT-2000 01:03

Client ID: D12998

Instrument: md.i

Sample Info: DLH3T101,,2,,0,1,0,8260BDA.M,D12998

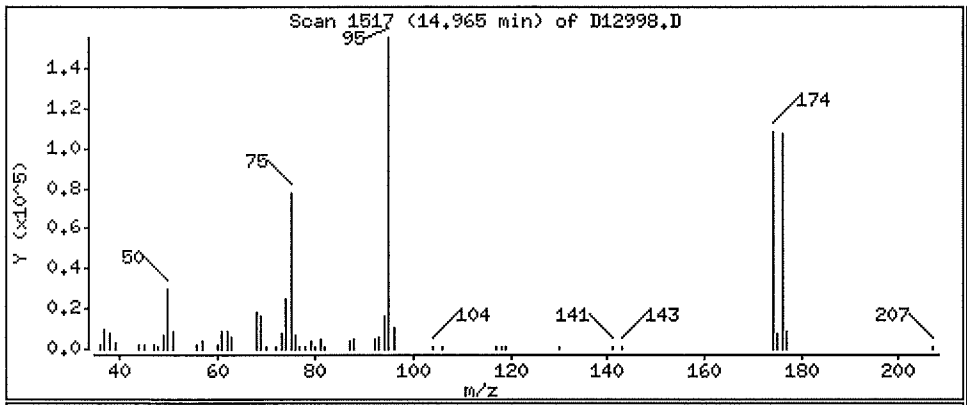
Operator: AD

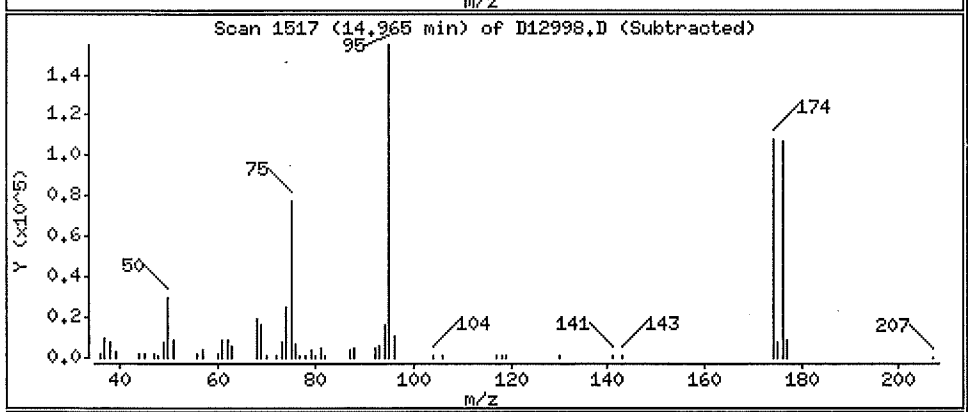
Column phase: J&W DB-624

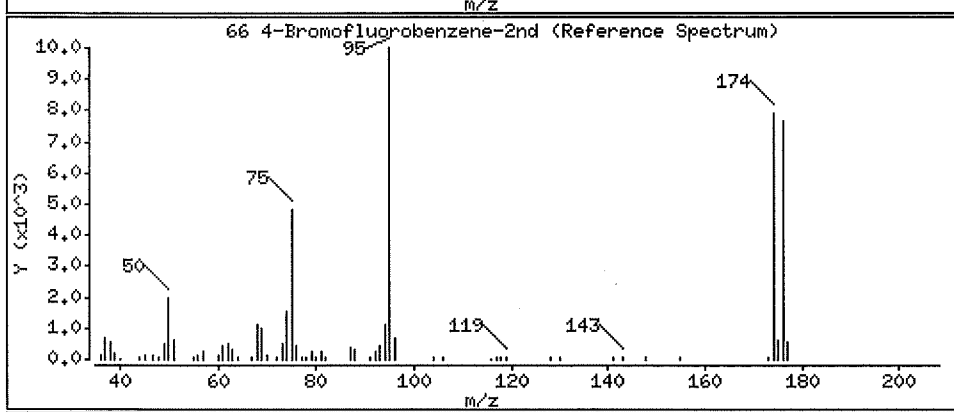
Column diameter: 0.53

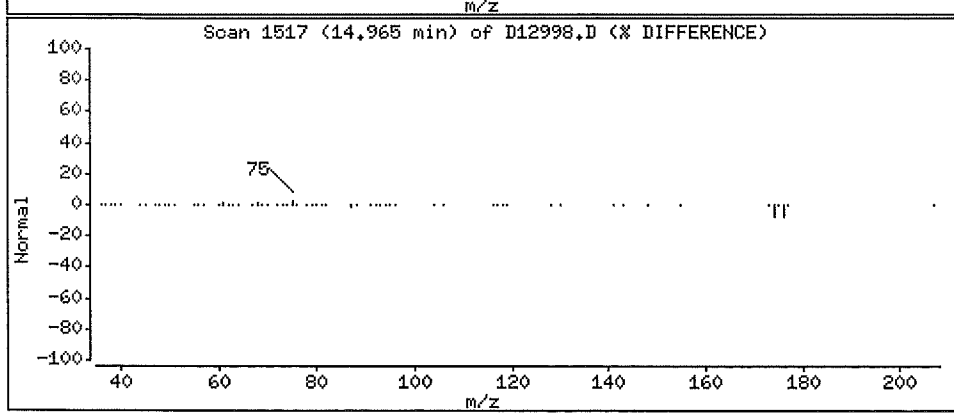
66 4-Bromofluorobenzene-2nd

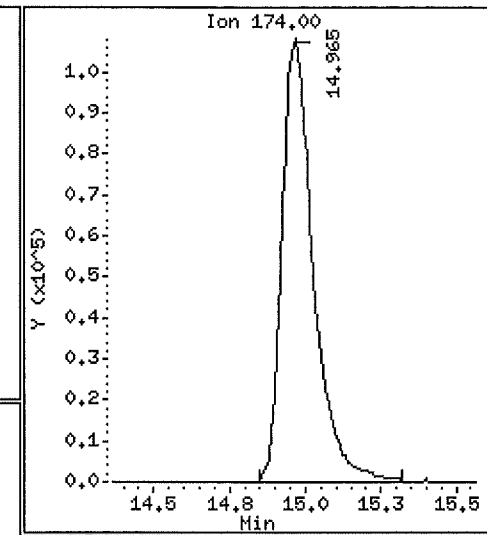
Concentration: 43.74 ug/Kg

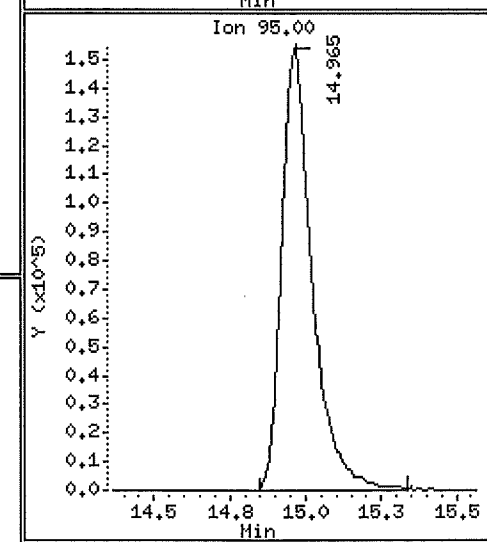


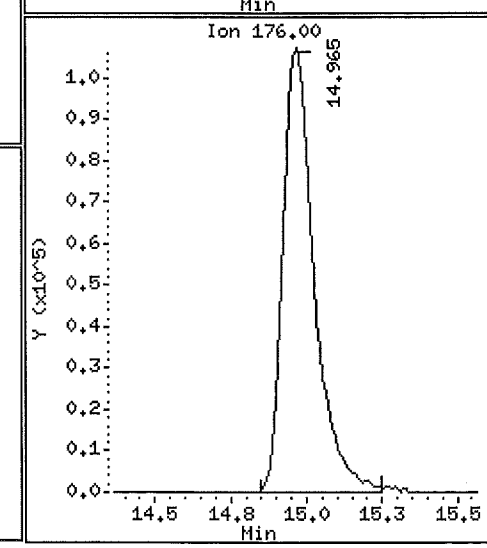












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12998.D

Date : 14-OCT-2000 01:03

Client ID: D12998

Instrument: md.i

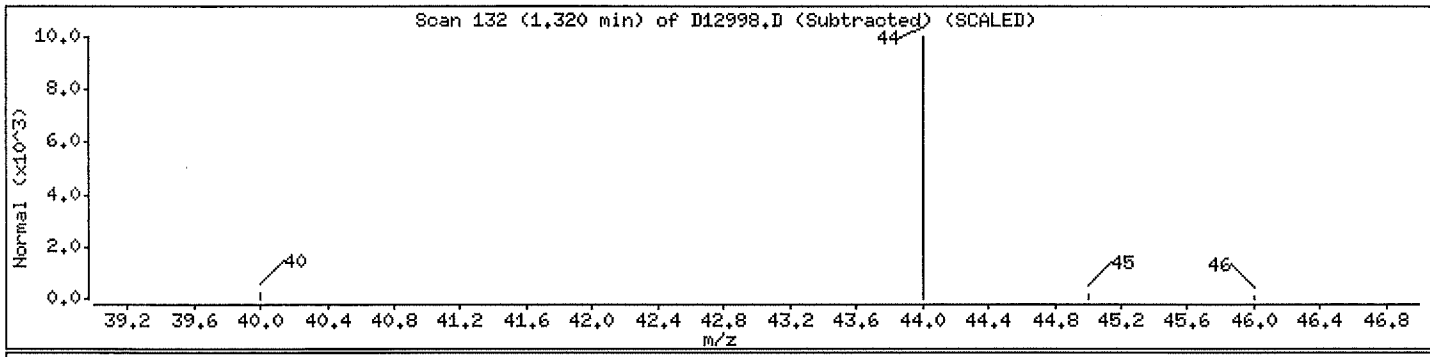
Sample Info: DLH3T101,,2,,0,1,0,8260BDA.M,D12998

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO_2

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D12998.D

Date : 14-OCT-2000 01:03

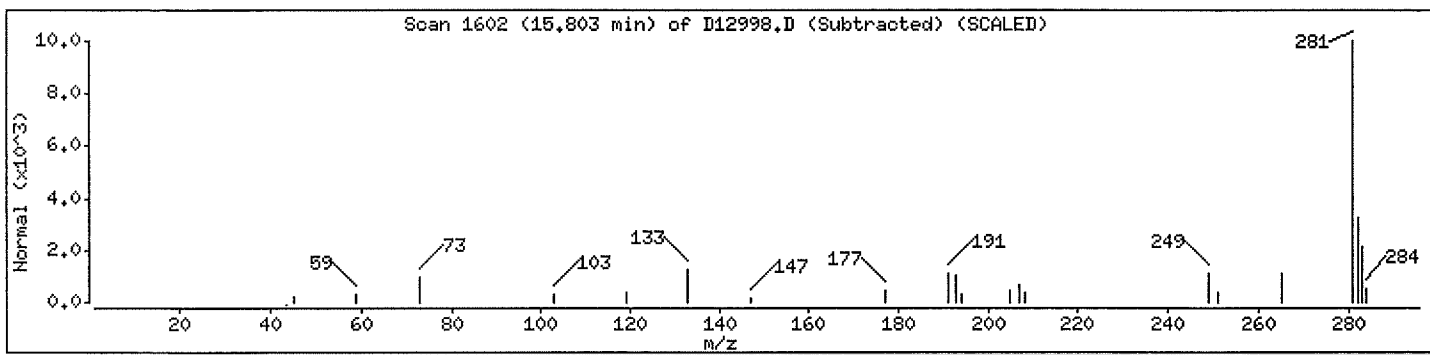
Client ID: D12998 Instrument: md.i

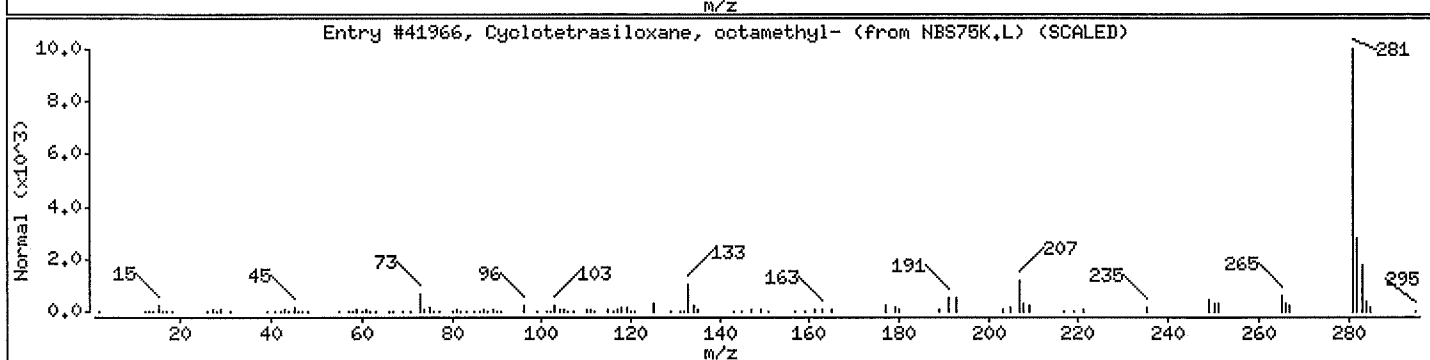
Sample Info: DLH3T101,,2,,0,1,0,8260BDA.M,D12998

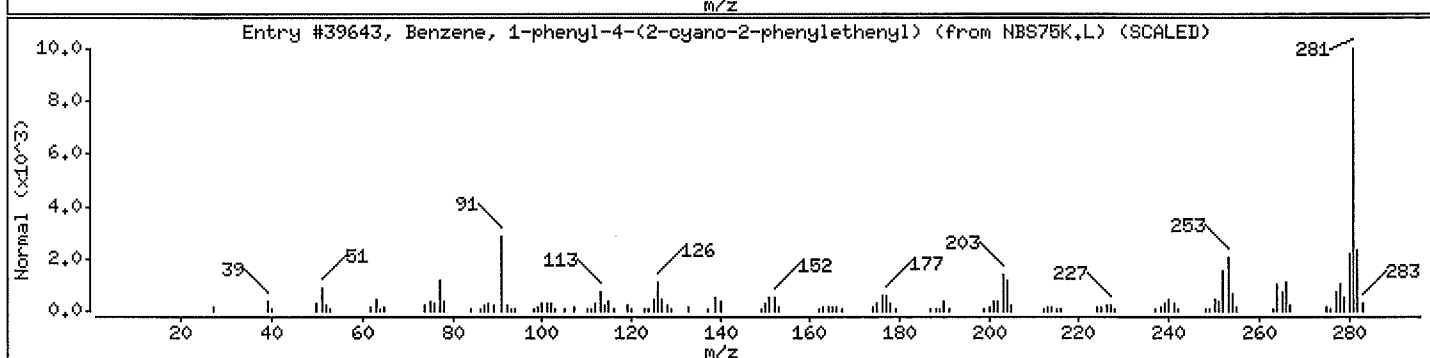
Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	83	C8H24O4Si4	296
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	NBS75K.L	39643	50	C21H15N	281







CAP bleed

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13001.D
Lab Smp Id: DLH3W101 Client Smp ID: D13001
Inj Date : 14-OCT-2000 02:39
Operator : AD Inst ID: md.i
Smp Info : DLH3W101,,2,,0,1,0,8260BDA.M,D13001
Misc Info : E0J040125-13,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.850	2.883	(0.401)	11568	7.85099	7.85
$ 29 Dibromofluoromethane	111	5.993	6.006	(0.843)	834780	44.0952	44.10
$ 33 1,2-Dichloroethane-d4	65	6.535	6.529	(0.920)	638013	49.9294	49.93
34 1,2-Dichloroethane-d4 2nd	102	6.525	6.529	(0.918)	119666	46.4180	46.42
* 38 Fluorobenzene	96	7.106	7.100	(1.000)	1330950	50.0000	
$ 47 Toluene-d8	98	9.934	9.928	(0.788)	1283104	44.7521	44.75
* 56 Chlorobenzene-d5	117	12.614	12.617	(1.000)	1238519	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.959	14.962	(0.865)	771917	45.2058	45.20
$ 67 4-Bromofluorobenzene	95	14.969	14.962	(0.866)	1057945	46.4204	46.42
* 79 1,4-Dichlorobenzene-d4	152	17.284	17.277	(1.000)	857558	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13001.D
Lab Smp Id: DLH3W101 Client Smp ID: D13001
Inj Date : 14-OCT-2000 02:39
Operator : AD Inst ID: md.i
Smp Info : DLH3W101,,2,,0,1,0,8260BDA.M,D13001
Misc Info : E0J040125-13,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.106	3200658	50.000
* 79 1,4-Dichlorobenzene-d4	17.284	5264788	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.323	467091	7.29680144	7.30	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.786	1724844	16.3809434	16.38	90	NBS75K.L	41966	79

RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzoic acid, 2-[(trimethylsilyl)oxy]-,					CAS #: 3789-85-3		
19.579	538301	5.11227918	5.11	40	NBS75K.L	72300	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH3W101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13001
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown VOC	1.323	7.30	J
2. 556-67-2	Cyclotetrasiloxane, octamet	15.786	16.38	NJ
3. 3789-85-3	Benzoic acid, 2-[(trimethyl	19.579	5.11	NJ

Lab blank

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13001.D

Date : 14-OCT-2000 02:39

Client ID: D13001

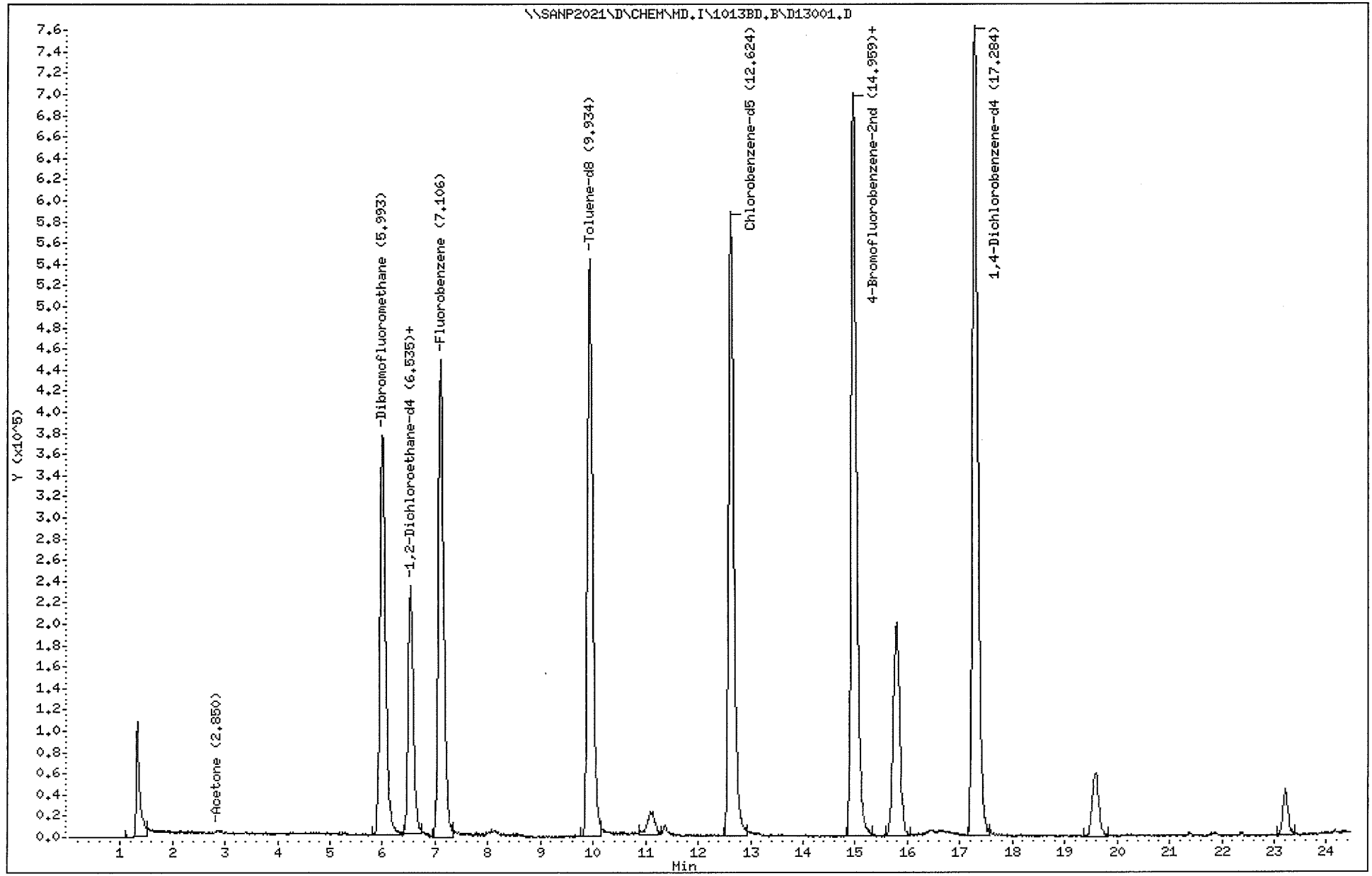
Sample Info: DLH3W101,,2,,0,1,0,8260BDA.M,D13001

Column phase: J&W DB-624

Instrument: md.i

Operator: AD

Column diameter: 0.53



000503

BOE-C6-0155168

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13001.D

Date : 14-OCT-2000 02:39

Client ID: D13001

Instrument: md.i

Sample Info: DLH3W101,,2,,0,1,0,8260BDA.M,D13001

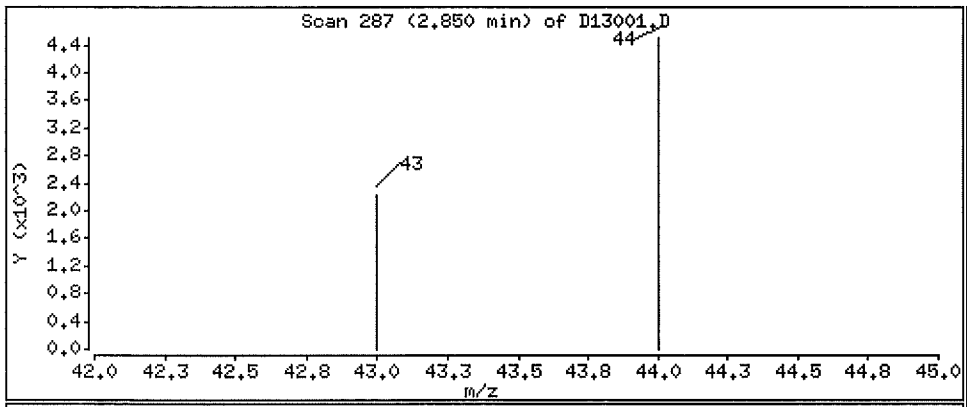
Operator: AD

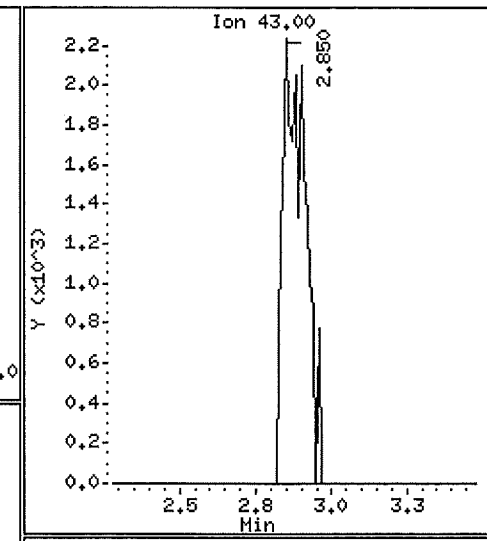
Column phase: J&W DB-624

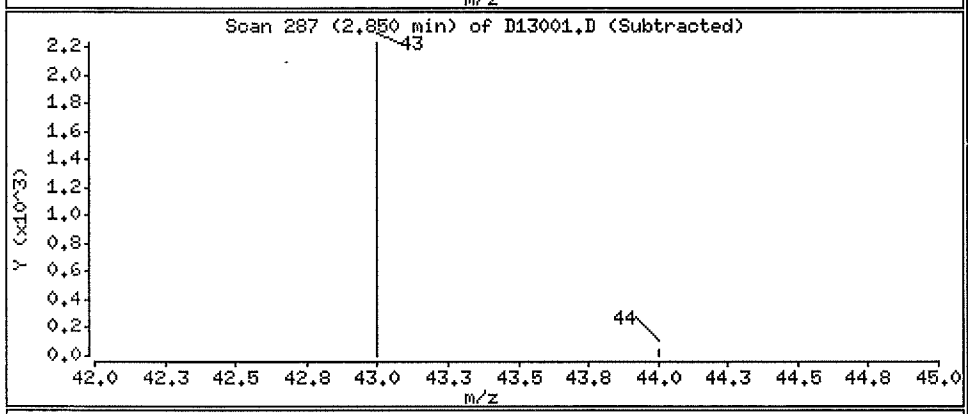
Column diameter: 0.53

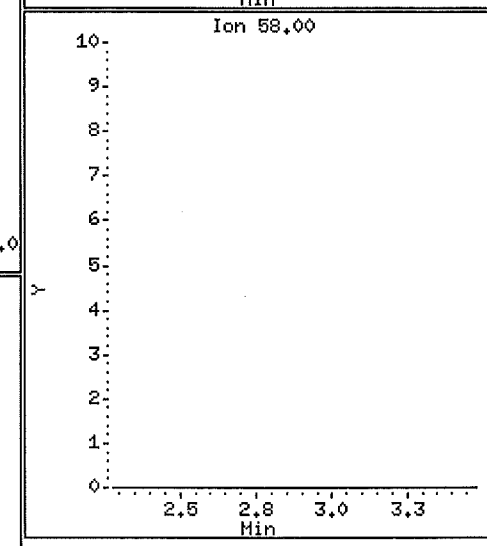
10 Acetone

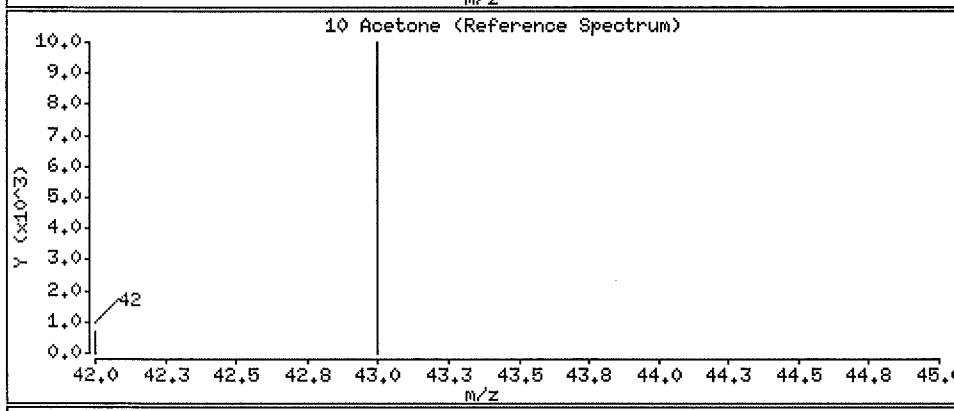
Concentration: 7.85 ug/Kg

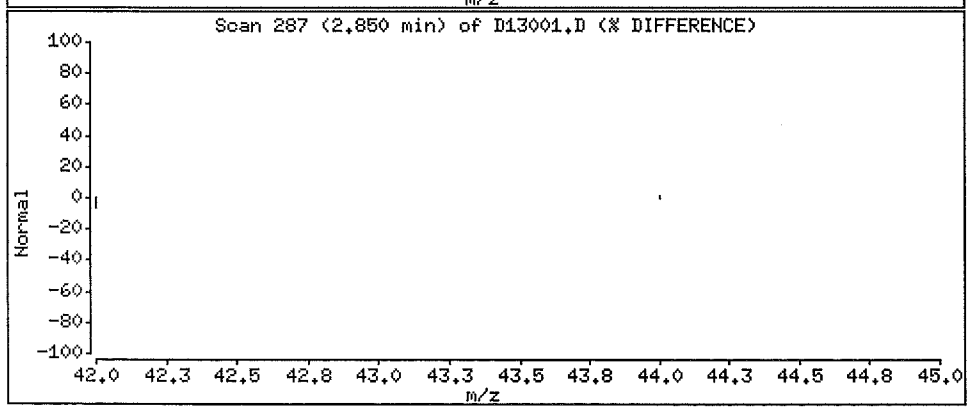












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13001.D

Date : 14-OCT-2000 02:39

Client ID: D13001

Instrument: md.i

Sample Info: DLH3W101,,2,,0,1,0,8260BDA.M,D13001

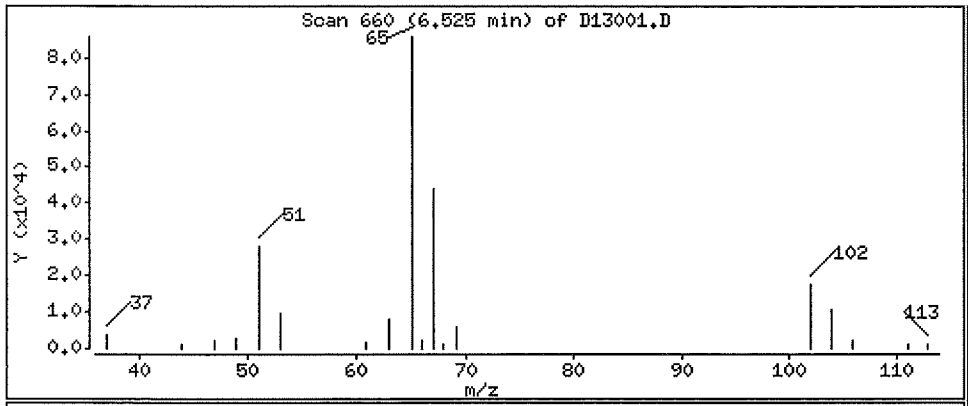
Operator: AD

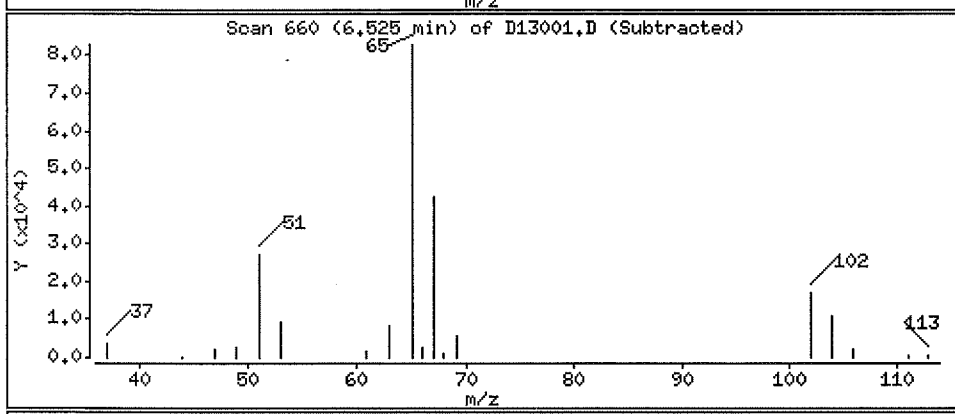
Column phase: J&W DB-624

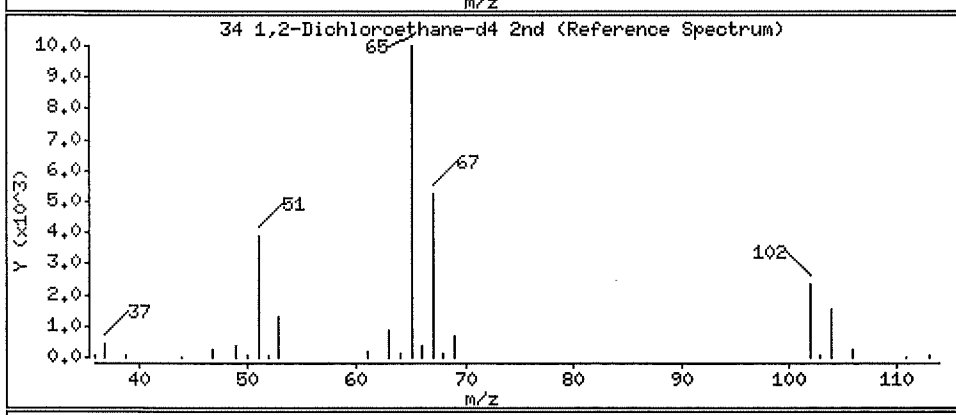
Column diameter: 0.53

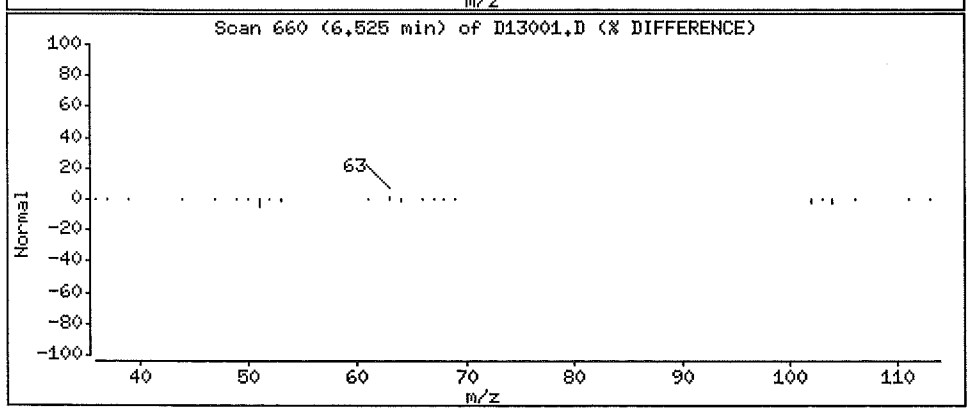
34 1,2-Dichloroethane-d4 2nd

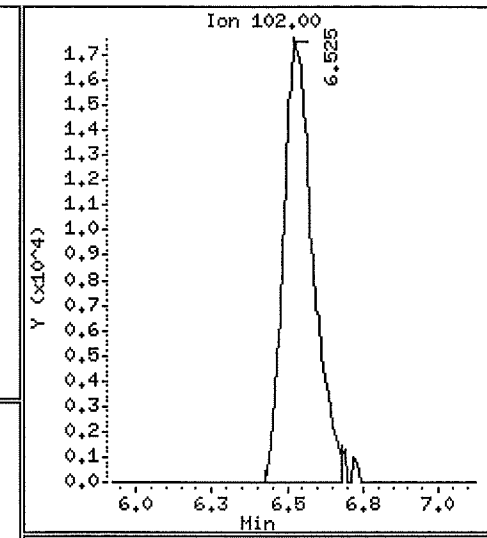
Concentration: 46.42 ug/Kg

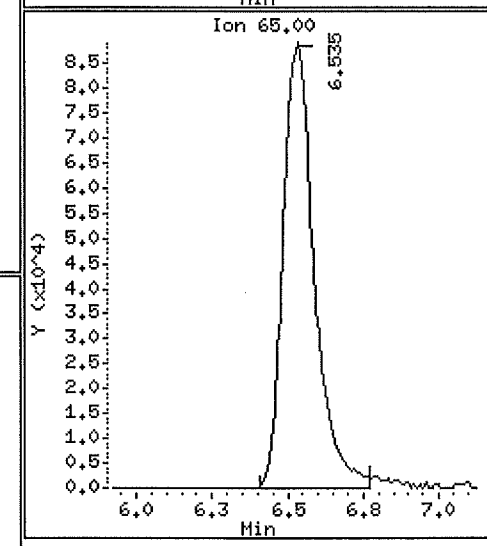












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13001.D

Date : 14-OCT-2000 02:39

Client ID: D13001

Instrument: md.i

Sample Info: DLH3W101,,2,,0,1,0,8260BDA,M,D13001

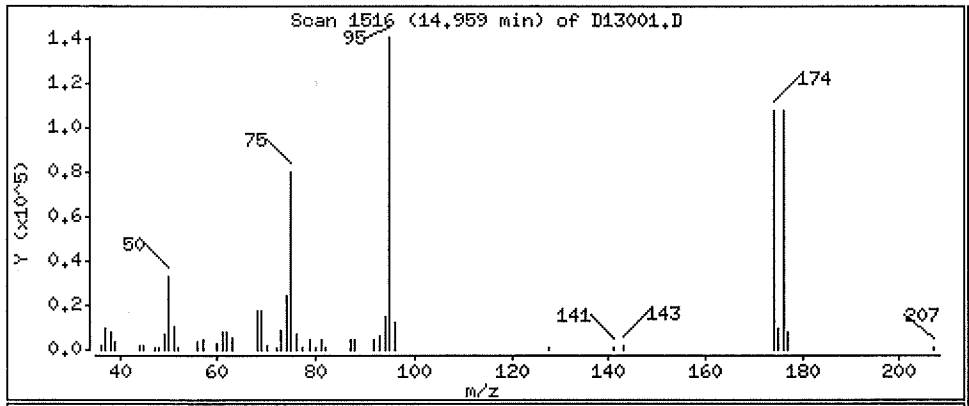
Operator: AD

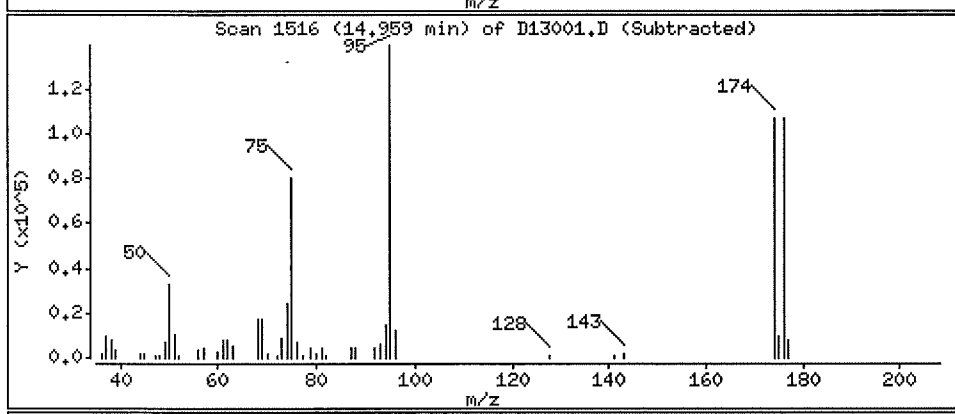
Column phase: J&W DB-624

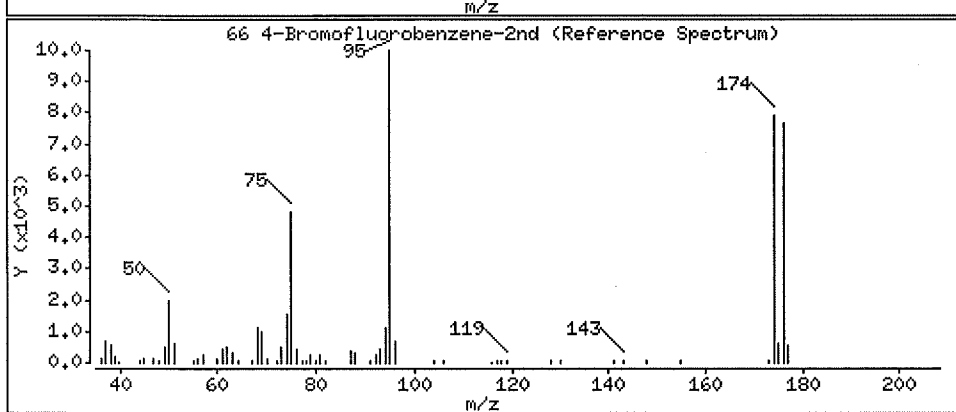
Column diameter: 0.53

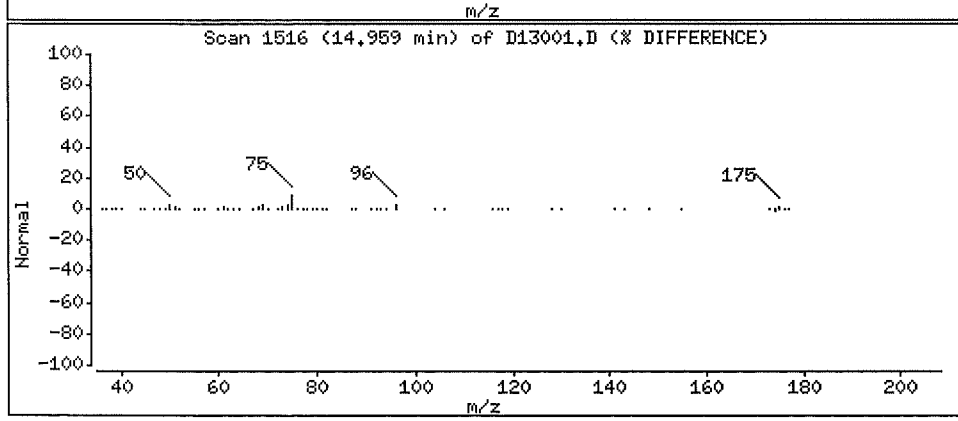
66 4-Bromofluorobenzene-2nd

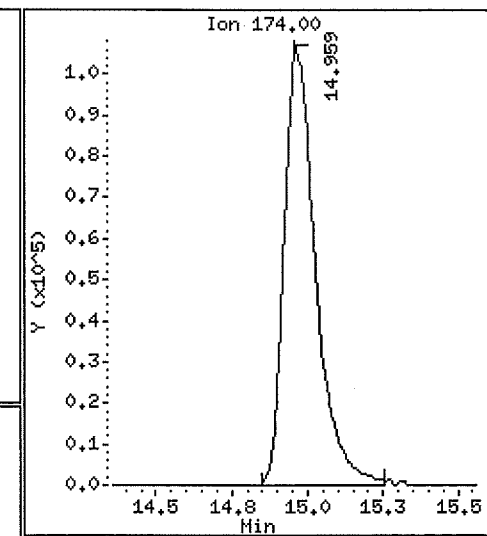
Concentration: 45.20 ug/Kg

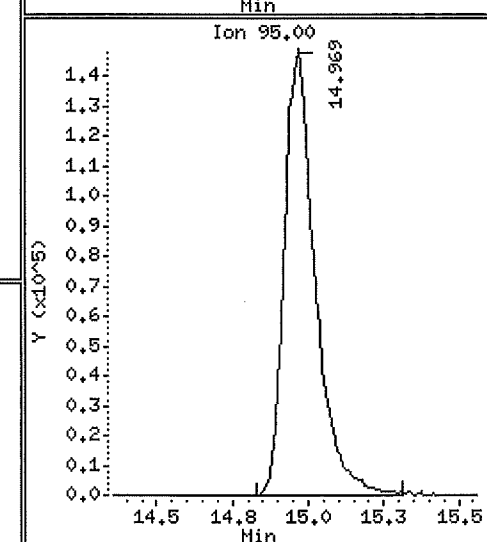


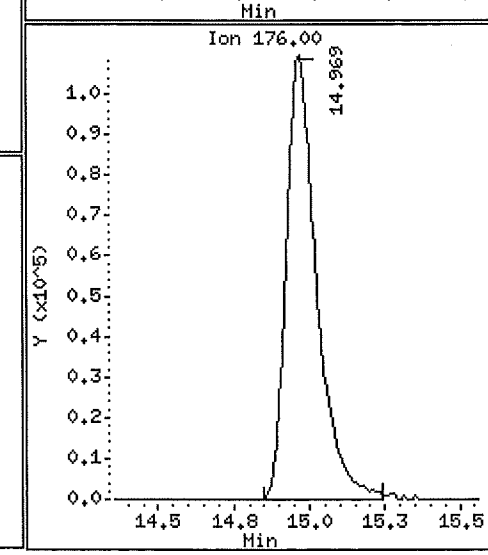












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13001.D

Date : 14-OCT-2000 02:39

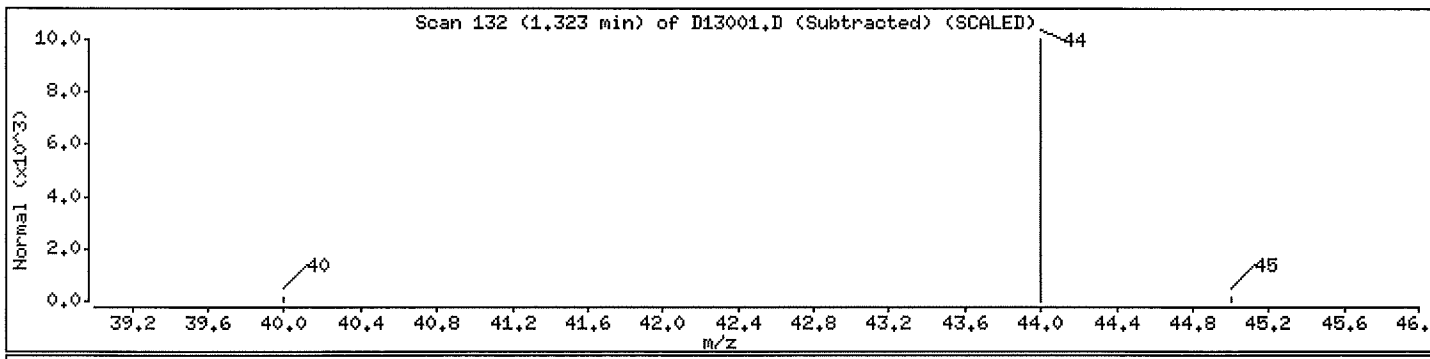
Client ID: D13001 Instrument: md.i

Sample Info: DLH3W101,,2,,0,1,0,8260BDA.M,D13001

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13001.D

Date : 14-OCT-2000 02:39

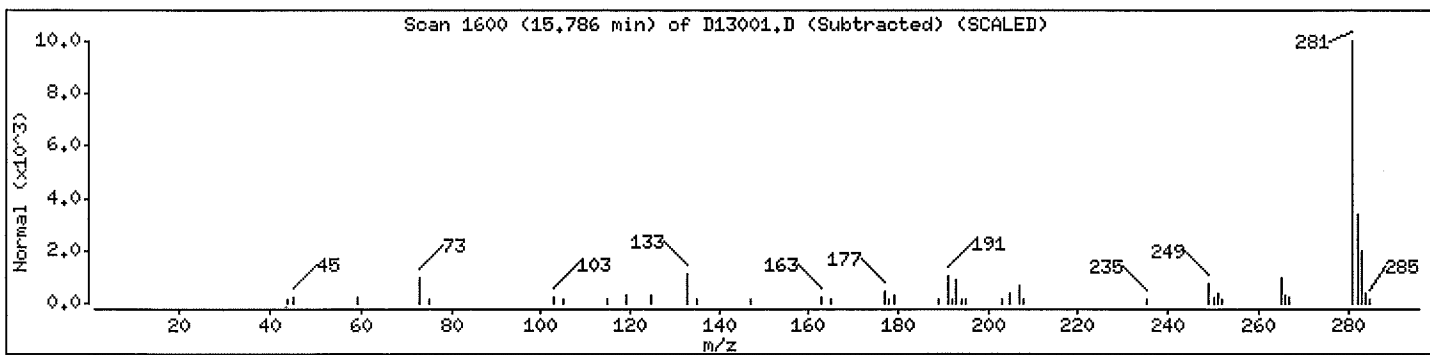
Client ID: D13001 Instrument: md.i

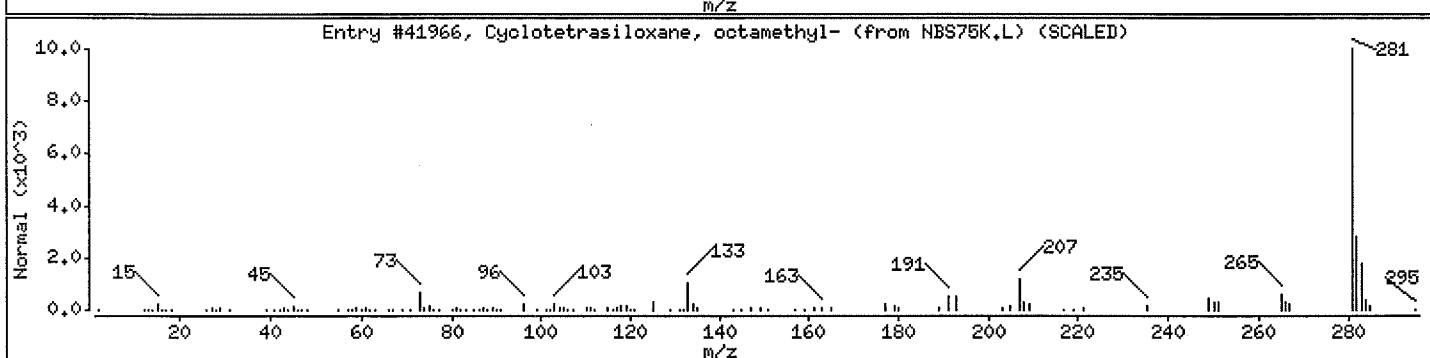
Sample Info: DLH3W101,,2,,0,1,0,8260BDA.M,D13001

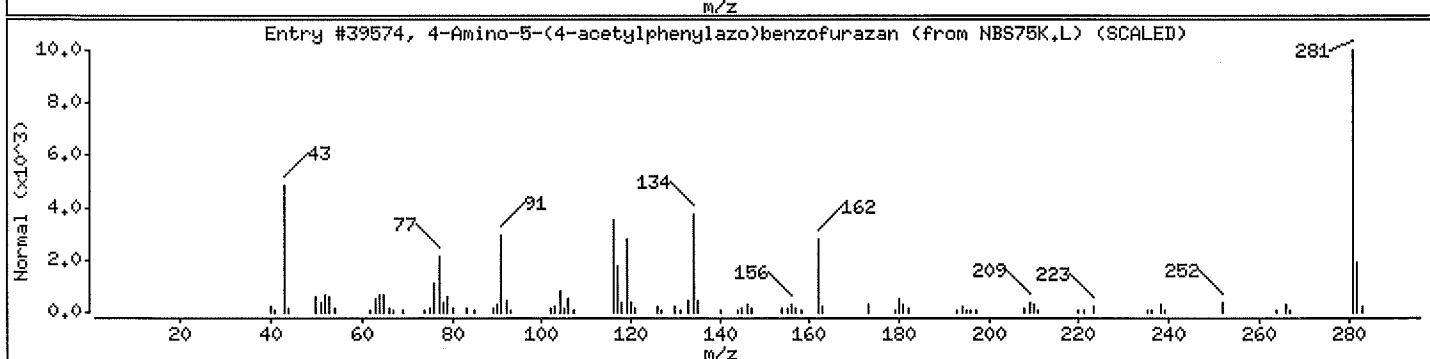
Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	90	C8H24O4Si4	296
4-Amino-5-(4-acetylphenylazo)benzofuraza	0-00-0	NBS75K.L	39574	25	C14H11N5O2	281







CAP bleed

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13001.D

Date : 14-OCT-2000 02:39

Client ID: D13001

Instrument: md.i

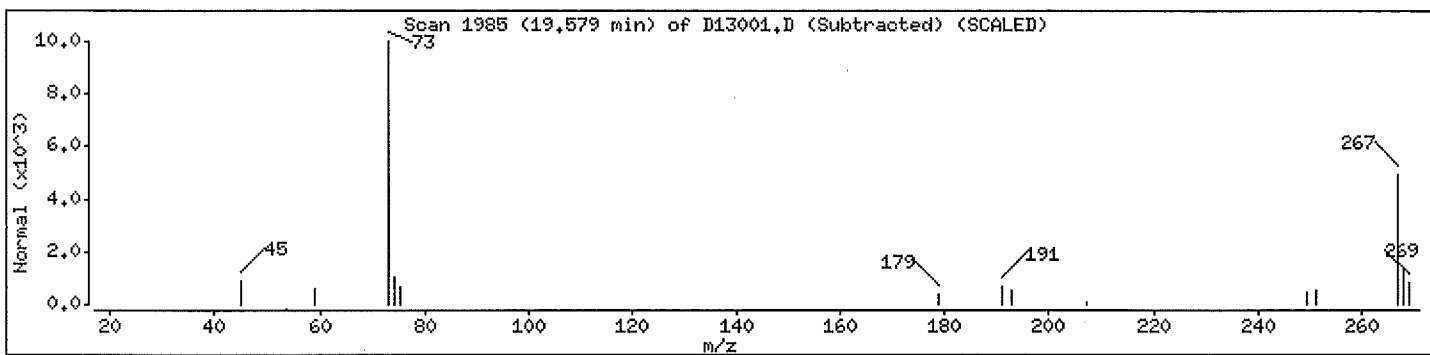
Sample Info: DLH3W101,,2,,0,1,0,8260BDA.M,D13001

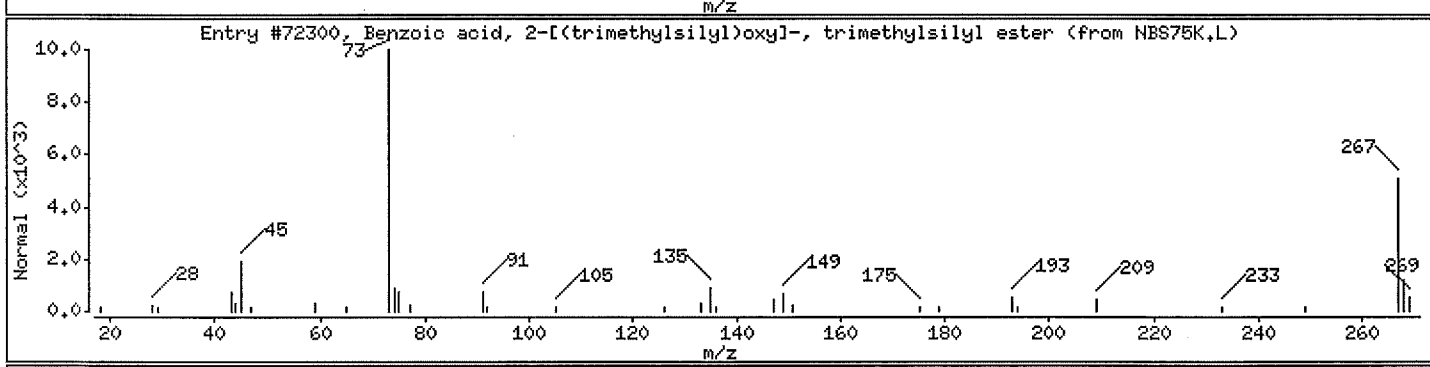
Operator: AD

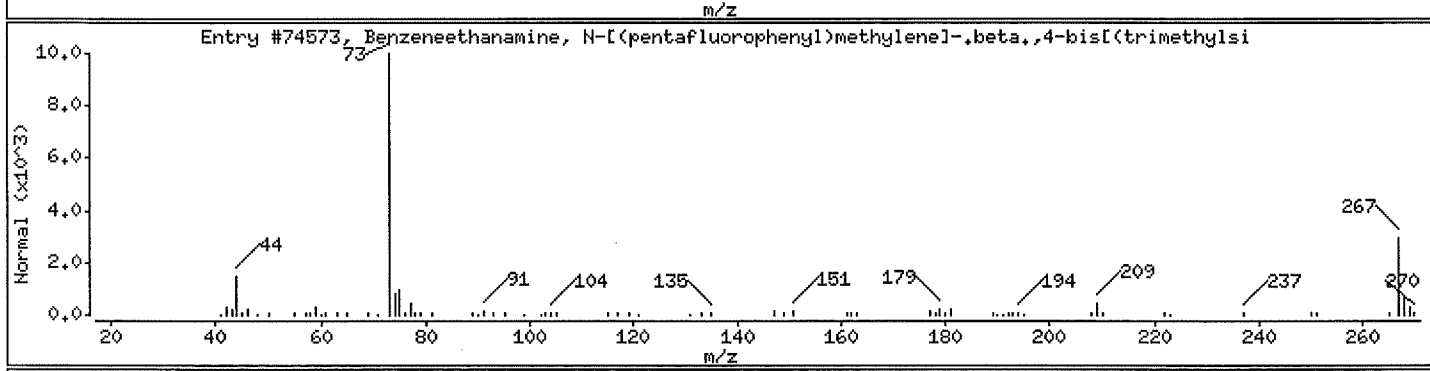
Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzoic acid, 2-[(trimethylsilyl)oxy]-,	3789-85-3	NBS75K.L	72300	40	C13H22O3Si2	282
Benzeneethanamine, N-[(pentafluorophenyl	55429-85-1	NBS75K.L	74573	39	C21H26F5NO2Si4	475







Cap bleed

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13002.D
Lab Smp Id: DLH43101 Client Smp ID: D13002
Inj Date : 14-OCT-2000 03:11
Operator : AD Inst ID: md.i
Smp Info : DLH43101,,2,,0,1,0,8260BDA.M,D13002
Misc Info : E0J040125-15,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
13 Methylene chloride	84	3.332	3.326	(0.469)	15768	2.05887	2.06(a)
$ 29 Dibromofluoromethane	111	5.982	6.006	(0.842)	807497	42.4165	42.42
$ 33 1,2-Dichloroethane-d4	65	6.533	6.529	(0.920)	632517	49.2236	49.22
34 1,2-Dichloroethane-d4 2nd	102	6.543	6.529	(0.921)	117178	45.2000	45.20
36 1,2-Dichloroethane	62	7.115	6.657	(1.001)	23997	1.67779	1.68(aQ)
* 38 Fluorobenzene	96	7.105	7.100	(1.000)	1338404	50.0000	
$ 47 Toluene-d8	98	9.932	9.928	(0.786)	1270928	44.9078	44.91
* 56 Chlorobenzene-d5	117	12.632	12.617	(1.000)	1222513	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.967	14.962	(0.866)	757228	45.2154	45.22
$ 67 4-Bromofluorobenzene	95	14.957	14.962	(0.865)	1028374	46.0080	46.01
* 79 1,4-Dichlorobenzene-d4	152	17.282	17.277	(1.000)	841060	50.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13002.D
Lab Smp Id: DLH43101 Client Smp ID: D13002
Inj Date : 14-OCT-2000 03:11
Operator : AD Inst ID: md.i
Smp Info : DLH43101,,2,,0,1,0,8260BDA.M,D13002
Misc Info : E0J040125-15,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.105	3187998	50.000
* 79 1,4-Dichlorobenzene-d4	17.282	5133895	50.000

RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.322	598956	9.39392229	9.39	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.775	1130916	11.0142140	11.01	72	NBS75K.L	72646	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH43101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13002
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CO2	1.322	9.39	J
2. 556-67-2	Cyclotetrasiloxane, octamet	15.775	11.01	NJ

cap bleed

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13002.D

Date : 14-OCT-2000 03:11

Client ID: D13002

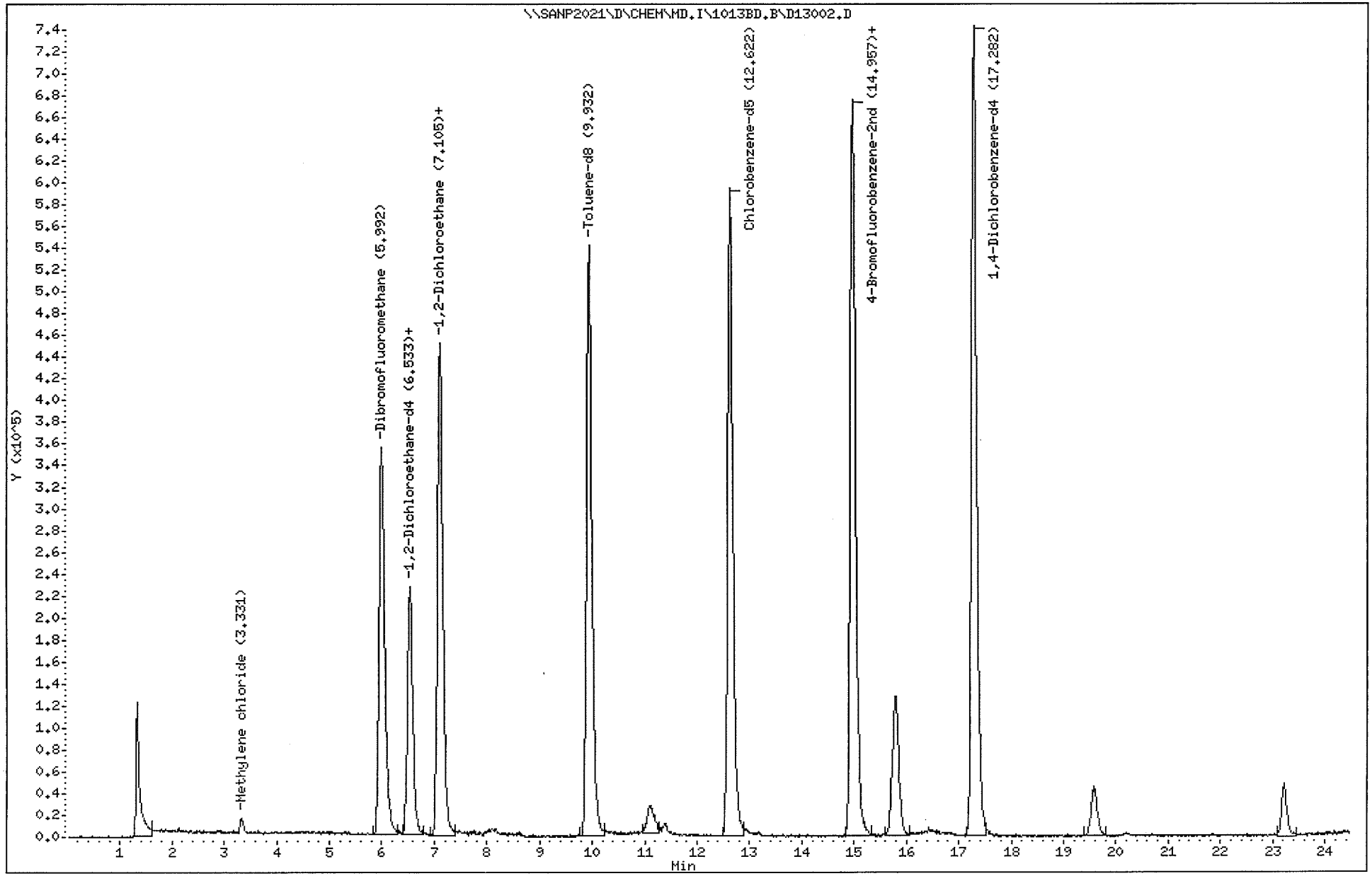
Sample Info: DLH43101,,2,,0,1,0,8260BDA.M,D13002

Column phase: J&W DB-624

Instrument: md.i

Operator: AD

Column diameter: 0.53



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BOE-C6-0155179

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13002.D

Date : 14-OCT-2000 03:11

Client ID: D13002

Instrument: md.i

Sample Info: DLH43101,,2,,0,1,0,8260BDA.M,D13002

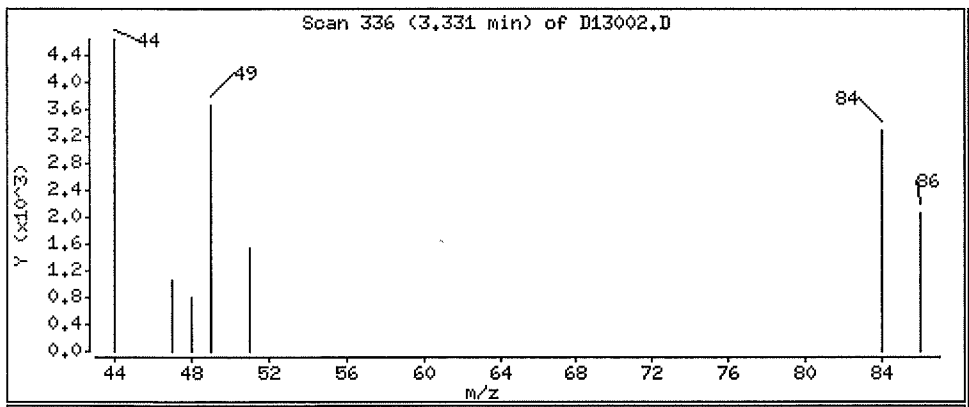
Operator: AD

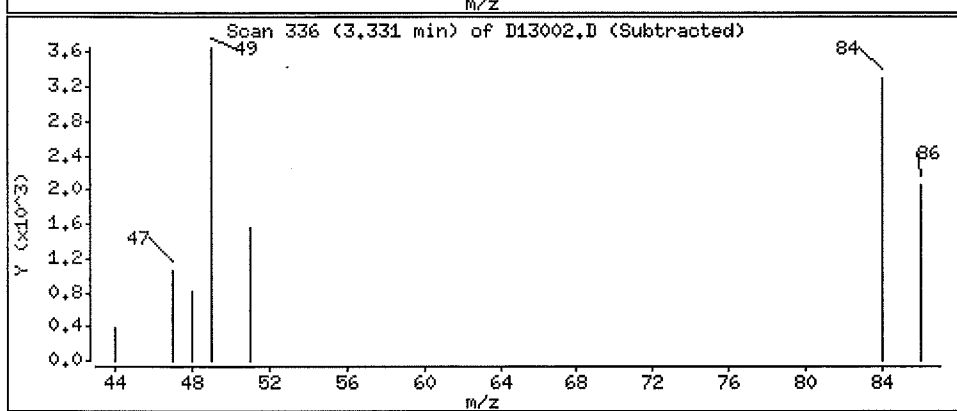
Column phase: J&W DB-624

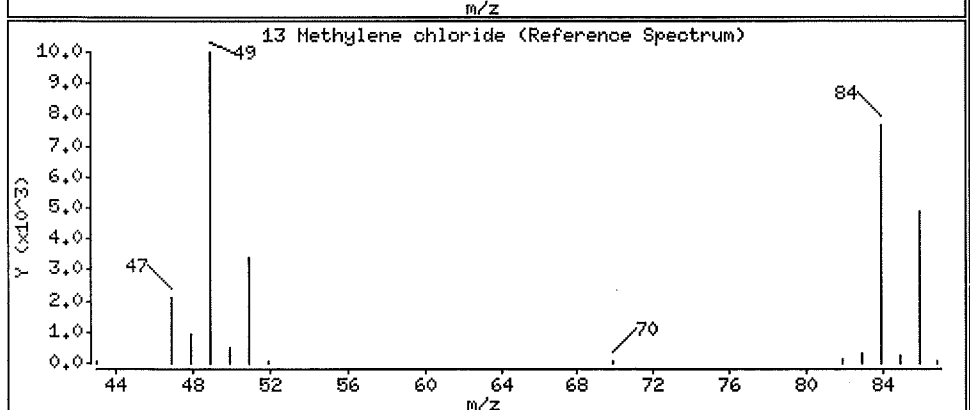
Column diameter: 0.53

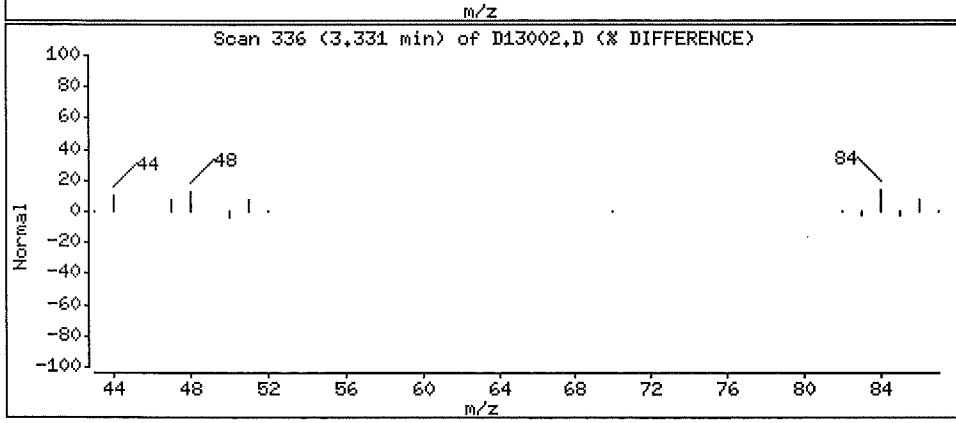
13 Methylene chloride

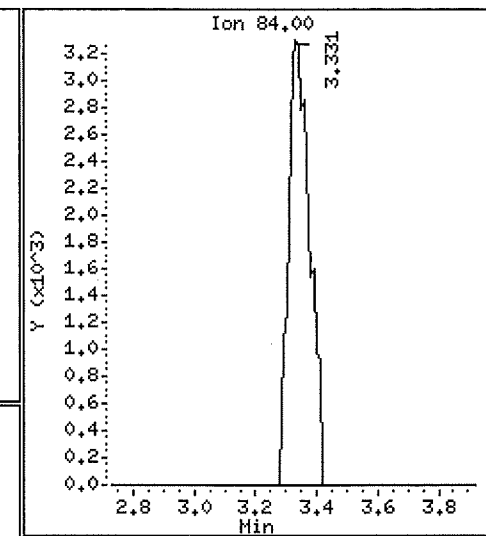
Concentration: 2.06 ug/Kg

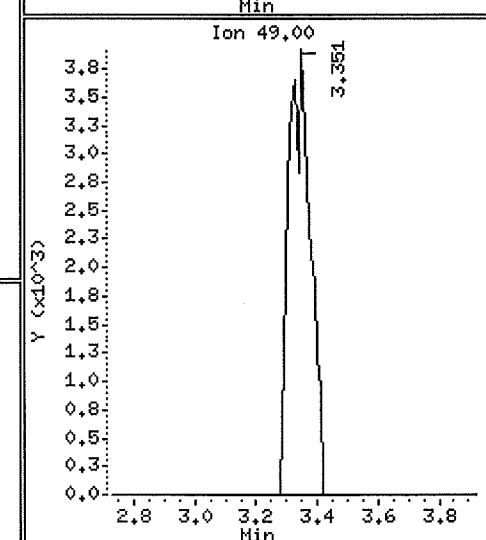


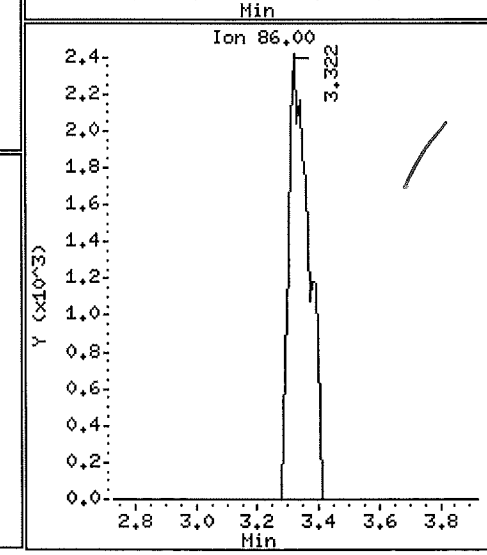












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13002.D

Date : 14-OCT-2000 03:11

Client ID: D13002

Instrument: md.i

Sample Info: DLH43101,,2,,0,1,0,8260BDA.M,D13002

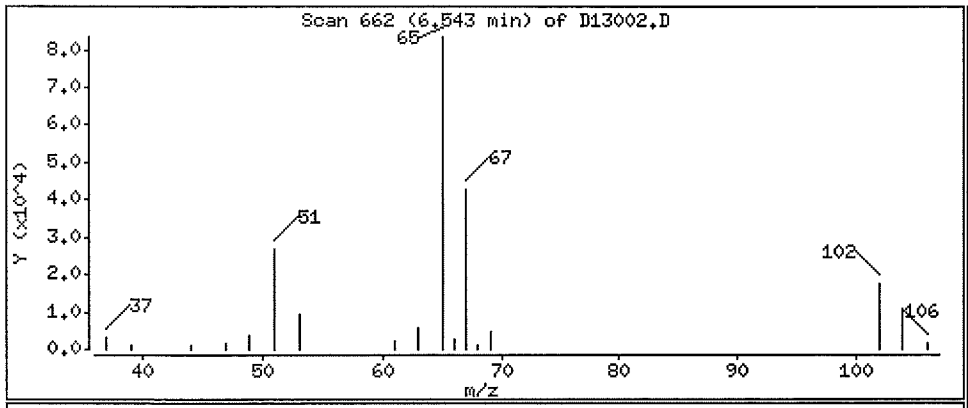
Operator: AD

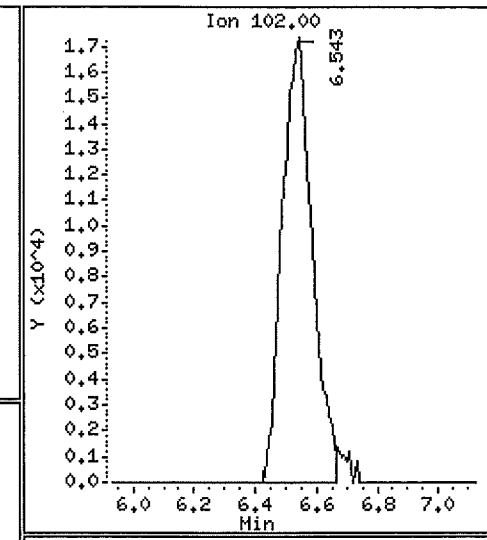
Column phase: J&W DB-624

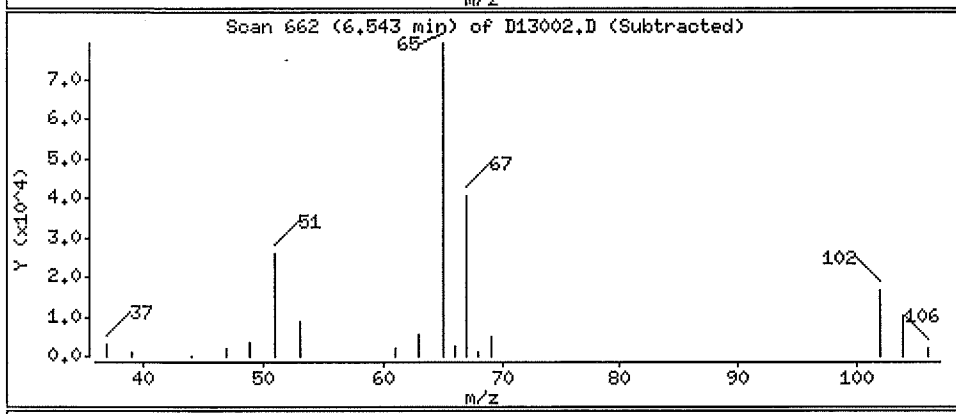
Column diameter: 0.53

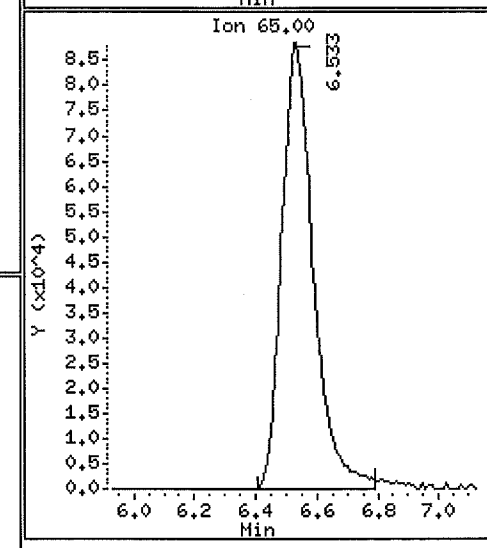
34 1,2-Dichloroethane-d4 2nd

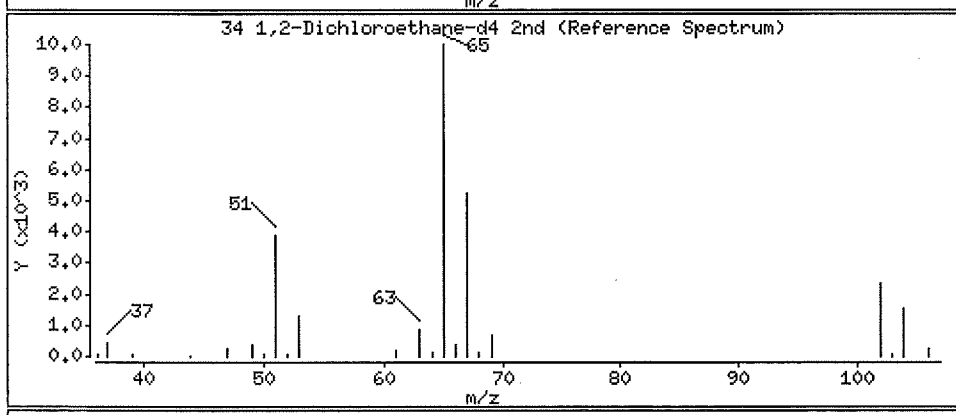
Concentration: 45.20 ug/Kg

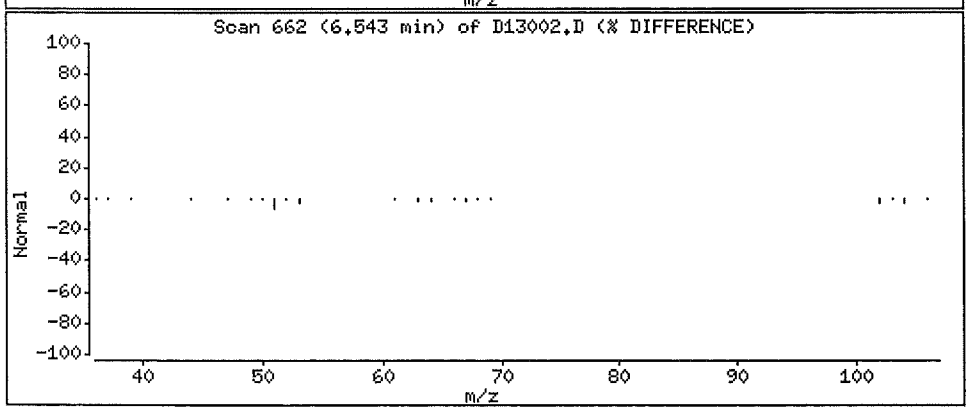












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13002.D

Date : 14-OCT-2000 03:11

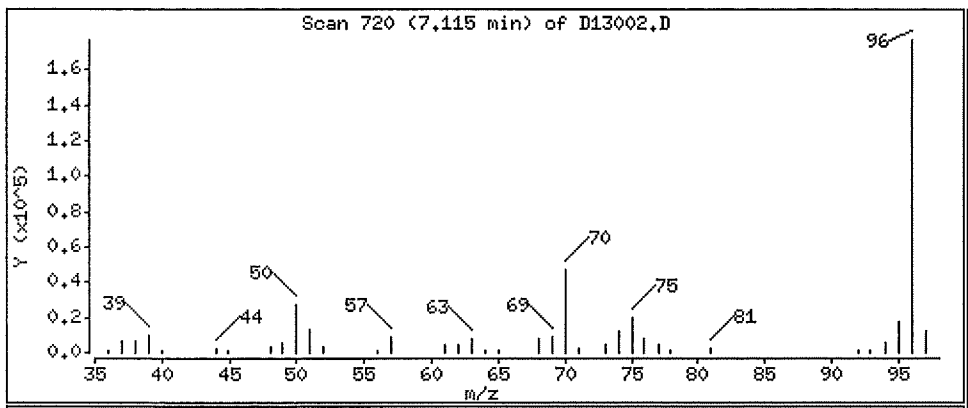
Client ID: D13002 Instrument: md.i

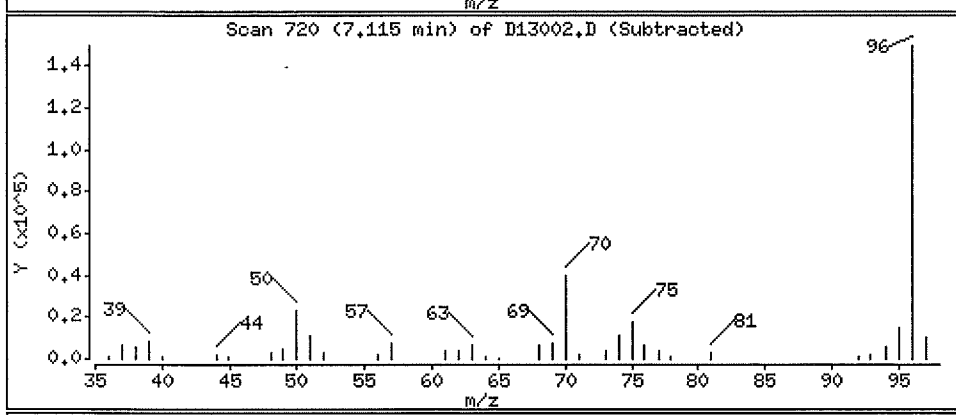
Sample Info: DLH43101,,2,,0,1,0,8260BDA,M,D13002

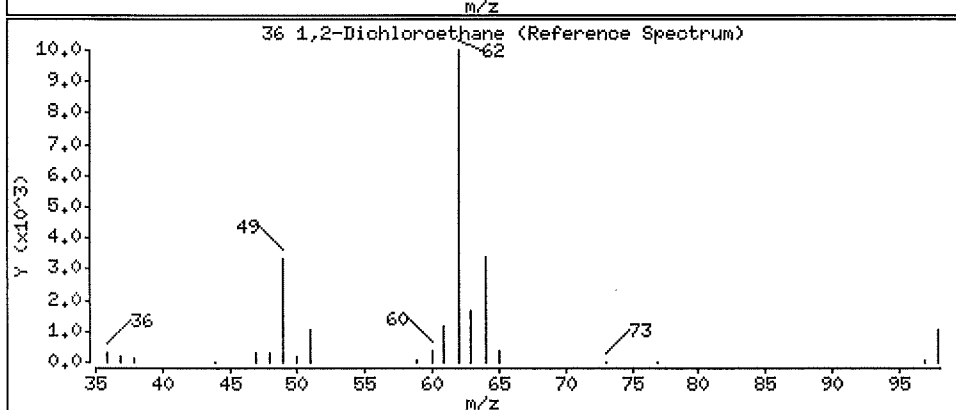
Operator: AD

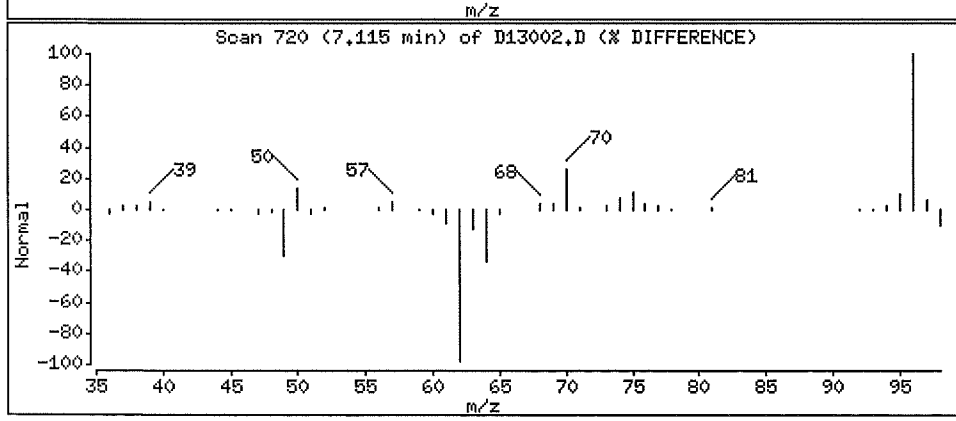
Column phase: J&W DB-624 Column diameter: 0.53

