8260B INITIAL CALIBRATION DATA

DATE ANALYZED: 100400

INSTRUMENT ID: MSD

SAMPLES: E 03030150

BOE-C6-0147385

STL Los Angeles

GC/MS VOA Run Log

FJ 10/16/00

Batch ID: _____

☐ 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: 1004 AD

Init. Cal ID: 8260BDA 9-6-00 | Date: 10-4-00

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
~~8:37~~ 8:15	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	80ppb 8260B	1				137	✓			
10:12		14	80ppb 8260B	1				77	✓			
10:52		DT1562	50ng BFB	—	—	1ul	—	—	✓			STD 1242-2, IS 1240-1, SUR 1252-
11:05		DS2515	80ppb 8260B	1	S	5g	1	148	✓			
12:26		16	5ppb 8260B	2				141	✓			~~1236-1~~
12:58		17	20ppb 8260B	3				151	✓			Sur 1250-1
13:30		18	100ppb 8260B	4				149	✓			Sur 12381
14:02		19	400ppb 8260B	5				149	✓			Inst. Blank
~~14:34~~		DI2712	MB	6				152	✓			Second Source AC 1235-2
15:06		13	1004BADI-LCS-S	7				151	✓			

000311

000088

Version 01/04/99

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

BOE-C6-0147386

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

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\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
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
Cal Date :
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.00
Processing Host: SANP2021

Inst ID: md.i

Quant Type: ISTD
Cal File:
QC Sample: BFB

Compound Sublist: all.sub
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)	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:

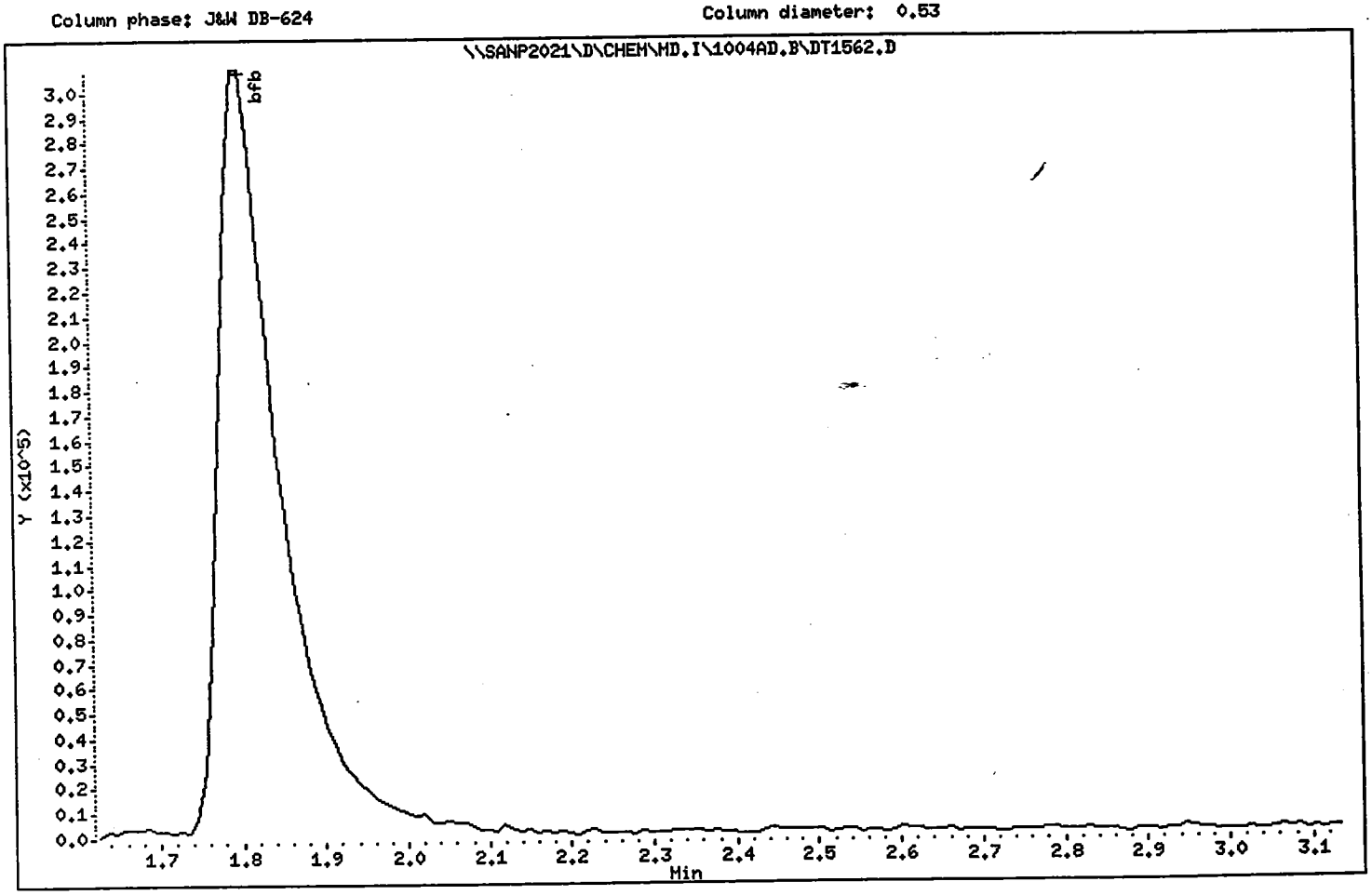
Instrument: md.i

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

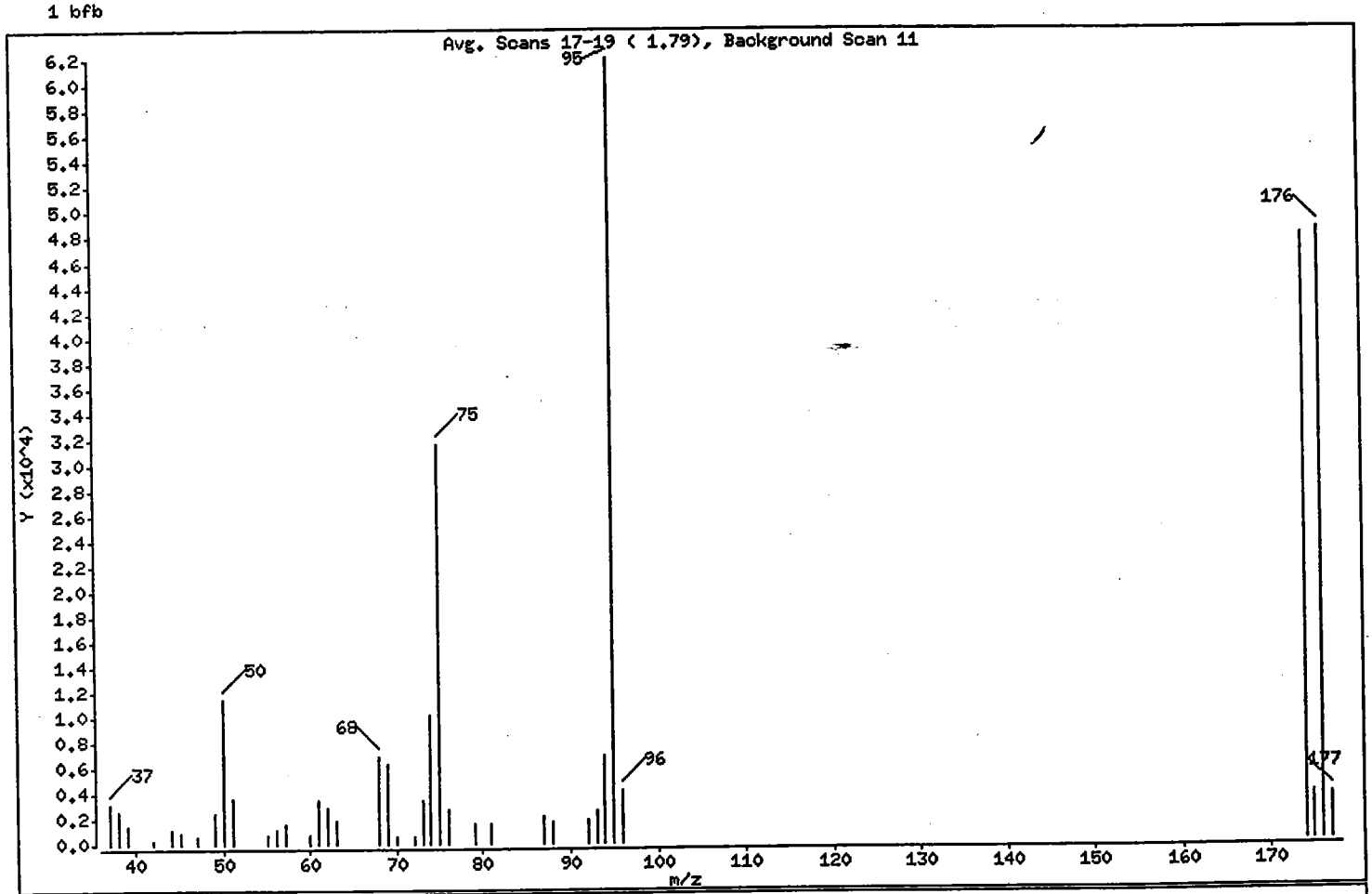
Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

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

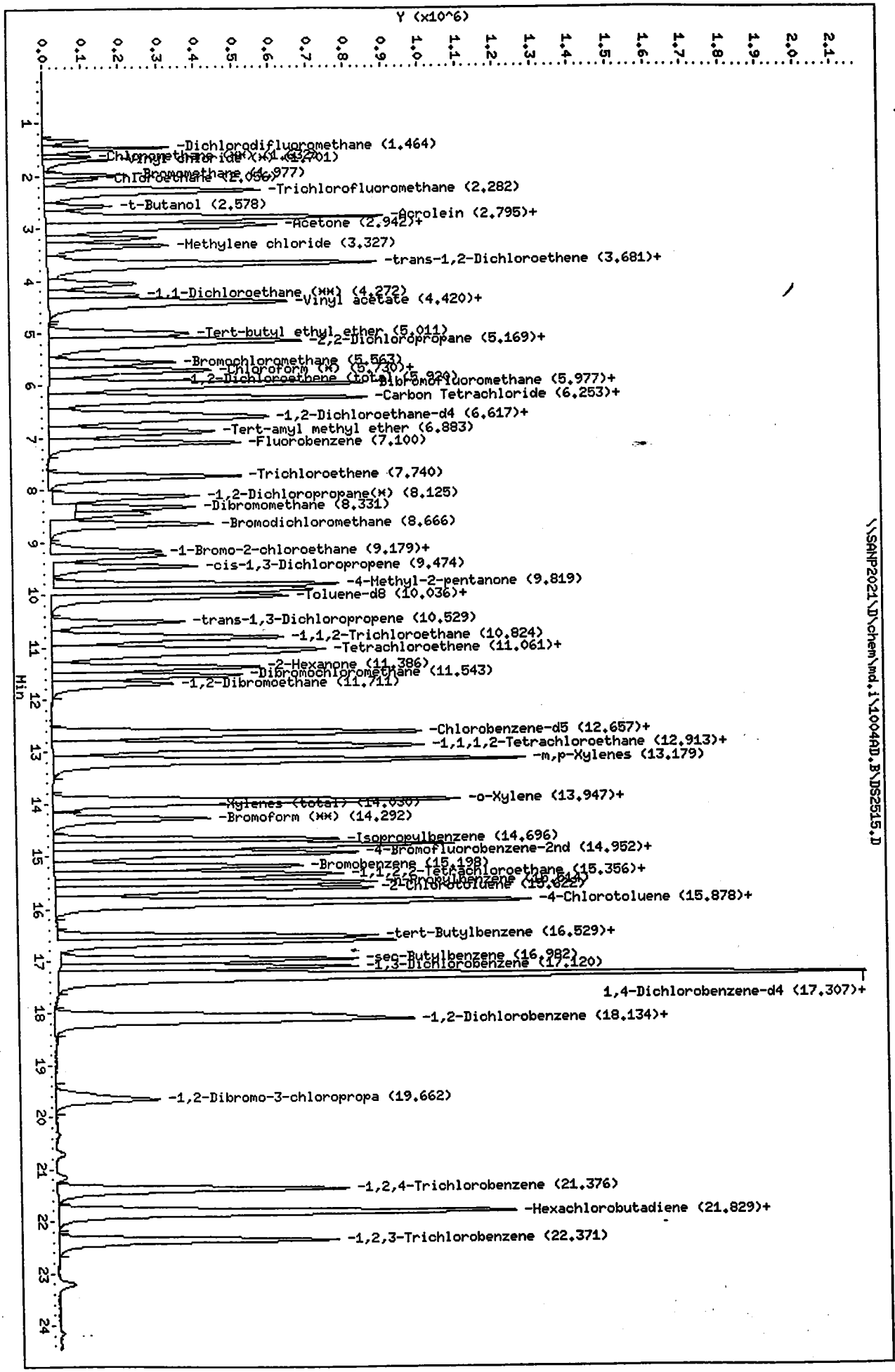
QC Flag Legend

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

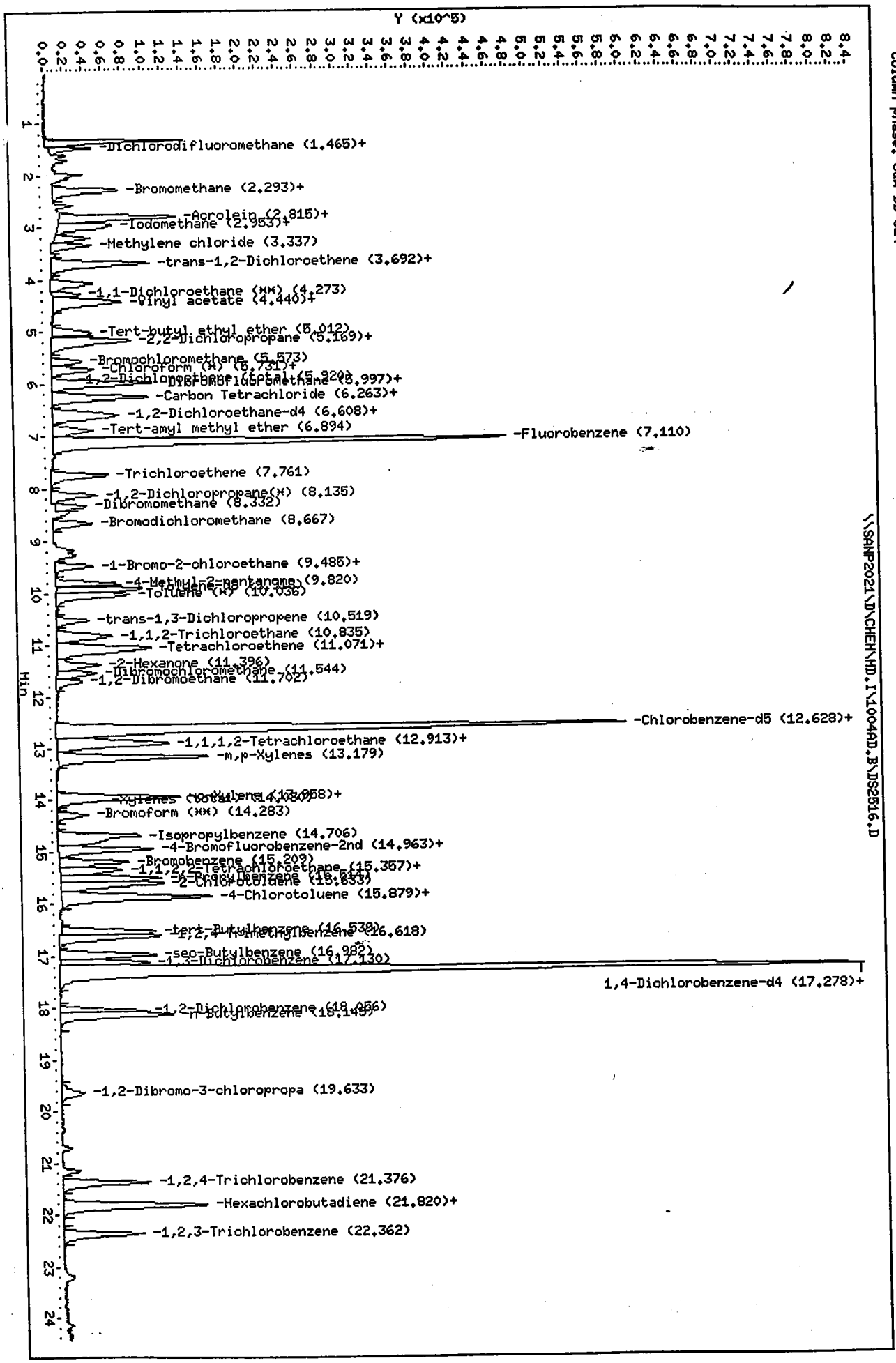
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.968	13.977	(1.106)	127973	5.00000	6.09
M	63 Xylenes (total)	100				249067	15.0000	19.11
	64 Bromoform (**)	173	14.283	14.282	(1.131)	59272	5.00000	4.62(aQ)
	65 Isopropylbenzene	105	14.687	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

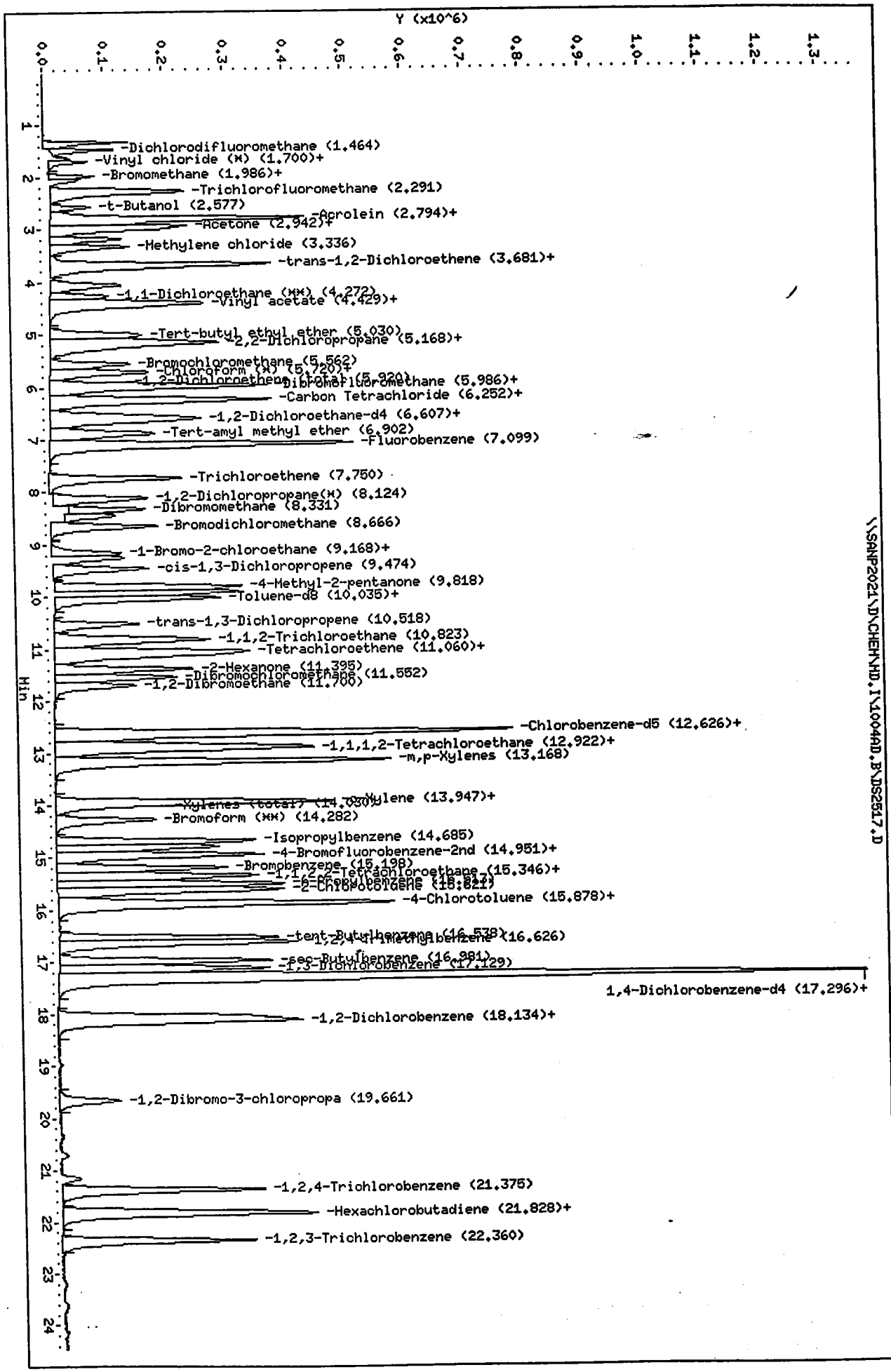
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)	
	62 Styrene	104	13.976	13.977	(1.107)	475476	20.0000	20.55	
M	63 Xylenes (total)	100				907733	60.0000	63.23	
	64 Bromoform (**)	173	14.282	14.282	(1.131)	313113	20.0000	22.17	
	65 Isopropylbenzene	105	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.1
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

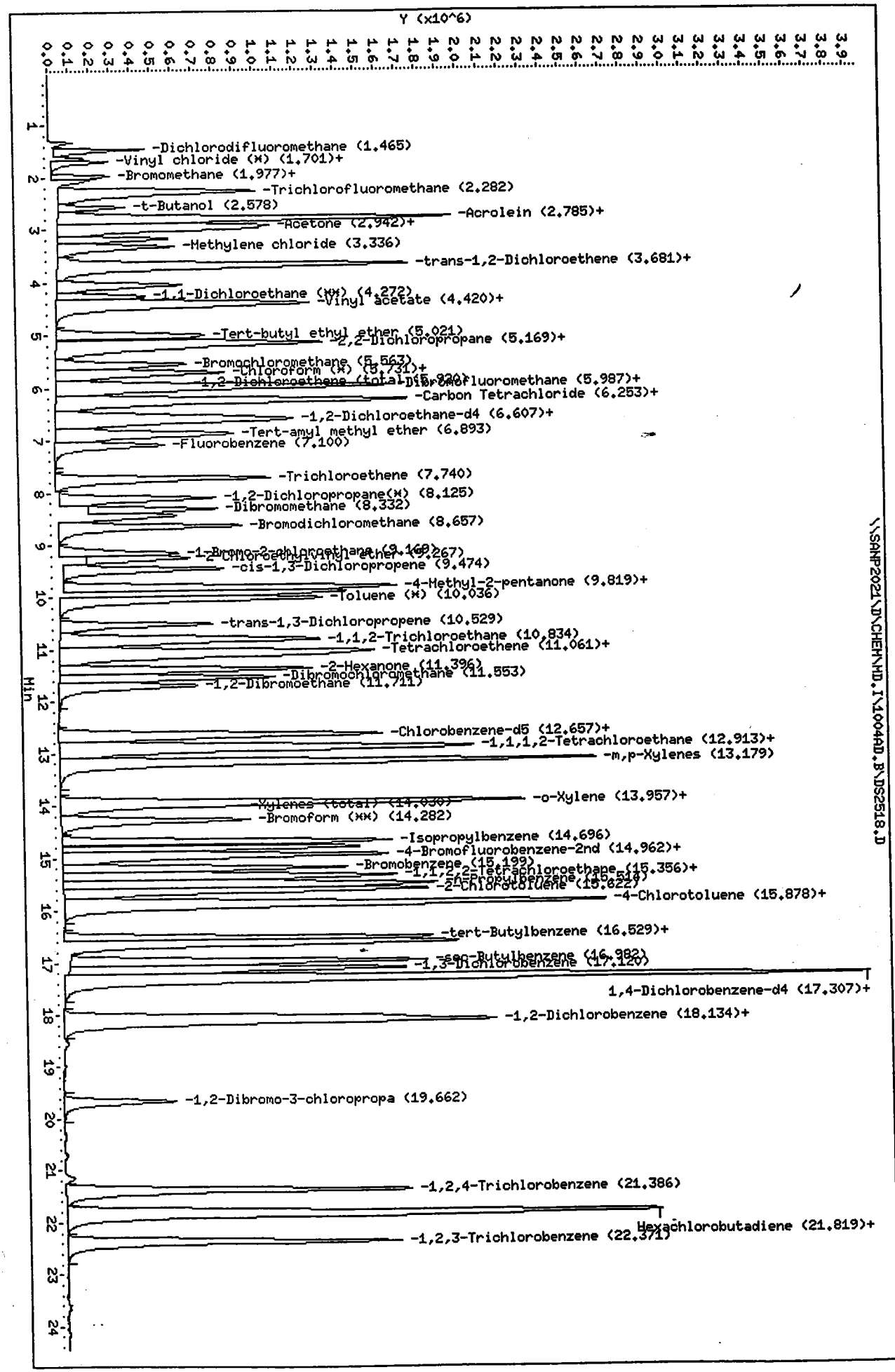
QC Flag Legend

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: CFB
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

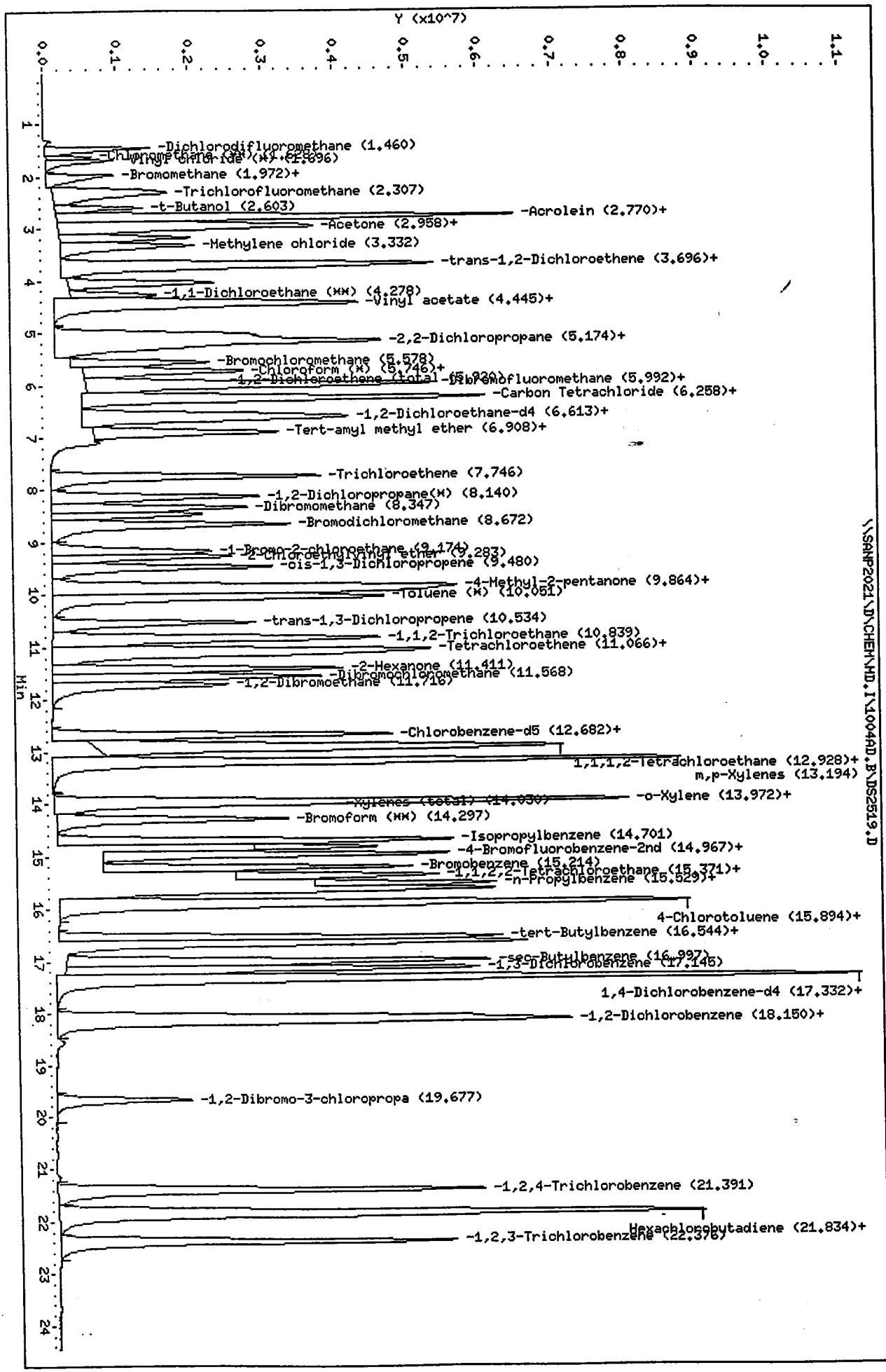
QC Flag Legend

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 SAMPLE / QC DATA

DATE ANALYZED: 100/80

INSTRUMENT ID: MSC

SAMPLES: BOJ030180-30
31

FJK 7/16/00

STL Los Angeles

GC/MS VOA Run Log

Batch ID: 0278511

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

Inst ID: MSC | EM Set: 1600 | Tune File: BFB.U | Seq File: 1004AC | Date: 100400

Init. Cal ID: 8260BCL 092700

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
7:20		CT 1184	50ng BFB	–	–	14	–	–	✓			MSVOA-178-1
7:42		CS 2022	10ppb 8260B	1	1:7	25ml	1	179	✓			IS1240-2, SVR1241-1, STD
8:35		CO 9452	100400ACL-LCS-2	2				172	/			QC1235-2
9:04		53	KB-2	3				161	/			
9:38		54	DLG1G101	3				171	/		2	EO3030150-31
10:28		55	DLFFM101	4				163	/			1 30
10:58		56	DLEH4101	5				155	/			EO3020201-1
11:27		57	DLGL3101	6				133	/			EO3030232-1
11:57		58	DLGL7101	7				153	/			2
12:27		59	DLGL8101	8				139	/			3
12:56		60	DLGKG101	9				140	/			EO3020201-2
13:26		61	DLEKK101	10				112	/			3
13:56		62	DLELE101	11				118	N	✓		High surr 4
14:26		63	DLELJ101	12				122	✓			5
14:55		64	DLELK101	13				94	✓			6
15:25		65	DLELL101	14				139	N	✓		Low 7
15:55		66	DLELM101	15				132	✓			8
16:25		67	DLELN101	16				87	N	✓		Low 9
16:57		68	DLD07103	1		0.5	50	142	N	✓		High surr EO3030156-8
17:27		69	DLGL8102	2		25	1	146	✓			EO3030222-3MD
17:56		70	DLGL8103	3				156	✓			0278256b 3MD
18:26	AM	CO 9471	DLGCN101	4				170	✓			UOJ030238-1

000348

Version 01/04/99

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

BOE-C6-0147423

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA06491

Lab File ID (Standard): CS2022 Date Analyzed: 10/04/00

Instrument ID: MC Time Analyzed: 0742

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

		IS1 AREA #	RT	IS2 (CBZ) AREA #	RT	IS3 (DCB) AREA #	RT
	12 HOUR STD	1799548	8.02	1219652	13.49	735412	18.11
	UPPER LIMIT	3599096	8.52	2439304	13.99	1470824	18.61
	LOWER LIMIT	899774	7.52	609826	12.99	367706	17.61
	EPA SAMPLE NO.						
01	C09452	1732848	8.01	1209142	13.48	724349	18.11
02	C09453	1612540	8.01	1180361	13.48	671248	18.11
03	C09454	1715848	8.01	1131396	13.48	590696	18.13
04	C09455	1634856	8.02	1176681	13.48	648093	18.11
05	C09456	1558194	8.02	1141369	13.49	642539	18.13
06	C09457	1338216	8.01	1006863	13.48	576630	18.12
07	C09458	1539656	8.01	1132463	13.48	647532	18.12
08	C09459	1399371	8.02	1054871	13.49	599637	18.12
09	C09460	1407273	8.02	987513	13.49	539615	18.12
10	C09461	1124266	8.01	836274	13.48	492976	18.12
11	C09462	1184929	8.01	864885	13.48	488041	18.12
12	C09463	1222125	8.01	917436	13.48	537603	18.11
13	C09464	947879	8.01	612137	13.48	327089*	18.13
14	C09465	1399023	8.01	1039551	13.48	602446	18.12
15	C09466	1325541	8.02	977489	13.49	581068	18.12
16	C09467	874808*	8.01	654967	13.48	380064	18.13
17	C09468	1421794	8.02	1064634	13.48	618312	18.12
18	C09469	1463700	8.01	1068239	13.49	657715	18.12
19	C09470	1561323	8.01	1136942	13.48	712490	18.12
20	C09471	1704035	8.02	1297876	13.49	768511	18.12
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.

STL Los Angeles

Data file : \\SANP2010\D\CHEM\MC.I\1004AC.B\CT1189.D
Lab Smp Id:
Inj Date : 04-OCT-2000 07:20
Operator : RRT Inst ID: mc.i
Smp Info : 50NG BFB,BFB,,,,,,BFB.M
Misc Info : ,,,,3,ALL.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1004AC.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
Processing Host: SANP2010

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 p-Bromofluorobenzene						CAS #: 460-00-4		
2.1554	2.1000	(0.000)	95	66290			0.00- 100.00	100.00
2.1554	2.1000	(0.000)	50	13467			15.00- 40.00	20.32
2.1554	2.1000	(0.000)	75	32994			30.00- 60.00	49.77
2.1554	2.1000	(0.000)	96	4898			5.00- 9.00	7.39
2.1554	2.1000	(0.000)	173	0			0.00- 2.00	0.00
2.1554	2.1000	(0.000)	174	61104			50.00- 0.00	92.18
2.1554	2.1000	(0.000)	175	4413			5.00- 9.00	7.22
2.1554	2.1000	(0.000)	176	58282			95.00- 101.00	95.38
2.1554	2.1000	(0.000)	177	4293			5.00- 9.00	7.37

MD
10/4/2000

Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\CT1189.D

Date : 04-OCT-2000 07:20

Client ID:

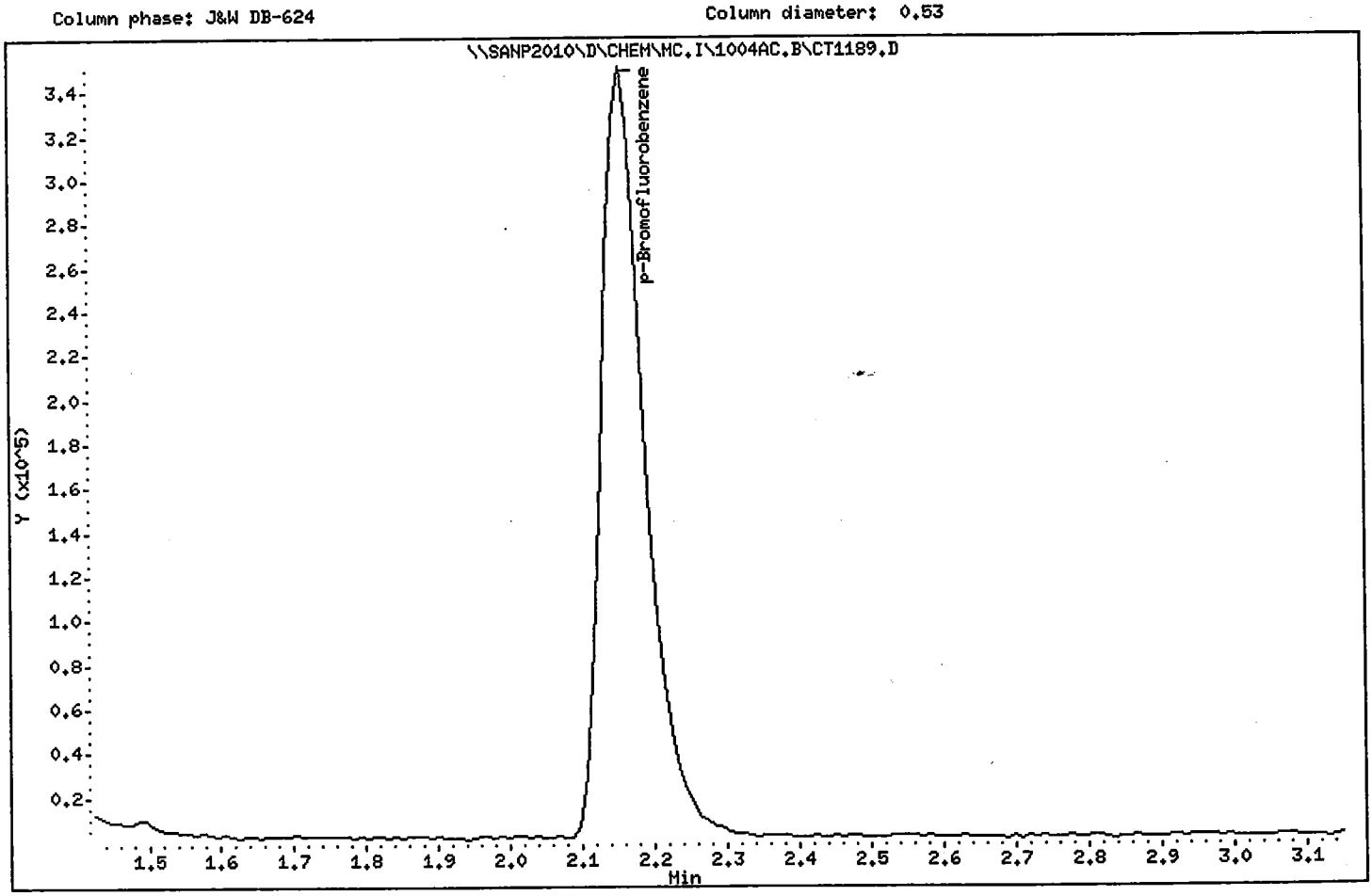
Instrument: mc.i

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

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\CT1189.D

Date : 04-OCT-2000 07:20

Client ID:

Instrument: mc.i

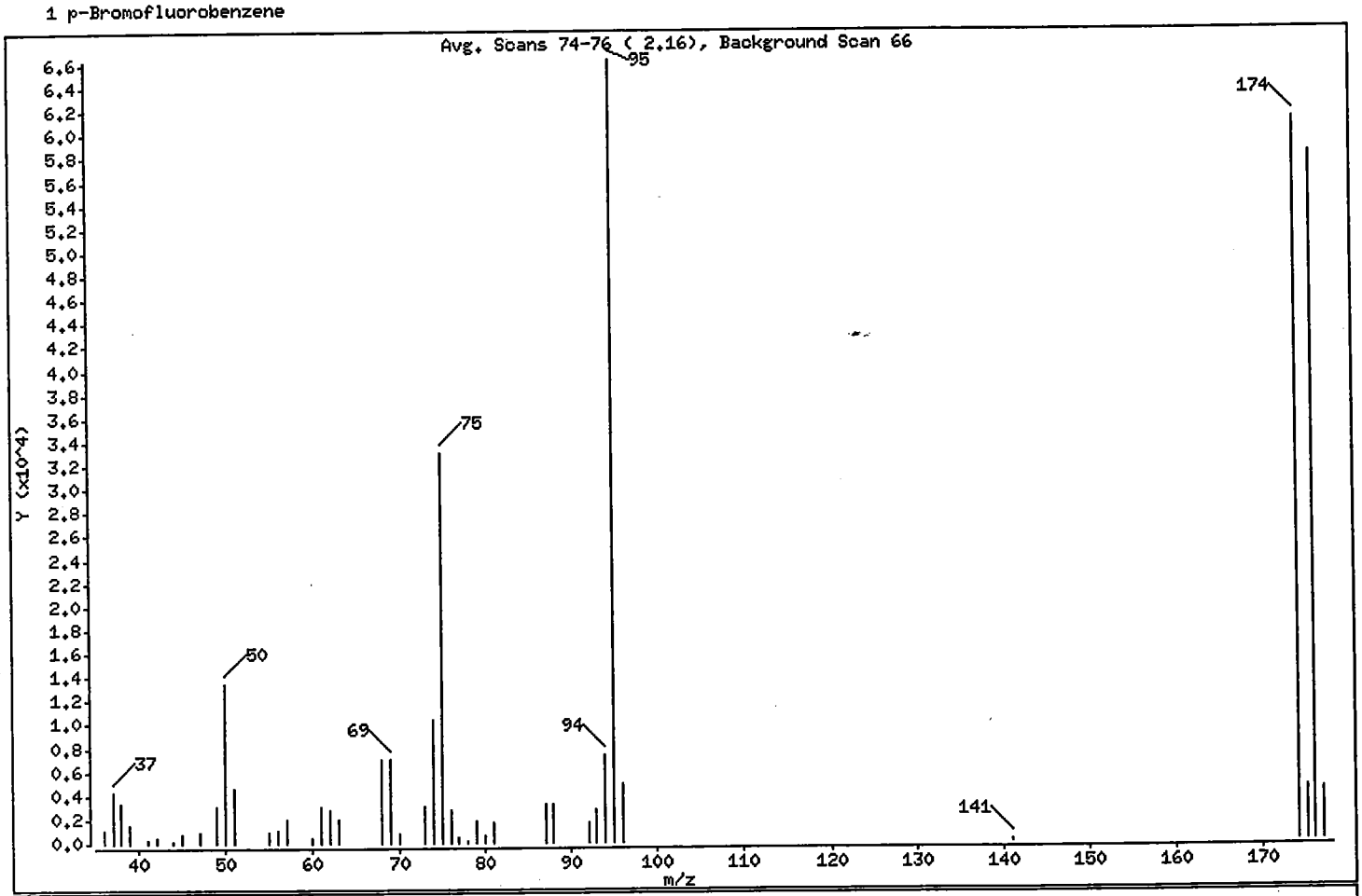
Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: RRT

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	20.32
75	30.00 - 60.00% of mass 95	49.77
96	5.00 - 9.00% of mass 95	7.39
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	92.18
175	5.00 - 9.00% of mass 174	6.66 (7.22)
176	95.00 - 101.00% of mass 174	87.92 (95.38)
177	5.00 - 9.00% of mass 176	6.48 (7.37)

Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\CT1189.D

Date : 04-OCT-2000 07:20

Client ID:

Instrument: mc.i

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

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Data File: CT1189.D
Spectrum: Avg. Scans 74-76 (2.16), Background Scan 66
Location of Maximum: 95.00
Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1047	51.00	4497	73.00	3077	92.00	1739
37.00	4307	55.00	923	74.00	10336	93.00	2773
38.00	3319	56.00	1054	75.00	32992	94.00	7300
39.00	1548	57.00	1908	76.00	2809	95.00	66288
41.00	361	60.00	444	77.00	406	96.00	4898
42.00	434	61.00	3098	78.00	168	141.00	218
44.00	163	62.00	2768	79.00	1790	174.00	61104
45.00	774	63.00	1967	80.00	624	175.00	4413
47.00	858	68.00	6984	81.00	1689	176.00	58280
49.00	3017	69.00	7043	87.00	3162	177.00	4293
50.00	13467	70.00	726	88.00	3135		

Data File: \\SANP2010\D\chem\mc.i\1004AC.B\CS2022.D
Report Date: 05-Oct-2000 21:28

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i
Lab File ID: CS2022.D
Analysis Type: WATER
Lab Sample ID: 10PPB 8260BSTD Quant Type: ISTD
Method: \\SANP2010\D\chem\mc.i\1004AC.B\8260BCL.m

Injection Date: 04-OCT-2000 07:42
Init. Cal. Date(s): 27-SEP-2000 27-SEP-2000
Init. Cal. Times: 17:29 19:58

	COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D	
	1 Dichlorodifluoromethane	0.36231	0.53030	0.010	46.4	50.0	
	2 Chloromethane (**)	0.20387	0.23102	0.100	13.3	50.0	
	3 Vinyl chloride (*)	0.24555	0.28001	0.010	14.0	20.0	
	4 Bromomethane	0.18303	0.28393	0.010	55.1	50.0	<-
	5 Chloroethane	0.14594	0.17905	0.010	22.7	50.0	
	6 Trichlorofluoromethane	0.53727	0.68984	0.010	28.4	50.0	
	7 Acrolein	0.01917	0.01754	0.010	-8.5	50.0	
	8 1,1-Dichloroethene(*)	0.27204	0.29573	0.010	8.7	20.0	
	9 1,1,2-Trichlorotrifluoroeth	0.41107	0.42741	0.010	4.0	50.0	
	10 Iodomethane	0.42711	0.43199	0.010	1.1	50.0	
	11 Acetone	0.01732	0.02154	0.010	24.4	50.0	
	12 Carbon disulfide	0.85039	0.82779	0.010	-2.7	50.0	
	13 Methylene chloride	0.22043	0.24439	0.010	10.9	50.0	
	14 Acrylonitrile	0.00289	0.00298	0.010	3.1	50.0	<-
	15 t-Butanol	0.00384	0.00332	0.010	-13.4	20.0	<-
	16 Vinyl acetate	0.27887	0.23083	0.010	-17.2	50.0	
	17 trans-1,2-Dichloroethene	0.30605	0.33938	0.010	10.9	20.0	
	18 Methyl-tert-butyl ether[MTB	0.24132	0.23891	0.010	-1.0	50.0	
	19 1,1-Dichloroethane (**)	0.45396	0.48294	0.100	6.4	20.0	
	20 Isopropyl ether	0.67543	0.66498	0.010	-1.5	20.0	
	21 Tert-butyl ethyl ether	0.47486	0.48765	0.010	2.7	20.0	
M	22 1,2-Dichloroethene (total)	0.29621	0.32582	0.010	10.0	20.0	
	23 2,2-Dichloropropane	0.16864	0.08478	0.010	-49.7	50.0	
	24 cis-1,2-Dichloroethene	0.28637	0.31226	0.010	9.0	20.0	
	25 2-Butanone	0.02045	0.01873	0.010	-8.4	50.0	
	26 Bromochloromethane	0.12588	0.12660	0.010	0.6	50.0	
	27 Tetrahydrofuran	0.01161	0.01324	0.010	14.0	50.0	
	28 Chloroform (*)	0.55287	0.63599	0.010	15.0	20.0	
$	29 Dibromofluoromethane	0.47843	0.53394	0.010	11.6	50.0	
	30 1,1,1-Trichloroethane	0.49282	0.58183	0.010	18.1	20.0	
	31 Carbon Tetrachloride	0.45196	0.57356	0.010	26.9	20.0	<-
	32 1,1-Dichloropropene	0.46455	0.50189	0.010	8.0	50.0	
$	33 1,2-Dichloroethane-d4	0.18806	0.21296	0.010	13.2	50.0	
	34 1,2-Dichloroethane-d4 2nd	0.04628	0.05589	0.010	20.8	50.0	
	35 Benzene	0.76076	0.82347	0.010	8.2	20.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i Injection Date: 04-OCT-2000 07:42
Lab File ID: CS2022.D Init. Cal. Date(s): 27-SEP-2000 27-SEP-2000
Analysis Type: WATER Init. Cal. Times: 17:29 19:58
Lab Sample ID: 10PPB 8260BSTD Quant Type: ISTD
Method: \\SANP2010\D\chem\mc.i\1004AC.B\8260BCL.m

	COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D	
	36 1,2-Dichloroethane	0.21170	0.24206	0.010	14.3	20.0	
	37 Tert-amyl methyl ether	0.35364	0.37439	0.010	5.9	20.0	
	39 Trichloroethene	0.42668	0.47032	0.010	10.2	20.0	
	40 1,2-Dichloropropane(*)	0.26780	0.26900	0.010	0.4	20.0	
	41 Dibromomethane	0.15528	0.16020	0.010	3.2	50.0	
	42 Bromodichloromethane	0.40901	0.47451	0.010	16.0	20.0	
	43 2-Chloroethylvinyl ether	0.00468	0.00787	0.010	68.0	50.0	<-
	44 1-Bromo-2-chloroethane	0.29568	0.27934	0.010	-5.5	50.0	
	45 cis-1,3-Dichloropropene	0.27749	0.27248	0.010	-1.8	50.0	
	46 4-Methyl-2-pentanone	0.06707	0.06080	0.010	-9.3	50.0	
$	47 Toluene-d8	1.14844	1.19033	0.010	3.6	50.0	
	48 Toluene (*)	1.30446	1.44269	0.010	10.6	20.0	
	49 trans-1,3-Dichloropropene	0.21951	0.23490	0.010	7.0	50.0	
	50 1,1,2-Trichloroethane	0.21415	0.24033	0.010	12.2	50.0	
	51 Tetrachloroethene	0.61163	0.70131	0.010	14.7	20.0	
	52 1,3-Dichloropropane	0.34326	0.37722	0.010	9.9	50.0	
	53 2-Hexanone	0.05969	0.05436	0.010	-8.9	50.0	
	54 Dibromochloromethane	0.39603	0.45975	0.010	16.1	50.0	
	55 1,2-Dibromoethane	0.28073	0.28150	0.010	0.3	50.0	
	57 Chlorobenzene (**)	0.97241	1.06593	0.300	9.6	50.0	
	58 1,1,1,2-Tetrachloroethane	0.42802	0.51379	0.010	20.0	50.0	
	59 Ethylbenzene (*)	0.47122	0.53719	0.010	14.0	20.0	
	60 m,p-Xylenes	0.58435	0.67590	0.010	15.7	20.0	
M	61 Xylenes (total)	0.56930	0.66002	0.010	15.9	20.0	
	62 o-Xylene	0.53922	0.62827	0.010	16.5	20.0	
	63 Styrene	0.78423	0.92299	0.010	17.7	50.0	
	64 Bromoform (**)	0.21919	0.26715	0.100	21.9	50.0	
	65 Isopropylbenzene	1.77176	2.03859	0.010	15.1	50.0	
$	66 4-Bromofluorobenzene	0.65960	0.70753	0.010	7.3	50.0	
	67 4-Bromofluorobenzene-2nd	0.55850	0.62450	0.010	11.8	50.0	
	68 Bromobenzene	0.86374	0.90560	0.010	4.8	50.0	
	69 1,1,2,2-Tetrachloroethane(*	0.46342	0.47103	0.300	1.6	50.0	
	70 1,2,3-Trichloropropane	0.10416	0.11851	0.010	13.8	50.0	
	71 n-Propylbenzene	3.64677	3.86422	0.010	6.0	50.0	
	72 2-Chlorotoluene	0.74931	0.79009	0.010	5.4	50.0	
	73 4-Chlorotoluene	0.73581	0.77382	0.010	5.2	50.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i Injection Date: 04-OCT-2000 07:42
Lab File ID: CS2022.D Init. Cal. Date(s): 27-SEP-2000 27-SEP-2000
Analysis Type: WATER Init. Cal. Times: 17:29 19:58
Lab Sample ID: 10PPB 8260BSTD Quant Type: ISTD
Method: \\SANP2010\D\chem\mc.i\1004AC.B\8260BCL.m

COMPOUND	RRF	RF10	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.43647	2.65808	0.010	9.1	50.0
75 tert-Butylbenzene	2.69886	2.86422	0.010	6.1	50.0
76 1,2,4-Trimethylbenzene	2.38611	2.58105	0.010	8.2	50.0
77 sec-Butylbenzene	3.76659	3.99210	0.010	6.0	50.0
78 1,3-Dichlorobenzene	1.53929	1.63400	0.010	6.2	50.0
80 p-Isopropyltoluene	2.92008	3.21825	0.010	10.2	50.0
81 1,4-Dichlorobenzene	1.55231	1.71554	0.010	10.5	50.0
82 1,2-Dichlorobenzene	1.25473	1.31375	0.010	4.7	50.0
83 n-Butylbenzene	3.03104	3.25653	0.010	7.4	50.0
84 1,2-Dibromo-3-chloropropane	0.08929	0.08605	0.010	-3.6	50.0
85 1,2,4-Trichlorobenzene	1.15380	1.17238	0.010	1.6	50.0
86 Hexachlorobutadiene	1.36023	1.51790	0.010	11.6	50.0
87 Napthalene	0.79178	0.78648	0.010	-0.7	20.0
88 1,2,3-Trichlorobenzene	0.86787	0.88362	0.010	1.8	50.0

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2010\D\chem\mc.i\1004AC.B/CS2022.D
Inj. Date : 04-OCT-2000 07:42

ICAL Mid Point : //SANP2010/D/chem/mc.i/0927BC.B/CS2014.D/CS2012.D
Inj. Date : 27-SEP-2000 18:58

IS NAME	ICAL RT	CCV RT	DIFF.	ICAL AREA	CCV AREA	%DIFF.
Fluorobenzene	8.01	8.02	-0.00	2369424	1799548	75.9%
Chlorobenzene-d5	13.49	13.49	0.01	1684151	1219652	72.4%
1,4-Dichlorobenzene-d4	18.11	18.11	0.01	999314	735412	73.6%

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2022.D
Lab Smp Id: 10PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Misc Info: ,25,,,2,1-8260B.SUB

Calibration Date: 04-OCT-2000
Calibration Time: 07:42

Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1799548	899774	3599096	1799548	0.00
56 Chlorobenzene-d5	1219652	609826	2439304	1219652	0.00
79 1,4-Dichlorobenze	735412	367706	1470824	735412	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

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1004AC.B\CS2022.D
Lab Smp Id: 10PPB 8260BSTD
Inj Date : 04-OCT-2000 07:42
Operator : RRT Inst ID: mc.i
Smp Info : 10PPB 8260BSTD,,,3,0,,,8260BCL.M
Misc Info : ,25,,,2,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Meth Date : 04-Oct-2000 08:07 DONGA Quant Type: ISTD
Cal Date : 27-SEP-2000 19:58 Cal File: CS2014.D
Als bottle: 1 Continuing Calibration Sample
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	1.855	1.855	(0.231)	954300	10.0000	14.64
2 Chloromethane (**)	50	2.072	2.072	(0.259)	415740	10.0000	11.33
3 Vinyl chloride (*)	62	2.151	2.151	(0.268)	503899	10.0000	11.86
4 Bromomethane	94	2.496	2.496	(0.311)	510941	10.0000	15.51
5 Chloroethane	64	2.604	2.604	(0.325)	322202	10.0000	12.27
6 Trichlorofluoromethane	101	2.900	2.900	(0.362)	1238034	10.0000	12.80
7 Acrolein	56	4.999	4.999	(0.624)	315656	100.000	91.51
8 1,1-Dichloroethene(*)	96	3.491	3.491	(0.436)	532184	10.0000	10.87
9 1,1,2-Trichlorotrifluoroethan	151	3.511	3.511	(0.438)	769138	10.0000	10.40
10 Iodomethane	142	3.689	3.689	(0.460)	1557540	20.0000	20.26
11 Acetone	43	3.551	3.551	(0.443)	193824	50.0000	62.18
12 Carbon disulfide	76	3.777	3.777	(0.471)	1490061	10.0000	9.74
13 Methylene chloride	84	4.152	4.152	(0.518)	439798	10.0000	11.09
14 Acrylonitrile	53	7.424	7.424	(0.926)	53544	100.000	103.1
15 t-Butanol	59	4.398	4.398	(0.549)	23924	40.0000	34.64(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 Vinyl acetate	43	5.344	5.344	(0.667)	831466	20.0000	16.57
	17 trans-1,2-Dichloroethene	96	4.566	4.566	(0.570)	610734	10.0000	11.09
	18 Methyl-tert-butyl ether[MTBE]	73	4.595	4.595	(0.573)	429933	10.0000	9.90
	19 1,1-Dichloroethane (**)	63	5.187	5.187	(0.647)	869065	10.0000	10.64
	20 Isopropyl ether	45	5.374	5.374	(0.670)	1200073	10.0000	9.87
	21 Tert-butyl ethyl ether	59	5.936	5.936	(0.741)	877545	10.0000	10.27
M	22 1,2-Dichloroethene (total)	100				1172660	20.0000	21.99
	23 2,2-Dichloropropane	77	6.074	6.074	(0.758)	152567	10.0000	5.03
	24 cis-1,2-Dichloroethene	96	6.103	6.103	(0.761)	561925	10.0000	10.90
	25 2-Butanone	43	6.153	6.153	(0.768)	174127	50.0000	47.32
	26 Bromochloromethane	128	6.478	6.478	(0.808)	227822	10.0000	10.06
	27 Tetrahydrofuran	42	6.586	6.586	(0.822)	23833	10.0000	11.40
	28 Chloroform (*)	83	6.636	6.636	(0.828)	1144485	10.0000	11.50
$	29 Dibromofluoromethane	111	6.892	6.892	(0.860)	960849	10.0000	11.16
	30 1,1,1-Trichloroethane	97	6.912	6.912	(0.862)	1047027	10.0000	11.81
	31 Carbon Tetrachloride	117	7.197	7.197	(0.898)	1032153	10.0000	12.69
	32 1,1-Dichloropropene	75	7.197	7.197	(0.898)	904664	10.0000	10.82
$	33 1,2-Dichloroethane-d4	65	7.434	7.434	(0.927)	383235	10.0000	11.32
	34 1,2-Dichloroethane-d4 2nd	102	7.444	7.444	(0.929)	100574	10.0000	12.08
	35 Benzene	78	7.532	7.532	(0.940)	1481881	10.0000	10.82
	36 1,2-Dichloroethane	62	7.552	7.552	(0.942)	435591	10.0000	11.43
	37 Tert-amyl methyl ether	73	7.798	7.798	(0.973)	656967	10.0000	10.32
*	38 Fluorobenzene	96	8.015	8.015	(1.000)	1799548	10.0000	
	39 Trichloroethene	130	8.656	8.656	(1.080)	846358	10.0000	11.02
	40 1,2-Dichloropropane(*)	63	9.011	9.011	(1.124)	484077	10.0000	10.04
	41 Dibromomethane	93	9.218	9.218	(1.150)	288292	10.0000	10.32
	42 Bromodichloromethane	83	9.533	9.533	(1.189)	853898	10.0000	11.60
	43 2-Chloroethylvinyl ether	106	10.124	10.124	(1.263)	28308	20.0000	33.60(Q)
	44 1-Bromo-2-chloroethane	63	10.046	10.046	(1.253)	502691	10.0000	9.45
	45 cis-1,3-Dichloropropene	75	10.341	10.341	(1.290)	490339	10.0000	9.82
	46 4-Methyl-2-pentanone	43	10.657	10.657	(1.330)	547039	50.0000	45.33
$	47 Toluene-d8	98	10.824	10.824	(0.803)	1441551	10.0000	10.29
	48 Toluene (*)	91	10.942	10.942	(0.811)	1747171	10.0000	10.98
	49 trans-1,3-Dichloropropene	75	11.366	11.366	(0.843)	281972	10.0000	10.53
	50 1,1,2-Trichloroethane	97	11.682	11.682	(0.866)	291048	10.0000	11.14
	51 Tetrachloroethene	164	11.948	11.948	(0.886)	849322	10.0000	11.38
	52 1,3-Dichloropropane	76	11.967	11.967	(0.887)	455542	10.0000	10.88
	53 2-Hexanone	43	12.204	12.204	(0.905)	329134	50.0000	45.21
	54 Dibromochloromethane	129	12.391	12.391	(0.919)	556780	10.0000	11.53
	55 1,2-Dibromoethane	107	12.569	12.569	(0.932)	340907	10.0000	9.96
*	56 Chlorobenzene-d5	117	13.485	13.485	(1.000)	1219652	10.0000	
	57 Chlorobenzene (**)	112	13.535	13.535	(1.004)	1290892	10.0000	10.88
	58 1,1,1,2-Tetrachloroethane	131	13.712	13.712	(1.017)	622224	10.0000	11.92
	59 Ethylbenzene (*)	106	13.791	13.791	(1.023)	655490	10.0000	11.40
	60 m,p-Xylenes	106	14.027	14.027	(1.040)	1637086	20.0000	22.97
M	61 Xylenes (total)	100				2397948	30.0000	34.54
	62 o-Xylene	106	14.776	14.776	(1.096)	760861	10.0000	11.57

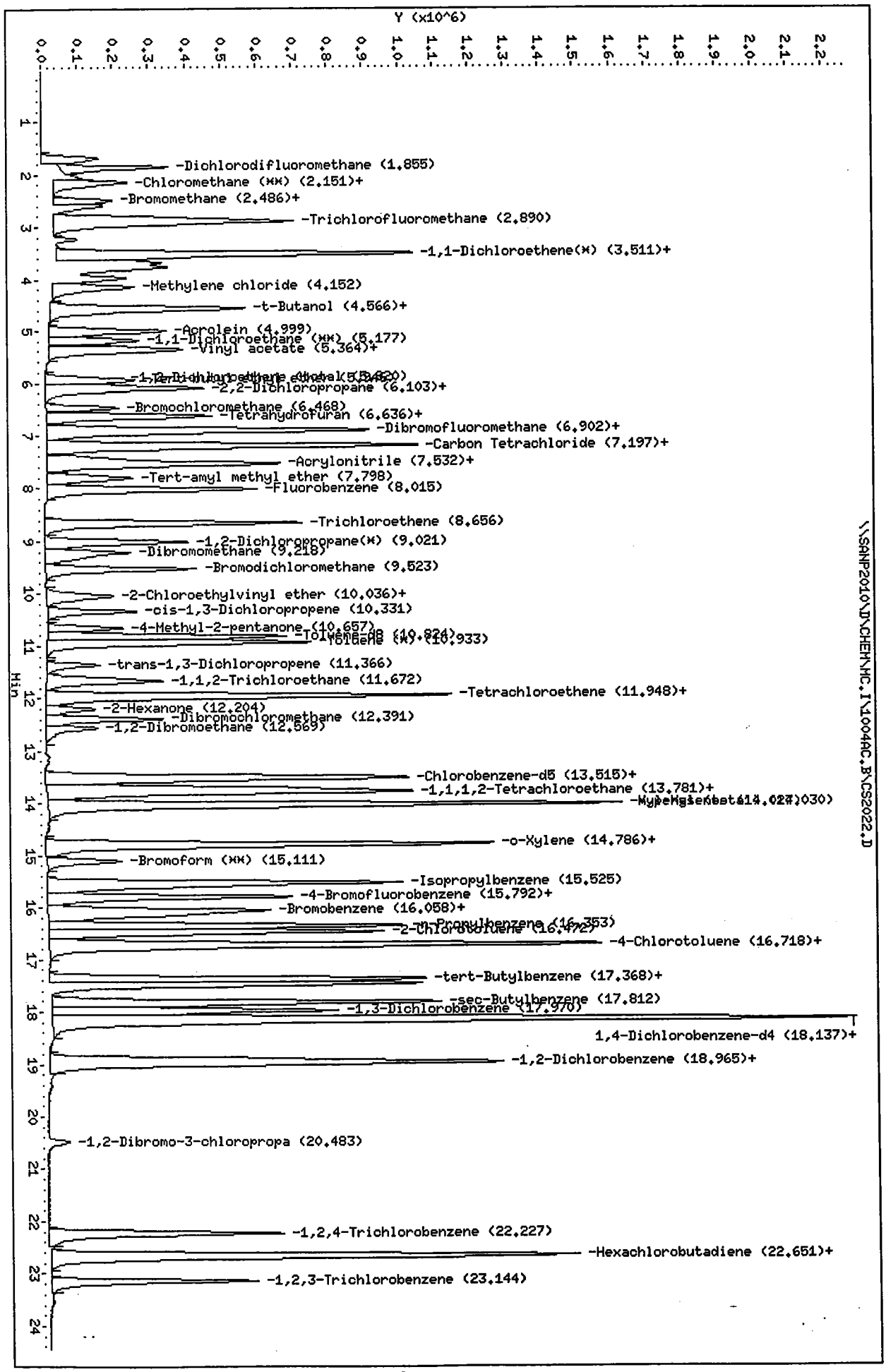
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
63 Styrene	104	14.806	14.806	(1.098)	1117785	10.0000	11.69
64 Bromoform (**)	173	15.111	15.111	(1.121)	323521	10.0000	12.10
65 Isopropylbenzene	105	15.525	15.525	(1.151)	2468834	10.0000	11.42
$ 66 4-Bromofluorobenzene	95	15.792	15.792	(1.171)	856858	10.0000	10.65
67 4-Bromofluorobenzene-2nd	174	15.792	15.792	(1.171)	756296	10.0000	11.10
68 Bromobenzene	156	16.048	16.048	(0.886)	673897	10.0000	10.61
69 1,1,2,2-Tetrachloroethane(**)	83	16.117	16.117	(0.890)	350515	10.0000	10.28
70 1,2,3-Trichloropropane	110	16.176	16.176	(0.893)	88185	10.0000	11.51(Q)
71 n-Propylbenzene	91	16.353	16.353	(0.903)	2725585	10.0000	10.16
72 2-Chlorotoluene	126	16.472	16.472	(0.910)	587944	10.0000	10.67
73 4-Chlorotoluene	126	16.688	16.688	(0.922)	575837	10.0000	10.64
74 1,3,5-Trimethylbenzene	105	16.738	16.738	(0.924)	1972570	10.0000	11.01
75 tert-Butylbenzene	119	17.368	17.368	(0.959)	2133340	10.0000	10.75
76 1,2,4-Trimethylbenzene	105	17.467	17.467	(0.965)	1920675	10.0000	10.94
77 sec-Butylbenzene	105	17.812	17.812	(0.984)	3002676	10.0000	10.84
78 1,3-Dichlorobenzene	146	17.970	17.970	(0.992)	1215934	10.0000	10.74
* 79 1,4-Dichlorobenzene-d4	152	18.108	18.108	(1.000)	735412	10.0000	(Q)
80 p-Isopropyltoluene	119	18.137	18.137	(1.002)	2392029	10.0000	11.14
81 1,4-Dichlorobenzene	146	18.157	18.157	(1.003)	1278818	10.0000	11.20
82 1,2-Dichlorobenzene	146	18.896	18.896	(1.044)	977621	10.0000	10.59
83 n-Butylbenzene	91	18.965	18.965	(1.047)	2423333	10.0000	10.87
84 1,2-Dibromo-3-chloropropane	157	20.483	20.483	(1.131)	64038	10.0000	9.75
85 1,2,4-Trichlorobenzene	180	22.227	22.227	(1.228)	872418	10.0000	10.28
86 Hexachlorobutadiene	225	22.651	22.651	(1.251)	1129842	10.0000	11.29
87 Napthalene	128	22.691	22.691	(1.253)	585259	10.0000	10.05
88 1,2,3-Trichlorobenzene	180	23.134	23.134	(1.278)	657544	10.0000	10.30

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\CS2022.D
Date : 04-OCT-2000 07:42
Client ID:
Sample Info: 10PPB 8260BSTD,,,3,0,,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

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



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1004AC.B\C09452.D
Lab Smp Id: LCS-1004AC Client Smp ID: C09452
Inj Date : 04-OCT-2000 08:35
Operator : RRT Inst ID: mc.i
Smp Info : LCS-1004AC,LCS,1,,0,1,0,8260BCL.M,C09452
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Meth Date : 04-Oct-2000 08:07 DONGA Quant Type: ISTD
Cal Date : 27-SEP-2000 19:58 Cal File: CS2014.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.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	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
8 1,1-Dichloroethene(*)	96	3.497	3.491	(0.437)	468670	9.94205	9.94
$ 29 Dibromofluoromethane	111	6.887	6.892	(0.860)	956187	11.5336	11.53
$ 33 1,2-Dichloroethane-d4	65	7.420	7.434	(0.926)	373284	11.4546	11.45
34 1,2-Dichloroethane-d4 2nd	102	7.420	7.444	(0.926)	98341	12.2617	12.26
35 Benzene	78	7.528	7.532	(0.940)	1322965	10.0356	10.04
* 38 Fluorobenzene	96	8.011	8.015	(1.000)	1732848	10.0000	
39 Trichloroethene	130	8.651	8.656	(1.080)	734034	9.92785	9.93
$ 47 Toluene-d8	98	10.820	10.824	(0.803)	1475011	10.6220	10.62
48 Toluene (*)	91	10.938	10.942	(0.811)	1532416	9.71560	9.72
* 56 Chlorobenzene-d5	117	13.481	13.485	(1.000)	1209142	10.0000	
57 Chlorobenzene (**)	112	13.530	13.535	(1.004)	1142364	9.71583	9.72
$ 66 4-Bromofluorobenzene	95	15.787	15.792	(1.171)	858280	10.7614	10.76
67 4-Bromofluorobenzene-2nd	174	15.787	15.792	(1.171)	761457	11.2758	11.28
* 79 1,4-Dichlorobenzene-d4	152	18.113	18.108	(1.000)	724349	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09452.D
Lab Smp Id: LCS-1004AC
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 04-OCT-2000
Calibration Time: 07:42
Client Smp ID: C09452
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1799548	899774	3599096	1732848	-3.71
56 Chlorobenzene-d5	1219652	609826	2439304	1209142	-0.86
79 1,4-Dichlorobenze	735412	367706	1470824	724349	-1.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.01	-0.06
56 Chlorobenzene-d5	13.49	12.99	13.99	13.48	-0.03
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.11	0.03

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.

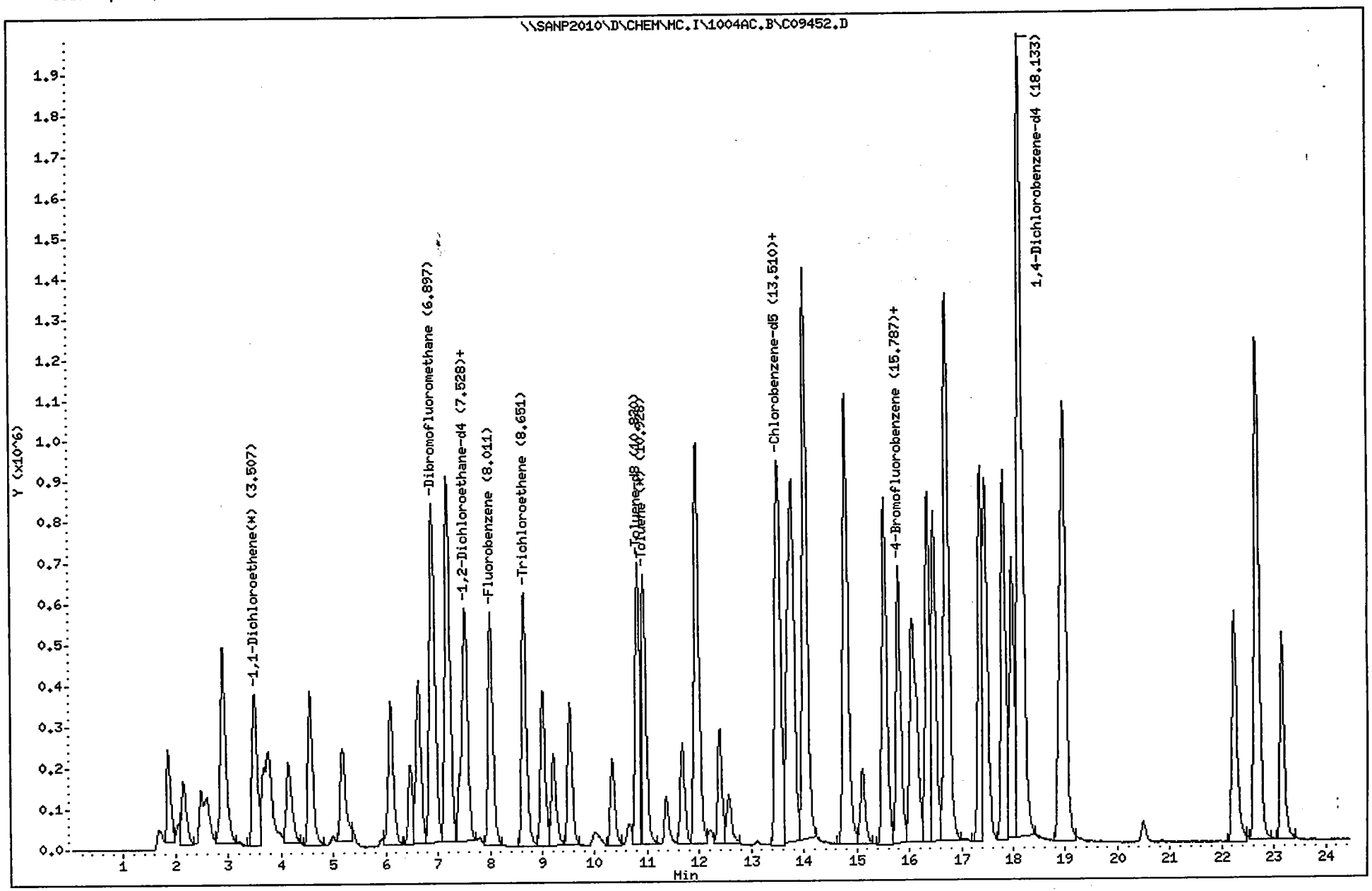
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09452.D
Date : 04-OCT-2000 08:35
Client ID: C09452
Sample Info: LCS-1004AC,LCS,1,,0,1,0,8260BCL.M,C09452
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i

Operator: RRT
Column diameter: 0.53



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BOE-C6-0147441

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1004AC.B\C09453.D
Lab Smp Id: MB-1004AC Client Smp ID: C09453
Inj Date : 04-OCT-2000 09:04
Operator : RRT Inst ID: mc.i
Smp Info : MB-1004AC,BLANK,1,,0,1,0,8260BCL.M,C09453
Misc Info : ,25,,,3,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Meth Date : 04-Oct-2000 08:07 DONGA Quant Type: ISTD
Cal Date : 27-SEP-2000 19:58 Cal File: CS2014.D
Als bottle: 3 QC Sample: BLANK
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	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
14 Acrylonitrile	53	7.420	7.424	(0.926)	41331	88.8325	88.83(Q)
$ 29 Dibromofluoromethane	111	6.888	6.892	(0.860)	860800	11.1577	11.16
$ 33 1,2-Dichloroethane-d4	65	7.410	7.434	(0.925)	333669	11.0029	11.00
34 1,2-Dichloroethane-d4 2nd	102	7.410	7.444	(0.925)	80984	10.8509	10.85
36 1,2-Dichloroethane	62	7.992	7.552	(0.998)	21235	0.62205	0.622(a)
37 Tert-amyl methyl ether	73	8.021	7.798	(1.001)	23199	0.40683	0.407(a)
* 38 Fluorobenzene	96	8.011	8.015	(1.000)	1612540	10.0000	
$ 47 Toluene-d8	98	10.810	10.824	(0.802)	1386159	10.2256	10.22
* 56 Chlorobenzene-d5	117	13.481	13.485	(1.000)	1180361	10.0000	
$ 66 4-Bromofluorobenzene	95	15.788	15.792	(1.171)	807278	10.3688	10.37
67 4-Bromofluorobenzene-2nd	174	15.788	15.792	(1.171)	699365	10.6089	10.61
* 79 1,4-Dichlorobenzene-d4	152	18.113	18.108	(1.000)	671248	10.0000	(Q)

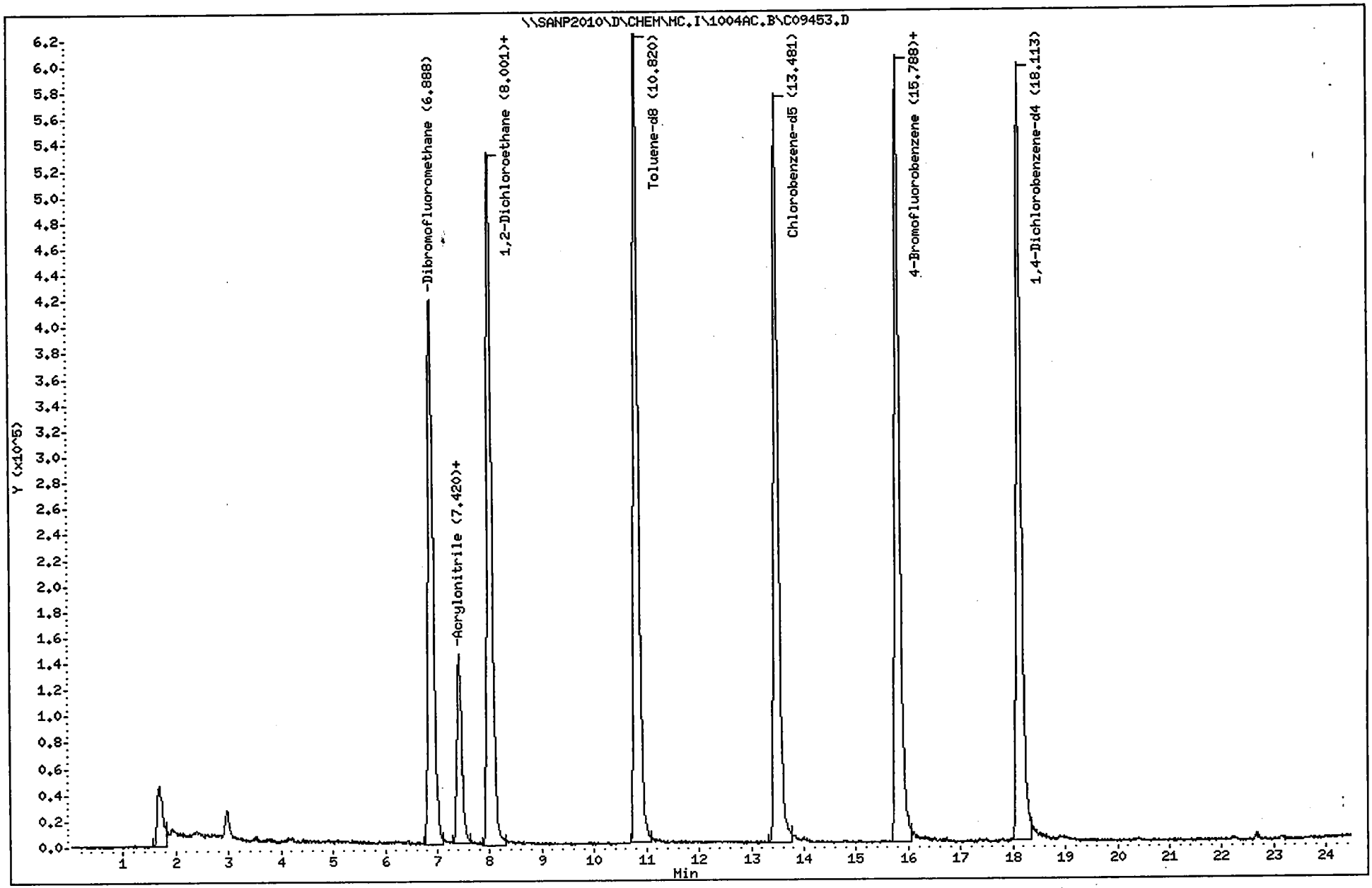
QC Flag Legend

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

Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09453.D
Date : 04-OCT-2000 09:04
Client ID: C09453
Sample Info: MB-1004AC,BLANK,1,,0,1,0,8260BCL.M,C09453
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i

Operator: RRT
Column diameter: 0.53



BOE-C6-0147444

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09453.D
Lab Smp Id: MB-1004AC
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Misc Info: ,25,,,3,1-8260B.SUB

Calibration Date: 04-OCT-2000
Calibration Time: 07:42
Client Smp ID: C09453
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1799548	899774	3599096	1612540	-10.39
56 Chlorobenzene-d5	1219652	609826	2439304	1180361	-3.22
79 1,4-Dichlorobenze	735412	367706	1470824	671248	-8.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.01	-0.05
56 Chlorobenzene-d5	13.49	12.99	13.99	13.48	-0.03
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.11	0.03

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\1004AC.B\C09453.D
Lab Smp Id: MB-1004AC Client Smp ID: C09453
Inj Date : 04-OCT-2000 09:04
Operator : RRT Inst ID: mc.i
Smp Info : MB-1004AC,BLANK,1,,0,1,0,8260BCL.M,C09453
Misc Info : ,25,,,3,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Meth Date : 04-Oct-2000 20:45 donga Quant Type: ISTD
Cal Date : 27-SEP-2000 19:58 Cal File: CS2014.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\SANP2010\D\chem\mc.i\1004AC.B\C09453.D
Report Date: 04-Oct-2000 20:50

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1004AC
Operator : RRT
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: SDGa94223
Client Smp ID: C09453
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09453.D

Date : 04-OCT-2000 09:04

Client ID: C09453

Instrument: mc.i

Sample Info: MB-1004AC,BLANK,1,,0,1,0,8260BCL,M,C09453

Purge Volume: 25.0

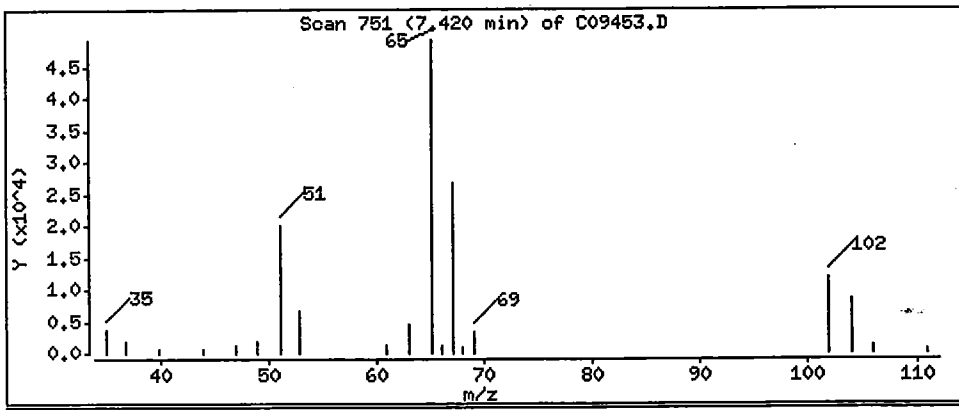
Operator: RRT

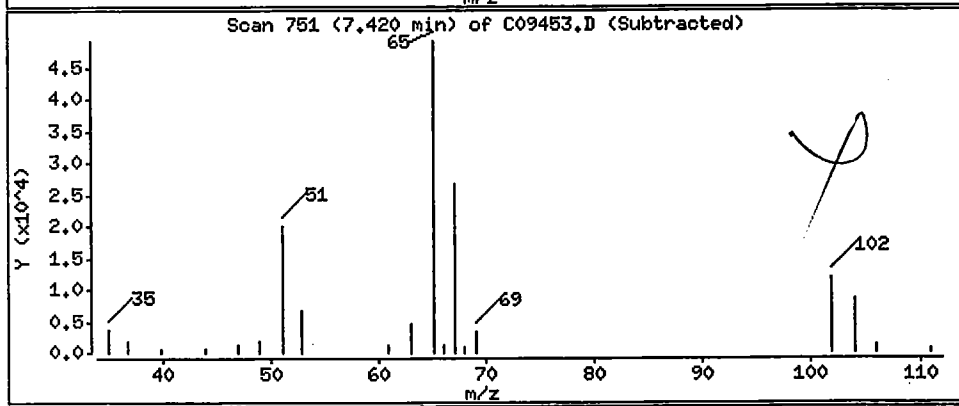
Column phase: J&W DB-624

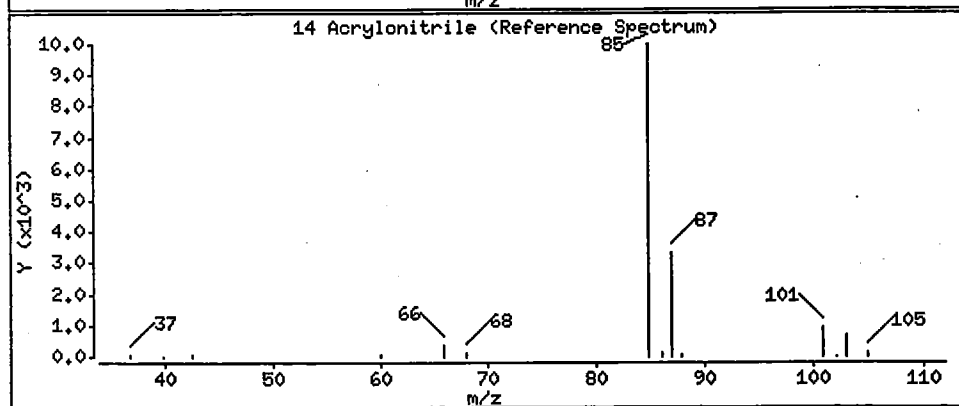
Column diameter: 0.53

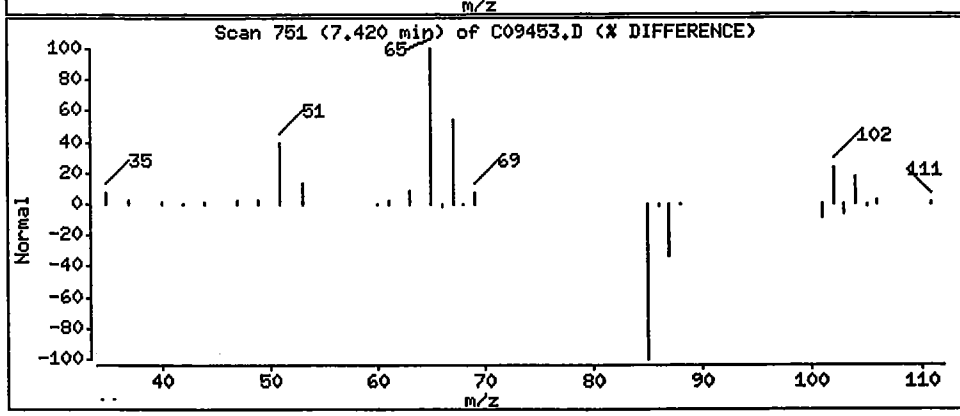
14 Acrylonitrile

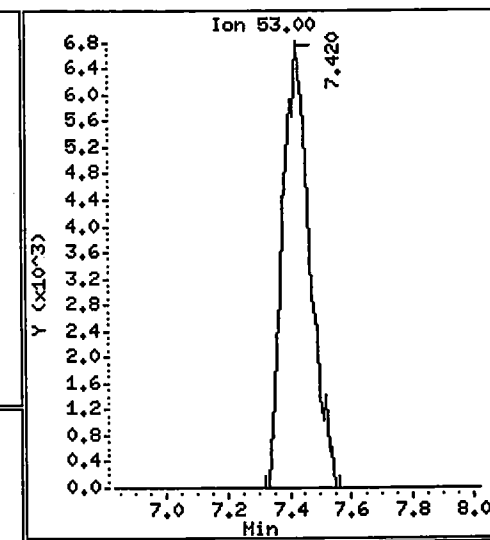
Concentration: 88.83 ug/L

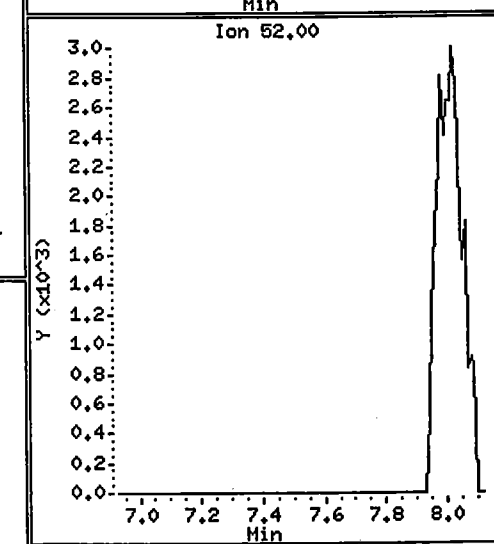


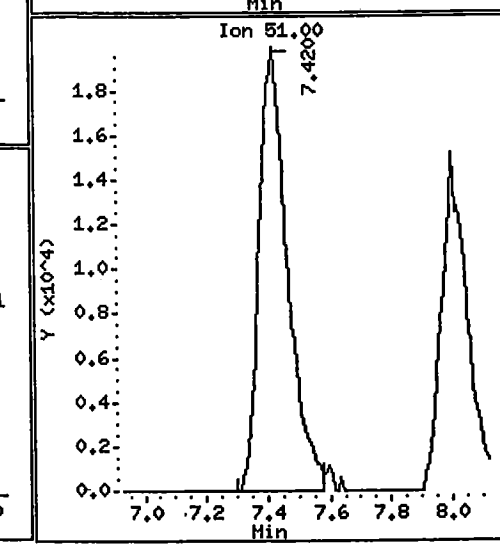












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09453.D

Date : 04-OCT-2000 09:04

Client ID: C09453

Instrument: mc.i

Sample Info: MB-1004AC,BLANK,1,,0,1,0,8260BCL.M,C09453

Purge Volume: 25.0

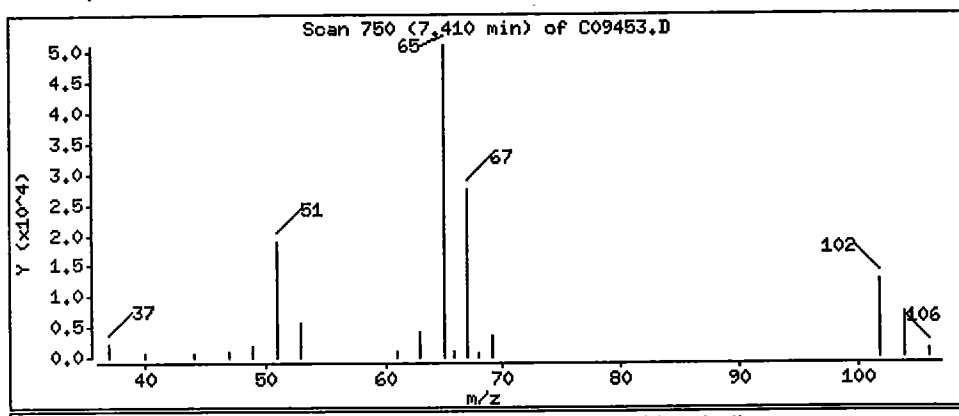
Operator: RRT

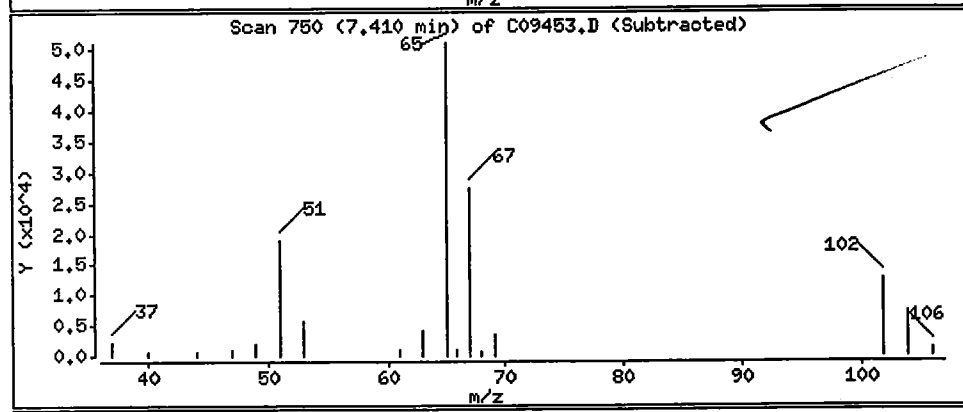
Column phase: J&W DB-624

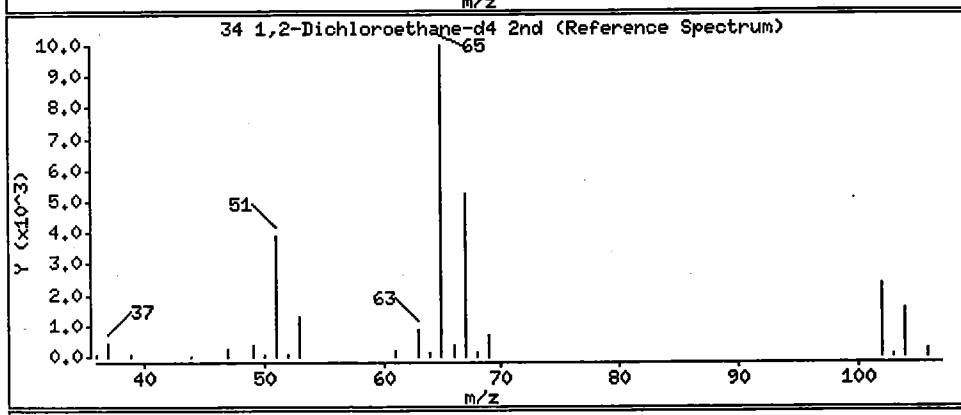
Column diameter: 0.53

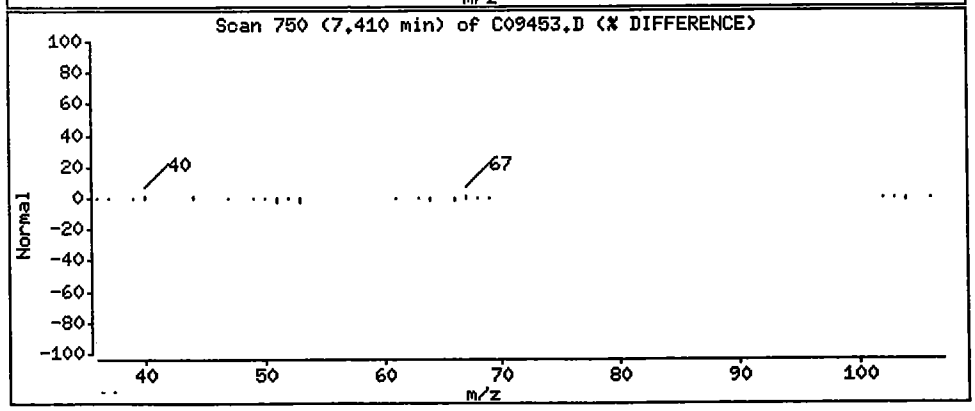
34 1,2-Dichloroethane-d4 2nd

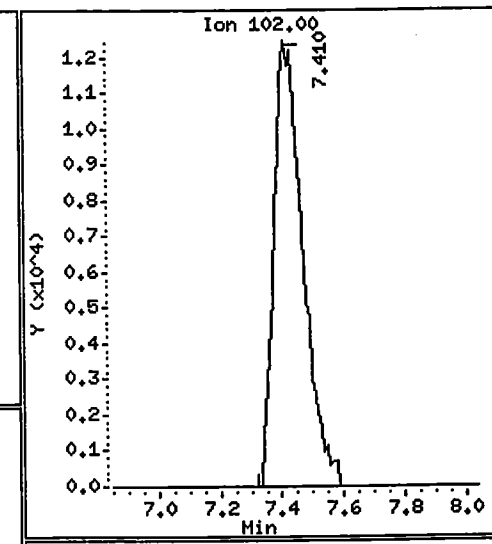
Concentration: 10.85 ug/L

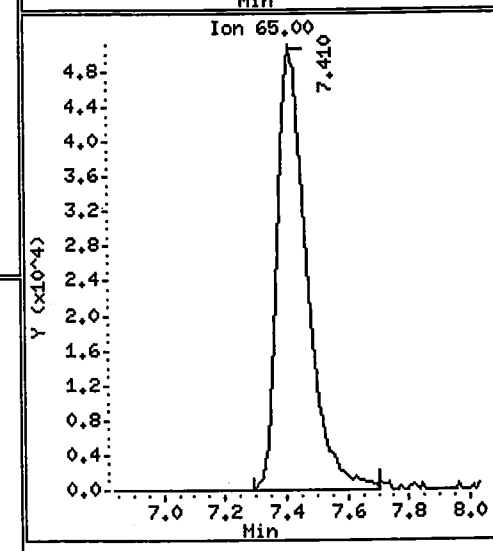












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09453.D

Date : 04-OCT-2000 09:04

Client ID: C09453

Instrument: mc.i

Sample Info: MB-1004AC,BLANK,1,,0,1,0,8260BCL.M,C09453

Purge Volume: 25.0

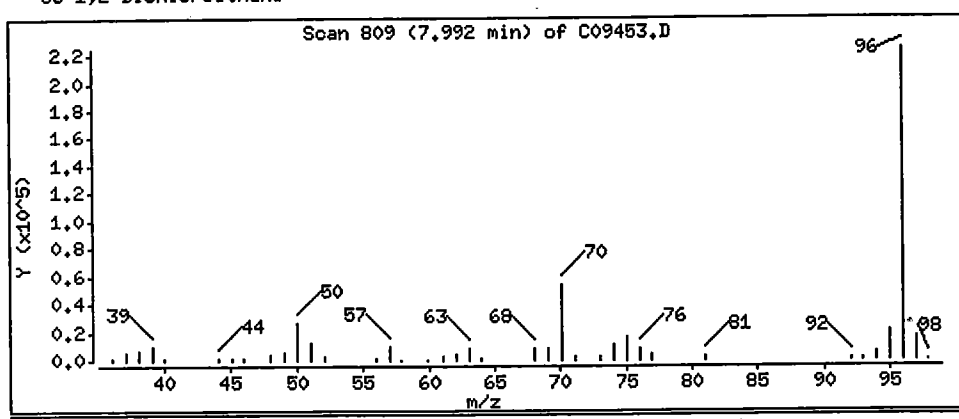
Operator: RRT

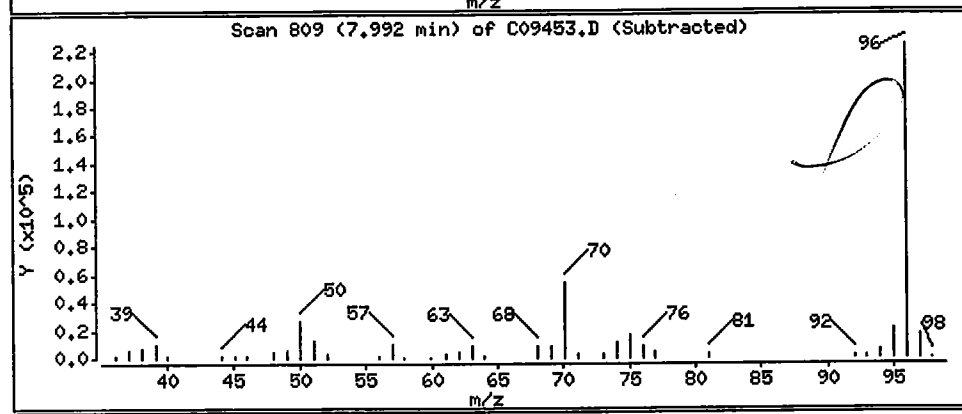
Column phase: J&W DB-624

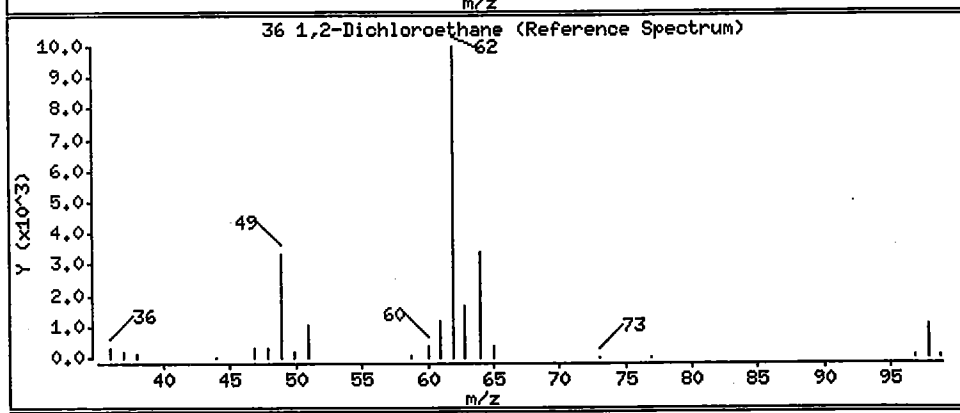
Column diameter: 0.53

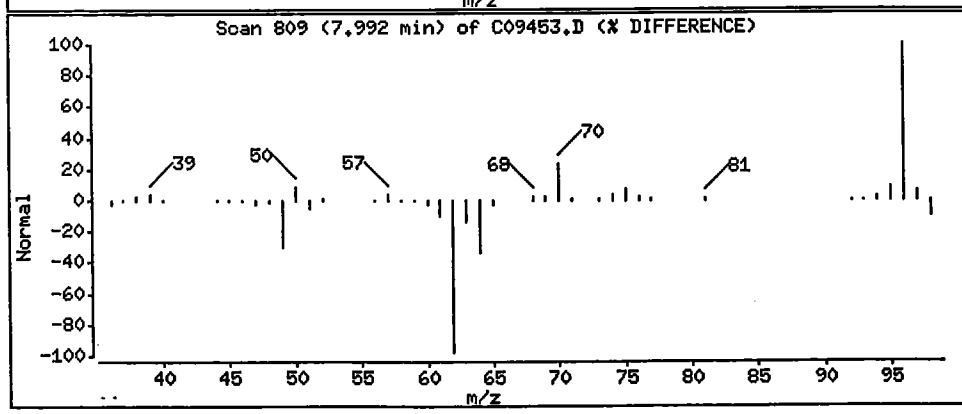
36 1,2-Dichloroethane

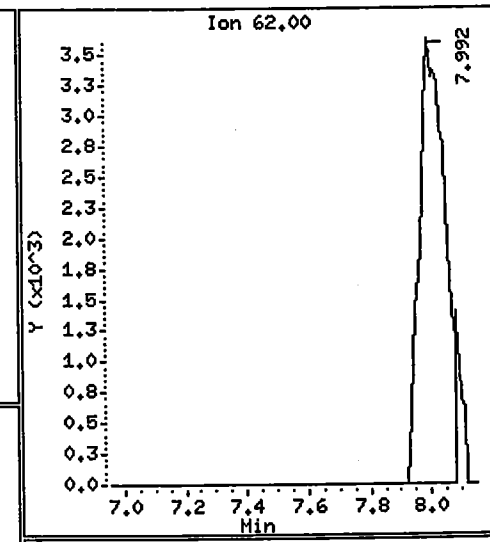
Concentration: 0.622 ug/L

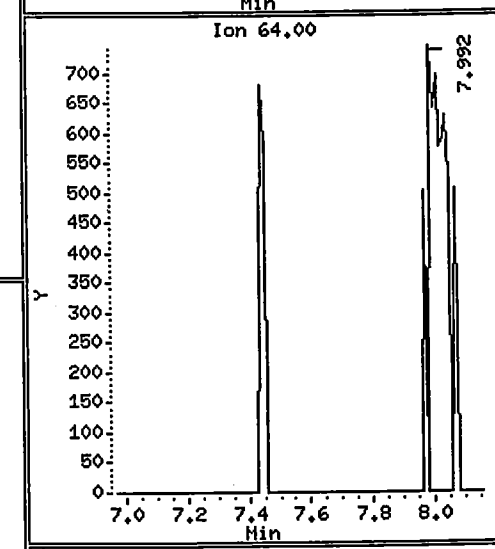


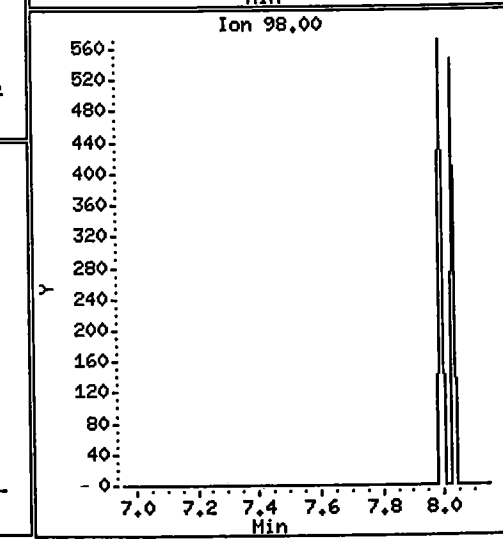












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09453.D

Date : 04-OCT-2000 09:04

Client ID: C09453

Instrument: mc.i

Sample Info: MB-1004AC,BLANK,1,,0,1,0,8260BCL.M,C09453

Purge Volume: 25.0

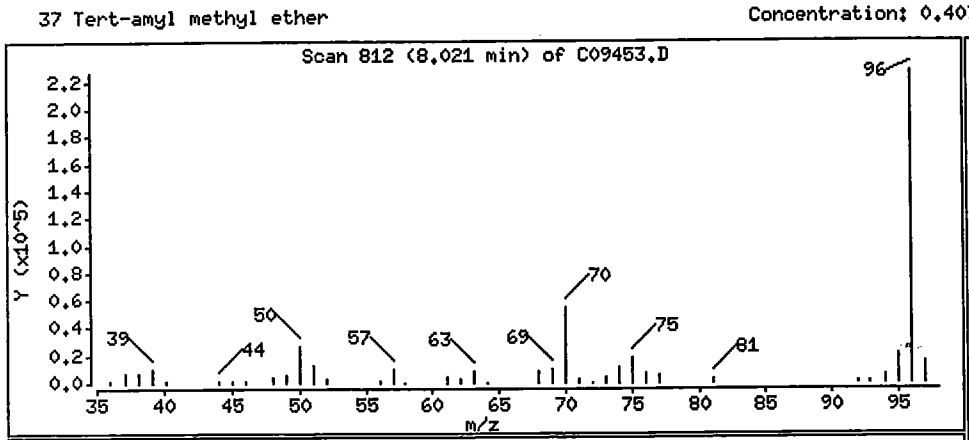
Operator: RRT

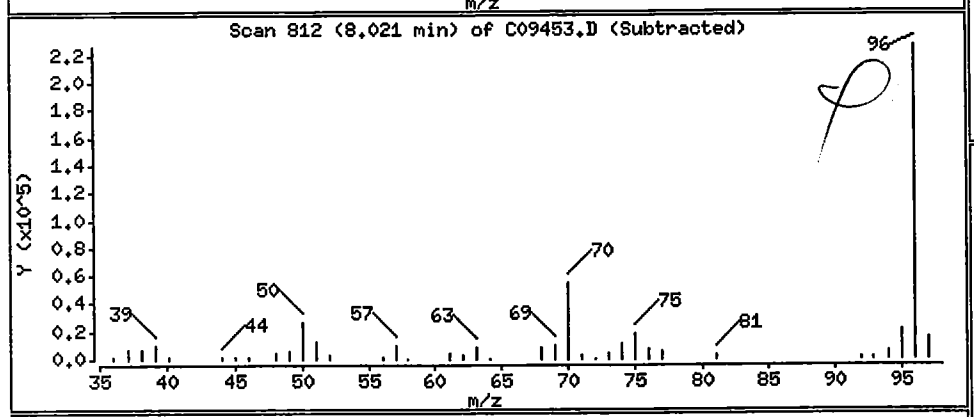
Column phase: J&W DB-624

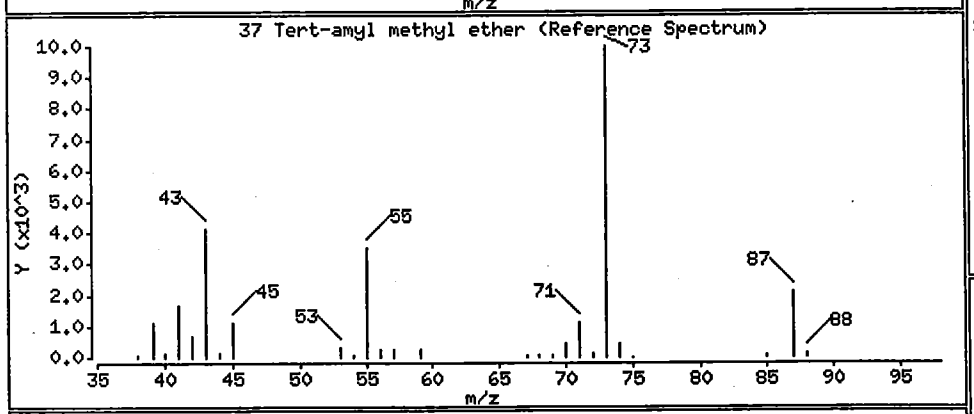
Column diameter: 0.53

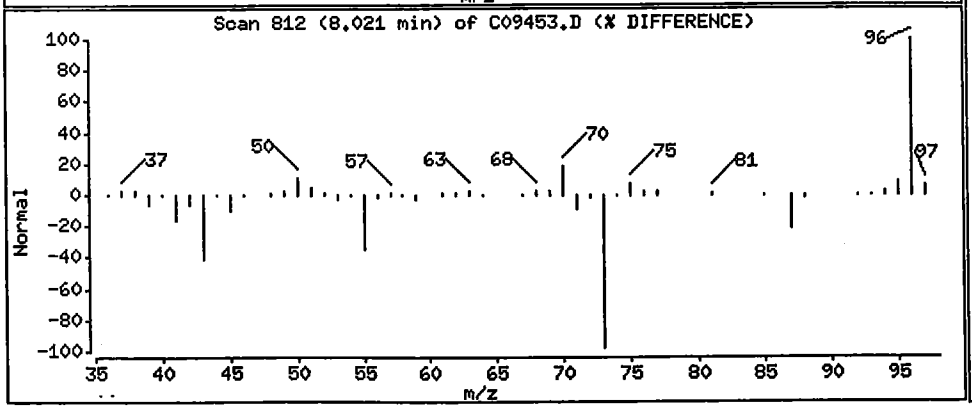
37 Tert-amyl methyl ether

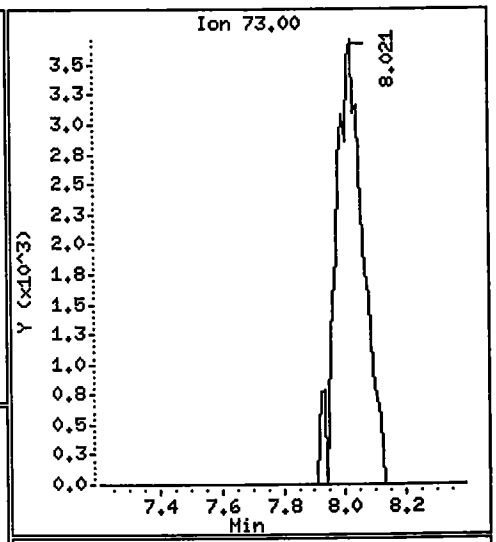
Concentration: 0.407 ug/L

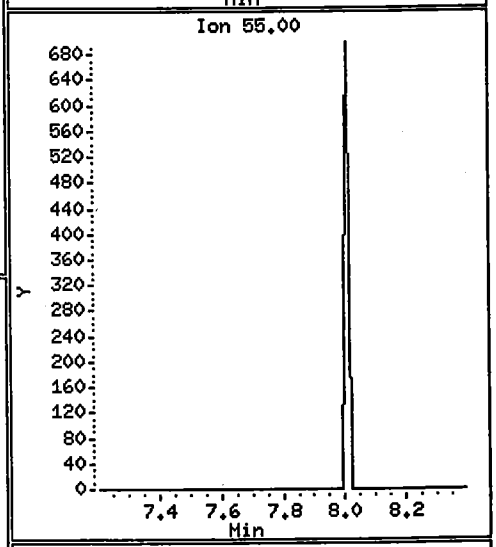


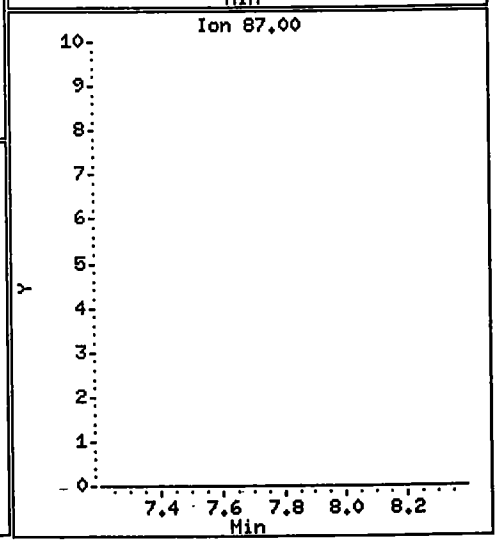












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09453.D

Date : 04-OCT-2000 09:04

Client ID: C09453

Instrument: mc.i

Sample Info: MB-1004AC,BLANK,1,,0,1,0,8260BCL.M,C09453

Purge Volume: 25.0

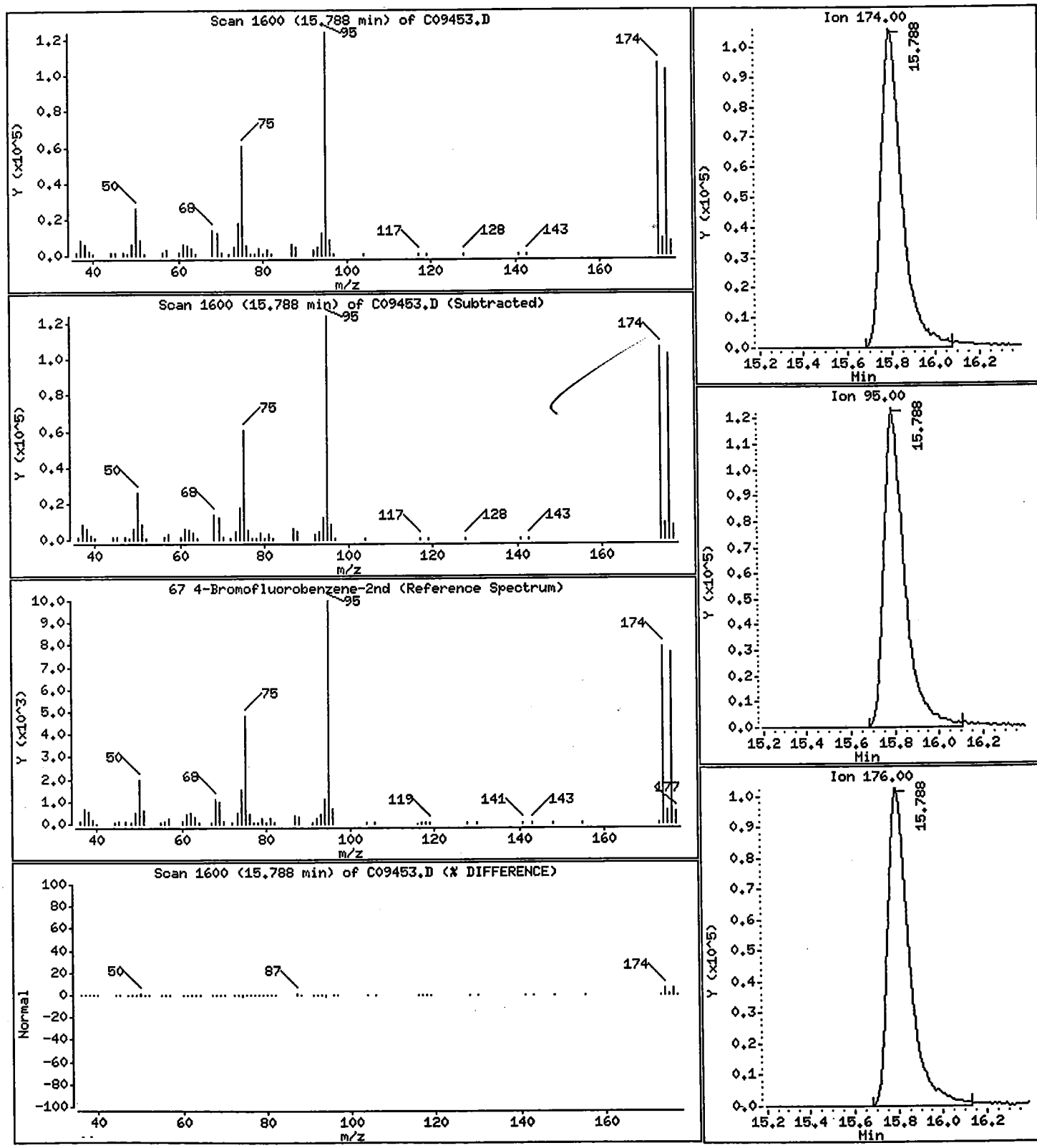
Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

67 4-Bromofluorobenzene-2nd

Concentration: 10.61 ug/L



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1004AC.B\C09469.D
Lab Smp Id: DLGL8102 Client Smp ID: C09469
Inj Date : 04-OCT-2000 17:27
Operator : RRT Inst ID: mc.i
Smp Info : DLGL8102,MS,1,,0,1,0,8260BCL.M,C09469
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\chem\mc.i\1004AC.B\8260BCL.m
Meth Date : 04-Oct-2000 08:07 DONGA Quant Type: ISTD
Cal Date : 27-SEP-2000 19:58 Cal File: CS2014.D
Als bottle: 2 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.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	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
8 1,1-Dichloroethene(*)	96	3.495	3.491	(0.436)	386470	9.70583	9.70
$ 29 Dibromofluoromethane	111	6.875	6.892	(0.858)	820266	11.7135	11.71
$ 33 1,2-Dichloroethane-d4	65	7.427	7.434	(0.927)	338249	12.2882	12.29
34 1,2-Dichloroethane-d4 2nd	102	7.427	7.444	(0.927)	78215	11.5456	11.54(Q)
35 Benzene	78	7.516	7.532	(0.938)	1083152	9.72730	9.73
* 38 Fluorobenzene	96	8.009	8.015	(1.000)	1463700	10.0000	
39 Trichloroethene	130	8.649	8.656	(1.080)	634060	10.1526	10.15
$ 47 Toluene-d8	98	10.818	10.824	(0.802)	1228771	10.0160	10.02
48 Toluene (*)	91	10.936	10.942	(0.811)	1334284	9.57525	9.58
* 56 Chlorobenzene-d5	117	13.488	13.485	(1.000)	1068239	10.0000	
57 Chlorobenzene (**)	112	13.538	13.535	(1.004)	1004449	9.66968	9.67
$ 66 4-Bromofluorobenzene	95	15.795	15.792	(1.171)	750426	10.6502	10.65
67 4-Bromofluorobenzene-2nd	174	15.795	15.792	(1.171)	668893	11.2116	11.21
* 79 1,4-Dichlorobenzene-d4	152	18.121	18.108	(1.000)	657715	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09469.D
Lab Smp Id: DLGL8102
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\chem\mc.i\1004AC.B\8260BCL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 04-OCT-2000
Calibration Time: 07:42
Client Smp ID: C09469
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1799548	899774	3599096	1463700	-18.66
56 Chlorobenzene-d5	1219652	609826	2439304	1068239	-12.41
79 1,4-Dichlorobenze	735412	367706	1470824	657715	-10.57

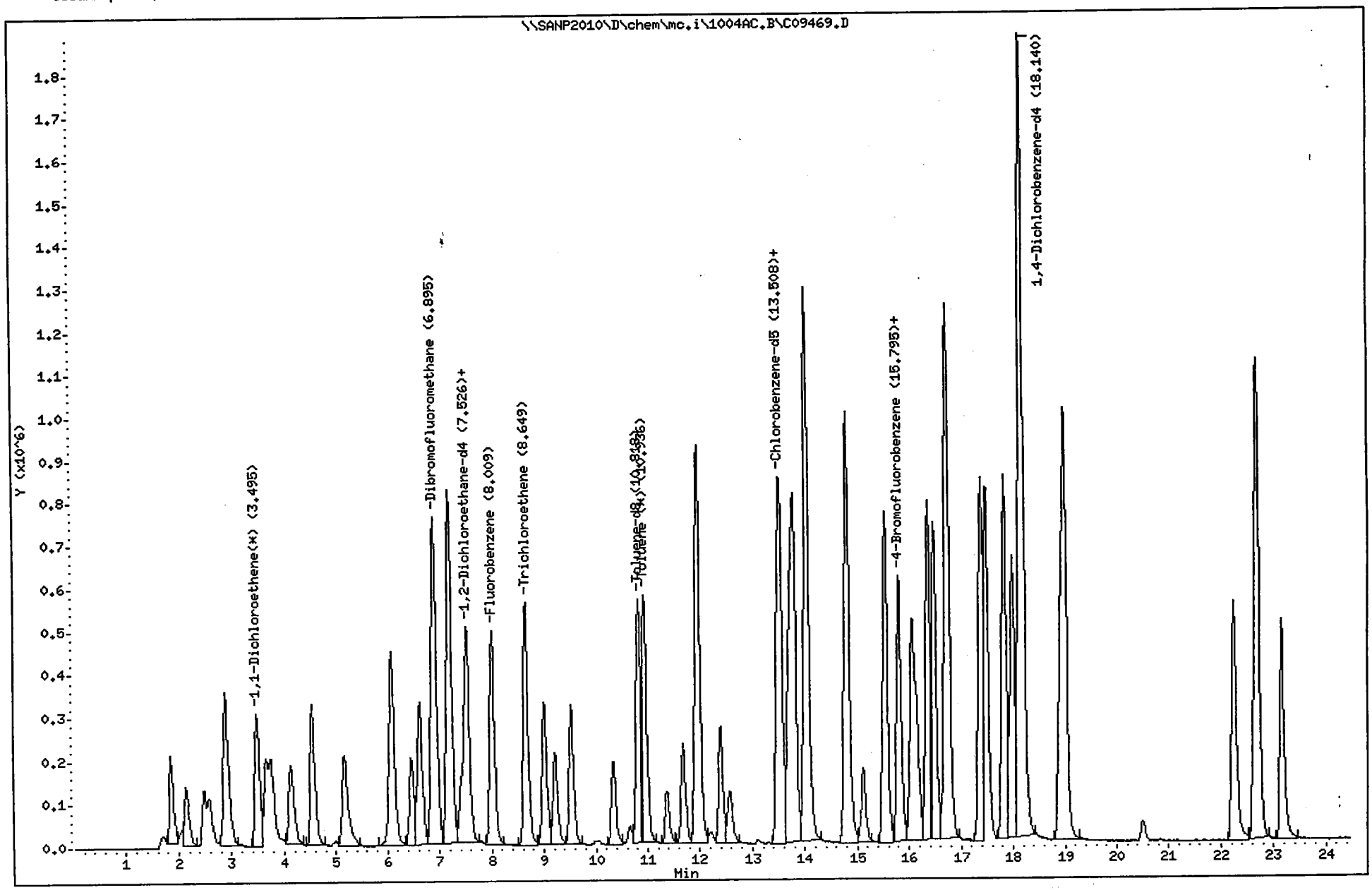
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.01	-0.08
56 Chlorobenzene-d5	13.49	12.99	13.99	13.49	0.02
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.12	0.07

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

Data File: \\SANP2010\D\chem\mc.i\1004AC.B\C09469.D
Date : 04-OCT-2000 17:27
Client ID: C09469
Sample Info: DLGL8102,MS,1,,0,1,0,8260BCL.M,C09469
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i

Operator: RRT
Column diameter: 0.53



BOE-C6-0147455

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1004AC.B\C09470.D
Lab Smp Id: DLGL8103 Client Smp ID: C09470
Inj Date : 04-OCT-2000 17:56
Operator : RRT Inst ID: mc.i
Smp Info : DLGL8103,MSD,1,,0,1,0,8260BCL.M,C09470
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\chem\mc.i\1004AC.B\8260BCL.m
Meth Date : 04-Oct-2000 08:07 DONGA Quant Type: ISTD
Cal Date : 27-SEP-2000 19:58 Cal File: CS2014.D
Als bottle: 3 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.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	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
8 1,1-Dichloroethene(*)	96	3.495	3.491	(0.436)	413574	9.73709	9.74
$ 29 Dibromofluoromethane	111	6.896	6.892	(0.861)	861604	11.5345	11.53
$ 33 1,2-Dichloroethane-d4	65	7.428	7.434	(0.927)	362166	12.3344	12.33
34 1,2-Dichloroethane-d4 2nd	102	7.438	7.444	(0.929)	80950	11.2021	11.20(Q)
35 Benzene	78	7.526	7.532	(0.940)	1150669	9.68752	9.69
* 38 Fluorobenzene	96	8.009	8.015	(1.000)	1561323	10.0000	
39 Trichloroethene	130	8.650	8.656	(1.080)	662910	9.95087	9.95
$ 47 Toluene-d8	98	10.818	10.824	(0.803)	1326438	10.1587	10.16
48 Toluene (*)	91	10.936	10.942	(0.811)	1417693	9.55903	9.56
* 56 Chlorobenzene-d5	117	13.479	13.485	(1.000)	1136942	10.0000	
57 Chlorobenzene (**)	112	13.538	13.535	(1.004)	1063258	9.61729	9.62
$ 66 4-Bromofluorobenzene	95	15.795	15.792	(1.172)	802896	10.7063	10.71
67 4-Bromofluorobenzene-2nd	174	15.795	15.792	(1.172)	710449	11.1886	11.19
* 79 1,4-Dichlorobenzene-d4	152	18.121	18.108	(1.000)	712490	10.0000	(Q)

Data File: \\SANP2010\D\chem\mc.i\1004AC.B\C09470.D
Report Date: 04-Oct-2000 19:06

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09470.D
Lab Smp Id: DLGL8103
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\chem\mc.i\1004AC.B\8260BCL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 04-OCT-2000
Calibration Time: 07:42
Client Smp ID: C09470
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1799548	899774	3599096	1561323	-13.24
56 Chlorobenzene-d5	1219652	609826	2439304	1136942	-6.78
79 1,4-Dichlorobenze	735412	367706	1470824	712490	-3.12

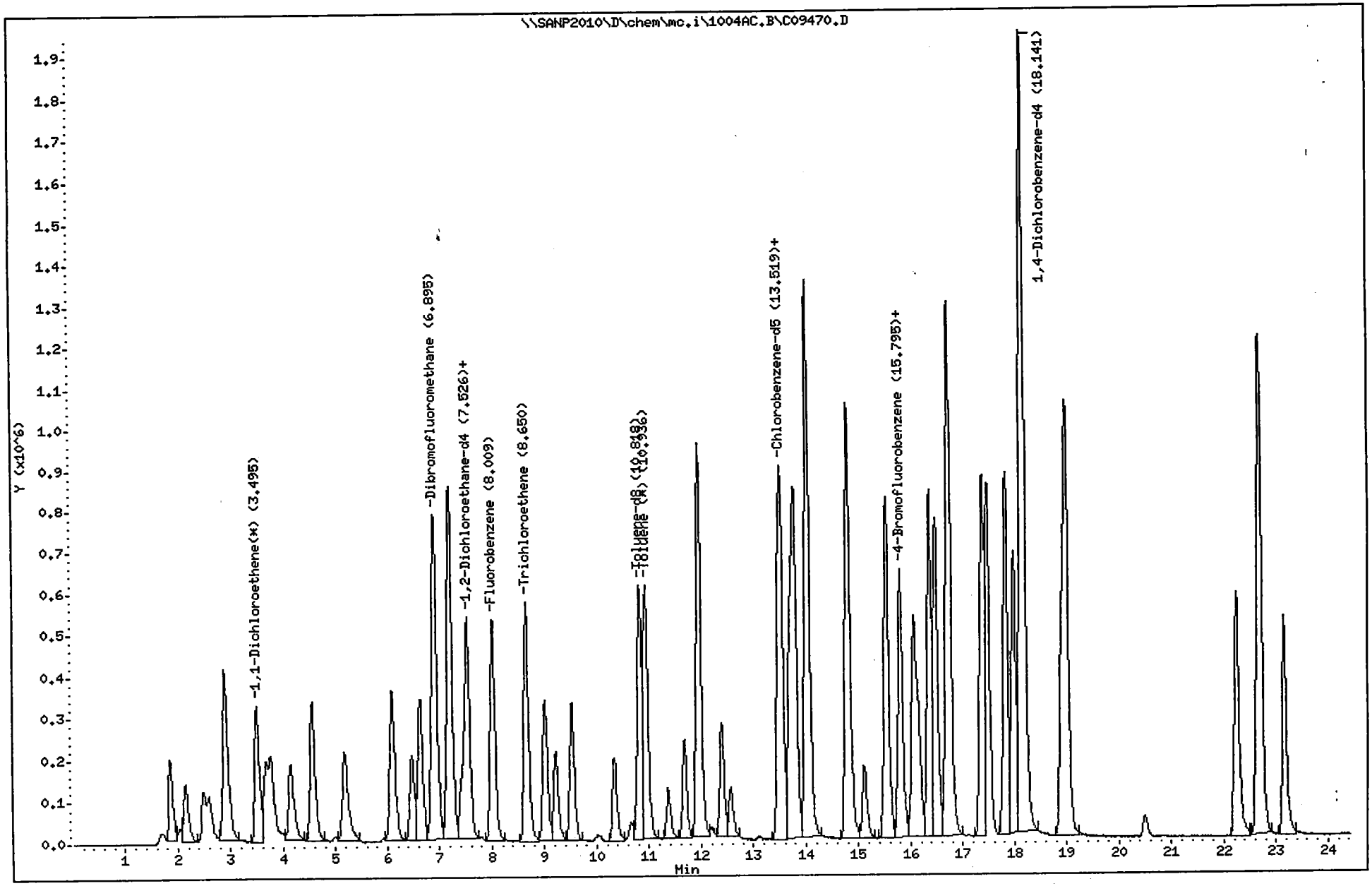
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.01	-0.08
56 Chlorobenzene-d5	13.49	12.99	13.99	13.48	-0.05
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.12	0.08

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

Data File: \\SANP2010\D\chem\mc.i\1004AC.B\C09470.D
Date : 04-OCT-2000 17:56
Client ID: C09470
Sample Info: DLGL8103,MSD,1,,0,1,0,8260BCL.M,C09470
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i

Operator: RRT
Column diameter: 0.53



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BOE-C6-0147458

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1004AC.B\C09454.D
Lab Smp Id: DLG1G101 Client Smp ID: C09454
Inj Date : 04-OCT-2000 09:58
Operator : RRT Inst ID: mc.i
Smp Info : DLG1G101,,1,,0,1,0,8260BCL.M,C09454
Misc Info : ,25,,,0,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Meth Date : 04-Oct-2000 08:07 DONGA Quant Type: ISTD
Cal Date : 27-SEP-2000 19:58 Cal File: CS2014.D
Als bottle: 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	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
14 Acrylonitrile	53	7.423	7.424	(0.926)	36461	73.6457	73.64(Q)
$ 29 Dibromofluoromethane	111	6.891	6.892	(0.860)	849472	10.3479	10.35
$ 33 1,2-Dichloroethane-d4	65	7.413	7.434	(0.925)	299402	9.27853	9.28
34 1,2-Dichloroethane-d4 2nd	102	7.433	7.444	(0.927)	77301	9.73375	9.73
36 1,2-Dichloroethane	62	8.024	7.552	(1.001)	20962	0.57708	0.577(a)
37 Tert-amyl methyl ether	73	8.024	7.798	(1.001)	24310	0.40064	0.401(a)
* 38 Fluorobenzene	96	8.015	8.015	(1.000)	1715848	10.0000	
$ 47 Toluene-d8	98	10.823	10.824	(0.803)	1422460	10.9475	10.95
* 56 Chlorobenzene-d5	117	13.484	13.485	(1.000)	1131396	10.0000	
$ 66 4-Bromofluorobenzene	95	15.791	15.792	(1.171)	723012	9.68835	9.69
67 4-Bromofluorobenzene-2nd	174	15.791	15.792	(1.171)	635630	10.0593	10.06
* 79 1,4-Dichlorobenzene-d4	152	18.127	18.108	(1.000)	590696	10.0000	(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

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09454.D
Lab Smp Id: DLG1G101
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Misc Info: ,25,,,0,1-8260B.SUB

Calibration Date: 04-OCT-2000
Calibration Time: 07:42
Client Smp ID: C09454
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1799548	899774	3599096	1715848	-4.65
56 Chlorobenzene-d5	1219652	609826	2439304	1131396	-7.24
79 1,4-Dichlorobenze	735412	367706	1470824	590696	-19.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	8.02	7.52	8.52	8.01	-0.01
56 Chlorobenzene-d5	13.49	12.99	13.99	13.48	-0.01
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.13	0.10

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\1004AC.B\C09454.D
Lab Smp Id: DLG1G101 Client Smp ID: C09454
Inj Date : 04-OCT-2000 09:58
Operator : RRT Inst ID: mc.i
Smp Info : DLG1G101,,1,,0,1,0,8260BCL.M,C09454
Misc Info : ,25,,,0,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Meth Date : 04-Oct-2000 20:45 donga Quant Type: ISTD
Cal Date : 27-SEP-2000 19:58 Cal File: CS2014.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLG1G101
Operator : RRT
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: SDGa94223
Client Smp ID: C09454
Sample Date:
Sample Point:
Date Received:
Level: LOW

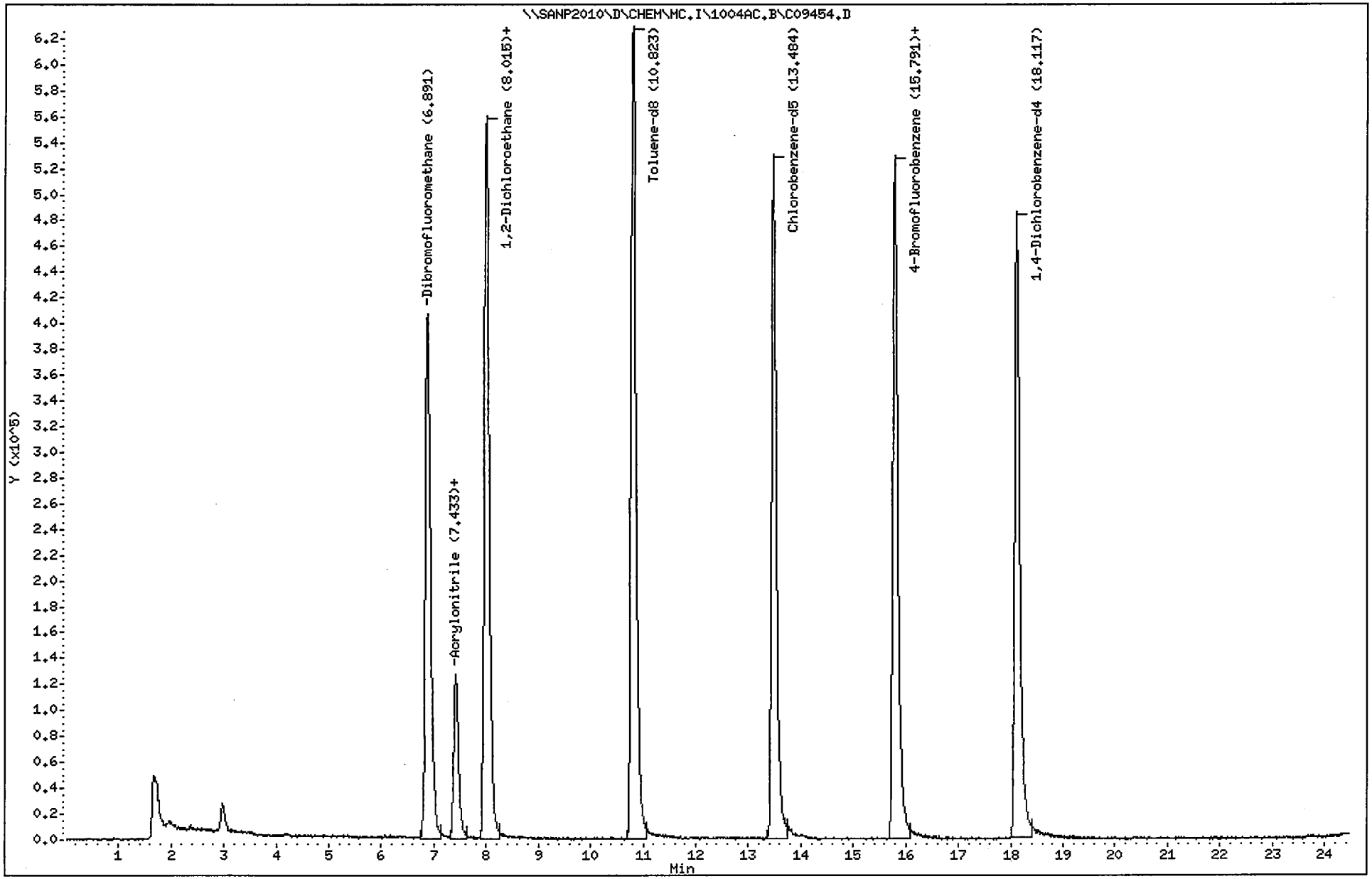
Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09454.D
Date : 04-OCT-2000 09:58
Client ID: C09454
Sample Info: DLG1G101,,1,,0,1,0,8260BCL.M,C09454
Purge Volume: 25.0
Column phase: J&W DB-624

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



000389

BOE-C6-0147464

Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09454.D

Date : 04-OCT-2000 09:58

Client ID: C09454

Instrument: mc.i

Sample Info: DLG1G101,,1,,0,1,0,8260BCL.M,C09454

Purge Volume: 25.0

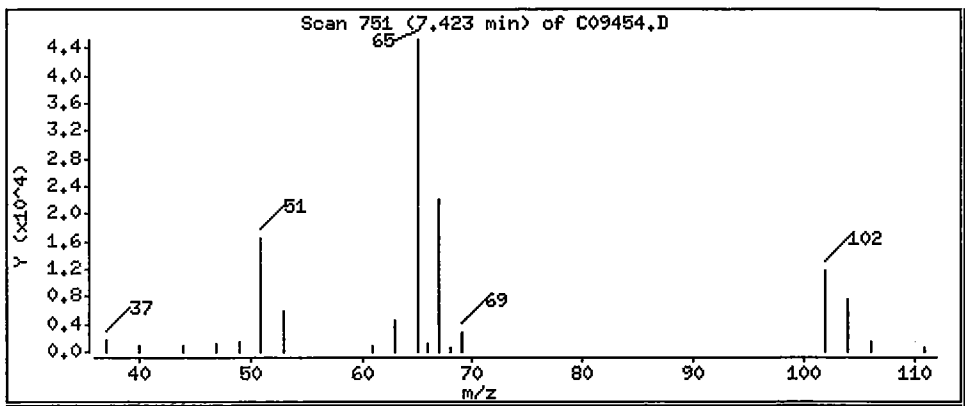
Operator: RRT

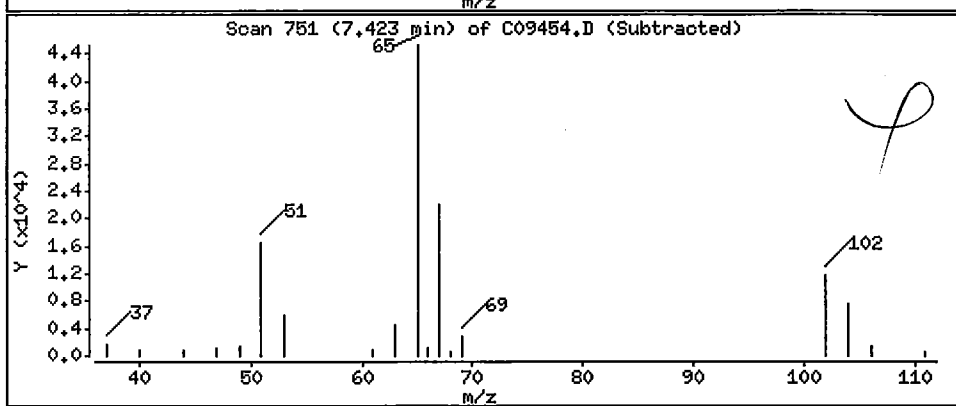
Column phase: J&W DB-624

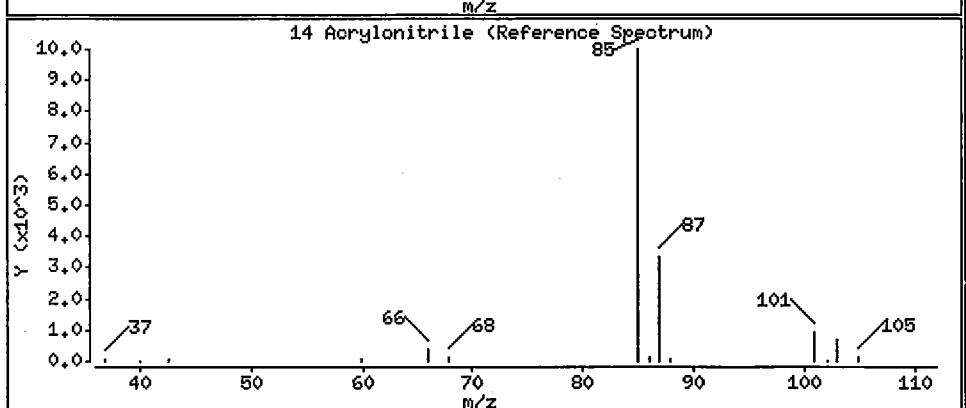
Column diameter: 0.53

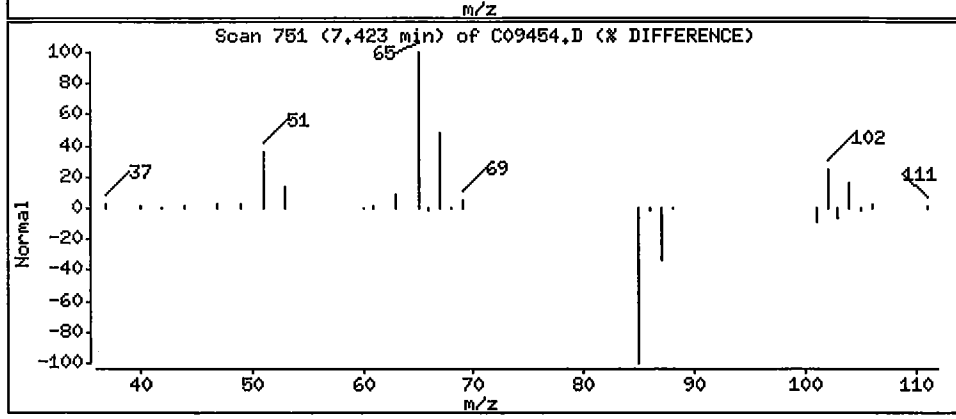
14 Acrylonitrile

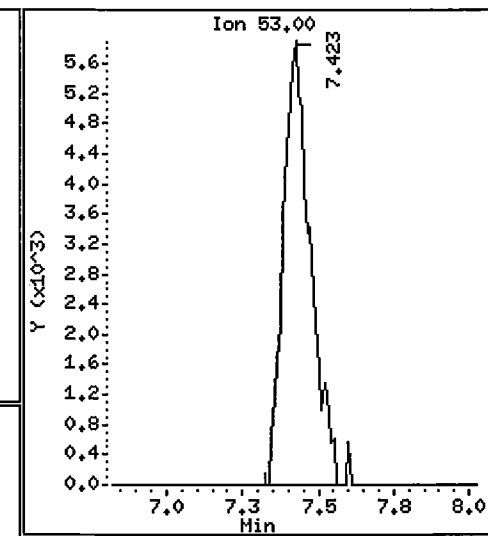
Concentration: 73.64 ug/L

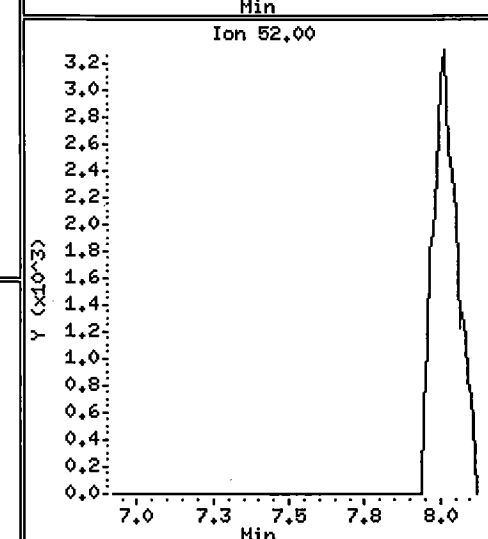


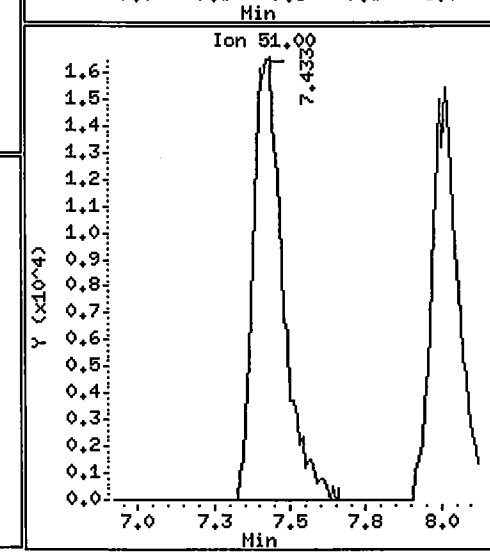












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09454.D

Date : 04-OCT-2000 09:58

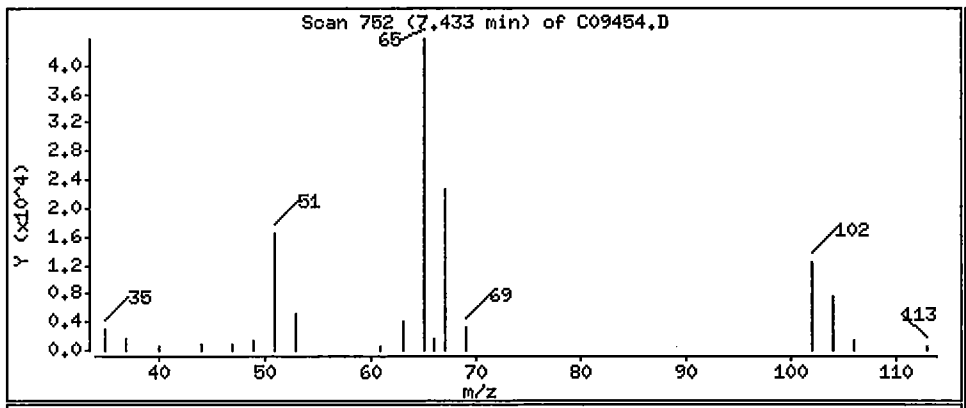
Client ID: C09454 Instrument: mc.i

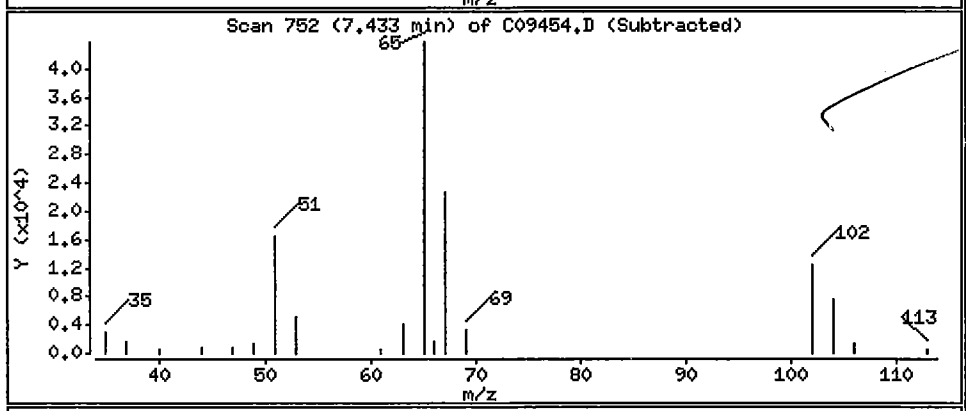
Sample Info: DLG1G101,,1,,0,1,0,8260BCL.M,C09454

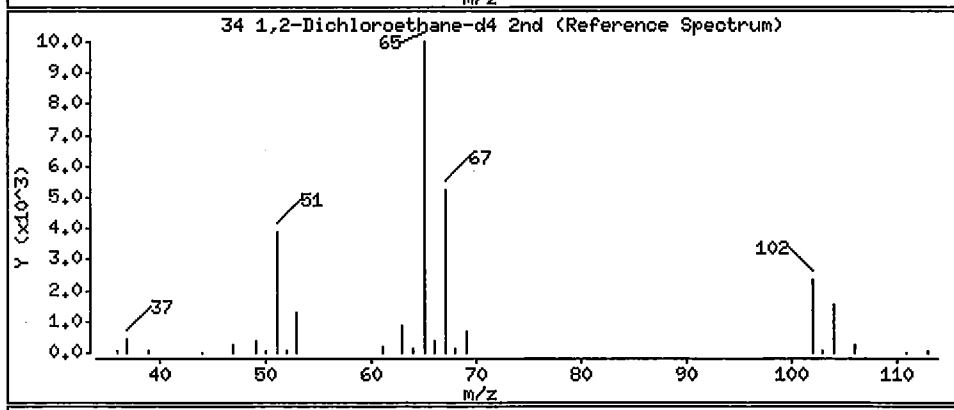
Purge Volume: 25.0 Operator: RRT

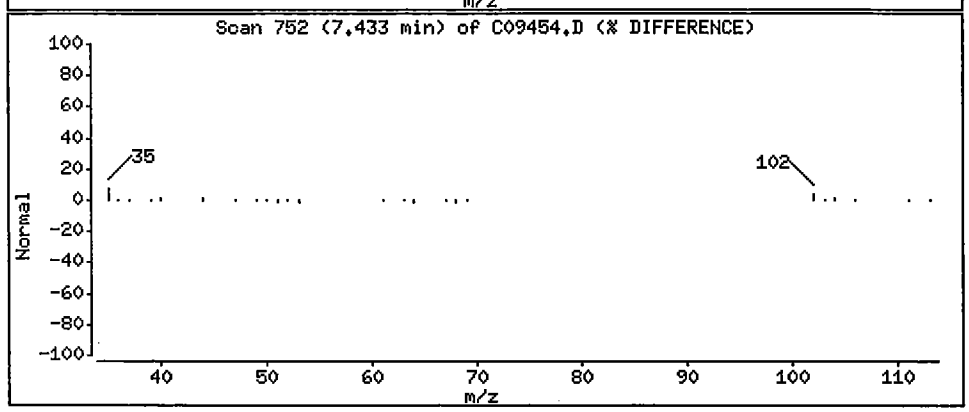
Column phase: J&W DB-624 Column diameter: 0.53

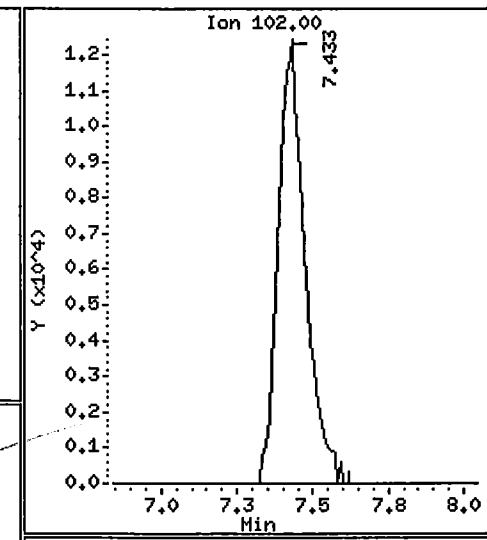
34 1,2-Dichloroethane-d4 2nd Concentration: 9.73 ug/L

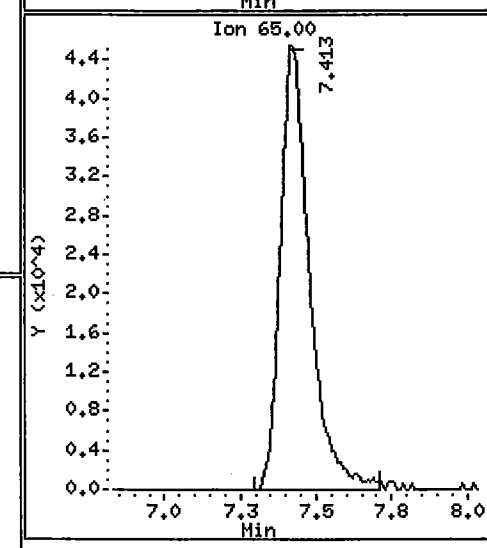












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09454.D

Date : 04-OCT-2000 09:58

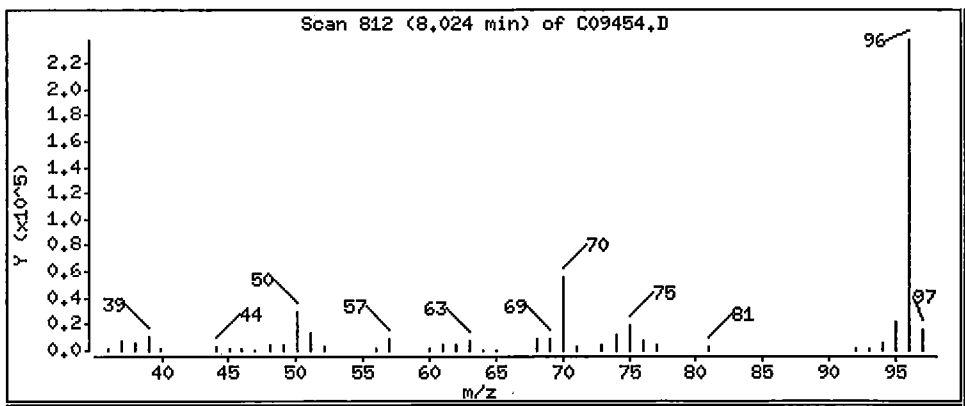
Client ID: C09454 Instrument: mc.i

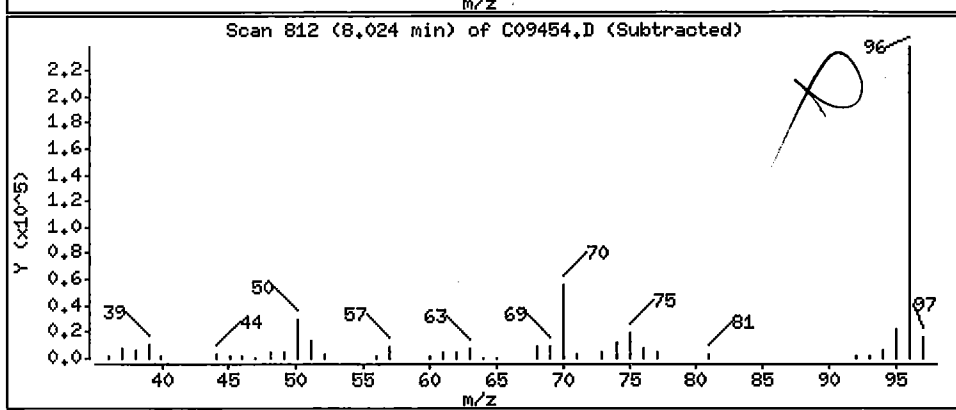
Sample Info: DLG1G101,,1,,0,1,0,8260BCL.M,C09454

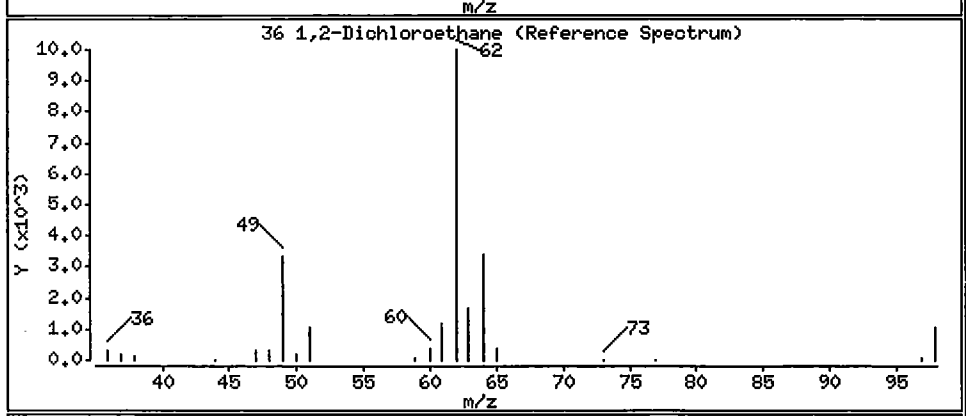
Purge Volume: 25.0 Operator: RRT

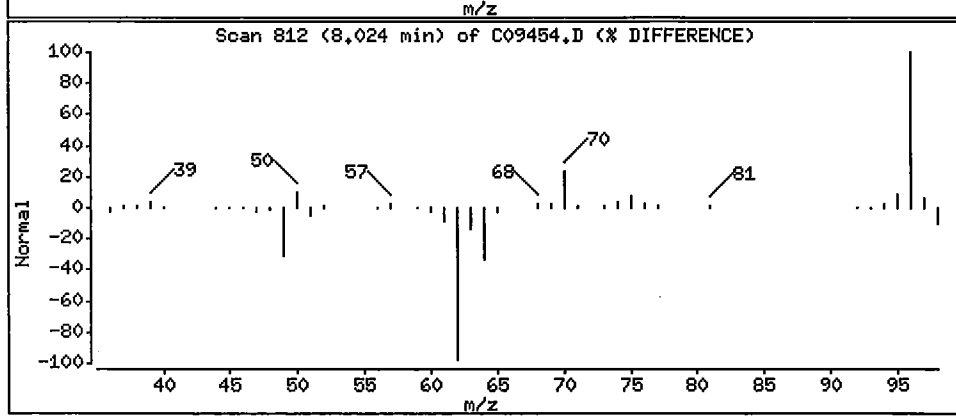
Column phase: J&W DB-624 Column diameter: 0.53

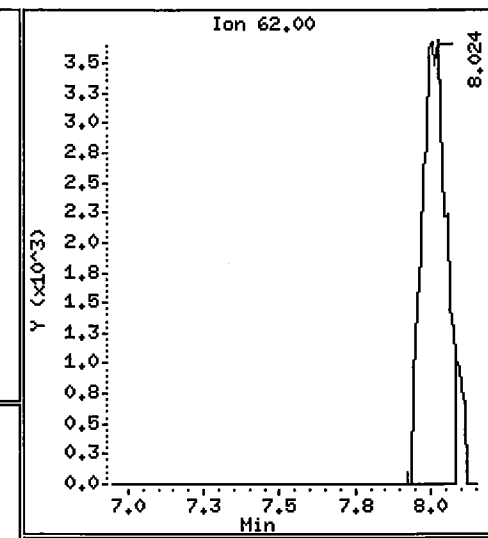
36 1,2-Dichloroethane Concentration: 0.577 ug/L

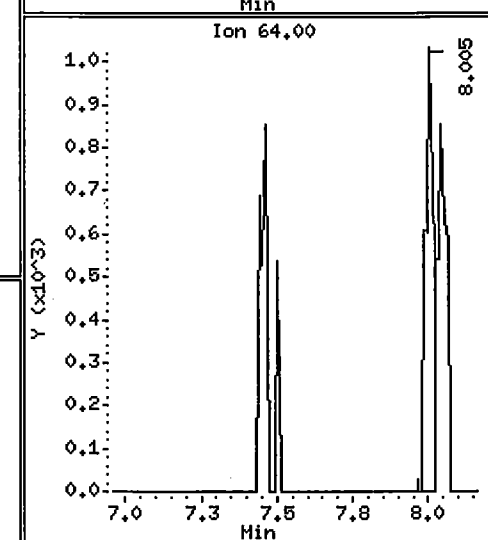


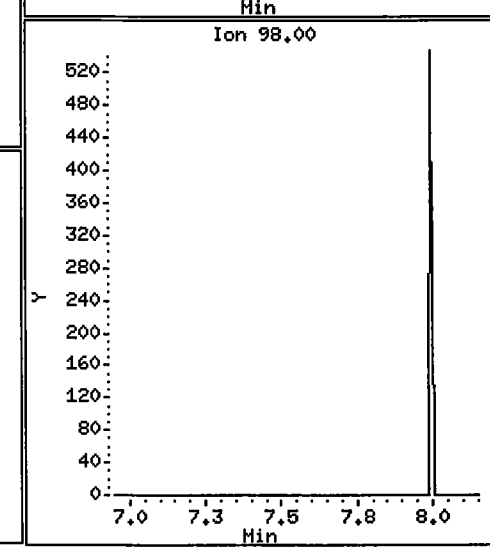












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09454.D

Date : 04-OCT-2000 09:58

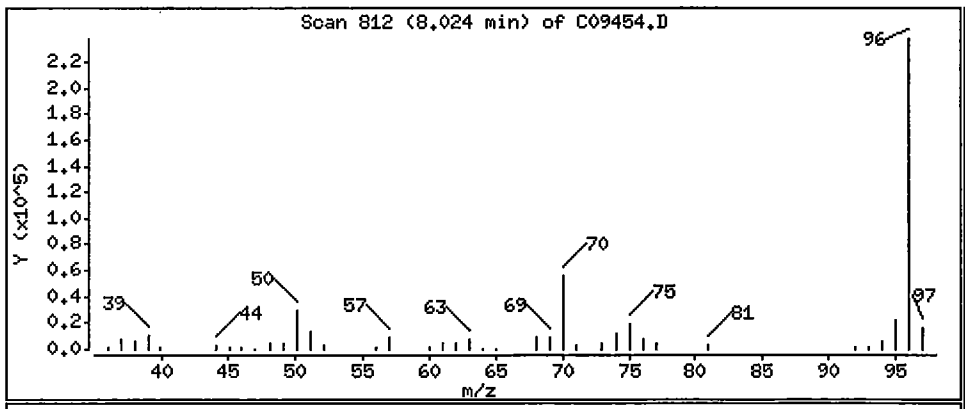
Client ID: C09454 Instrument: mc.i

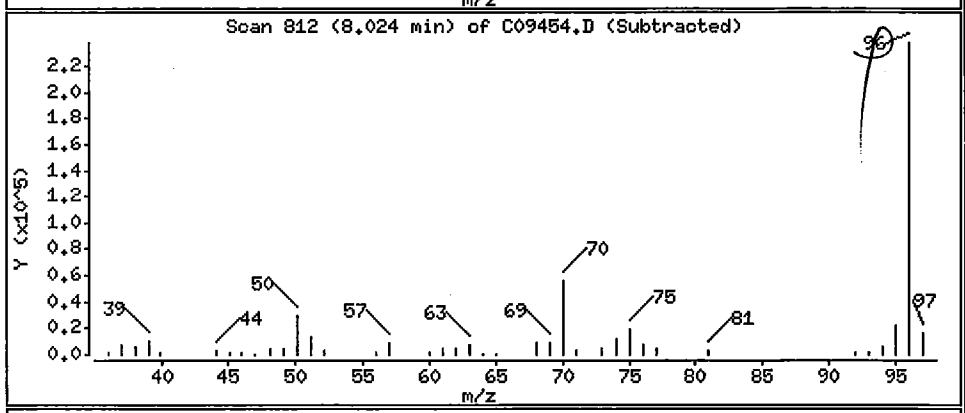
Sample Info: DLG1G101,,1,,0,1,0,8260BCL.M,C09454

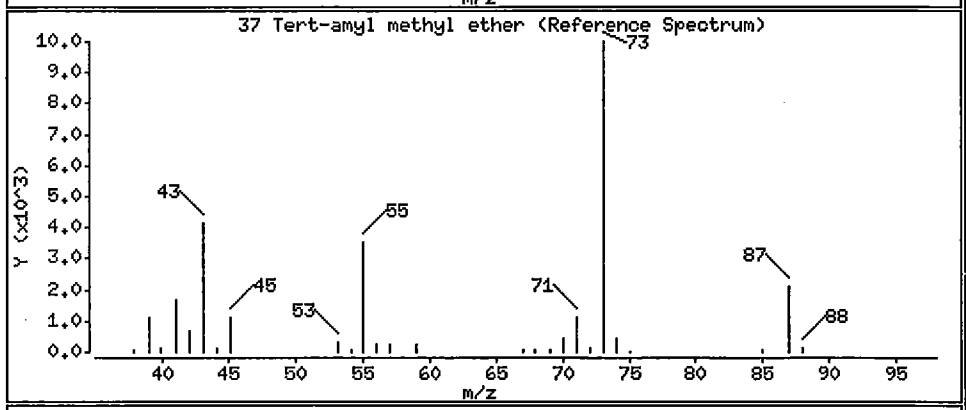
Purge Volume: 25.0 Operator: RRT

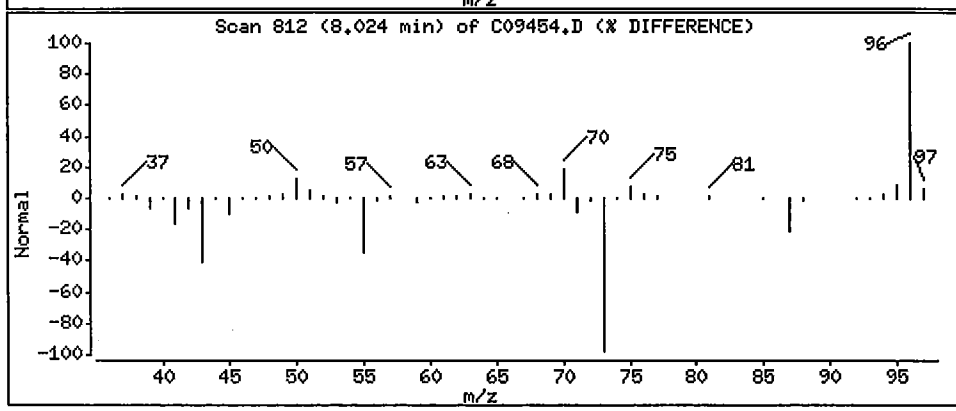
Column phase: J&W DB-624 Column diameter: 0.53

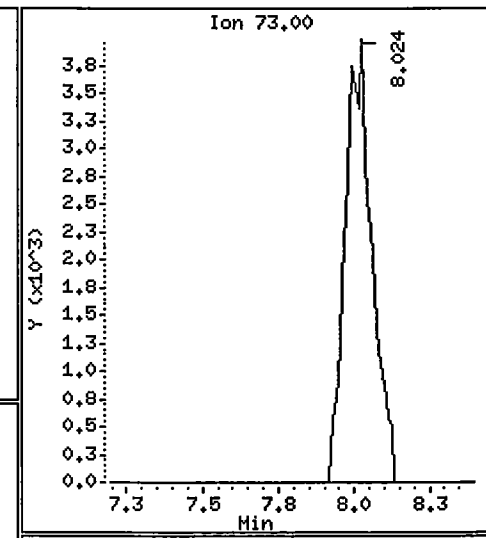
37 Tert-amyl methyl ether Concentration: 0.401 ug/L

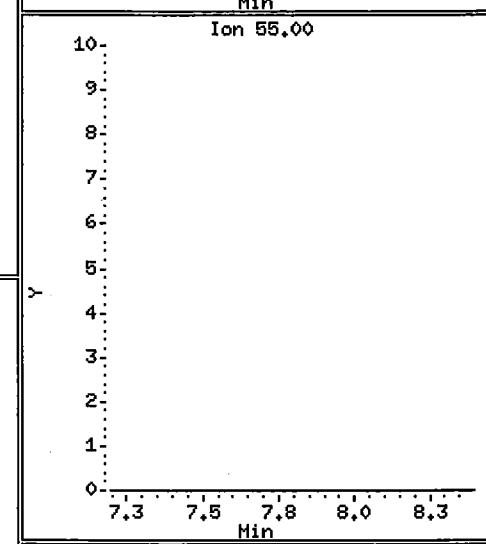


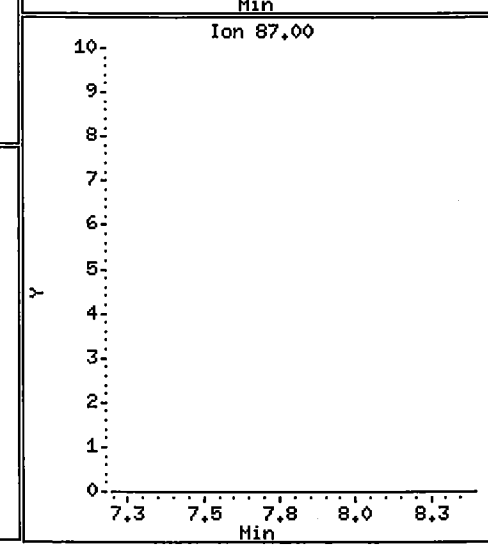












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09454.D

Date : 04-OCT-2000 09:58

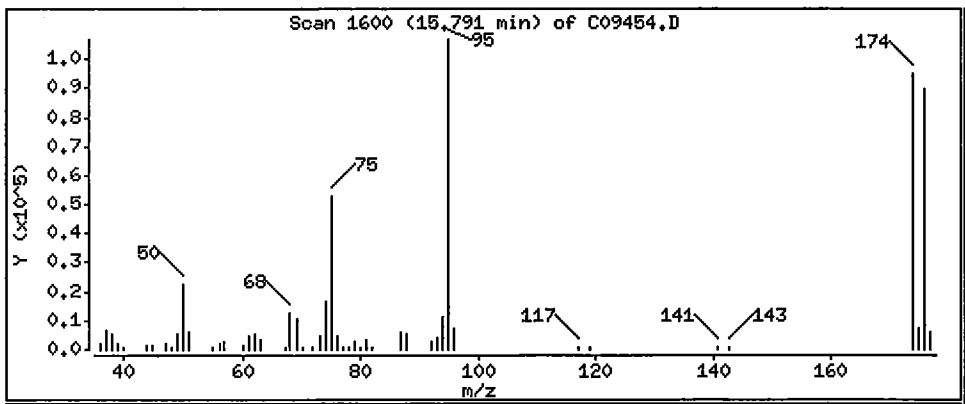
Client ID: C09454 Instrument: mc.i

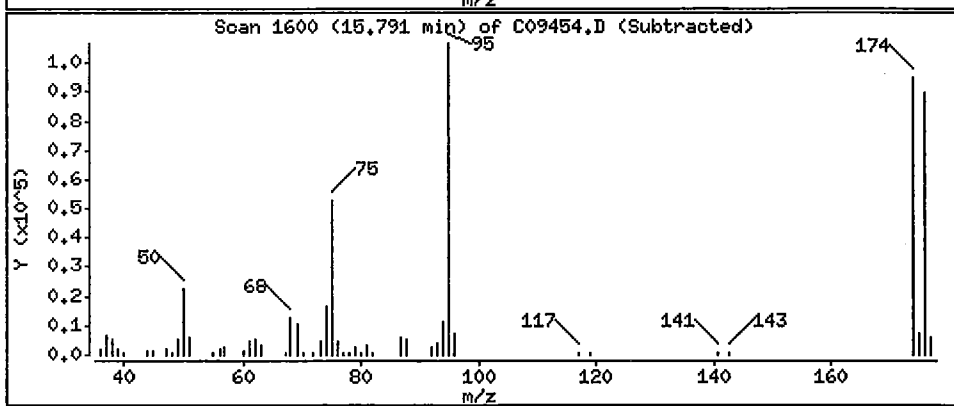
Sample Info: DLG1G101,,1,,0,1,0,8260BCL.M,C09454

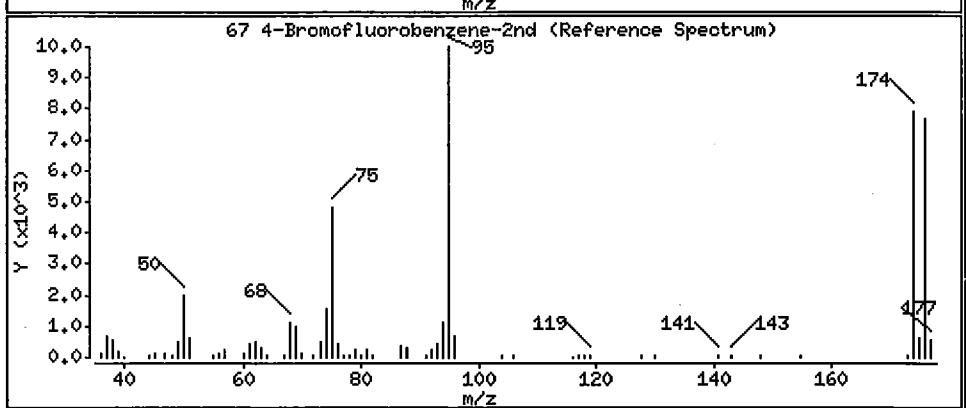
Purge Volume: 25.0 Operator: RRT

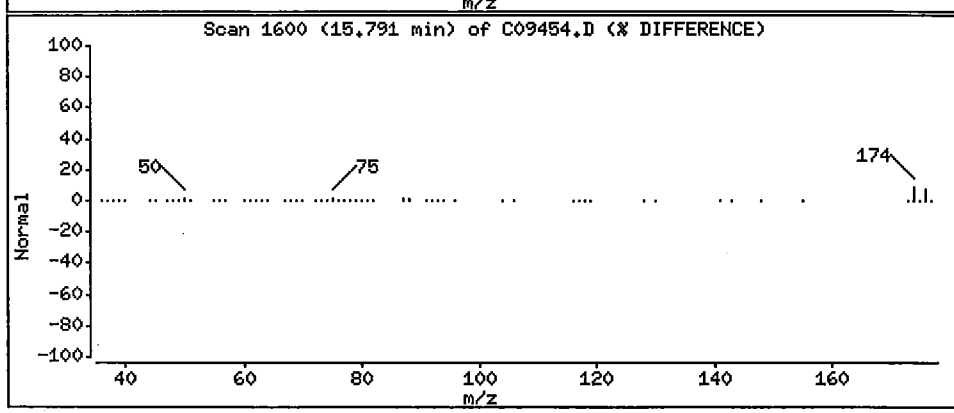
Column phase: J&W DB-624 Column diameter: 0.53

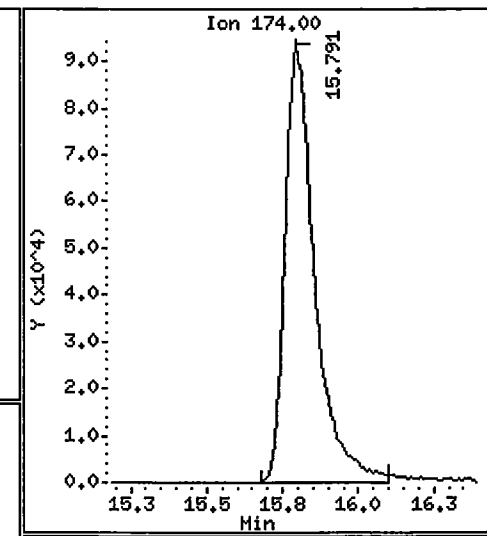
67 4-Bromofluorobenzene-2nd Concentration: 10.06 ug/L

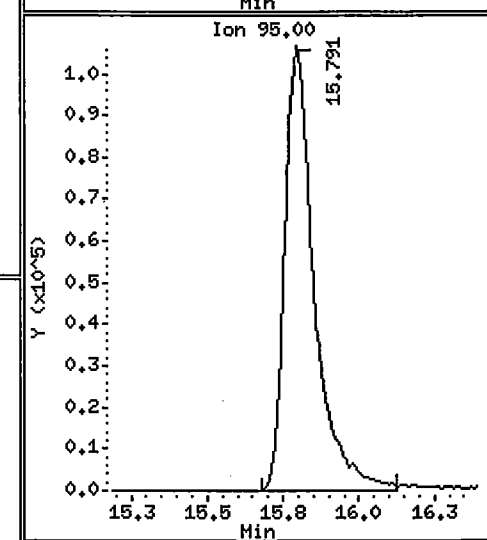


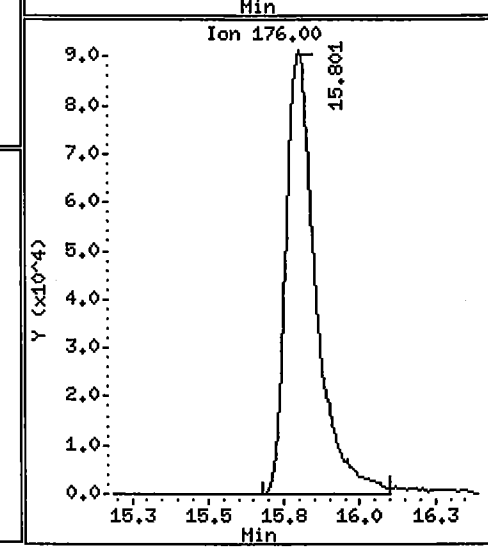












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1004AC.B\C09455.D
Lab Smp Id: DLFKM101 Client Smp ID: C09455
Inj Date : 04-OCT-2000 10:28
Operator : RRT Inst ID: mc.i
Smp Info : DLFKM101,,1,,0,1,0,8260BCL.M,C09455
Misc Info : ,25,,,0,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Meth Date : 04-Oct-2000 08:07 DONGA Quant Type: ISTD
Cal Date : 27-SEP-2000 19:58 Cal File: CS2014.D
Als bottle: 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	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	11 Acetone	43	3.535	3.551	(0.441)	14656	5.17537	5.18(a)
	14 Acrylonitrile	53	7.418	7.424	(0.925)	39099	82.8882	82.89(Q)
	18 Methyl-tert-butyl ether[MTBE]	73	4.589	4.595	(0.572)	56492	1.43193	1.43
$	29 Dibromofluoromethane	111	6.886	6.892	(0.859)	828696	10.5950	10.59
$	33 1,2-Dichloroethane-d4	65	7.428	7.434	(0.926)	313169	10.1860	10.18
	34 1,2-Dichloroethane-d4 2nd	102	7.428	7.444	(0.926)	76081	10.0548	10.05
	36 1,2-Dichloroethane	62	8.009	7.552	(0.999)	20995	0.60662	0.607(a)
	37 Tert-amyl methyl ether	73	8.019	7.798	(1.000)	23718	0.41026	0.410(a)
*	38 Fluorobenzene	96	8.019	8.015	(1.000)	1634856	10.0000	
$	47 Toluene-d8	98	10.828	10.824	(0.803)	1353751	10.0177	10.02
	48 Toluene (*)	91	10.937	10.942	(0.811)	35333	0.23019	0.230(a)
*	56 Chlorobenzene-d5	117	13.479	13.485	(1.000)	1176681	10.0000	
$	66 4-Bromofluorobenzene	95	15.795	15.792	(1.172)	757200	9.75597	9.76
	67 4-Bromofluorobenzene-2nd	174	15.795	15.792	(1.172)	670163	10.1977	10.20
*	79 1,4-Dichlorobenzene-d4	152	18.112	18.108	(1.000)	648093	10.0000	(Q)

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09455.D
Lab Smp Id: DLFKM101
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Misc Info: ,25,,,0,1-8260B.SUB

Calibration Date: 04-OCT-2000
Calibration Time: 07:42
Client Smp ID: C09455
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1799548	899774	3599096	1634856	-9.15
56 Chlorobenzene-d5	1219652	609826	2439304	1176681	-3.52
79 1,4-Dichlorobenze	735412	367706	1470824	648093	-11.87

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	13.48	-0.04
79 1,4-Dichlorobenze	18.11	17.61	18.61	18.11	0.02

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

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1004AC.B\C09455.D
Lab Smp Id: DLFKM101 Client Smp ID: C09455
Inj Date : 04-OCT-2000 10:28
Operator : RRT Inst ID: mc.i
Smp Info : DLFKM101,,1,,0,1,0,8260BCL.M,C09455
Misc Info : ,25,,,0,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1004AC.B\8260BCL.m
Meth Date : 04-Oct-2000 20:45 donga Quant Type: ISTD
Cal Date : 27-SEP-2000 19:58 Cal File: CS2014.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFKM101
Operator : RRT
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: SDGa94223
Client Smp ID: C09455
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

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

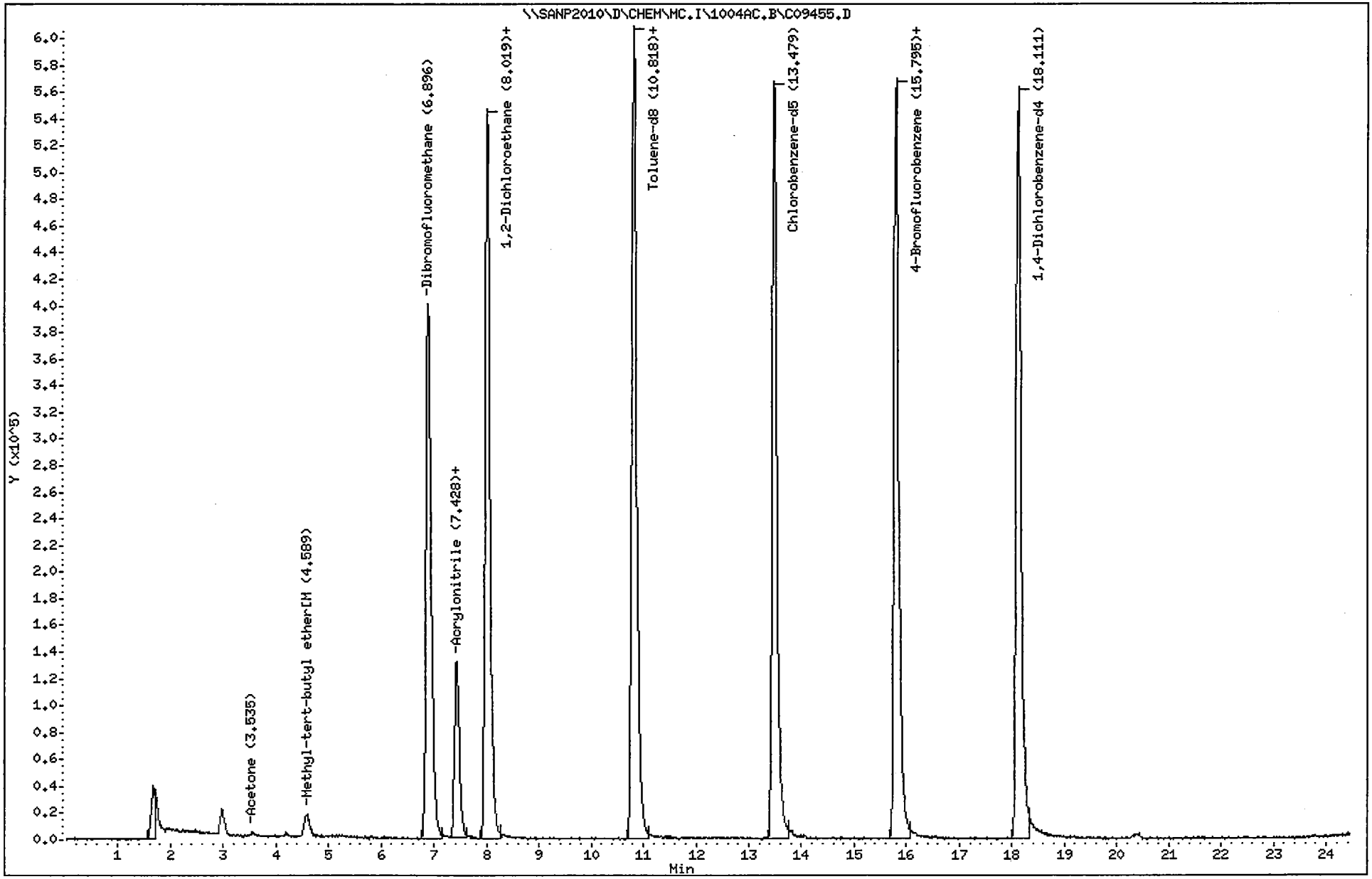
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

QC Flag Legend

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

Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09455.D
Date : 04-OCT-2000 10:28
Client ID: C09455
Sample Info: DLFKM101,,1,,0,1,0,8260BCL.M,C09455
Purge Volume: 25.0
Column phase: J&W DB-624

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



000400

BOE-C6-0147475

Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09455.D

Date : 04-OCT-2000 10:28

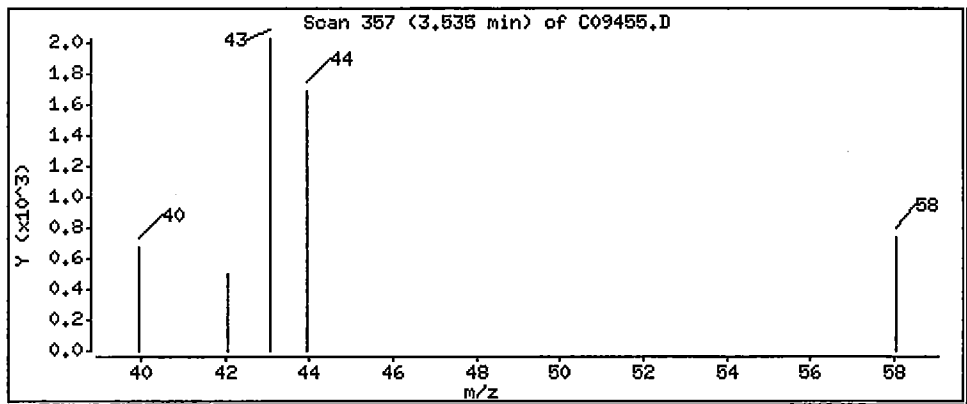
Client ID: C09455 Instrument: mc.i

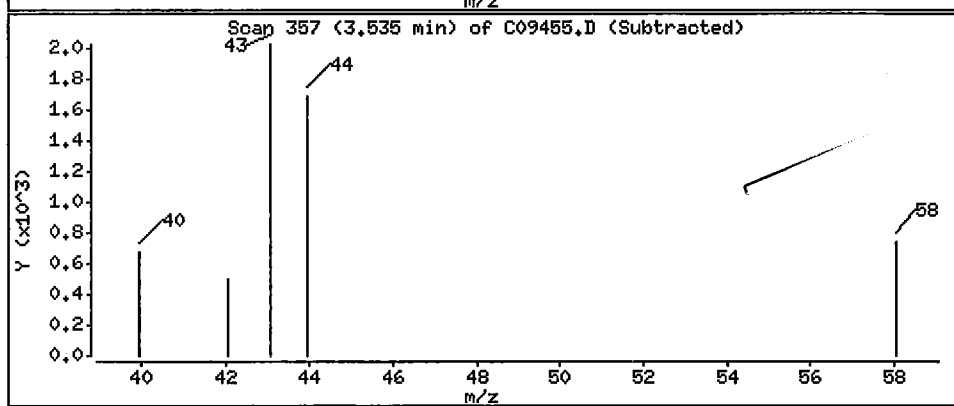
Sample Info: DLFKM101,,1,,0,1,0,8260BCL.M,C09455

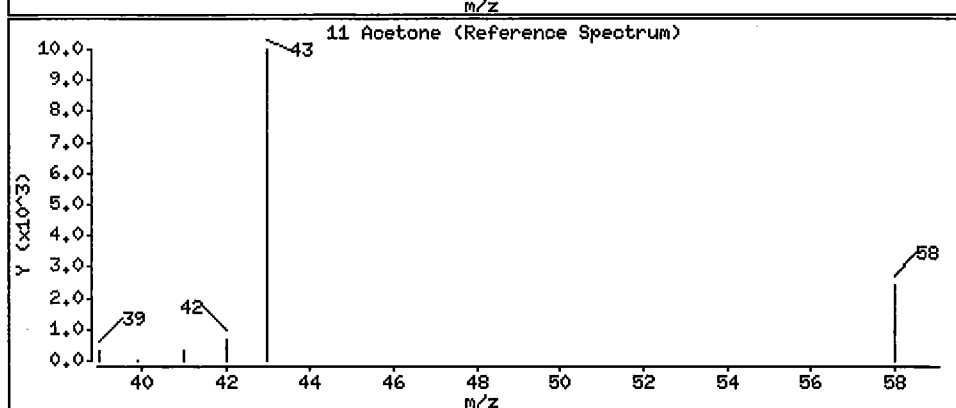
Purge Volume: 25.0 Operator: RRT

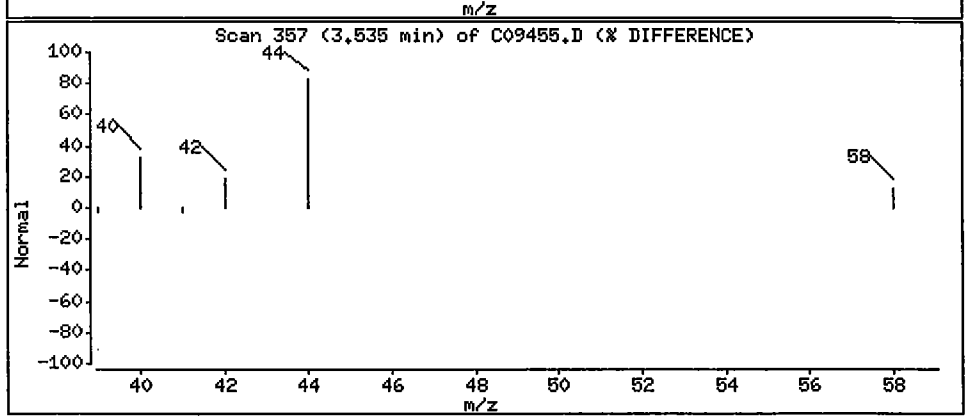
Column phase: J&W DB-624 Column diameter: 0.53

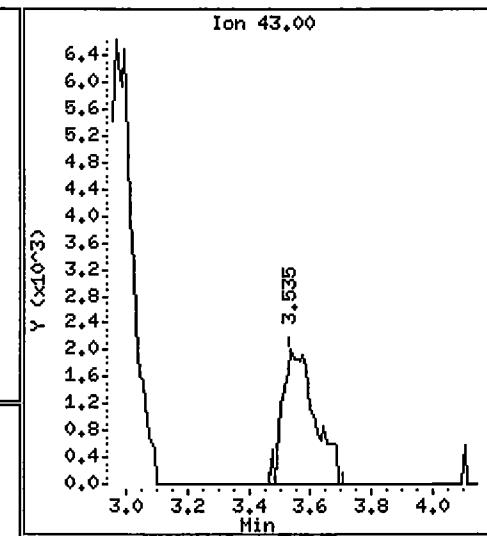
11 Acetone Concentration: 5.18 ug/L

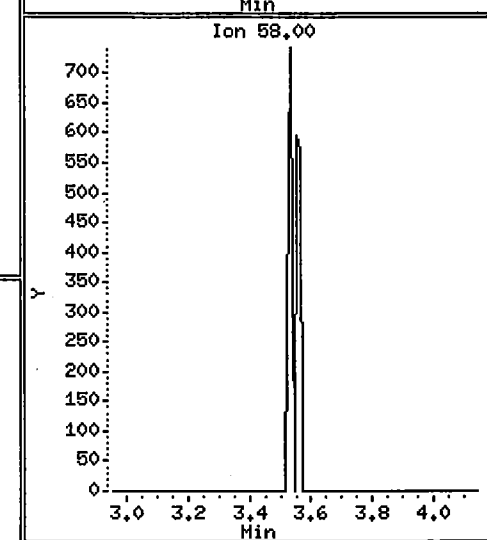












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09455.D

Date : 04-OCT-2000 10:28

Client ID: C09455

Instrument: mc.i

Sample Info: DLFKM101,,1,,0,1,0,8260BCL.M,C09455

Purge Volume: 25.0

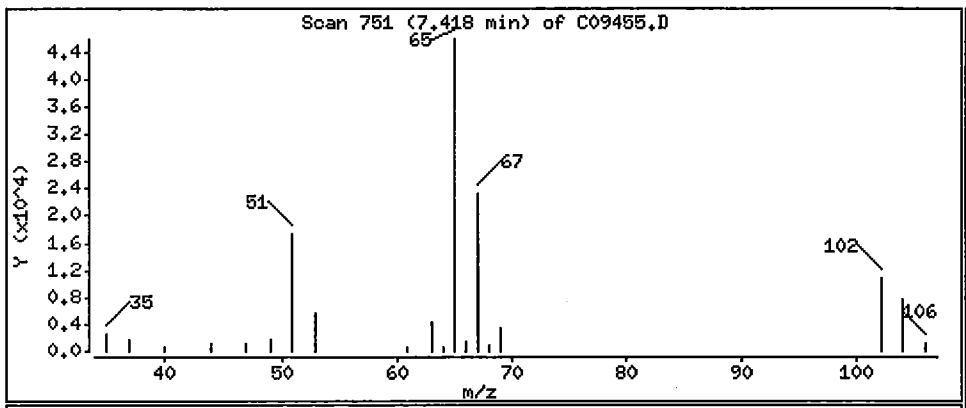
Operator: RRT

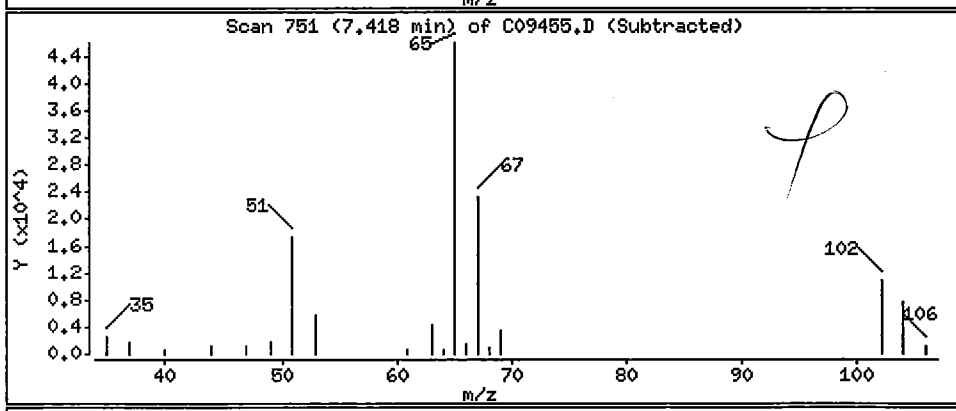
Column phase: J&W DB-624

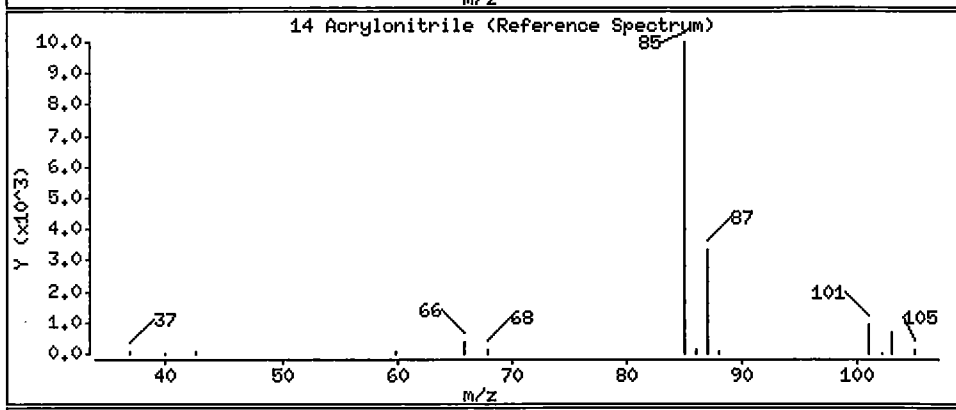
Column diameter: 0.53

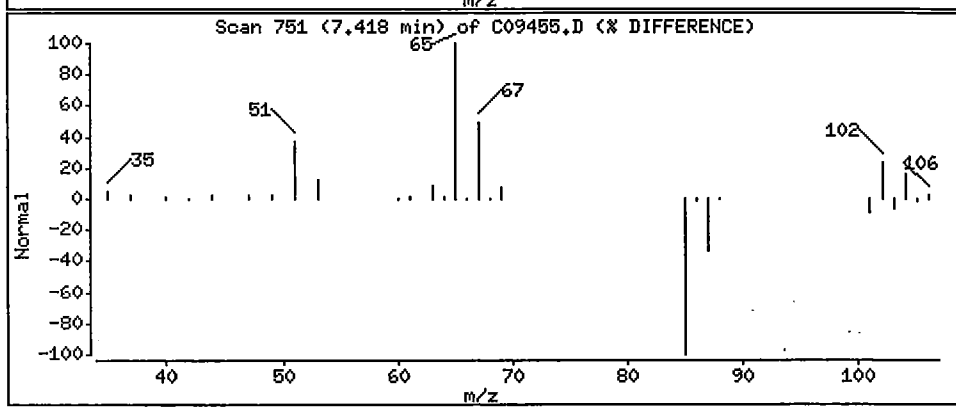
14 Acrylonitrile

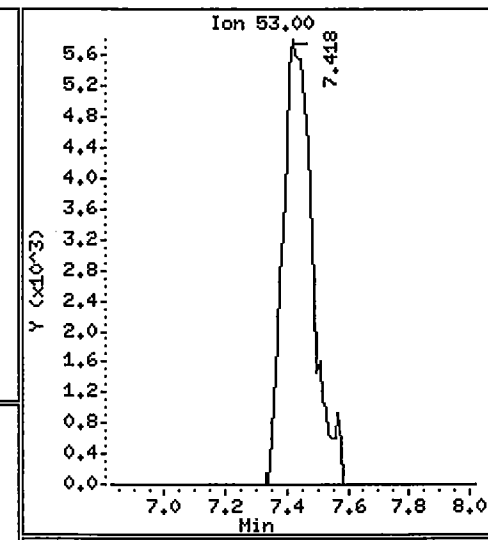
Concentration: 82.89 ug/L

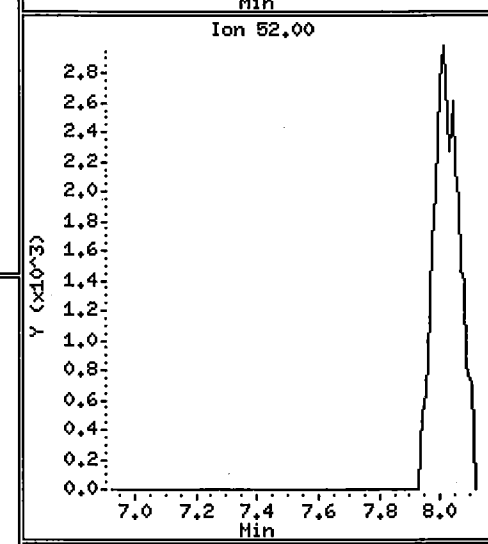


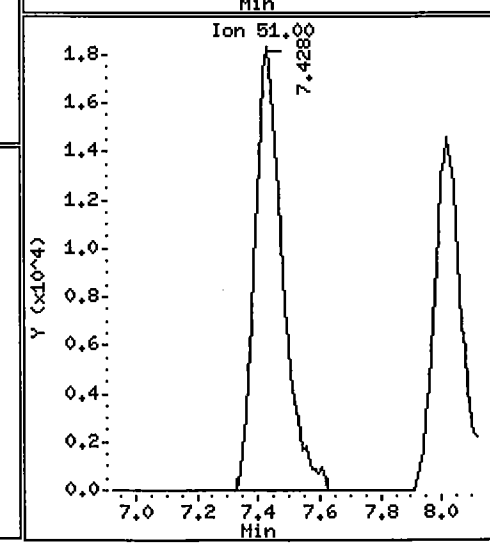












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09455.D

Date : 04-OCT-2000 10:28

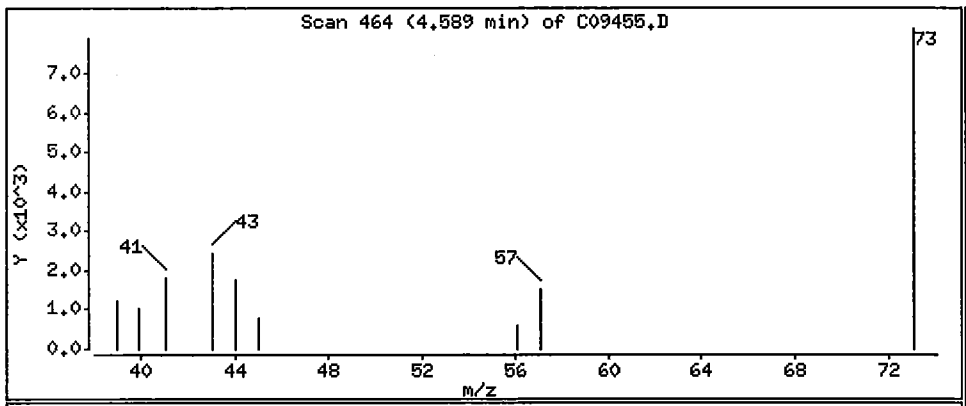
Client ID: C09455 Instrument: mc.i

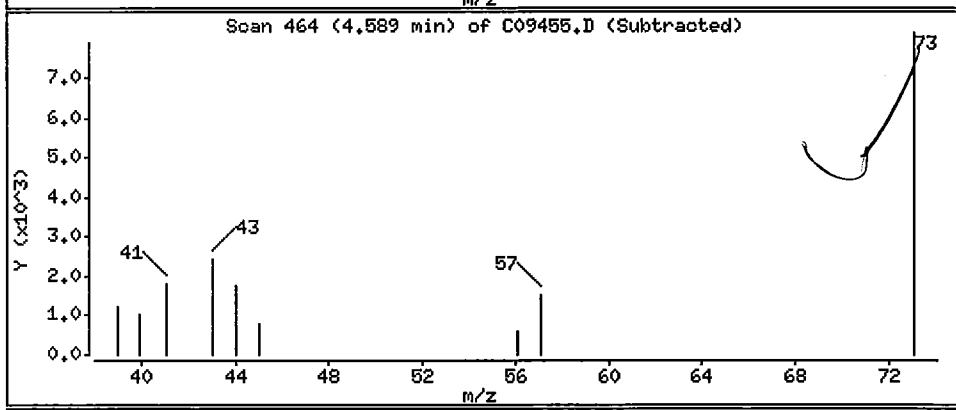
Sample Info: DLFKM101,,1,,0,1,0,8260BCL.M,C09455

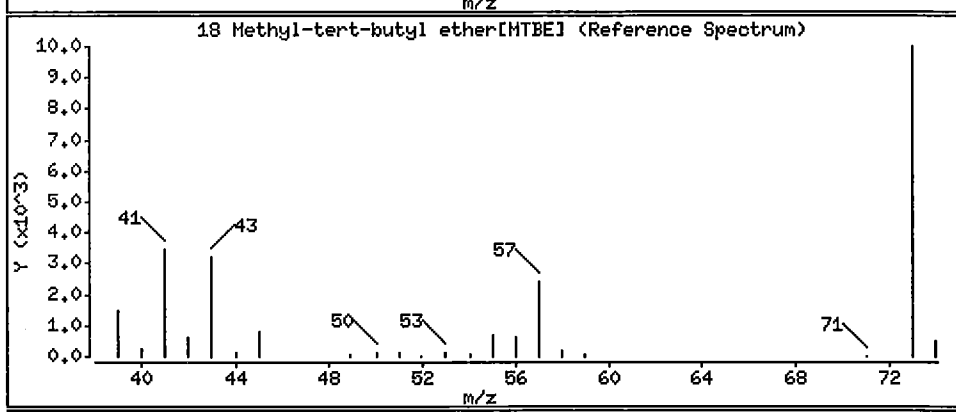
Purge Volume: 25.0 Operator: RRT

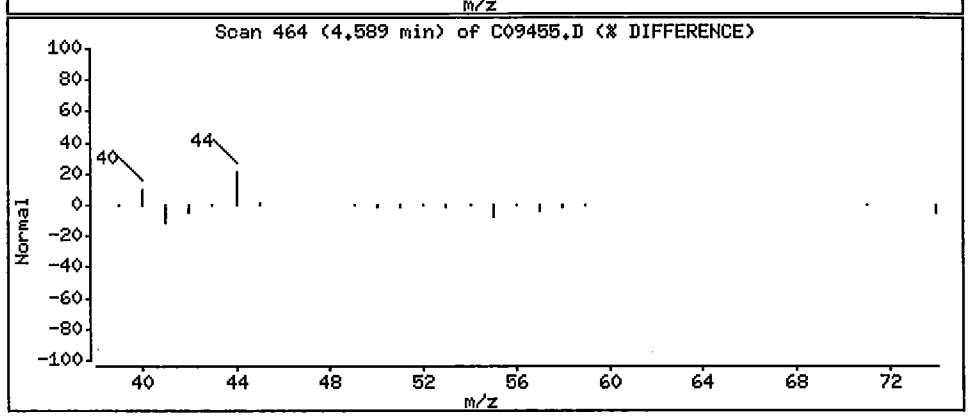
Column phase: J&W DB-624 Column diameter: 0.53

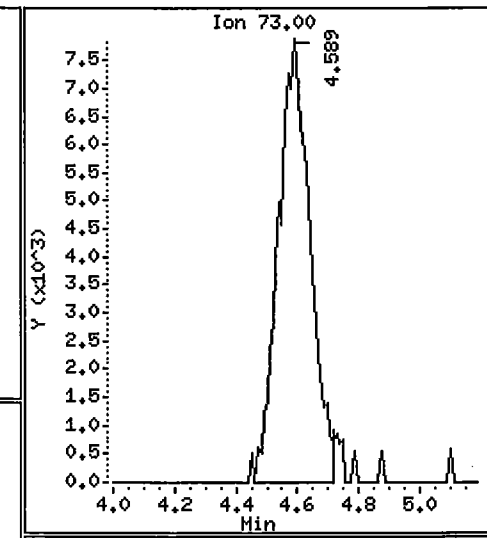
18 Methyl-tert-butyl ether[MTBE] Concentration: 1.43 ug/L

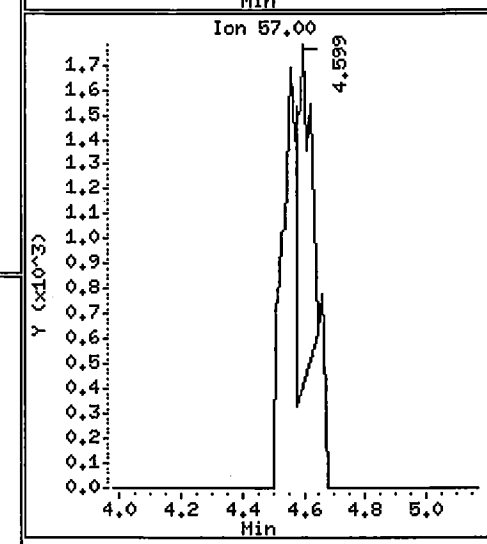












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09455.D

Date : 04-OCT-2000 10:28

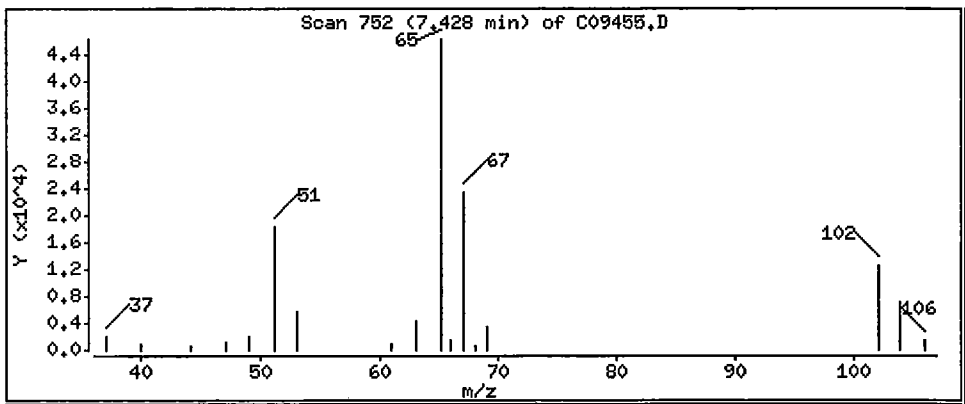
Client ID: C09455 Instrument: mc.i

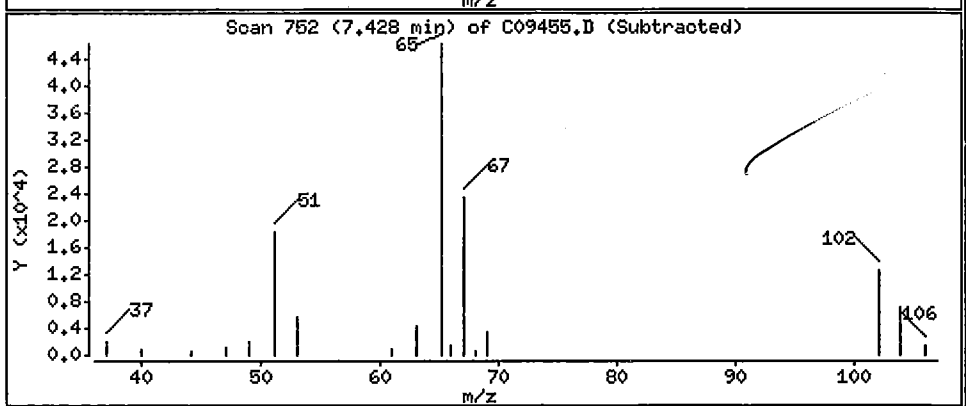
Sample Info: DLFKM101,,1,,0,1,0,8260BCL.M,C09455

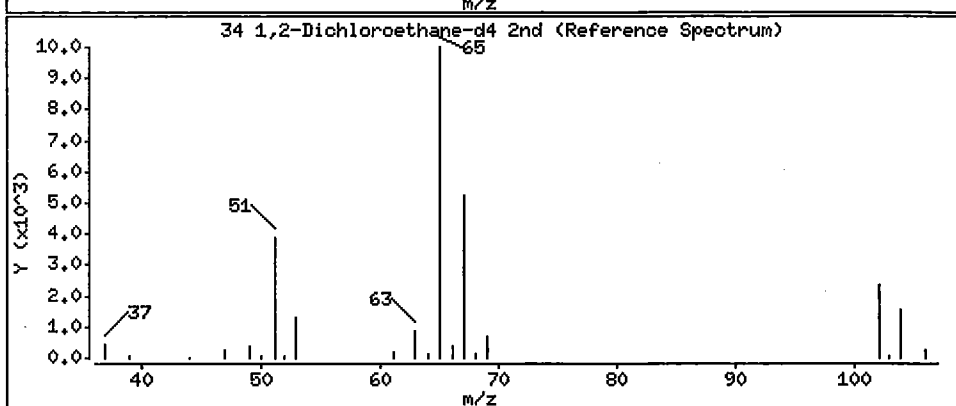
Purge Volume: 25.0 Operator: RRT

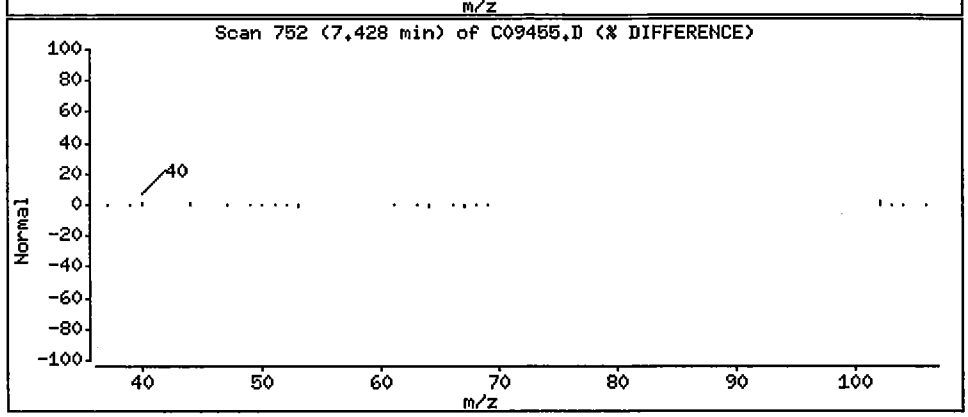
Column phase: J&W DB-624 Column diameter: 0.53

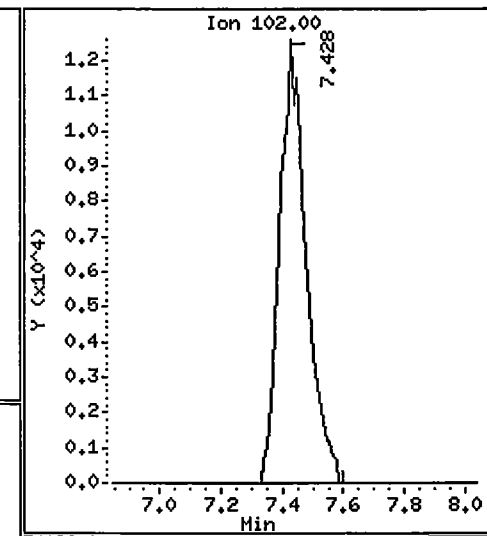
34 1,2-Dichloroethane-d4 2nd Concentration: 10.05 ug/L

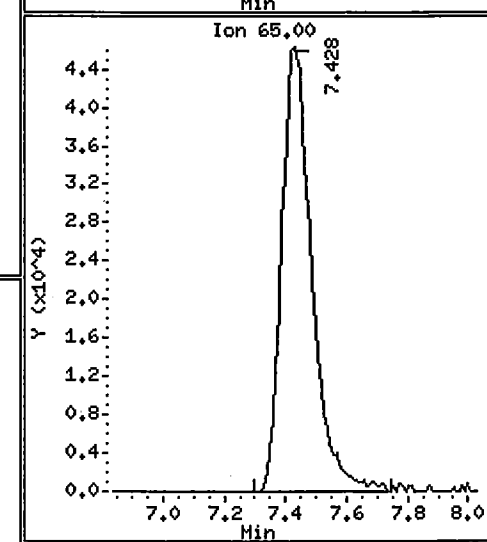












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09455.D

Date : 04-OCT-2000 10:28

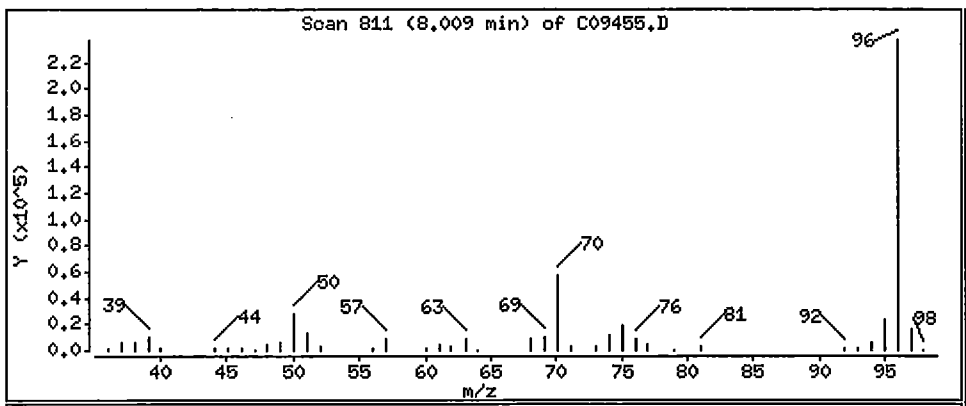
Client ID: C09455 Instrument: mc.i

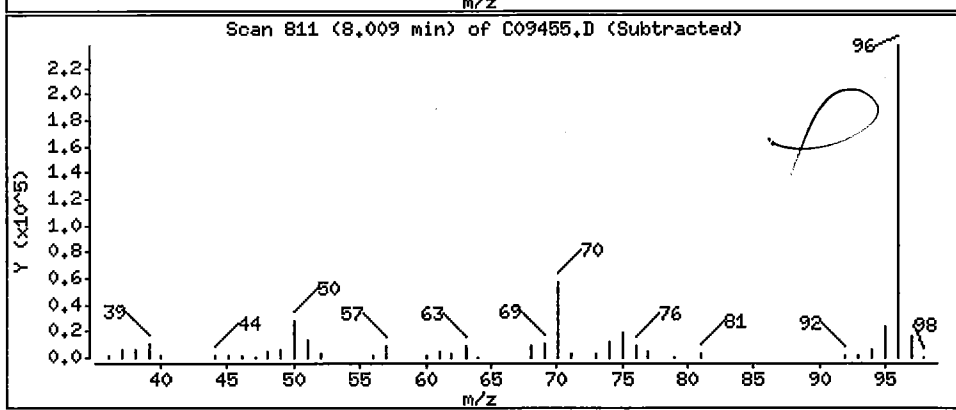
Sample Info: DLFKM101,,1,,0,1,0,8260BCL,M,C09455

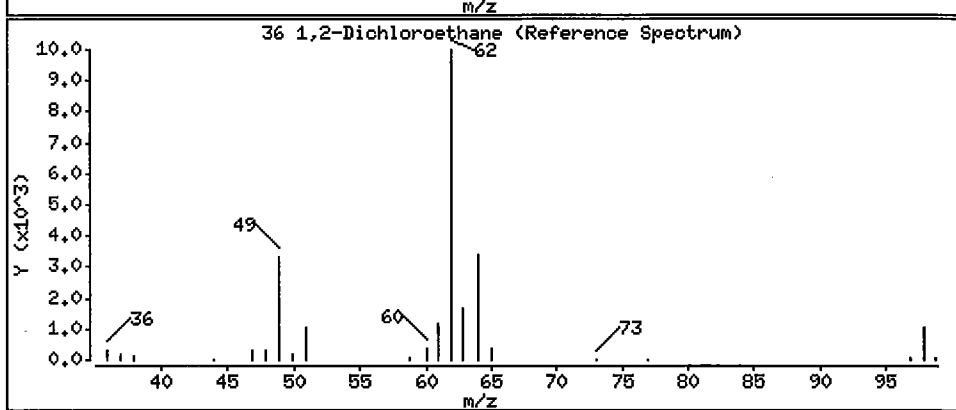
Purge Volume: 25.0 Operator: RRT

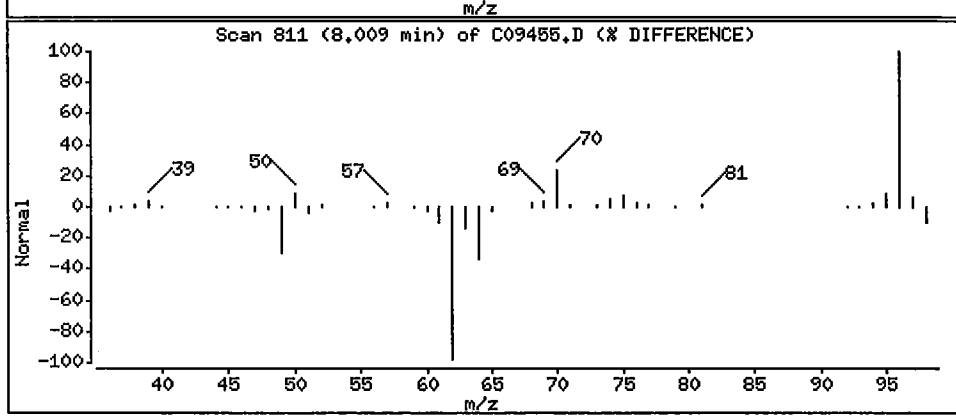
Column phase: J&W DB-624 Column diameter: 0.53

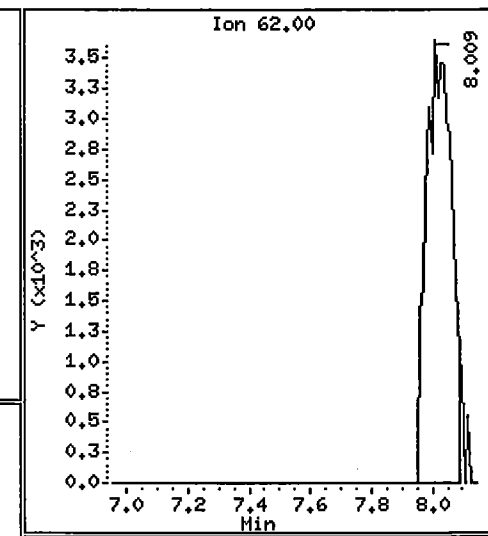
36 1,2-Dichloroethane Concentration: 0.607 ug/L

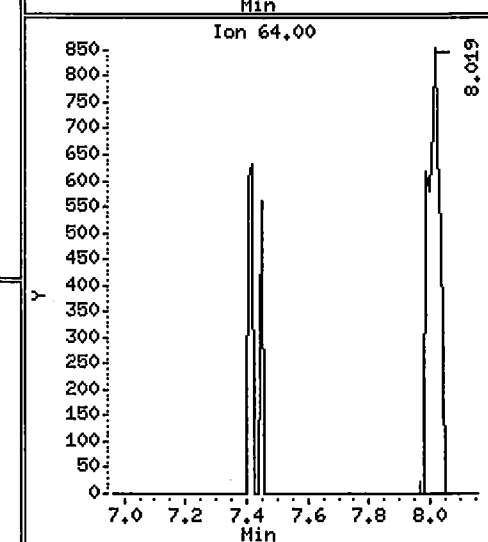


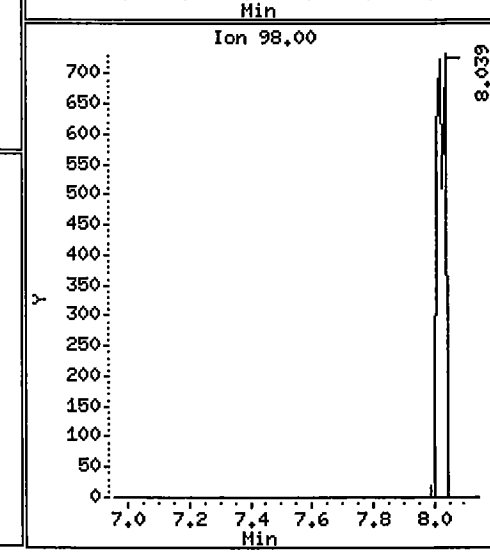












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09455.D

Date : 04-OCT-2000 10:28

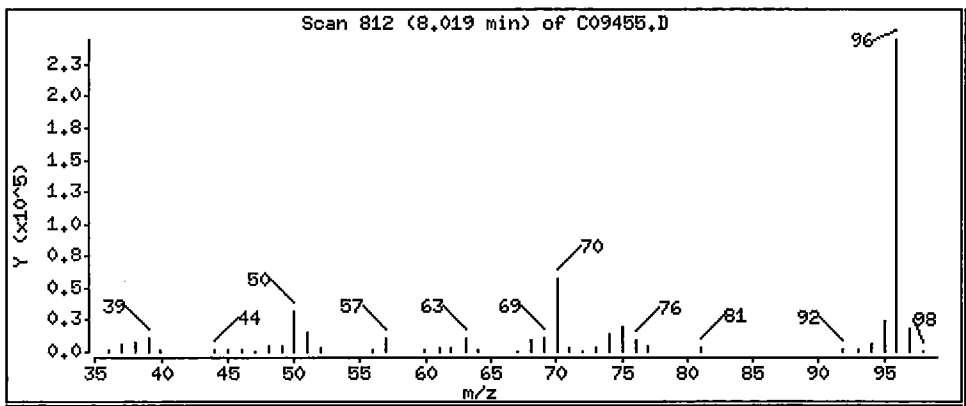
Client ID: C09455 Instrument: mc.i

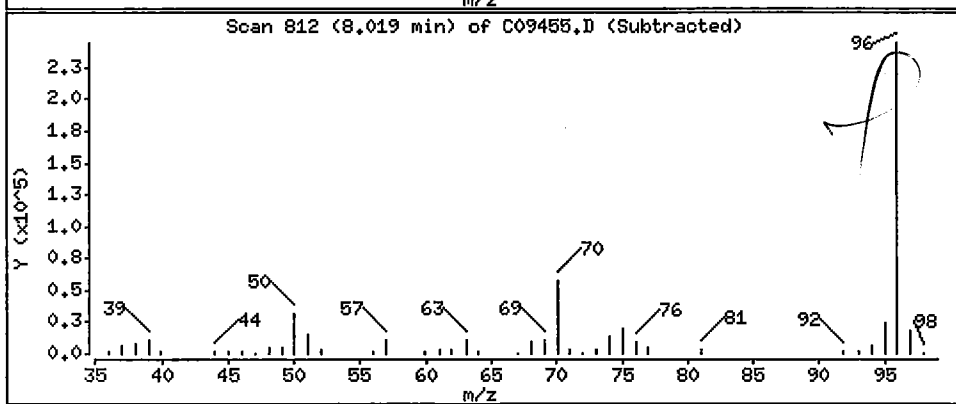
Sample Info: DLFKM101,,1,,0,1,0,8260BCL.M,C09455

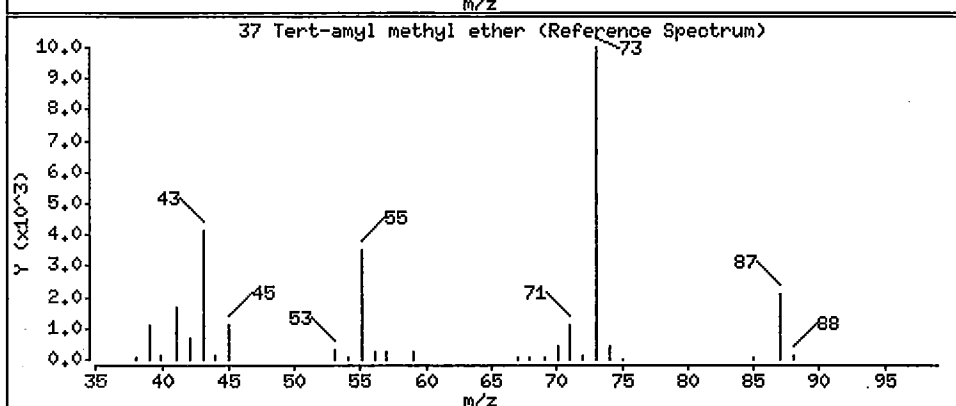
Purge Volume: 25.0 Operator: RRT

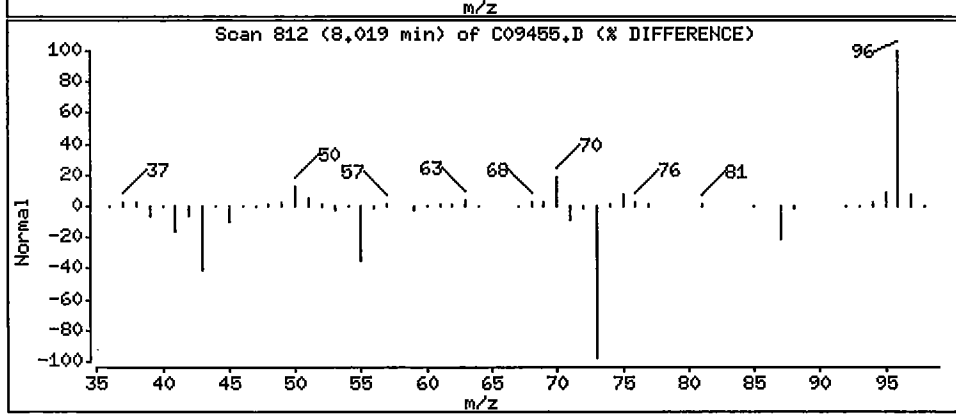
Column phase: J&W DB-624 Column diameter: 0.53

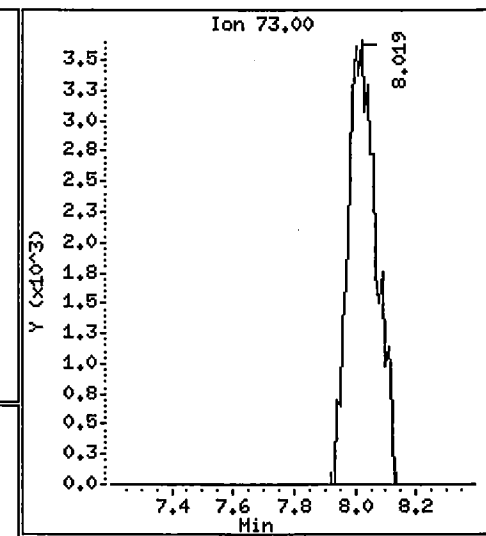
37 Tert-amyl methyl ether Concentration: 0.410 ug/L

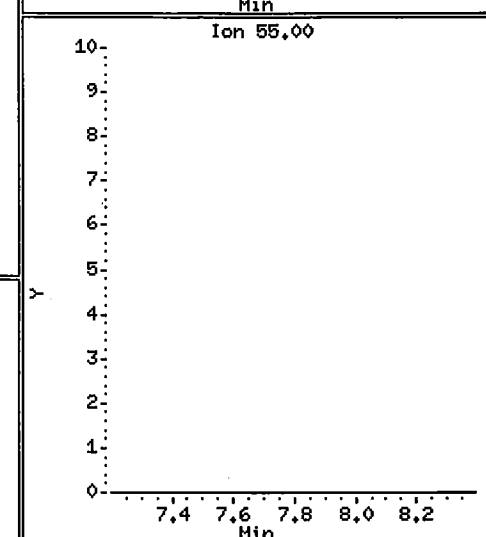


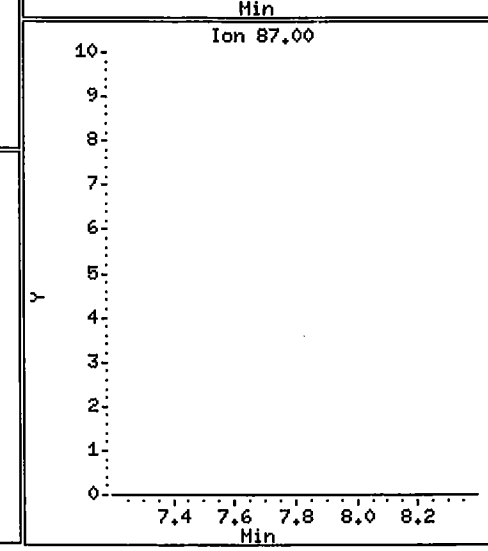












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09455.D

Date : 04-OCT-2000 10:28

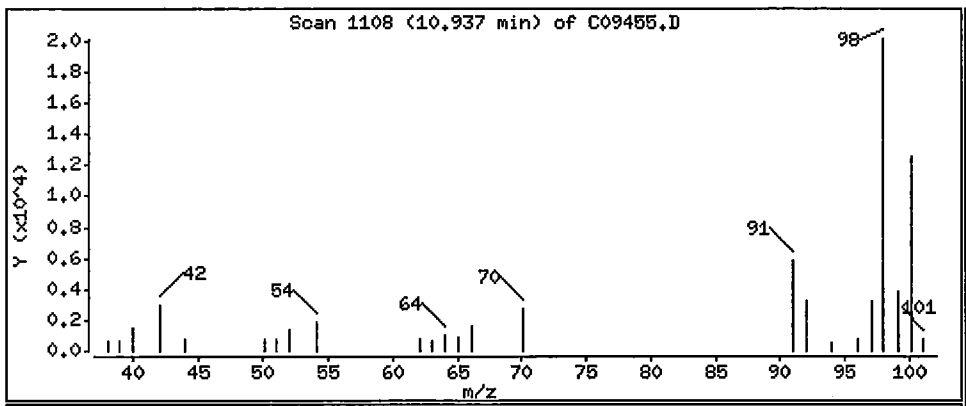
Client ID: C09455 Instrument: mc.i

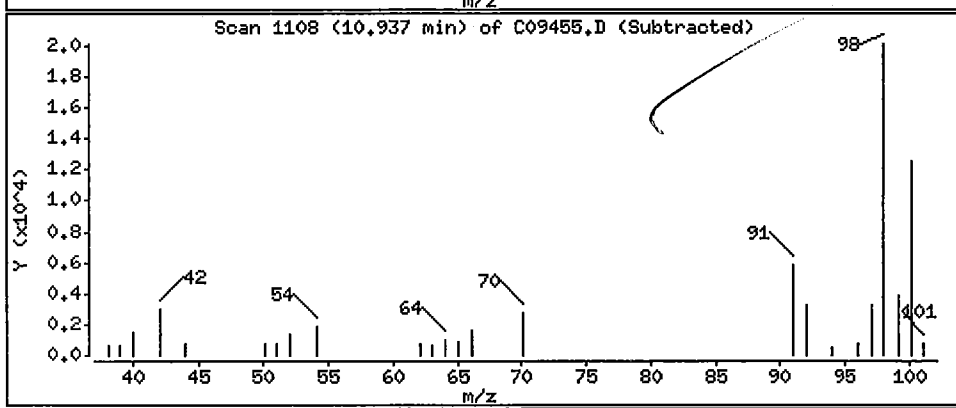
Sample Info: DLFKM101,,1,,0,1,0,8260BCL.M,C09455

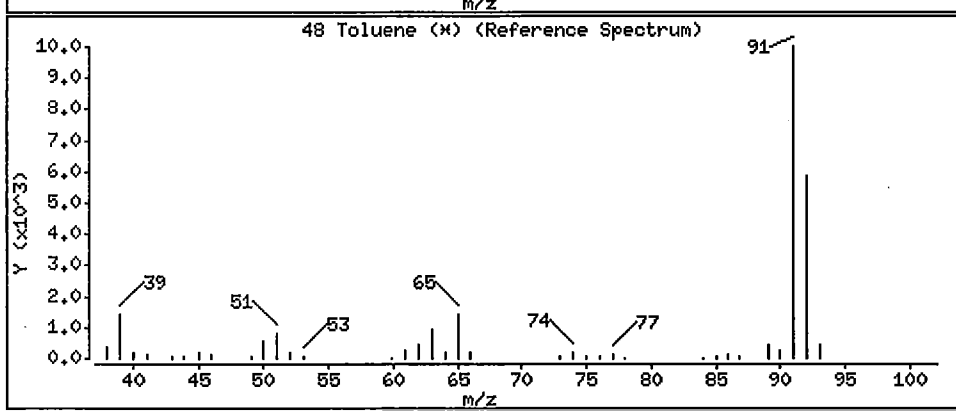
Purge Volume: 25.0 Operator: RRT

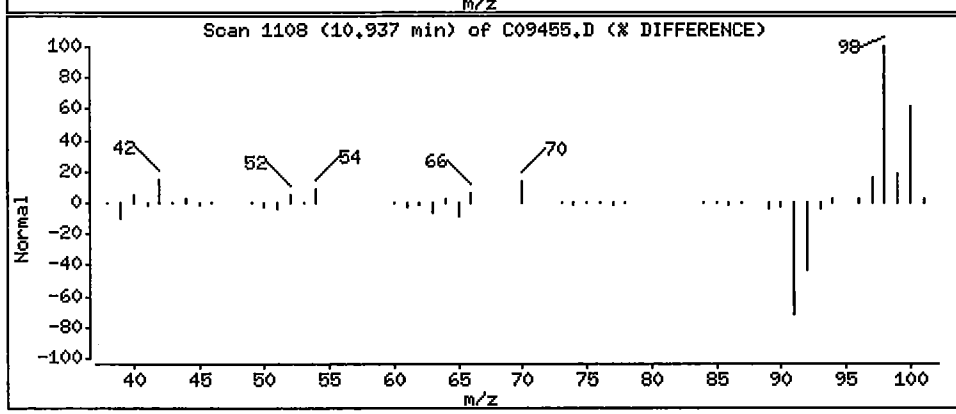
Column phase: J&W DB-624 Column diameter: 0.53

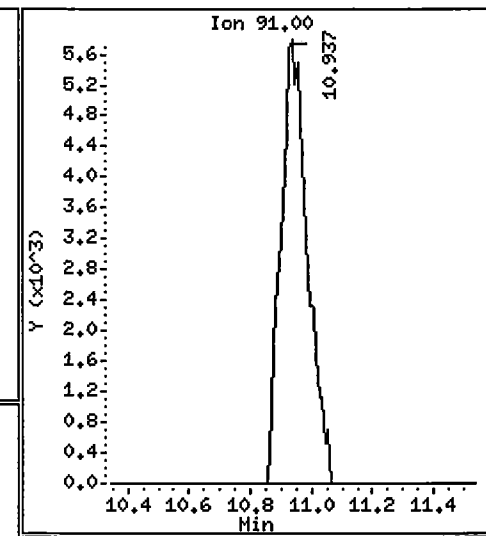
48 Toluene (*) Concentration: 0.230 ug/L

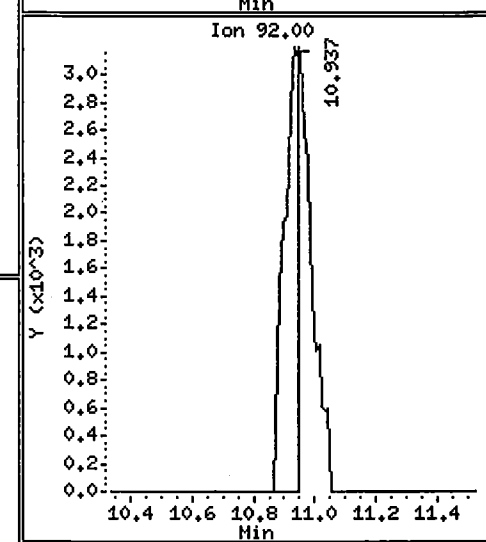


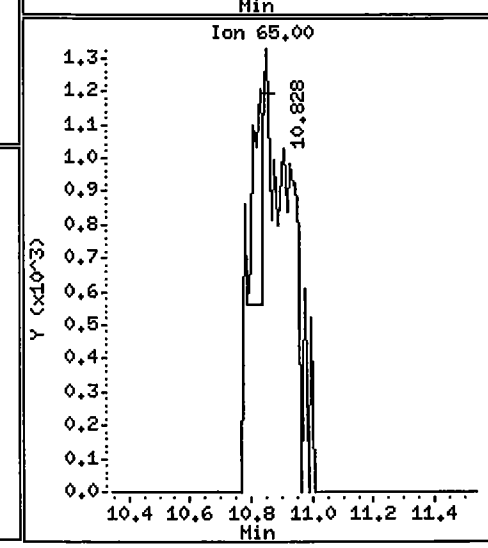












Data File: \\SANP2010\D\CHEM\MC.I\1004AC.B\C09455.D

Date : 04-OCT-2000 10:28

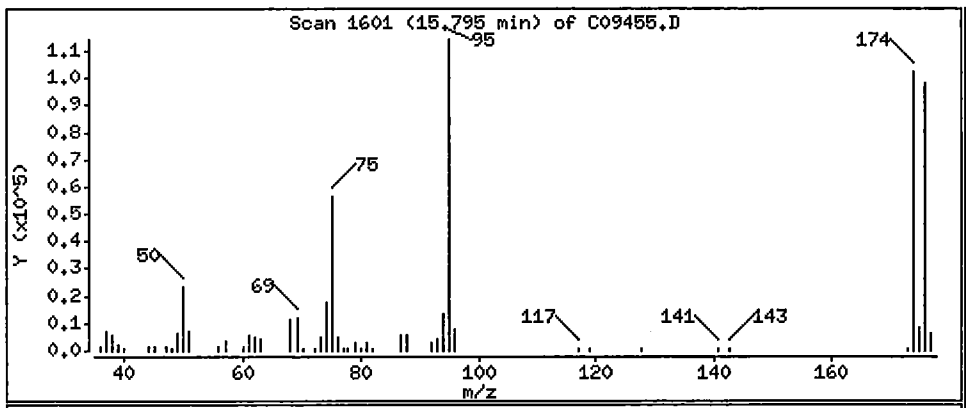
Client ID: C09455 Instrument: mc.i

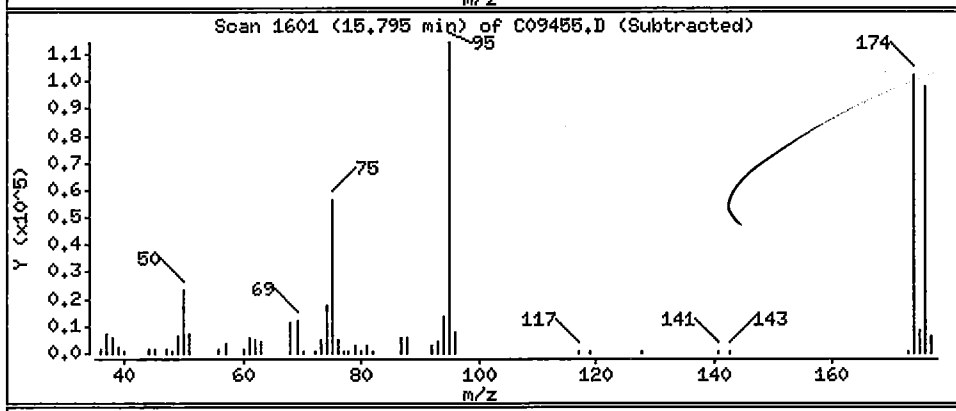
Sample Info: DLFKM101,,1,,0,1,0,8260BCL.M,C09455

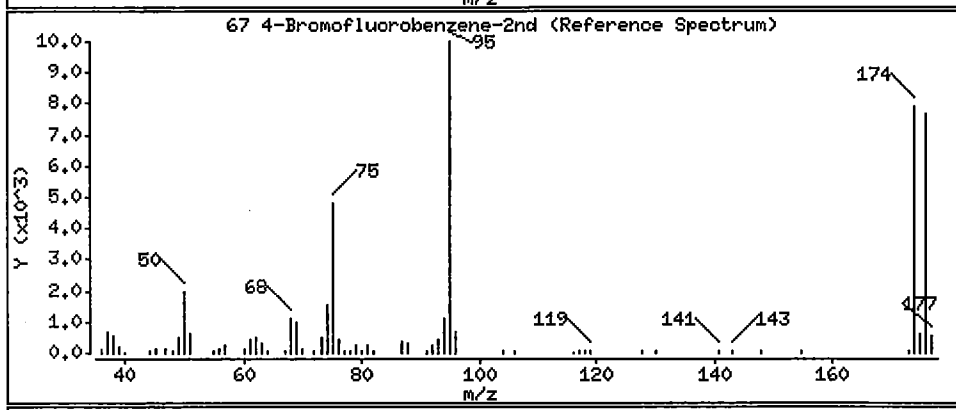
Purge Volume: 25.0 Operator: RRT

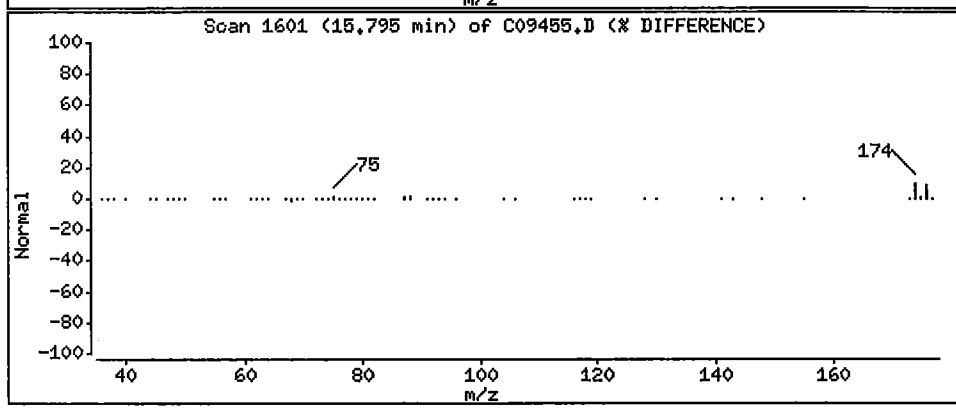
Column phase: J&W DB-624 Column diameter: 0.53

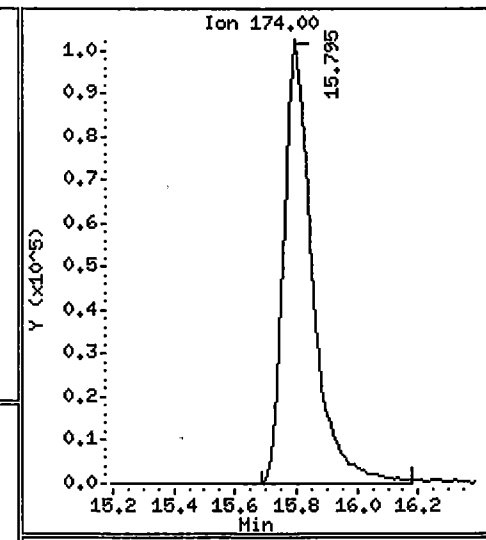
67 4-Bromofluorobenzene-2nd Concentration: 10.20 ug/L

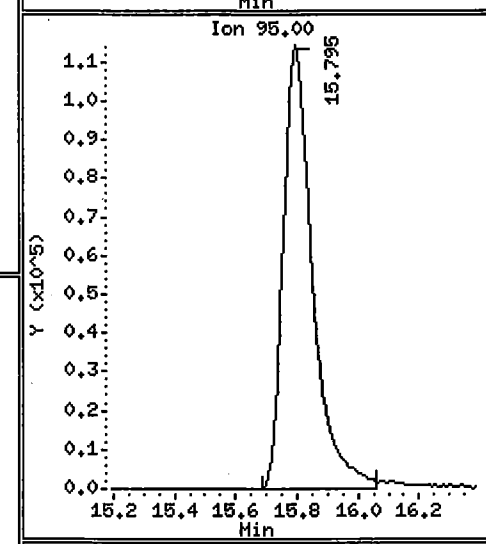


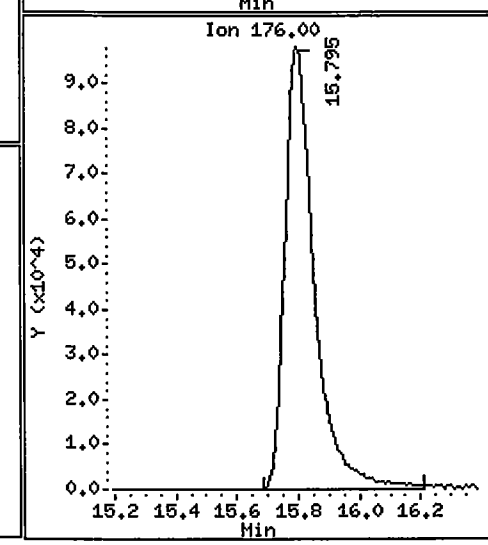












8260B SAMPLE / QC DATA

DATE ANALYZED: 101000

INSTRUMENT ID: MSD

SAMPLES: EDJ030150-1-11

BOE-C6-0147484

STL Los A[illegible]les

FJ 10/16/00

Batch ID: 0285495

GC/MS VOA Run Log

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

Instr ID: MSD	EM Set: 1706	Tune File: BFB	Seq File: 1010BD
Init. Cal ID: 8260BDA 10-4-00			Date: 10-10-00

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
20:41	GFB	DT1572	50ng BFB	–	–	4	–	–	✓			
20:56		D52537	50ppb 8260B	1	Soil	5g	1	71	✓			
21:39		32	50ppb	1				154	✓			
22:24		D12894	10/100ng-LCS-S	2				150	✓			
22:86		95	MB-S	3				141	✓			
23:27		96	DLC8W101	4				136	✓			EOI290371-39
23:59		97	DLC8X101	5				130	✓			40
0:37		98	DLC94101	6				129	✓			43
1:03		99	DLFGE101	7				131	✓			EOI030150-1
1:34		900	DLFGN101	8				134	✓			2
2:06		1	DLFGQ101	9				130	✓			3
2:37		2	DLFGV101	10				128	✓			4
3:04		3	DLFHQ101	11				129	✓			5
3:41		4	DLFGE102	12				130	✓			1MS
4:12		5	DLFGE103	13				132	✓			1MSD
4:44		6	DLFHV101	14				131	✓			6
5:16		7	DLFHX101	15				128	✓			7
5:47		8	DLFJJ101	16				128	✓			8
6:19		9	DLFJ4101	17				123	✓			9
6:51		10	DLFJ6101	18				121	✓			10
7:22		11	DLFJ8101	19				118	✓			11

000410

000038

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

Version 01/04/99

BOE-C6-0147485

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA02193

Lab File ID (Standard): DS2532 Date Analyzed: 10/10/00

Instrument ID: MD Time Analyzed: 2139

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	1541323	7.08	1328909	12.61	976735	17.26
	UPPER LIMIT	3082646	7.58	2657818	13.11	1953470	17.76
	LOWER LIMIT	770662	6.58	664455	12.11	488368	16.76
	EPA SAMPLE NO.						
01	D12894	1501067	7.07	1268903	12.60	940859	17.26
02	D12895	1411811	7.08	1252653	12.61	911699	17.26
03	D12896	1366618	7.08	1222929	12.61	841844	17.26
04	D12897	1307409	7.08	1172204	12.59	845236	17.25
05	D12898	1298018	7.08	1140233	12.60	782031	17.25
06	D12899	1310115	7.08	1155344	12.60	843398	17.25
07	D12900	1345285	7.08	1184717	12.60	870999	17.25
08	D12901	1307889	7.08	1141228	12.61	811214	17.26
09	D12902	1289861	7.08	1128838	12.59	816592	17.24
10	D12903	1296929	7.08	1137829	12.61	807857	17.26
11	D12904	1303621	7.08	1141092	12.59	862178	17.24
12	D12905	1321226	7.08	1153775	12.60	849179	17.26
13	D12906	1316803	7.08	1123578	12.61	716445	17.26
14	D12907	1283371	7.08	1145436	12.60	801857	17.25
15	D12908	1289851	7.08	1123887	12.60	788069	17.26
16	D12909	1237431	7.08	1076426	12.60	707904	17.26
17	D12910	1217127	7.08	1070790	12.59	777442	17.25
18	D12911	1186851	7.08	1014695	12.60	664564	17.26
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.