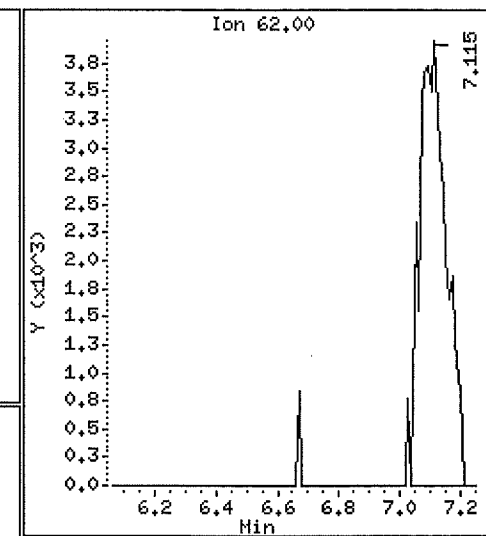
36 1,2-Dichloroethane Concentration: 1.68 ug/Kg

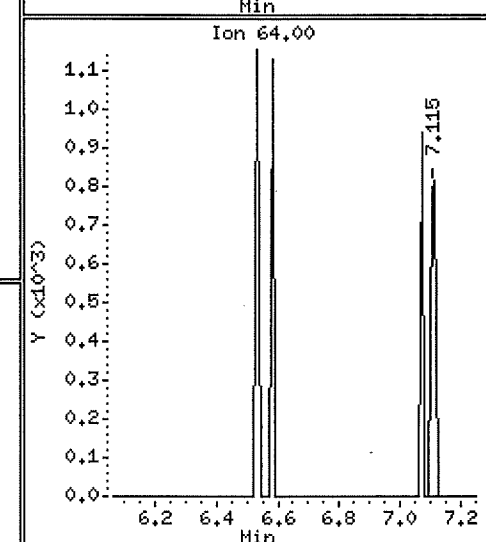


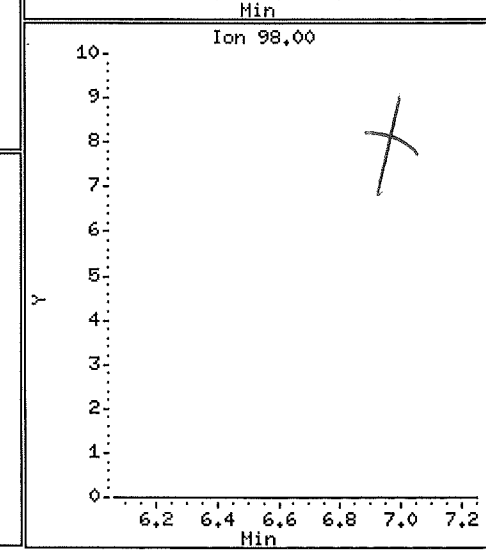












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13002.D

Date : 14-OCT-2000 03:11

Client ID: D13002

Instrument: md.i

Sample Info: DLH43101,,2,,0,1,0,8260BDA.M,D13002

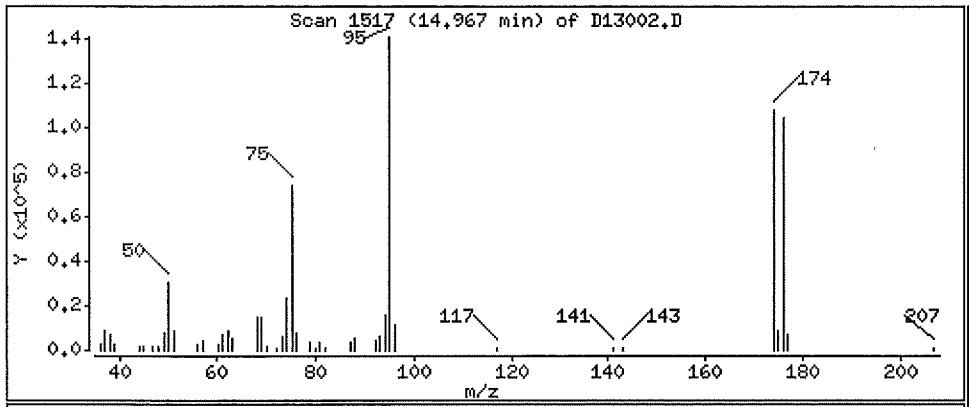
Operator: AD

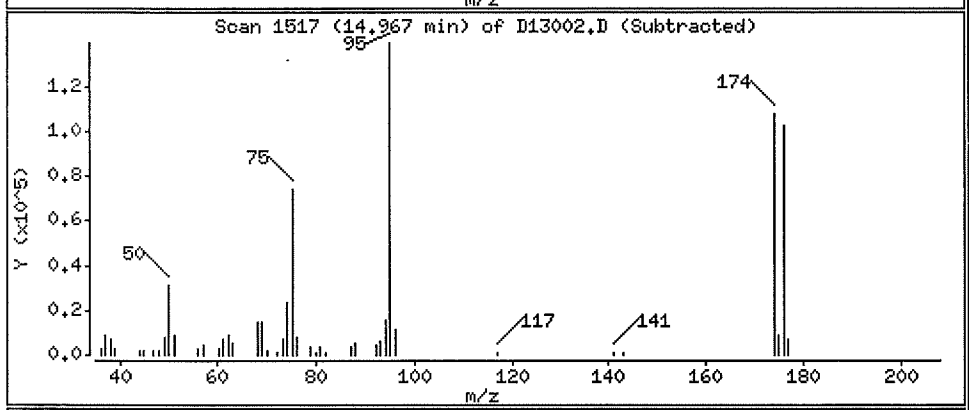
Column phase: J&W DB-624

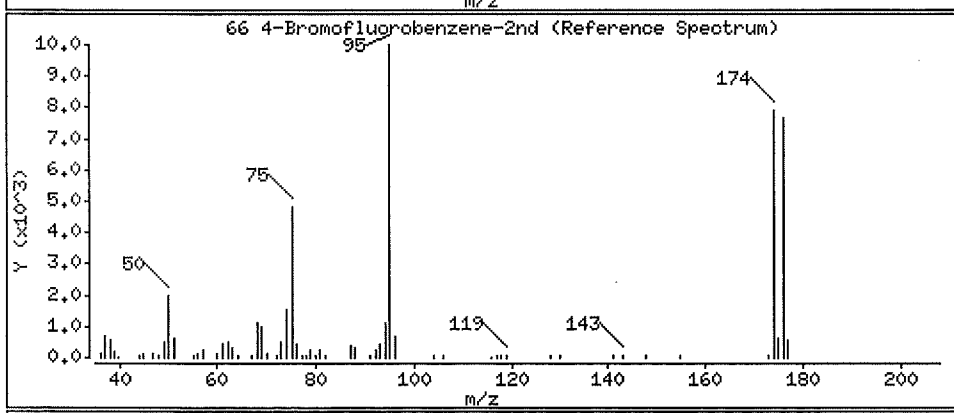
Column diameter: 0.53

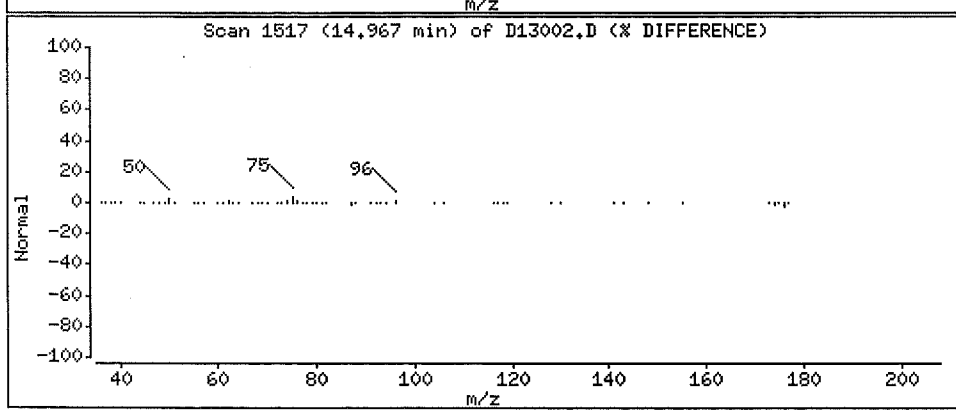
66 4-Bromofluorobenzene-2nd

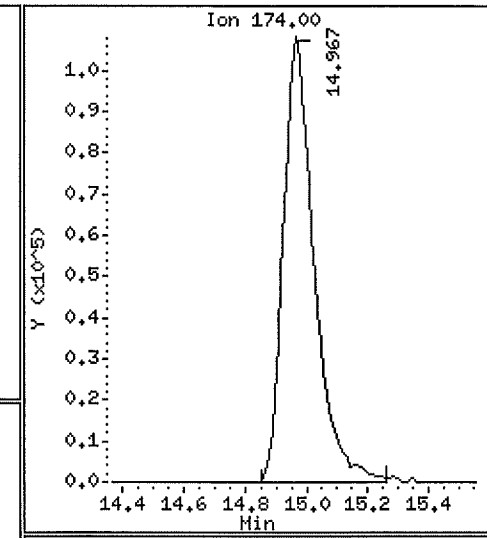
Concentration: 45.22 ug/Kg

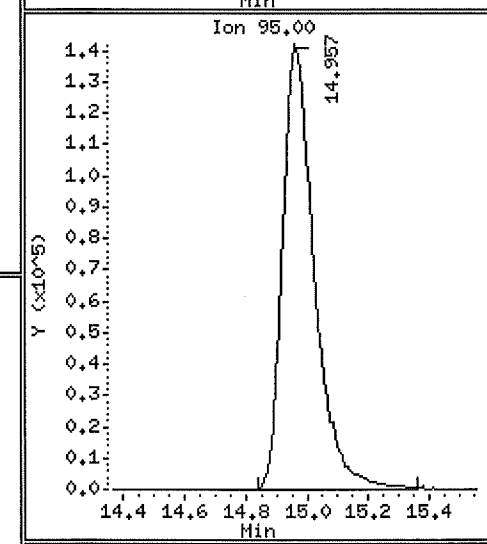


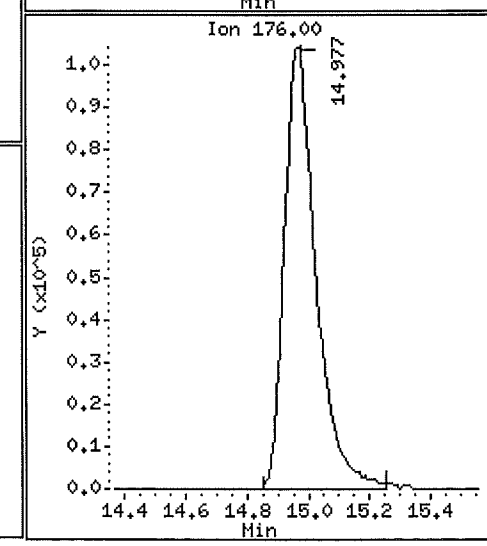












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13002.D

Date : 14-OCT-2000 03:11

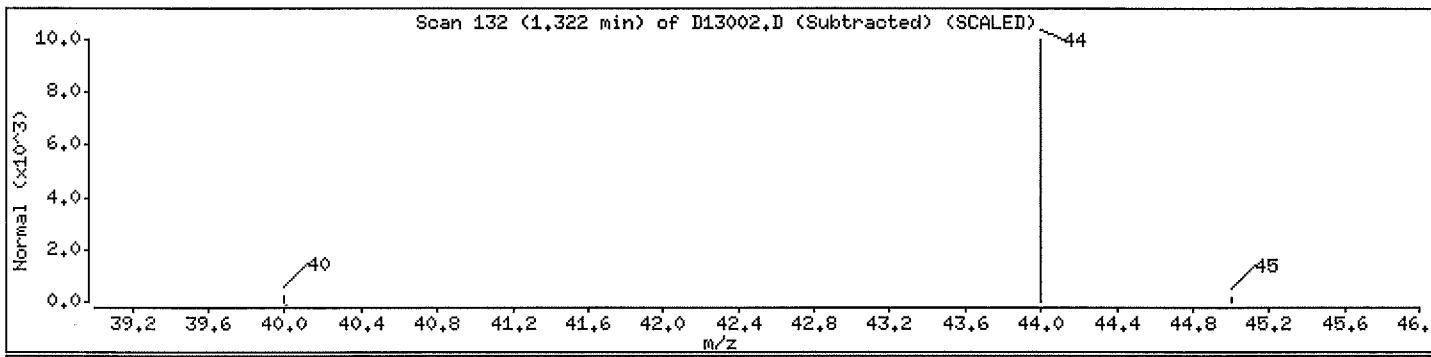
Client ID: D13002 Instrument: md.i

Sample Info: DLH43101,,2,,0,1,0,8260BDA.M,D13002

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13002.D

Date : 14-OCT-2000 03:11

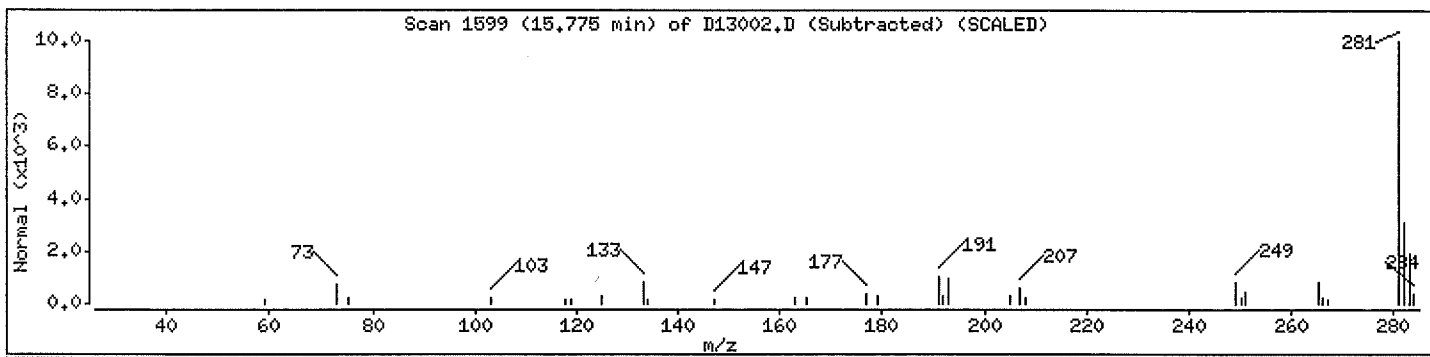
Client ID: D13002 Instrument: md.i

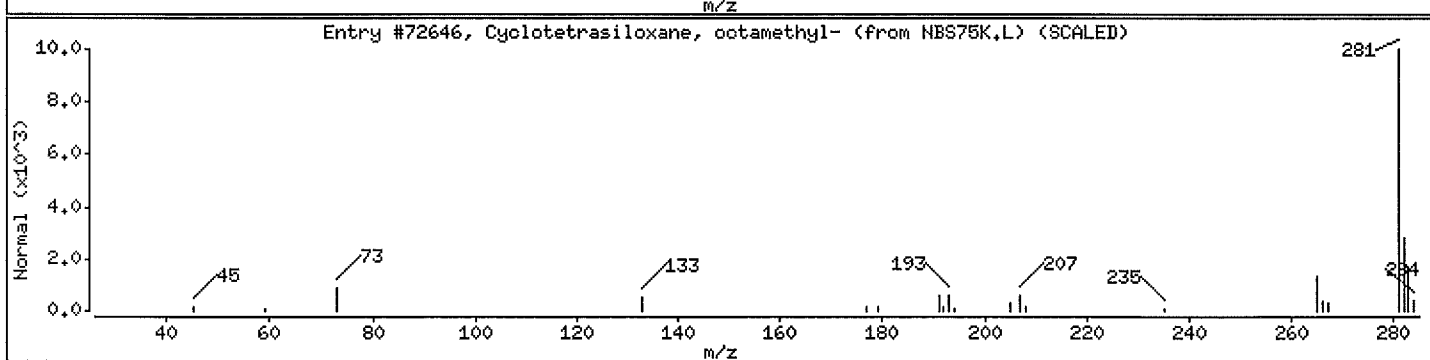
Sample Info: DLH43101,,2,,0,1,0,8260BDA.M,D13002

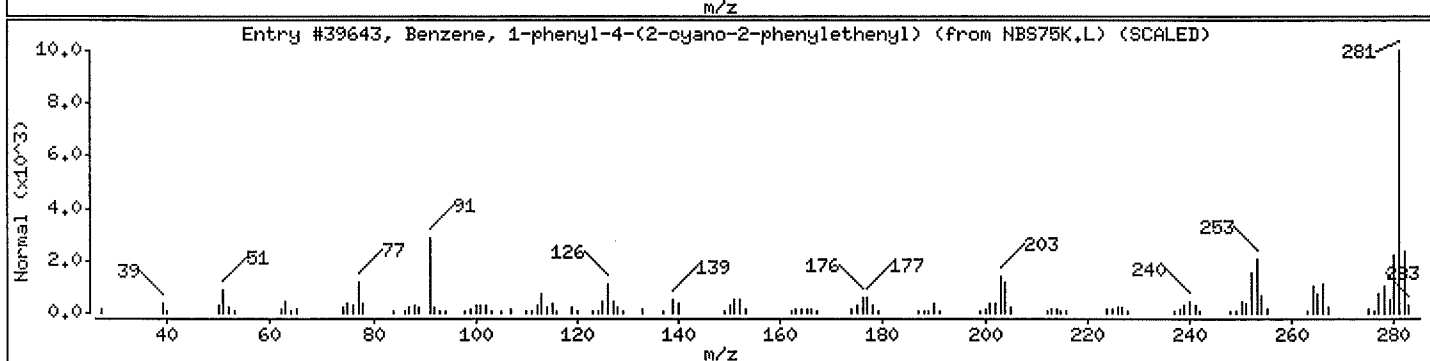
Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	72646	72	C8H24O4Si4	296
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	NBS75K.L	39643	53	C21H15N	281







Cap Bleed

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13003.D
Lab Smp Id: DLH45101 Client Smp ID: D13003
Inj Date : 14-OCT-2000 03:43
Operator : AD Inst ID: md.i
Smp Info : DLH45101,,2,,0,1,0,8260BDA.M,D13003
Misc Info : E0J040125-16,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.892	2.883	(0.407)	13694	9.54454	9.54
$ 29 Dibromofluoromethane	111	5.996	6.006	(0.843)	790905	42.9051	42.90
$ 33 1,2-Dichloroethane-d4	65	6.538	6.529	(0.920)	622582	50.0367	50.04
34 1,2-Dichloroethane-d4 2nd	102	6.528	6.529	(0.918)	117786	46.9221	46.92
* 38 Fluorobenzene	96	7.109	7.100	(1.000)	1295974	50.0000	
$ 47 Toluene-d8	98	9.927	9.928	(0.786)	1256635	44.7473	44.75
* 56 Chlorobenzene-d5	117	12.626	12.617	(1.000)	1213100	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.971	14.962	(0.867)	767795	44.7467	44.75
$ 67 4-Bromofluorobenzene	95	14.961	14.962	(0.866)	1041502	45.4777	45.48
* 79 1,4-Dichlorobenzene-d4	152	17.277	17.277	(1.000)	861728	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13003.D
Lab Smp Id: DLH45101 Client Smp ID: D13003
Inj Date : 14-OCT-2000 03:43
Operator : AD Inst ID: md.i
Smp Info : DLH45101,,2,,0,1,0,8260BDA.M,D13003
Misc Info : E0J040125-16,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.109	3097708	50.000
* 79 1,4-Dichlorobenzene-d4	17.277	5310198	50.000

RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.326	626173	10.1070430	10.11	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.789	767312	7.22489108	7.22	86	NBS75K.L	41966	79

RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
2-Ethyl-3-trimethylsilyloxy(trimethylsil					CAS #: 0-00-0		
23.218	615333	5.79388074	5.79	36	NBS75K.L	38736	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH45101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13003
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Co2	1.326	10.11	J
2. 556-67-2	~~Cyclotetrasiloxane, octamet~~	15.789	7.22	NJ
3. 0-00-0	~~2-Ethyl-3-trimethylsilyloxy~~	23.218	5.79	NJ

coupbleed

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13003.D

Date : 14-OCT-2000 03:43

Client ID: D13003

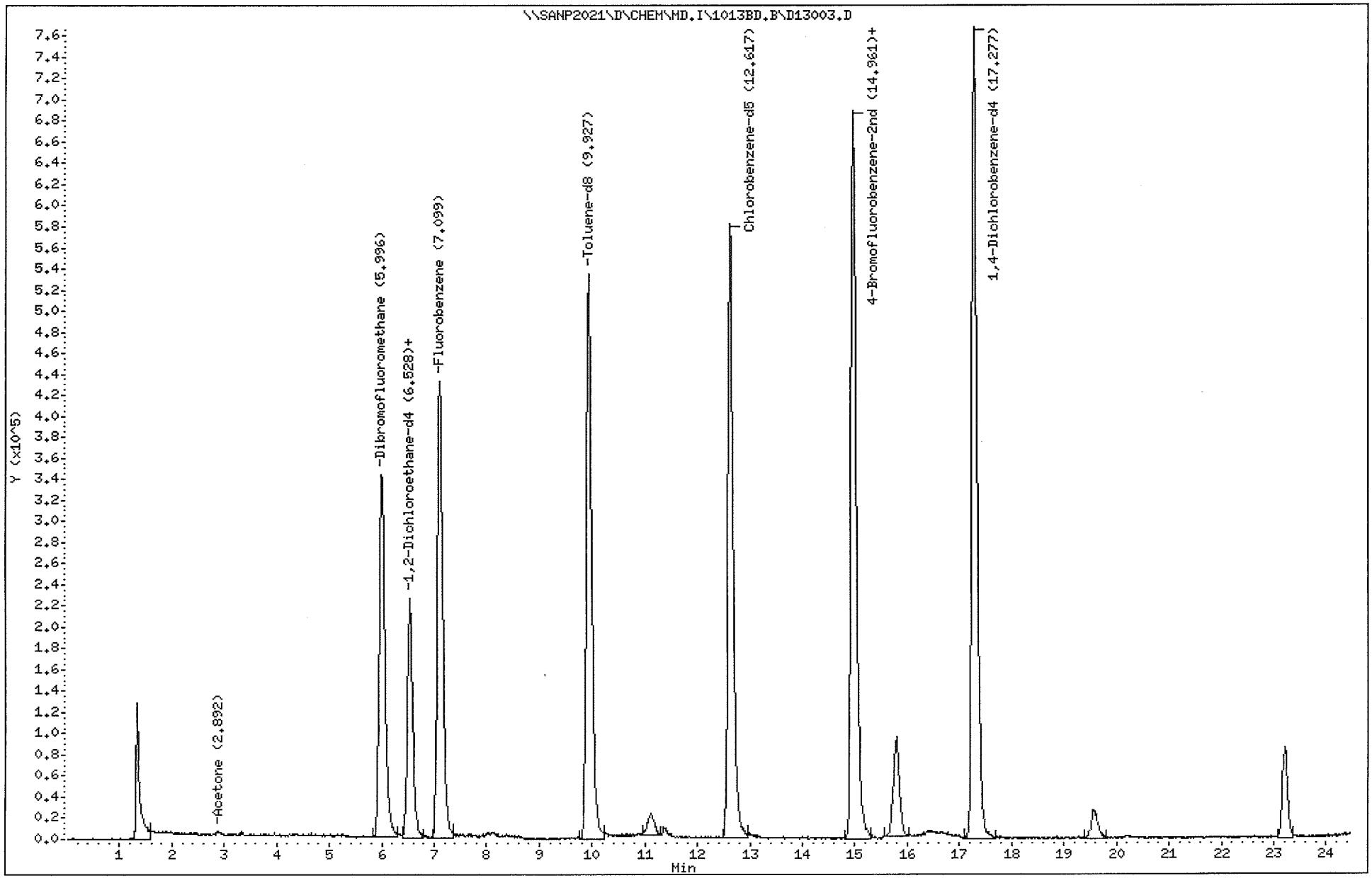
Sample Info: DLH45101,,2,,0,1,0,8260BDA.M,D13003

Column phase: J&W DB-624

Instrument: md.i

Operator: AD

Column diameter: 0.53



000526

BOE-C6-0155191

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13003.D

Date : 14-OCT-2000 03:43

Client ID: D13003

Instrument: md.i

Sample Info: DLH45101,,2,,0,1,0,8260BDA,M,D13003

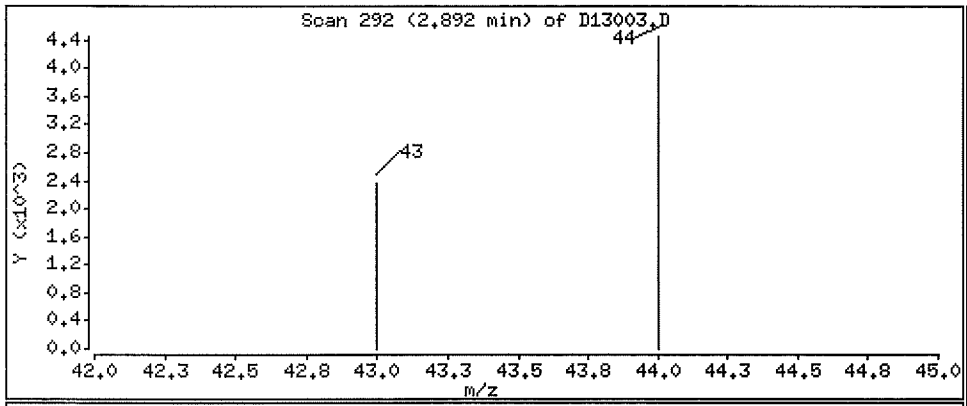
Operator: AD

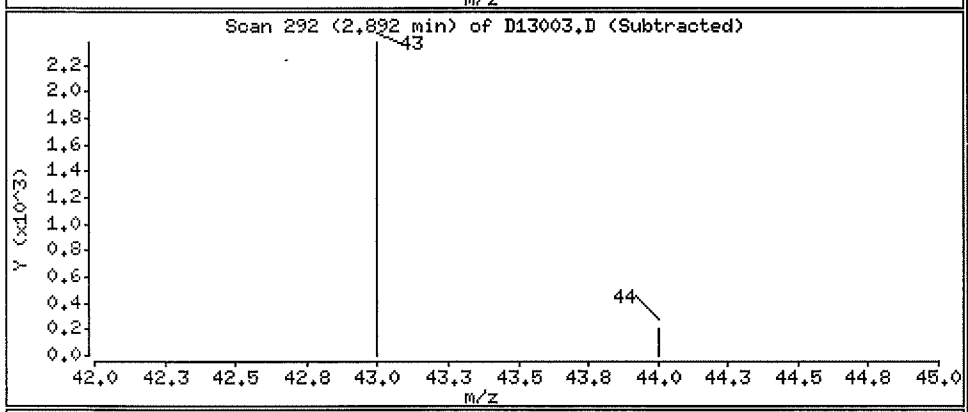
Column phase: J&W DB-624

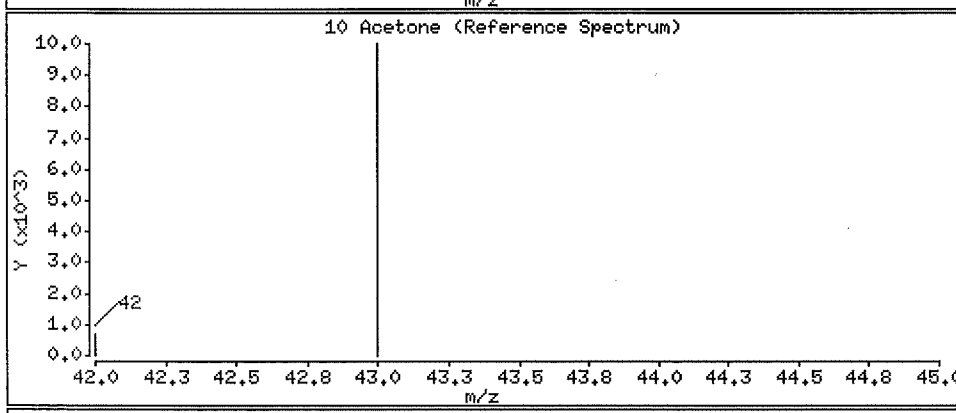
Column diameter: 0.53

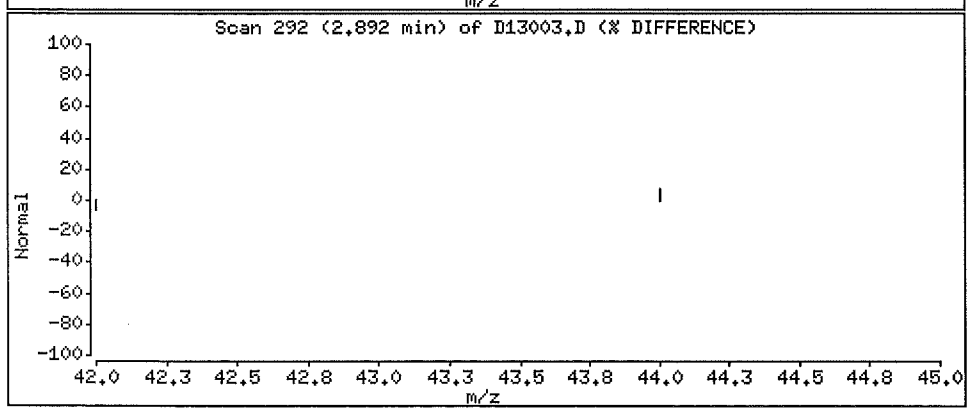
10 Acetone

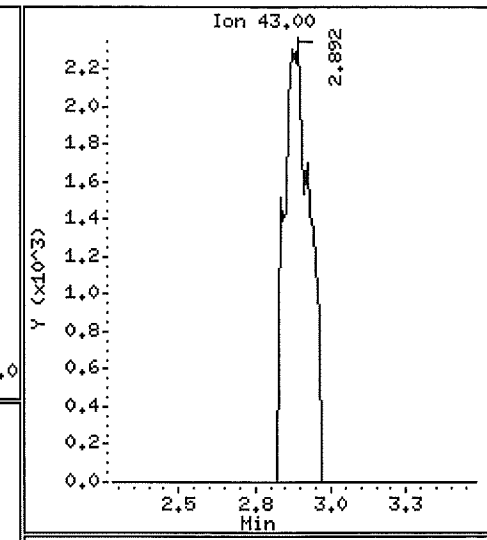
Concentration: 9.54 ug/Kg

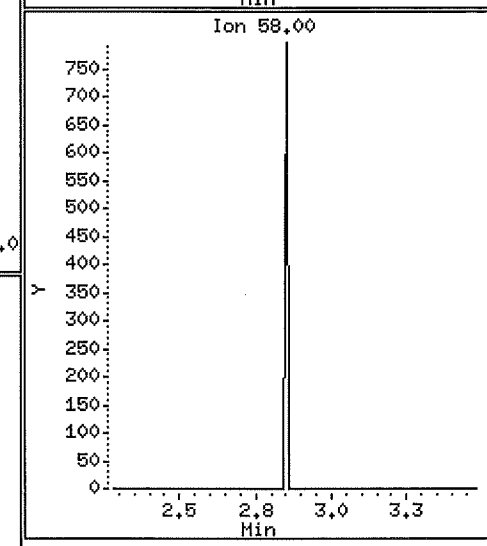












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13003.D

Date : 14-OCT-2000 03:43

Client ID: D13003

Instrument: md.i

Sample Info: DLH45101,,2,,0,1,0,8260BDA.M,D13003

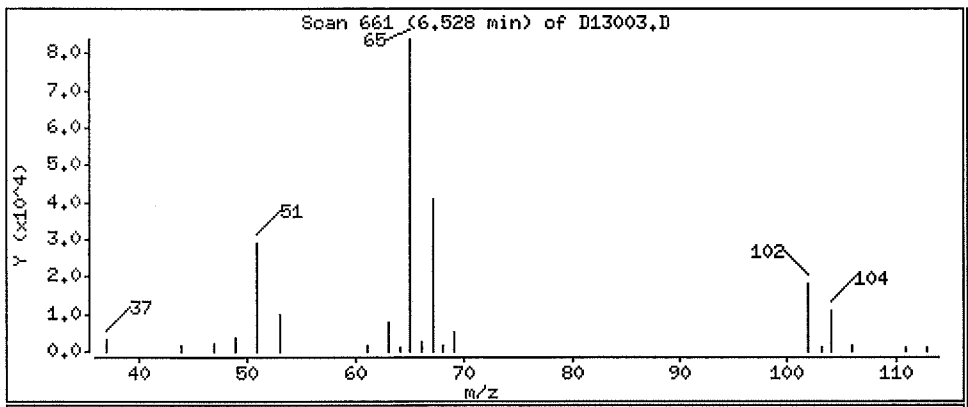
Operator: AD

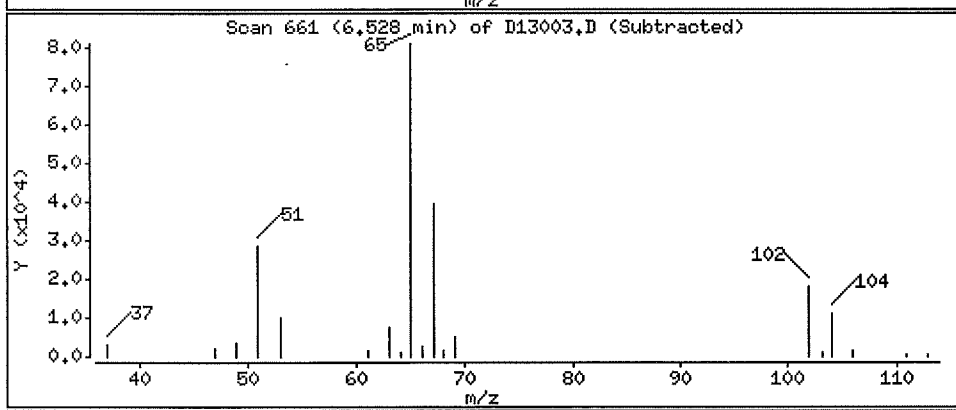
Column phase: J&W DB-624

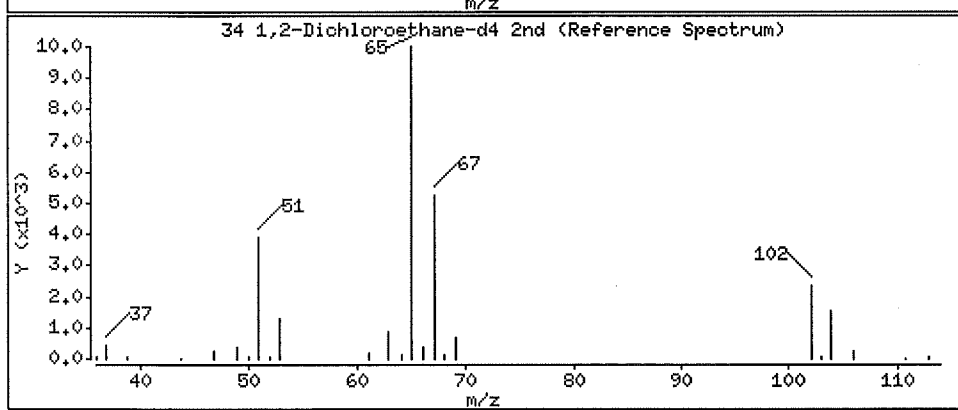
Column diameter: 0.53

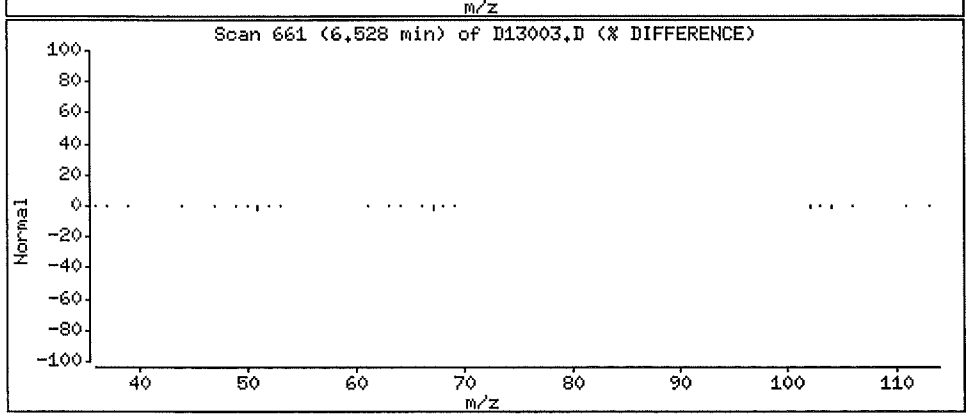
34 1,2-Dichloroethane-d4 2nd

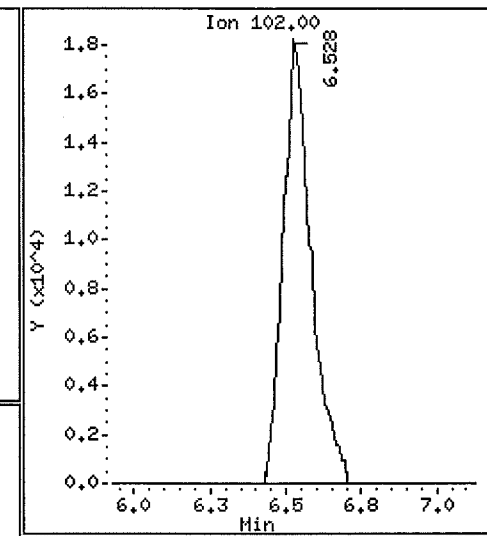
Concentration: 46.92 ug/Kg

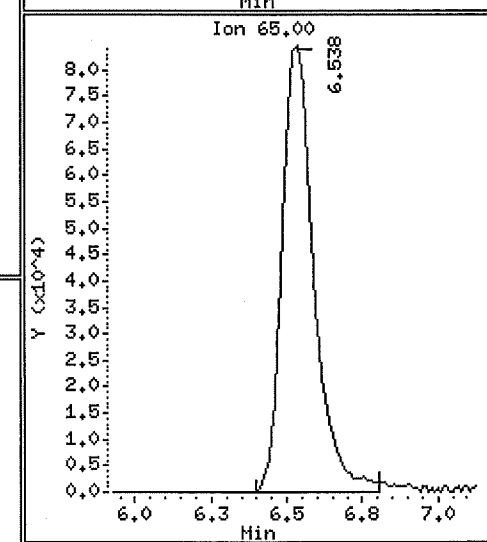












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13003.D

Date : 14-OCT-2000 03:43

Client ID: D13003

Instrument: md.i

Sample Info: DLH45101,,2,,0,1,0,8260BDA.M,D13003

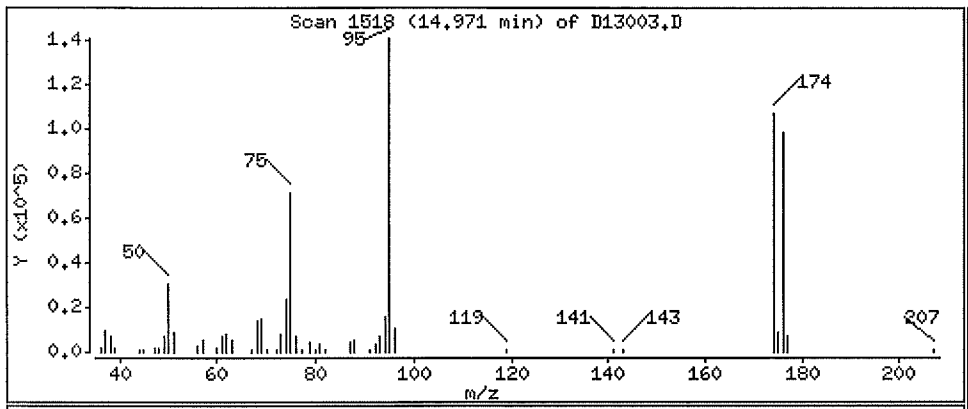
Operator: AD

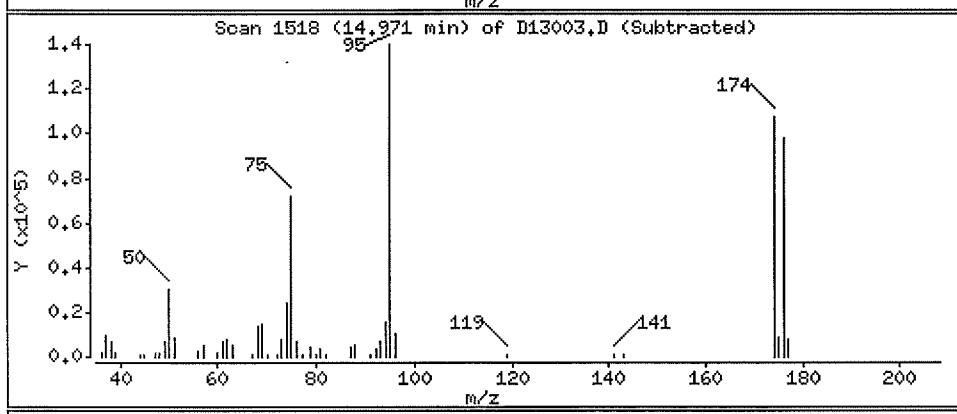
Column phase: J&W DB-624

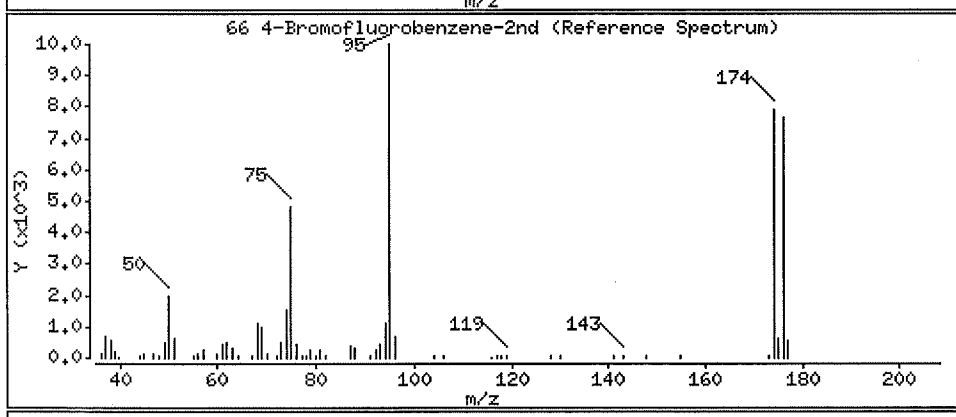
Column diameter: 0.53

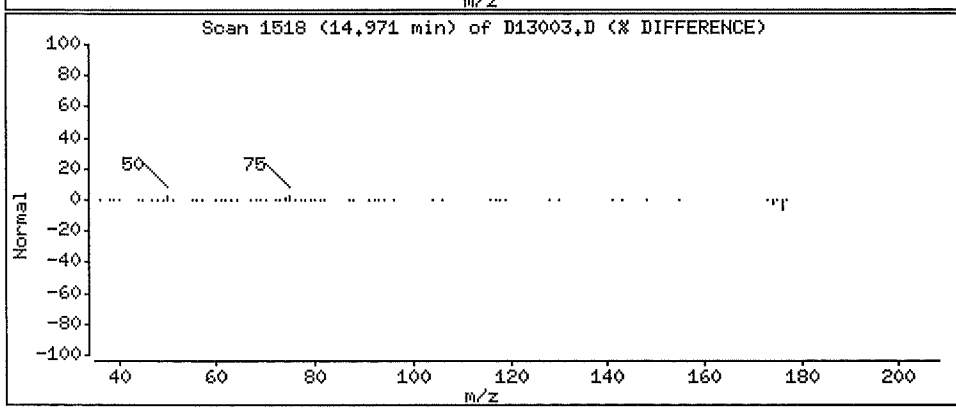
66 4-Bromofluorobenzene-2nd

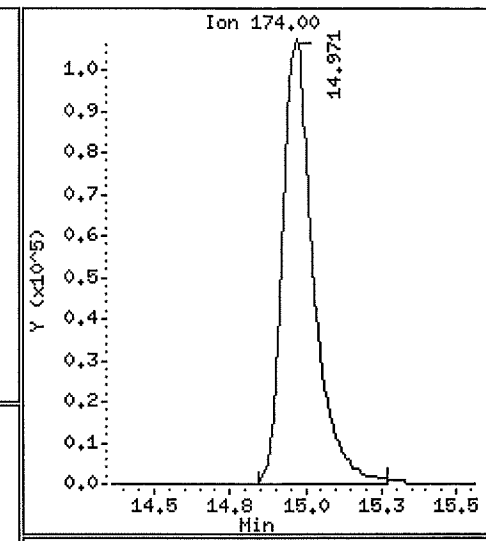
Concentration: 44.75 ug/Kg

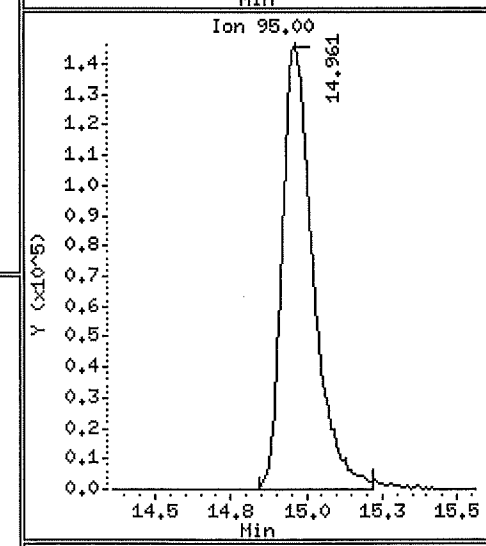


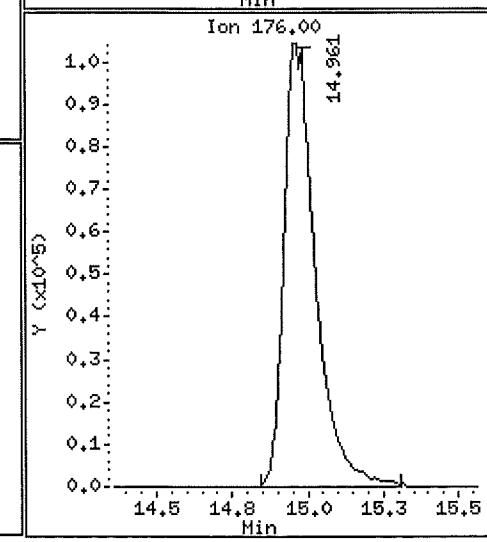












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13003.D

Date : 14-OCT-2000 03:43

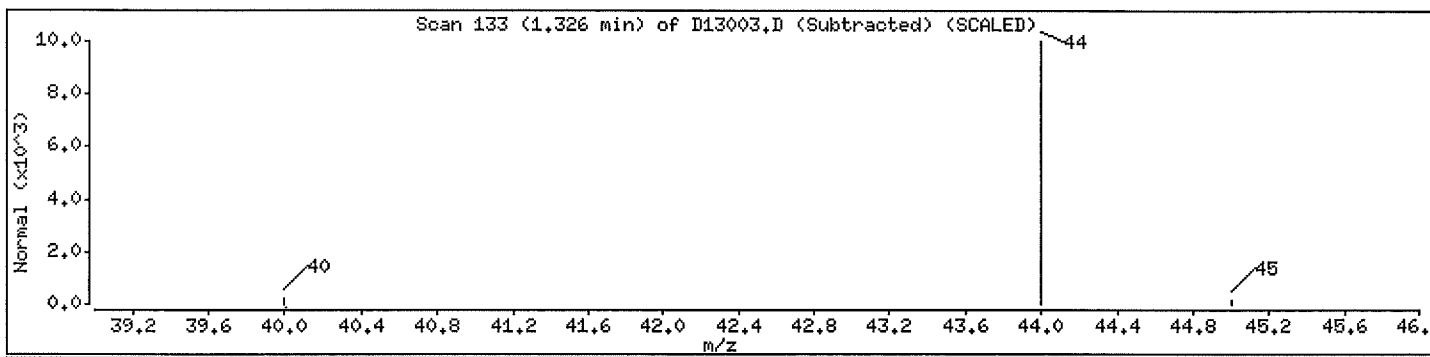
Client ID: D13003 Instrument: md.i

Sample Info: DLH45101,,2,,0,1,0,8260BDA.M,D13003

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13003.D

Date : 14-OCT-2000 03:43

Client ID: D13003

Instrument: md.i

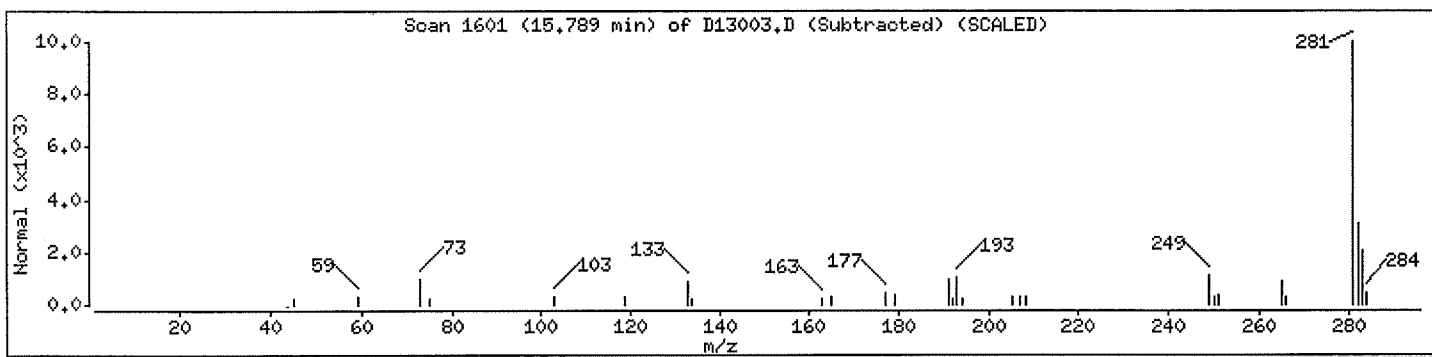
Sample Info: DLH45101,,2,,0,1,0,8260BDA.M,D13003

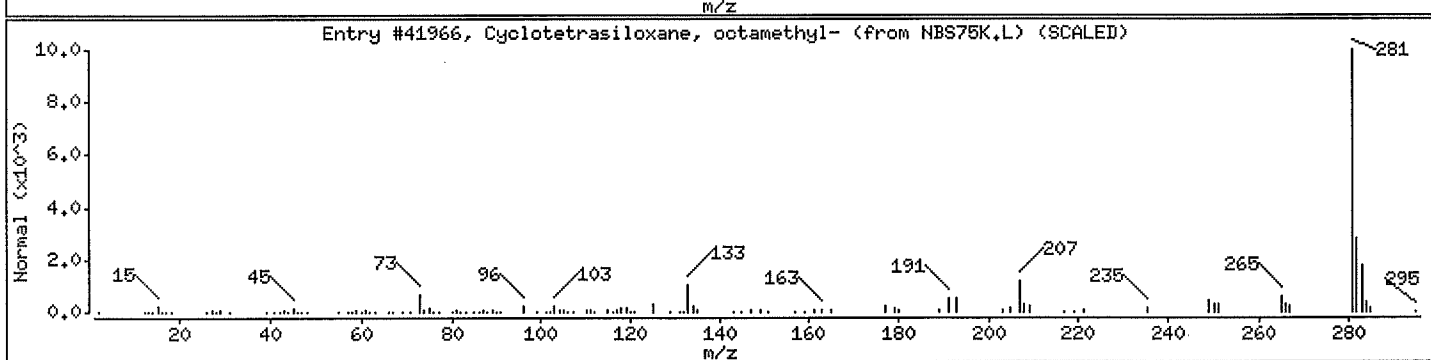
Operator: AD

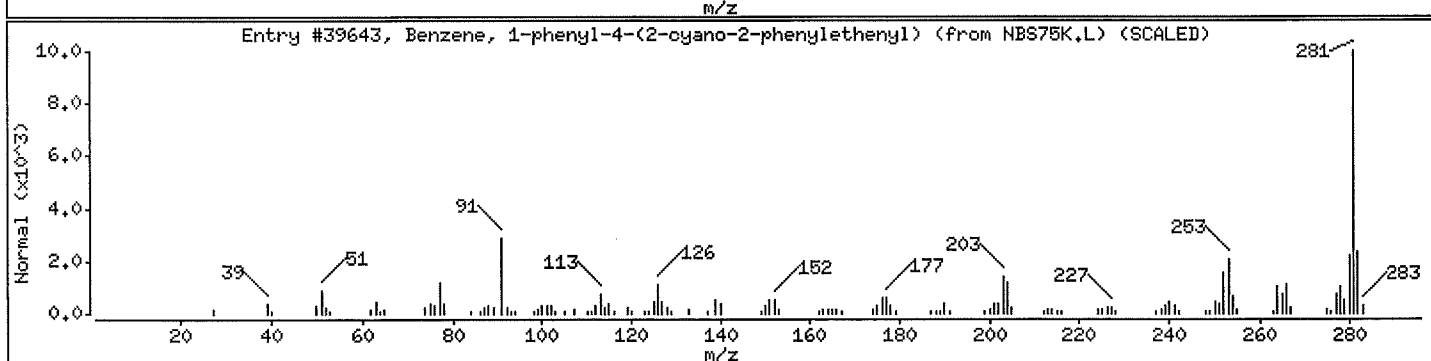
Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	86	C8H24O4Si4	296
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	NBS75K.L	39643	47	C21H15N	281







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Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13003.D

Date : 14-OCT-2000 03:43

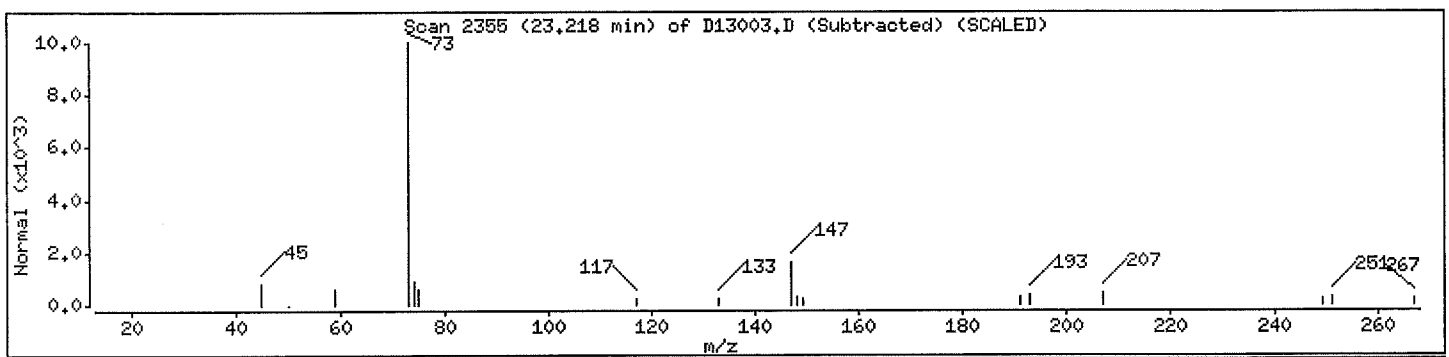
Client ID: D13003 Instrument: md.i

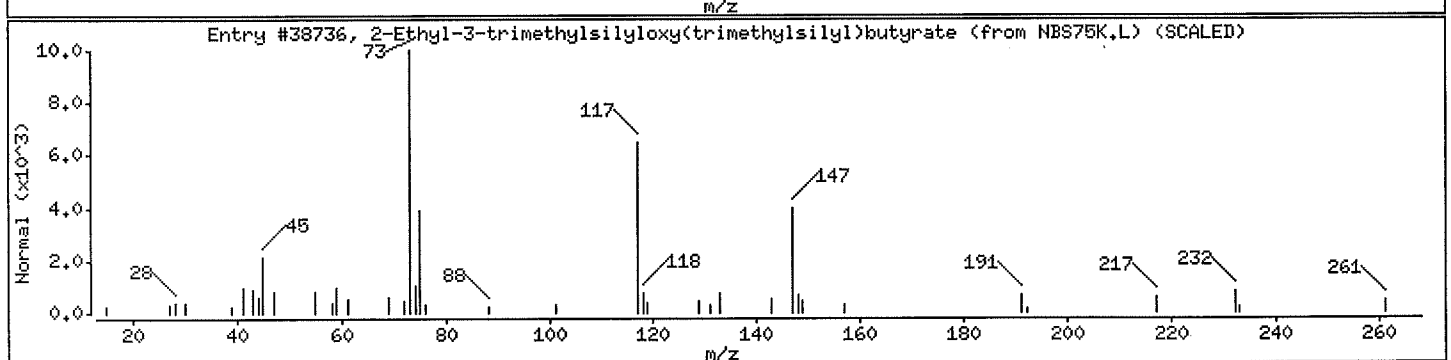
Sample Info: DLH45101,,2,,0,1,0,8260BDA.M,D13003

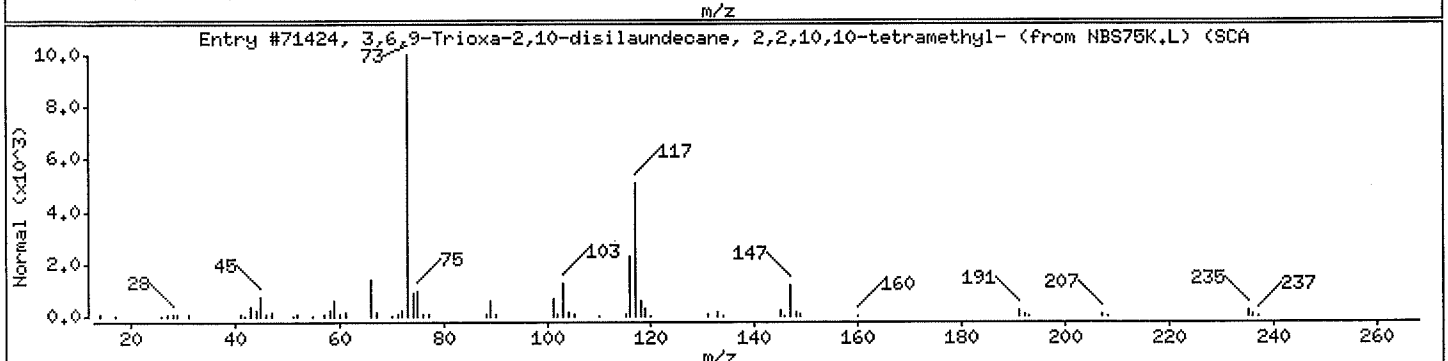
Operator: AD

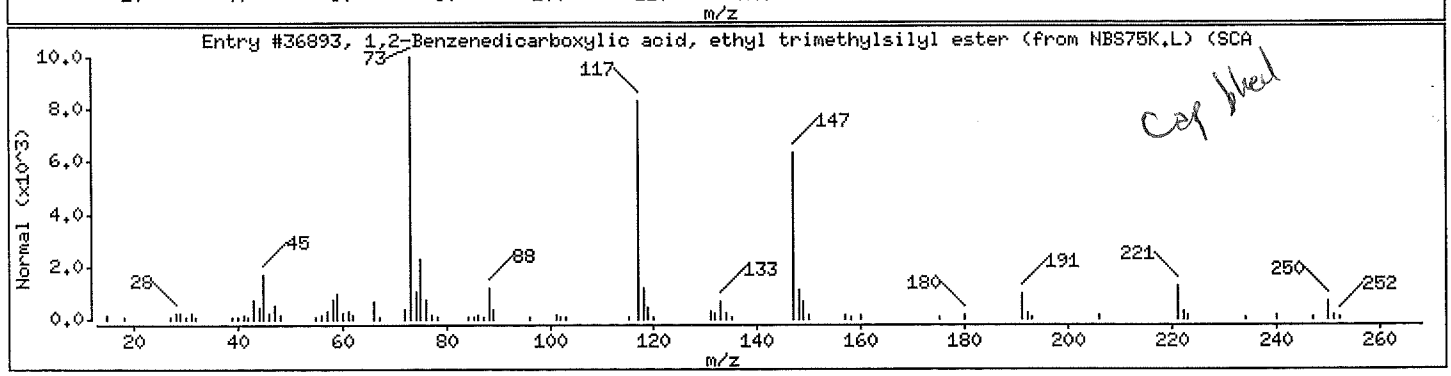
Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Ethyl-3-trimethylsilyloxy(trimethylsil	0-00-0	NBS75K.L	38736	36	C12H28O3Si2	276
3,6,9-Trioxa-2,10-disilaundecane, 2,2,10	16654-74-3	NBS75K.L	71424	33	C10H26O3Si2	250
1,2-Benzenedicarboxylic acid, ethyl trim	55530-57-9	NBS75K.L	36893	33	C13H18O4Si	266









Cal Sheet

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13004.D
Lab Smp Id: DLH46101 Client Smp ID: D13004
Inj Date : 14-OCT-2000 04:15
Operator : AD Inst ID: md.i
Smp Info : DLH46101,,2,,0,1,0,8260BDA.M,D13004
Misc Info : E0J040125-17,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.864	2.883	(0.403)	29378	21.7206	21.72(Q)
$ 29 Dibromofluoromethane	111	5.997	6.006	(0.845)	772238	44.4390	44.44
$ 33 1,2-Dichloroethane-d4	65	6.529	6.529	(0.920)	597500	50.9399	50.94
34 1,2-Dichloroethane-d4 2nd	102	6.549	6.529	(0.922)	109170	46.1332	46.13
* 38 Fluorobenzene	96	7.101	7.100	(1.000)	1221710	50.0000	
$ 47 Toluene-d8	98	9.938	9.928	(0.787)	1187907	45.7762	45.78
* 56 Chlorobenzene-d5	117	12.628	12.617	(1.000)	1120978	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.973	14.962	(0.867)	708831	45.6910	45.69
$ 67 4-Bromofluorobenzene	95	14.963	14.962	(0.866)	966483	46.6771	46.68
* 79 1,4-Dichlorobenzene-d4	152	17.278	17.277	(1.000)	779110	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13004.D
Lab Smp Id: DLH46101 Client Smp ID: D13004
Inj Date : 14-OCT-2000 04:15
Operator : AD Inst ID: md.i
Smp Info : DLH46101,,2,,0,1,0,8260BDA.M,D13004
Misc Info : E0J040125-17,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.101	2920891	50.000
* 79 1,4-Dichlorobenzene-d4	17.278	4779492	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.327	543755	9.30802766	9.31	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.771	863767	9.03617641	9.04	64	NBS75K.L	41966	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH46101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13004
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CO2	1.327	9.31	J
2. 556-67-2	~~Cyclotetrasiloxane,~~ octamet	15.771	9.04	NJ

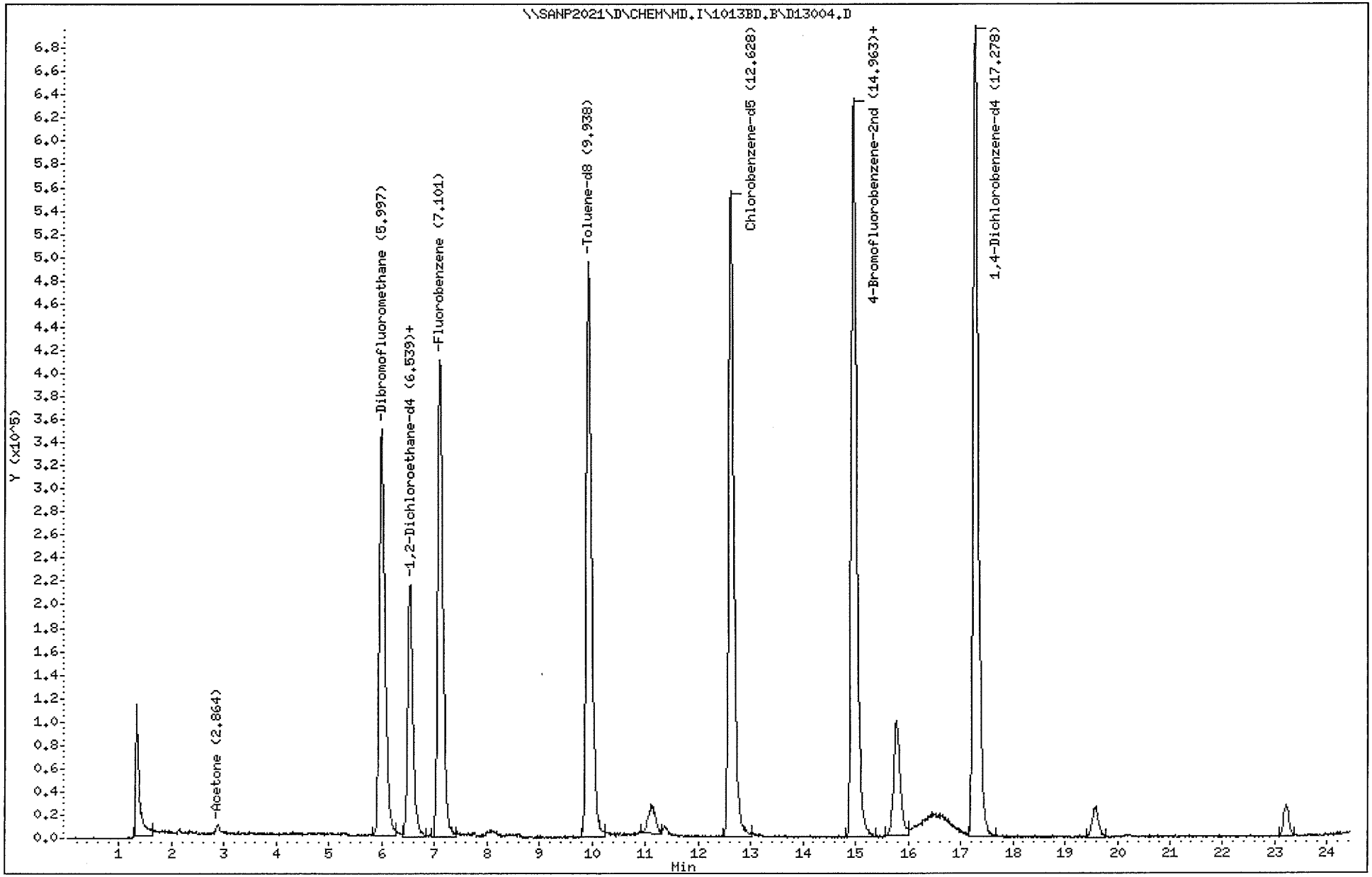
cap bleed

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13004.D
Date : 14-OCT-2000 04:15
Client ID: D13004
Sample Info: DLH46101,,2,,0,1,0,8260BDA.M,D13004

Column phase: J&W DB-624

Instrument: md.i

Operator: AD
Column diameter: 0.53



000537

BOE-C6-0155202

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13004.D

Date : 14-OCT-2000 04:15

Client ID: D13004

Instrument: md.i

Sample Info: DLH46101,,2,,0,1,0,8260BDA.M,D13004

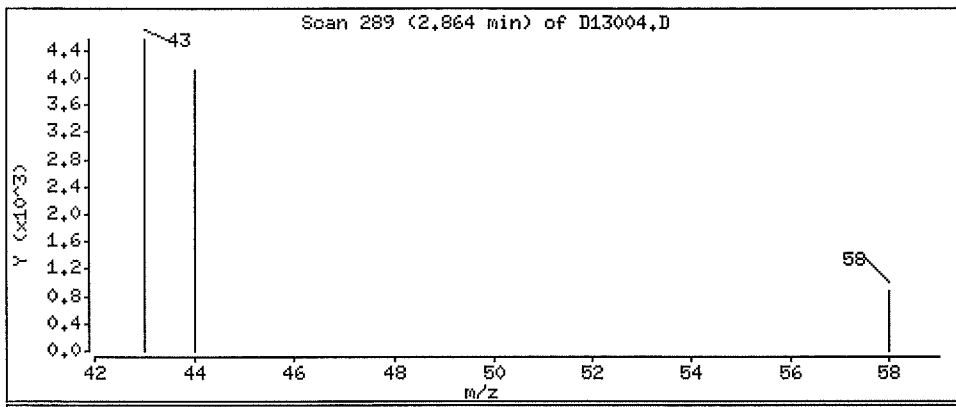
Operator: AD

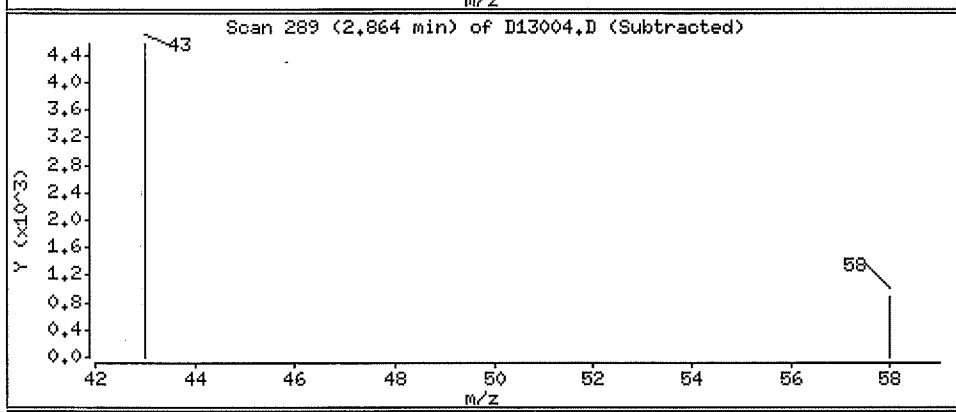
Column phase: J&W DB-624

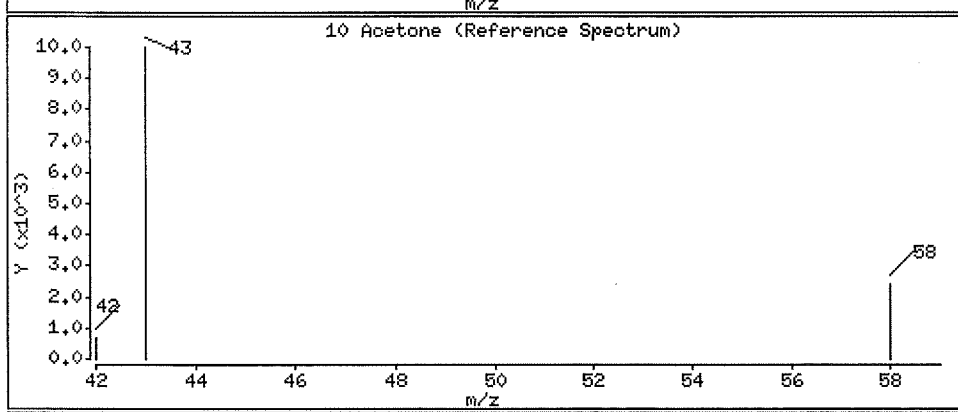
Column diameter: 0.53

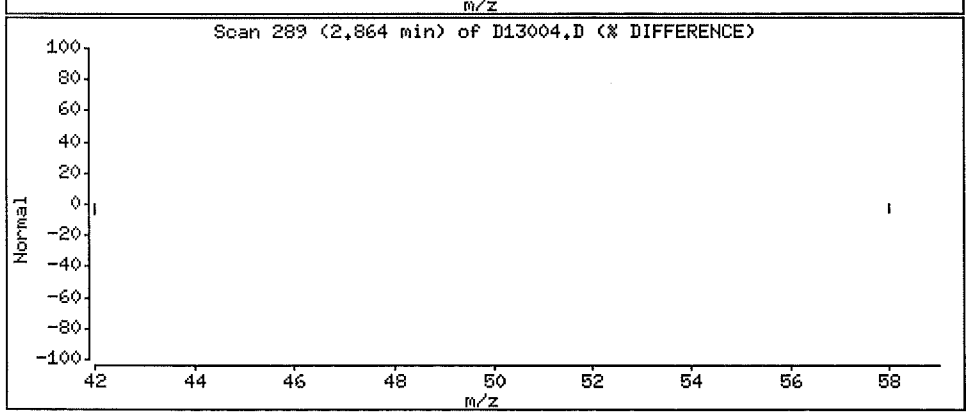
10 Acetone

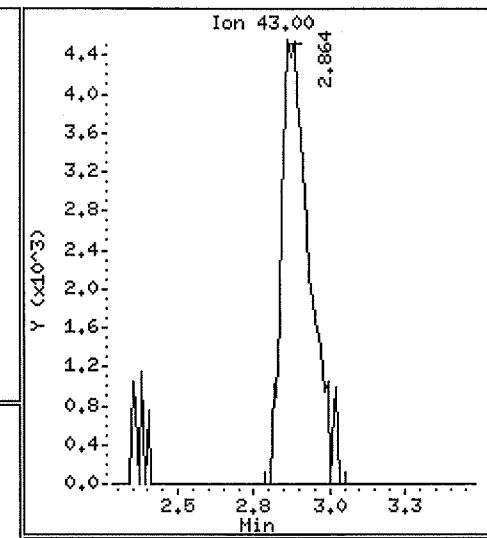
Concentration: 21.72 ug/Kg

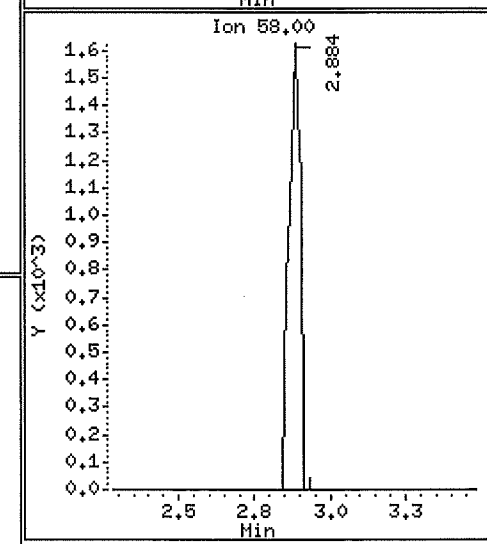












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13004.D

Date : 14-OCT-2000 04:15

Client ID: D13004

Instrument: md.i

Sample Info: DLH46101,,2,,0,1,0,8260BDA.M,D13004

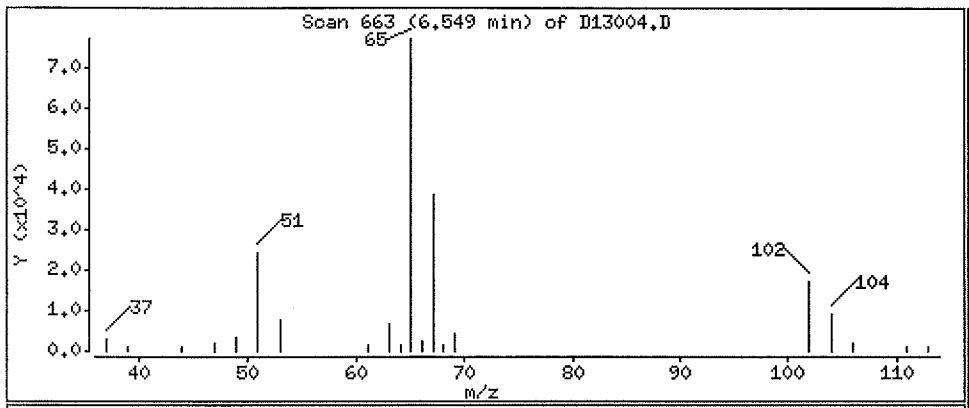
Operator: AD

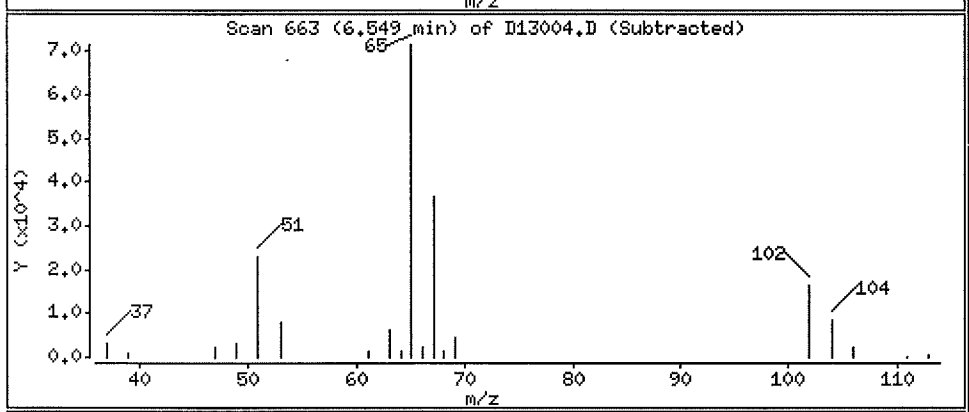
Column phase: J&W DB-624

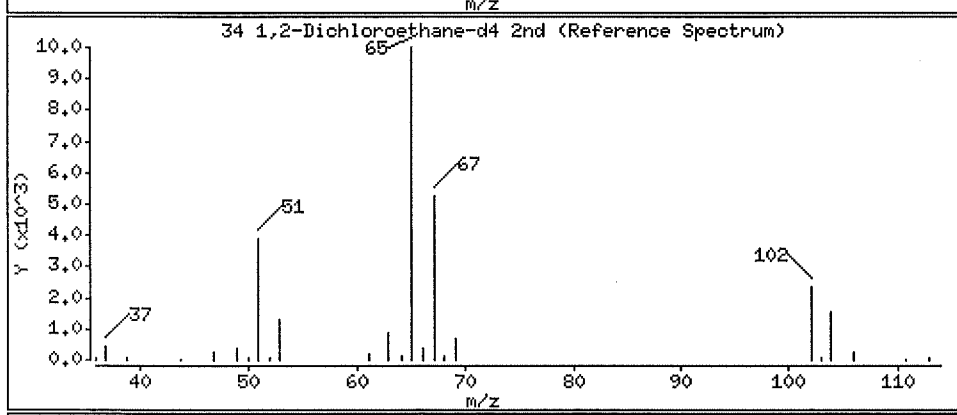
Column diameter: 0.53

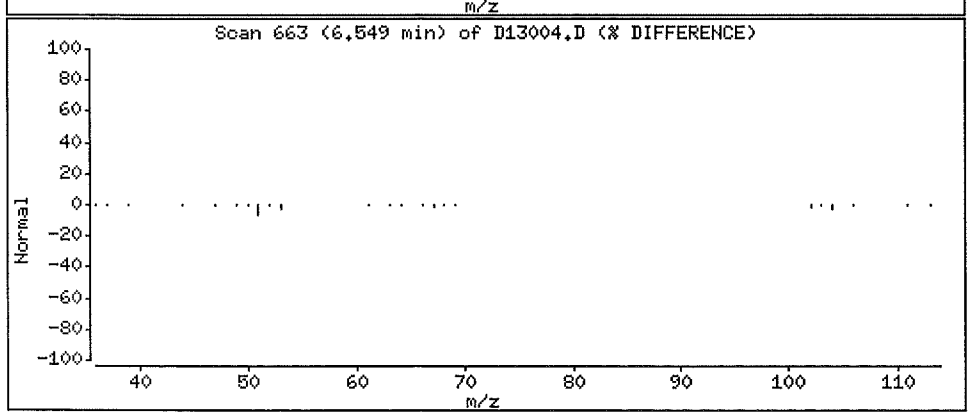
34 1,2-Dichloroethane-d4 2nd

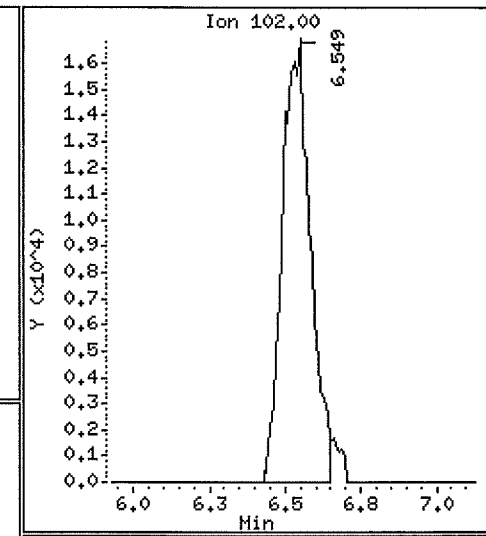
Concentration: 46.13 ug/Kg

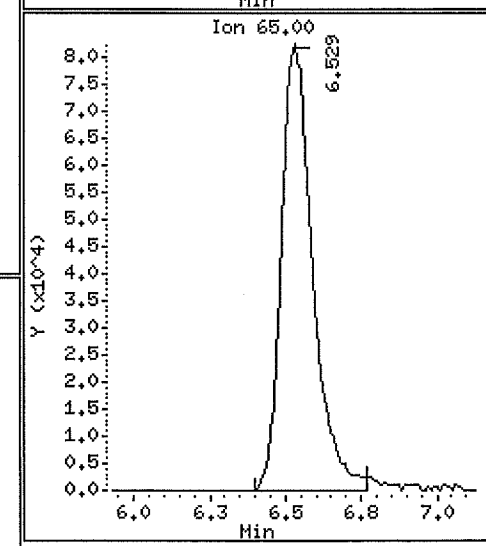












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13004.D

Date : 14-OCT-2000 04:15

Client ID: D13004

Instrument: md.i

Sample Info: DLH46101,,2,,0,1,0,8260BDA.M,D13004

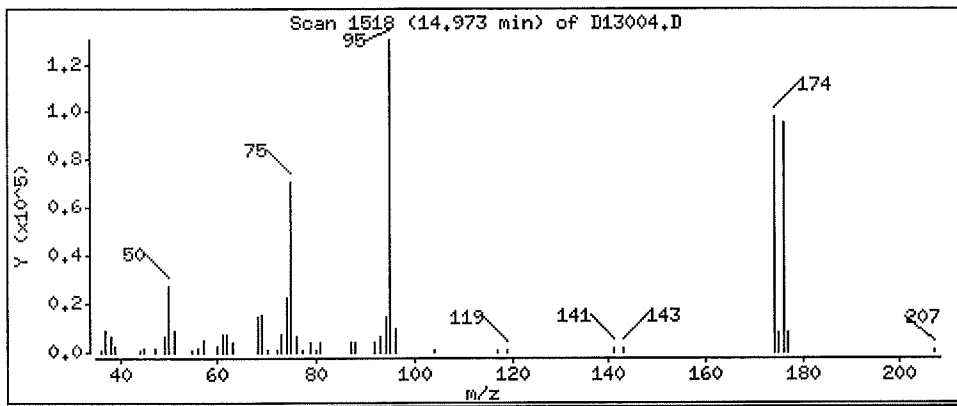
Operator: AD

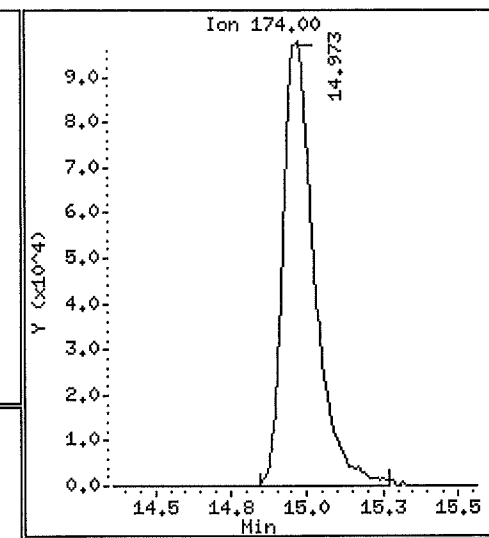
Column phase: J&W DB-624

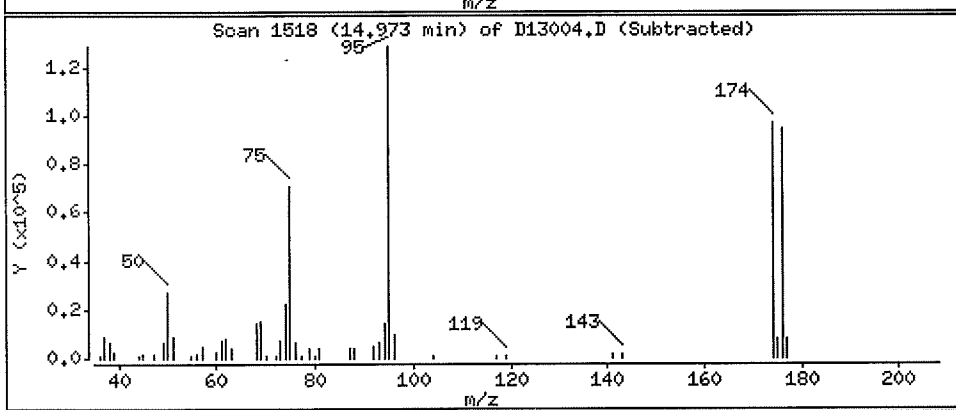
Column diameter: 0.53

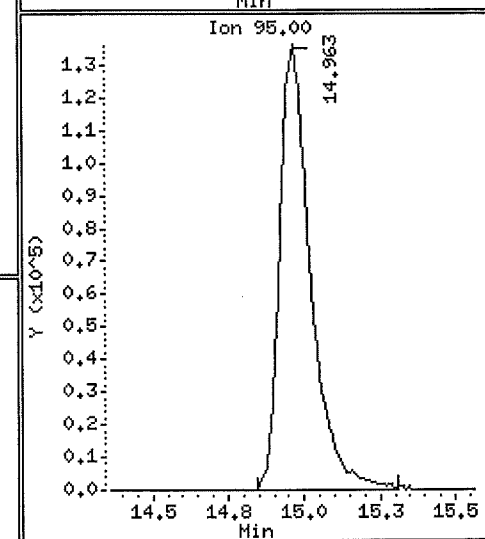
66 4-Bromofluorobenzene-2nd

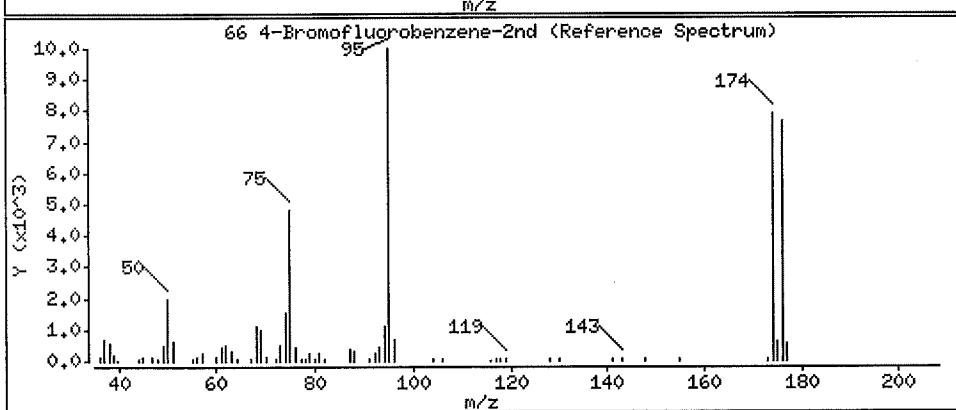
Concentration: 45.69 ug/Kg

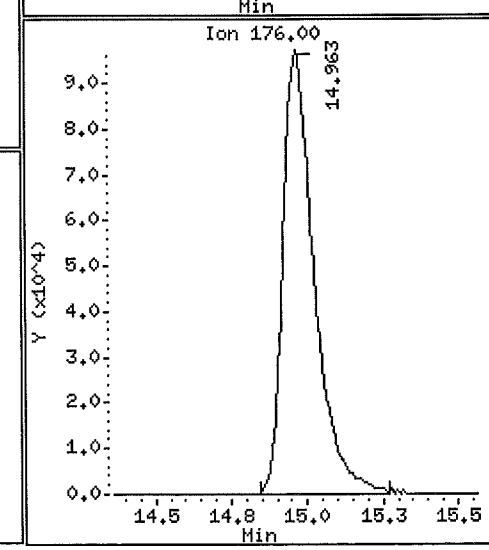


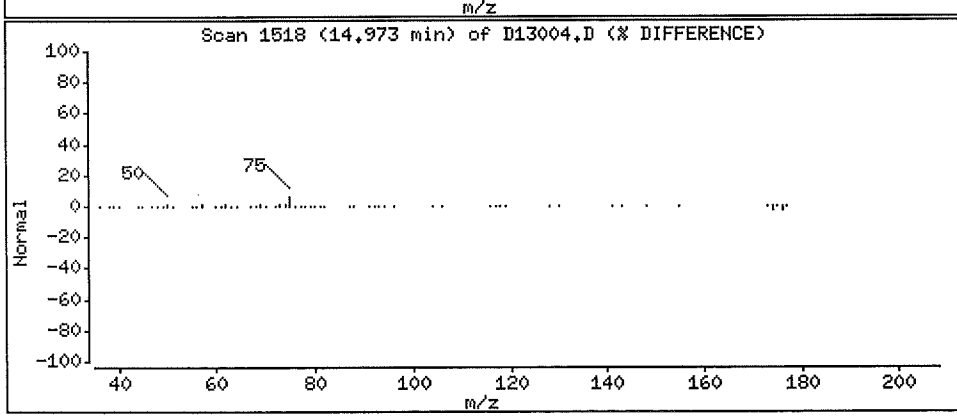












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13004.D

Date : 14-OCT-2000 04:15

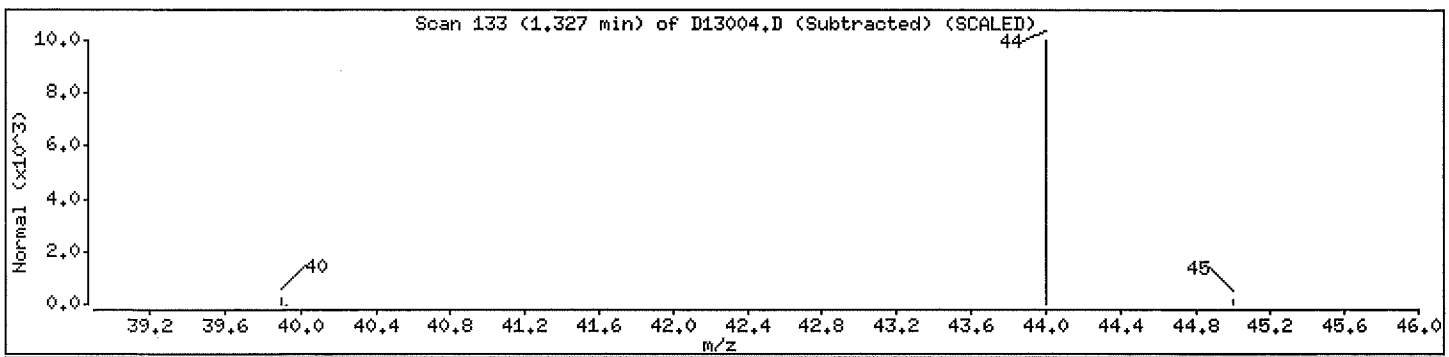
Client ID: D13004 Instrument: md.i

Sample Info: DLH46101,,2,,0,1,0,8260BDA.M,D13004

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



JOV

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13004.D

Date : 14-OCT-2000 04:15

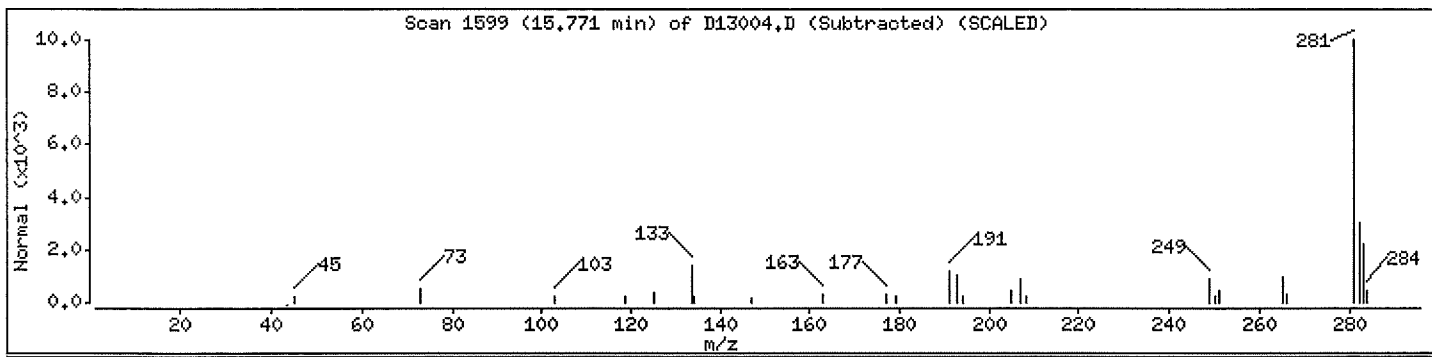
Client ID: D13004 Instrument: md.i

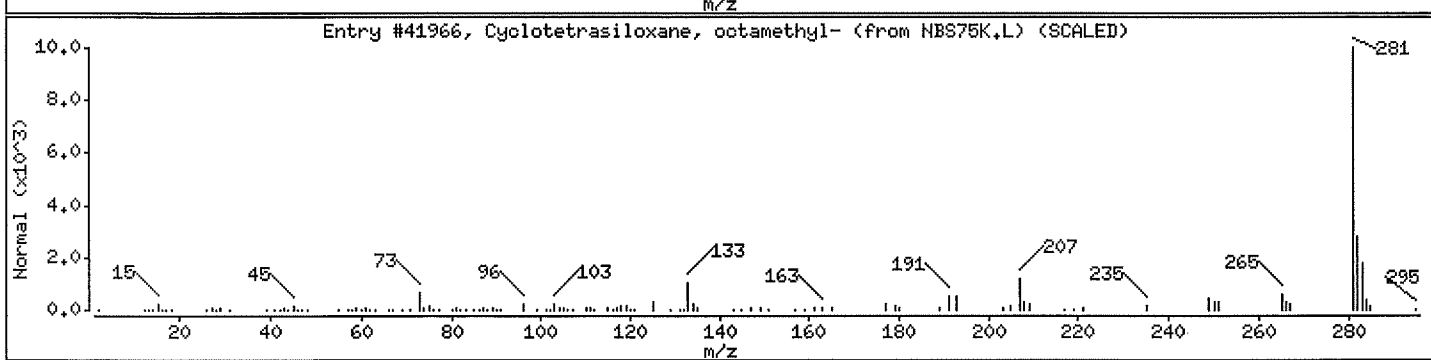
Sample Info: DLH46101,,2,,0,1,0,8260BDA.M,D13004