STL Los Angeles

Data file : \\SANP2021\D\CHEM\MD.I\1010BD.B\DT1572.D
Lab Smp Id:
Inj Date : 10-OCT-2000 20:41
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\1010BD.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		
1.7787	1.8000	(0.000)	95	83272			0.00- 100.00	100.00
1.7787	1.8000	(0.000)	50	15373			15.00- 40.00	18.46
1.7787	1.8000	(0.000)	75	40109			30.00- 60.00	48.17
1.7787	1.8000	(0.000)	96	6370			5.00- 9.00	7.65
1.7787	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.7787	1.8000	(0.000)	174	67594			50.00- 0.00	81.17
1.7787	1.8000	(0.000)	175	5505			5.00- 9.00	8.14
1.7787	1.8000	(0.000)	176	66901			95.00- 101.00	98.97
1.7787	1.8000	(0.000)	177	5024			5.00- 9.00	7.51

10-11-8

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\DT1572.D

Date : 10-OCT-2000 20:41

Client ID:

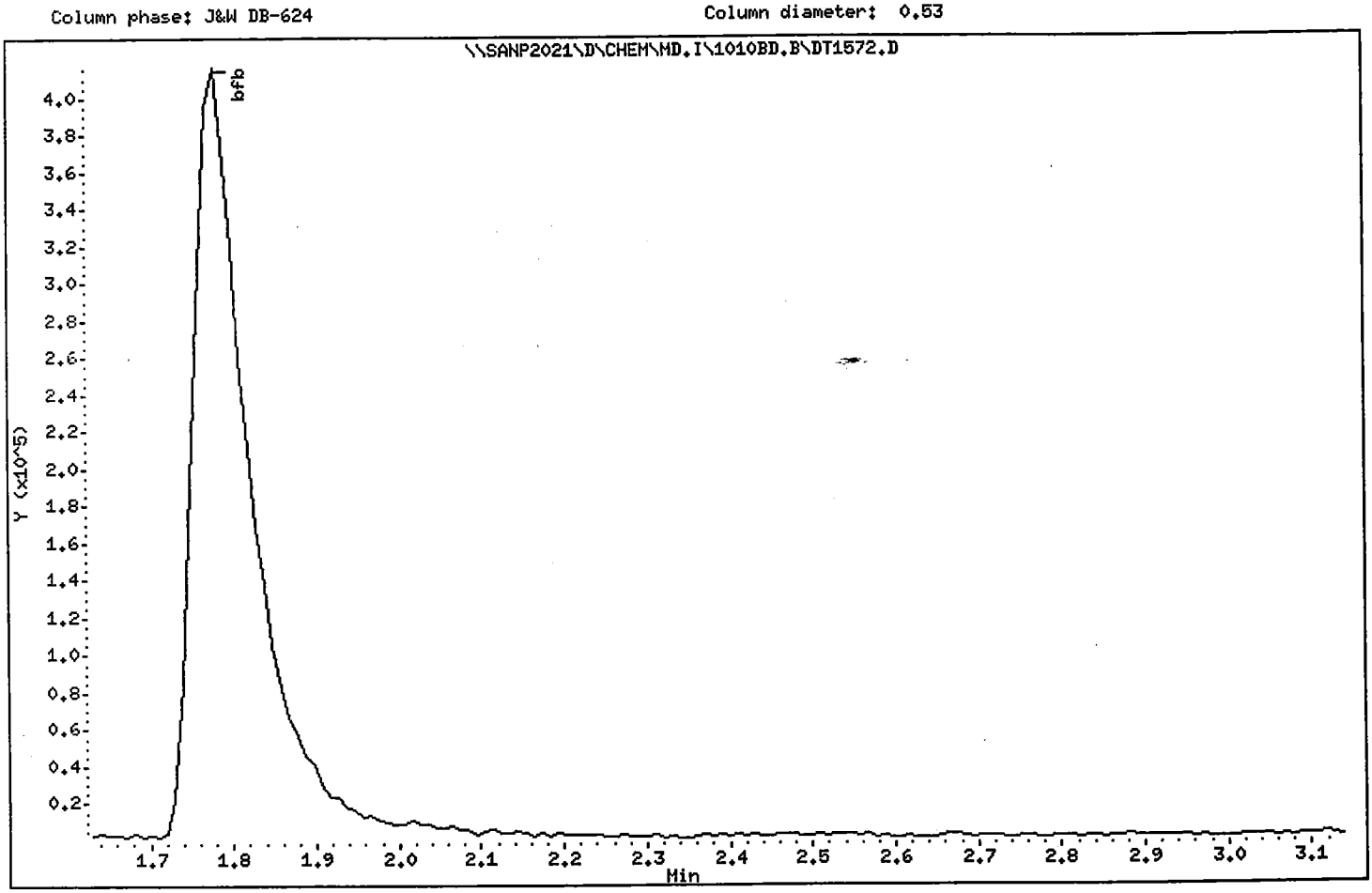
Instrument: md.i

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\1010BD.B\DT1572.D

Date : 10-OCT-2000 20:41

Client ID:

Instrument: md.i

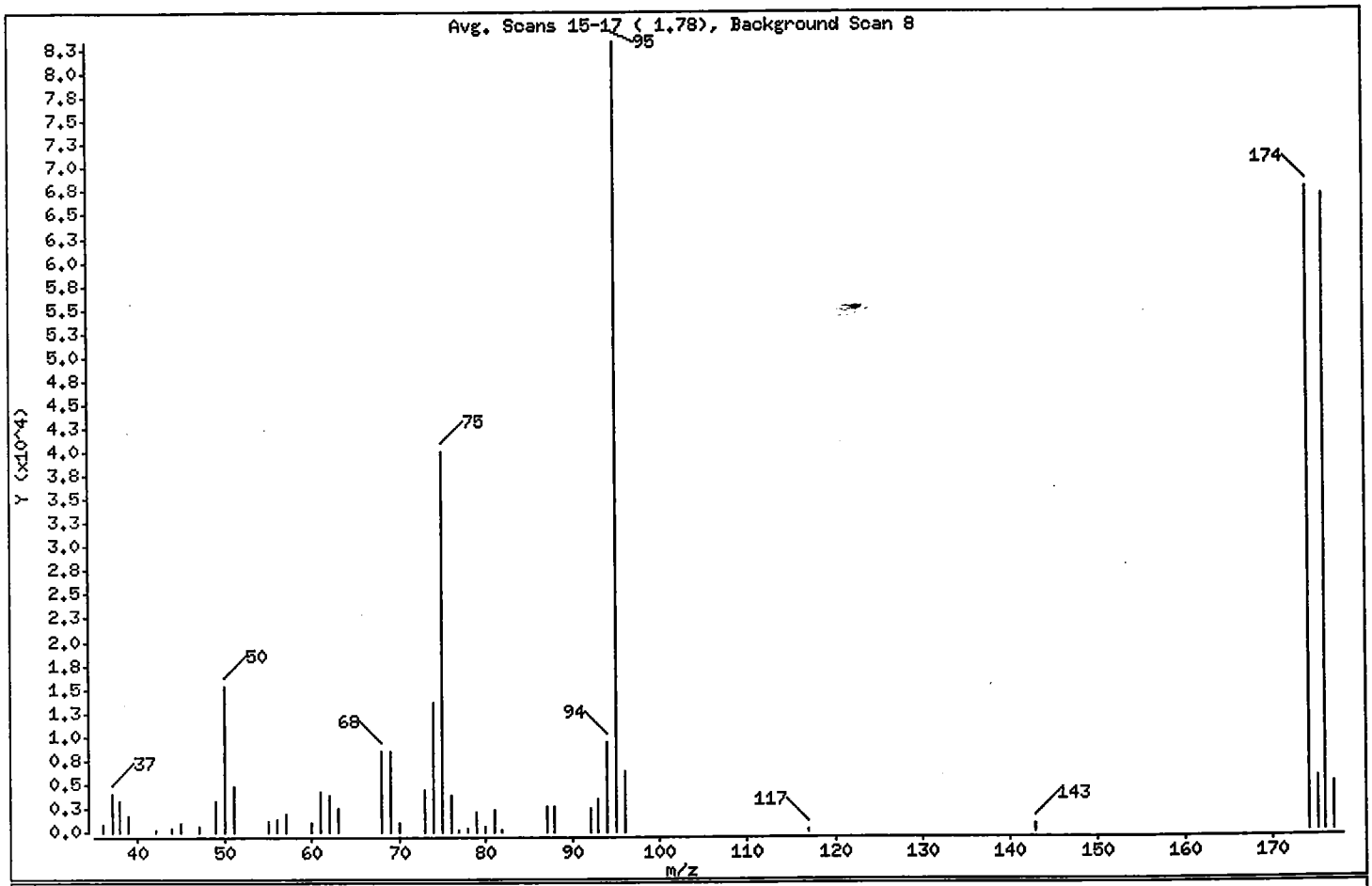
Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

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	18.46
75	30.00 - 60.00% of mass 95	48.17
96	5.00 - 9.00% of mass 95	7.65
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	81.17
175	5.00 - 9.00% of mass 174	6.61 (8.14)
176	95.00 - 101.00% of mass 174	80.34 (98.97)
177	5.00 - 9.00% of mass 176	6.03 (7.51)

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\DT1572.D

Date : 10-OCT-2000 20:41

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: DT1572.D
Spectrum: Avg. Scans 15-17 (1.78), Background Scan 8
Location of Maximum: 95.00
Number of points: 44

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	859	56.00	1389	76.00	3798	95.00	83272
37.00	4026	57.00	1838	77.00	270	96.00	6370
38.00	3295	60.00	957	78.00	316	117.00	254
39.00	1751	61.00	4295	79.00	2193	143.00	782
42.00	283	62.00	3756	80.00	594	174.00	67592
44.00	313	63.00	2469	81.00	2278	175.00	5505
45.00	1049	68.00	8509	82.00	258	176.00	66896
47.00	586	69.00	8430	87.00	2607	177.00	5024
49.00	3307	70.00	902	88.00	2669		
50.00	15373	73.00	4317	92.00	2395		
51.00	4721	74.00	13634	93.00	3385		
55.00	1126	75.00	40104	94.00	9372		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i Injection Date: 10-OCT-2000 21:39
Lab File ID: DS2532.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\1010BD.B\8260BDA.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Dichlorodifluoromethane	0.44644	0.42006	0.010	-5.9	50.0
	2 Vinyl chloride (*)	0.21607	0.21067	0.010	-2.5	20.0
	3 Chloromethane (**)	0.19012	0.18498	0.100	-2.7	50.0
	4 Bromomethane	0.21985	0.22101	0.010	0.5	50.0
	5 Chloroethane	0.13964	0.14635	0.010	4.8	50.0
	6 Trichlorofluoromethane	0.71629	0.74712	0.010	4.3	50.0
	7 Acrolein	0.01339	0.00849	0.001	-36.6	50.0
	8 1,1-Dichloroethene(*)	0.28163	0.25671	0.010	-8.8	20.0
	9 1,1,2-Trichlorotrifluoroeth	0.46984	0.44679	0.010	-4.9	50.0
	10 Acetone	0.05535	0.04890	0.010	-11.7	50.0
	11 Iodomethane	0.54249	0.51512	0.001	-5.0	50.0
	12 Carbon disulfide	0.63173	0.60846	0.010	-3.7	50.0
	13 Methylene chloride	0.28611	0.27162	0.010	-5.1	50.0
	14 t-Butanol	0.00726	0.00650	0.001	-10.5	20.0
	15 trans-1,2-Dichloroethene	0.32668	0.30735	0.010	-5.9	50.0
	16 Acrylonitrile	0.04256	0.03999	0.001	-6.0	20.0
	17 Methyl-tert-butyl ether[MTB	0.75221	0.69930	0.010	-7.0	50.0
	18 1,1-Dichloroethane (**)	0.56293	0.54043	0.100	-4.0	50.0
	19 Vinyl acetate	0.72587	0.60209	0.010	-17.1	50.0
	20 Isopropyl ether	0.97354	0.90252	0.010	-7.3	20.0
	21 2,2-Dichloropropane	0.61103	0.58926	0.010	-3.6	50.0
	22 Tert-butyl ethyl ether	0.93101	0.85806	0.010	-7.8	20.0
	23 cis-1,2-Dichloroethene	0.33158	0.32767	0.010	-1.2	50.0
	24 2-Butanone	0.09614	0.08006	0.010	-16.7	50.0
	25 Bromochloromethane	0.21883	0.21700	0.010	-0.8	50.0
	26 Chloroform (*)	0.73233	0.70135	0.010	-4.2	20.0
	27 Tetrahydrofuran	0.05809	0.06043	0.010	4.0	50.0
M	28 1,2-Dichloroethene (total)	0.32913	0.31751	0.010	-3.5	50.0
$	29 Dibromofluoromethane	0.71120	0.69723	0.010	-2.0	50.0
	30 1,1,1-Trichloroethane	0.76256	0.75978	0.010	-0.4	50.0
	31 Carbon Tetrachloride	0.72937	0.72378	0.010	-0.8	50.0
	32 1,1-Dichloropropene	0.54325	0.52301	0.010	-3.7	50.0
$	33 1,2-Dichloroethane-d4	0.48005	0.44347	0.010	-7.6	50.0
	34 1,2-Dichloroethane-d4 2nd	0.09685	0.09565	0.010	-1.2	50.0
	35 Benzene	0.84852	0.81384	0.010	-4.1	50.0

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2532.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m

Injection Date: 10-OCT-2000 21:39
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
	36 1,2-Dichloroethane	0.53432	0.51488	0.010	-3.6	50.0
	37 Tert-amyl methyl ether	0.88326	0.83163	0.010	-5.8	20.0
	39 Trichloroethene	0.46731	0.48427	0.010	3.6	50.0
	40 1,2-Dichloropropane(*)	0.34594	0.33325	0.010	-3.7	20.0
	41 Dibromomethane	0.32224	0.32298	0.010	0.2	50.0
	42 Bromodichloromethane	0.71616	0.72932	0.010	1.8	50.0
	43 1-Bromo-2-chloroethane	0.78851	0.80123	0.010	1.6	50.0
	44 2-Chloroethylvinyl ether	0.04393	0.05051	0.010	15.0	20.0
	45 cis-1,3-Dichloropropene	0.54033	0.51489	0.010	-4.7	50.0
	46 4-Methyl-2-pentanone	0.26017	0.23733	0.010	-8.8	50.0
$	47 Toluene-d8	1.15748	1.07849	0.010	-6.8	50.0
	48 Toluene (*)	1.22215	1.18697	0.010	-2.9	20.0
	49 trans-1,3-Dichloropropene	0.55799	0.54861	0.010	-1.7	50.0
	50 1,1,2-Trichloroethane	0.40315	0.37953	0.010	-5.9	50.0
	51 Tetrachloroethene	0.55481	0.56649	0.010	2.1	50.0
	52 1,3-Dichloropropane	0.63464	0.61767	0.010	-2.7	50.0
	53 2-Hexanone	0.22062	0.19557	0.010	-11.4	50.0
	54 Dibromochloromethane	0.73783	0.75535	0.010	2.4	50.0
	55 1,2-Dibromoethane	0.61043	0.59113	0.010	-3.2	50.0
	57 Chlorobenzene (**)	0.98253	0.96264	0.300	-2.0	50.0
	58 1,1,1,2-Tetrachloroethane	0.59402	0.59951	0.010	0.9	50.0
	59 Ethylbenzene (*)	0.45846	0.45059	0.010	-1.7	20.0
	60 m,p-Xylenes	0.57596	0.56588	0.010	-1.7	50.0
	61 o-Xylene	0.55644	0.53143	0.010	-4.5	50.0
	62 Styrene	0.92422	0.91998	0.010	-0.5	50.0
M	63 Xylenes (total)	0.56945	0.55440	0.010	-2.6	50.0
	64 Bromoform (**)	0.59517	0.61444	0.100	3.2	50.0
	65 Isopropylbenzene	1.75437	1.75757	0.010	0.2	50.0
	66 4-Bromofluorobenzene-2nd	0.99560	0.90830	0.010	-8.8	50.0
$	67 4-Bromofluorobenzene	1.32880	1.21391	0.010	-8.6	50.0
	68 Bromobenzene	0.83061	0.80646	0.010	-2.9	50.0
	69 1,1,2,2-Tetrachloroethane(*	0.85523	0.79445	0.300	-7.1	50.0
	70 1,2,3-Trichloropropane	0.28010	0.27834	0.010	-0.6	50.0
	71 n-Propylbenzene	2.58803	2.46447	0.010	-4.8	50.0
	72 2-Chlorotoluene	0.62571	0.61369	0.010	-1.9	50.0
	73 4-Chlorotoluene	0.65344	0.64476	0.010	-1.3	50.0

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2532.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m

Injection Date: 10-OCT-2000 21:39
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	2.00729	0.010	-3.6	50.0
75 tert-Butylbenzene	2.15036	2.05325	0.010	-4.5	50.0
76 1,2,4-Trimethylbenzene	2.11961	2.03484	0.010	-4.0	50.0
77 sec-Butylbenzene	2.82015	2.62716	0.010	-6.8	50.0
78 1,3-Dichlorobenzene	1.39311	1.34892	0.010	-3.2	50.0
80 1,4-Dichlorobenzene	1.51990	1.45092	0.010	-4.5	50.0
81 p-Isopropyltoluene	2.32696	2.19169	0.010	-5.8	50.0
82 1,2-Dichlorobenzene	1.33233	1.27903	0.010	-4.0	50.0
83 n-Butylbenzene	2.22197	2.05169	0.010	-7.7	50.0
84 1,2-Dibromo-3-chloropropane	0.28987	0.27535	0.010	-5.0	50.0
85 1,2,4-Trichlorobenzene	1.23050	1.15714	0.010	-6.0	50.0
86 Hexachlorobutadiene	0.92928	0.77928	0.010	-16.1	50.0
87 Napthalene	1.86163	1.66450	0.010	-10.6	50.0
88 1,2,3-Trichlorobenzene	1.14824	1.07406	0.010	-6.5	50.0

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2021\D\CHEM\MD.I\1010BD.B/DS2532.D
Inj. Date : 10-OCT-2000 21:39

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	7.08	0.02	1480718	1541323	104.1%
Chlorobenzene-d5	12.63	12.61	0.02	1259551	1328909	105.5%
1,4-Dichlorobenzene-d4	17.27	17.26	0.01	906122	976735	107.8%

8260B Area difference criteria: 50%-200%

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1010BD.B\DS2532.D
Lab Smp Id: 50 PPB 8260B STD
Inj Date : 10-OCT-2000 21:39
Operator : GFB Inst ID: md.i
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1251-2;49-2;47-1,,5,,2,all.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:04 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	1.454	1.454	(0.205)	647448	50.0000	47.04
2 Vinyl chloride (*)	62	1.691	1.691	(0.239)	324715	50.0000	48.75
3 Chloromethane (**)	50	1.622	1.622	(0.229)	285116	50.0000	48.65
4 Bromomethane	94	1.967	1.967	(0.278)	340649	50.0000	50.26
5 Chloroethane	64	2.055	2.055	(0.290)	225569	50.0000	52.40
6 Trichlorofluoromethane	101	2.292	2.292	(0.324)	1151556	50.0000	52.15
7 Acrolein	56	2.686	2.686	(0.379)	130905	500.000	317.2(AQ)
8 1,1-Dichloroethene(*)	96	2.775	2.775	(0.392)	395677	50.0000	45.58
9 1,1,2-Trichlorotrifluoroethan	151	2.794	2.794	(0.395)	688640	50.0000	47.55
10 Acetone	43	2.853	2.853	(0.403)	376887	250.000	220.9(Q)
11 Iodomethane	142	2.932	2.932	(0.414)	1587922	100.000	94.95
12 Carbon disulfide	76	2.991	2.991	(0.423)	937826	50.0000	48.16
13 Methylene chloride	84	3.317	3.317	(0.468)	418658	50.0000	47.47
14 t-Butanol	59	2.568	2.568	(0.363)	250391	1250.00	1118

	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	3.661	3.661	(0.517)	473723	50.0000	47.04
	16 Acrylonitrile	53	3.642	3.642	(0.514)	616355	500.000	469.8(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.701	3.701	(0.523)	1077850	50.0000	46.48
	18 1,1-Dichloroethane (**)	63	4.243	4.243	(0.599)	832980	50.0000	48.00
	19 Vinyl acetate	43	4.390	4.390	(0.620)	1856021	100.000	82.95
	20 Isopropyl ether	45	4.410	4.410	(0.623)	1391073	50.0000	46.35
	21 2,2-Dichloropropane	77	5.129	5.129	(0.724)	908238	50.0000	48.22
	22 Tert-butyl ethyl ether	59	5.001	5.001	(0.706)	1322547	50.0000	46.08
	23 cis-1,2-Dichloroethene	96	5.159	5.159	(0.729)	505041	50.0000	49.41
	24 2-Butanone	43	5.247	5.247	(0.741)	616989	250.000	208.2
	25 Bromochloromethane	128	5.543	5.543	(0.783)	334466	50.0000	49.58
	26 Chloroform (*)	83	5.710	5.710	(0.807)	1081005	50.0000	47.88
	27 Tetrahydrofuran	42	5.661	5.661	(0.800)	93136	50.0000	52.01
M	28 1,2-Dichloroethene (total)	100				978764	100.000	96.45
$	29 Dibromofluoromethane	111	5.977	5.977	(0.844)	1074663	50.0000	49.02
	30 1,1,1-Trichloroethane	97	5.957	5.957	(0.841)	1171071	50.0000	49.82
	31 Carbon Tetrachloride	117	6.233	6.233	(0.880)	1115575	50.0000	49.62
	32 1,1-Dichloropropene	75	6.243	6.243	(0.882)	806123	50.0000	48.14
$	33 1,2-Dichloroethane-d4	65	6.499	6.499	(0.918)	683530	50.0000	46.19
	34 1,2-Dichloroethane-d4 2nd	102	6.518	6.518	(0.921)	147425	50.0000	49.38
	35 Benzene	78	6.578	6.578	(0.929)	1254393	50.0000	47.96
	36 1,2-Dichloroethane	62	6.637	6.637	(0.937)	793600	50.0000	48.18
	37 Tert-amyl methyl ether	73	6.873	6.873	(0.971)	1281808	50.0000	47.08
*	38 Fluorobenzene	96	7.080	7.080	(1.000)	1541323	50.0000	
	39 Trichloroethene	130	7.720	7.720	(1.090)	746422	50.0000	51.81
	40 1,2-Dichloropropane(*)	63	8.114	8.114	(1.146)	513648	50.0000	48.16
	41 Dibromomethane	93	8.321	8.321	(1.175)	497809	50.0000	50.11
	42 Bromodichloromethane	83	8.637	8.637	(1.220)	1124116	50.0000	50.92
	43 1-Bromo-2-chloroethane	63	9.149	9.149	(1.292)	1234947	50.0000	50.81
	44 2-Chloroethylvinyl ether	106	9.257	9.257	(1.308)	155709	100.000	115.0(AQ)
	45 cis-1,3-Dichloropropene	75	9.454	9.454	(1.335)	793605	50.0000	47.64
	46 4-Methyl-2-pentanone	43	9.799	9.799	(1.384)	1828992	250.000	228.0
$	47 Toluene-d8	98	9.908	9.908	(0.786)	1433216	50.0000	46.59
	48 Toluene (*)	91	10.026	10.026	(0.795)	1577377	50.0000	48.56
	49 trans-1,3-Dichloropropene	75	10.518	10.518	(0.834)	729057	50.0000	49.16
	50 1,1,2-Trichloroethane	97	10.834	10.834	(0.859)	504360	50.0000	47.07
	51 Tetrachloroethene	164	11.031	11.031	(0.875)	752814	50.0000	51.05
	52 1,3-Dichloropropane	76	11.129	11.129	(0.883)	820826	50.0000	48.66
	53 2-Hexanone	43	11.376	11.376	(0.902)	1299451	250.000	221.6
	54 Dibromochloromethane	129	11.523	11.523	(0.914)	1003786	50.0000	51.19
	55 1,2-Dibromoethane	107	11.691	11.691	(0.927)	785552	50.0000	48.42
*	56 Chlorobenzene-d5	117	12.607	12.607	(1.000)	1328909	50.0000	
	57 Chlorobenzene (**)	112	12.656	12.656	(1.004)	1279254	50.0000	48.99
	58 1,1,1,2-Tetrachloroethane	131	12.844	12.844	(1.019)	796694	50.0000	50.46
	59 Ethylbenzene (*)	106	12.922	12.922	(1.025)	598794	50.0000	49.14
	60 m,p-Xylenes	106	13.169	13.169	(1.045)	1504011	100.000	98.25
	61 o-Xylene	106	13.908	13.908	(1.103)	706219	50.0000	47.75

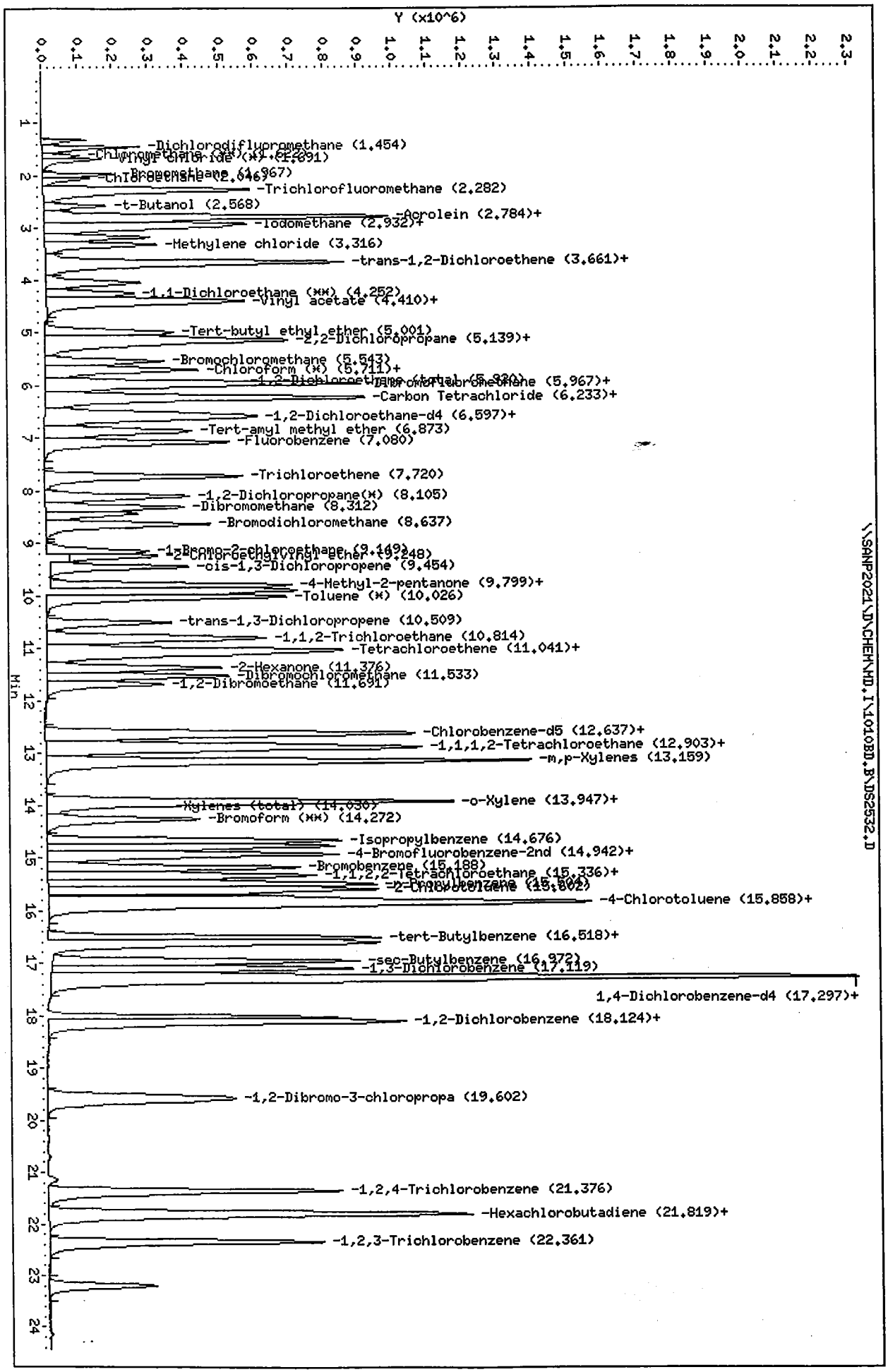
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.957	13.957	(1.107)	1222570	50.0000	49.77
M	63 Xylenes (total)	100				2210231	150.000	146.0
	64 Bromoform (**)	173	14.282	14.282	(1.133)	816536	50.0000	51.62
	65 Isopropylbenzene	105	14.676	14.676	(1.164)	2335648	50.0000	50.09
	66 4-Bromofluorobenzene-2nd	174	14.942	14.942	(0.866)	887165	50.0000	45.62
$	67 4-Bromofluorobenzene	95	14.952	14.952	(0.866)	1185665	50.0000	45.68
	68 Bromobenzene	156	15.188	15.188	(0.880)	787700	50.0000	48.55
	69 1,1,2,2-Tetrachloroethane(**)	83	15.326	15.326	(0.888)	775963	50.0000	46.45
	70 1,2,3-Trichloropropane	110	15.356	15.356	(0.890)	271867	50.0000	49.69
	71 n-Propylbenzene	91	15.514	15.514	(0.899)	2407134	50.0000	47.61
	72 2-Chlorotoluene	126	15.622	15.622	(0.905)	599417	50.0000	49.04
	73 4-Chlorotoluene	126	15.848	15.848	(0.918)	629761	50.0000	49.34
	74 1,3,5-Trimethylbenzene	105	15.898	15.898	(0.921)	1960595	50.0000	48.21
	75 tert-Butylbenzene	119	16.518	16.518	(0.957)	2005479	50.0000	47.74
	76 1,2,4-Trimethylbenzene	105	16.627	16.627	(0.963)	1987500	50.0000	48.00
	77 sec-Butylbenzene	105	16.972	16.972	(0.983)	2566043	50.0000	46.58
	78 1,3-Dichlorobenzene	146	17.119	17.119	(0.992)	1317539	50.0000	48.41
*	79 1,4-Dichlorobenzene-d4	152	17.257	17.257	(1.000)	976735	50.0000	
	80 1,4-Dichlorobenzene	146	17.307	17.307	(1.003)	1417164	50.0000	47.73
	81 p-Isopropyltoluene	119	17.297	17.297	(1.002)	2140699	50.0000	47.09
	82 1,2-Dichlorobenzene	146	18.036	18.036	(1.045)	1249273	50.0000	48.00
	83 n-Butylbenzene	91	18.134	18.134	(1.051)	2003955	50.0000	46.17
	84 1,2-Dibromo-3-chloropropane	157	19.661	19.661	(1.139)	268941	50.0000	47.49
	85 1,2,4-Trichlorobenzene	180	21.376	21.376	(1.239)	1130215	50.0000	47.02
	86 Hexachlorobutadiene	225	21.799	21.799	(1.263)	761145	50.0000	41.93
	87 Napthalene	128	21.839	21.839	(1.265)	1625772	50.0000	44.70
	88 1,2,3-Trichlorobenzene	180	22.371	22.371	(1.296)	1049071	50.0000	46.77

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\1010BD.B\DS2532.D
Date : 10-OCT-2000 21:39
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\1010BD.B\D12894.D
Lab Smp Id: LCS-1010BD Client Smp ID: D12894
Inj Date : 10-OCT-2000 22:24
Operator : GFB Inst ID: md.i
Smp Info : LCS-1010BD,LCS,2,,0,1,0,8260BDA.M,D12894
Misc Info : 1244-2,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:04 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

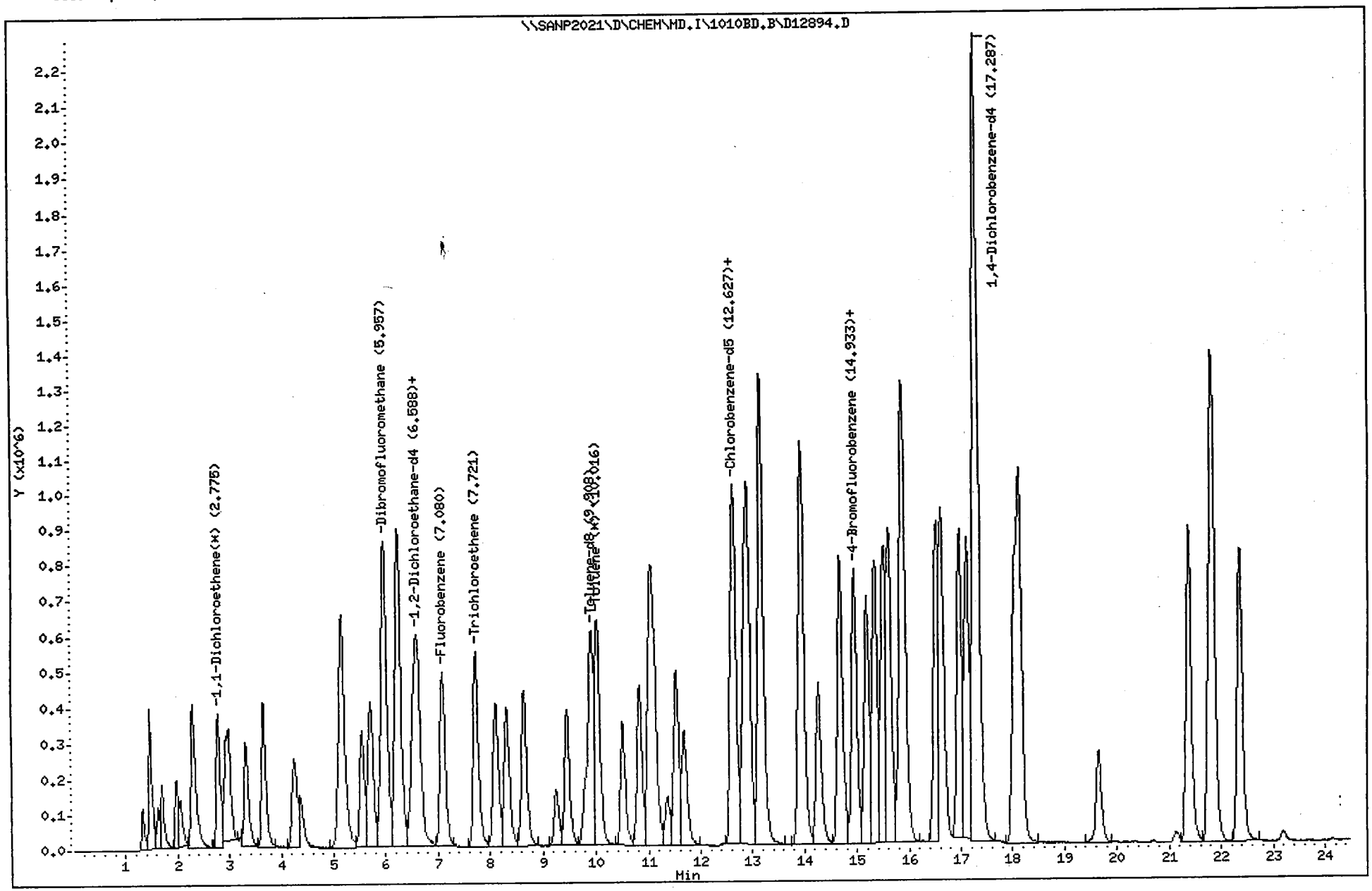
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.775	2.775	(0.392)	407522	48.1998	48.20
$ 29 Dibromofluoromethane	111	5.967	5.977	(0.844)	1040556	48.7356	48.74
$ 33 1,2-Dichloroethane-d4	65	6.509	6.499	(0.921)	673495	46.7329	46.73
34 1,2-Dichloroethane-d4 2nd	102	6.509	6.518	(0.921)	143827	49.4672	49.47
35 Benzene	78	6.578	6.578	(0.930)	1239230	48.6474	48.65
* 38 Fluorobenzene	96	7.071	7.080	(1.000)	1501067	50.0000	
39 Trichloroethene	130	7.721	7.720	(1.092)	707149	50.4048	50.40
$ 47 Toluene-d8	98	9.908	9.908	(0.786)	1378350	46.9230	46.92
48 Toluene (*)	91	10.036	10.026	(0.797)	1493627	48.1571	48.16
* 56 Chlorobenzene-d5	117	12.598	12.607	(1.000)	1268903	50.0000	
57 Chlorobenzene (**)	112	12.657	12.656	(1.005)	1225642	49.1541	49.15
$ 67 4-Bromofluorobenzene	95	14.933	14.952	(0.865)	1147170	45.8788	45.88
66 4-Bromofluorobenzene-2nd	174	14.933	14.942	(0.865)	875930	46.7554	46.76
* 79 1,4-Dichlorobenzene-d4	152	17.258	17.257	(1.000)	940859	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12894.D
Date : 10-OCT-2000 22:24
Client ID: D12894
Sample Info: LCS-1010BD,LCS,2,,0,1,0,8260BDA.M,D12894

Instrument: md.i

Operator: GFB
Column diameter: 0.53

Column phase: J&W DB-624



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1010BD.B\D12895.D
Lab Smp Id: MB-1010BD Client Smp ID: D12895
Inj Date : 10-OCT-2000 22:56
Operator : GFB Inst ID: md.i
Smp Info : MB-1010BD,BLANK,2,,0,1,0,8260BDA.M,D12895
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	5.977	5.977	(0.844)	933265	46.4740	46.47	
$ 33 1,2-Dichloroethane-d4	65	6.509	6.499	(0.919)	613728	45.2781	45.28	
34 1,2-Dichloroethane-d4 2nd	102	6.509	6.518	(0.919)	125431	45.8677	45.87	
* 38 Fluorobenzene	96	7.081	7.080	(1.000)	1411811	50.0000		
$ 47 Toluene-d8	98	9.908	9.908	(0.786)	1309866	45.1701	45.17	
* 56 Chlorobenzene-d5	117	12.608	12.607	(1.000)	1252653	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.943	14.942	(0.866)	812466	44.7548	44.75	
$ 67 4-Bromofluorobenzene	95	14.933	14.952	(0.865)	1087057	44.8652	44.86	
* 79 1,4-Dichlorobenzene-d4	152	17.258	17.257	(1.000)	911699	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\1010BD.B\D12895.D
Lab Smp Id: MB-1010BD Client Smp ID: D12895
Inj Date : 10-OCT-2000 22:56
Operator : GFB Inst ID: md.i
Smp Info : MB-1010BD,BLANK,2,,0,1,0,8260BDA.M,D12895
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	7.081	3303008	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.317	453838	6.87007496	6.87	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1010BD
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa02193
Client Smp ID: D12895
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

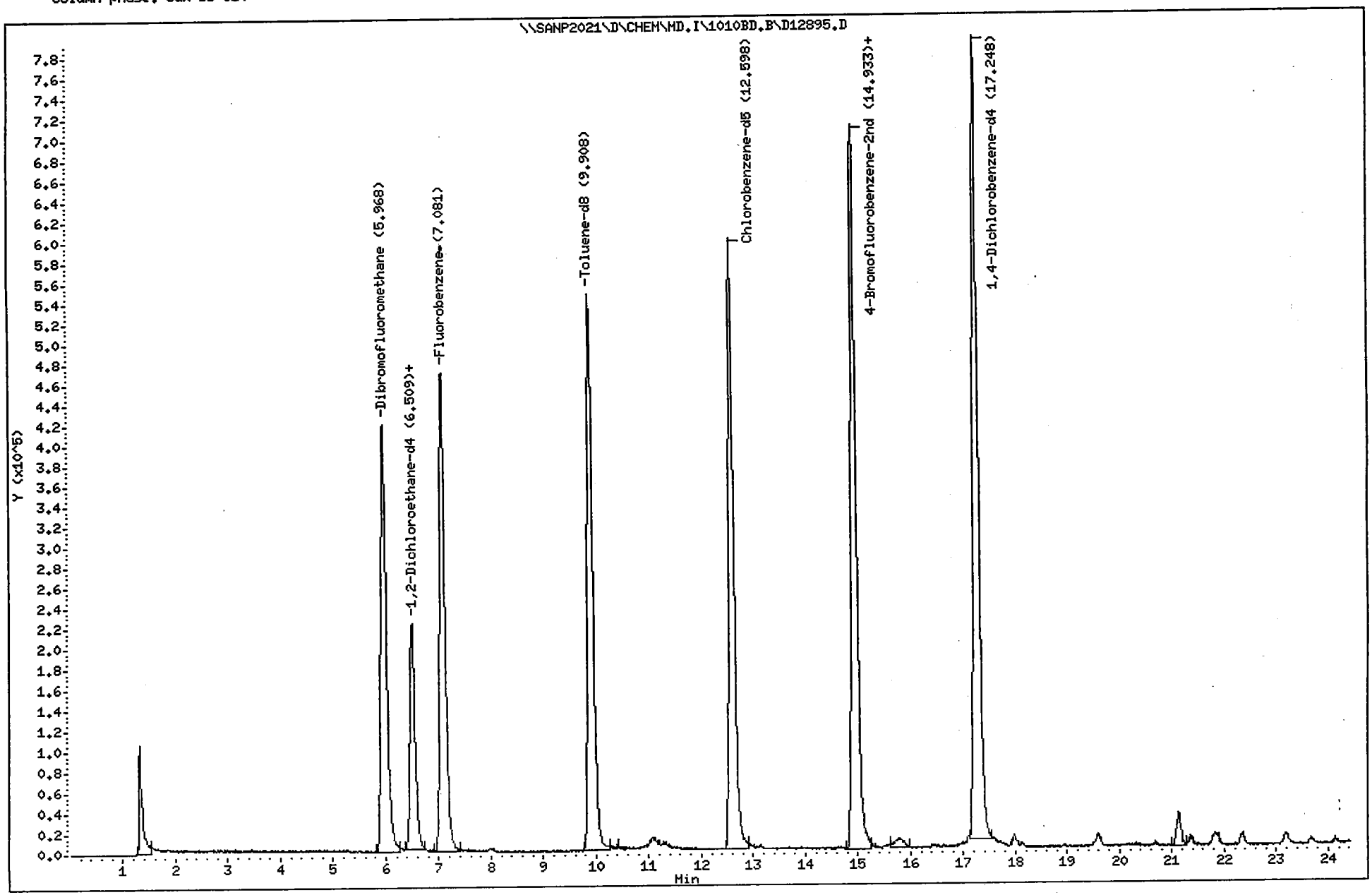
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.317	6.87	_J__

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12895.D
Date : 10-OCT-2000 22:56
Client ID: D12895
Sample Info: MB-1010BD,BLANK,2,,0,1,0,8260BDA.M,D12895

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



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BOE-C6-0147504

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12895.D

Date : 10-OCT-2000 22:56

Client ID: D12895

Instrument: md.i

Sample Info: MB-1010BD,BLANK,2,,0,1,0,8260BDA.M,D12895

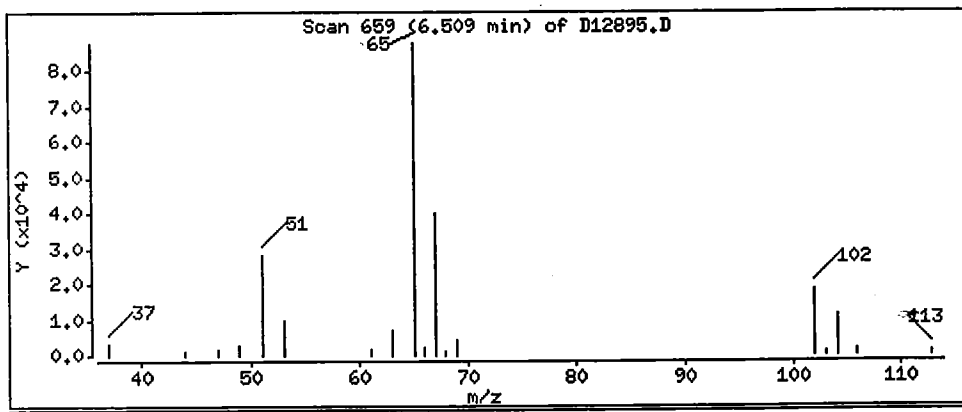
Operator: GFB

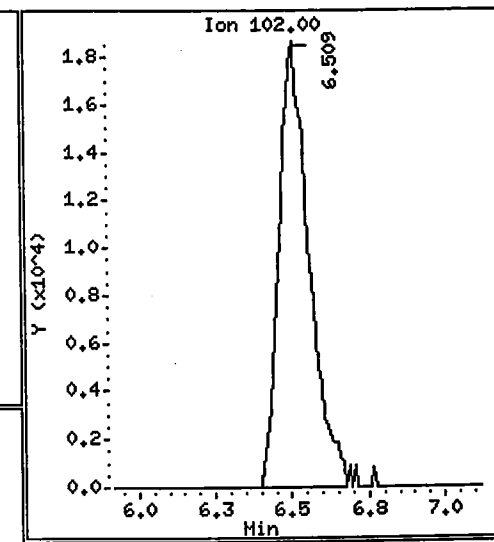
Column phase: J&W DB-624

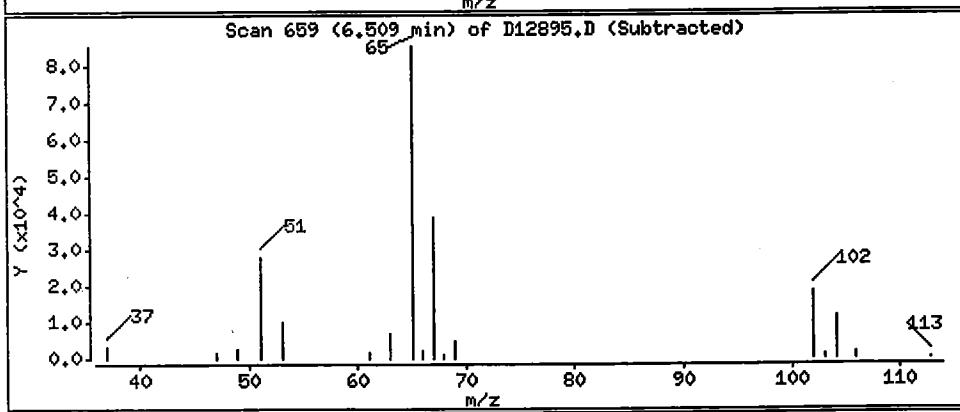
Column diameter: 0.53

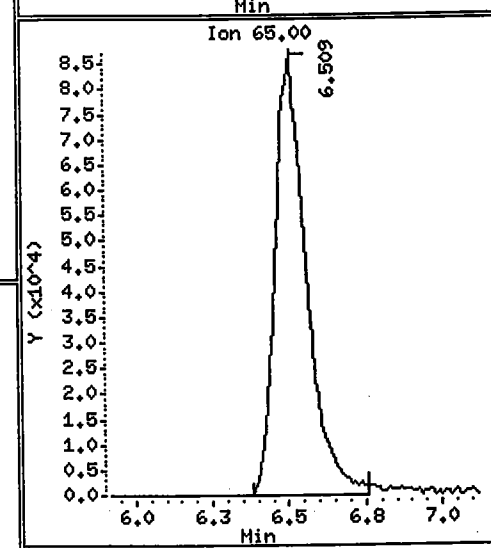
34 1,2-Dichloroethane-d4 2nd

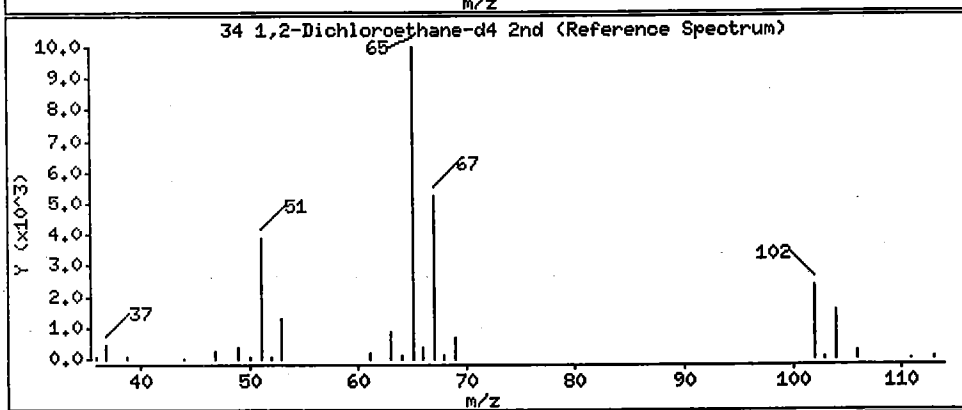
Concentration: 45.87 ug/Kg

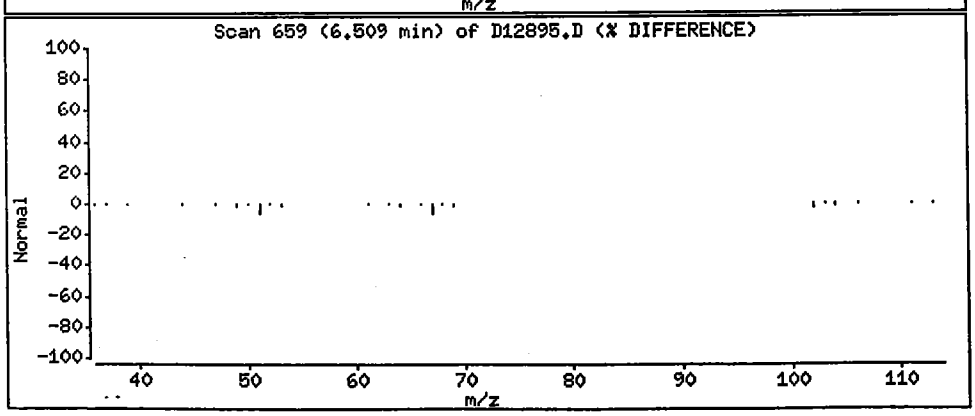












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12895.D

Date : 10-OCT-2000 22:56

Client ID: D12895

Instrument: md.i

Sample Info: MB-1010BD,BLANK,2,,0,1,0,8260BDA.M,D12895

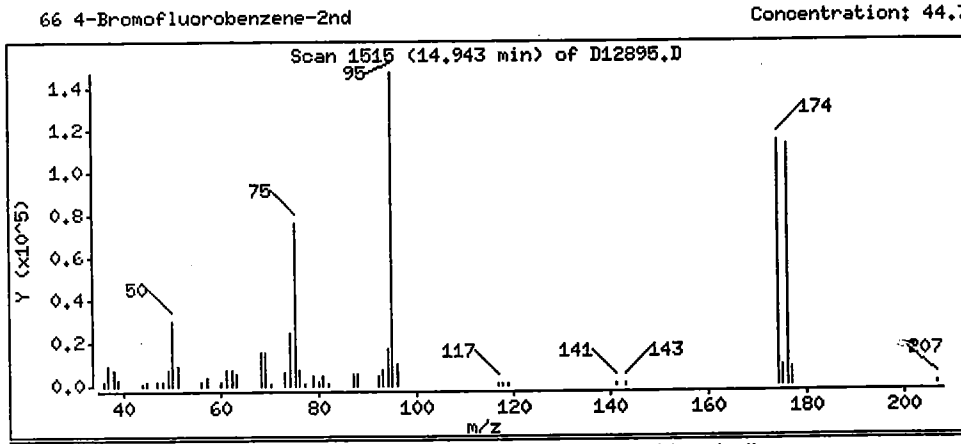
Operator: GFB

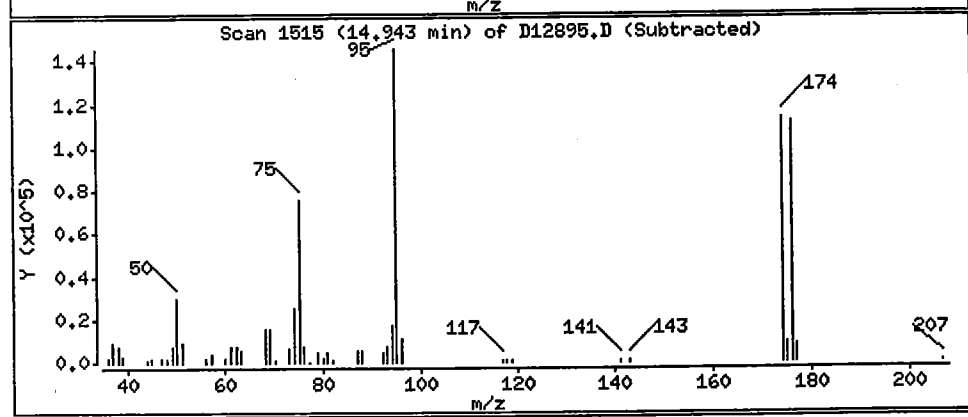
Column phase: J&W DB-624

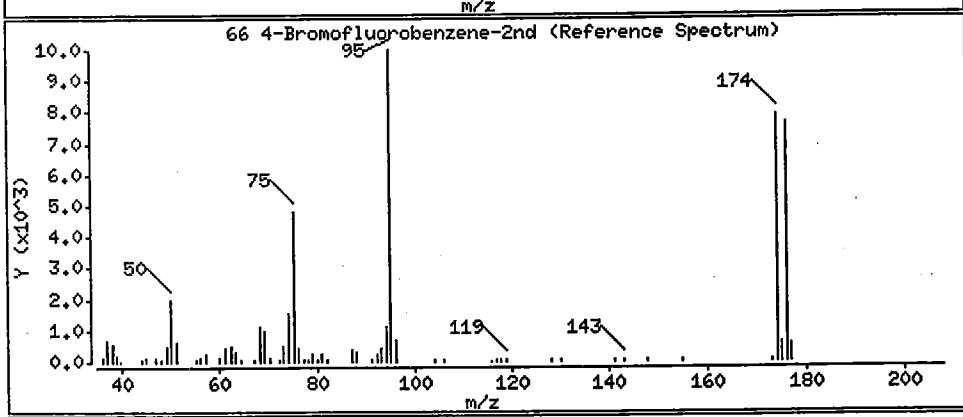
Column diameter: 0.53

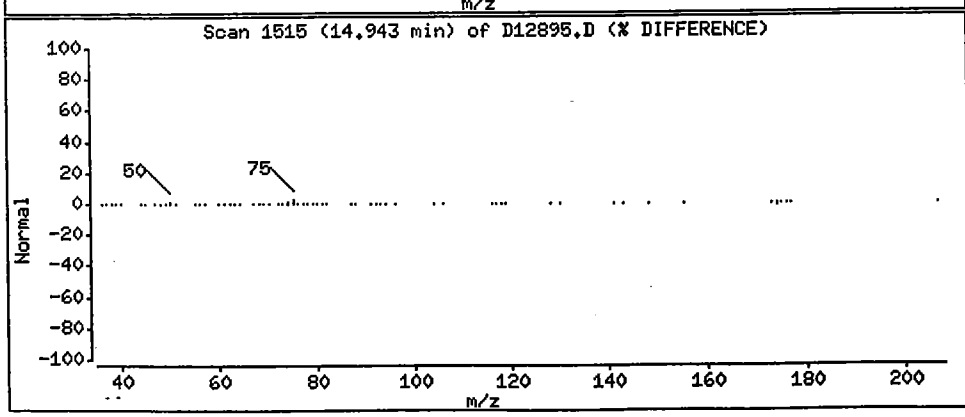
66 4-Bromofluorobenzene-2nd

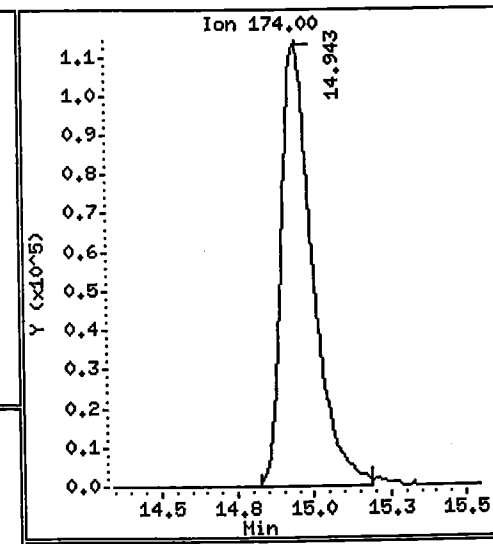
Concentration: 44.75 ug/Kg

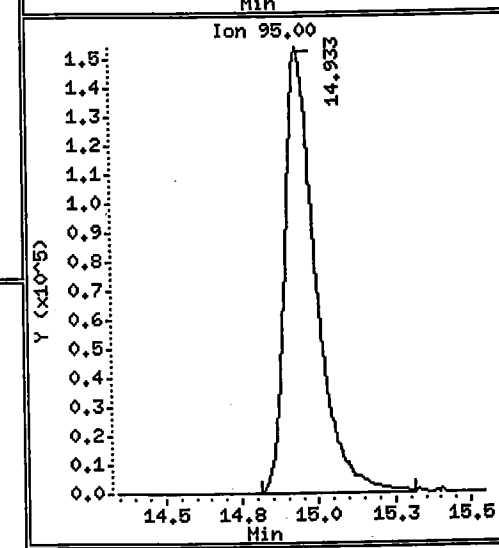


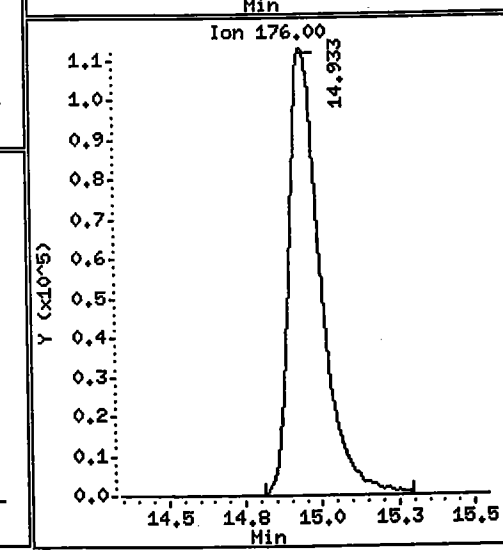












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12895.D

Date : 10-OCT-2000 22:56

Client ID: D12895

Instrument: md.i

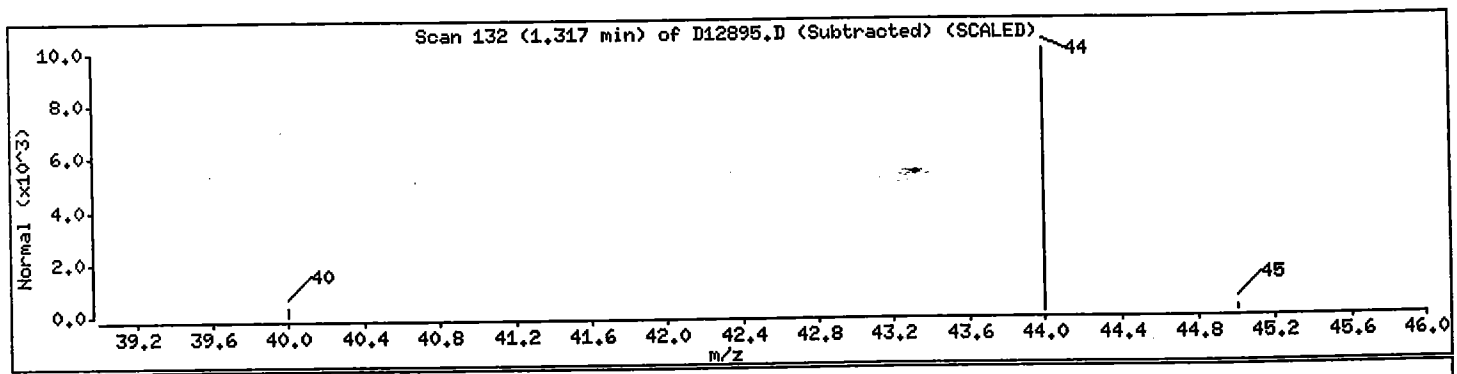
Sample Info: MB-1010BD,BLANK,2,,0,1,0,8260BDA.M,D12895

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

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



COV

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1010BD.B\D12904.D
Lab Smp Id: DLFGE102 Client Smp ID: D12904
Inj Date : 11-OCT-2000 03:41
Operator : GFB Inst ID: md.i
Smp Info : DLFGE102,MS,2,,0,1,0,8260BDA.M,D12904
Misc Info : 150-1S,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 12 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

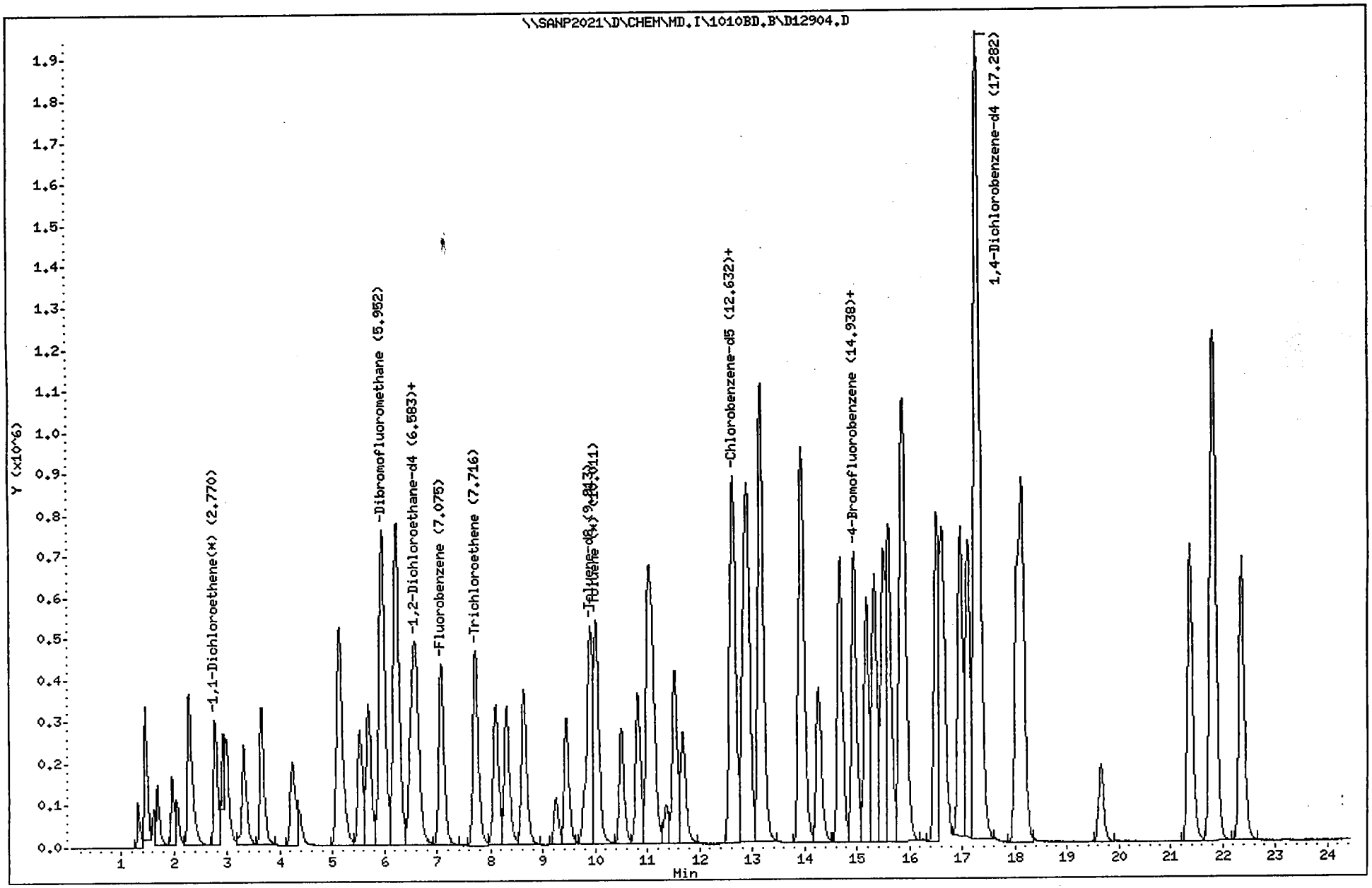
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.770	2.775	(0.391)	320400	43.6351	43.64
$ 29 Dibromofluoromethane	111	5.952	5.977	(0.841)	943342	50.8744	50.87
$ 33 1,2-Dichloroethane-d4	65	6.504	6.499	(0.919)	587807	46.9647	46.96
34 1,2-Dichloroethane-d4 2nd	102	6.514	6.518	(0.921)	111329	44.0894	44.09
35 Benzene	78	6.573	6.578	(0.929)	996896	45.0615	45.06
* 38 Fluorobenzene	96	7.075	7.080	(1.000)	1303621	50.0000	
39 Trichloroethene	130	7.716	7.720	(1.091)	601157	49.3398	49.34
$ 47 Toluene-d8	98	9.913	9.908	(0.787)	1208157	45.7359	45.74
48 Toluene (*)	91	10.021	10.026	(0.796)	1260272	45.1846	45.18
* 56 Chlorobenzene-d5	117	12.593	12.607	(1.000)	1141092	50.0000	
57 Chlorobenzene (**)	112	12.652	12.656	(1.005)	1034871	46.1520	46.15
$ 67 4-Bromofluorobenzene	95	14.947	14.952	(0.867)	1024229	44.7002	44.70
66 4-Bromofluorobenzene-2nd	174	14.938	14.942	(0.866)	794031	46.2516	46.25
* 79 1,4-Dichlorobenzene-d4	152	17.243	17.257	(1.000)	862178	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12904.D
Date : 11-OCT-2000 03:41
Client ID: D12904
Sample Info: DLFGE102,MS,2,,0,1,0,8260BDA.M,D12904

Instrument: md.i

Operator: GFB
Column diameter: 0.53

Column phase: J&W DB-624



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1010BD.B\D12905.D
Lab Smp Id: DLFGE103 Client Smp ID: D12905
Inj Date : 11-OCT-2000 04:12
Operator : GFB Inst ID: md.i
Smp Info : DLFGE103,MSD,2,,0,1,0,8260BDA.M,D12905
Misc Info : 150-1D,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 13 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

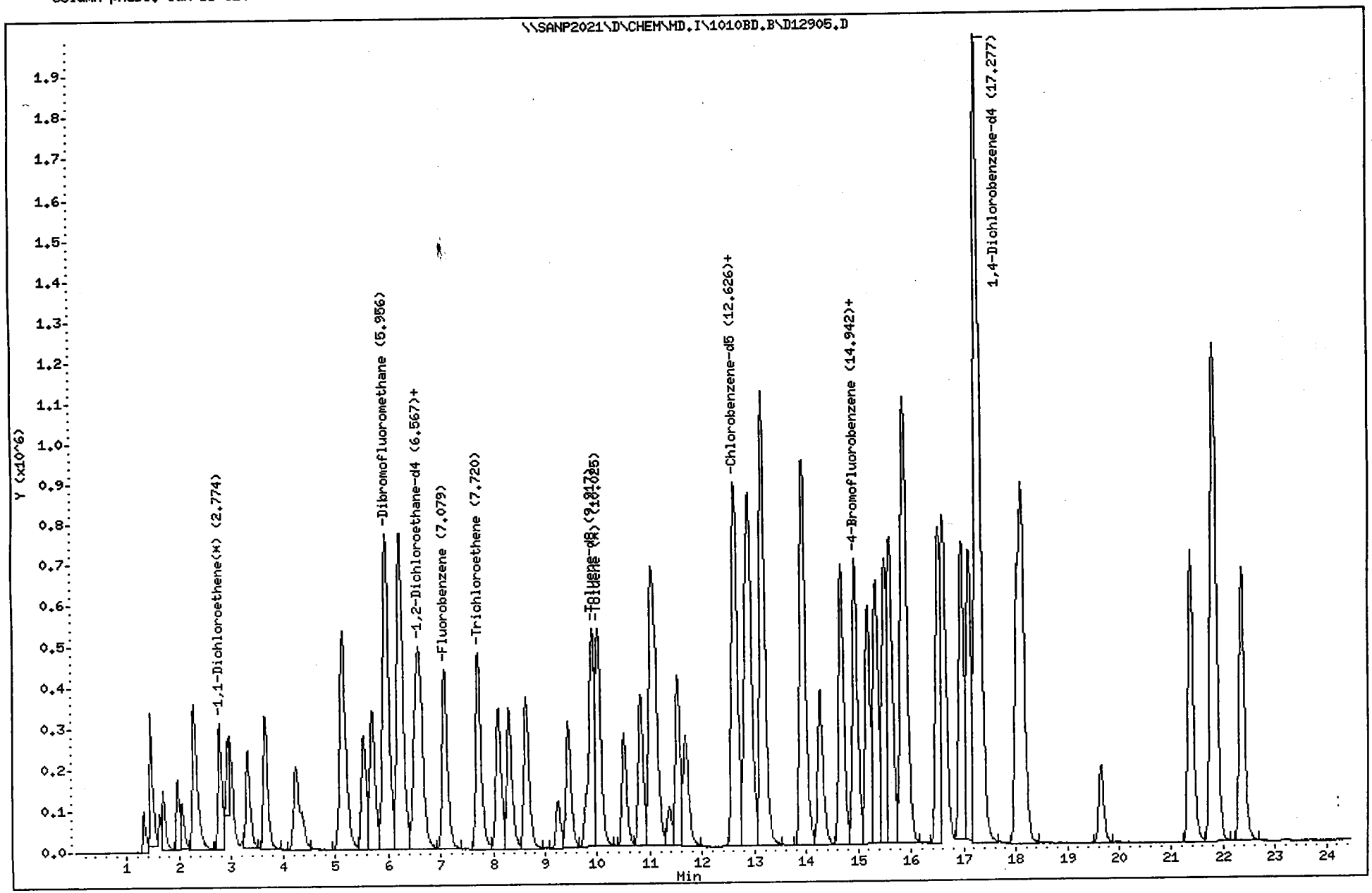
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.774	2.775	(0.392)	325459	43.7334	43.73
$ 29 Dibromofluoromethane	111	5.966	5.977	(0.843)	884895	47.0865	47.09
$ 33 1,2-Dichloroethane-d4	65	6.498	6.499	(0.918)	590786	46.5738	46.57
34 1,2-Dichloroethane-d4 2nd	102	6.518	6.518	(0.921)	117849	46.0497	46.05
35 Benzene	78	6.567	6.578	(0.928)	1011552	45.1148	45.11
* 38 Fluorobenzene	96	7.080	7.080	(1.000)	1321226	50.0000	
39 Trichloroethene	130	7.720	7.720	(1.090)	605353	49.0222	49.02
$ 47 Toluene-d8	98	9.907	9.908	(0.786)	1237934	46.3480	46.35
48 Toluene (*)	91	10.025	10.026	(0.796)	1261265	44.7231	44.72
* 56 Chlorobenzene-d5	117	12.597	12.607	(1.000)	1153775	50.0000	
57 Chlorobenzene (**)	112	12.646	12.656	(1.004)	1040156	45.8777	45.88
$ 67 4-Bromofluorobenzene	95	14.932	14.952	(0.865)	1028633	45.5796	45.58
66 4-Bromofluorobenzene-2nd	174	14.942	14.942	(0.866)	792190	46.8507	46.85
* 79 1,4-Dichlorobenzene-d4	152	17.257	17.257	(1.000)	849179	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12905.D
Date : 11-OCT-2000 04:12
Client ID: D12905
Sample Info: DLFGE103,MSD,2,,0,1,0,8260BDA.M,D12905

Instrument: md.i

Operator: GFB
Column diameter: 0.53

Column phase: J&W DB-624



BOE-C6-0147511

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1010BD.B\D12900.D
Lab Smp Id: DLFGN101 Client Smp ID: D12900
Inj Date : 11-OCT-2000 01:34
Operator : GFB Inst ID: md.i
Smp Info : DLFGN101,,2,,0,1,0,8260BDA.M,D12900
Misc Info : 150-2,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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)
$ 29 Dibromofluoromethane	111	5.957	5.977	(0.841)	914087	47.7699	47.77
$ 33 1,2-Dichloroethane-d4	65	6.499	6.499	(0.918)	585494	45.3311	45.33
34 1,2-Dichloroethane-d4 2nd	102	6.509	6.518	(0.919)	115865	44.4647	44.46
36 1,2-Dichloroethane	62	7.081	6.637	(1.000)	21009	1.46137	1.46(aQ)
* 38 Fluorobenzene	96	7.081	7.080	(1.000)	1345285	50.0000	
$ 47 Toluene-d8	98	9.898	9.908	(0.786)	1213583	44.2496	44.25
* 56 Chlorobenzene-d5	117	12.598	12.607	(1.000)	1184717	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.943	14.942	(0.866)	785722	45.3041	45.30
$ 67 4-Bromofluorobenzene	95	14.943	14.952	(0.866)	1044463	45.1216	45.12
* 79 1,4-Dichlorobenzene-d4	152	17.248	17.257	(1.000)	870999	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\1010BD.B\D12900.D
Lab Smp Id: DLFGN101 Client Smp ID: D12900
Inj Date : 11-OCT-2000 01:34
Operator : GFB Inst ID: md.i
Smp Info : DLFGN101,,2,,0,1,0,8260BDA.M,D12900
Misc Info : 150-2,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	7.081	3072736	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.317	403665	6.56850009	6.57	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFGN101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa02193
Client Smp ID: D12900
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	1.317	6.57	J

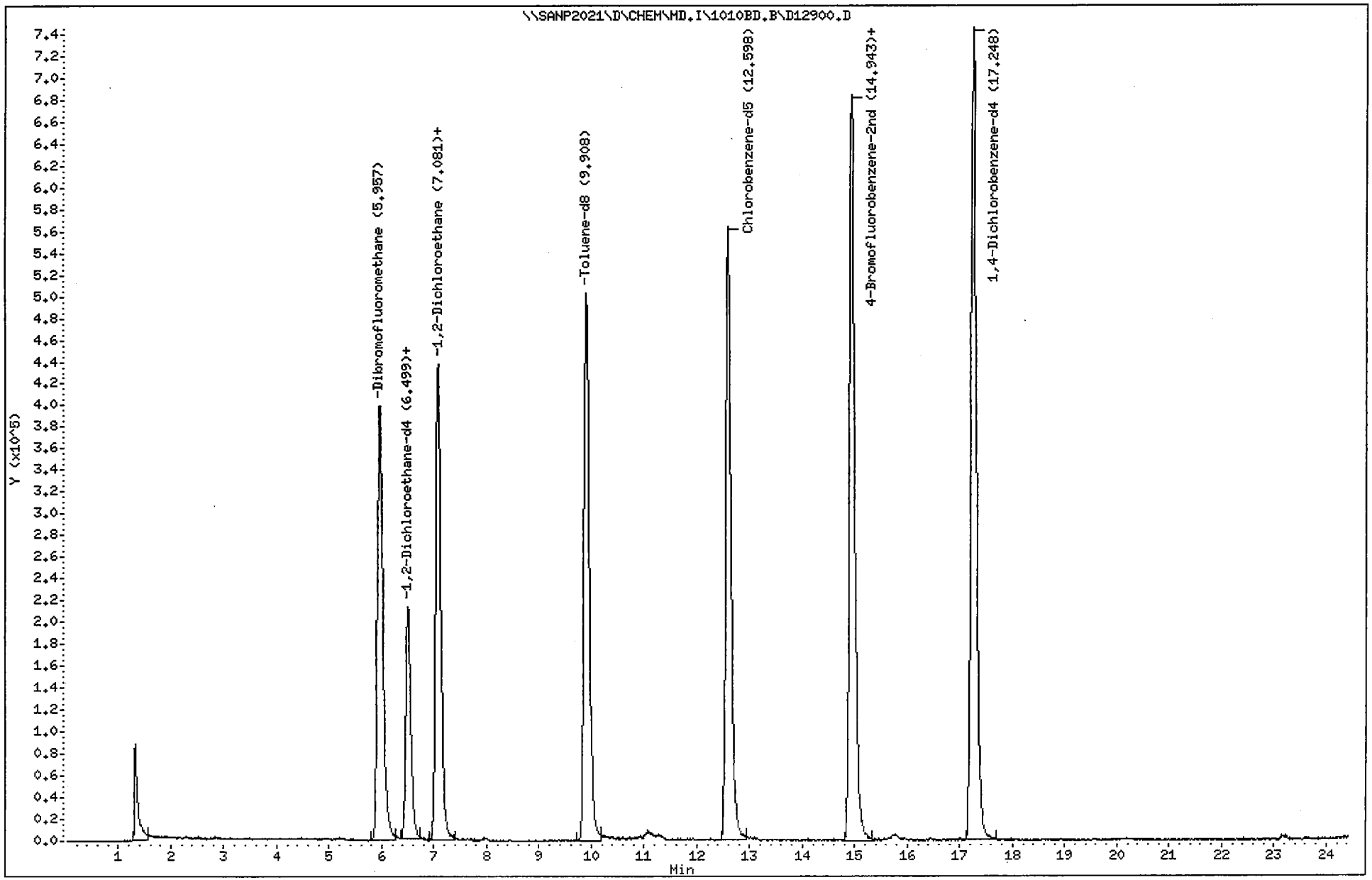
Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12900.D
Date : 11-OCT-2000 01:34
Client ID: D12900
Sample Info: DLFGN101,,2,,0,1,0,8260BDA.M,D12900

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000441

BOE-C6-0147516

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12900.D

Date : 11-OCT-2000 01:34

Client ID: D12900

Instrument: md.i

Sample Info: DLFGN101,,2,,0,1,0,8260BDA.M,D12900

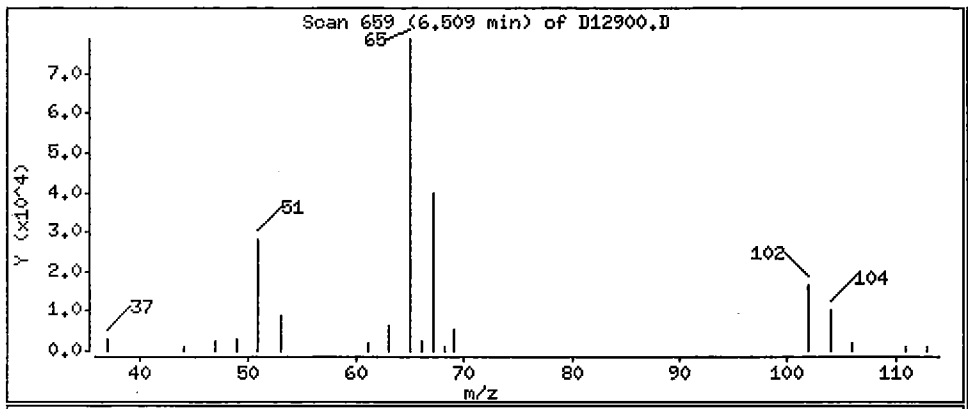
Operator: GFB

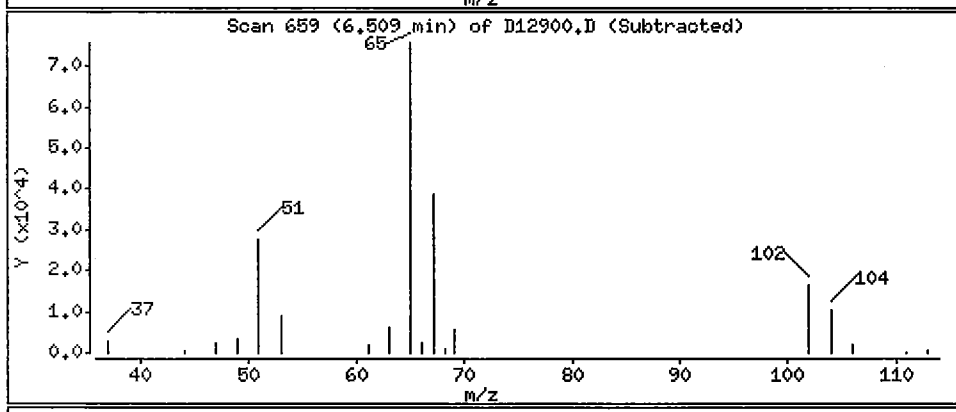
Column phase: J&W DB-624

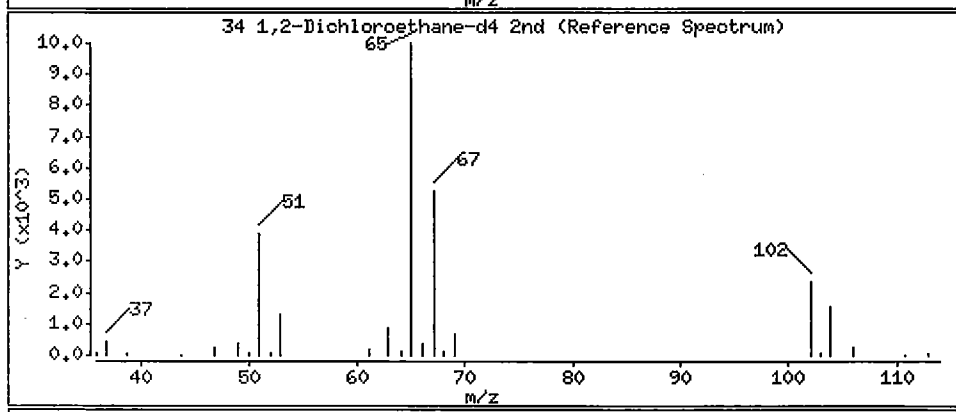
Column diameter: 0.53

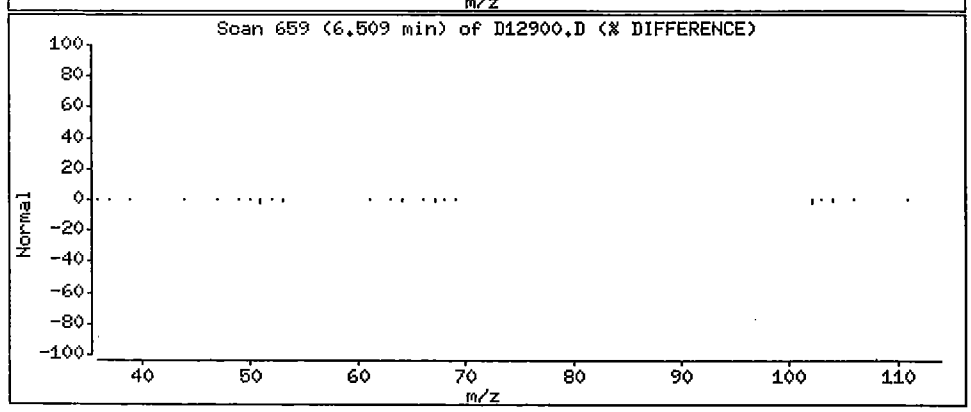
34 1,2-Dichloroethane-d4 2nd

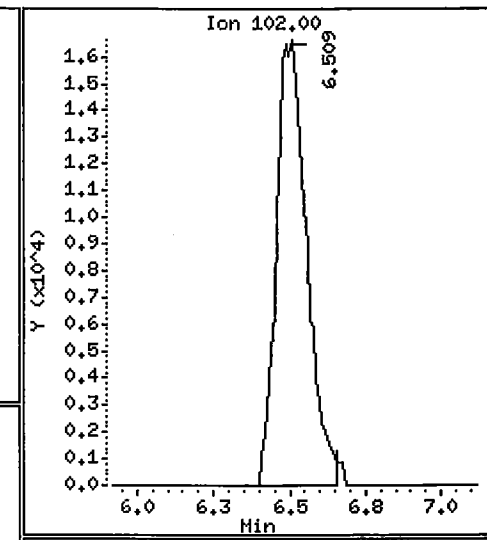
Concentration: 44.46 ug/Kg

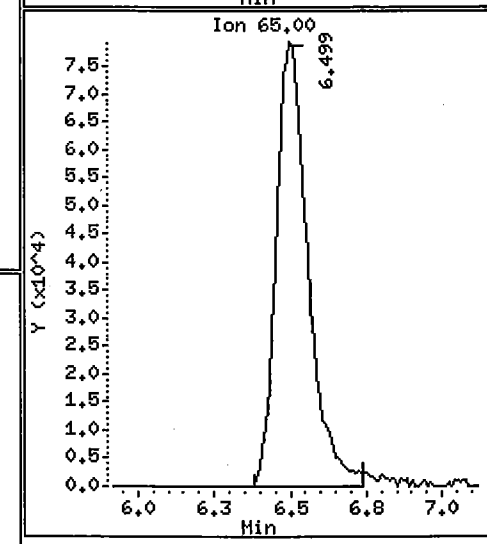












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12900.D

Date : 11-OCT-2000 01:34

Client ID: D12900

Instrument: md.i

Sample Info: DLFGN101,,2,,0,1,0,8260BDA.M,D12900

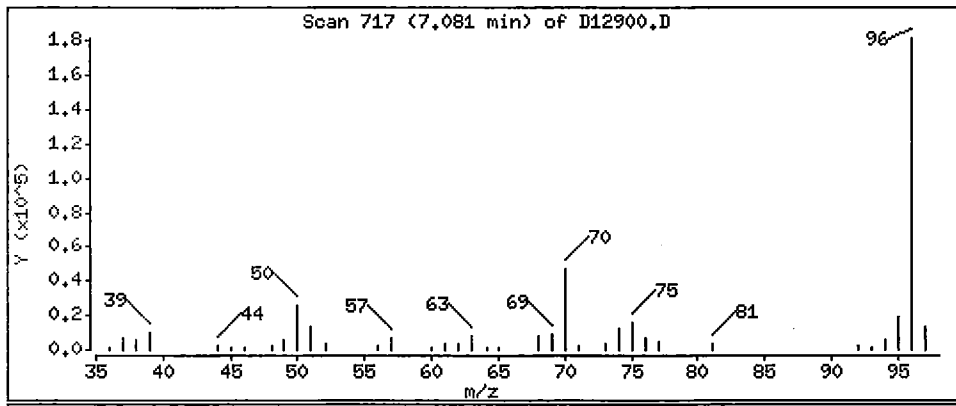
Operator: GFB

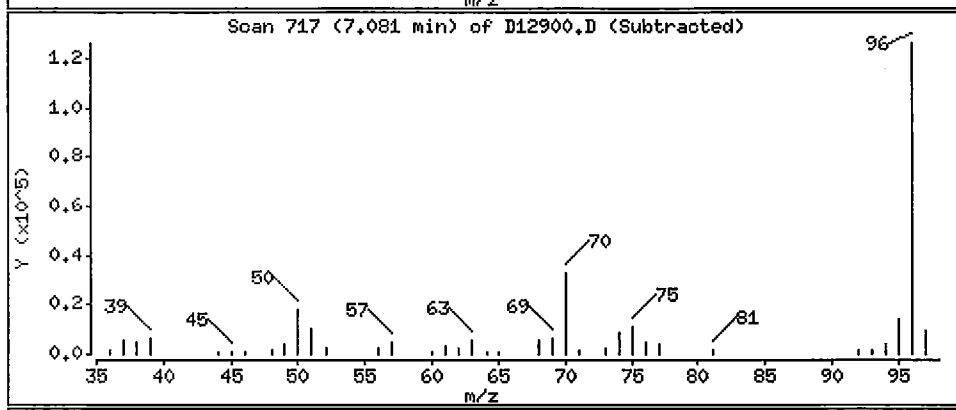
Column phase: J&W DB-624

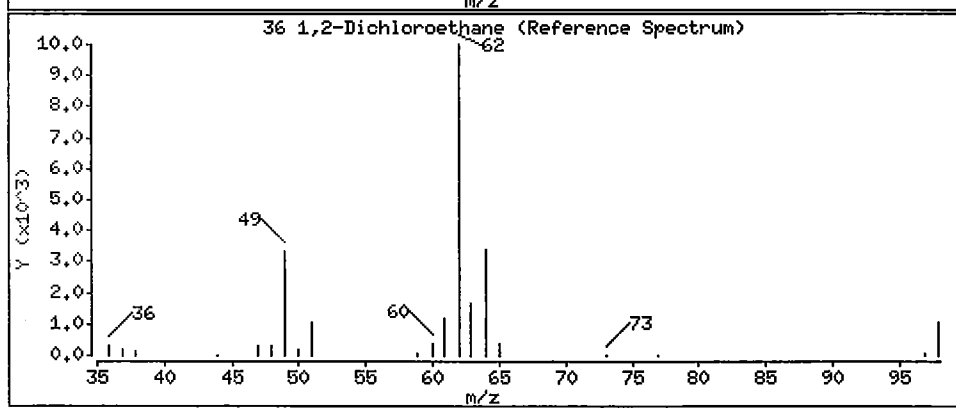
Column diameter: 0.53

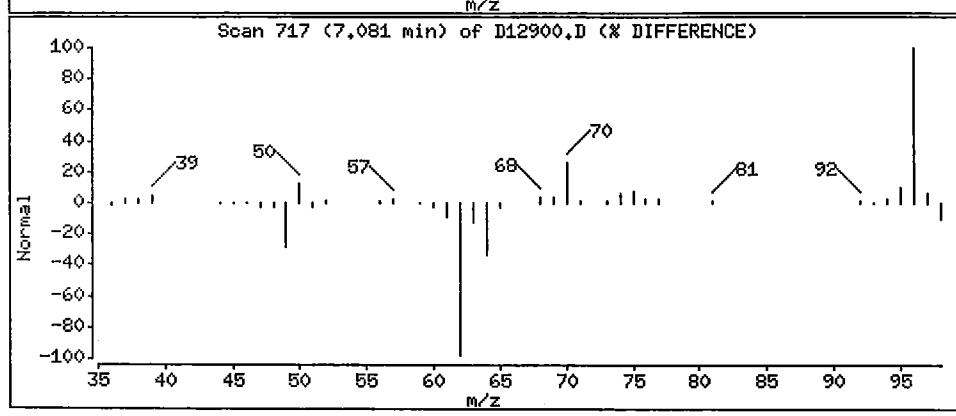
36 1,2-Dichloroethane

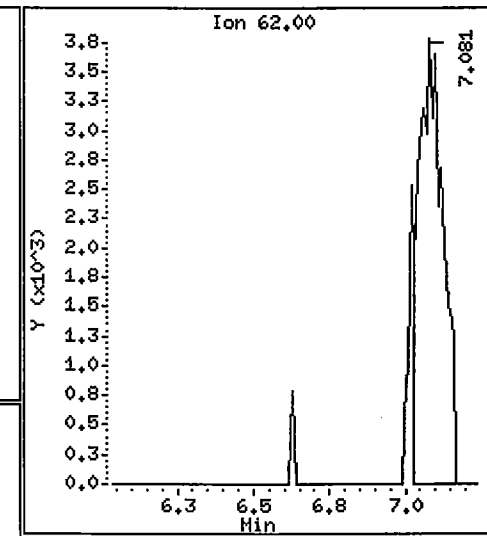
Concentration: 1.46 ug/Kg

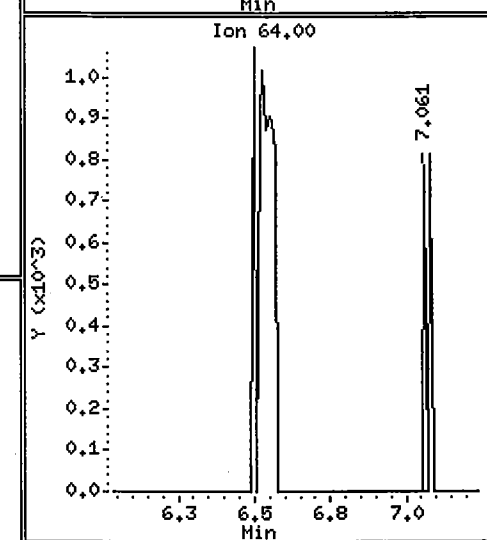


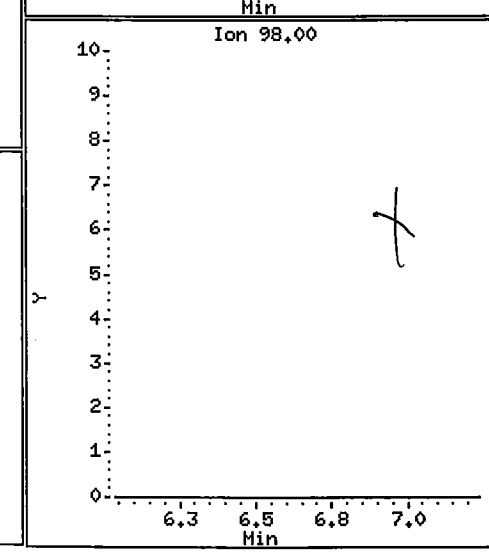












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12900.D

Date : 11-OCT-2000 01:34

Client ID: D12900

Instrument: md.i

Sample Info: DLFGN101,,2,,0,1,0,8260BDA.M,D12900

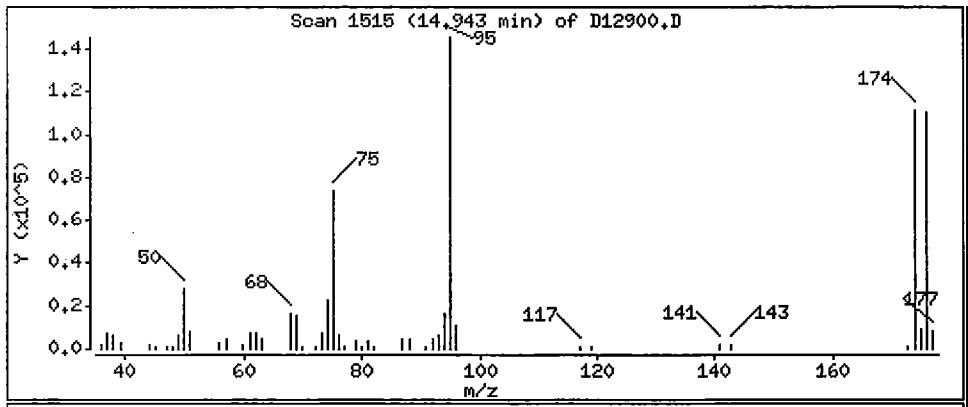
Operator: GFB

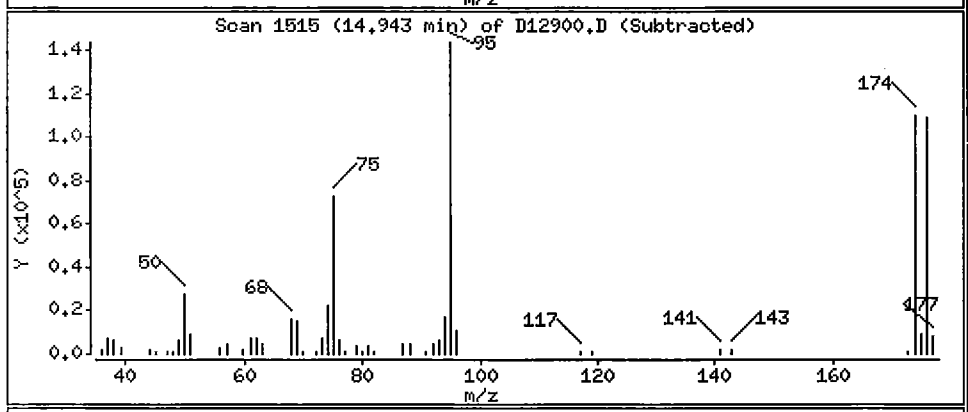
Column phase: J&W DB-624

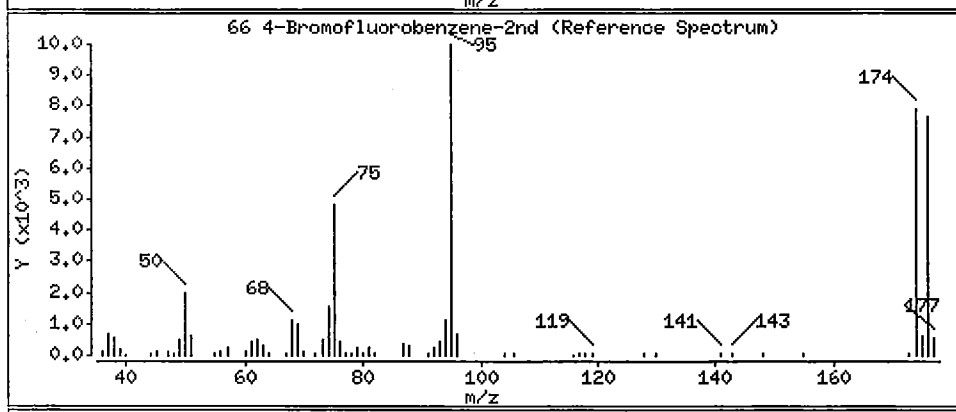
Column diameter: 0.53

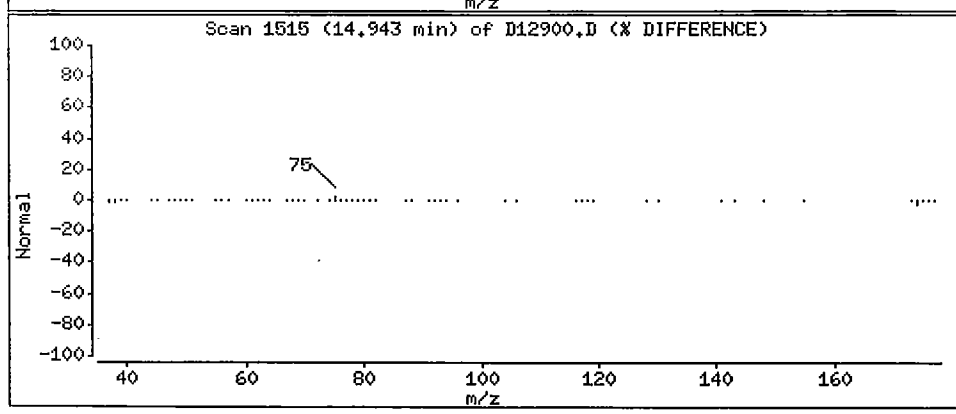
66 4-Bromofluorobenzene-2nd

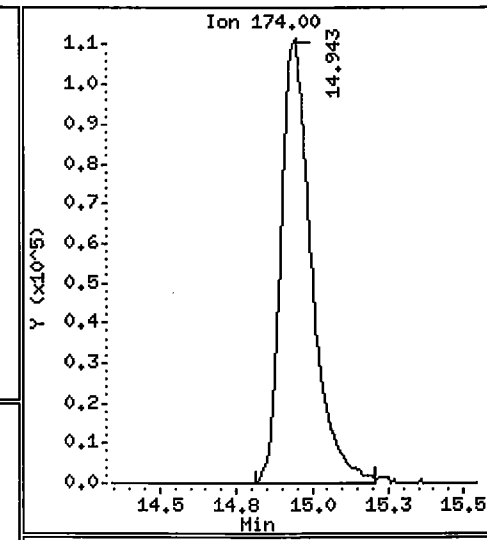
Concentration: 45.30 ug/Kg

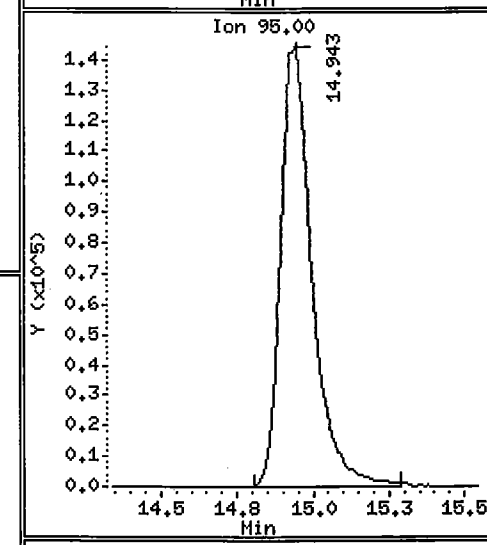


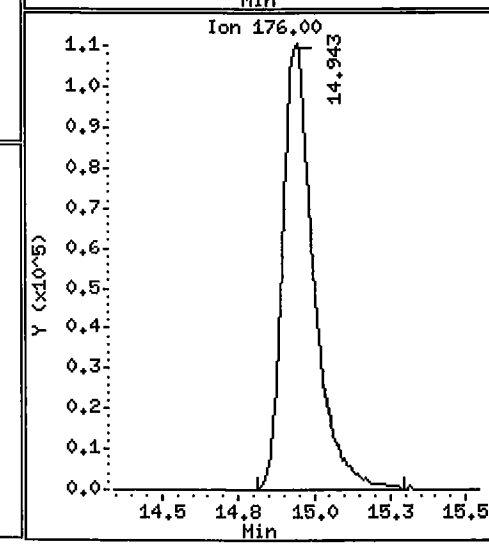












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12900.D

Date : 11-OCT-2000 01:34

Client ID: D12900

Instrument: md.i

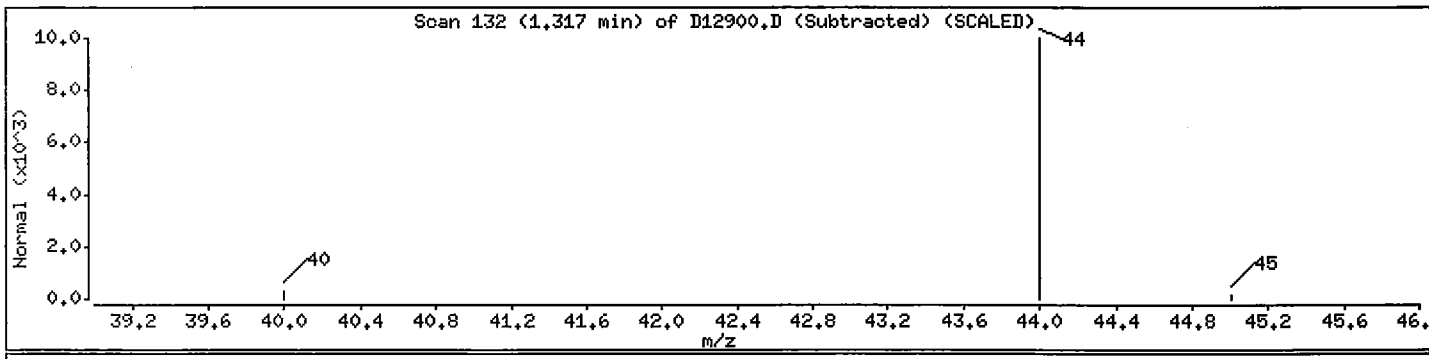
Sample Info: DLFGN101,,2,,0,1,0,8260BDA.M,D12900

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\1010BD.B\D12901.D
Lab Smp Id: DLFGQ101 Client Smp ID: D12901
Inj Date : 11-OCT-2000 02:06
Operator : GFB Inst ID: md.i
Smp Info : DLFGQ101,,2,,0,1,0,8260BDA.M,D12901
Misc Info : 150-3,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	5.967	5.977	(0.843)	863292	46.4054	46.40	
$ 33 1,2-Dichloroethane-d4	65	6.508	6.499	(0.919)	544454	43.3590	43.36	
34 1,2-Dichloroethane-d4 2nd	102	6.508	6.518	(0.919)	105894	41.8004	41.80	
* 38 Fluorobenzene	96	7.080	7.080	(1.000)	1307889	50.0000		
$ 47 Toluene-d8	98	9.907	9.908	(0.786)	1173148	44.4053	44.40	
* 56 Chlorobenzene-d5	117	12.607	12.607	(1.000)	1141228	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.952	14.942	(0.866)	735848	45.5553	45.56	
$ 67 4-Bromofluorobenzene	95	14.942	14.952	(0.866)	980929	45.4999	45.50	
* 79 1,4-Dichlorobenzene-d4	152	17.257	17.257	(1.000)	811214	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\1010BD.B\D12901.D
Lab Smp Id: DLFGQ101 Client Smp ID: D12901
Inj Date : 11-OCT-2000 02:06
Operator : GFB Inst ID: md.i
Smp Info : DLFGQ101,,2,,0,1,0,8260BDA.M,D12901
Misc Info : 150-3,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	7.080	2989935	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.316	450142	7.52762152	7.53	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFGQ101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa02193
Client Smp ID: D12901
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 VOL	1.316	7.53	J

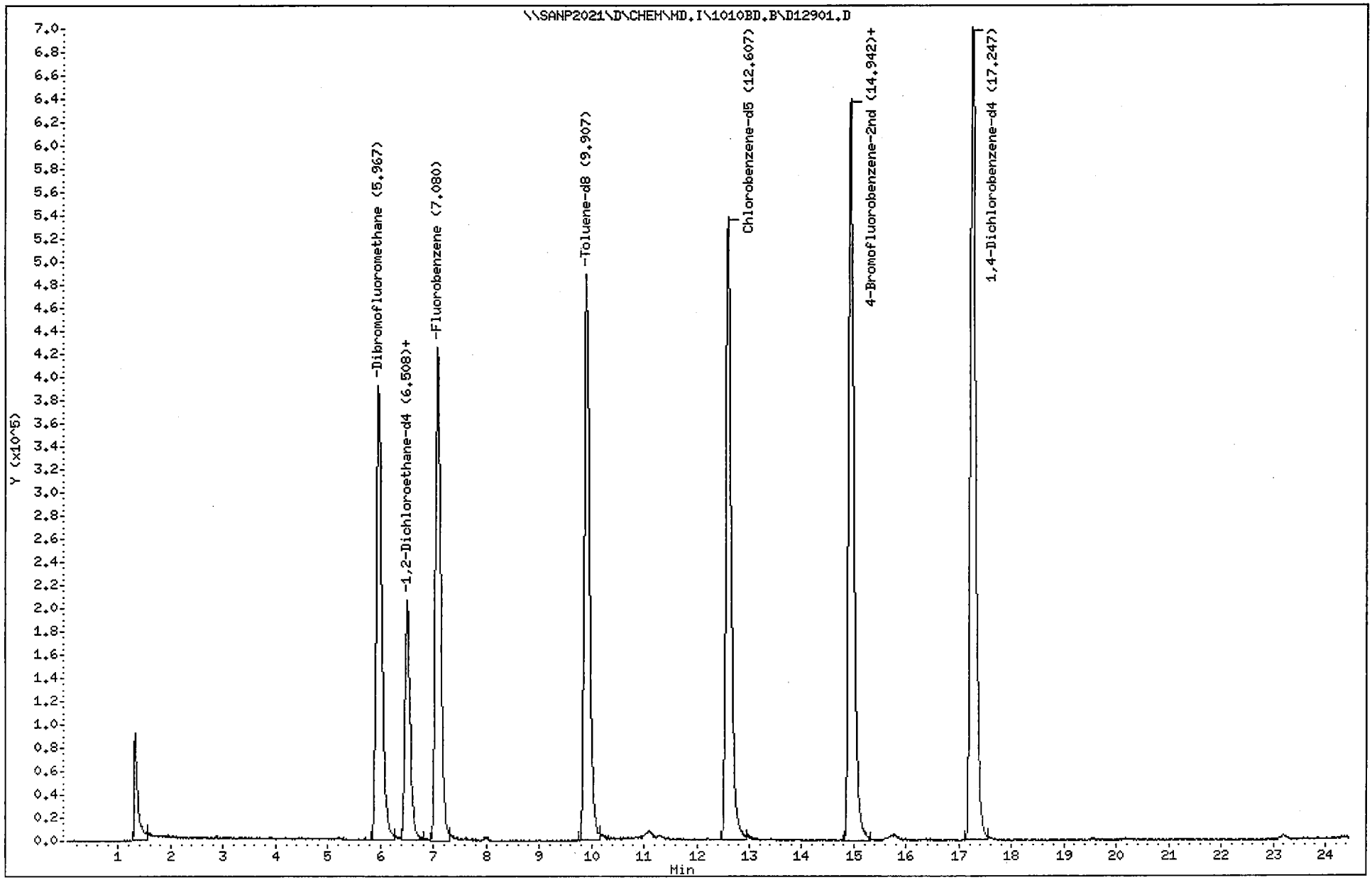
Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12901.D
Date : 11-OCT-2000 02:06
Client ID: D12901
Sample Info: DLFGQ101,,2,,0,1,0,8260BDA.M,D12901

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000449

BOE-C6-0147524

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12901.D

Date : 11-OCT-2000 02:06

Client ID: D12901

Instrument: md.i

Sample Info: DLFGQ101,,2,,0,1,0,8260BDA.M,D12901

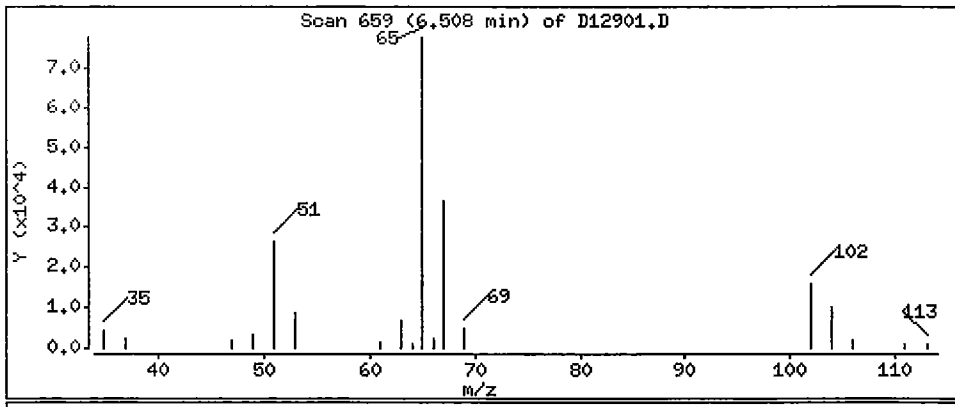
Operator: GFB

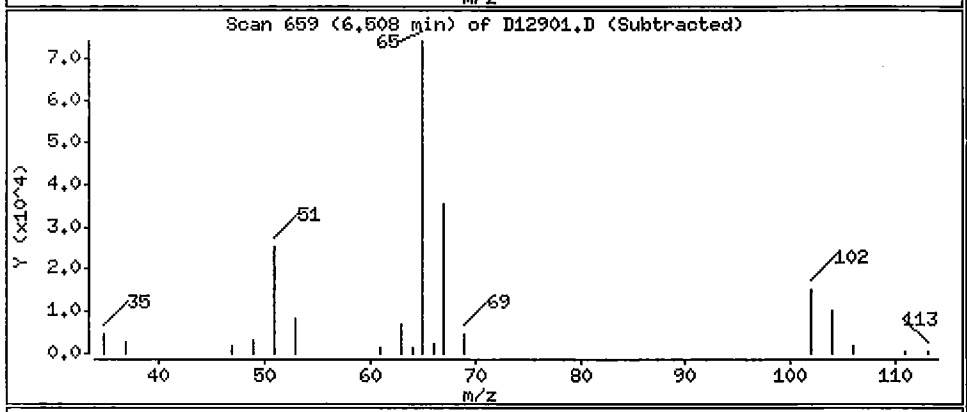
Column phase: J&W DB-624

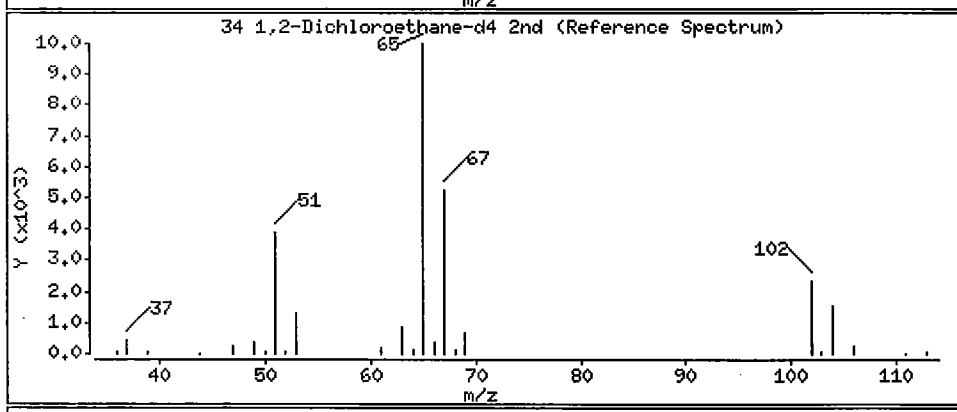
Column diameter: 0.53

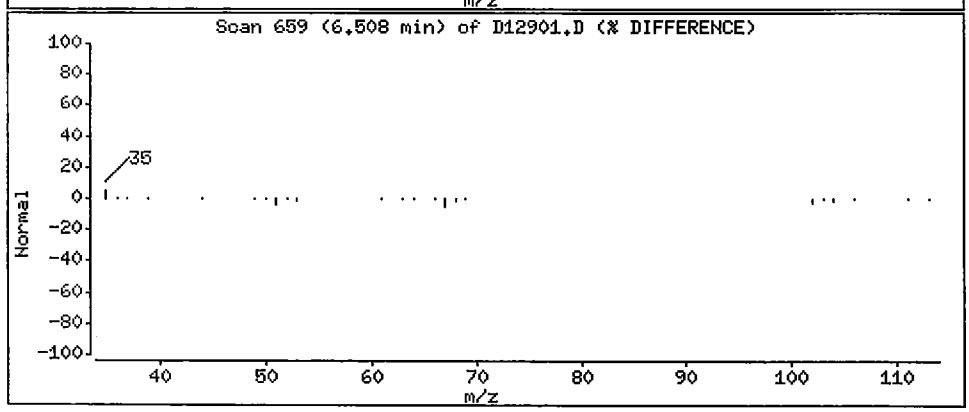
34 1,2-Dichloroethane-d4 2nd

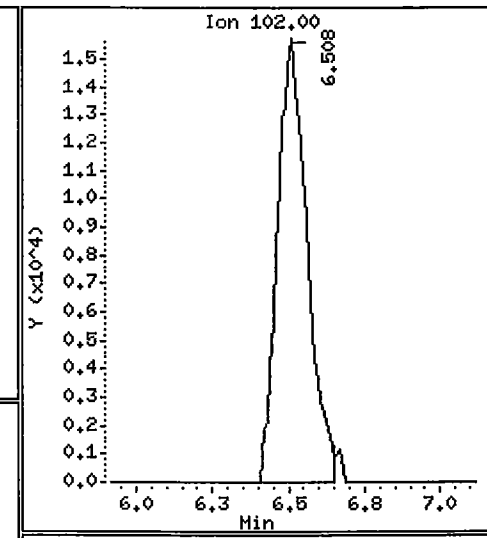
Concentration: 41.80 ug/Kg

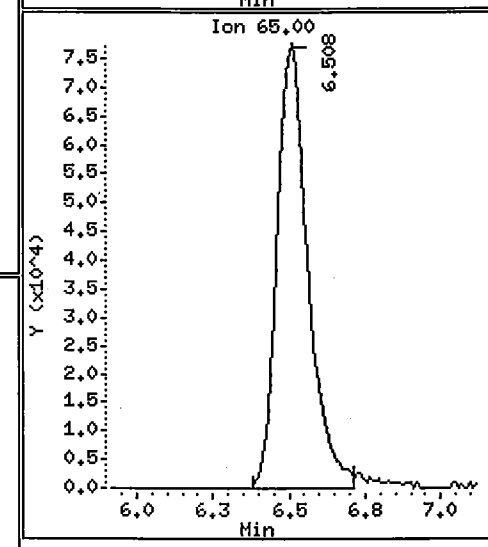












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12901.D

Date : 11-OCT-2000 02:06

Client ID: D12901

Instrument: md.i

Sample Info: DLFGQ101,,2,,0,1,0,8260BDA.M,D12901

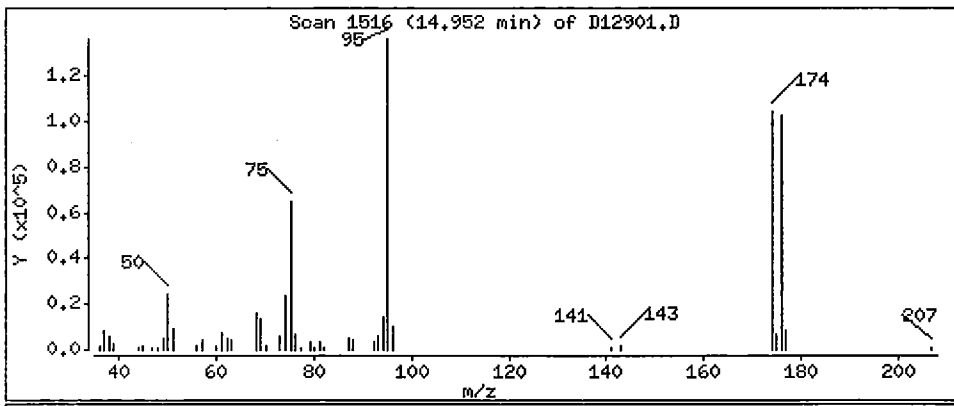
Operator: GFB

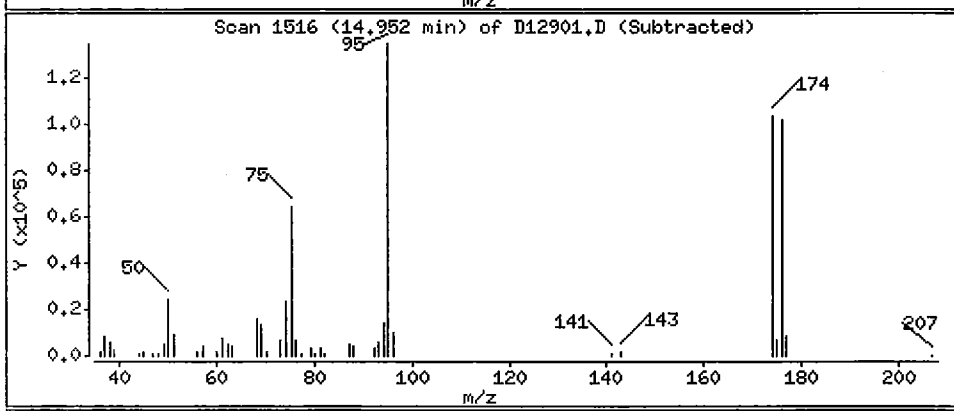
Column phase: J&W DB-624

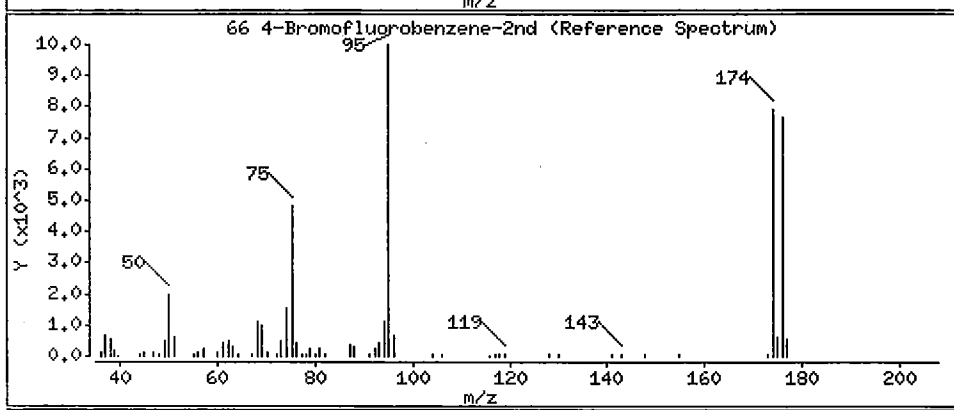
Column diameter: 0.53

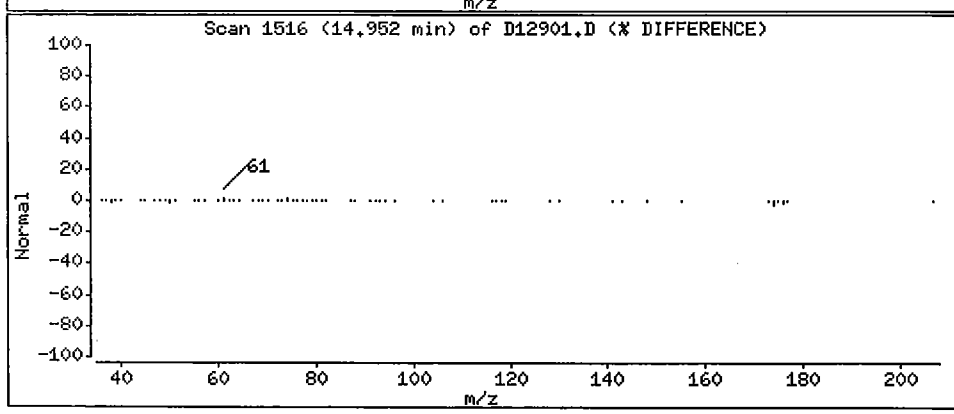
66 4-Bromofluorobenzene-2nd

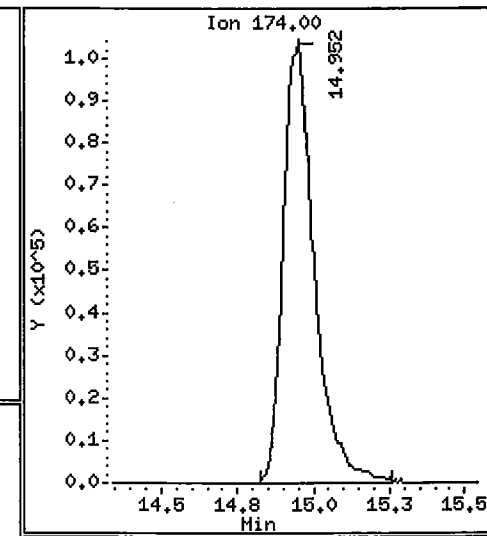
Concentration: 45.56 ug/Kg

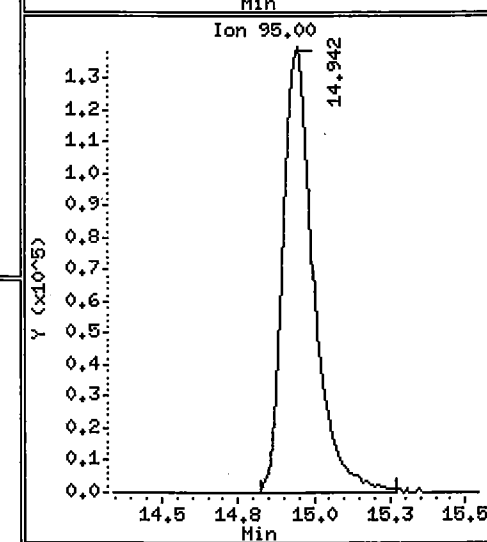


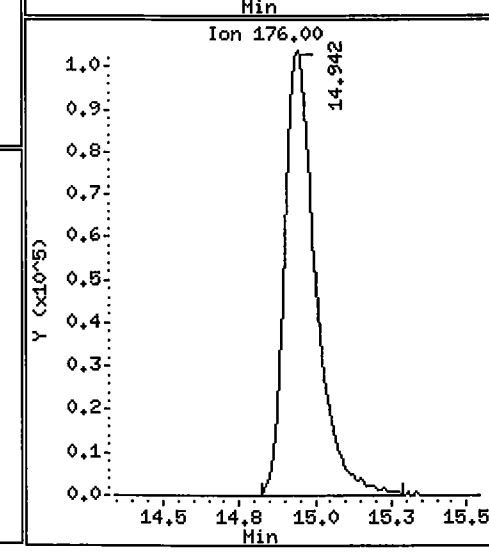












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12901.D

Date : 11-OCT-2000 02:06

Client ID: D12901

Instrument: md.i

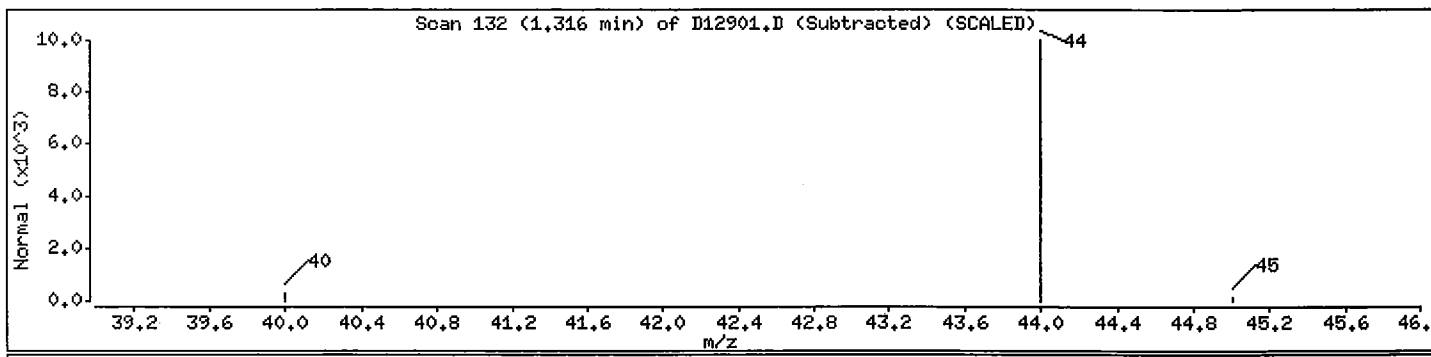
Sample Info: DLFGQ101,,2,,0,1,0,8260BDA.M,D12901

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

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



COV

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1010BD.B\D12902.D
Lab Smp Id: DLFGV101 Client Smp ID: D12902
Inj Date : 11-OCT-2000 02:37
Operator : GFB Inst ID: md.i
Smp Info : DLFGV101,,2,,0,1,0,8260BDA.M,D12902
Misc Info : 150-4,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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)	
$ 29 Dibromofluoromethane	111	5.964	5.977	(0.843)	861502	46.9564	46.96	
$ 33 1,2-Dichloroethane-d4	65	6.506	6.499	(0.919)	560227	45.2386	45.24	
34 1,2-Dichloroethane-d4 2nd	102	6.496	6.518	(0.918)	107721	43.1156	43.12	
* 38 Fluorobenzene	96	7.077	7.080	(1.000)	1289861	50.0000		
$ 47 Toluene-d8	98	9.905	9.908	(0.786)	1168127	44.7006	44.70	
* 56 Chlorobenzene-d5	117	12.594	12.607	(1.000)	1128838	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.929	14.942	(0.866)	748766	46.0498	46.05	
$ 67 4-Bromofluorobenzene	95	14.939	14.952	(0.866)	970496	44.7196	44.72	
* 79 1,4-Dichlorobenzene-d4	152	17.245	17.257	(1.000)	816592	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\1010BD.B\D12902.D
Lab Smp Id: DLFGV101 Client Smp ID: D12902
Inj Date : 11-OCT-2000 02:37
Operator : GFB Inst ID: md.i
Smp Info : DLFGV101,,2,,0,1,0,8260BDA.M,D12902
Misc Info : 150-4,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	7.077	2947816	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.314	463649	7.86427642	7.86	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFGV101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa02193
Client Smp ID: D12902
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	1.314	7.86	J

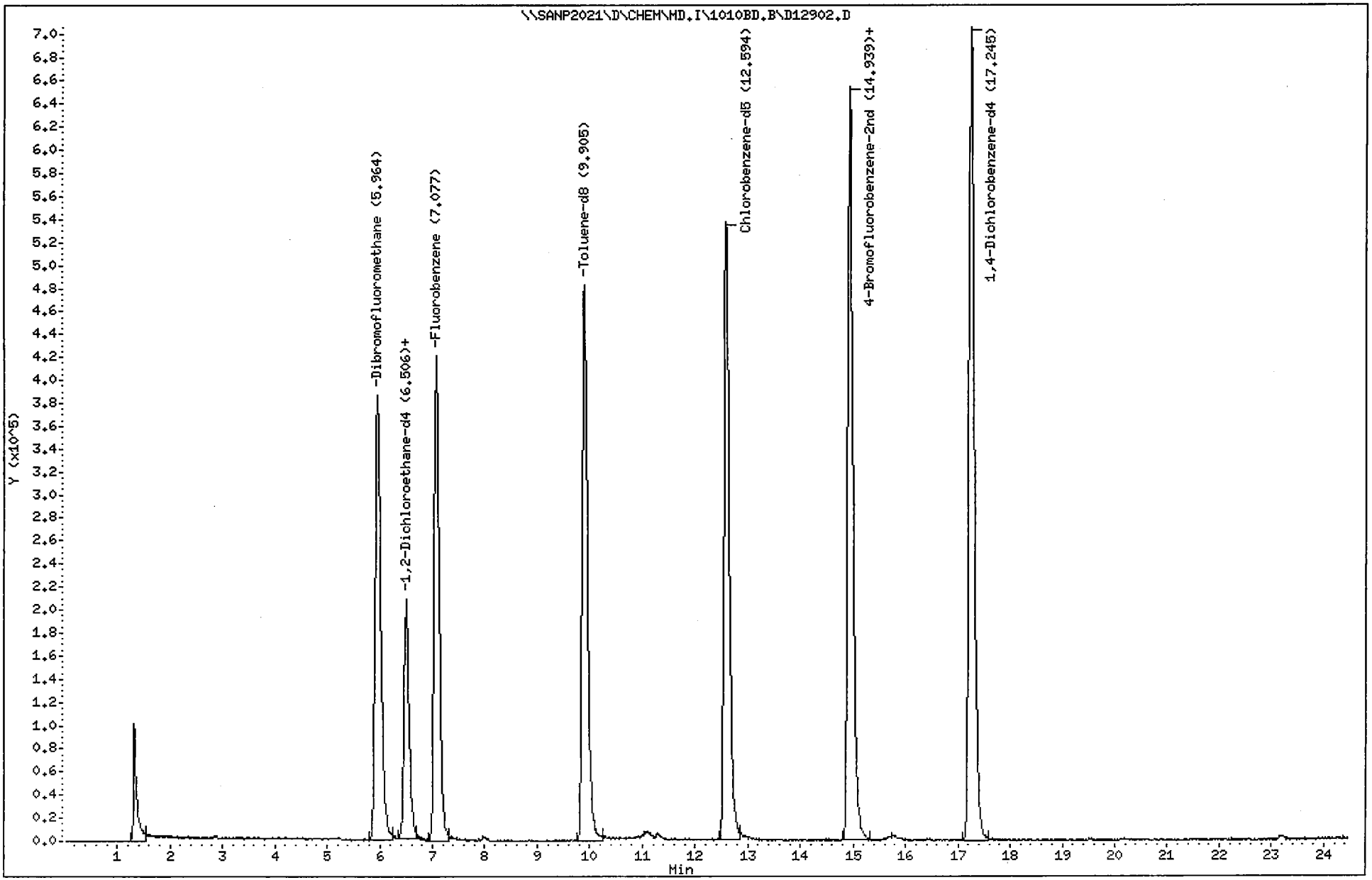
Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12902.D
Date : 11-OCT-2000 02:37
Client ID: D12902
Sample Info: DLFGV101,,2,,0,1,0,8260BDA.M,D12902

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000456

BOE-C6-0147531

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12902.D

Date : 11-OCT-2000 02:37

Client ID: D12902

Instrument: md.i

Sample Info: DLFGV101,,2,,0,1,0,8260BDA.M,D12902

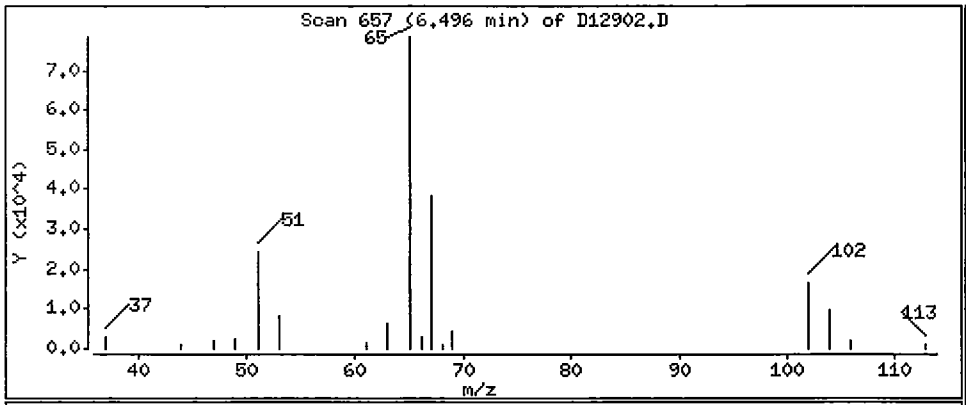
Operator: GFB

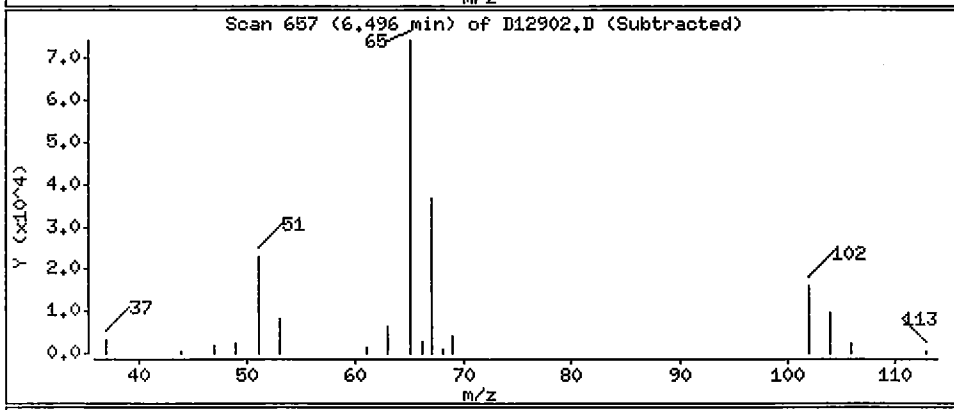
Column phase: J&W DB-624

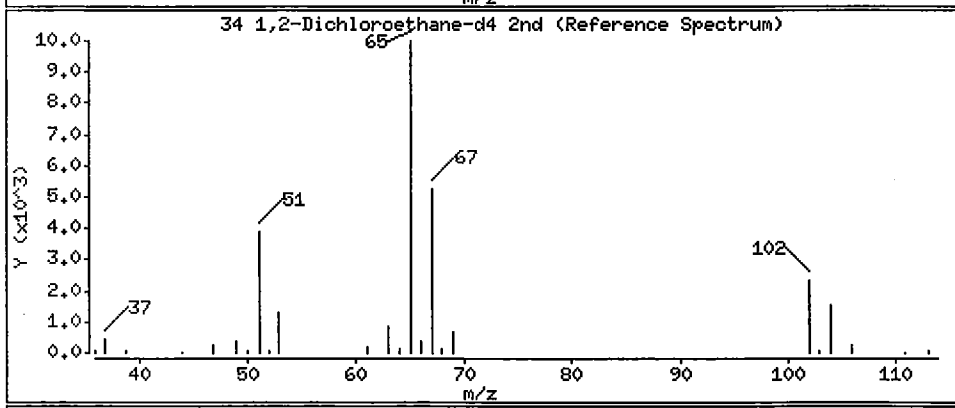
Column diameter: 0.53

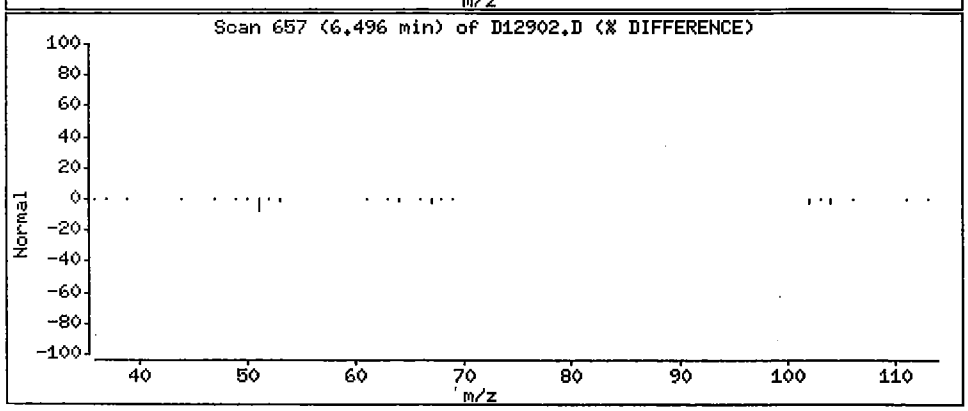
34 1,2-Dichloroethane-d4 2nd

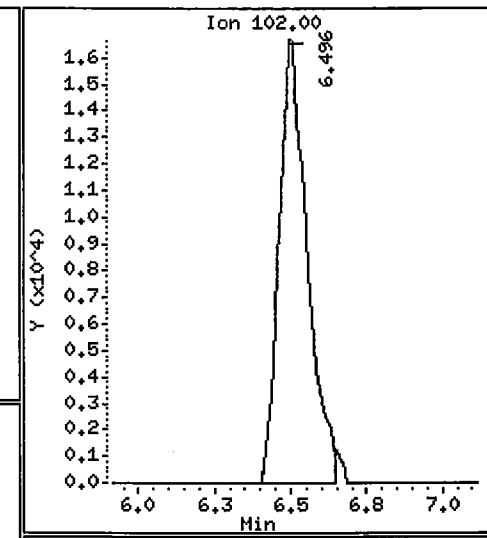
Concentration: 43.12 ug/Kg

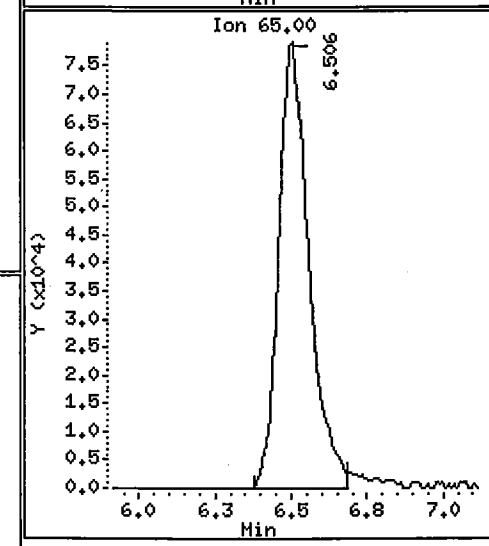












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12902.D

Date : 11-OCT-2000 02:37

Client ID: D12902

Instrument: md.i

Sample Info: DLFGV101,,2,,0,1,0,8260BDA.M,D12902

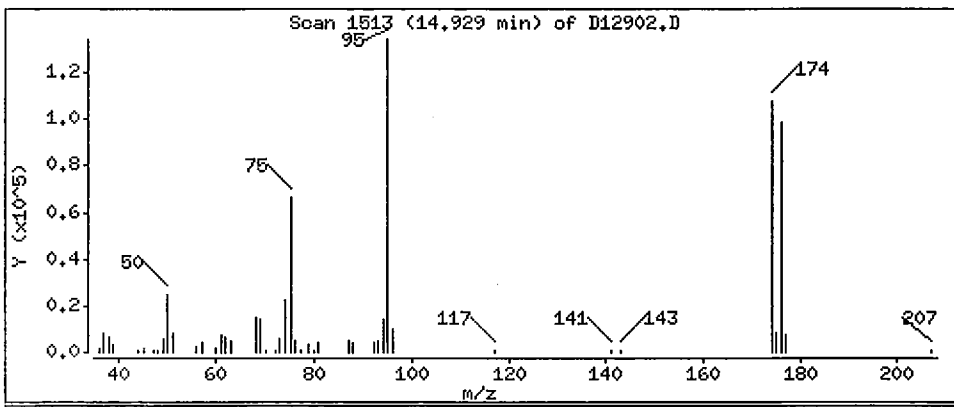
Operator: GFB

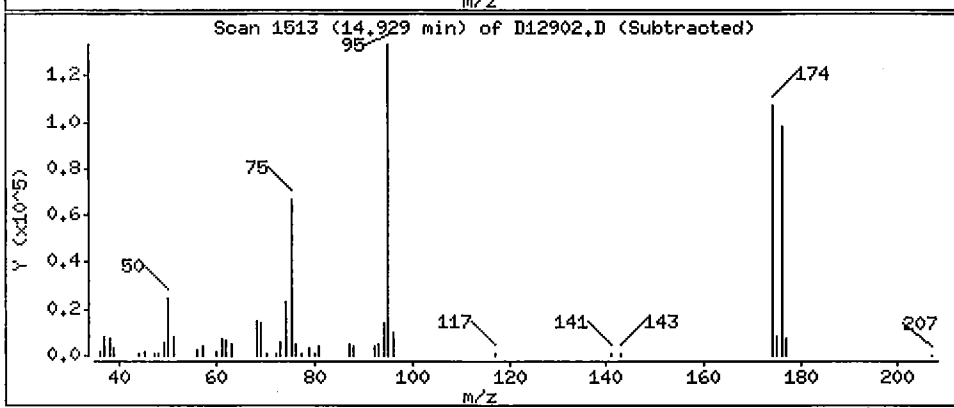
Column phase: J&W DB-624

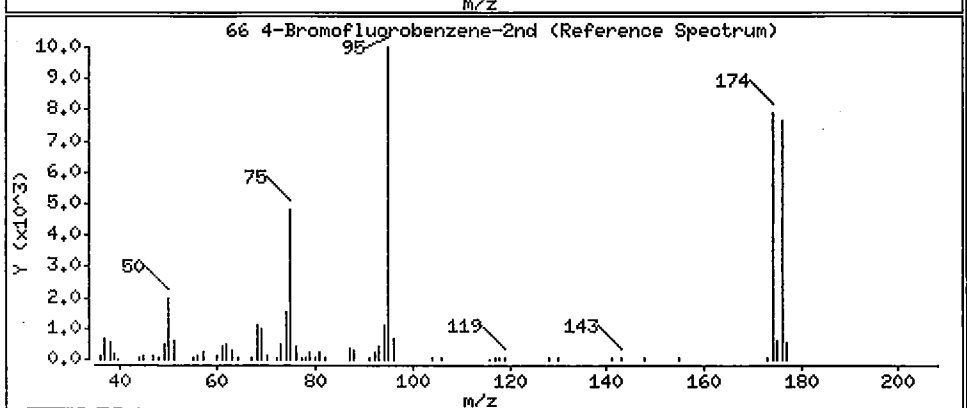
Column diameter: 0.53

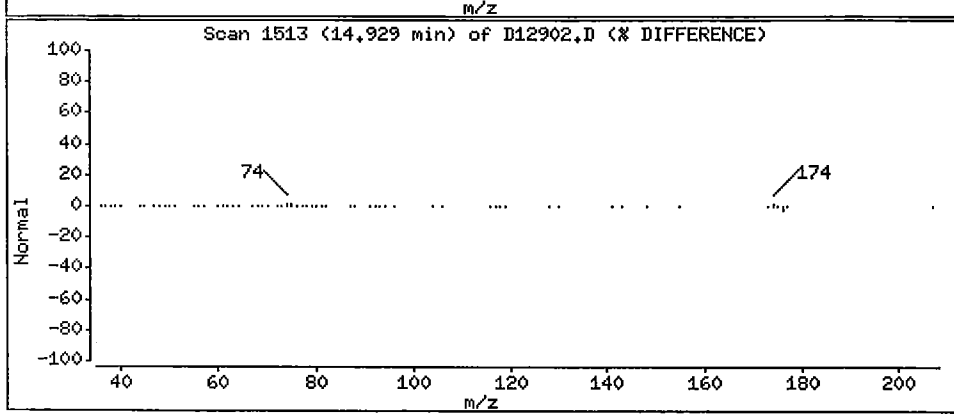
66 4-Bromofluorobenzene-2nd

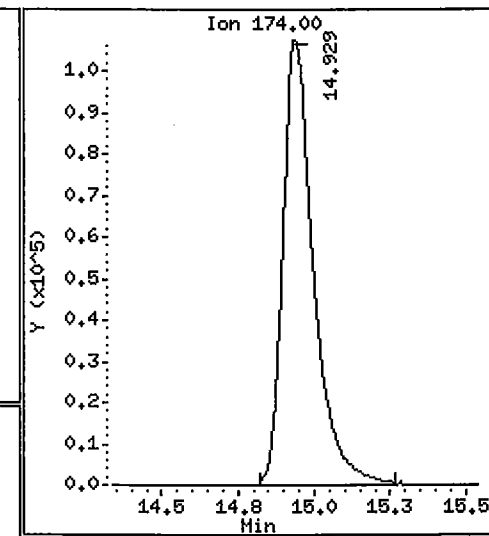
Concentration: 46.05 ug/Kg

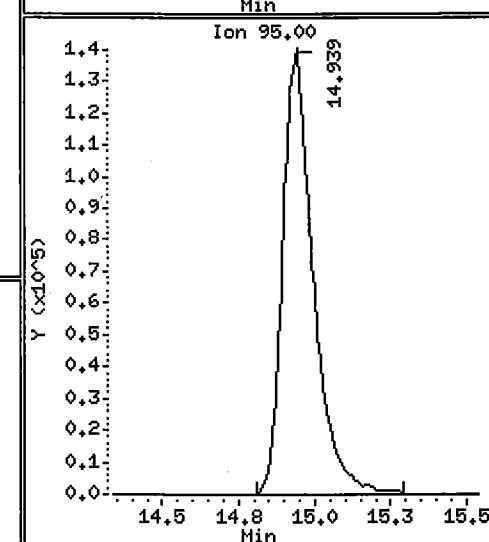


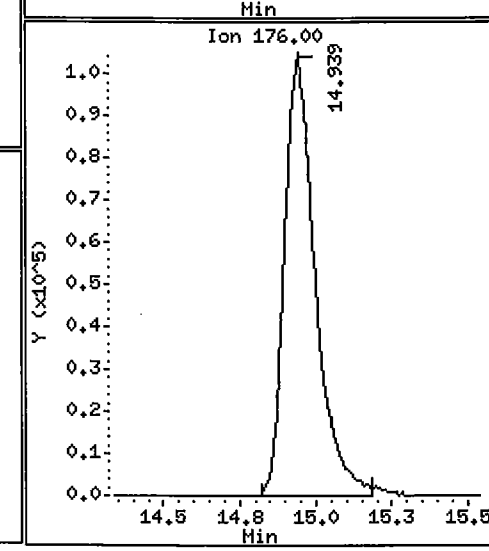












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12902.D

Date : 11-OCT-2000 02:37

Client ID: D12902

Instrument: md.i

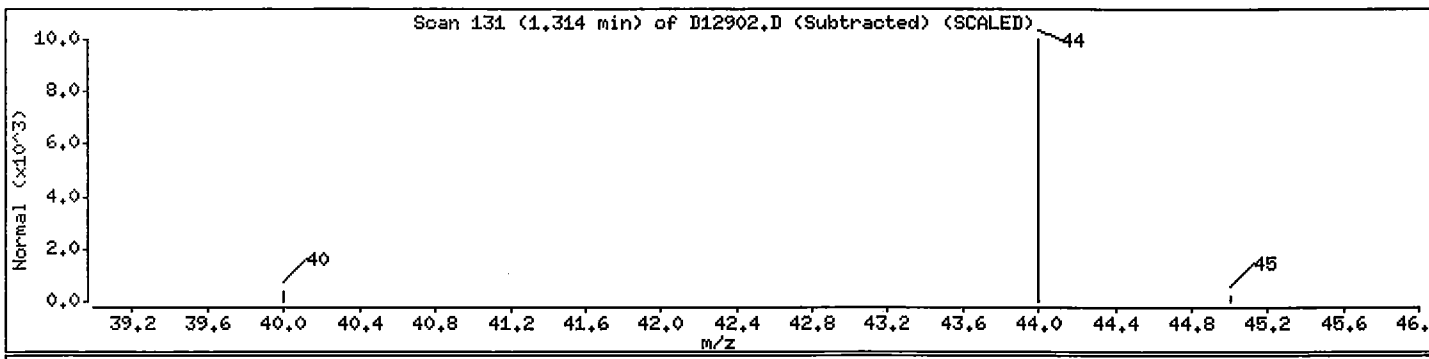
Sample Info: DLFGV101,,2,,0,1,0,8260BDA.M,D12902

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\1010BD.B\D12903.D
Lab Smp Id: DLFHQ101 Client Smp ID: D12903
Inj Date : 11-OCT-2000 03:09
Operator : GFB Inst ID: md.i
Smp Info : DLFHQ101,,2,,0,1,0,8260BDA.M,D12903
Misc Info : 150-5,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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)	
$ 29 Dibromofluoromethane	111	5.967	5.977	(0.843)	875607	47.4651	47.46	
$ 33 1,2-Dichloroethane-d4	65	6.509	6.499	(0.919)	560335	45.0007	45.00	
34 1,2-Dichloroethane-d4 2nd	102	6.509	6.518	(0.919)	111658	44.4478	44.45	
* 38 Fluorobenzene	96	7.080	7.080	(1.000)	1296929	50.0000		
$ 47 Toluene-d8	98	9.908	9.908	(0.786)	1179340	44.7731	44.77	
* 56 Chlorobenzene-d5	117	12.607	12.607	(1.000)	1137829	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.942	14.942	(0.866)	737338	45.8372	45.84	
$ 67 4-Bromofluorobenzene	95	14.942	14.952	(0.866)	968779	45.1231	45.12	
* 79 1,4-Dichlorobenzene-d4	152	17.258	17.257	(1.000)	807857	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\1010BD.B\D12903.D
Lab Smp Id: DLFHQ101 Client Smp ID: D12903
Inj Date : 11-OCT-2000 03:09
Operator : GFB Inst ID: md.i
Smp Info : DLFHQ101,,2,,0,1,0,8260BDA.M,D12903
Misc Info : 150-5,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	7.080	2980331	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.317	435408	7.30468398	7.30	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFHQ101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa02193
Client Smp ID: D12903
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	1.317	7.30	_J__

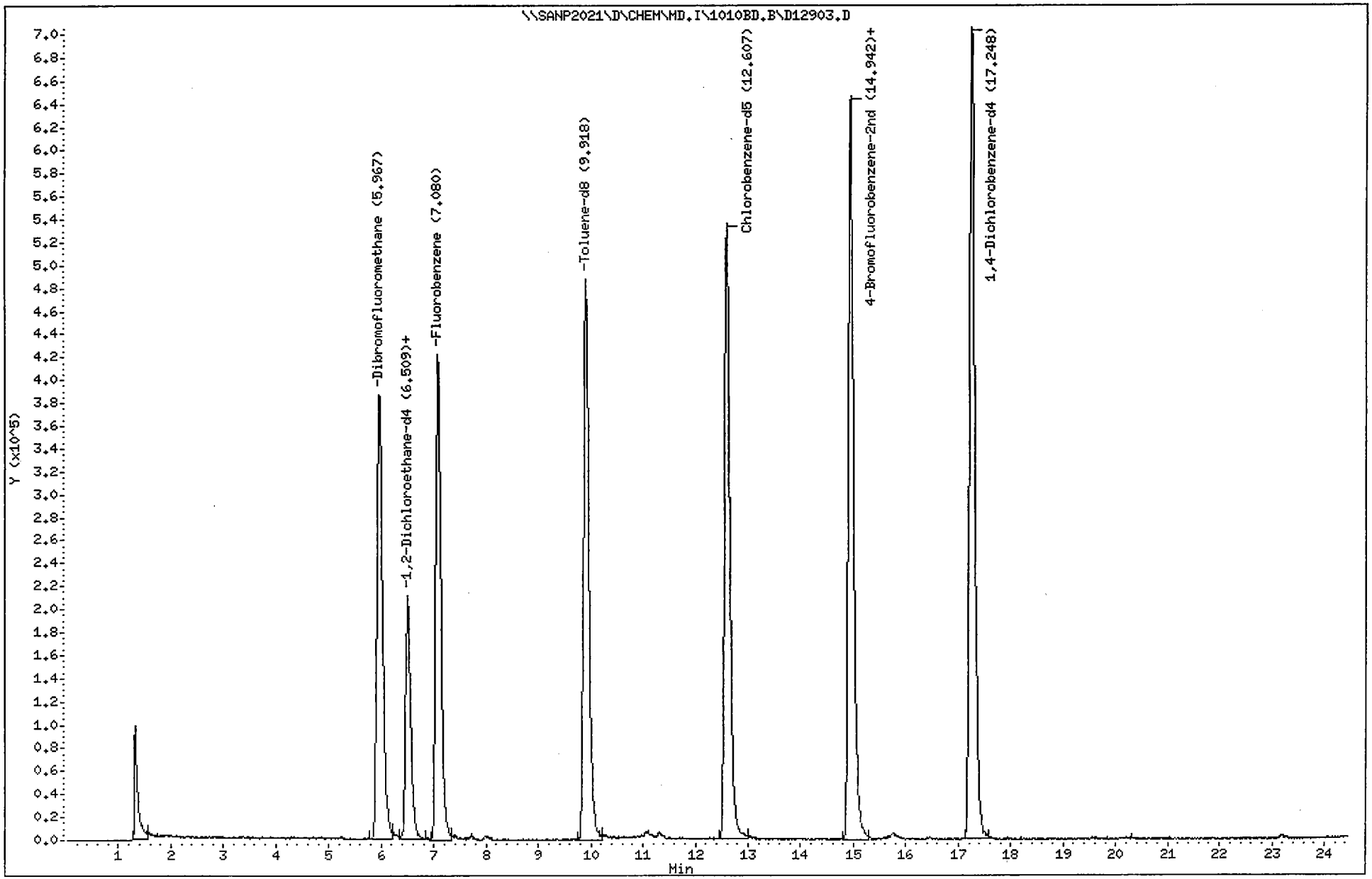
Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12903.D
Date : 11-OCT-2000 03:09
Client ID: D12903
Sample Info: DLFHQ101,,2,,0,1,0,8260BDA.M,D12903

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000463

BOE-C6-0147538

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12903.D

Date : 11-OCT-2000 03:09

Client ID: D12903

Instrument: md.i

Sample Info: DLFHQ101,,2,,0,1,0,8260BDA,M,D12903

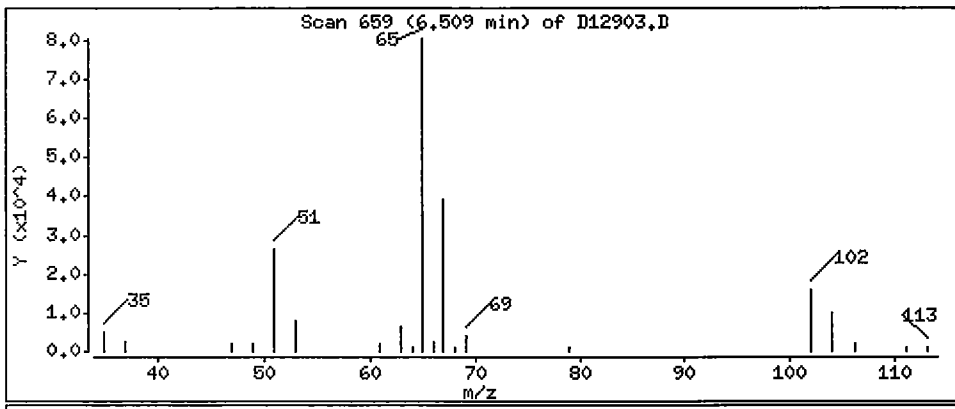
Operator: GFB

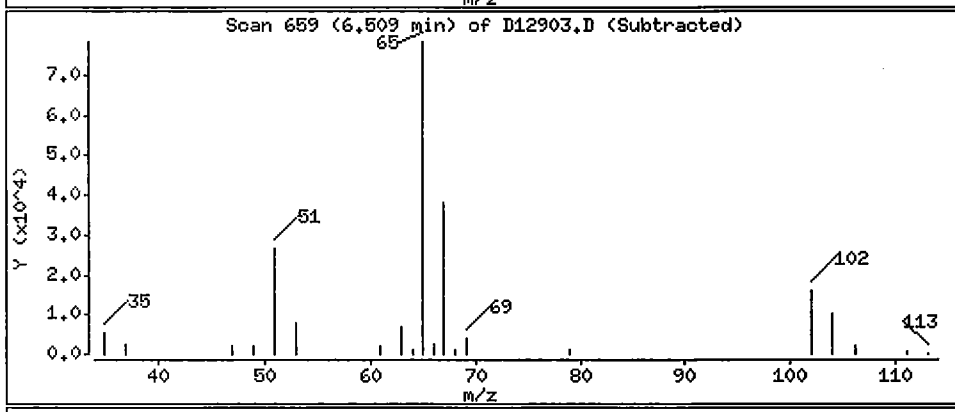
Column phase: J&W DB-624

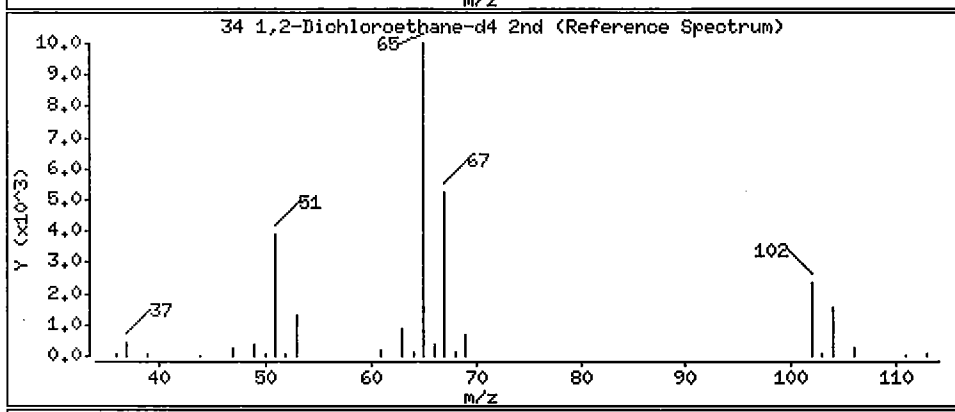
Column diameter: 0.53

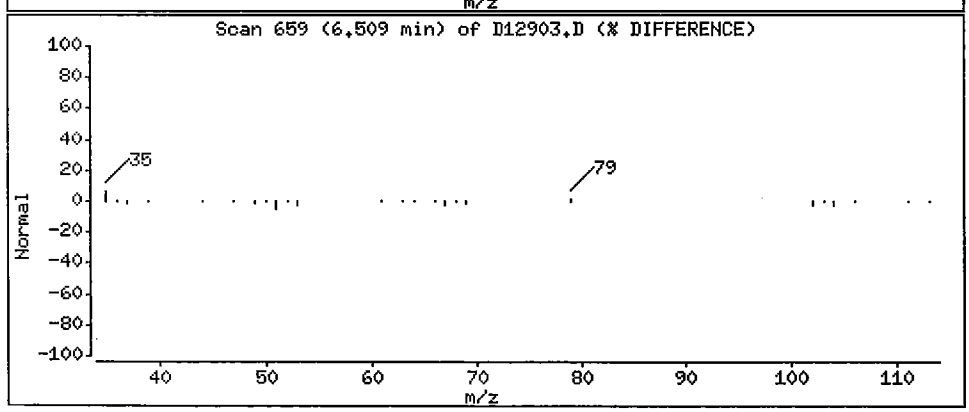
34 1,2-Dichloroethane-d4 2nd

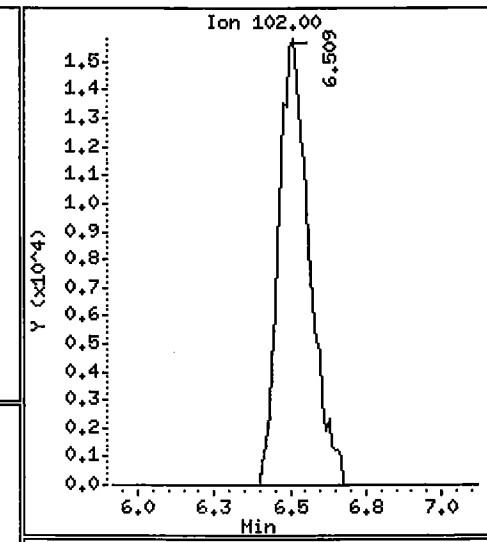
Concentration: 44.45 ug/Kg

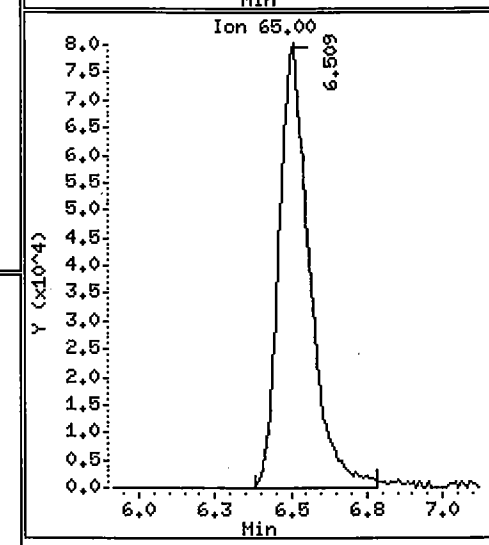












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12903.D

Date : 11-OCT-2000 03:09

Client ID: D12903

Instrument: md.i

Sample Info: DLFHQ101,,2,,0,1,0,8260BDA.M,D12903

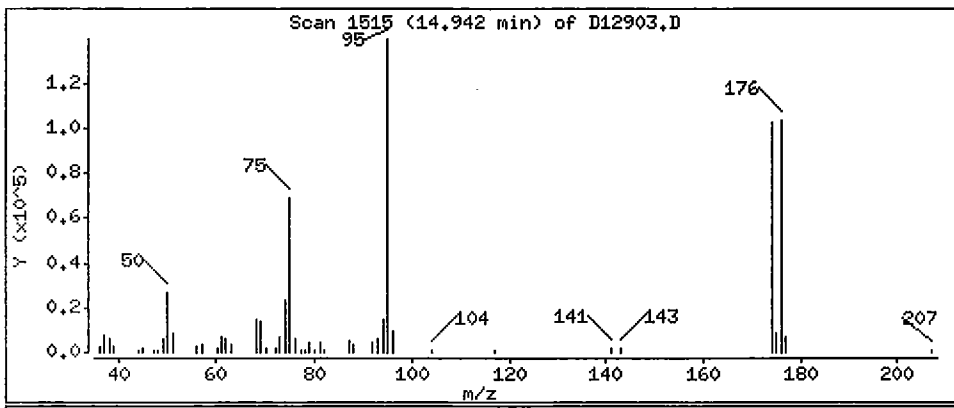
Operator: GFB

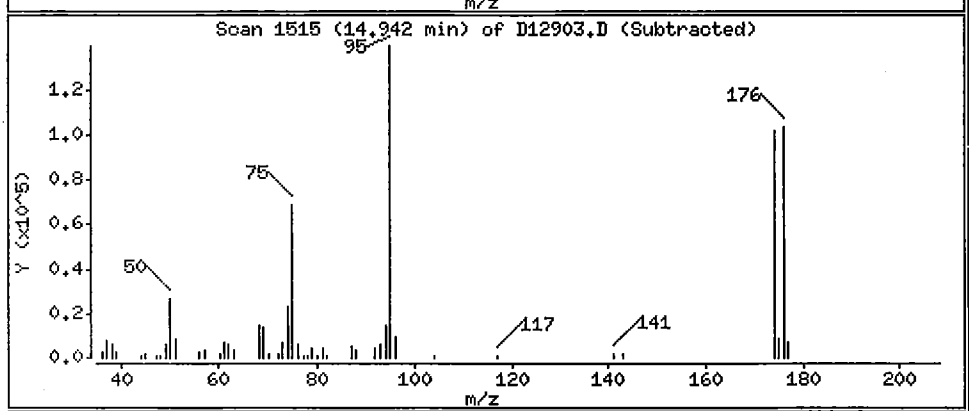
Column phase: J&W DB-624

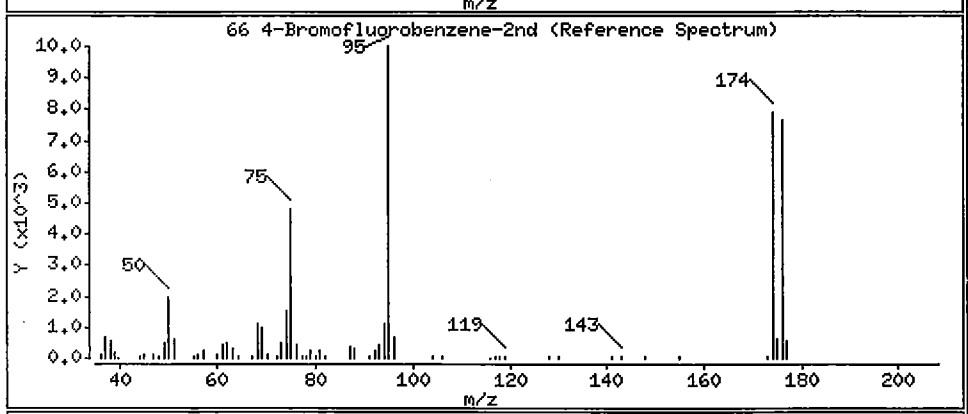
Column diameter: 0.53

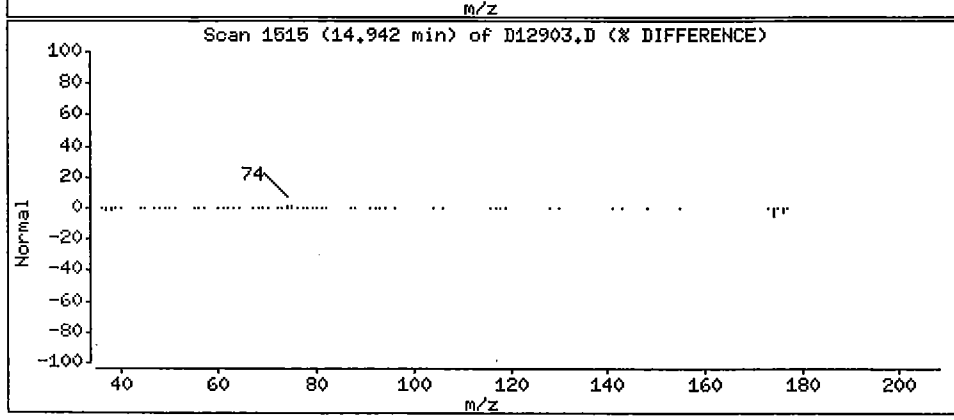
66 4-Bromofluorobenzene-2nd

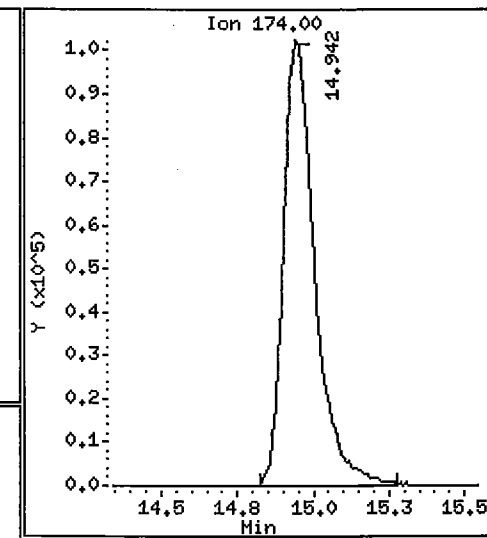
Concentration: 45.84 ug/Kg

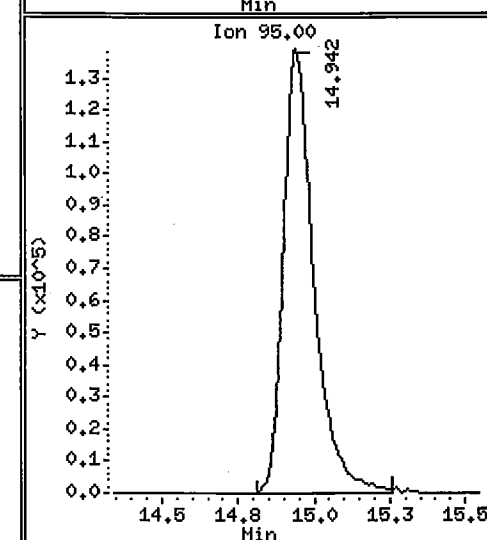


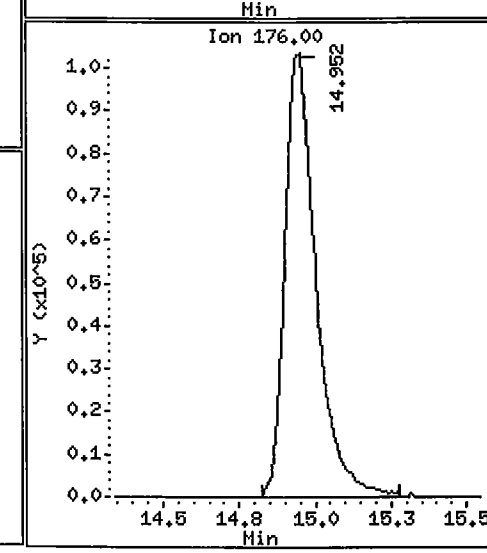












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12903.D

Date : 11-OCT-2000 03:09

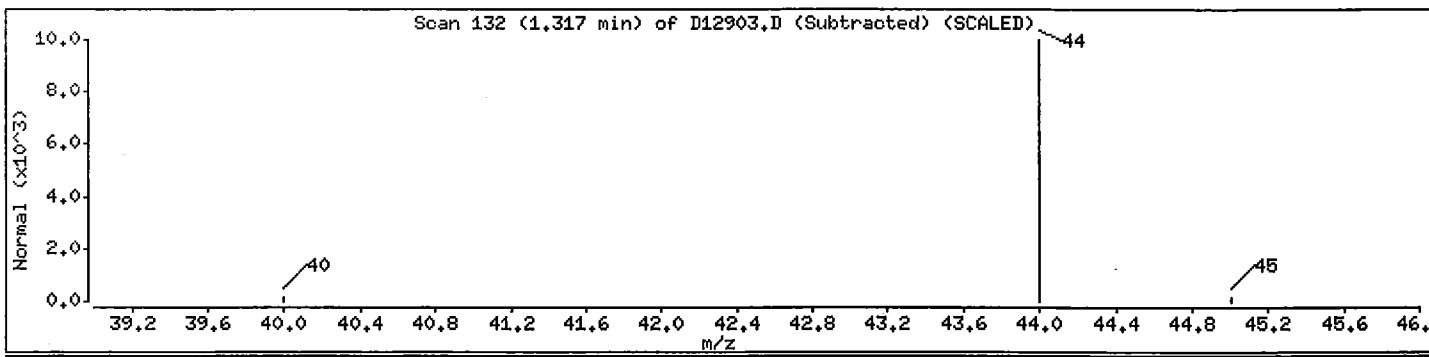
Client ID: D12903 Instrument: md.i

Sample Info: DLFHQ101,,2,,0,1,0,8260BDA.M,D12903

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\1010BD.B\D12906.D
Lab Smp Id: DLFHV101 Client Smp ID: D12906
Inj Date : 11-OCT-2000 04:44
Operator : GFB Inst ID: md.i
Smp Info : DLFHV101,,2,,0,1,0,8260BDA.M,D12906
Misc Info : 150-6,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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)	
$ 29 Dibromofluoromethane	111	5.967	5.977	(0.843)	890675	47.5532	47.55	
$ 33 1,2-Dichloroethane-d4	65	6.509	6.499	(0.919)	565262	44.7113	44.71	
34 1,2-Dichloroethane-d4 2nd	102	6.509	6.518	(0.919)	110659	43.3856	43.38	
* 38 Fluorobenzene	96	7.081	7.080	(1.000)	1316803	50.0000		
$ 47 Toluene-d8	98	9.908	9.908	(0.786)	1190063	45.7532	45.75	
* 56 Chlorobenzene-d5	117	12.608	12.607	(1.000)	1123578	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.943	14.942	(0.866)	703713	49.3286	49.33	
$ 67 4-Bromofluorobenzene	95	14.933	14.952	(0.865)	920941	48.3680	48.37	
* 79 1,4-Dichlorobenzene-d4	152	17.258	17.257	(1.000)	716445	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\1010BD.B\D12906.D
Lab Smp Id: DLFHV101 Client Smp ID: D12906
Inj Date : 11-OCT-2000 04:44
Operator : GFB Inst ID: md.i
Smp Info : DLFHV101,,2,,0,1,0,8260BDA.M,D12906
Misc Info : 150-6,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	7.081	3051326	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.317	460092	7.53920835	7.54	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFHV101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa02193
Client Smp ID: D12906
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	1.317	7.54	J

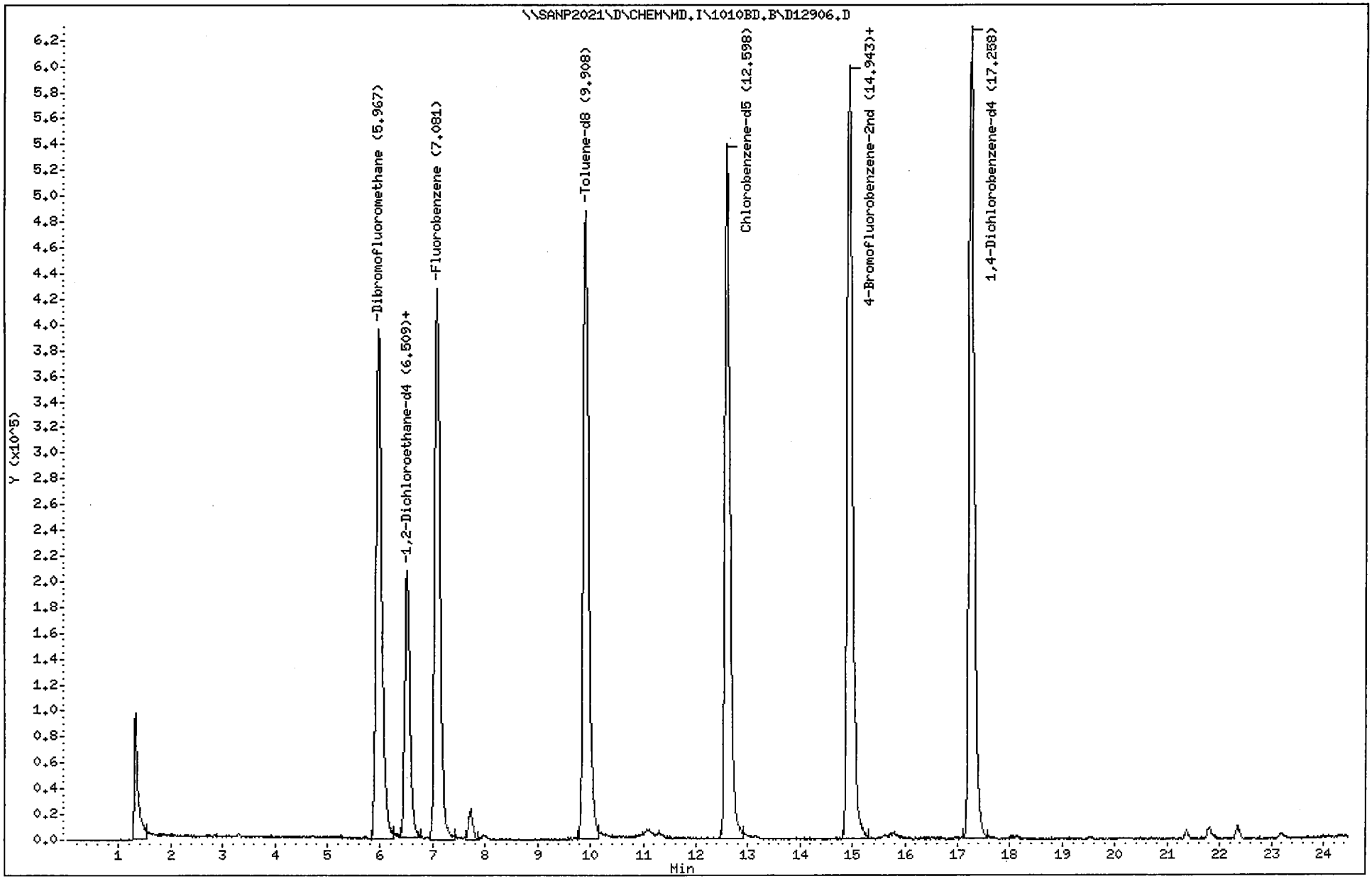
Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12906.D
Date : 11-OCT-2000 04:44
Client ID: D12906
Sample Info: DLFHV101,,2,,0,1,0,8260BDA.M,D12906

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000470

BOE-C6-0147545

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12906.D

Date : 11-OCT-2000 04:44

Client ID: D12906

Instrument: md.i

Sample Info: DLFHV101,,2,,0,1,0,8260BDA.M,D12906

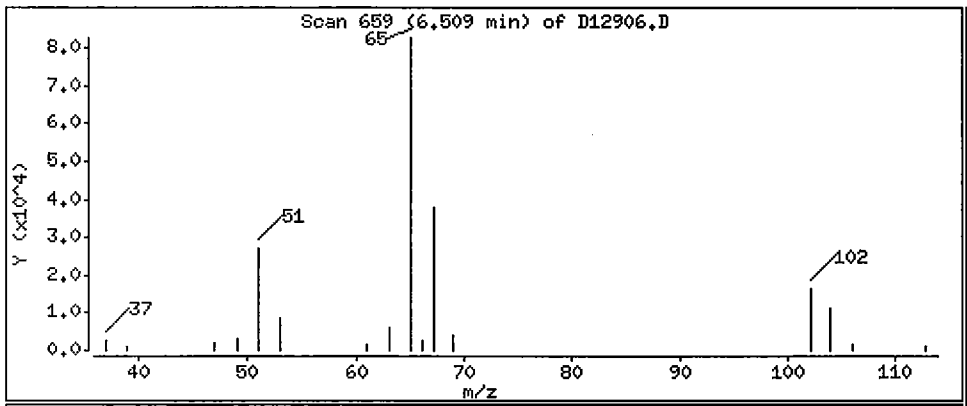
Operator: GFB

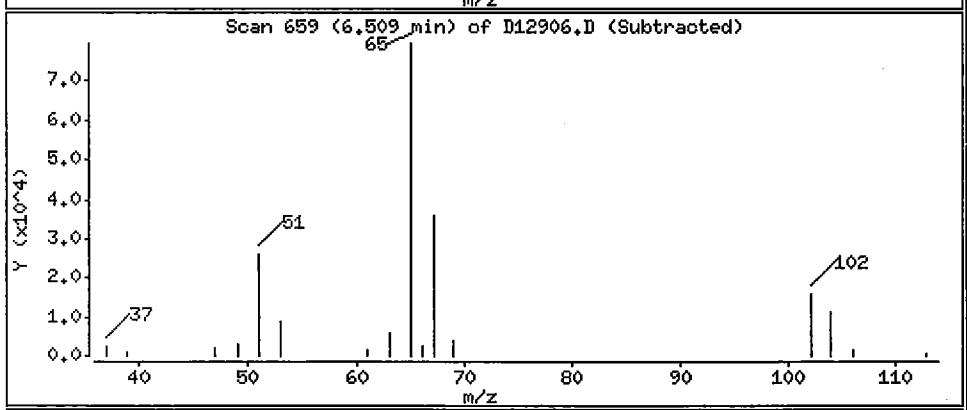
Column phase: J&W DB-624

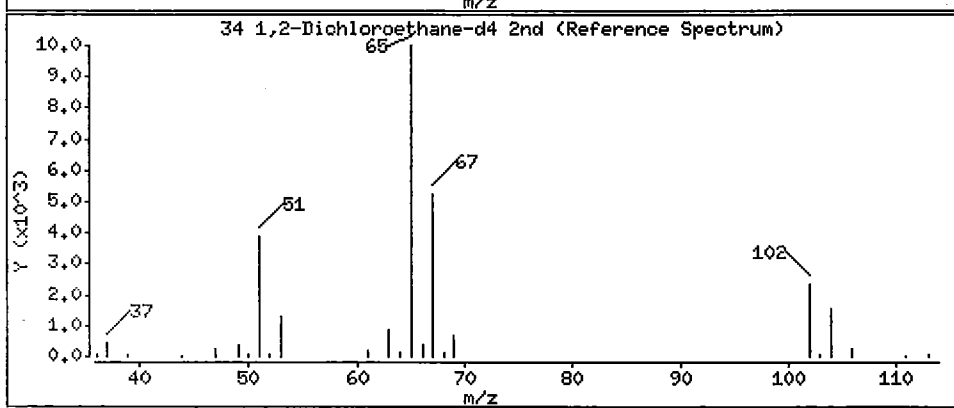
Column diameter: 0.53

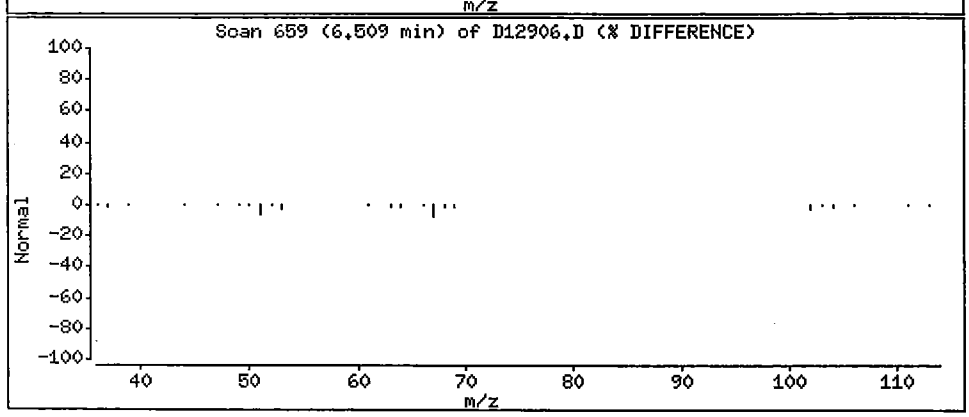
34 1,2-Dichloroethane-d4 2nd

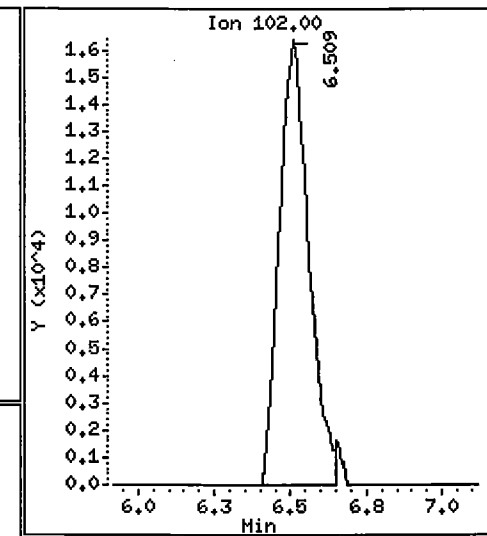
Concentration: 43.38 ug/Kg

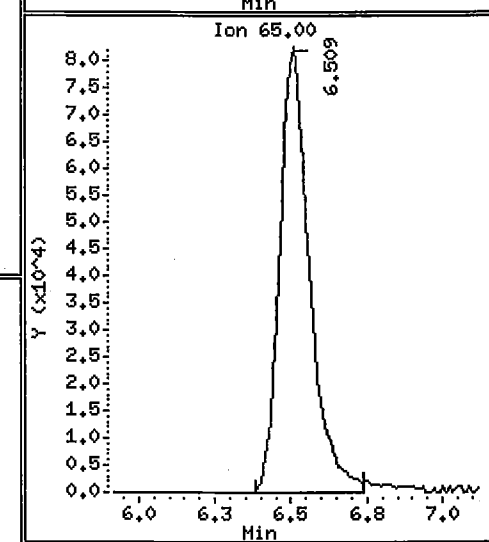












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12906.D

Date : 11-OCT-2000 04:44

Client ID: D12906

Instrument: md.i

Sample Info: DLFHV101,,2,,0,1,0,8260BDA.M,D12906

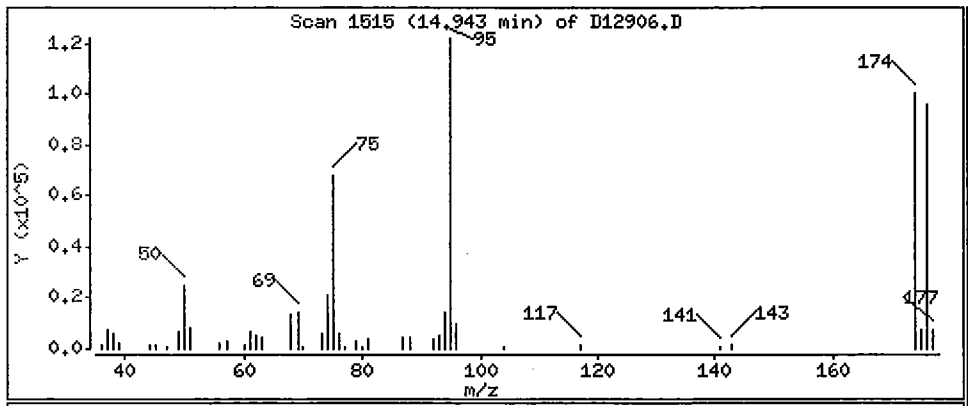
Operator: GFB

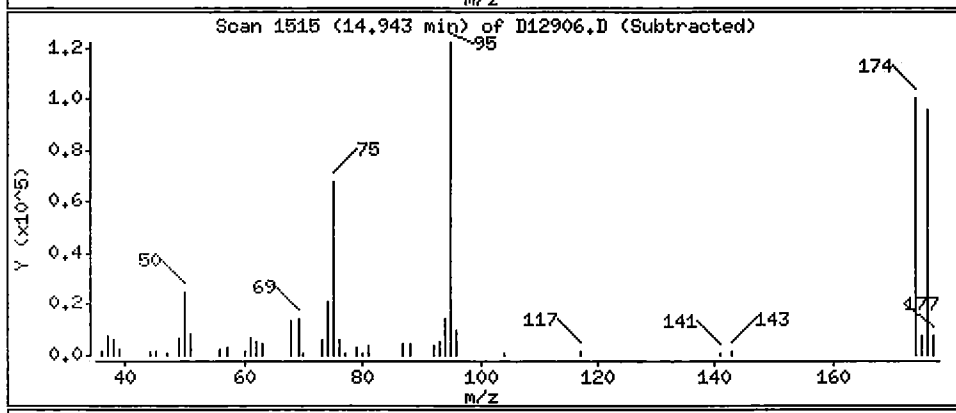
Column phase: J&W DB-624

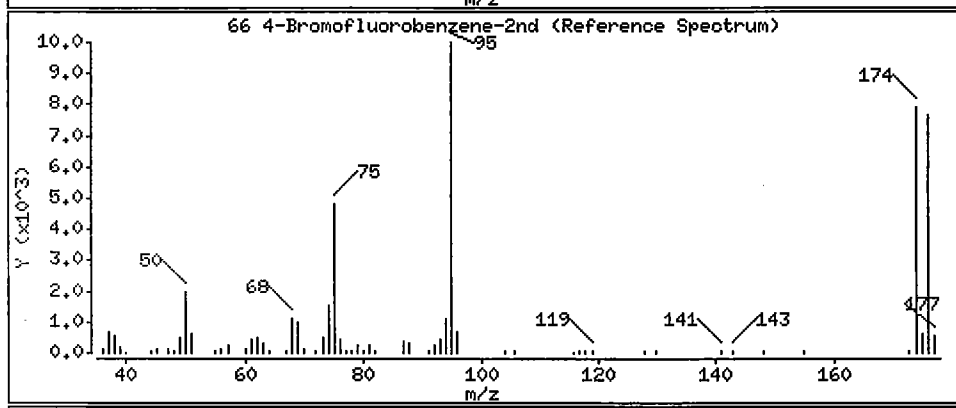
Column diameter: 0.53

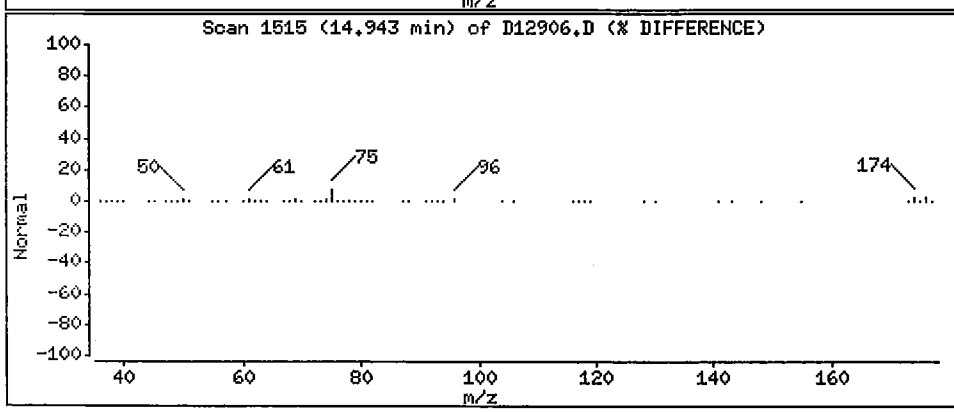
66 4-Bromofluorobenzene-2nd

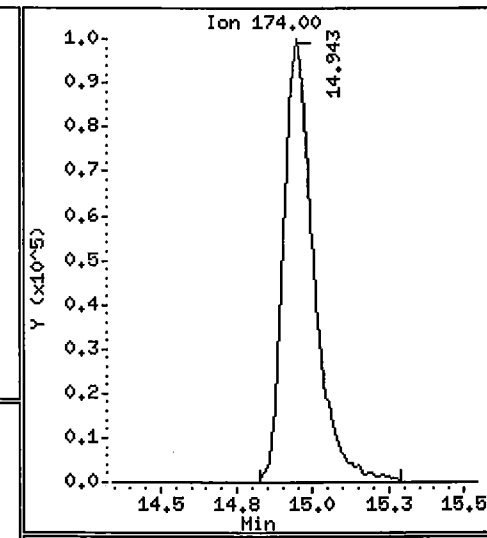
Concentration: 49.33 ug/Kg

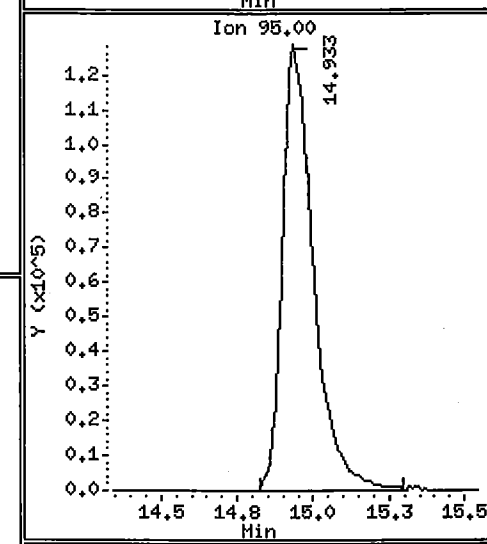


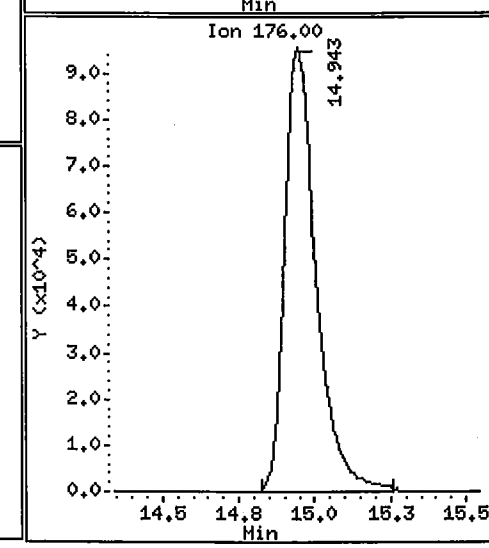












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12906.D

Date : 11-OCT-2000 04:44

Client ID: D12906

Instrument: md.i

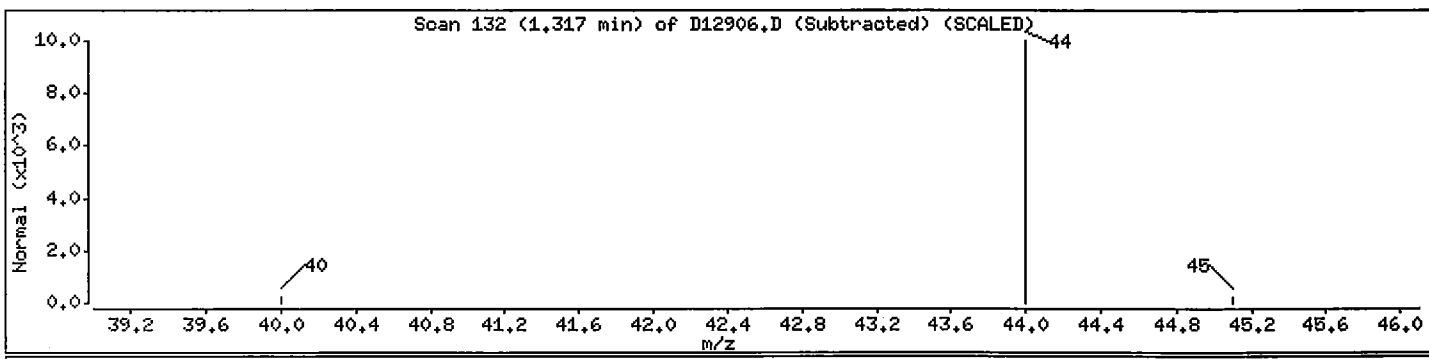
Sample Info: DLFHV101,,2,,0,1,0,8260BDA.M,D12906

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

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



CO_2

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1010BD.B\D12907.D
Lab Smp Id: DLFHX101 Client Smp ID: D12907
Inj Date : 11-OCT-2000 05:16
Operator : GFB Inst ID: md.i
Smp Info : DLFHX101,,2,,0,1,0,8260BDA.M,D12907
Misc Info : 150-7,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	5.957	5.977	(0.841)	877783	48.0857	48.08	
$ 33 1,2-Dichloroethane-d4	65	6.509	6.499	(0.919)	556989	45.2046	45.20	
34 1,2-Dichloroethane-d4 2nd	102	6.499	6.518	(0.918)	107523	43.2541	43.25	
* 38 Fluorobenzene	96	7.080	7.080	(1.000)	1283371	50.0000		
$ 47 Toluene-d8	98	9.908	9.908	(0.786)	1186158	44.7328	44.73	
* 56 Chlorobenzene-d5	117	12.598	12.607	(1.000)	1145436	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.942	14.942	(0.866)	736975	46.1575	46.16	
$ 67 4-Bromofluorobenzene	95	14.942	14.952	(0.866)	962568	45.1693	45.17	
* 79 1,4-Dichlorobenzene-d4	152	17.248	17.257	(1.000)	801857	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\1010BD.B\D12907.D
Lab Smp Id: DLFHX101 Client Smp ID: D12907
Inj Date : 11-OCT-2000 05:16
Operator : GFB Inst ID: md.i
Smp Info : DLFHX101,,2,,0,1,0,8260BDA.M,D12907
Misc Info : 150-7,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	7.080	2968482	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.317	486350	8.19189439	8.19	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFHX101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa02193
Client Smp ID: D12907
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 OV	1.317	8.19	J

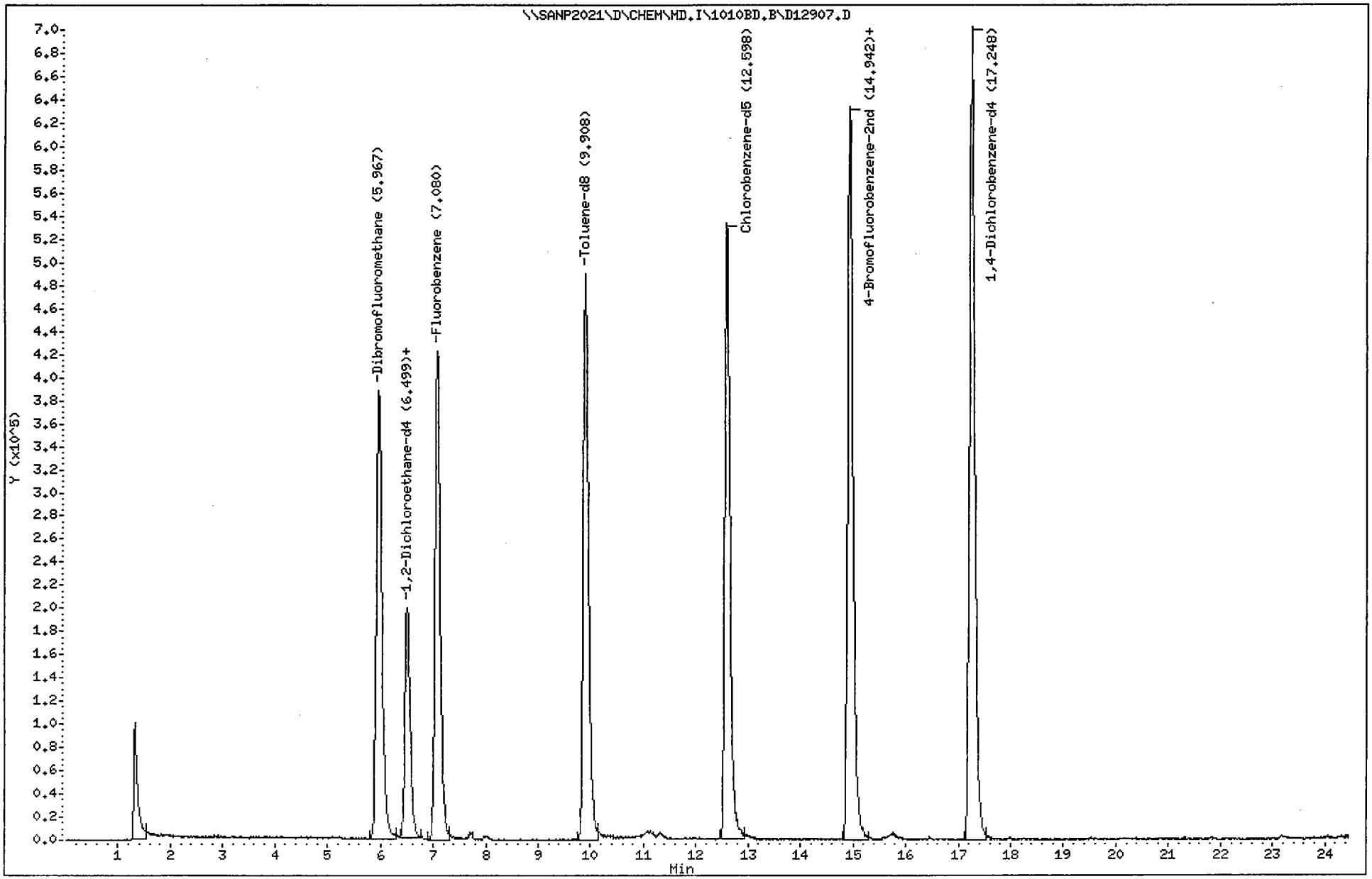
Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12907.D
Date : 11-OCT-2000 05:16
Client ID: D12907
Sample Info: DLFHX101,,2,,0,1,0,8260BDA.M,D12907

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000477

BOE-C6-0147552

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12907.D

Date : 11-OCT-2000 05:16

Client ID: D12907

Instrument: md.i

Sample Info: DLFHX101,,2,,0,1,0,8260BDA,M,D12907

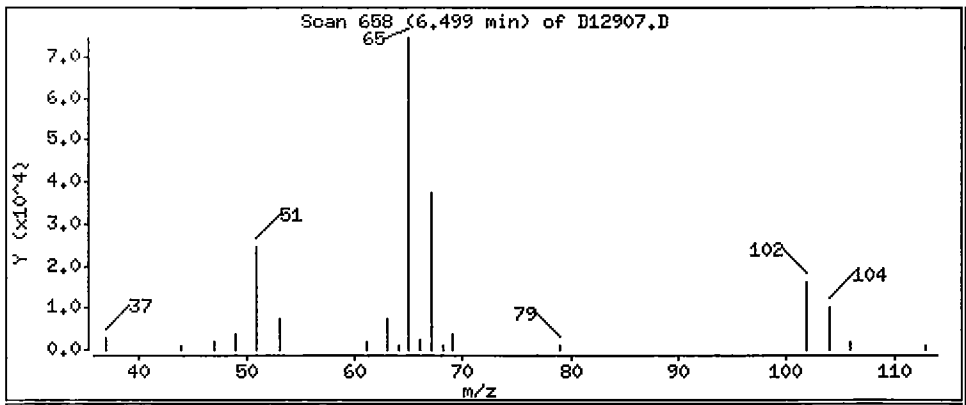
Operator: GFB

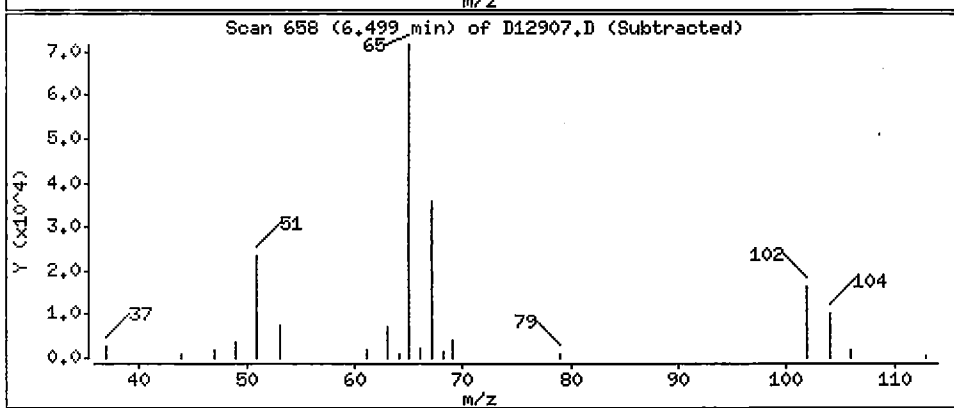
Column phase: J&W DB-624

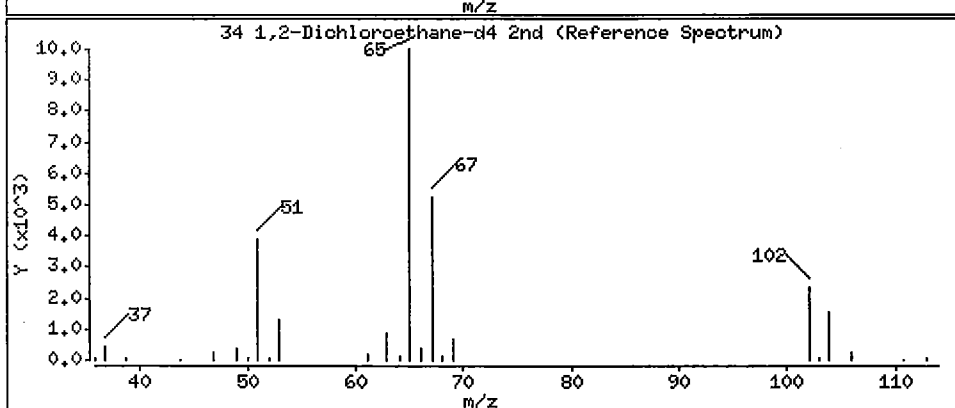
Column diameter: 0.53

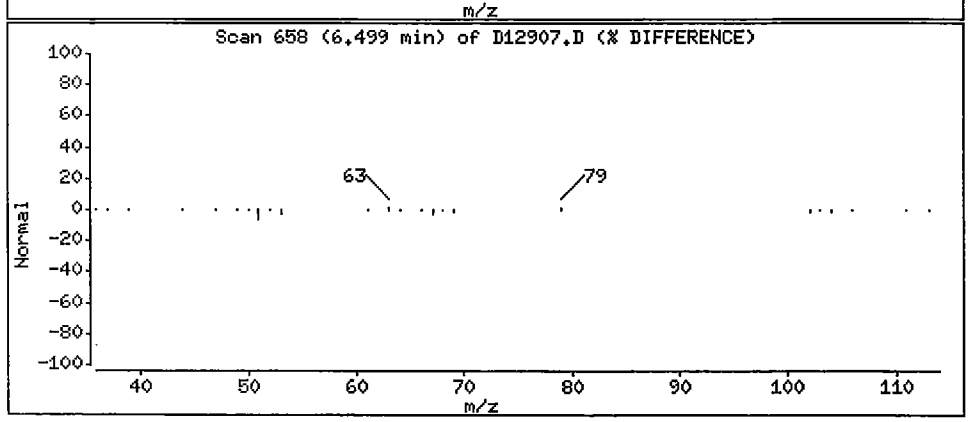
34 1,2-Dichloroethane-d4 2nd

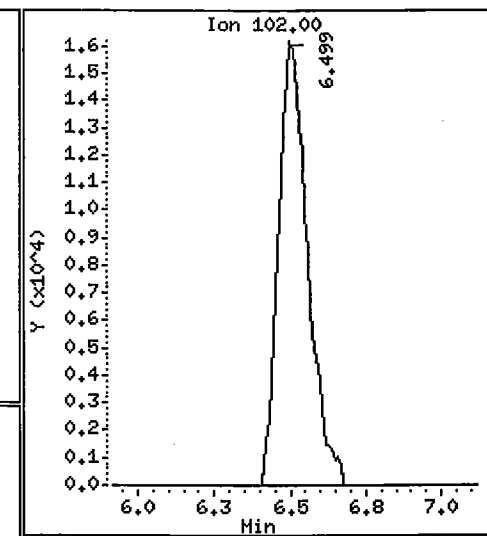
Concentration: 43.25 ug/Kg

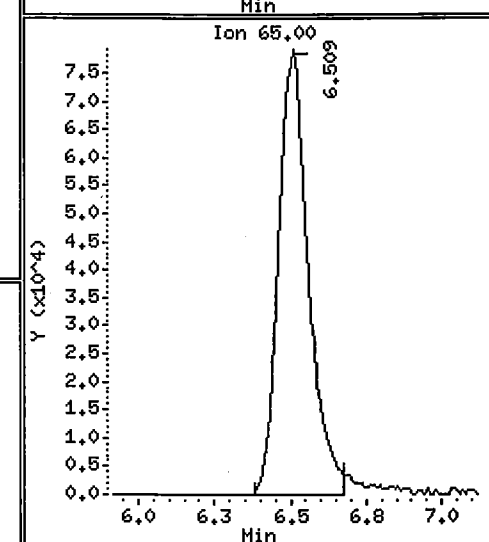












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12907.D

Date : 11-OCT-2000 05:16

Client ID: D12907

Instrument: md.i

Sample Info: DLFHX101,,2,,0,1,0,8260BDA,M,D12907

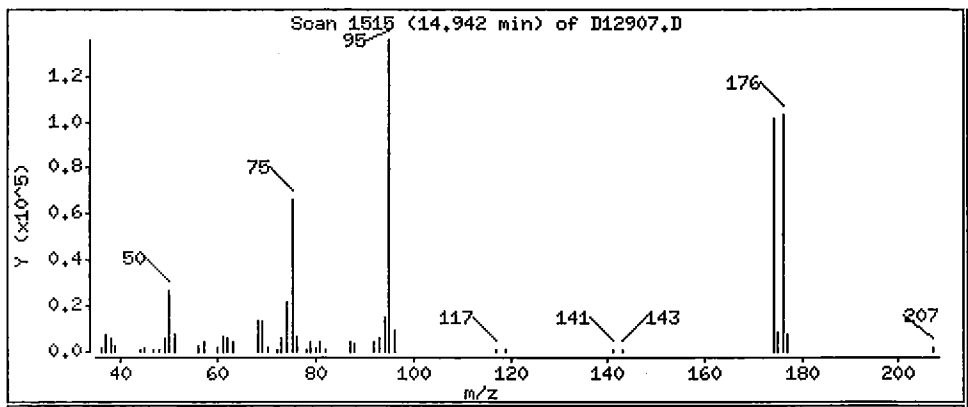
Operator: GFB

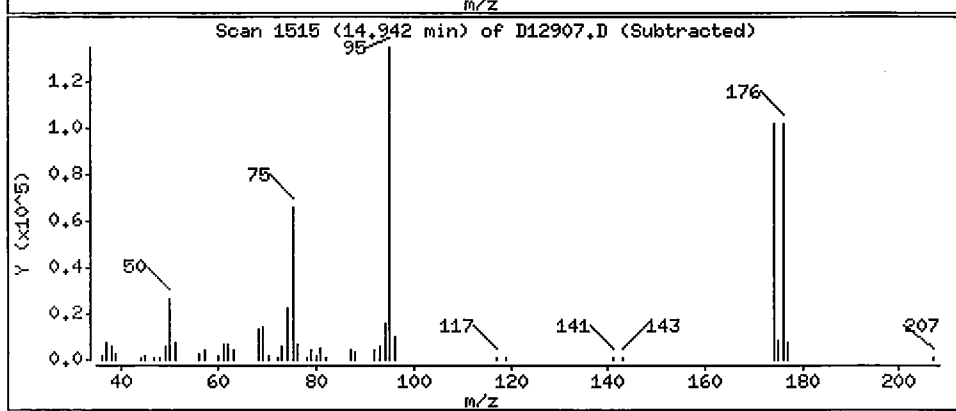
Column phase: J&W DB-624

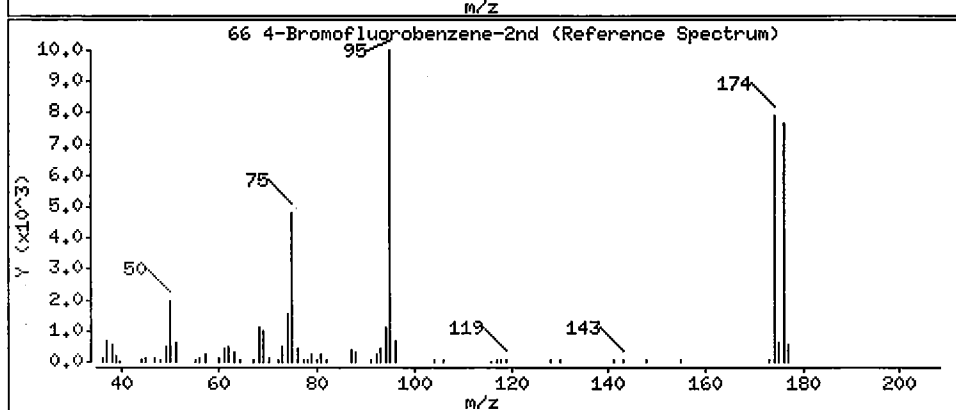
Column diameter: 0.53

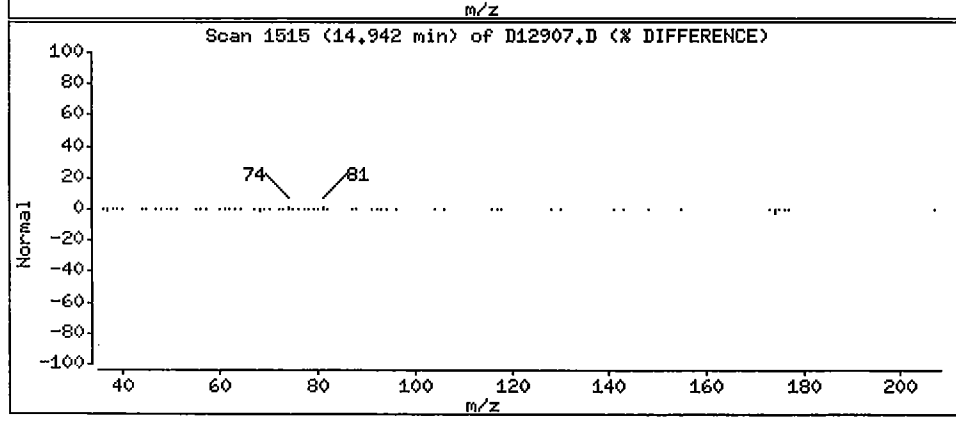
66 4-Bromofluorobenzene-2nd

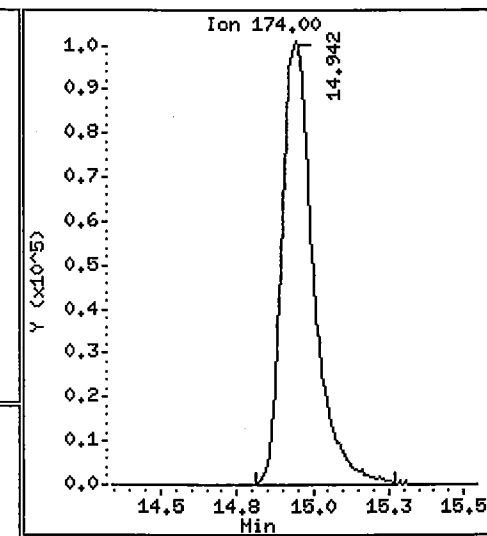
Concentration: 46.16 ug/Kg

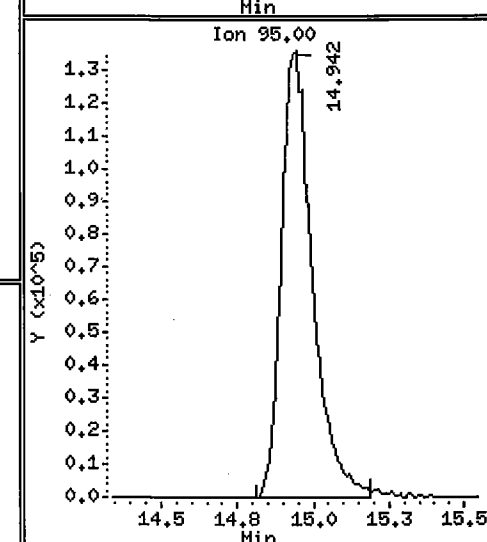


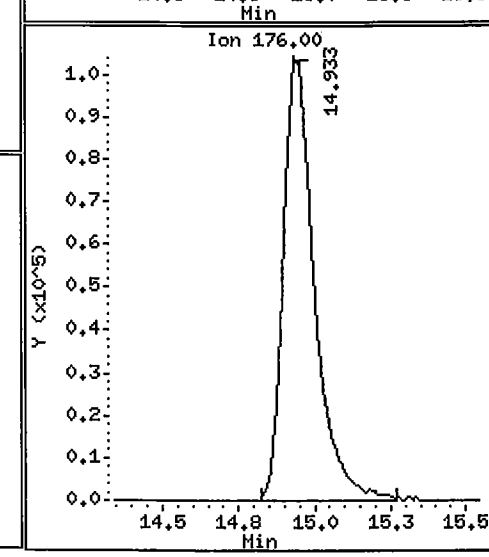












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12907.D

Date : 11-OCT-2000 05:16

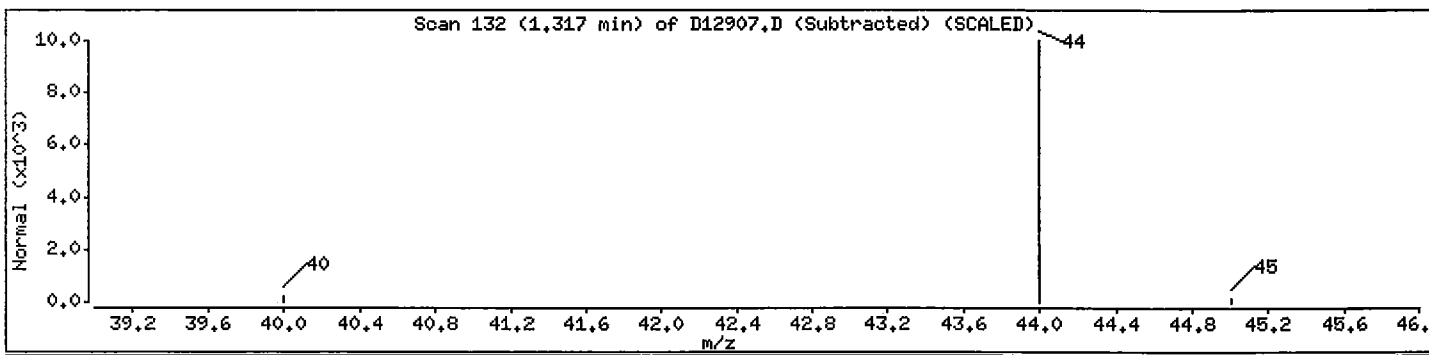
Client ID: D12907 Instrument: md.i

Sample Info: DLFHX101,,2,,0,1,0,8260BDA.M,D12907

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\1010BD.B\D12908.D
Lab Smp Id: DLFJ3101 Client Smp ID: D12908
Inj Date : 11-OCT-2000 05:47
Operator : GFB Inst ID: md.i
Smp Info : DLFJ3101,,2,,0,1,0,8260BDA.M,D12908
Misc Info : 150-8,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	5.967	5.977	(0.843)	861201	46.9403	46.94
$ 33 1,2-Dichloroethane-d4	65	6.509	6.499	(0.919)	553755	44.7164	44.72
34 1,2-Dichloroethane-d4 2nd	102	6.499	6.518	(0.918)	112431	45.0013	45.00
36 1,2-Dichloroethane	62	7.100	6.637	(1.003)	23090	1.67520	1.68(aQ)
* 38 Fluorobenzene	96	7.080	7.080	(1.000)	1289851	50.0000	
39 Trichloroethene	130	7.711	7.720	(1.089)	82545	6.84719	6.85
$ 47 Toluene-d8	98	9.908	9.908	(0.786)	1171204	45.0158	45.02
* 56 Chlorobenzene-d5	117	12.598	12.607	(1.000)	1123887	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.952	14.942	(0.866)	740637	47.1985	47.20
$ 67 4-Bromofluorobenzene	95	14.933	14.952	(0.865)	963037	45.9820	45.98
* 79 1,4-Dichlorobenzene-d4	152	17.258	17.257	(1.000)	788069	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\1010BD.B\D12908.D
Lab Smp Id: DLFJ3101 Client Smp ID: D12908
Inj Date : 11-OCT-2000 05:47
Operator : GFB Inst ID: md.i
Smp Info : DLFJ3101,,2,,0,1,0,8260BDA.M,D12908
Misc Info : 150-8,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	7.080	2978249	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.317	461662	7.75055666	7.75	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJ3101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa02193
Client Smp ID: D12908
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 02	1.317	7.75	J

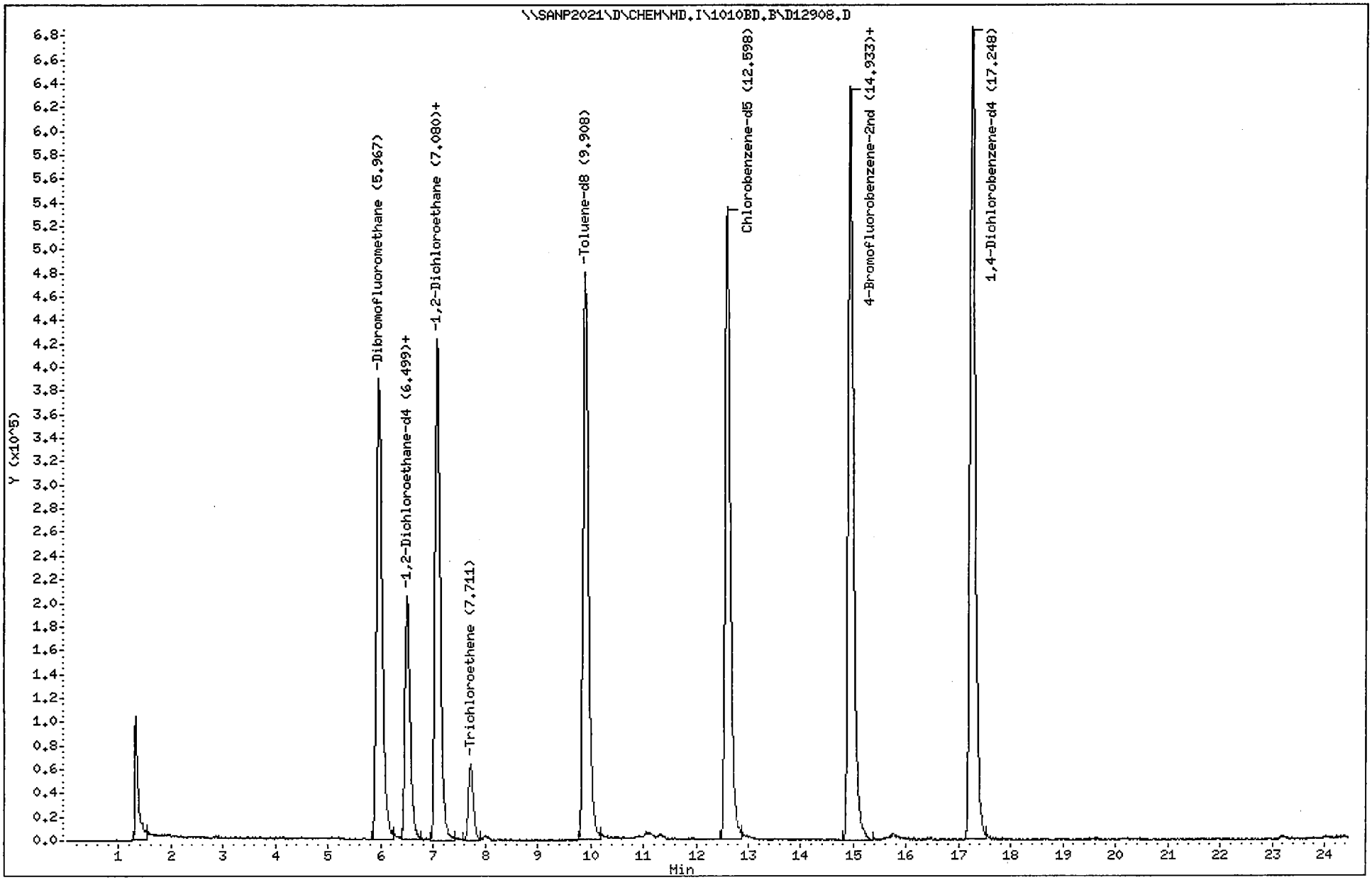
Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12908.D
Date : 11-OCT-2000 05:47
Client ID: D12908
Sample Info: DLFJ3101,,2,,0,1,0,8260BDA.M,D12908

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000485

BOE-C6-0147560

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12908.D

Date : 11-OCT-2000 05:47

Client ID: D12908

Instrument: md.i

Sample Info: DLFJ3101,,2,,0,1,0,8260BDA.M,D12908

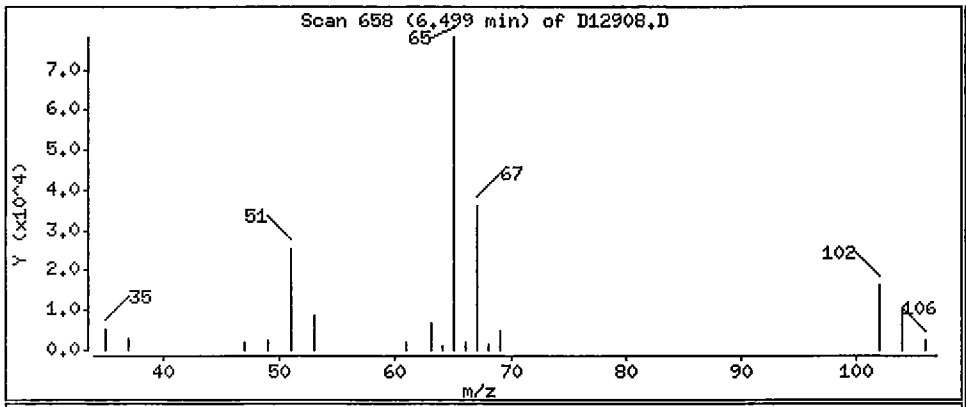
Operator: GFB

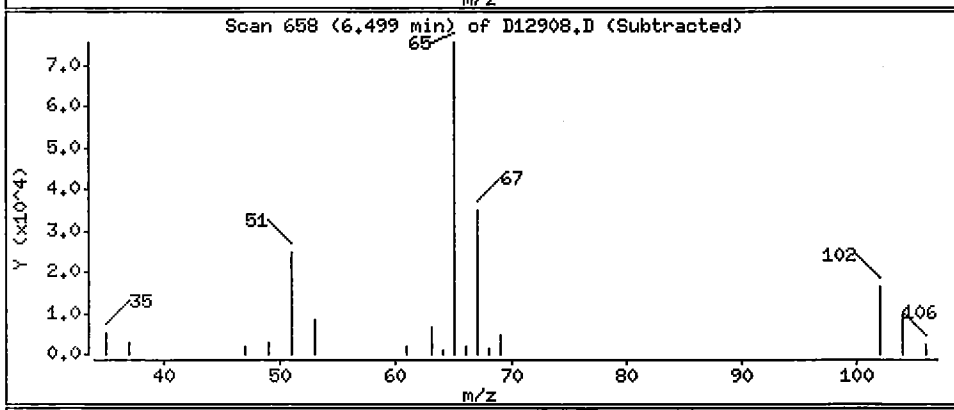
Column phase: J&W DB-624

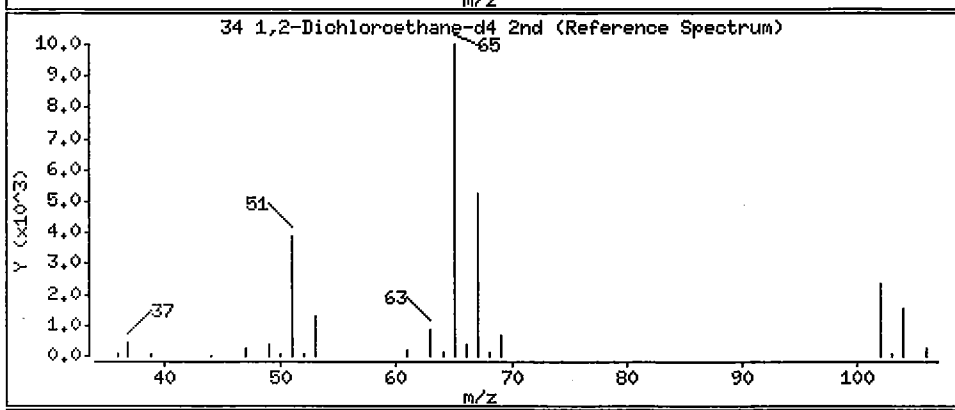
Column diameter: 0.53

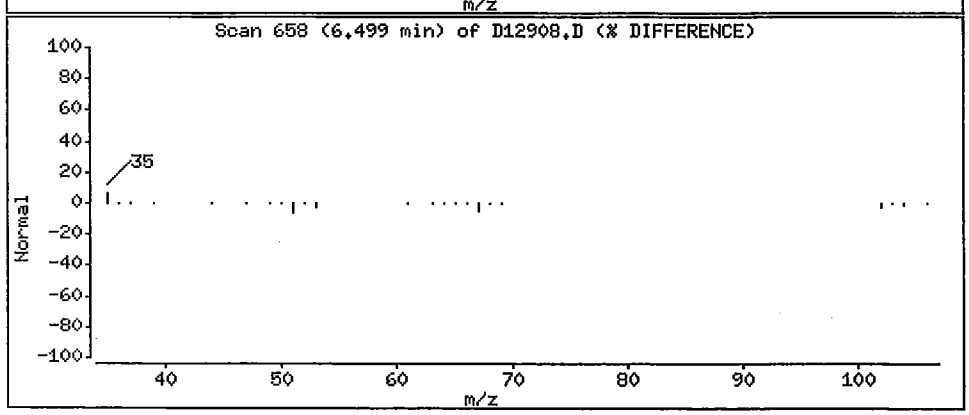
34 1,2-Dichloroethane-d4 2nd

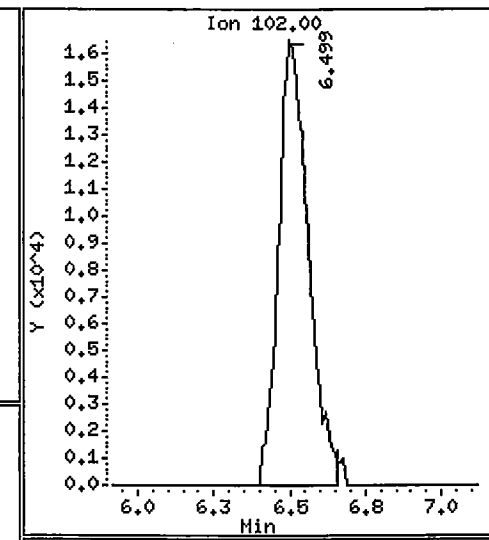
Concentration: 45.00 ug/Kg

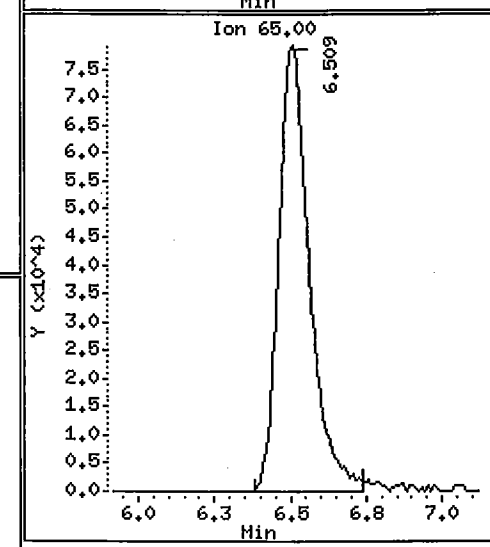












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12908.D

Date : 11-OCT-2000 05:47

Client ID: D12908

Instrument: md.i

Sample Info: DLFJ3101,,2,,0,1,0,8260BDA.M,D12908

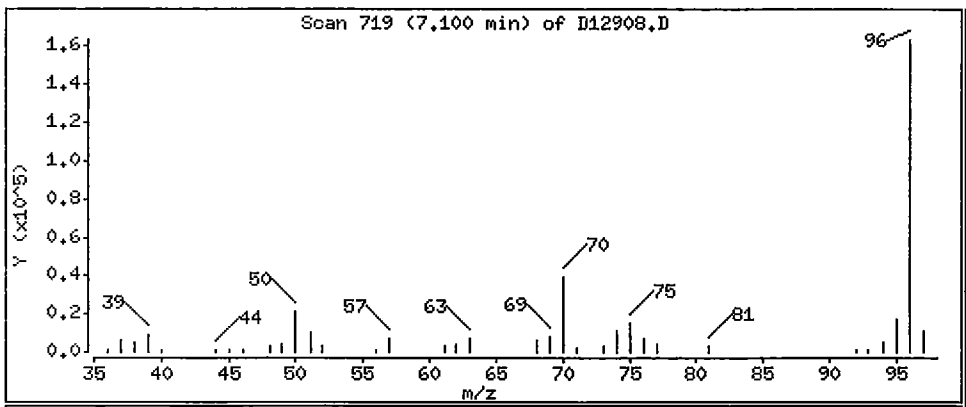
Operator: GFB

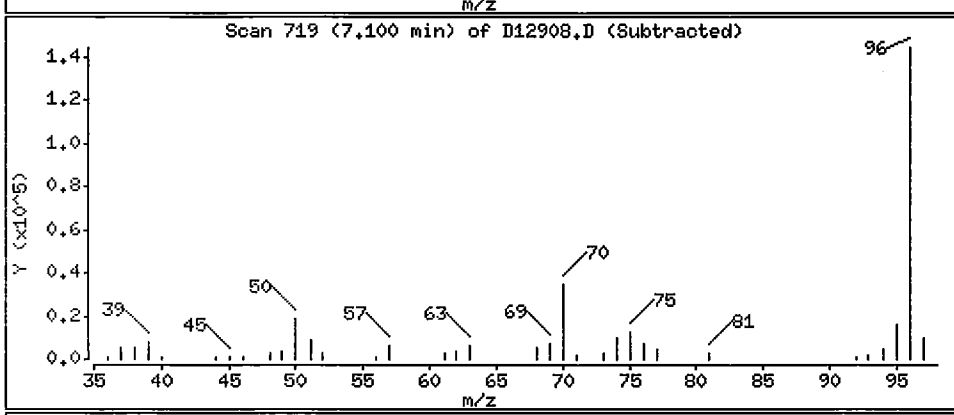
Column phase: J&W DB-624

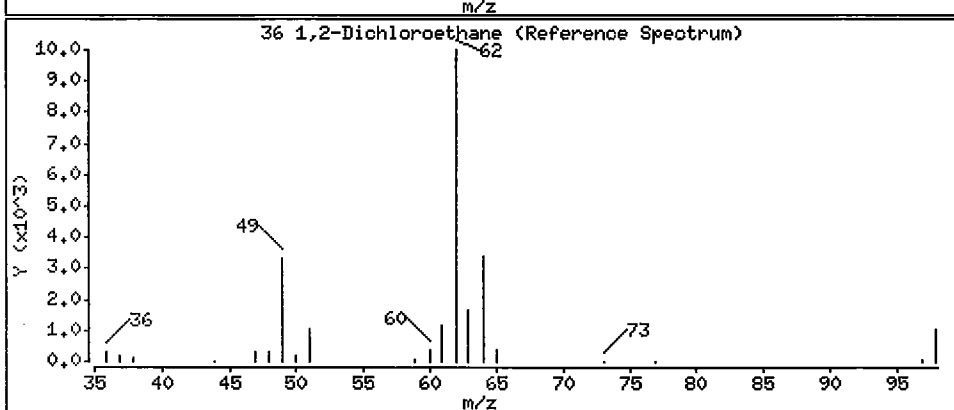
Column diameter: 0.53

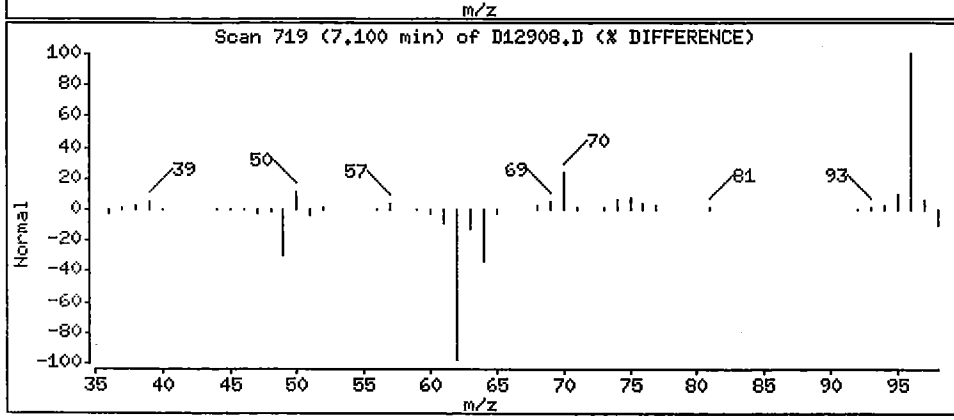
36 1,2-Dichloroethane

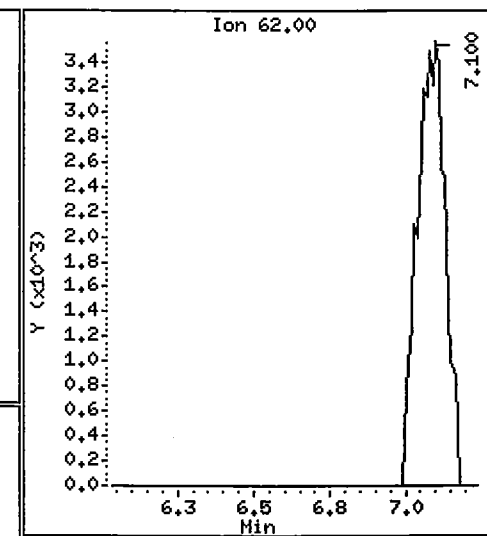
Concentration: 1.68 ug/Kg

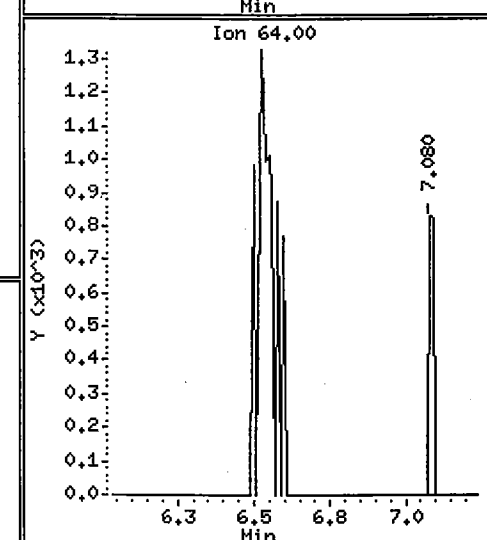


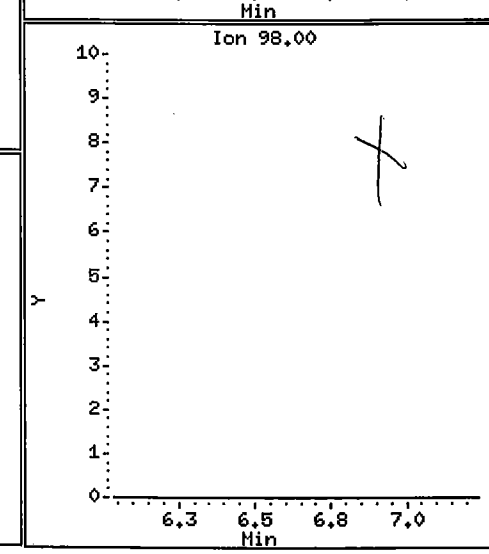












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12908.D

Date : 11-OCT-2000 05:47

Client ID: D12908

Instrument: md.i

Sample Info: DLFJ3101,,2,,0,1,0,8260BDA.M,D12908

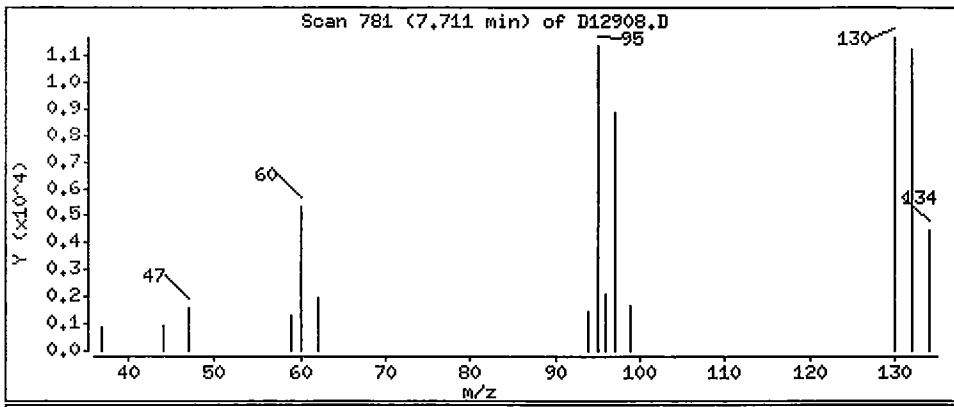
Operator: GFB

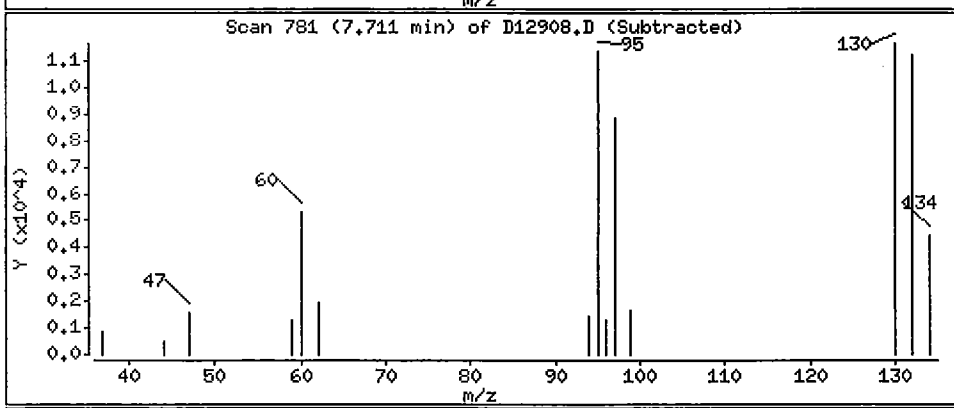
Column phase: J&W DB-624

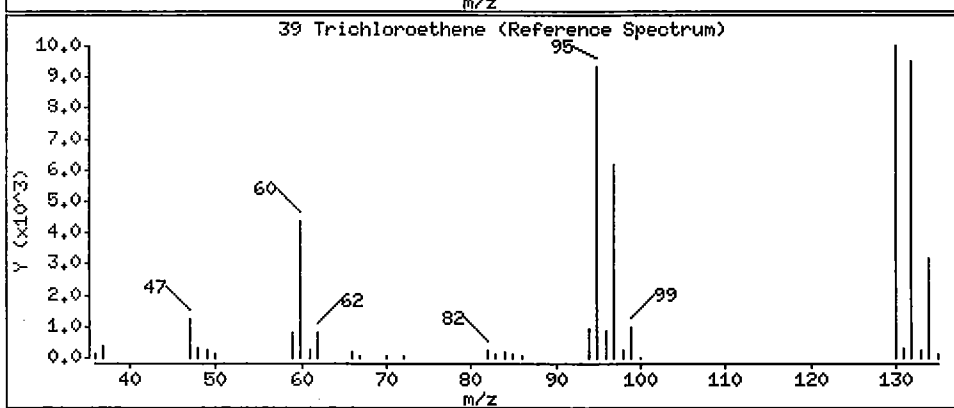
Column diameter: 0.53

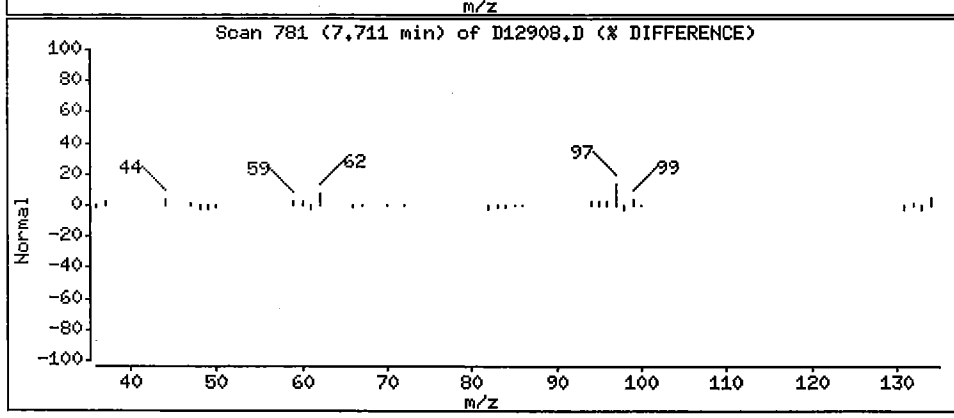
39 Trichloroethene

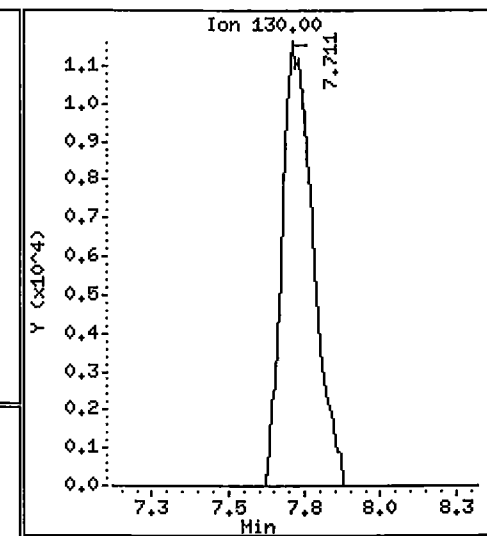
Concentration: 6.85 ug/Kg

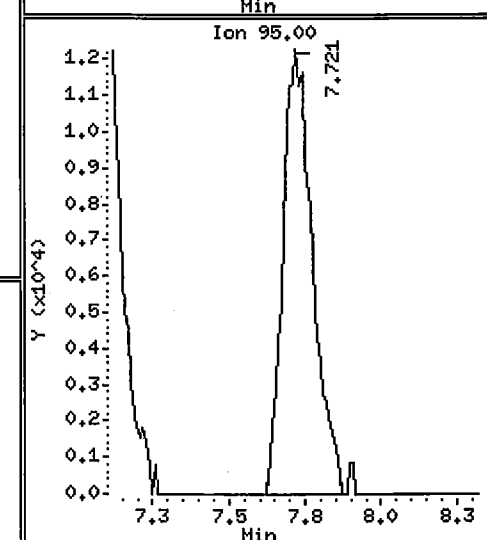


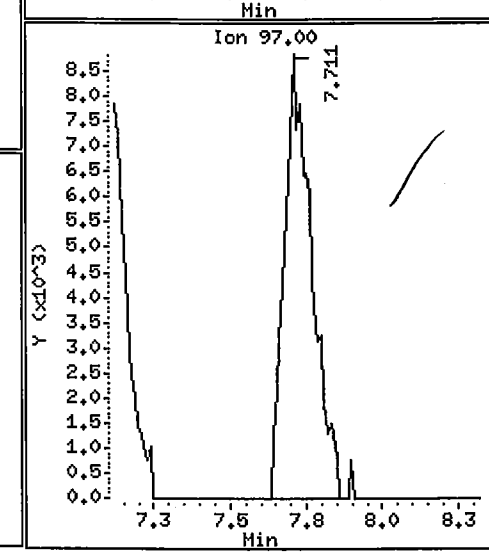












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12908.D

Date : 11-OCT-2000 05:47

Client ID: D12908

Instrument: md.i

Sample Info: DLFJ3101,,2,,0,1,0,8260BDA,M,D12908

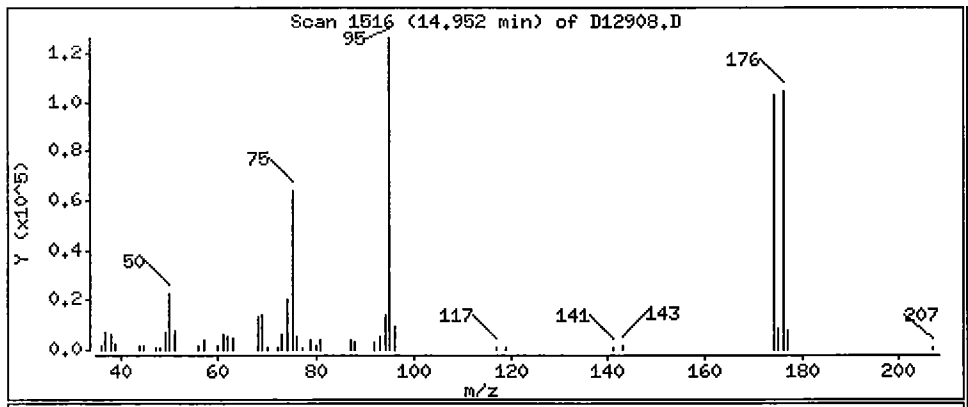
Operator: GFB

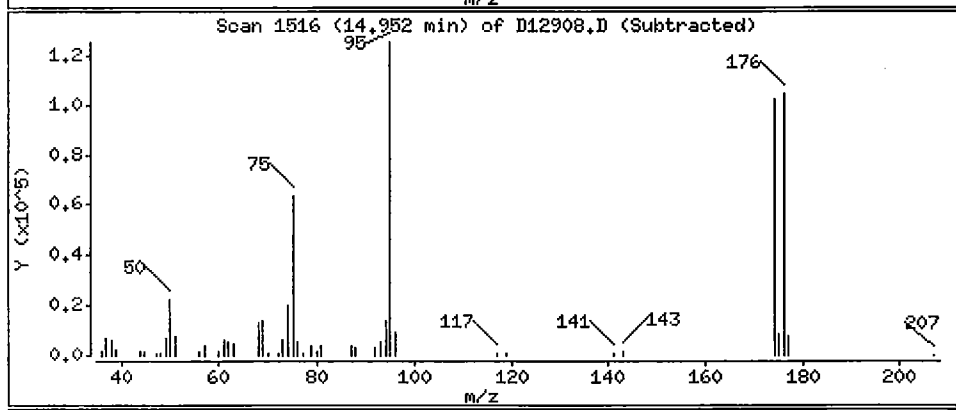
Column phase: J&W DB-624

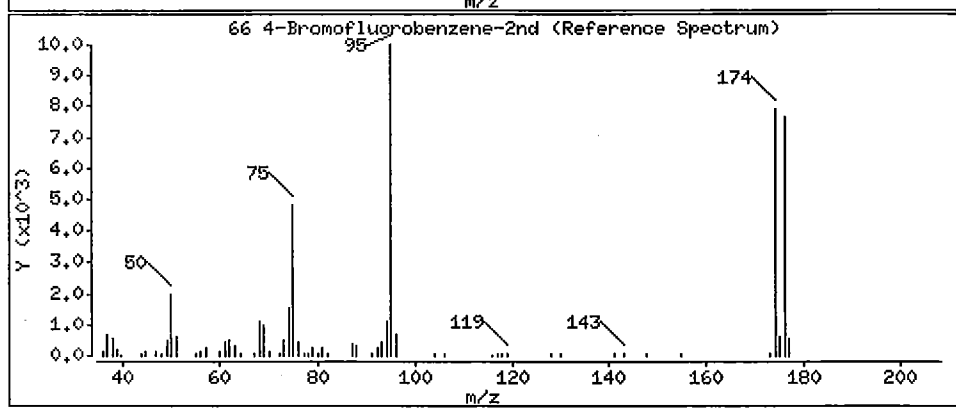
Column diameter: 0.53

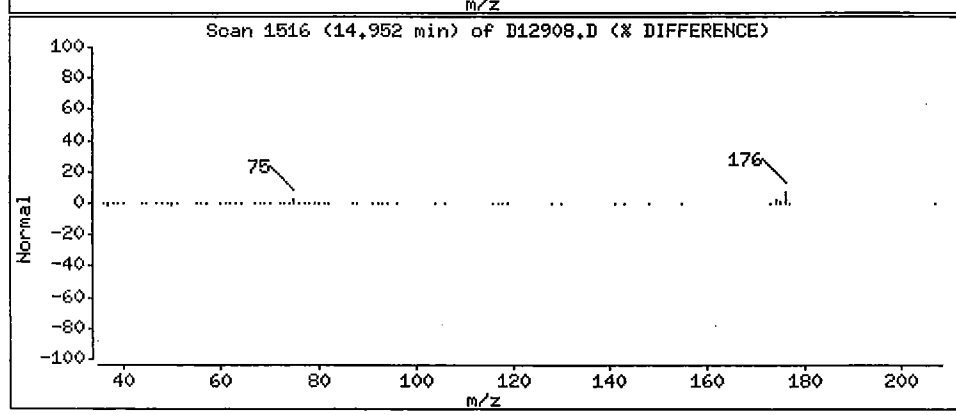
66 4-Bromofluorobenzene-2nd

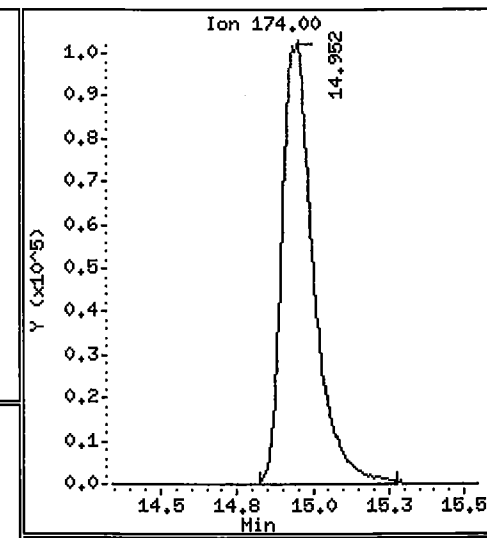
Concentration: 47.20 ug/Kg

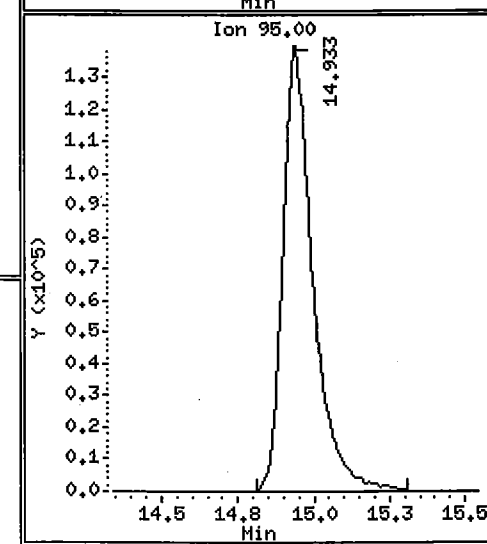


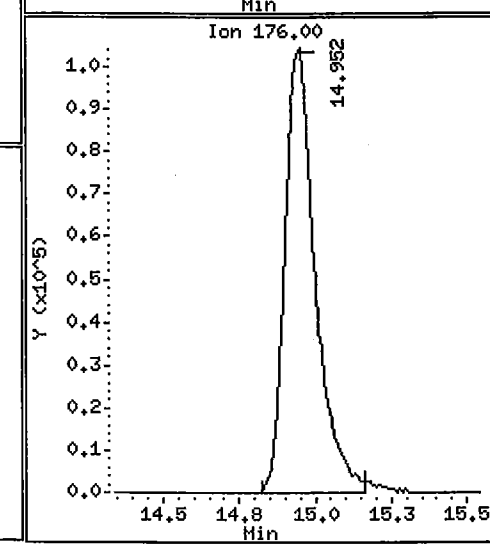












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12908.D

Date : 11-OCT-2000 05:47

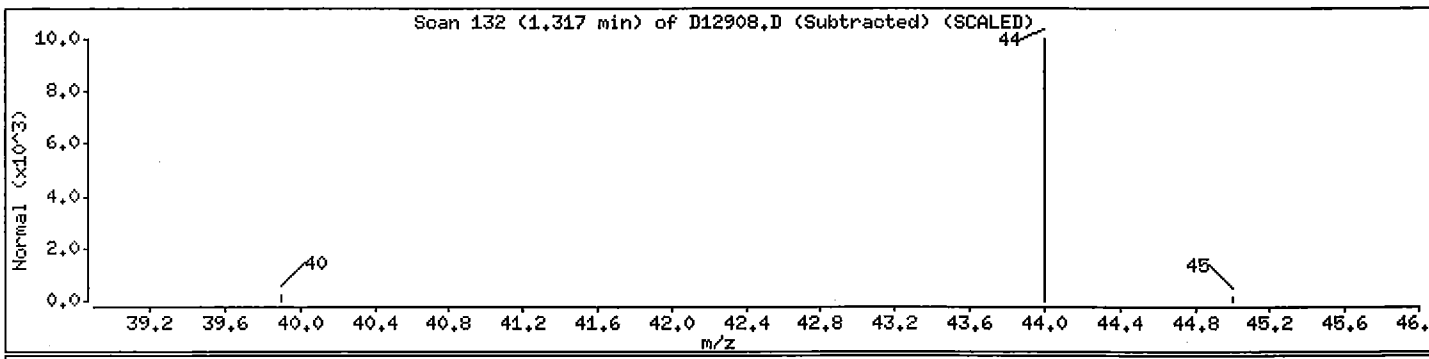
Client ID: D12908 Instrument: md.i

Sample Info: DLFJ3101,,2,,0,1,0,8260BDA.M,D12908

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\1010BD.B\D12909.D
Lab Smp Id: DLFJ4101 Client Smp ID: D12909
Inj Date : 11-OCT-2000 06:19
Operator : GFB Inst ID: md.i
Smp Info : DLFJ4101,,2,,0,1,0,8260BDA.M,D12909
Misc Info : 150-9,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	5.961	5.977	(0.841)	837941	47.6073	47.61
$ 33 1,2-Dichloroethane-d4	65	6.503	6.499	(0.918)	541216	45.5552	45.56
34 1,2-Dichloroethane-d4 2nd	102	6.503	6.518	(0.918)	100943	42.1146	42.11
* 38 Fluorobenzene	96	7.084	7.080	(1.000)	1237431	50.0000	
39 Trichloroethene	130	7.725	7.720	(1.090)	150319	12.9973	13.00
$ 47 Toluene-d8	98	9.912	9.908	(0.787)	1145590	45.9727	45.97
* 56 Chlorobenzene-d5	117	12.602	12.607	(1.000)	1076426	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.946	14.942	(0.866)	682753	48.4368	48.44
$ 67 4-Bromofluorobenzene	95	14.937	14.952	(0.865)	887268	47.1617	47.16
* 79 1,4-Dichlorobenzene-d4	152	17.262	17.257	(1.000)	707904	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\1010BD.B\D12909.D
Lab Smp Id: DLFJ4101 Client Smp ID: D12909
Inj Date : 11-OCT-2000 06:19
Operator : GFB Inst ID: md.i
Smp Info : DLFJ4101,,2,,0,1,0,8260BDA.M,D12909
Misc Info : 150-9,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	7.084	2866087	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.321	465054	8.11303692	8.11	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJ4101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa02193
Client Smp ID: D12909
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	8.11	J

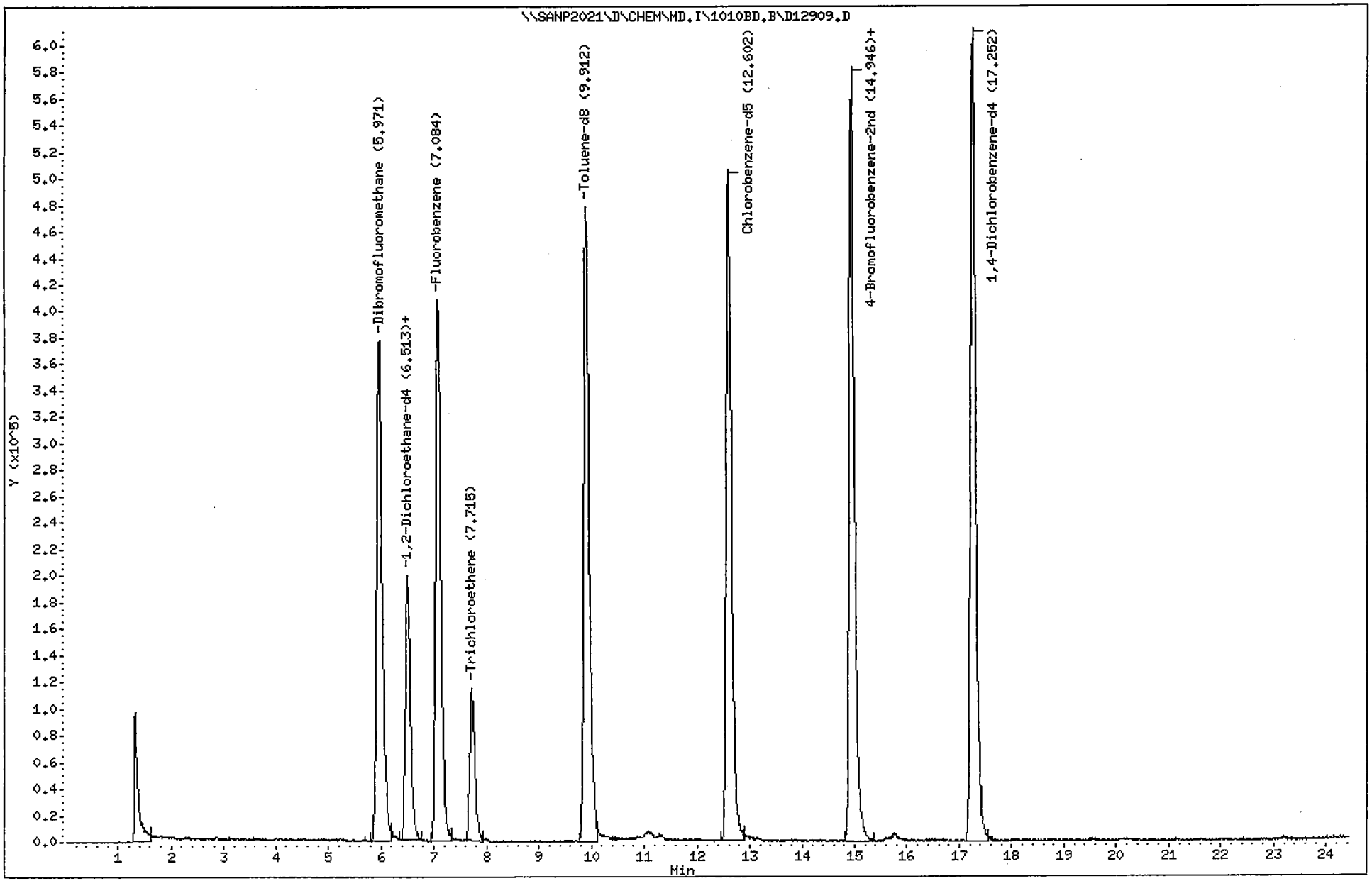
Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12909.D
Date : 11-OCT-2000 06:19
Client ID: D12909
Sample Info: DLFJ4101,,2,,0,1,0,8260BDA.M,D12909