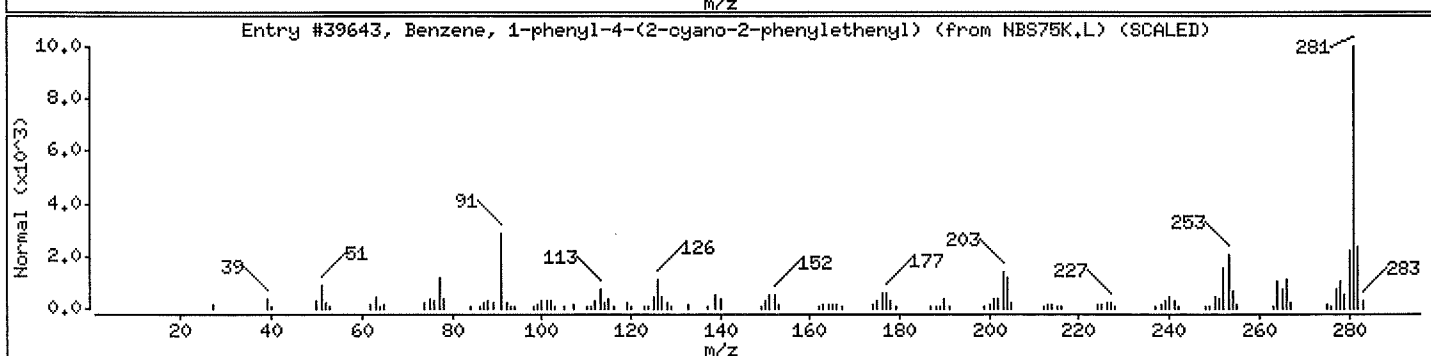
Operator: AD

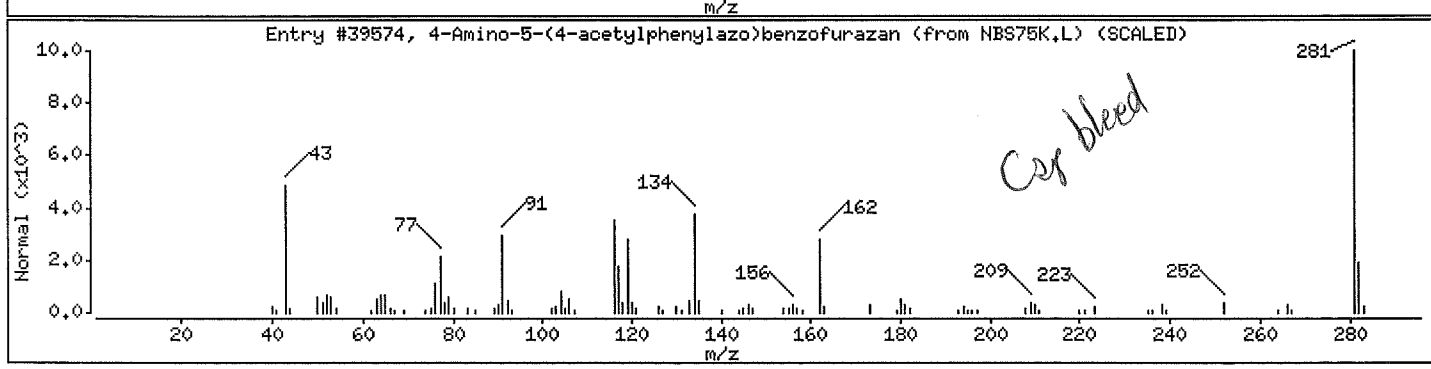
Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	64	C8H24O4Si4	296
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	NBS75K.L	39643	50	C21H15N	281
4-Amino-5-(4-acetylphenylazo)benzofuraza	0-00-0	NBS75K.L	39574	23	C14H11N5O2	281









STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13005.D
Lab Smp Id: DLH47101 Client Smp ID: D13005
Inj Date : 14-OCT-2000 04:47
Operator : AD Inst ID: md.i
Smp Info : DLH47101,,2,,0,1,0,8260BDA.M,D13005
Misc Info : E0J040125-18,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.883	2.883	(0.407)	12110	8.45451	8.45
$ 29 Dibromofluoromethane	111	5.996	6.006	(0.846)	785414	42.6782	42.68
$ 33 1,2-Dichloroethane-d4	65	6.528	6.529	(0.921)	619041	49.8350	49.83
34 1,2-Dichloroethane-d4 2nd	102	6.518	6.529	(0.919)	116173	46.3566	46.36
* 38 Fluorobenzene	96	7.090	7.100	(1.000)	1293819	50.0000	
$ 47 Toluene-d8	98	9.927	9.928	(0.786)	1232900	44.5433	44.54
* 56 Chlorobenzene-d5	117	12.626	12.617	(1.000)	1195637	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.961	14.962	(0.866)	747867	44.0882	44.09
$ 67 4-Bromofluorobenzene	95	14.961	14.962	(0.866)	1031550	45.5628	45.56
* 79 1,4-Dichlorobenzene-d4	152	17.277	17.277	(1.000)	851899	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13005.D
Lab Smp Id: DLH47101 Client Smp ID: D13005
Inj Date : 14-OCT-2000 04:47
Operator : AD Inst ID: md.i
Smp Info : DLH47101,,2,,0,1,0,8260BDA.M,D13005
Misc Info : E0J040125-18,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.090	3059554	50.000
* 79 1,4-Dichlorobenzene-d4	17.277	5246210	50.000

RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.326	587919	9.60791431	9.61	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.789	637645	6.07719559	6.08	78	NBS75K.L	41966	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH47101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13005
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

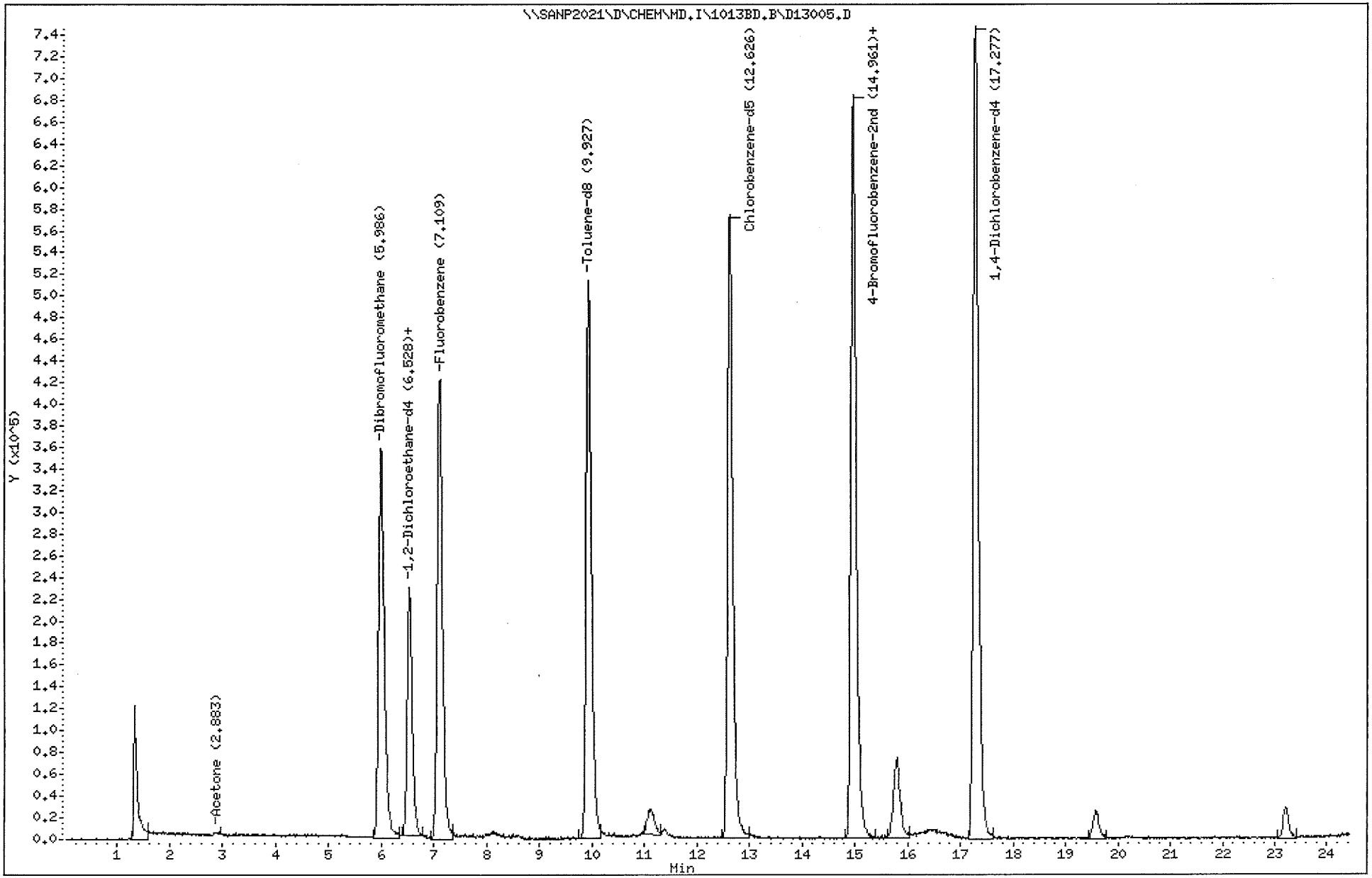
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.326	9.61	J
2. 556-67-2	~~Cyclotetrasiloxane, octamet~~ Cap bleed	15.789	6.08	NJ

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13005.D
Date : 14-OCT-2000 04:47
Client ID: D13005
Sample Info: DLH47101,,2,,0,1,0,8260BDA.M,D13005

Column phase: J&W DB-624

Instrument: md.i

Operator: AD
Column diameter: 0.53



000547

BOE-C6-0155212

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13005.D

Date : 14-OCT-2000 04:47

Client ID: D13005

Instrument: md.i

Sample Info: DLH47101,,2,,0,1,0,8260BDA.M,D13005

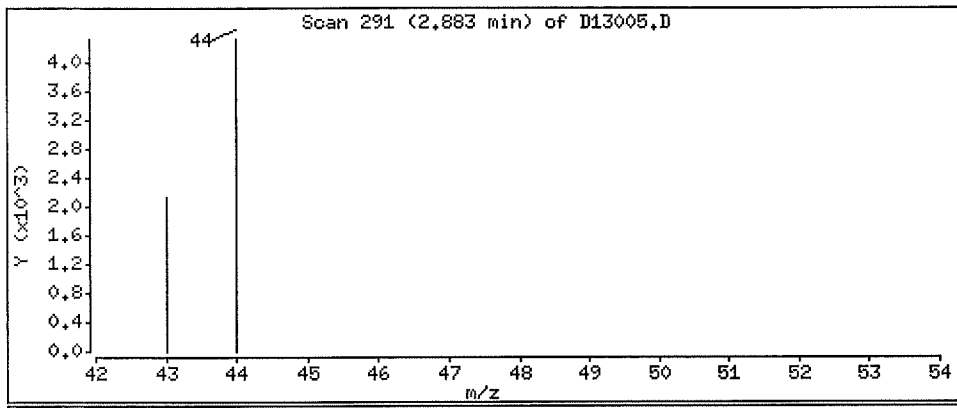
Operator: AD

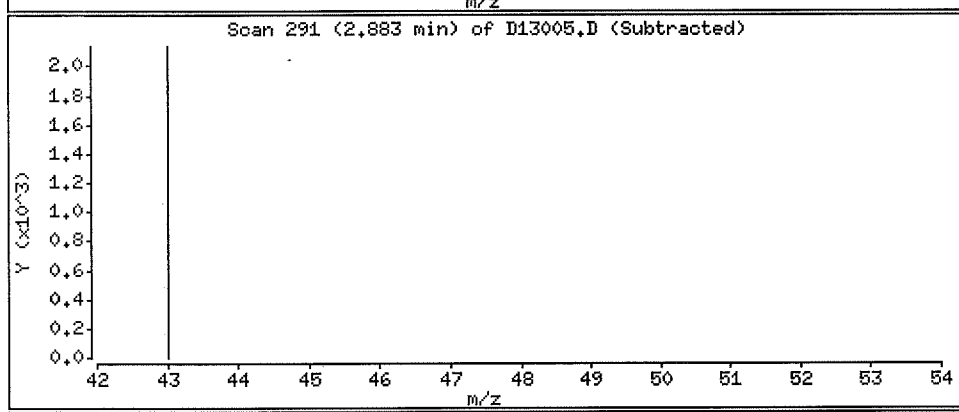
Column phase: J&W DB-624

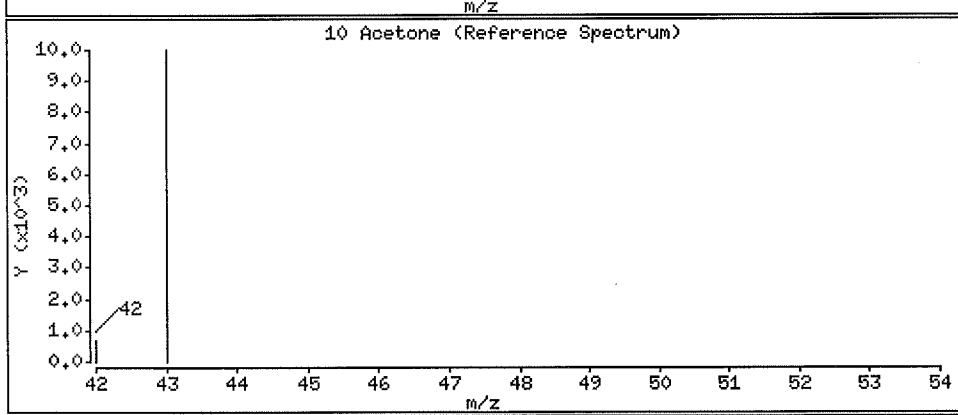
Column diameter: 0.53

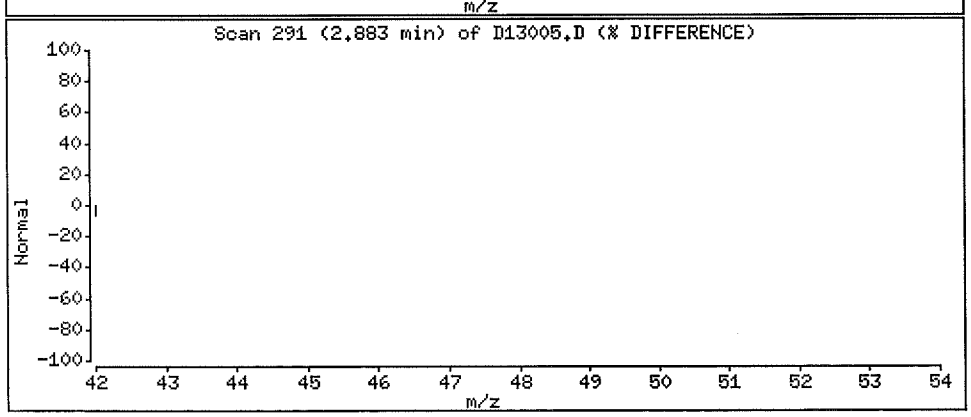
10 Acetone

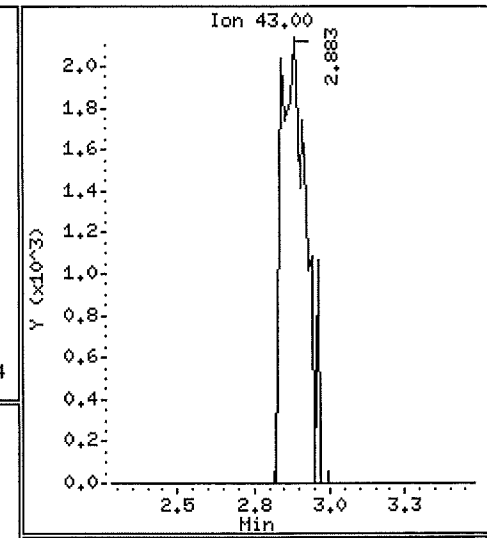
Concentration: 8.45 ug/Kg

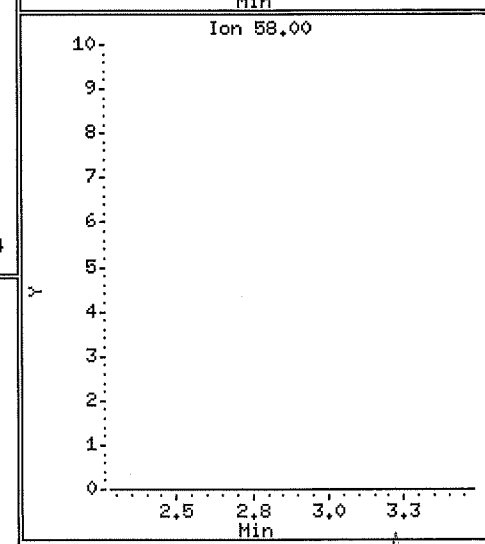












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13005.D

Date : 14-OCT-2000 04:47

Client ID: D13005

Instrument: md.i

Sample Info: DLH47101,,2,,0,1,0,8260BDA.M,D13005

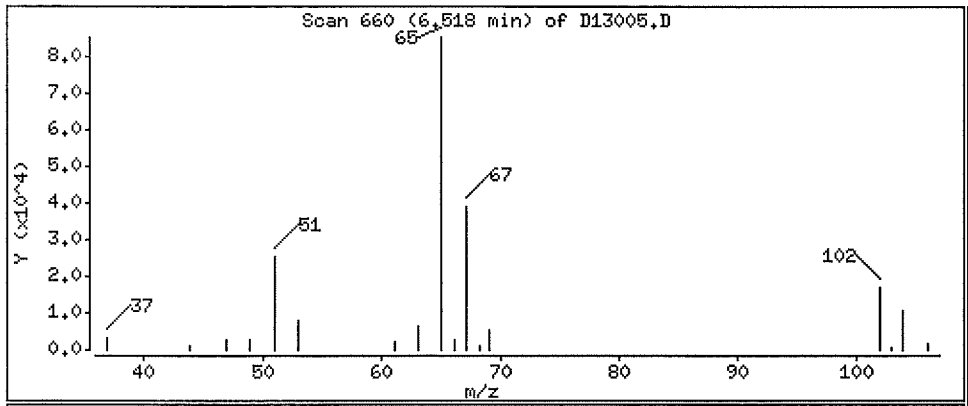
Operator: AD

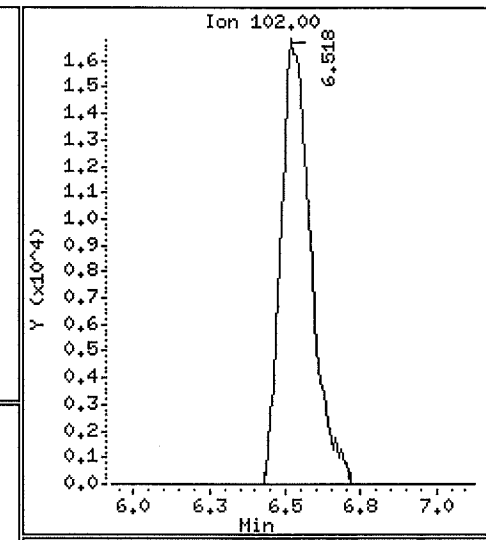
Column phase: J&W DB-624

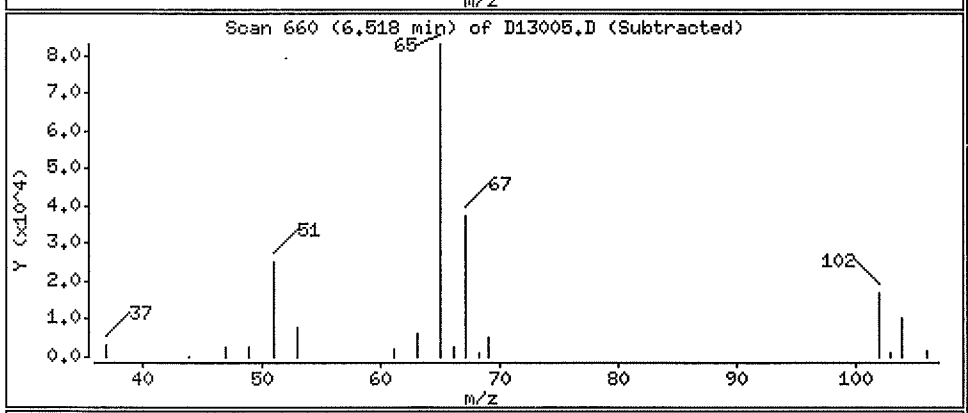
Column diameter: 0.53

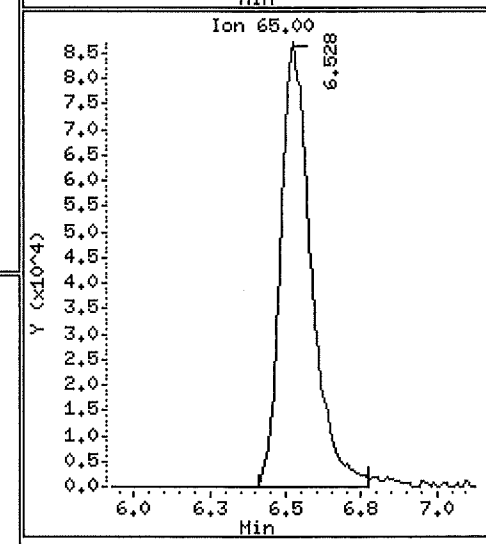
34 1,2-Dichloroethane-d4 2nd

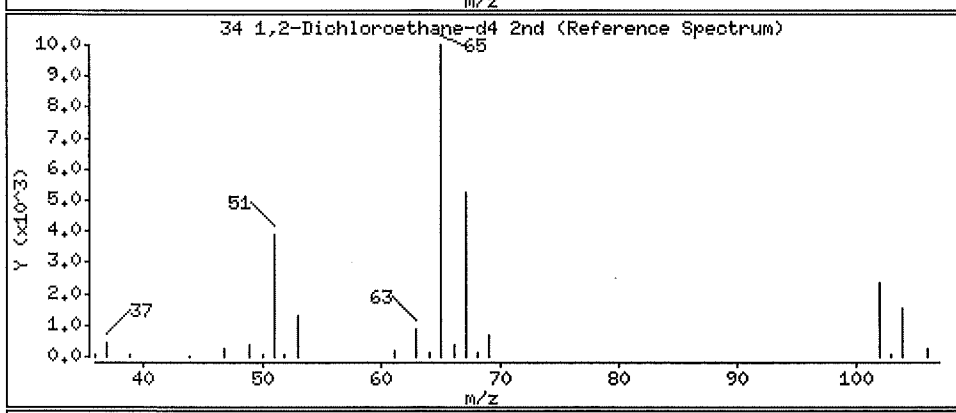
Concentration: 46.36 ug/Kg

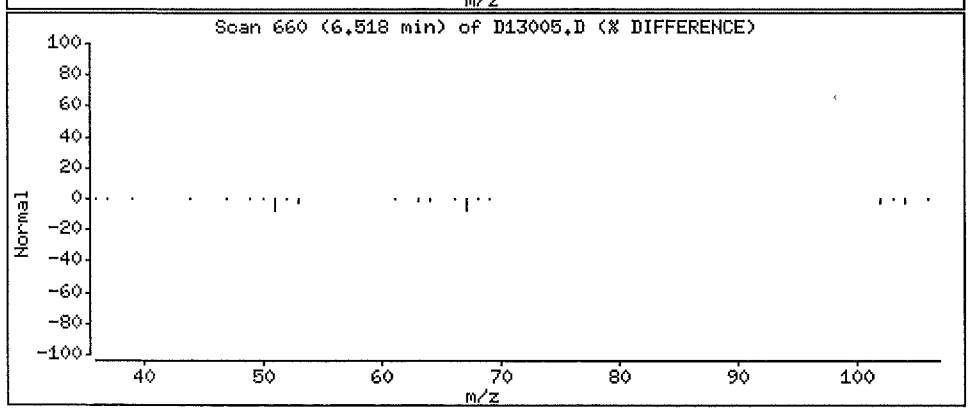












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13005.D

Date : 14-OCT-2000 04:47

Client ID: D13005

Instrument: md.i

Sample Info: DLH47101,,2,,0,1,0,8260BDA.M,D13005

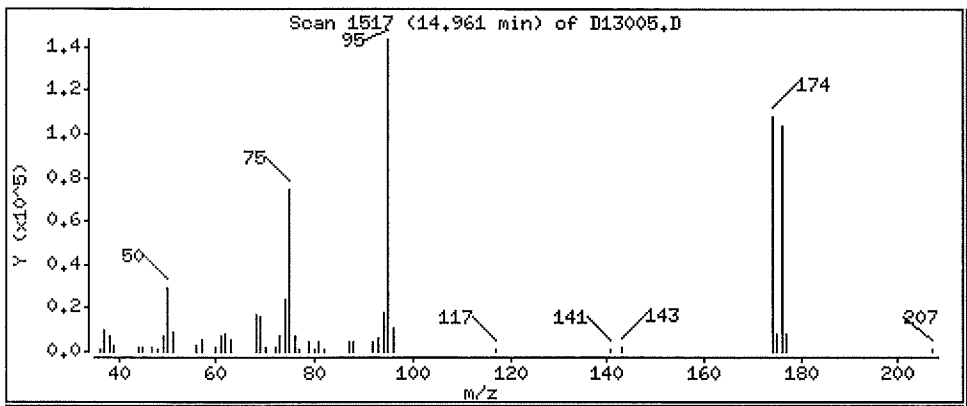
Operator: AD

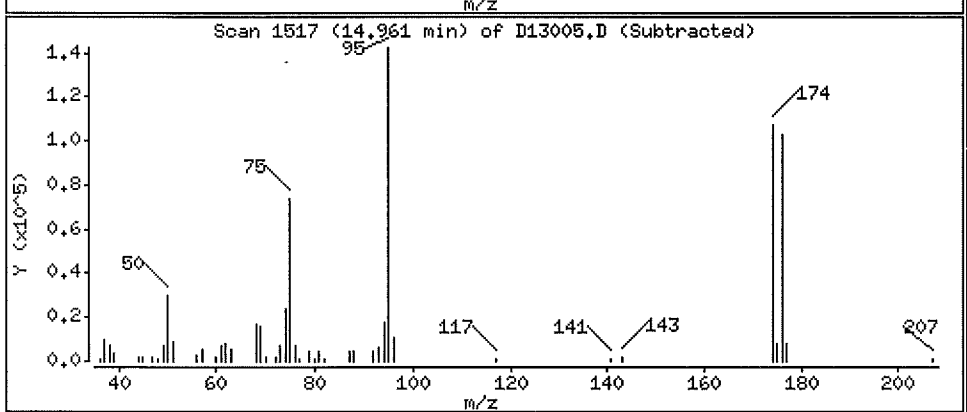
Column phase: J&W DB-624

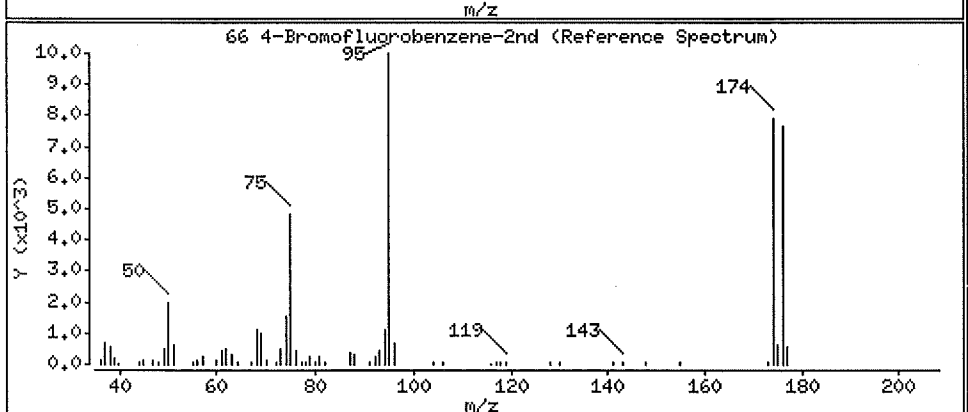
Column diameter: 0.53

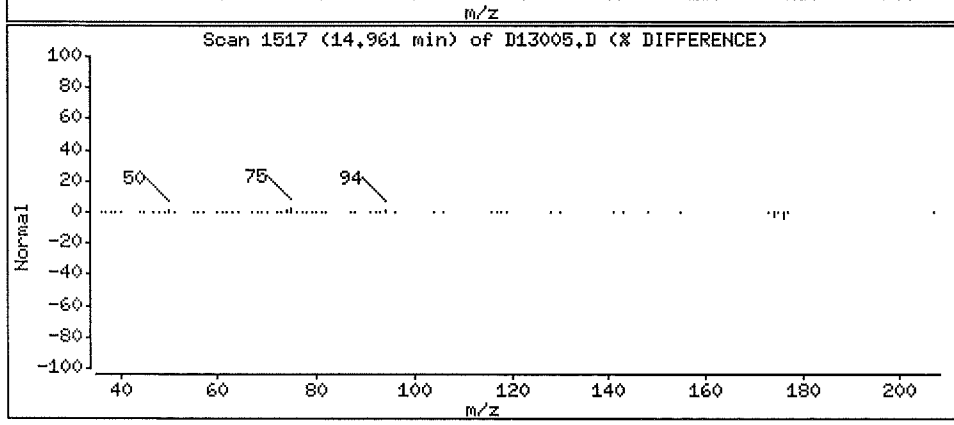
66 4-Bromofluorobenzene-2nd

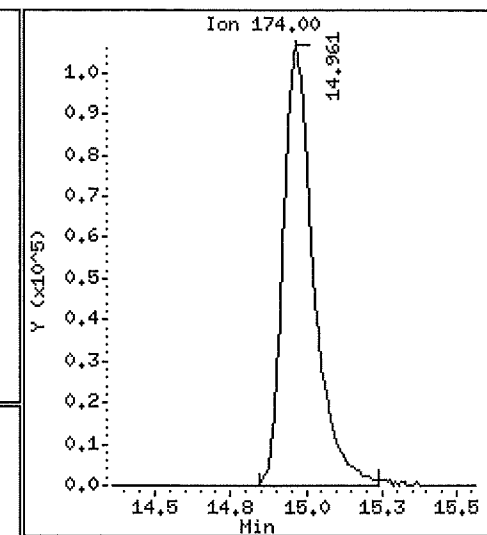
Concentration: 44.09 ug/Kg

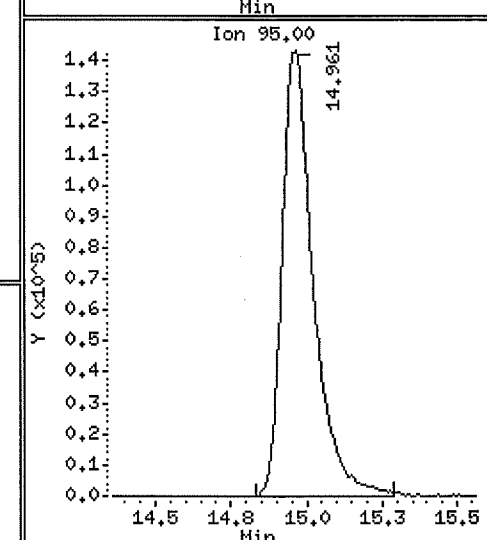


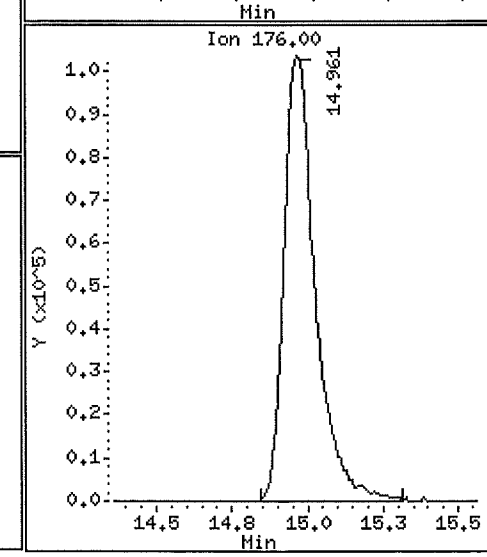












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13005.D

Date : 14-OCT-2000 04:47

Client ID: D13005

Instrument: md.i

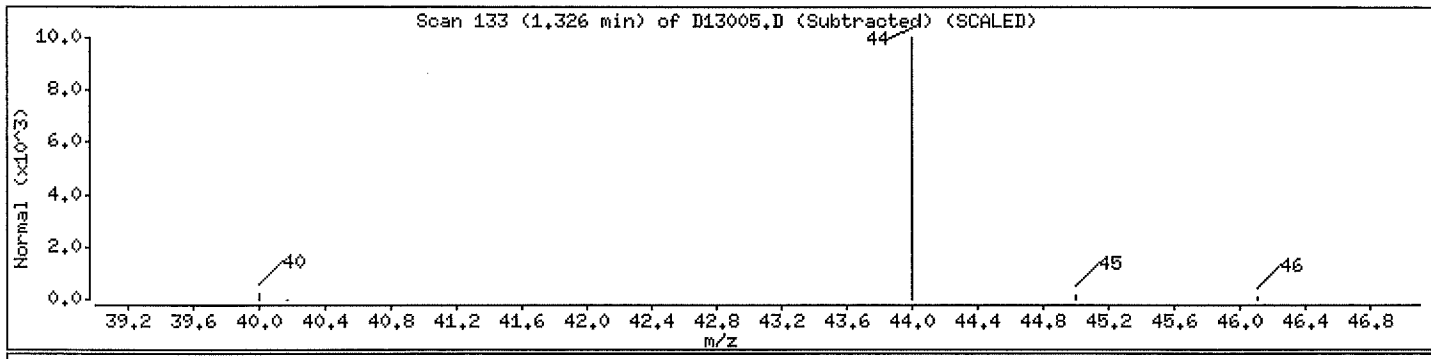
Sample Info: DLH47101,,2,,0,1,0,8260BDA.M,D13005

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13005.D

Date : 14-OCT-2000 04:47

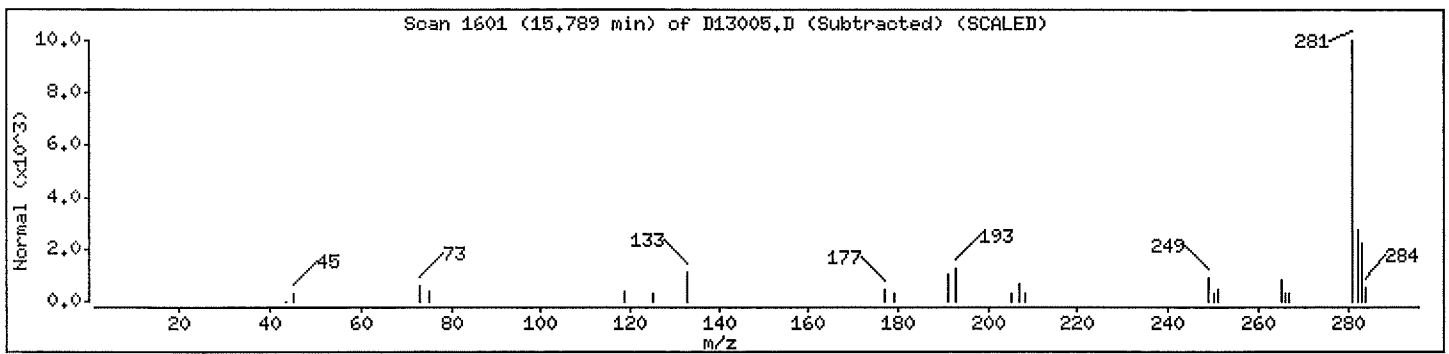
Client ID: D13005 Instrument: md.i

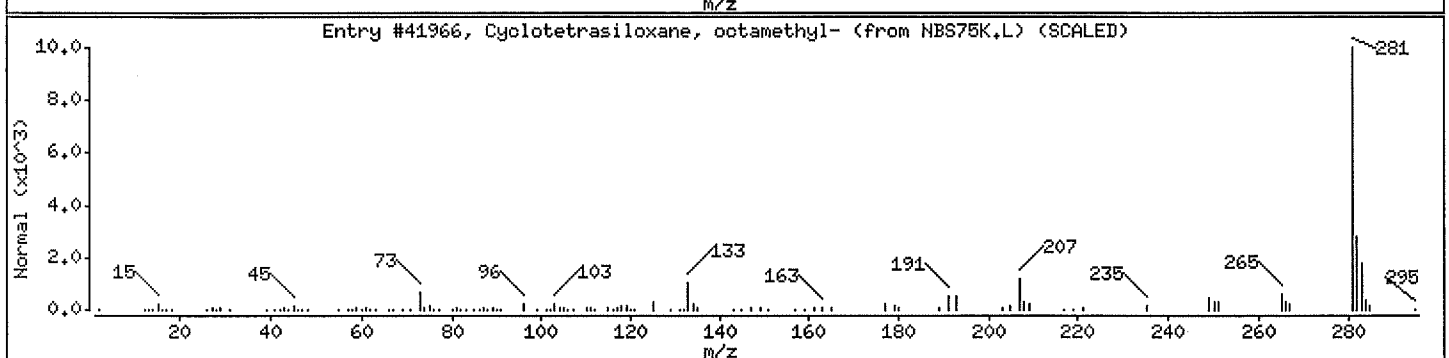
Sample Info: DLH47101,,2,,0,1,0,8260BDA.M,D13005

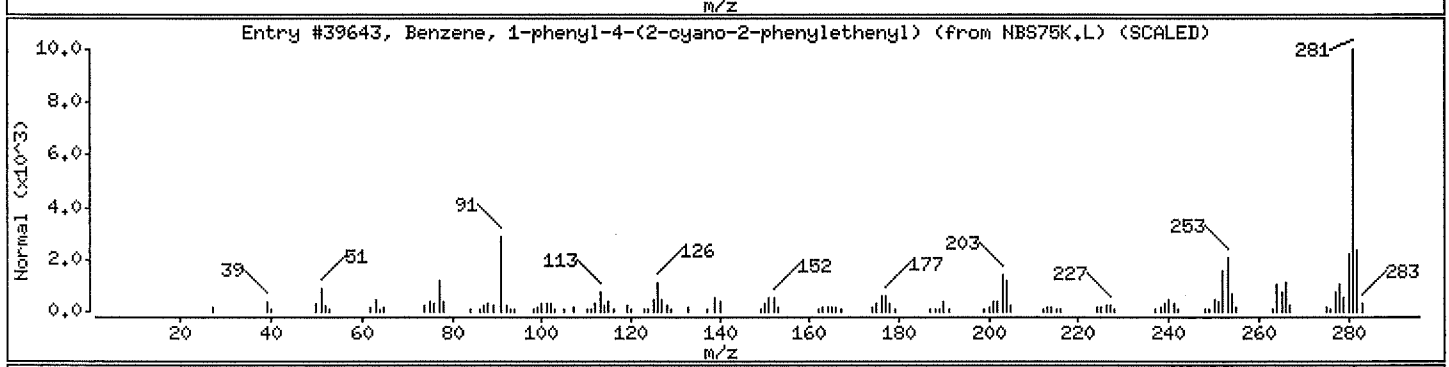
Operator: AD

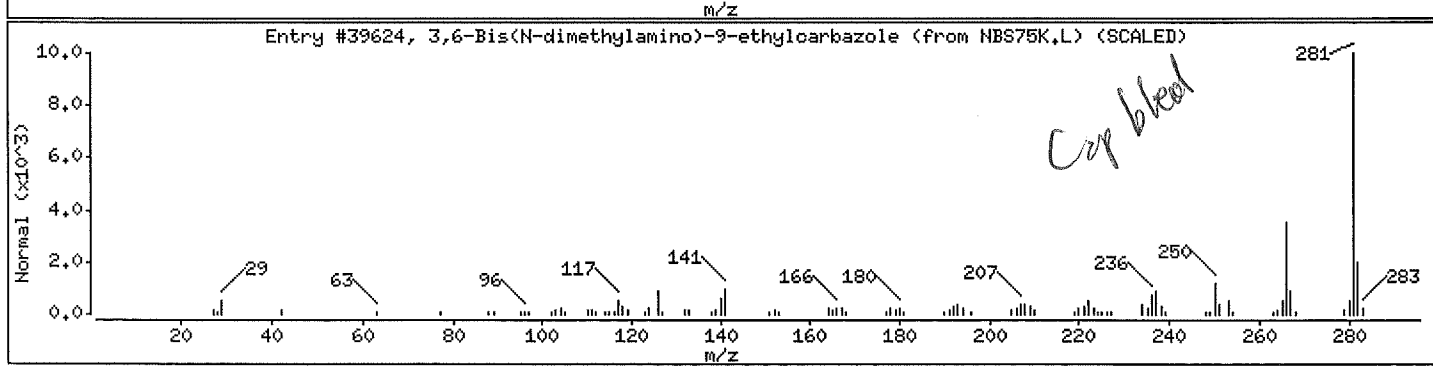
Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	78	C8H24O4Si4	296
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	NBS75K.L	39643	50	C21H15N	281
3,6-Bis(N-dimethylamino)-9-ethylcarbazol	57103-04-5	NBS75K.L	39624	25	C18H23N3	281









STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13006.D
Lab Smp Id: DLH48101 Client Smp ID: D13006
Inj Date : 14-OCT-2000 05:19
Operator : AD Inst ID: md.i
Smp Info : DLH48101,,2,,0,1,0,8260BDA.M,D13006
Misc Info : E0J040125-19,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
10 Acetone	43	2.879	2.883	(0.405)	10865	11.5981	11.60	
$ 29 Dibromofluoromethane	111	5.992	6.006	(0.843)	584990	48.6011	48.60	
$ 33 1,2-Dichloroethane-d4	65	6.525	6.529	(0.918)	421973	51.9385	51.94	
34 1,2-Dichloroethane-d4 2nd	102	6.544	6.529	(0.921)	77033	46.9971	47.00	
* 38 Fluorobenzene	96	7.106	7.100	(1.000)	846220	50.0000		
$ 47 Toluene-d8	98	9.933	9.928	(0.787)	838181	45.3528	45.35	
* 56 Chlorobenzene-d5	117	12.623	12.617	(1.000)	798340	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.958	14.962	(0.865)	516834	44.9084	44.91	
$ 67 4-Bromofluorobenzene	95	14.968	14.962	(0.866)	710048	46.2260	46.23	
* 79 1,4-Dichlorobenzene-d4	152	17.283	17.277	(1.000)	577976	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13006.D
Lab Smp Id: DLH48101 Client Smp ID: D13006
Inj Date : 14-OCT-2000 05:19
Operator : AD Inst ID: md.i
Smp Info : DLH48101,,2,,0,1,0,8260BDA.M,D13006
Misc Info : E0J040125-19,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.106	1982229	50.000
* 79 1,4-Dichlorobenzene-d4	17.283	3513268	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
1.323	481256	12.1392505	12.14	0		0	38
Cyclotetrasiloxane, octamethyl-					CAS #: 556-67-2		
15.796	638315	9.08435230	9.08	83	NBS75K.L	41966	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH48101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13006
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Coy	1.323	12.14	J
2. 556-67-2	~~Cyclotetrasiloxane, octamet~~ Cap bleed	15.796	9.08	NJ

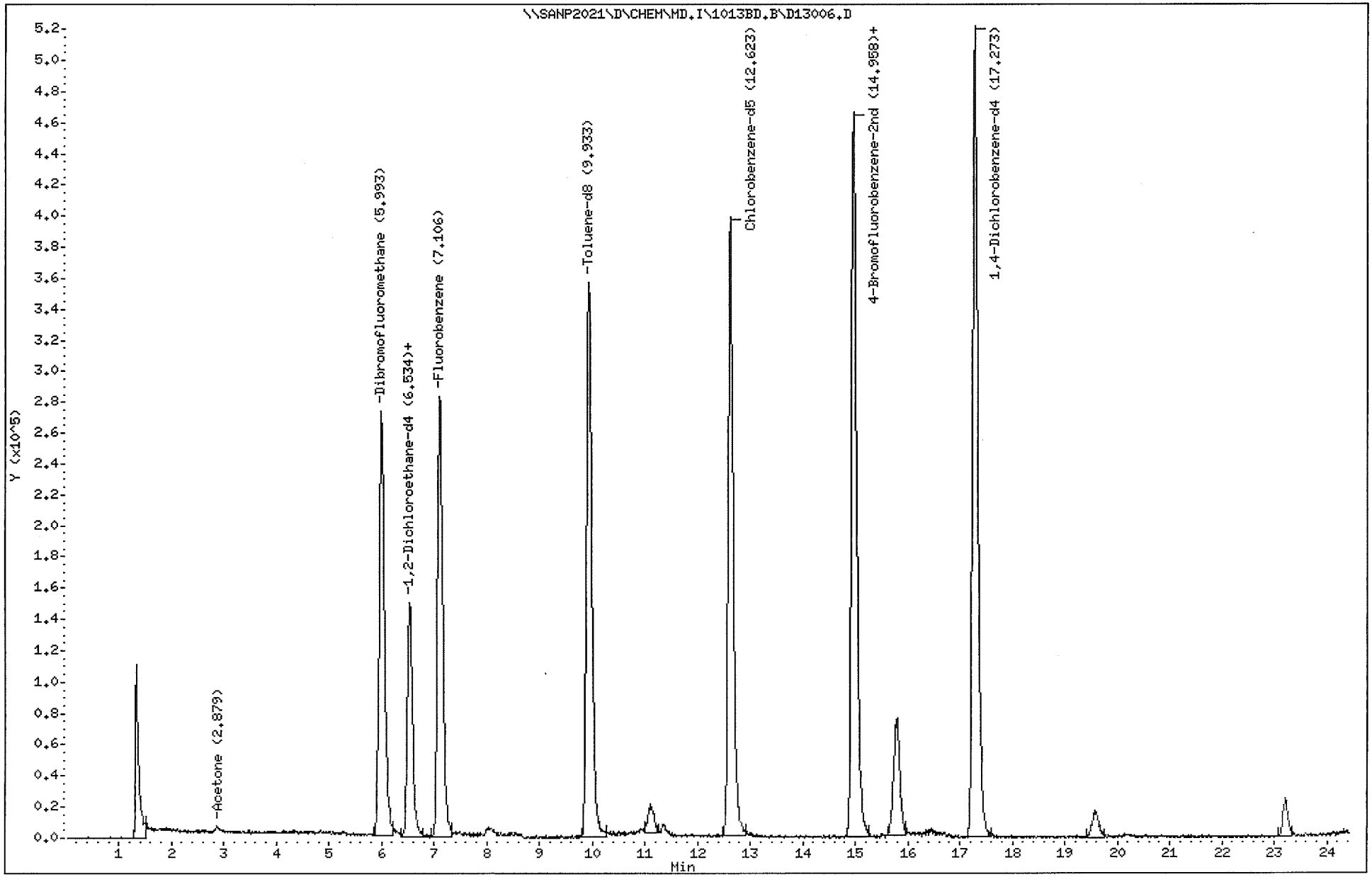
Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13006.D
Date : 14-OCT-2000 05:19
Client ID: D13006
Sample Info: DLH48101,,2,,0,1,0,8260BDA.M,D13006

Instrument: md.i

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



000557

BOE-C6-0155222

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13006.D

Date : 14-OCT-2000 05:19

Client ID: D13006

Instrument: md.i

Sample Info: DLH48101,,2,,0,1,0,8260BDA.M,D13006

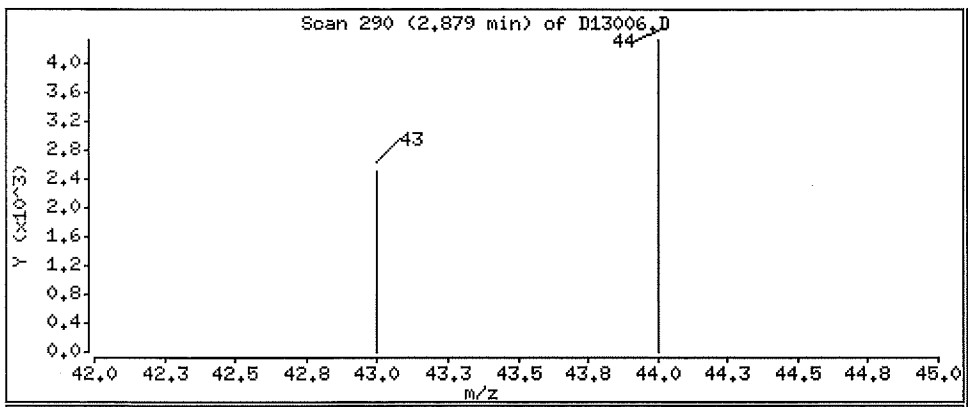
Operator: AD

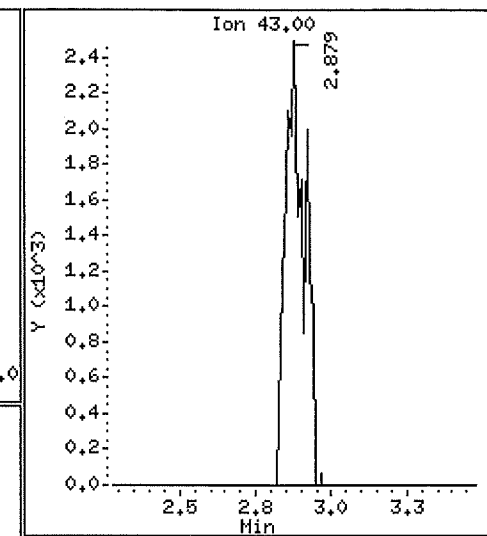
Column phase: J&W DB-624

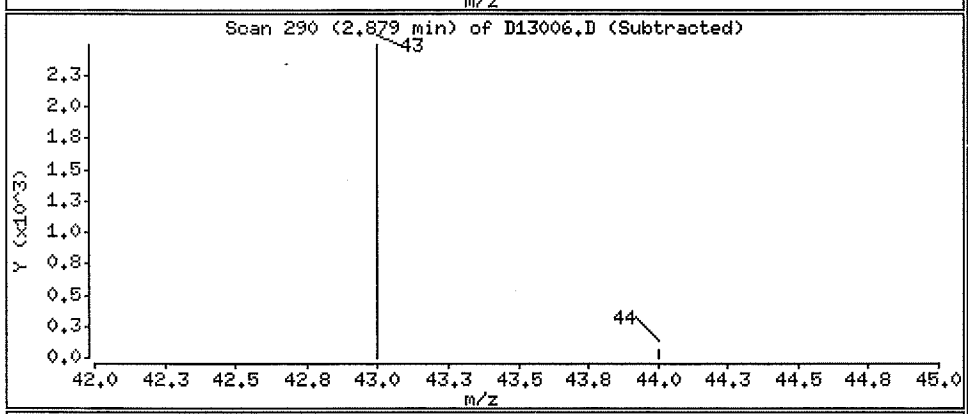
Column diameter: 0.53

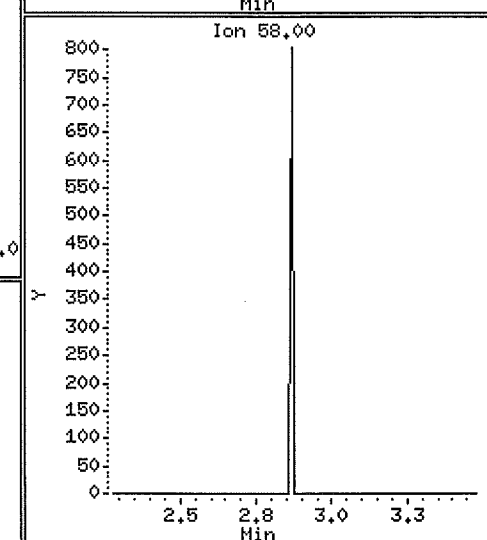
10 Acetone

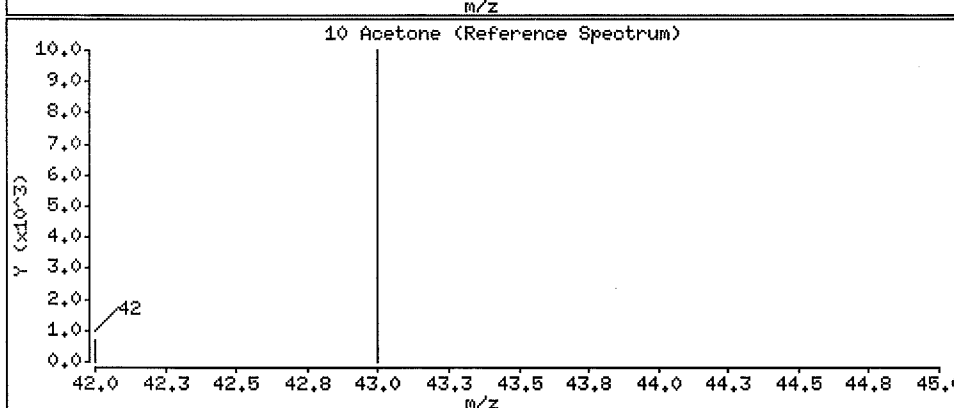
Concentration: 11.60 ug/Kg

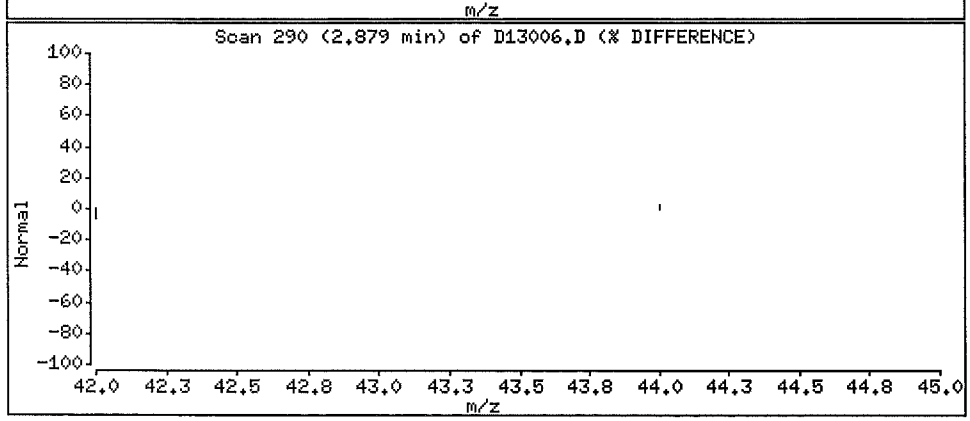












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13006.D

Date : 14-OCT-2000 05:19

Client ID: D13006

Instrument: md.i

Sample Info: DLH48101,,2,,0,1,0,8260BDA.M,D13006

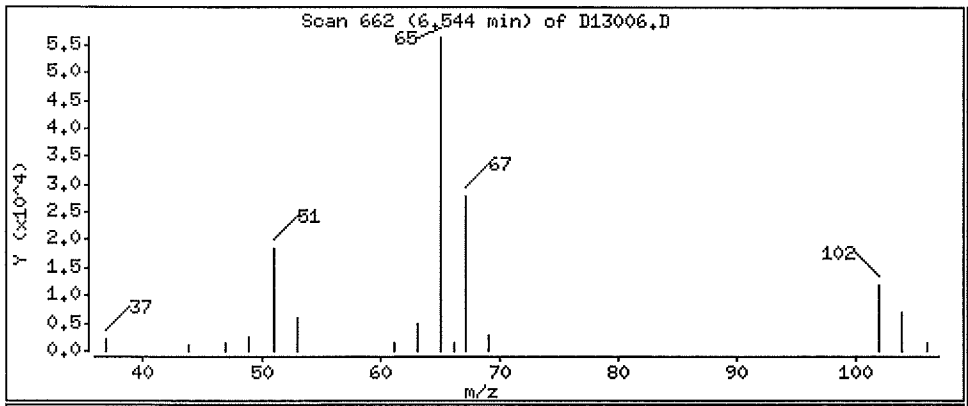
Operator: AD

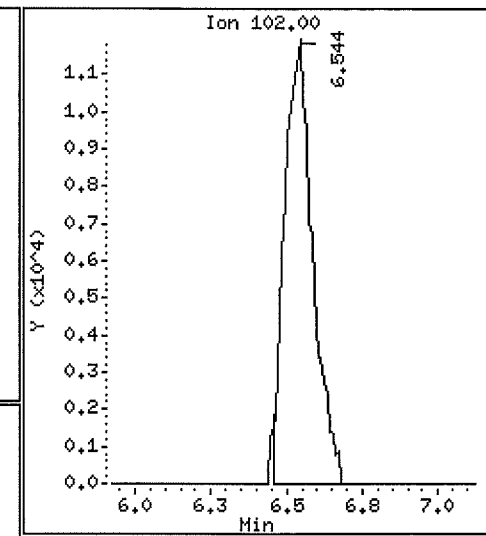
Column phase: J&W DB-624

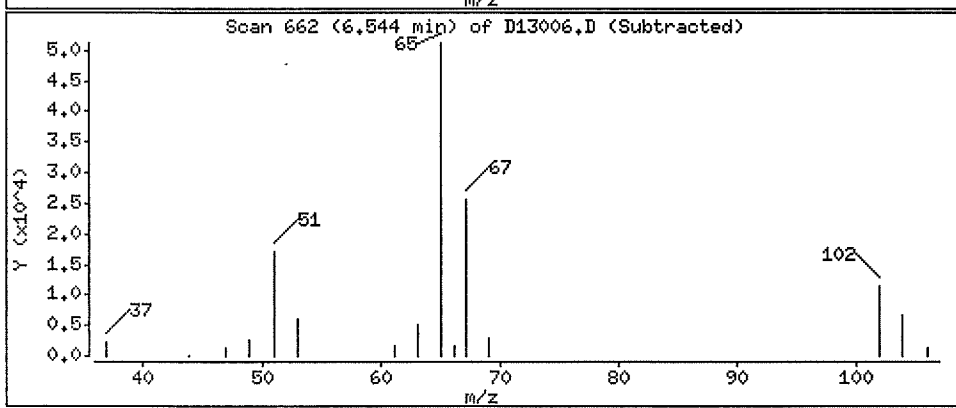
Column diameter: 0.53

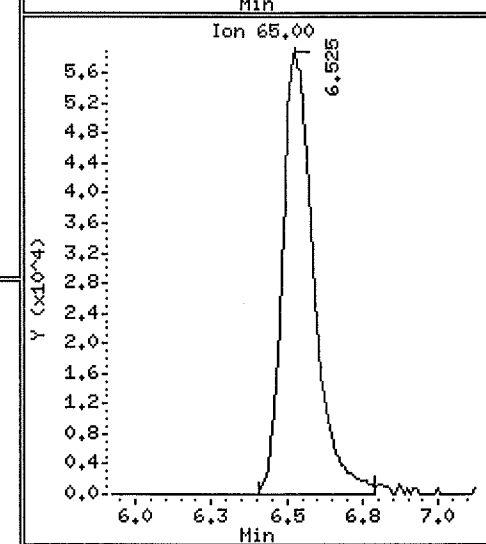
34 1,2-Dichloroethane-d4 2nd

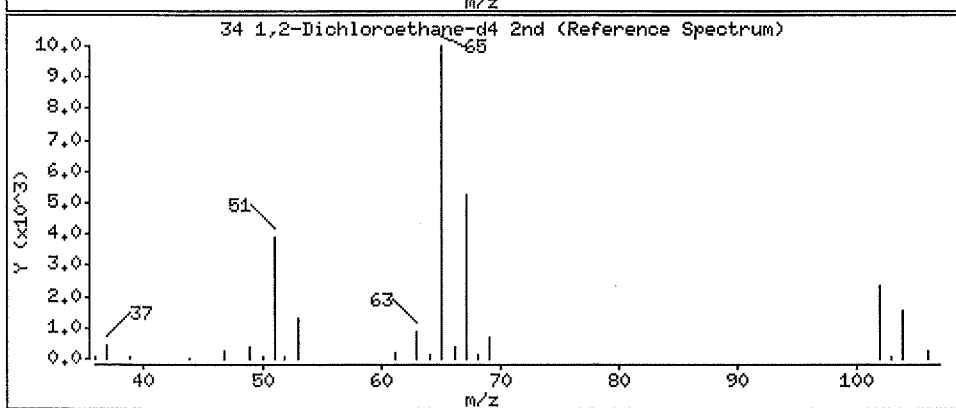
Concentration: 47.00 ug/Kg

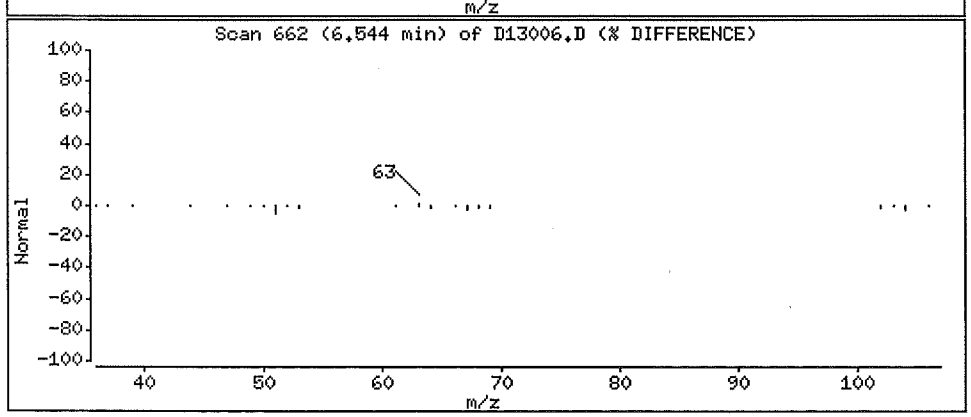












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13006.D

Date : 14-OCT-2000 05:19

Client ID: D13006

Instrument: md.i

Sample Info: DLH48101,,2,,0,1,0,8260BDA.M,D13006

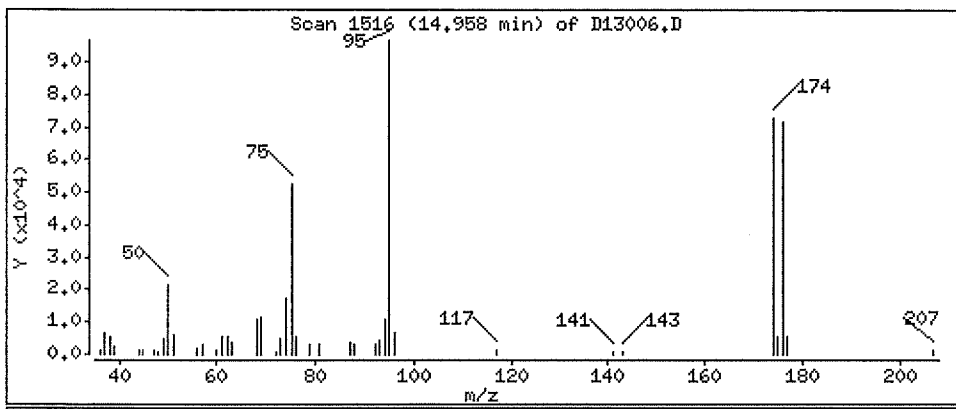
Operator: AD

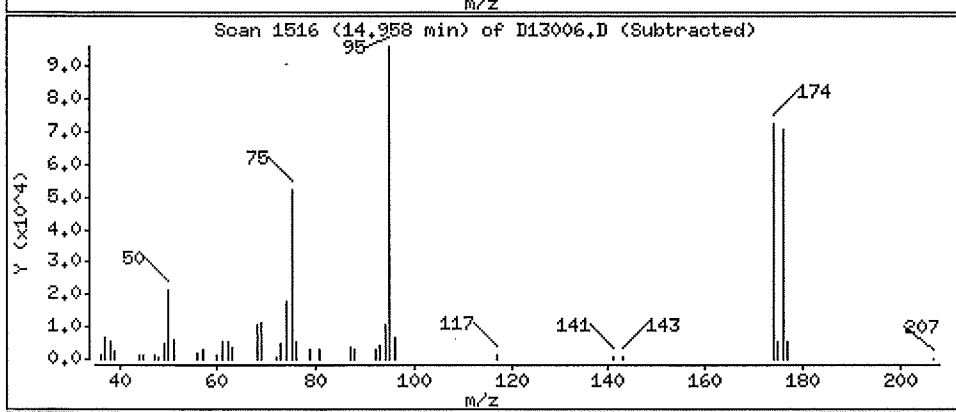
Column phase: J&W DB-624

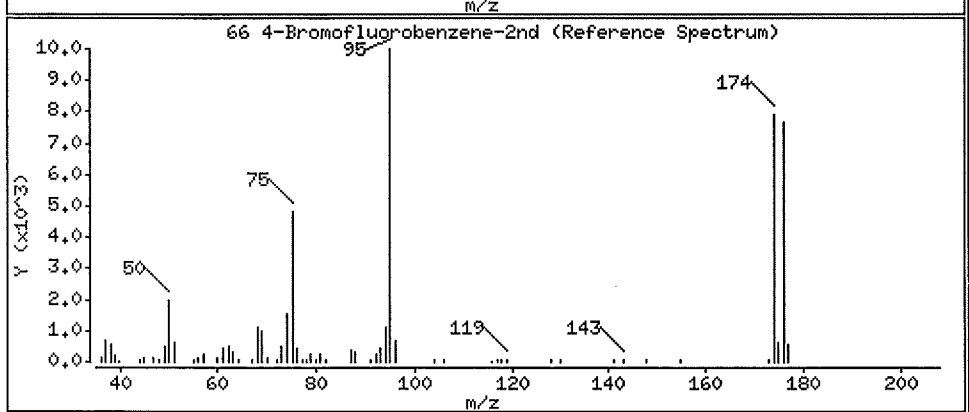
Column diameter: 0.53

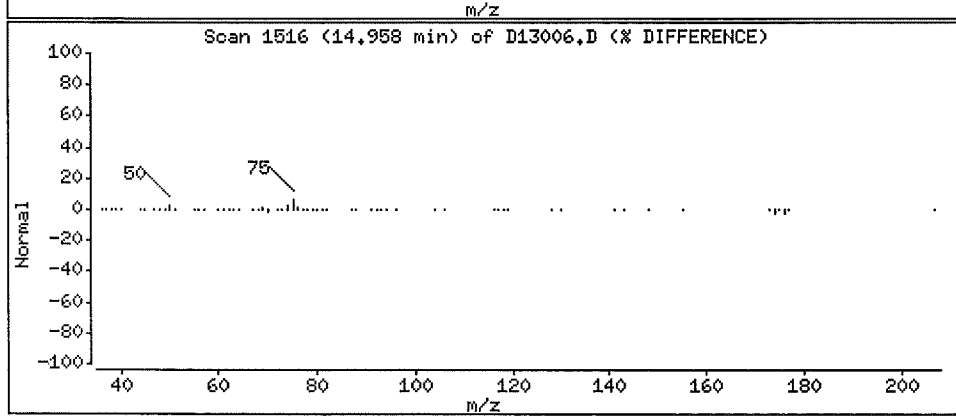
66 4-Bromofluorobenzene-2nd

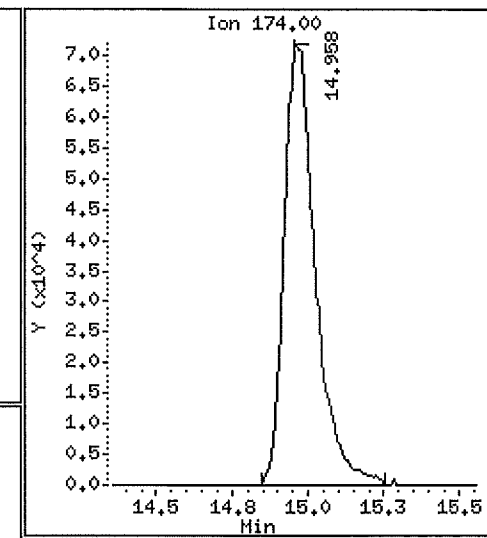
Concentration: 44.91 ug/Kg

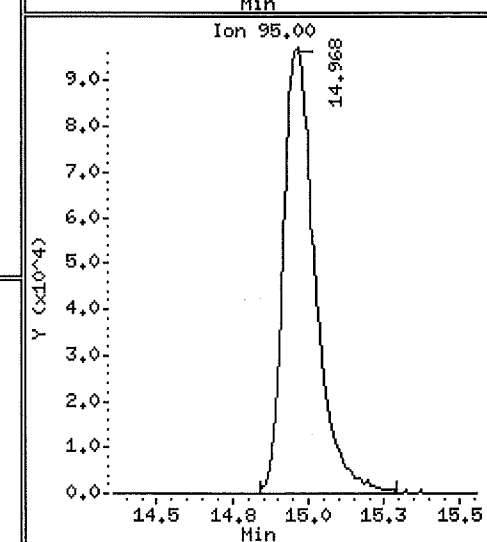


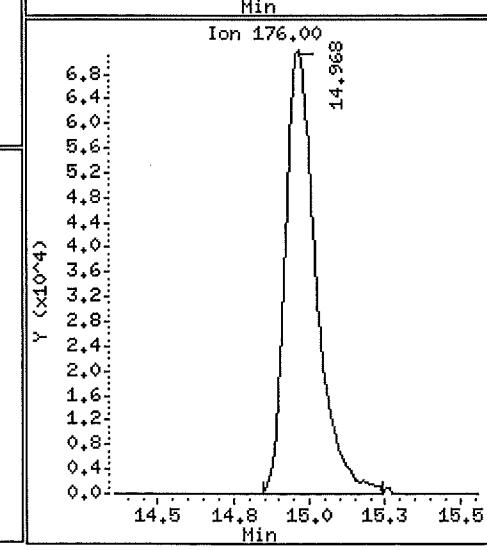












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13006.D

Date : 14-OCT-2000 05:19

Client ID: D13006

Instrument: md.i

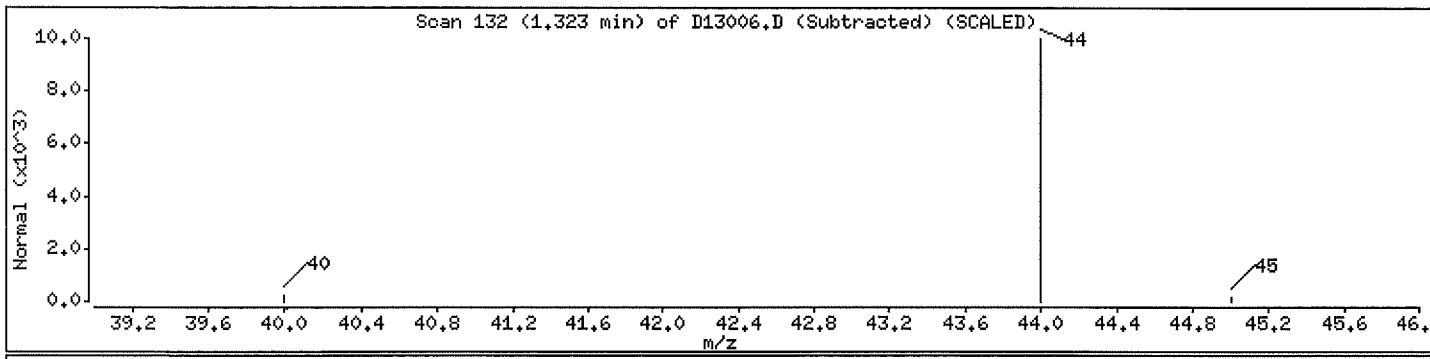
Sample Info: DLH48101,,2,,0,1,0,8260BDA.M,D13006