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



BOE-C6-0147570

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12909.D

Date : 11-OCT-2000 06:19

Client ID: D12909

Instrument: md.i

Sample Info: DLFJ4101,,2,,0,1,0,8260BDA.M,D12909

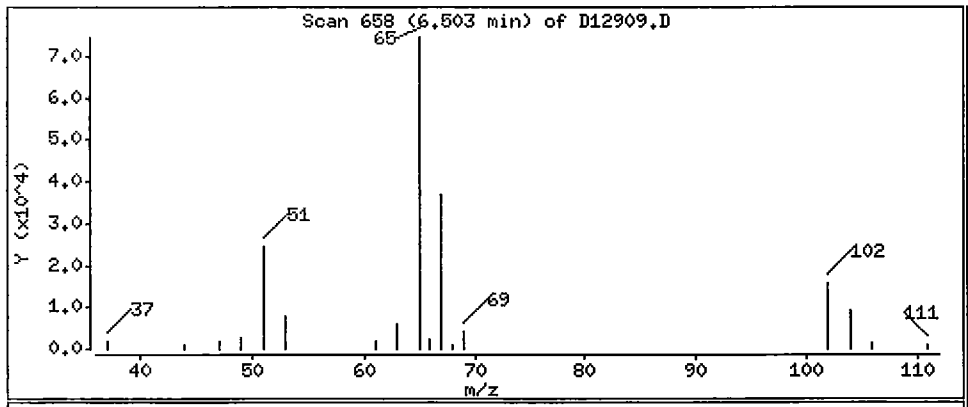
Operator: GFB

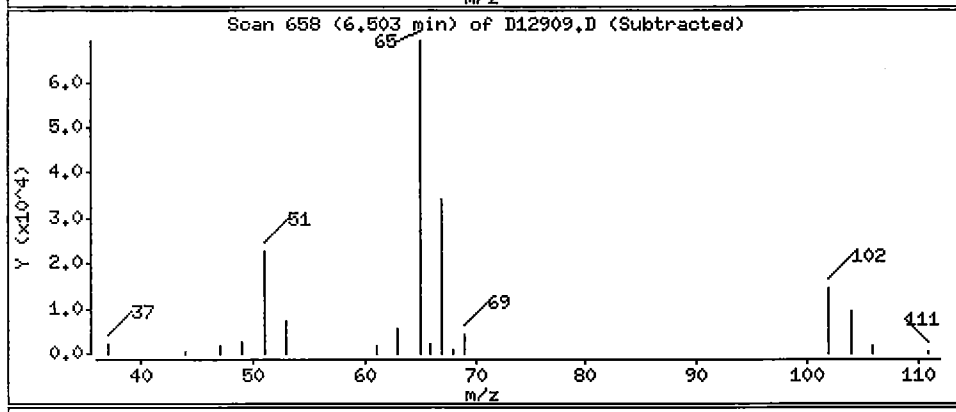
Column phase: J&W DB-624

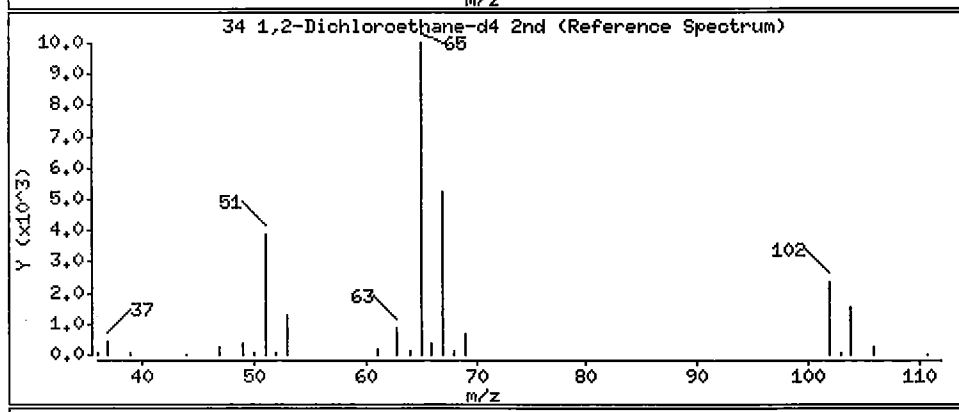
Column diameter: 0.53

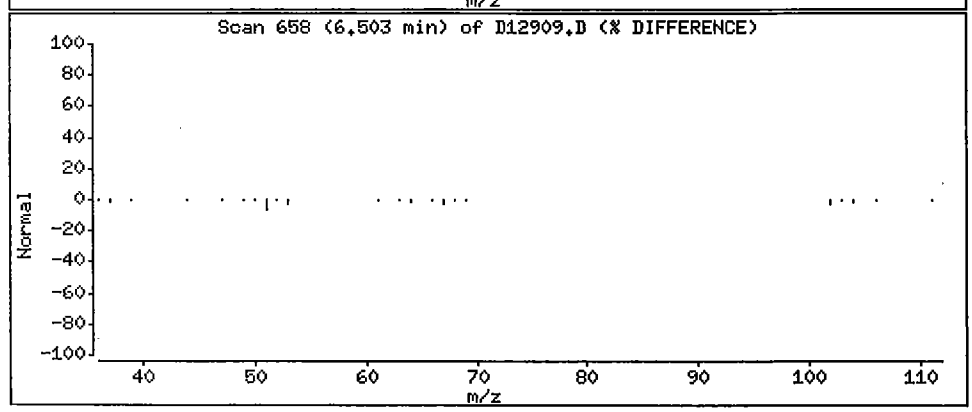
34 1,2-Dichloroethane-d4 2nd

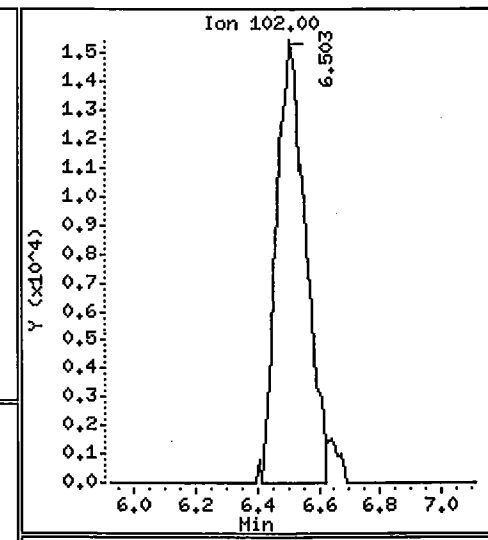
Concentration: 42.11 ug/Kg

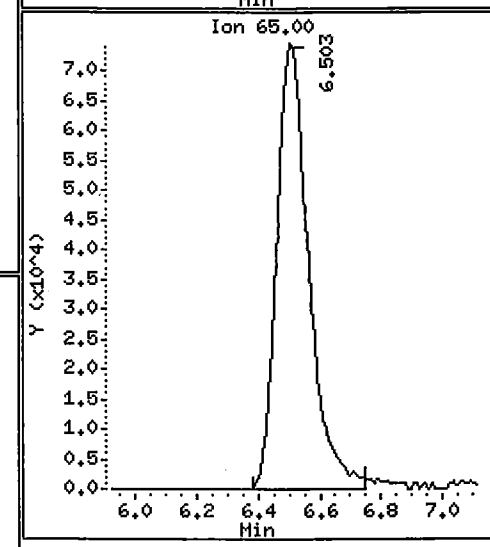












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12909.D

Date : 11-OCT-2000 06:19

Client ID: D12909

Instrument: md.i

Sample Info: DLFJ4101,,2,,0,1,0,8260BDA.M,D12909

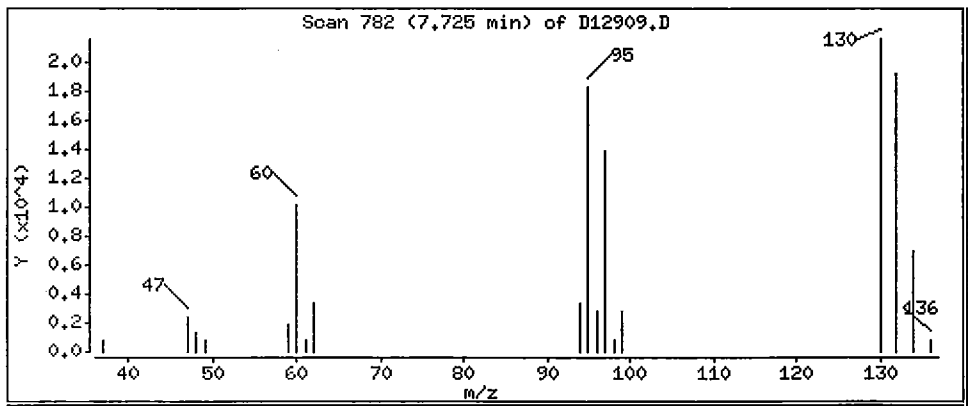
Operator: GFB

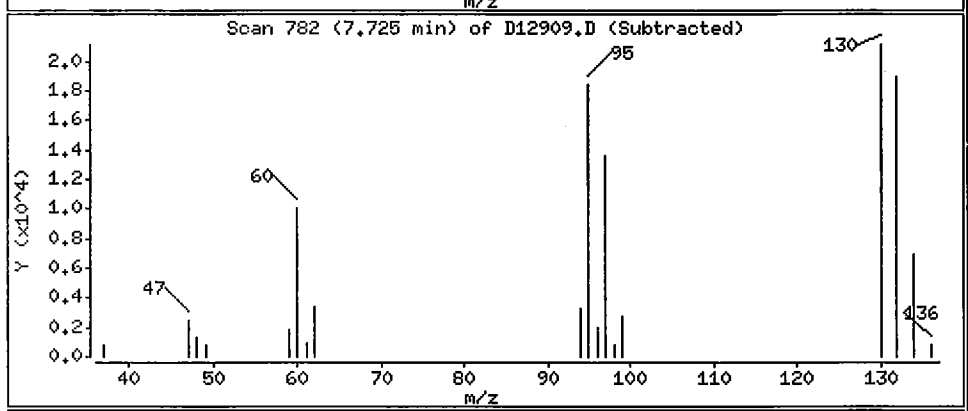
Column phase: J&W DB-624

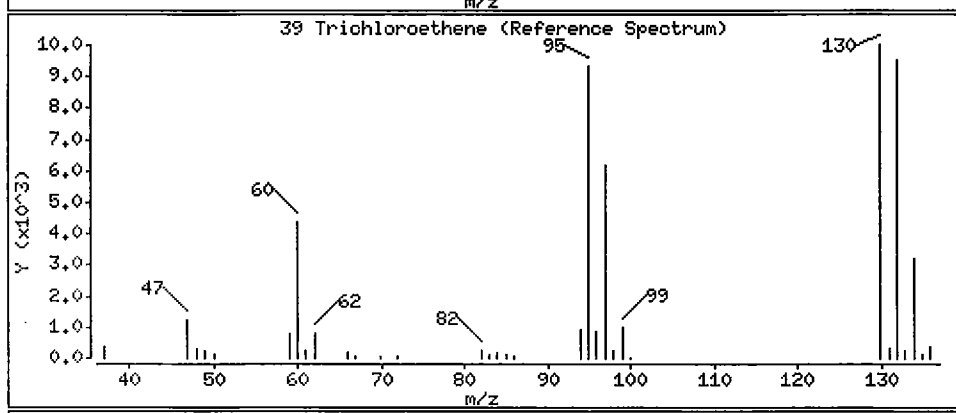
Column diameter: 0.53

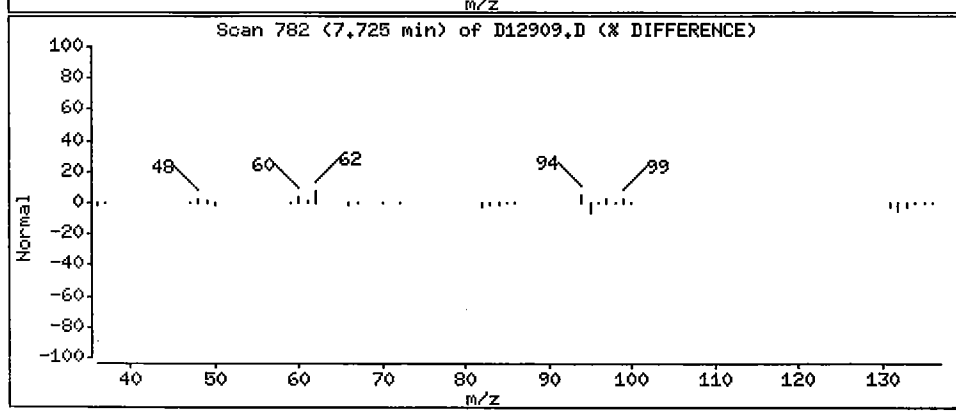
39 Trichloroethene

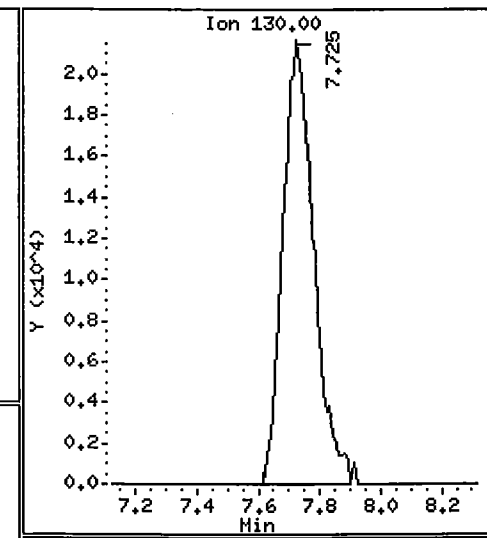
Concentration: 13.00 ug/Kg

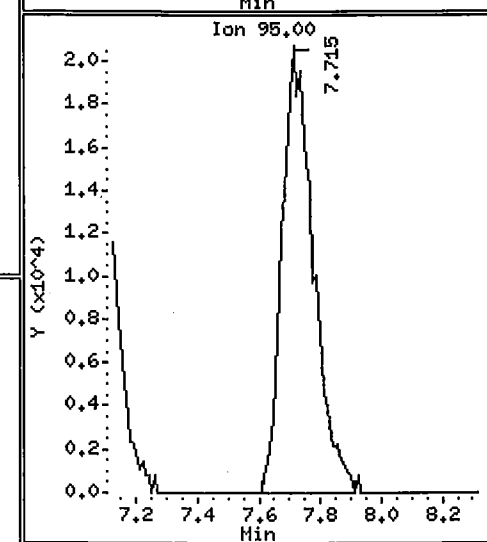


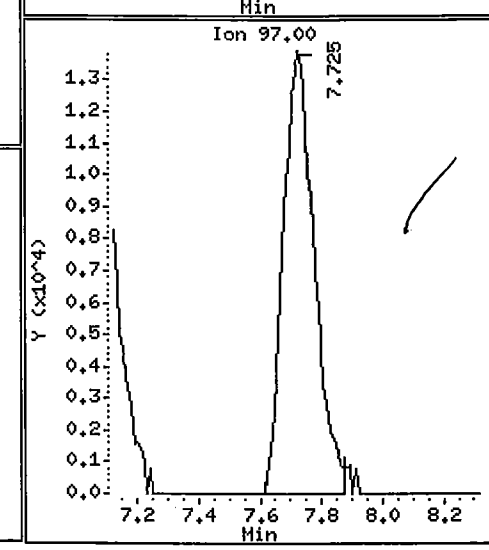












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12909.D

Date : 11-OCT-2000 06:19

Client ID: D12909

Instrument: md.i

Sample Info: DLFJ4101,,2,,0,1,0,8260BDA.M,D12909

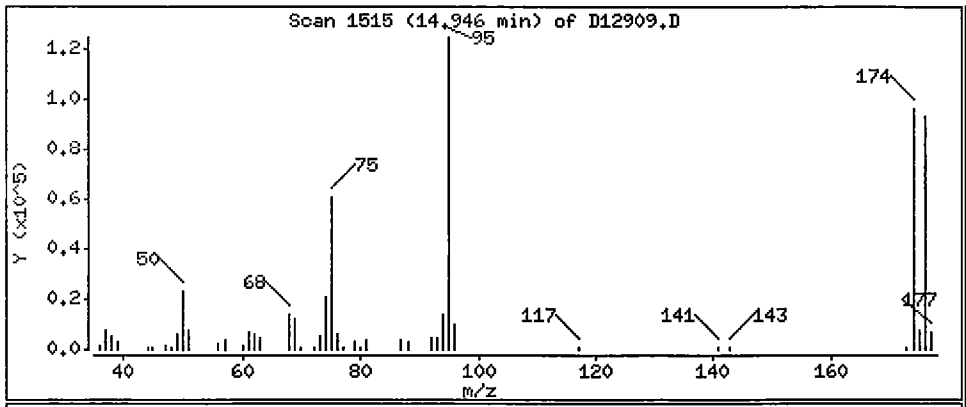
Operator: GFB

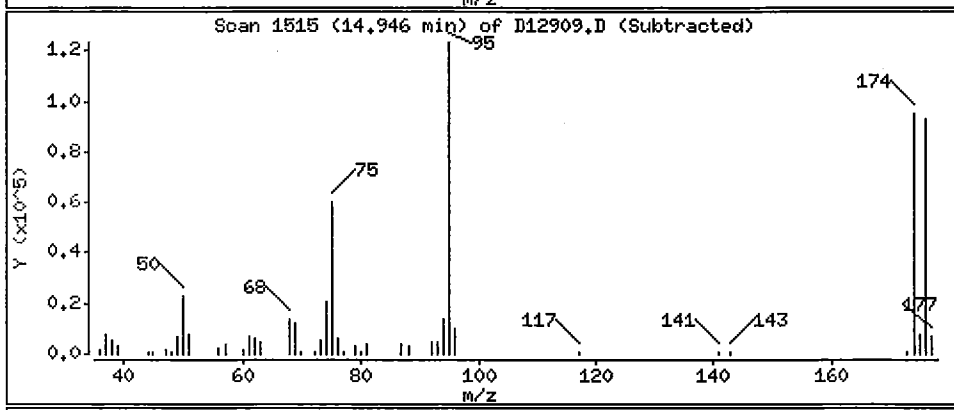
Column phase: J&W DB-624

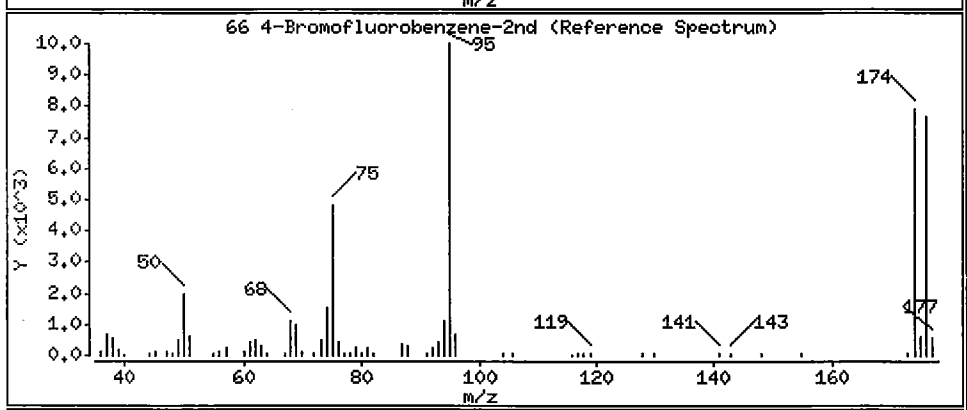
Column diameter: 0.53

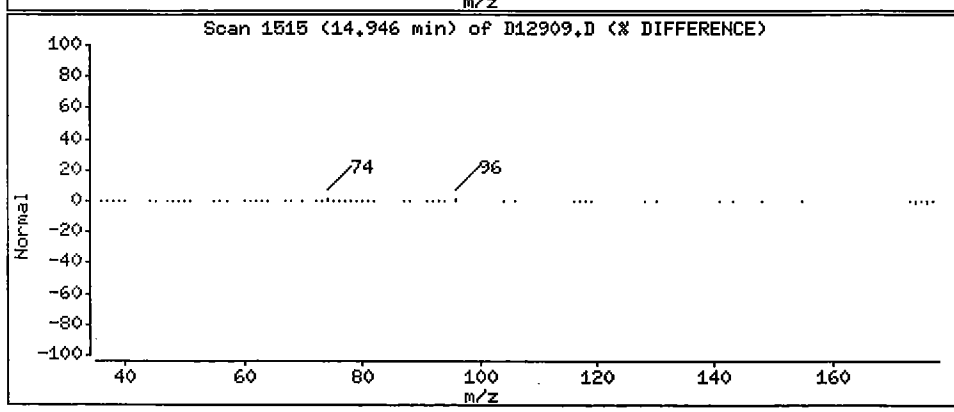
66 4-Bromofluorobenzene-2nd

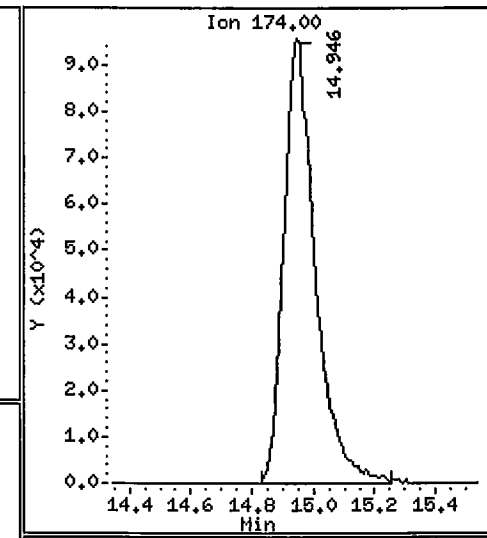
Concentration: 48.44 ug/Kg

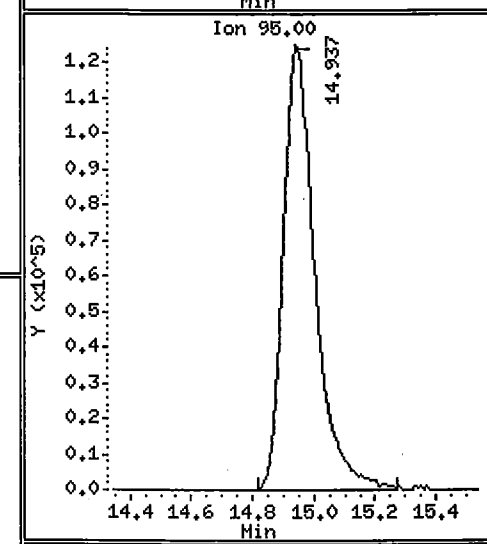


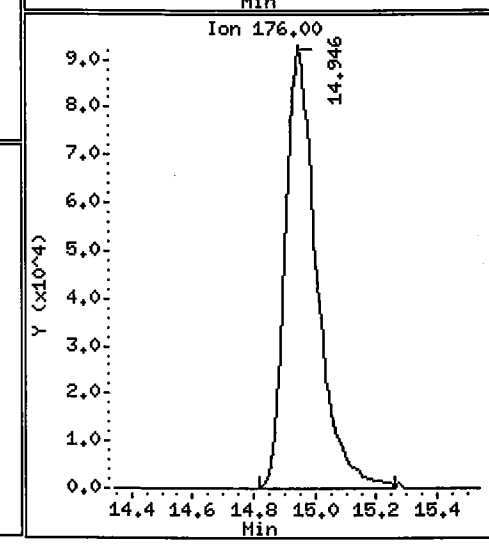












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12909.D

Date : 11-OCT-2000 06:19

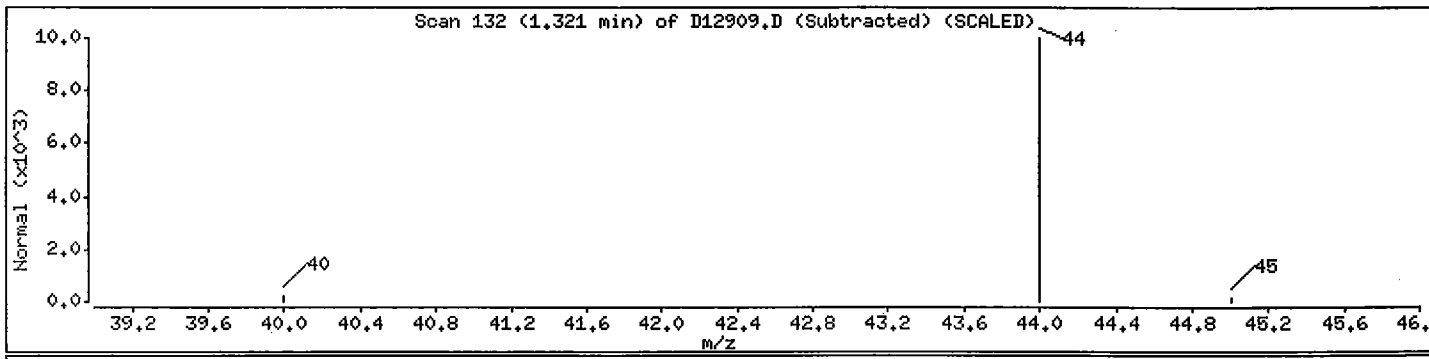
Client ID: D12909 Instrument: md.i

Sample Info: DLFJ4101,,2,,0,1,0,8260BDA.M,D12909

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\1010BD.B\D12910.D
Lab Smp Id: DLFJ6101 Client Smp ID: D12910
Inj Date : 11-OCT-2000 06:51
Operator : GFB Inst ID: md.i
Smp Info : DLFJ6101,,2,,0,1,0,8260BDA.M,D12910
Misc Info : 150-10,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	5.963	5.977	(0.843)	841890	48.6296	48.63	
$ 33 1,2-Dichloroethane-d4	65	6.505	6.499	(0.919)	523360	44.7871	44.79	
34 1,2-Dichloroethane-d4 2nd	102	6.505	6.518	(0.919)	102940	43.6642	43.66	
* 38 Fluorobenzene	96	7.077	7.080	(1.000)	1217127	50.0000		
$ 47 Toluene-d8	98	9.904	9.908	(0.786)	1122490	45.2827	45.28	
* 56 Chlorobenzene-d5	117	12.594	12.607	(1.000)	1070790	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.939	14.942	(0.866)	708752	45.7839	45.78	
$ 67 4-Bromofluorobenzene	95	14.939	14.952	(0.866)	928425	44.9353	44.94	
* 79 1,4-Dichlorobenzene-d4	152	17.254	17.257	(1.000)	777442	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\1010BD.B\D12910.D
Lab Smp Id: DLFJ6101 Client Smp ID: D12910
Inj Date : 11-OCT-2000 06:51
Operator : GFB Inst ID: md.i
Smp Info : DLFJ6101,,2,,0,1,0,8260BDA.M,D12910
Misc Info : 150-10,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	7.077	2833863	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.323	467227	8.24363868	8.24	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJ6101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa02193
Client Smp ID: D12910
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	8.24	J

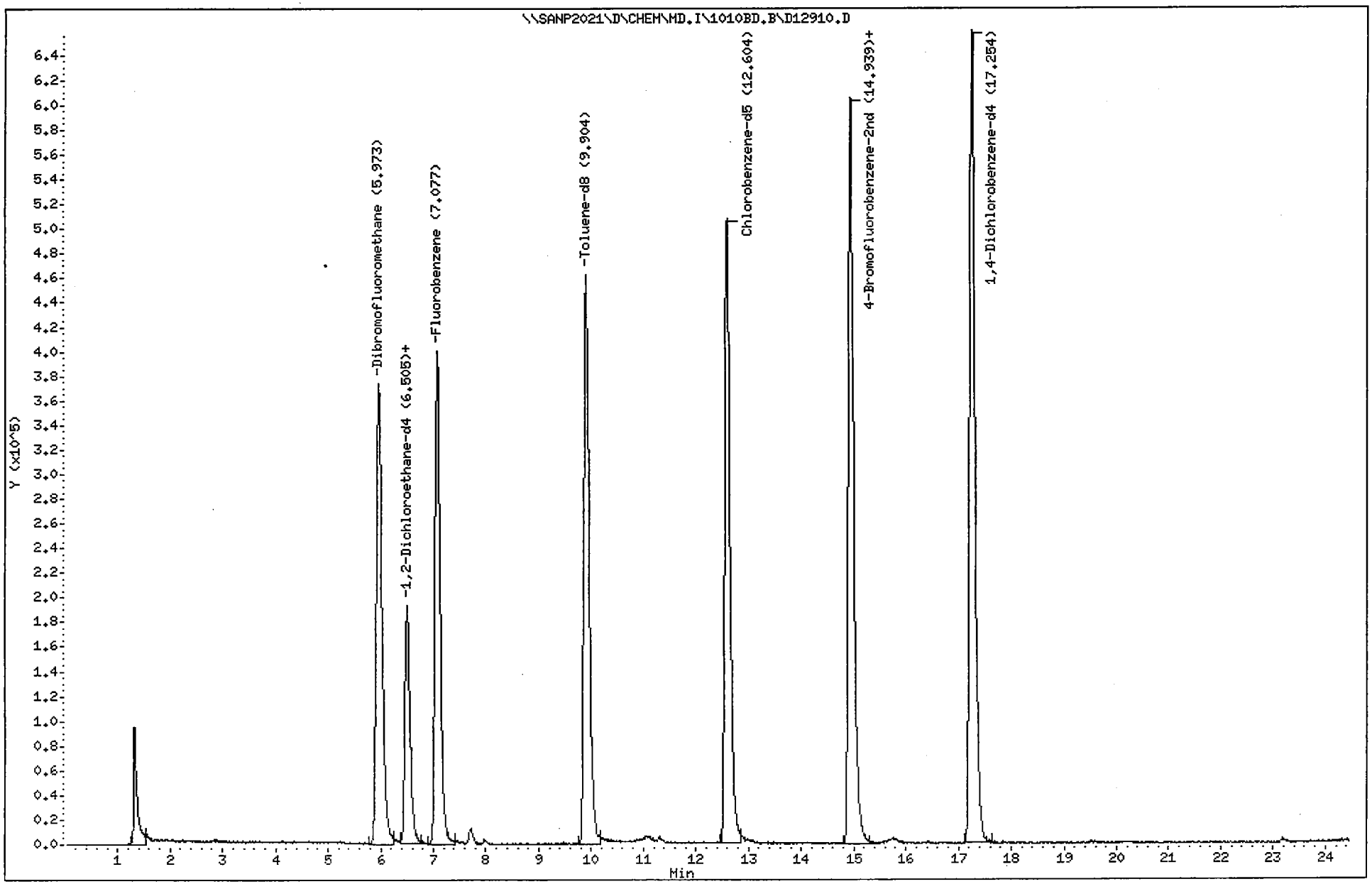
Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12910.D
Date : 11-OCT-2000 06:51
Client ID: D12910
Sample Info: DLFJ6101,,2,,0,1,0,8260BDA.M,D12910

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000503

BOE-C6-0147578

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12910.D

Date : 11-OCT-2000 06:51

Client ID: D12910

Instrument: md.i

Sample Info: DLFJ6101,,2,,0,1,0,8260BDA.M,D12910

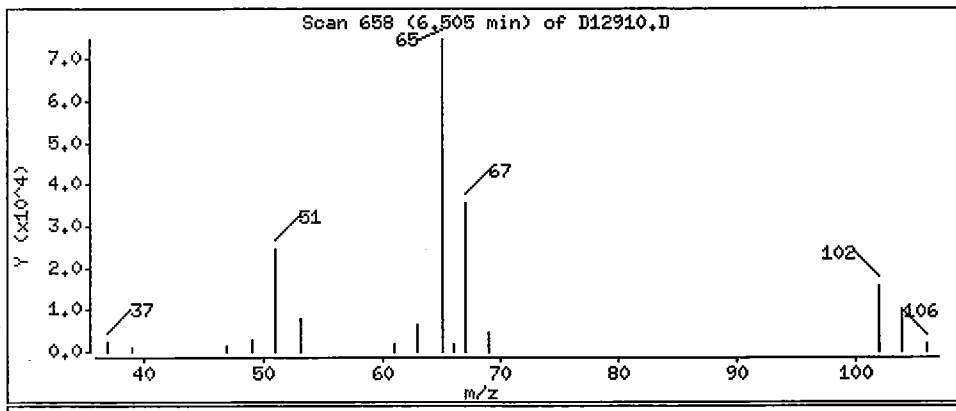
Operator: GFB

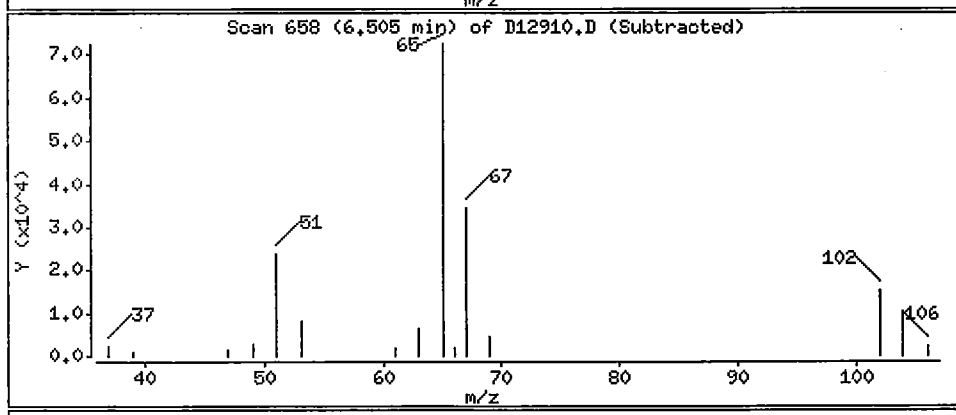
Column phase: J&W DB-624

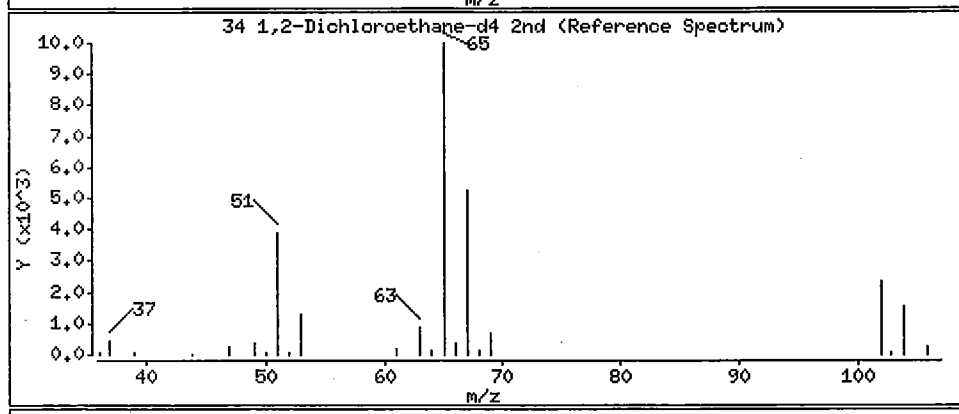
Column diameter: 0.53

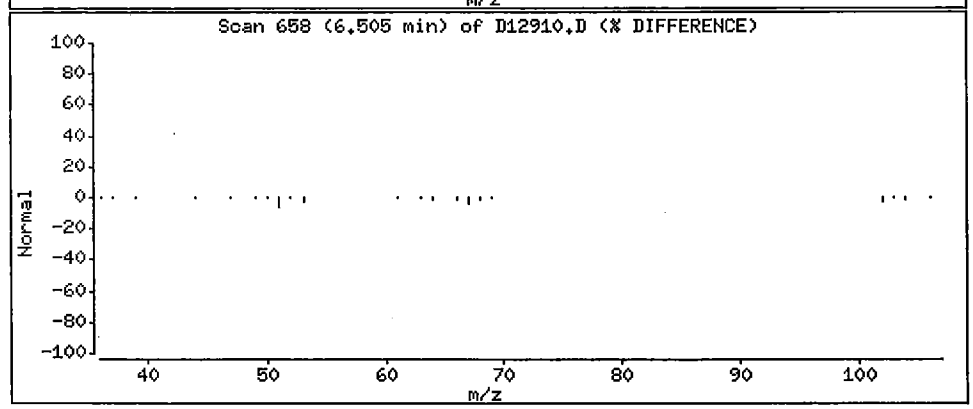
34 1,2-Dichloroethane-d4 2nd

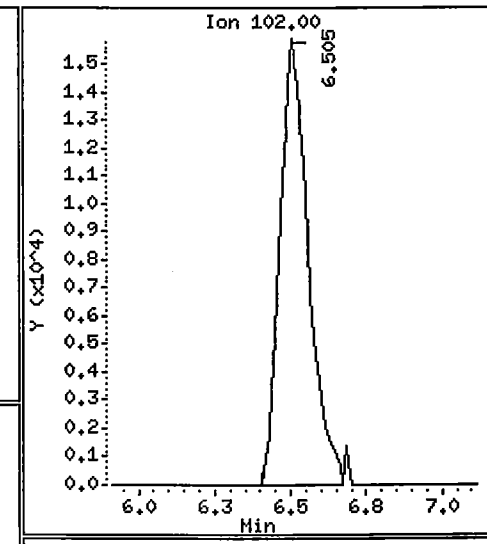
Concentration: 43.66 ug/Kg

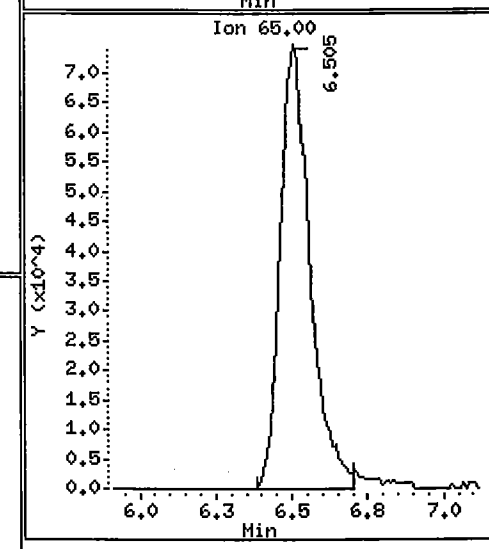












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12910.D

Date : 11-OCT-2000 06:51

Client ID: D12910

Instrument: md.i

Sample Info: DLFJ6101,,2,,0,1,0,8260BDA.M,D12910

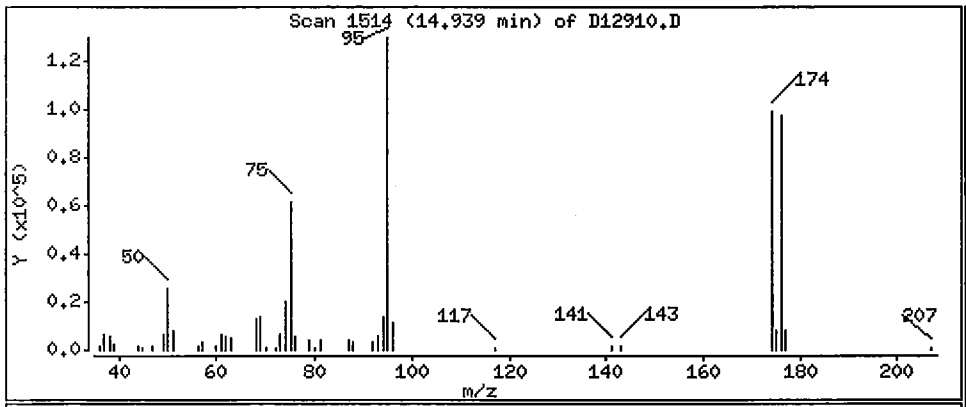
Operator: GFB

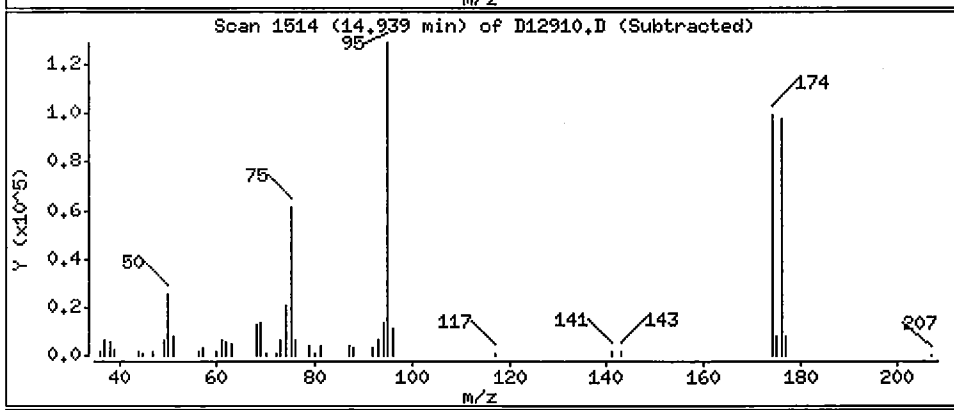
Column phase: J&W DB-624

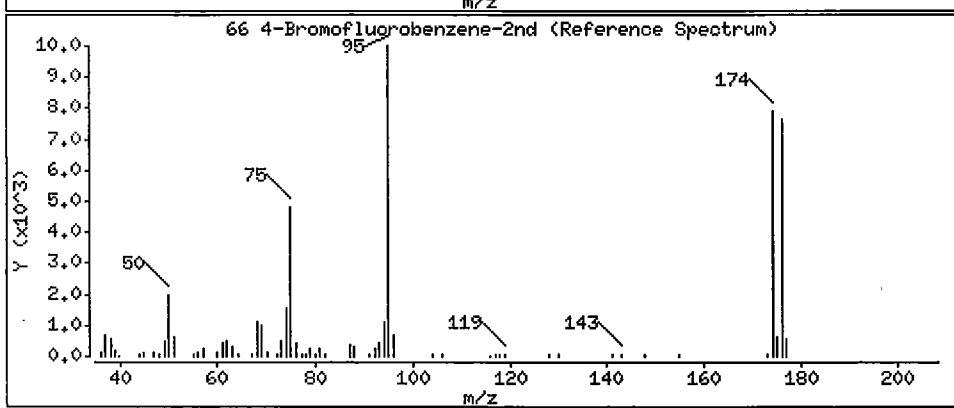
Column diameter: 0.53

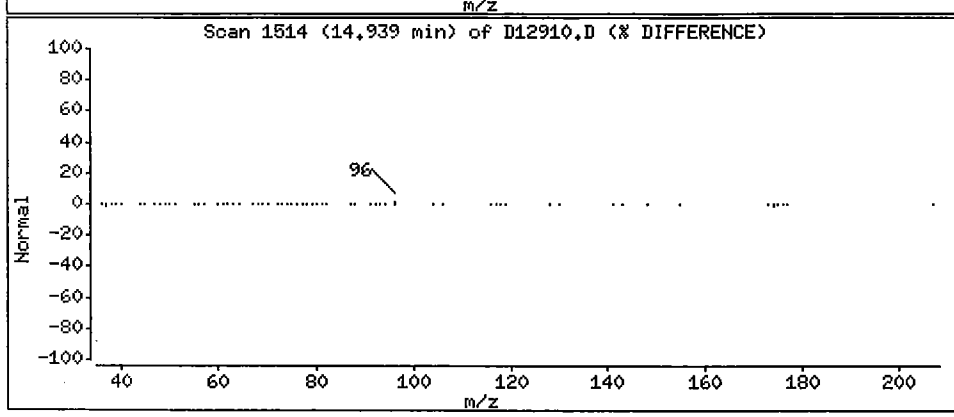
66 4-Bromofluorobenzene-2nd

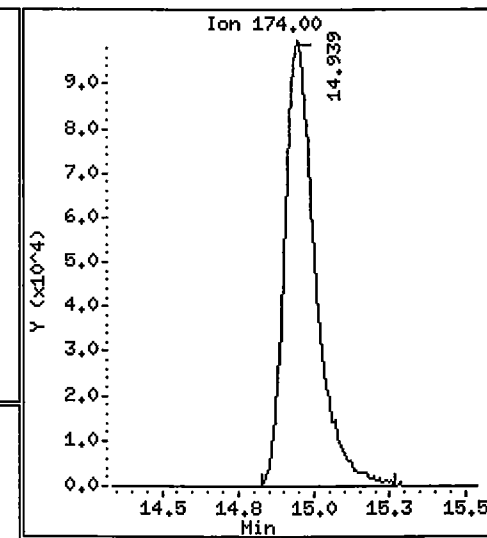
Concentration: 45.78 ug/Kg

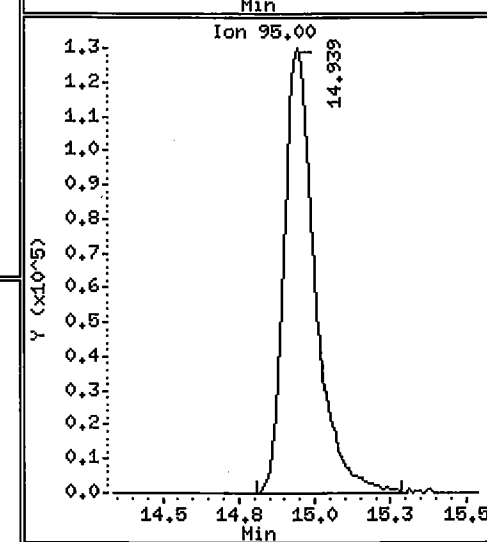


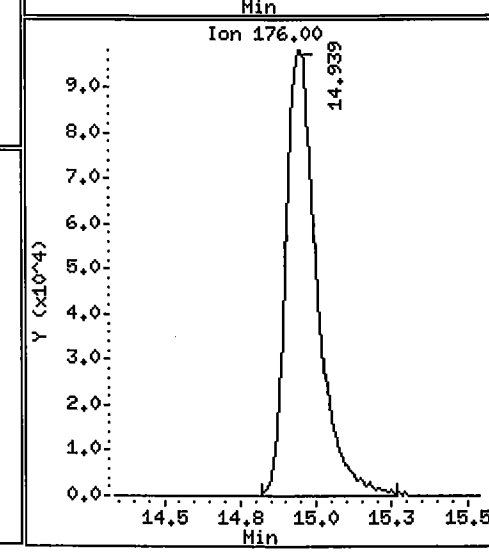












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12910.D

Date : 11-OCT-2000 06:51

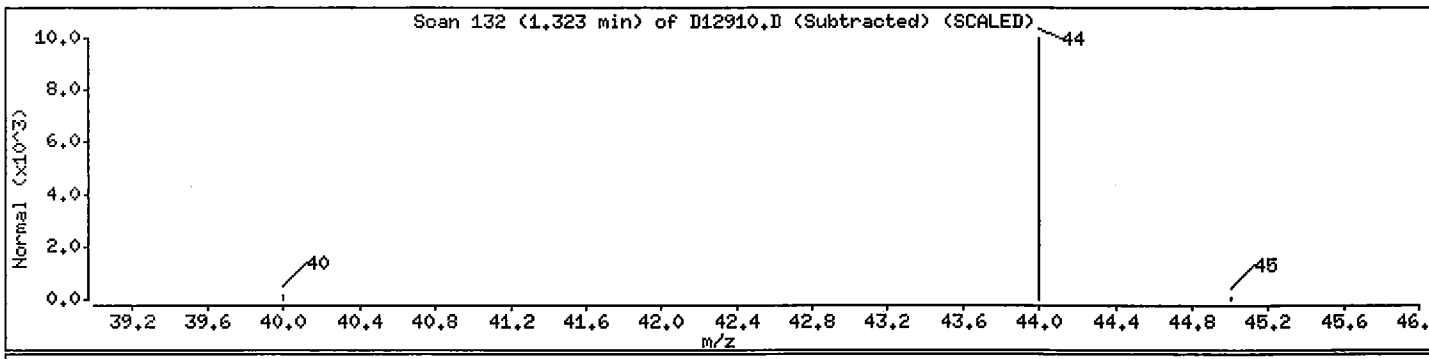
Client ID: D12910 Instrument: md.i

Sample Info: DLFJ6101,,2,,0,1,0,8260BDA.M,D12910

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\1010BD.B\D12911.D
Lab Smp Id: DLFJ8101 Client Smp ID: D12911
Inj Date : 11-OCT-2000 07:22
Operator : GFB Inst ID: md.i
Smp Info : DLFJ8101,,2,,0,1,0,8260BDA.M,D12911
Misc Info : 150-11,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	5.971	5.977	(0.843)	831853	49.2755	49.28	
$ 33 1,2-Dichloroethane-d4	65	6.503	6.499	(0.918)	508017	44.5831	44.58	
34 1,2-Dichloroethane-d4 2nd	102	6.513	6.518	(0.919)	103448	44.9991	45.00	
* 38 Fluorobenzene	96	7.084	7.080	(1.000)	1186851	50.0000		
39 Trichloroethene	130	7.725	7.720	(1.090)	321974	29.0260	29.02	
$ 47 Toluene-d8	98	9.902	9.908	(0.786)	1091457	46.4650	46.46	
* 56 Chlorobenzene-d5	117	12.601	12.607	(1.000)	1014695	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.946	14.942	(0.866)	651461	49.2309	49.23	
$ 67 4-Bromofluorobenzene	95	14.936	14.952	(0.865)	835477	47.3050	47.30	
* 79 1,4-Dichlorobenzene-d4	152	17.262	17.257	(1.000)	664564	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\1010BD.B\D12911.D
Lab Smp Id: DLFJ8101 Client Smp ID: D12911
Inj Date : 11-OCT-2000 07:22
Operator : GFB Inst ID: md.i
Smp Info : DLFJ8101,,2,,0,1,0,8260BDA.M,D12911
Misc Info : 150-11,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1010BD.B\8260BDA.m
Meth Date : 10-Oct-2000 22:57 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	7.084	2790065	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.321	479475	8.59254793	8.59	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJ8101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa02193
Client Smp ID: D12911
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 (D2)	1.321	8.59	J

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12911.D

Date : 11-OCT-2000 07:22

Client ID: D12911

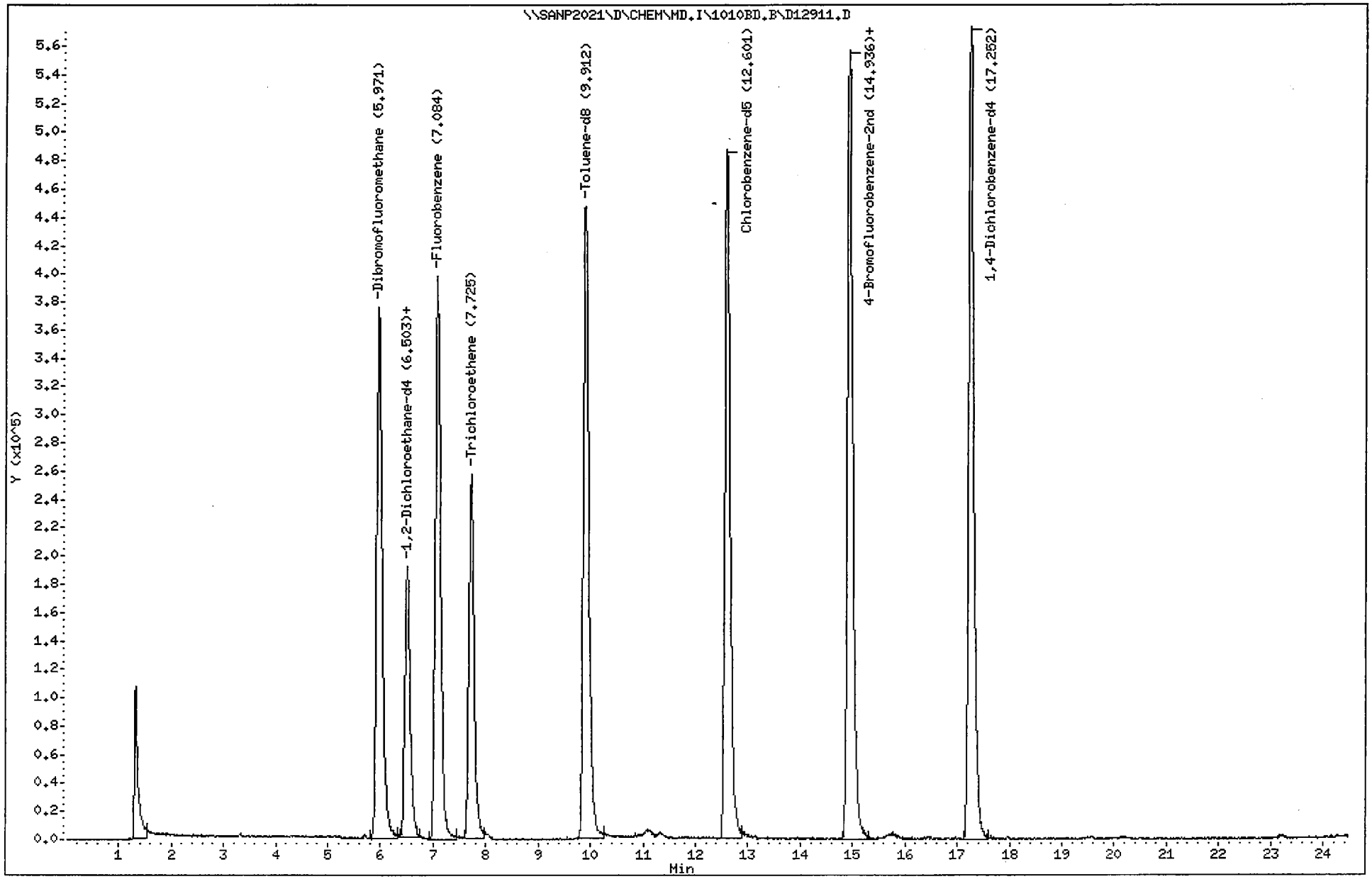
Sample Info: DLFJ8101,,2,,0,1,0,8260BDA.M,D12911

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000511

BOE-C6-0147586

Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12911.D

Date : 11-OCT-2000 07:22

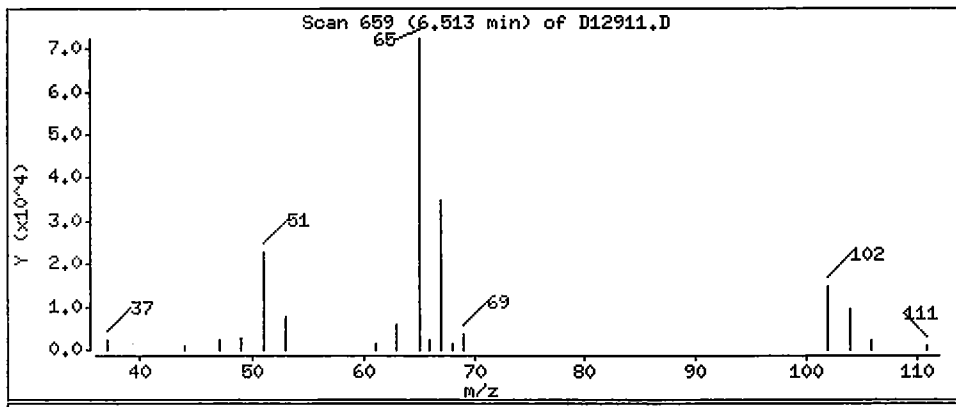
Client ID: D12911 Instrument: md.i

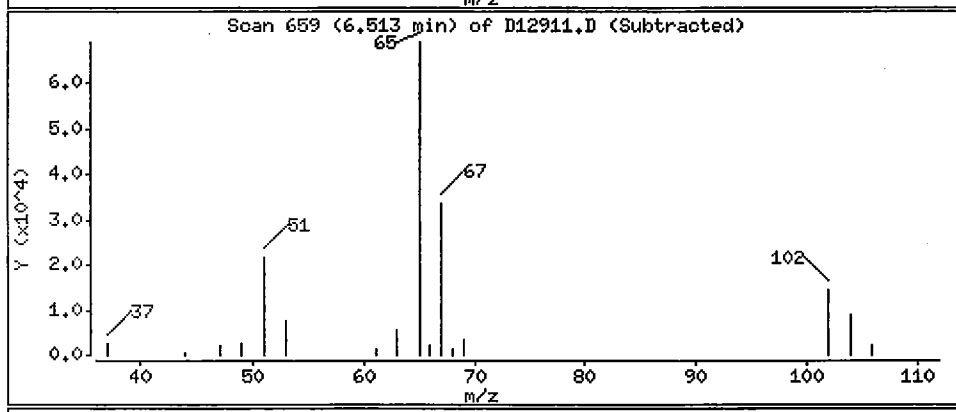
Sample Info: DLFJ8101,,2,,0,1,0,8260BDA.M,D12911

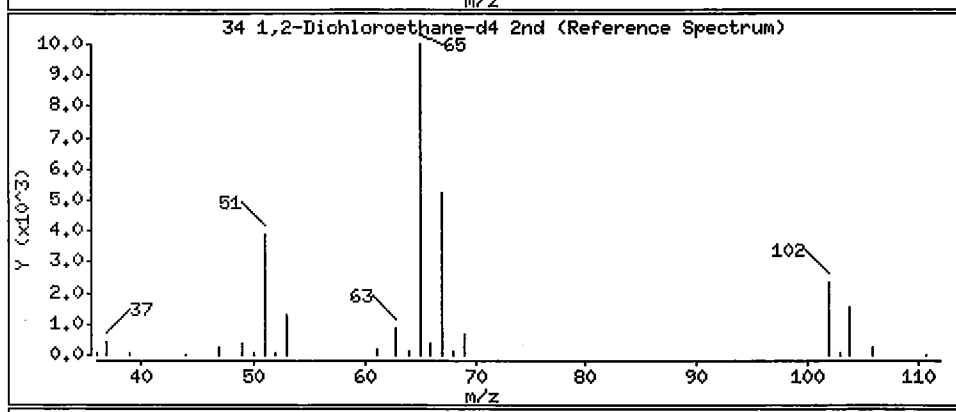
Operator: GFB

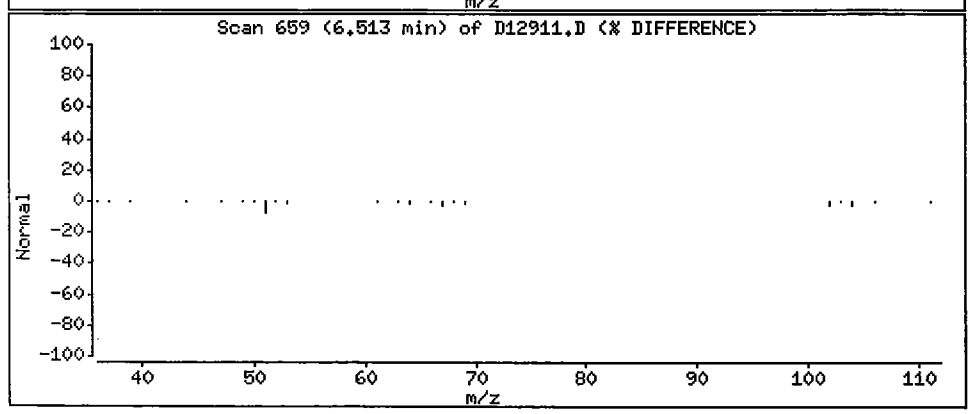
Column phase: J&W DB-624 Column diameter: 0.53

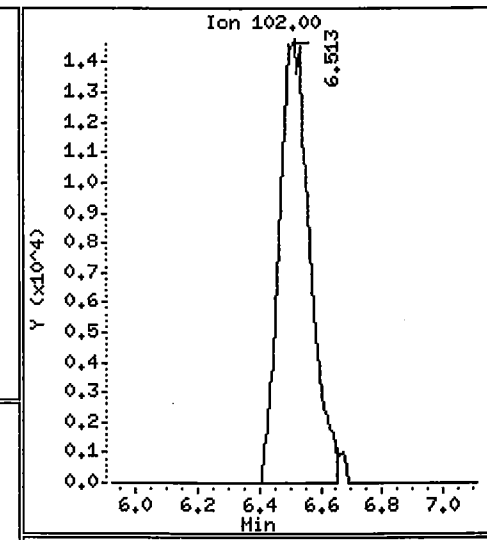
34 1,2-Dichloroethane-d4 2nd Concentration: 45.00 ug/Kg

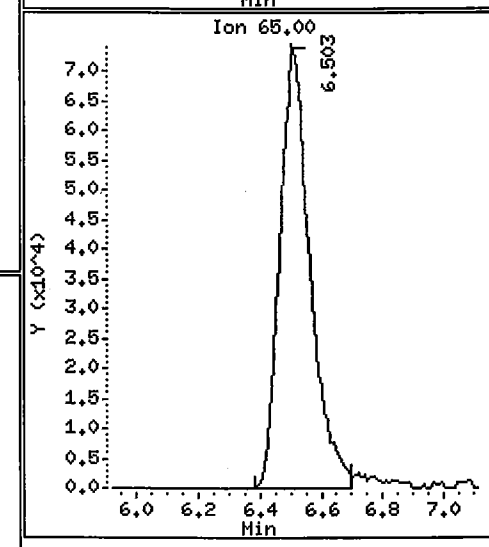












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12911.D

Date : 11-OCT-2000 07:22

Client ID: D12911

Instrument: md.i

Sample Info: DLFJ8101,,2,,0,1,0,8260BDA.M,D12911

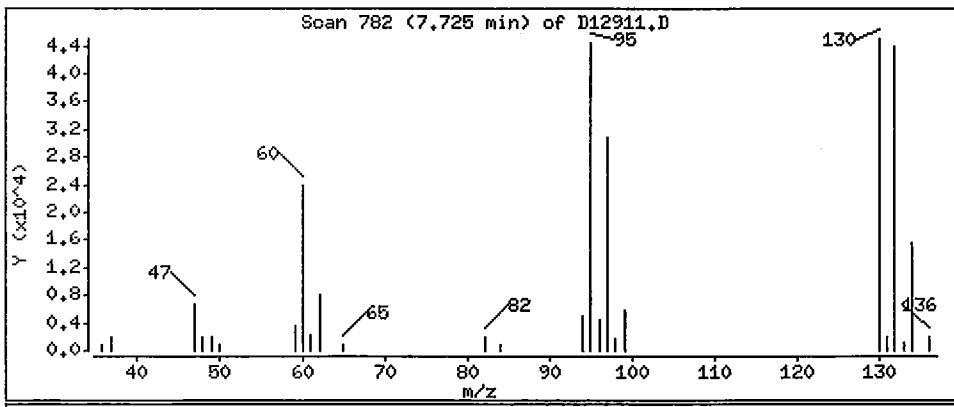
Operator: GFB

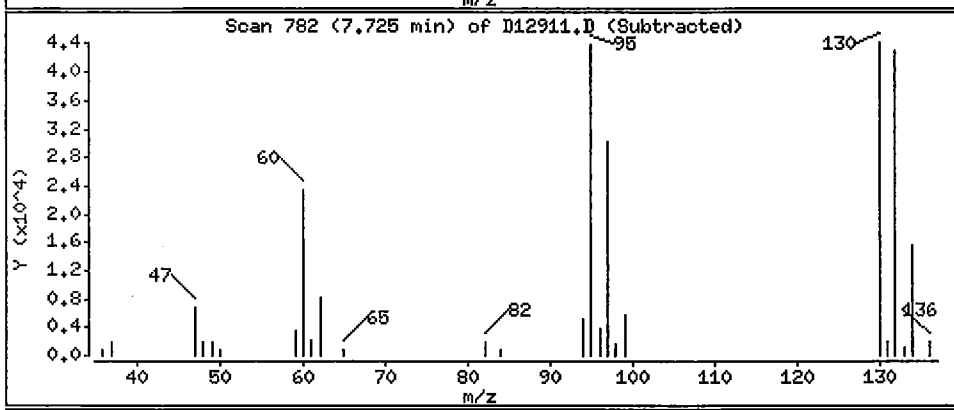
Column phase: J&W DB-624

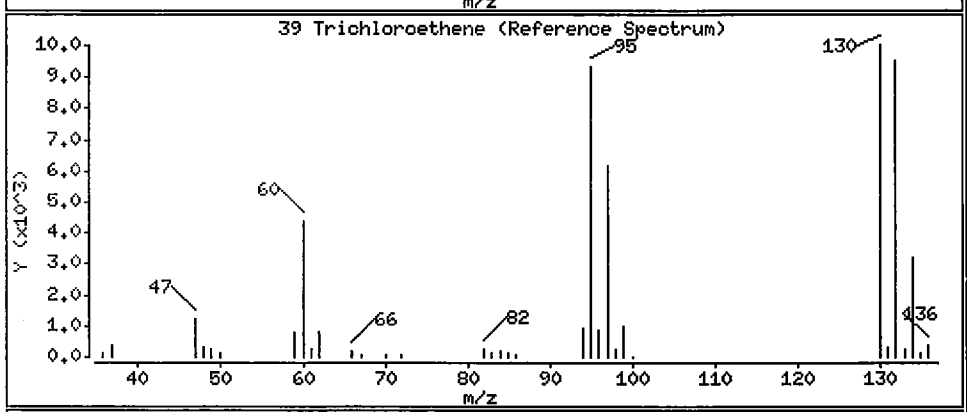
Column diameter: 0.53

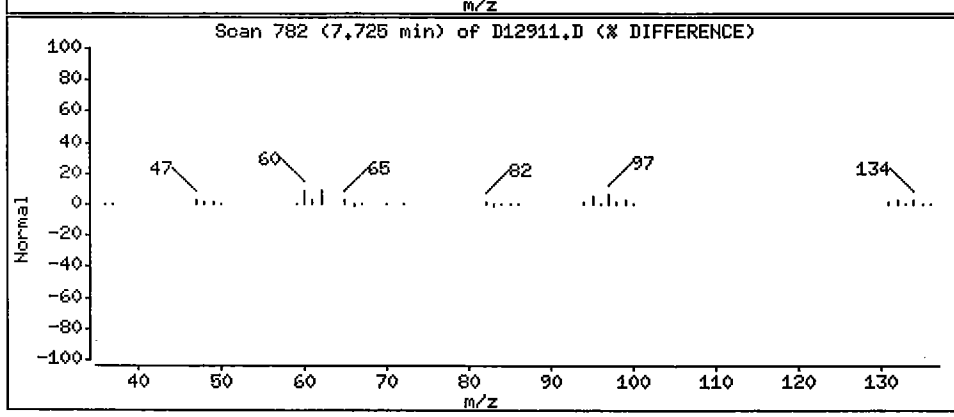
39 Trichloroethene

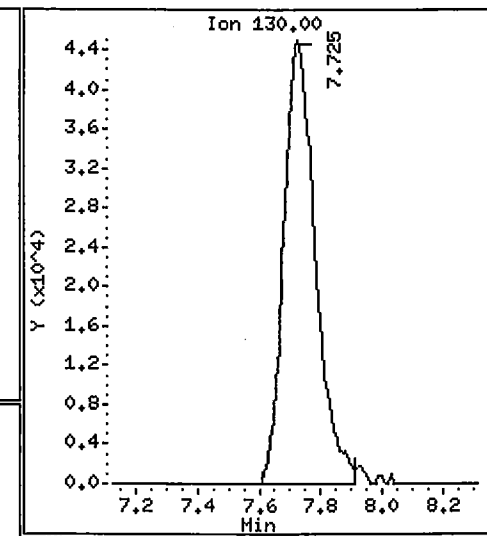
Concentration: 29.02 ug/Kg

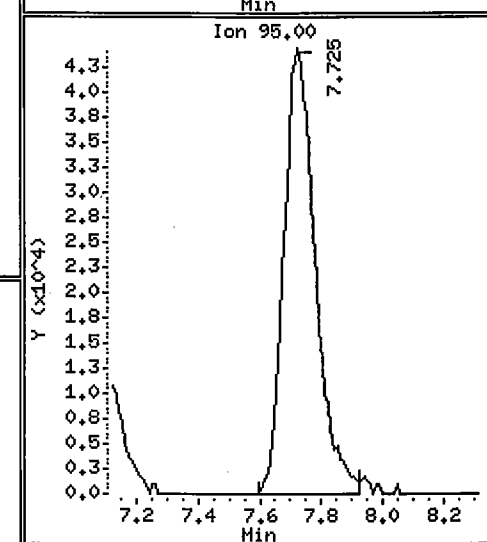


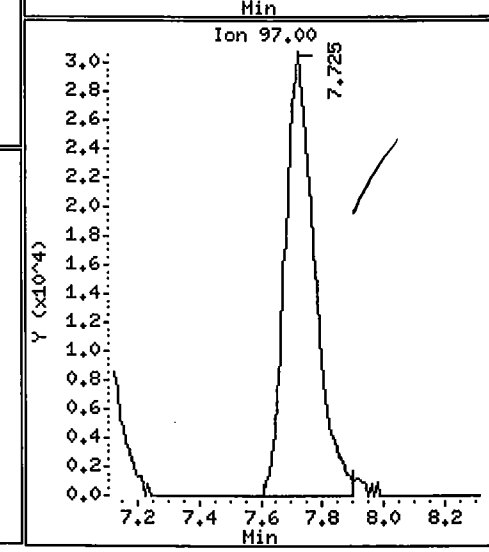












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12911.D

Date : 11-OCT-2000 07:22

Client ID: D12911

Instrument: md.i

Sample Info: DLFJ8101,,2,,0,1,0,8260BDA.M,D12911

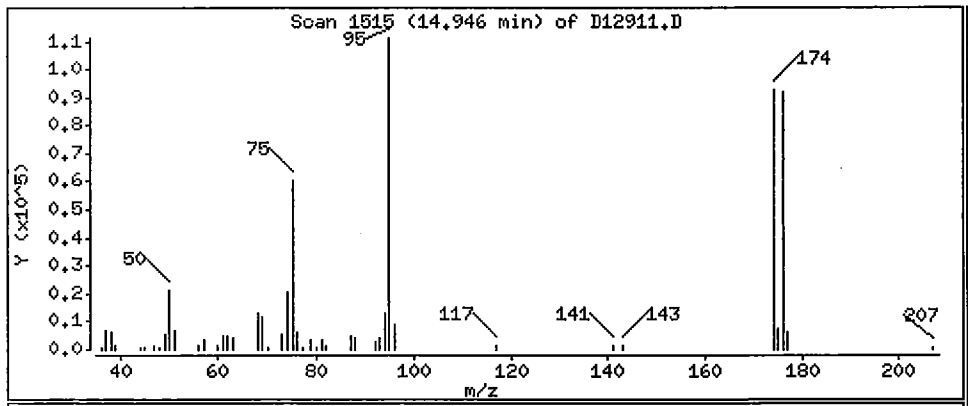
Operator: GFB

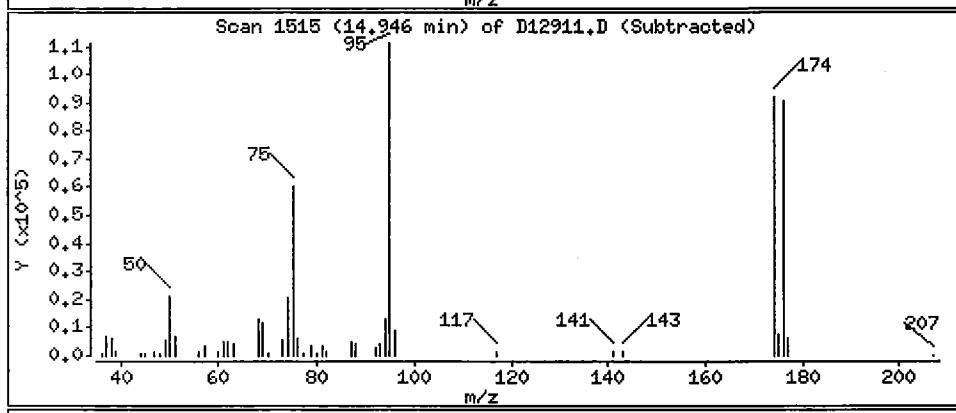
Column phase: J&W DB-624

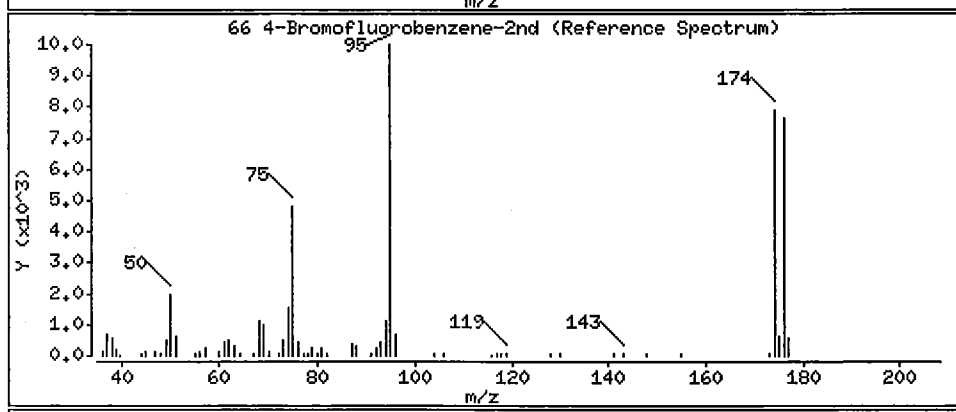
Column diameter: 0.53

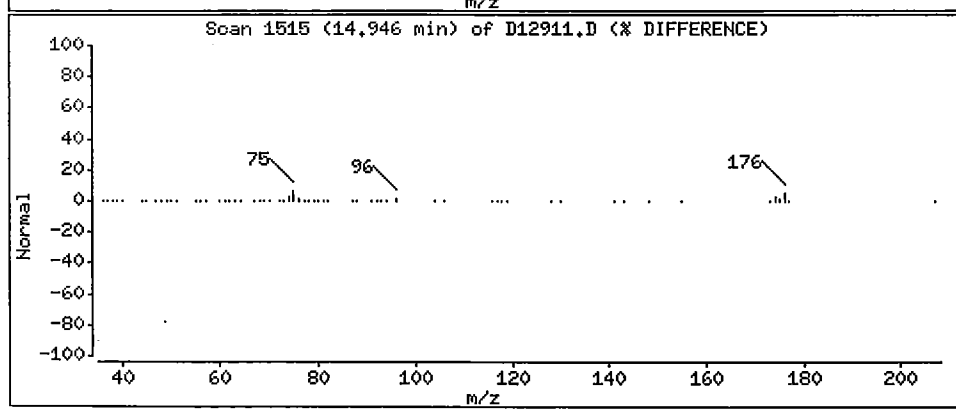
66 4-Bromofluorobenzene-2nd

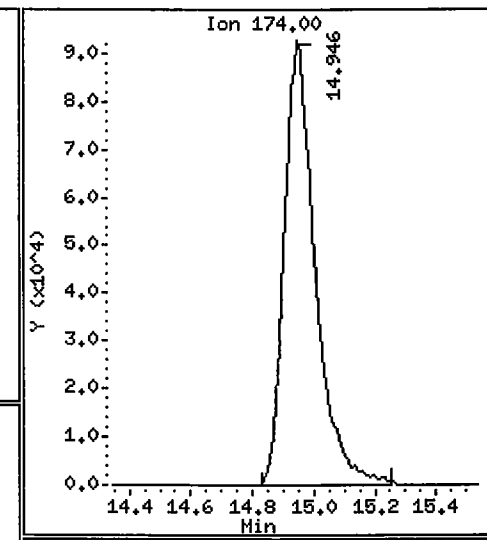
Concentration: 49.23 ug/Kg

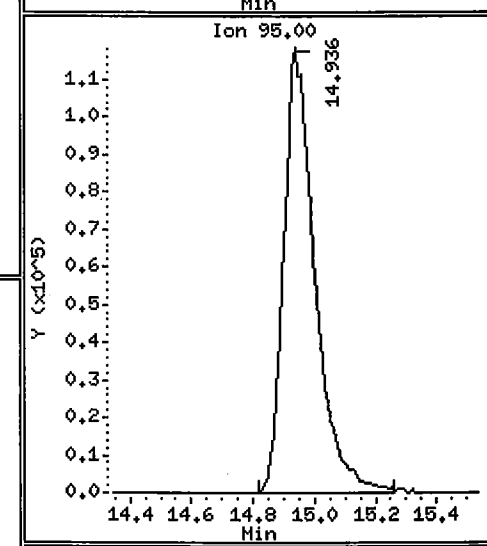


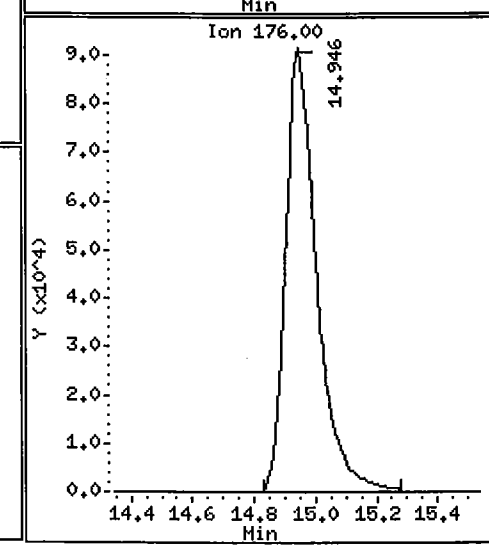












Data File: \\SANP2021\D\CHEM\MD.I\1010BD.B\D12911.D

Date : 11-OCT-2000 07:22

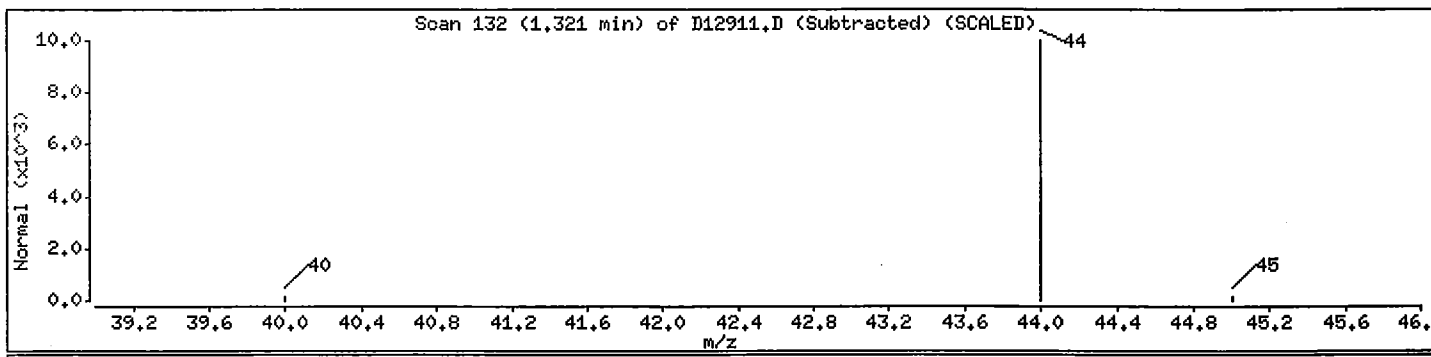
Client ID: D12911 Instrument: md.i

Sample Info: DLFJ8101,,2,,0,1,0,8260BDA.M,D12911

Operator: GFB

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

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



8260B SAMPLE / QC DATA

DATE ANALYZED: 101100

INSTRUMENT ID: MSD

SAMPLES: EOI030150-12 → 27

STL Los Angeles

F 10/16/00

Batch ID: 0287161

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: 1011AD | Date: 10-11-00

Init. Cal ID: 8260BDA 10-4-00

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
8:14	GFB	DT1573	50ng BFB	—	—	1ml	—	—	✓			1198-1
8:29		DS2533	50ng 8260B STD	1	S	5g	1	126	✓			1251-2; 49-2; 47-1
9:14		DI2912	LCS 1011AD	2				148	✓			1253-1
9:46		13	MB 1011AD	3				140	✓			
10:29		14	DLFJA101	4				137	✓			EOJ030150-12
11:01		15	DLFJD101	5				119	✓			-13
11:32		16	DLFJG101	6				128	✓			-14
12:04		17	DLFJK101	7				124	✓			-15
12:35		18	DLFJN101	8				121	✓			-16
13:07		19	DLFJQ101	9				128	✓			-17
13:38		20	DLFJR101	10				123	✓			-18
14:10		21	DLFJV101	11				123	✓			-19
14:42		22	DLFJA102 S	12				124	N			Low Rec -12MS 1253-1
15:14		23	DLFJA103 D	13				84	✓			-12MSD
15:45		24	DLFK0101	14				124	✓			-20
16:17		25	DLFK5101	15				127	✓			-22
17:02		26	DLFK7101	16				133	✓			-23
17:34		27	DLFKA101	17				108	✓			-24
18:06		28	DLFKD101	18				122	✓			-25
18:37		29	DLFKE101	19				119	✓			-26
19:09		30	DLFKG101	20				121	✓			-27
19:41		31	DLHG7101	21				122	✓			EOJ040177-3
6:30		32	Vial Check	22	L	5ml		155	✓			1 Chem Glass; SciSpec Cap

000517

000099

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

Version 01/04/99

BOE-C6-0147592

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

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

Lab File ID (Standard): DS2533 Date Analyzed: 10/11/00

Instrument ID: MD Time Analyzed: 0829

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	1264609	7.09	1048122	12.61	725268	17.26
	UPPER LIMIT	2529218	7.59	2096244	13.11	1450536	17.76
	LOWER LIMIT	632305	6.59	524061	12.11	362634	16.76
	EPA SAMPLE NO.						
01	D12912	1480080	7.09	1255670	12.61	932040	17.26
02	D12913	1406541	7.08	1247640	12.60	899259	17.26
03	D12914	1370788	7.08	1201024	12.61	854086	17.26
04	D12915	1192255	7.09	1032720	12.61	722626	17.26
05	D12916	1285242	7.08	1160508	12.61	833188	17.25
06	D12917	1240171	7.08	1111110	12.60	791972	17.26
07	D12918	1210142	7.08	1056114	12.60	777472	17.24
08	D12919	1288889	7.09	1143179	12.61	821798	17.25
09	D12920	1231672	7.09	1085335	12.61	789104	17.26
10	D12921	1232429	7.10	1101778	12.61	784930	17.27
11	D12922	1245929	7.09	1102966	12.61	816751	17.26
12	D12923	843272	7.09	669871	12.61	475152	17.27
13	D12924	1245700	7.08	1125334	12.61	812505	17.26
14	D12925	1279584	7.10	1097739	12.61	771194	17.26
15	D12926	1331680	7.10	1160731	12.61	822854	17.27
16	D12927	1083142	7.09	965839	12.60	688983	17.26
17	D12928	1228313	7.08	1079970	12.62	774419	17.26
18	D12929	1195853	7.08	1065320	12.61	754214	17.25
19	D12930	1211668	7.09	1076752	12.61	775376	17.26
20	D12931	1220170	7.09	1100642	12.60	757970	17.25
21	D12932	1559081	7.10	1383441	12.62	964252	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.

FORM VIII VOA 1/87 Rev.

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\DT1573.D

Date : 11-OCT-2000 08:14

Client ID:

Instrument: md.i

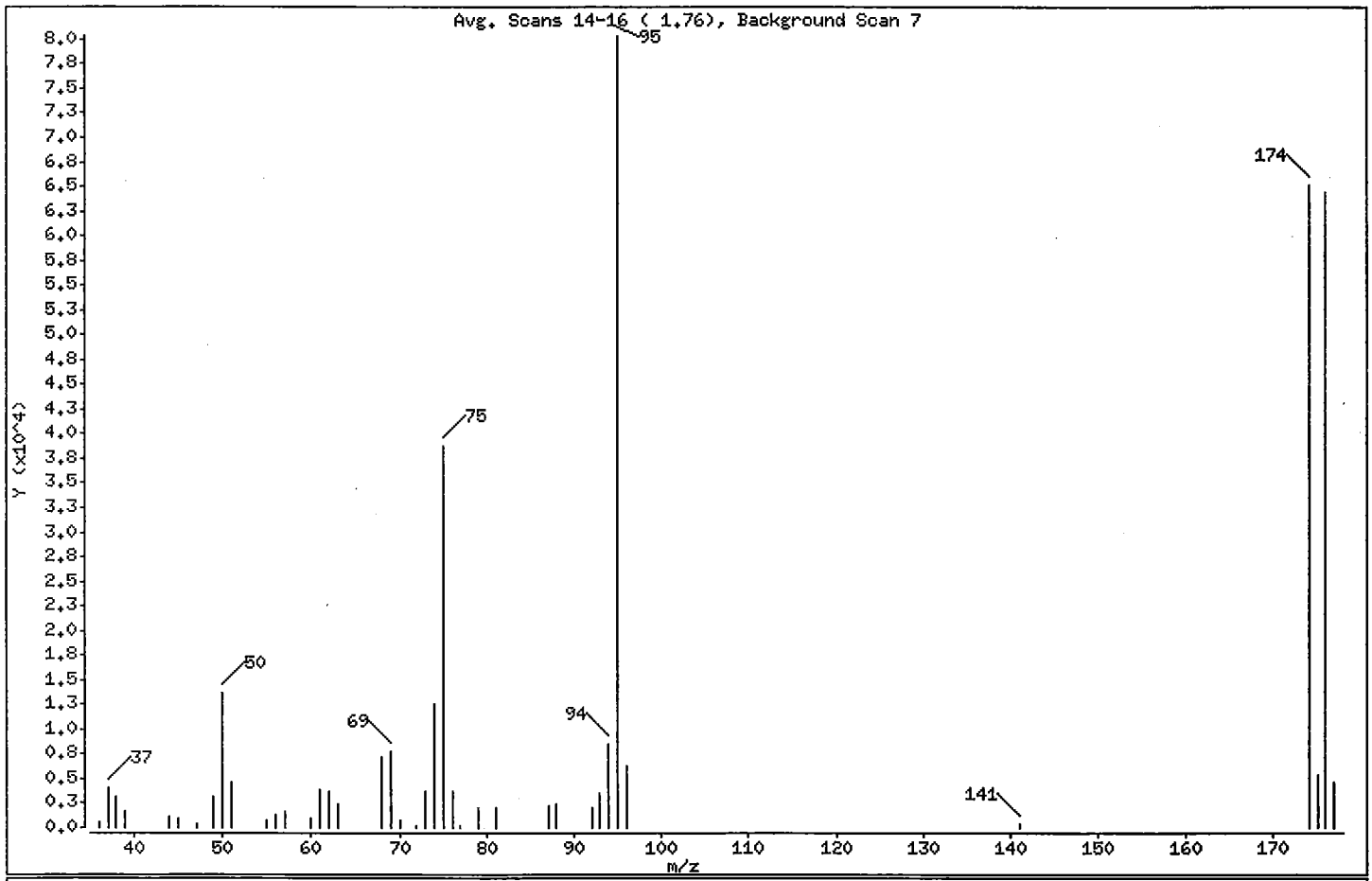
Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

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	16.97
75	30.00 - 60.00% of mass 95	48.25
96	5.00 - 9.00% of mass 95	7.81
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	81.18
175	5.00 - 9.00% of mass 174	6.73 (8.29)
176	95.00 - 101.00% of mass 174	80.26 (98.86)
177	5.00 - 9.00% of mass 176	5.82 (7.26)

10-13-00

STL Los Angeles

Data file : \\SANP2021\D\CHEM\MD.I\1011AD.B\DT1573.D
Lab Smp Id:
Inj Date : 11-OCT-2000 08:14
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\1011AD.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		
1.7631	1.8000	(0.000)	95	80338			0.00- 100.00	100.00
1.7631	1.8000	(0.000)	50	13636			15.00- 40.00	16.97
1.7631	1.8000	(0.000)	75	38760			30.00- 60.00	48.25
1.7631	1.8000	(0.000)	96	6275			5.00- 9.00	7.81
1.7631	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.7631	1.8000	(0.000)	174	65221			50.00- 0.00	81.18
1.7631	1.8000	(0.000)	175	5409			5.00- 9.00	8.29
1.7631	1.8000	(0.000)	176	64480			95.00- 101.00	98.86
1.7631	1.8000	(0.000)	177	4679			5.00- 9.00	7.26

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\DT1573.D

Date : 11-OCT-2000 08:14

Client ID:

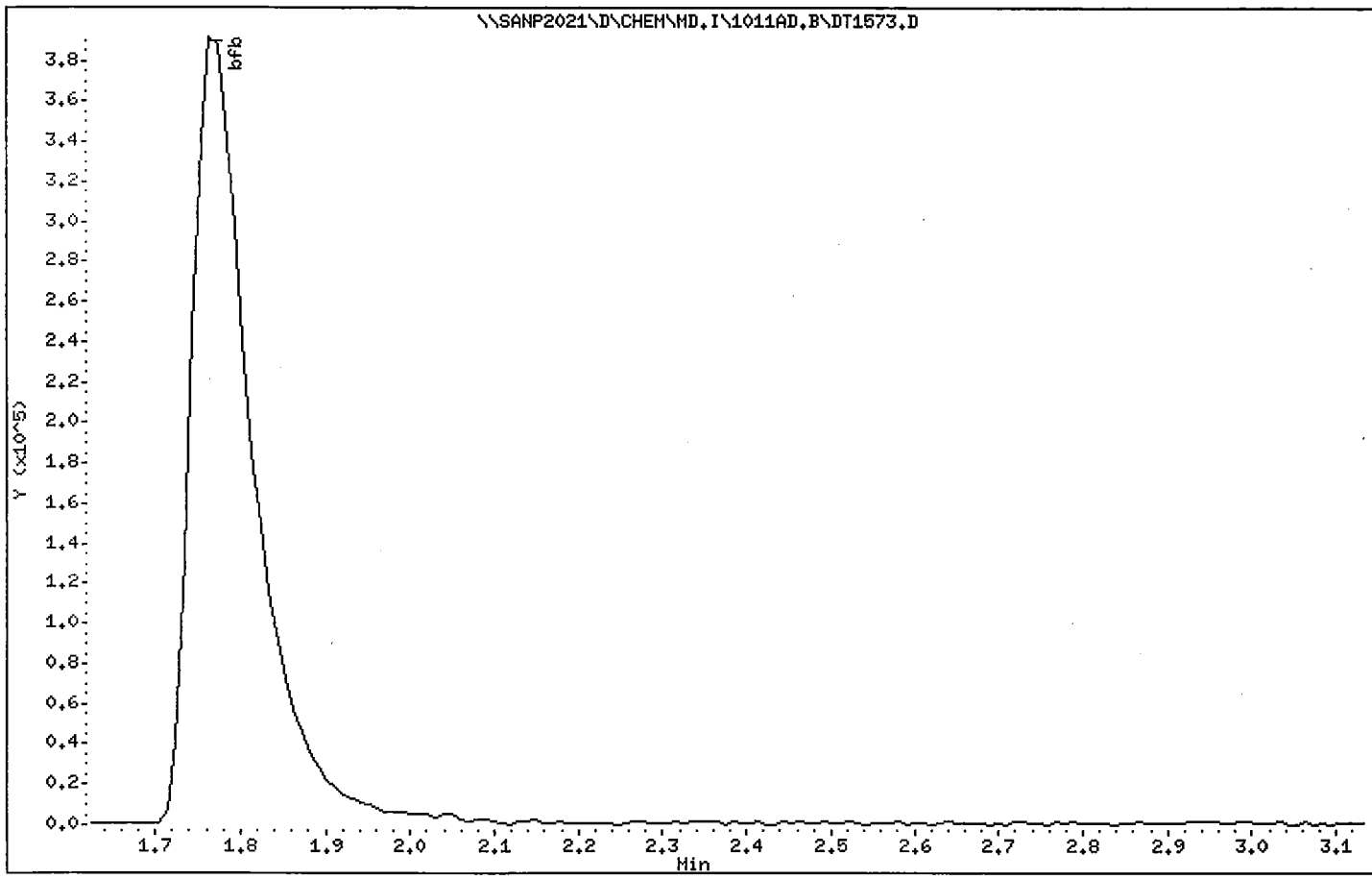
Instrument: md.i

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\1011AD.B\DT1573.D

Date : 11-OCT-2000 08:14

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: DT1573.D
Spectrum: Avg. Scans 14-16 (1.76), Background Scan 7
Location of Maximum: 95.00
Number of points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	585	56.00	1286	74.00	12634	95.00	80336
37.00	4109	57.00	1709	75.00	38760	96.00	6275
38.00	3178	60.00	962	76.00	3728	141.00	321
39.00	1578	61.00	3834	77.00	266	174.00	65216
44.00	1134	62.00	3697	79.00	2031	175.00	5409
45.00	887	63.00	2406	81.00	2020	176.00	64480
47.00	376	68.00	7124	87.00	2199	177.00	4679
49.00	3169	69.00	7795	88.00	2333		
50.00	13636	70.00	781	92.00	2096		
51.00	4527	72.00	254	93.00	3571		
55.00	771	73.00	3660	94.00	8509		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2533.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m

Injection Date: 11-OCT-2000 08:29
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	0.50156	0.010	12.3	50.0	
	2 Vinyl chloride (*)	0.21607	0.24684	0.010	14.2	20.0	
	3 Chloromethane (**)	0.19012	0.21065	0.100	10.8	50.0	
	4 Bromomethane	0.21985	0.24673	0.010	12.2	50.0	
	5 Chloroethane	0.13964	0.17409	0.010	24.7	50.0	
	6 Trichlorofluoromethane	0.71629	0.91332	0.010	27.5	50.0	
	7 Acrolein	0.01339	0.00695	0.001	-48.1	50.0	
	8 1,1-Dichloroethene(*)	0.28163	0.30087	0.010	6.8	20.0	
	9 1,1,2-Trichlorotrifluoroeth	0.46984	0.54589	0.010	16.2	50.0	
	10 Acetone	0.05535	0.03795	0.010	-31.4	50.0	
	11 Iodomethane	0.54249	0.62245	0.001	14.7	50.0	
	12 Carbon disulfide	0.63173	0.71867	0.010	13.8	50.0	
	13 Methylene chloride	0.28611	0.29635	0.010	3.6	50.0	
	14 t-Butanol	0.00532	0.00375	0.001	-29.4	20.0	<-
	15 trans-1,2-Dichloroethene	0.32668	0.36414	0.010	11.5	50.0	
	16 Acrylonitrile	0.04256	0.03068	0.001	-27.9	20.0	<-
	17 Methyl-tert-butyl ether[MTB	0.75221	0.65156	0.010	-13.4	50.0	
	18 1,1-Dichloroethane (**)	0.56293	0.59472	0.100	5.6	50.0	
	19 Vinyl acetate	0.72587	0.56338	0.010	-22.4	50.0	
	20 Isopropyl ether	0.97354	0.94647	0.010	-2.8	20.0	
	21 2,2-Dichloropropane	0.61103	0.68072	0.010	11.4	50.0	
	22 Tert-butyl ethyl ether	0.93101	0.87556	0.010	-6.0	20.0	
	23 cis-1,2-Dichloroethene	0.33158	0.36102	0.010	8.9	50.0	
	24 2-Butanone	0.09614	0.06004	0.010	-37.5	50.0	
	25 Bromochloromethane	0.21883	0.22253	0.010	1.7	50.0	
	26 Chloroform (*)	0.73233	0.84003	0.010	14.7	20.0	
	27 Tetrahydrofuran	0.05809	0.04585	0.010	-21.1	50.0	
M	28 1,2-Dichloroethene (total)	0.32913	0.36258	0.010	10.2	50.0	
$	29 Dibromofluoromethane	0.71120	0.66236	0.010	-6.9	50.0	
	30 1,1,1-Trichloroethane	0.76256	0.89473	0.010	17.3	50.0	
	31 Carbon Tetrachloride	0.72937	0.87005	0.010	19.3	50.0	
	32 1,1-Dichloropropene	0.54325	0.59505	0.010	9.5	50.0	
$	33 1,2-Dichloroethane-d4	0.48005	0.40110	0.010	-16.4	50.0	
	34 1,2-Dichloroethane-d4 2nd	0.09685	0.08515	0.010	-12.1	50.0	
	35 Benzene	0.84852	0.90977	0.010	7.2	50.0	

10-13-00

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i Injection Date: 11-OCT-2000 08:29
Lab File ID: DS2533.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\1011AD.B\8260BDA.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	36 1,2-Dichloroethane	0.53432	0.50752	0.010	-5.0	50.0
	37 Tert-amyl methyl ether	0.88326	0.77915	0.010	-11.8	20.0
	39 Trichloroethene	0.46731	0.53393	0.010	14.3	50.0
	40 1,2-Dichloropropane(*)	0.34594	0.35125	0.010	1.5	20.0
	41 Dibromomethane	0.32224	0.30462	0.010	-5.5	50.0
	42 Bromodichloromethane	0.71616	0.76085	0.010	6.2	50.0
	43 1-Bromo-2-chloroethane	0.78851	0.68540	0.010	-13.1	50.0
	44 2-Chloroethylvinyl ether	0.04393	0.03617	0.010	-17.7	20.0
	45 cis-1,3-Dichloropropene	0.54033	0.52987	0.010	-1.9	50.0
	46 4-Methyl-2-pentanone	0.26017	0.18370	0.010	-29.4	50.0
$	47 Toluene-d8	1.15749	1.15368	0.010	-0.3	50.0
	48 Toluene (*)	1.22215	1.39084	0.010	13.8	20.0
	49 trans-1,3-Dichloropropene	0.55799	0.53159	0.010	-4.7	50.0
	50 1,1,2-Trichloroethane	0.40315	0.38076	0.010	-5.6	50.0
	51 Tetrachloroethene	0.55481	0.67434	0.010	21.5	50.0
	52 1,3-Dichloropropane	0.63464	0.59112	0.010	-6.9	50.0
	53 2-Hexanone	0.22062	0.14349	0.010	-35.0	50.0
	54 Dibromochloromethane	0.73783	0.72351	0.010	-1.9	50.0
	55 1,2-Dibromoethane	0.61043	0.54675	0.010	-10.4	50.0
	57 Chlorobenzene (**)	0.98253	1.08861	0.300	10.8	50.0
	58 1,1,1,2-Tetrachloroethane	0.59402	0.66285	0.010	11.6	50.0
	59 Ethylbenzene (*)	0.45846	0.52609	0.010	14.8	20.0
	60 m,p-Xylenes	0.57596	0.66258	0.010	15.0	50.0
	61 o-Xylene	0.55644	0.63497	0.010	14.1	50.0
	62 Styrene	0.92422	1.02765	0.010	11.2	50.0
M	63 Xylenes (total)	0.56945	0.65338	0.010	14.7	50.0
	64 Bromoform (**)	0.59517	0.55320	0.100	-7.1	50.0
	65 Isopropylbenzene	1.75437	2.05495	0.010	17.1	50.0
	66 4-Bromofluorobenzene-2nd	0.99560	0.99467	0.010	-0.1	50.0
$	67 4-Bromofluorobenzene	1.32880	1.31694	0.010	-0.9	50.0
	68 Bromobenzene	0.83061	0.94597	0.010	13.9	50.0
	69 1,1,2,2-Tetrachloroethane(*	0.85523	0.74332	0.300	-13.1	50.0
	70 1,2,3-Trichloropropane	0.28010	0.24814	0.010	-11.4	50.0
	71 n-Propylbenzene	2.58803	2.99427	0.010	15.7	50.0
	72 2-Chlorotoluene	0.62571	0.74991	0.010	19.8	50.0
	73 4-Chlorotoluene	0.65344	0.76727	0.010	17.4	50.0

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i Injection Date: 11-OCT-2000 08:29
Lab File ID: DS2533.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\1011AD.B\8260BDA.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.08187	2.49067	0.010	19.6	50.0
75 tert-Butylbenzene	2.15036	2.61710	0.010	21.7	50.0
76 1,2,4-Trimethylbenzene	2.11961	2.50035	0.010	18.0	50.0
77 sec-Butylbenzene	2.82015	3.48658	0.010	23.6	50.0
78 1,3-Dichlorobenzene	1.39311	1.57752	0.010	13.2	50.0
80 1,4-Dichlorobenzene	1.51990	1.72129	0.010	13.3	50.0
81 p-Isopropyltoluene	2.32696	2.85025	0.010	22.5	50.0
82 1,2-Dichlorobenzene	1.33233	1.47367	0.010	10.6	50.0
83 n-Butylbenzene	2.22197	2.67485	0.010	20.4	50.0
84 1,2-Dibromo-3-chloropropane	0.28987	0.21696	0.010	-25.2	50.0
85 1,2,4-Trichlorobenzene	1.23050	1.27088	0.010	3.3	50.0
86 Hexachlorobutadiene	0.92928	1.19629	0.010	28.7	50.0
87 Napthalene	1.86163	1.40677	0.010	-24.4	50.0
88 1,2,3-Trichlorobenzene	1.14824	1.11904	0.010	-2.5	50.0

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2533.D
Lab Smp Id: 50 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Misc Info: 1251-2;49-2;47-1,,5,,2,all.SUB

Calibration Date: 11-OCT-2000
Calibration Time: 08:29

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1264609	632305	2529218	1264609	0.00
56 Chlorobenzene-d5	1048122	524061	2096244	1048122	0.00
79 1,4-Dichlorobenze	725268	362634	1450536	725268	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.09	6.59	7.59	7.09	0.00
56 Chlorobenzene-d5	12.61	12.11	13.11	12.61	0.00
79 1,4-Dichlorobenze	17.26	16.76	17.76	17.26	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 Calibration Internal Standard Area Check

CCV File : \\SANP2021\D\CHEM\MD.I\1011AD.B/DS2533.D
Inj. Date : 11-OCT-2000 08:29

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	7.09	0.01	1480718	1264609	85.4%
Chlorobenzene-d5	12.63	12.61	0.02	1259551	1048122	83.2%
1,4-Dichlorobenzene-d4	17.27	17.26	0.01	906122	725268	80.0%

8260B Area difference criteria: 50%-200%

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1011AD.B\DS2533.D
Lab Smp Id: 50 PPB 8260B STD
Inj Date : 11-OCT-2000 08:29
Operator : GFB Inst ID: md.i
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1251-2;49-2;47-1,,5,,2,all.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 08:54 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	(0.207)	634271	50.0000	56.17
2 Vinyl chloride (*)	62	1.691	1.691	(0.238)	312158	50.0000	57.12
3 Chloromethane (**)	50	1.602	1.602	(0.226)	266394	50.0000	55.40
4 Bromomethane	94	1.967	1.967	(0.277)	312012	50.0000	56.11
5 Chloroethane	64	2.055	2.055	(0.290)	220154	50.0000	62.33
6 Trichlorofluoromethane	101	2.292	2.292	(0.323)	1154988	50.0000	63.75
7 Acrolein	56	2.686	2.686	(0.379)	87905	500.000	259.6(AQ)
8 1,1-Dichloroethene(*)	96	2.784	2.784	(0.393)	380485	50.0000	53.42
9 1,1,2-Trichlorotrifluoroethan	151	2.794	2.794	(0.394)	690338	50.0000	58.09
10 Acetone	43	2.853	2.853	(0.402)	239978	250.000	171.4(Q)
11 Iodomethane	142	2.932	2.932	(0.414)	1574317	100.000	114.7(A)
12 Carbon disulfide	76	3.001	3.001	(0.423)	908840	50.0000	56.88
13 Methylene chloride	84	3.316	3.316	(0.468)	374769	50.0000	51.79
14 t-Butanol	59	3.553	3.553	(0.501)	118627	1250.00	882.3

	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	3.661	3.661	(0.516)	460493	50.0000	55.73
	16 Acrylonitrile	53	3.642	3.642	(0.514)	388024	500.000	360.5(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.701	3.701	(0.522)	823971	50.0000	43.31
	18 1,1-Dichloroethane (**)	63	4.252	4.252	(0.600)	752087	50.0000	52.82
	19 Vinyl acetate	43	4.390	4.390	(0.619)	1424912	100.000	77.61
	20 Isopropyl ether	45	4.410	4.410	(0.622)	1196920	50.0000	48.61
	21 2,2-Dichloropropane	77	5.139	5.139	(0.725)	860842	50.0000	55.70
	22 Tert-butyl ethyl ether	59	5.001	5.001	(0.705)	1107240	50.0000	47.02
	23 cis-1,2-Dichloroethene	96	5.159	5.159	(0.728)	456547	50.0000	54.44
	24 2-Butanone	43	5.238	5.238	(0.739)	379660	250.000	156.1
	25 Bromochloromethane	128	5.543	5.543	(0.782)	281416	50.0000	50.85
	26 Chloroform (*)	83	5.710	5.710	(0.805)	1062316	50.0000	57.35
	27 Tetrahydrofuran	42	5.651	5.651	(0.797)	57978	50.0000	39.46
M	28 1,2-Dichloroethene (total)	100				917041	100.000	110.2
$	29 Dibromofluoromethane	111	5.967	5.967	(0.842)	837630	50.0000	46.57
	30 1,1,1-Trichloroethane	97	5.947	5.947	(0.839)	1131487	50.0000	58.67
	31 Carbon Tetrachloride	117	6.233	6.233	(0.879)	1100274	50.0000	59.64
	32 1,1-Dichloropropene	75	6.243	6.243	(0.880)	752505	50.0000	54.77
$	33 1,2-Dichloroethane-d4	65	6.509	6.509	(0.918)	507228	50.0000	41.78
	34 1,2-Dichloroethane-d4 2nd	102	6.509	6.509	(0.918)	107682	50.0000	43.96
	35 Benzene	78	6.577	6.577	(0.928)	1150508	50.0000	53.61
	36 1,2-Dichloroethane	62	6.646	6.646	(0.937)	641821	50.0000	47.49
	37 Tert-amyl methyl ether	73	6.873	6.873	(0.969)	985321	50.0000	44.11
*	38 Fluorobenzene	96	7.090	7.090	(1.000)	1264609	50.0000	
	39 Trichloroethene	130	7.730	7.730	(1.090)	675207	50.0000	57.13
	40 1,2-Dichloropropane(*)	63	8.105	8.105	(1.143)	444195	50.0000	50.77
	41 Dibromomethane	93	8.312	8.312	(1.172)	385226	50.0000	47.26
	42 Bromodichloromethane	83	8.637	8.637	(1.218)	962173	50.0000	53.12
	43 1-Bromo-2-chloroethane	63	9.149	9.149	(1.290)	866759	50.0000	43.46
	44 2-Chloroethylvinyl ether	106	9.238	9.238	(1.303)	91483	100.000	82.34(Q)
	45 cis-1,3-Dichloropropene	75	9.454	9.454	(1.334)	670073	50.0000	49.03
	46 4-Methyl-2-pentanone	43	9.789	9.789	(1.381)	1161515	250.000	176.5
$	47 Toluene-d8	98	9.908	9.908	(0.786)	1209195	50.0000	49.84
	48 Toluene (*)	91	10.036	10.036	(0.796)	1457769	50.0000	56.90
	49 trans-1,3-Dichloropropene	75	10.509	10.509	(0.834)	557172	50.0000	47.63
	50 1,1,2-Trichloroethane	97	10.824	10.824	(0.859)	399079	50.0000	47.22
	51 Tetrachloroethene	164	11.031	11.031	(0.875)	706792	50.0000	60.77
	52 1,3-Dichloropropane	76	11.110	11.110	(0.881)	619565	50.0000	46.57
	53 2-Hexanone	43	11.376	11.376	(0.902)	751957	250.000	162.6
	54 Dibromochloromethane	129	11.533	11.533	(0.915)	758332	50.0000	49.03
	55 1,2-Dibromoethane	107	11.681	11.681	(0.927)	573064	50.0000	44.78
*	56 Chlorobenzene-d5	117	12.607	12.607	(1.000)	1048122	50.0000	
	57 Chlorobenzene (**)	112	12.647	12.647	(1.003)	1140996	50.0000	55.40
	58 1,1,1,2-Tetrachloroethane	131	12.863	12.863	(1.020)	694749	50.0000	55.79
	59 Ethylbenzene (*)	106	12.922	12.922	(1.025)	551407	50.0000	57.38
	60 m,p-Xylenes	106	13.169	13.169	(1.045)	1388936	100.000	115.0
	61 o-Xylene	106	13.917	13.917	(1.104)	665523	50.0000	57.06

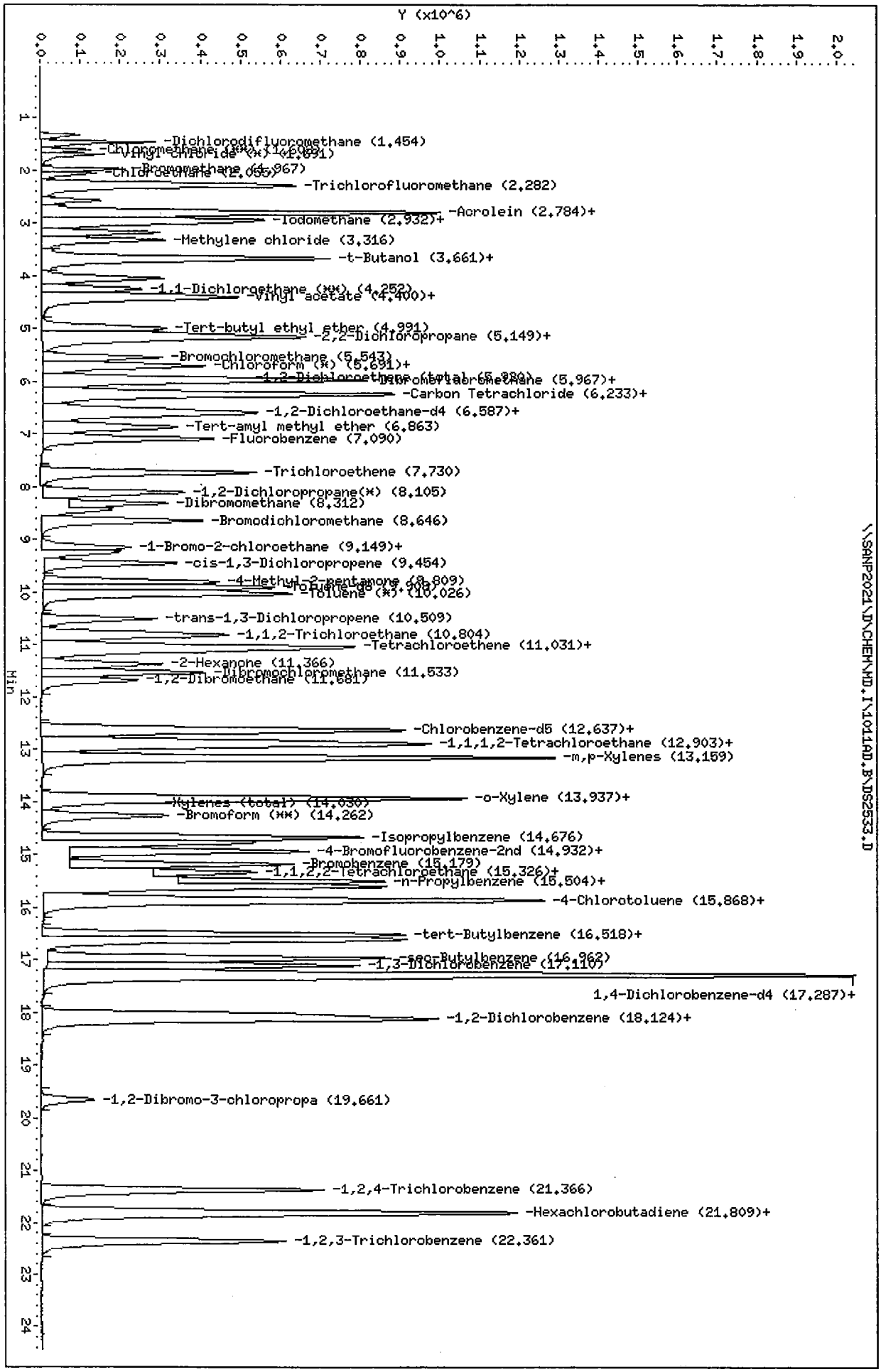
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.957	13.957	(1.107)	1077100	50.0000	55.60
M	63 Xylenes (total)	100				2054460	150.000	172.1
	64 Bromoform (**)	173	14.262	14.262	(1.131)	579819	50.0000	46.47
	65 Isopropylbenzene	105	14.676	14.676	(1.164)	2153836	50.0000	58.57
	66 4-Bromofluorobenzene-2nd	174	14.942	14.942	(0.866)	721402	50.0000	49.95
$	67 4-Bromofluorobenzene	95	14.932	14.932	(0.865)	955133	50.0000	49.55
	68 Bromobenzene	156	15.179	15.179	(0.880)	686084	50.0000	56.94
	69 1,1,2,2-Tetrachloroethane(**)	83	15.326	15.326	(0.888)	539106	50.0000	43.46
	70 1,2,3-Trichloropropane	110	15.346	15.346	(0.889)	179968	50.0000	44.29
	71 n-Propylbenzene	91	15.504	15.504	(0.898)	2171649	50.0000	57.85
	72 2-Chlorotoluene	126	15.612	15.612	(0.905)	543883	50.0000	59.92
	73 4-Chlorotoluene	126	15.848	15.848	(0.918)	556474	50.0000	58.71
	74 1,3,5-Trimethylbenzene	105	15.888	15.888	(0.921)	1806405	50.0000	59.82
	75 tert-Butylbenzene	119	16.518	16.518	(0.957)	1898103	50.0000	60.85
	76 1,2,4-Trimethylbenzene	105	16.617	16.617	(0.963)	1813423	50.0000	58.98
	77 sec-Butylbenzene	105	16.962	16.962	(0.983)	2528708	50.0000	61.82
	78 1,3-Dichlorobenzene	146	17.110	17.110	(0.991)	1144127	50.0000	56.62
*	79 1,4-Dichlorobenzene-d4	152	17.257	17.257	(1.000)	725268	50.0000	
	80 1,4-Dichlorobenzene	146	17.307	17.307	(1.003)	1248396	50.0000	56.62
	81 p-Isopropyltoluene	119	17.287	17.287	(1.002)	2067196	50.0000	61.24
	82 1,2-Dichlorobenzene	146	18.046	18.046	(1.046)	1068807	50.0000	55.30
	83 n-Butylbenzene	91	18.124	18.124	(1.050)	1939986	50.0000	60.19
	84 1,2-Dibromo-3-chloropropane	157	19.671	19.671	(1.140)	157350	50.0000	37.42
	85 1,2,4-Trichlorobenzene	180	21.366	21.366	(1.238)	921732	50.0000	51.64
	86 Hexachlorobutadiene	225	21.789	21.789	(1.263)	867634	50.0000	64.37
	87 Napthalene	128	21.839	21.839	(1.265)	1020286	50.0000	37.78
	88 1,2,3-Trichlorobenzene	180	22.361	22.361	(1.296)	811604	50.0000	48.73

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\1011AD.B\DS2533.D
Date : 11-OCT-2000 08:29
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\1011AD.B\D12912.D
Lab Smp Id: LCS-1011AD Client Smp ID: D12912
Inj Date : 11-OCT-2000 09:14
Operator : GFB Inst ID: md.i
Smp Info : LCS-1011AD,LCS,2,,0,1,0,8260BDA.M,D12912
Misc Info : 1244-2,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 08:54 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

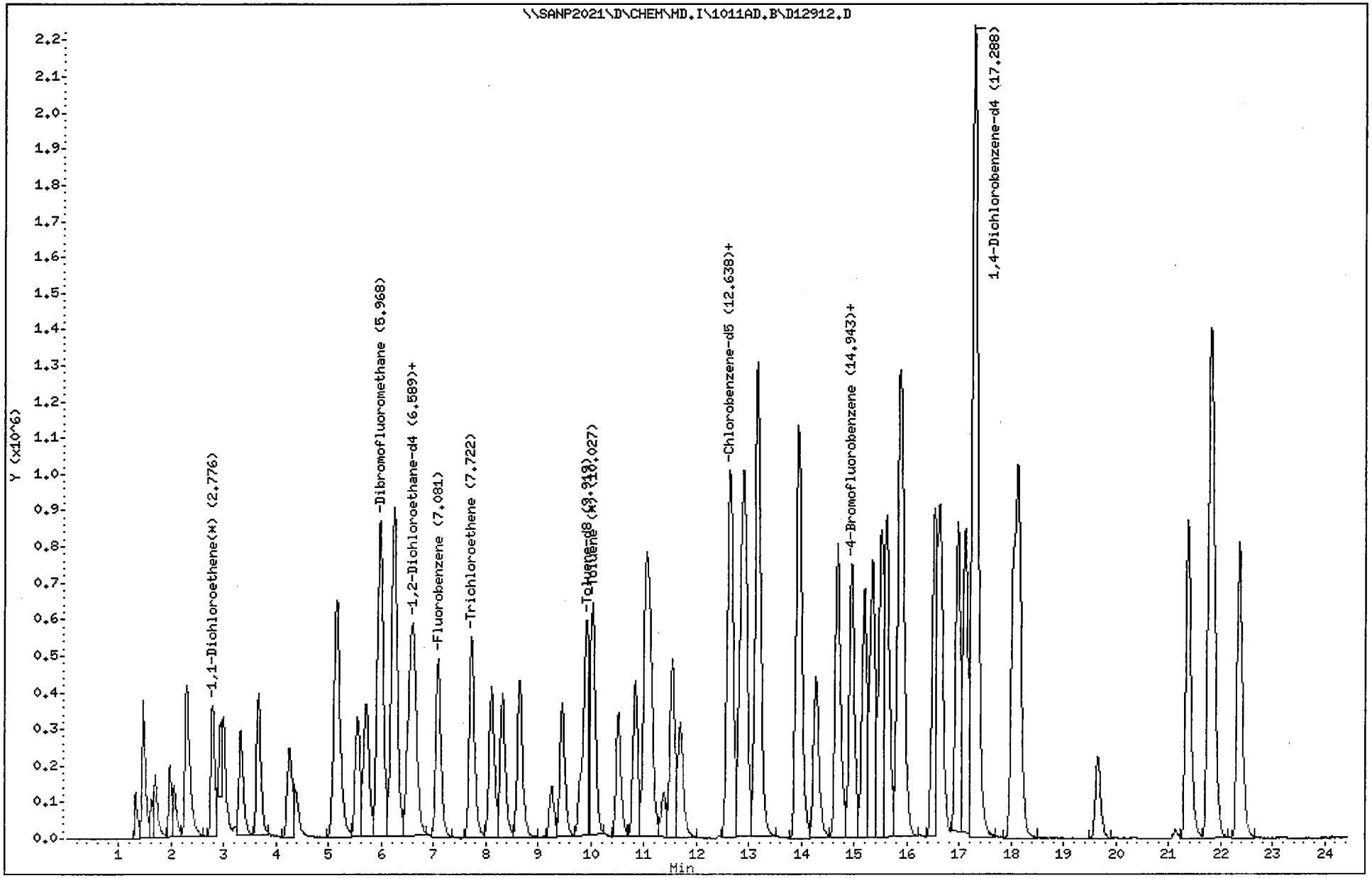
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.776	2.784	(0.391)	405496	48.6403	48.64
$ 29 Dibromofluoromethane	111	5.978	5.967	(0.843)	990499	47.0489	47.05
$ 33 1,2-Dichloroethane-d4	65	6.510	6.509	(0.918)	658577	46.3457	46.34
34 1,2-Dichloroethane-d4 2nd	102	6.510	6.509	(0.918)	143657	50.1093	50.11
35 Benzene	78	6.579	6.577	(0.928)	1201059	47.8175	47.82
* 38 Fluorobenzene	96	7.091	7.090	(1.000)	1480080	50.0000	
39 Trichloroethene	130	7.721	7.730	(1.089)	718077	51.9095	51.91
$ 47 Toluene-d8	98	9.919	9.908	(0.787)	1356810	46.6765	46.68
48 Toluene (*)	91	10.027	10.036	(0.795)	1472542	47.9776	47.98
* 56 Chlorobenzene-d5	117	12.608	12.607	(1.000)	1255670	50.0000	
57 Chlorobenzene (**)	112	12.657	12.647	(1.004)	1197800	48.5438	48.54
$ 67 4-Bromofluorobenzene	95	14.953	14.932	(0.866)	1107592	44.7151	44.72
66 4-Bromofluorobenzene-2nd	174	14.953	14.942	(0.866)	851104	45.8601	45.86
* 79 1,4-Dichlorobenzene-d4	152	17.258	17.257	(1.000)	932040	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12912.D
Date : 11-OCT-2000 09:14
Client ID: D12912
Sample Info: LCS-1011AD,LCS,2,,0,1,0,8260BDA.M,D12912

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



000533

BOE-C6-0147608

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1011AD.B\D12913.D
Lab Smp Id: MB-1011AD Client Smp ID: D12913
Inj Date : 11-OCT-2000 09:46
Operator : GFB Inst ID: md.i
Smp Info : MB-1011AD,BLANK,2,,0,1,0,8260BDA.M,D12913
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\chem\md.i\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	5.964	5.967	(0.843)	915023	45.7363	45.74
$ 33 1,2-Dichloroethane-d4	65	6.505	6.509	(0.919)	607923	45.0178	45.02
34 1,2-Dichloroethane-d4 2nd	102	6.505	6.509	(0.919)	120439	44.2074	44.21
* 38 Fluorobenzene	96	7.077	7.090	(1.000)	1406541	50.0000	
$ 47 Toluene-d8	98	9.914	9.908	(0.787)	1282964	44.4202	44.42
* 56 Chlorobenzene-d5	117	12.604	12.607	(1.000)	1247640	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.939	14.942	(0.865)	823558	45.9934	45.99
$ 67 4-Bromofluorobenzene	95	14.939	14.932	(0.865)	1081647	45.2595	45.26
* 79 1,4-Dichlorobenzene-d4	152	17.264	17.257	(1.000)	899259	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\1011AD.B\D12913.D
Lab Smp Id: MB-1011AD Client Smp ID: D12913
Inj Date : 11-OCT-2000 09:46
Operator : GFB Inst ID: md.i
Smp Info : MB-1011AD,BLANK,2,,0,1,0,8260BDA.M,D12913
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\chem\md.i\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.077	3217683	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.323	506374	7.86860593	7.87	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1011AD
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12913
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

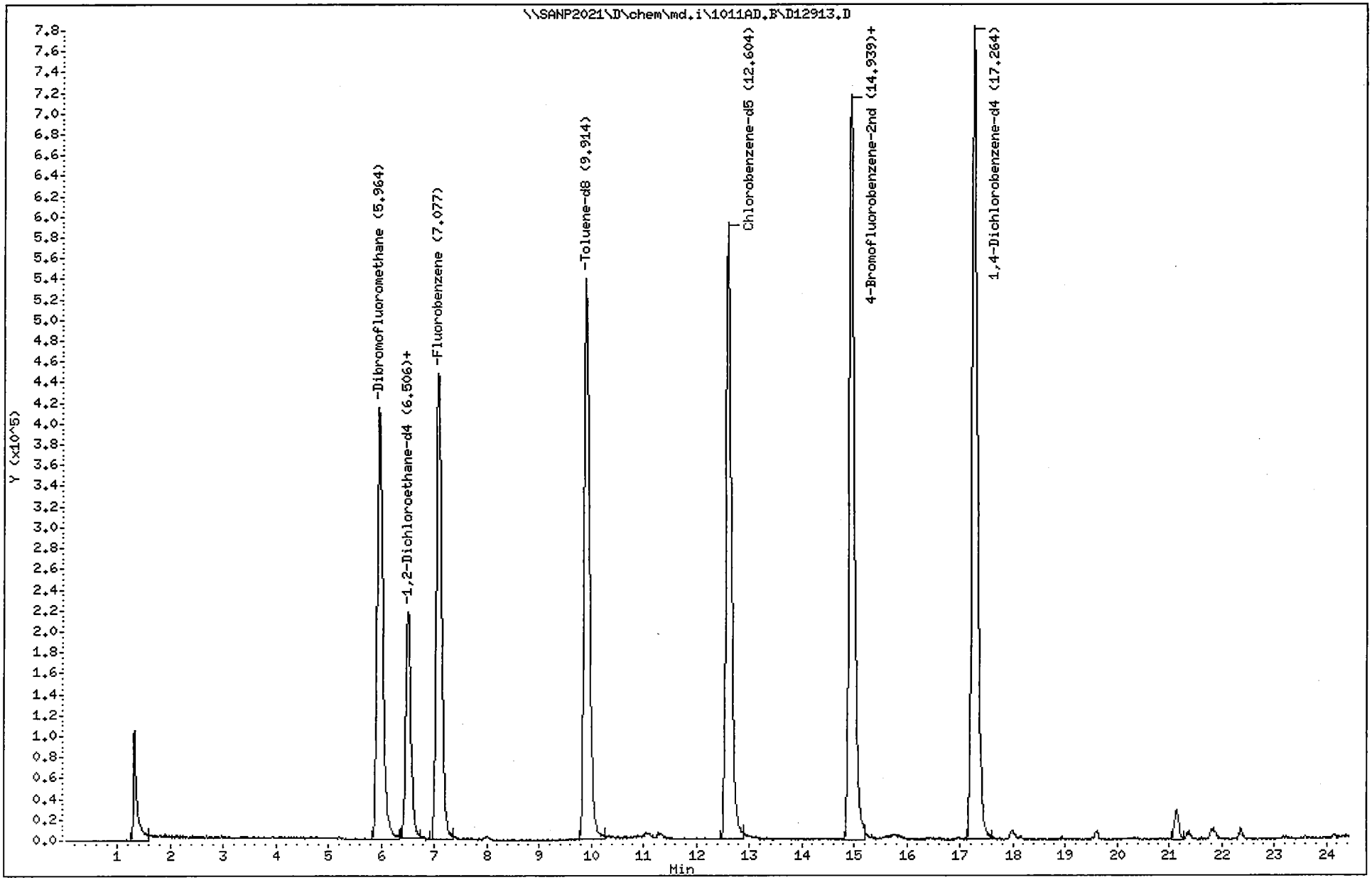
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown OV	1.323	7.87	J

Data File: \\SANP2021\D\chem\md.i\1011AD.B\D12913.D
Date : 11-OCT-2000 09:46
Client ID: D12913
Sample Info: MB-1011AD,BLANK,2,,0,1,0,8260BDA.M,D12913

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



000537

BOE-C6-0147612

Data File: \\SANP2021\D\chem\md.i\1011AD.B\D12913.D

Date : 11-OCT-2000 09:46

Client ID: D12913

Instrument: md.i

Sample Info: MB-1011AD,BLANK,2,,0,1,0,8260BDA.M,D12913

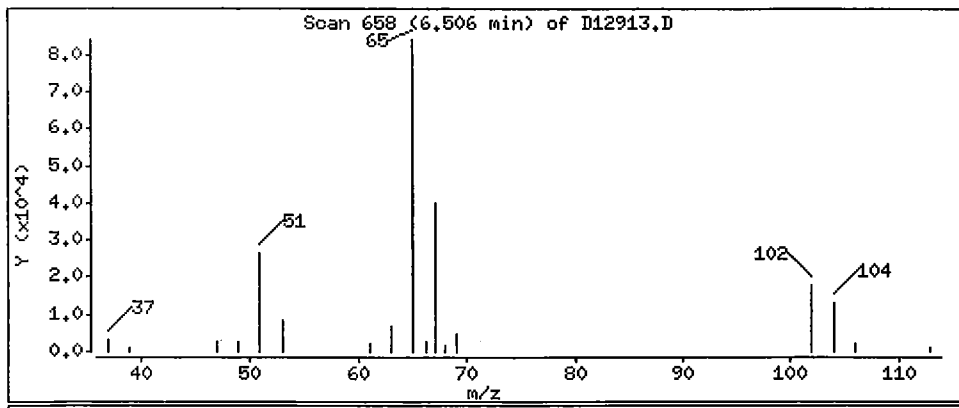
Operator: GFB

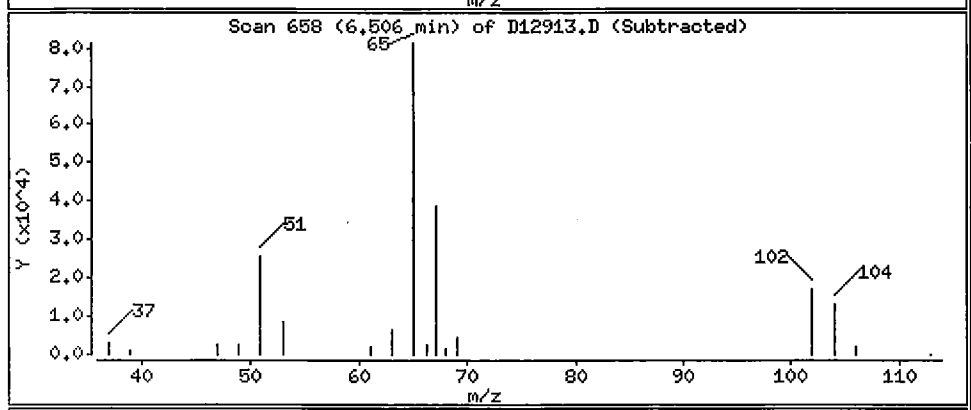
Column phase: J&W DB-624

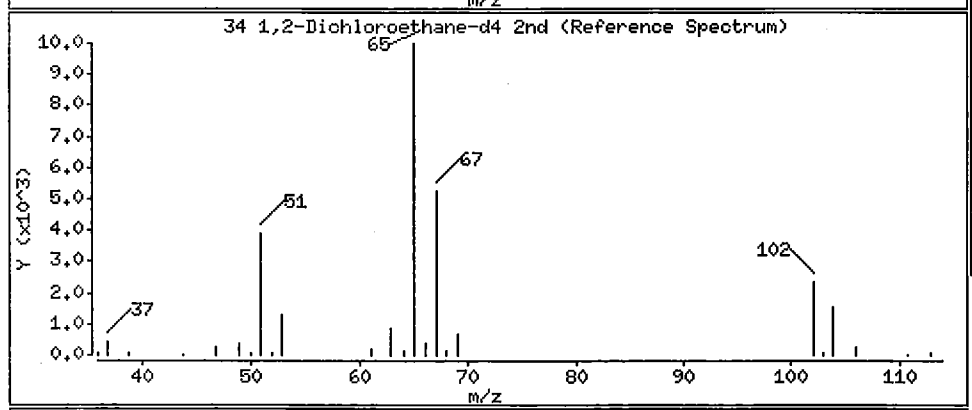
Column diameter: 0.53

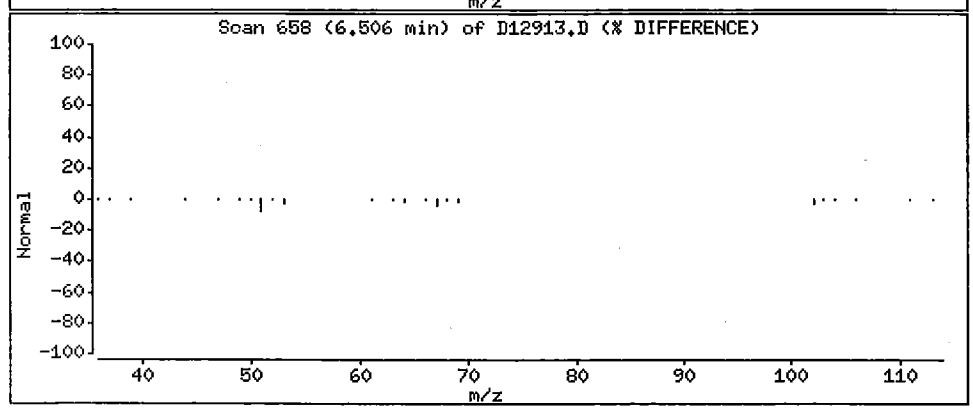
34 1,2-Dichloroethane-d4 2nd

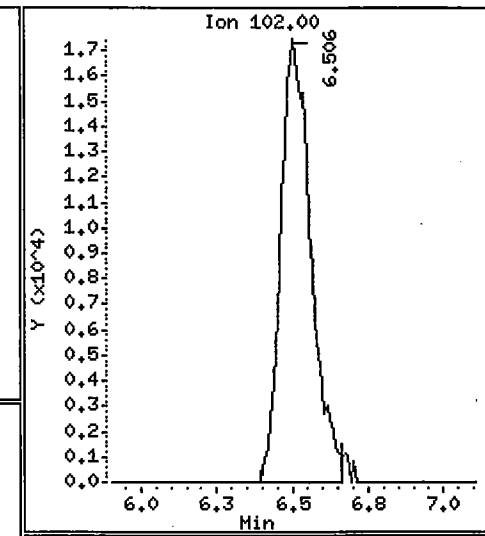
Concentration: 44.21 ug/Kg

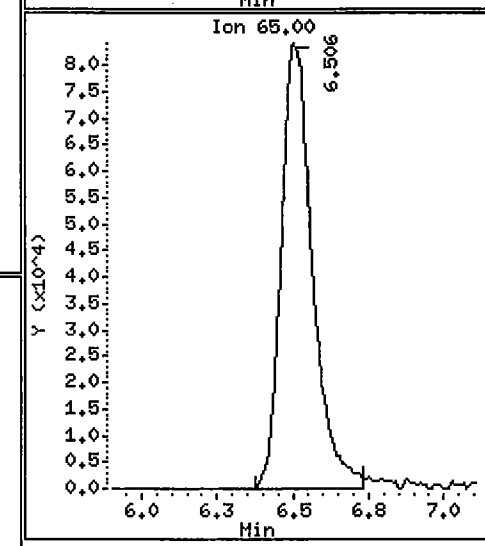












Data File: \\SANP2021\D\chem\md.i\1011AD.B\D12913.D

Date : 11-OCT-2000 09:46

Client ID: D12913

Instrument: md.i

Sample Info: MB-1011AD,BLANK,2,,0,1,0,8260BDA.M,D12913

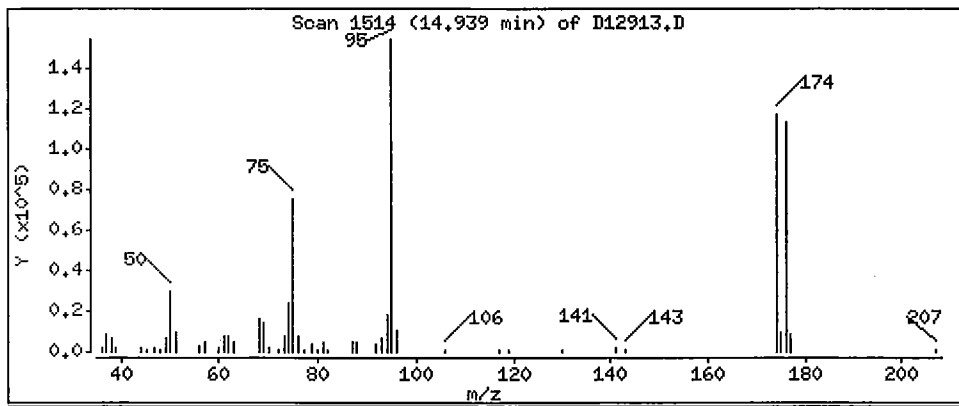
Operator: GFB

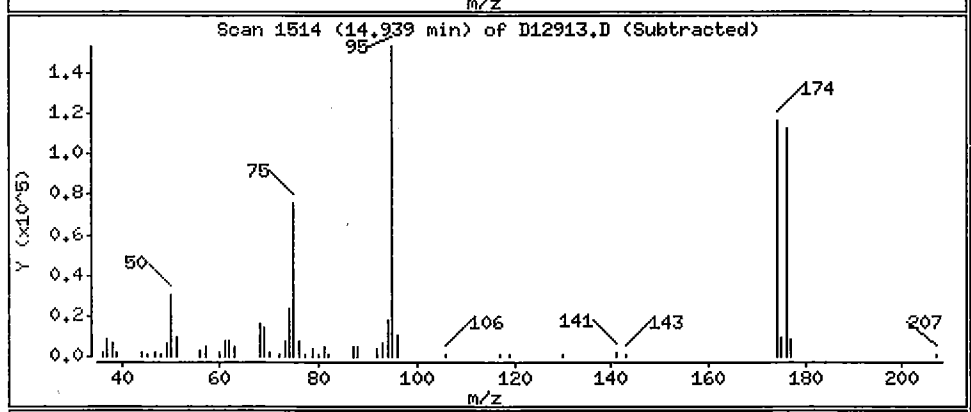
Column phase: J&W DB-624

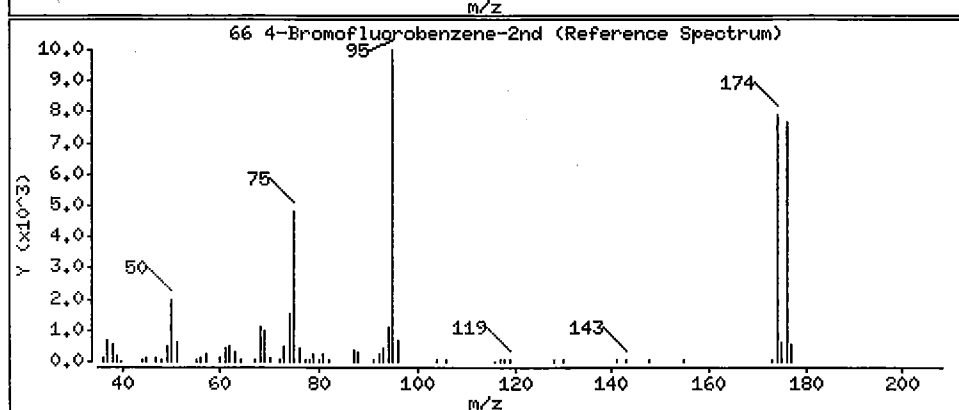
Column diameter: 0.53

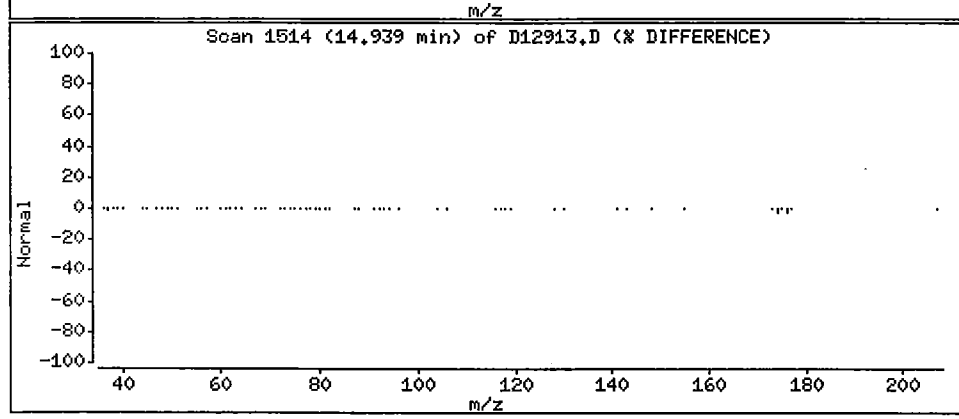
66 4-Bromofluorobenzene-2nd

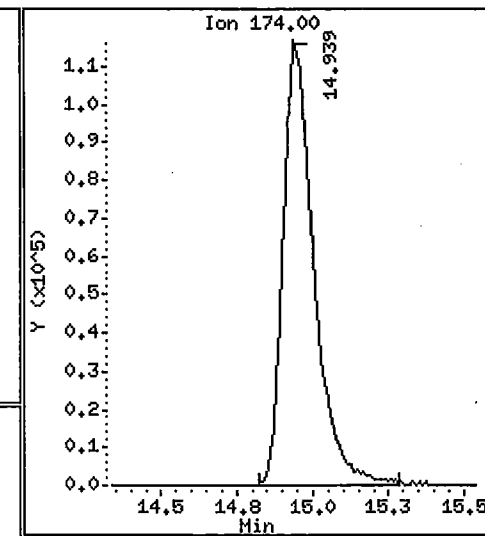
Concentration: 45.99 ug/Kg

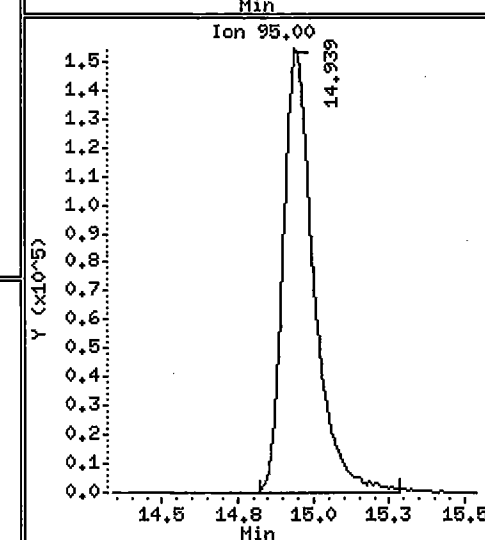


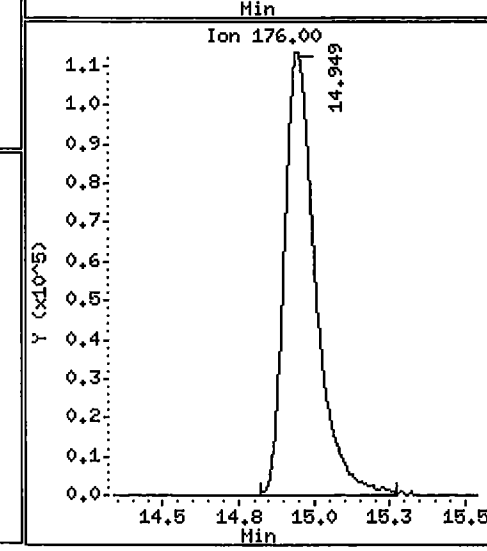












Data File: \\SANP2021\D\chem\md.i\1011AD.B\D12913.D

Date : 11-OCT-2000 09:46

Client ID: D12913

Instrument: md.i

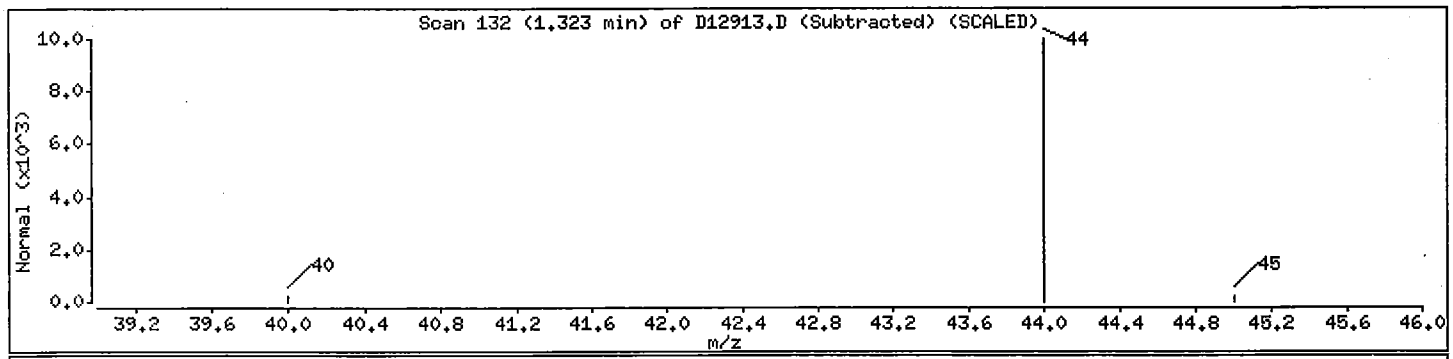
Sample Info: MB-1011AD,BLANK,2,,0,1,0,8260BDA.M,D12913

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\1011AD.B\D12914.D
Lab Smp Id: DLFJA101 Client Smp ID: D12914
Inj Date : 11-OCT-2000 10:29
Operator : GFB Inst ID: md.i
Smp Info : DLFJA101,,2,,0,1,0,8260BDA.M,D12914
Misc Info : E0J03150-12,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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)	
$ 29 Dibromofluoromethane	111	5.977	5.967	(0.844)	917608	47.0617	47.06	
$ 33 1,2-Dichloroethane-d4	65	6.509	6.509	(0.919)	588600	44.7237	44.72	
34 1,2-Dichloroethane-d4 2nd	102	6.509	6.509	(0.919)	121092	45.6062	45.61	
* 38 Fluorobenzene	96	7.081	7.090	(1.000)	1370788	50.0000		
$ 47 Toluene-d8	98	9.908	9.908	(0.786)	1251242	45.0033	45.00	
* 56 Chlorobenzene-d5	117	12.608	12.607	(1.000)	1201024	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.953	14.942	(0.866)	783318	46.0599	46.06	
$ 67 4-Bromofluorobenzene	95	14.943	14.932	(0.866)	1028840	45.3268	45.33	
* 79 1,4-Dichlorobenzene-d4	152	17.258	17.257	(1.000)	854086	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\1011AD.B\D12914.D
Lab Smp Id: DLFJA101 Client Smp ID: D12914
Inj Date : 11-OCT-2000 10:29
Operator : GFB Inst ID: md.i
Smp Info : DLFJA101,,2,,0,1,0,8260BDA.M,D12914
Misc Info : E0J03150-12,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.081	3164685	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.317	551854	8.71894325	8.72	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJA101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12914
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 col	1.317	8.72	J

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12914.D

Date : 11-OCT-2000 10:29

Client ID: D12914

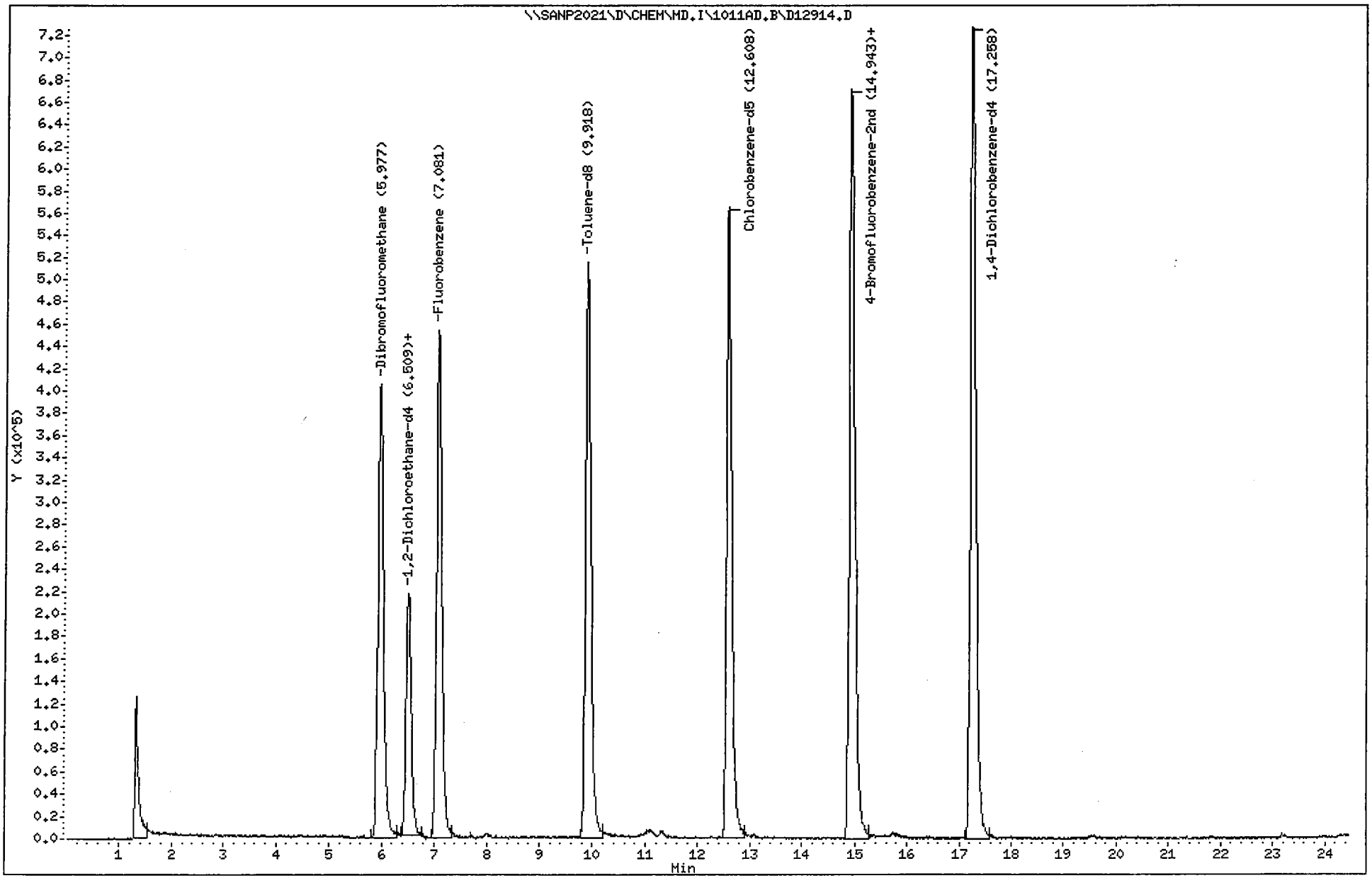
Sample Info: DLFJA101,,2,,0,1,0,8260BDA.M,D12914

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000544

BOE-C6-0147619

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12914.D

Date : 11-OCT-2000 10:29

Client ID: D12914

Instrument: md.i

Sample Info: DLFJA101,,2,,0,1,0,8260BDA.M,D12914

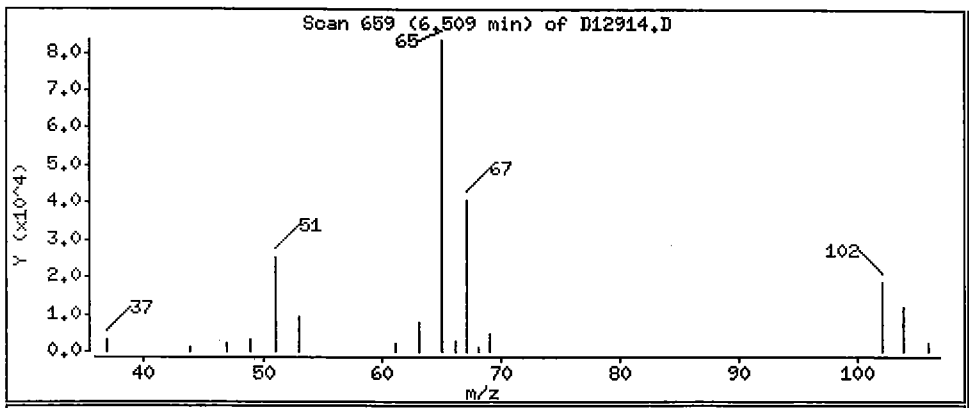
Operator: GFB

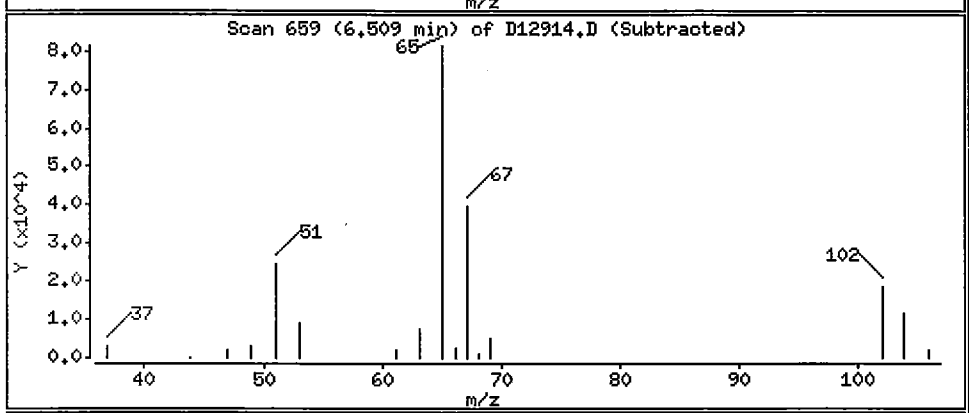
Column phase: J&W DB-624

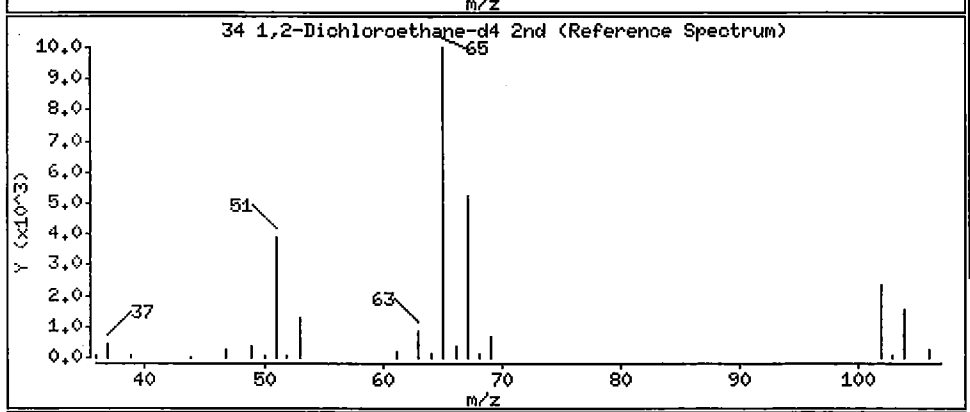
Column diameter: 0.53

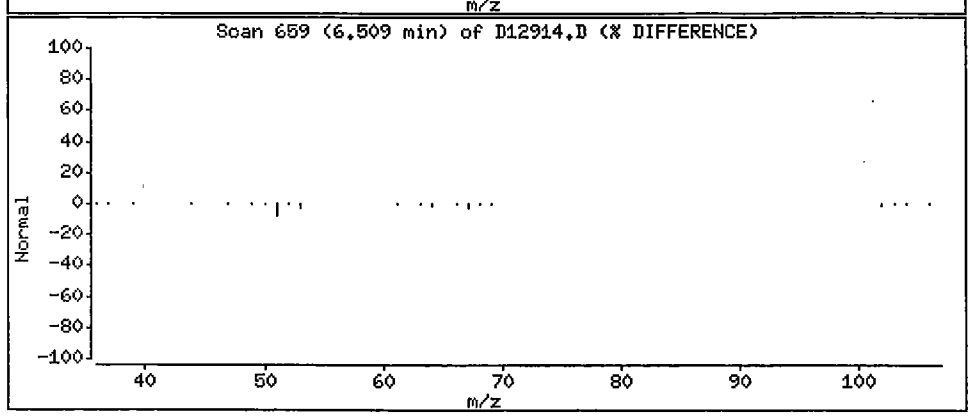
34 1,2-Dichloroethane-d4 2nd

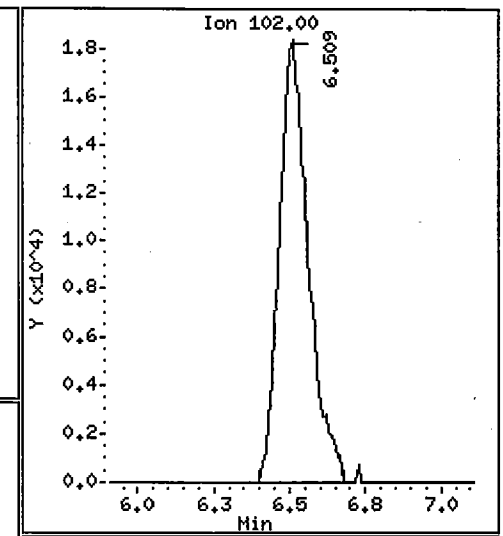
Concentration: 45.61 ug/Kg

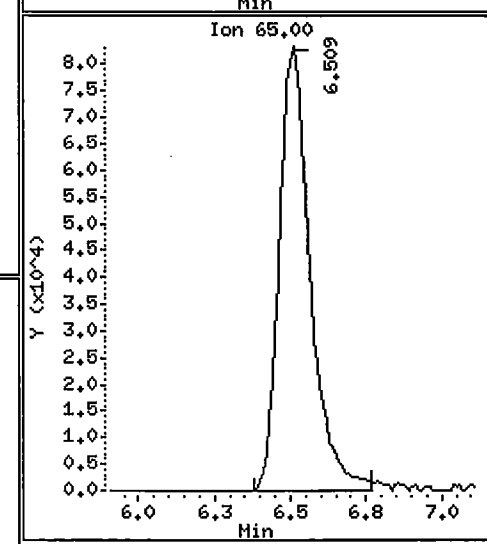












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12914.D

Date : 11-OCT-2000 10:29

Client ID: D12914

Instrument: md.i

Sample Info: DLFJA101,,2,,0,1,0,8260BDA.M,D12914

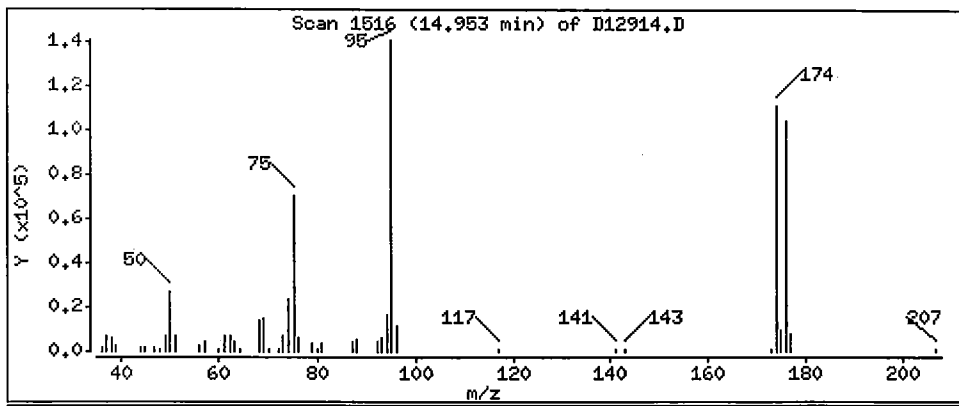
Operator: GFB

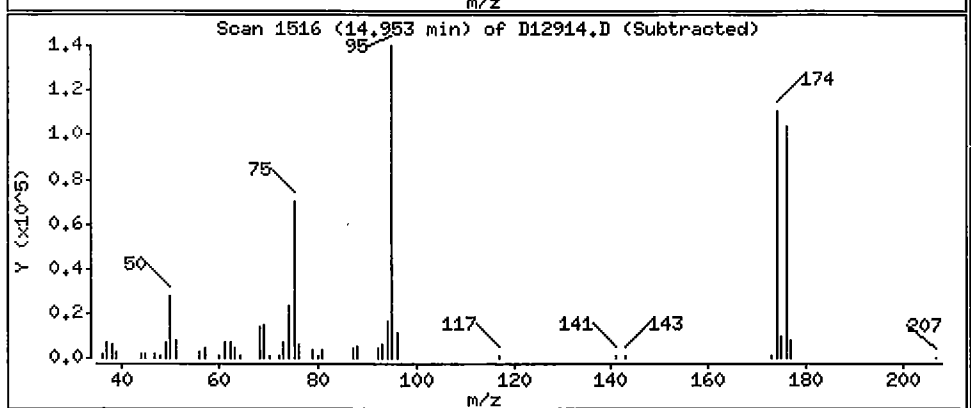
Column phase: J&W DB-624

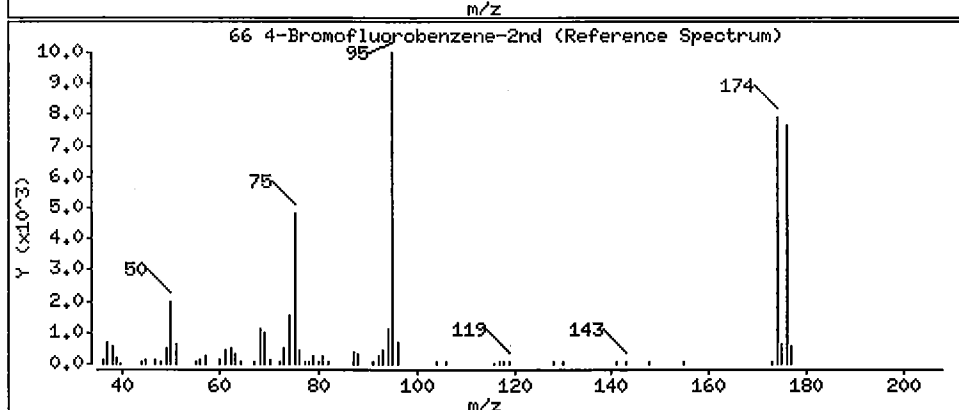
Column diameter: 0.53

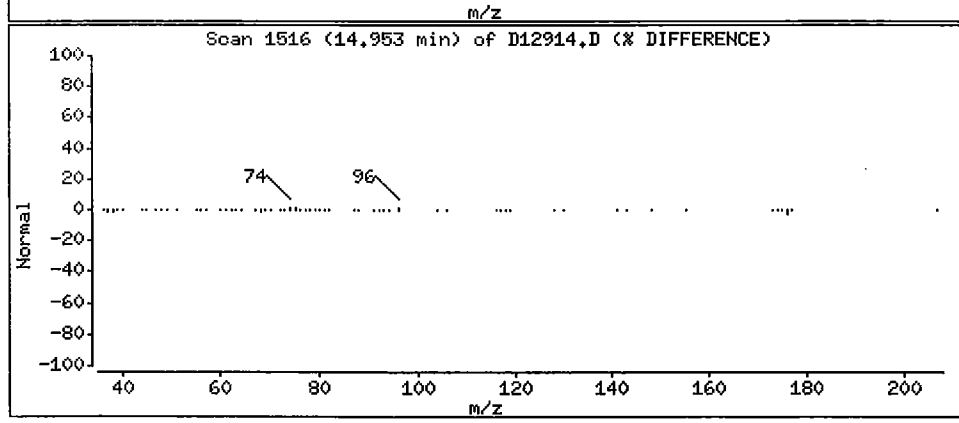
66 4-Bromofluorobenzene-2nd

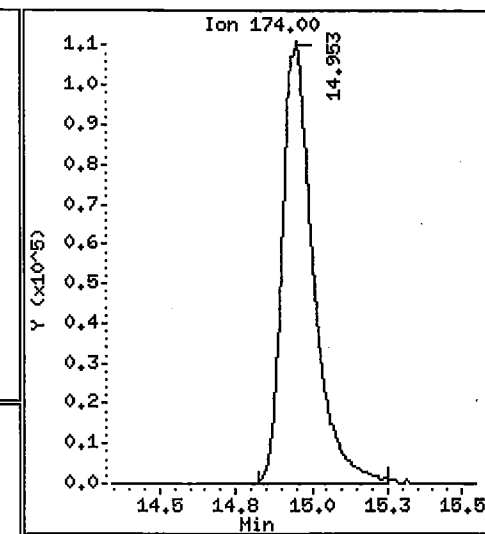
Concentration: 46.06 ug/Kg

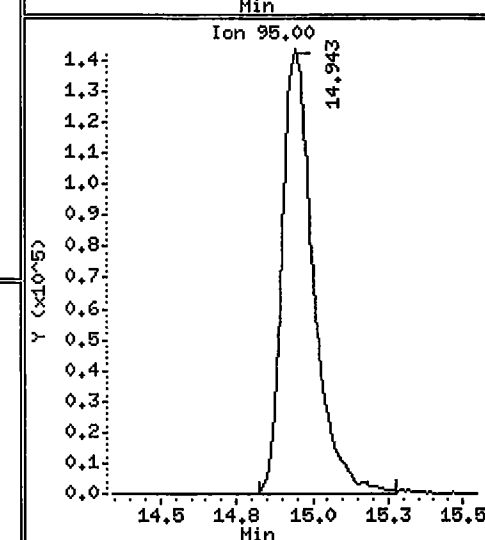


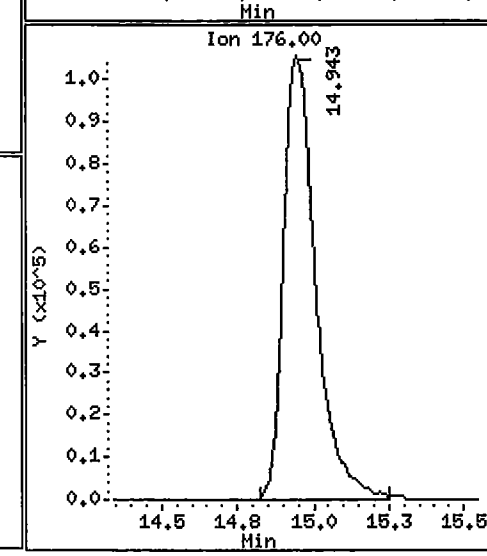












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12914.D

Date : 11-OCT-2000 10:29

Client ID: D12914

Instrument: md.i

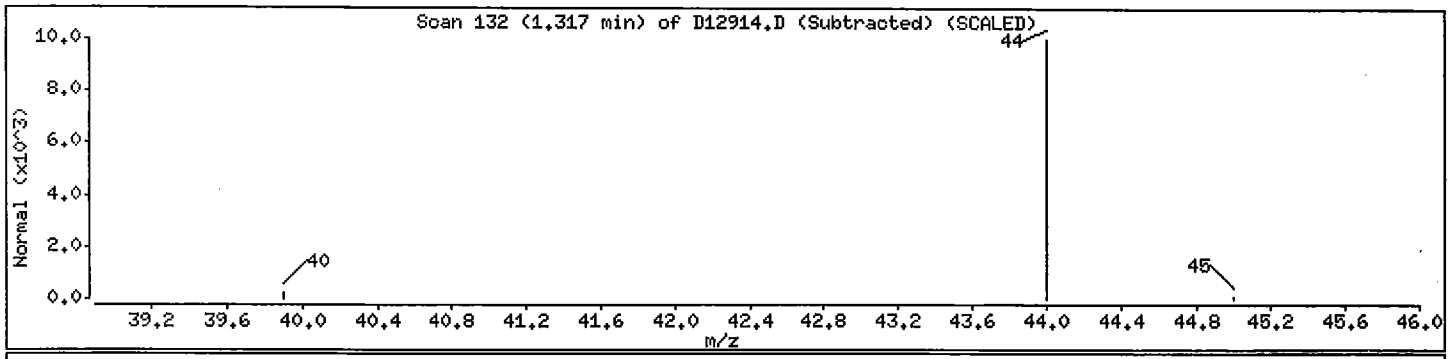
Sample Info: DLFJA101,,2,,0,1,0,8260BDA.M,D12914

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\1011AD.B\D12915.D
Lab Smp Id: DLFJD101 Client Smp ID: D12915
Inj Date : 11-OCT-2000 11:01
Operator : GFB Inst ID: md.i
Smp Info : DLFJD101,,2,,0,1,0,8260BDA.M,D12915
Misc Info : 150-13,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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)	
$ 29 Dibromofluoromethane	111	5.977	5.967	(0.843)	818587	48.2699	48.27	
$ 33 1,2-Dichloroethane-d4	65	6.509	6.509	(0.918)	483544	42.2430	42.24	
34 1,2-Dichloroethane-d4 2nd	102	6.509	6.509	(0.918)	99721	43.1813	43.18	
* 38 Fluorobenzene	96	7.090	7.090	(1.000)	1192255	50.0000		
$ 47 Toluene-d8	98	9.918	9.908	(0.787)	1159949	48.5189	48.52	
* 56 Chlorobenzene-d5	117	12.608	12.607	(1.000)	1032720	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.953	14.942	(0.866)	693776	48.2161	48.22	
$ 67 4-Bromofluorobenzene	95	14.953	14.932	(0.866)	909092	47.3373	47.34	
* 79 1,4-Dichlorobenzene-d4	152	17.258	17.257	(1.000)	722626	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\1011AD.B\D12915.D
Lab Smp Id: DLFJD101 Client Smp ID: D12915
Inj Date : 11-OCT-2000 11:01
Operator : GFB Inst ID: md.i
Smp Info : DLFJD101,,2,,0,1,0,8260BDA.M,D12915
Misc Info : 150-13,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.090	2739135	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.317	385874	7.04371151	7.04	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJD101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12915
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	1.317	7.04	J

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12915.D

Date : 11-OCT-2000 11:01

Client ID: D12915

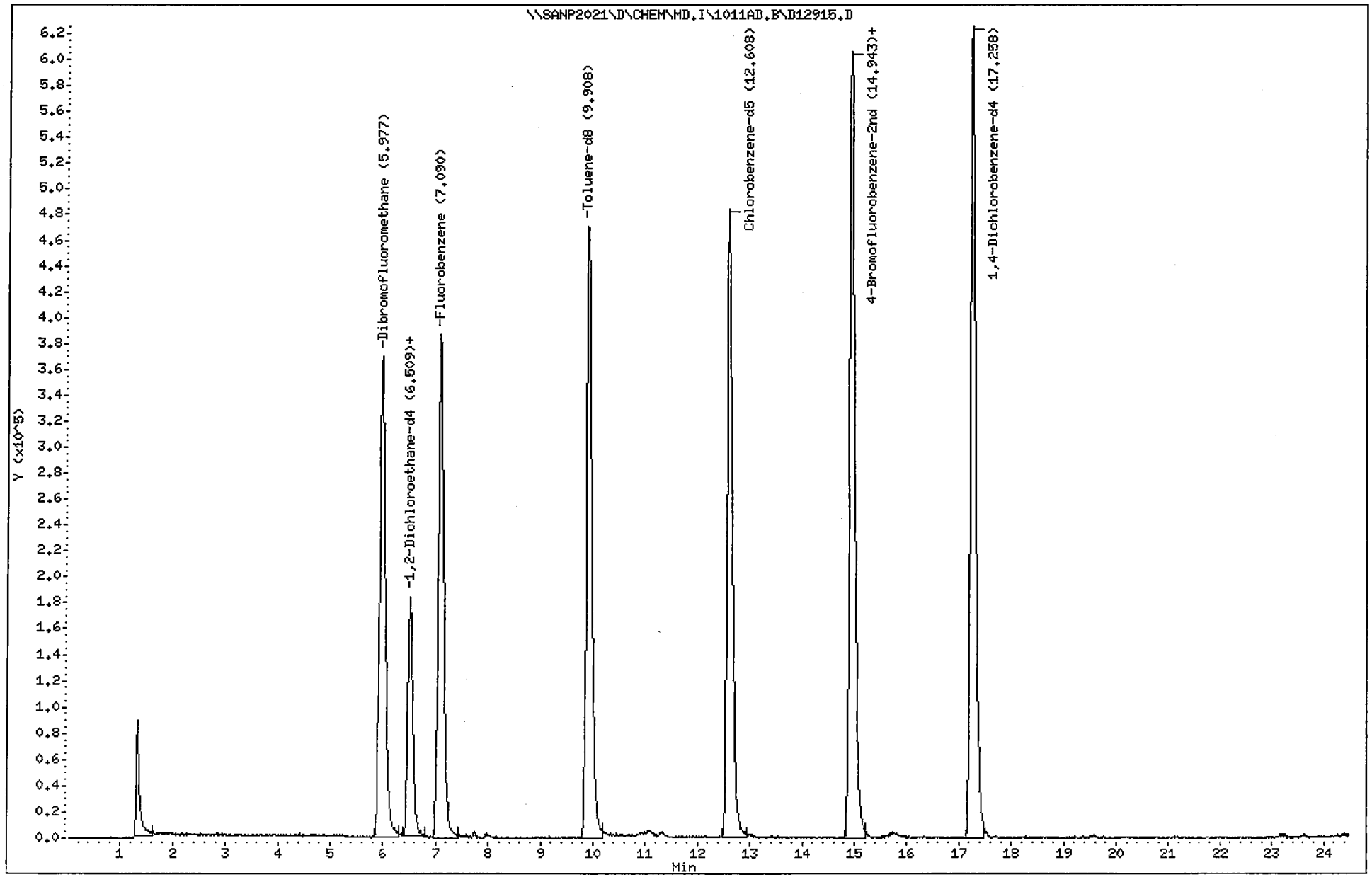
Sample Info: DLFJD101,,2,,0,1,0,8260BDA.M,D12915

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000551

BOE-C6-0147626

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12915.D

Date : 11-OCT-2000 11:01

Client ID: D12915

Instrument: md.i

Sample Info: DLFJD101,,2,,0,1,0,8260BDA.M,D12915

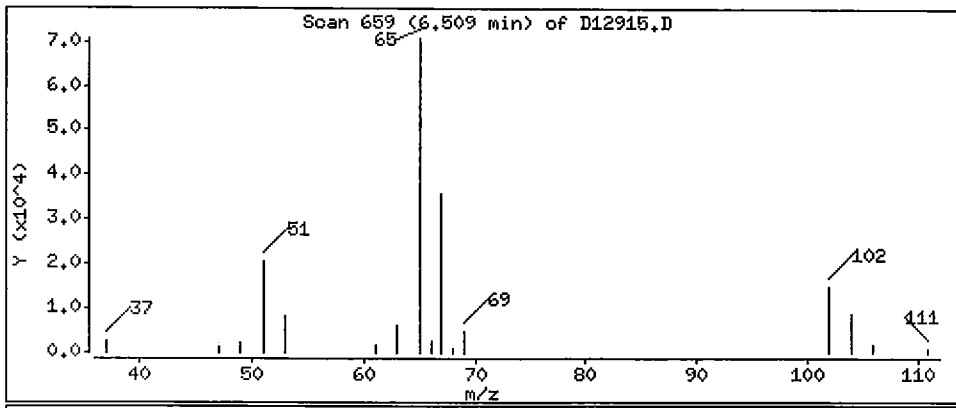
Operator: GFB

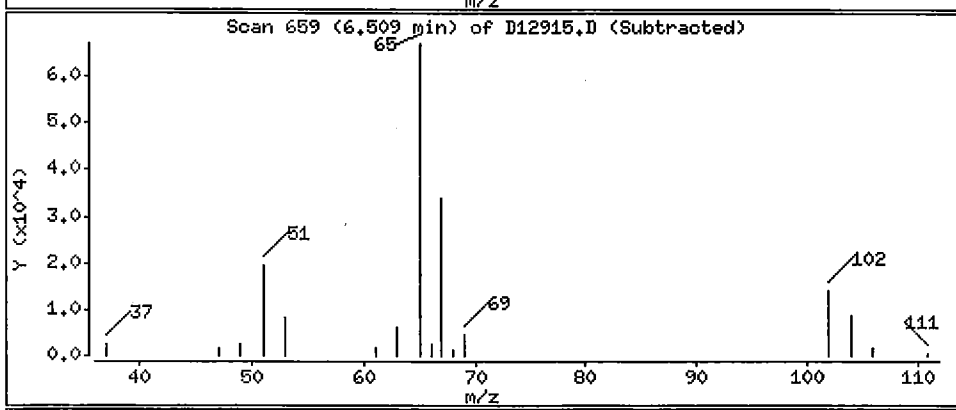
Column phase: J&W DB-624

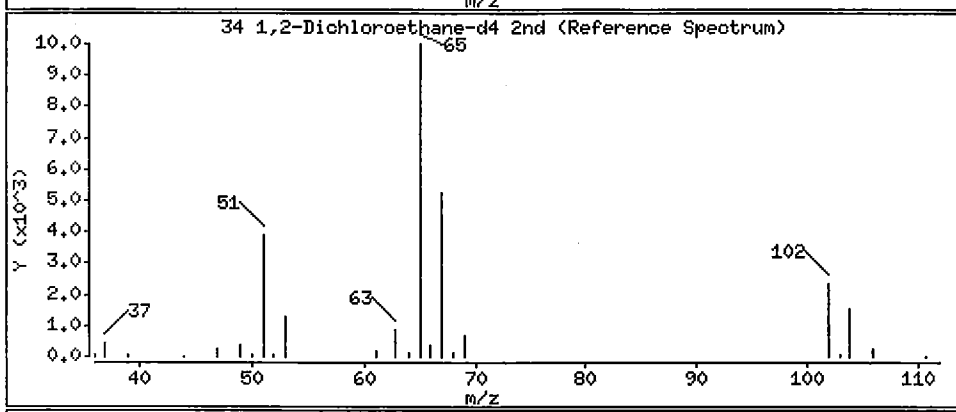
Column diameter: 0.53

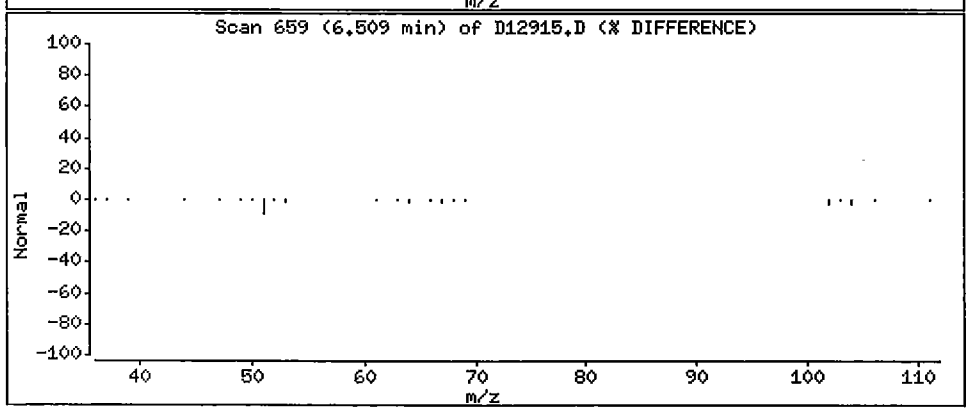
34 1,2-Dichloroethane-d4 2nd

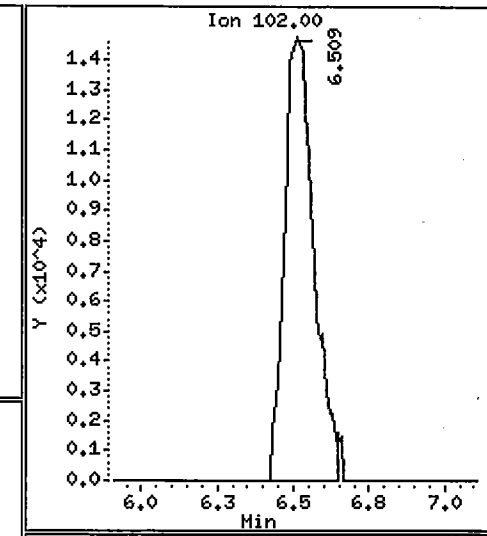
Concentration: 43.18 ug/Kg

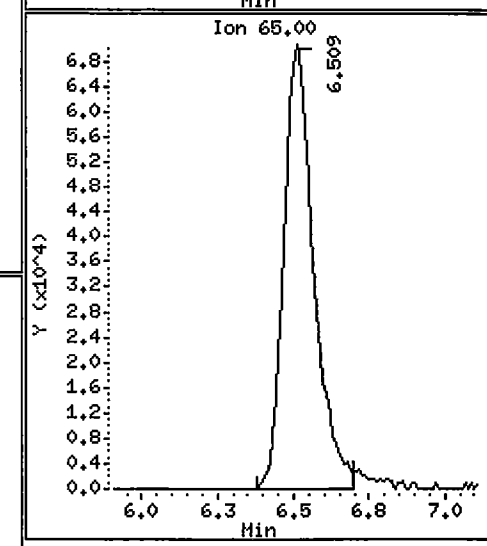












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12915.D

Date : 11-OCT-2000 11:01

Client ID: D12915

Instrument: md.i

Sample Info: DLFJD101,,2,,0,1,0,8260BDA.M,D12915

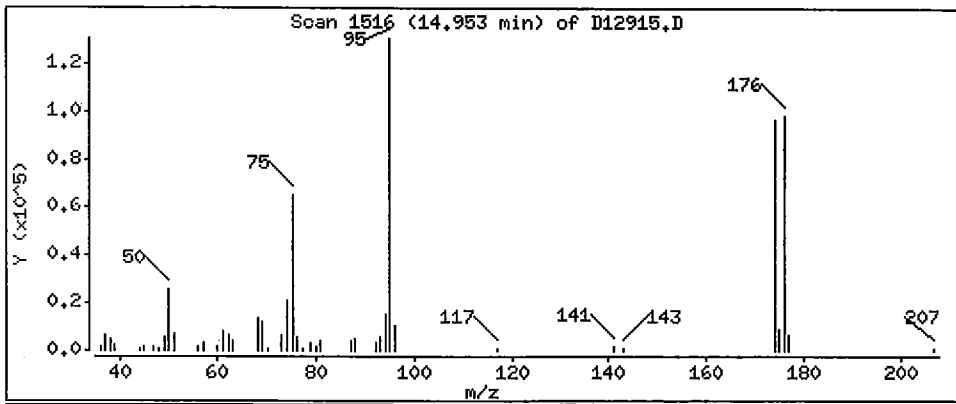
Operator: GFB

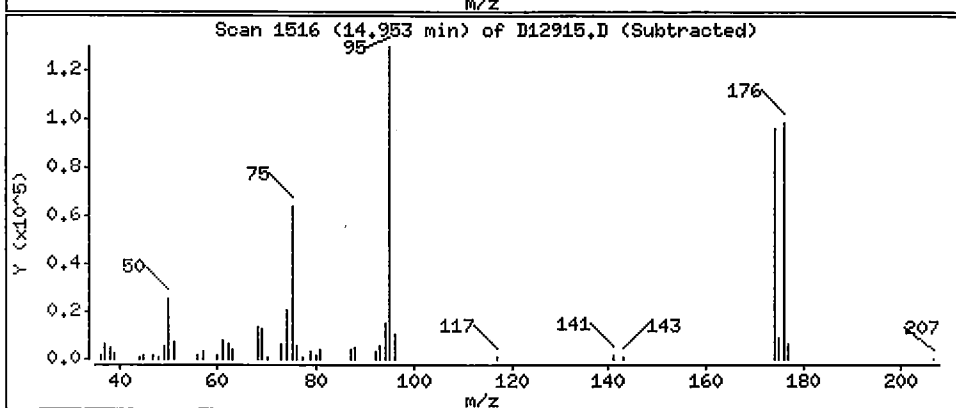
Column phase: J&W DB-624

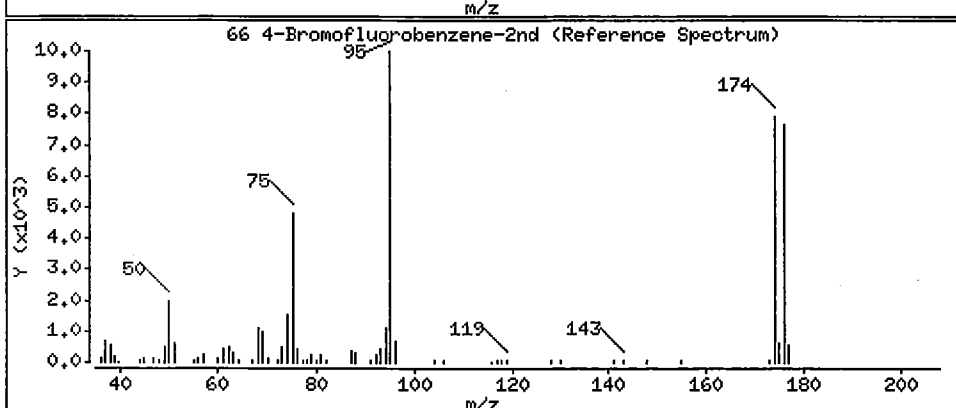
Column diameter: 0.53

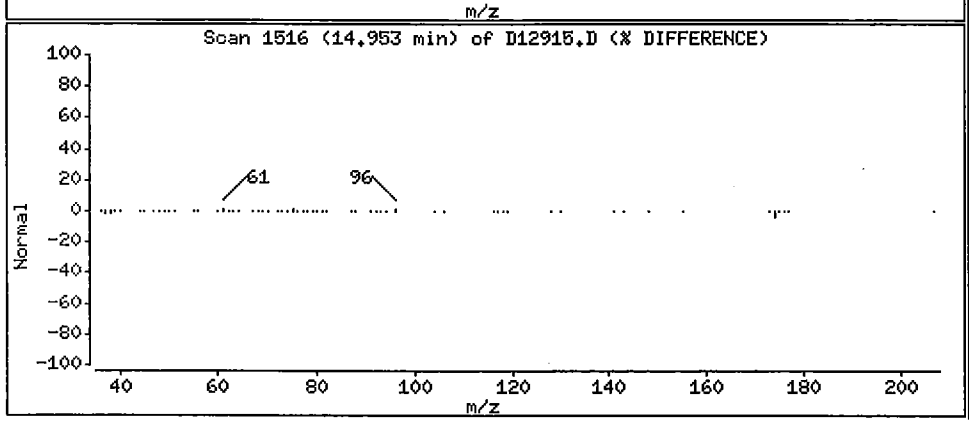
66 4-Bromofluorobenzene-2nd

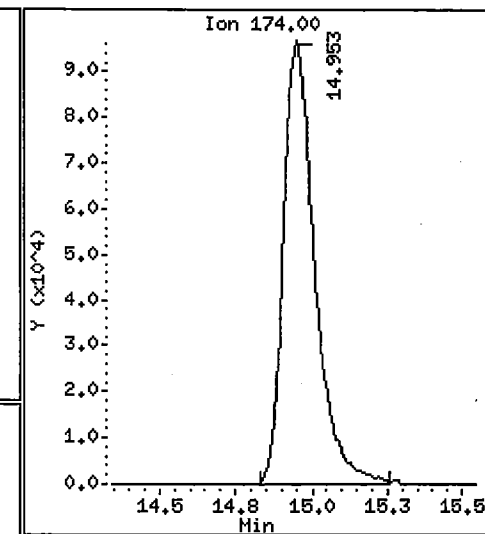
Concentration: 48.22 ug/Kg

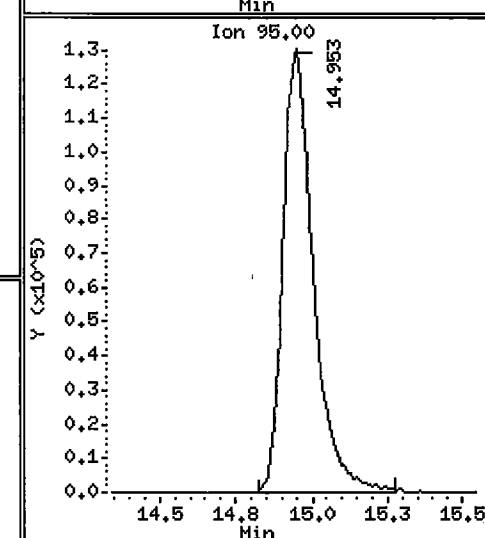


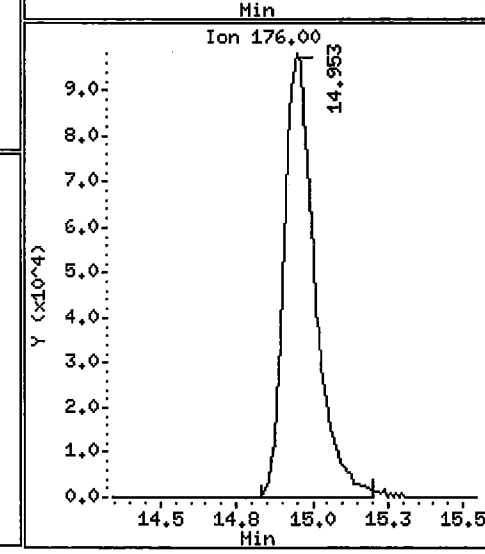












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12915.D

Date : 11-OCT-2000 11:01

Client ID: D12915

Instrument: md.i

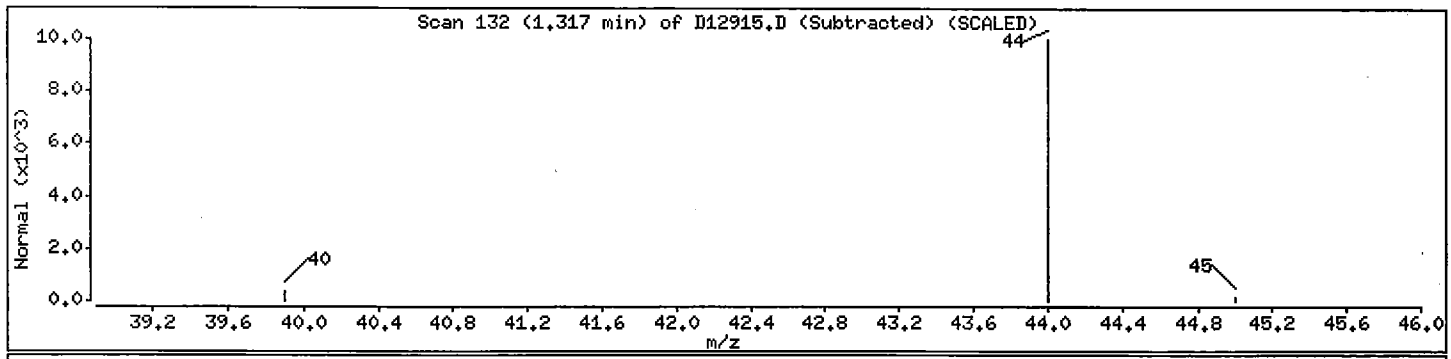
Sample Info: DLFJD101,,2,,0,1,0,8260BDA.M,D12915

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

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



02

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1011AD.B\D12916.D
Lab Smp Id: DLFJG101 Client Smp ID: D12916
Inj Date : 11-OCT-2000 11:32
Operator : GFB Inst ID: md.i
Smp Info : DLFJG101,,2,,0,1,0,8260BDA.M,D12916
Misc Info : 150-14,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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)	
$ 29 Dibromofluoromethane	111	5.969	5.967	(0.843)	888571	48.6058	48.60	
$ 33 1,2-Dichloroethane-d4	65	6.501	6.509	(0.918)	550819	44.6388	44.64	
34 1,2-Dichloroethane-d4 2nd	102	6.511	6.509	(0.919)	113938	45.7681	45.77	
* 38 Fluorobenzene	96	7.082	7.090	(1.000)	1285242	50.0000		
$ 47 Toluene-d8	98	9.900	9.908	(0.785)	1190201	44.3024	44.30	
* 56 Chlorobenzene-d5	117	12.610	12.607	(1.000)	1160508	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.945	14.942	(0.866)	759163	45.7592	45.76	
$ 67 4-Bromofluorobenzene	95	14.935	14.932	(0.866)	981416	44.3220	44.32	
* 79 1,4-Dichlorobenzene-d4	152	17.250	17.257	(1.000)	833188	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\1011AD.B\D12916.D
Lab Smp Id: DLFJG101 Client Smp ID: D12916
Inj Date : 11-OCT-2000 11:32
Operator : GFB Inst ID: md.i
Smp Info : DLFJG101,,2,,0,1,0,8260BDA.M,D12916
Misc Info : 150-14,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.082	3000471	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.319	464802	7.74548747	7.74	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJG101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12916
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

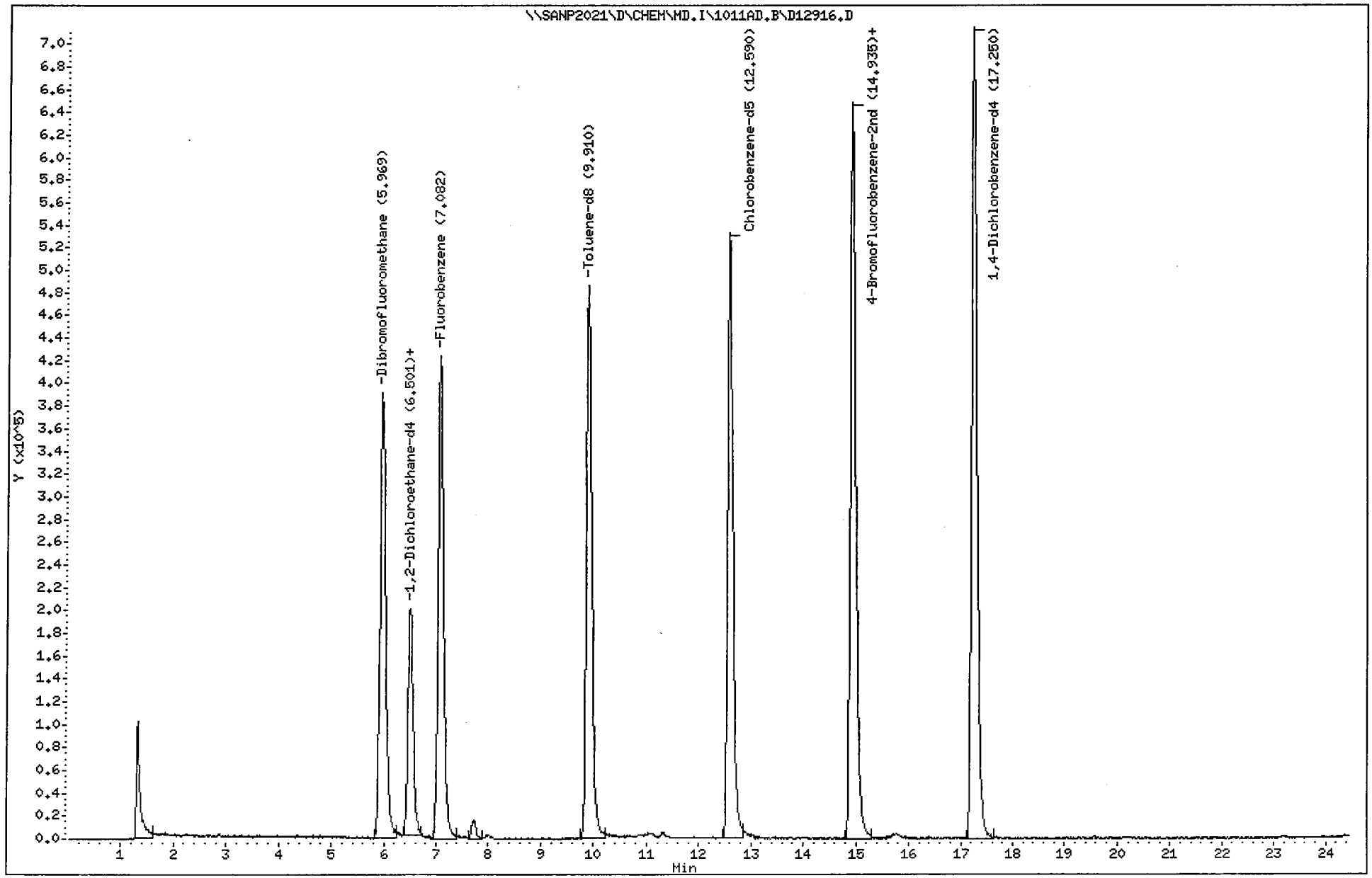
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown UOV	1.319	7.74	J

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12916.D
Date : 11-OCT-2000 11:32
Client ID: D12916
Sample Info: DLFJG101,,2,,0,1,0,8260BDA.M,D12916

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



000558

BOE-C6-0147633

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12916.D

Date : 11-OCT-2000 11:32

Client ID: D12916

Instrument: md.i

Sample Info: DLFJG101,,2,,0,1,0,8260BDA,M,D12916

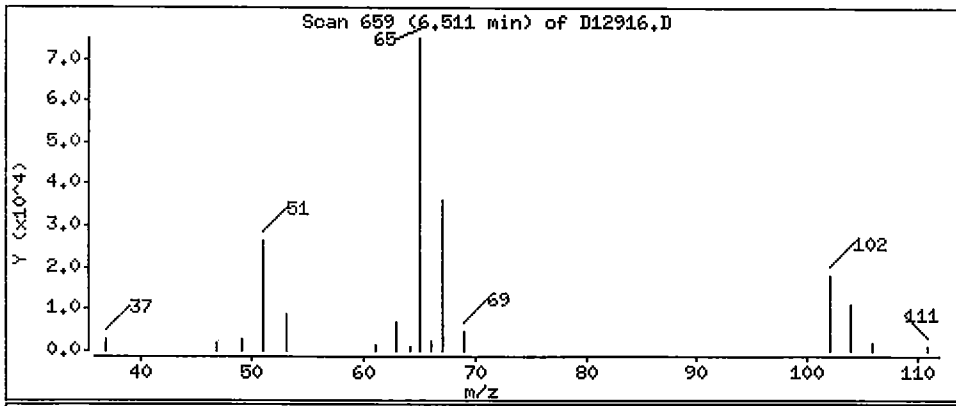
Operator: GFB

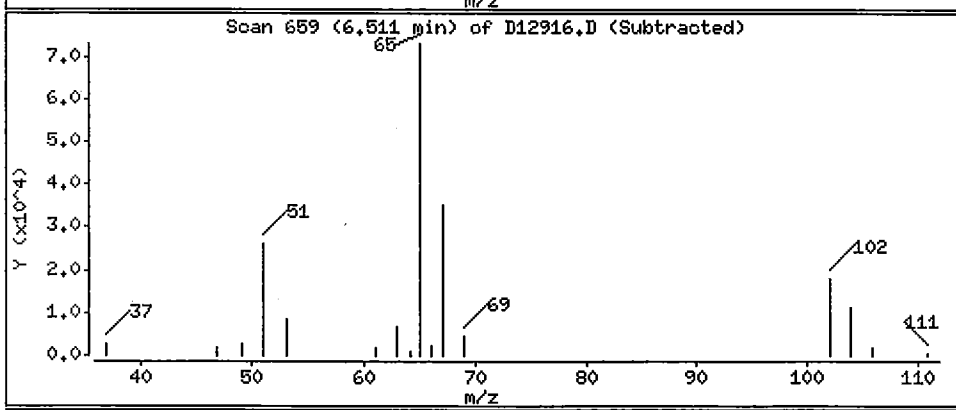
Column phase: J&W DB-624

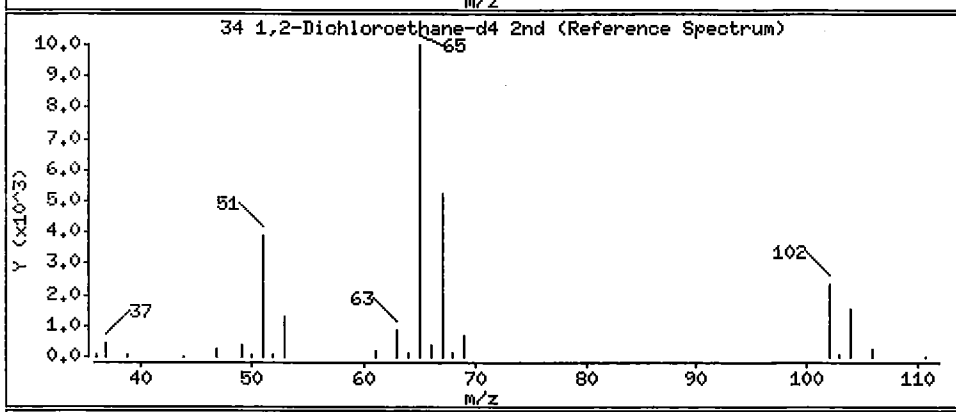
Column diameter: 0.53

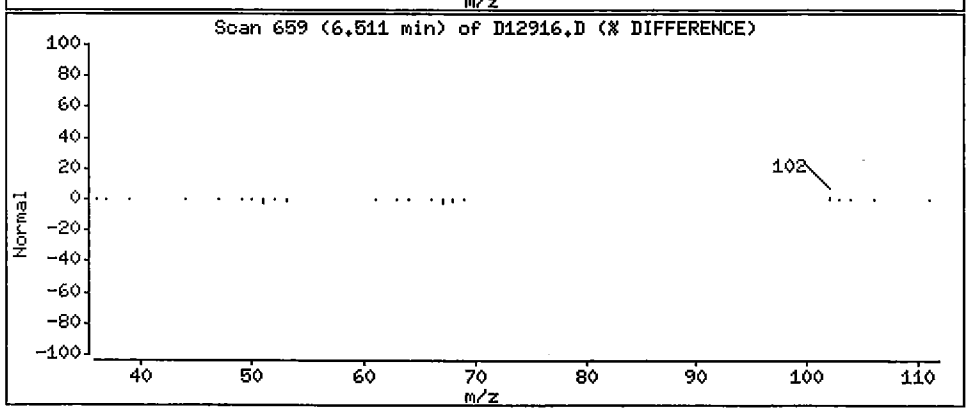
34 1,2-Dichloroethane-d4 2nd

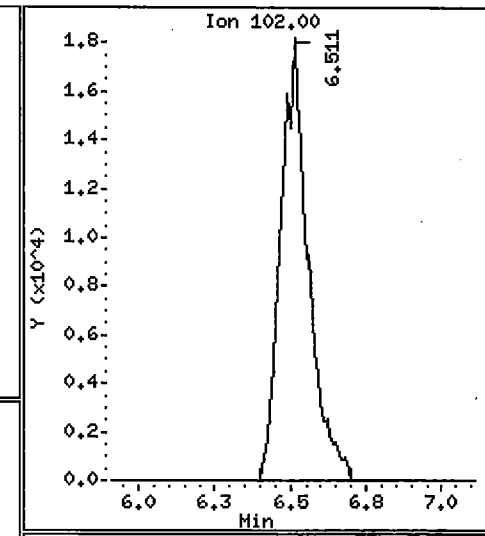
Concentration: 45.77 ug/Kg

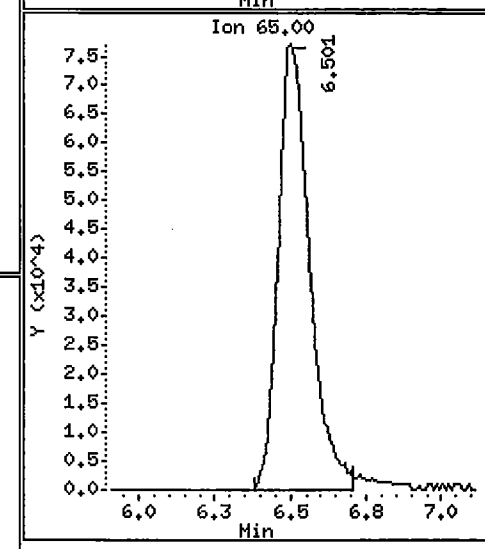












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12916.D

Date : 11-OCT-2000 11:32

Client ID: D12916

Instrument: md.i

Sample Info: DLFJG101,,2,,0,1,0,8260BDA.M,D12916

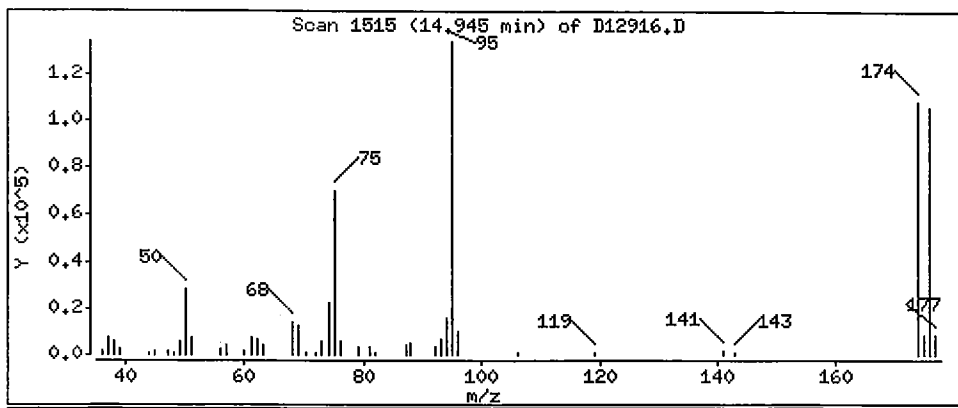
Operator: GFB

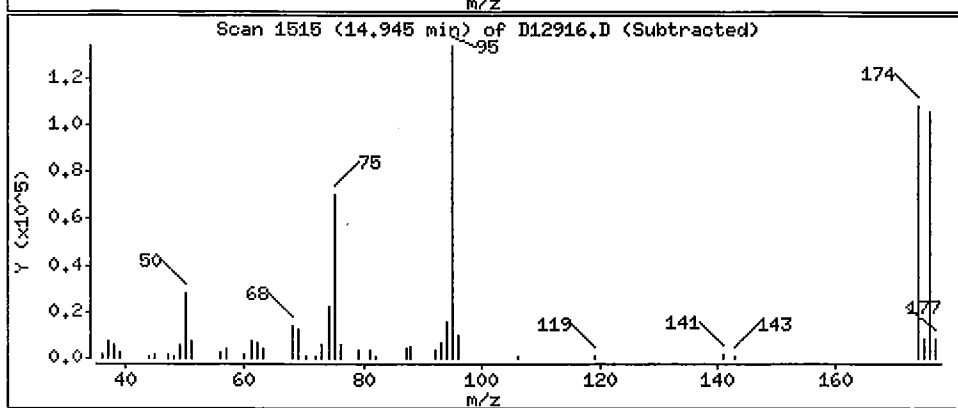
Column phase: J&W DB-624

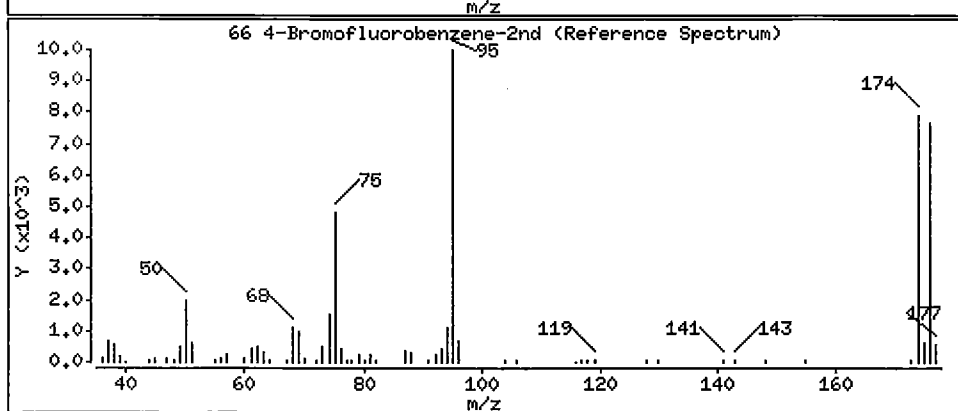
Column diameter: 0.53

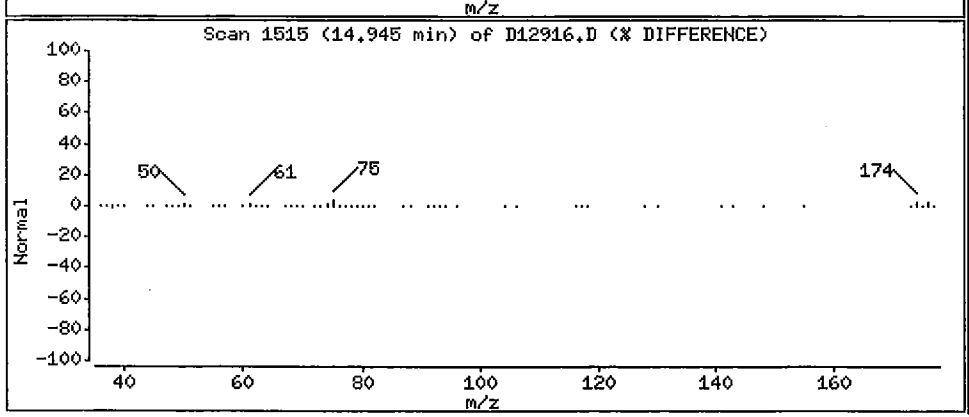
66 4-Bromofluorobenzene-2nd

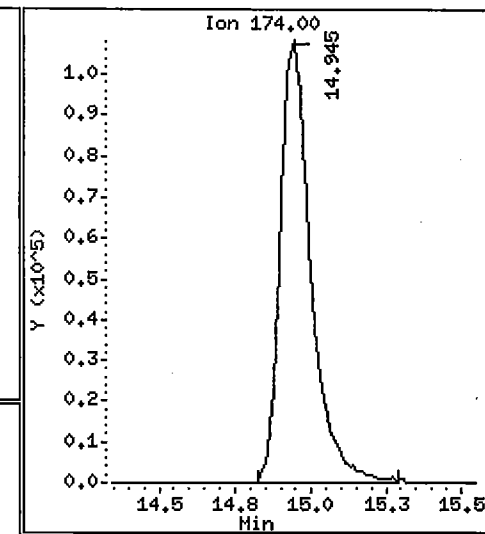
Concentration: 45.76 ug/Kg

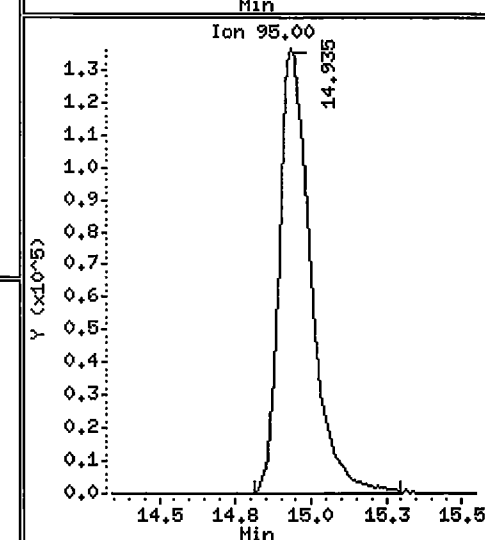


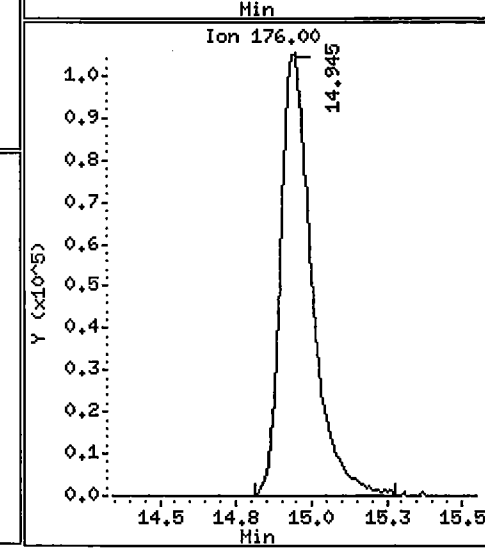












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12916.D

Date : 11-OCT-2000 11:32

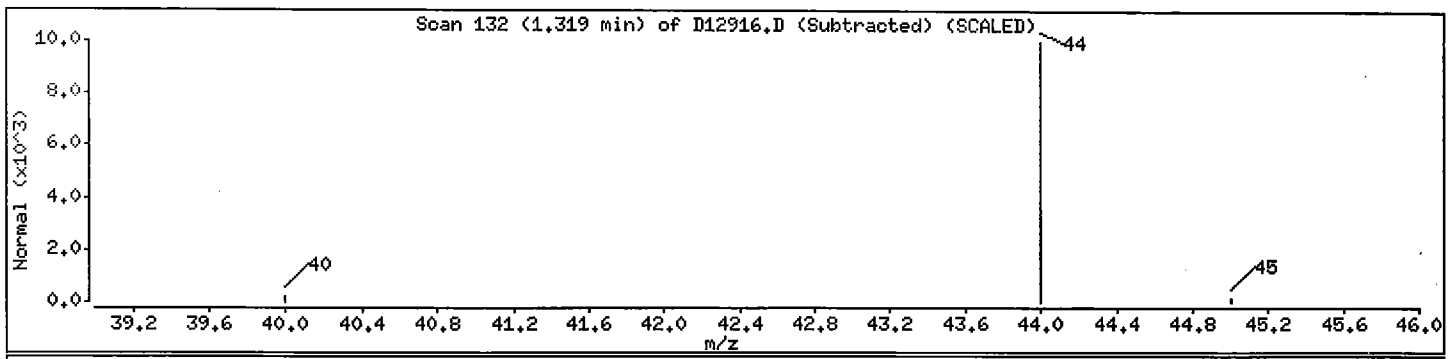
Client ID: D12916 Instrument: md.i

Sample Info: DLFJG101,,2,,0,1,0,8260BDA.M,D12916

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\1011AD.B\D12917.D
Lab Smp Id: DLFJK101 Client Smp ID: D12917
Inj Date : 11-OCT-2000 12:04
Operator : GFB Inst ID: md.i
Smp Info : DLFJK101,,2,,0,1,0,8260BDA.M,D12917
Misc Info : 150-15,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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)
$ 29 Dibromofluoromethane	111	5.958	5.967	(0.841)	859313	48.7137	48.71
$ 33 1,2-Dichloroethane-d4	65	6.510	6.509	(0.919)	545237	45.7923	45.79
34 1,2-Dichloroethane-d4 2nd	102	6.510	6.509	(0.919)	109632	45.6387	45.64
* 38 Fluorobenzene	96	7.081	7.090	(1.000)	1240171	50.0000	
39 Trichloroethene	130	7.722	7.730	(1.090)	37424	3.22878	3.23(a)
$ 47 Toluene-d8	98	9.909	9.908	(0.787)	1158272	45.0307	45.03
* 56 Chlorobenzene-d5	117	12.598	12.607	(1.000)	1111110	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.943	14.942	(0.866)	731207	46.3678	46.37
$ 67 4-Bromofluorobenzene	95	14.943	14.932	(0.866)	943135	44.8098	44.81
* 79 1,4-Dichlorobenzene-d4	152	17.259	17.257	(1.000)	791972	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\1011AD.B\D12917.D
Lab Smp Id: DLFJK101 Client Smp ID: D12917
Inj Date : 11-OCT-2000 12:04
Operator : GFB Inst ID: md.i
Smp Info : DLFJK101,,2,,0,1,0,8260BDA.M,D12917
Misc Info : 150-15,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.081	2904736	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.318	448341	7.71741958	7.72	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJK101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12917
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

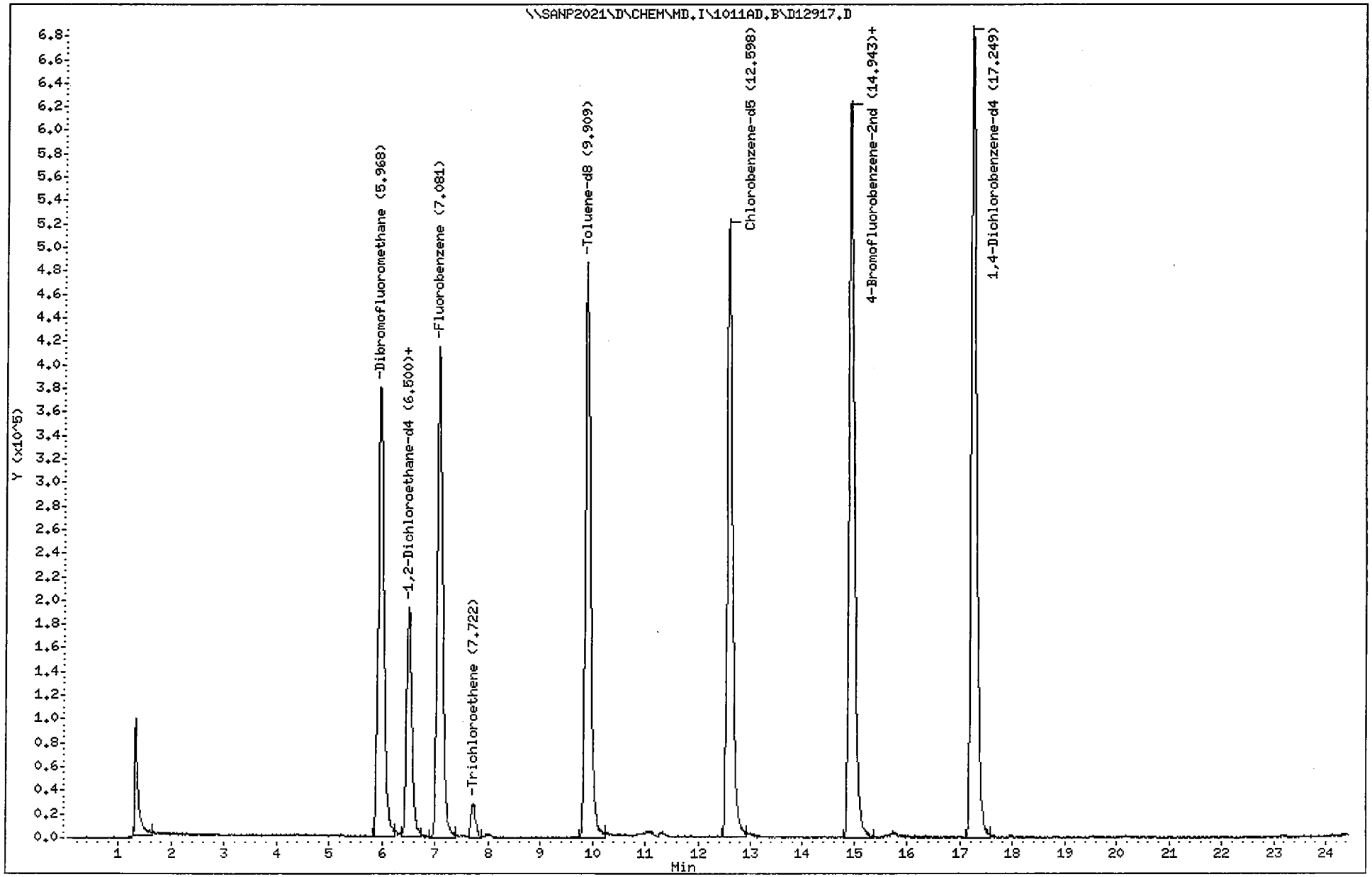
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.318	7.72	J

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12917.D
Date : 11-OCT-2000 12:04
Client ID: D12917
Sample Info: DLFJK101,,2,,0,1,0,8260BDA.M,D12917

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



000566

BOE-C6-0147641

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12917.D

Date : 11-OCT-2000 12:04

Client ID: D12917

Instrument: md.i

Sample Info: DLFJK101,,2,,0,1,0,8260BDA.M,D12917

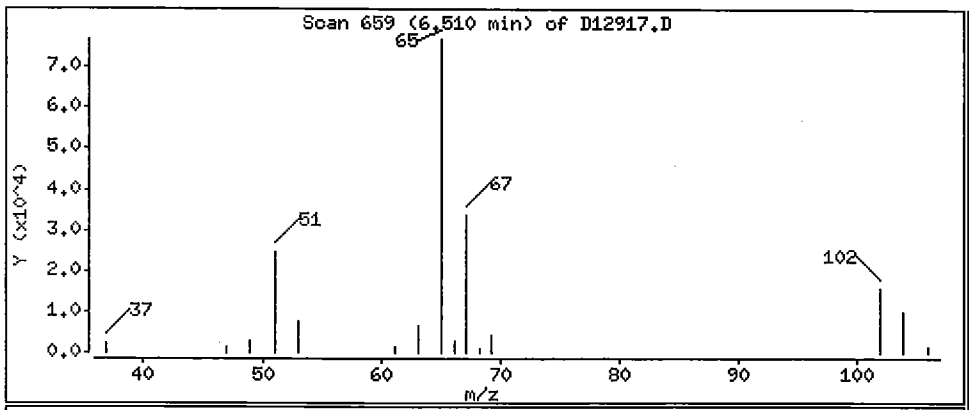
Operator: GFB

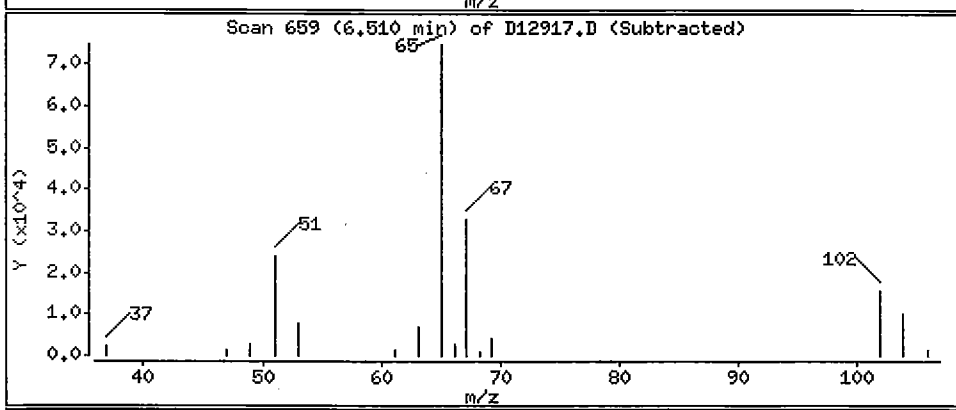
Column phase: J&W DB-624

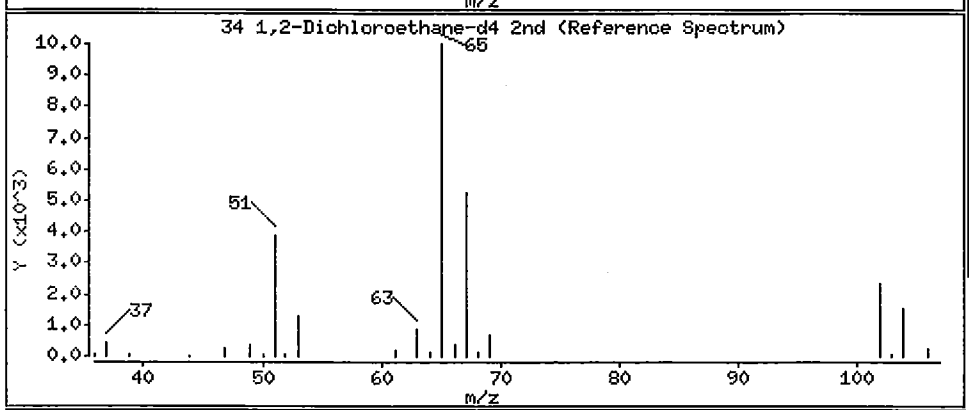
Column diameter: 0.53

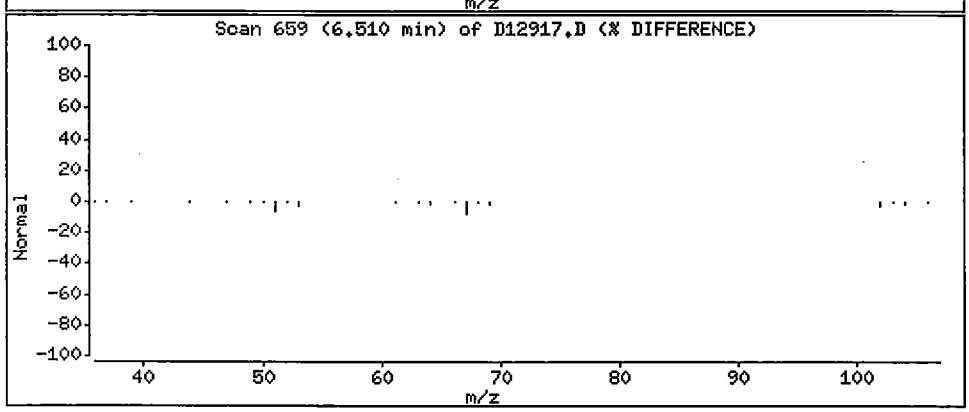
34 1,2-Dichloroethane-d4 2nd

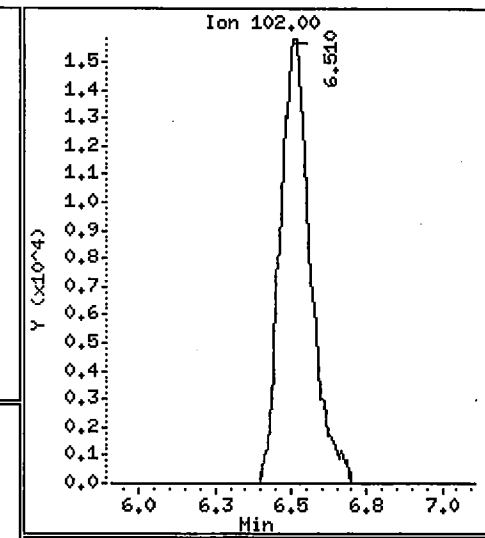
Concentration: 45.64 ug/Kg

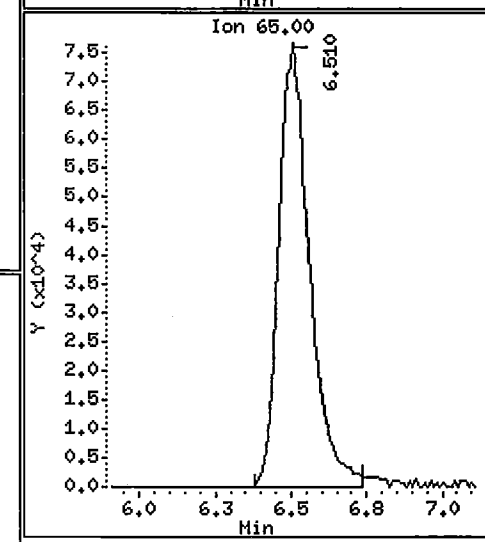












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12917.D

Date : 11-OCT-2000 12:04

Client ID: D12917

Instrument: md.i

Sample Info: DLFJK101,,2,,0,1,0,8260BDA.M,D12917

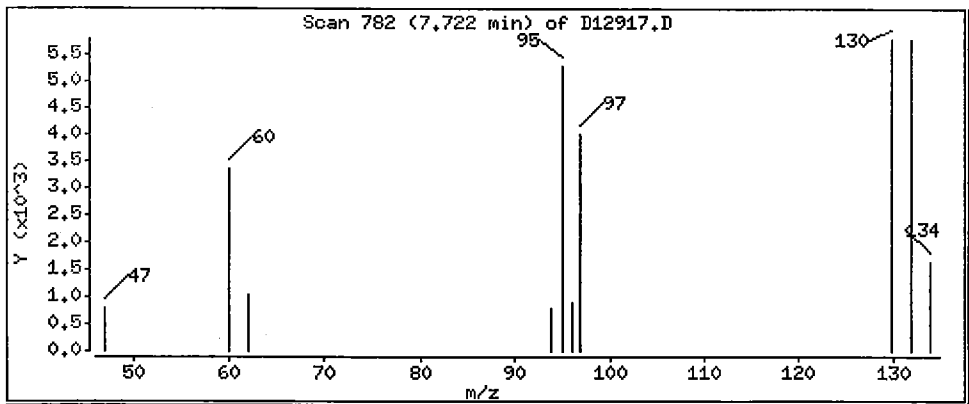
Operator: GFB

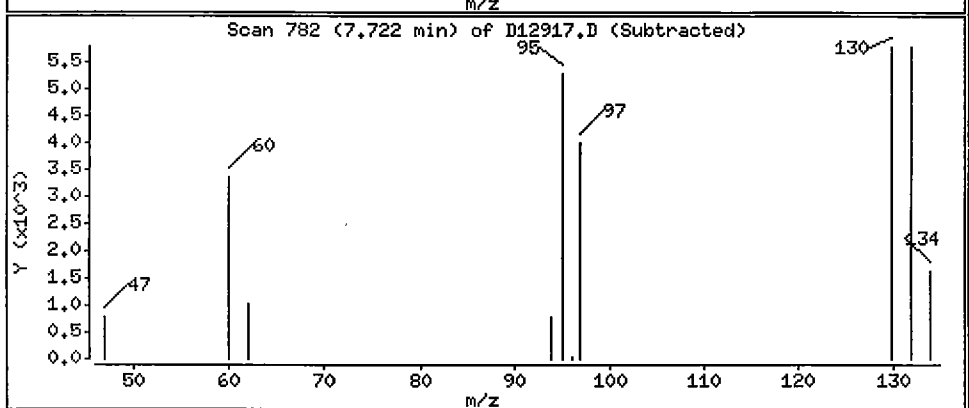
Column phase: J&W DB-624

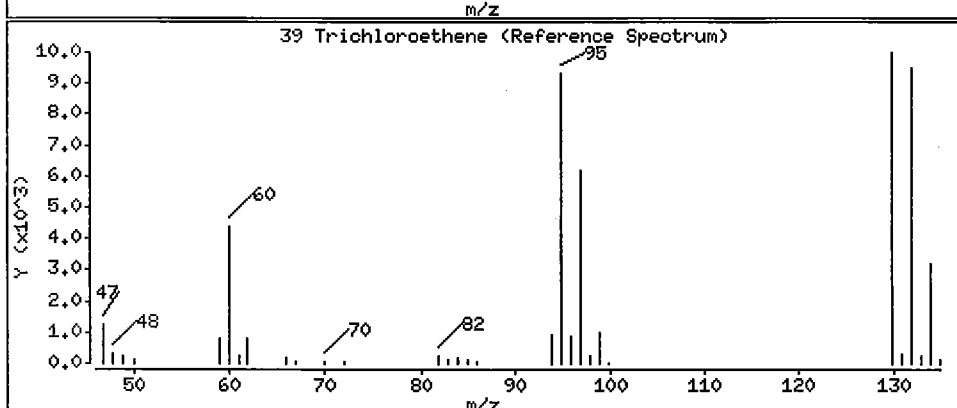
Column diameter: 0.53

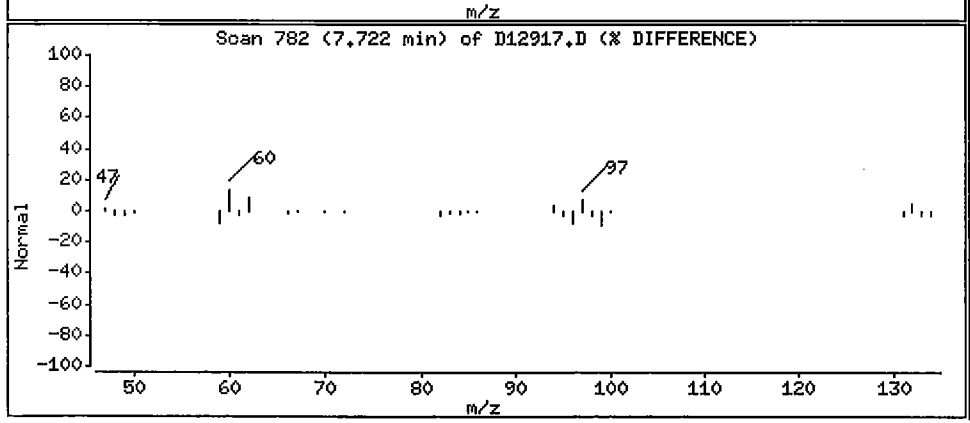
39 Trichloroethene

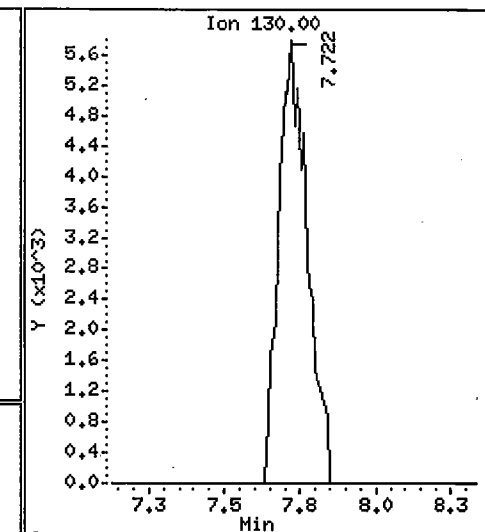
Concentration: 3.23 ug/Kg

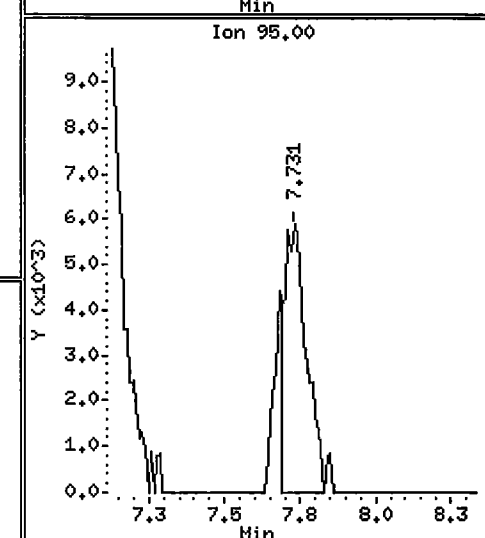


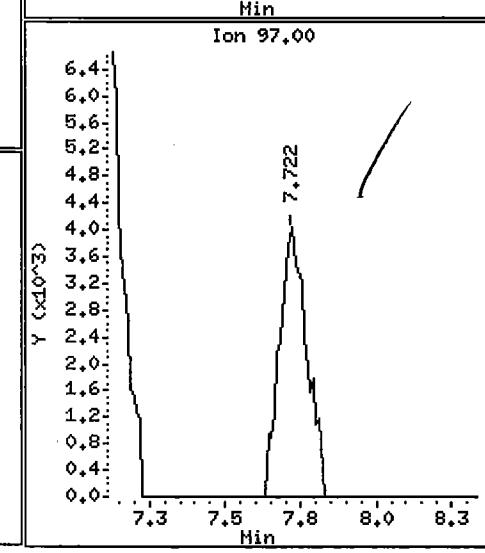












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12917.D

Date : 11-OCT-2000 12:04

Client ID: D12917

Instrument: md.i

Sample Info: DLFJK101,,2,,0,1,0,8260BDA.M,D12917

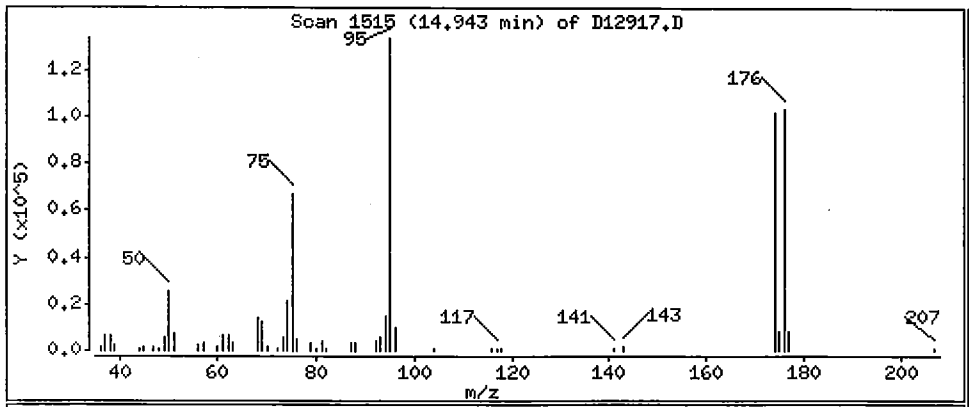
Operator: GFB

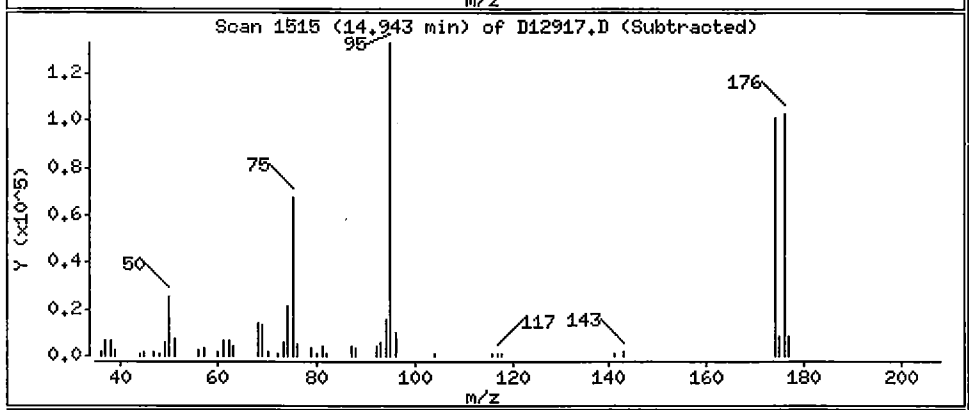
Column phase: J&W DB-624

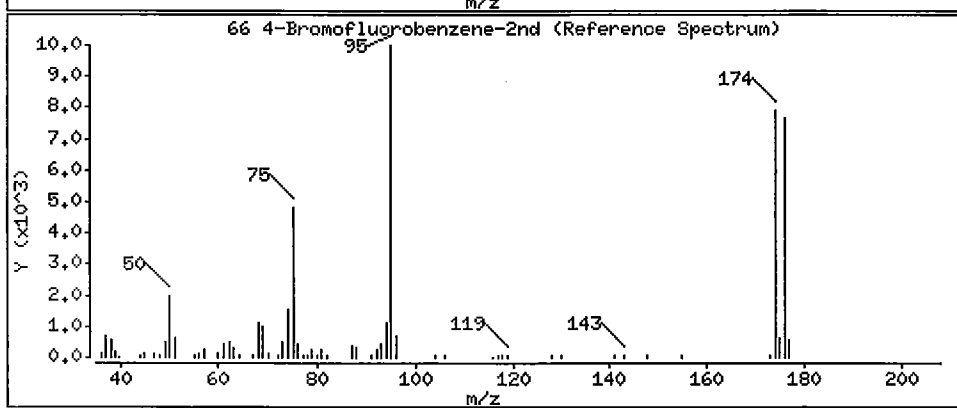
Column diameter: 0.53

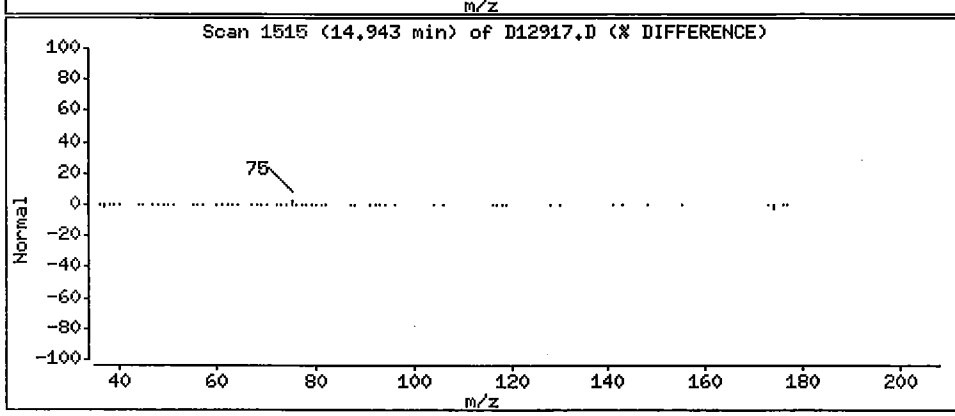
66 4-Bromofluorobenzene-2nd

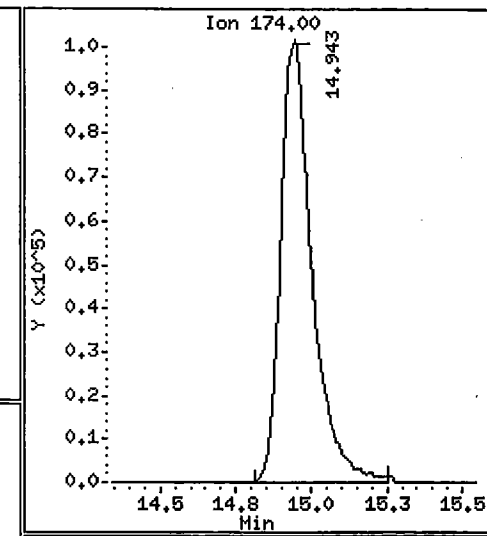
Concentration: 46.37 ug/Kg

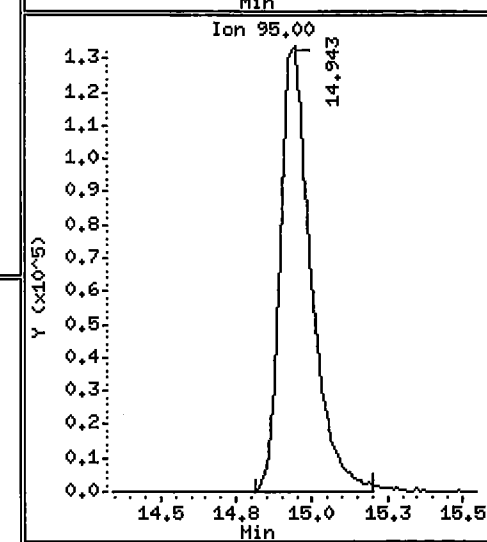


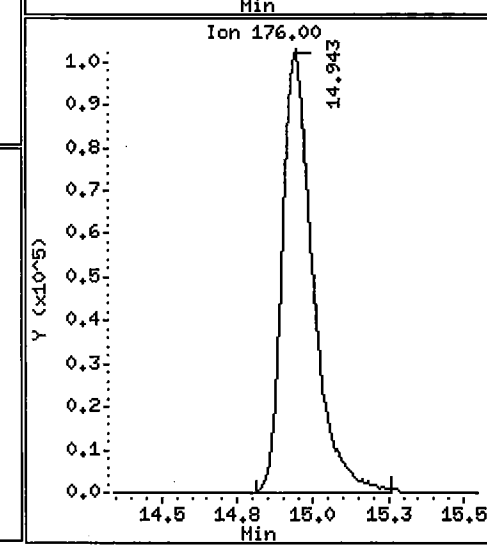












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12917.D

Date : 11-OCT-2000 12:04

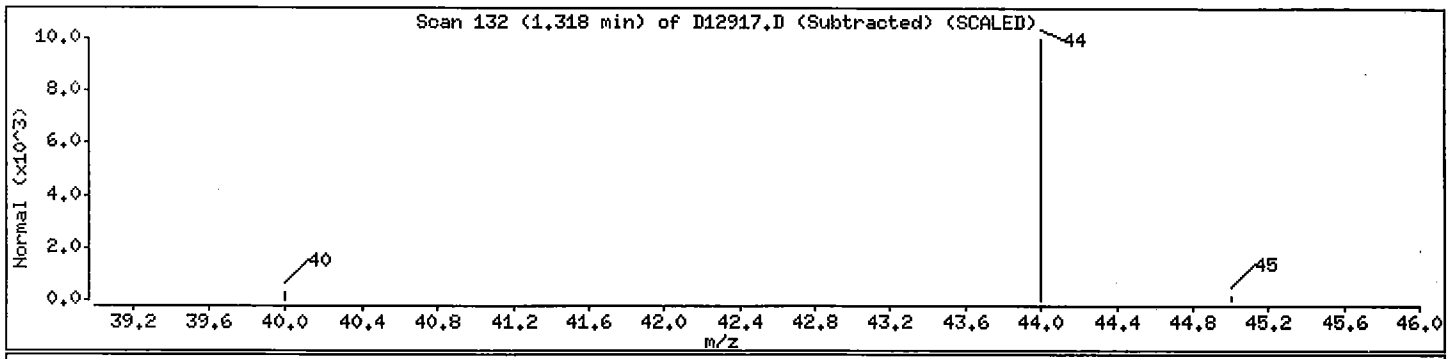
Client ID: D12917 Instrument: md.i

Sample Info: DLFJK101,,2,,0,1,0,8260BDA.M,D12917

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\1011AD.B\D12918.D
Lab Smp Id: DLFJN101 Client Smp ID: D12918
Inj Date : 11-OCT-2000 12:35
Operator : GFB Inst ID: md.i
Smp Info : DLFJN101,,2,,0,1,0,8260BDA.M,D12918
Misc Info : 150-16,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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)	
$ 29 Dibromofluoromethane	111	5.960	5.967	(0.841)	858355	49.8668	49.87	
$ 33 1,2-Dichloroethane-d4	65	6.492	6.509	(0.917)	541620	46.6173	46.62	
34 1,2-Dichloroethane-d4 2nd	102	6.492	6.509	(0.917)	108492	46.2848	46.28	
* 38 Fluorobenzene	96	7.084	7.090	(1.000)	1210142	50.0000		
$ 47 Toluene-d8	98	9.911	9.908	(0.787)	1153381	47.1755	47.18	
* 56 Chlorobenzene-d5	117	12.601	12.607	(1.000)	1056114	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.936	14.942	(0.866)	741298	47.8844	47.88	
$ 67 4-Bromofluorobenzene	95	14.936	14.932	(0.866)	954437	46.1925	46.19	
* 79 1,4-Dichlorobenzene-d4	152	17.241	17.257	(1.000)	777472	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\1011AD.B\D12918.D
Lab Smp Id: DLFJN101 Client Smp ID: D12918
Inj Date : 11-OCT-2000 12:35
Operator : GFB Inst ID: md.i
Smp Info : DLFJN101,,2,,0,1,0,8260BDA.M,D12918
Misc Info : 150-16,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.084	2781867	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.320	416449	7.48506054	7.48	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJN101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12918
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	1.320	7.48	J

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12918.D

Date : 11-OCT-2000 12:35

Client ID: D12918

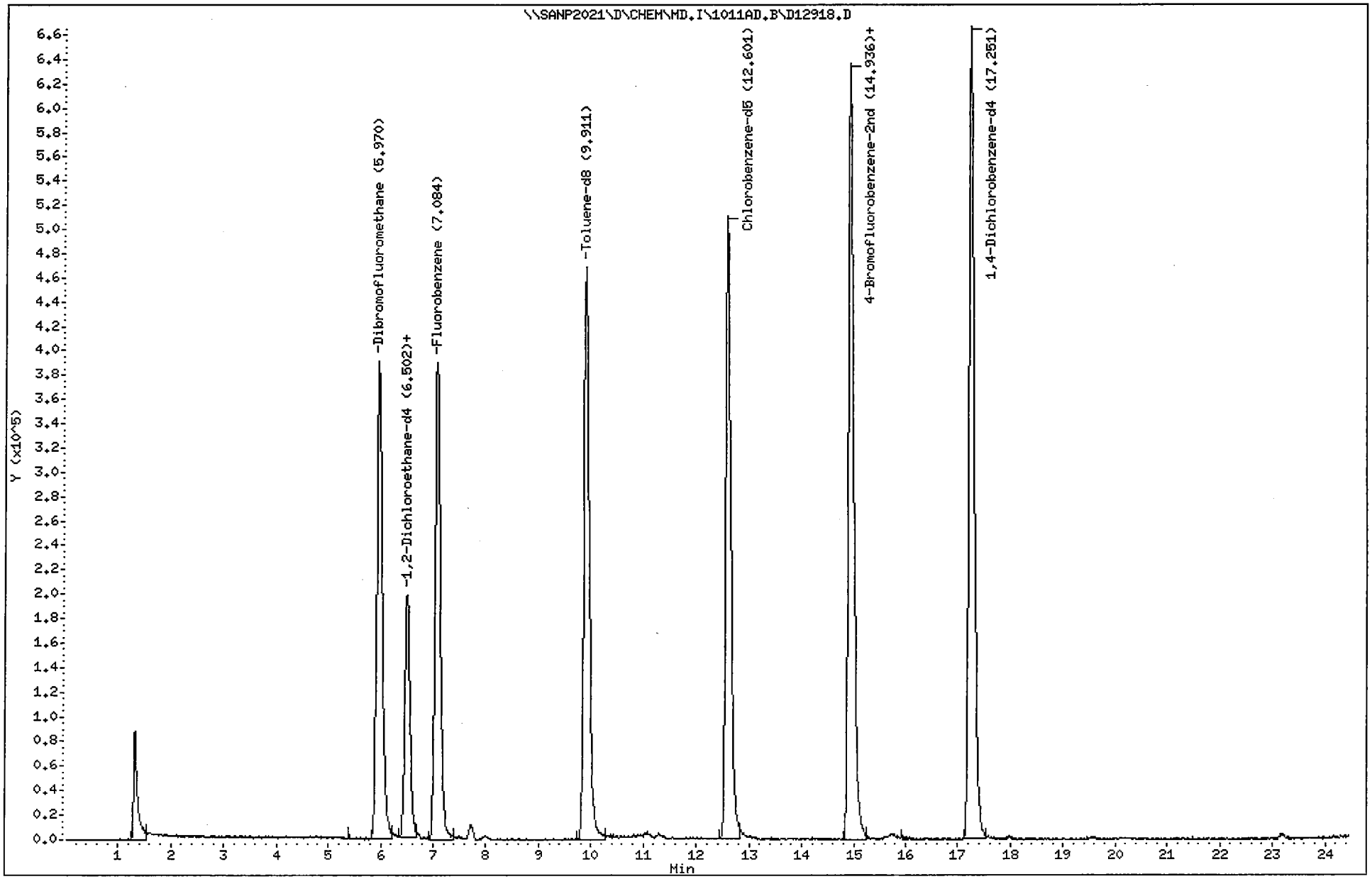
Sample Info: DLFJN101,,2,,0,1,0,8260BDA.M,D12918

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



BOE-C6-0147649

000574

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12918.D

Date : 11-OCT-2000 12:35

Client ID: D12918

Instrument: md.i

Sample Info: DLFJN101,,2,,0,1,0,8260BDA,M,D12918

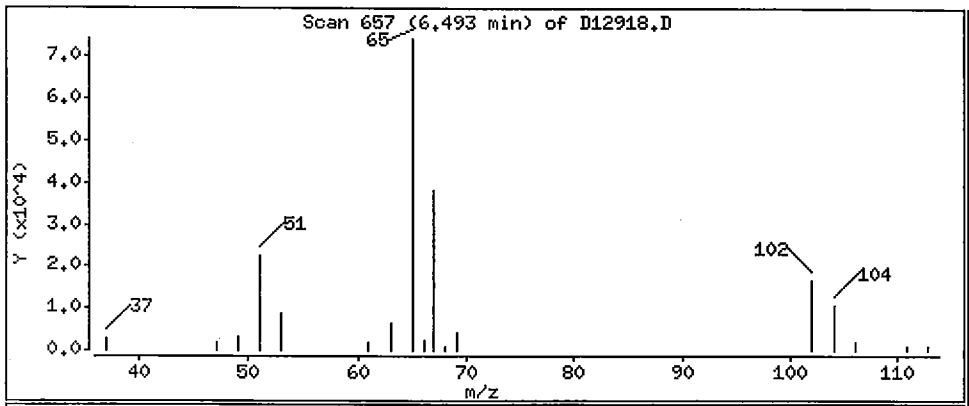
Operator: GFB

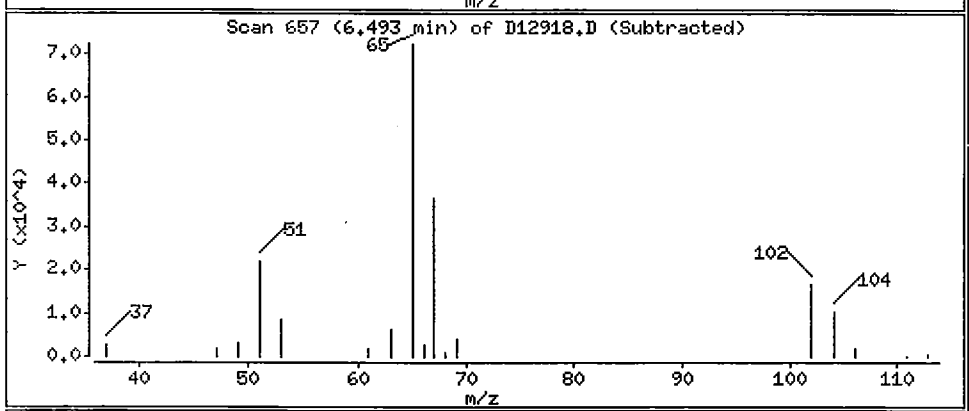
Column phase: J&W DB-624

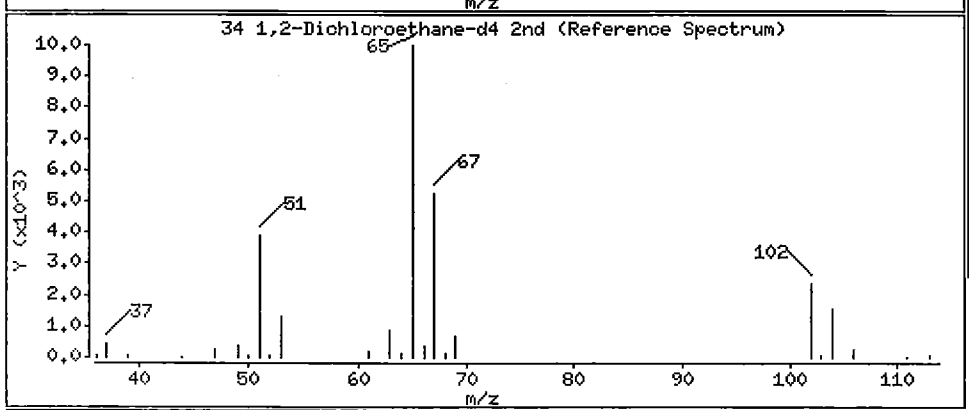
Column diameter: 0.53

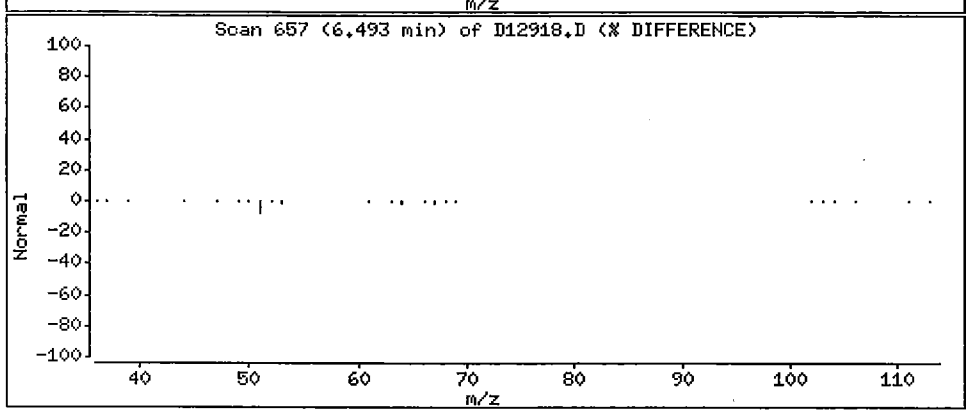
34 1,2-Dichloroethane-d4 2nd

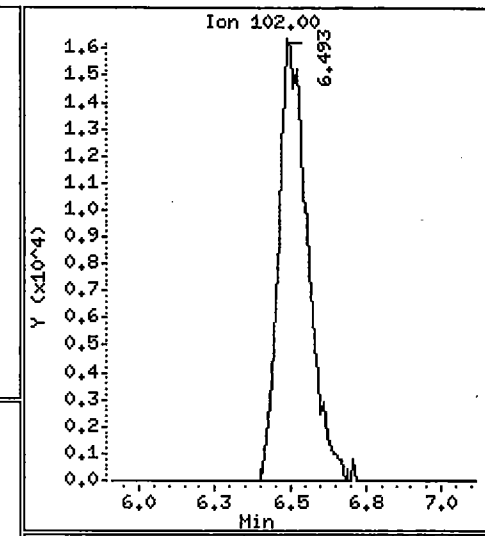
Concentration: 46.28 ug/Kg

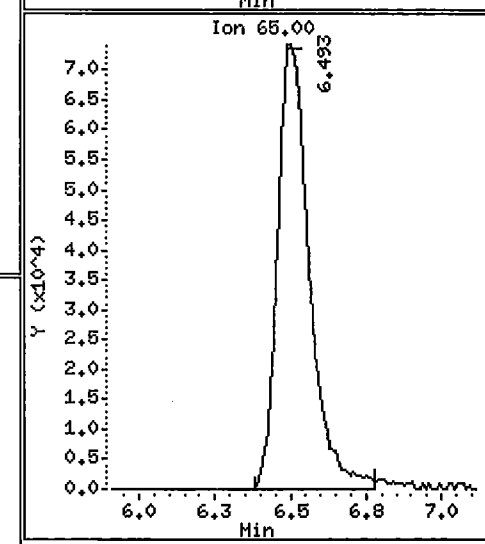












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12918.D

Date : 11-OCT-2000 12:35

Client ID: D12918

Instrument: md.i

Sample Info: DLFJN101,,2,,0,1,0,8260BDA.M,D12918

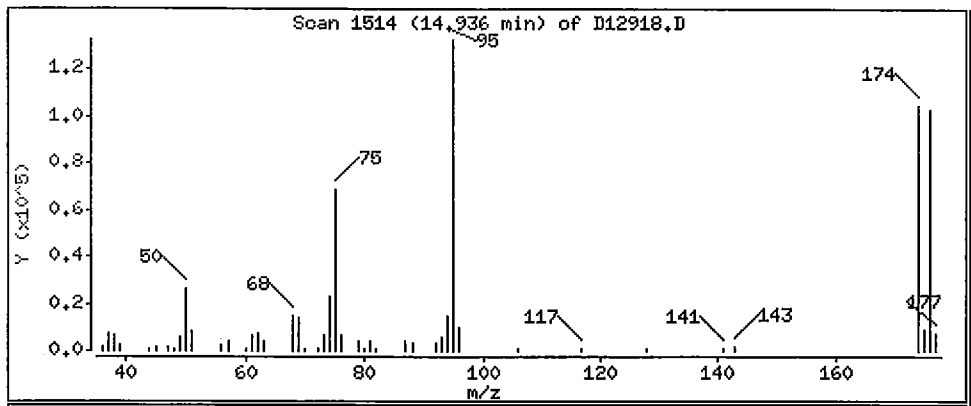
Operator: GFB

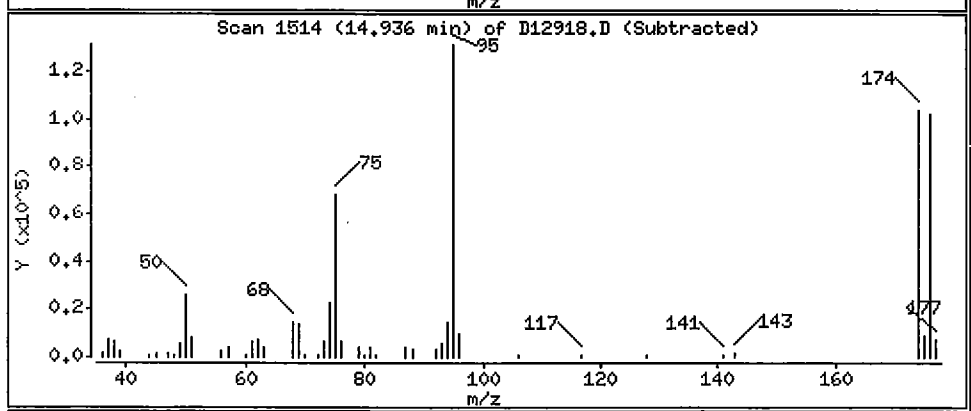
Column phase: J&W DB-624

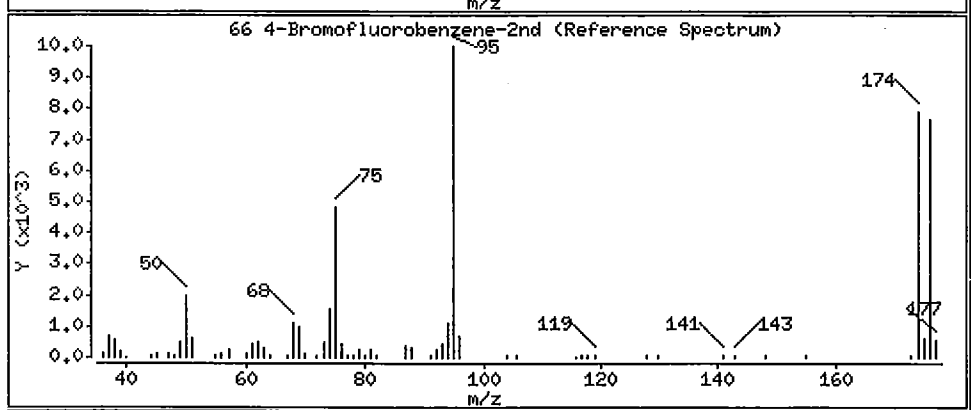
Column diameter: 0.53

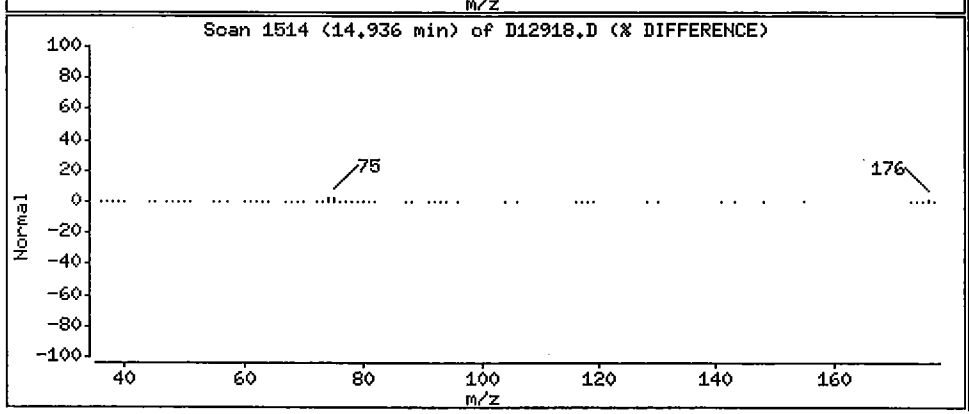
66 4-Bromofluorobenzene-2nd

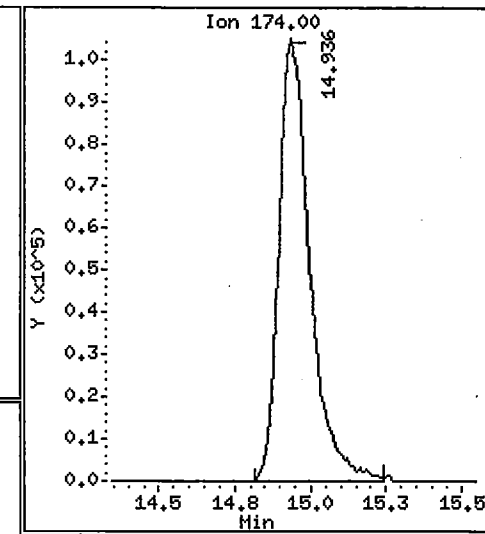
Concentration: 47.88 ug/Kg

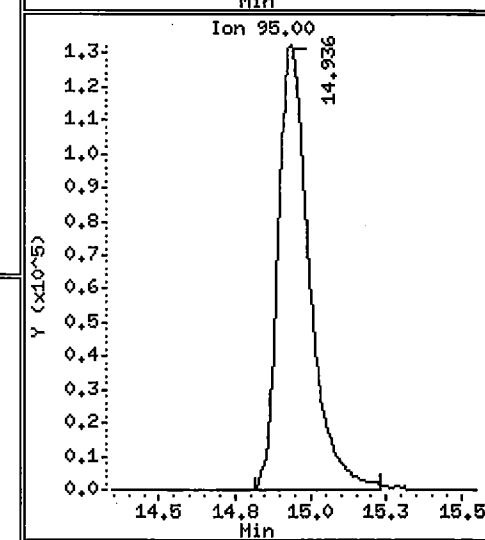


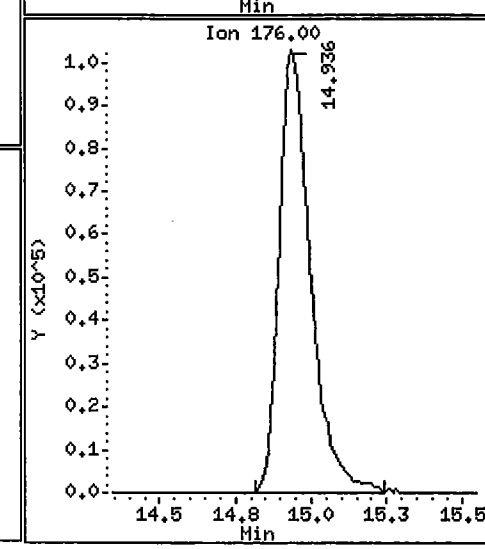












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12918.D

Date : 11-OCT-2000 12:35

Client ID: D12918

Instrument: md.i

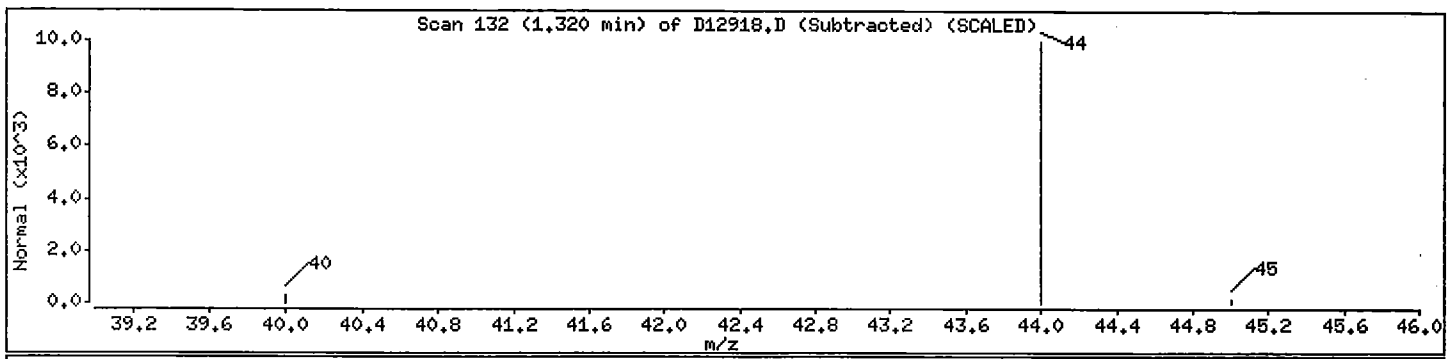
Sample Info: DLFJN101,,2,,0,1,0,8260BDA.M,D12918

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\1011AD.B\D12919.D
Lab Smp Id: DLFJQ101 Client Smp ID: D12919
Inj Date : 11-OCT-2000 13:07
Operator : GFB Inst ID: md.i
Smp Info : DLFJQ101,,2,,0,1,0,8260BDA.M,D12919
Misc Info : 150-17,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	5.968	5.967	(0.842)	894431	48.7879	48.79	
$ 33 1,2-Dichloroethane-d4	65	6.510	6.509	(0.918)	565560	45.7037	45.70	
34 1,2-Dichloroethane-d4 2nd	102	6.510	6.509	(0.918)	114523	45.8729	45.87	
* 38 Fluorobenzene	96	7.092	7.090	(1.000)	1288889	50.0000		
$ 47 Toluene-d8	98	9.909	9.908	(0.786)	1198781	45.2981	45.30	
* 56 Chlorobenzene-d5	117	12.609	12.607	(1.000)	1143179	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.944	14.942	(0.866)	764349	46.7104	46.71	
$ 67 4-Bromofluorobenzene	95	14.944	14.932	(0.866)	1001304	45.8469	45.85	
* 79 1,4-Dichlorobenzene-d4	152	17.249	17.257	(1.000)	821798	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\1011AD.B\D12919.D
Lab Smp Id: DLFJQ101 Client Smp ID: D12919
Inj Date : 11-OCT-2000 13:07
Operator : GFB Inst ID: md.i
Smp Info : DLFJQ101,,2,,0,1,0,8260BDA.M,D12919
Misc Info : 150-17,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.092	3013943	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.318	415477	6.89257936	6.89	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJQ101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12919
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

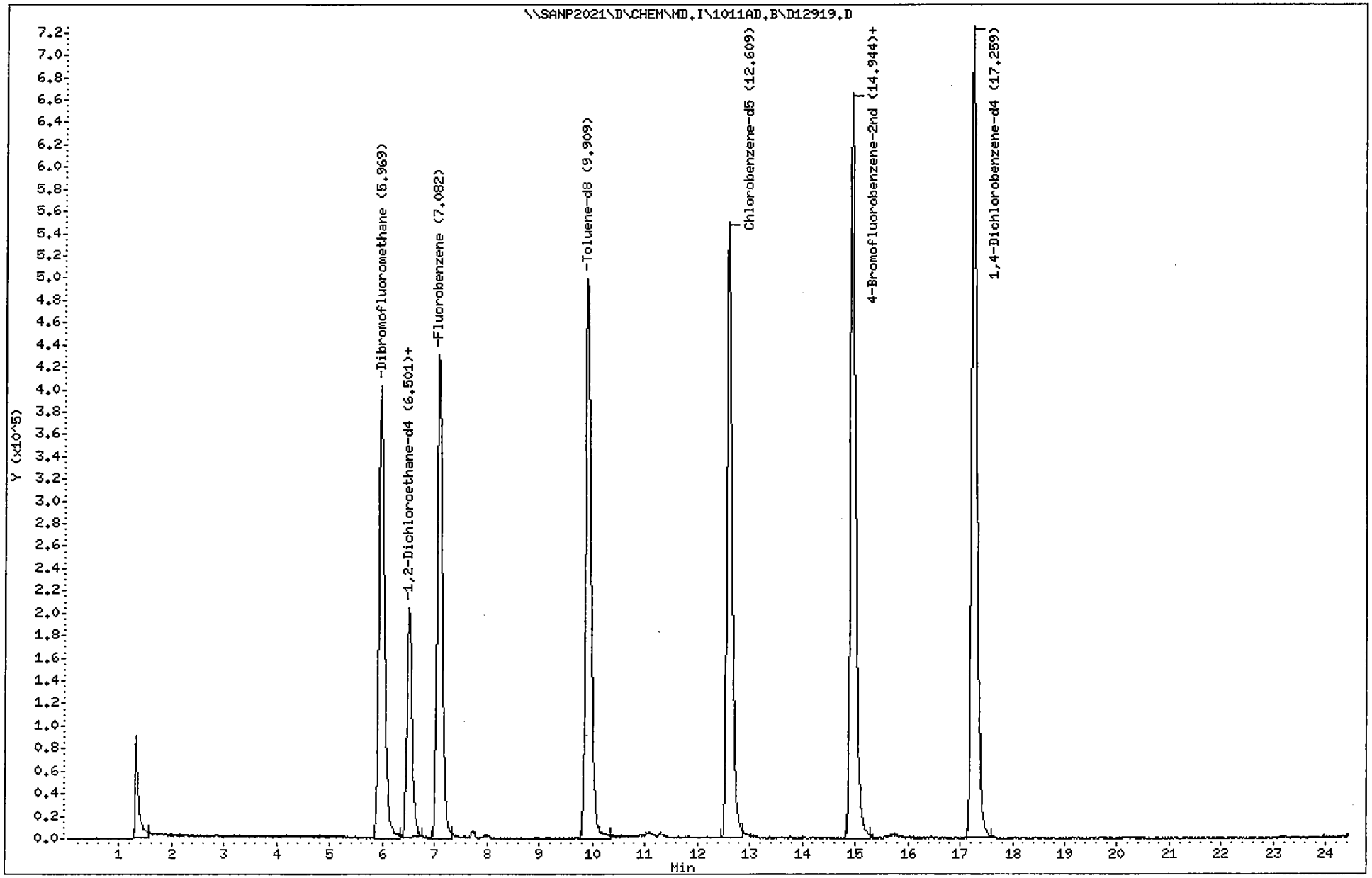
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown COV	1.318	6.89	_J__