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13006.D

Date : 14-OCT-2000 05:19

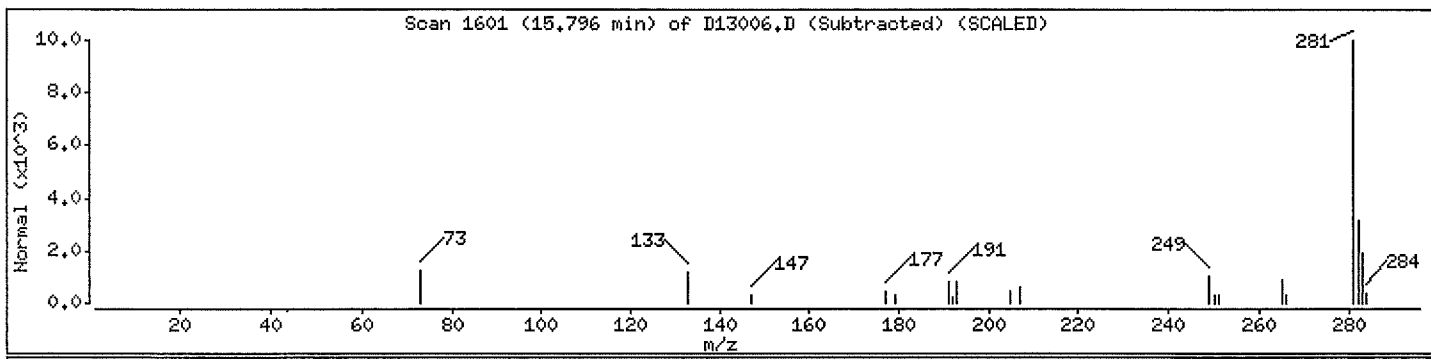
Client ID: D13006 Instrument: md.i

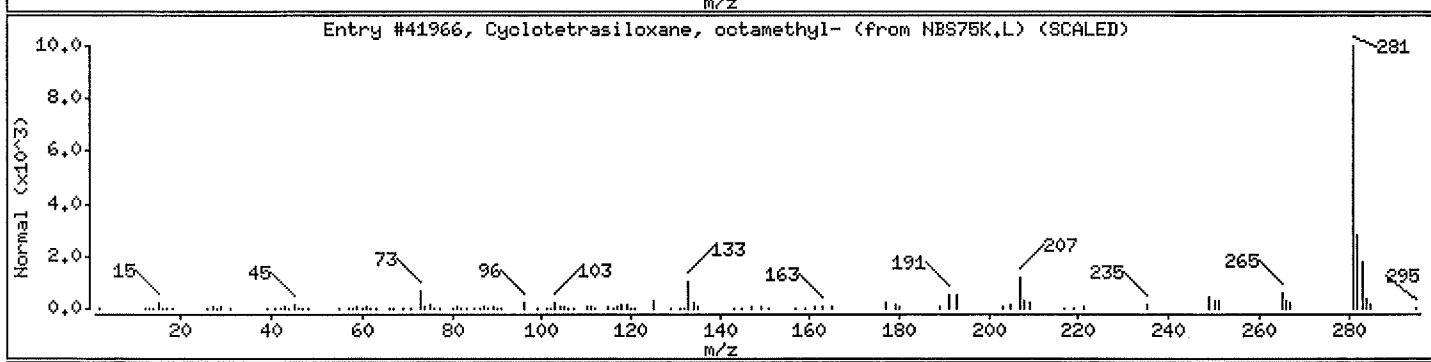
Sample Info: DLH48101,,2,,0,1,0,8260BDA.M,D13006

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	83	C8H24O4Si4	296





C2

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13007.D
Lab Smp Id: DLH4A101 Client Smp ID: D13007
Inj Date : 14-OCT-2000 05:51
Operator : AD Inst ID: md.i
Smp Info : DLH4A101,,2,,0,1,0,8260BDA.M,D13007
Misc Info : E0J040125-20,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.899	2.883	(0.408)	9481	6.75849	6.76
$ 29 Dibromofluoromethane	111	5.983	6.006	(0.842)	828361	45.9595	45.96
$ 33 1,2-Dichloroethane-d4	65	6.535	6.529	(0.920)	597523	49.1154	49.12
34 1,2-Dichloroethane-d4 2nd	102	6.525	6.529	(0.918)	110509	45.0248	45.02
* 38 Fluorobenzene	96	7.106	7.100	(1.000)	1267142	50.0000	
$ 47 Toluene-d8	98	9.944	9.928	(0.787)	1215731	44.6030	44.60
* 56 Chlorobenzene-d5	117	12.633	12.617	(1.000)	1177411	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.968	14.962	(0.867)	736230	45.3038	45.30
$ 67 4-Bromofluorobenzene	95	14.958	14.962	(0.866)	990190	45.6523	45.65
* 79 1,4-Dichlorobenzene-d4	152	17.274	17.277	(1.000)	816140	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13007.D

Date : 14-OCT-2000 05:51

Client ID: D13007

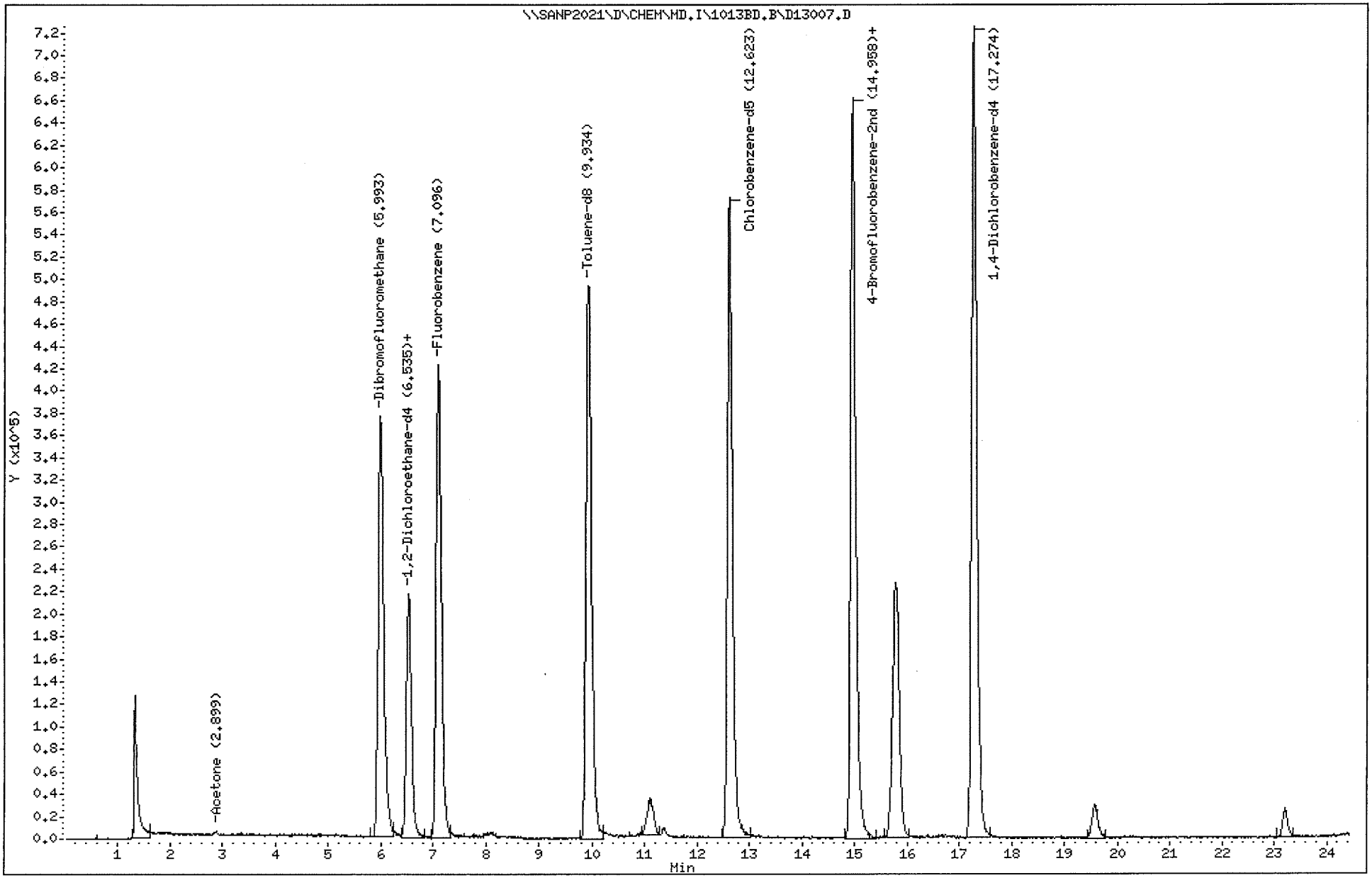
Sample Info: DLH4A101,,2,,0,1,0,8260BDA.M,D13007

Column phase: J&W DB-624

Instrument: md.i

Operator: AD

Column diameter: 0.53



000565

BOE-C6-0155230

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13007.D
Lab Smp Id: DLH4A101 Client Smp ID: D13007
Inj Date : 14-OCT-2000 05:51
Operator : AD Inst ID: md.i
Smp Info : DLH4A101,,2,,0,1,0,8260BDA.M,D13007
Misc Info : E0J040125-20,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.106	2979933	50.000
* 79 1,4-Dichlorobenzene-d4	17.274	5000790	50.000

RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
1.323	580422	9.73884434	9.74	0		0	38
Cyclotetrasiloxane, octamethyl-					CAS #: 556-67-2		
15.766	2000812	20.0049590	20.00	83	NBS75K.L	41966	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH4A101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13007
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Cor	1.323	9.74	J
2. 556-67-2	~~Cyclotetrasiloxane, octamet~~	15.766	20.00	NJ

cap bled

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13007.D

Date : 14-OCT-2000 05:51

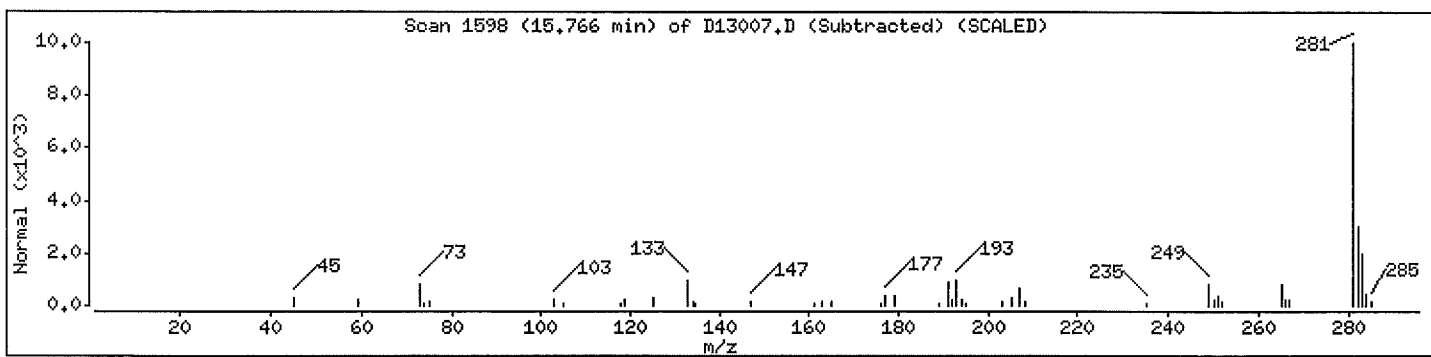
Client ID: D13007 Instrument: md.i

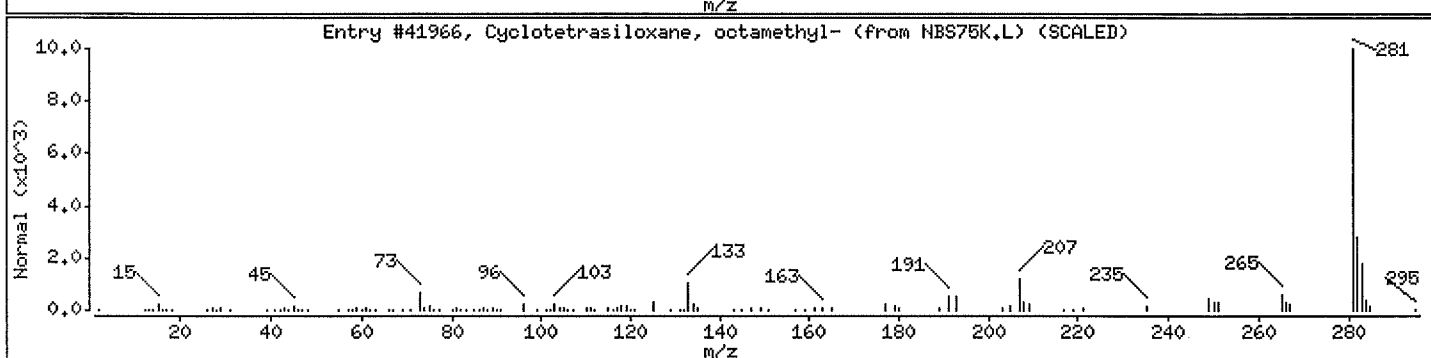
Sample Info: DLH4A101,,2,,0,1,0,8260BDA.M,D13007

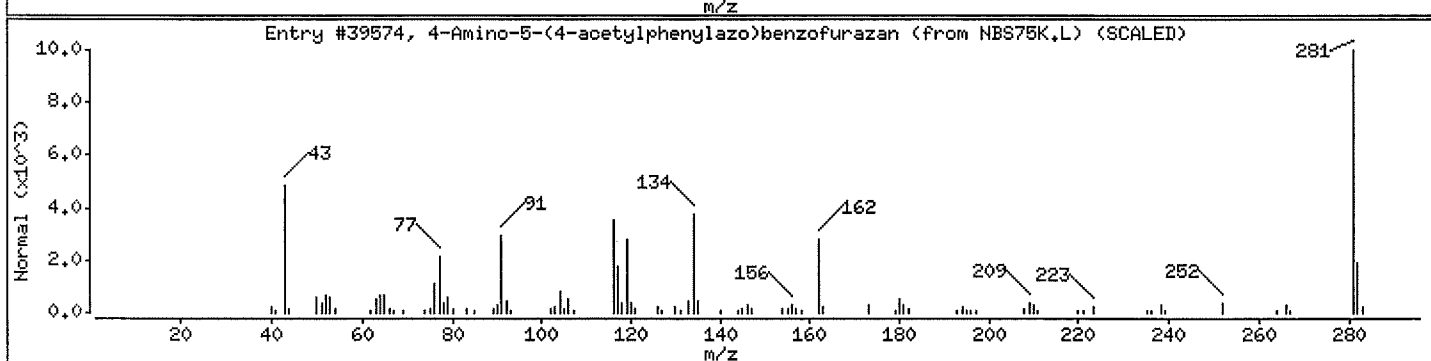
Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	83	C8H24O4Si4	296
4-Amino-5-(4-acetylphenylazo)benzofuraza	0-00-0	NBS75K.L	39574	25	C14H11N5O2	281







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Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13007.D

Date : 14-OCT-2000 05:51

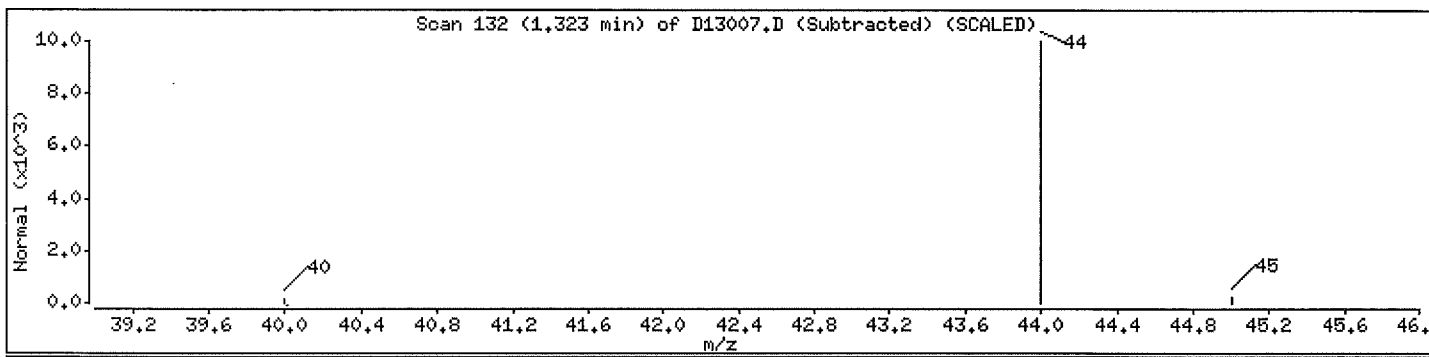
Client ID: D13007 Instrument: md.i

Sample Info: DLH4A101,,2,,0,1,0,8260BDA.M,D13007

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13007.D

Date : 14-OCT-2000 05:51

Client ID: D13007

Instrument: md.i

Sample Info: DLH4A101,,2,,0,1,0,8260BDA,M,D13007

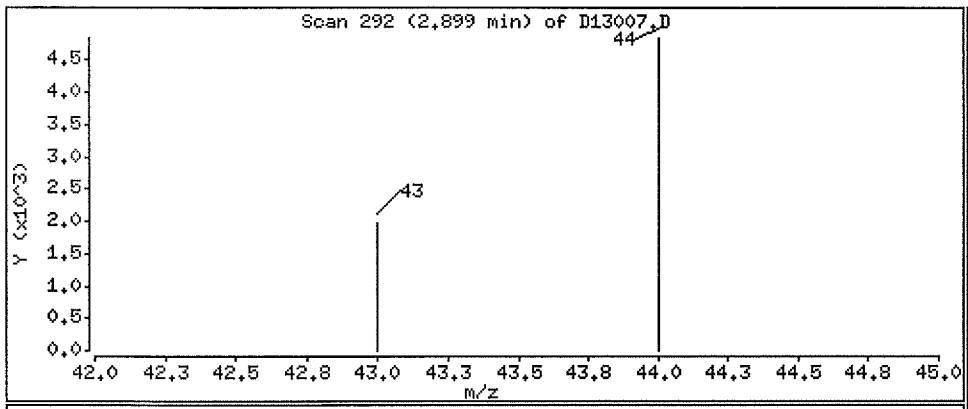
Operator: AD

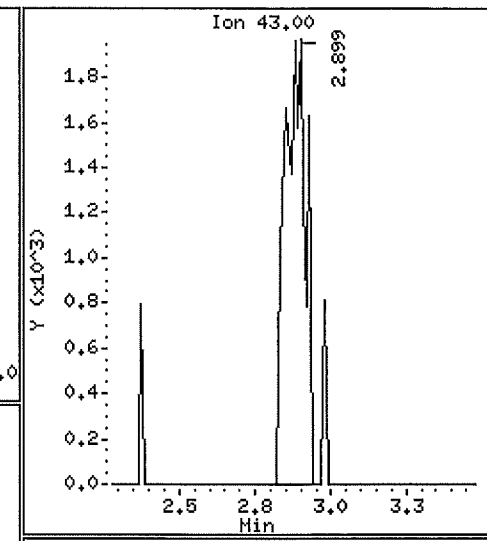
Column phase: J&W DB-624

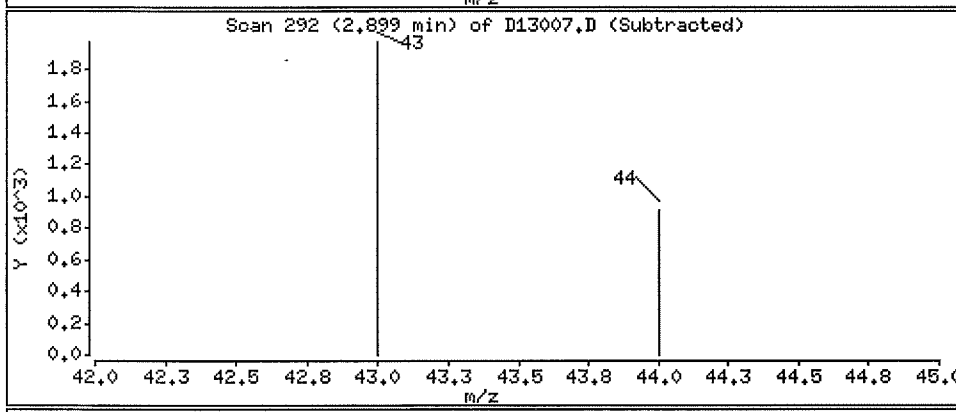
Column diameter: 0.53

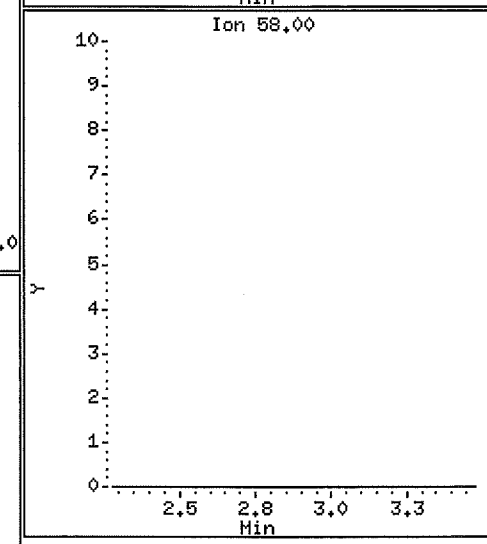
10 Acetone

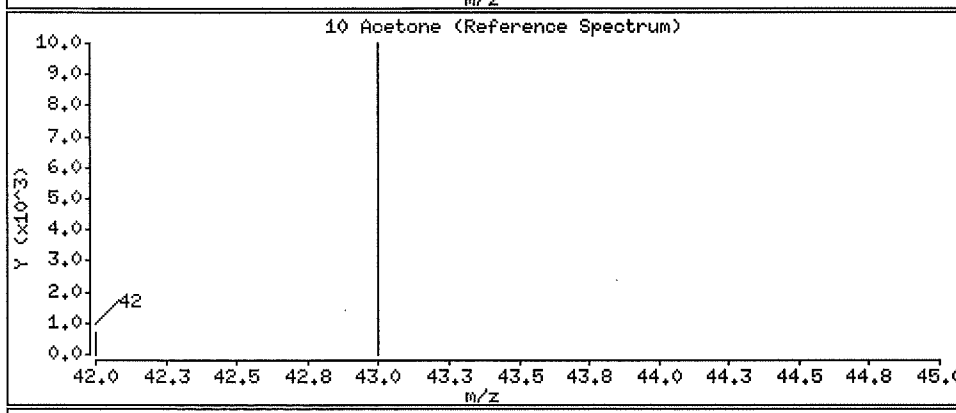
Concentration: 6.76 ug/Kg

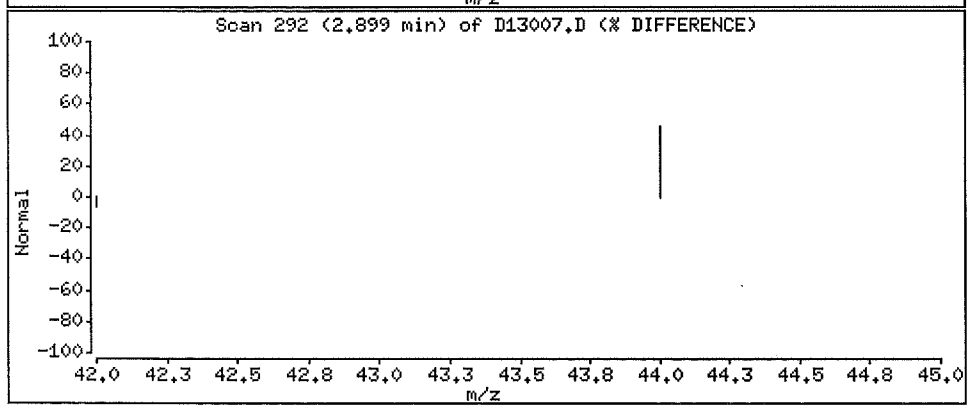












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13007.D

Date : 14-OCT-2000 05:51

Client ID: D13007

Instrument: md.i

Sample Info: DLH4A101,,2,,0,1,0,8260BDA.M,D13007

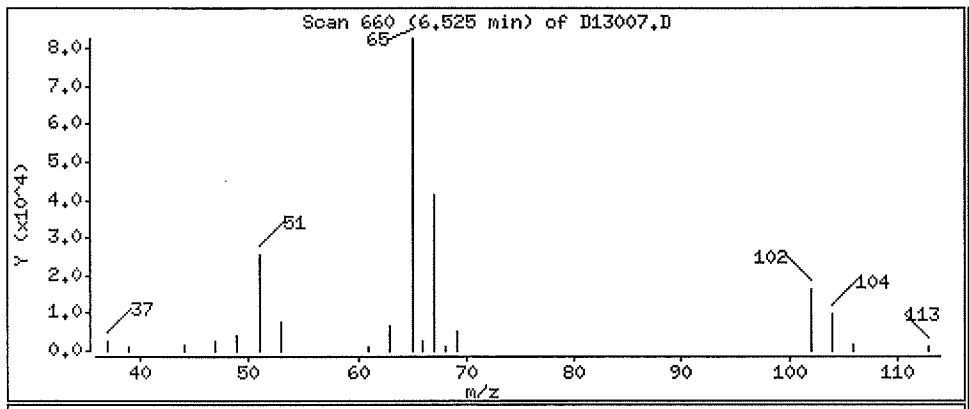
Operator: AD

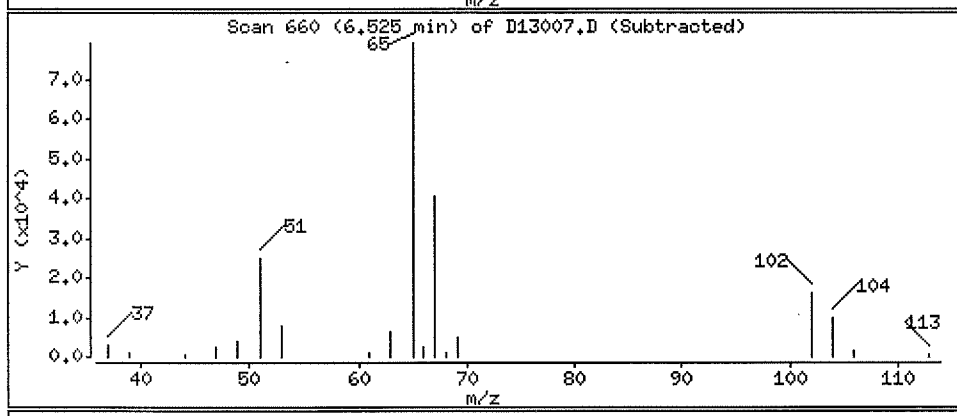
Column phase: J&W DB-624

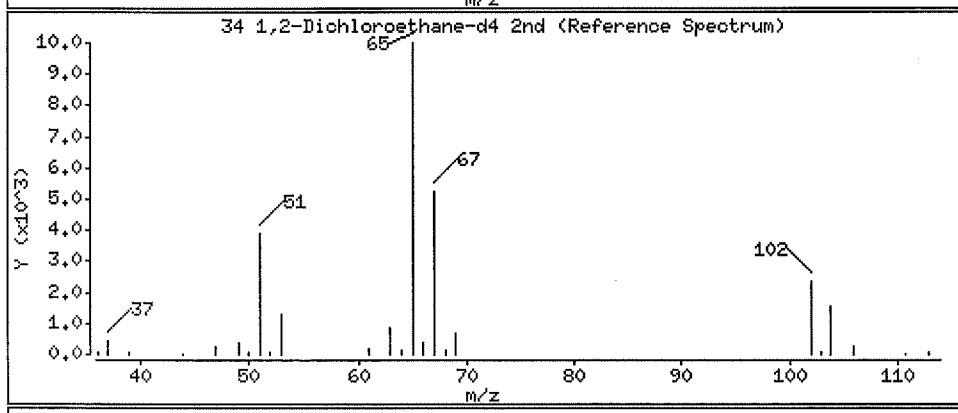
Column diameter: 0.53

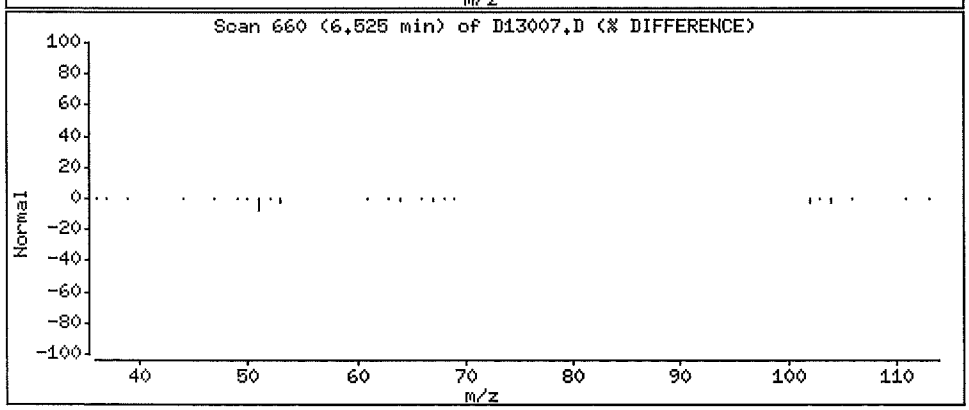
34 1,2-Dichloroethane-d4 2nd

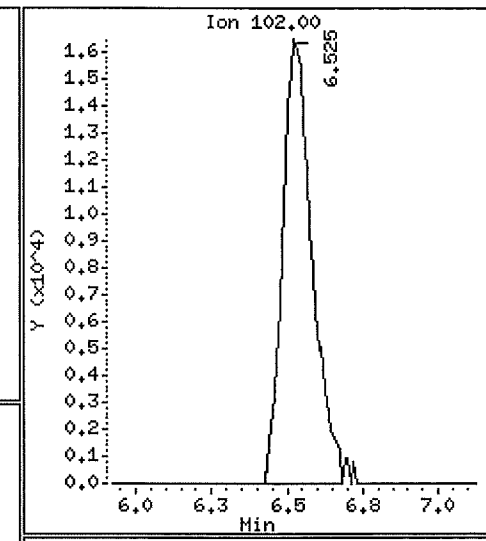
Concentration: 45.02 ug/Kg

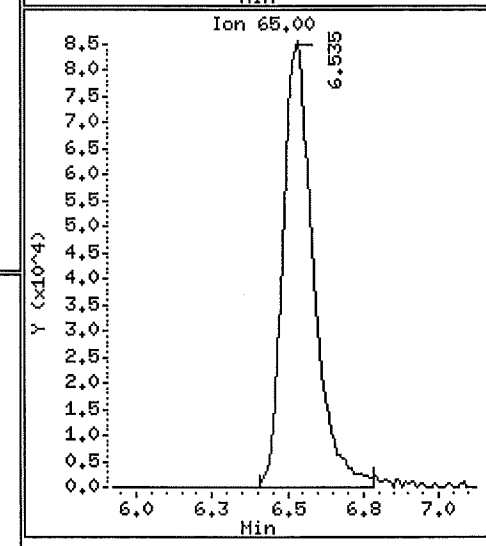












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13007.D

Date : 14-OCT-2000 05:51

Client ID: D13007

Instrument: md.i

Sample Info: DLH4A101,,2,,0,1,0,8260BDA.M,D13007

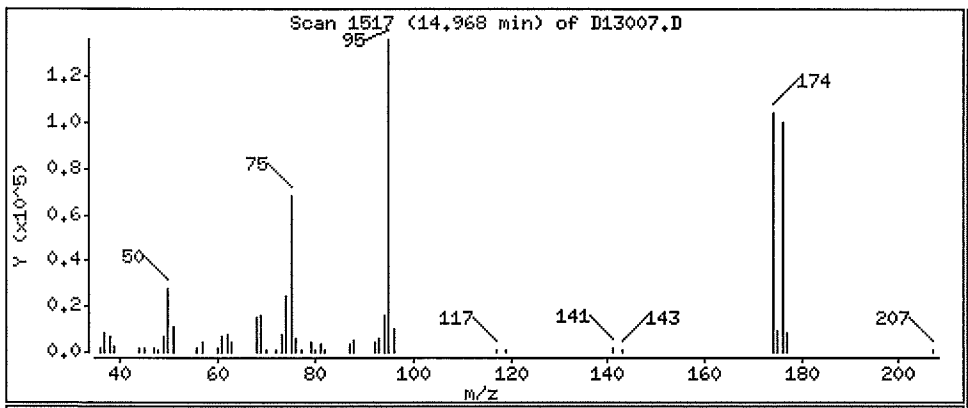
Operator: AD

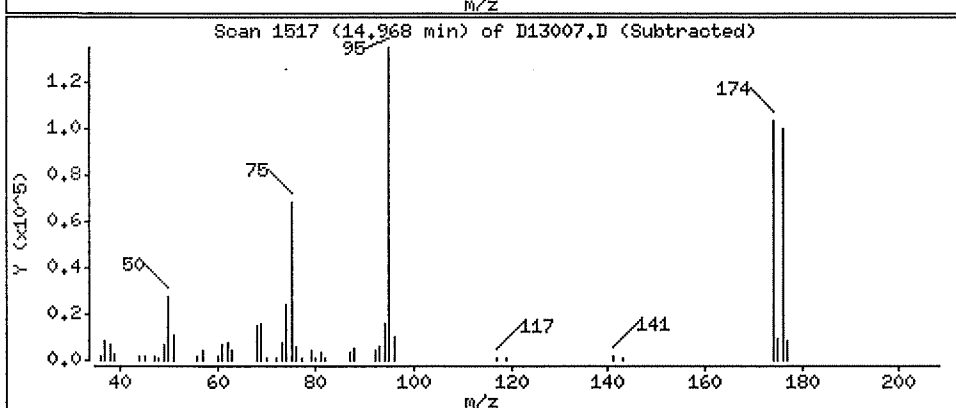
Column phase: J&W DB-624

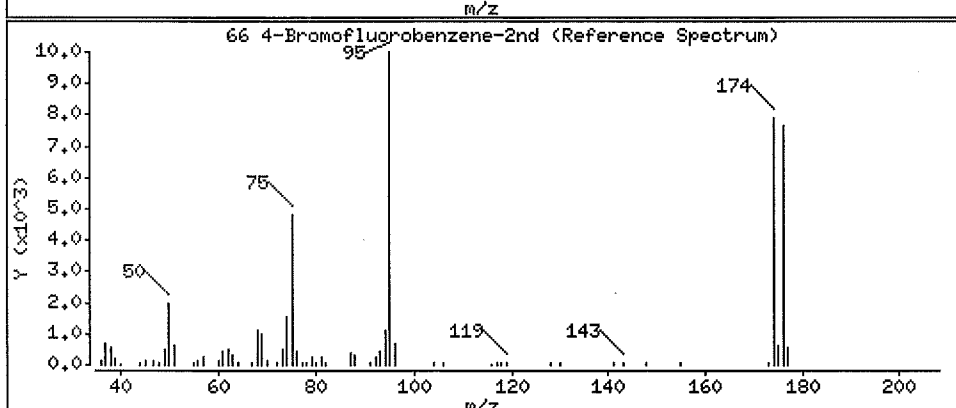
Column diameter: 0.53

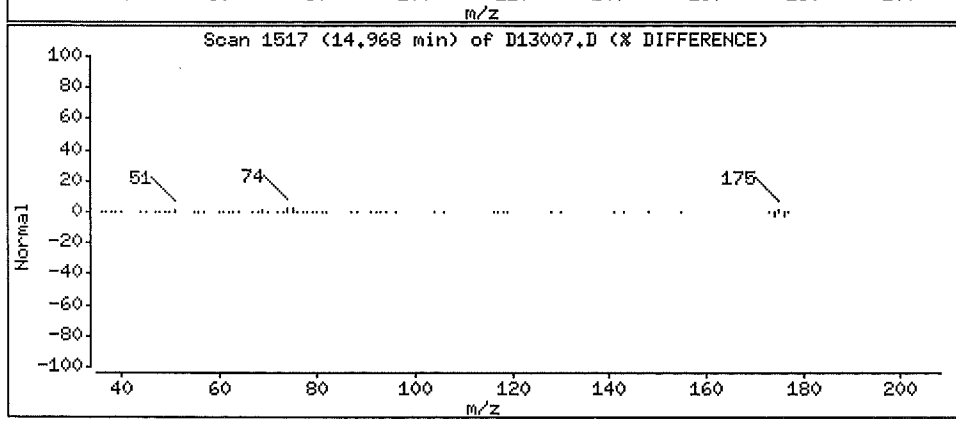
66 4-Bromofluorobenzene-2nd

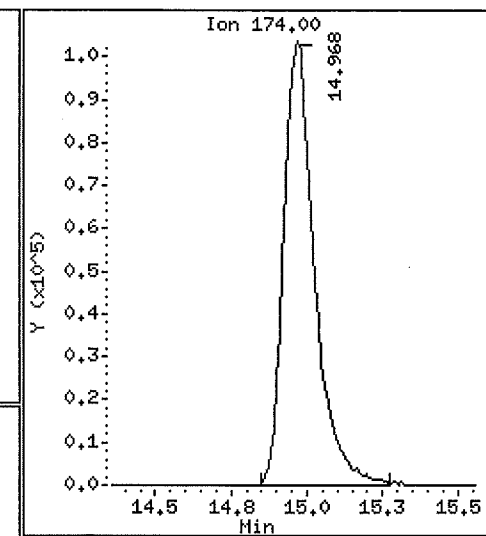
Concentration: 45.30 ug/Kg

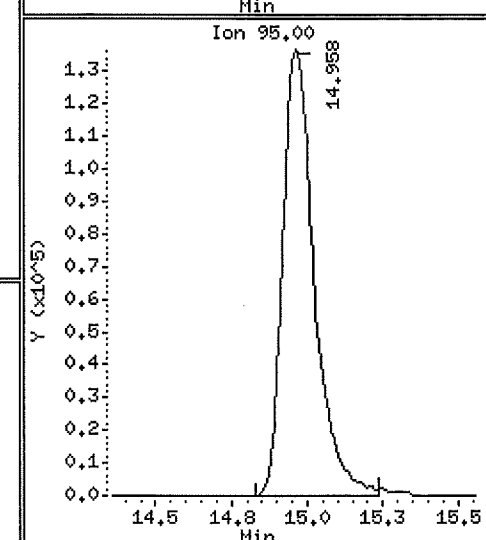


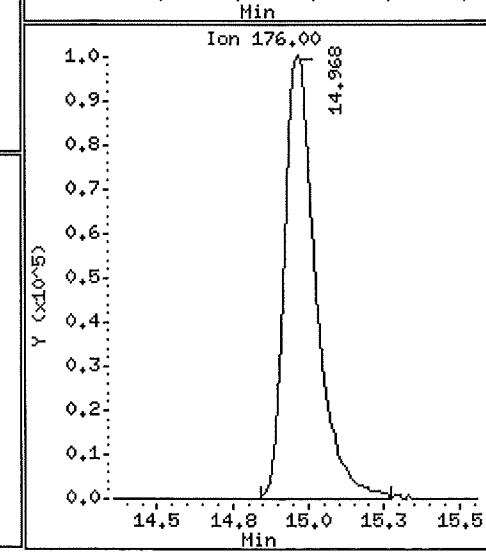












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13008.D
Lab Smp Id: DLH4D101 Client Smp ID: D13008
Inj Date : 14-OCT-2000 06:23
Operator : AD Inst ID: md.i
Smp Info : DLH4D101,,2,,0,1,0,8260BDA.M,D13008
Misc Info : E0J040125-21,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.869	2.883	(0.404)	7888	5.56540	5.56
$ 29 Dibromofluoromethane	111	5.992	6.006	(0.843)	811868	44.5838	44.58
$ 33 1,2-Dichloroethane-d4	65	6.524	6.529	(0.918)	626930	51.0056	51.00
34 1,2-Dichloroethane-d4 2nd	102	6.534	6.529	(0.920)	114996	46.3737	46.37
* 38 Fluorobenzene	96	7.105	7.100	(1.000)	1280235	50.0000	
$ 47 Toluene-d8	98	9.923	9.928	(0.786)	1230453	44.3434	44.34
* 56 Chlorobenzene-d5	117	12.622	12.617	(1.000)	1198646	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.957	14.962	(0.865)	765141	44.2729	44.27
$ 67 4-Bromofluorobenzene	95	14.957	14.962	(0.865)	1030638	44.6812	44.68
* 79 1,4-Dichlorobenzene-d4	152	17.283	17.277	(1.000)	867941	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13008.D
Lab Smp Id: DLH4D101 Client Smp ID: D13008
Inj Date : 14-OCT-2000 06:23
Operator : AD Inst ID: md.i
Smp Info : DLH4D101,,2,,0,1,0,8260BDA.M,D13008
Misc Info : E0J040125-21,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.105	3009283	50.000
* 79 1,4-Dichlorobenzene-d4	17.283	5277204	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.322	618810	10.2816797	10.28	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.795	755866	7.16161425	7.16	59	NBS75K.L	72646	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH4D101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13008
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.322	10.28	J
2. 556-67-2	~~Cyclotetrasiloxane, octamet~~	15.795	7.16	NJ

Cap bleed

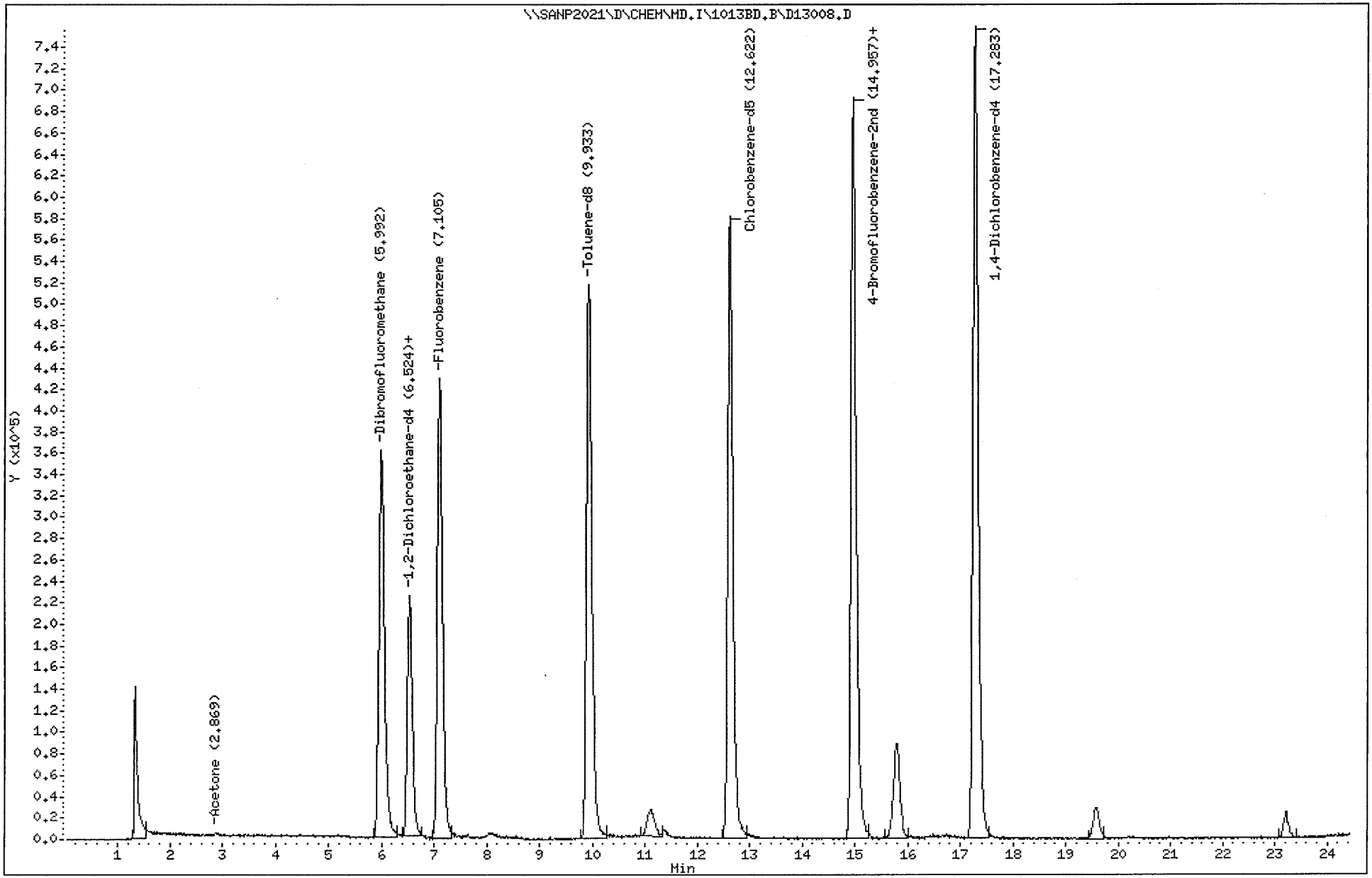
Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13008.D
Date : 14-OCT-2000 06:23
Client ID: D13008
Sample Info: DLH4D101,,2,,0,1,0,8260BDA.M,D13008

Instrument: md.i

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



BOE-C6-0155242

000577

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13008.D

Date : 14-OCT-2000 06:23

Client ID: D13008

Instrument: md.i

Sample Info: DLH4D101,,2,,0,1,0,8260BDA.M,D13008

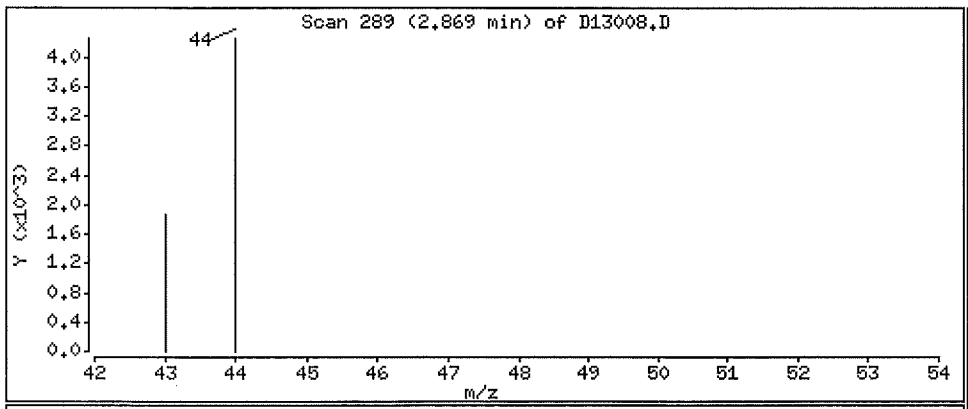
Operator: AD

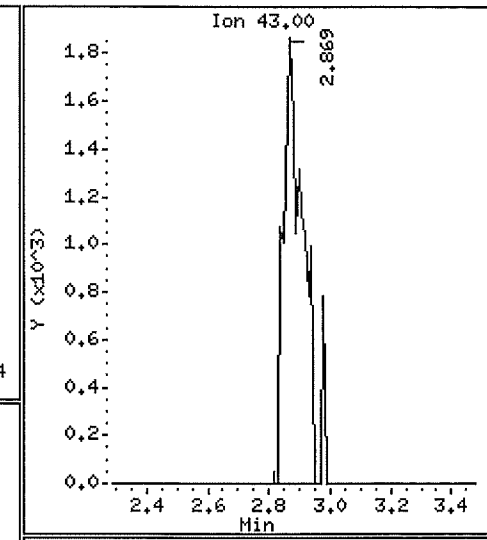
Column phase: J&W DB-624

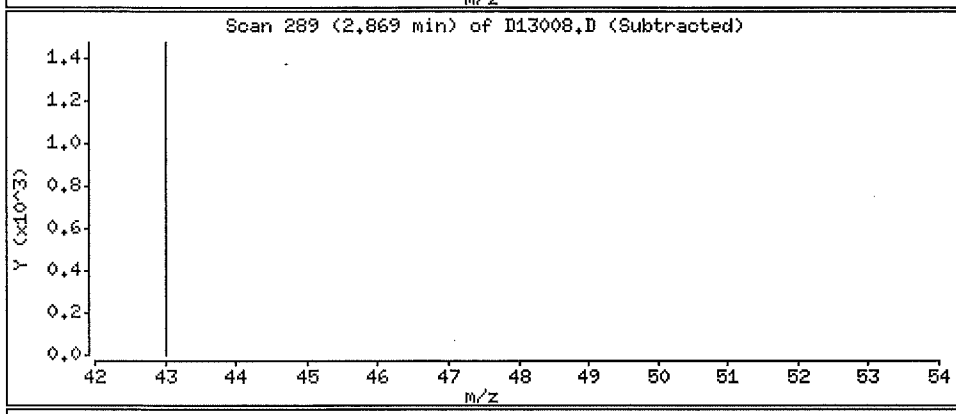
Column diameter: 0.53

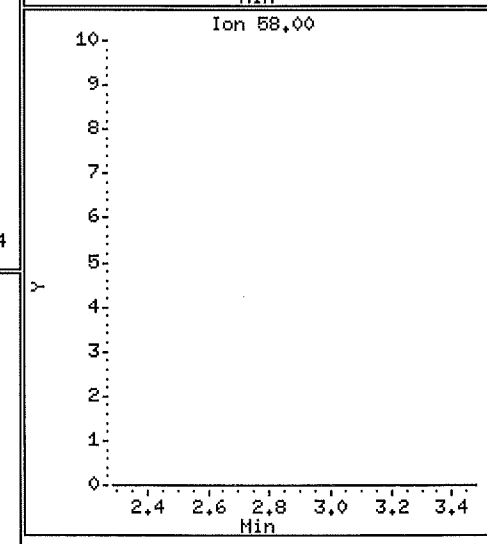
10 Acetone

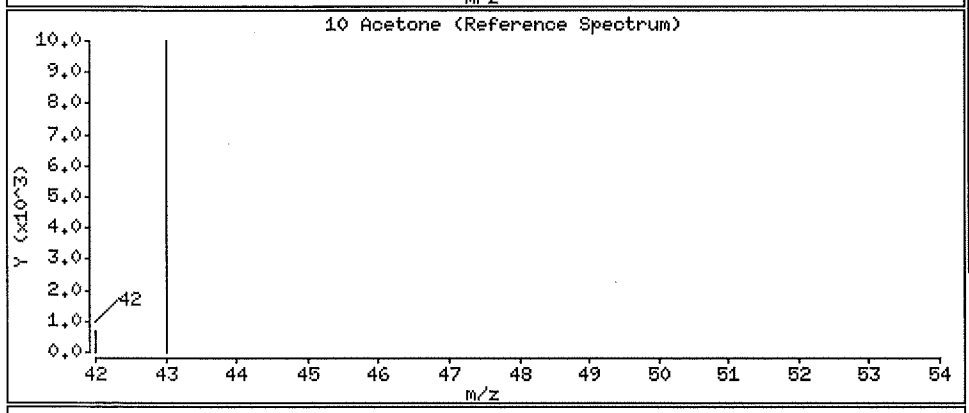
Concentration: 5.56 ug/Kg

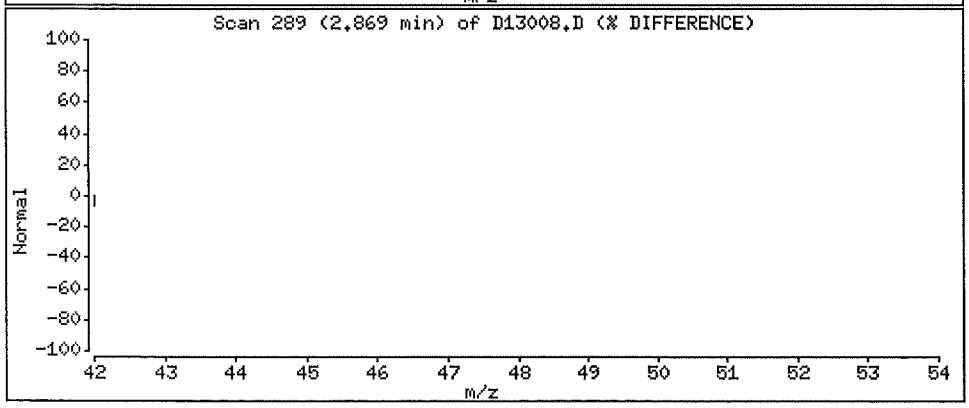












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13008.D

Date : 14-OCT-2000 06:23

Client ID: D13008

Instrument: md.i

Sample Info: DLH4D101,,2,,0,1,0,8260BDA.M,D13008

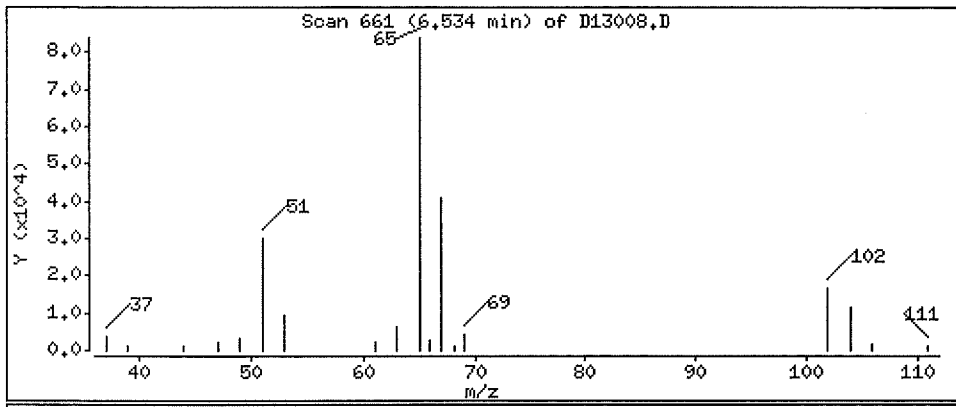
Operator: AD

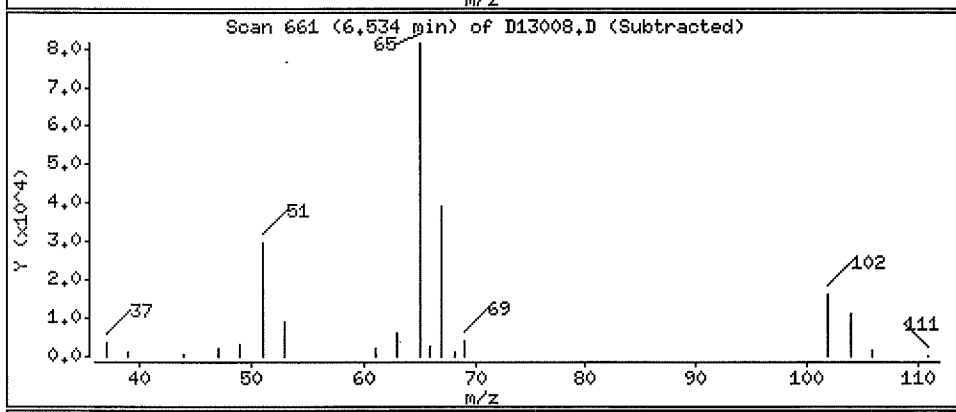
Column phase: J&W DB-624

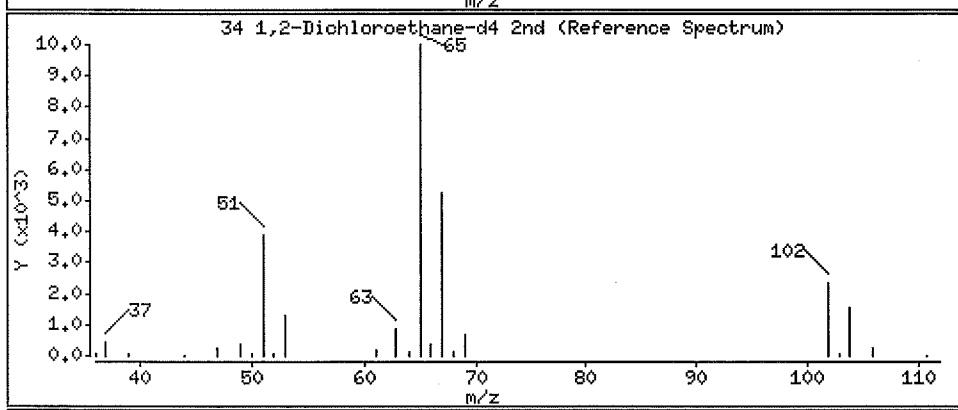
Column diameter: 0.53

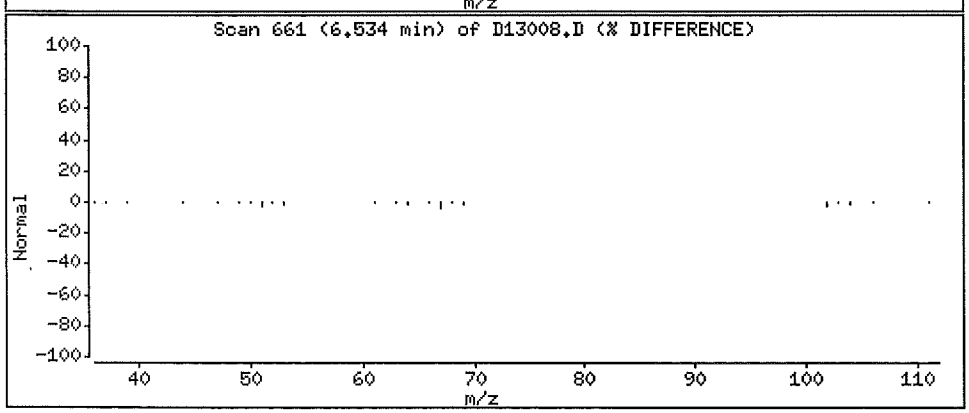
34 1,2-Dichloroethane-d4 2nd

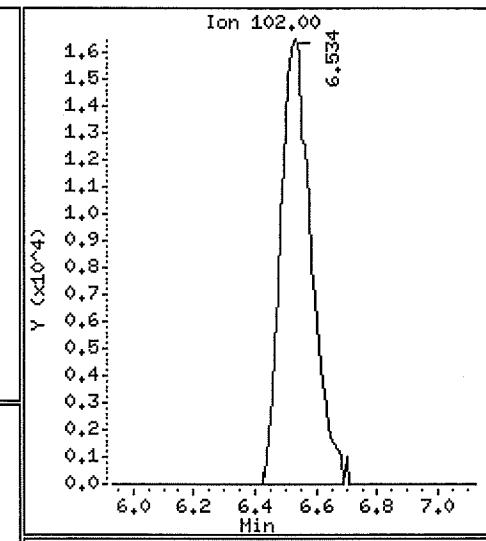
Concentration: 46.37 ug/Kg

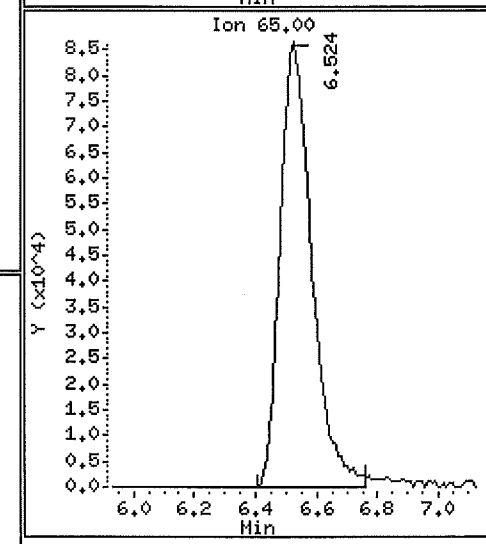












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13008.D

Date : 14-OCT-2000 06:23

Client ID: D13008

Instrument: md.i

Sample Info: DLH4D101,,2,,0,1,0,8260BDA.M,D13008

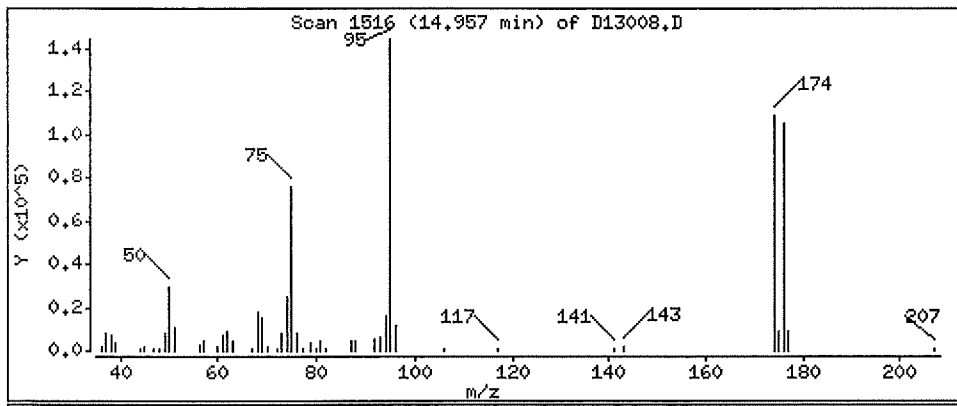
Operator: AD

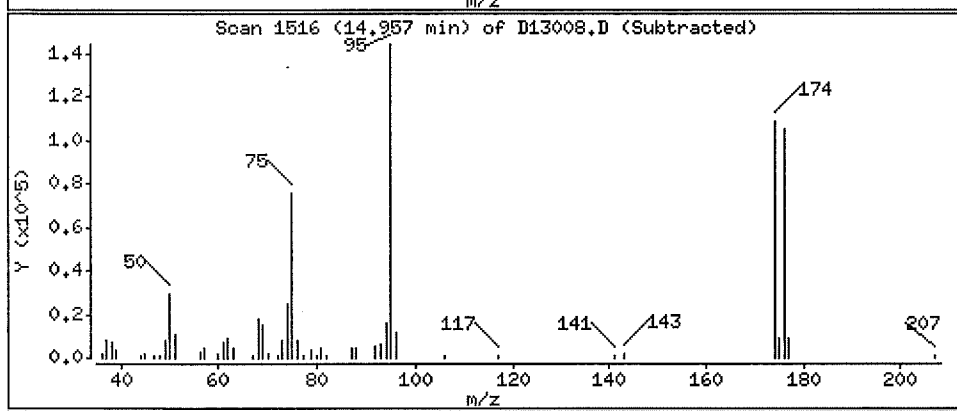
Column phase: J&W DB-624

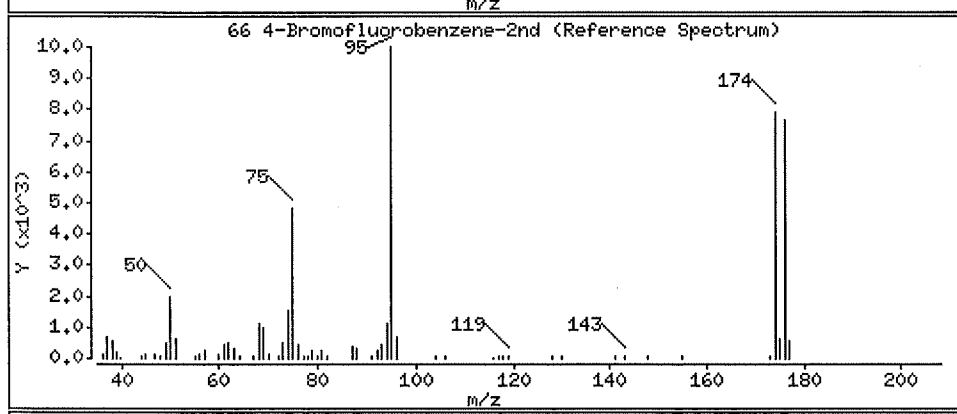
Column diameter: 0.53

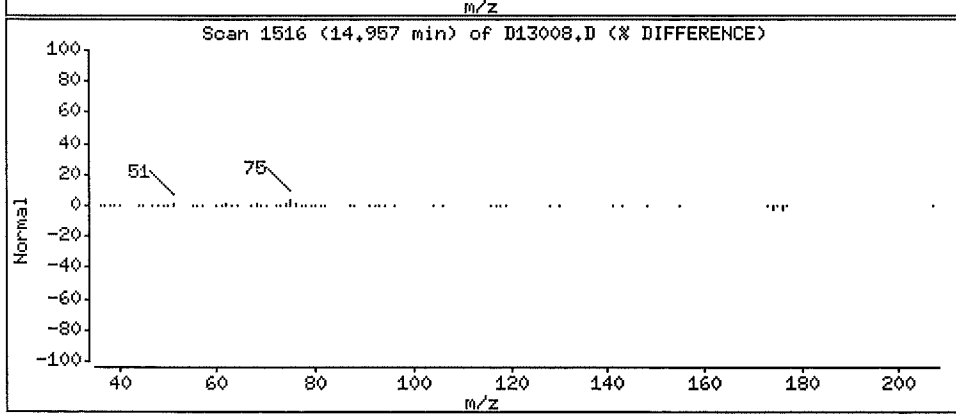
66 4-Bromofluorobenzene-2nd

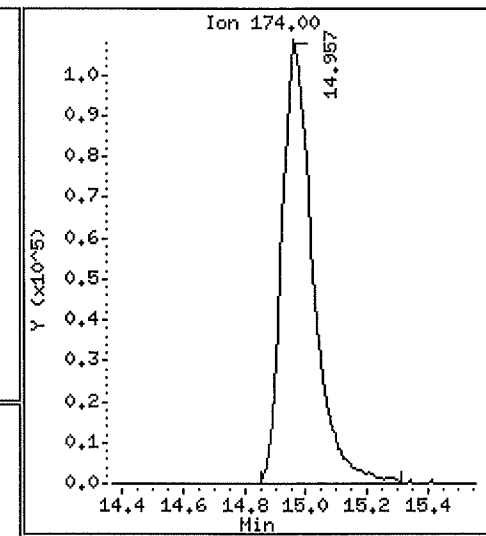
Concentration: 44.27 ug/Kg

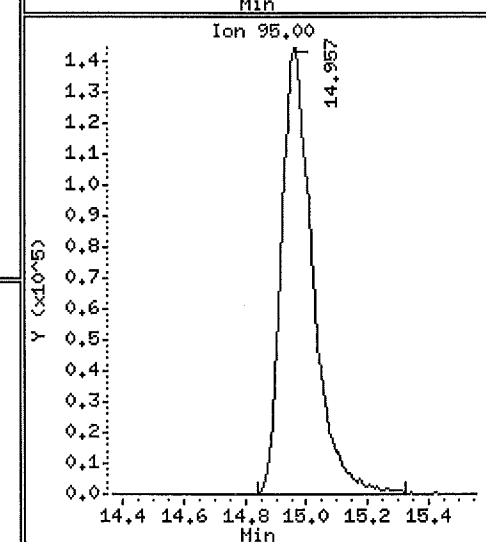


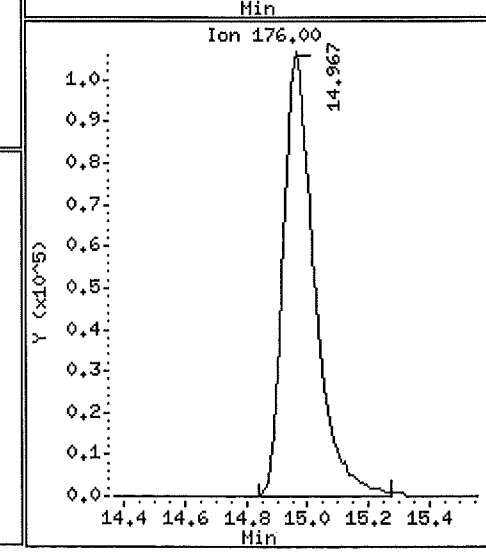












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13008.D

Date : 14-OCT-2000 06:23

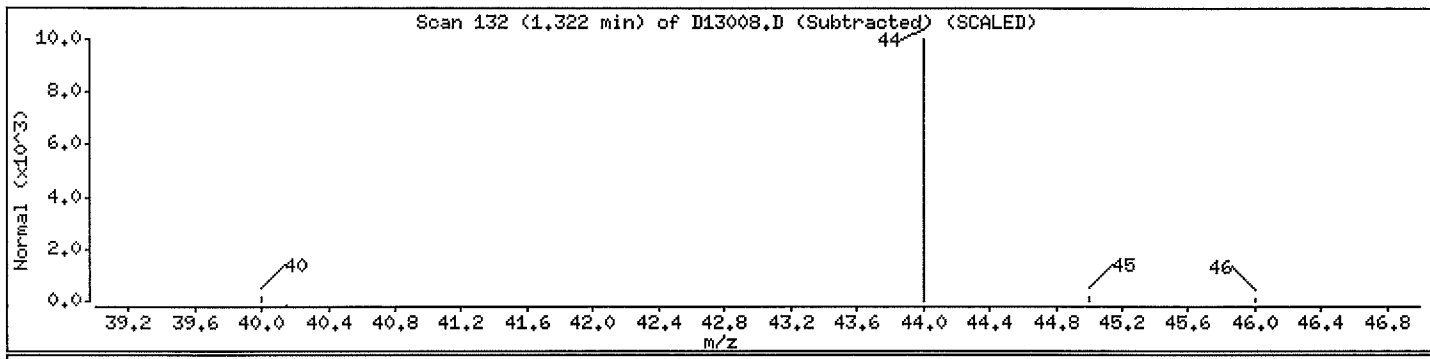
Client ID: D13008 Instrument: md.i

Sample Info: DLH4D101,,2,,0,1,0,8260BDA.M,D13008

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13008.D

Date : 14-OCT-2000 06:23

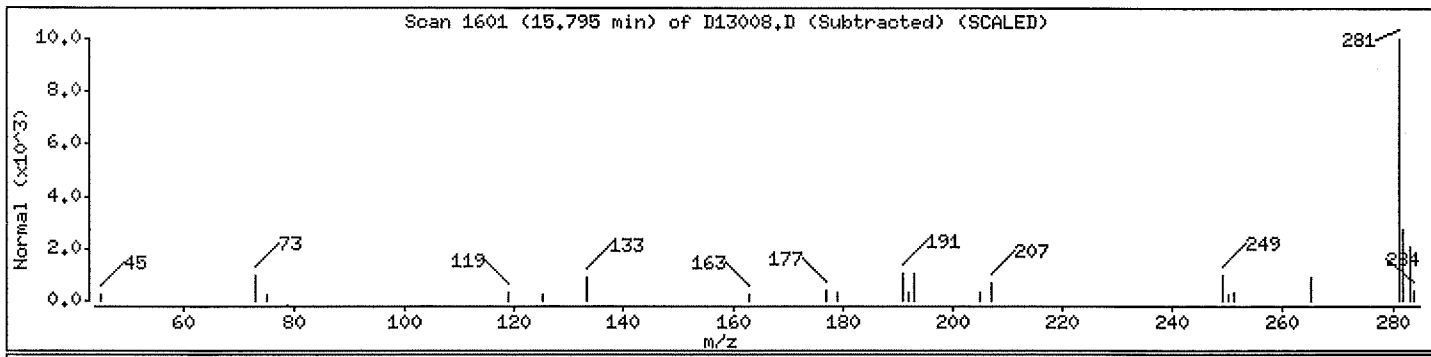
Client ID: D13008 Instrument: md.i

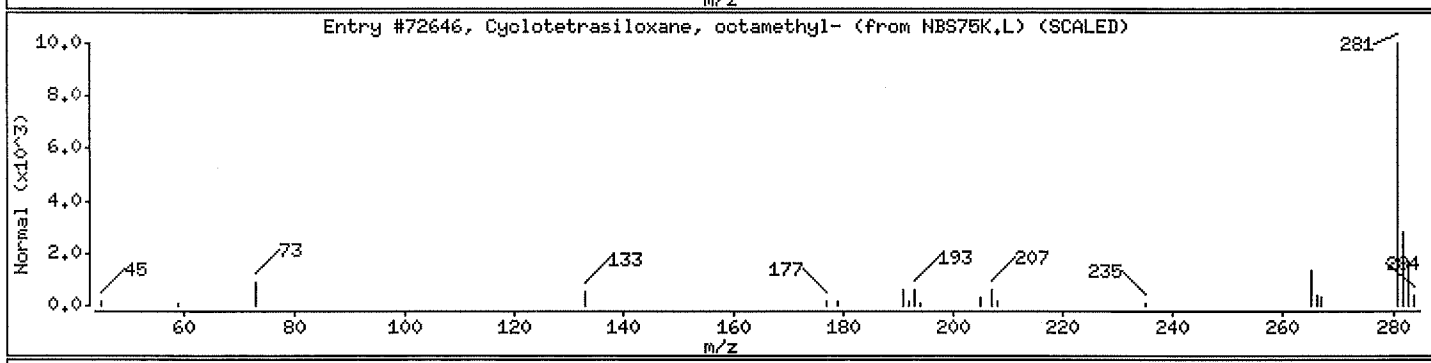
Sample Info: DLH4D101,,2,,0,1,0,8260BDA.M,D13008

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	72646	59	C8H24O4Si4	296





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STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13009.D
Lab Smp Id: DLH4E101 Client Smp ID: D13009
Inj Date : 14-OCT-2000 06:55
Operator : AD Inst ID: md.i
Smp Info : DLH4E101,,2,,0,1,0,8260BDA.M,D13009
Misc Info : E0J040125-22,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.869	2.883	(0.404)	13324	9.60599	9.60
$ 29 Dibromofluoromethane	111	5.992	6.006	(0.843)	776955	43.5975	43.60
$ 33 1,2-Dichloroethane-d4	65	6.524	6.529	(0.918)	590807	49.1155	49.12
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.529	(0.918)	113403	46.7294	46.73
36 1,2-Dichloroethane	62	7.115	6.657	(1.001)	13827	1.03273	1.03(aQ)
* 38 Fluorobenzene	96	7.105	7.100	(1.000)	1252896	50.0000	
$ 47 Toluene-d8	98	9.923	9.928	(0.787)	1202010	44.3342	44.33
* 56 Chlorobenzene-d5	117	12.613	12.617	(1.000)	1171181	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.967	14.962	(0.866)	744867	44.7812	44.78
$ 67 4-Bromofluorobenzene	95	14.967	14.962	(0.866)	1017278	45.8226	45.82
* 79 1,4-Dichlorobenzene-d4	152	17.283	17.277	(1.000)	835351	50.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13009.D
Lab Smp Id: DLH4E101 Client Smp ID: D13009
Inj Date : 14-OCT-2000 06:55
Operator : AD Inst ID: md.i
Smp Info : DLH4E101,,2,,0,1,0,8260BDA.M,D13009
Misc Info : E0J040125-22,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.105	2936103	50.000
* 79 1,4-Dichlorobenzene-d4	17.283	5128408	50.000

RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
1.322	630812	10.7423327	10.74	0		0	38
Cyclotetrasiloxane, octamethyl-					CAS #: 556-67-2		
15.775	664394	6.47758481	6.48	37	NBS75K.L	41966	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH4E101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13009
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CDV	1.322	10.74	J
2. 556-67-2	Cyc~~lotetrasiloxane, octamet~~	15.775	6.48	NJ

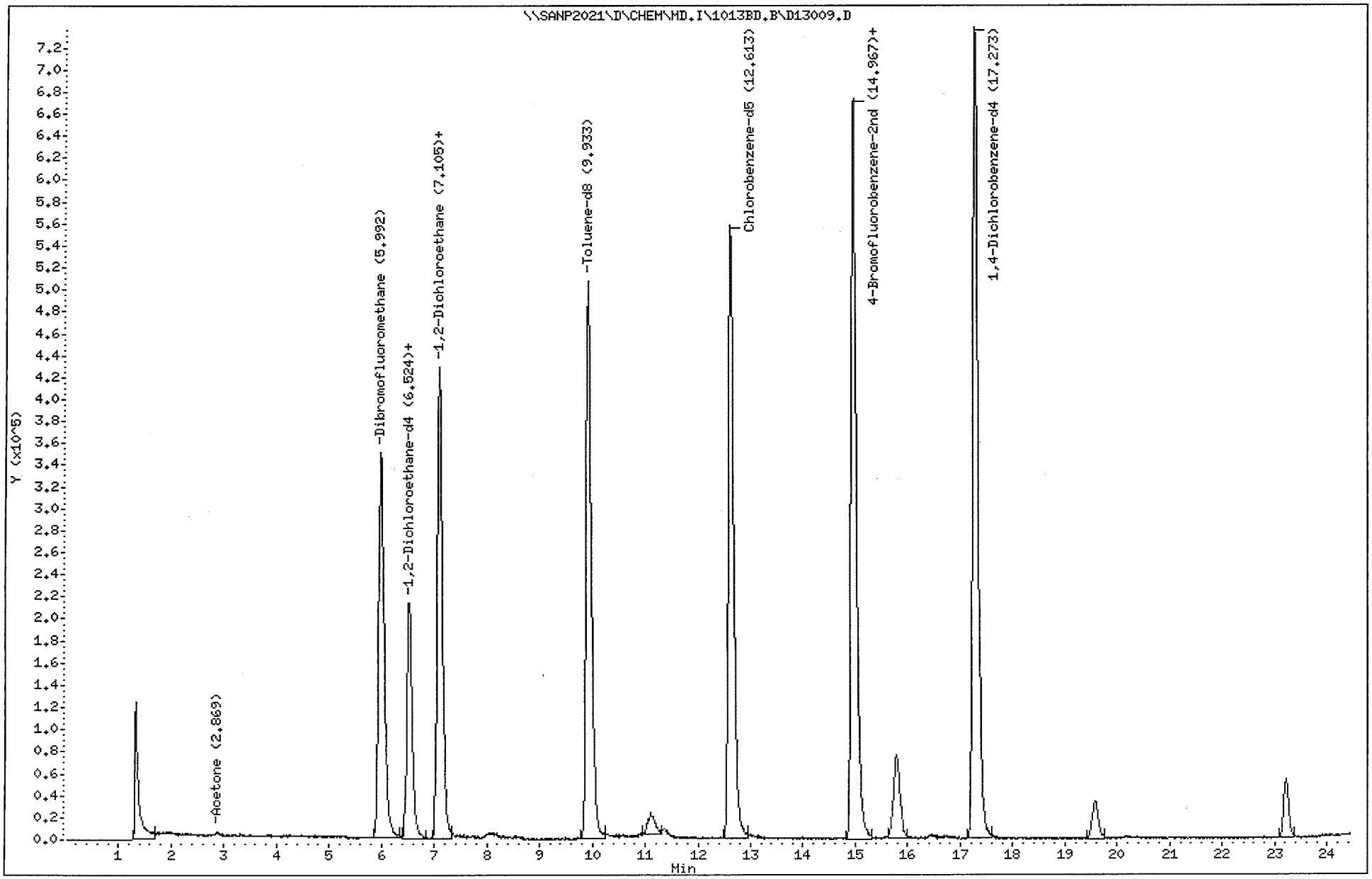
cap bleed

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13009.D
Date : 14-OCT-2000 06:55
Client ID: D13009
Sample Info: DLH4E101,,2,,0,1,0,8260BDA.M,D13009