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12919.D
Date : 11-OCT-2000 13:07
Client ID: D12919
Sample Info: DLFJQ101,,2,,0,1,0,8260BDA.M,D12919

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



000581

BOE-C6-0147656

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12919.D

Date : 11-OCT-2000 13:07

Client ID: D12919

Instrument: md.i

Sample Info: DLFJQ101,,2,,0,1,0,8260BDA.M,D12919

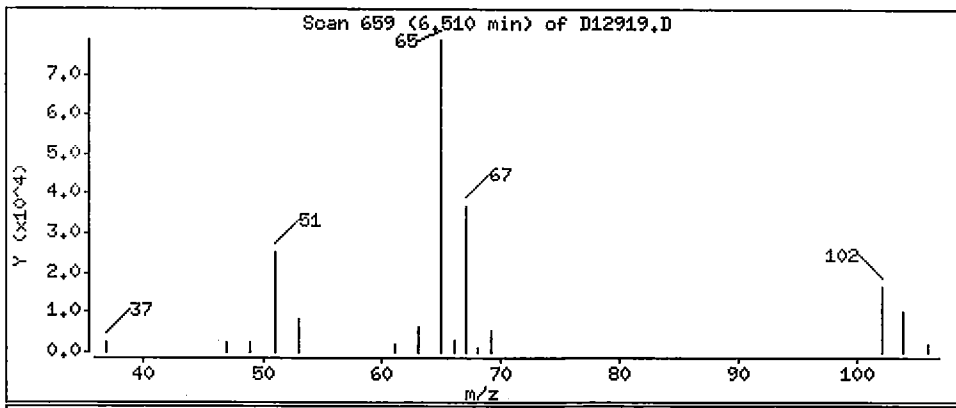
Operator: GFB

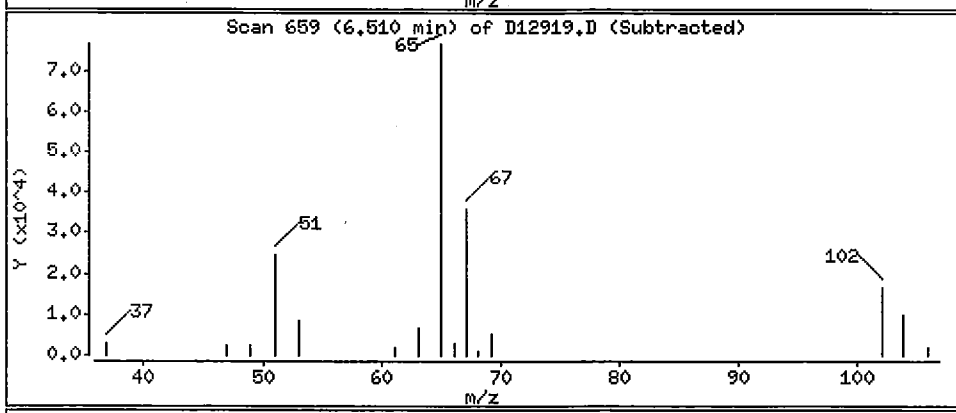
Column phase: J&W DB-624

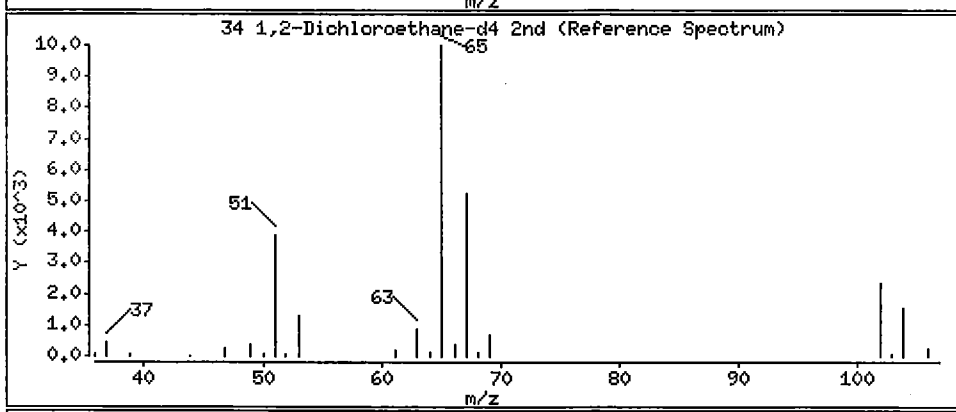
Column diameter: 0.53

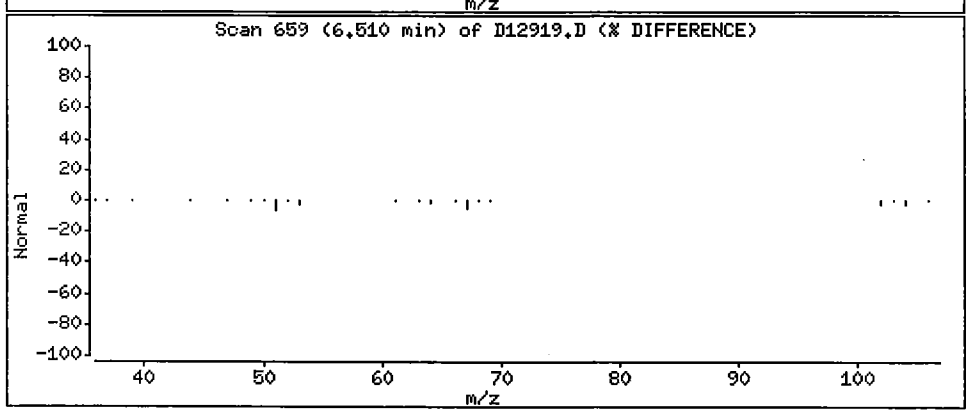
34 1,2-Dichloroethane-d4 2nd

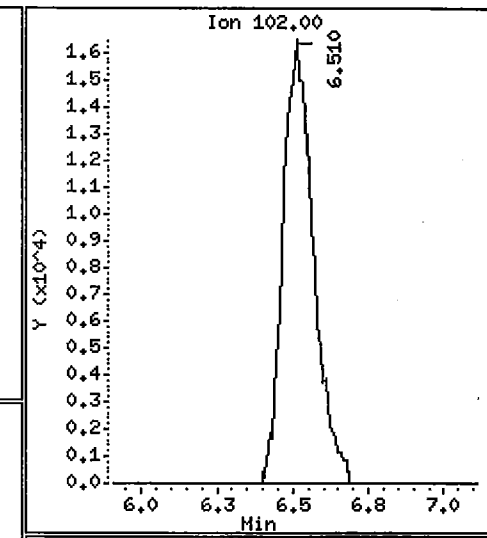
Concentration: 45.87 ug/Kg

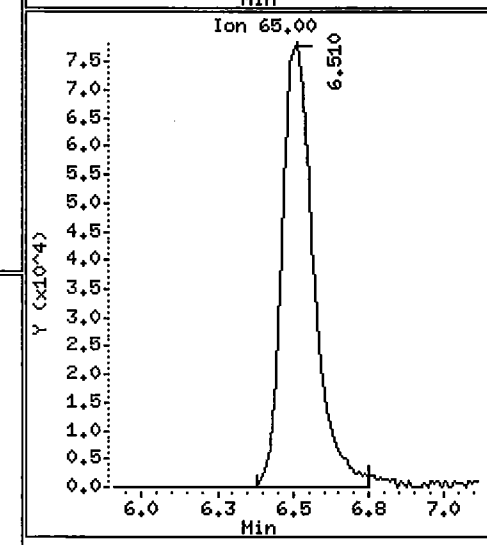












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12919.D

Date : 11-OCT-2000 13:07

Client ID: D12919

Instrument: md.i

Sample Info: DLFJQ101,,2,,0,1,0,8260BDA.M,D12919

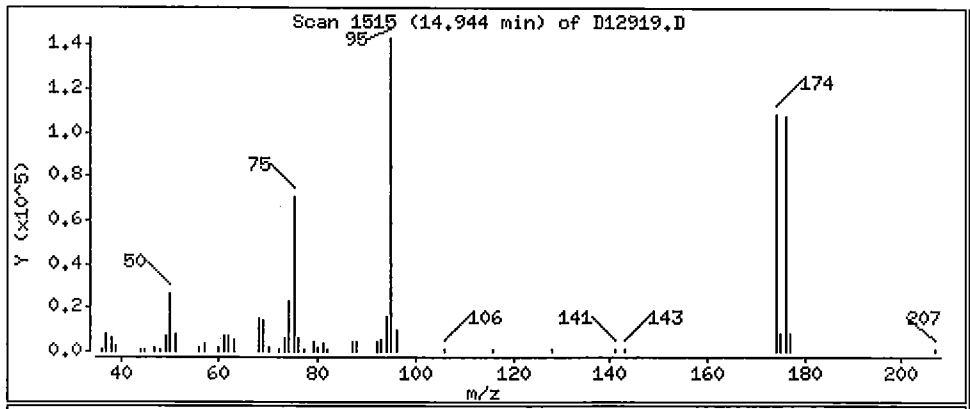
Operator: GFB

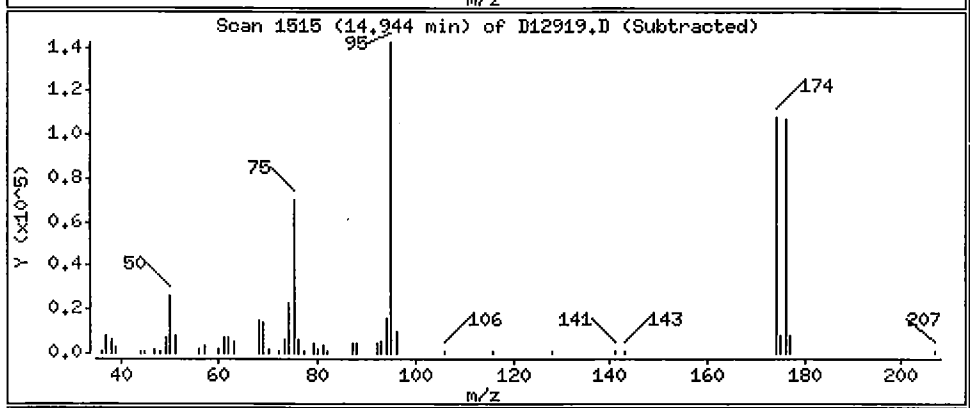
Column phase: J&W DB-624

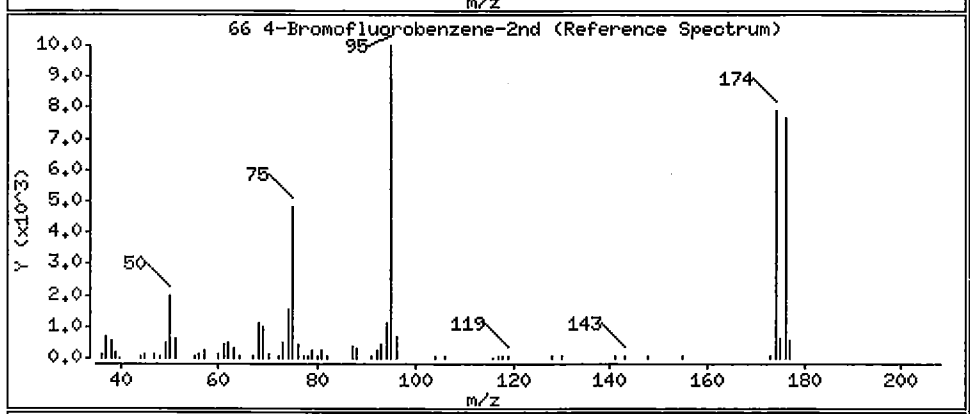
Column diameter: 0.53

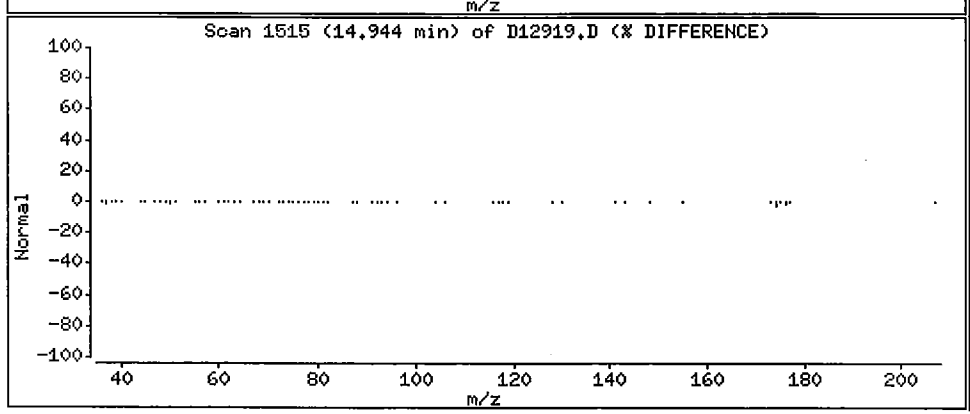
66 4-Bromofluorobenzene-2nd

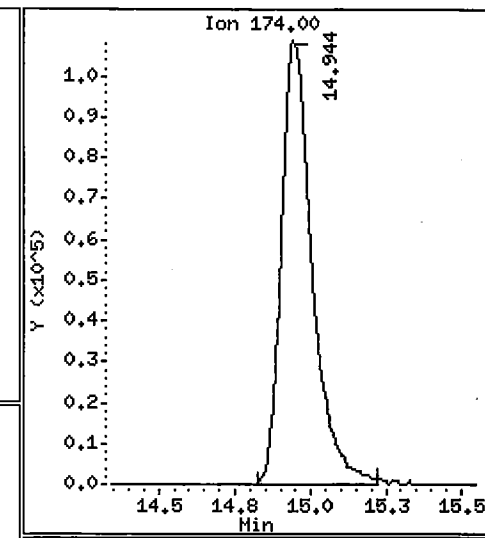
Concentration: 46.71 ug/Kg

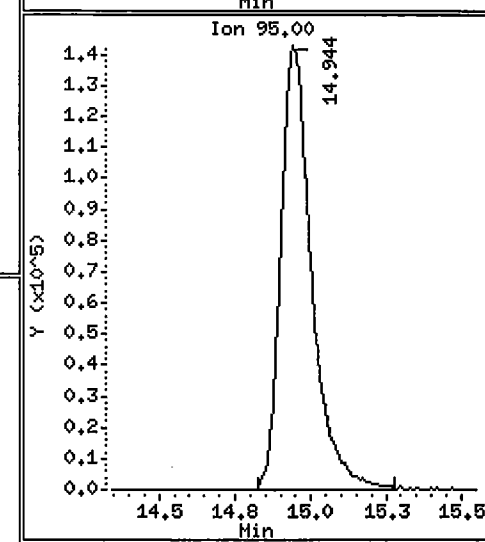


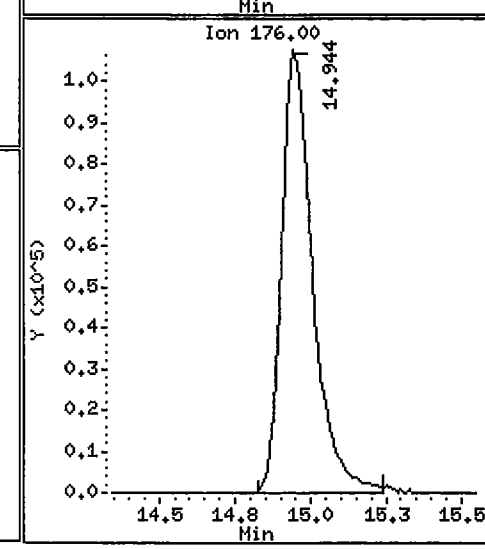












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12919.D

Date : 11-OCT-2000 13:07

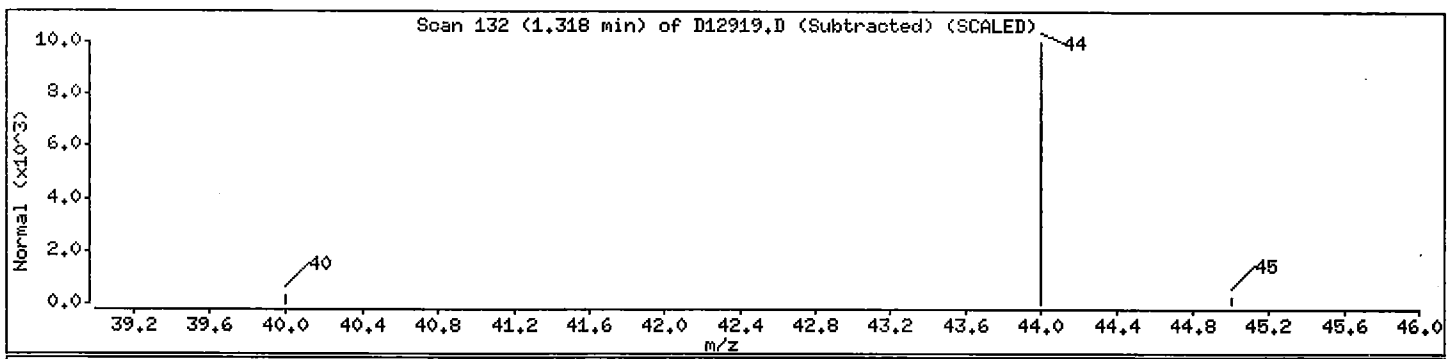
Client ID: D12919 Instrument: md.i

Sample Info: DLFJQ101,,2,,0,1,0,8260BDA.M,D12919

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

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VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1011AD.B\D12920.D
Lab Smp Id: DLFJR101 Client Smp ID: D12920
Inj Date : 11-OCT-2000 13:38
Operator : GFB Inst ID: md.i
Smp Info : DLFJR101,,2,,0,1,0,8260BDA.M,D12920
Misc Info : 150-18,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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)
$ 29 Dibromofluoromethane	111	5.966	5.967	(0.842)	833824	47.5949	47.59
$ 33 1,2-Dichloroethane-d4	65	6.508	6.509	(0.918)	513939	43.4615	43.46
34 1,2-Dichloroethane-d4 2nd	102	6.498	6.509	(0.917)	105669	44.2928	44.29
* 38 Fluorobenzene	96	7.090	7.090	(1.000)	1231672	50.0000	
39 Trichloroethene	130	7.730	7.730	(1.090)	30736	2.67001	2.67(aQ)
$ 47 Toluene-d8	98	9.917	9.908	(0.787)	1130450	44.9927	44.99
* 56 Chlorobenzene-d5	117	12.607	12.607	(1.000)	1085335	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.942	14.942	(0.866)	719624	45.7992	45.80
$ 67 4-Bromofluorobenzene	95	14.942	14.932	(0.866)	932052	44.4441	44.44
* 79 1,4-Dichlorobenzene-d4	152	17.257	17.257	(1.000)	789104	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\1011AD.B\D12920.D
Lab Smp Id: DLFJR101 Client Smp ID: D12920
Inj Date : 11-OCT-2000 13:38
Operator : GFB Inst ID: md.i
Smp Info : DLFJR101,,2,,0,1,0,8260BDA.M,D12920
Misc Info : 150-18,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.090	2827127	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.316	397476	7.02968028	7.03	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJR101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12920
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

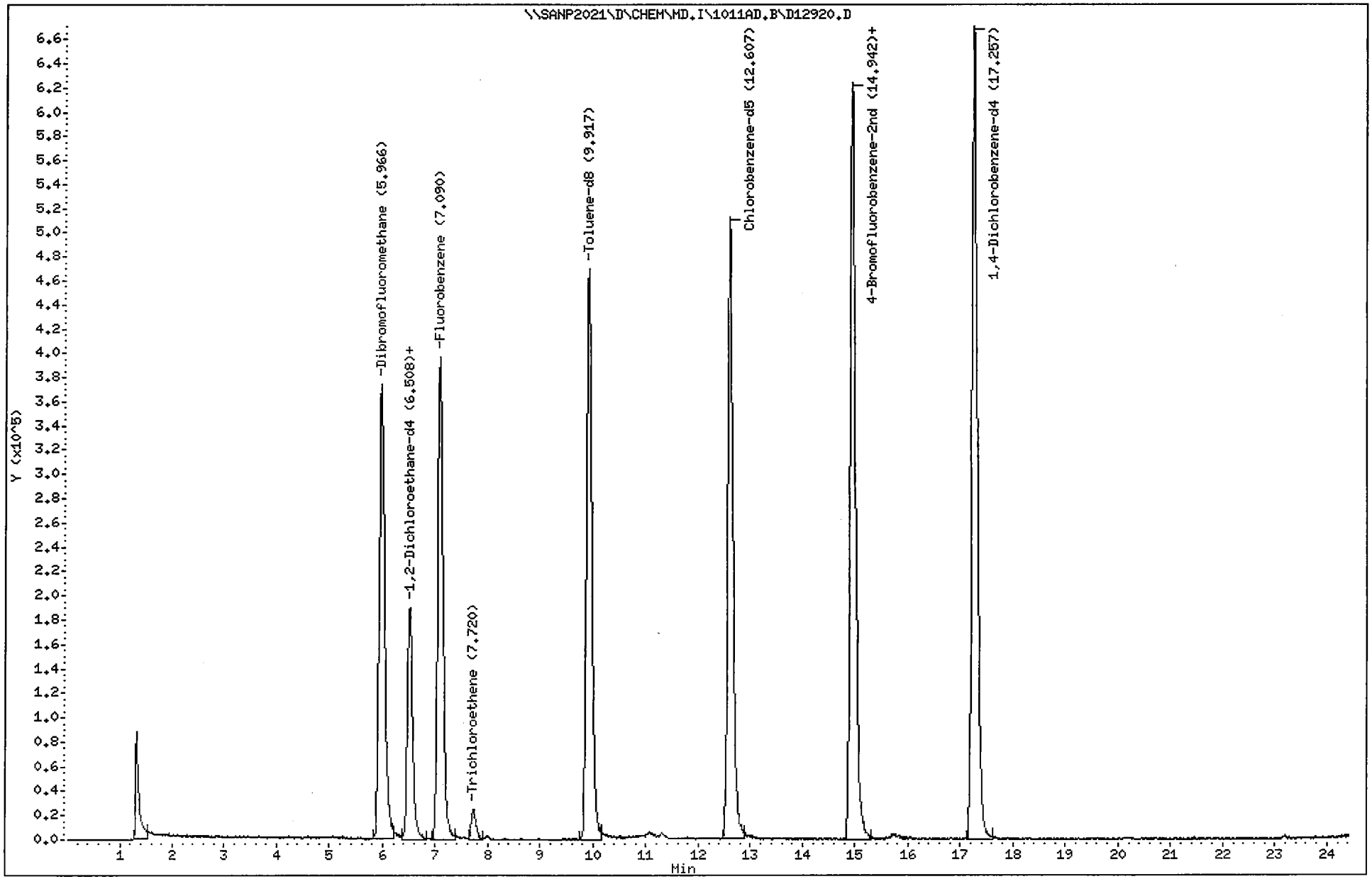
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown COV	1.316	7.03	J

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12920.D
Date : 11-OCT-2000 13:38
Client ID: D12920
Sample Info: DLFJR101,,2,,0,1,0,8260BDA.M,D12920

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



000589

BOE-C6-0147664

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12920.D

Date : 11-OCT-2000 13:38

Client ID: D12920

Instrument: md.i

Sample Info: DLFJR101,,2,,0,1,0,8260BDA.M,D12920

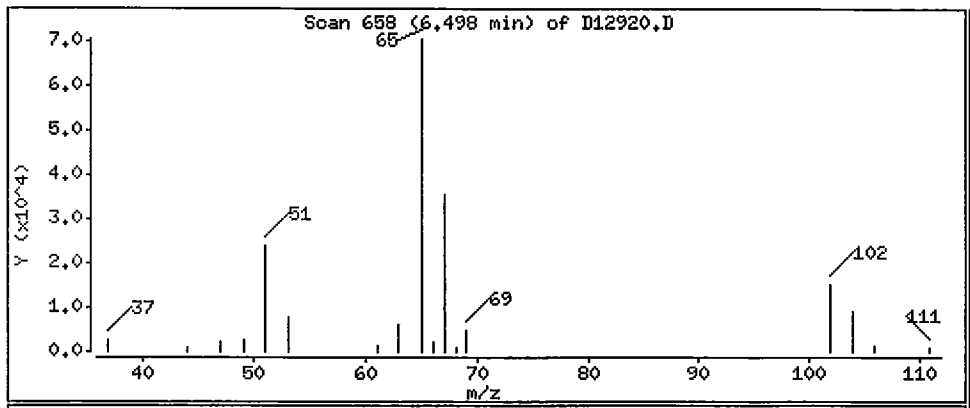
Operator: GFB

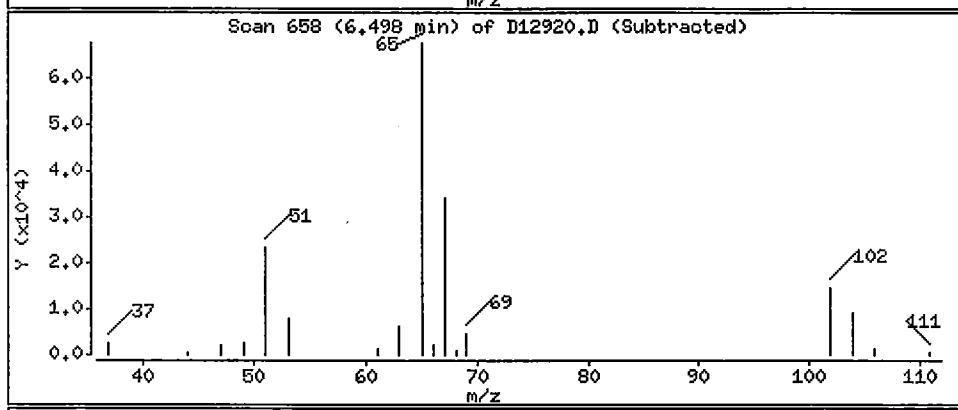
Column phase: J&W DB-624

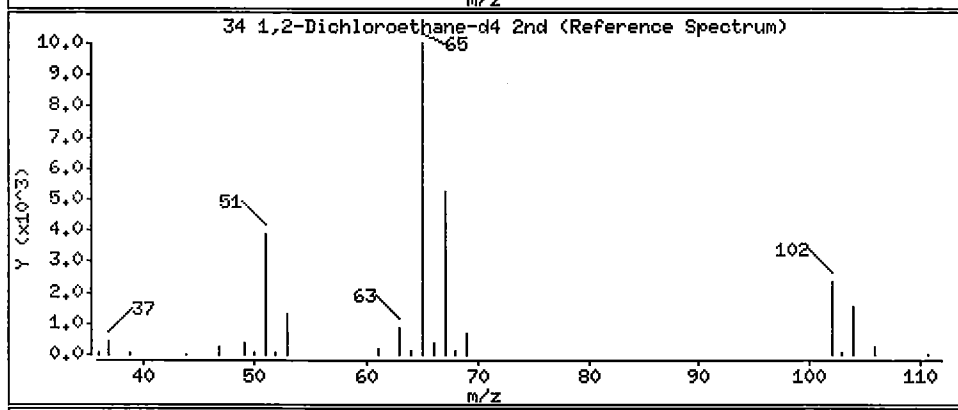
Column diameter: 0.53

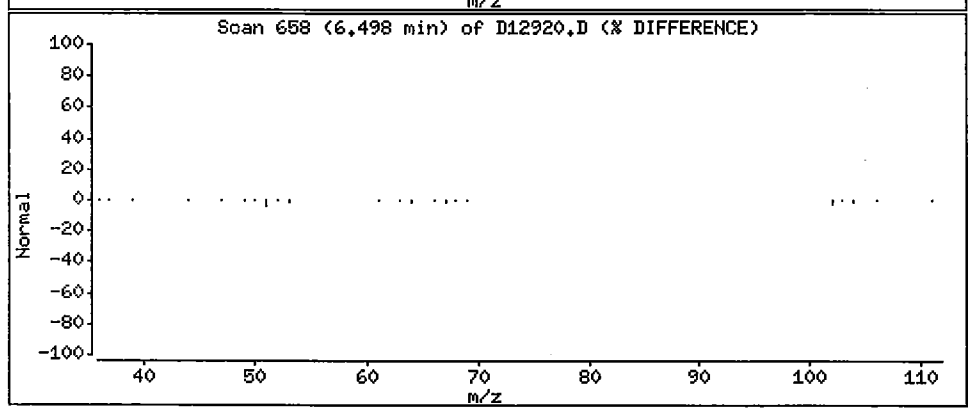
34 1,2-Dichloroethane-d4 2nd

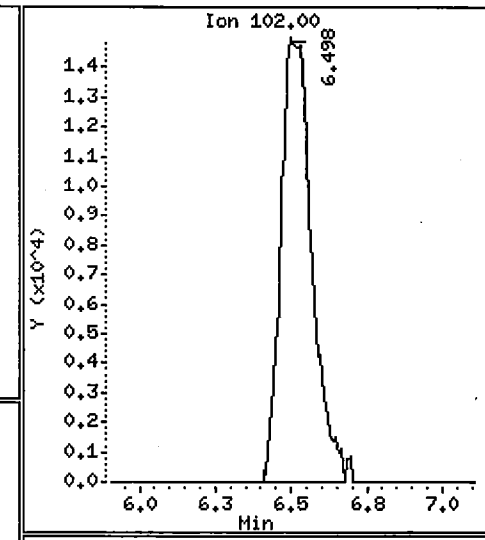
Concentration: 44.29 ug/Kg

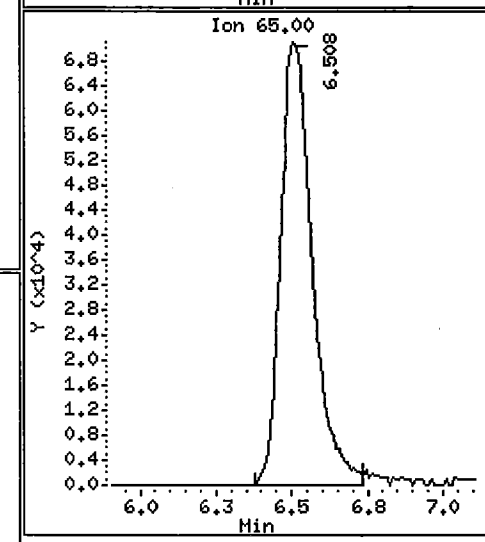












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12920.D

Date : 11-OCT-2000 13:38

Client ID: D12920

Instrument: md.i

Sample Info: DLFJR101,,2,,0,1,0,8260BDA.M,D12920

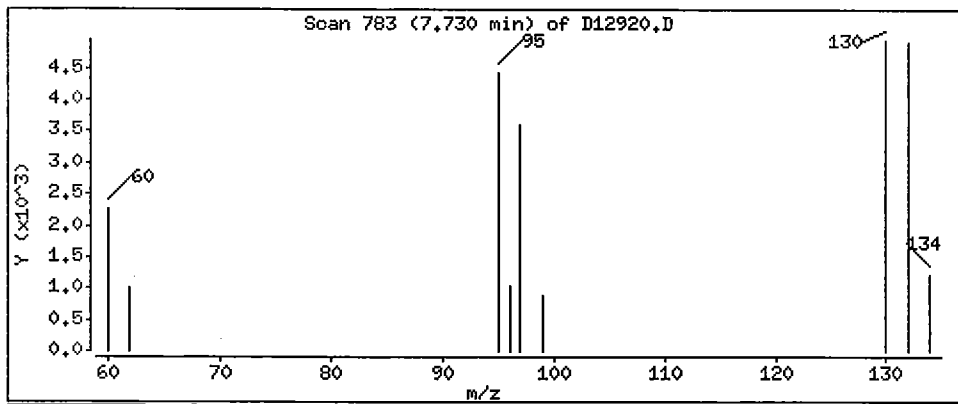
Operator: GFB

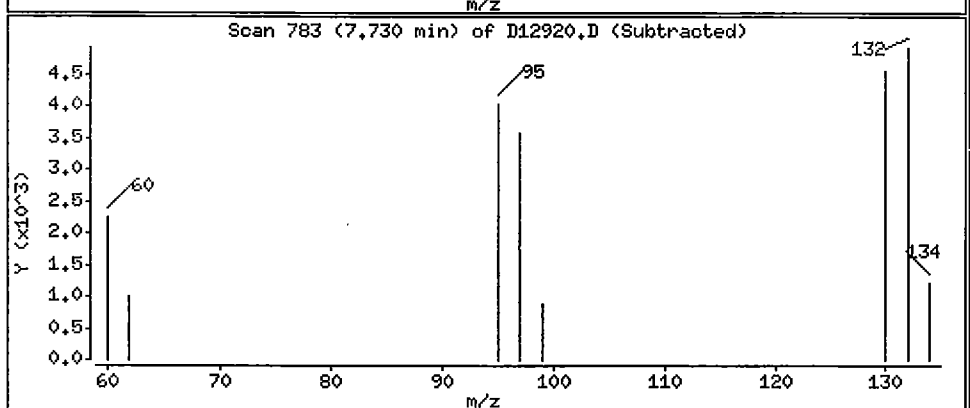
Column phase: J&W DB-624

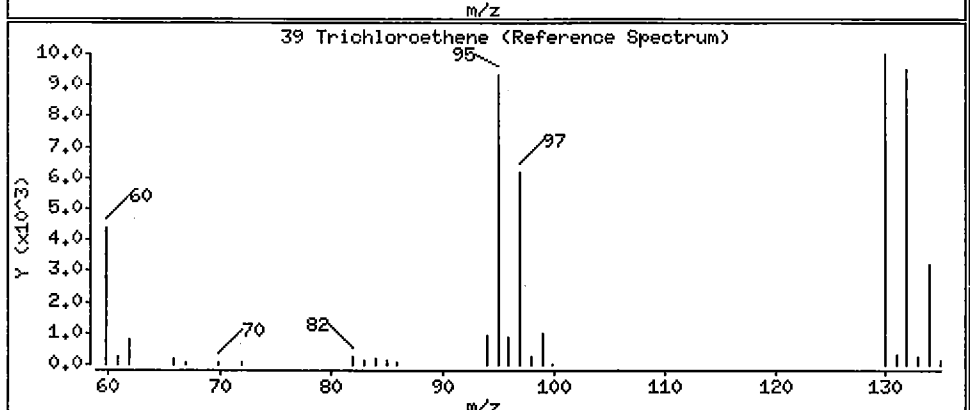
Column diameter: 0.53

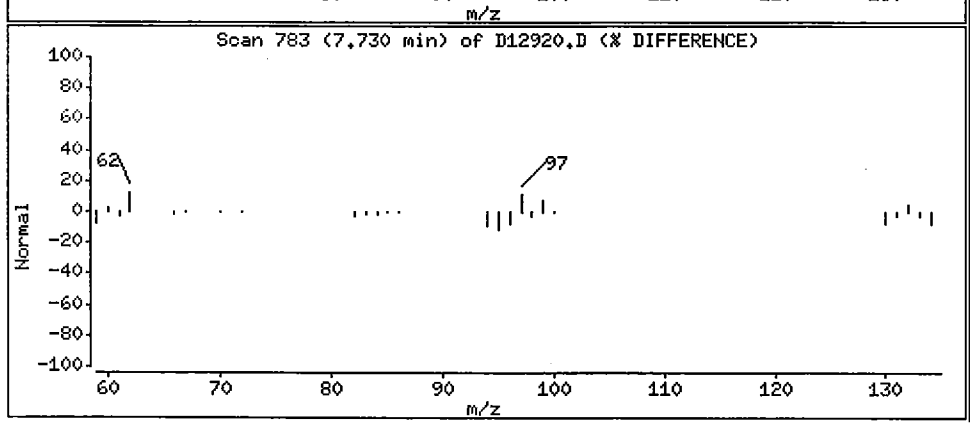
39 Trichloroethene

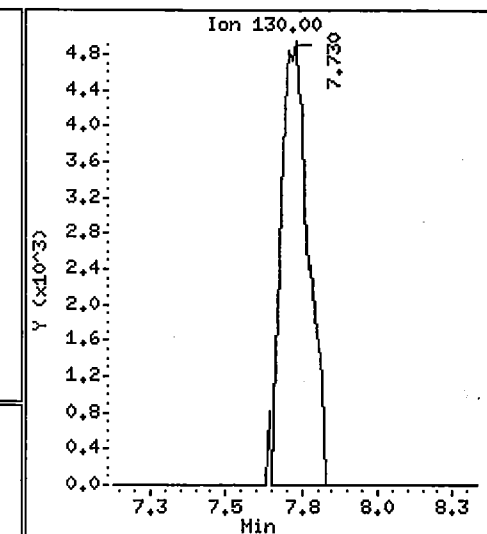
Concentration: 2.67 ug/Kg

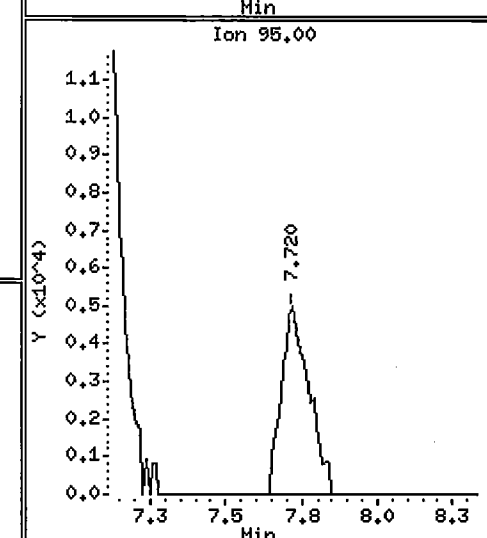


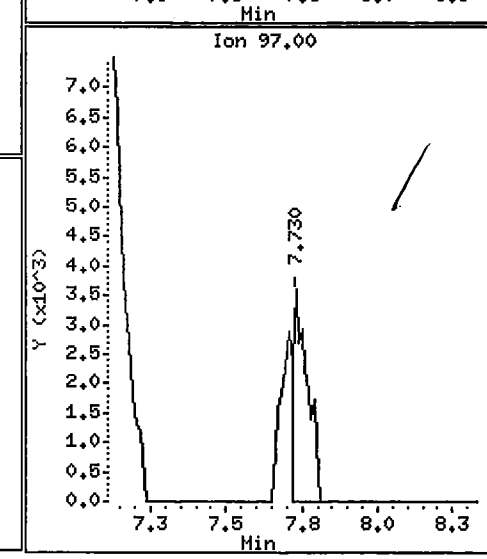












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12920.D

Date : 11-OCT-2000 13:38

Client ID: D12920

Instrument: md.i

Sample Info: DLFJR101,,2,,0,1,0,8260BDA.M,D12920

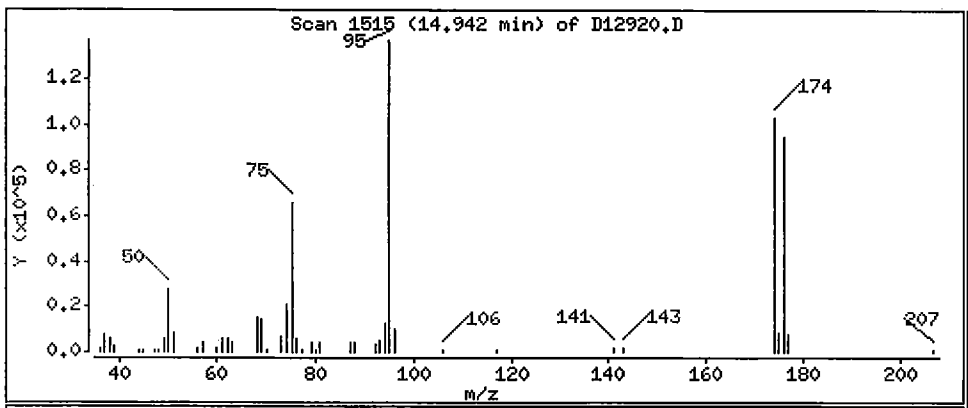
Operator: GFB

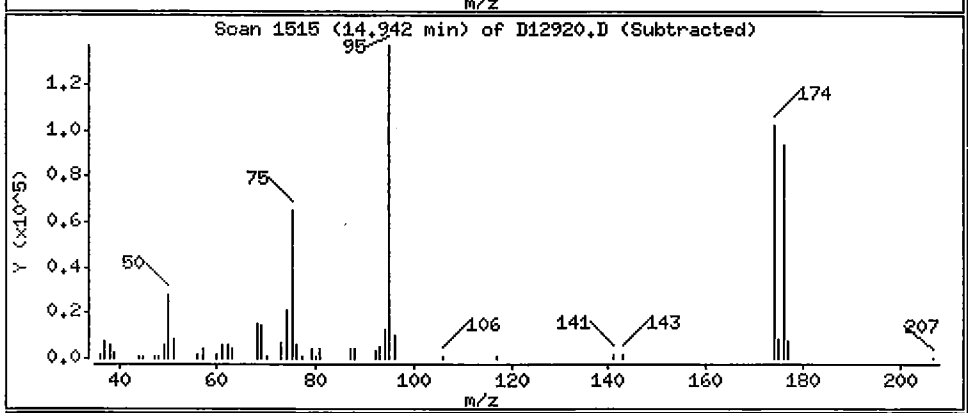
Column phase: J&W DB-624

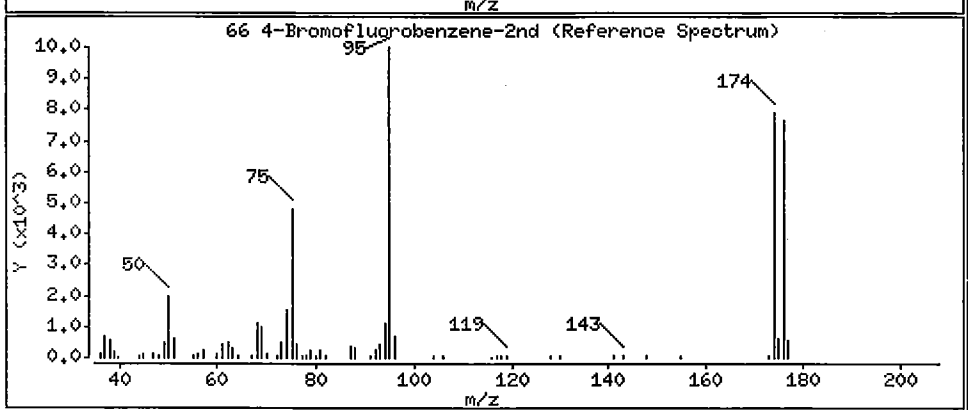
Column diameter: 0.53

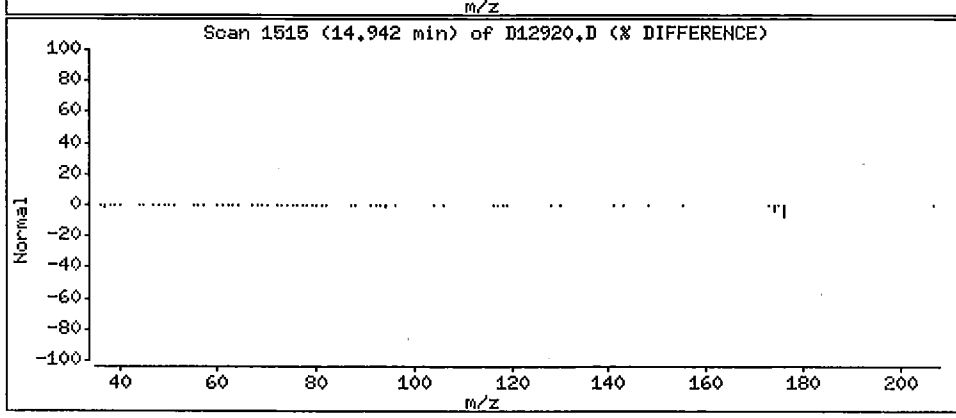
66 4-Bromofluorobenzene-2nd

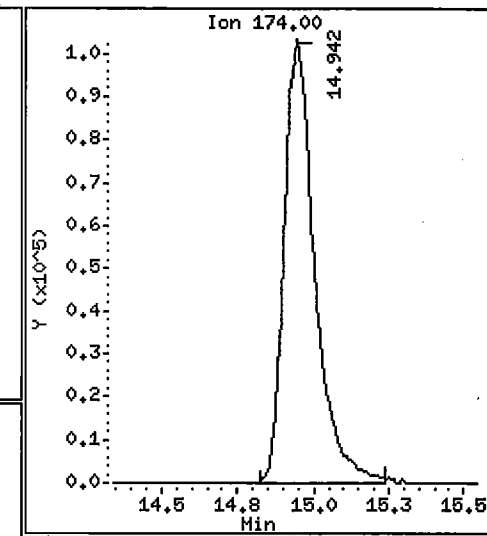
Concentration: 45.80 ug/Kg

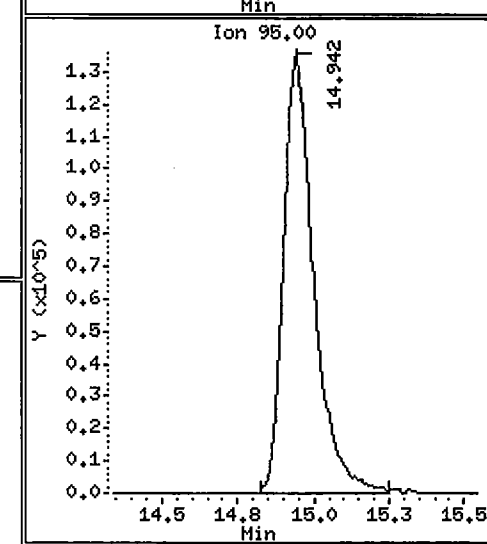


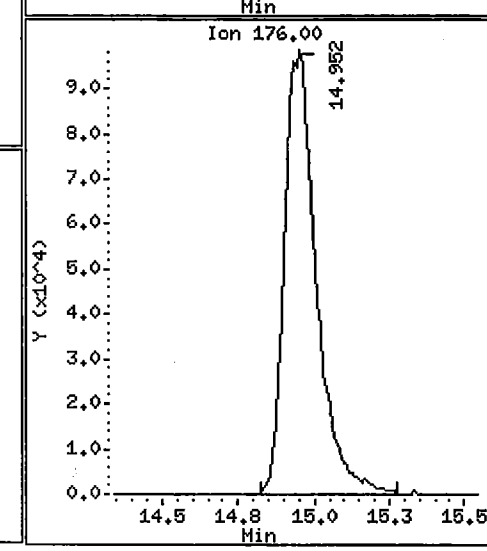












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12920.D

Date : 11-OCT-2000 13:38

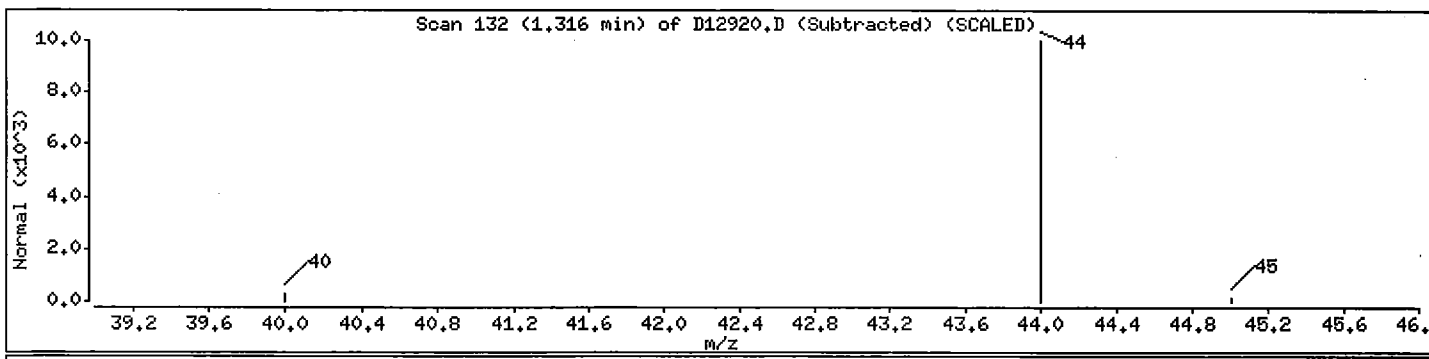
Client ID: D12920 Instrument: md.i

Sample Info: DLFJR101,,2,,0,1,0,8260BDA.M,D12920

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\1011AD.B\D12921.D
Lab Smp Id: DLFJV101 Client Smp ID: D12921
Inj Date : 11-OCT-2000 14:10
Operator : GFB Inst ID: md.i
Smp Info : DLFJV101,,2,,0,1,0,8260BDA.M,D12921
Misc Info : 150-19,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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)	
$ 29 Dibromofluoromethane	111	5.976	5.967	(0.842)	843703	48.1292	48.13	
$ 33 1,2-Dichloroethane-d4	65	6.518	6.509	(0.918)	536540	45.3449	45.34	
34 1,2-Dichloroethane-d4 2nd	102	6.508	6.509	(0.917)	105301	44.1113	44.11	
* 38 Fluorobenzene	96	7.099	7.090	(1.000)	1232429	50.0000		
$ 47 Toluene-d8	98	9.917	9.908	(0.787)	1145684	44.9185	44.92	
* 56 Chlorobenzene-d5	117	12.606	12.607	(1.000)	1101778	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.961	14.942	(0.866)	729760	46.6913	46.69	
$ 67 4-Bromofluorobenzene	95	14.941	14.932	(0.865)	926969	44.4368	44.44	
* 79 1,4-Dichlorobenzene-d4	152	17.267	17.257	(1.000)	784930	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\1011AD.B\D12921.D
Lab Smp Id: DLFJV101 Client Smp ID: D12921
Inj Date : 11-OCT-2000 14:10
Operator : GFB Inst ID: md.i
Smp Info : DLFJV101,,2,,0,1,0,8260BDA.M,D12921
Misc Info : 150-19,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.099	2818657	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.316	433486	7.68957741	7.69	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFJV101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12921
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

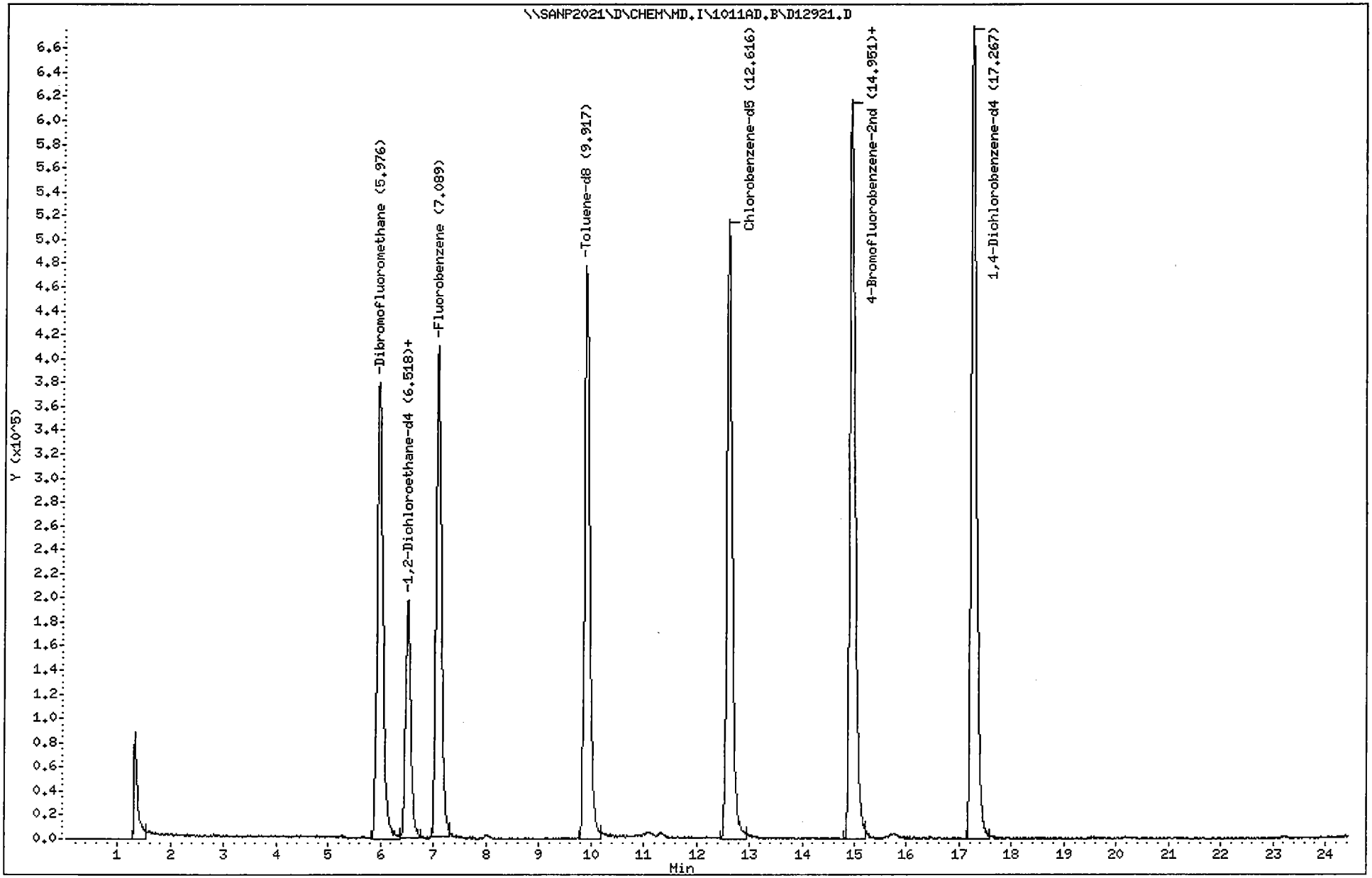
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown VOL	1.316	7.69	J

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12921.D
Date : 11-OCT-2000 14:10
Client ID: D12921
Sample Info: DLFJV101,,2,,0,1,0,8260BDA.M,D12921

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



000597

BOE-C6-0147672

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12921.D

Date : 11-OCT-2000 14:10

Client ID: D12921

Instrument: md.i

Sample Info: DLFJV101,,2,,0,1,0,8260BDA.M,D12921

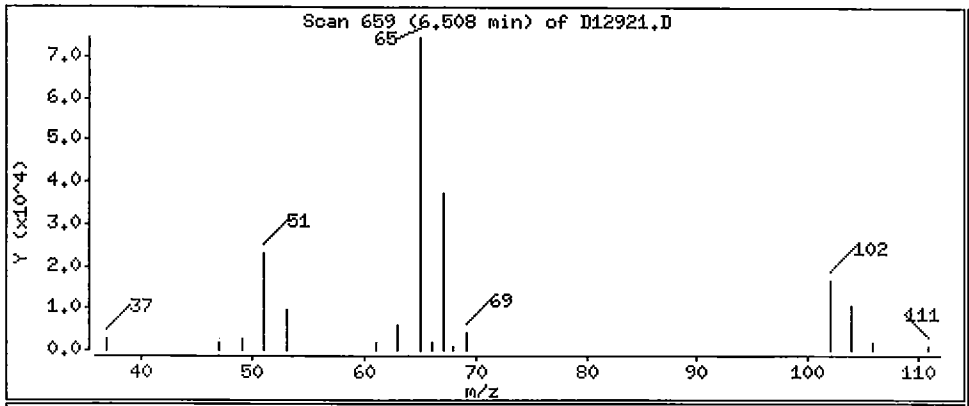
Operator: GFB

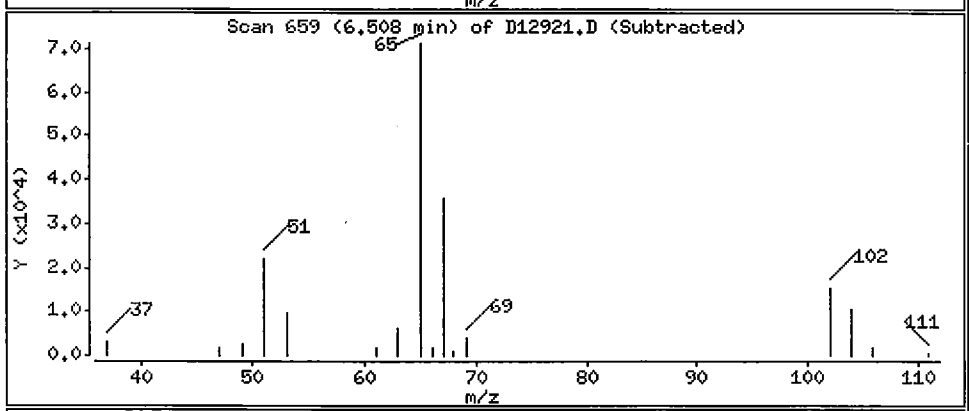
Column phase: J&W DB-624

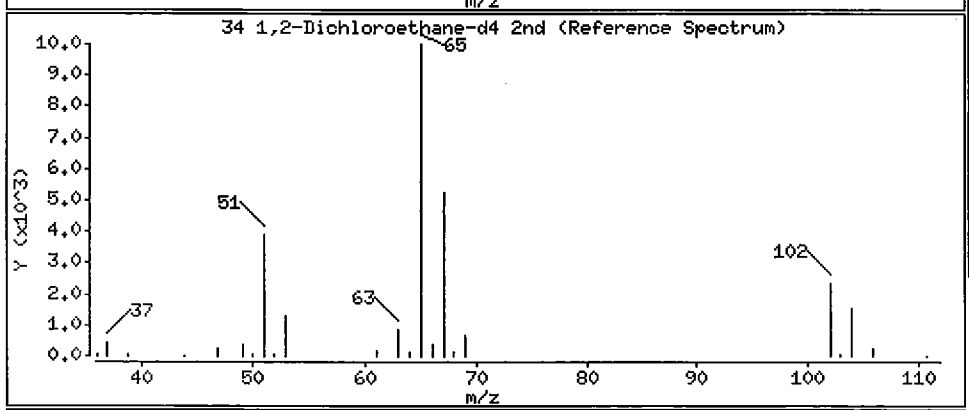
Column diameter: 0.53

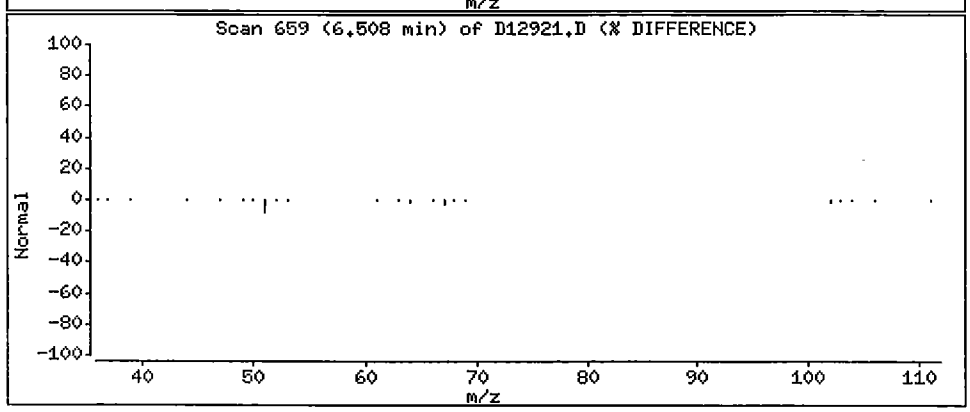
34 1,2-Dichloroethane-d4 2nd

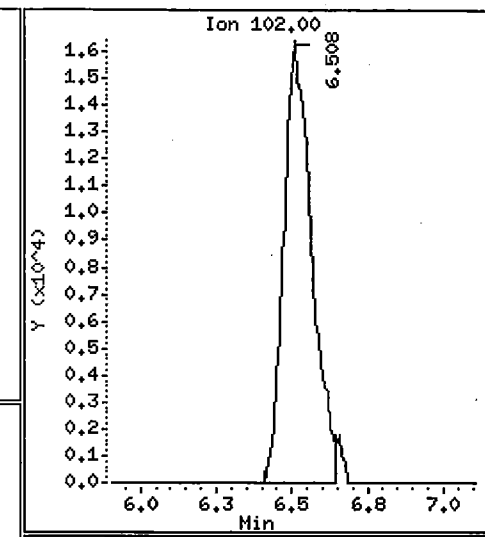
Concentration: 44.11 ug/Kg

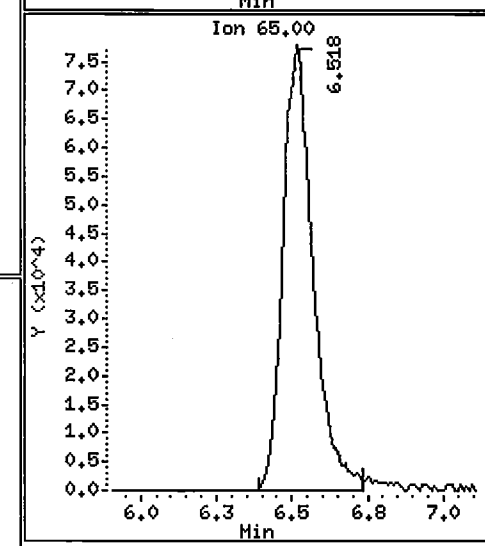












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12921.D

Date : 11-OCT-2000 14:10

Client ID: D12921

Instrument: md.i

Sample Info: DLFJV101,,2,,0,1,0,8260BDA.M,D12921

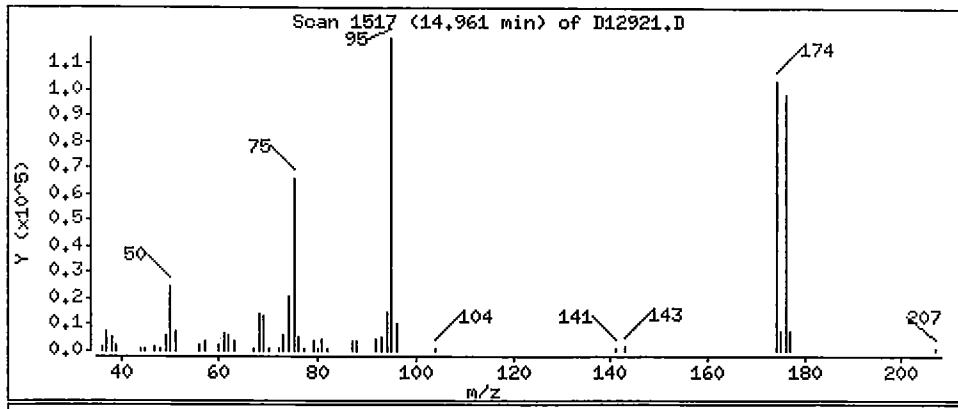
Operator: GFB

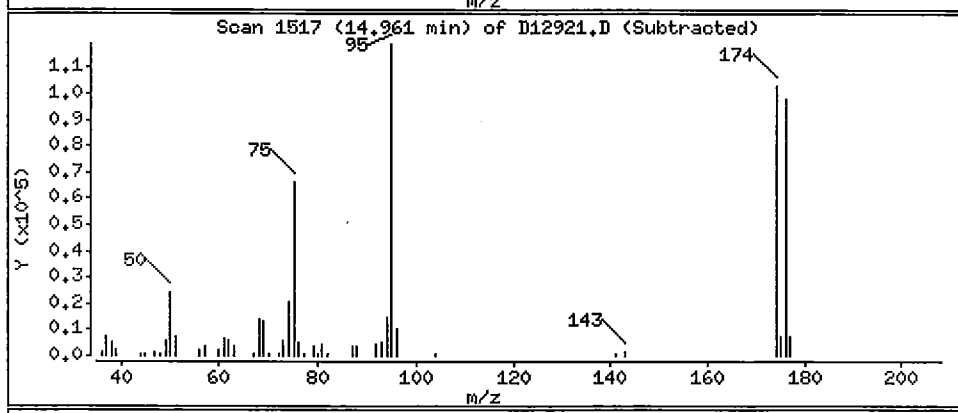
Column phase: J&W DB-624

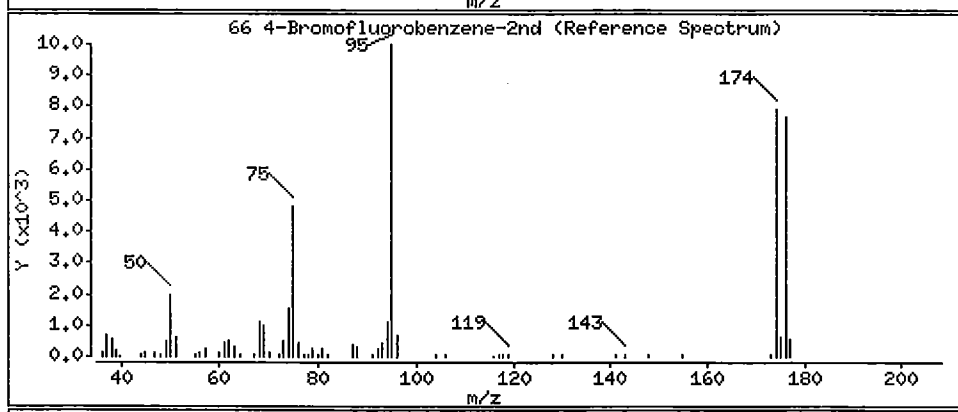
Column diameter: 0.53

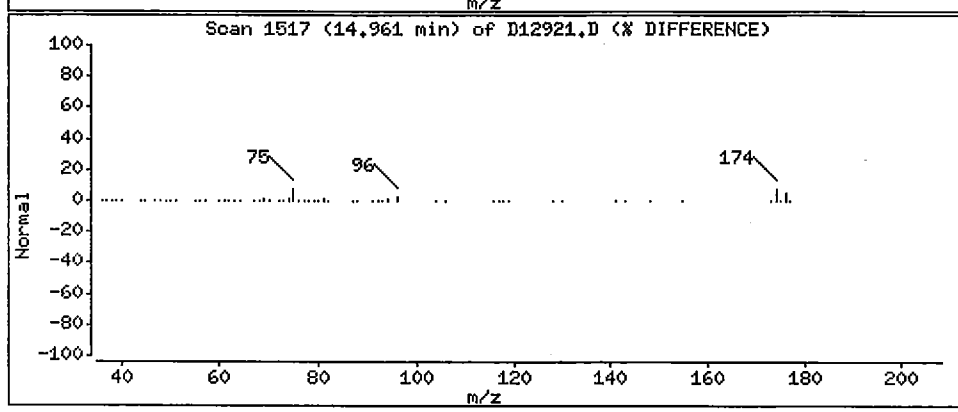
66 4-Bromofluorobenzene-2nd

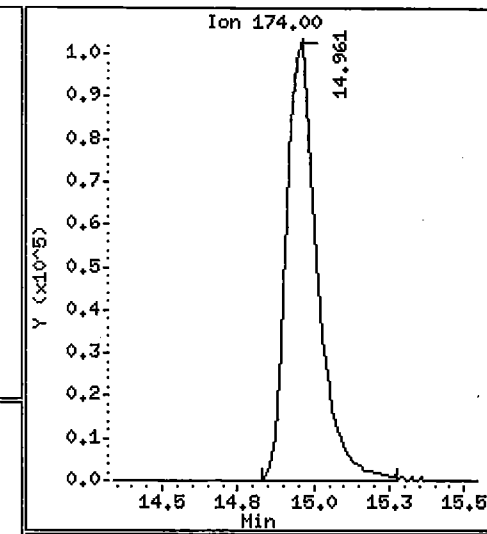
Concentration: 46.69 ug/Kg

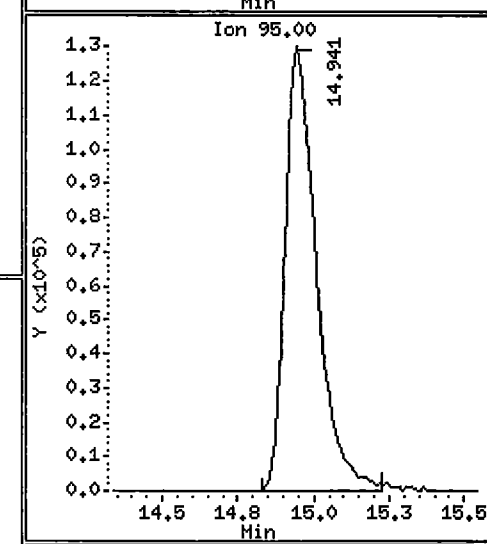


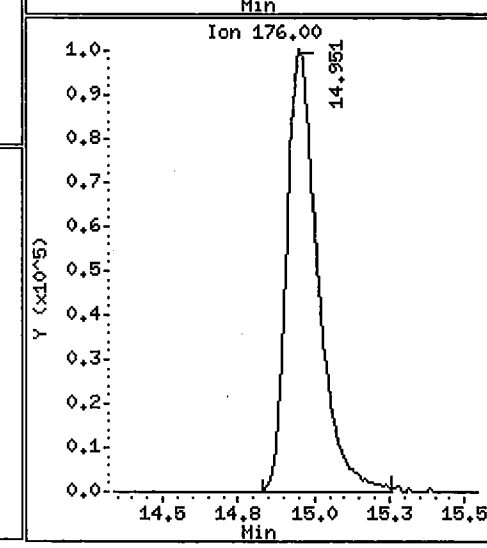












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12921.D

Date : 11-OCT-2000 14:10

Client ID: D12921

Instrument: md.i

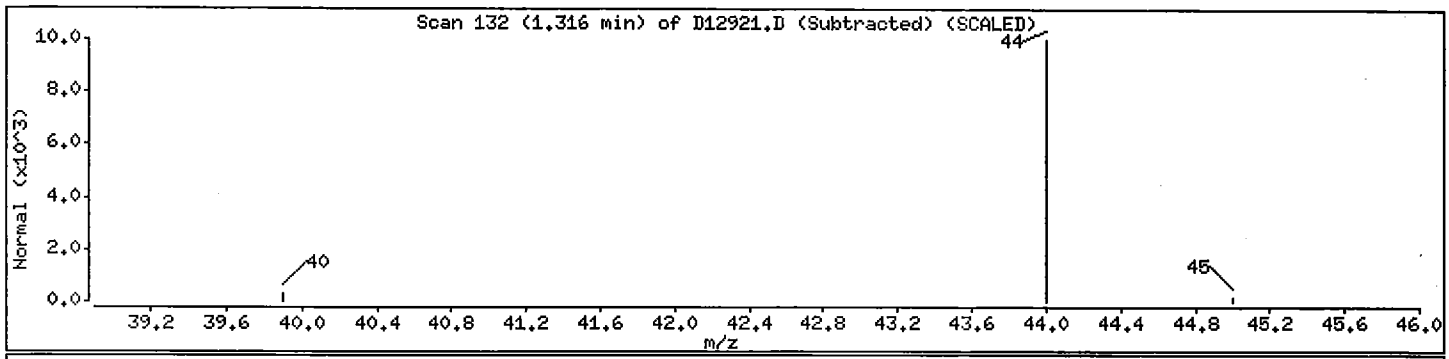
Sample Info: DLFJV101,,2,,0,1,0,8260BDA.M,D12921

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\1011AD.B\D12924.D
Lab Smp Id: DLFK0101 Client Smp ID: D12924
Inj Date : 11-OCT-2000 15:45
Operator : GFB Inst ID: md.i
Smp Info : DLFK0101,,2,,0,1,0,8260BDA.M,D12924
Misc Info : 150-20,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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)	
$ 29 Dibromofluoromethane	111	5.963	5.967	(0.843)	856766	48.3537	48.35	
$ 33 1,2-Dichloroethane-d4	65	6.505	6.509	(0.919)	536834	44.8864	44.89	
34 1,2-Dichloroethane-d4 2nd	102	6.505	6.509	(0.919)	104323	43.2362	43.24	
* 38 Fluorobenzene	96	7.077	7.090	(1.000)	1245700	50.0000		
$ 47 Toluene-d8	98	9.914	9.908	(0.786)	1187365	45.5782	45.58	
* 56 Chlorobenzene-d5	117	12.614	12.607	(1.000)	1125334	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.949	14.942	(0.866)	750340	46.3787	46.38	
$ 67 4-Bromofluorobenzene	95	14.939	14.932	(0.865)	975753	45.1880	45.19	
* 79 1,4-Dichlorobenzene-d4	152	17.264	17.257	(1.000)	812505	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\1011AD.B\D12924.D
Lab Smp Id: DLFK0101 Client Smp ID: D12924
Inj Date : 11-OCT-2000 15:45
Operator : GFB Inst ID: md.i
Smp Info : DLFK0101,,2,,0,1,0,8260BDA.M,D12924
Misc Info : 150-20,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.077	2900607	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.313	456089	7.86196061	7.86	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFK0101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12924
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	1.313	7.86	J

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12924.D

Date : 11-OCT-2000 15:45

Client ID: D12924

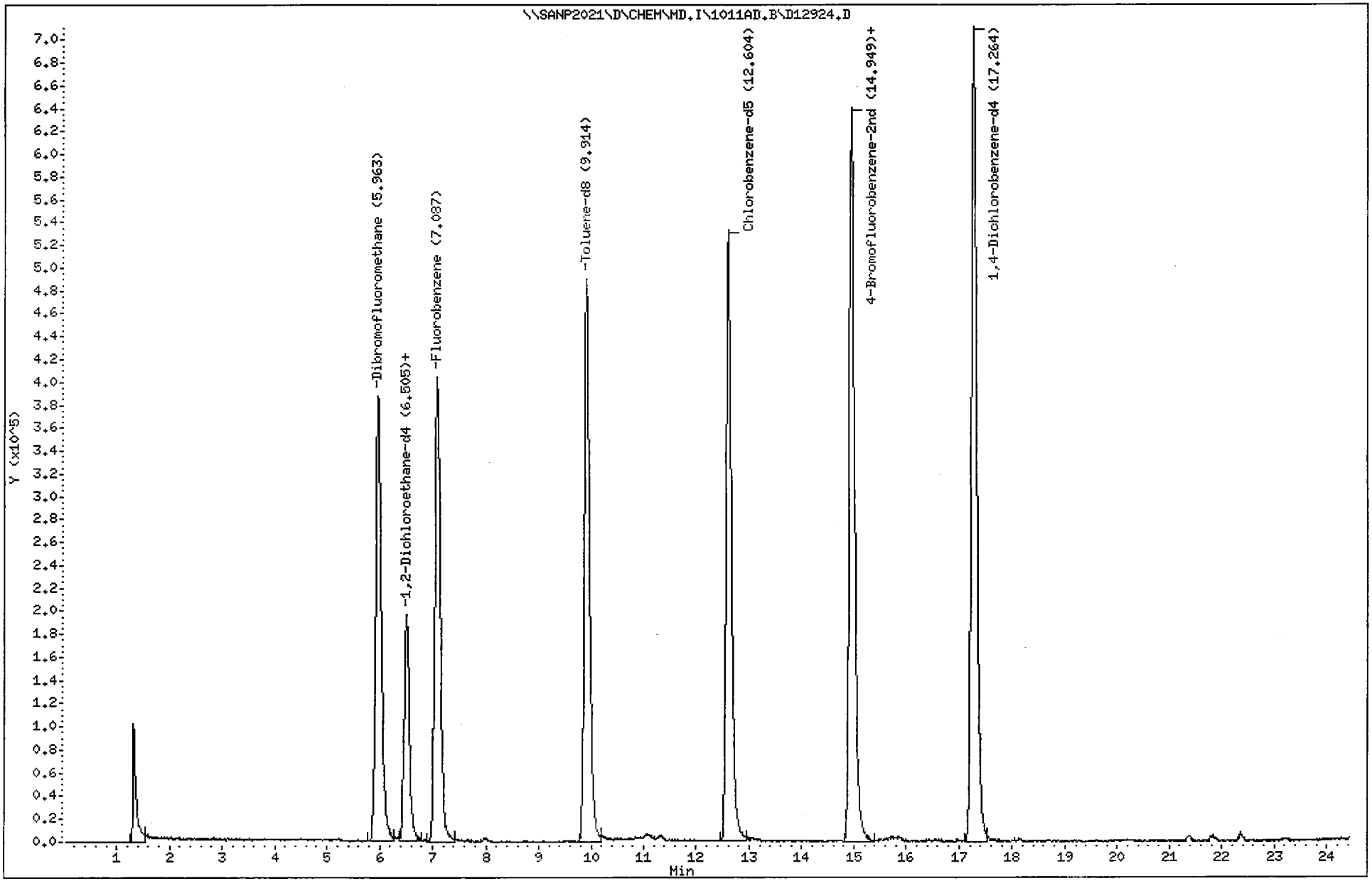
Sample Info: DLFK0101,,2,,0,1,0,8260BDA,M,D12924

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000604

BOE-C6-0147679

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12924.D

Date : 11-OCT-2000 15:45

Client ID: D12924

Instrument: md.i

Sample Info: DLFK0101,,2,,0,1,0,8260BDA.M,D12924

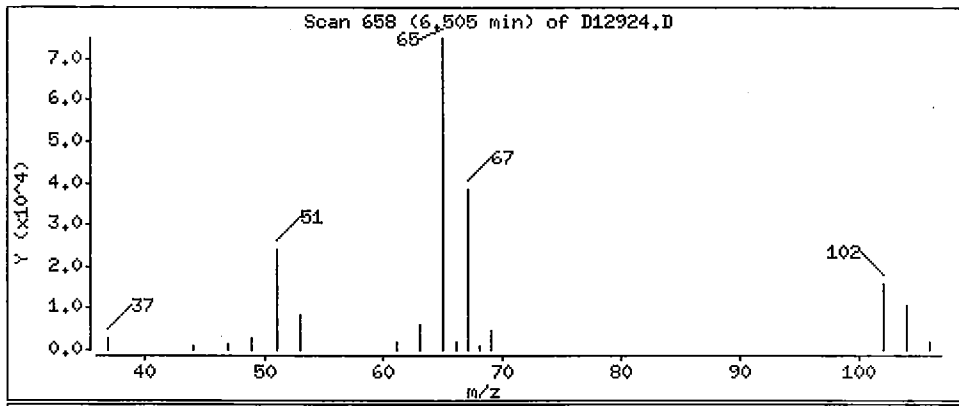
Operator: GFB

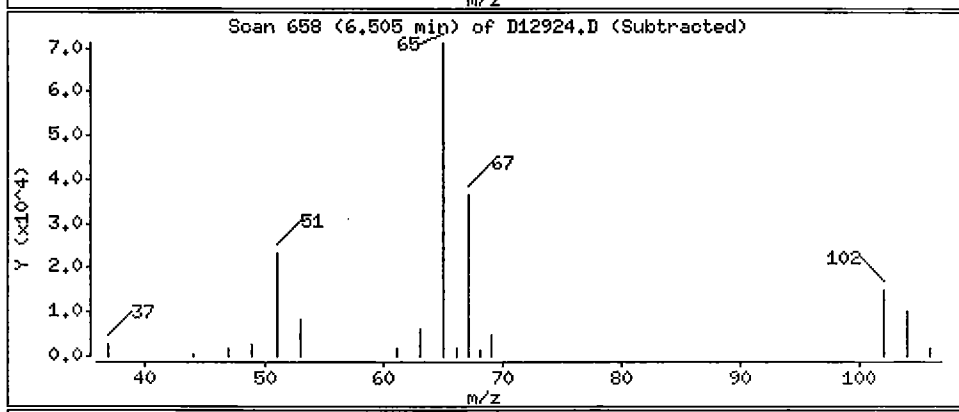
Column phase: J&W DB-624

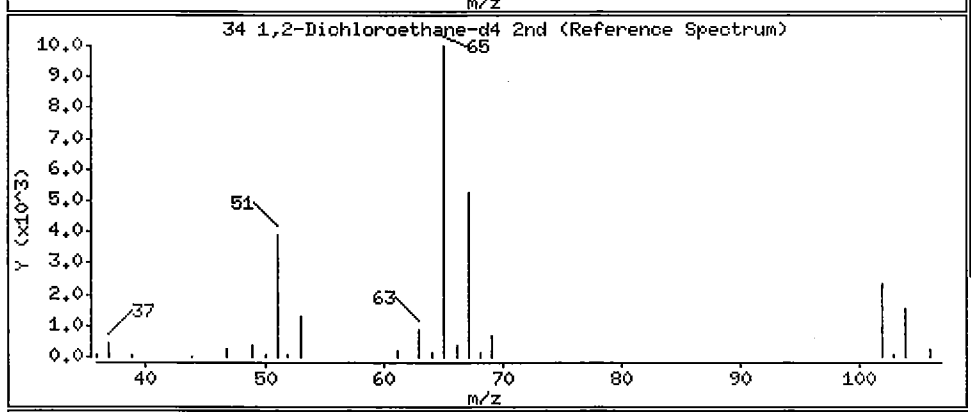
Column diameter: 0.53

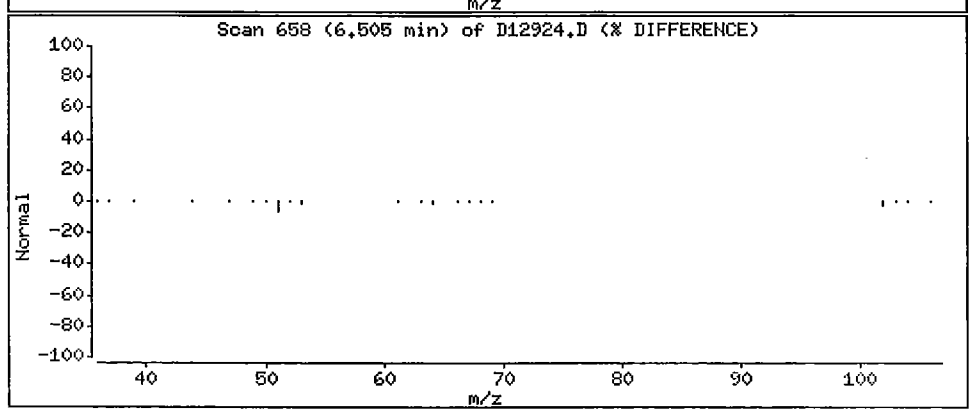
34 1,2-Dichloroethane-d4 2nd

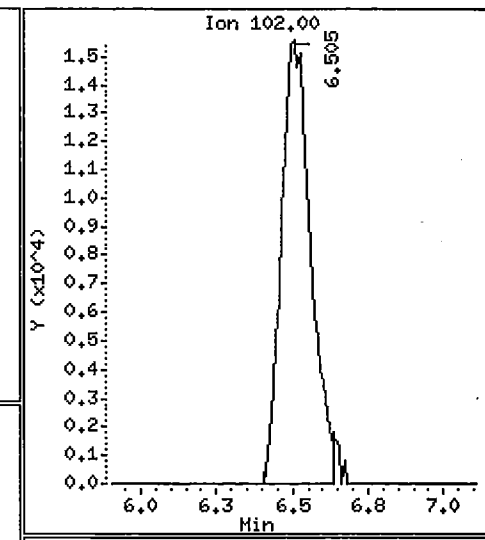
Concentration: 43.24 ug/Kg

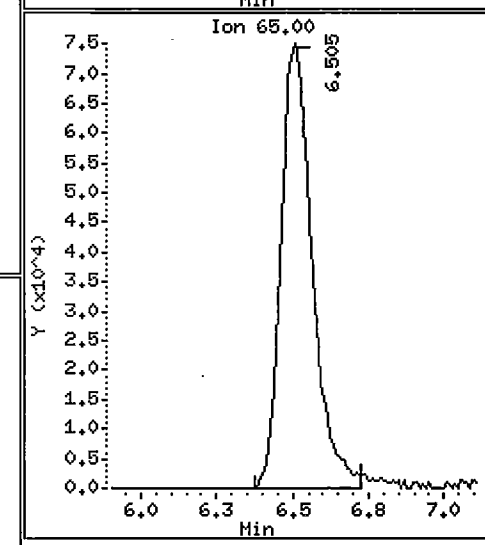












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12924.D

Date : 11-OCT-2000 15:45

Client ID: D12924

Instrument: md.i

Sample Info: DLFK0101,,2,,0,1,0,8260BDA.M,D12924

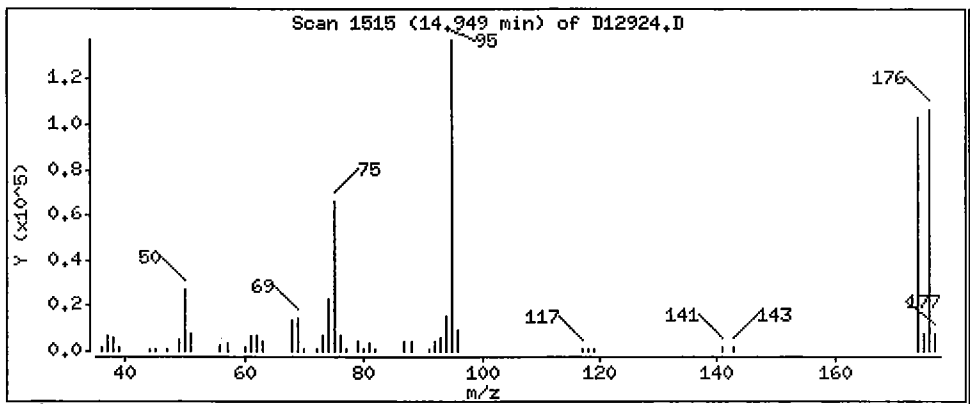
Operator: GFB

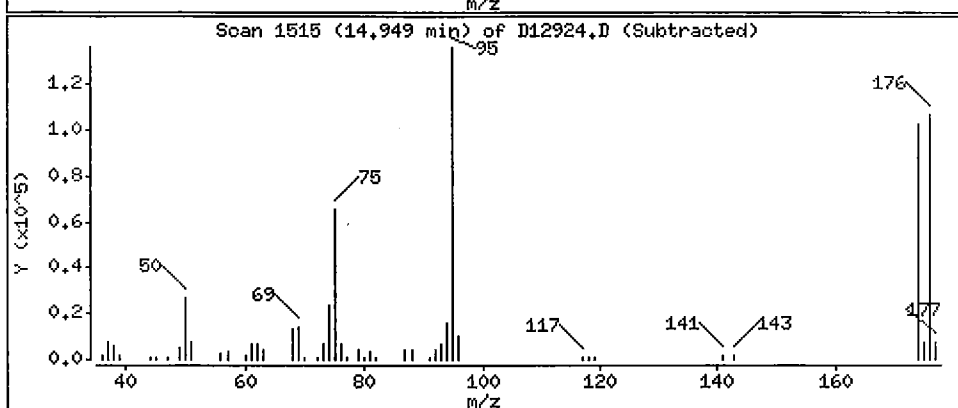
Column phase: J&W DB-624

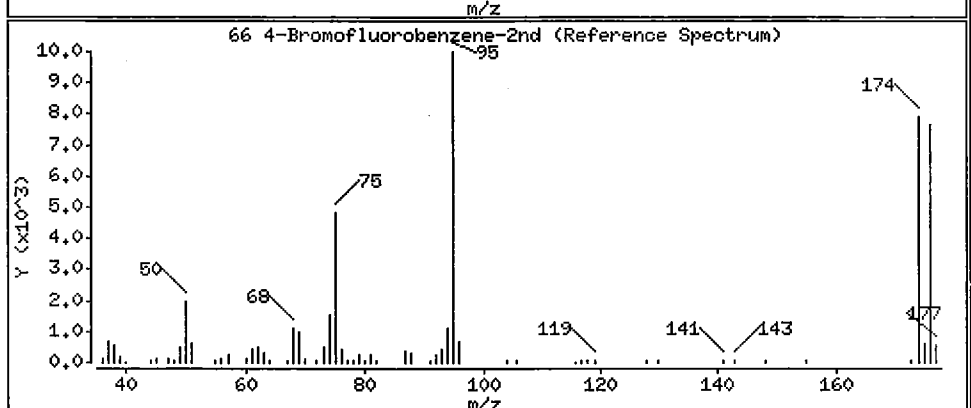
Column diameter: 0.53

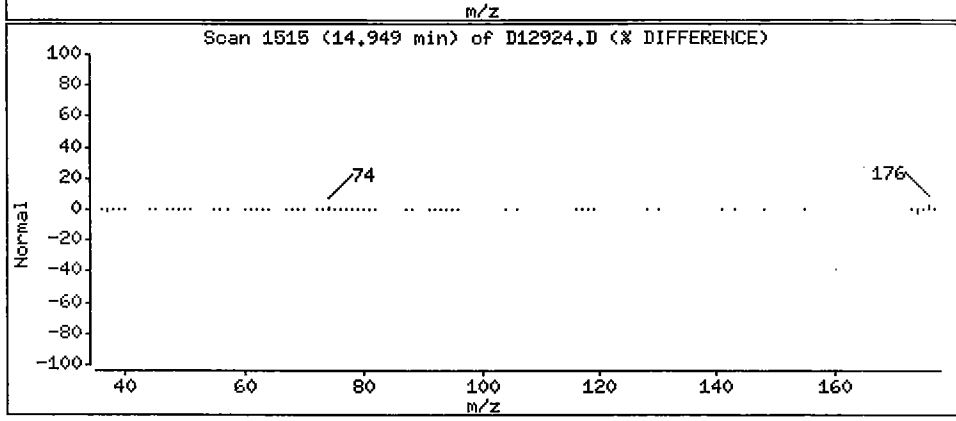
66 4-Bromofluorobenzene-2nd

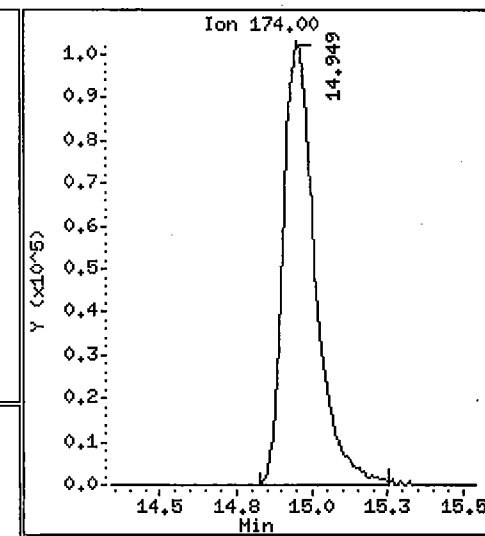
Concentration: 46.38 ug/Kg

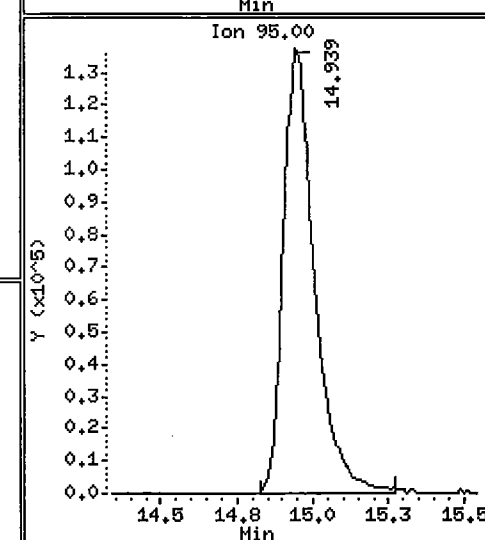


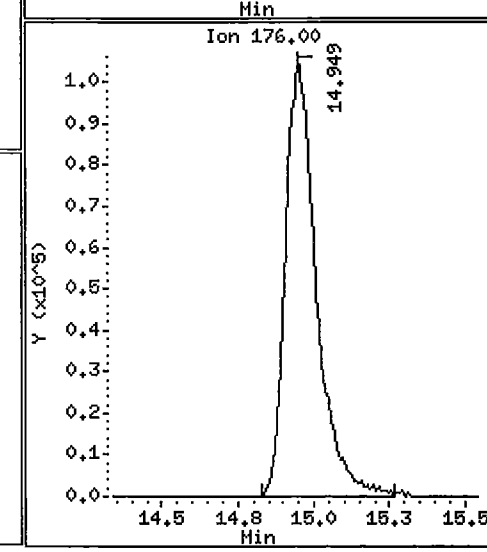












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12924.D

Date : 11-OCT-2000 15:45

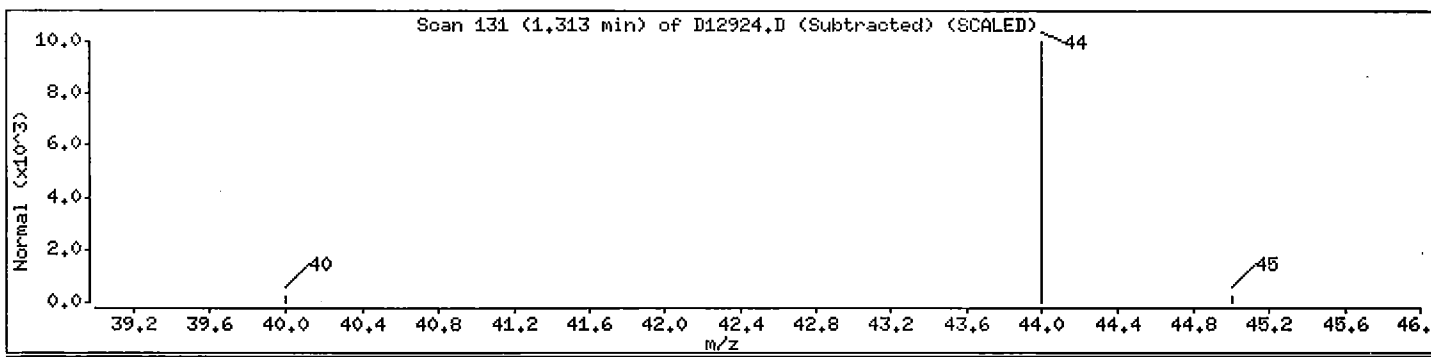
Client ID: D12924 Instrument: md.i

Sample Info: DLFK0101,,2,,0,1,0,8260BDA.M,D12924

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\1011AD.B\D12925.D
Lab Smp Id: DLFK5101 Client Smp ID: D12925
Inj Date : 11-OCT-2000 16:17
Operator : GFB Inst ID: md.i
Smp Info : DLFK5101,,2,,0,1,0,8260BDA.M,D12925
Misc Info : 150-22,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	5.973	5.967	(0.842)	868928	47.7415	47.74
$ 33 1,2-Dichloroethane-d4	65	6.515	6.509	(0.918)	545870	44.4333	44.43
34 1,2-Dichloroethane-d4 2nd	102	6.515	6.509	(0.918)	105691	42.6431	42.64
* 38 Fluorobenzene	96	7.096	7.090	(1.000)	1279584	50.0000	
39 Trichloroethene	130	7.736	7.730	(1.090)	207103	17.3173	17.32
$ 47 Toluene-d8	98	9.914	9.908	(0.786)	1157449	45.5467	45.55
* 56 Chlorobenzene-d5	117	12.613	12.607	(1.000)	1097739	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.958	14.942	(0.866)	717129	46.7003	46.70
$ 67 4-Bromofluorobenzene	95	14.948	14.932	(0.866)	903687	44.0923	44.09
* 79 1,4-Dichlorobenzene-d4	152	17.263	17.257	(1.000)	771194	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\1011AD.B\D12925.D
Lab Smp Id: DLFK5101 Client Smp ID: D12925
Inj Date : 11-OCT-2000 16:17
Operator : GFB Inst ID: md.i
Smp Info : DLFK5101,,2,,0,1,0,8260BDA.M,D12925
Misc Info : 150-22,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.096	2934080	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.322	465549	7.93347832	7.93	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFK5101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12925
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

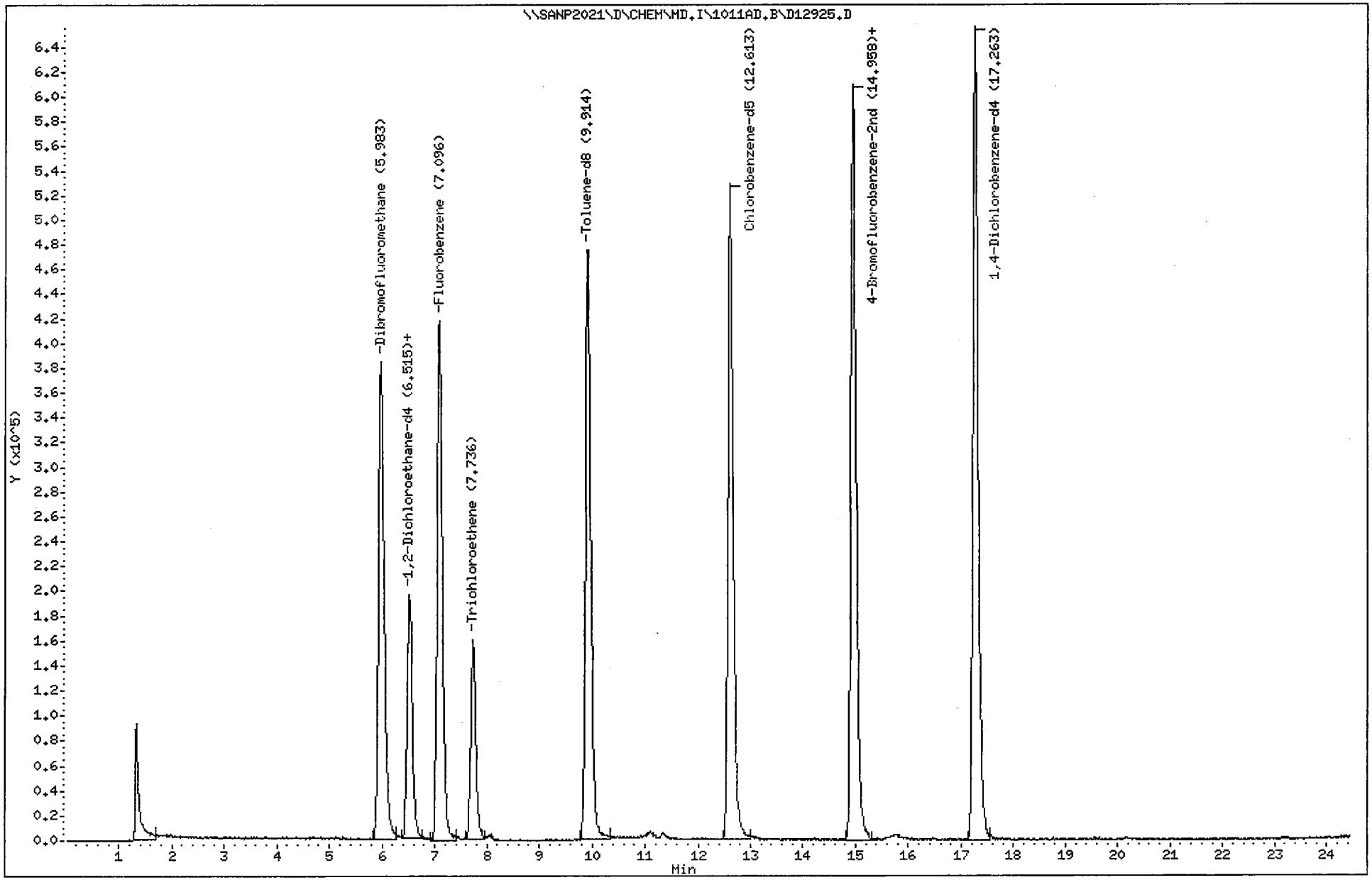
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown UV	1.322	7.93	J

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12925.D
Date : 11-OCT-2000 16:17
Client ID: D12925
Sample Info: DLFK5101,,2,,0,1,0,8260BDA.M,D12925

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



000612

BOE-C6-0147687

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12925.D

Date : 11-OCT-2000 16:17

Client ID: D12925

Instrument: md.i

Sample Info: DLFK5101,,2,,0,1,0,8260BDA.M,D12925

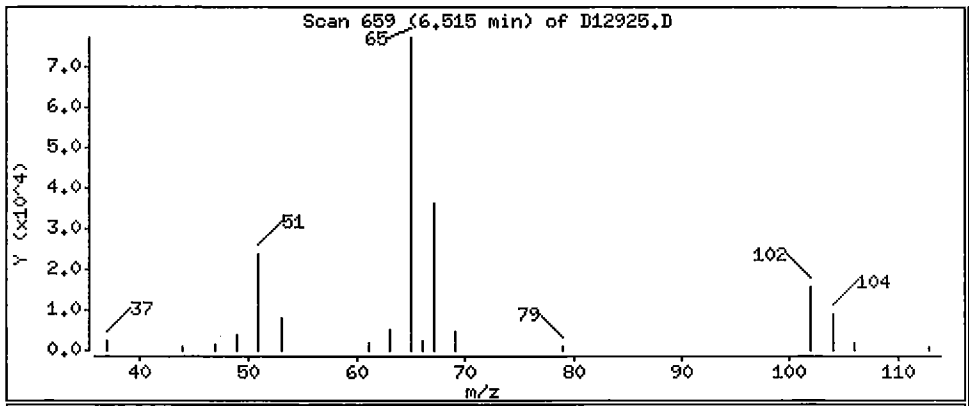
Operator: CFB

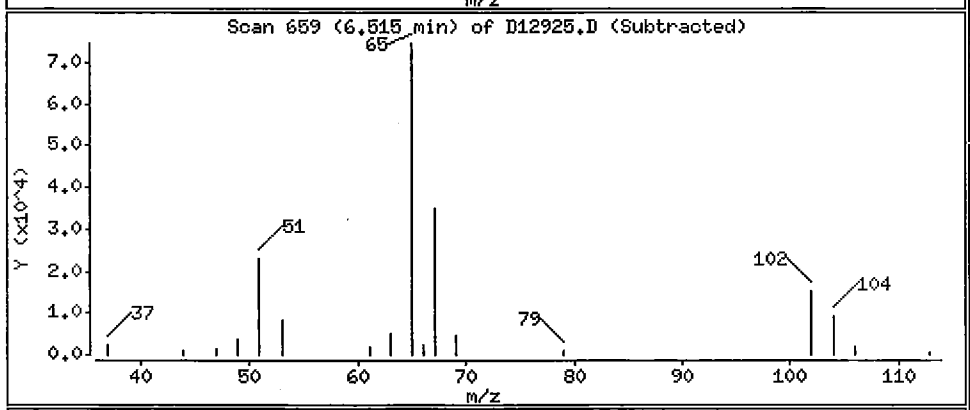
Column phase: J&W DB-624

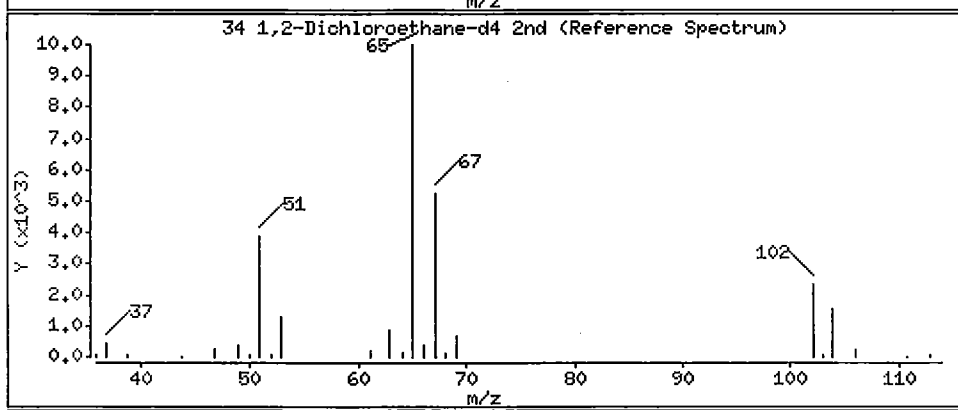
Column diameter: 0.53

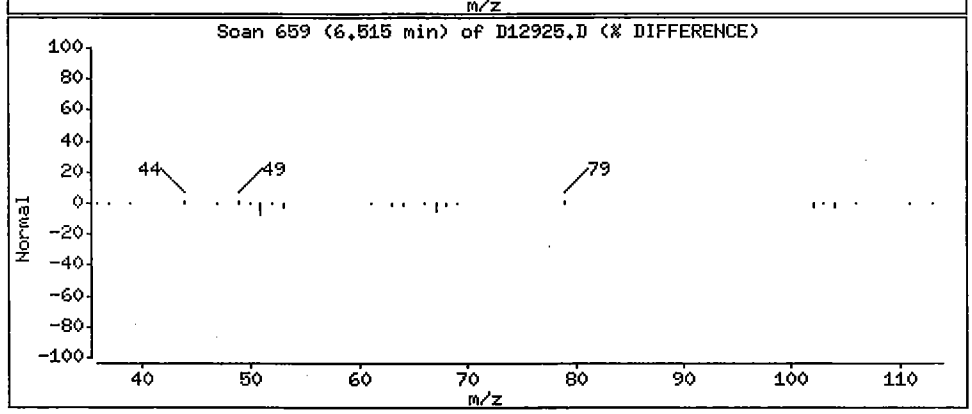
34 1,2-Dichloroethane-d4 2nd

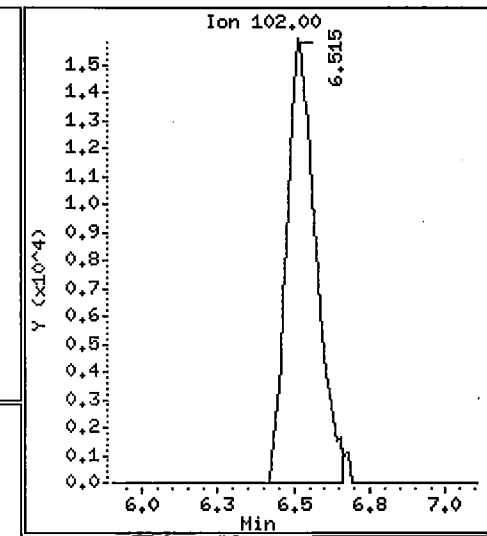
Concentration: 42.64 ug/Kg

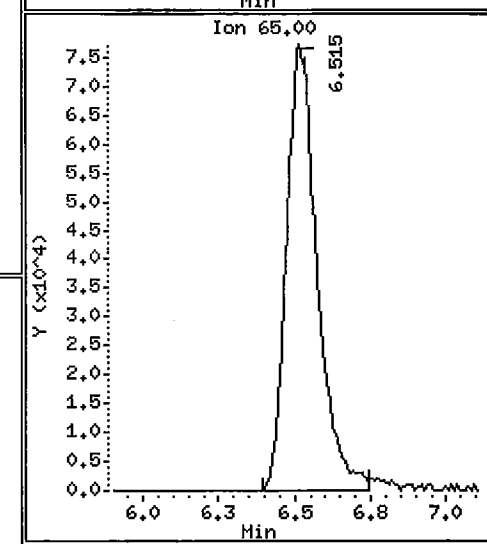












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12925.D

Date : 11-OCT-2000 16:17

Client ID: D12925

Instrument: md.i

Sample Info: DLFK5101,,2,,0,1,0,8260BDA,M,D12925

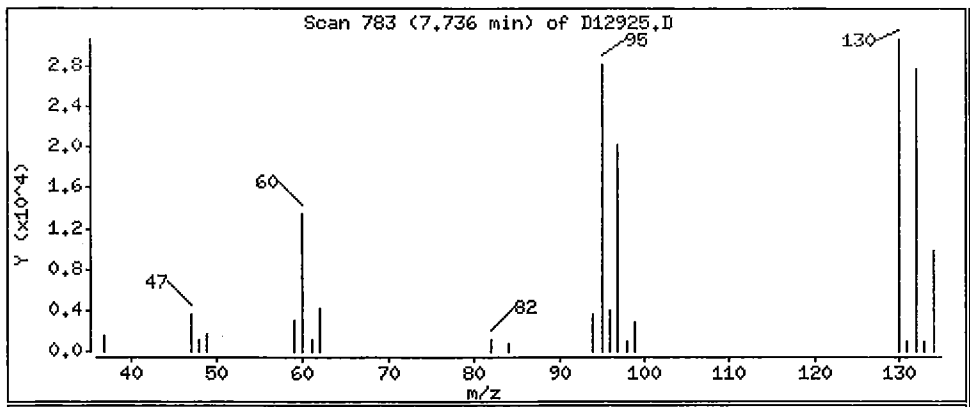
Operator: GFB

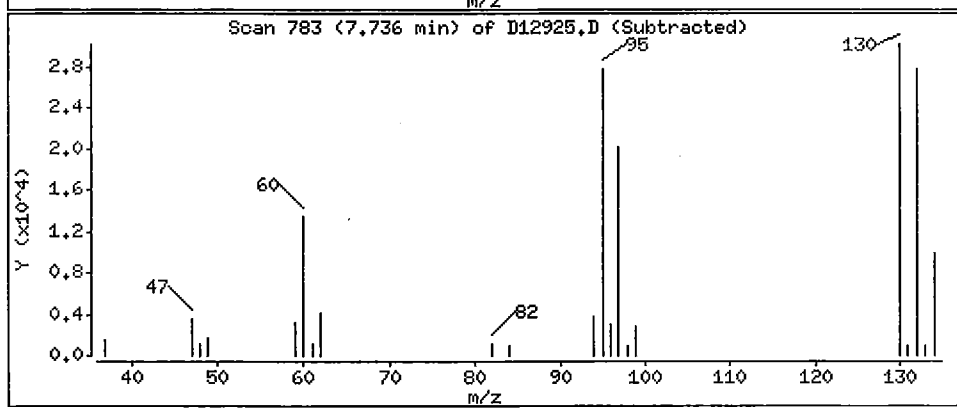
Column phase: J&W DB-624

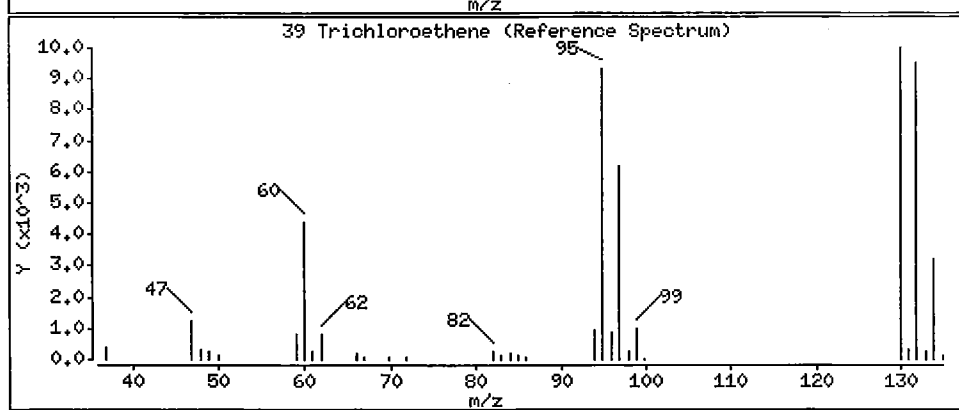
Column diameter: 0.53

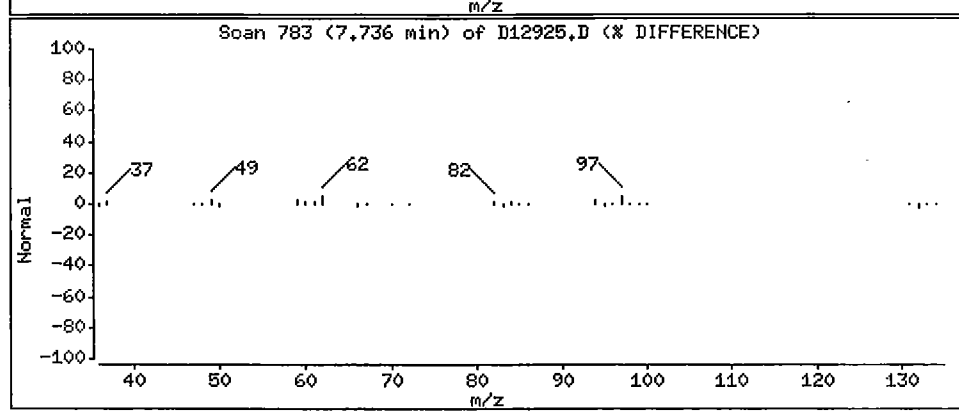
39 Trichloroethene

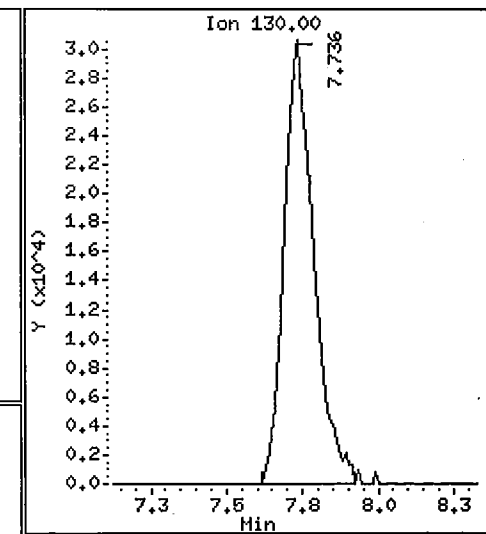
Concentration: 17.32 ug/Kg

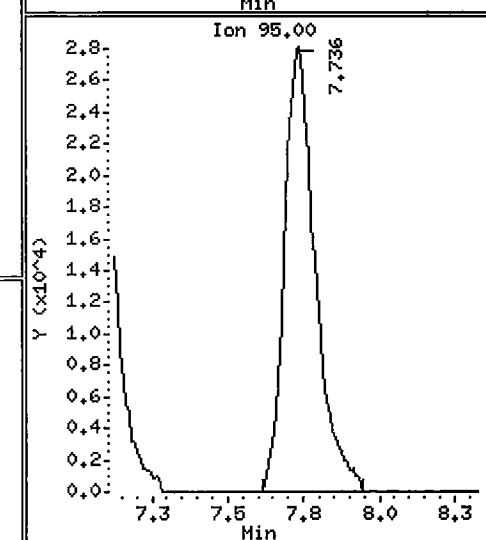


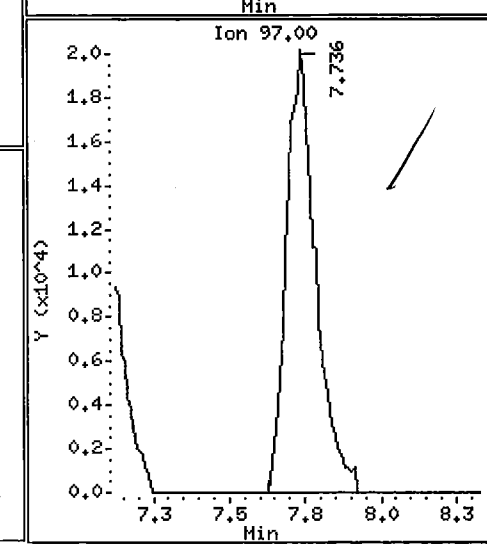












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12925.D

Date : 11-OCT-2000 16:17

Client ID: D12925

Instrument: md.i

Sample Info: DLFK5101,,2,,0,1,0,8260BDA.M,D12925

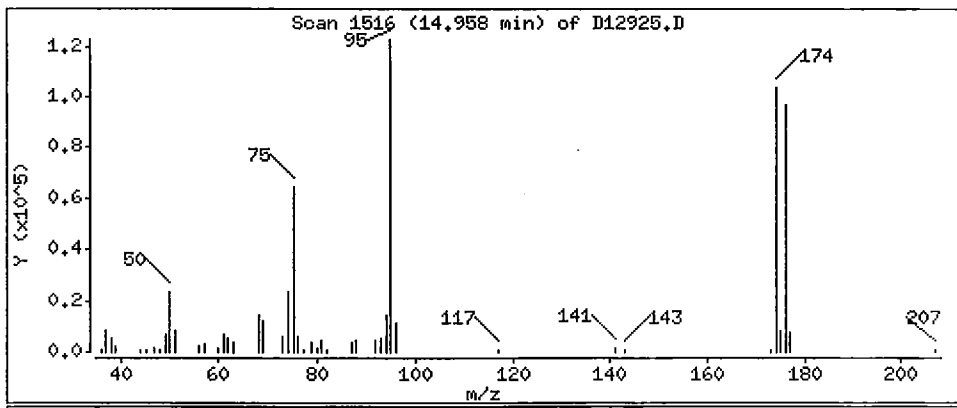
Operator: GFB

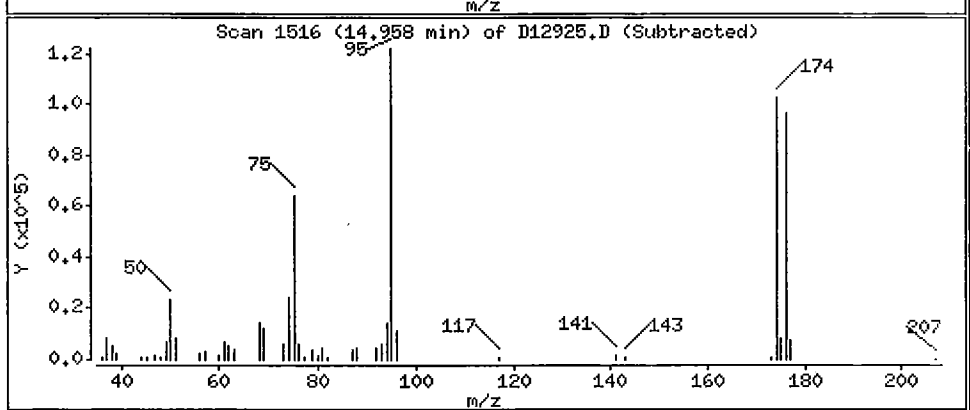
Column phase: J&W DB-624

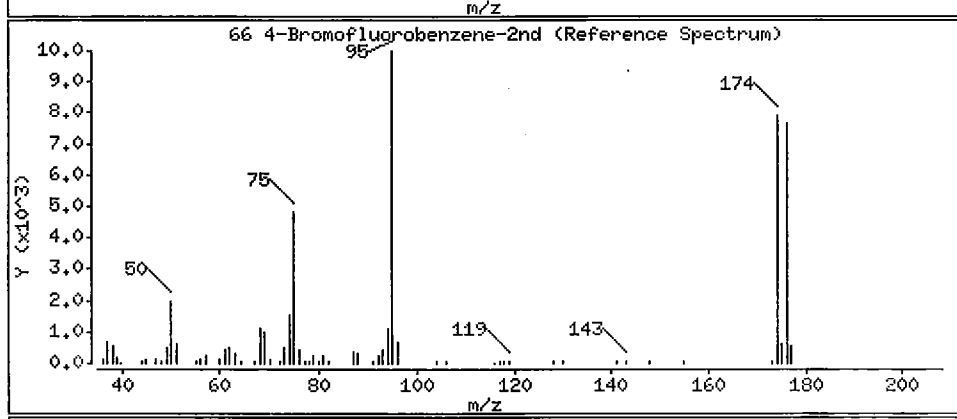
Column diameter: 0.53

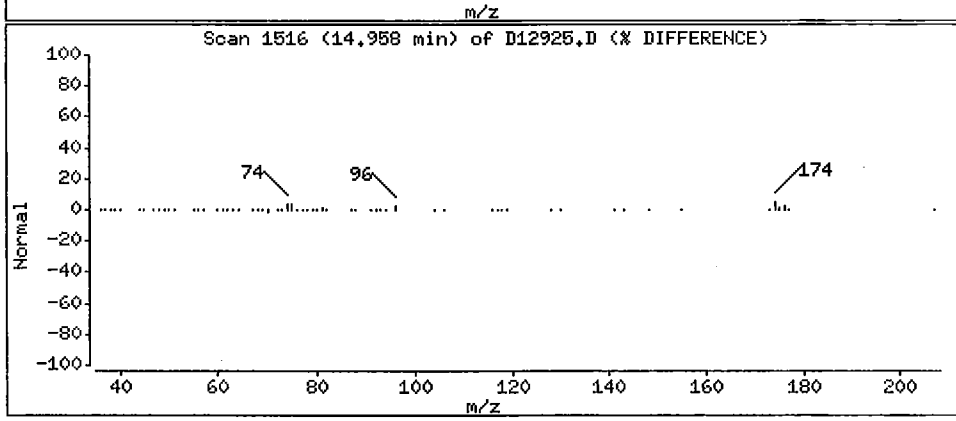
66 4-Bromofluorobenzene-2nd

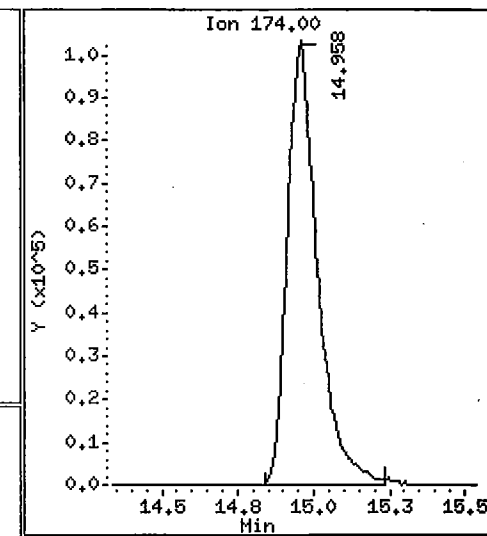
Concentration: 46.70 ug/Kg

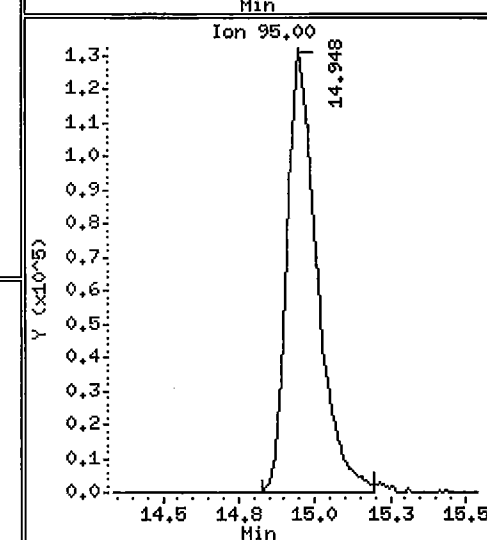


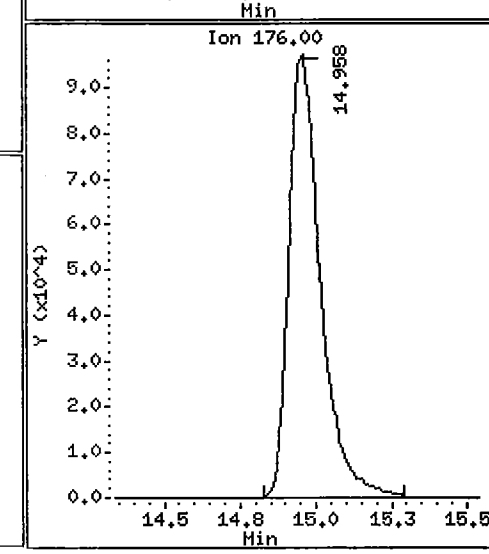












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12925.D

Date : 11-OCT-2000 16:17

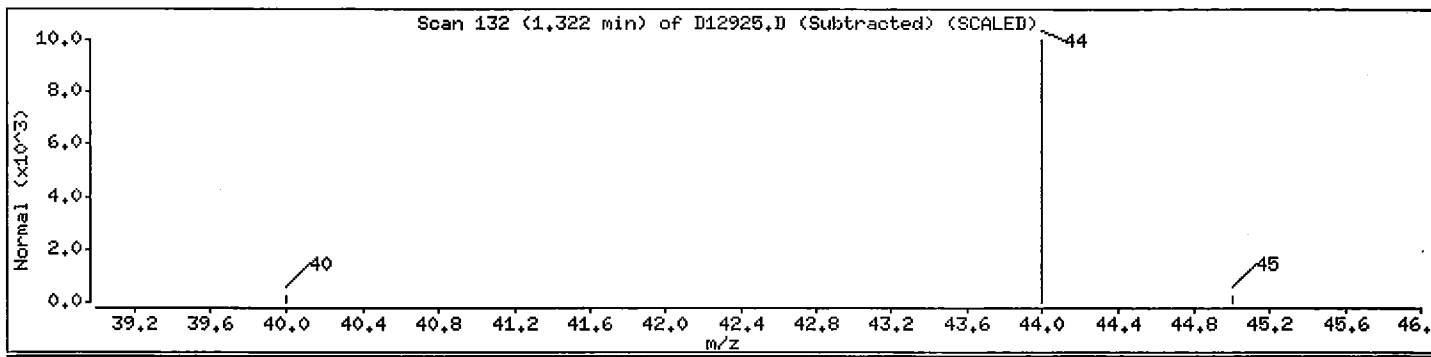
Client ID: D12925 Instrument: md.i

Sample Info: DLFK5101,,2,,0,1,0,8260BDA.M,D12925

Operator: GFB

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

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



CO_2

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1011AD.B\D12926.D
Lab Smp Id: DLFK7101 Client Smp ID: D12926
Inj Date : 11-OCT-2000 17:02
Operator : GFB Inst ID: md.i
Smp Info : DLFK7101,,2,,0,1,0,8260BDA.M,D12926
Misc Info : 150-23,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	5.967	(0.844)	899173	47.4706	47.47
$ 33 1,2-Dichloroethane-d4	65	6.524	6.509	(0.919)	570784	44.6437	44.64
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.509	(0.919)	118018	45.7537	45.75
36 1,2-Dichloroethane	62	7.105	6.646	(1.001)	15506	1.08960	1.09(aQ)
* 38 Fluorobenzene	96	7.095	7.090	(1.000)	1331680	50.0000	
$ 47 Toluene-d8	98	9.923	9.908	(0.787)	1184077	44.0659	44.06
* 56 Chlorobenzene-d5	117	12.612	12.607	(1.000)	1160731	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.947	14.942	(0.865)	754913	46.0745	46.07
$ 67 4-Bromofluorobenzene	95	14.957	14.932	(0.866)	985903	45.0838	45.08
* 79 1,4-Dichlorobenzene-d4	152	17.272	17.257	(1.000)	822854	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\1011AD.B\D12926.D
Lab Smp Id: DLFK7101 Client Smp ID: D12926
Inj Date : 11-OCT-2000 17:02
Operator : GFB Inst ID: md.i
Smp Info : DLFK7101,,2,,0,1,0,8260BDA.M,D12926
Misc Info : 150-23,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.095	3083262	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.322	708934	11.4964966	11.50	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFK7101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12926
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	1.322	11.50	J

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12926.D

Date : 11-OCT-2000 17:02

Client ID: D12926

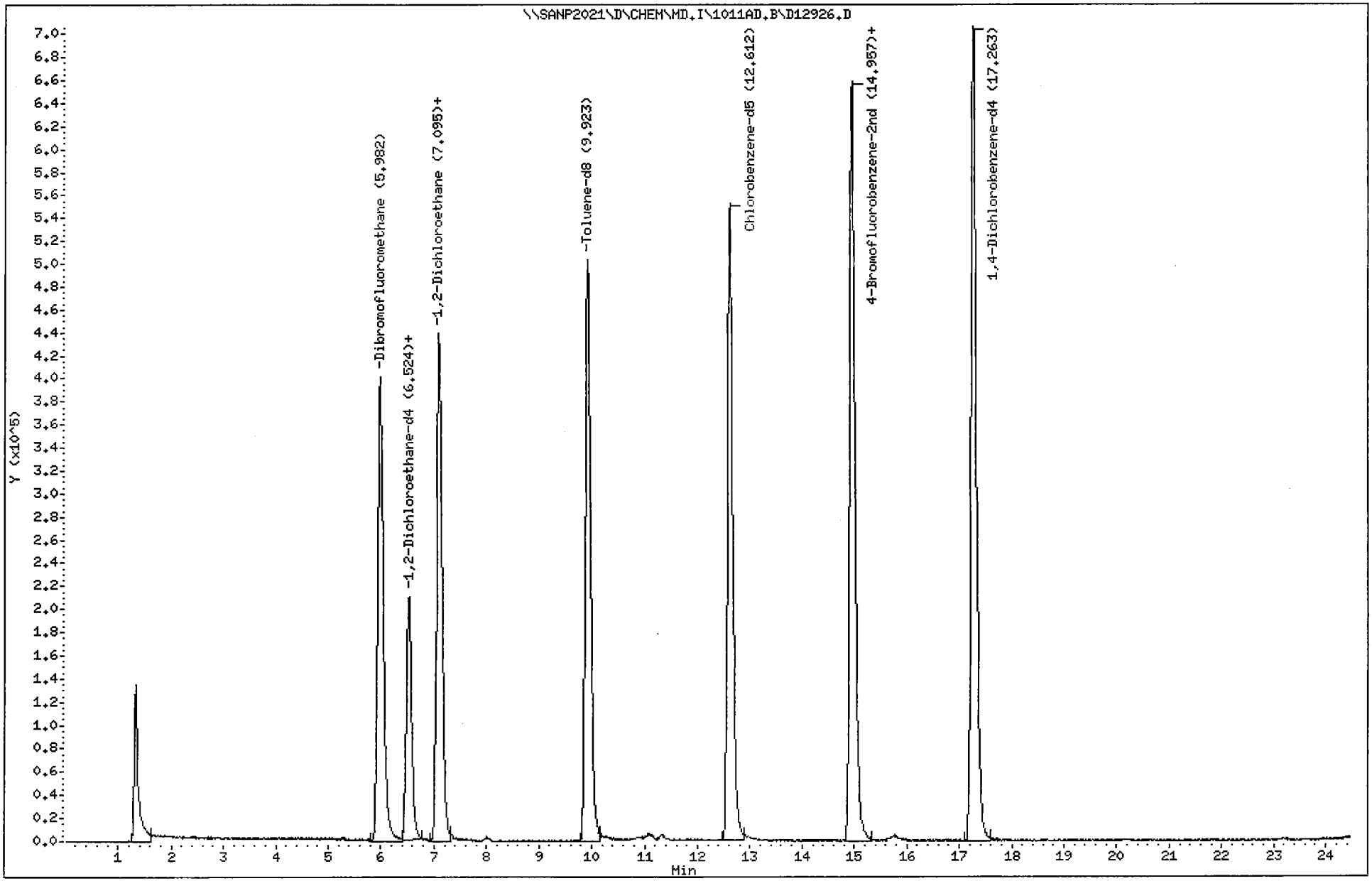
Sample Info: DLFK7101,,2,,0,1,0,8260BDA,M,D12926