Column phase: J&W DB-624

Instrument: md.i

Operator: AD
Column diameter: 0.53



000587

BOE-C6-0155252

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13009.D

Date : 14-OCT-2000 06:55

Client ID: D13009

Instrument: md.i

Sample Info: DLH4E101,,2,,0,1,0,8260BDA.M,D13009

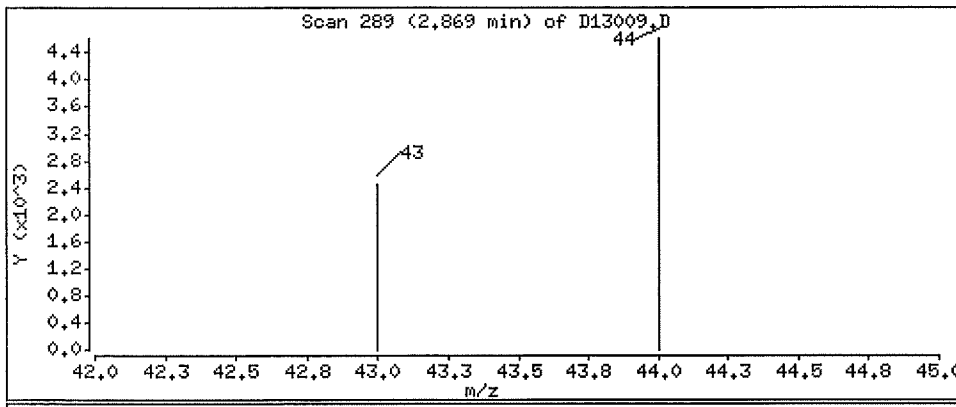
Operator: AD

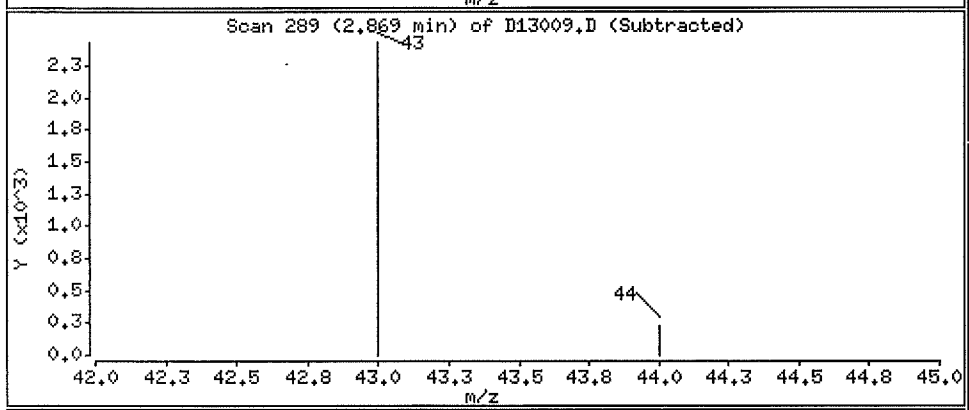
Column phase: J&W DB-624

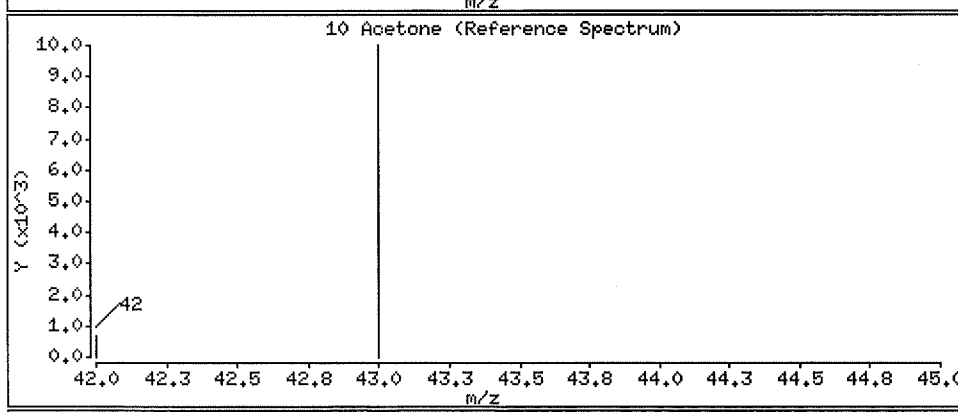
Column diameter: 0.53

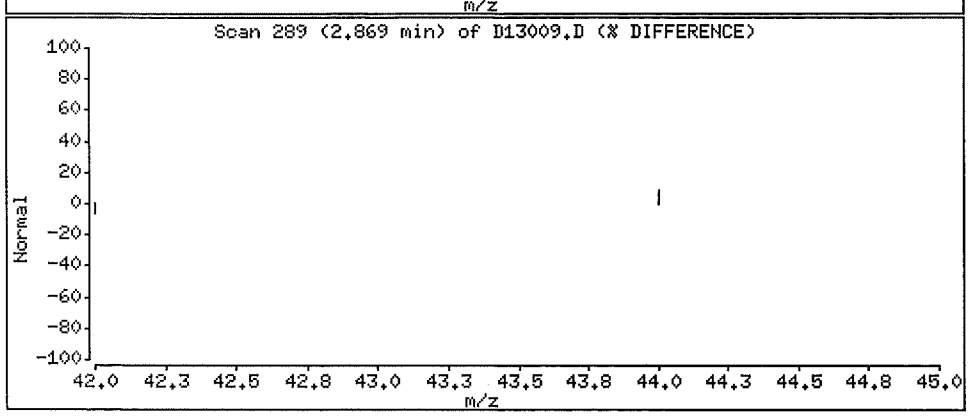
10 Acetone

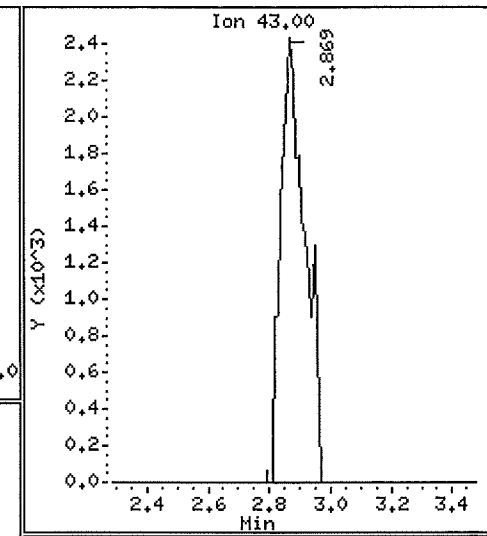
Concentration: 9.60 ug/Kg

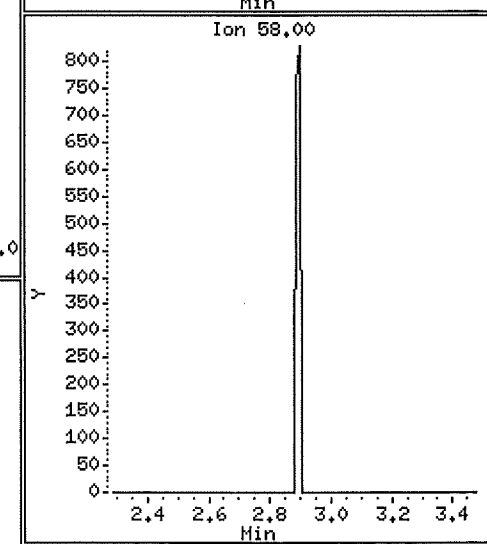












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13009.D

Date : 14-OCT-2000 06:55

Client ID: D13009

Instrument: md.i

Sample Info: DLH4E101,,2,,0,1,0,8260BDA.M,D13009

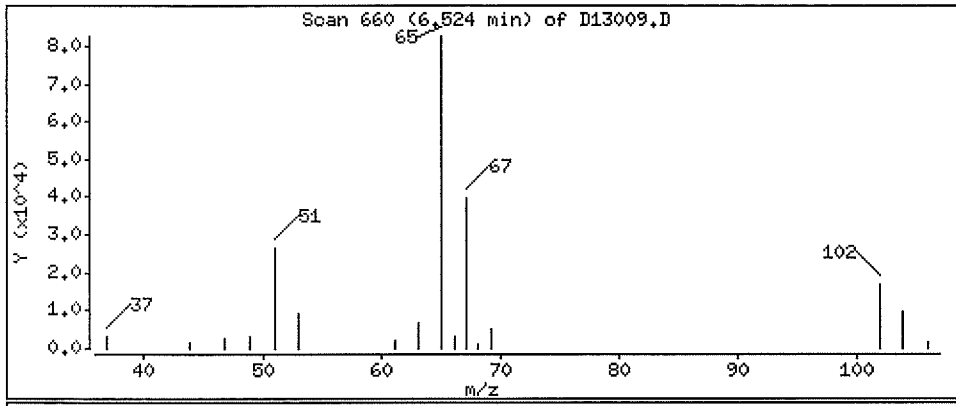
Operator: AD

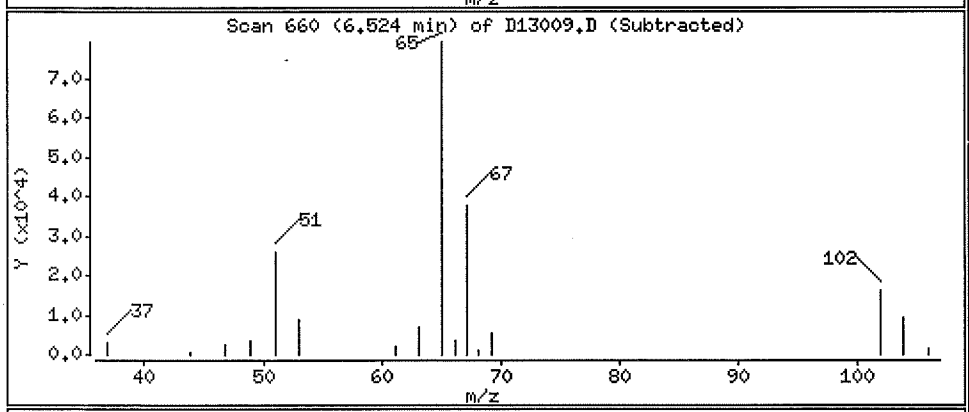
Column phase: J&W DB-624

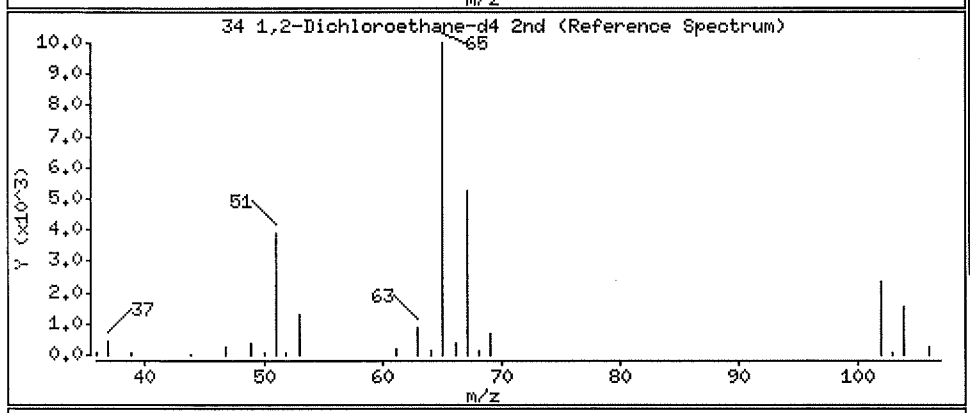
Column diameter: 0.53

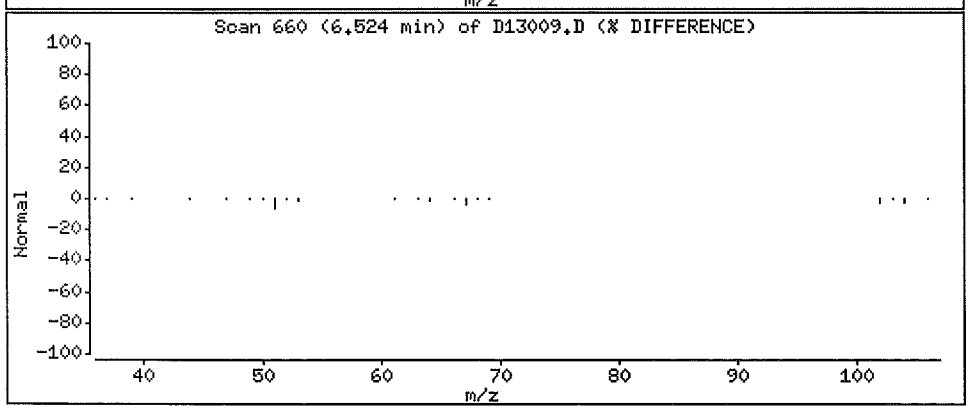
34 1,2-Dichloroethane-d4 2nd

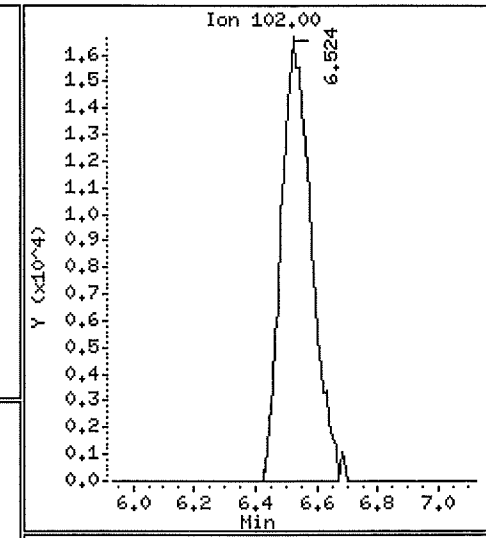
Concentration: 46.73 ug/Kg

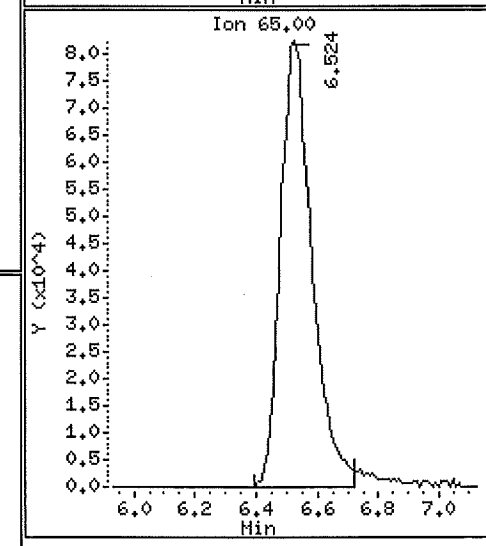












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13009.D

Date : 14-OCT-2000 06:55

Client ID: D13009

Instrument: md.i

Sample Info: DLH4E101,,2,,0,1,0,8260BDA.M,D13009

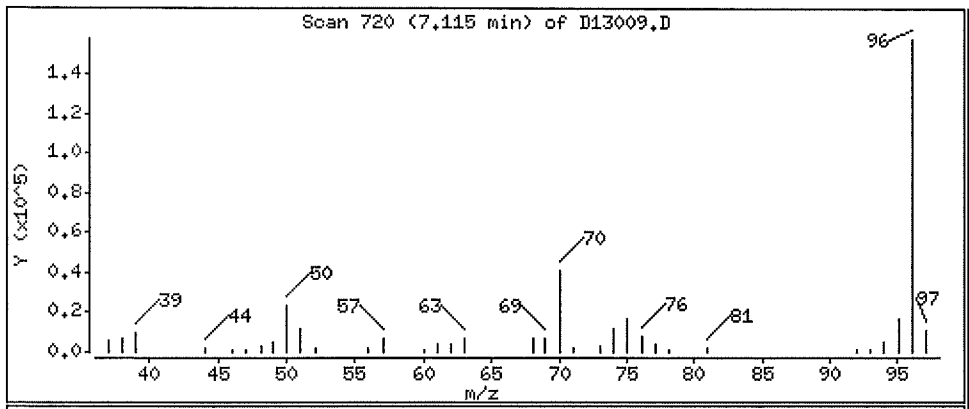
Operator: AD

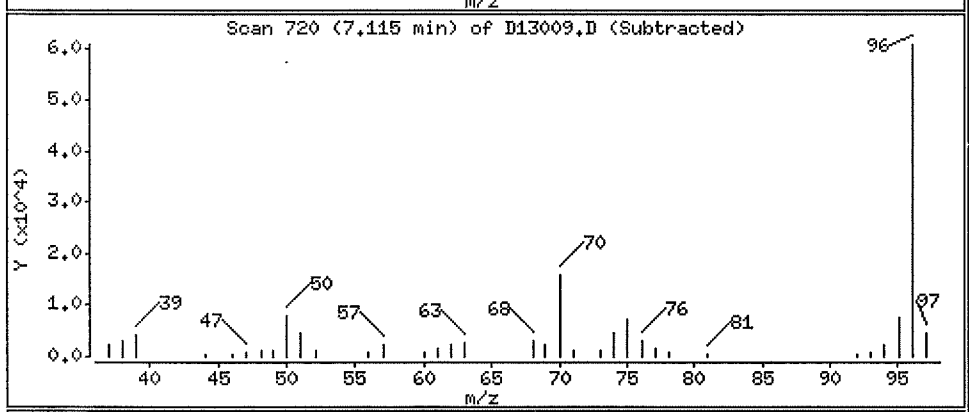
Column phase: J&W DB-624

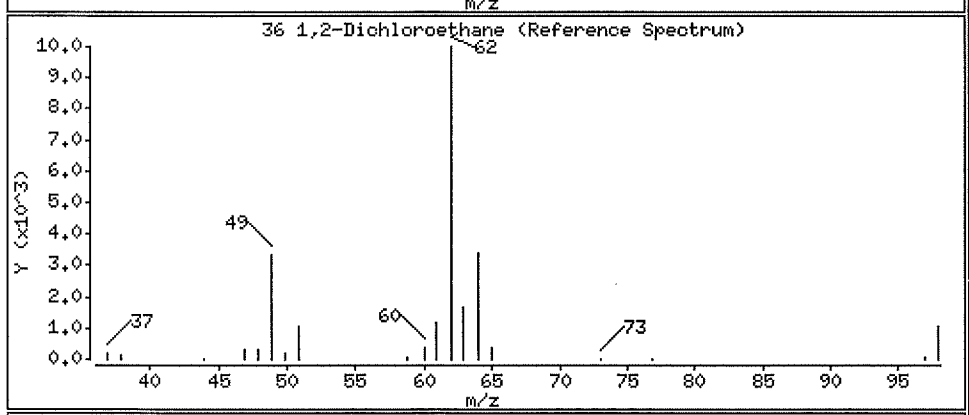
Column diameter: 0.53

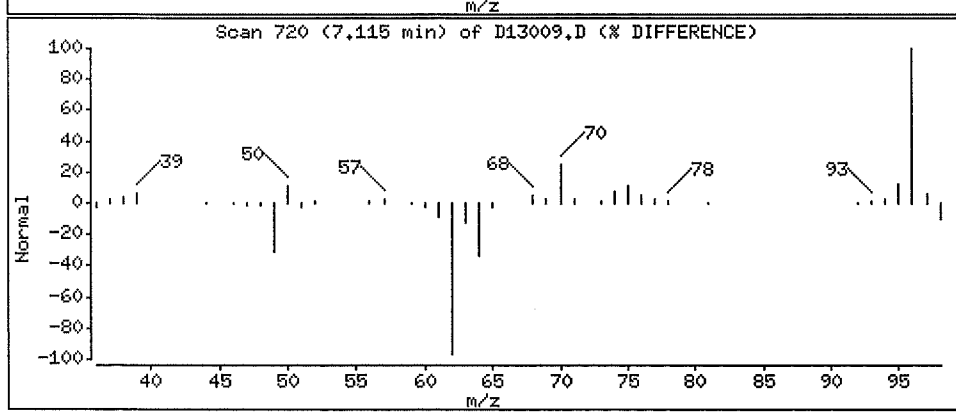
36 1,2-Dichloroethane

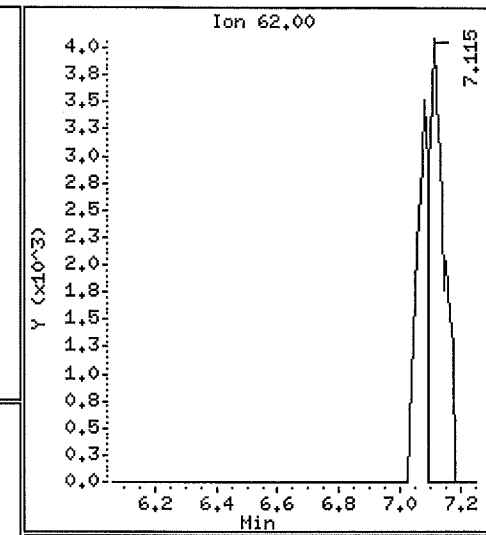
Concentration: 1.03 ug/Kg

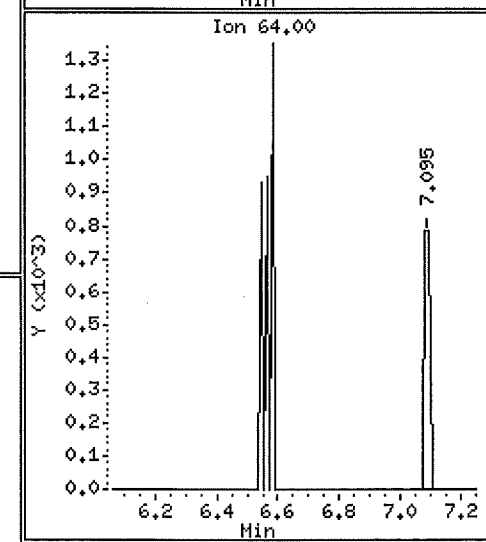


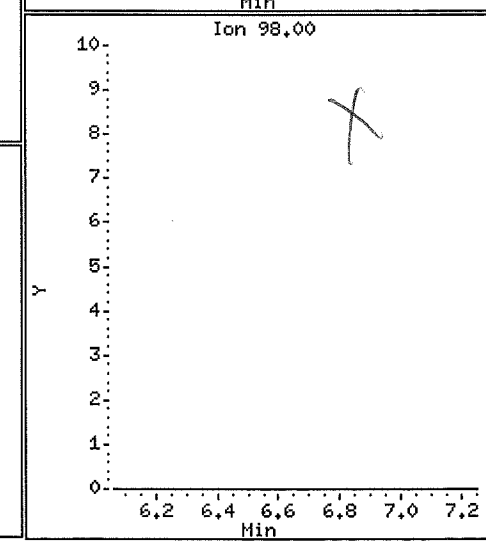












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13009.D

Date : 14-OCT-2000 06:55

Client ID: D13009

Instrument: md.i

Sample Info: DLH4E101,,2,,0,1,0,8260BDA,M,D13009

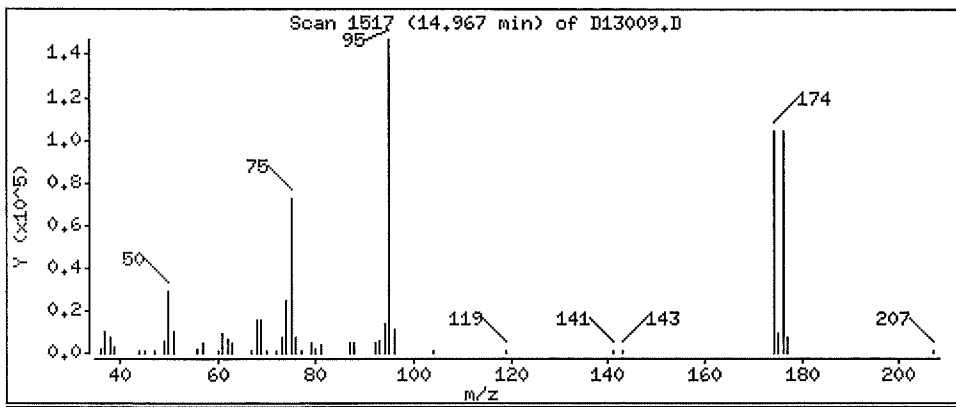
Operator: AD

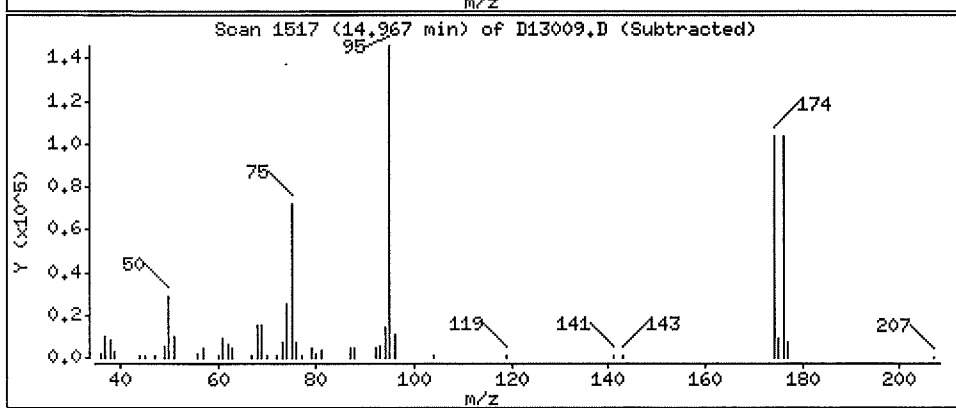
Column phase: J&W DB-624

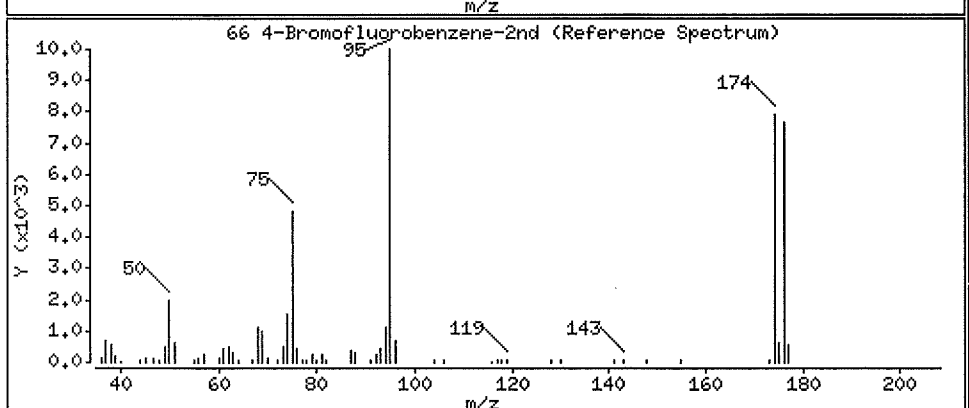
Column diameter: 0.53

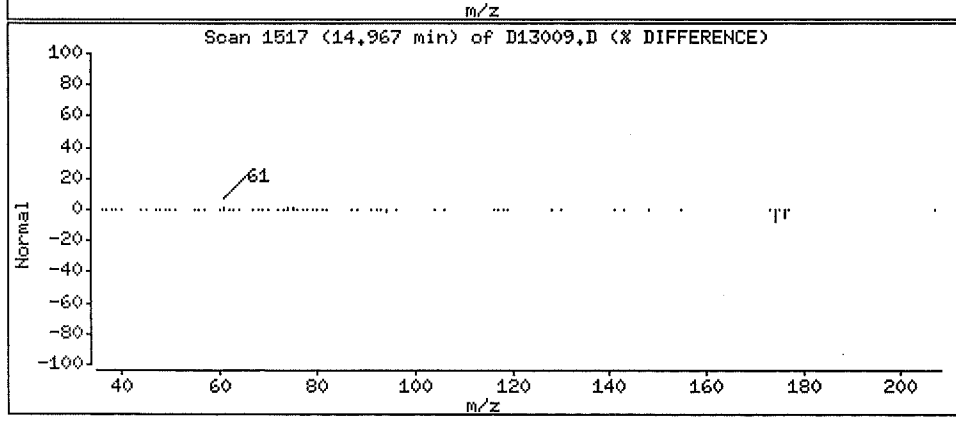
66 4-Bromofluorobenzene-2nd

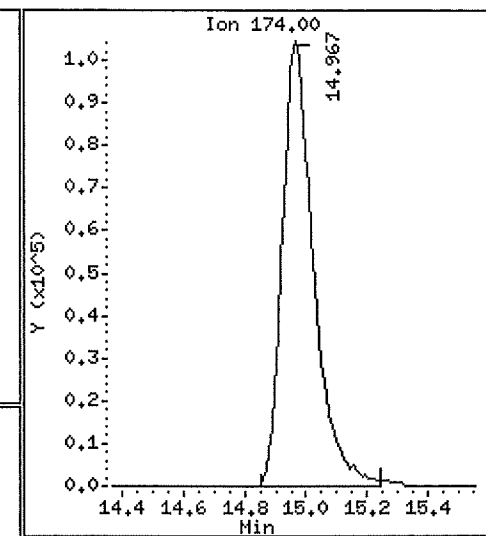
Concentration: 44.78 ug/Kg

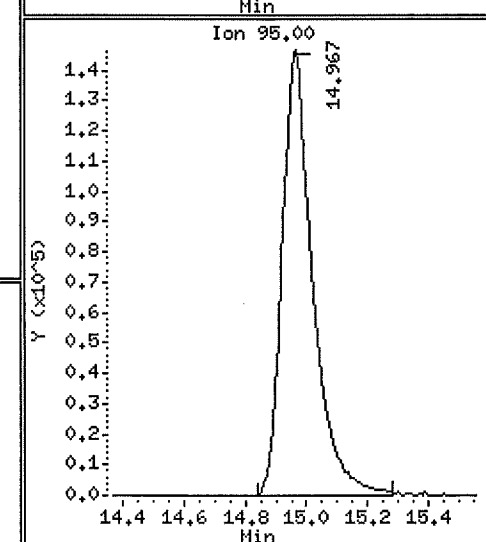


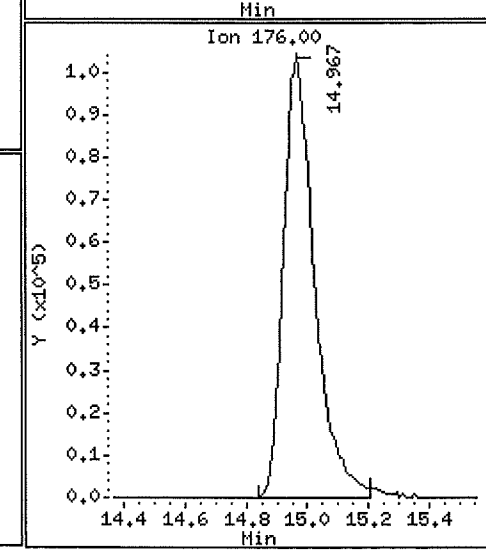












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13009.D

Date : 14-OCT-2000 06:55

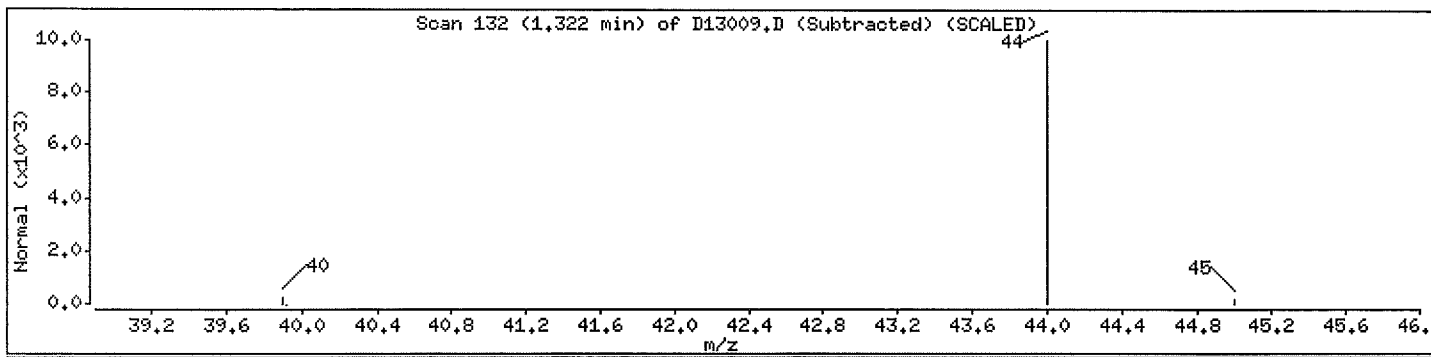
Client ID: D13009 Instrument: md.i

Sample Info: DLH4E101,,2,,0,1,0,8260BDA.M,D13009

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CDV

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13009.D

Date : 14-OCT-2000 06:55

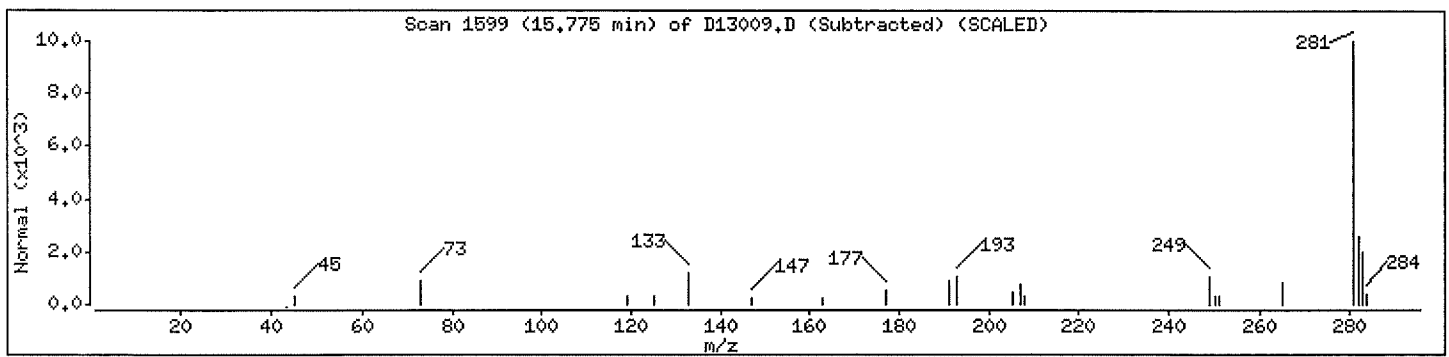
Client ID: D13009 Instrument: md.i

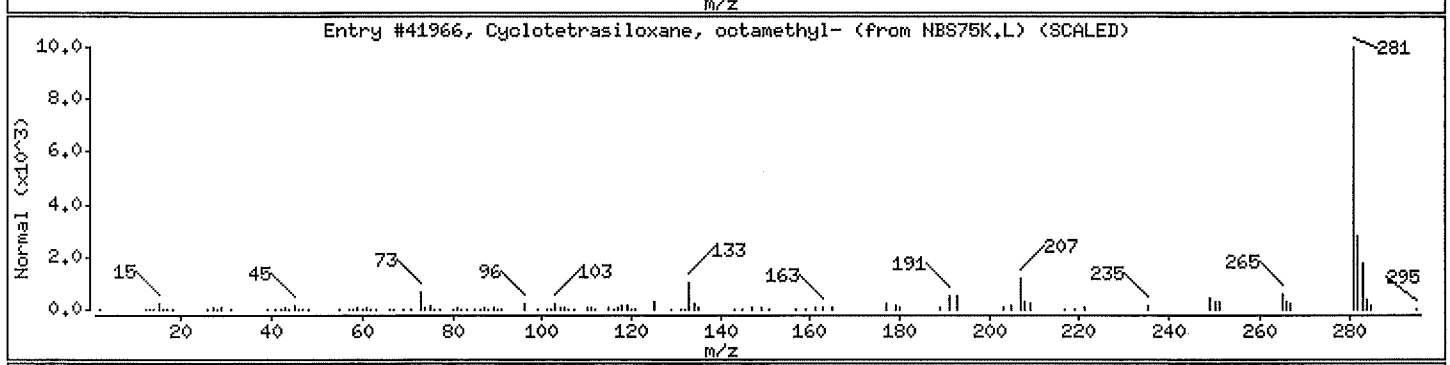
Sample Info: DLH4E101,,2,,0,1,0,8260BDA.M,D13009

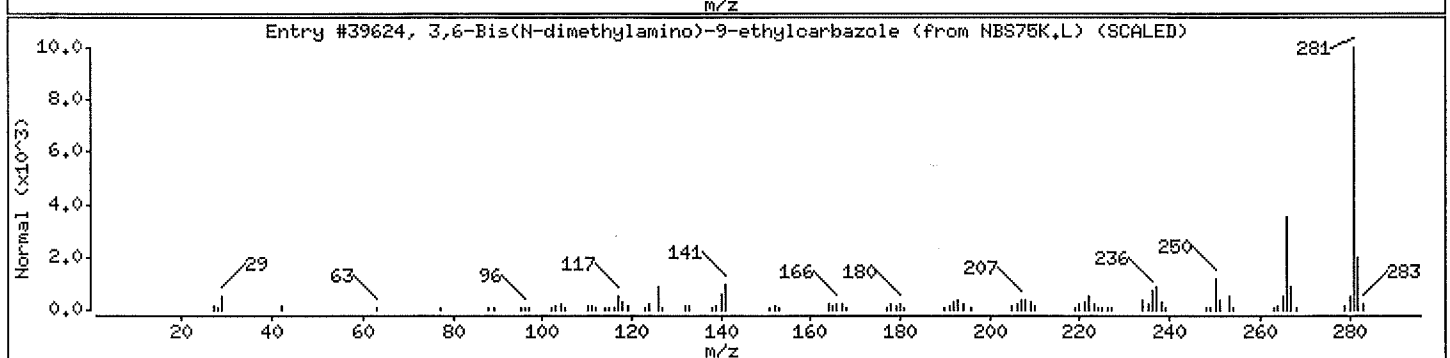
Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	37	C8H24O4Si4	296
3,6-Bis(N-dimethylamino)-9-ethylcarbazol	57103-04-5	NBS75K.L	39624	25	C18H23N3	281







Cap bleed

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13010.D
Lab Smp Id: DLH4F101 Client Smp ID: D13010
Inj Date : 14-OCT-2000 07:27
Operator : AD Inst ID: md.i
Smp Info : DLH4F101,,2,,0,1,0,8260BDA.M,D13010
Misc Info : E0J040125-23,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.893	2.883	(0.407)	7967	5.65818	5.66
$ 29 Dibromofluoromethane	111	5.996	6.006	(0.845)	860996	47.5884	47.59
$ 33 1,2-Dichloroethane-d4	65	6.528	6.529	(0.920)	647669	53.0347	53.03
34 1,2-Dichloroethane-d4 2nd	102	6.538	6.529	(0.921)	121607	49.3579	49.36
36 1,2-Dichloroethane	62	7.119	6.657	(1.003)	13912	1.02348	1.02(aQ)
* 38 Fluorobenzene	96	7.099	7.100	(1.000)	1271982	50.0000	
$ 47 Toluene-d8	98	9.927	9.928	(0.786)	1277989	44.8672	44.87
* 56 Chlorobenzene-d5	117	12.627	12.617	(1.000)	1230418	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.962	14.962	(0.866)	787715	44.4968	44.50
$ 67 4-Bromofluorobenzene	95	14.971	14.962	(0.867)	1085458	45.9405	45.94
* 79 1,4-Dichlorobenzene-d4	152	17.277	17.277	(1.000)	889051	50.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1013BD.B\D13010.D
Lab Smp Id: DLH4F101 Client Smp ID: D13010
Inj Date : 14-OCT-2000 07:27
Operator : AD Inst ID: md.i
Smp Info : DLH4F101,,2,,0,1,0,8260BDA.M,D13010
Misc Info : E0J040125-23,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1013BD.B\8260BDA.m
Meth Date : 13-Oct-2000 22:56 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.099	3039105	50.000
* 79 1,4-Dichlorobenzene-d4	17.277	5538288	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
1.326	561534	9.23846720	9.24	0		0	38
Cyclotetrasiloxane, octamethyl-					CAS #: 556-67-2		
15.789	910496	8.22000999	8.22	86	NBS75K.L	41966	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH4F101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13010
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.326	9.24	J
2. 556-67-2	~~Cyclotetrasiloxane, octamet~~	15.789	8.22	NJ

Cap bled

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13010.D

Date : 14-OCT-2000 07:27

Client ID: D13010

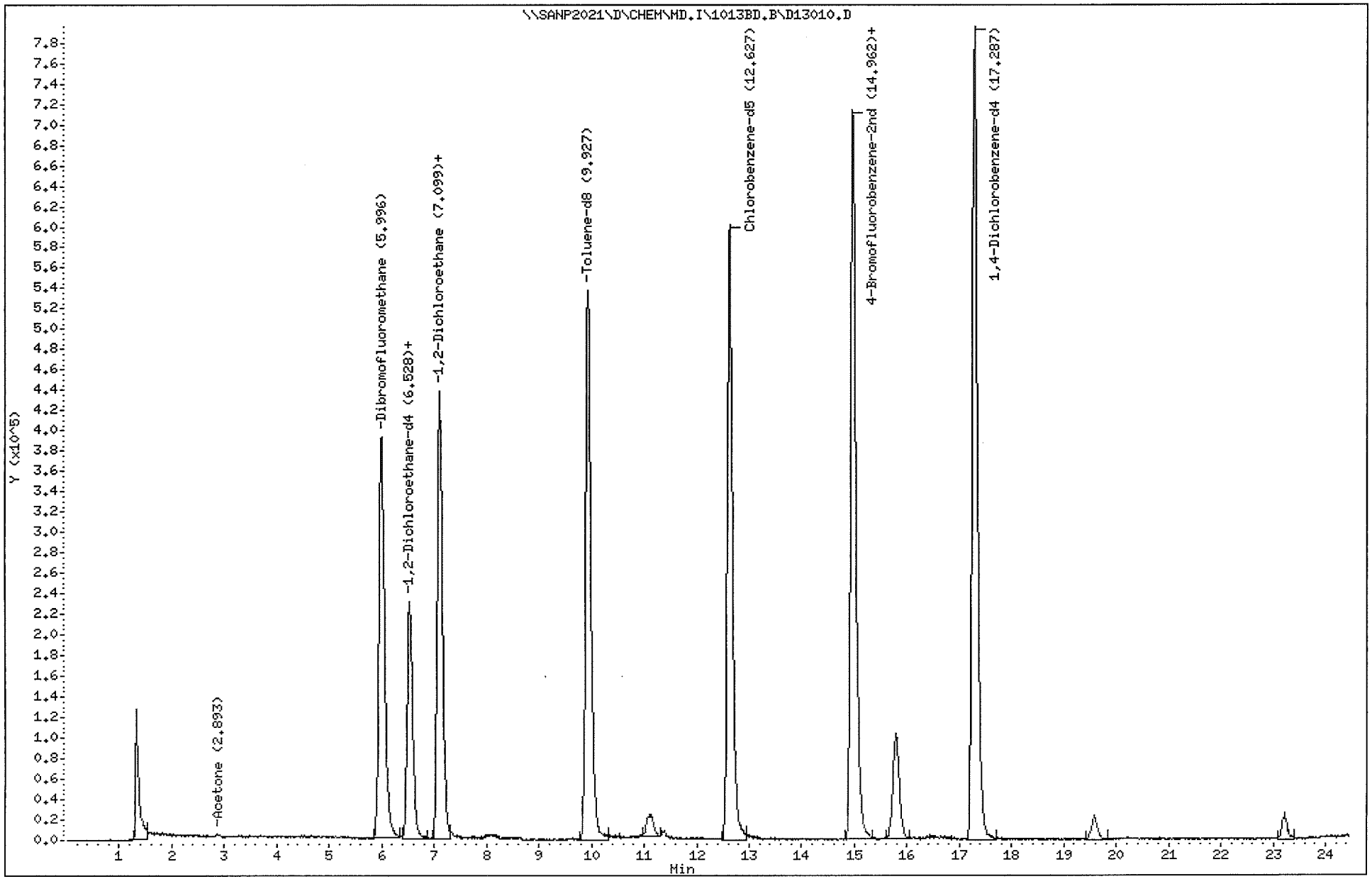
Sample Info: DLH4F101,,2,,0,1,0,8260BDA.M,D13010

Column phase: J&W DB-624

Instrument: md.i

Operator: AD

Column diameter: 0.53



000598

BOE-C6-0155263

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13010.D

Date : 14-OCT-2000 07:27

Client ID: D13010

Instrument: md.i

Sample Info: DLH4F101,,2,,0,1,0,8260BDA.M,D13010

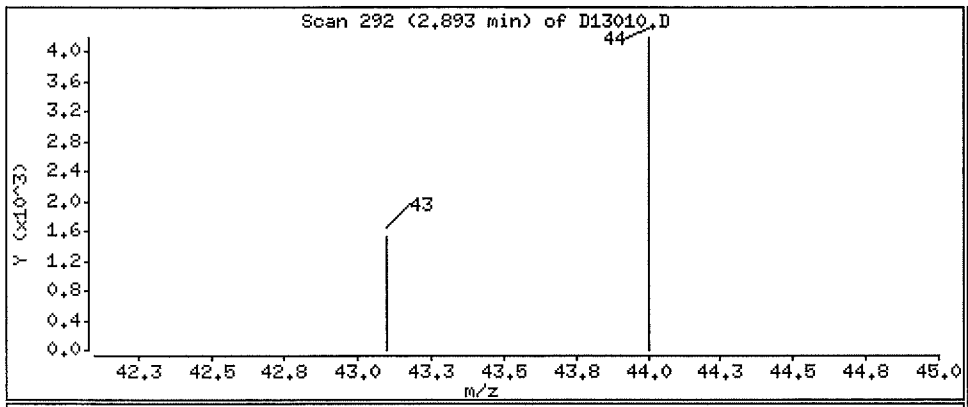
Operator: AD

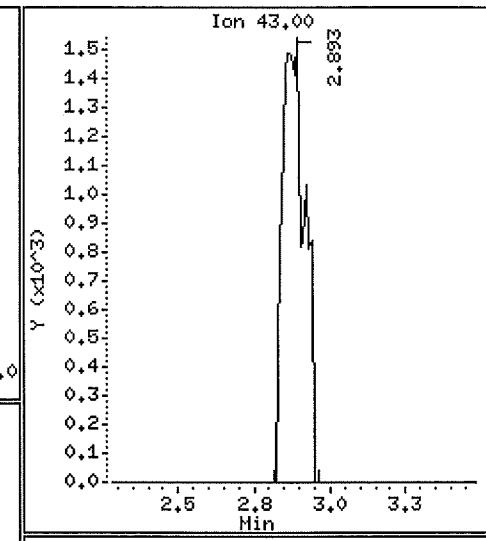
Column phase: J&W DB-624

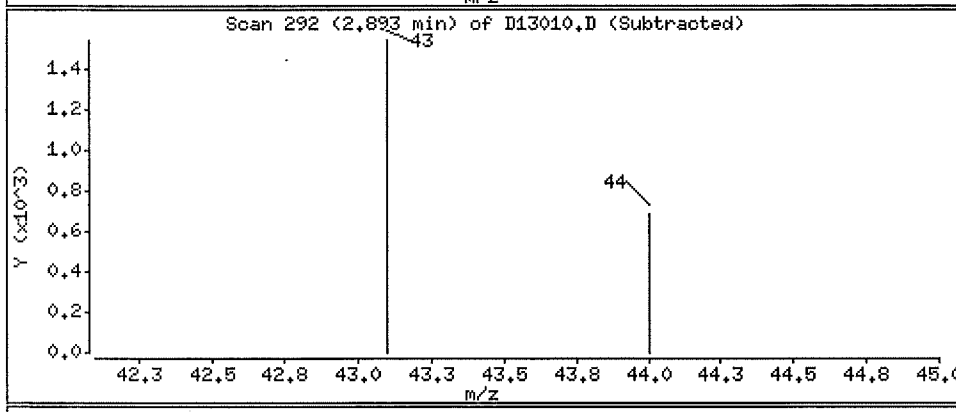
Column diameter: 0.53

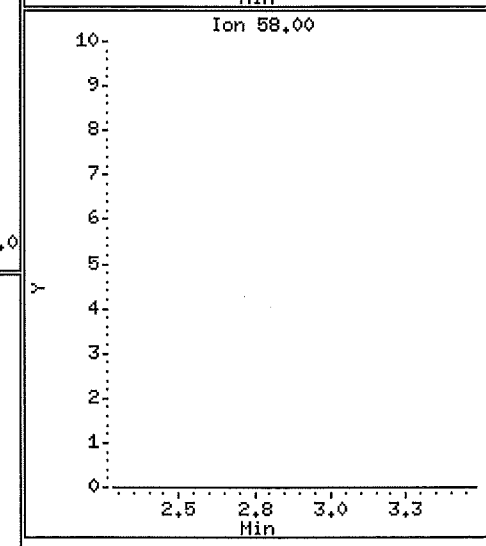
10 Acetone

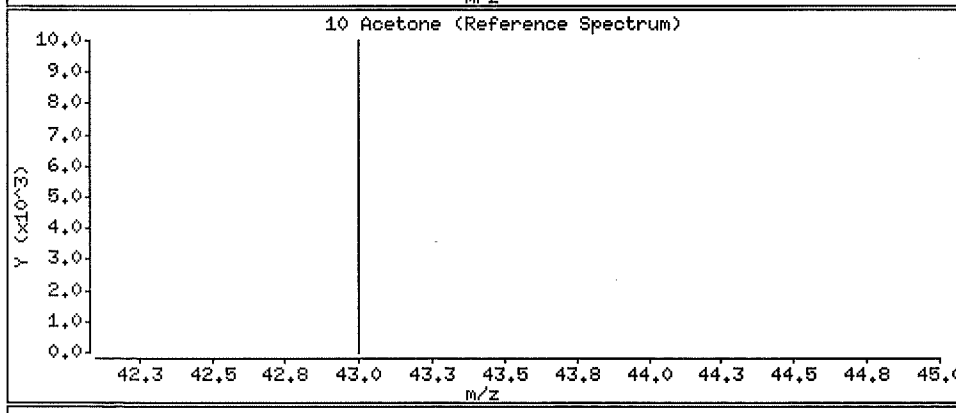
Concentration: 5.66 ug/Kg

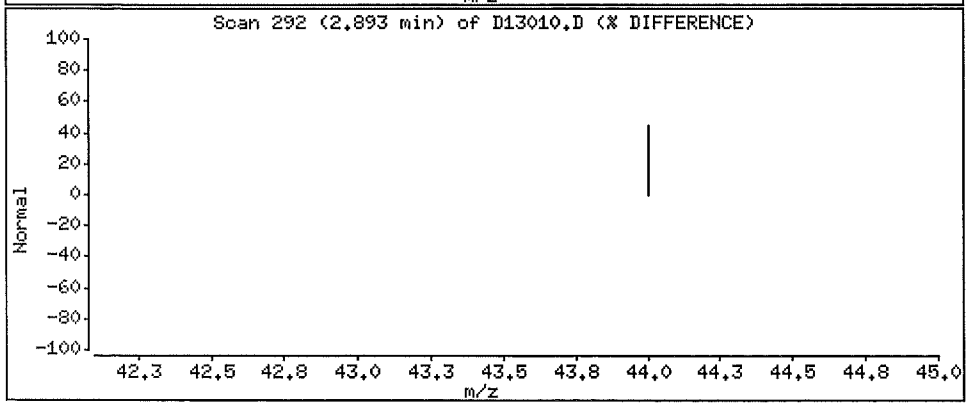












X

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13010.D

Date : 14-OCT-2000 07:27

Client ID: D13010

Instrument: md.i

Sample Info: DLH4F101,,2,,0,1,0,8260BDA.M,D13010

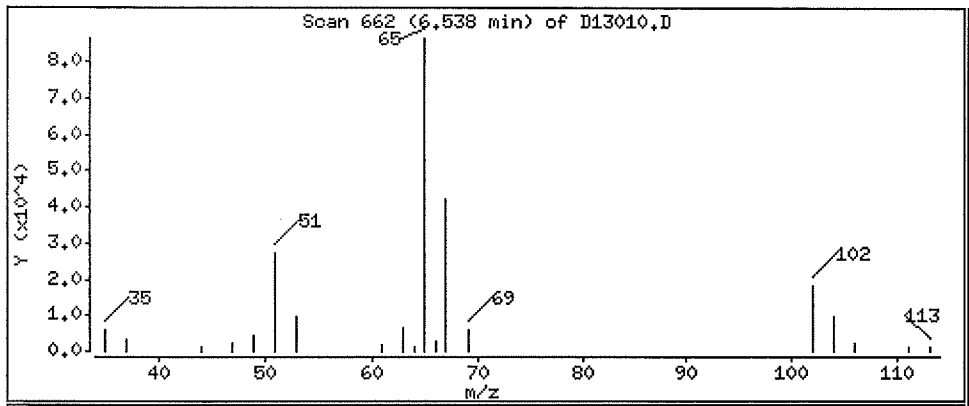
Operator: AD

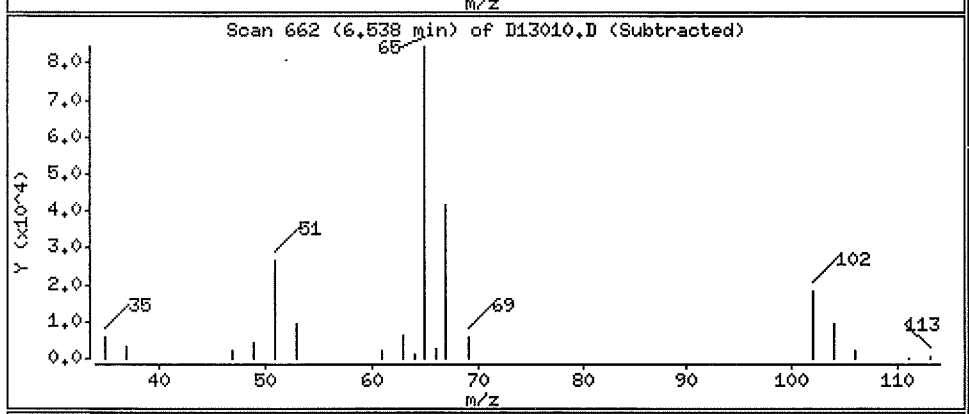
Column phase: J&W DB-624

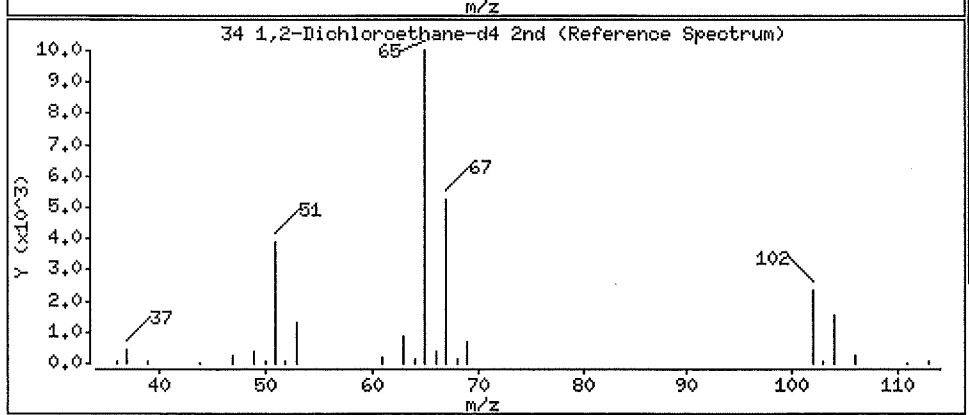
Column diameter: 0.53

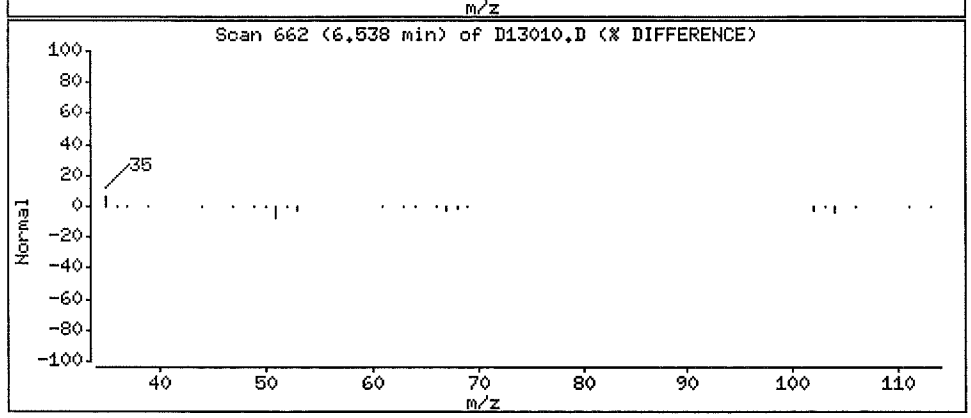
34 1,2-Dichloroethane-d4 2nd

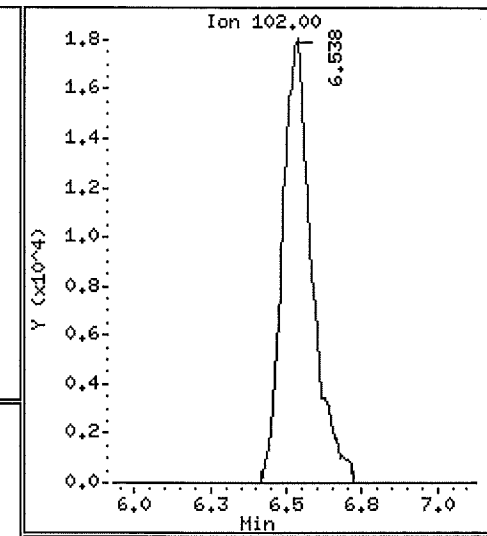
Concentration: 49.36 ug/Kg

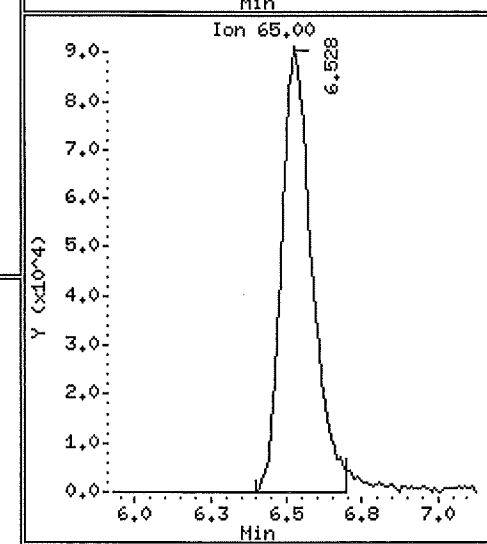












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13010.D

Date : 14-OCT-2000 07:27

Client ID: D13010

Instrument: md.i

Sample Info: DLH4F101,,2,,0,1,0,8260BDA.M,D13010

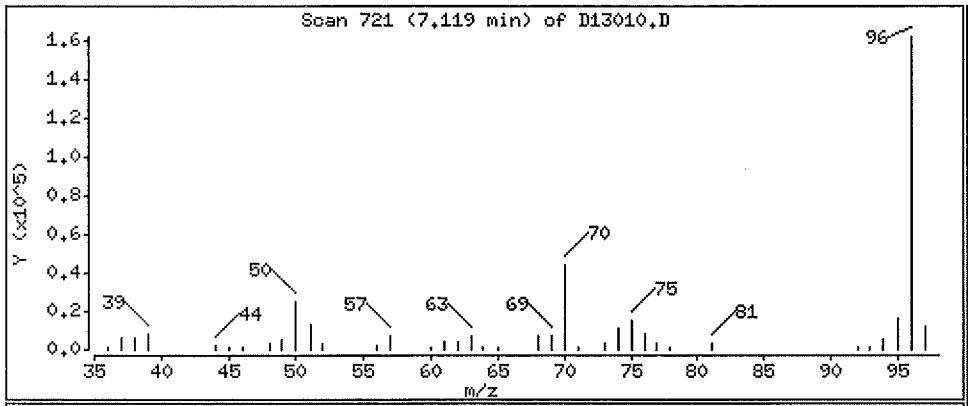
Operator: AD

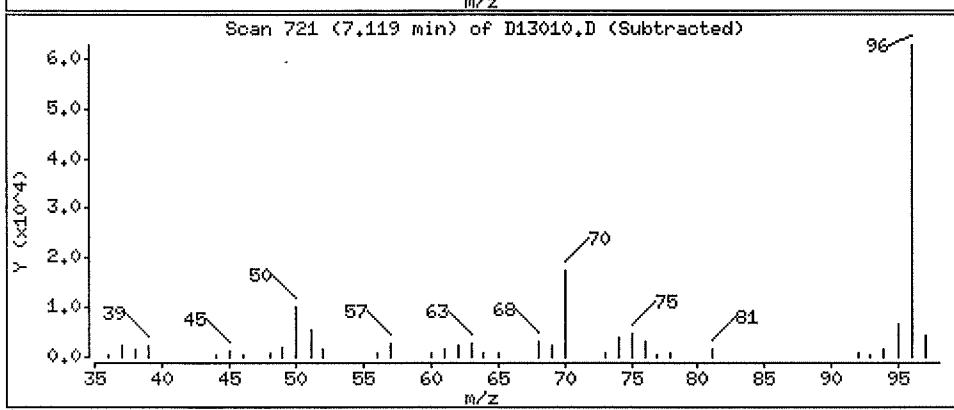
Column phase: J&W DB-624

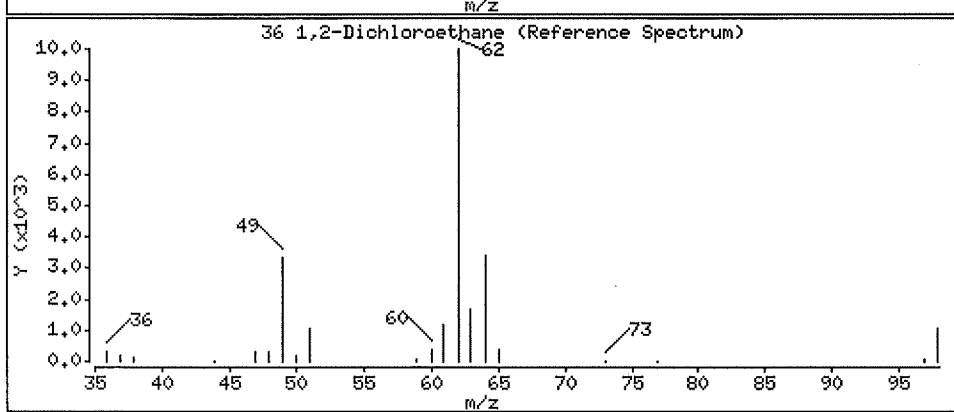
Column diameter: 0.53

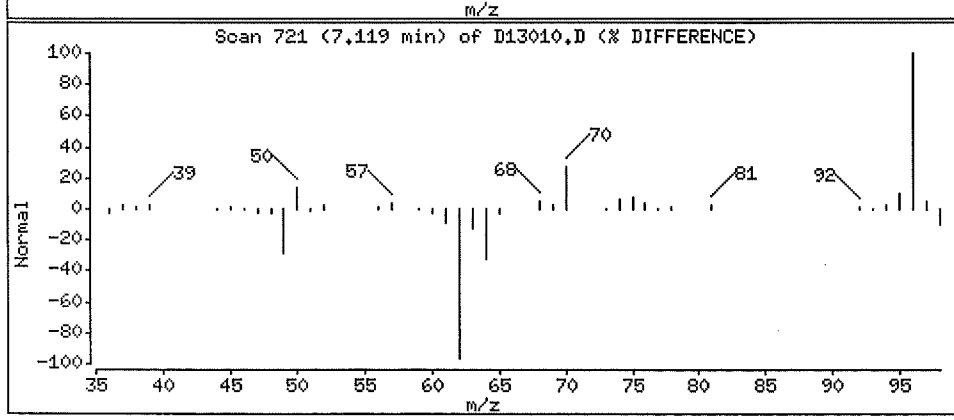
36 1,2-Dichloroethane

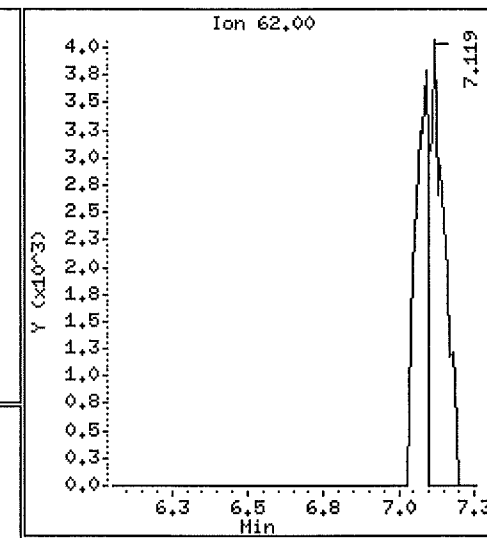
Concentration: 1.02 ug/Kg

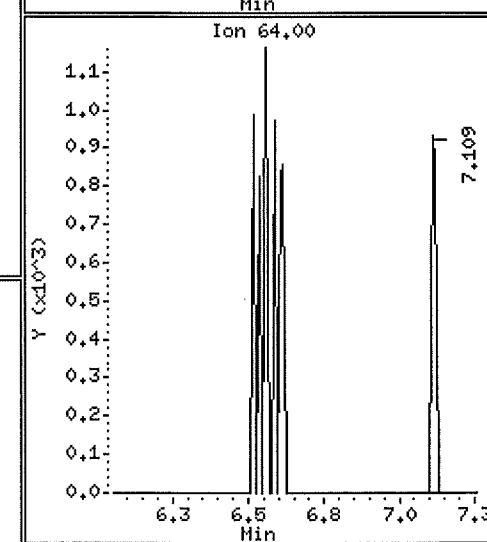


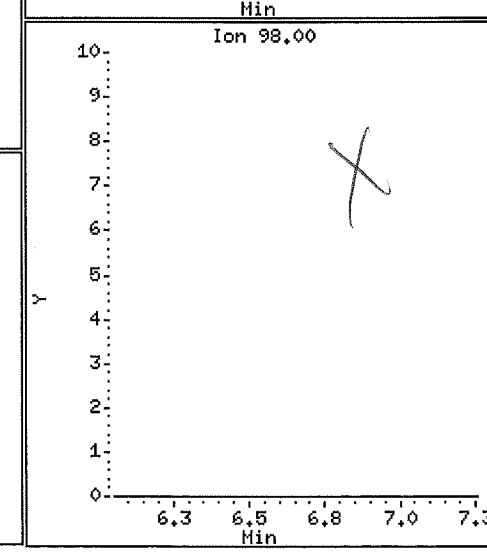












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13010.D

Date : 14-OCT-2000 07:27

Client ID: D13010

Instrument: md.i

Sample Info: DLH4F101,,2,,0,1,0,8260BDA.M,D13010

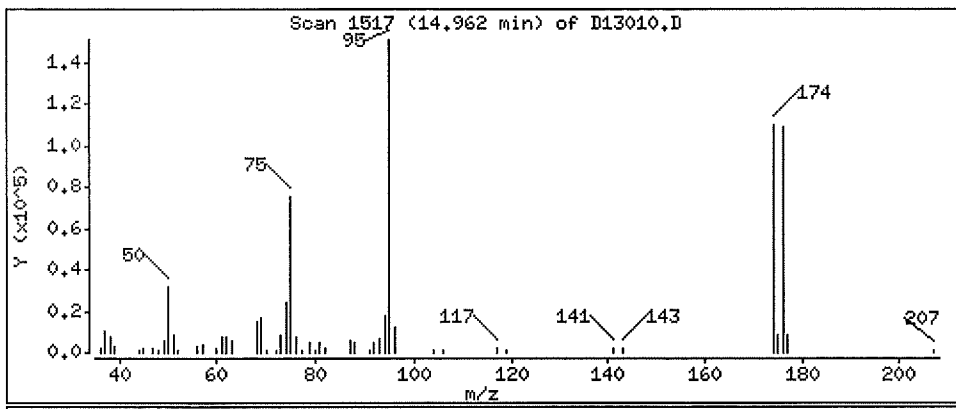
Operator: AD

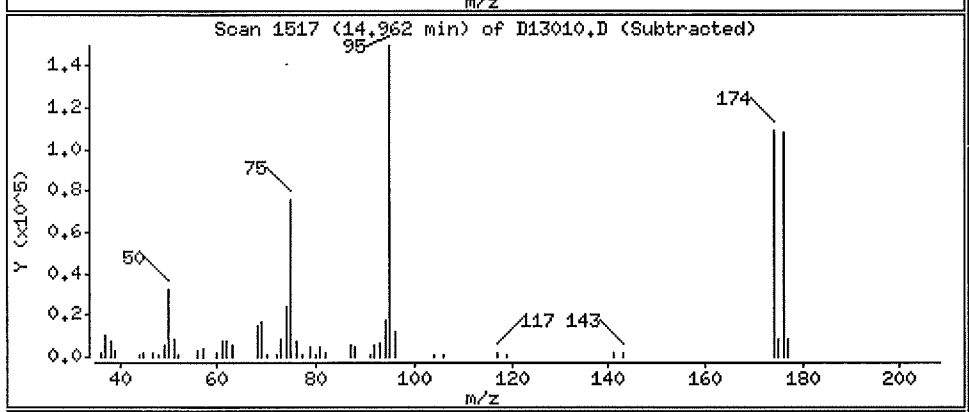
Column phase: J&W DB-624

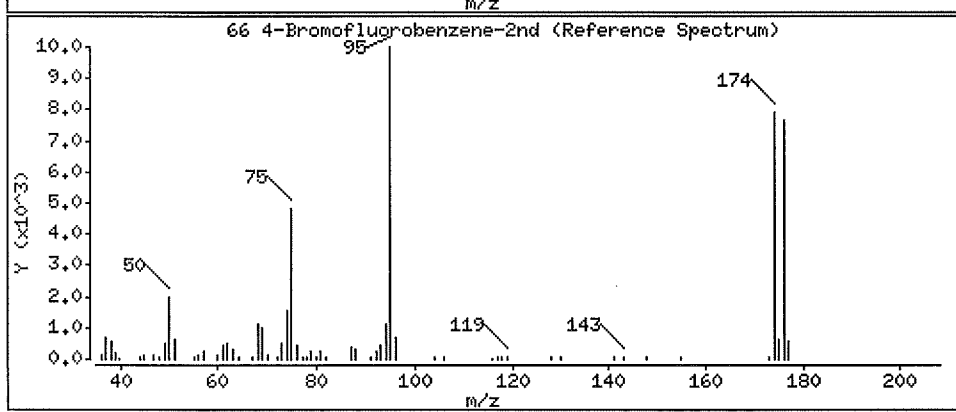
Column diameter: 0.53

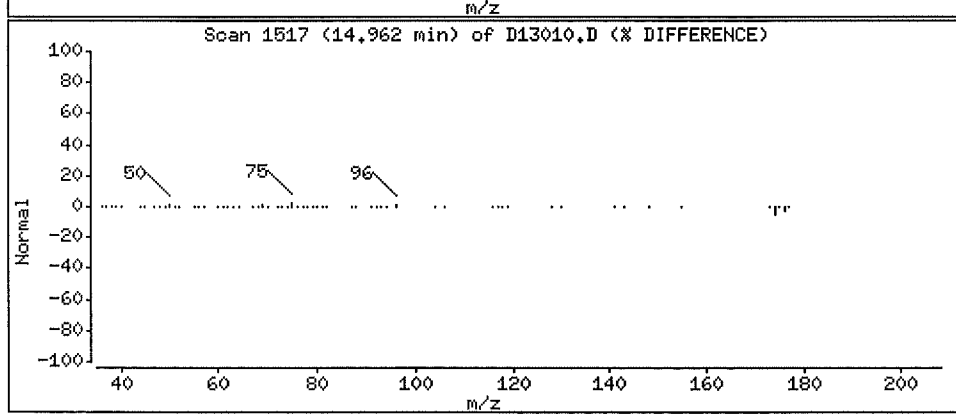
66 4-Bromofluorobenzene-2nd

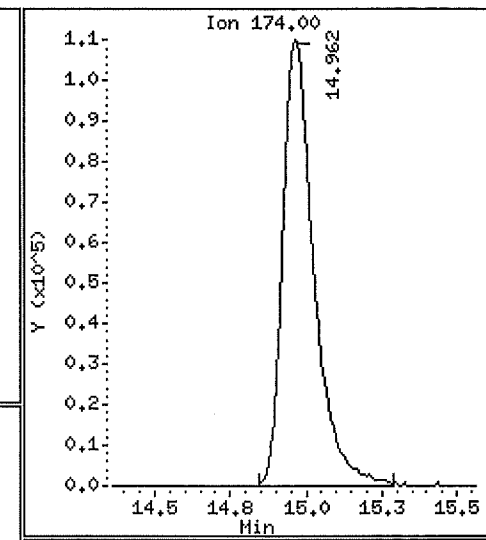
Concentration: 44.50 ug/Kg

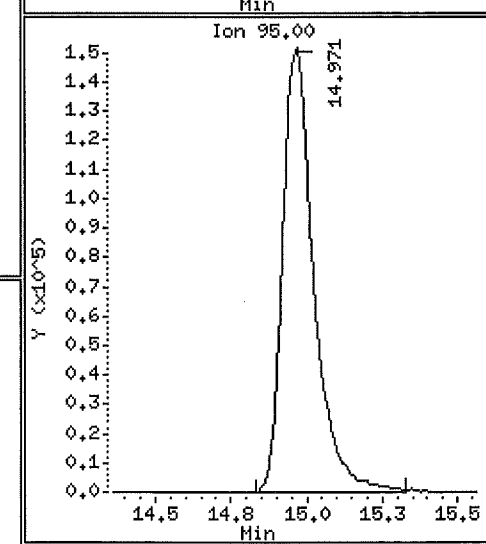


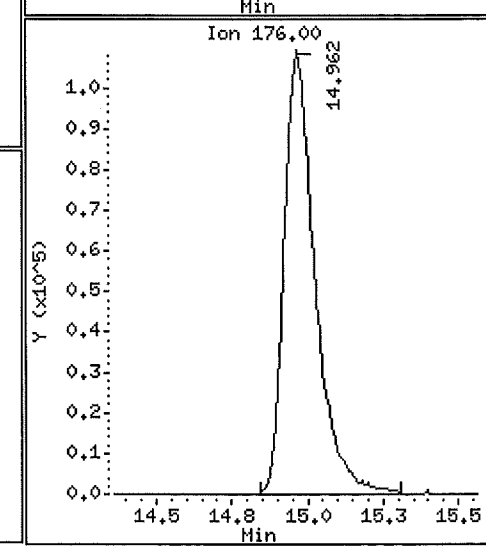












Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13010.D

Date : 14-OCT-2000 07:27

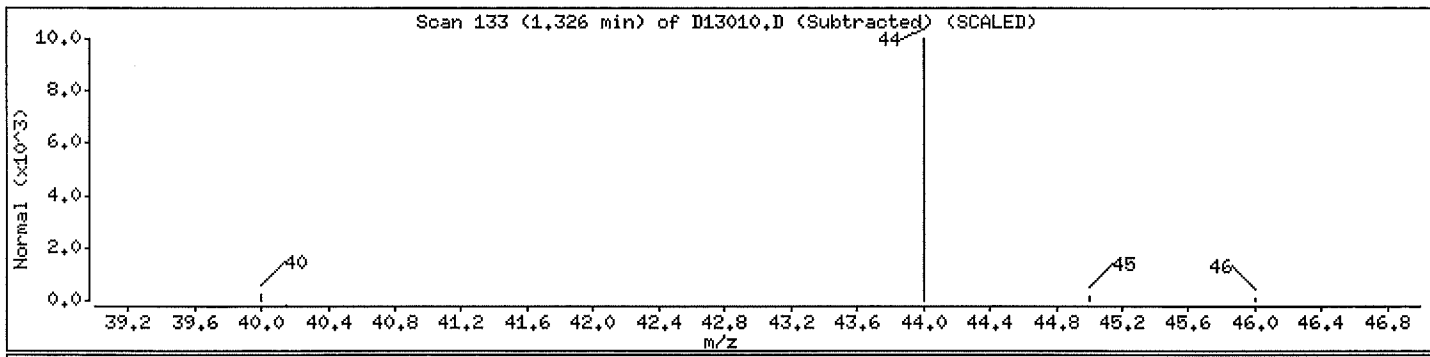
Client ID: D13010 Instrument: md.i

Sample Info: DLH4F101,,2,,0,1,0,8260BDA.M,D13010

Operator: AD

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2

Data File: \\SANP2021\D\CHEM\MD.I\1013BD.B\D13010.D

Date : 14-OCT-2000 07:27

Client ID: D13010

Instrument: md.i

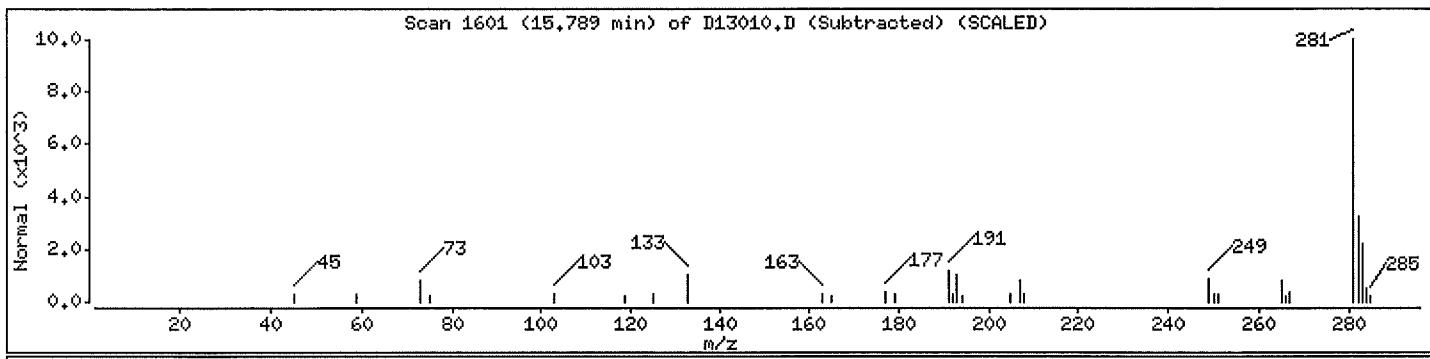
Sample Info: DLH4F101,,2,,0,1,0,8260BDA.M,D13010

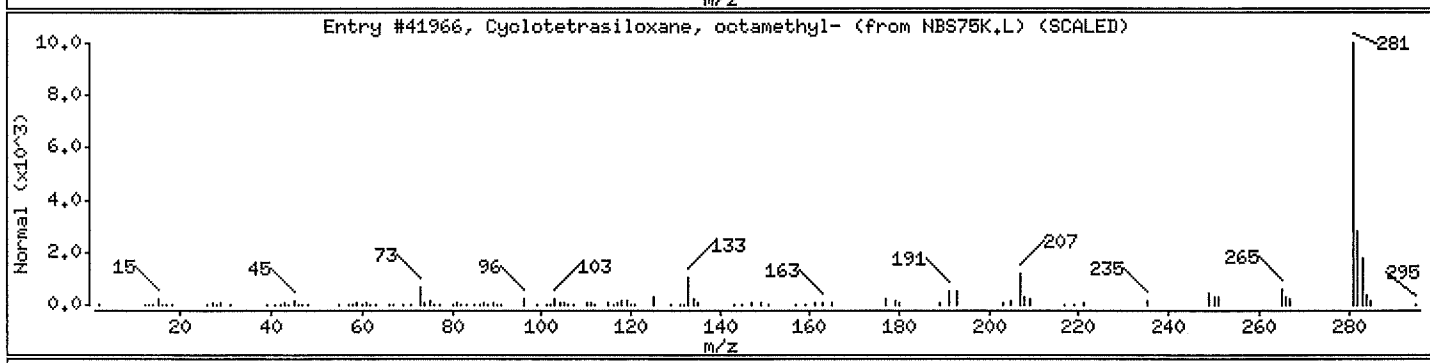
Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	86	C8H24O4Si4	296





cyp bleed

8260B SAMPLE / QC DATA

DATE ANALYZED: 101400

INSTRUMENT ID: MSD

SAMPLES: E030/0125.

BOE-C6-0155270

ch ID: 0289119

FJK 10/18/00

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: C[illegible]P-MS-0002 Rev 2] ☑ 5030B ☐ 5035

st ID: MSD	EM Set: 1706	Tune File: BFB.U	Seq File: 1014AD
			Date: 101400
it. Cal ID: 8260BDA 100400			

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
7:44		DT1578	50ng BFB	–	–	14	–	–	✓			MSWA 1198-1
0:04		DS2T38	50ppb 8260B	1	Soil	Sg	1	141	✓			IS12571, SUR1255-1, SSD1255-2
0:55		D13014	101400ADI-LCS-S	2				138	✓			
1:27		15	LCS RAS	3				134	✓			QC1253-1
2:10		16	DLH60101	5				132	✓			EOJ040125-30
2:42		17	DLH3M101	6				40	N			Low purge 10
3:14		18	DLHSF101	7				123	✓			26
13:46		19	DLHSM101	8				89	✓			27
14:18		20	DLHSR101	9				127	✓			28
14:50		21	DLHST101	10				123	✓			29
15:22		22	DLH60102S	11				123	✓			QC1253-1 30MS
15:53		23	DLH60103D	12				125	✓			" 30MD
16:25		24	DM1131AA	13				127	✓			EOJ120162-1
16:57		25	DM12D1AA	14				127	✓			2
17:29		26	DM12E1AA	15				124	✓			3
18:01		27	DLJK1104	16				125	✓			EOJ040322-2
18:33		28	DLJK6104	17				125	✓			3
19:05		29	DLJK8104	18				123	✓			4
19:37		30	DLJKA104	19				114	✓			5
20:09		31	DLJKC104	20				71	✓			6
20:41		32	DLJKD104	21				125	N			TCE=441 7
21:13		33	DLJKE104	22				119	✓			8
21:45		34	DLJKF104	23				118	N			OUT OF TUNE 9
22:17		35	DLJKG104	24				119	N			10
22:49		36	DLJKH104	25				120	N			11

000606

000104

Version 01/04/99

G:\FORMS\Run Log\MSV Runlog.DOC

BOE-C6-0155271

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA54651

Lab File ID (Standard): DS2538 Date Analyzed: 10/14/00

Instrument ID: MD Time Analyzed: 1004

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

		IS1 AREA #	RT	IS2 (CBZ) AREA #	RT	IS3 (DCB) AREA #	RT
	12 HOUR STD	1412643	7.10	1260017	12.63	932561	17.28
	UPPER LIMIT	2825286	7.60	2520034	13.13	1865122	17.78
	LOWER LIMIT	706322	6.60	630009	12.13	466281	16.78
	EPA SAMPLE NO.						
01	D13014	1389523	7.11	1315187	12.63	920985	17.28
02	D13015	1342253	7.10	1261813	12.62	948632	17.27
03	D13016	1323201	7.11	1283396	12.62	896111	17.28
04	D13017	408769*	7.11	389757*	12.64	284459*	17.28
05	D13018	1239566	7.11	1189860	12.63	827486	17.29
06	D13019	898696	7.10	868617	12.62	621361	17.28
07	D13020	1272570	7.11	1219791	12.62	885247	17.28
08	D13021	1239788	7.10	1160717	12.63	841396	17.27
09	D13022	1234807	7.11	1165980	12.62	866884	17.27
10	D13023	1258737	7.11	1180292	12.63	871591	17.29
11	D13024	1272822	7.11	1222185	12.63	874762	17.28
12	D13025	1272541	7.11	1227529	12.63	874648	17.29
13	D13026	1245445	7.11	1179639	12.63	835405	17.28
14	D13027	1251139	7.10	1181903	12.62	859780	17.29
15	D13028	1251643	7.10	1184575	12.63	854683	17.28
16	D13029	1233186	7.11	1167839	12.63	829008	17.29
17	D13030	1148930	7.10	1095044	12.63	796159	17.29
18	D13031	713322	7.11	692126	12.63	501644	17.29
19	D13032	1252315	7.11	1180898	12.63	847670	17.28
20	D13033	1196823	7.10	1144985	12.63	833860	17.29
21	D13034	1188959	7.11	1173498	12.62	839057	17.28
22	D13035	1194538	7.10	1157767	12.63	838248	17.27

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

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

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

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA54651

Lab File ID (Standard): DS2538 Date Analyzed: 10/14/00

Instrument ID: MD Time Analyzed: 1004

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

		IS1 AREA #	RT	IS2 (CBZ) AREA #	RT	IS3 (DCB) AREA #	RT
	12 HOUR STD	1412643	7.10	1260017	12.63	932561	17.28
	UPPER LIMIT	2825286	7.60	2520034	13.13	1865122	17.78
	LOWER LIMIT	706322	6.60	630009	12.13	466281	16.78
	EPA SAMPLE NO.						
01	D13036	1209887	7.10	1165072	12.63	839893	17.29
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

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

FORM VIII VOA 1/87 Rev.

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\DT1578.D

Date : 14-OCT-2000 09:44

Client ID:

Instrument: md.i

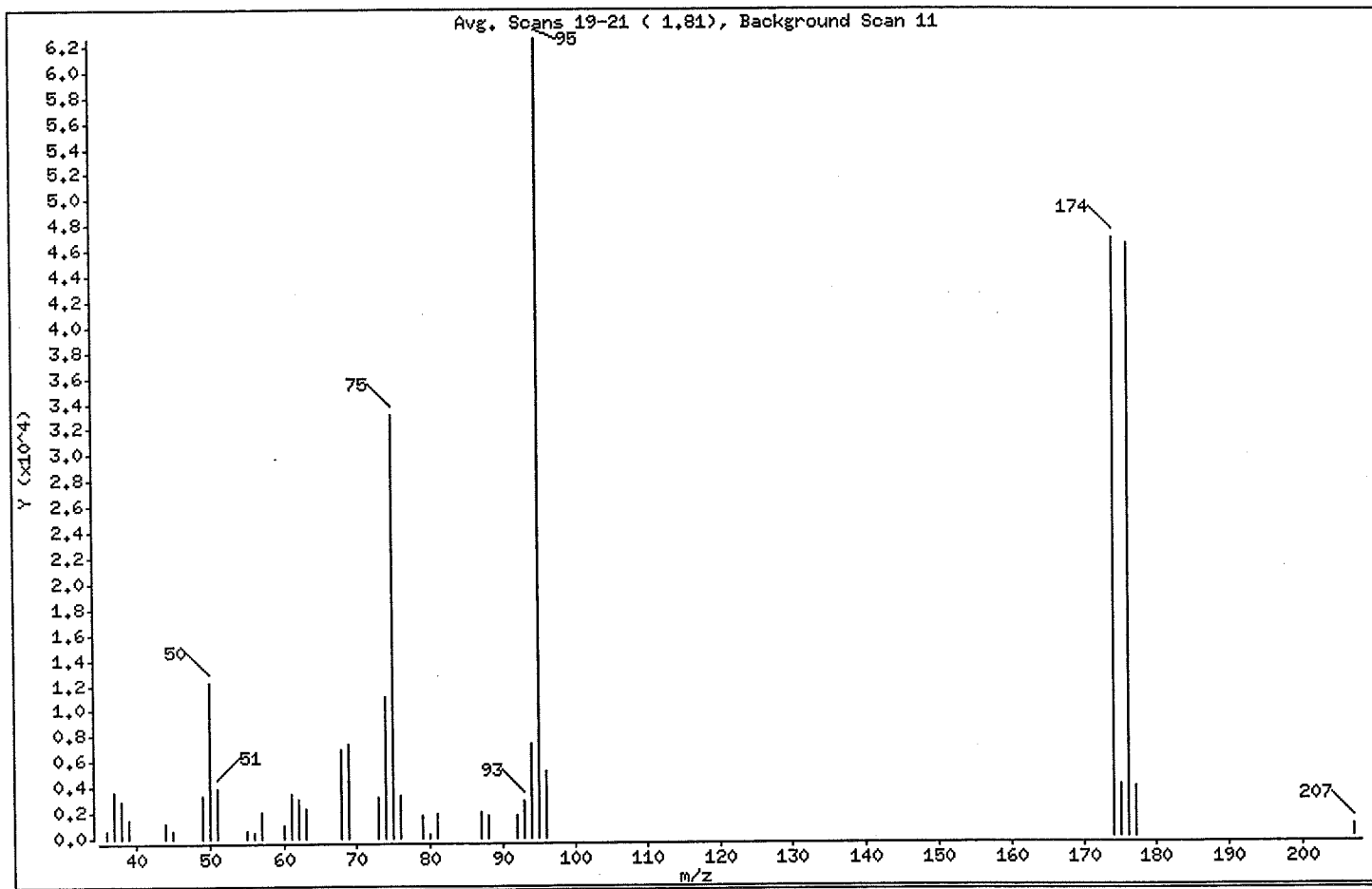
Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.56
75	30.00 - 60.00% of mass 95	52.76
96	5.00 - 9.00% of mass 95	8.27
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	74.99
175	5.00 - 9.00% of mass 174	6.43 (8.57)
176	95.00 - 101.00% of mass 174	74.33 (99.11)
177	5.00 - 9.00% of mass 176	6.10 (8.21)

10-15-00

STL Los Angeles

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\DT1578.D
Lab Smp Id:
Inj Date : 14-OCT-2000 09:44
Operator : RRT Inst ID: md.i
Smp Info : 50 ng BFB,bfb,,,,,,bfb.m
Misc Info : 1uL;1198-1,,,,3,all.sub
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\BFB.M
Meth Date : 11-Jul-2000 09:15 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: 4.00 Sample Matrix: WATER
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * Vf * VI

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

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
1.8135	1.8000	(0.000)	95	62562			0.00- 100.00	100.00
1.8135	1.8000	(0.000)	50	12235			15.00- 40.00	19.56
1.8135	1.8000	(0.000)	75	33008			30.00- 60.00	52.76
1.8135	1.8000	(0.000)	96	5172			5.00- 9.00	8.27
1.8135	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.8135	1.8000	(0.000)	174	46917			50.00- 0.00	74.99
1.8135	1.8000	(0.000)	175	4020			5.00- 9.00	8.57
1.8135	1.8000	(0.000)	176	46501			95.00- 101.00	99.11
1.8135	1.8000	(0.000)	177	3816			5.00- 9.00	8.21

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\DT1578.D

Date : 14-OCT-2000 09:44

Client ID:

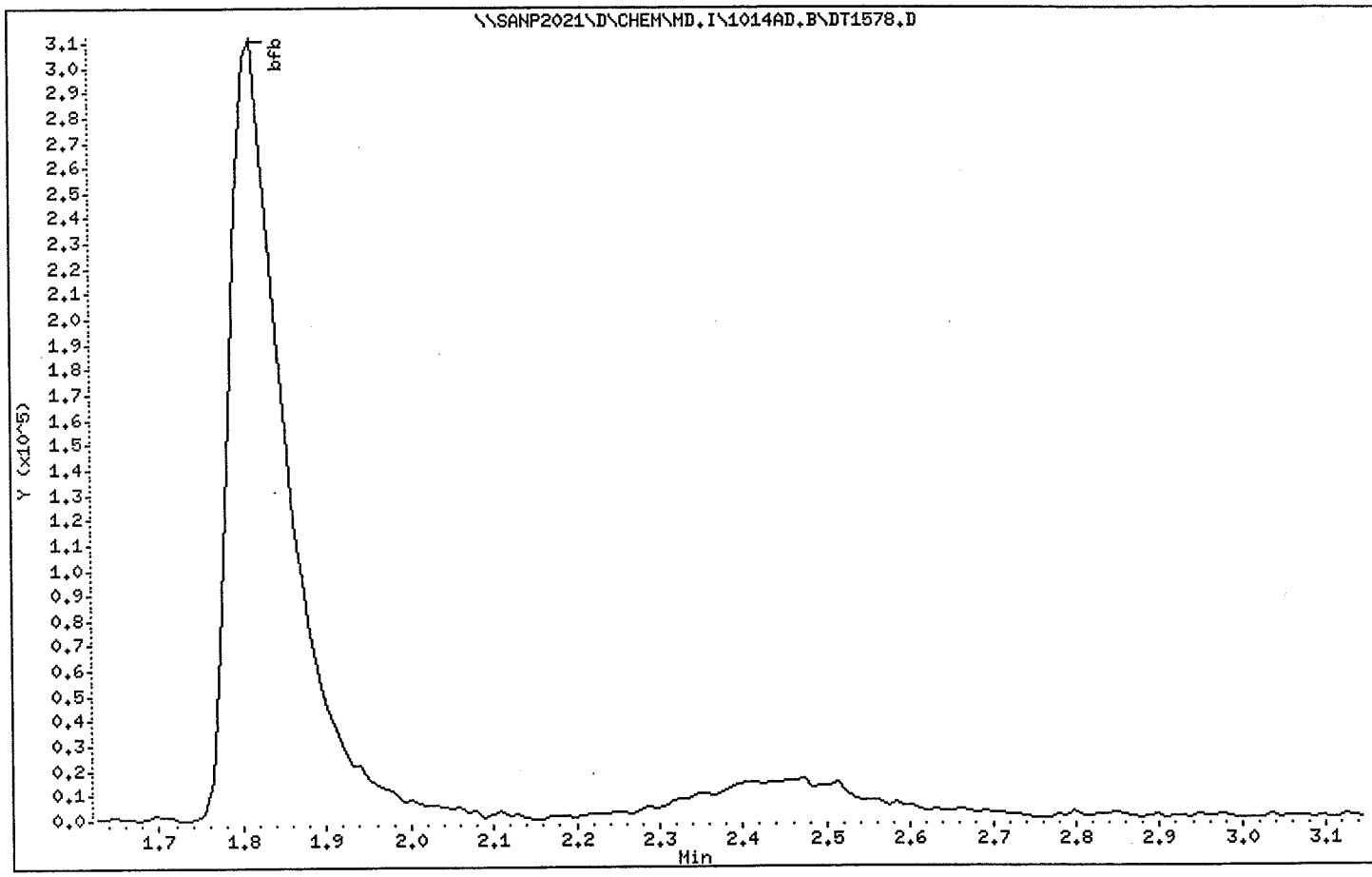
Instrument: md.i

Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\DT1578.D

Date : 14-OCT-2000 09:44

Client ID:

Instrument: md.i

Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Data File: DT1578.D
Spectrum: Avg. Scans 19-21 (1.81), Background Scan 11
Location of Maximum: 95.00
Number of points: 37

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	574	56.00	493	75.00	33008	95.00	62560
37.00	3630	57.00	1995	76.00	3285	96.00	5172
38.00	2871	60.00	1029	79.00	1694	174.00	46912
39.00	1467	61.00	3405	80.00	261	175.00	4020
44.00	1128	62.00	3008	81.00	1886	176.00	46496
45.00	541	63.00	2234	87.00	2074	177.00	3816
49.00	3288	68.00	6972	88.00	1796	207.00	857
50.00	12235	69.00	7352	92.00	1715		
51.00	3814	73.00	3097	93.00	2899		
55.00	598	74.00	11084	94.00	7343		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i Injection Date: 14-OCT-2000 10:04
Lab File ID: DS2538.D Init. Cal. Date(s): 04-OCT-2000 04-OCT-2000
Analysis Type: SOIL Init. Cal. Times: 11:03 14:02
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Dichlorodifluoromethane	0.44644	0.45098	0.010	1.0	50.0	
	2 Vinyl chloride (*)	0.21607	0.22337	0.010	3.4	20.0	
	3 Chloromethane (**)	0.19012	0.19880	0.100	4.6	50.0	
	4 Bromomethane	0.21985	0.22675	0.010	3.1	50.0	
	5 Chloroethane	0.13964	0.15852	0.010	13.5	50.0	
	6 Trichlorofluoromethane	0.71629	0.82977	0.010	15.8	50.0	
	7 Acrolein	0.01339	0.00958	0.001	-28.4	50.0	
	8 1,1-Dichloroethene(*)	0.28163	0.28275	0.010	0.4	20.0	
	9 1,1,2-Trichlorotrifluoroeth	0.46984	0.47085	0.010	0.2	50.0	
	10 Acetone	0.05535	0.06638	0.010	19.9	50.0	
	11 Iodomethane	0.54249	0.58885	0.001	8.5	50.0	
	12 Carbon disulfide	0.63173	0.59400	0.010	-6.0	50.0	
	13 Methylene chloride	0.28611	0.30073	0.010	5.1	50.0	
	14 t-Butanol	0.00532	0.00664	0.001	24.9	20.0	<-
	15 trans-1,2-Dichloroethene	0.32668	0.33676	0.010	3.1	50.0	
	16 Acrylonitrile	0.04256	0.04881	0.001	14.7	20.0	
	17 Methyl-tert-butyl ether[MTB	0.75221	0.81970	0.010	9.0	50.0	
	18 1,1-Dichloroethane (**)	0.56293	0.61068	0.100	8.5	50.0	
	19 Vinyl acetate	0.72587	0.72733	0.010	0.2	50.0	
	20 Isopropyl ether	0.97354	1.02566	0.010	5.4	20.0	
	21 2,2-Dichloropropane	0.61103	0.67111	0.010	9.8	50.0	
	22 Tert-butyl ethyl ether	0.93101	1.01917	0.010	9.5	20.0	
	23 cis-1,2-Dichloroethene	0.33158	0.36535	0.010	10.2	50.0	
	24 2-Butanone	0.09614	0.10877	0.010	13.1	50.0	
	25 Bromochloromethane	0.21883	0.25541	0.010	16.7	50.0	
	26 Chloroform (*)	0.73233	0.78994	0.010	7.9	20.0	
	27 Tetrahydrofuran	0.05809	0.07472	0.010	28.6	50.0	
M	28 1,2-Dichloroethene (total)	0.32913	0.35106	0.010	6.7	50.0	
$	29 Dibromofluoromethane	0.71120	0.67512	0.010	-5.1	50.0	
	30 1,1,1-Trichloroethane	0.76256	0.84703	0.010	11.1	50.0	
	31 Carbon Tetrachloride	0.72937	0.85659	0.010	17.4	50.0	
	32 1,1-Dichloropropene	0.54325	0.59852	0.010	10.2	50.0	
$	33 1,2-Dichloroethane-d4	0.48005	0.51352	0.010	7.0	50.0	
	34 1,2-Dichloroethane-d4 2nd	0.09685	0.10134	0.010	4.6	50.0	
	35 Benzene	0.84852	0.93481	0.010	10.2	50.0	

10-15-00

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i Injection Date: 14-OCT-2000 10:04
Lab File ID: DS2538.D Init. Cal. Date(s): 04-OCT-2000 04-OCT-2000
Analysis Type: SOIL Init. Cal. Times: 11:03 14:02
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	36 1,2-Dichloroethane	0.53432	0.63336	0.010	18.5	50.0	
	37 Tert-amyl methyl ether	0.88326	0.96880	0.010	9.7	20.0	
	39 Trichloroethene	0.46731	0.53288	0.010	14.0	50.0	
	40 1,2-Dichloropropane(*)	0.34594	0.37447	0.010	8.2	20.0	
	41 Dibromomethane	0.32224	0.38462	0.010	19.4	50.0	
	42 Bromodichloromethane	0.71616	0.83841	0.010	17.1	50.0	
	43 1-Bromo-2-chloroethane	0.78851	0.47614	0.010	-39.6	50.0	
	44 2-Chloroethylvinyl ether	0.04393	0.06220	0.010	41.6	20.0	<-
	45 cis-1,3-Dichloropropene	0.54033	0.61619	0.010	14.0	50.0	
	46 4-Methyl-2-pentanone	0.26017	0.31142	0.010	19.7	50.0	
$	47 Toluene-d8	1.15749	1.09857	0.010	-5.1	50.0	
	48 Toluene (*)	1.22215	1.29458	0.010	5.9	20.0	
	49 trans-1,3-Dichloropropene	0.55799	0.64321	0.010	15.3	50.0	
	50 1,1,2-Trichloroethane	0.40315	0.45526	0.010	12.9	50.0	
	51 Tetrachloroethene	0.55481	0.61210	0.010	10.3	50.0	
	52 1,3-Dichloropropane	0.63464	0.70827	0.010	11.6	50.0	
	53 2-Hexanone	0.22062	0.25383	0.010	15.1	50.0	
	54 Dibromochloromethane	0.73783	0.81931	0.010	11.0	50.0	
	55 1,2-Dibromoethane	0.61043	0.70111	0.010	14.9	50.0	
	57 Chlorobenzene (**)	0.98253	1.06574	0.300	8.5	50.0	
	58 1,1,1,2-Tetrachloroethane	0.59402	0.66693	0.010	12.3	50.0	
	59 Ethylbenzene (*)	0.45846	0.49011	0.010	6.9	20.0	
	60 m,p-Xylenes	0.57596	0.61676	0.010	7.1	50.0	
	61 o-Xylene	0.55644	0.61451	0.010	10.4	50.0	
	62 Styrene	0.92422	1.01000	0.010	9.3	50.0	
M	63 Xylenes (total)	0.56945	0.61601	0.010	8.2	50.0	
	64 Bromoform (**)	0.59517	0.68788	0.100	15.6	50.0	
	65 Isopropylbenzene	1.75437	1.94548	0.010	10.9	50.0	
	66 4-Bromofluorobenzene-2nd	0.99560	0.89210	0.010	-10.4	50.0	
$	67 4-Bromofluorobenzene	1.32880	1.22890	0.010	-7.5	50.0	
	68 Bromobenzene	0.83061	0.87943	0.010	5.9	50.0	
	69 1,1,2,2-Tetrachloroethane(*	0.85523	0.93637	0.300	9.5	50.0	
	70 1,2,3-Trichloropropane	0.28010	0.33399	0.010	19.2	50.0	
	71 n-Propylbenzene	2.58803	2.81420	0.010	8.7	50.0	
	72 2-Chlorotoluene	0.62571	0.67050	0.010	7.2	50.0	
	73 4-Chlorotoluene	0.65344	0.69286	0.010	6.0	50.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2538.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m

Injection Date: 14-OCT-2000 10:04
Init. Cal. Date(s): 04-OCT-2000 04-OCT-2000
Init. Cal. Times: 11:03 14:02

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.08187	2.21677	0.010	6.5	50.0
75 tert-Butylbenzene	2.15036	2.30272	0.010	7.1	50.0
76 1,2,4-Trimethylbenzene	2.11961	2.23600	0.010	5.5	50.0
77 sec-Butylbenzene	2.82015	3.03666	0.010	7.7	50.0
78 1,3-Dichlorobenzene	1.39311	1.42372	0.010	2.2	50.0
80 1,4-Dichlorobenzene	1.51990	1.58376	0.010	4.2	50.0
81 p-Isopropyltoluene	2.32696	2.51059	0.010	7.9	50.0
82 1,2-Dichlorobenzene	1.33233	1.38194	0.010	3.7	50.0
83 n-Butylbenzene	2.22197	2.46109	0.010	10.8	50.0
84 1,2-Dibromo-3-chloropropane	0.28987	0.33046	0.010	14.0	50.0
85 1,2,4-Trichlorobenzene	1.23050	1.29754	0.010	5.4	50.0
86 Hexachlorobutadiene	0.92928	1.13415	0.010	22.0	50.0
87 Napthalene	1.86163	1.93511	0.010	3.9	50.0
88 1,2,3-Trichlorobenzene	1.14824	1.21387	0.010	5.7	50.0

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2021\D\CHEM\MD.I\1014AD.B/DS2538.D
Inj. Date : 14-OCT-2000 10:04

ICAL Mid Point : //SANP2021/D/chem/md.i/1004AD.B/DS2515.D
Inj. Date : 04-OCT-2000 11:03

IS NAME	ICAL RT	CCV RT	DIFF.	ICAL AREA	CCV AREA	%DIFF.
Fluorobenzene	7.10	7.10	-0.00	1480718	1412643	95.4%
Chlorobenzene-d5	12.63	12.63	-0.00	1259551	1260017	100.0%
1,4-Dichlorobenzene-d4	17.27	17.28	-0.01	906122	932561	102.9%

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2538.D
Lab Smp Id: 50 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Misc Info: 1251-2;49-2;55-1,,5,,2,all.SUB

Calibration Date: 14-OCT-2000
Calibration Time: 10:04

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1412643	706322	2825286	1412643	0.00
56 Chlorobenzene-d5	1260017	630009	2520034	1260017	0.00
79 1,4-Dichlorobenze	932561	466281	1865122	932561	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.10	6.60	7.60	7.10	0.00
56 Chlorobenzene-d5	12.63	12.13	13.13	12.63	0.00
79 1,4-Dichlorobenze	17.28	16.78	17.78	17.28	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 Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\DS2538.D
Lab Smp Id: 50 PPB 8260B STD
Inj Date : 14-OCT-2000 10:04
Operator : RRT Inst ID: md.i
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1251-2;49-2;55-1,,5,,2,all.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 10:29 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.459	1.459	(0.205)	637078	50.0000	50.51
2 Vinyl chloride (*)	62	1.696	1.696	(0.239)	315539	50.0000	51.69
3 Chloromethane (**)	50	1.646	1.646	(0.232)	280835	50.0000	52.28
4 Bromomethane	94	1.981	1.981	(0.279)	320322	50.0000	51.57
5 Chloroethane	64	2.060	2.060	(0.290)	223929	50.0000	56.76
6 Trichlorofluoromethane	101	2.297	2.297	(0.323)	1172170	50.0000	57.92
7 Acrolein	56	2.711	2.711	(0.382)	135396	500.000	358.0(AQ)
8 1,1-Dichloroethene(*)	96	2.799	2.799	(0.394)	399422	50.0000	50.20
9 1,1,2-Trichlorotrifluoroethan	151	2.809	2.809	(0.395)	665148	50.0000	50.11
10 Acetone	43	2.878	2.878	(0.405)	468850	250.000	299.8(Q)
11 Iodomethane	142	2.947	2.947	(0.415)	1663660	100.000	108.5(A)
12 Carbon disulfide	76	3.006	3.006	(0.423)	839103	50.0000	47.01
13 Methylene chloride	84	3.341	3.341	(0.470)	424828	50.0000	52.56
14 t-Butanol	59	3.607	3.607	(0.508)	234450	1250.00	1561

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	15 trans-1,2-Dichloroethene	96	3.676	3.676	(0.517)	475726	50.0000	51.54
	16 Acrylonitrile	53	3.666	3.666	(0.516)	689578	500.000	573.5(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.715	3.715	(0.523)	1157938	50.0000	54.48
	18 1,1-Dichloroethane (**)	63	4.287	4.287	(0.603)	862671	50.0000	54.24
	19 Vinyl acetate	43	4.405	4.405	(0.620)	2054909	100.000	100.2(A)
	20 Isopropyl ether	45	4.454	4.454	(0.627)	1448884	50.0000	52.68
	21 2,2-Dichloropropane	77	5.164	5.164	(0.727)	948034	50.0000	54.92
	22 Tert-butyl ethyl ether	59	5.016	5.016	(0.706)	1439722	50.0000	54.73
	23 cis-1,2-Dichloroethene	96	5.183	5.183	(0.730)	516110	50.0000	55.09
	24 2-Butanone	43	5.262	5.262	(0.741)	768290	250.000	282.8
	25 Bromochloromethane	128	5.558	5.558	(0.782)	360799	50.0000	58.36
	26 Chloroform (*)	83	5.735	5.735	(0.807)	1115908	50.0000	53.93
	27 Tetrahydrofuran	42	5.696	5.696	(0.802)	105557	50.0000	64.31
M	28 1,2-Dichloroethene (total)	100				991837	100.000	106.6
$	29 Dibromofluoromethane	111	5.991	5.991	(0.843)	953706	50.0000	47.46
	30 1,1,1-Trichloroethane	97	5.981	5.981	(0.842)	1196550	50.0000	55.54
	31 Carbon Tetrachloride	117	6.257	6.257	(0.881)	1210060	50.0000	58.72
	32 1,1-Dichloropropene	75	6.267	6.267	(0.882)	845495	50.0000	55.09
$	33 1,2-Dichloroethane-d4	65	6.543	6.543	(0.921)	725420	50.0000	53.49
	34 1,2-Dichloroethane-d4 2nd	102	6.533	6.533	(0.920)	143157	50.0000	52.32
	35 Benzene	78	6.602	6.602	(0.929)	1320551	50.0000	55.08
	36 1,2-Dichloroethane	62	6.661	6.661	(0.938)	894708	50.0000	59.27
	37 Tert-amyl methyl ether	73	6.888	6.888	(0.969)	1368573	50.0000	54.84
*	38 Fluorobenzene	96	7.104	7.104	(1.000)	1412643	50.0000	
	39 Trichloroethene	130	7.745	7.745	(1.090)	752764	50.0000	57.01
	40 1,2-Dichloropropane(*)	63	8.129	8.129	(1.144)	528996	50.0000	54.12
	41 Dibromomethane	93	8.336	8.336	(1.173)	543327	50.0000	59.68
	42 Bromodichloromethane	83	8.661	8.661	(1.219)	1184379	50.0000	58.54
	43 1-Bromo-2-chloroethane	63	9.174	9.174	(1.291)	672619	50.0000	30.19(Q)
	44 2-Chloroethylvinyl ether	106	9.282	9.282	(1.306)	175744	100.000	141.6(A)
	45 cis-1,3-Dichloropropene	75	9.479	9.479	(1.334)	870459	50.0000	57.02
	46 4-Methyl-2-pentanone	43	9.834	9.834	(1.384)	2199638	250.000	299.2
$	47 Toluene-d8	98	9.942	9.942	(0.787)	1384217	50.0000	47.46
	48 Toluene (*)	91	10.060	10.060	(0.796)	1631194	50.0000	52.96
	49 trans-1,3-Dichloropropene	75	10.533	10.533	(0.834)	810452	50.0000	57.64
	50 1,1,2-Trichloroethane	97	10.848	10.848	(0.859)	573639	50.0000	56.46
	51 Tetrachloroethene	164	11.065	11.065	(0.876)	771253	50.0000	55.16
	52 1,3-Dichloropropane	76	11.134	11.134	(0.881)	892431	50.0000	55.80
	53 2-Hexanone	43	11.400	11.400	(0.903)	1599171	250.000	287.6
	54 Dibromochloromethane	129	11.568	11.568	(0.916)	1032344	50.0000	55.52
	55 1,2-Dibromoethane	107	11.706	11.706	(0.927)	883408	50.0000	57.43
*	56 Chlorobenzene-d5	117	12.632	12.632	(1.000)	1260017	50.0000	
	57 Chlorobenzene (**)	112	12.681	12.681	(1.004)	1342850	50.0000	54.23
	58 1,1,1,2-Tetrachloroethane	131	12.878	12.878	(1.019)	840341	50.0000	56.14
	59 Ethylbenzene (*)	106	12.947	12.947	(1.025)	617548	50.0000	53.45
	60 m,p-Xylenes	106	13.183	13.183	(1.044)	1554246	100.000	107.1
	61 o-Xylene	106	13.932	13.932	(1.103)	774293	50.0000	55.22

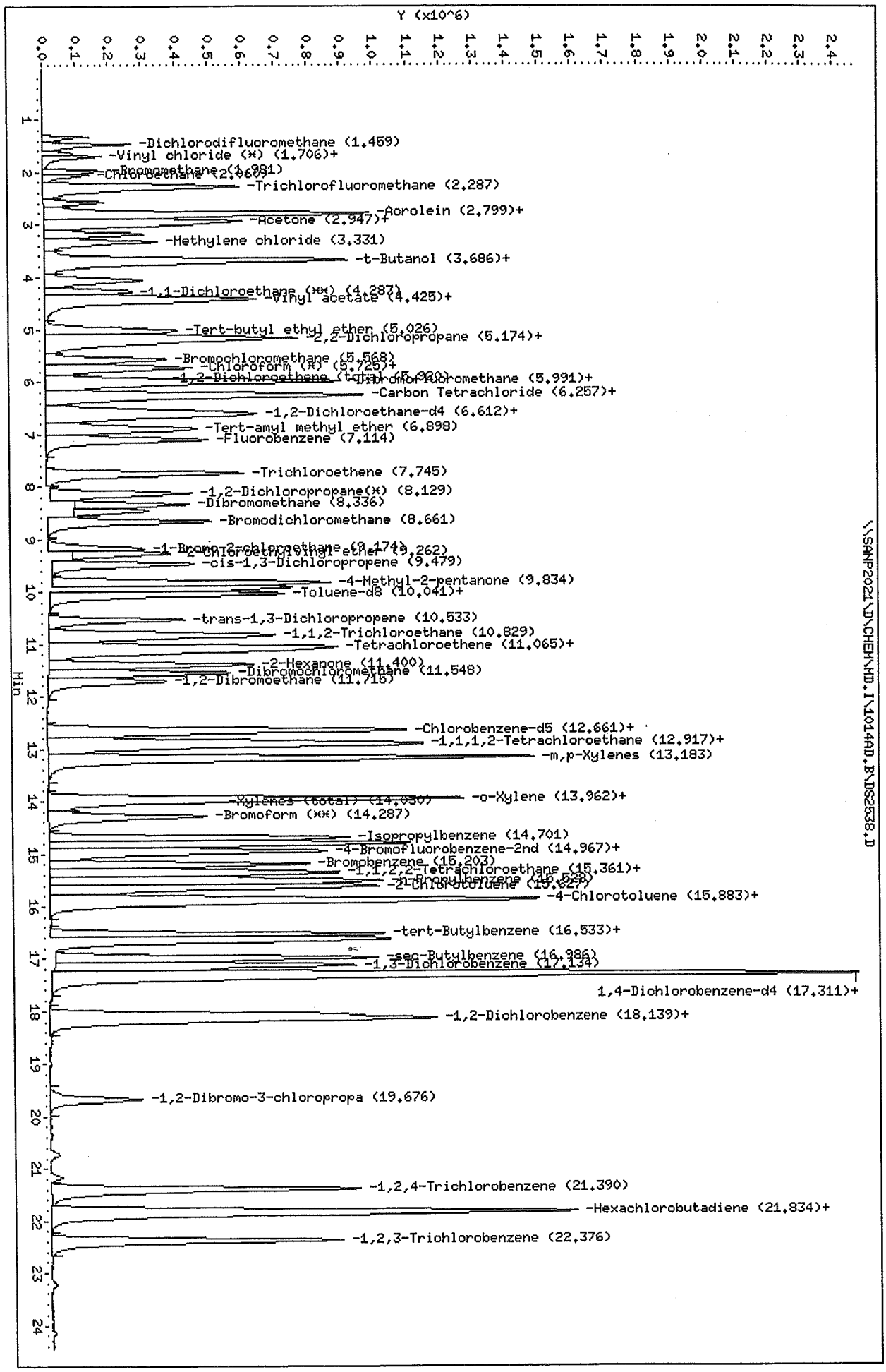
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.981	13.981	(1.107)	1272623	50.0000	54.64
M	63 Xylenes (total)	100				2328539	150.000	162.3
	64 Bromoform (**)	173	14.297	14.297	(1.132)	866738	50.0000	57.79
	65 Isopropylbenzene	105	14.701	14.701	(1.164)	2451332	50.0000	55.45
	66 4-Bromofluorobenzene-2nd	174	14.967	14.967	(0.866)	831939	50.0000	44.80
$	67 4-Bromofluorobenzene	95	14.967	14.967	(0.866)	1146022	50.0000	46.24
	68 Bromobenzene	156	15.203	15.203	(0.880)	820118	50.0000	52.94
	69 1,1,2,2-Tetrachloroethane(**)	83	15.341	15.341	(0.888)	873219	50.0000	54.74
	70 1,2,3-Trichloropropane	110	15.380	15.380	(0.890)	311466	50.0000	59.62
	71 n-Propylbenzene	91	15.538	15.538	(0.899)	2624418	50.0000	54.37
	72 2-Chlorotoluene	126	15.637	15.637	(0.905)	625280	50.0000	53.58
	73 4-Chlorotoluene	126	15.863	15.863	(0.918)	646138	50.0000	53.02
	74 1,3,5-Trimethylbenzene	105	15.912	15.912	(0.921)	2067272	50.0000	53.24
	75 tert-Butylbenzene	119	16.533	16.533	(0.957)	2147422	50.0000	53.54
	76 1,2,4-Trimethylbenzene	105	16.651	16.651	(0.964)	2085202	50.0000	52.74
	77 sec-Butylbenzene	105	16.996	16.996	(0.983)	2831871	50.0000	53.84
	78 1,3-Dichlorobenzene	146	17.144	17.144	(0.992)	1327705	50.0000	51.10
*	79 1,4-Dichlorobenzene-d4	152	17.282	17.282	(1.000)	932561	50.0000	
	80 1,4-Dichlorobenzene	146	17.331	17.331	(1.003)	1476950	50.0000	52.10
	81 p-Isopropyltoluene	119	17.321	17.321	(1.002)	2341282	50.0000	53.94
	82 1,2-Dichlorobenzene	146	18.060	18.060	(1.045)	1288743	50.0000	51.86
	83 n-Butylbenzene	91	18.159	18.159	(1.051)	2295116	50.0000	55.38
	84 1,2-Dibromo-3-chloropropane	157	19.676	19.676	(1.139)	308178	50.0000	57.00
	85 1,2,4-Trichlorobenzene	180	21.400	21.400	(1.238)	1210039	50.0000	52.72
	86 Hexachlorobutadiene	225	21.804	21.804	(1.262)	1057659	50.0000	61.02
	87 Napthalene	128	21.863	21.863	(1.265)	1804609	50.0000	51.97
	88 1,2,3-Trichlorobenzene	180	22.376	22.376	(1.295)	1132009	50.0000	52.86

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\DS2538.D
Date : 14-OCT-2000 10:04
Client ID:
Sample Info: 50 PPB 8260B STD,,3,0,,8260BDA.M
Column phase: J&W DB-624

Instrument: md.i
Operator: RRT
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1014AD.B\D13015.D
Lab Smp Id: ~~MB~~ 1014AD LCS FOK Client Smp ID: D13015
Inj Date : 14-OCT-2000 11:27
Operator : RRT Inst ID: md.i
Smp Info : LCS-1014AD,LCS,2,,0,1,0,8260BDA.M,D13015
Misc Info : ,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\chem\md.i\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 10:29 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.sub
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

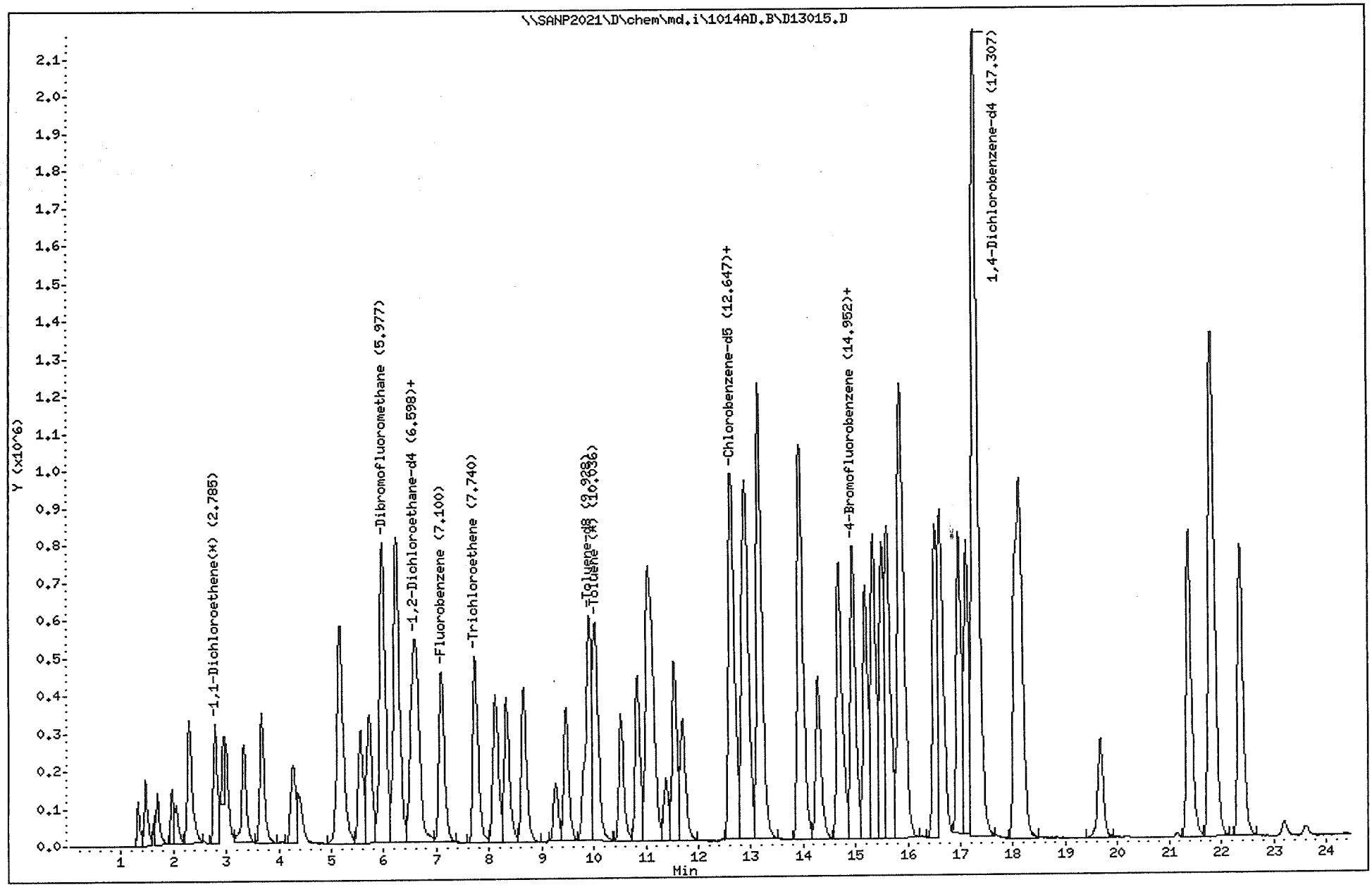
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.785	2.799	(0.392)	335822	44.4190	44.42
$ 29 Dibromofluoromethane	111	5.987	5.991	(0.843)	944315	49.4611	49.46
$ 33 1,2-Dichloroethane-d4	65	6.519	6.543	(0.918)	708212	54.9563	54.96
34 1,2-Dichloroethane-d4 2nd	102	6.538	6.533	(0.921)	131369	50.5286	50.53
35 Benzene	78	6.588	6.602	(0.928)	1080260	47.4243	47.42
* 38 Fluorobenzene	96	7.100	7.104	(1.000)	1342253	50.0000	
39 Trichloroethene	130	7.740	7.745	(1.090)	639010	50.9371	50.94
$ 47 Toluene-d8	98	9.918	9.942	(0.786)	1350987	46.2499	46.25
48 Toluene (*)	91	10.046	10.060	(0.796)	1374925	44.5791	44.58
* 56 Chlorobenzene-d5	117	12.617	12.632	(1.000)	1261813	50.0000	
57 Chlorobenzene (**)	112	12.667	12.681	(1.004)	1108558	44.7083	44.71
$ 67 4-Bromofluorobenzene	95	14.962	14.967	(0.866)	1160236	46.0212	46.02
66 4-Bromofluorobenzene-2nd	174	14.962	14.967	(0.866)	844676	44.7176	44.72
* 79 1,4-Dichlorobenzene-d4	152	17.268	17.282	(1.000)	948632	50.0000	

Data File: \\SANP2021\D\chem\md.i\1014AD.B\D13015.D
Date : 14-OCT-2000 11:27
Client ID: D13015
Sample Info: LCS-1014AD,LCS,2,,0,1,0,8260BDA.M,D13015

Instrument: md.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



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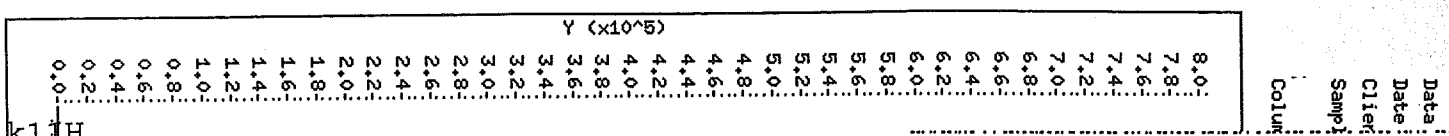


k11H

Data File: \\SANP2021\D\chem\md.i\1014AD.B\D13014.D

Report Date: 14-Oct-2000 11:34

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1014AD.B\D13014.D
Lab Smp Id: RB-1014AD Client Smp ID: D13014
Inj Date : 14-OCT-2000 10:55
Operator : RRT Inst ID: md.i
Smp Info : RB-1014AD,BLANK,2,,0,1,0,8260BDA.M,D13014
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2021\D\chem\md.i\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 10:29 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.986	5.991	(0.842)	946507	47.8894	47.89
$ 33 1,2-Dichloroethane-d4	65	6.528	6.543	(0.918)	669298	50.1698	50.17
34 1,2-Dichloroethane-d4 2nd	102	6.528	6.533	(0.918)	66773	24.8094	24.81(Q)
* 38 Fluorobenzene	96	7.109	7.104	(1.000)	1389523	50.0000	
$ 47 Toluene-d8	98	9.937	9.942	(0.787)	1345640	44.1973	44.20
* 56 Chlorobenzene-d5	117	12.627	12.632	(1.000)	1315187	50.0000	
$ 67 4-Bromofluorobenzene	95	14.972	14.967	(0.867)	1096413	44.7951	44.80
66 4-Bromofluorobenzene-2nd	174	14.972	14.967	(0.867)	797060	43.4635	43.46
* 79 1,4-Dichlorobenzene-d4	152	17.277	17.282	(1.000)	920985	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1014AD.B\D13014.D
Lab Smp Id: RB-1014AD Client Smp ID: D13014
Inj Date : 14-OCT-2000 10:55
Operator : RRT Inst ID: md.i
Smp Info : RB-1014AD,BLANK,2,,0,1,0,8260BDA.M,D13014
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2021\D\chem\md.i\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: RB-1014AD
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13014
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

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

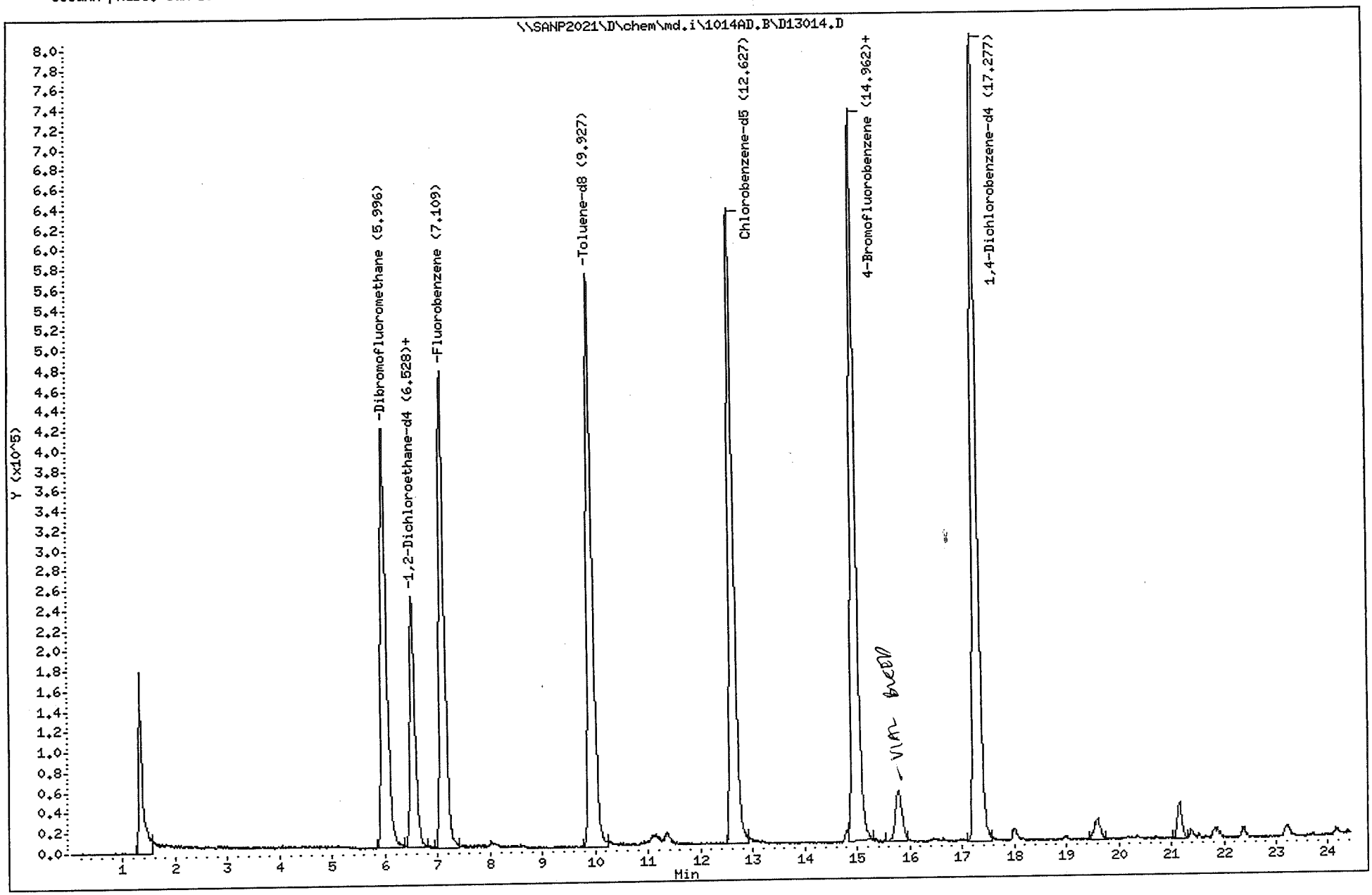
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: \\SANP2021\D\chem\md.i\1014AD.B\D13014.D
Date : 14-OCT-2000 10:55
Client ID: D13014
Sample Info: RB-1014AD,BLANK,2,,0,1,0,8260BDA.M,D13014

Instrument: md.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



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229000

Data File: \\SANP2021\D\chem\md.i\1014AD.B\D13014.D

Date : 14-OCT-2000 10:55

Client ID: D13014

Instrument: md.i

Sample Info: RB-1014AD,BLANK,2,,0,1,0,8260BDA,M,D13014

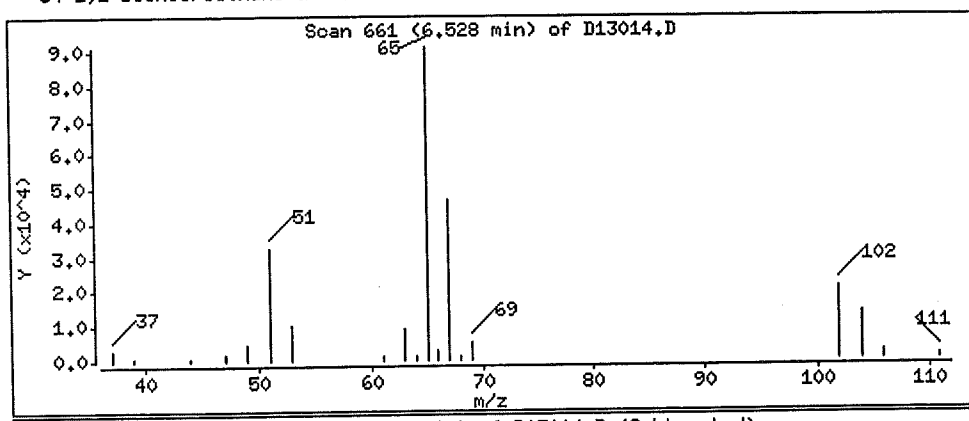
Operator: RRT

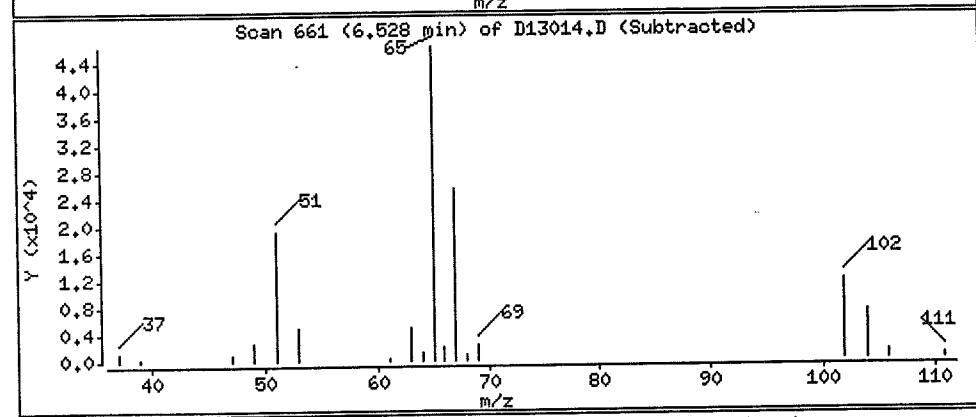
Column phase: J&W DB-624

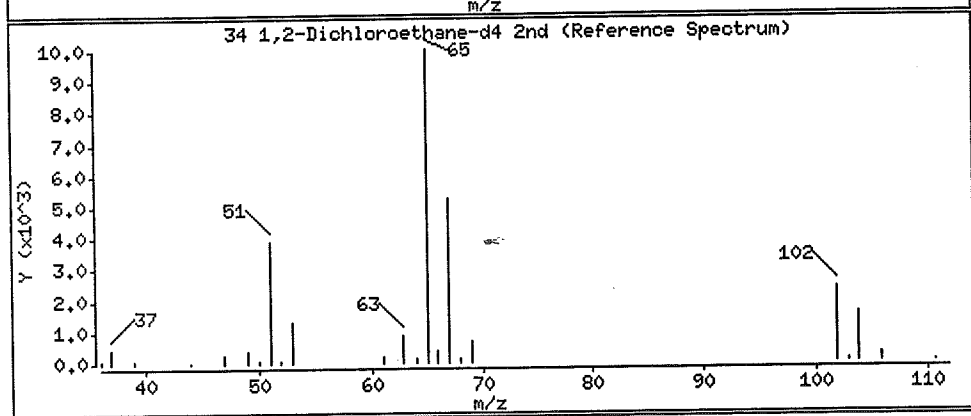
Column diameter: 0.53

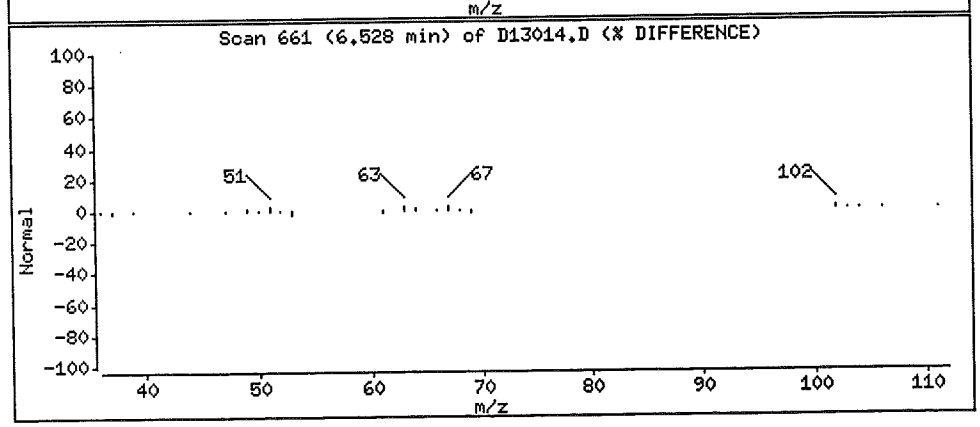
34 1,2-Dichloroethane-d4 2nd

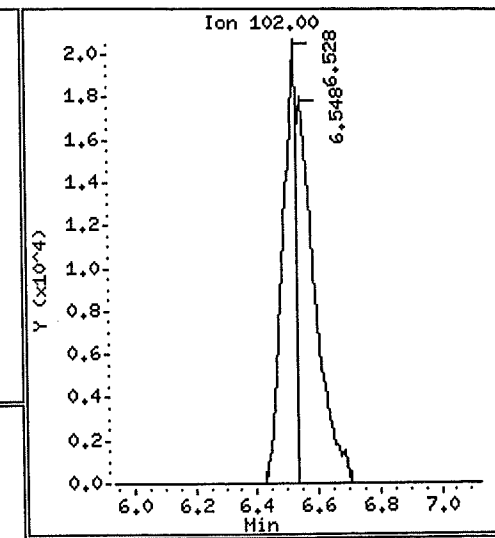
Concentration: 24.81 ug/Kg

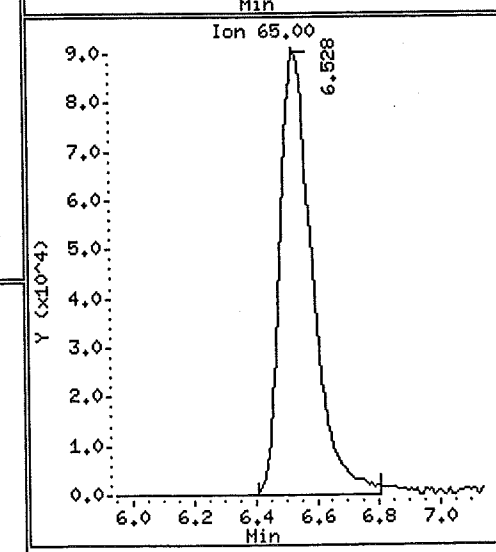












Data File: \\SANP2021\D\chem\md.i\1014AD.B\D13014.D

Date : 14-OCT-2000 10:55

Client ID: D13014

Instrument: md.i

Sample Info: RB-1014AD,BLANK,2,,0,1,0,8260BDA.M,D13014

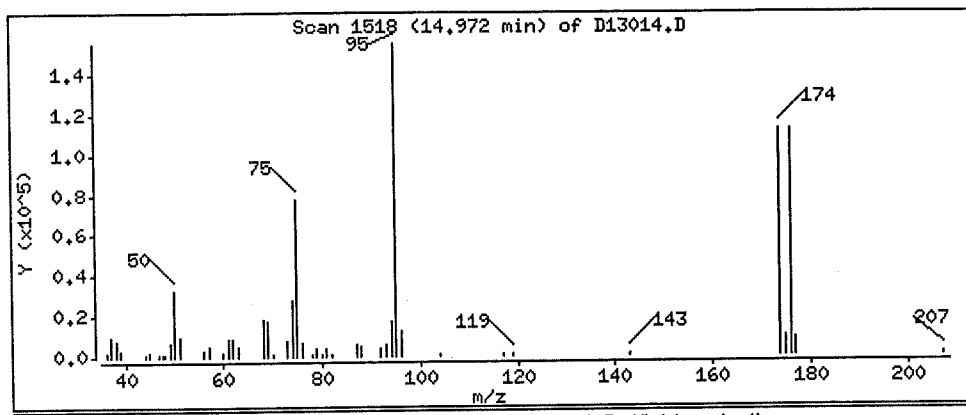
Operator: RRT

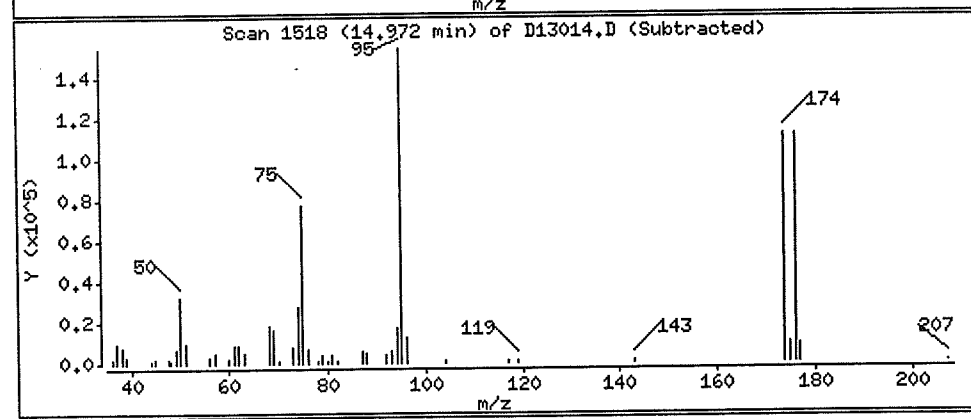
Column phase: J&W DB-624

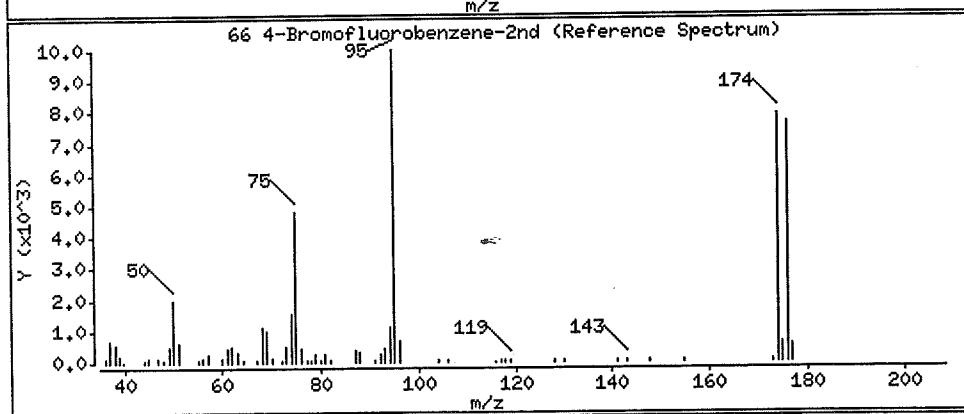
Column diameter: 0.53

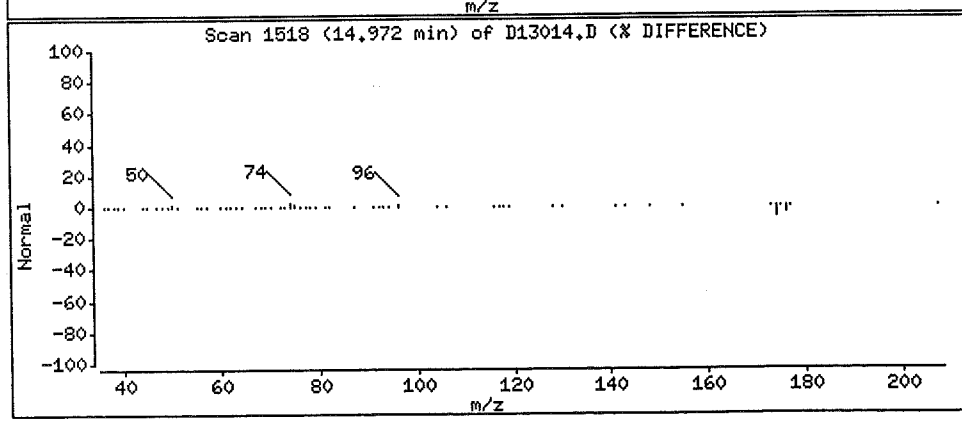
66 4-Bromofluorobenzene-2nd

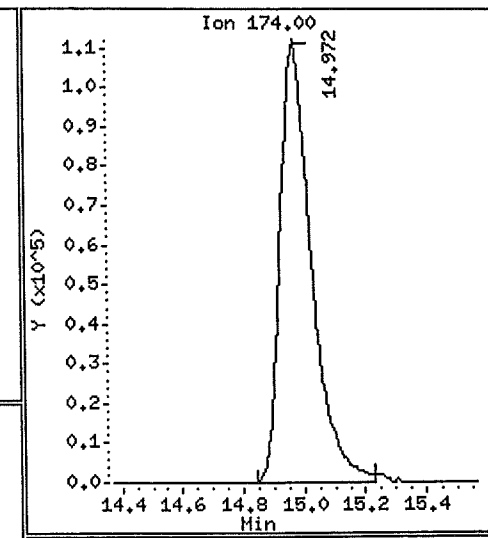
Concentration: 43.46 ug/Kg

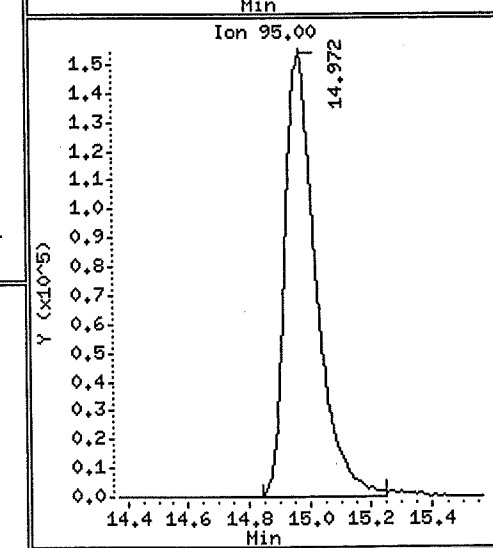


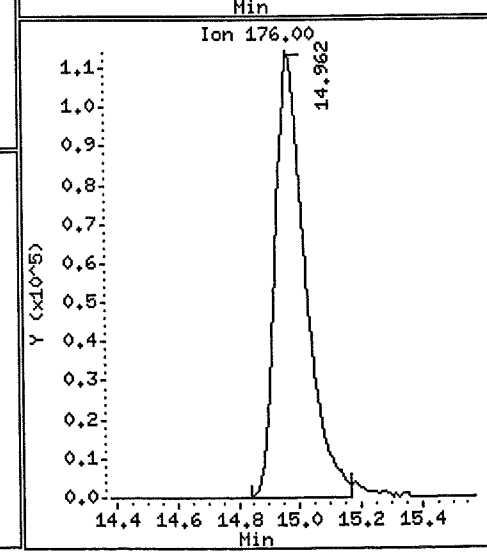












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13022.D
Lab Smp Id: DLH60102 Client Smp ID: D13022
Inj Date : 14-OCT-2000 15:22
Operator : RRT Inst ID: md.i
Smp Info : DLH60102,MS,2,,0,1,0,8260BDA.M,D13022
Misc Info : ,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 11 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.791	2.799	(0.393)	319130	45.8842	45.88
$ 29 Dibromofluoromethane	111	6.002	5.991	(0.845)	835065	47.5447	47.54
$ 33 1,2-Dichloroethane-d4	65	6.524	6.543	(0.918)	613239	51.7272	51.73(Q)
34 1,2-Dichloroethane-d4 2nd	102	6.544	6.533	(0.921)	60999	25.5039	25.50(Q)
35 Benzene	78	6.613	6.602	(0.931)	1018695	48.6130	48.61
* 38 Fluorobenzene	96	7.106	7.104	(1.000)	1234807	50.0000	
39 Trichloroethene	130	7.736	7.745	(1.089)	614491	53.2448	53.24
$ 47 Toluene-d8	98	9.933	9.942	(0.787)	1234955	45.7525	45.75
48 Toluene (*)	91	10.052	10.060	(0.796)	1296734	45.4995	45.50
* 56 Chlorobenzene-d5	117	12.623	12.632	(1.000)	1165980	50.0000	
57 Chlorobenzene (**)	112	12.672	12.681	(1.004)	1078013	47.0498	47.05
$ 67 4-Bromofluorobenzene	95	14.968	14.967	(0.867)	1041875	45.2234	45.22
66 4-Bromofluorobenzene-2nd	174	14.958	14.967	(0.866)	773662	44.8205	44.82
* 79 1,4-Dichlorobenzene-d4	152	17.273	17.282	(1.000)	866884	50.0000	(Q)

QC Flag Legend

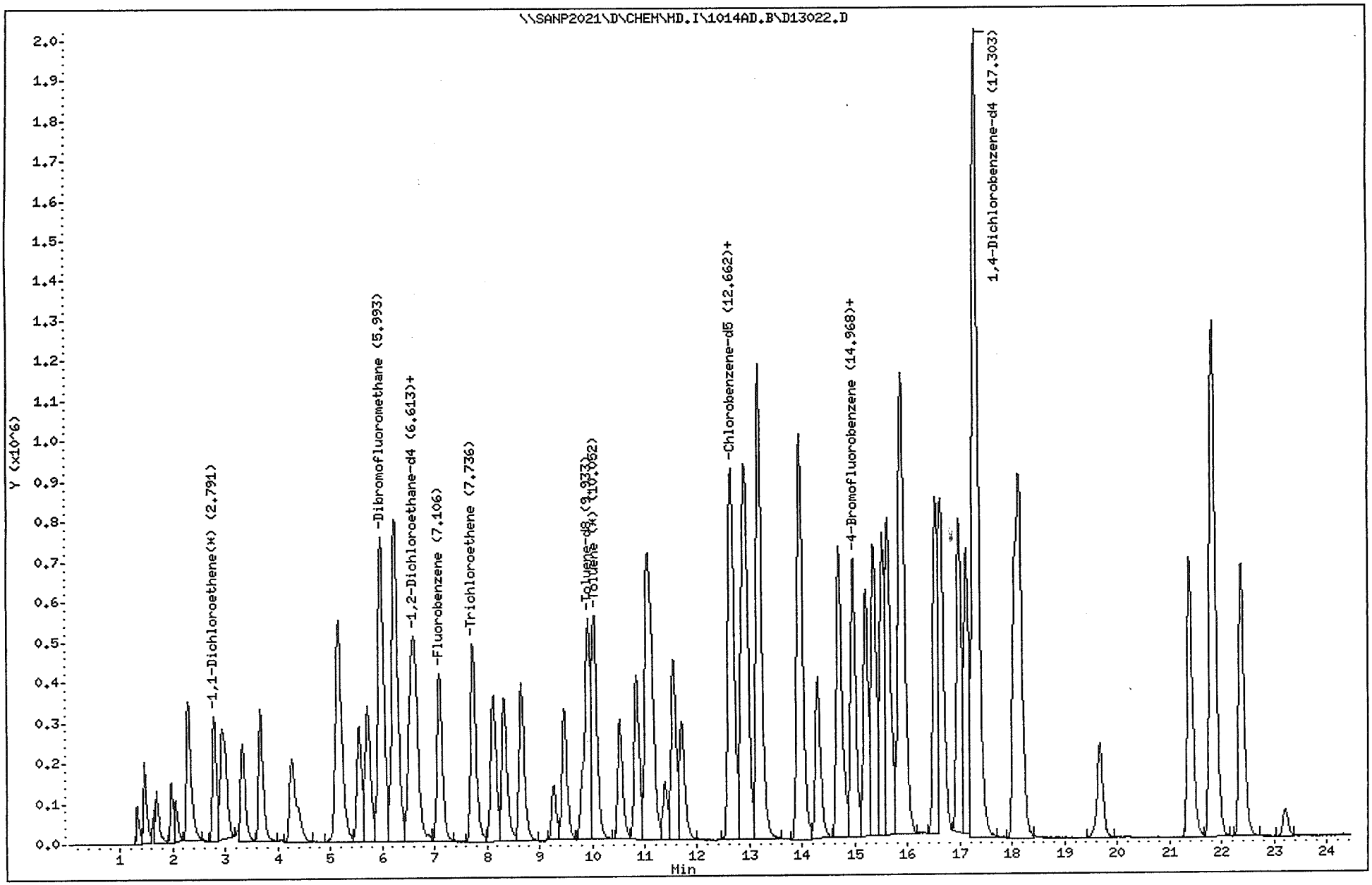
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13022.D
Date : 14-OCT-2000 15:22
Client ID: D13022
Sample Info: DLH60102,MS,2,,0,1,0,8260BDA.M,D13022

Instrument: md.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



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BOE-C6-0155297

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13023.D
Lab Smp Id: DLH60103 Client Smp ID: D13023
Inj Date : 14-OCT-2000 15:53
Operator : RRT Inst ID: md.i
Smp Info : DLH60103,MSD,2,,0,1,0,8260BDA.M,D13023
Misc Info : ,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 12 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
8 1,1-Dichloroethene(*)	96	2.795	2.799	(0.393)	323183	45.5835	45.58	
$ 29 Dibromofluoromethane	111	5.997	5.991	(0.843)	868913	48.5314	48.53	
$ 33 1,2-Dichloroethane-d4	65	6.529	6.543	(0.918)	631062	52.2186	52.22	
34 1,2-Dichloroethane-d4 2nd	102	6.539	6.533	(0.920)	120475	49.4129	49.41	
35 Benzene	78	6.598	6.602	(0.928)	1061963	49.7144	49.71	
* 38 Fluorobenzene	96	7.110	7.104	(1.000)	1258737	50.0000		
39 Trichloroethene	130	7.740	7.745	(1.089)	631033	53.6387	53.64	
$ 47 Toluene-d8	98	9.938	9.942	(0.787)	1262957	46.2225	46.22	
48 Toluene (*)	91	10.056	10.060	(0.796)	1311472	45.4587	45.46	
* 56 Chlorobenzene-d5	117	12.627	12.632	(1.000)	1180292	50.0000		
57 Chlorobenzene (**)	112	12.686	12.681	(1.005)	1071872	46.2145	46.21	
$ 67 4-Bromofluorobenzene	95	14.972	14.967	(0.866)	1024974	44.2495	44.25	
66 4-Bromofluorobenzene-2nd	174	14.982	14.967	(0.867)	768234	44.2657	44.26	
* 79 1,4-Dichlorobenzene-d4	152	17.287	17.282	(1.000)	871591	50.0000		(Q)

QC Flag Legend

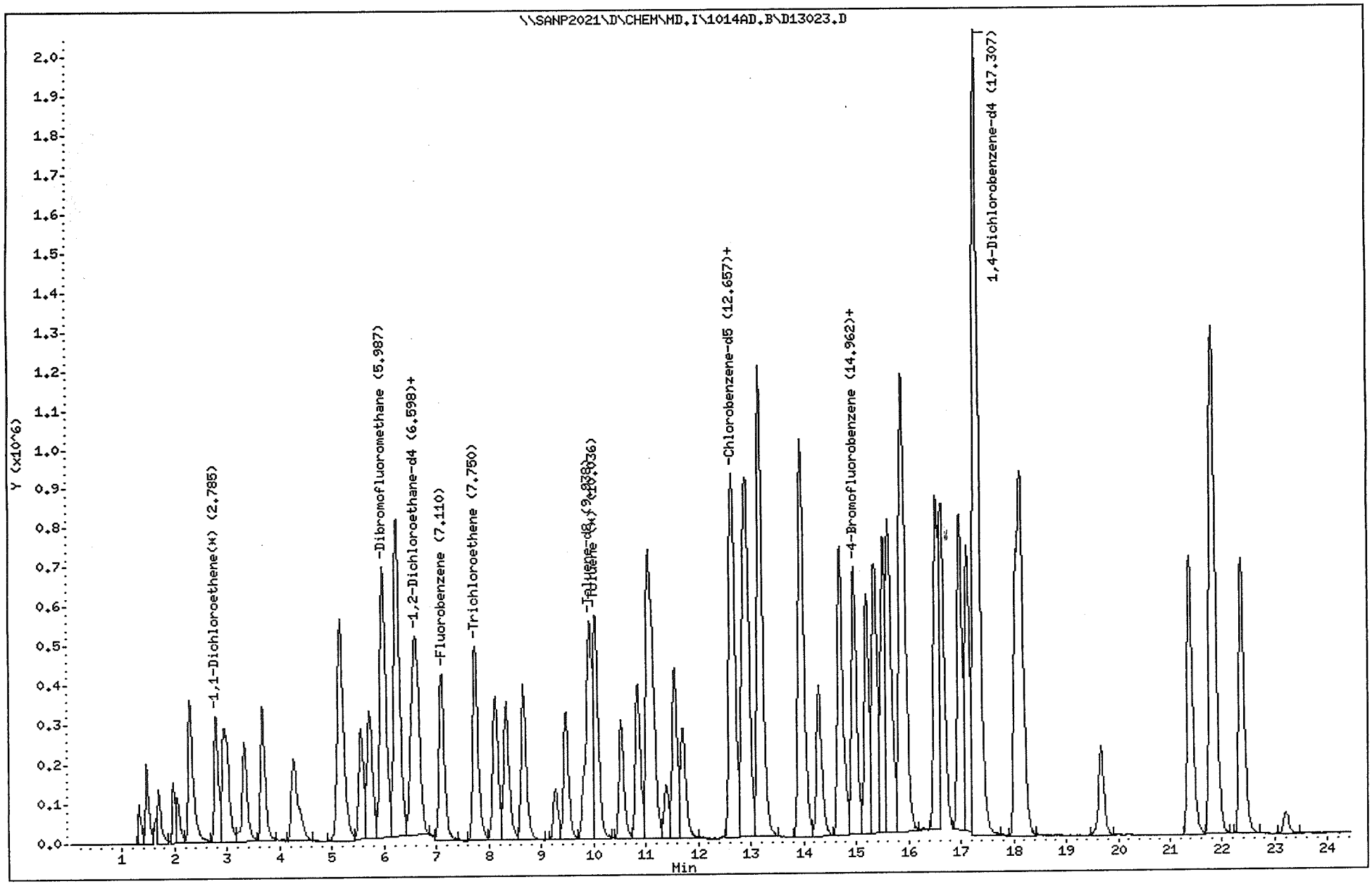
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13023.D
Date : 14-OCT-2000 15:53
Client ID: D13023
Sample Info: DLH60103,MSD,2,,0,1,0,8260BDA.M,D13023

Instrument: md.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



BOE-C6-0155300

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13018.D
Lab Smp Id: DLH5K101 Client Smp ID: D13018
Inj Date : 14-OCT-2000 13:14
Operator : RRT Inst ID: md.i
Smp Info : DLH5K101,,2,,0,1,0,8260BDA.M,D13018
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
10 Acetone	43	2.894	2.878	(0.407)	14092	10.2692	10.27	
$ 29 Dibromofluoromethane	111	6.007	5.991	(0.845)	781588	44.3291	44.33	
$ 33 1,2-Dichloroethane-d4	65	6.539	6.543	(0.920)	598808	50.3160	50.32	
34 1,2-Dichloroethane-d4 2nd	102	6.539	6.533	(0.920)	111382	46.3901	46.39	
* 38 Fluorobenzene	96	7.110	7.104	(1.000)	1239566	50.0000		
$ 47 Toluene-d8	98	9.948	9.942	(0.788)	1215541	44.1294	44.13	
* 56 Chlorobenzene-d5	117	12.628	12.632	(1.000)	1189860	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.972	14.967	(0.866)	737270	44.7458	44.74	
$ 67 4-Bromofluorobenzene	95	14.963	14.967	(0.866)	999862	45.4662	45.47	
* 79 1,4-Dichlorobenzene-d4	152	17.288	17.282	(1.000)	827486	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13018.D
Lab Smp Id: DLH5K101 Client Smp ID: D13018
Inj Date : 14-OCT-2000 13:14
Operator : RRT Inst ID: md.i
Smp Info : DLH5K101,,2,,0,1,0,8260BDA.M,D13018
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.110	2984799	50.000
* 79 1,4-Dichlorobenzene-d4	17.288	5058652	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.327	516553	8.65305893	8.65	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.780	757871	7.49083658	7.49	64	NBS75K.L	41966	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH5K101
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13018
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown WL	1.327	8.65	J
2. 556-67-2	Cyclotetrasiloxane, octamet	15.780	7.49	NJ

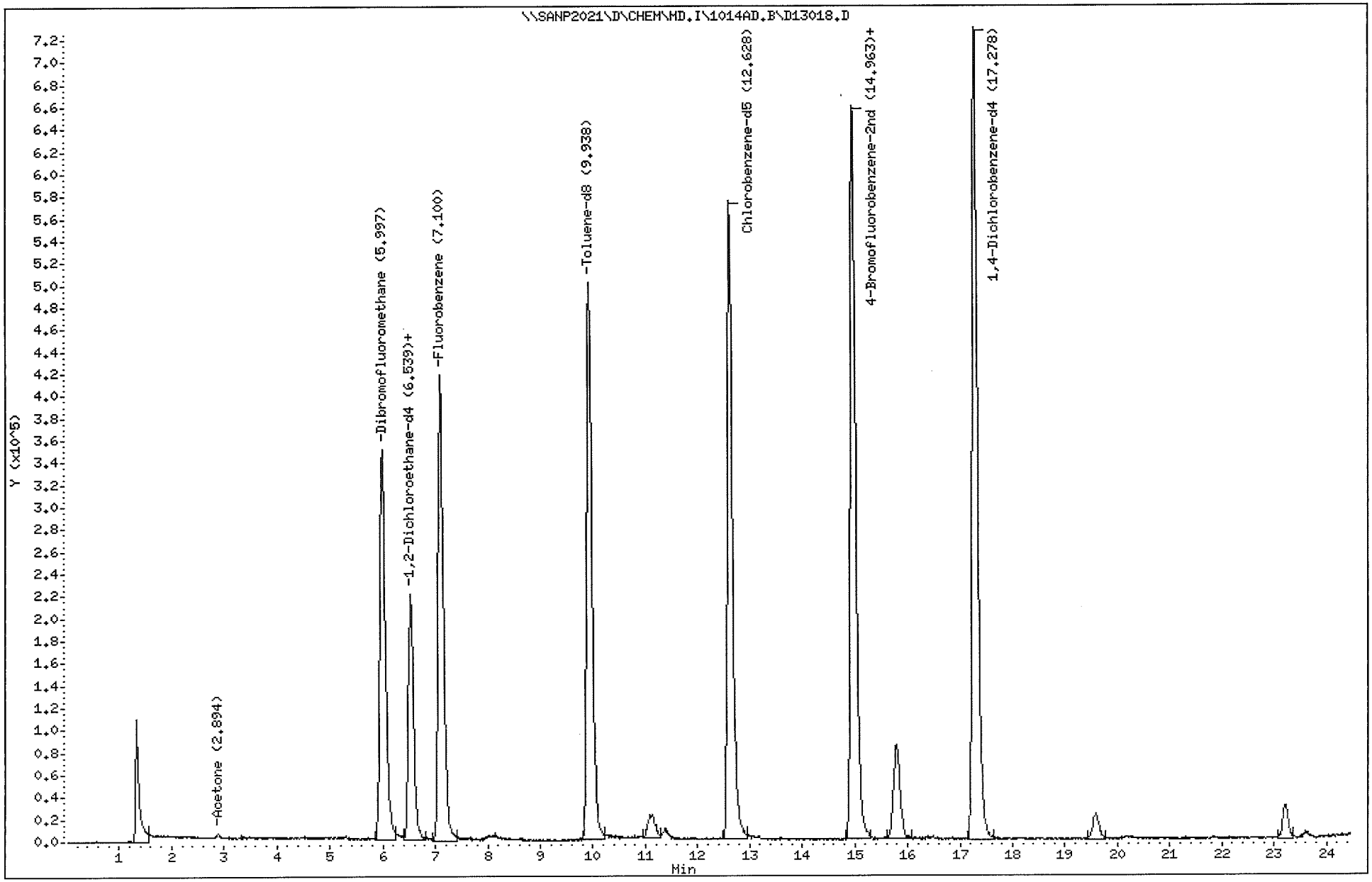
CAT BLEED

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13018.D
Date : 14-OCT-2000 13:14
Client ID: D13018
Sample Info: DLH5K101,,2,,0,1,0,8260BDA.M,D13018

Instrument: md.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



000640

BOE-C6-0155305

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13018.D

Date : 14-OCT-2000 13:14

Client ID: D13018

Instrument: md.i

Sample Info: DLH5K101,,2,,0,1,0,8260BDA.M,D13018

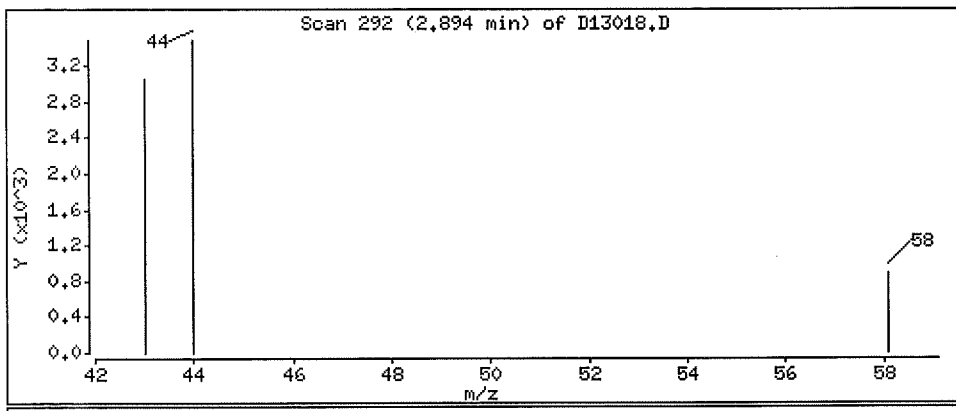
Operator: RRT

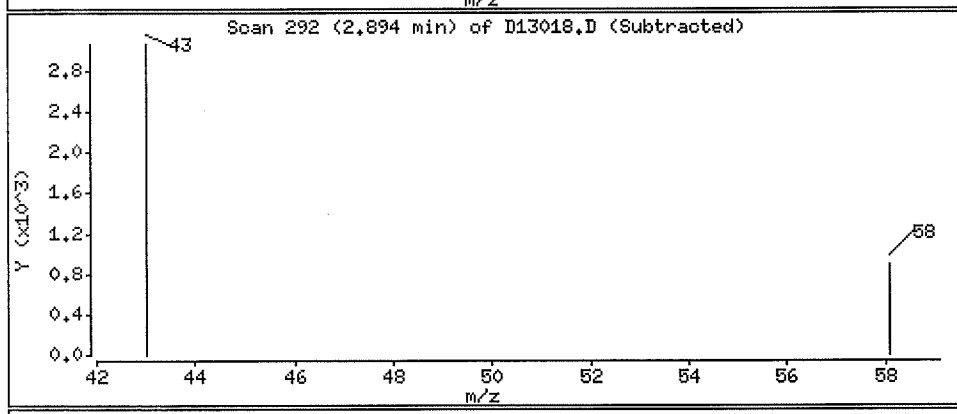
Column phase: J&W DB-624

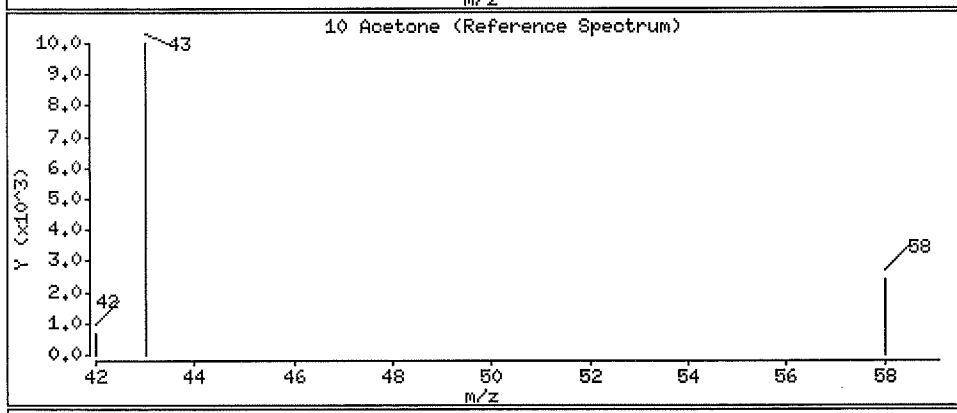
Column diameter: 0.53

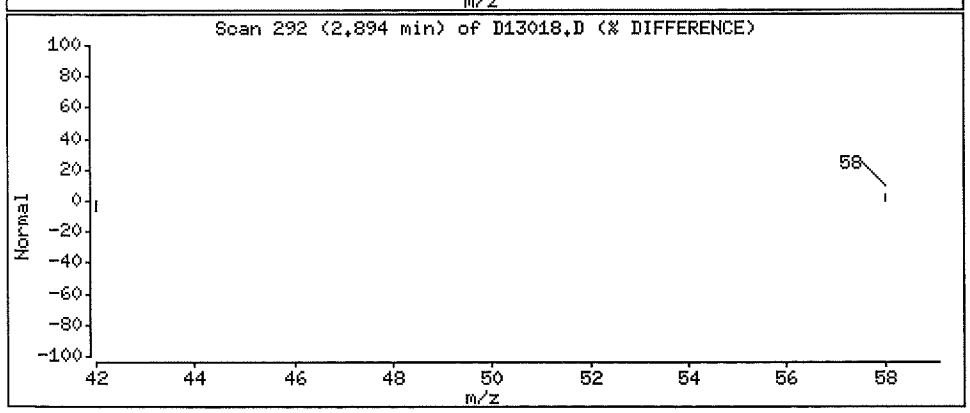
10 Acetone

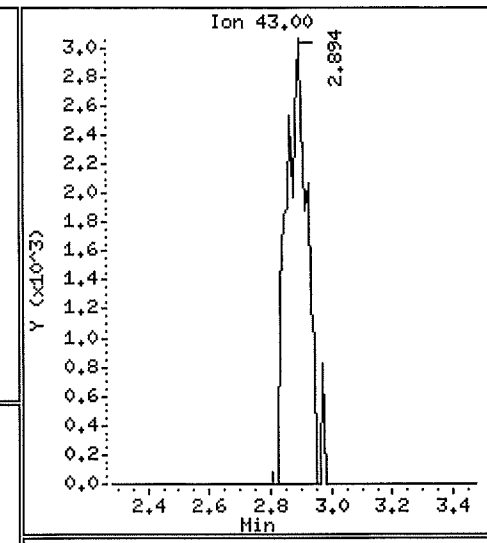
Concentration: 10.27 ug/Kg

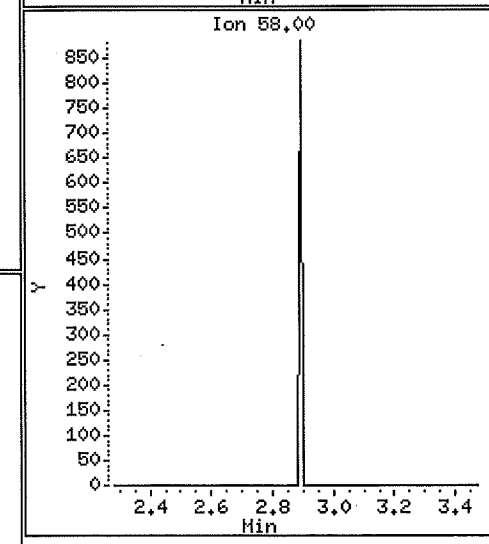












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13018.D

Date : 14-OCT-2000 13:14

Client ID: D13018

Instrument: md.i

Sample Info: DLH5K101,,2,,0,1,0,8260BDA.M,D13018

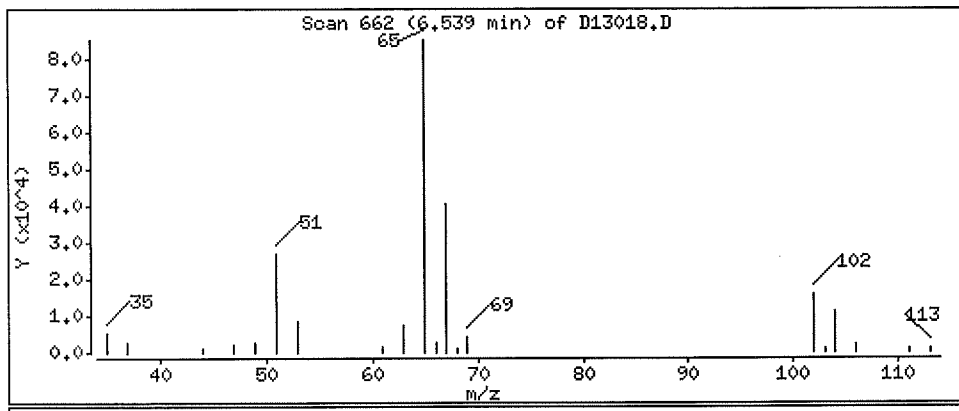
Operator: RRT

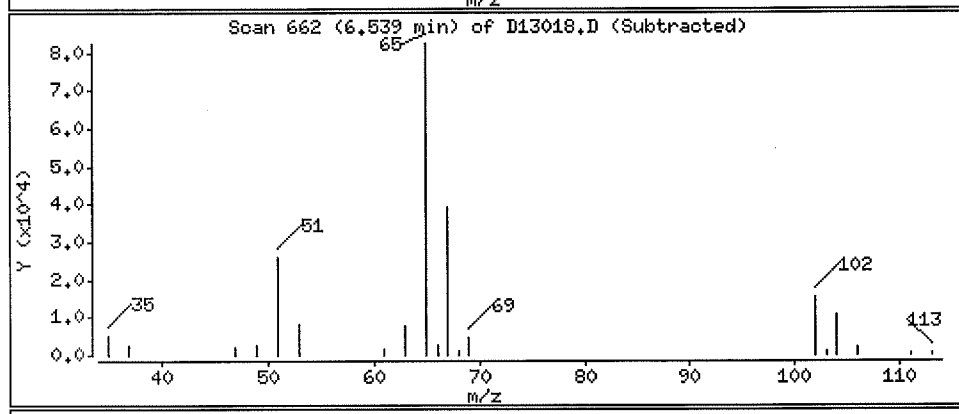
Column phase: J&W DB-624

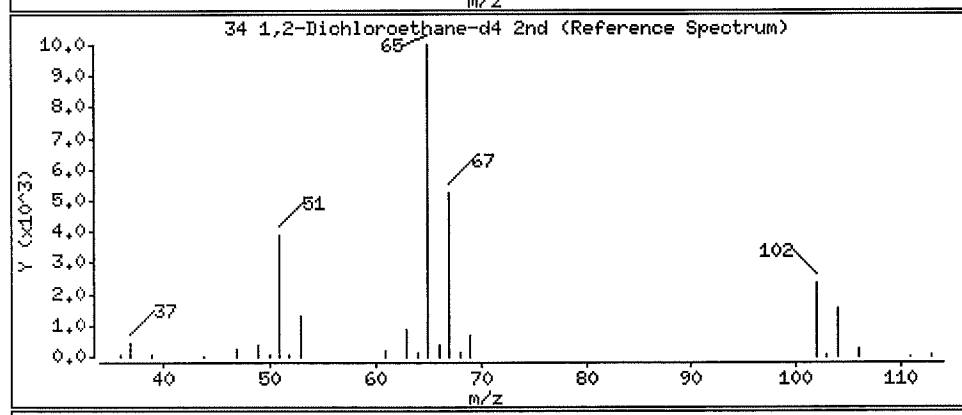
Column diameter: 0.53

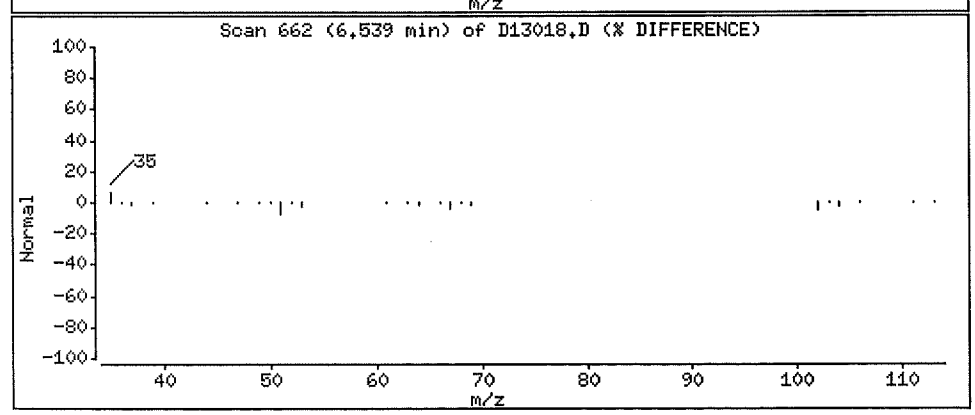
34 1,2-Dichloroethane-d4 2nd

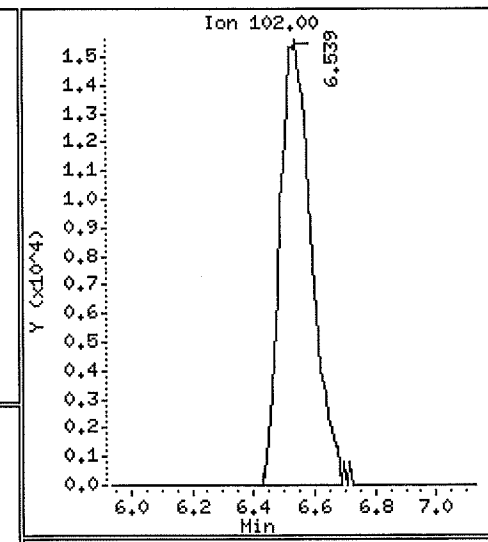
Concentration: 46.39 ug/Kg

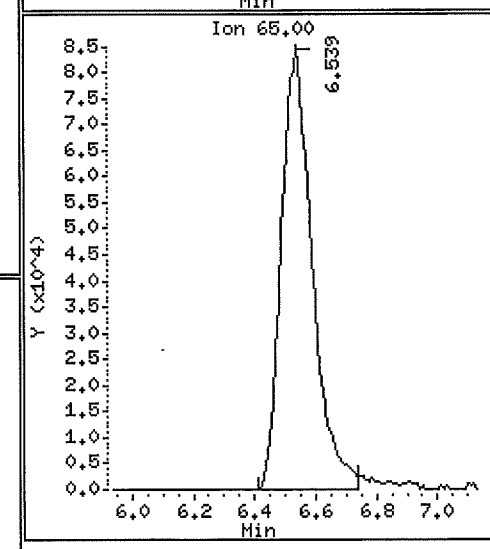












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13018.D

Date : 14-OCT-2000 13:14

Client ID: D13018

Instrument: md.i

Sample Info: DLH5K101,,2,,0,1,0,8260BDA.M,D13018

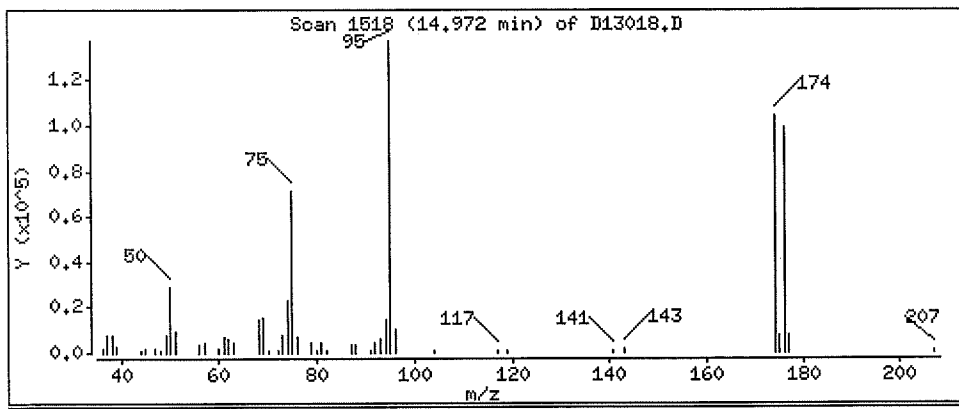
Operator: RRT

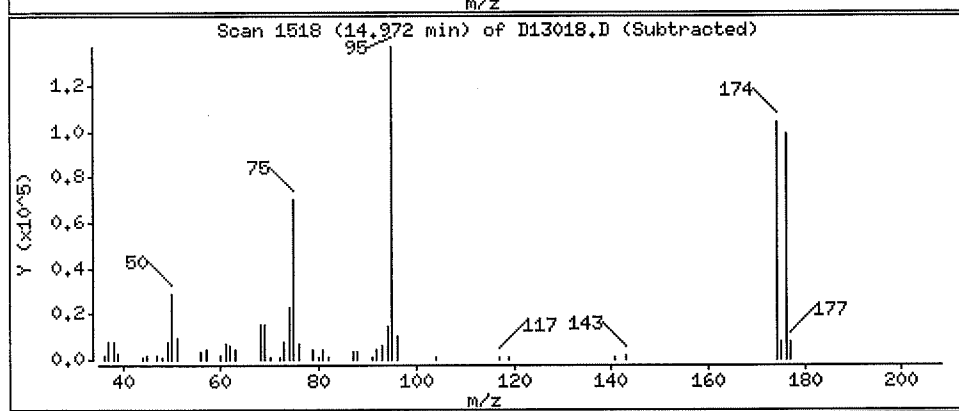
Column phase: J&W DB-624

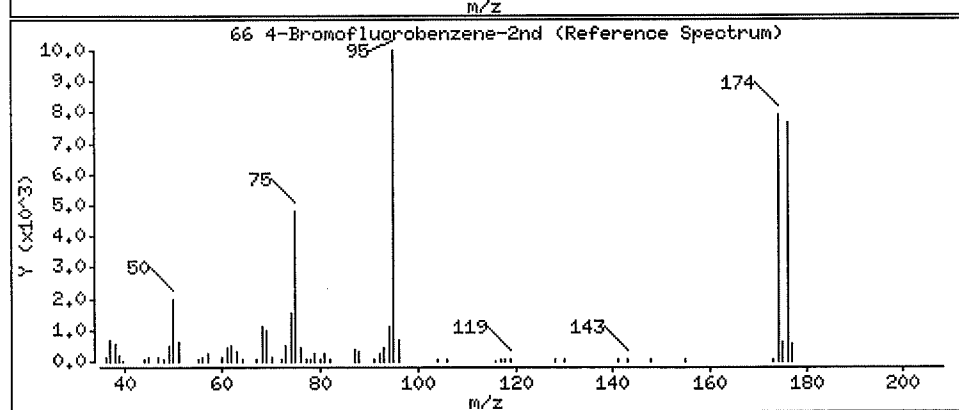
Column diameter: 0.53

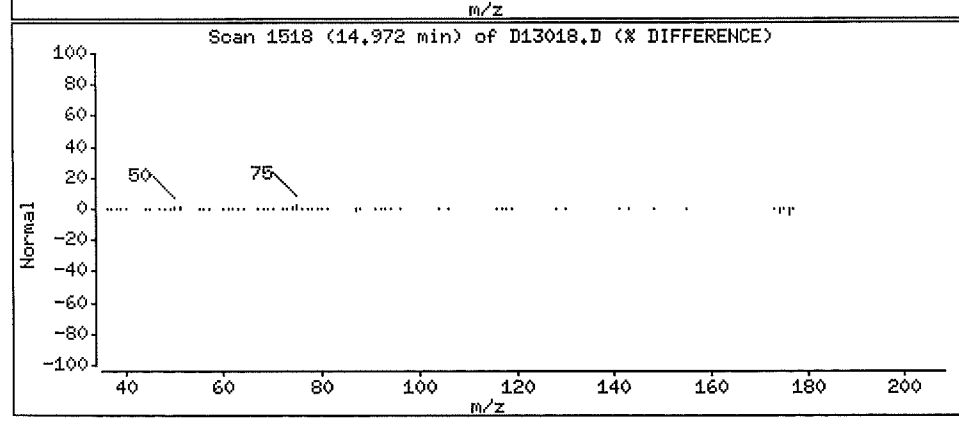
66 4-Bromofluorobenzene-2nd

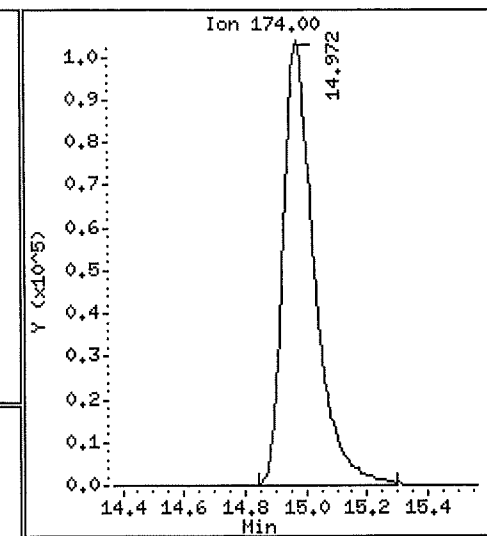
Concentration: 44.74 ug/Kg

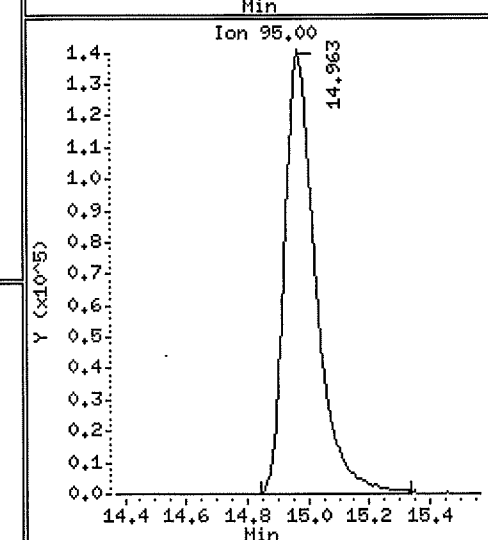


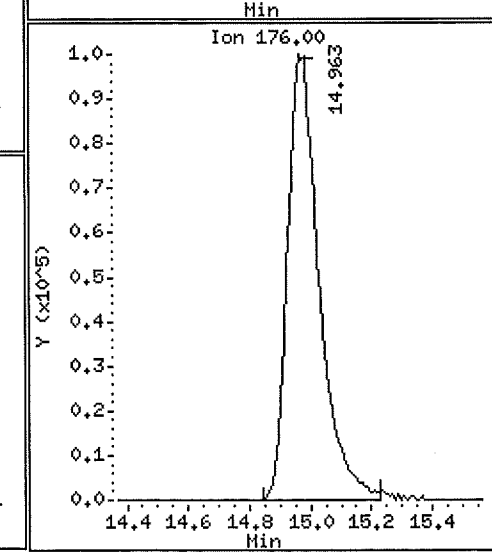












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13018.D

Date : 14-OCT-2000 13:14

Client ID: D13018

Instrument: md.i

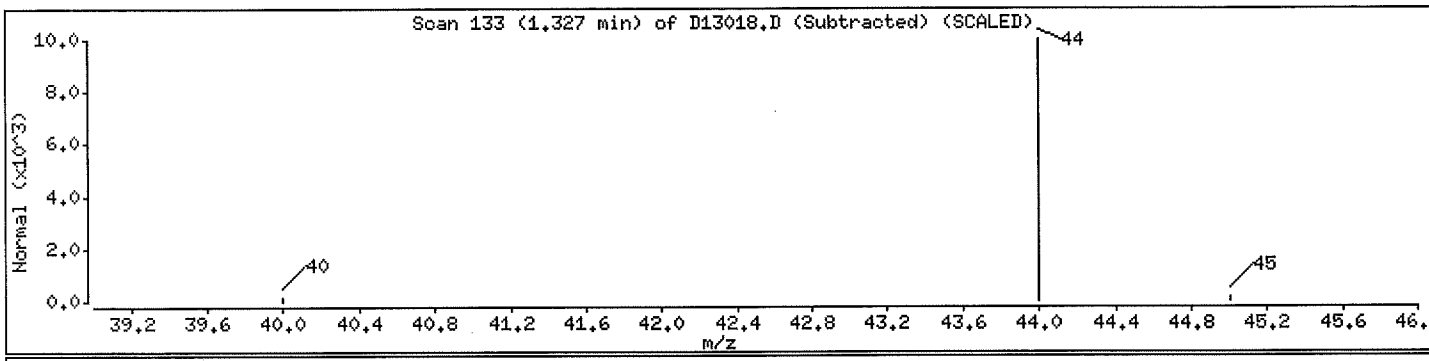
Sample Info: DLH5K101,,2,,0,1,0,8260BDA.M,D13018

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13018.D

Date : 14-OCT-2000 13:14

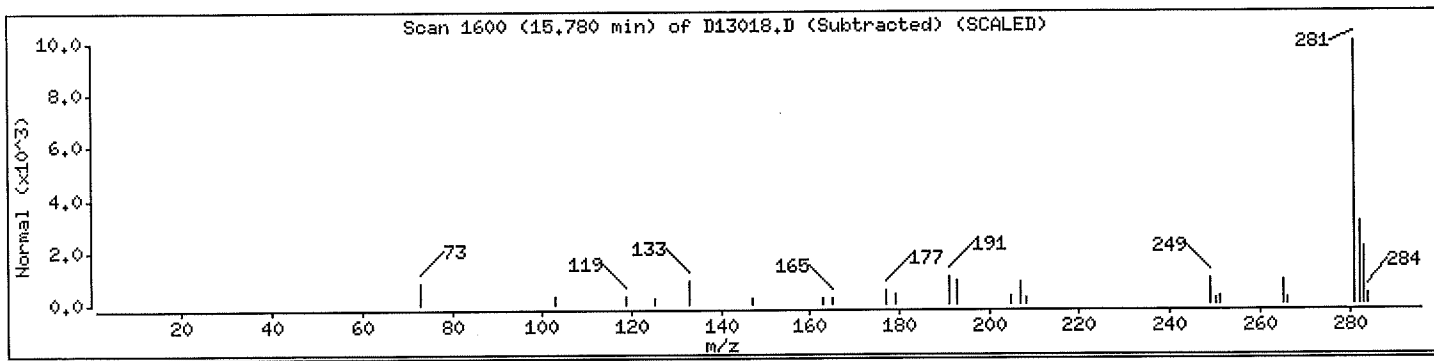
Client ID: D13018 Instrument: md.i

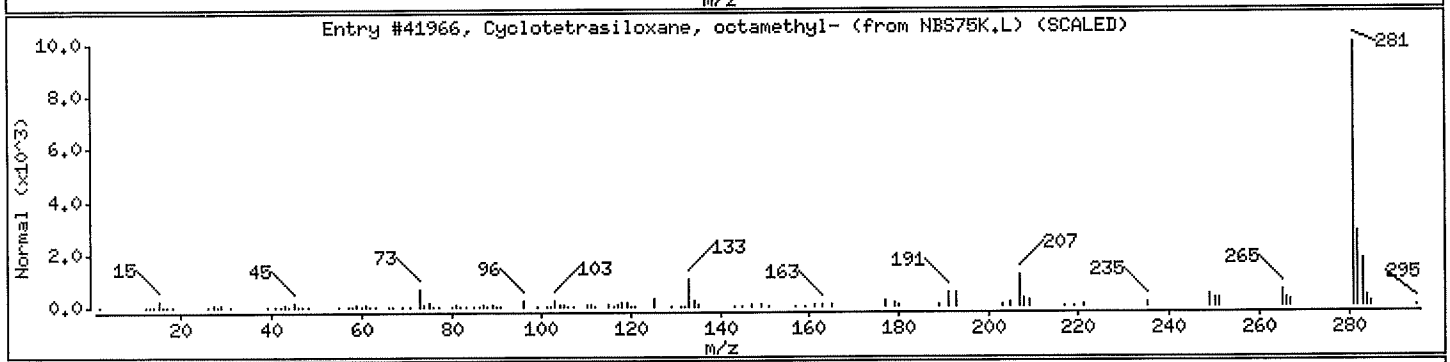
Sample Info: DLH5K101,,2,,0,1,0,8260BDA.M,D13018

Operator: RRT

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	64	C8H24O4Si4	296





CAP BLEED

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13019.D
Lab Smp Id: DLH5M101 Client Smp ID: D13019
Inj Date : 14-OCT-2000 13:46
Operator : RRT Inst ID: md.i
Smp Info : DLH5M101,,2,,0,1,0,8260BDA.M,D13019
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.875	2.878	(0.405)	8954	9.00001	9.00
$ 29 Dibromofluoromethane	111	5.998	5.991	(0.845)	618481	48.3832	48.38
$ 33 1,2-Dichloroethane-d4	65	6.530	6.543	(0.920)	437892	50.7507	50.75
34 1,2-Dichloroethane-d4 2nd	102	6.530	6.533	(0.920)	84362	48.4632	48.46
* 38 Fluorobenzene	96	7.102	7.104	(1.000)	898696	50.0000	
$ 47 Toluene-d8	98	9.939	9.942	(0.788)	882802	43.9025	43.90
* 56 Chlorobenzene-d5	117	12.619	12.632	(1.000)	868617	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.974	14.967	(0.867)	543754	43.9486	43.95
$ 67 4-Bromofluorobenzene	95	14.964	14.967	(0.866)	726811	44.0135	44.01
* 79 1,4-Dichlorobenzene-d4	152	17.279	17.282	(1.000)	621361	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13019.D
Lab Smp Id: DLH5M101 Client Smp ID: D13019
Inj Date : 14-OCT-2000 13:46
Operator : RRT Inst ID: md.i
Smp Info : DLH5M101,,2,,0,1,0,8260BDA.M,D13019
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.102	2082374	50.000
* 79 1,4-Dichlorobenzene-d4	17.279	3789568	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.318	505738	12.1433023	12.14	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.782	464997	6.13521808	6.14	78	NBS75K.L	41966	79

RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Benzenepropanoic acid, .alpha.-[(trimeth				CAS #: 27750-45-4			
23.220	818223	10.7957302	10.80	38	NBS75K.L	72974	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH5M101
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13019
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown LOW	1.318	12.14	J
2. 556-67-2	Cyclotetrasiloxane, octamet	15.782	6.14	NJ
3. 27750-45-4	Benzenepropanoic acid, .alp	23.220	10.80	NJ

CAP BLEED

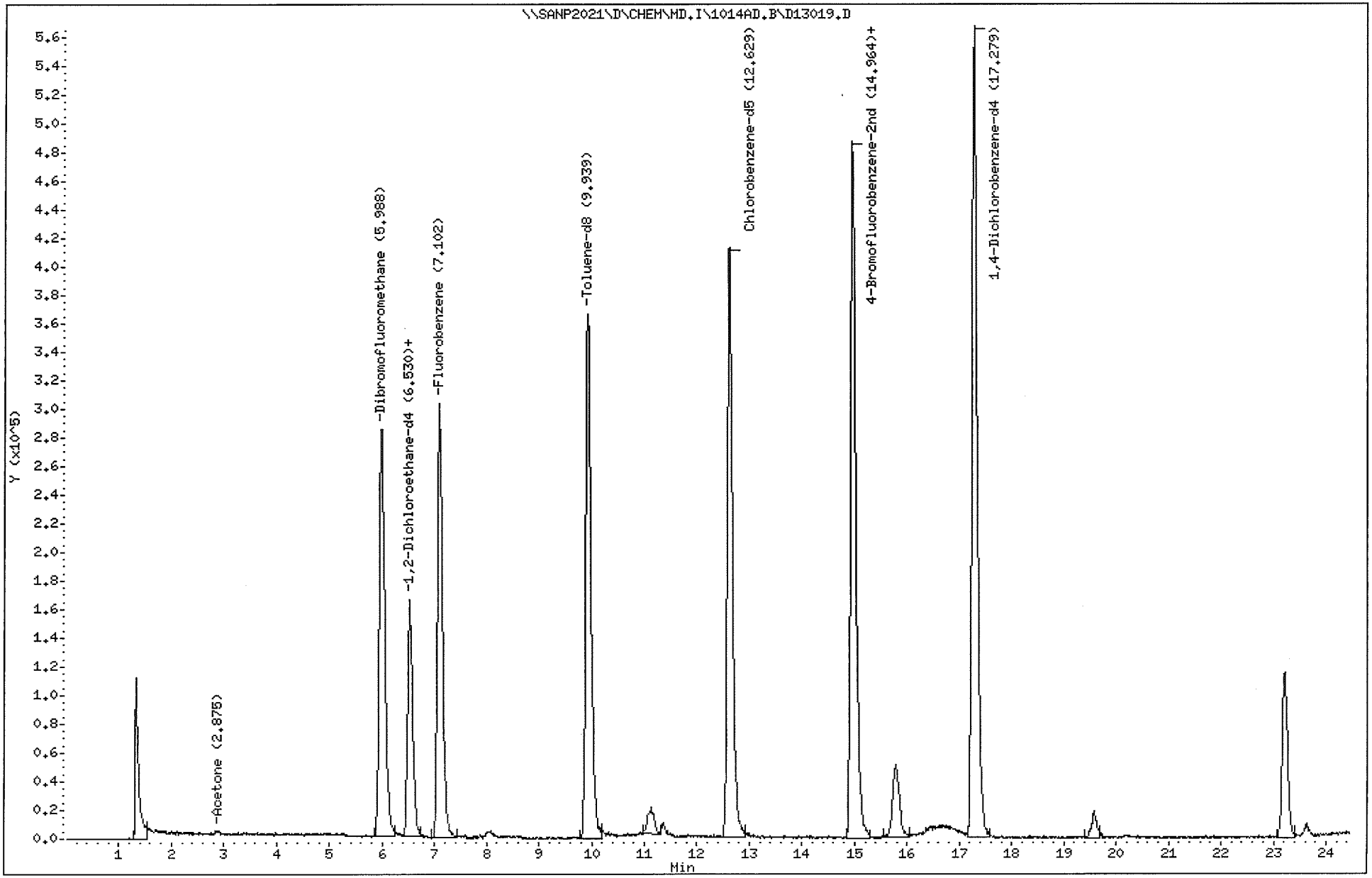
Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13019.D
Date : 14-OCT-2000 13:46
Client ID: D13019
Sample Info: DLH5M101,,2,,0,1,0,8260BDA.M,D13019

Instrument: md.i

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



000651

BOE-C6-0155316

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13019.D

Date : 14-OCT-2000 13:46

Client ID: D13019

Instrument: md.i

Sample Info: DLH5M101,,2,,0,1,0,8260BDA.M,D13019

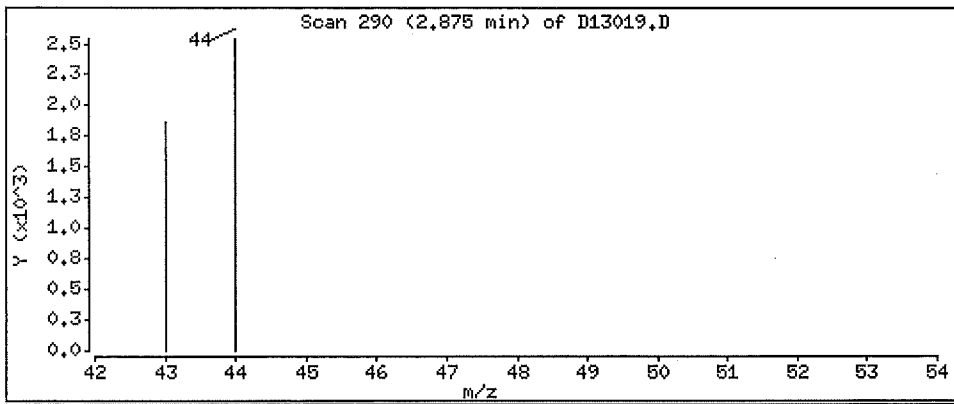
Operator: RRT

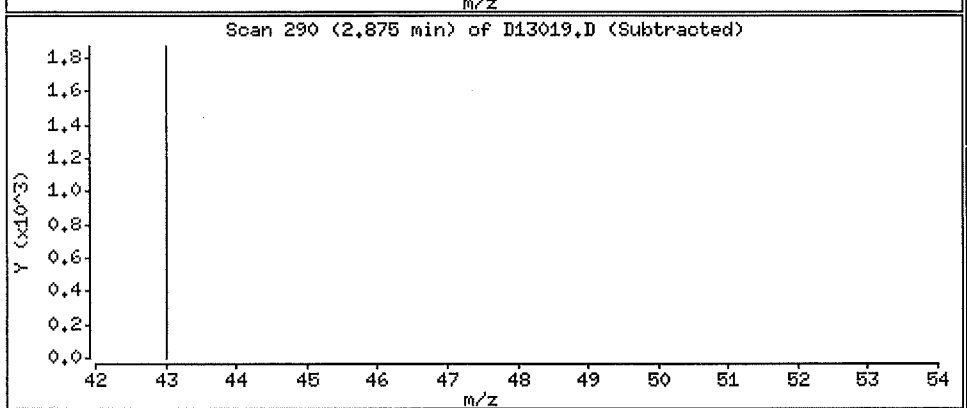
Column phase: J&W DB-624

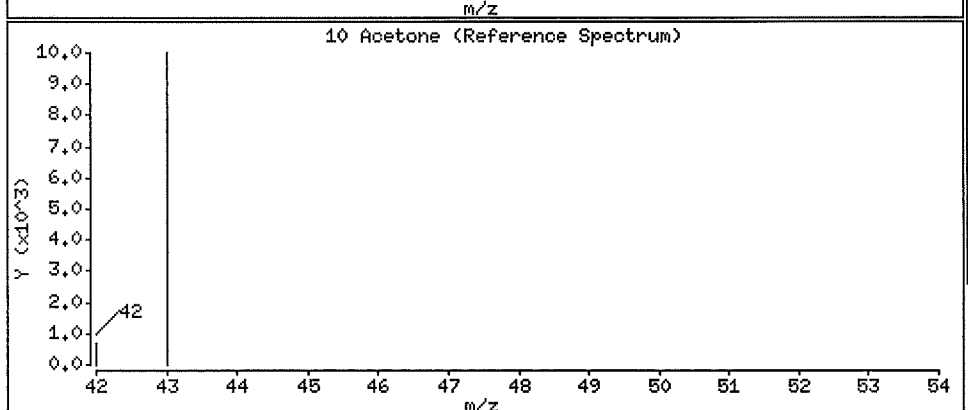
Column diameter: 0.53

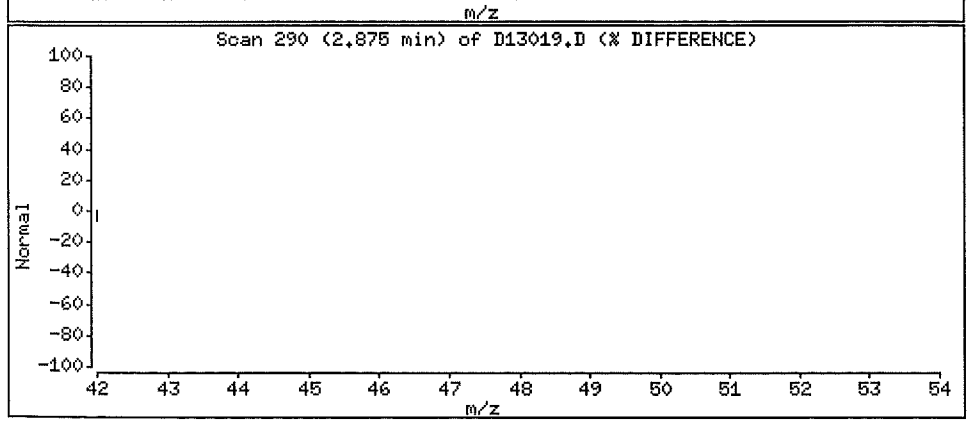
10 Acetone

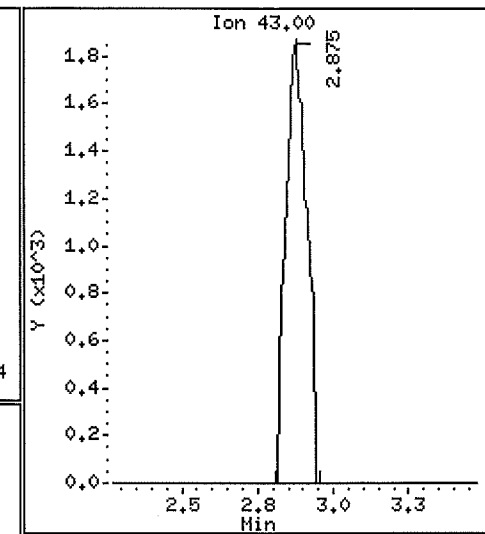
Concentration: 9.00 ug/Kg

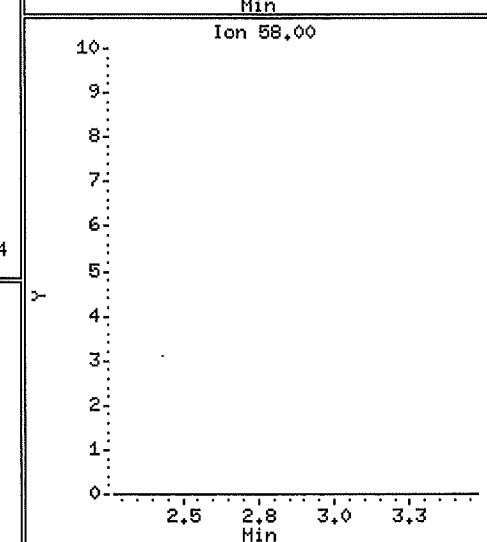












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13019.D

Date : 14-OCT-2000 13:46

Client ID: D13019

Instrument: md.i

Sample Info: DLH5M101,,2,,0,1,0,8260BDA.M,D13019

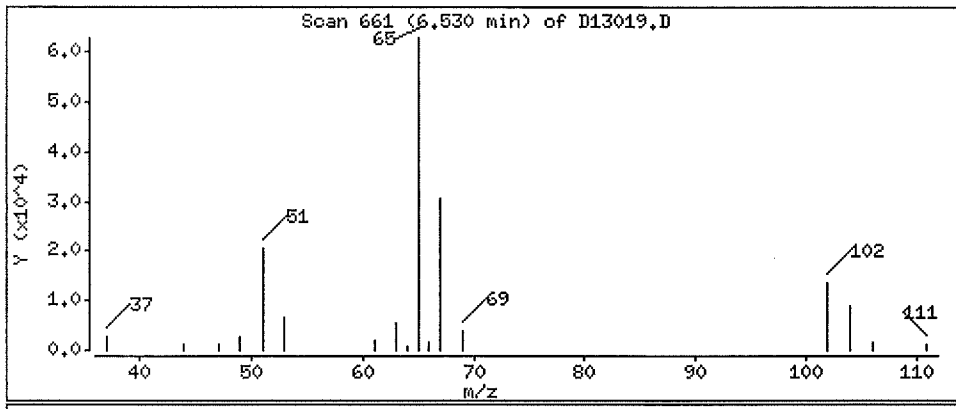
Operator: RRT

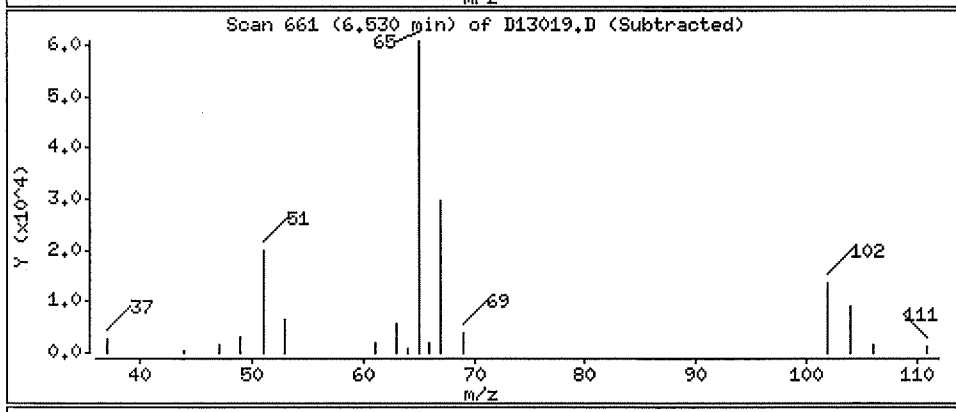
Column phase: J&W DB-624

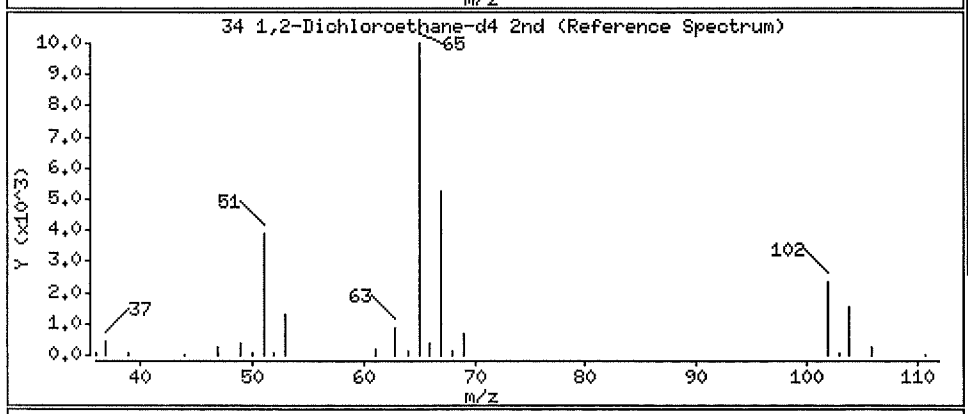
Column diameter: 0.53

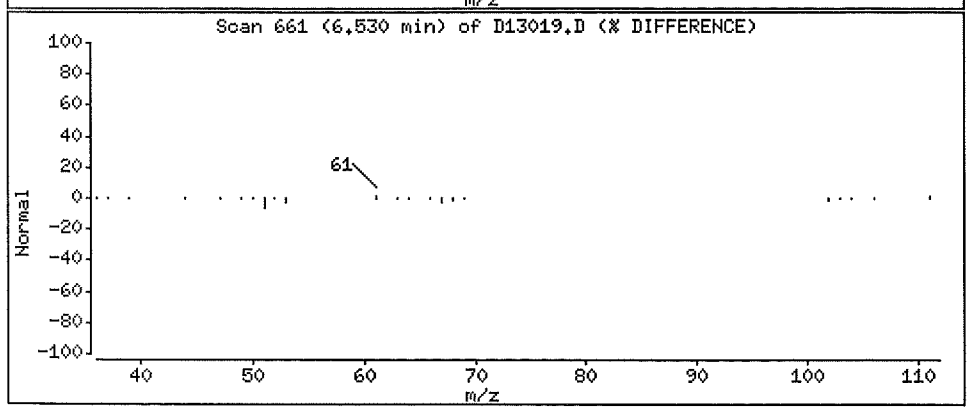
34 1,2-Dichloroethane-d4 2nd

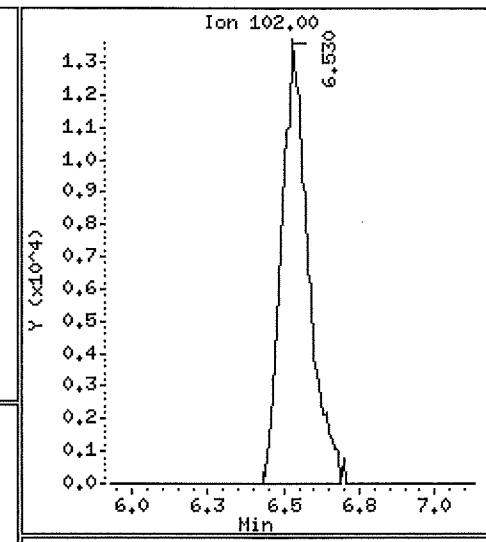
Concentration: 48.46 ug/Kg

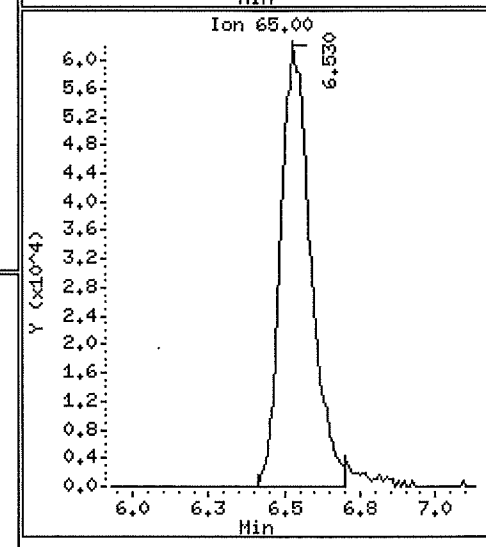












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13019.D

Date : 14-OCT-2000 13:46

Client ID: D13019

Instrument: md.i

Sample Info: DLH5M101,,2,,0,1,0,8260BDA.M,D13019

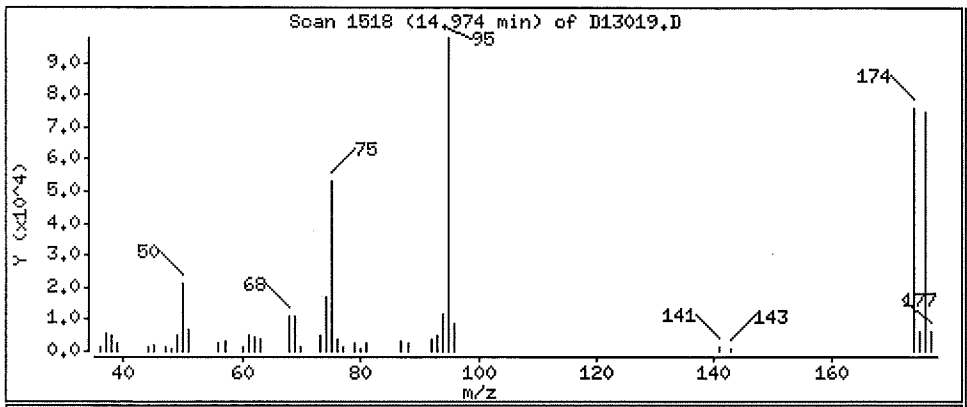
Operator: RRT

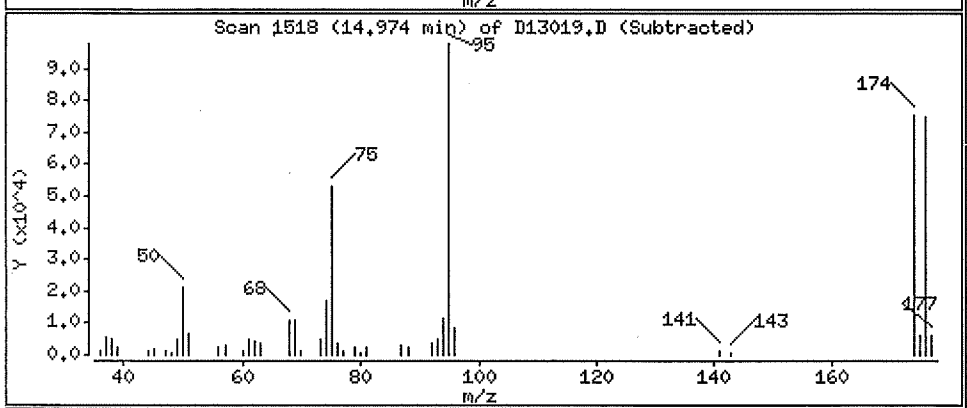
Column phase: J&W DB-624

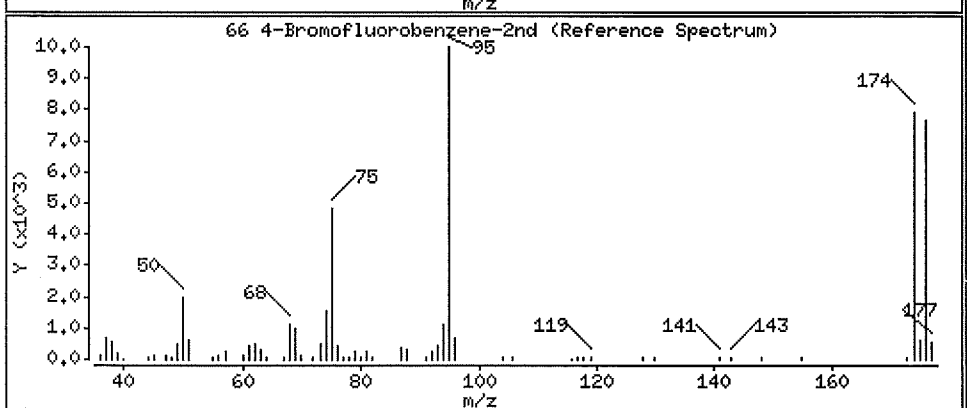
Column diameter: 0.53

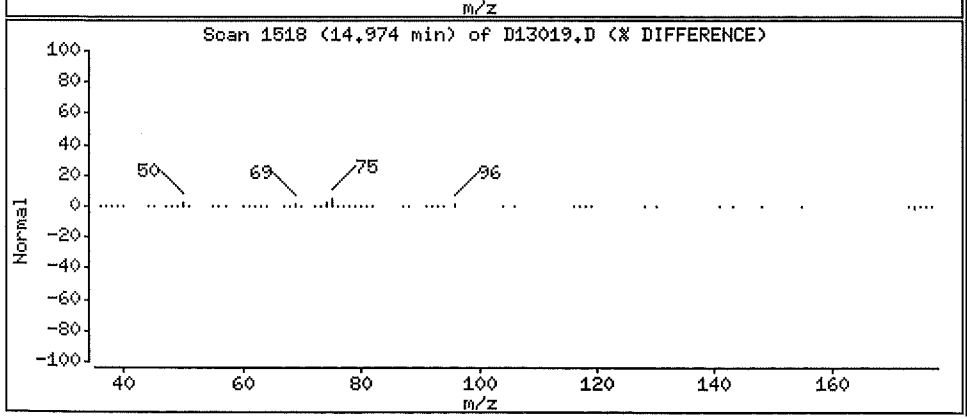
66 4-Bromofluorobenzene-2nd

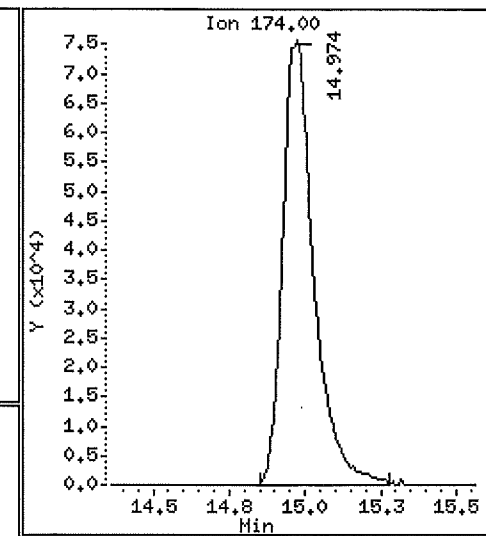
Concentration: 43.95 ug/Kg

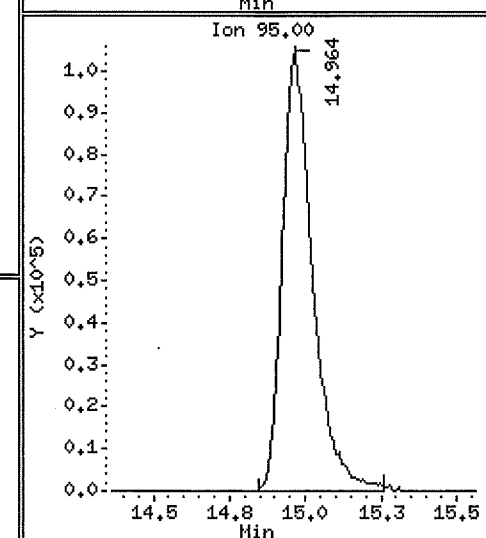


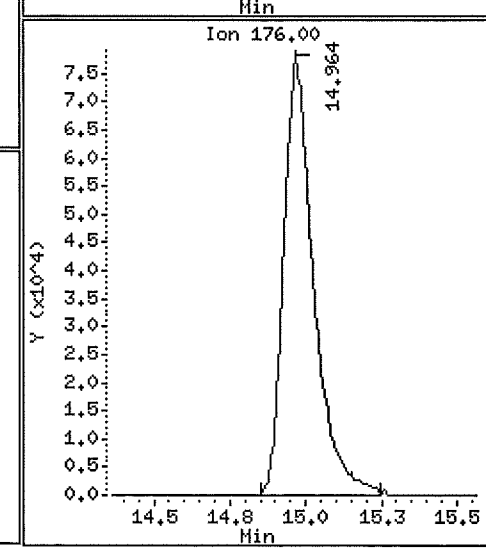












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13019.D

Date : 14-OCT-2000 13:46

Client ID: D13019

Instrument: md.i

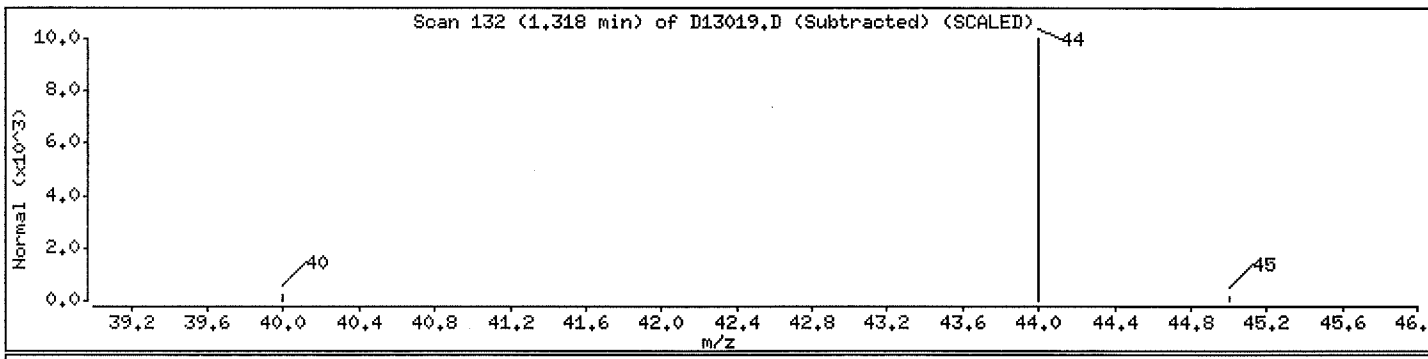
Sample Info: DLH5M101,,2,,0,1,0,8260BDA.M,D13019

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13019.D

Date : 14-OCT-2000 13:46

Client ID: D13019

Instrument: md.i

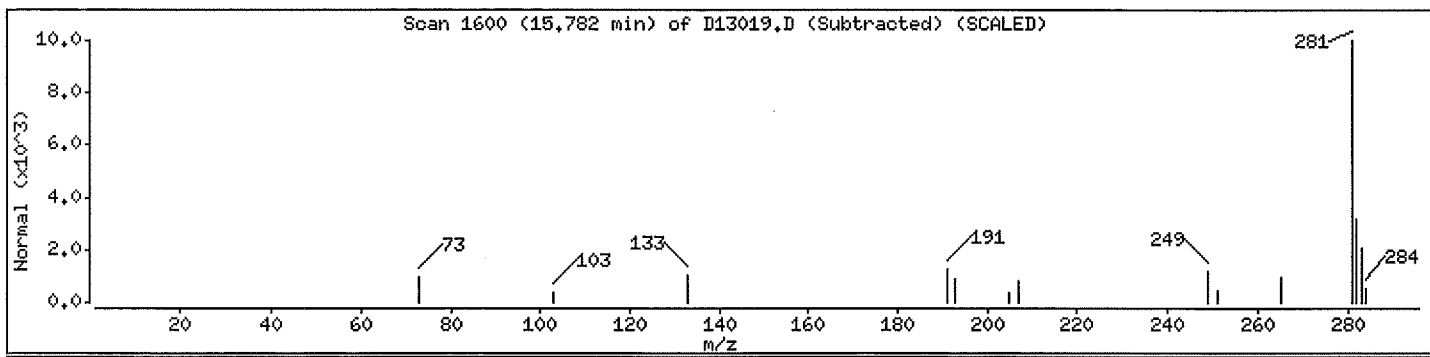
Sample Info: DLH5M101,,2,,0,1,0,8260BDA.M,D13019

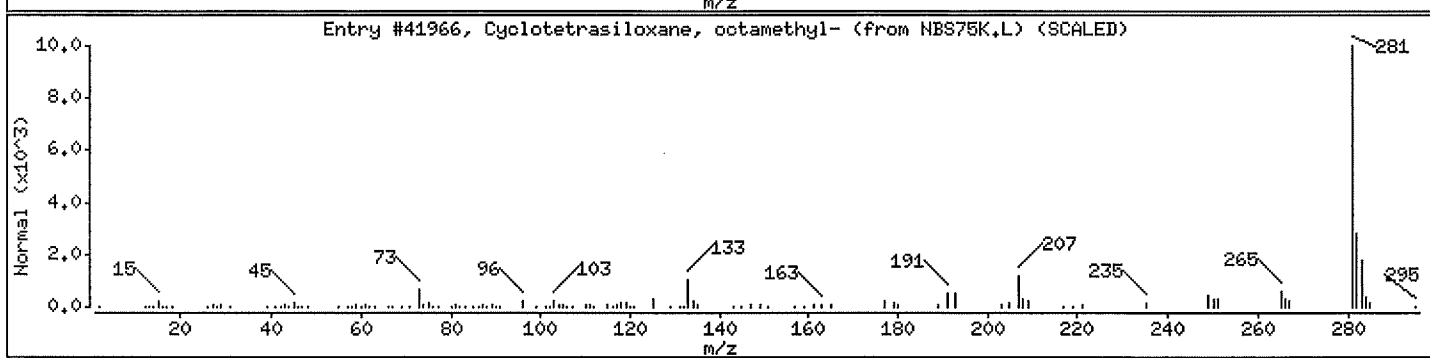
Operator: RRT

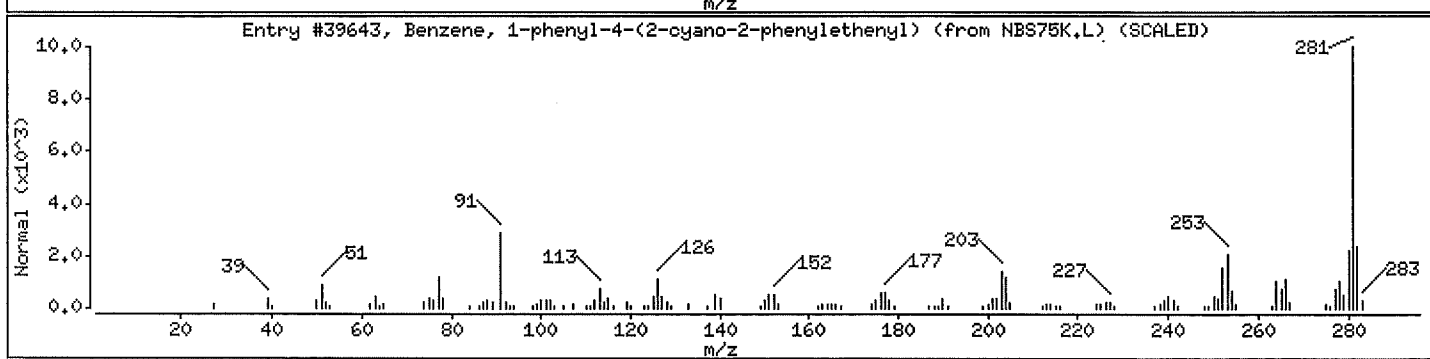
Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	78	C8H24O4Si4	296
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	NBS75K.L	39643	50	C21H15N	281







CAP BLEED

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13019.D

Date : 14-OCT-2000 13:46

Client ID: D13019

Instrument: md.i

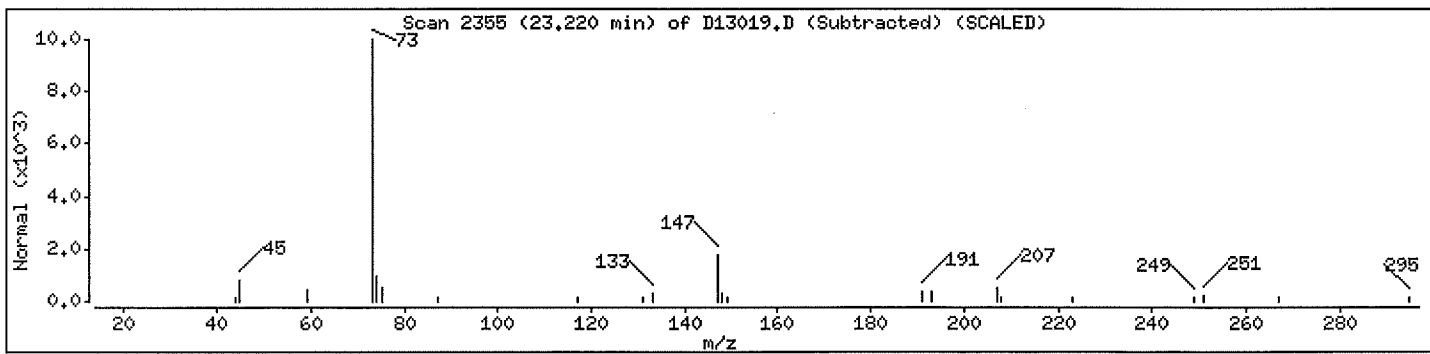
Sample Info: DLH5M101,,2,,0,1,0,8260BDA.M,D13019

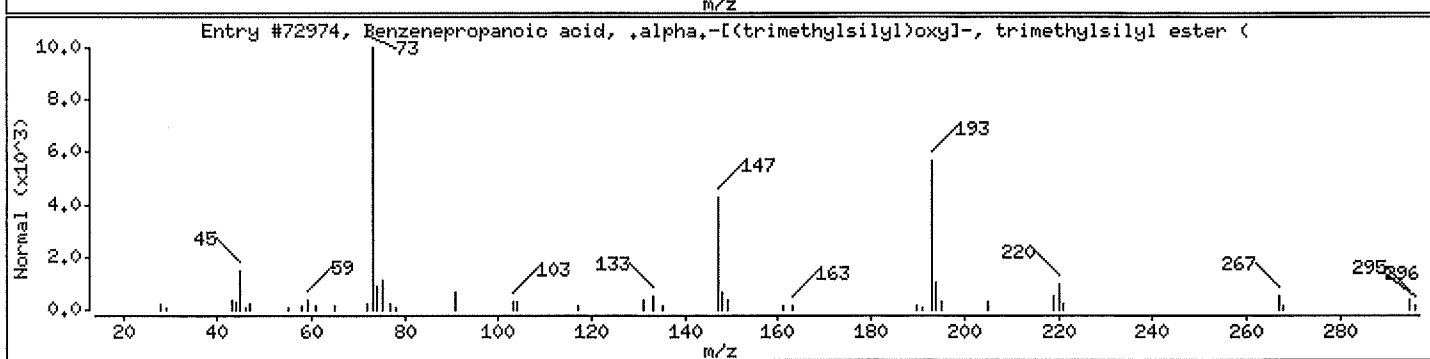
Operator: RRT

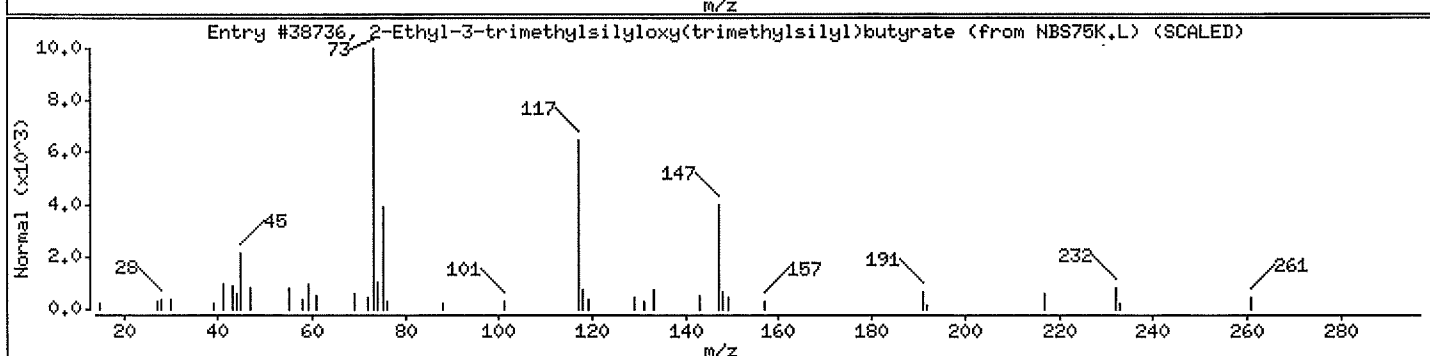
Column phase: J&W DB-624

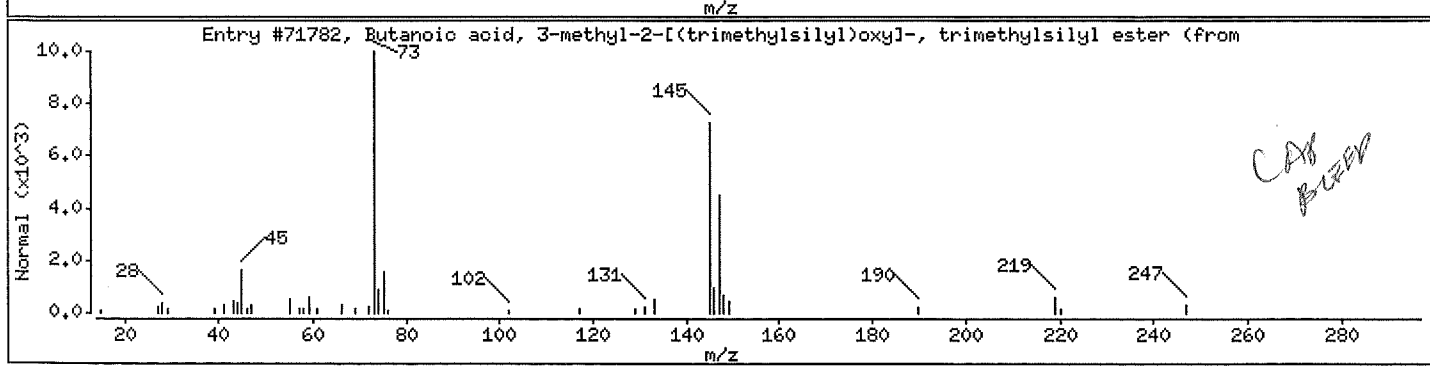
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzenepropanoic acid, .alpha.-[(trimeth	27750-45-4	NBS75K.L	72974	38	C15H26O3Si2	310
2-Ethyl-3-trimethylsilyloxy(trimethylsil	0-00-0	NBS75K.L	38736	36	C12H28O3Si2	276
Butanoic acid, 3-methyl-2-[(trimethylsil	55124-92-0	NBS75K.L	71782	32	C11H26O3Si2	262









STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13020.D
Lab Smp Id: DLH5R101 Client Smp ID: D13020
Inj Date : 14-OCT-2000 14:18
Operator : RRT Inst ID: md.i
Smp Info : DLH5R101,,2,,0,1,0,8260BDA.M,D13020
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.992	5.991	(0.843)	874048	48.2875	48.29
$ 33 1,2-Dichloroethane-d4	65	6.534	6.543	(0.920)	620735	50.8057	50.80
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.533	(0.918)	116514	47.2688	47.27
36 1,2-Dichloroethane	62	7.125	6.661	(1.003)	22628	1.66395	1.66(aQ)
* 38 Fluorobenzene	96	7.106	7.104	(1.000)	1272570	50.0000	
$ 47 Toluene-d8	98	9.943	9.942	(0.788)	1243231	44.0272	44.03
* 56 Chlorobenzene-d5	117	12.623	12.632	(1.000)	1219791	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.958	14.967	(0.865)	765436	43.4241	43.42
$ 67 4-Bromofluorobenzene	95	14.958	14.967	(0.865)	1044925	44.4150	44.41
* 79 1,4-Dichlorobenzene-d4	152	17.283	17.282	(1.000)	885247	50.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13020.D
Lab Smp Id: DLH5R101 Client Smp ID: D13020
Inj Date : 14-OCT-2000 14:18
Operator : RRT Inst ID: md.i
Smp Info : DLH5R101,,2,,0,1,0,8260BDA.M,D13020
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.106	3036078	50.000
* 79 1,4-Dichlorobenzene-d4	17.283	5357151	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.323	482576	7.94735615	7.95	0		0	38
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
15.795	545557	5.09185280	5.09	78	NBS75K.L	41966	79

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH5R101
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13020
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown COL	1.323	7.95	J
2. 556-67-2	Cyclotetrasiloxane, octamet	15.795	5.09	NJ

CAP BLEED

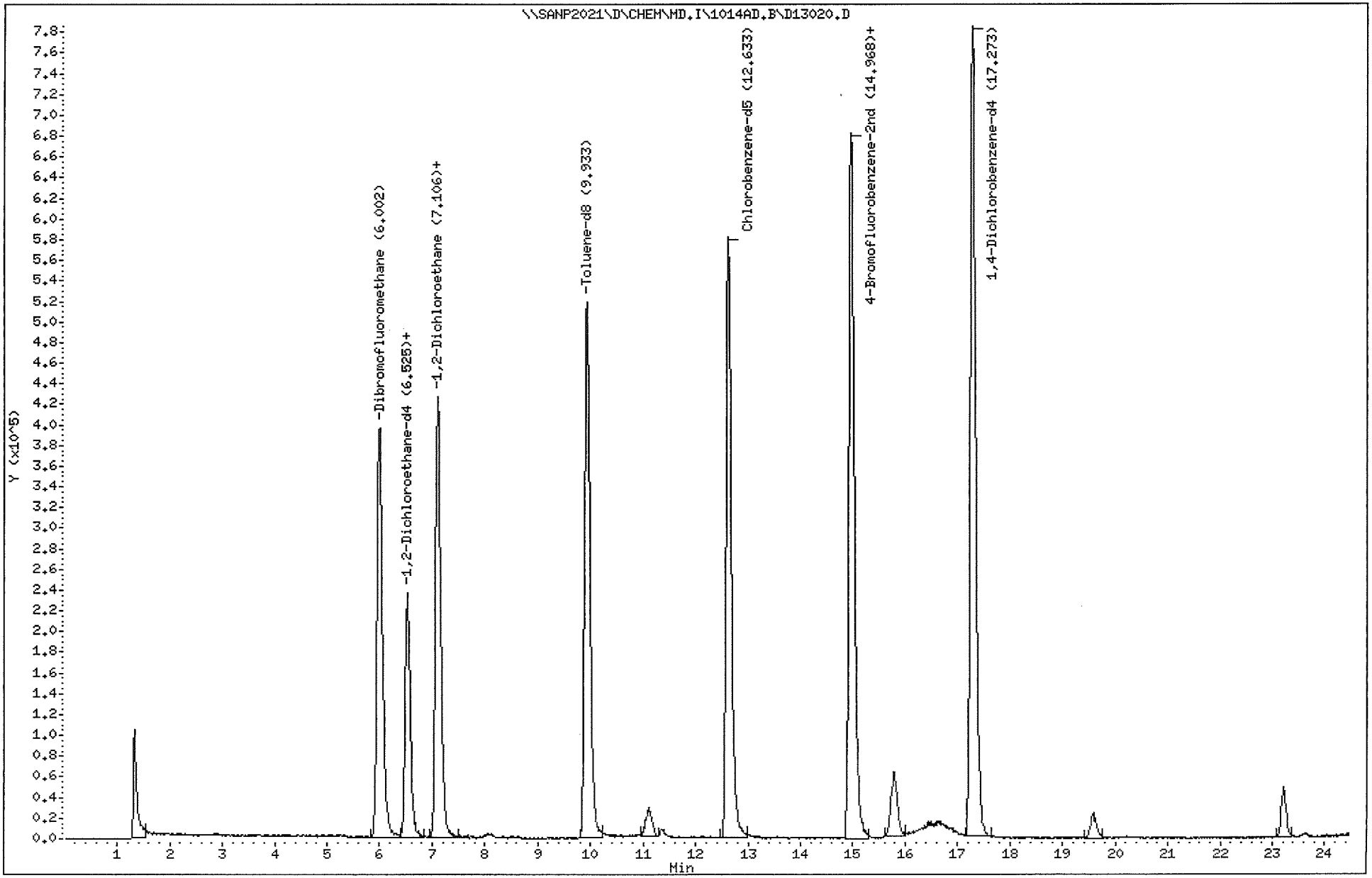
Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13020.D
Date : 14-OCT-2000 14:18
Client ID: D13020
Sample Info: DLH5R101,,2,,0,1,0,8260BDA.M,D13020

Instrument: md.i

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



000662

BOE-C6-0155327

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13020.D

Date : 14-OCT-2000 14:18

Client ID: D13020

Instrument: md.i

Sample Info: DLH5R101,,2,,0,1,0,8260BDA,M,D13020

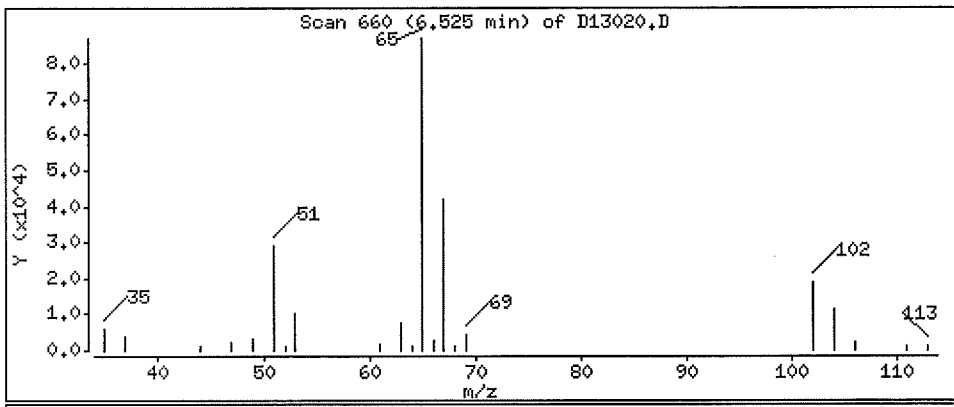
Operator: RRT

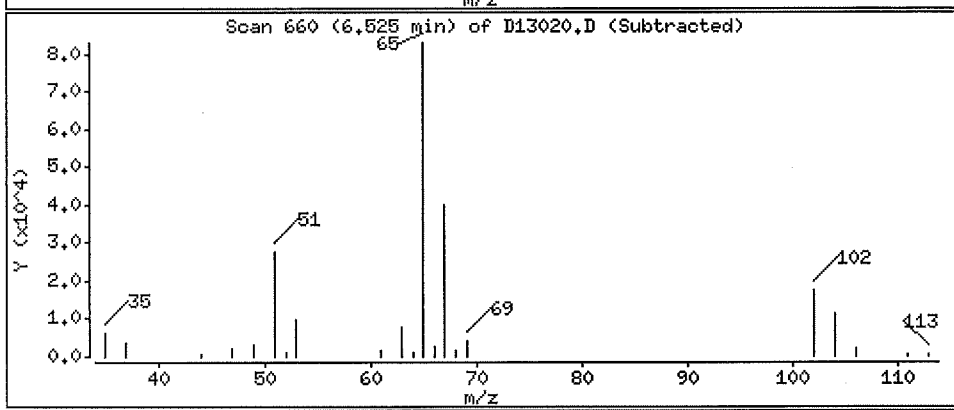
Column phase: J&W DB-624

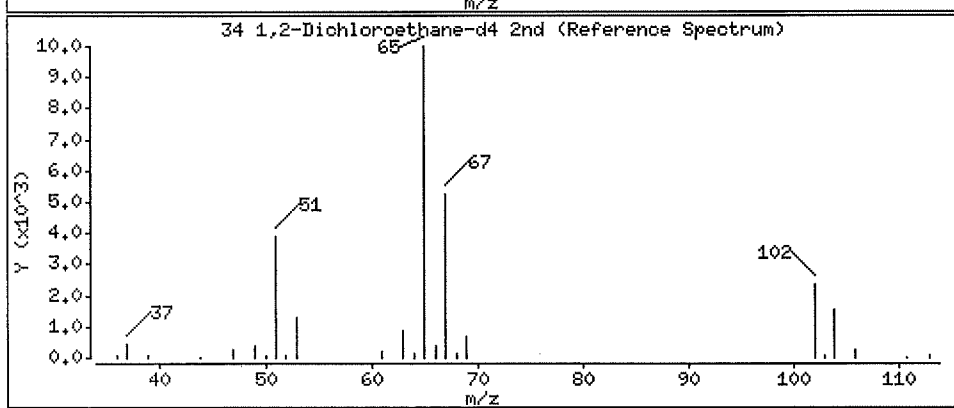
Column diameter: 0.53

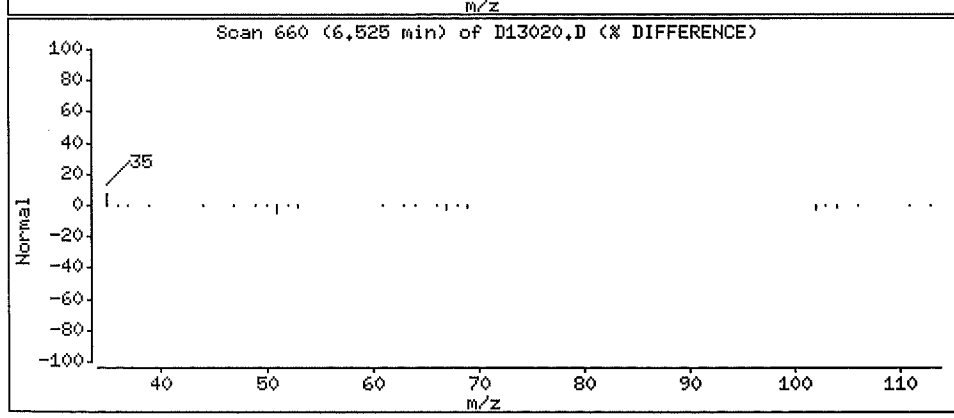
34 1,2-Dichloroethane-d4 2nd

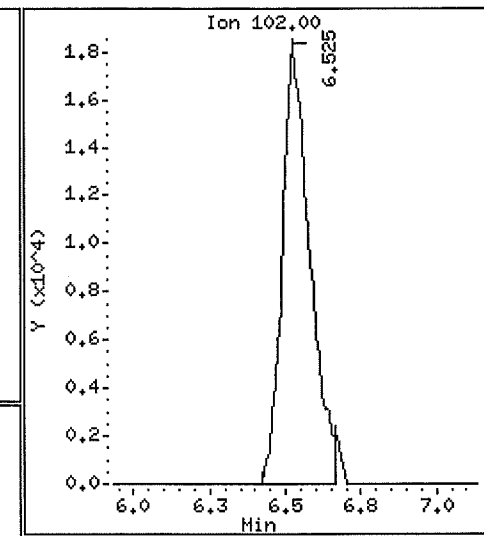
Concentration: 47.27 ug/Kg

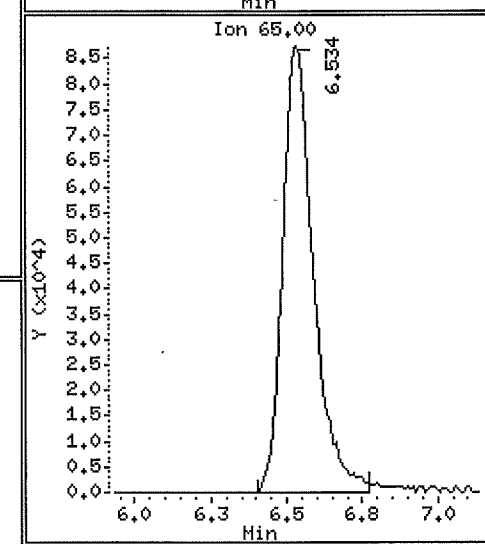












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13020.D

Date : 14-OCT-2000 14:18

Client ID: D13020

Instrument: md.i

Sample Info: DLH5R101,,2,,0,1,0,8260BDA.M,D13020

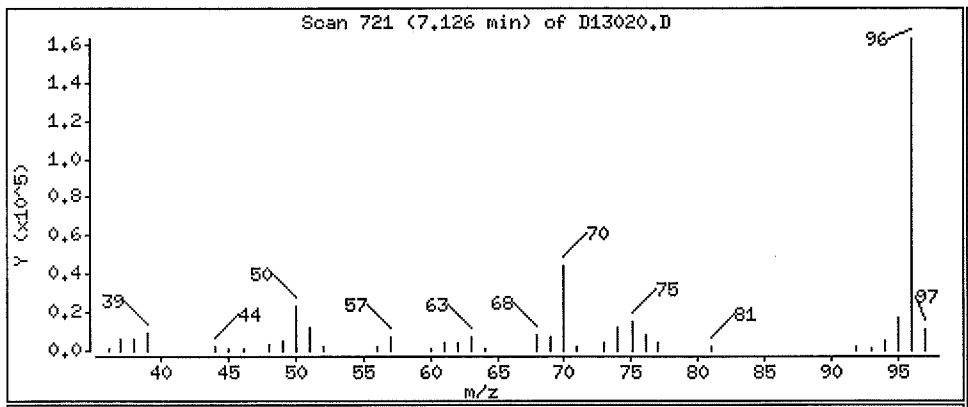
Operator: RRT

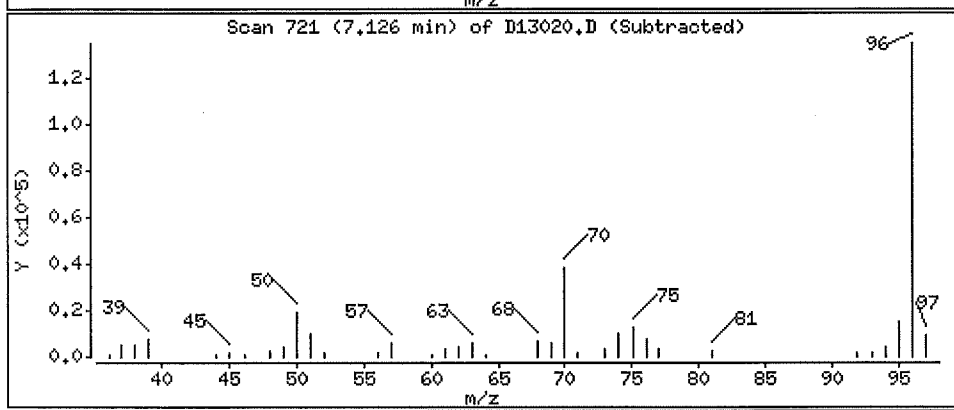
Column phase: J&W DB-624

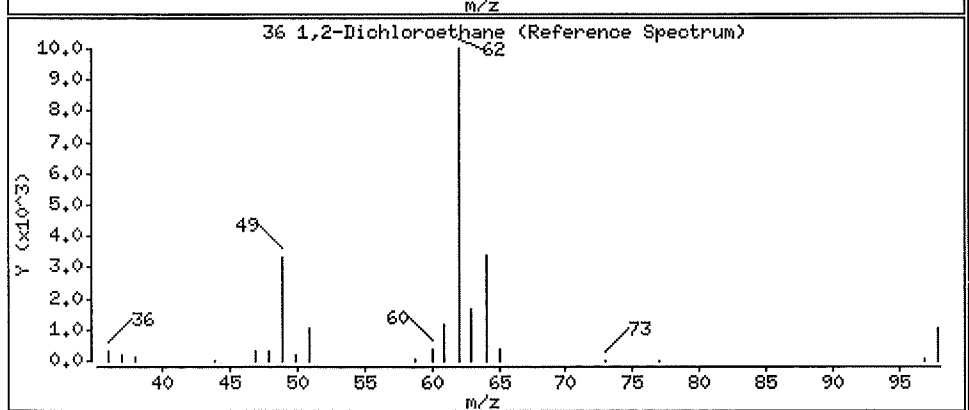
Column diameter: 0.53

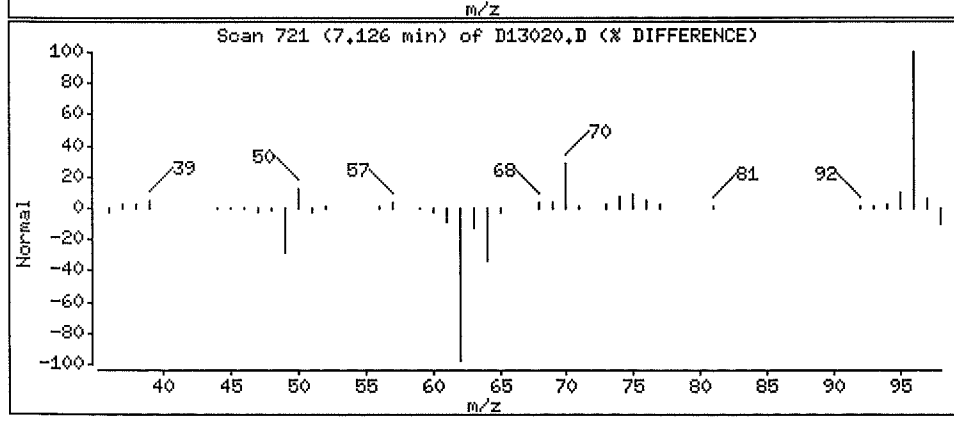
36 1,2-Dichloroethane

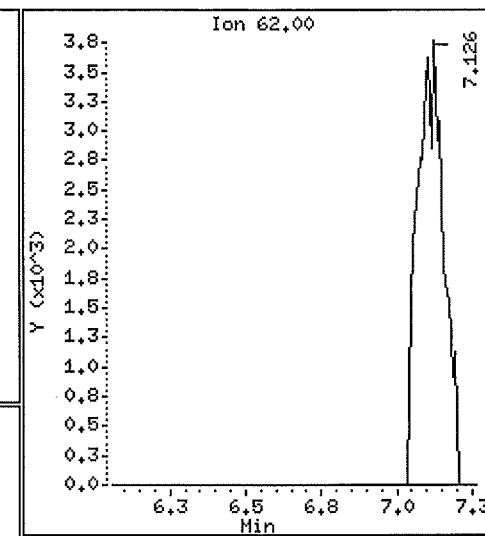
Concentration: 1.66 ug/Kg

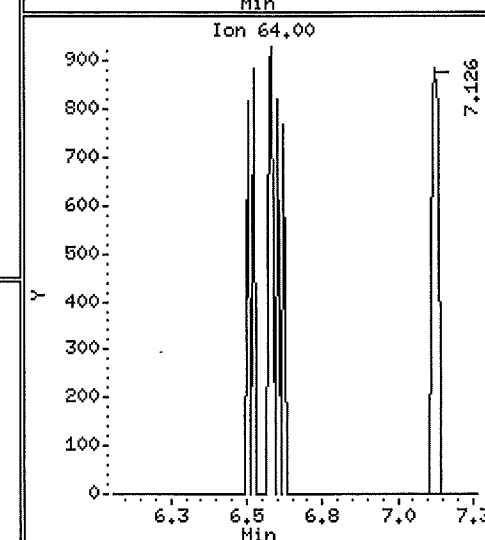


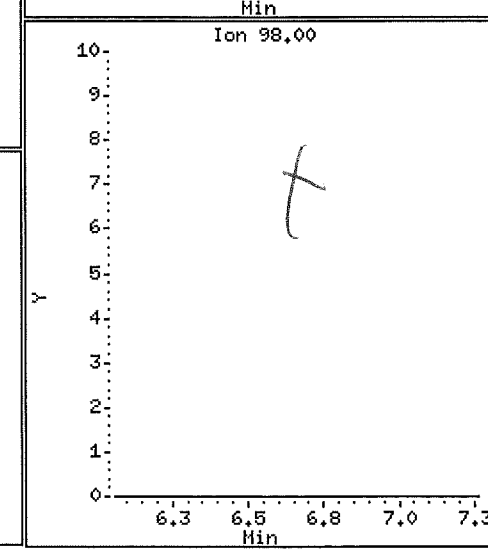












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13020.D

Date : 14-OCT-2000 14:18

Client ID: D13020

Instrument: md.i

Sample Info: DLH5R101,,2,,0,1,0,8260BDA.M,D13020

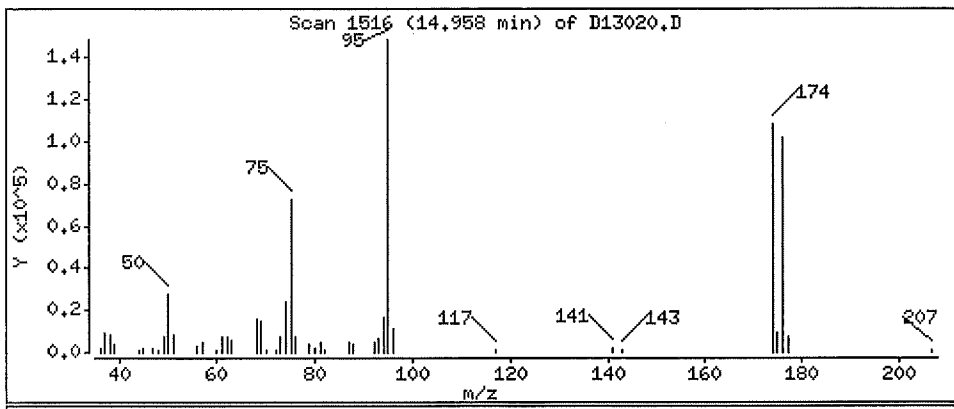
Operator: RRT

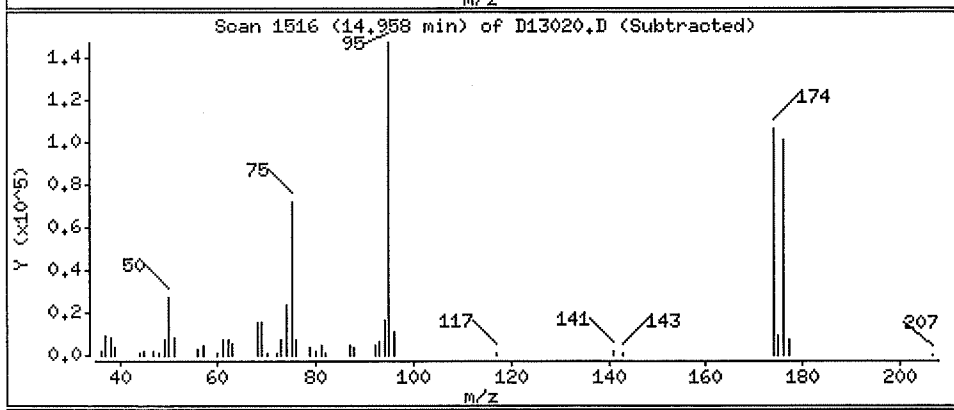
Column phase: J&W DB-624

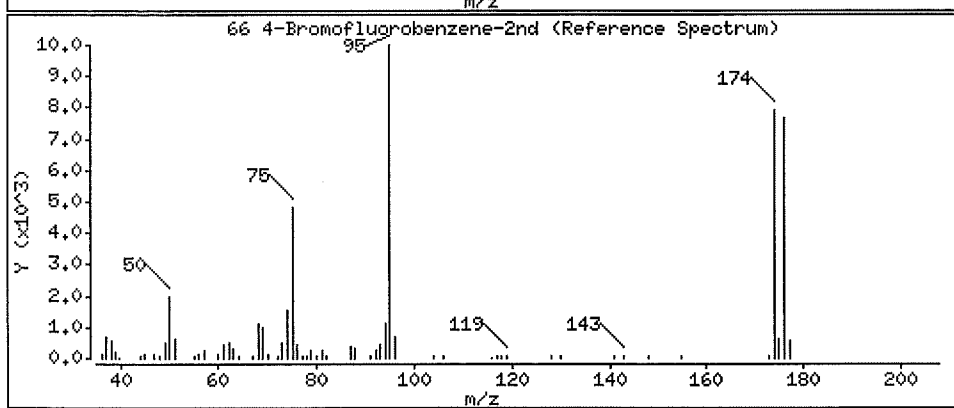
Column diameter: 0.53

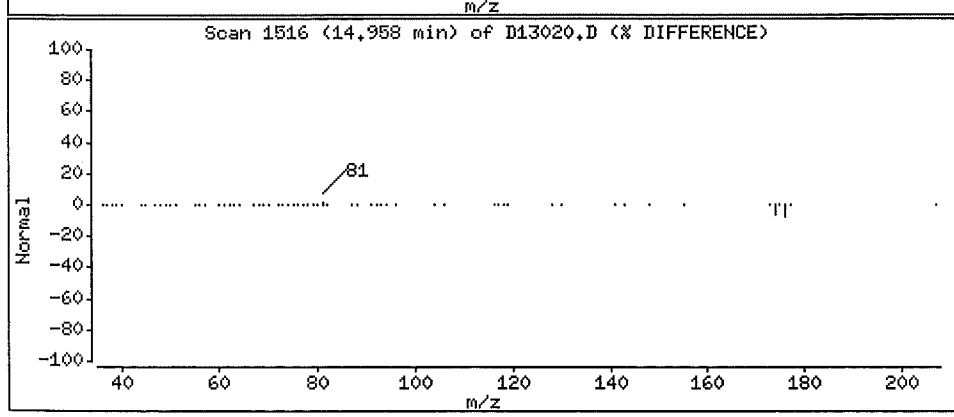
66 4-Bromofluorobenzene-2nd

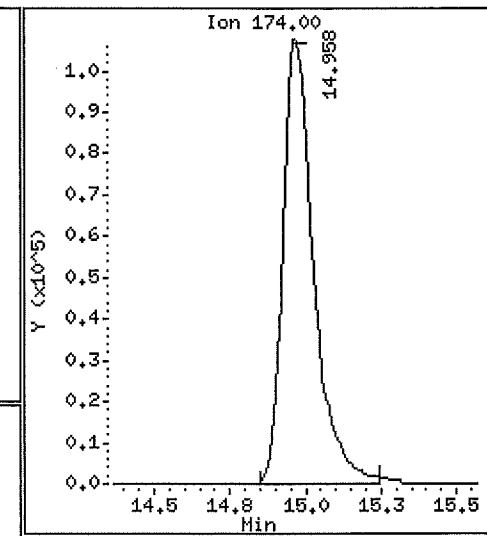
Concentration: 43.42 ug/Kg

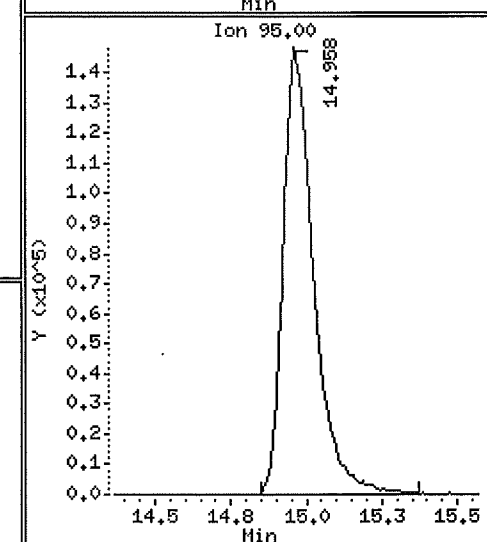


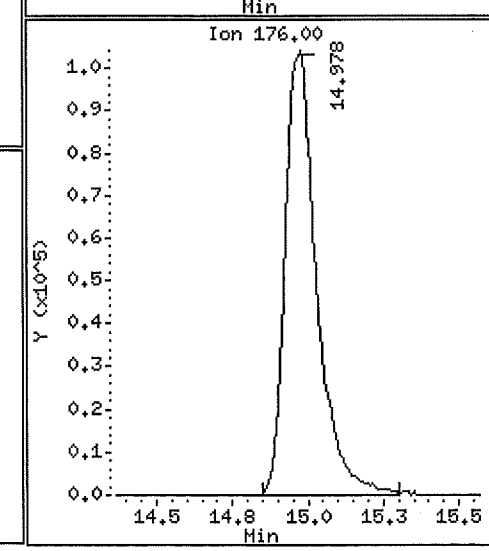












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13020.D

Date : 14-OCT-2000 14:18

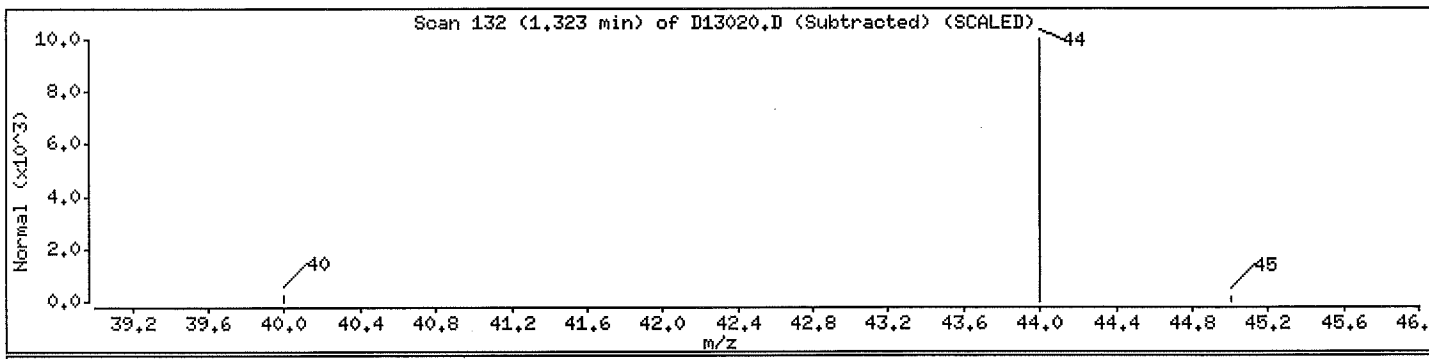
Client ID: D13020 Instrument: md.i

Sample Info: DLH5R101,,2,,0,1,0,8260BDA.M,D13020

Operator: RRT

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13020.D

Date : 14-OCT-2000 14:18

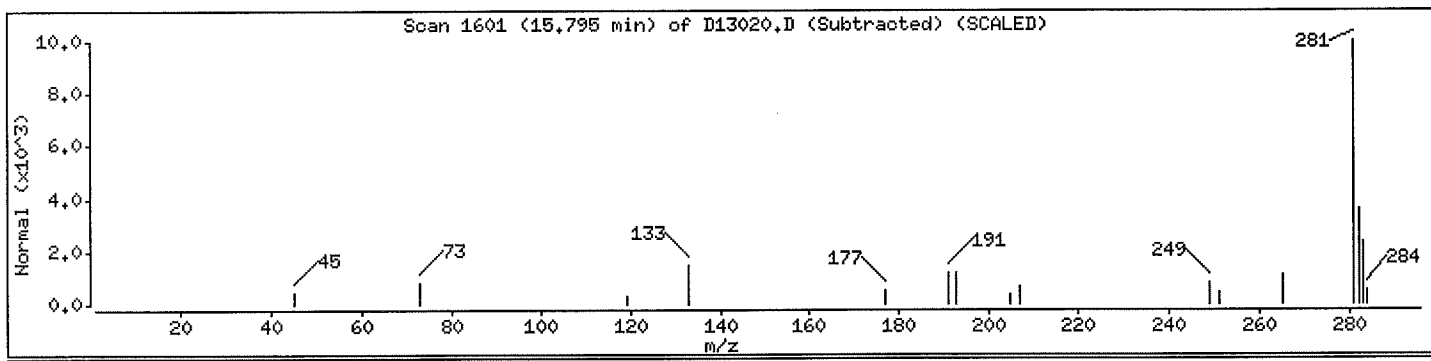
Client ID: D13020 Instrument: md.i

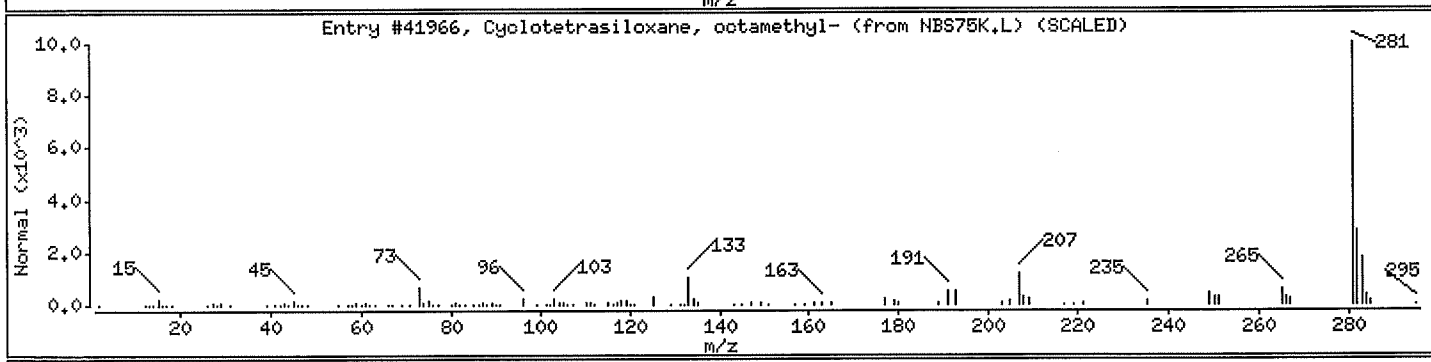
Sample Info: DLH5R101,,2,,0,1,0,8260BDA.M,D13020

Operator: RRT

Column phase: J&W DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	78	C8H24O4Si4	296





CAP BLEED

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13021.D
Lab Smp Id: DLH5T101 Client Smp ID: D13021
Inj Date : 14-OCT-2000 14:50
Operator : RRT Inst ID: md.i
Smp Info : DLH5T101,,2,,0,1,0,8260BDA.M,D13021
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
10 Acetone	43	2.867	2.878	(0.404)	7449	5.42728	5.43	
$ 29 Dibromofluoromethane	111	5.990	5.991	(0.843)	825441	46.8079	46.81	
$ 33 1,2-Dichloroethane-d4	65	6.532	6.543	(0.920)	602005	50.5756	50.58	
34 1,2-Dichloroethane-d4 2nd	102	6.552	6.533	(0.922)	112972	47.0439	47.04	
* 38 Fluorobenzene	96	7.103	7.104	(1.000)	1239788	50.0000		
$ 47 Toluene-d8	98	9.941	9.942	(0.787)	1212118	45.1100	45.11	
* 56 Chlorobenzene-d5	117	12.630	12.632	(1.000)	1160717	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.965	14.967	(0.867)	746719	44.5700	44.57	
$ 67 4-Bromofluorobenzene	95	14.956	14.967	(0.866)	1005770	44.9787	44.98	
* 79 1,4-Dichlorobenzene-d4	152	17.271	17.282	(1.000)	841396	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13021.D
Lab Smp Id: DLH5T101 Client Smp ID: D13021
Inj Date : 14-OCT-2000 14:50
Operator : RRT Inst ID: md.i
Smp Info : DLH5T101,,2,,0,1,0,8260BDA.M,D13021
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.103	2928415	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.320	523786	8.94315476	8.94	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH5T101
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13021
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

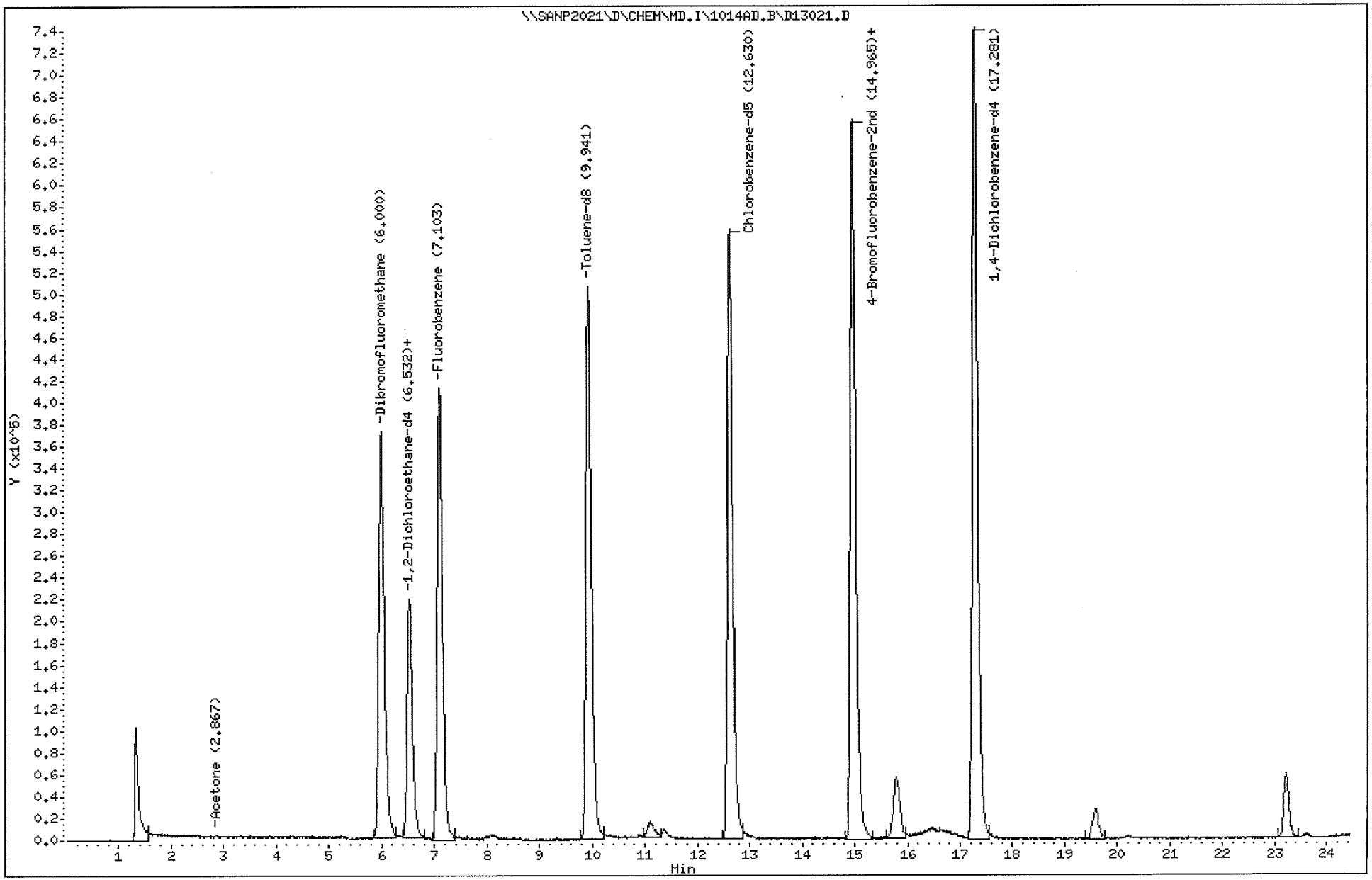
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown COV	1.320	8.94	J

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13021.D
Date : 14-OCT-2000 14:50
Client ID: D13021
Sample Info: DLH5T101,,2,,0,1,0,8260BDA.M,D13021

Instrument: md.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



BOE-C6-0155337

0006272

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13021.D

Date : 14-OCT-2000 14:50

Client ID: D13021

Instrument: md.i

Sample Info: DLH5T101,,2,,0,1,0,8260BDA.M,D13021

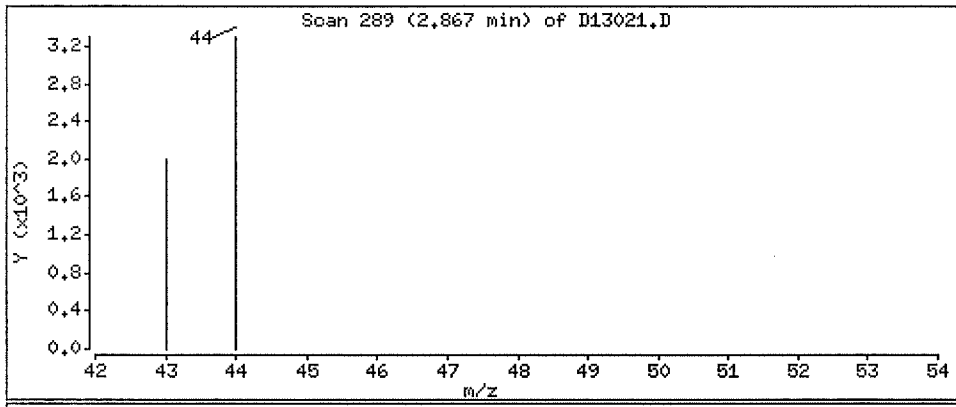
Operator: RRT

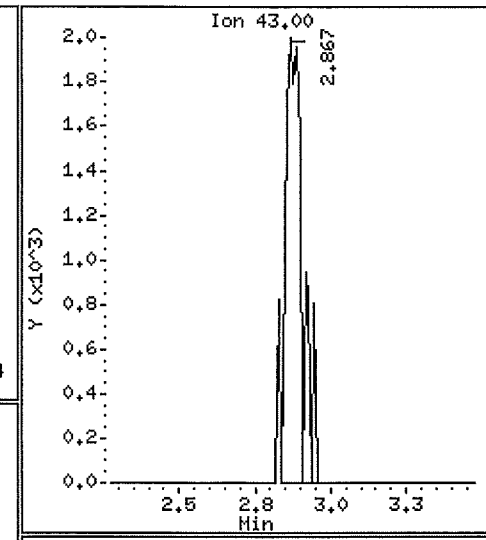
Column phase: J&W DB-624

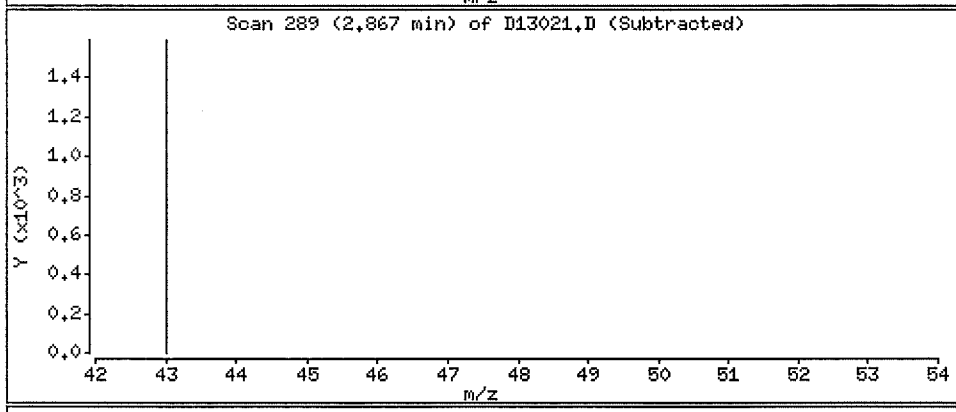
Column diameter: 0.53

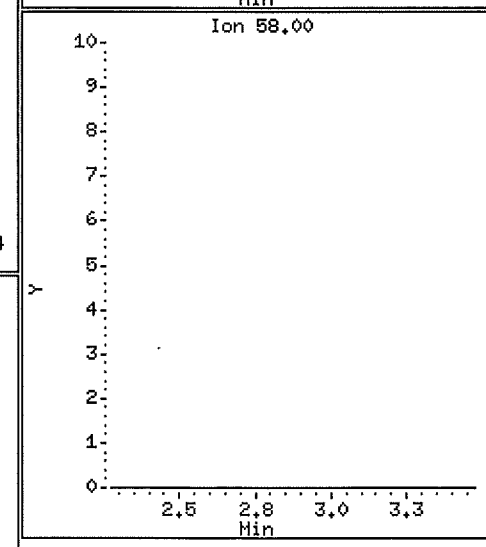
10 Acetone

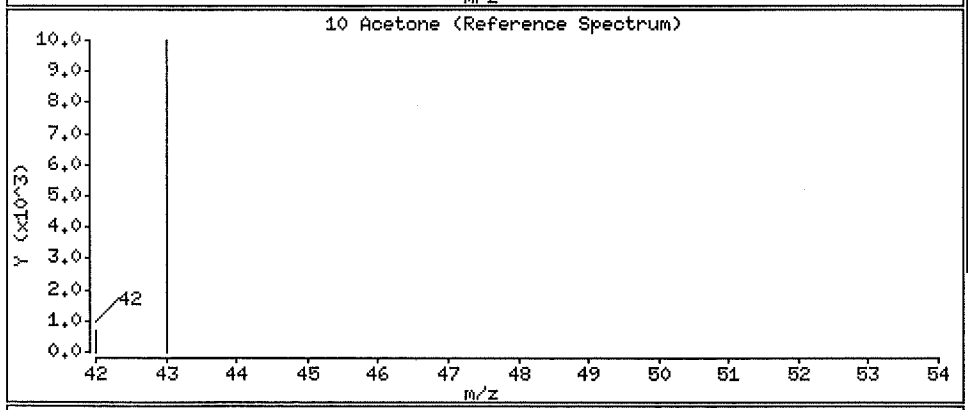
Concentration: 5.43 ug/Kg

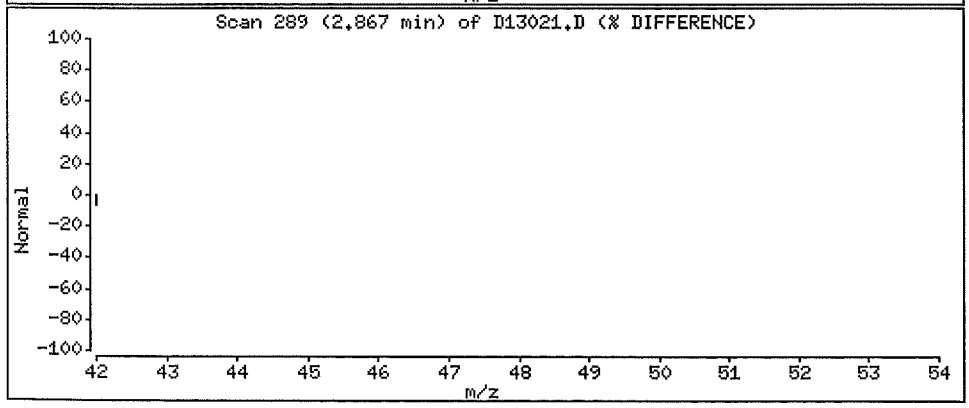












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13021.D

Date : 14-OCT-2000 14:50

Client ID: D13021

Instrument: md.i

Sample Info: DLH5T101,,2,,0,1,0,8260BDA.M,D13021

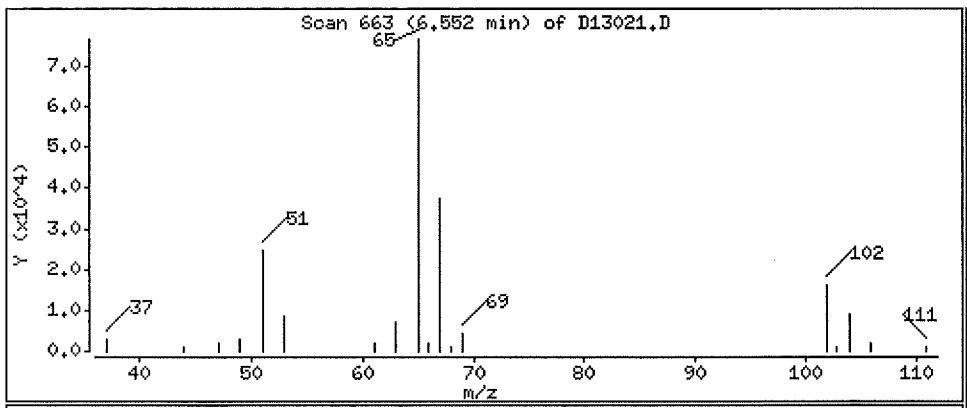
Operator: RRT

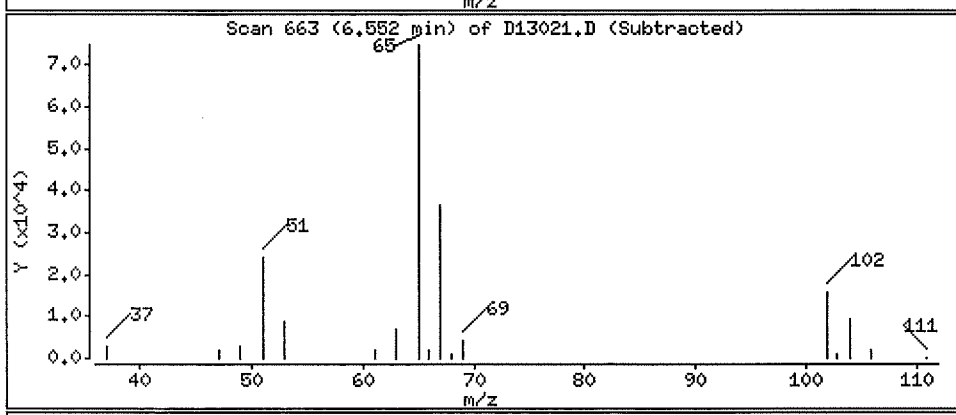
Column phase: J&W DB-624

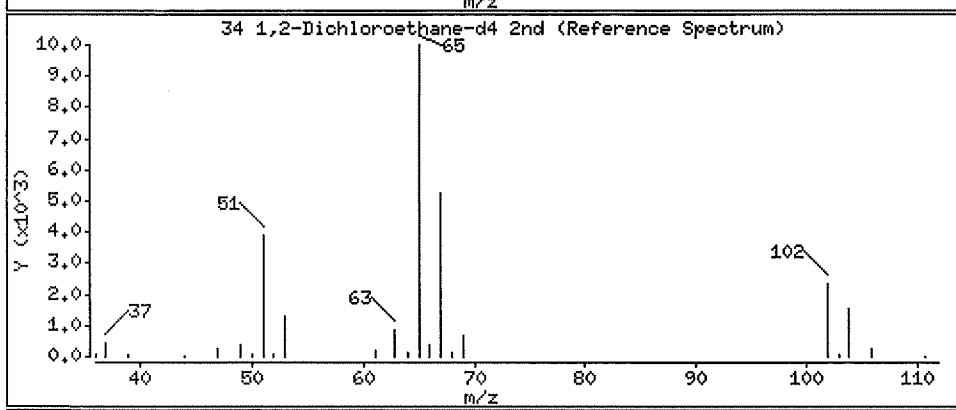
Column diameter: 0.53

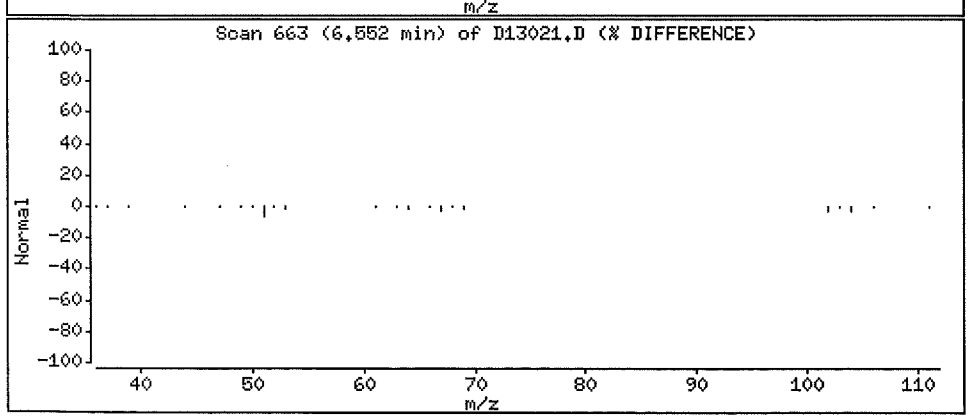
34 1,2-Dichloroethane-d4 2nd

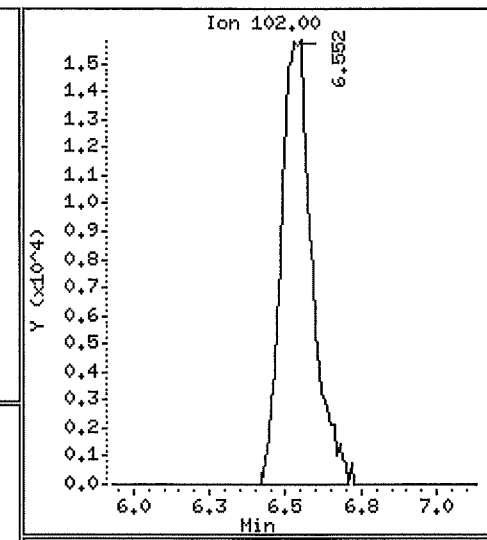
Concentration: 47.04 ug/Kg

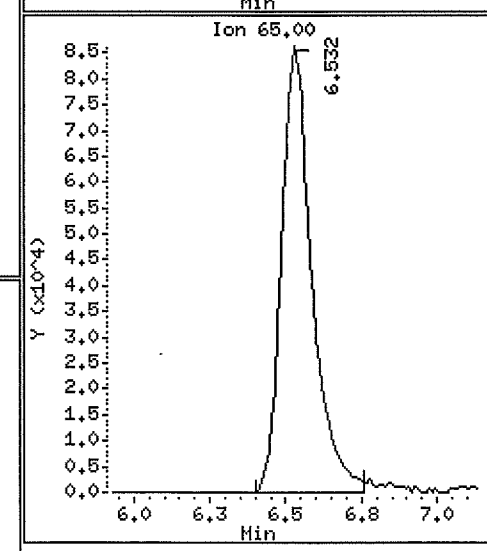












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13021.D

Date : 14-OCT-2000 14:50

Client ID: D13021

Instrument: md.i

Sample Info: DLH5T101,,2,,0,1,0,8260BDA.M,D13021

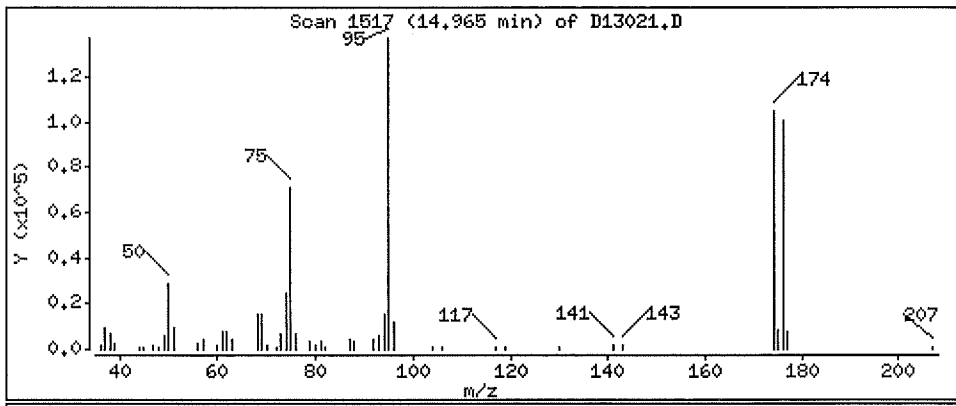
Operator: RRT

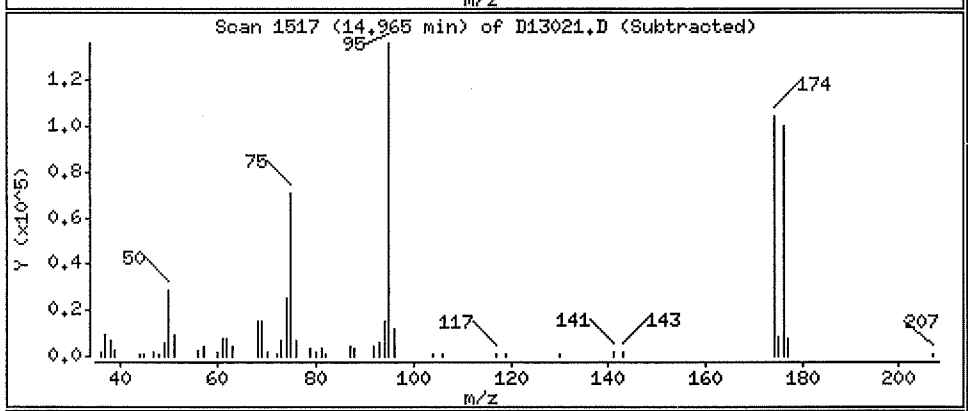
Column phase: J&W DB-624

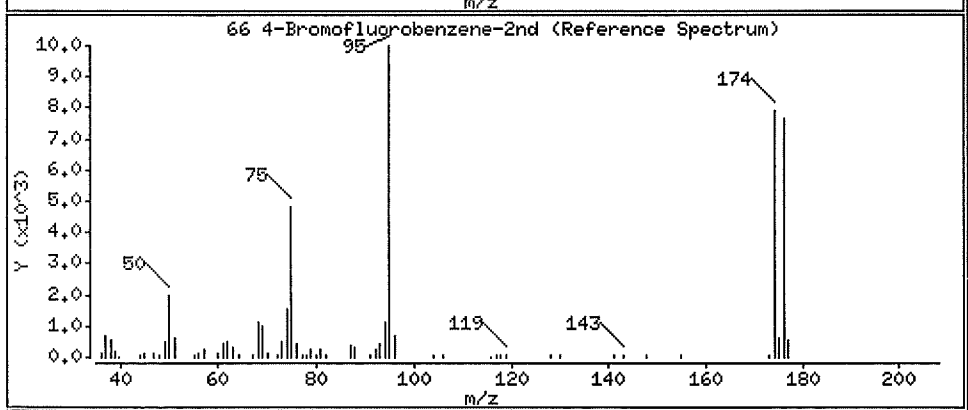
Column diameter: 0.53

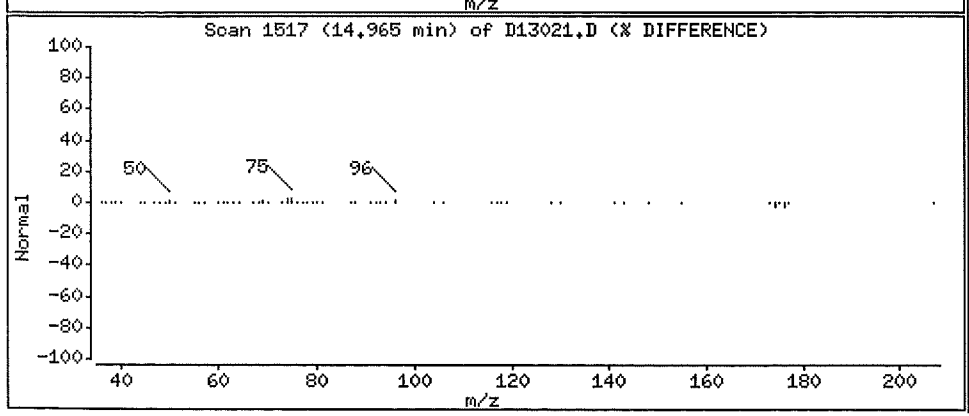
66 4-Bromofluorobenzene-2nd

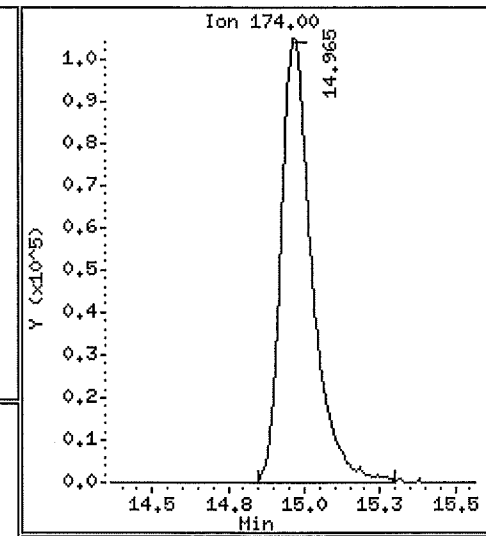
Concentration: 44.57 ug/Kg

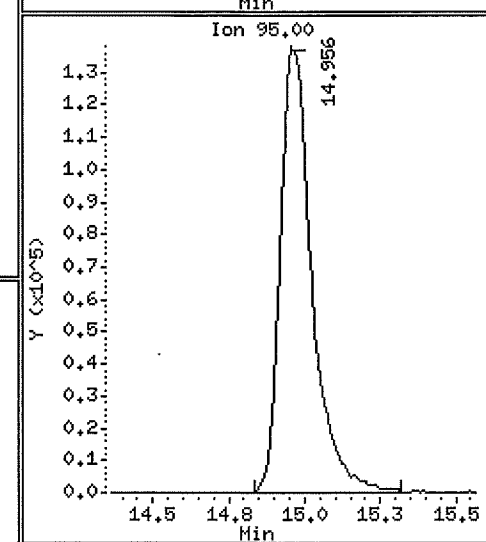


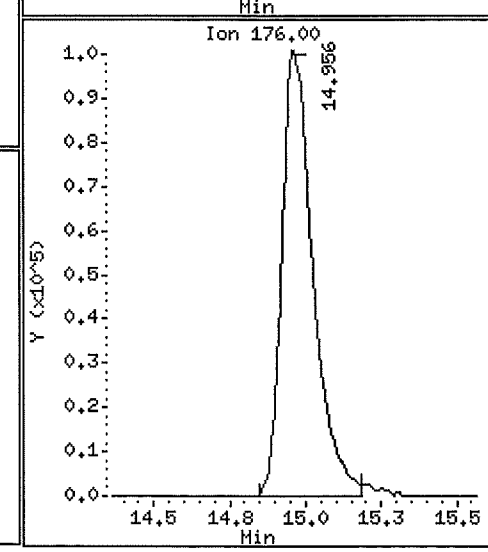












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13021.D

Date : 14-OCT-2000 14:50

Client ID: D13021

Instrument: md.i

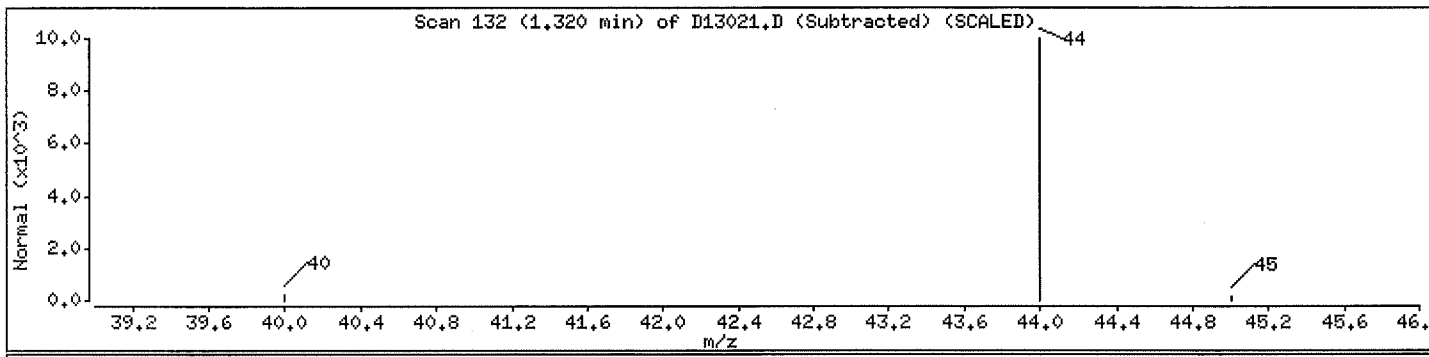
Sample Info: DLH5T101,,2,,0,1,0,8260BDA.M,D13021

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13016.D
Lab Smp Id: DLH60101 Client Smp ID: D13016
Inj Date : 14-OCT-2000 12:10
Operator : RRT Inst ID: md.i
Smp Info : DLH60101,,2,,0,1,0,8260BDA.M,D13016
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.869	2.878	(0.404)	8560	5.84350	5.84
$ 29 Dibromofluoromethane	111	6.002	5.991	(0.845)	892384	47.4141	47.41
$ 33 1,2-Dichloroethane-d4	65	6.534	6.543	(0.920)	631400	49.7012	49.70
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.533	(0.918)	124090	48.4161	48.42
36 1,2-Dichloroethane	62	7.105	6.661	(1.000)	23389	1.65408	1.65(aQ)
* 38 Fluorobenzene	96	7.105	7.104	(1.000)	1323201	50.0000	
$ 47 Toluene-d8	98	9.933	9.942	(0.787)	1315077	44.2634	44.26
* 56 Chlorobenzene-d5	117	12.622	12.632	(1.000)	1283396	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.977	14.967	(0.867)	774118	43.3842	43.38
$ 67 4-Bromofluorobenzene	95	14.977	14.967	(0.867)	1063063	44.6381	44.64
* 79 1,4-Dichlorobenzene-d4	152	17.282	17.282	(1.000)	896111	50.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1014AD.B\D13016.D
Lab Smp Id: DLH60101 Client Smp ID: D13016
Inj Date : 14-OCT-2000 12:10
Operator : RRT Inst ID: md.i
Smp Info : DLH60101,,2,,0,1,0,8260BDA.M,D13016
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1014AD.B\8260BDA.m
Meth Date : 14-Oct-2000 12:15 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Vp	5000.000	Purge Volume
Ws	5.000	Weight of sample extracted
M	0.000	% moisture

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.105	3185595	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.322	623596	9.78774030	9.79	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLH60101
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13016
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

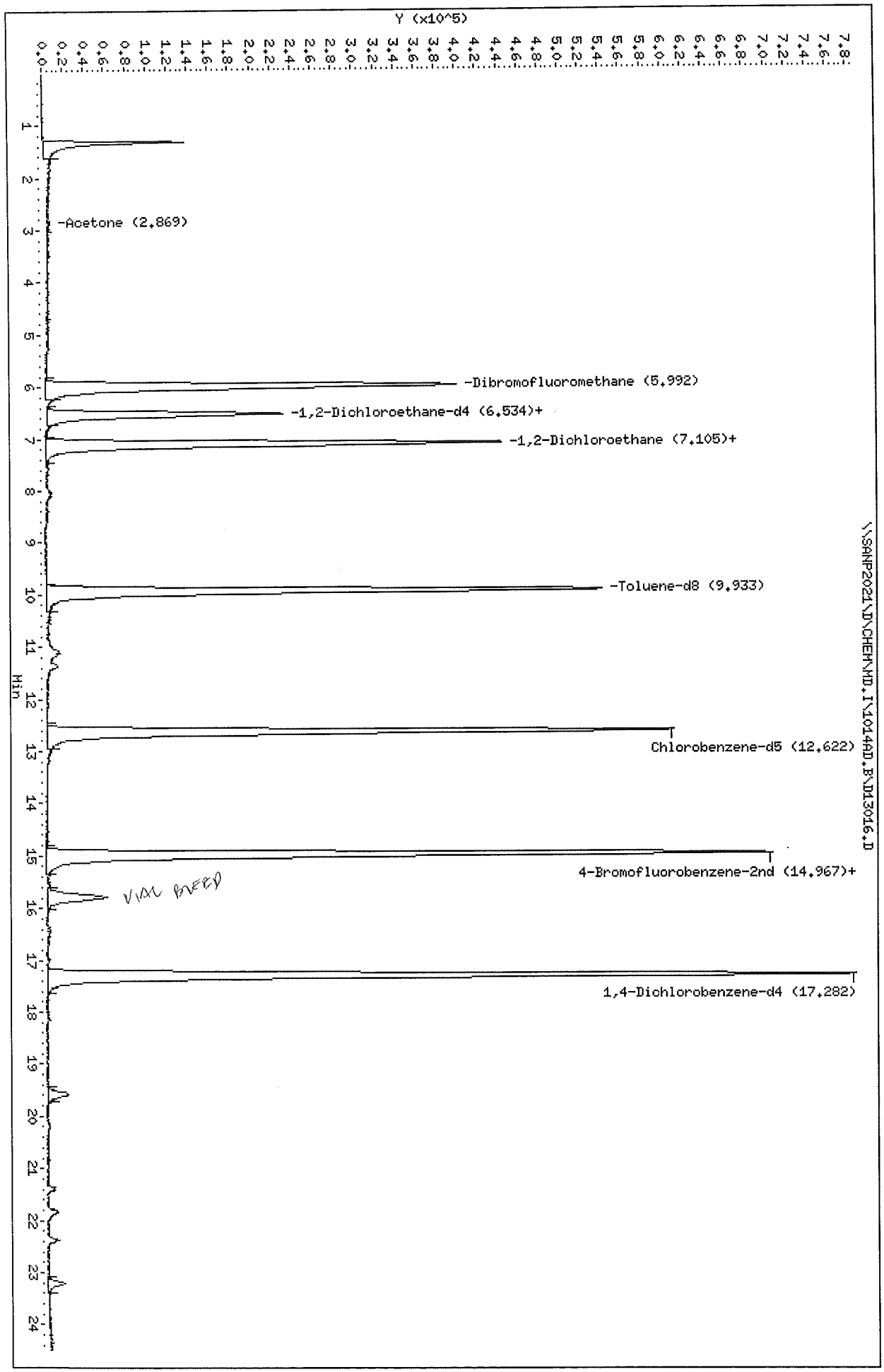
CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown COV	1.322	9.79	_J__

Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13016.D
Date : 14-OCT-2000 12:10
Client ID: D13016
Sample Info: DLH60101,2,0,1,0,8260BDA,M,D13016

Column phase: J&W DB-624

Instrument: md.i
Operator: RRT
Column diameter: 0.53



Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13016.D

Date : 14-OCT-2000 12:10

Client ID: D13016

Instrument: md.i

Sample Info: DLH60101,,2,,0,1,0,8260BDA.M,D13016

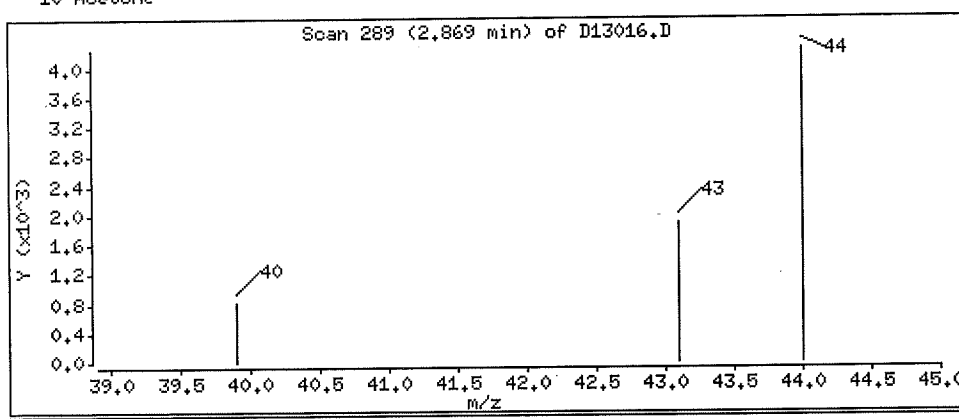
Operator: RRT

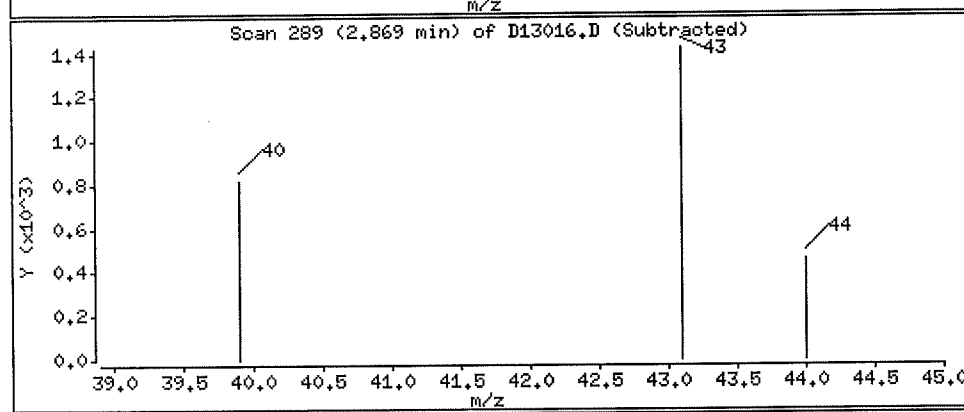
Column phase: J&W DB-624

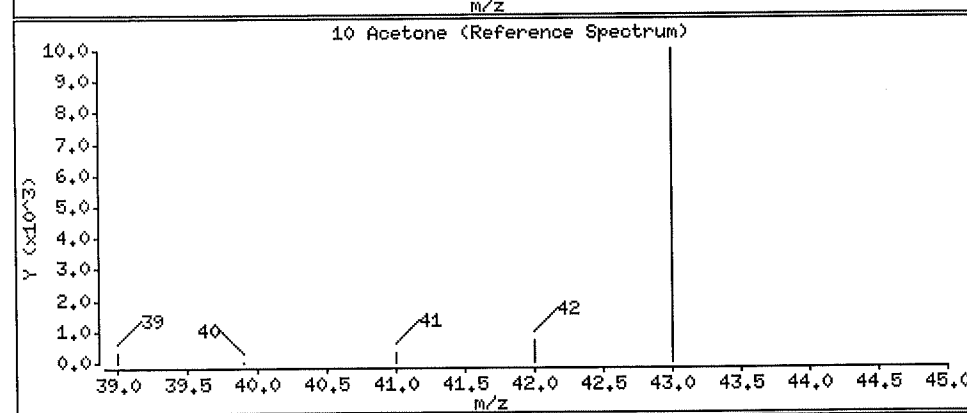
Column diameter: 0.53

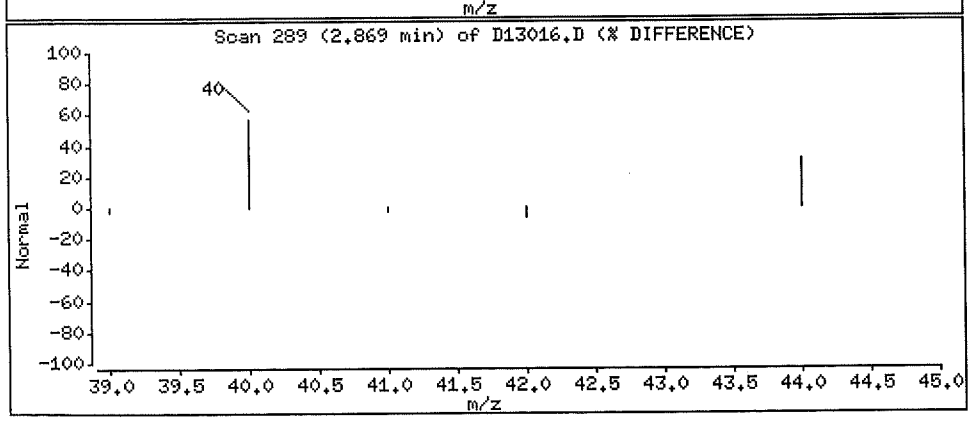
10 Acetone

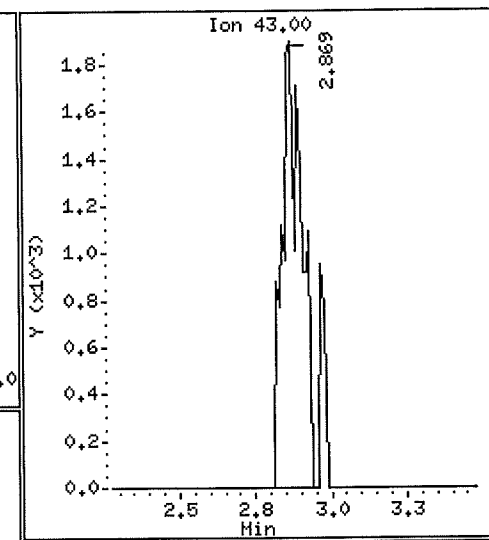
Concentration: 5.84 ug/Kg

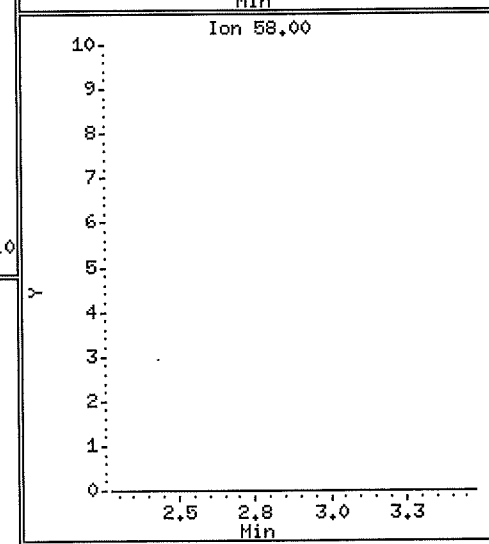












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13016.D

Date : 14-OCT-2000 12:10

Client ID: D13016

Instrument: md.i

Sample Info: DLH60101,,2,,0,1,0,8260BDA.M,D13016

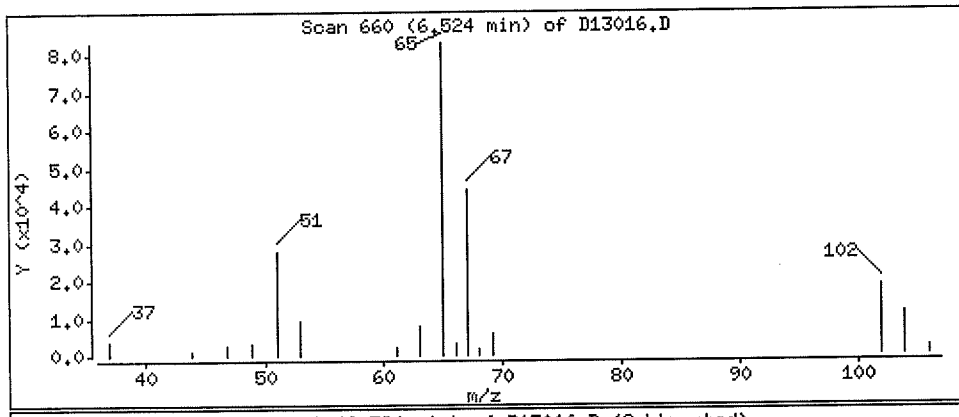
Operator: RRT

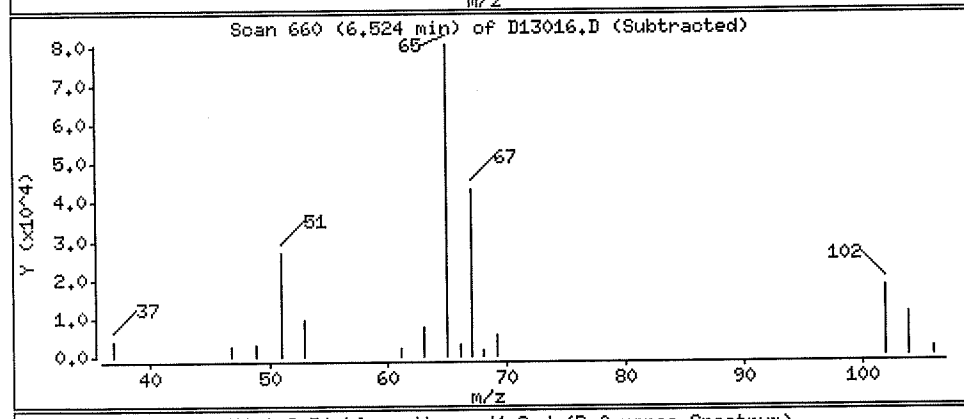
Column phase: J&W DB-624

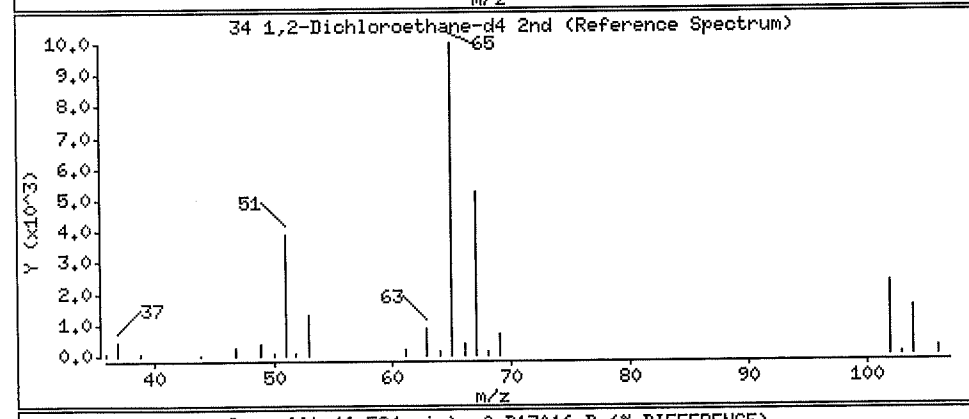
Column diameter: 0.53

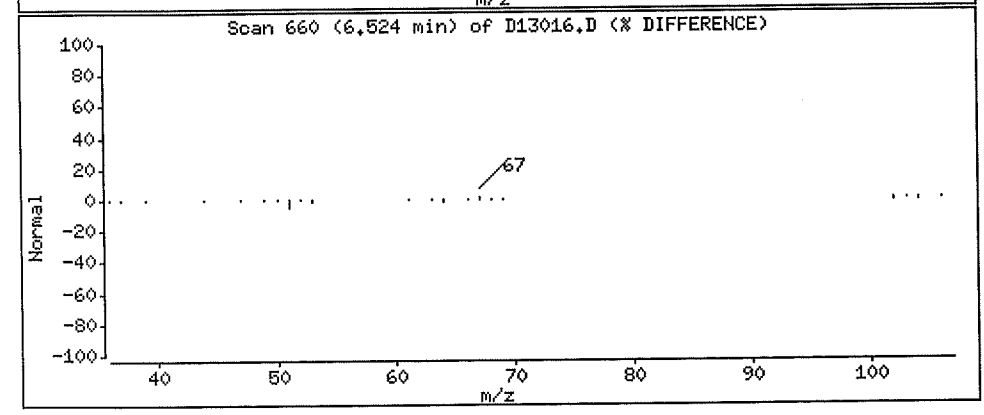
34 1,2-Dichloroethane-d4 2nd

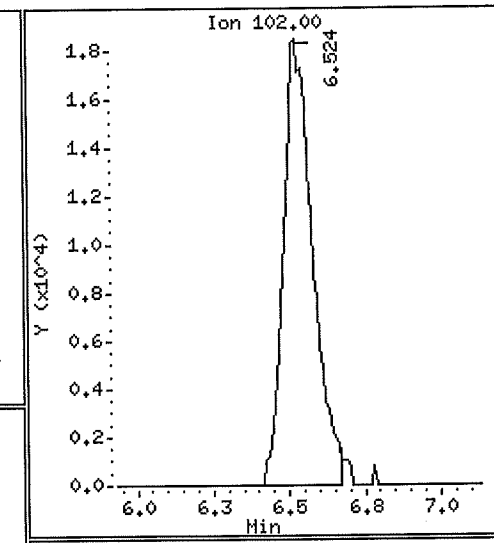
Concentration: 48.42 ug/Kg

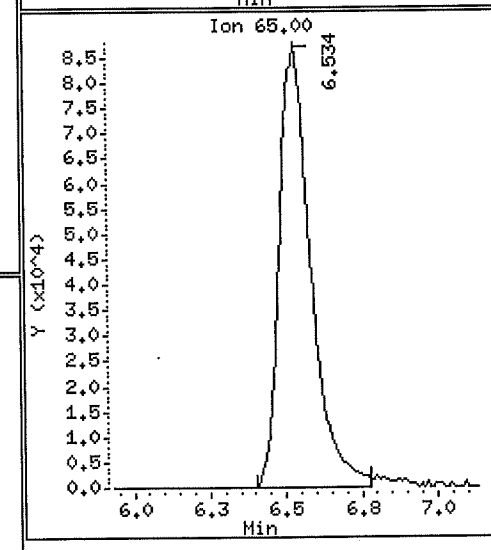












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13016.D

Date : 14-OCT-2000 12:10

Client ID: D13016

Instrument: md.i

Sample Info: DLH60101,,2,,0,1,0,8260BDA.M,D13016

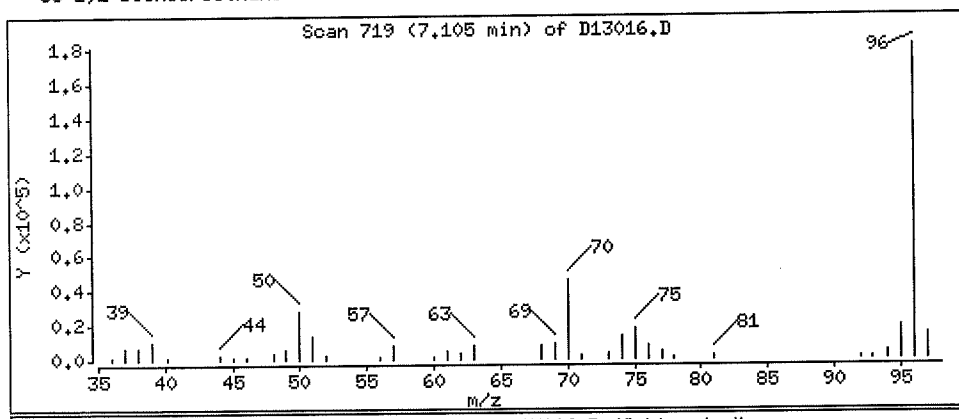
Operator: RRT

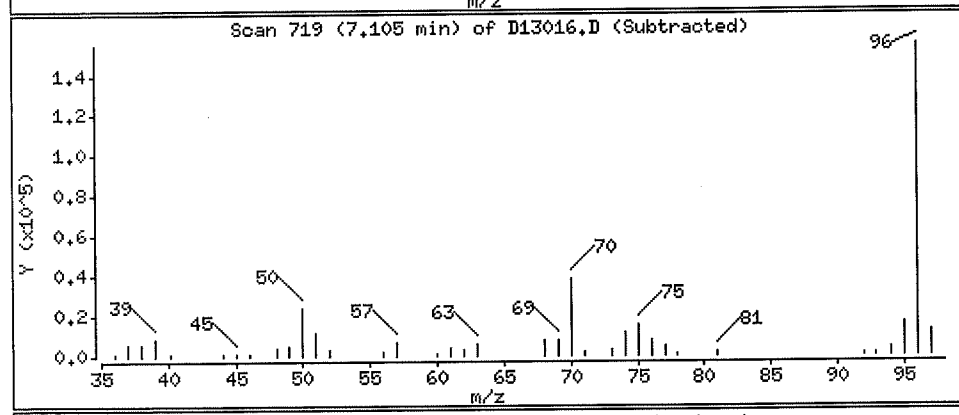
Column phase: J&W DB-624

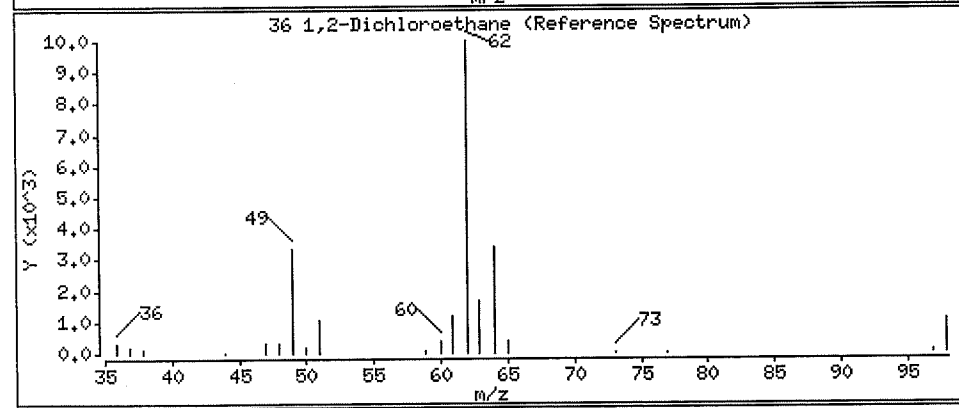
Column diameter: 0.53

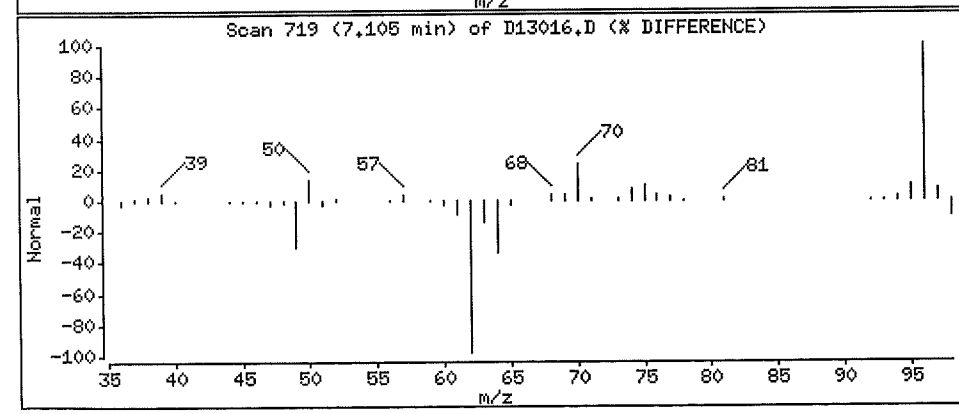
36 1,2-Dichloroethane

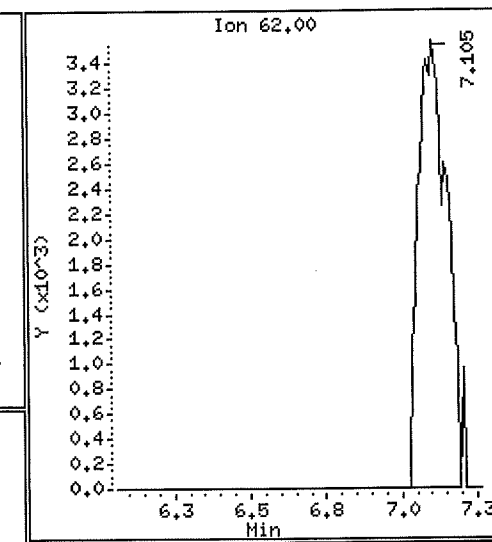
Concentration: 1.65 ug/Kg

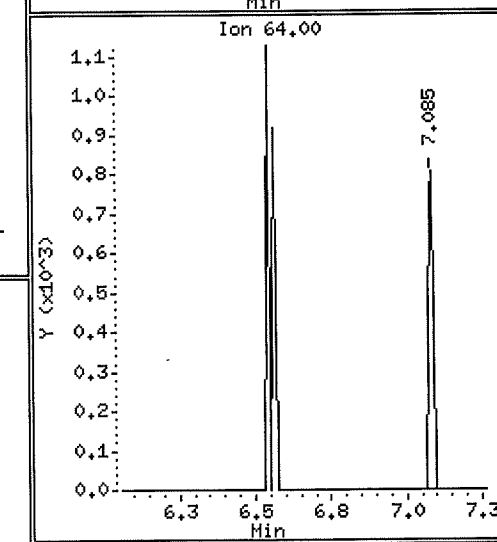


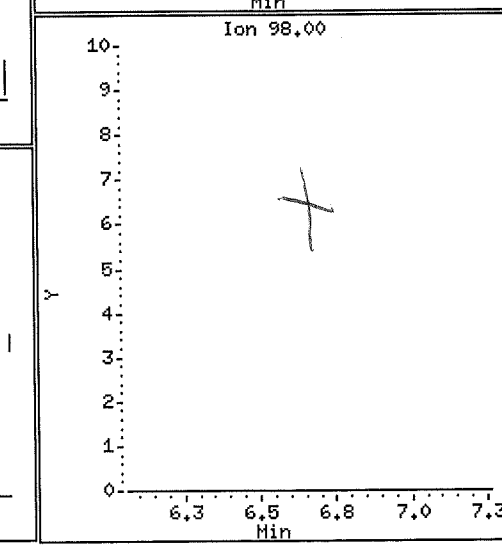












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13016.D

Date : 14-OCT-2000 12:10

Client ID: D13016

Instrument: md.i

Sample Info: DLH60101,,2,,0,1,0,8260BDA.M,D13016

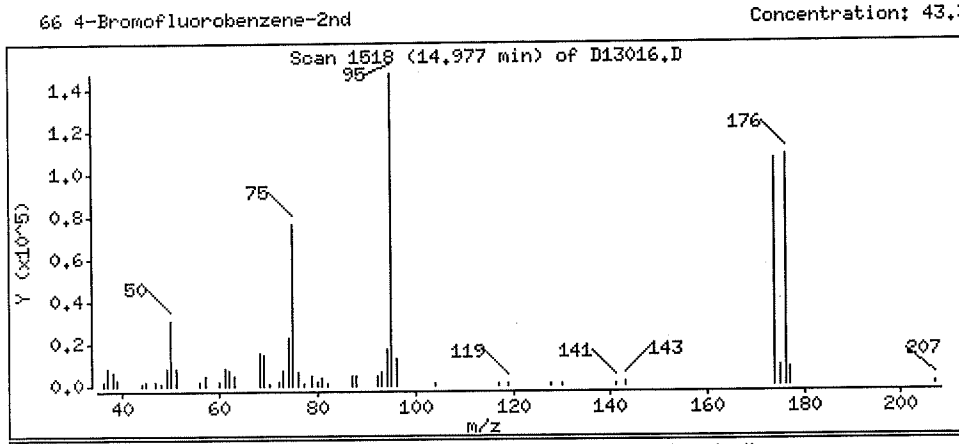
Operator: RRT

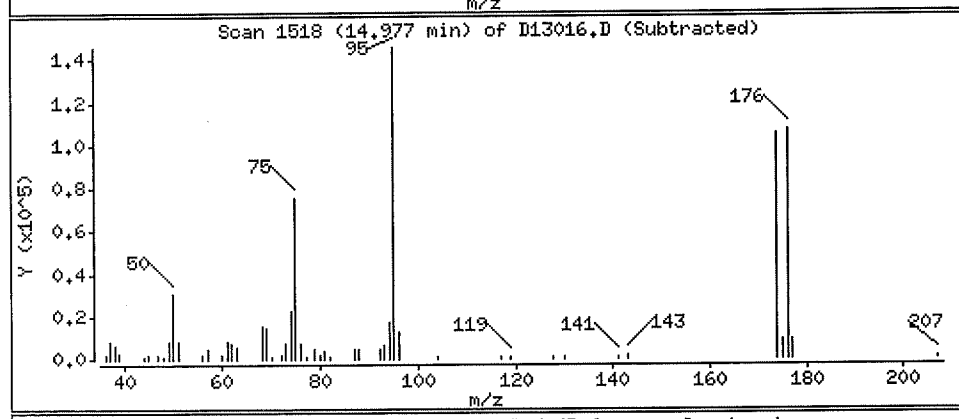
Column phase: J&W DB-624

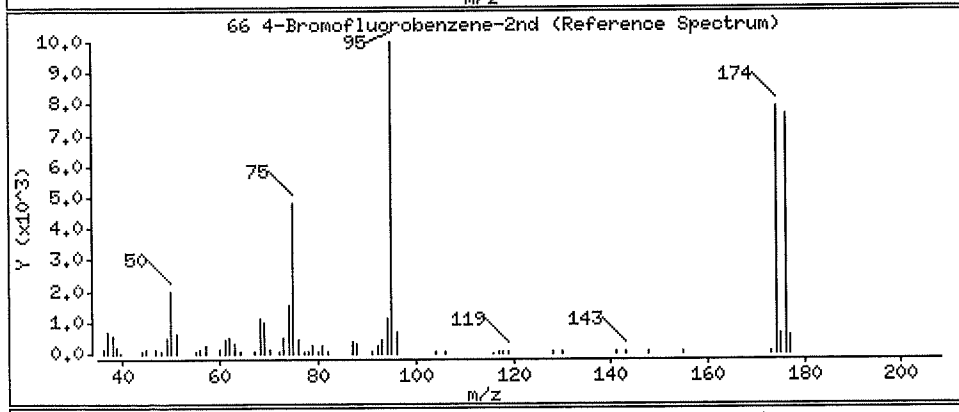
Column diameter: 0.53

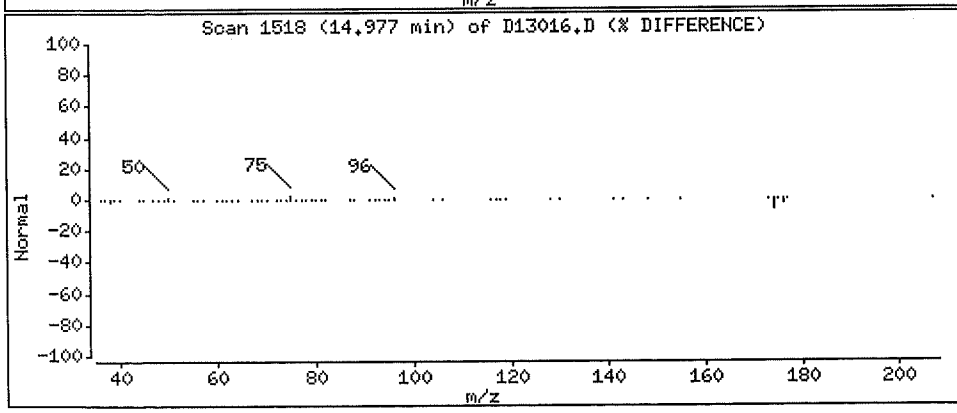
66 4-Bromofluorobenzene-2nd

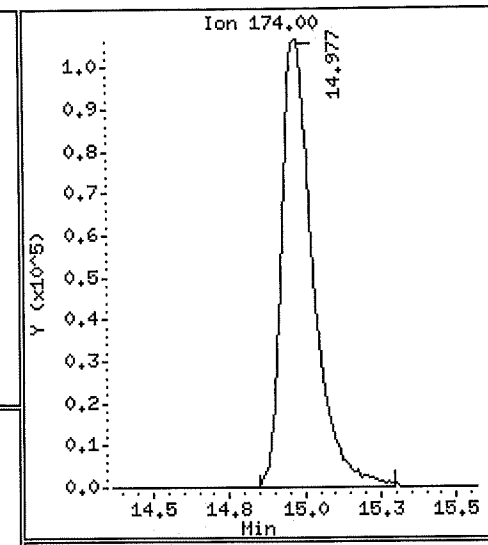
Concentration: 43.38 ug/Kg

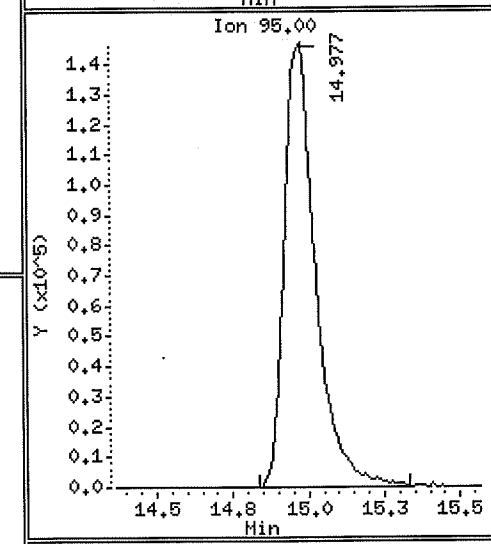


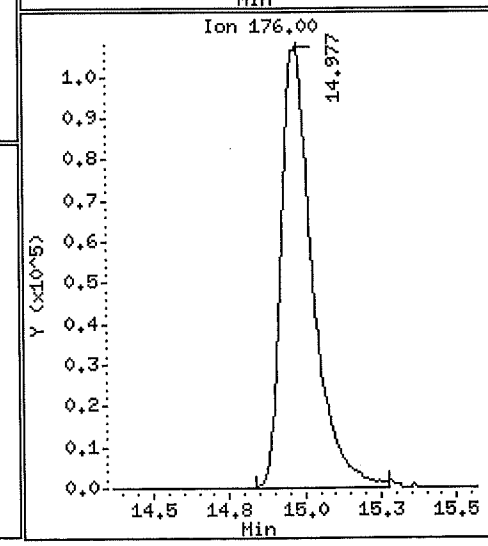












Data File: \\SANP2021\D\CHEM\MD.I\1014AD.B\D13016.D

Date : 14-OCT-2000 12:10

Client ID: D13016

Instrument: md.i

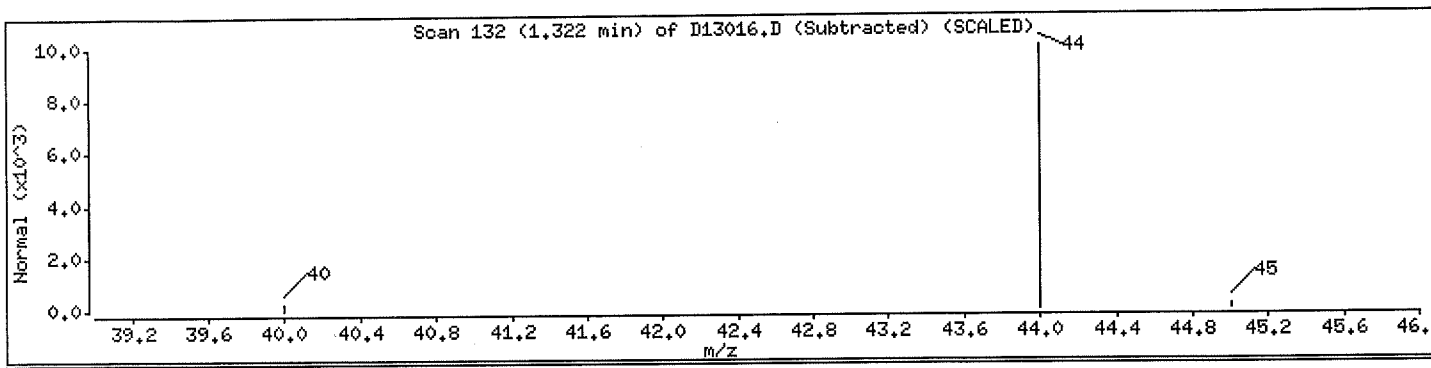
Sample Info: DLH60101,,2,,0,1,0,8260BDA.M,D13016

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



CO2