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



000621

BOE-C6-0147696

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12926.D

Date : 11-OCT-2000 17:02

Client ID: D12926

Instrument: md.i

Sample Info: DLFK7101,,2,,0,1,0,8260BDA,M,D12926

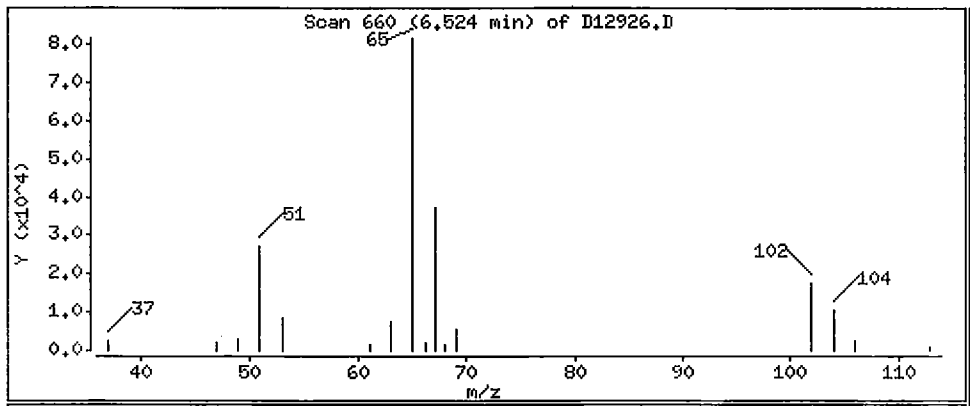
Operator: GFB

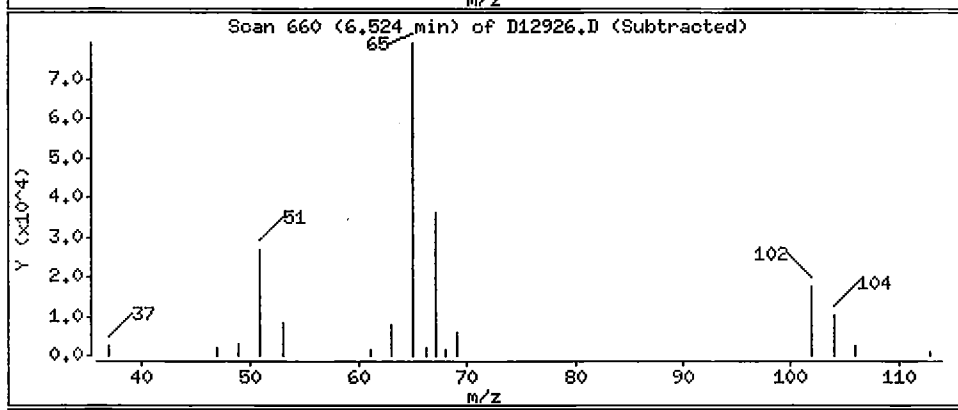
Column phase: J&W DB-624

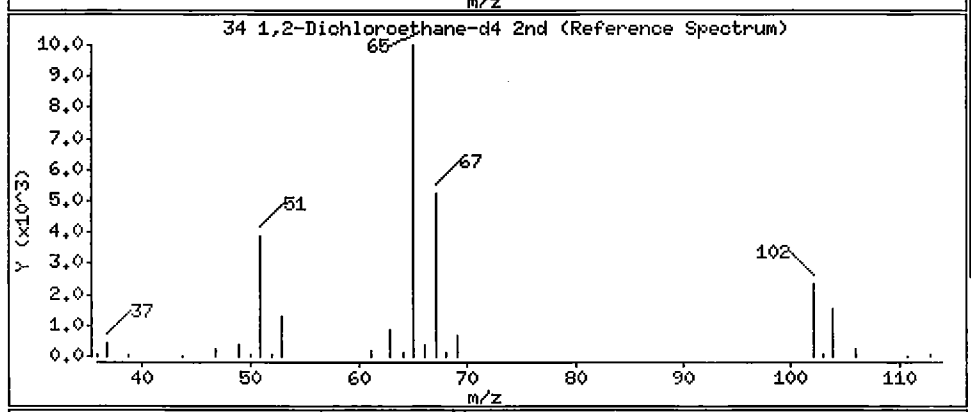
Column diameter: 0.53

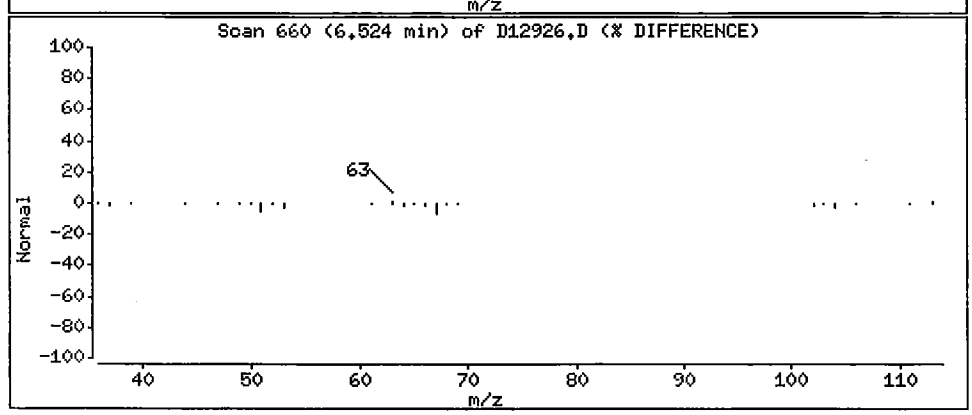
34 1,2-Dichloroethane-d4 2nd

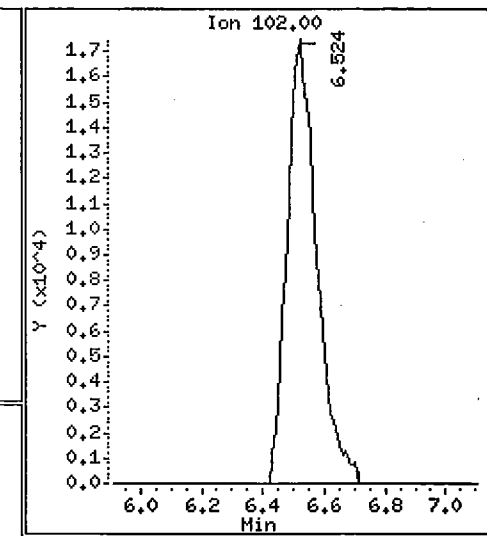
Concentration: 45.75 ug/Kg

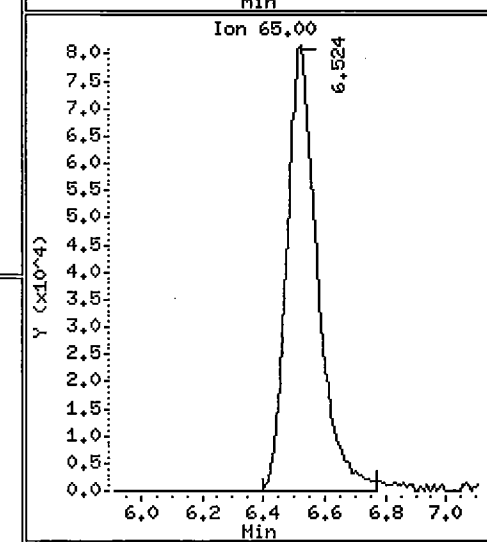












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12926.D

Date : 11-OCT-2000 17:02

Client ID: D12926

Instrument: md.i

Sample Info: DLFK7101,,2,,0,1,0,8260BDA.M,D12926

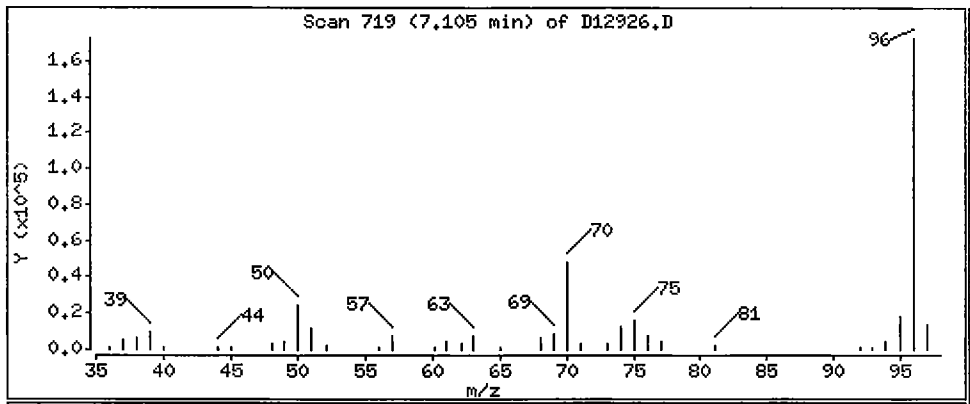
Operator: GFB

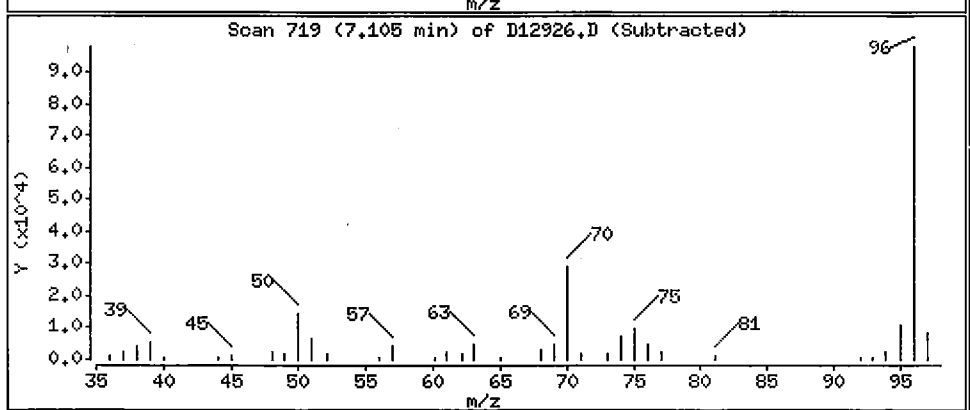
Column phase: J&W DB-624

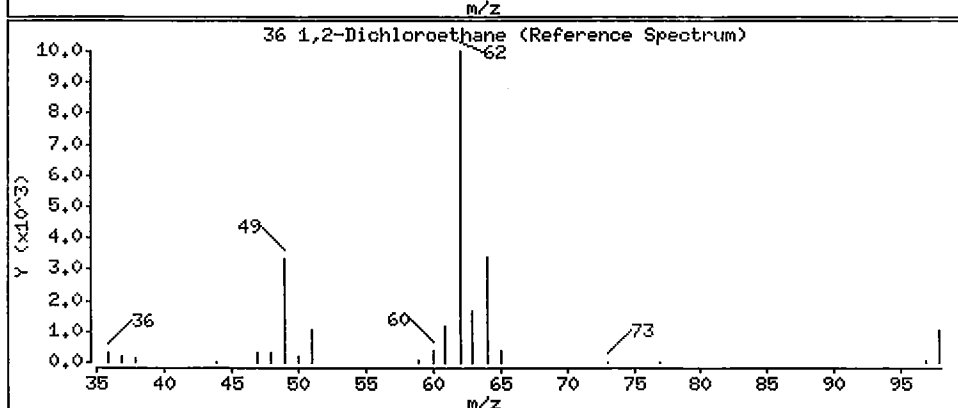
Column diameter: 0.53

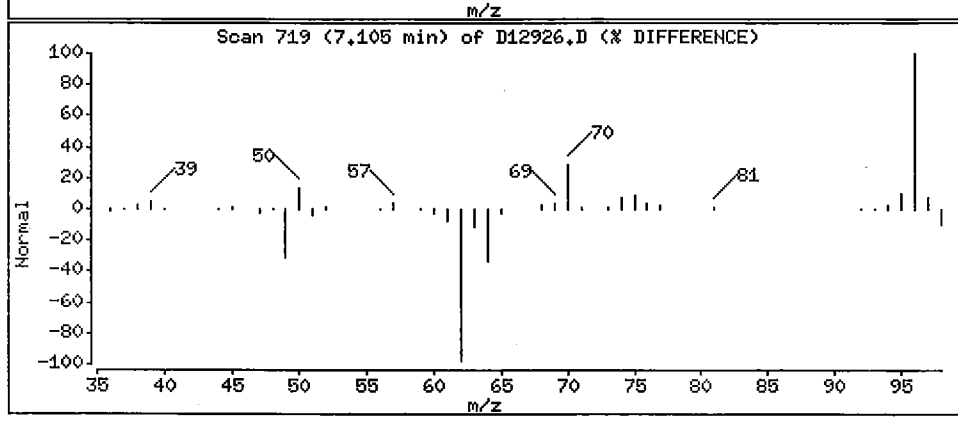
36 1,2-Dichloroethane

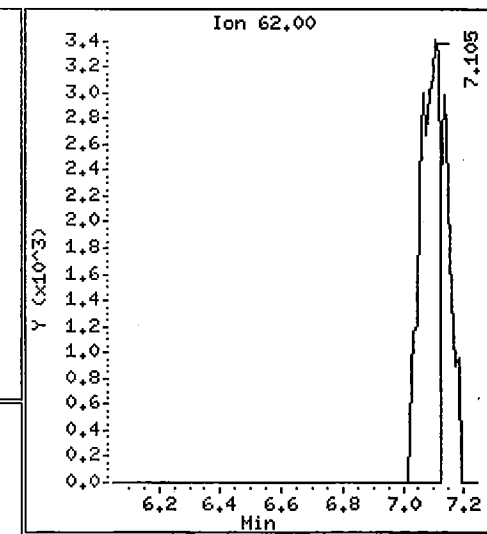
Concentration: 1.09 ug/Kg

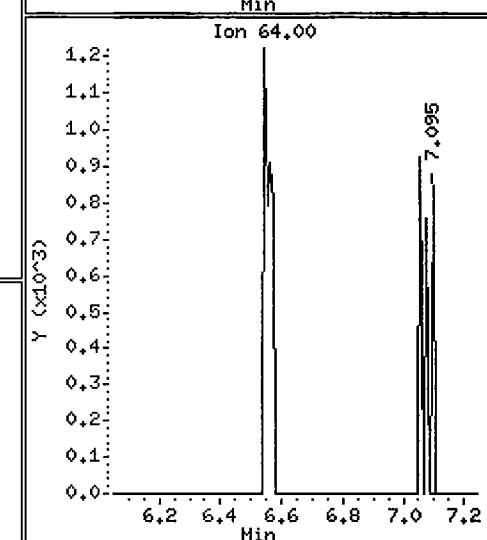


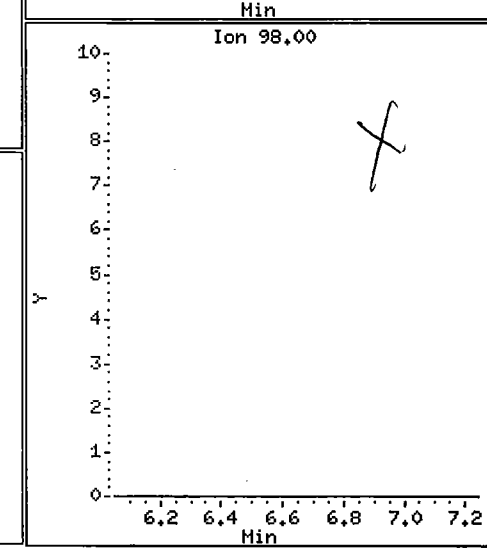












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12926.D

Date : 11-OCT-2000 17:02

Client ID: D12926

Instrument: md.i

Sample Info: DLFK7101,,2,,0,1,0,8260BDA.M,D12926

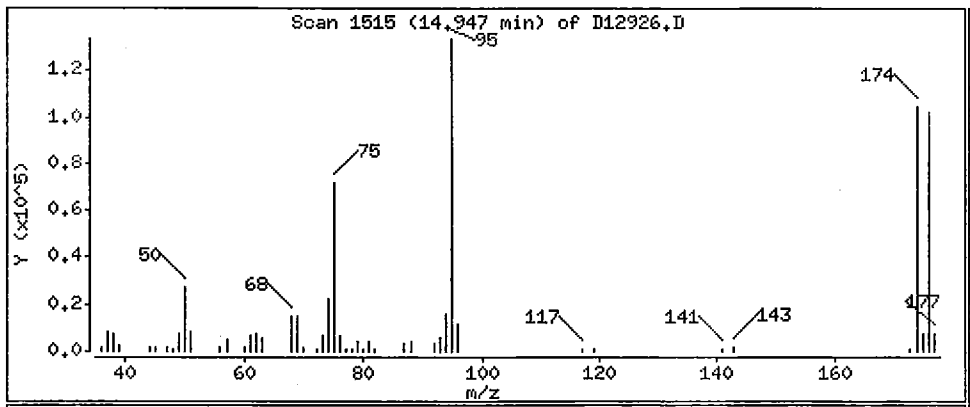
Operator: GFB

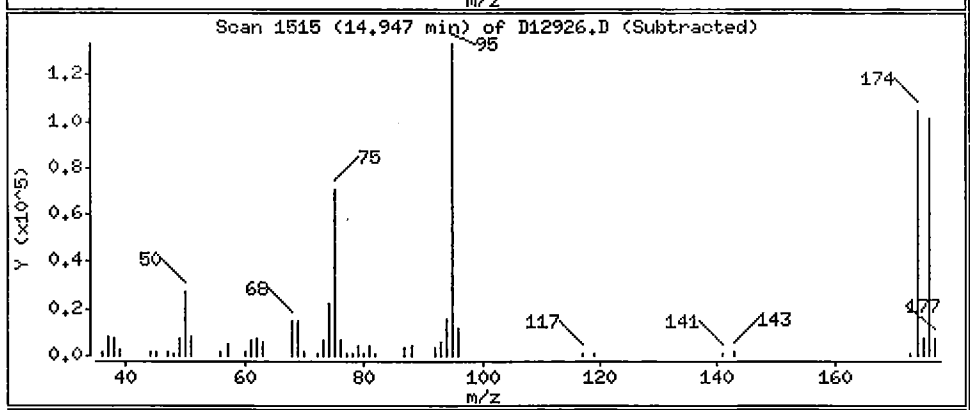
Column phase: J&W DB-624

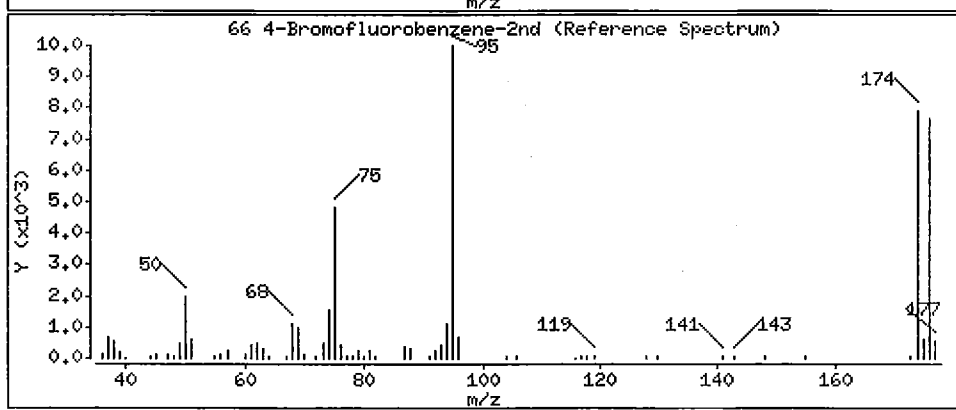
Column diameter: 0.53

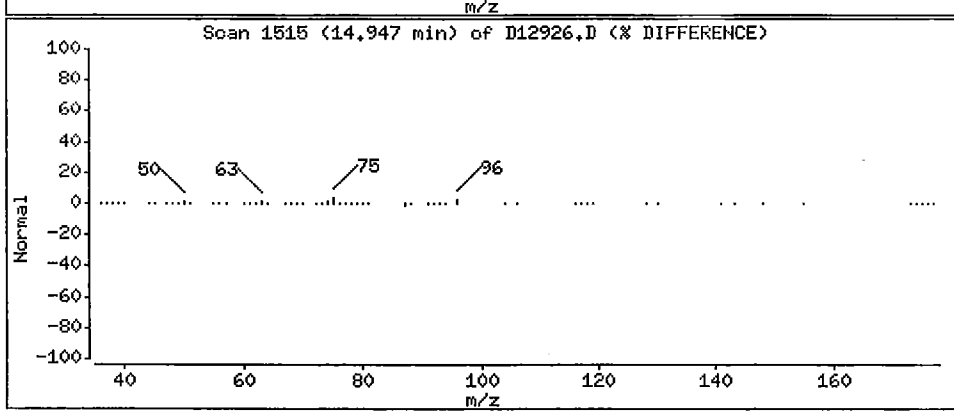
66 4-Bromofluorobenzene-2nd

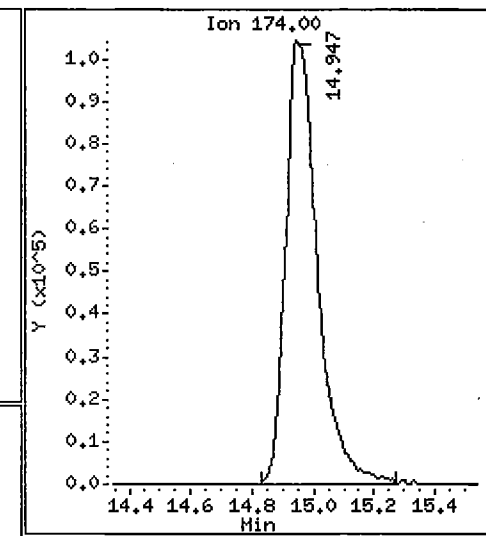
Concentration: 46.07 ug/Kg

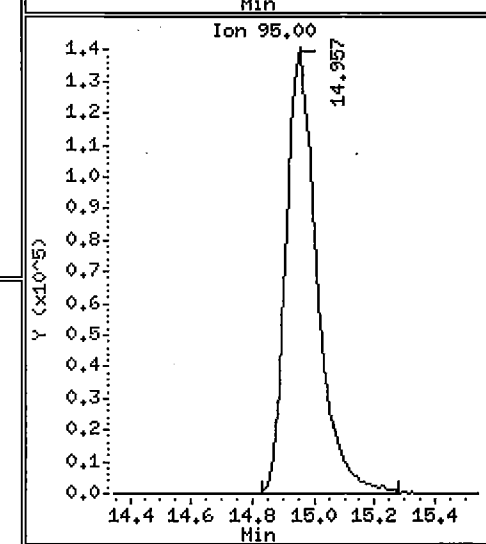


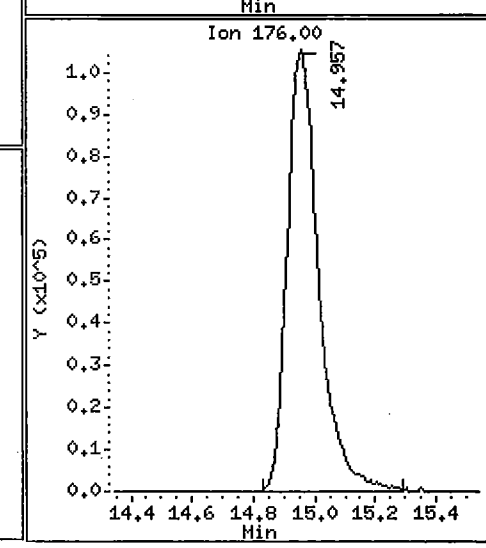












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12926.D

Date : 11-OCT-2000 17:02

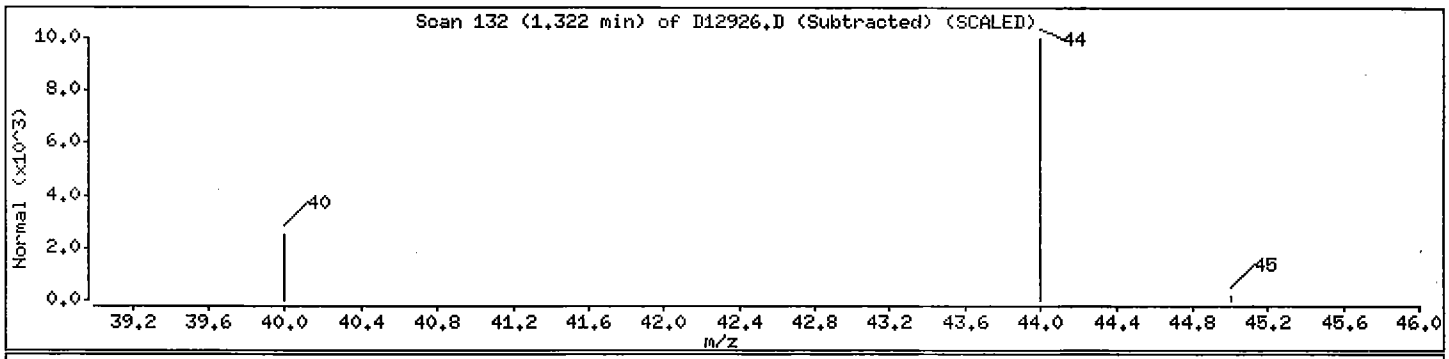
Client ID: D12926 Instrument: md.i

Sample Info: DLFK7101,,2,,0,1,0,8260BDA.M,D12926

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\1011AD.B\D12927.D
Lab Smp Id: DLFKA101 Client Smp ID: D12927
Inj Date : 11-OCT-2000 17:34
Operator : GFB Inst ID: md.i
Smp Info : DLFKA101,,2,,0,1,0,8260BDA.M,D12927
Misc Info : 150-24,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	5.963	5.967	(0.842)	777198	50.4461	50.45	
$ 33 1,2-Dichloroethane-d4	65	6.515	6.509	(0.919)	464273	44.6453	44.64	
34 1,2-Dichloroethane-d4 2nd	102	6.505	6.509	(0.918)	94031	44.8194	44.82	
* 38 Fluorobenzene	96	7.087	7.090	(1.000)	1083142	50.0000		
$ 47 Toluene-d8	98	9.914	9.908	(0.787)	1061135	47.4592	47.46	
* 56 Chlorobenzene-d5	117	12.604	12.607	(1.000)	965839	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.949	14.942	(0.866)	658079	47.9684	47.97	
$ 67 4-Bromofluorobenzene	95	14.939	14.932	(0.865)	852857	46.5775	46.58	
* 79 1,4-Dichlorobenzene-d4	152	17.264	17.257	(1.000)	688983	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\1011AD.B\D12927.D
Lab Smp Id: DLFKA101 Client Smp ID: D12927
Inj Date : 11-OCT-2000 17:34
Operator : GFB Inst ID: md.i
Smp Info : DLFKA101,,2,,0,1,0,8260BDA.M,D12927
Misc Info : 150-24,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.087	2479584	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.323	365343	7.36701699	7.37	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFKA101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12927
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 COL	1.323	7.37	J

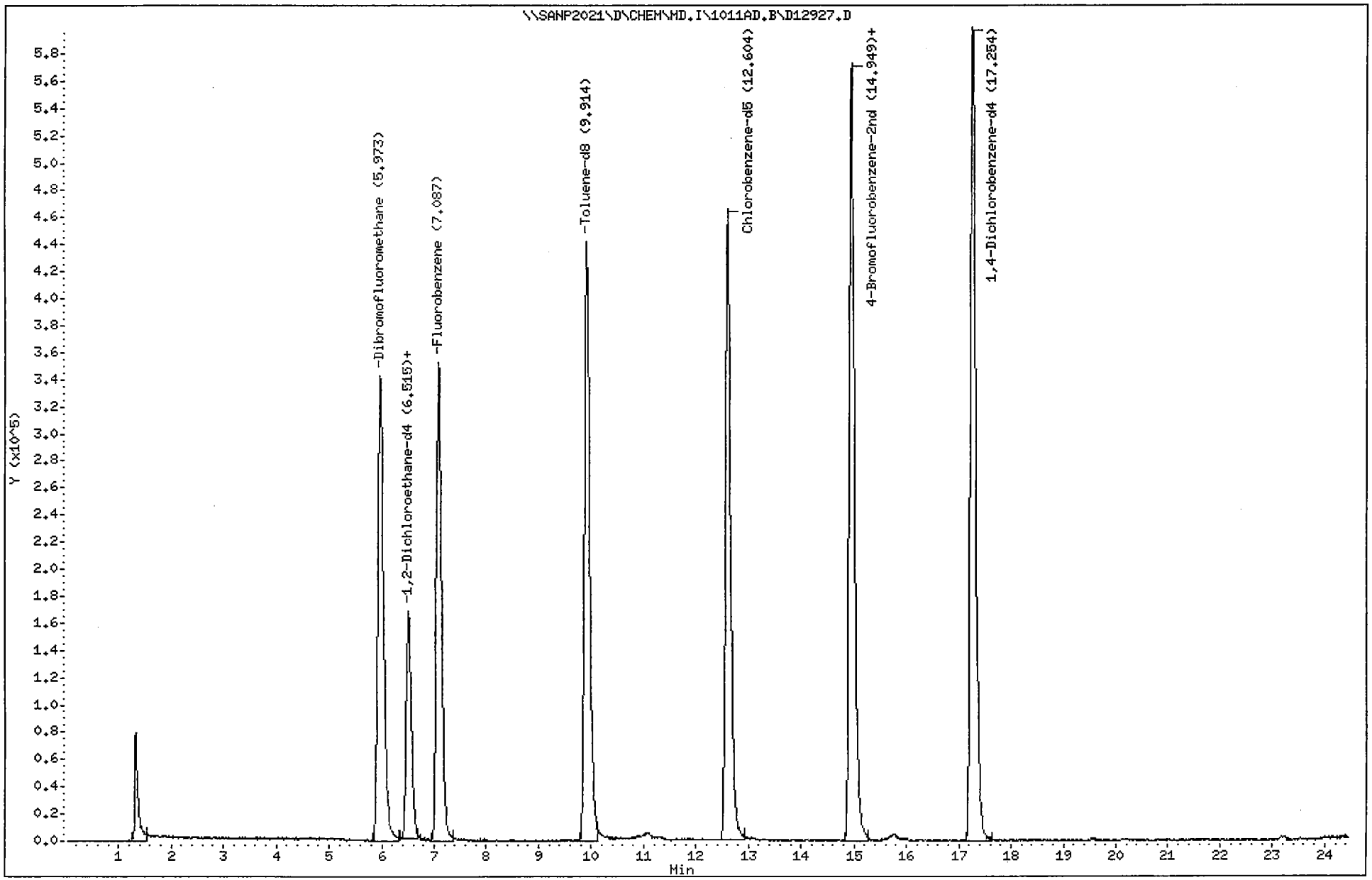
Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12927.D
Date : 11-OCT-2000 17:34
Client ID: D12927
Sample Info: DLFKA101,,2,,0,1,0,8260BDA.M,D12927

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000629

BOE-C6-0147704

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12927.D

Date : 11-OCT-2000 17:34

Client ID: D12927

Instrument: md.i

Sample Info: DLFKA101,,2,,0,1,0,8260BDA,M,D12927

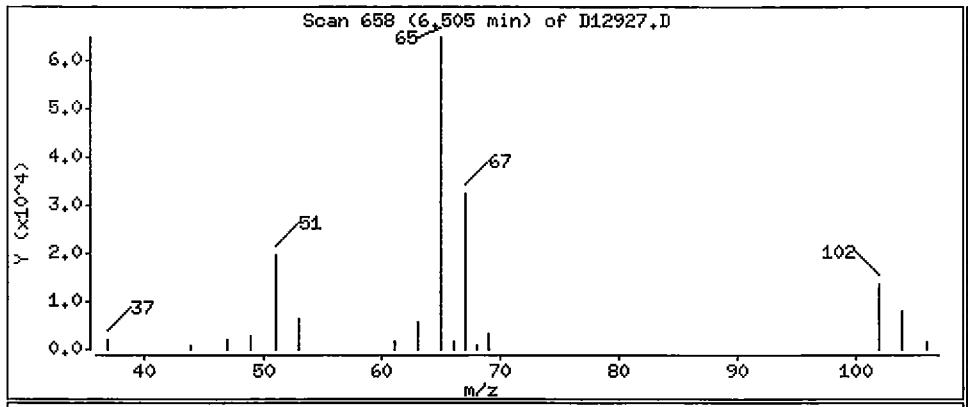
Operator: GFB

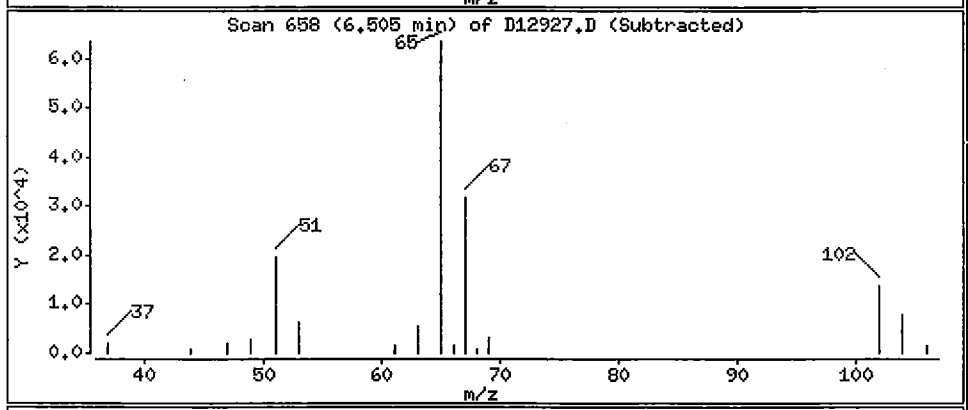
Column phase: J&W DB-624

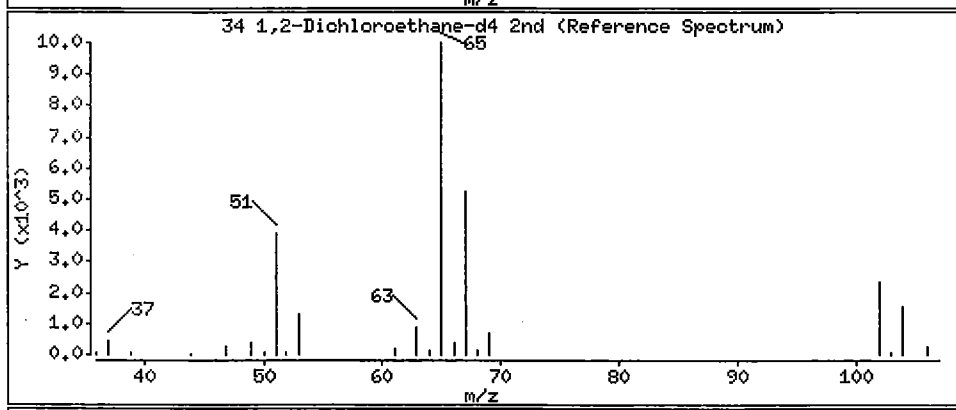
Column diameter: 0.53

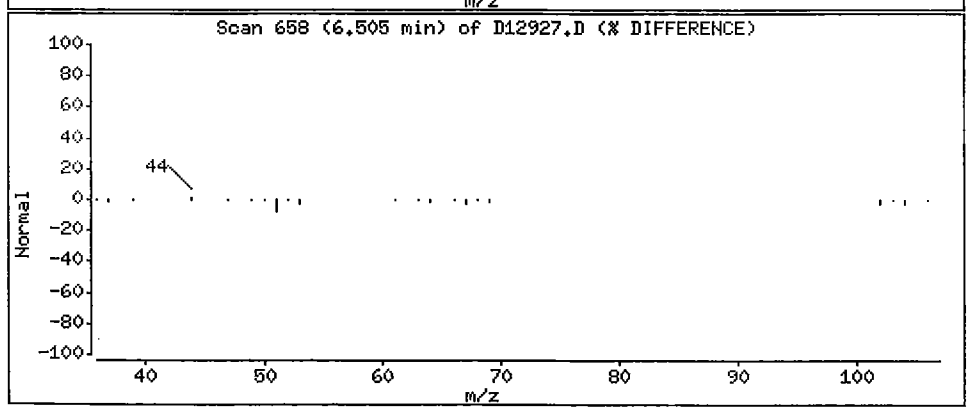
34 1,2-Dichloroethane-d4 2nd

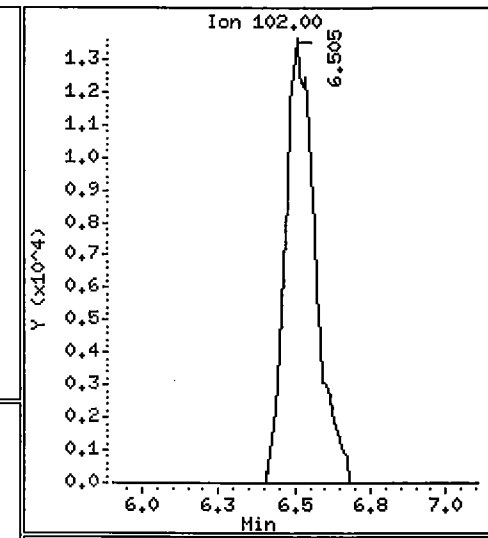
Concentration: 44.82 ug/Kg

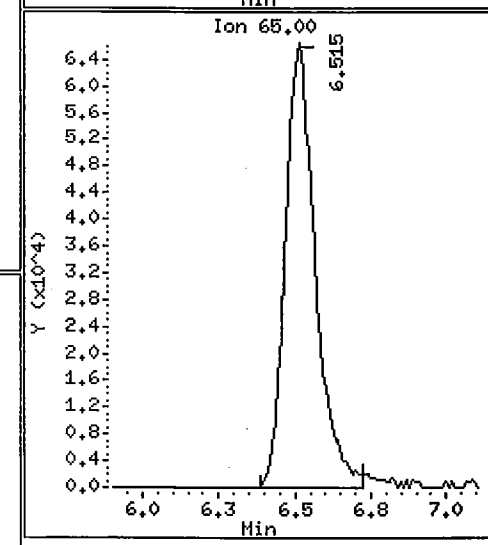












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12927.D

Date : 11-OCT-2000 17:34

Client ID: D12927

Instrument: md.i

Sample Info: DLFKA101,,2,,0,1,0,8260BDA.M,D12927

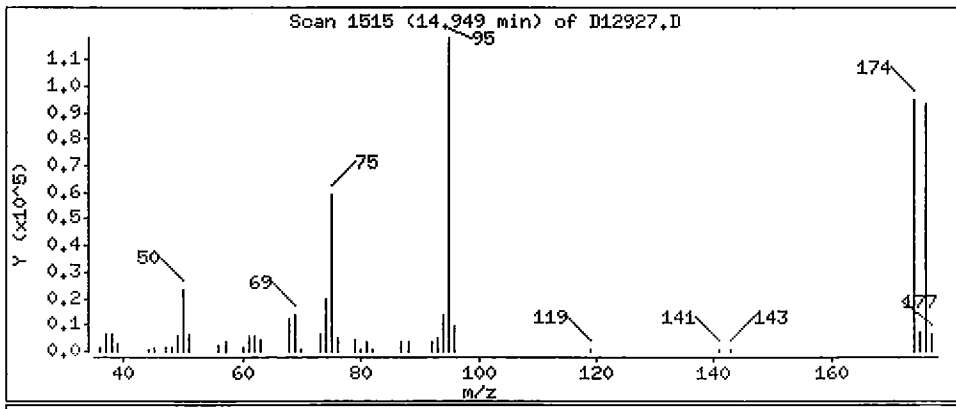
Operator: GFB

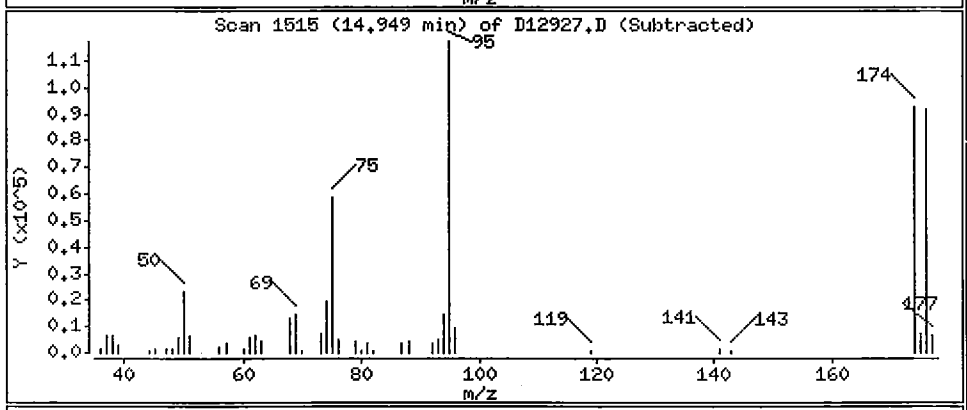
Column phase: J&W DB-624

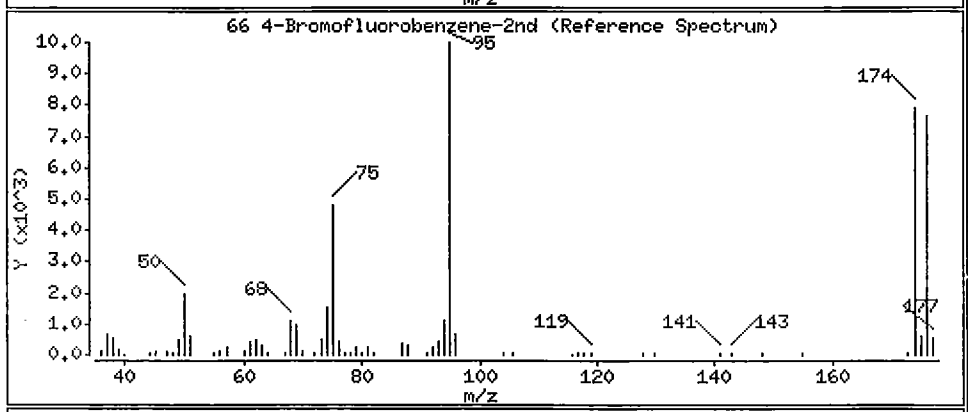
Column diameter: 0.53

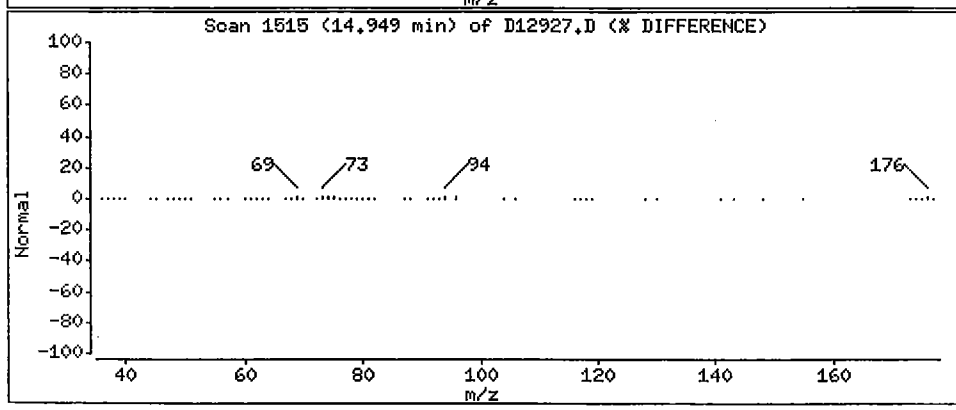
66 4-Bromofluorobenzene-2nd

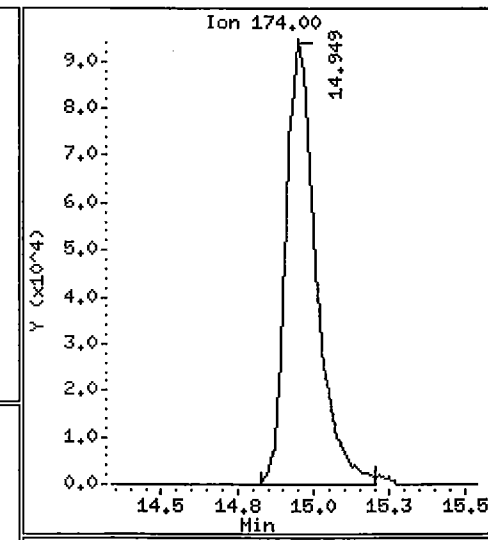
Concentration: 47.97 ug/Kg

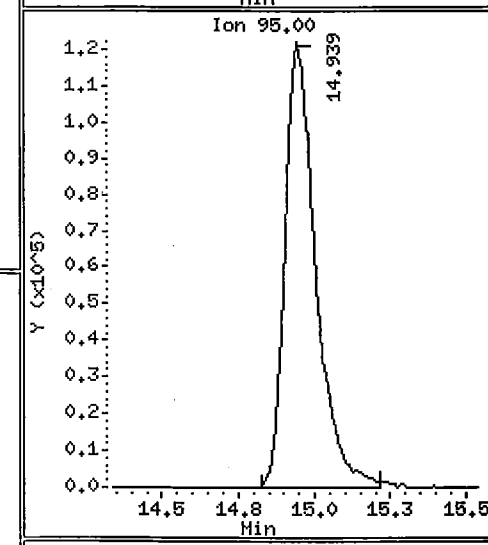


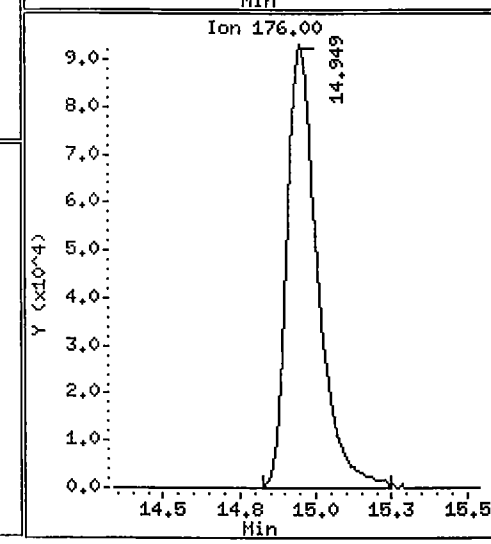












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12927.D

Date : 11-OCT-2000 17:34

Client ID: D12927

Instrument: md.i

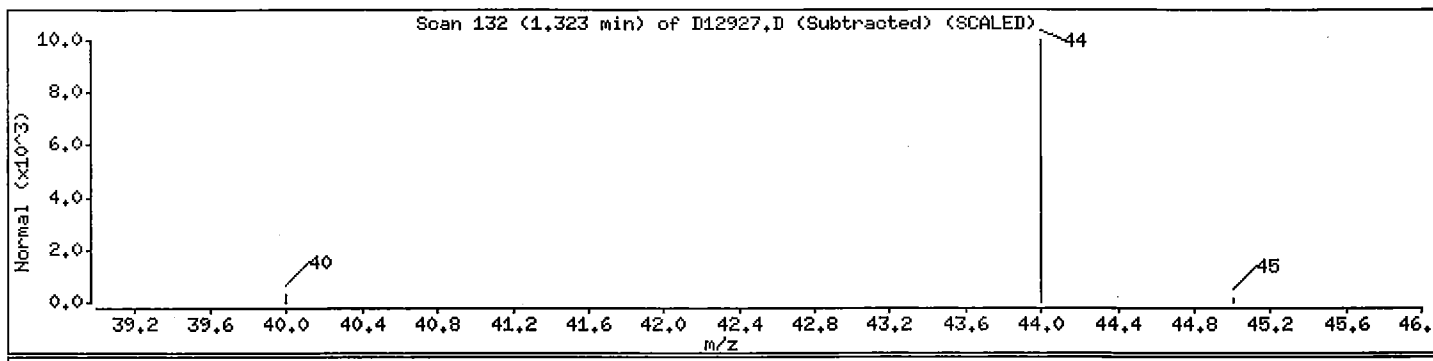
Sample Info: DLFKA101,,2,,0,1,0,8260BDA.M,D12927

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

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



02

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1011AD.B\D12928.D
Lab Smp Id: DLFKD101 Client Smp ID: D12928
Inj Date : 11-OCT-2000 18:06
Operator : GFB Inst ID: md.i
Smp Info : DLFKD101,,2,,0,1,0,8260BDA.M,D12928
Misc Info : 150-25,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	5.988	5.967	(0.846)	812280	46.4919	46.49
$ 33 1,2-Dichloroethane-d4	65	6.511	6.509	(0.919)	516998	43.8398	43.84
34 1,2-Dichloroethane-d4 2nd	102	6.511	6.509	(0.919)	100898	42.4084	42.41
36 1,2-Dichloroethane	62	7.092	6.646	(1.001)	18981	1.44604	1.45(aQ)
* 38 Fluorobenzene	96	7.082	7.090	(1.000)	1228313	50.0000	
$ 47 Toluene-d8	98	9.909	9.908	(0.785)	1114513	44.5788	44.58
* 56 Chlorobenzene-d5	117	12.619	12.607	(1.000)	1079970	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.954	14.942	(0.866)	712199	46.1862	46.19
$ 67 4-Bromofluorobenzene	95	14.954	14.932	(0.866)	905497	43.9967	44.00
* 79 1,4-Dichlorobenzene-d4	152	17.259	17.257	(1.000)	774419	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\1011AD.B\D12928.D
Lab Smp Id: DLFKD101 Client Smp ID: D12928
Inj Date : 11-OCT-2000 18:06
Operator : GFB Inst ID: md.i
Smp Info : DLFKD101,,2,,0,1,0,8260BDA.M,D12928
Misc Info : 150-25,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.082	2812956	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.318	475531	8.45251390	8.45	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFKD101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12928
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 CO_2	1.318	8.45	J

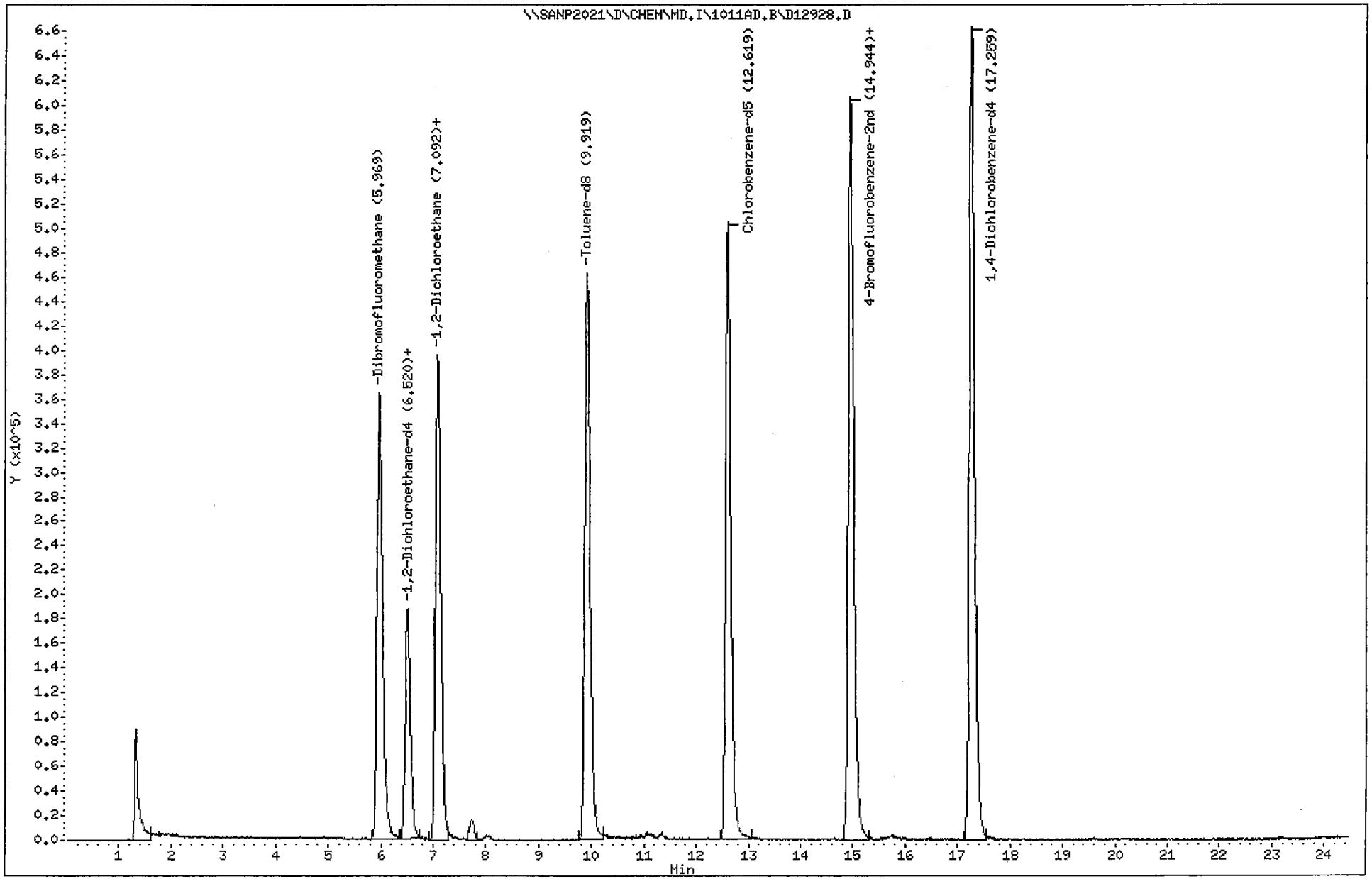
Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12928.D
Date : 11-OCT-2000 18:06
Client ID: D12928
Sample Info: DLFKD101,,2,,0,1,0,8260BDA.M,D12928

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



BOE-C6-0147712

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12928.D

Date : 11-OCT-2000 18:06

Client ID: D12928

Instrument: md.i

Sample Info: DLFKD101,,2,,0,1,0,8260BDA.M,D12928

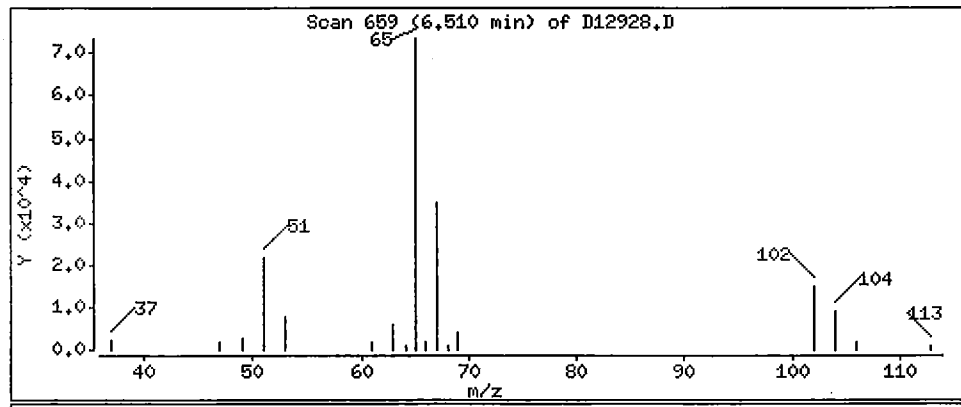
Operator: GFB

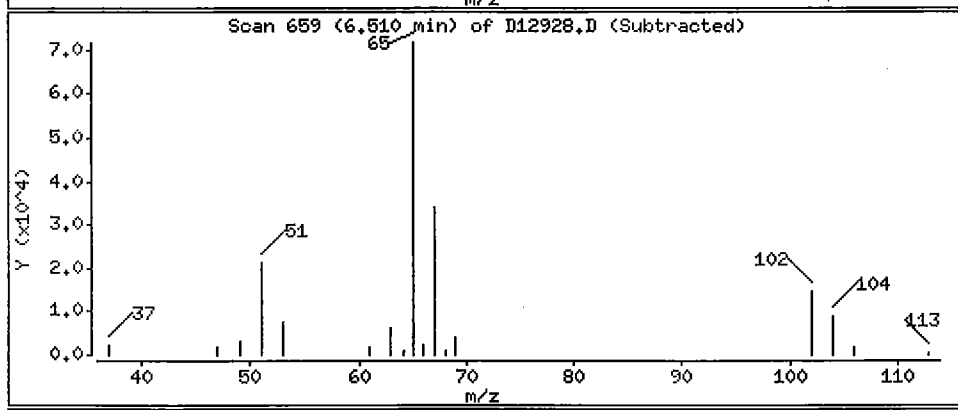
Column phase: J&W DB-624

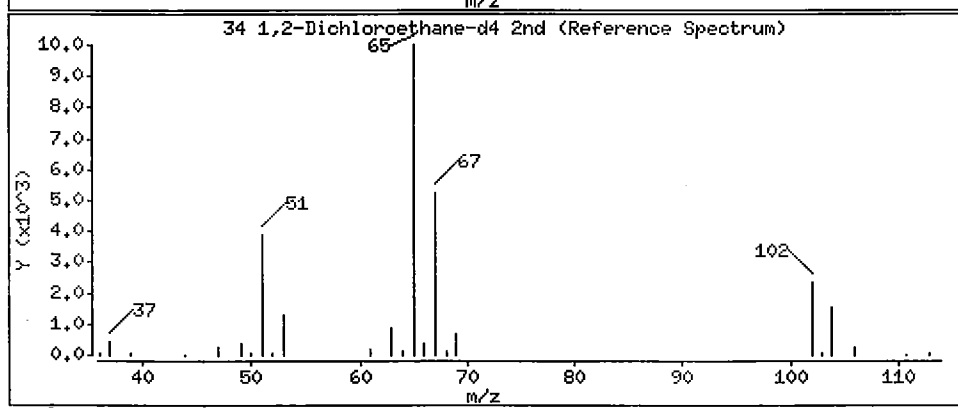
Column diameter: 0.53

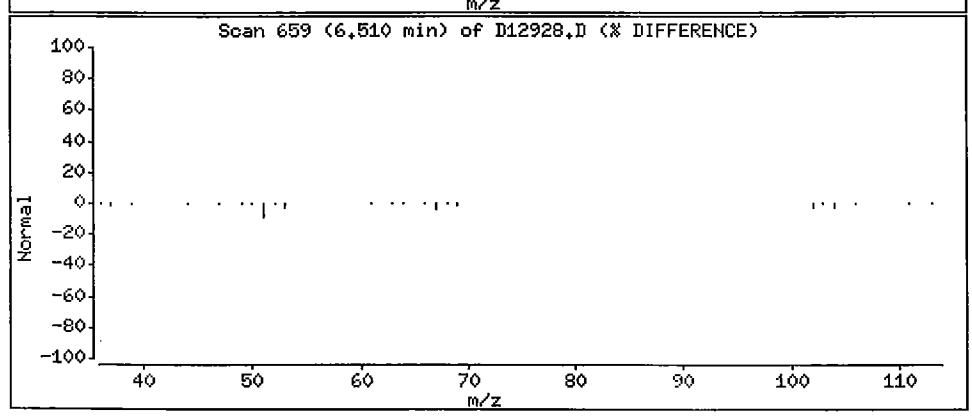
34 1,2-Dichloroethane-d4 2nd

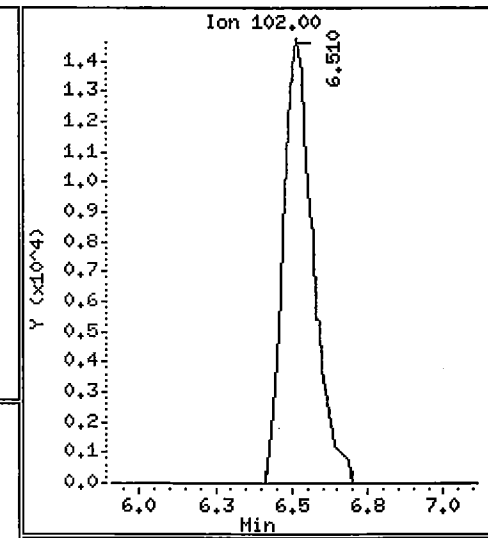
Concentration: 42.41 ug/Kg

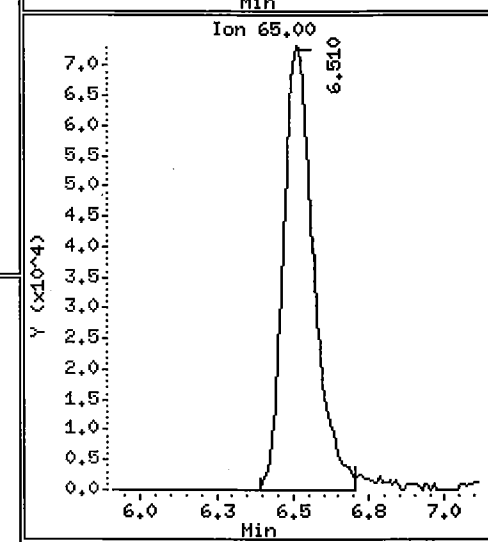












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12928.D

Date : 11-OCT-2000 18:06

Client ID: D12928

Instrument: md.i

Sample Info: DLFKD101,,2,,0,1,0,8260BDA.M,D12928

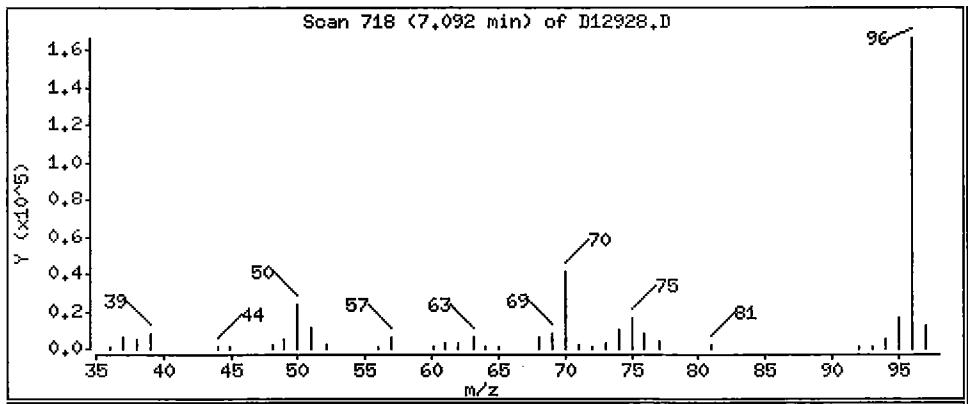
Operator: GFB

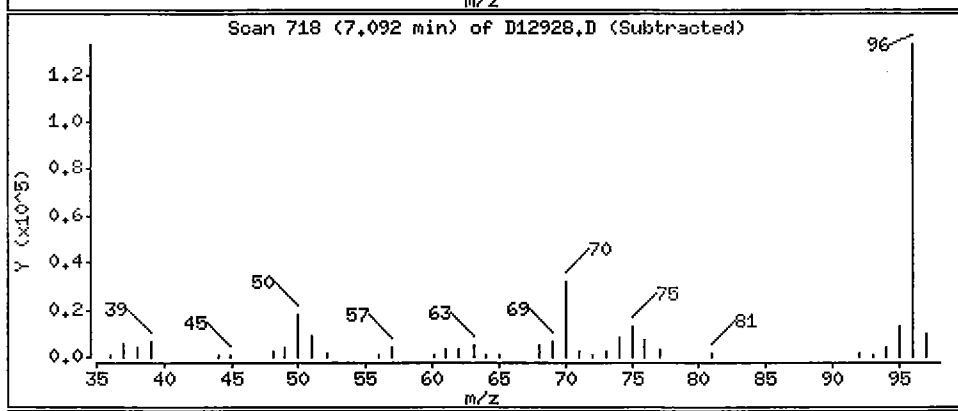
Column phase: J&W DB-624

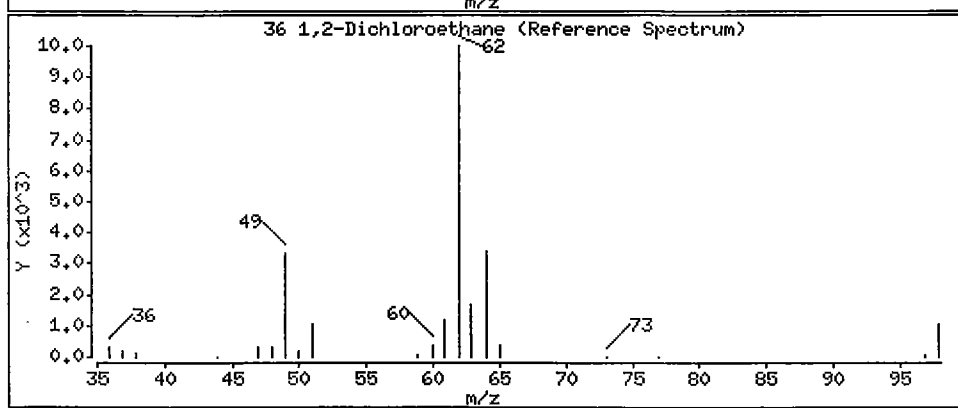
Column diameter: 0.53

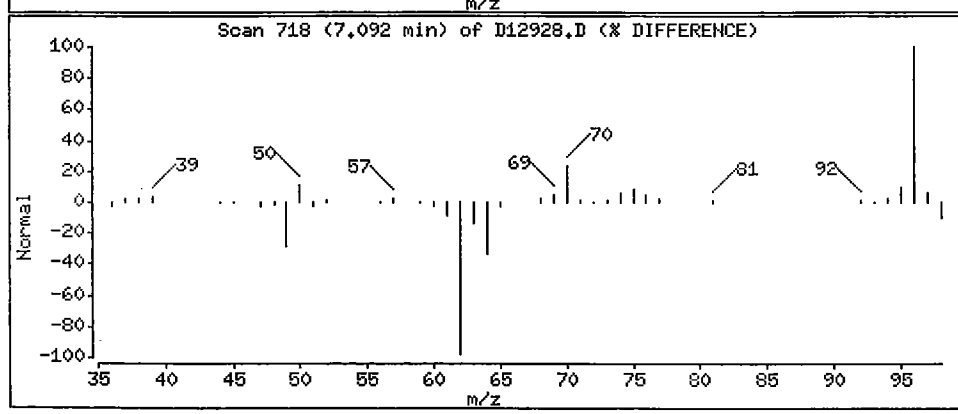
36 1,2-Dichloroethane

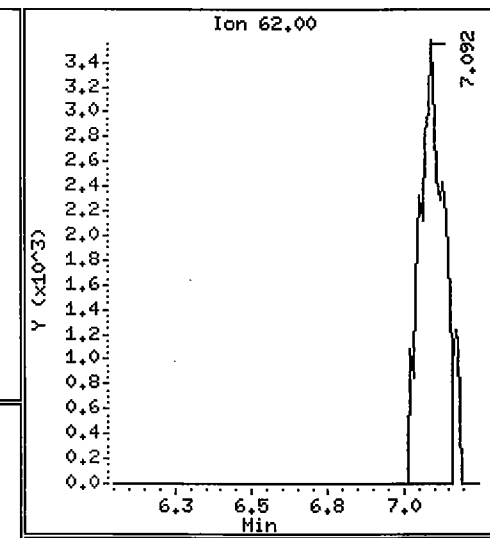
Concentration: 1.45 ug/Kg

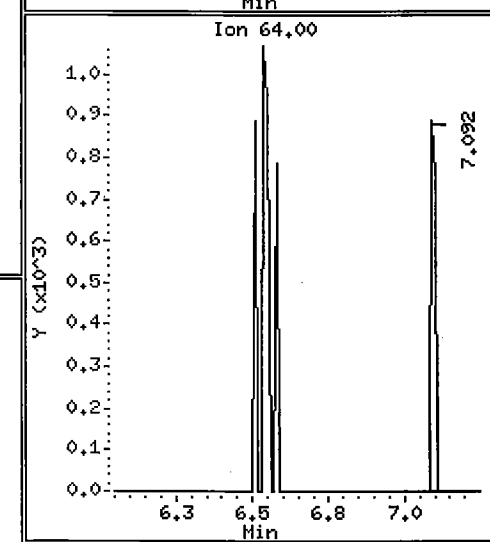


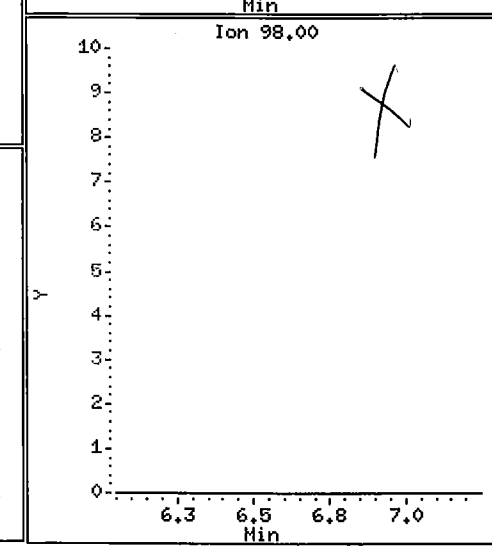












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12928.D

Date : 11-OCT-2000 18:06

Client ID: D12928

Instrument: md.i

Sample Info: DLFKD101,,2,,0,1,0,8260BDA.M,D12928

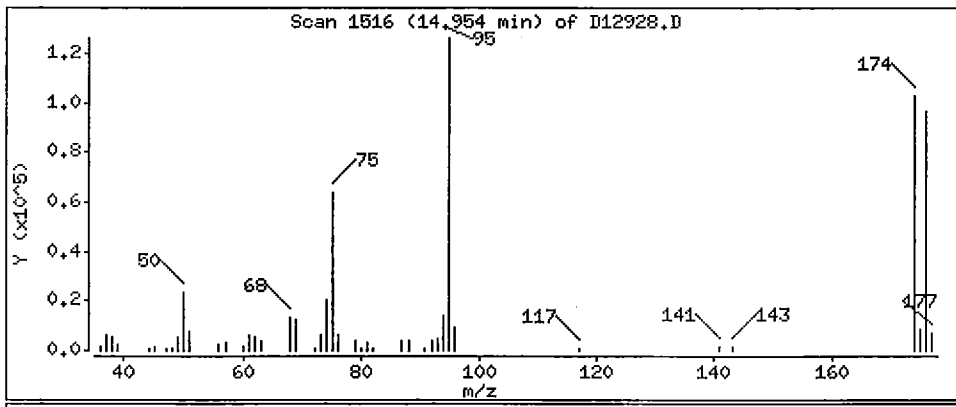
Operator: GFB

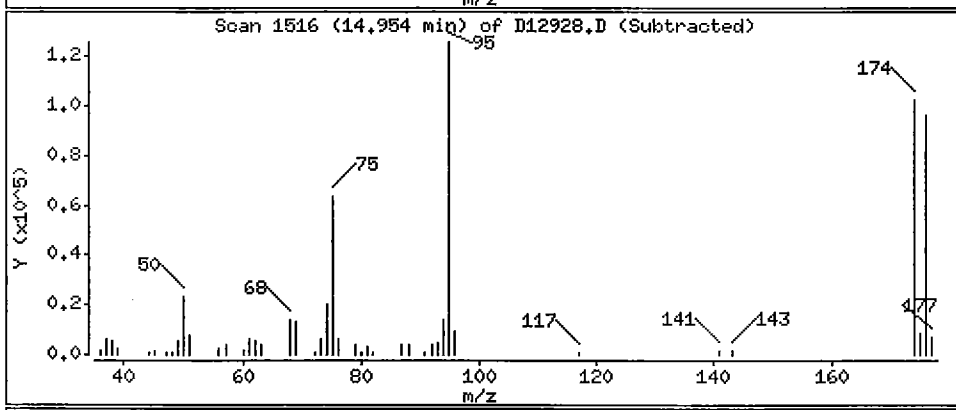
Column phase: J&W DB-624

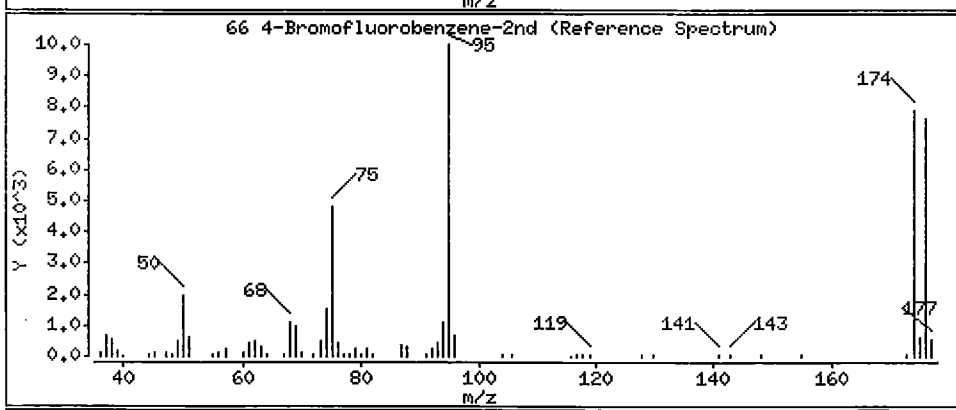
Column diameter: 0.53

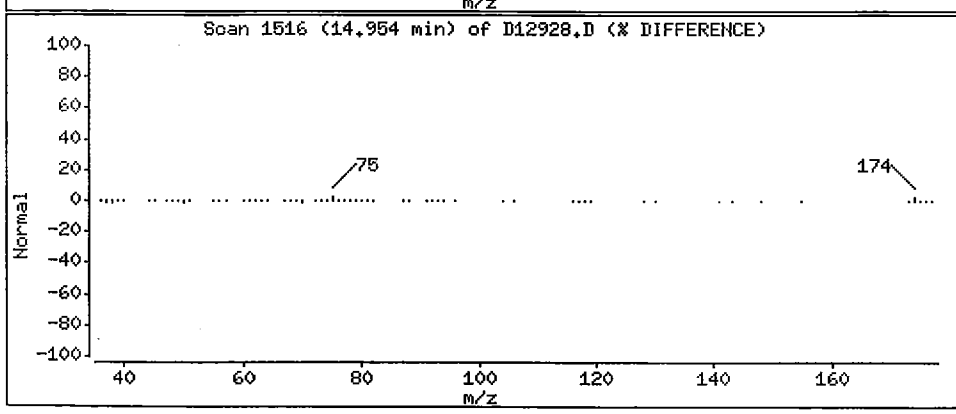
66 4-Bromofluorobenzene-2nd

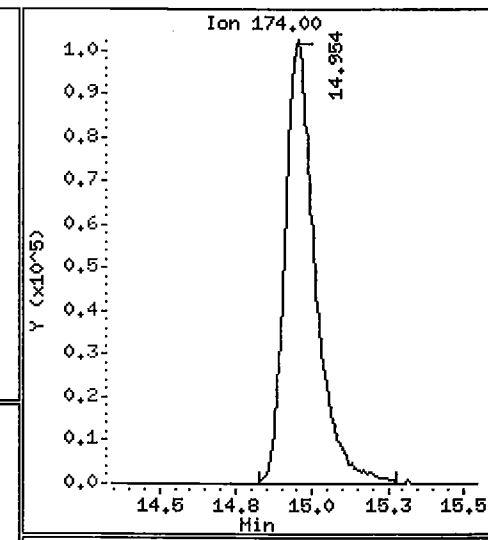
Concentration: 46.19 ug/Kg

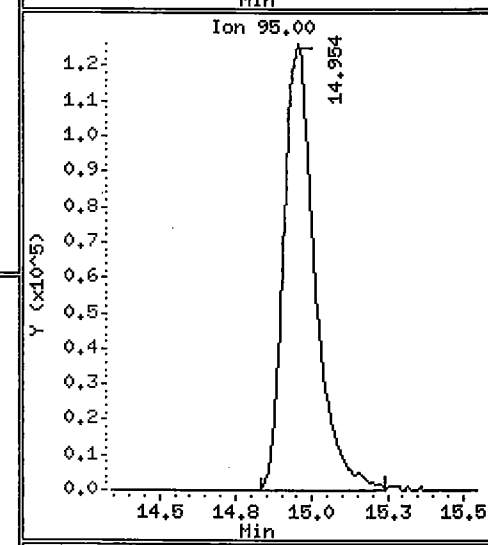


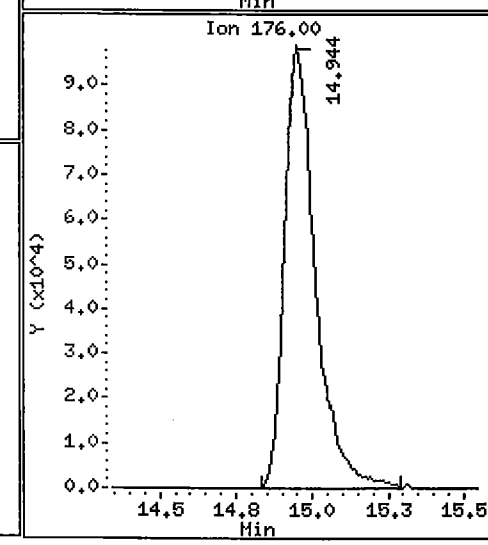












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12928.D

Date : 11-OCT-2000 18:06

Client ID: D12928

Instrument: md.i

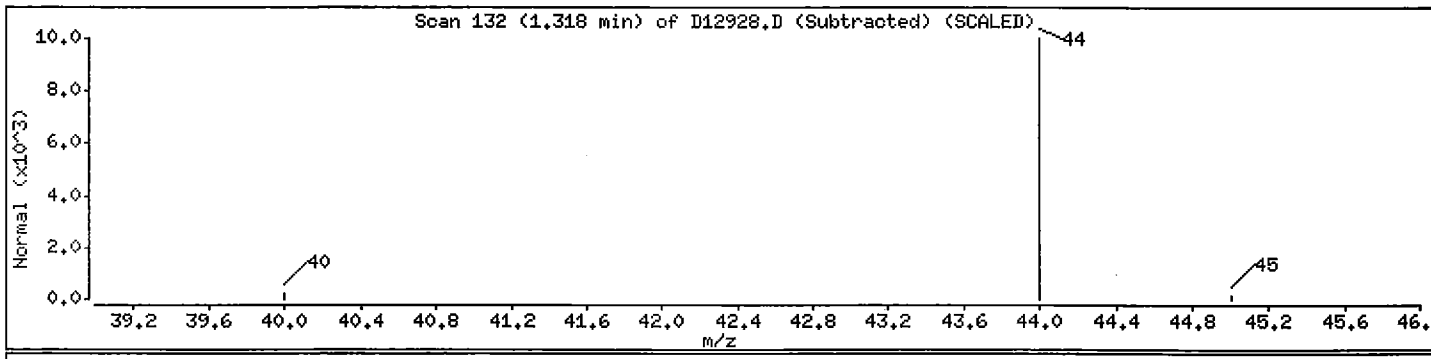
Sample Info: DLFKD101,,2,,0,1,0,8260BDA.M,D12928

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\1011AD.B\D12929.D
Lab Smp Id: DLFKE101 Client Smp ID: D12929
Inj Date : 11-OCT-2000 18:37
Operator : GFB Inst ID: md.i
Smp Info : DLFKE101,,2,,0,1,0,8260BDA.M,D12929
Misc Info : 150-26,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	5.967	5.967	(0.843)	826210	48.5729	48.57	
$ 33 1,2-Dichloroethane-d4	65	6.500	6.509	(0.918)	520501	45.3348	45.33	
34 1,2-Dichloroethane-d4 2nd	102	6.509	6.509	(0.919)	101535	43.8346	43.83	
* 38 Fluorobenzene	96	7.081	7.090	(1.000)	1195853	50.0000		
$ 47 Toluene-d8	98	9.908	9.908	(0.786)	1101385	44.6595	44.66	
* 56 Chlorobenzene-d5	117	12.608	12.607	(1.000)	1065320	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.943	14.942	(0.866)	703777	46.8627	46.86	
$ 67 4-Bromofluorobenzene	95	14.933	14.932	(0.866)	920639	45.9308	45.93	
* 79 1,4-Dichlorobenzene-d4	152	17.248	17.257	(1.000)	754214	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\1011AD.B\D12929.D
Lab Smp Id: DLFKE101 Client Smp ID: D12929
Inj Date : 11-OCT-2000 18:37
Operator : GFB Inst ID: md.i
Smp Info : DLFKE101,,2,,0,1,0,8260BDA.M,D12929
Misc Info : 150-26,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.081	2711414	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.317	411997	7.59746351	7.60	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFKE101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12929
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	1.317	7.60	J

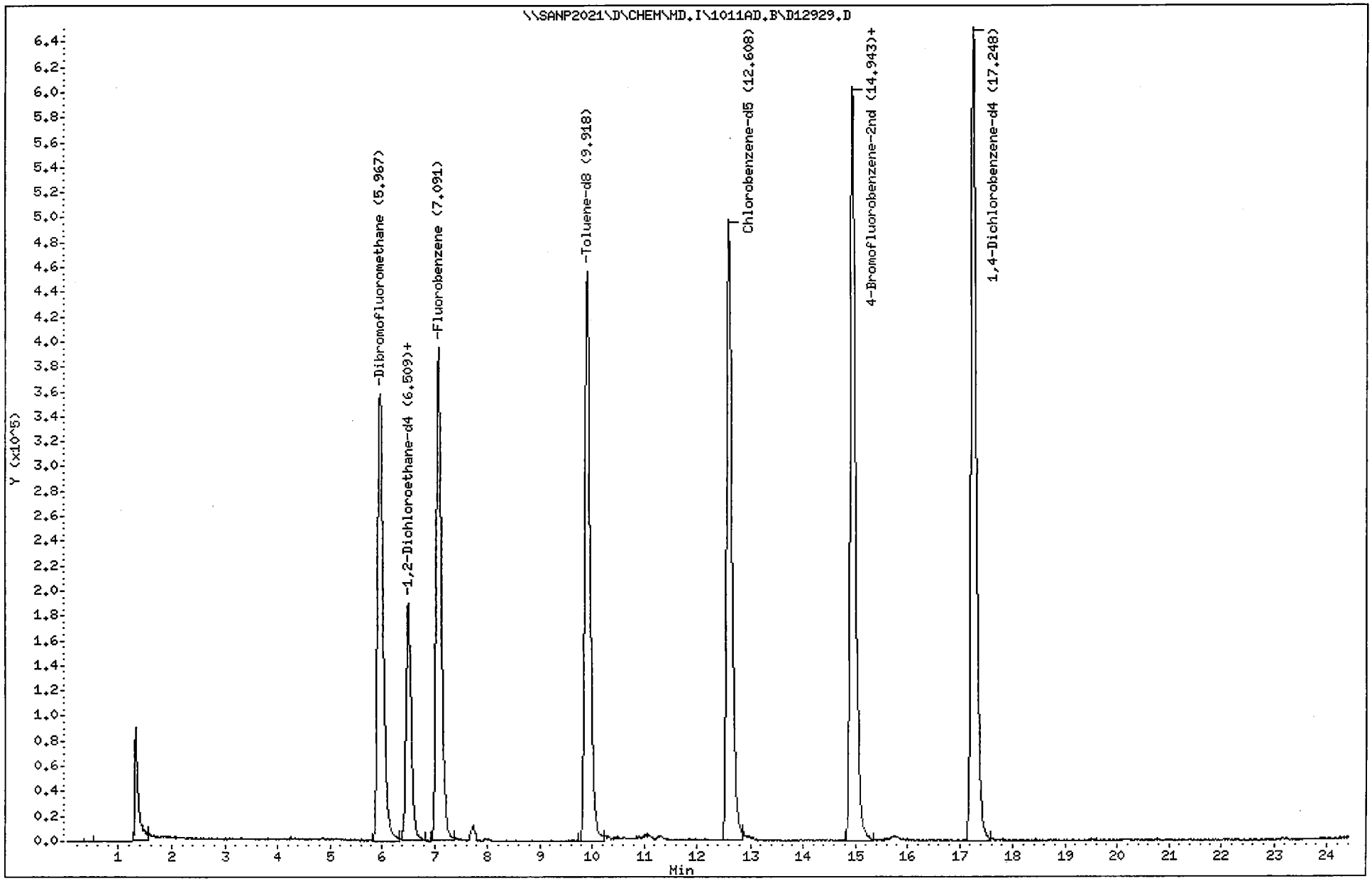
Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12929.D
Date : 11-OCT-2000 18:37
Client ID: D12929
Sample Info: DLFKE101,,2,,0,1,0,8260BDA.M,D12929

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000645

BOE-C6-0147720

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12929.D

Date : 11-OCT-2000 18:37

Client ID: D12929

Instrument: md.i

Sample Info: DLFKE101,,2,,0,1,0,8260BDA.M,D12929

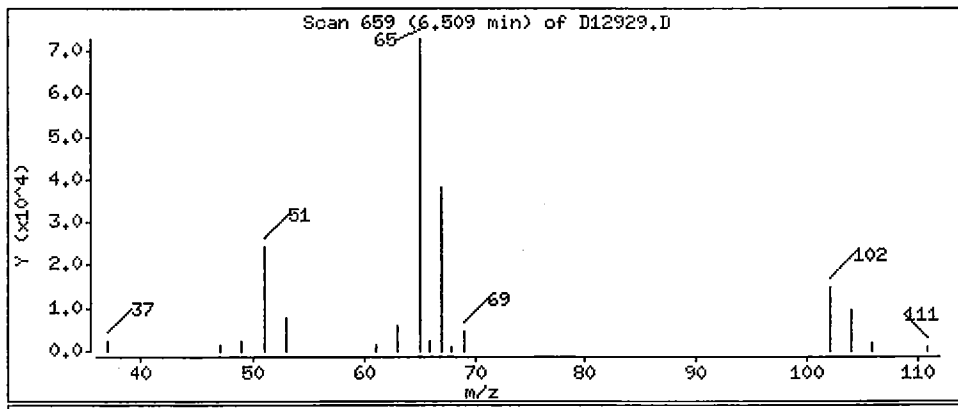
Operator: GFB

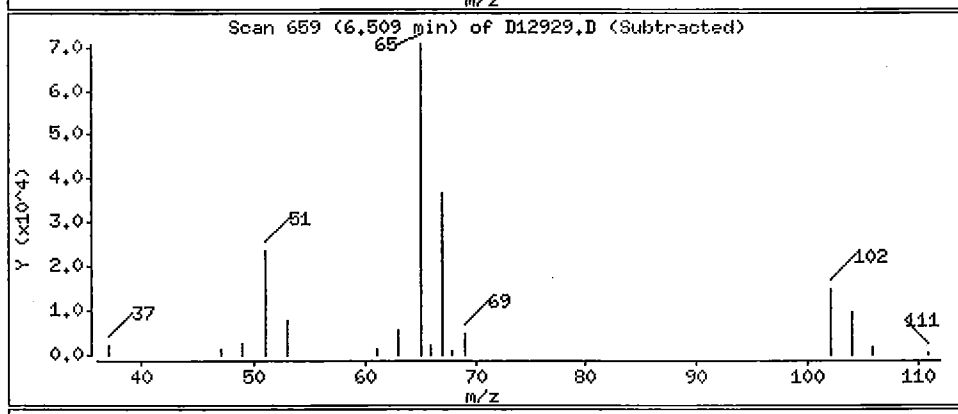
Column phase: J&W DB-624

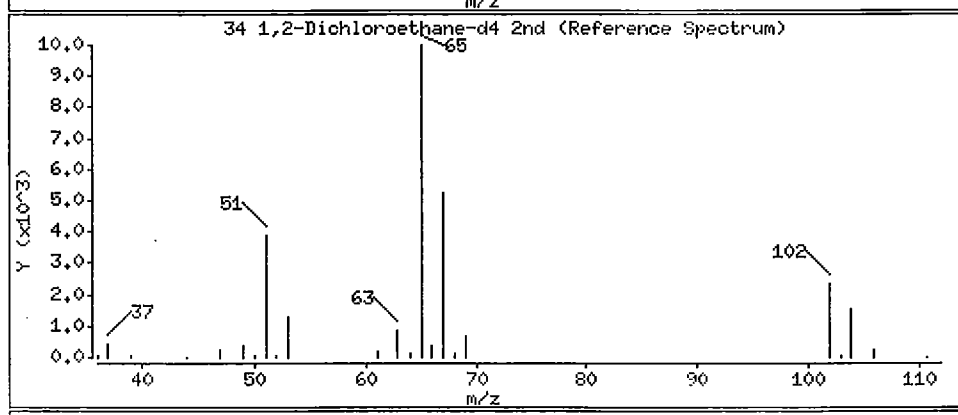
Column diameter: 0.53

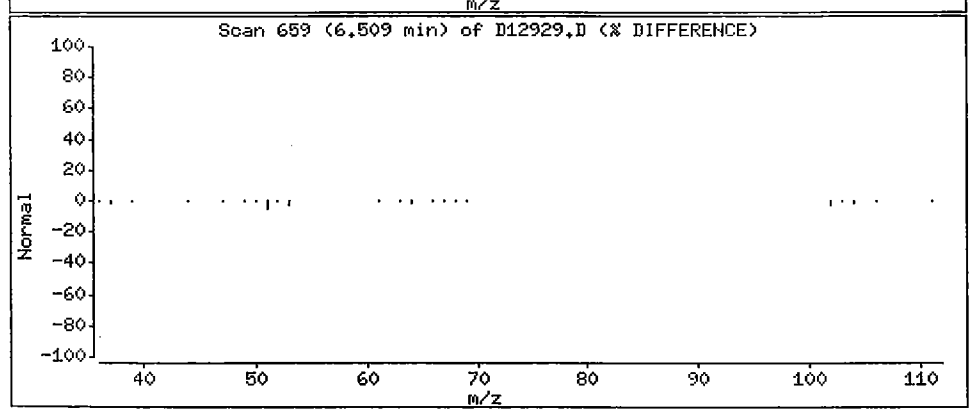
34 1,2-Dichloroethane-d4 2nd

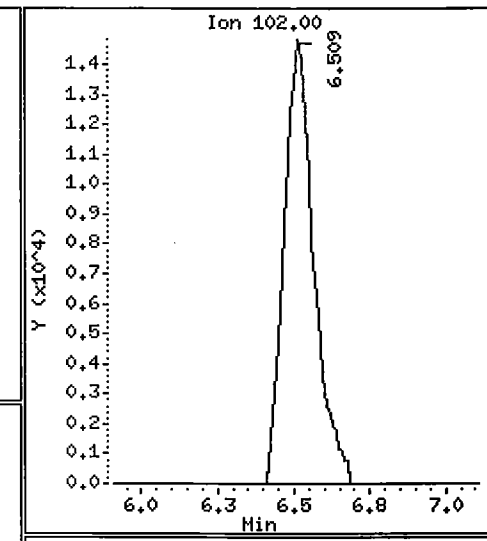
Concentration: 43.83 ug/Kg

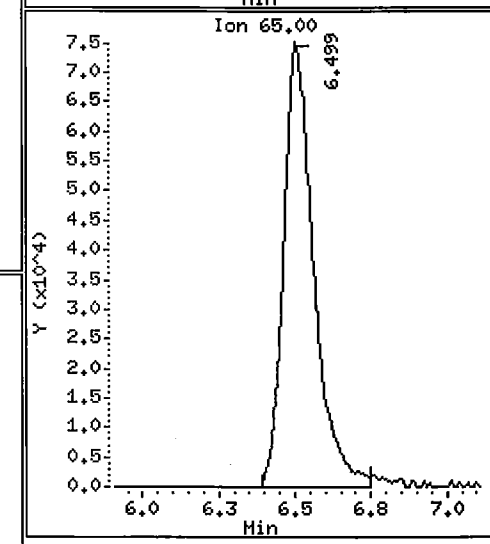












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12929.D

Date : 11-OCT-2000 18:37

Client ID: D12929

Instrument: md.i

Sample Info: DLFKE101,,2,,0,1,0,8260BDA.M,D12929

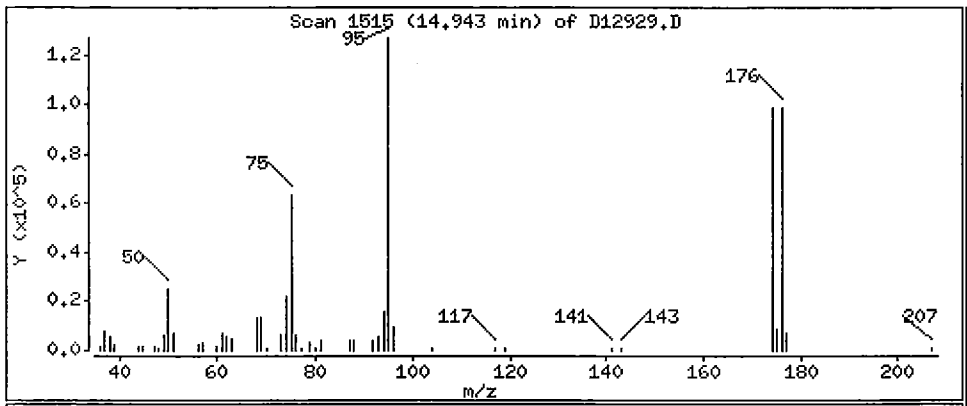
Operator: GFB

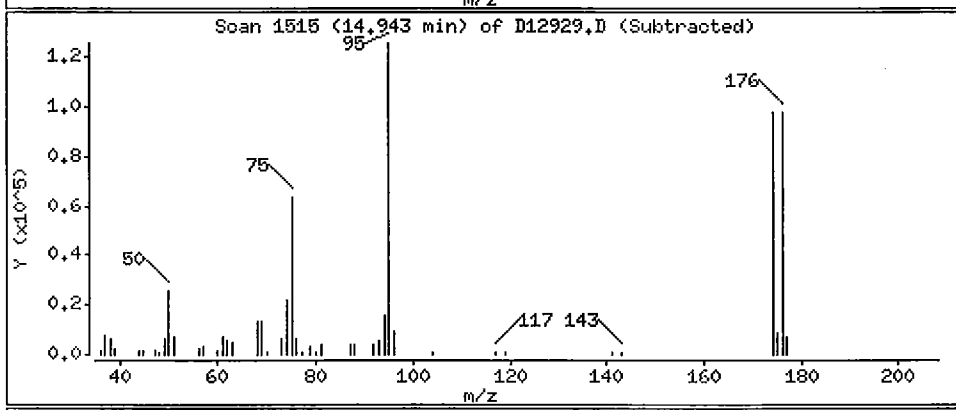
Column phase: J&W DB-624

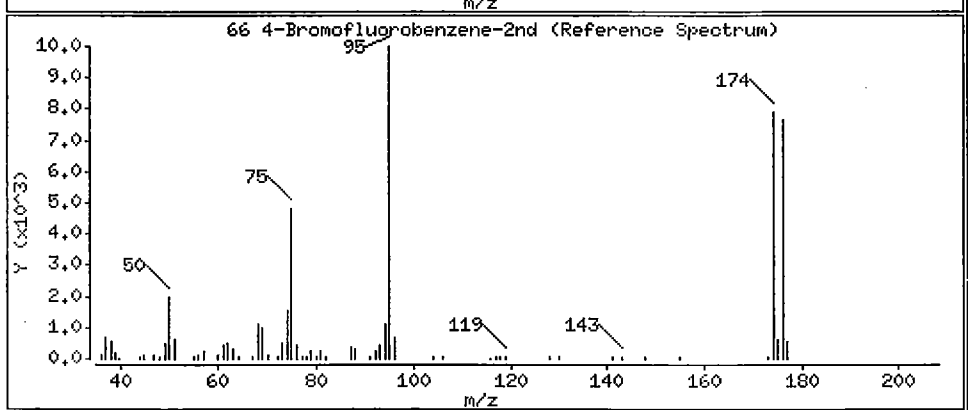
Column diameter: 0.53

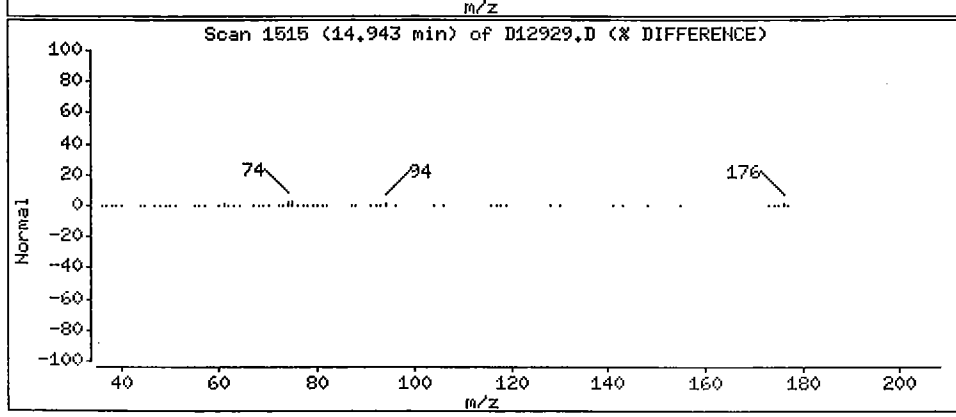
66 4-Bromofluorobenzene-2nd

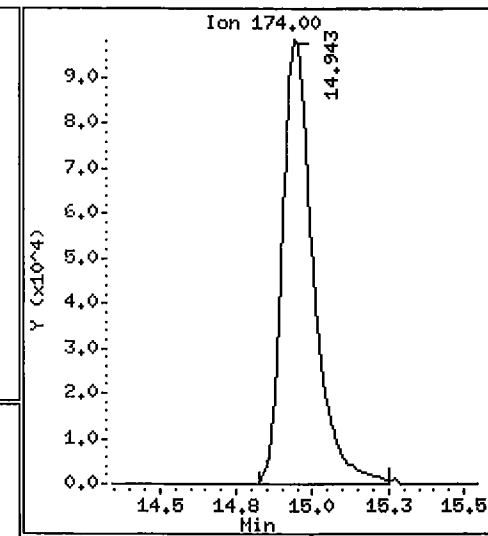
Concentration: 46.86 ug/Kg

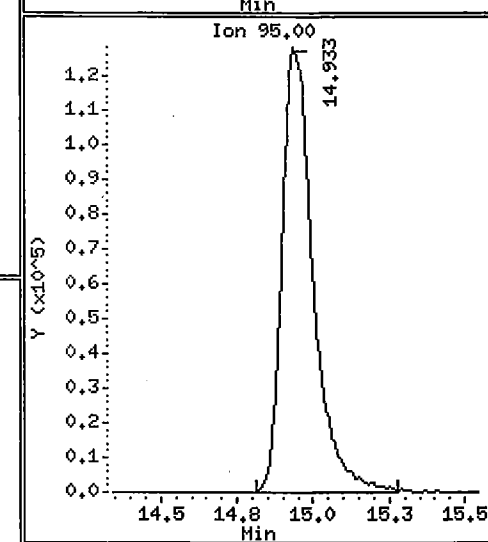


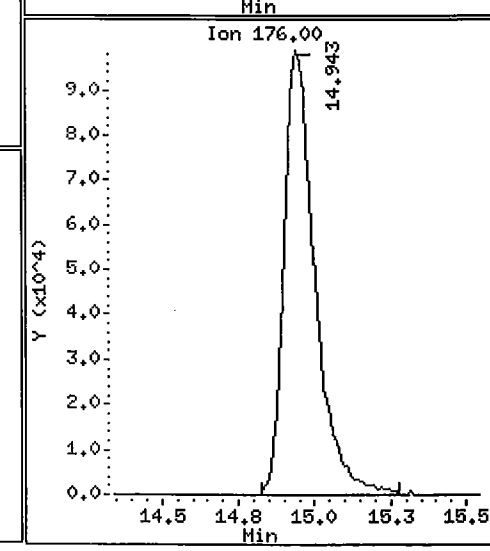












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12929.D

Date : 11-OCT-2000 18:37

Client ID: D12929

Instrument: md.i

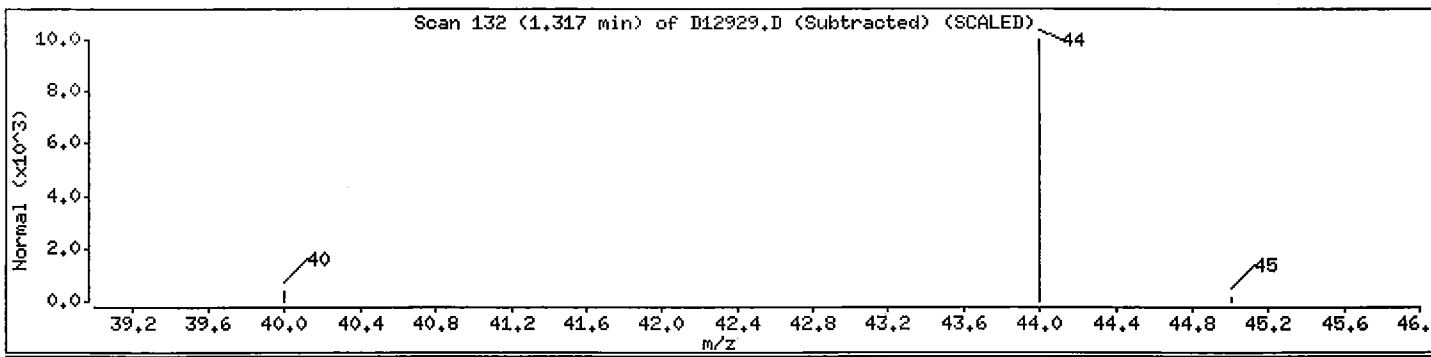
Sample Info: DLFKE101,,2,,0,1,0,8260BDA.M,D12929

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\1011AD.B\D12930.D
Lab Smp Id: DLFKG101 Client Smp ID: D12930
Inj Date : 11-OCT-2000 19:09
Operator : GFB Inst ID: md.i
Smp Info : DLFKG101,,2,,0,1,0,8260BDA.M,D12930
Misc Info : 150-27,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	5.979	5.967	(0.843)	828245	48.0570	48.06	
$ 33 1,2-Dichloroethane-d4	65	6.520	6.509	(0.919)	524876	45.1192	45.12	
34 1,2-Dichloroethane-d4 2nd	102	6.511	6.509	(0.918)	105098	44.7806	44.78	
* 38 Fluorobenzene	96	7.092	7.090	(1.000)	1211668	50.0000		
$ 47 Toluene-d8	98	9.909	9.908	(0.786)	1105007	44.3306	44.33	
* 56 Chlorobenzene-d5	117	12.609	12.607	(1.000)	1076752	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.944	14.942	(0.866)	722884	46.8212	46.82	
$ 67 4-Bromofluorobenzene	95	14.934	14.932	(0.865)	930149	45.1387	45.14	
* 79 1,4-Dichlorobenzene-d4	152	17.259	17.257	(1.000)	775376	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\1011AD.B\D12930.D
Lab Smp Id: DLFKG101 Client Smp ID: D12930
Inj Date : 11-OCT-2000 19:09
Operator : GFB Inst ID: md.i
Smp Info : DLFKG101,,2,,0,1,0,8260BDA.M,D12930
Misc Info : 150-27,,5,,0,ALL.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1011AD.B\8260BDA.m
Meth Date : 11-Oct-2000 10:15 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	7.092	2745561	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.318	387062	7.04887436	7.05	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFKG101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12930
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 (Dr	1.318	7.05	J

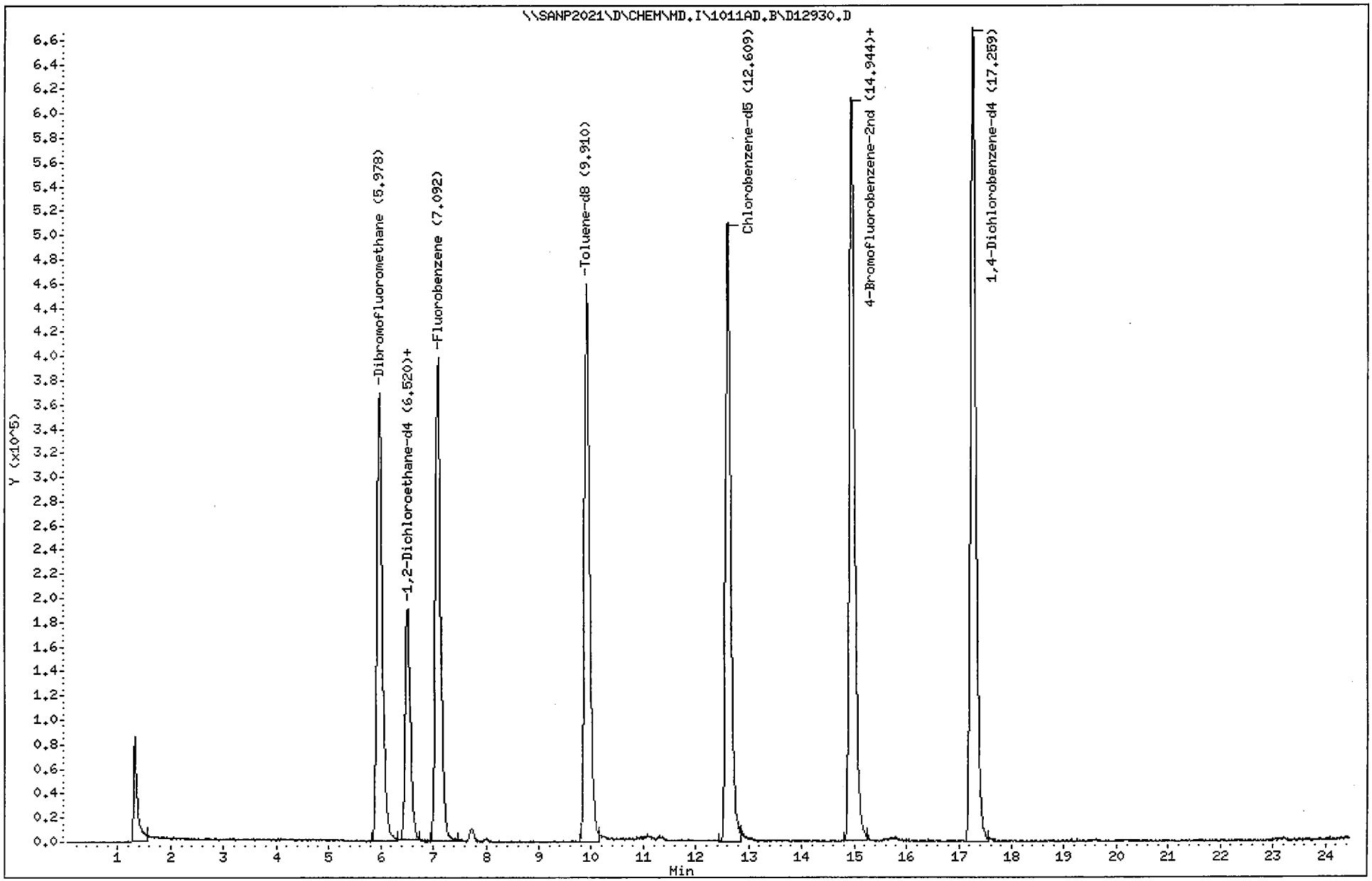
Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12930.D
Date : 11-OCT-2000 19:09
Client ID: D12930
Sample Info: DLFKG101,,2,,0,1,0,8260BDA.M,D12930

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000652

BOE-C6-0147727

Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12930.D

Date : 11-OCT-2000 19:09

Client ID: D12930

Instrument: md.i

Sample Info: DLFKG101,,2,,0,1,0,8260BDA.M,D12930

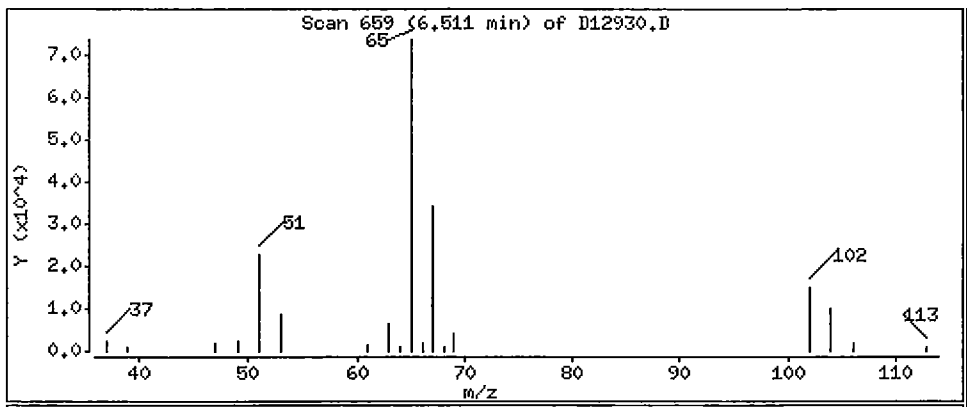
Operator: GFB

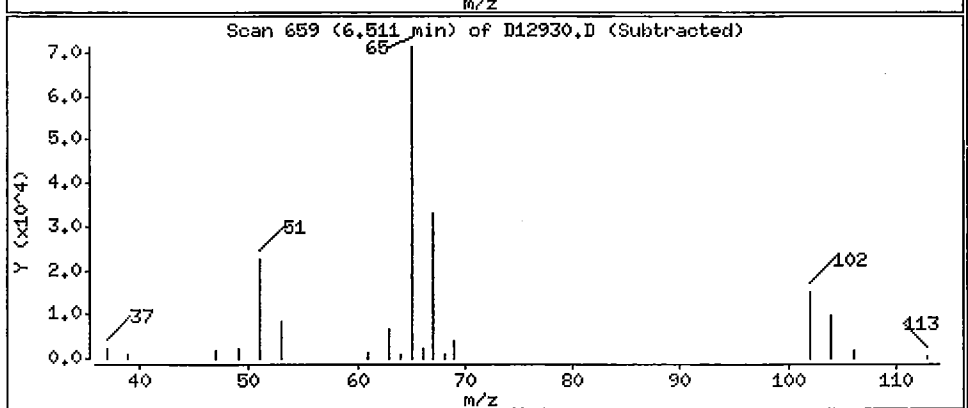
Column phase: J&W DB-624

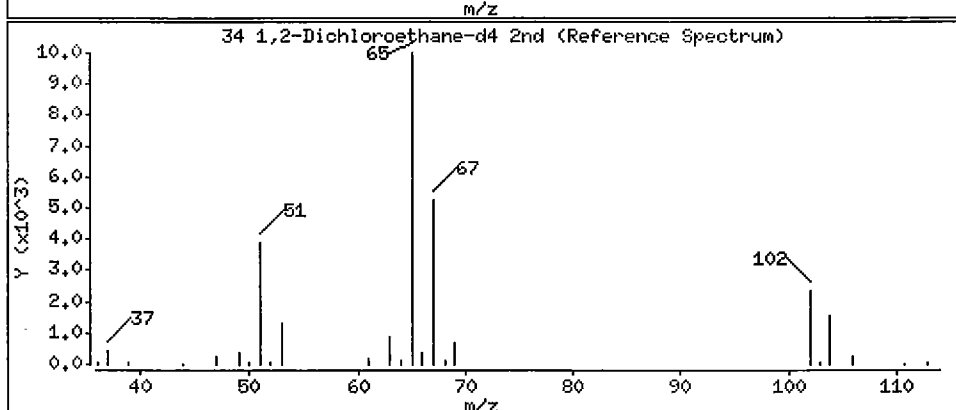
Column diameter: 0.53

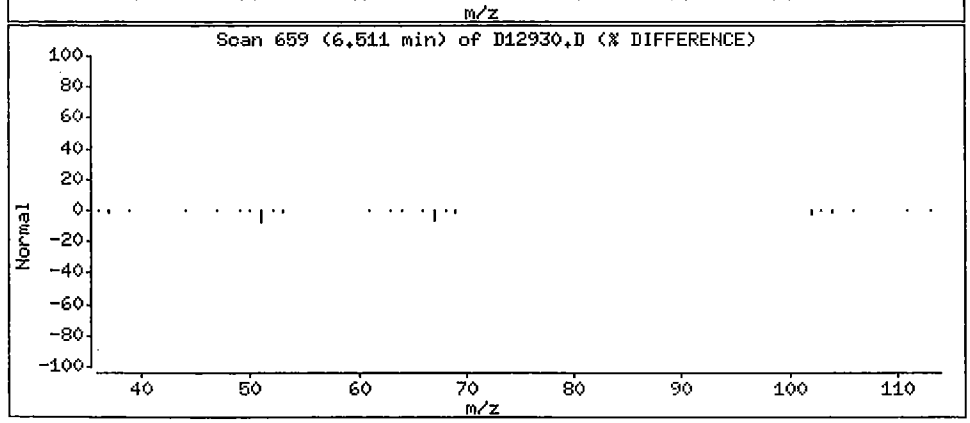
34 1,2-Dichloroethane-d4 2nd

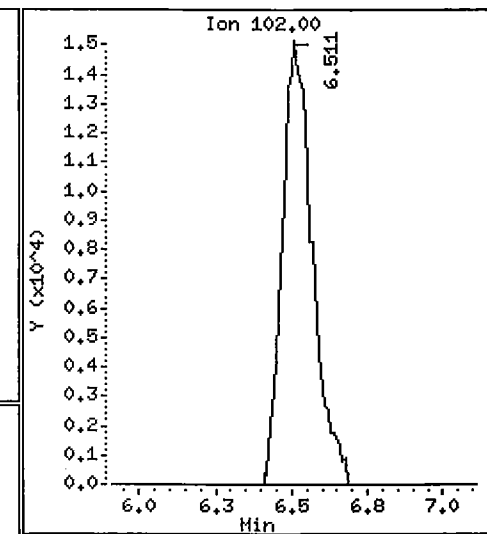
Concentration: 44.78 ug/Kg

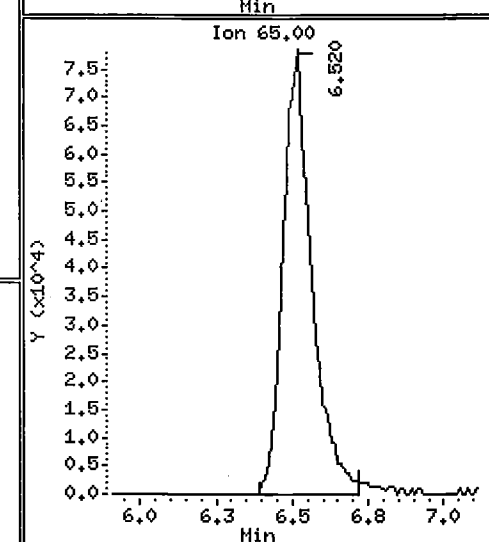












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12930.D

Date : 11-OCT-2000 19:09

Client ID: D12930

Instrument: md.i

Sample Info: DLFKG101,,2,,0,1,0,8260BDA.M,D12930

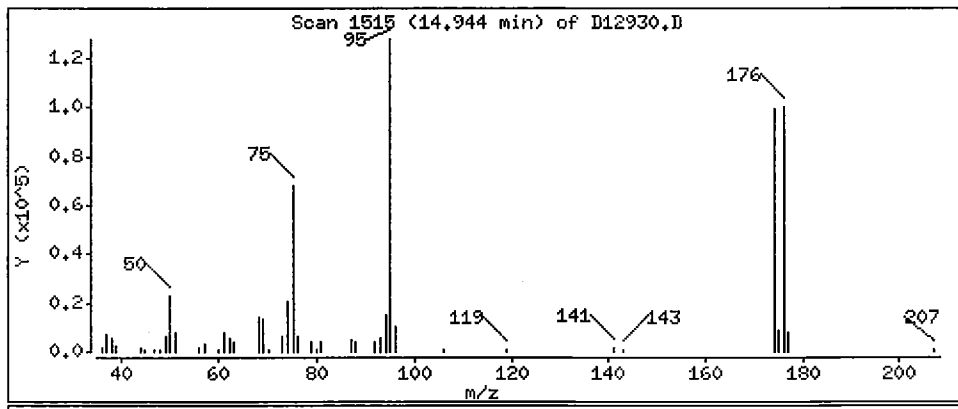
Operator: GFB

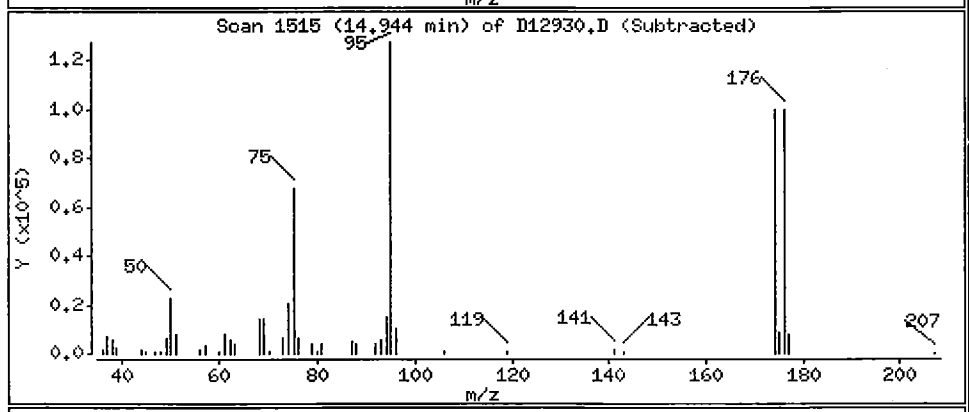
Column phase: J&W DB-624

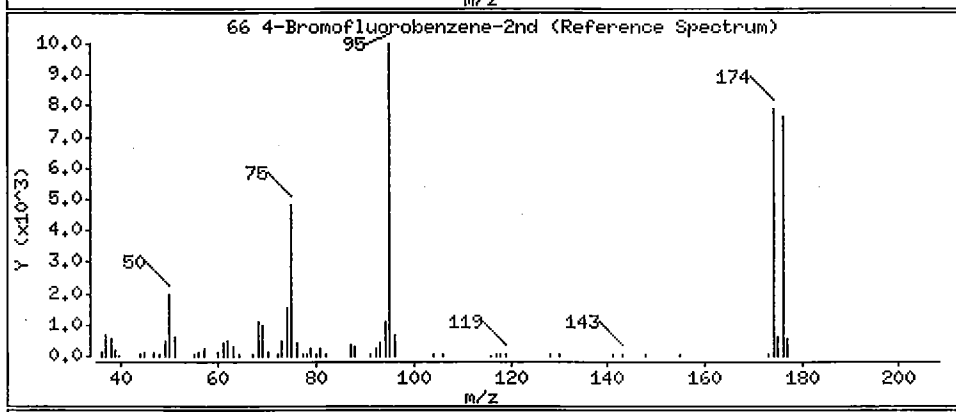
Column diameter: 0.53

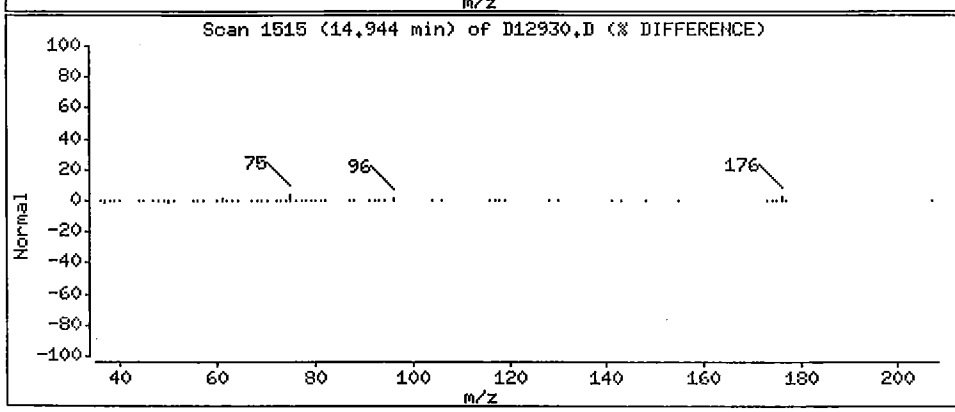
66 4-Bromofluorobenzene-2nd

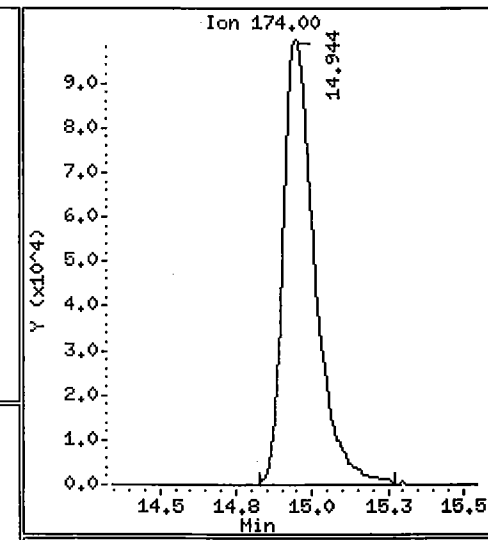
Concentration: 46.82 ug/Kg

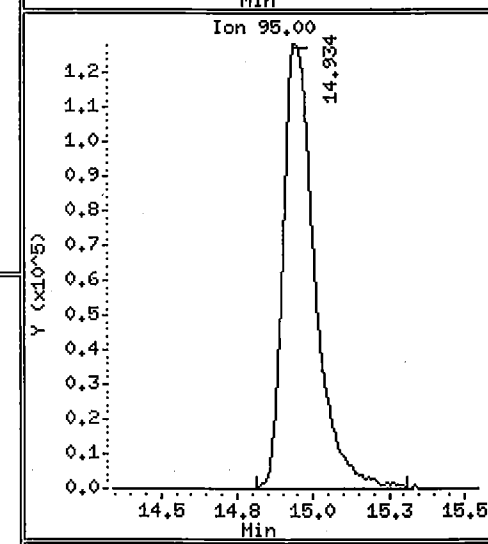


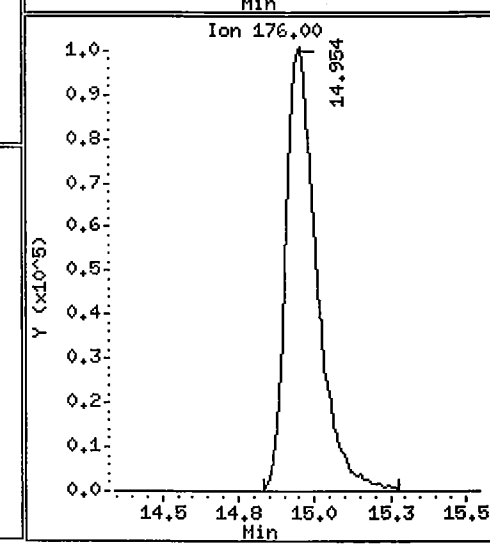












Data File: \\SANP2021\D\CHEM\MD.I\1011AD.B\D12930.D

Date : 11-OCT-2000 19:09

Client ID: D12930

Instrument: md.i

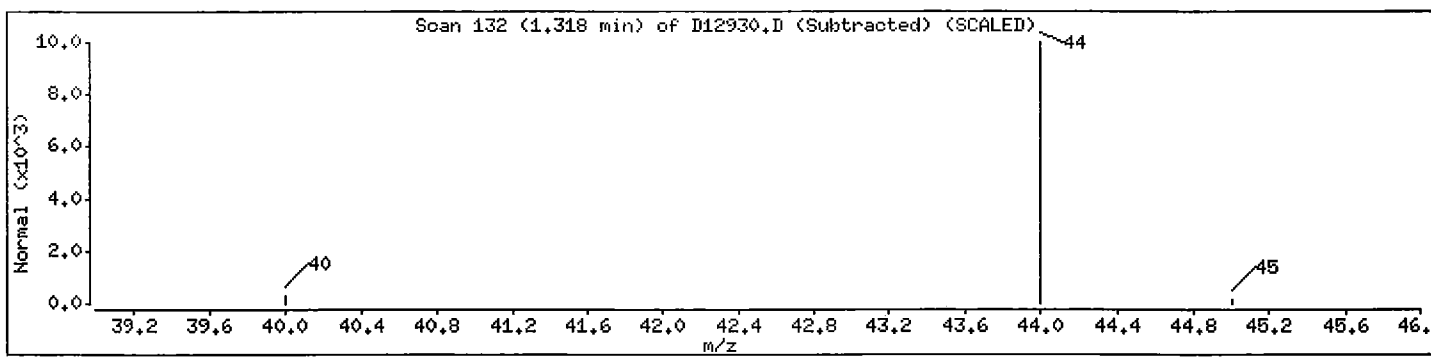
Sample Info: DLFKG101,,2,,0,1,0,8260BDA.M,D12930

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

8260B SAMPLE / QC DATA

DATE ANALYZED: 10 12 00

INSTRUMENT ID: ~~EO~~ MSD

SAMPLES: E0J030150-28
29

tch ID: 0288'' 9 — FJK 0/16/00

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

...ID: MSD	EM Set: 1706	Tune File: BFB	Seq File: 1012AD
			Date: 10-12-00

nit. Cal ID: 8260BDA 10-4-00

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
8:23		DT1574	50ng BFB	—	—	1ul	—	—	✓			1198-1
8:43		DS2534	50ppb 8260B STD	2	S	5g	1	170	✓			1251-2, 49-2, 47-1
9:24	GFB	D12933	LCS 1012AD	2				154	✓			1253-1
9:56		34	MB 1012AD	3				149	✓			
10:38		35	DLFKJ101	4				141	✓			EO1030150-28
11:09		36	DLFKK101	5				186	✓			-29
11:41		37	DLFL2101	6				136	✓			EO1030162-1
12:13		38	DLFLR101	7				134	✓			-2
12:45		39	DLFLV101	8				127	✓			-3
13:17		40	DLFL1102	9				130	✓			02880029 1MS
13:49		41	DLFL2103	10				138	✓			1MSD
14:21		42	DLGAH104	11				137	✓			EO1030233-1
14:53		43	DLGAN104	12				135	✓			2
15:25		44	DLGC3103	13				131	✓			4
15:56		45	DLGC9103	14				133	✓			5
16:28		46	DLGCF103	15				132	✓			6
17:00		47	DLGCL103	16				136	✓			7
17:32		48	DLGCP103	17				134	✓			8
18:03		49	DLGCR103	18				128	N			9 Mid level
18:35		50	DLGD2103	19				162	N			Low IS #3 10 Carryover
19:07		51	DLGD3103	20				162	✓			11

000652

000100

Version 01/04/99

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

BOE-C6-0147732

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

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

Lab File ID (Standard): DS2534 Date Analyzed: 10/12/00

Instrument ID: MD Time Analyzed: 0843

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	1700170	7.09	1462860	12.61	1056782	17.27
	UPPER LIMIT	3400340	7.59	2925720	13.11	2113564	17.77
	LOWER LIMIT	850085	6.59	731430	12.11	528391	16.77
	EPA SAMPLE NO.						
01	D12933	1541725	7.10	1332373	12.61	982882	17.26
02	D12934	1499819	7.09	1346092	12.62	953705	17.27
03	D12935	1412222	7.09	1283388	12.62	907307	17.27
04	D12936	1368046	7.10	1260392	12.62	888476	17.27
05	D12937	1362041	7.09	1223461	12.61	696298	17.27
06	D12938	1349177	7.09	1196598	12.62	866450	17.27
07	D12939	1279082	7.10	1148635	12.62	825274	17.26
08	D12940	1303287	7.10	1110909	12.62	682736	17.27
09	D12941	1383987	7.09	1182811	12.62	711705	17.27
10	D12942	1374789	7.10	1255328	12.63	884689	17.28
11	D12943	1350299	7.10	1215265	12.63	881144	17.29
12	D12944	1318798	7.10	1181615	12.61	826987	17.26
13	D12945	1339710	7.10	1235288	12.62	896385	17.28
14	D12946	1321435	7.10	1199102	12.63	853720	17.28
15	D12947	1362328	7.10	1197426	12.62	845288	17.28
16	D12948	1344062	7.10	1225130	12.63	871259	17.28
17	D12949	1284325	7.12	1118046	12.66	683149	17.39
18	D12950	1625439	7.10	1536126	12.63	1118324	17.28
19	D12951	1623220	7.09	1509050	12.62	1079539	17.28
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\1012AD.B\DT1574.D

Date : 12-OCT-2000 08:23

Client ID:

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

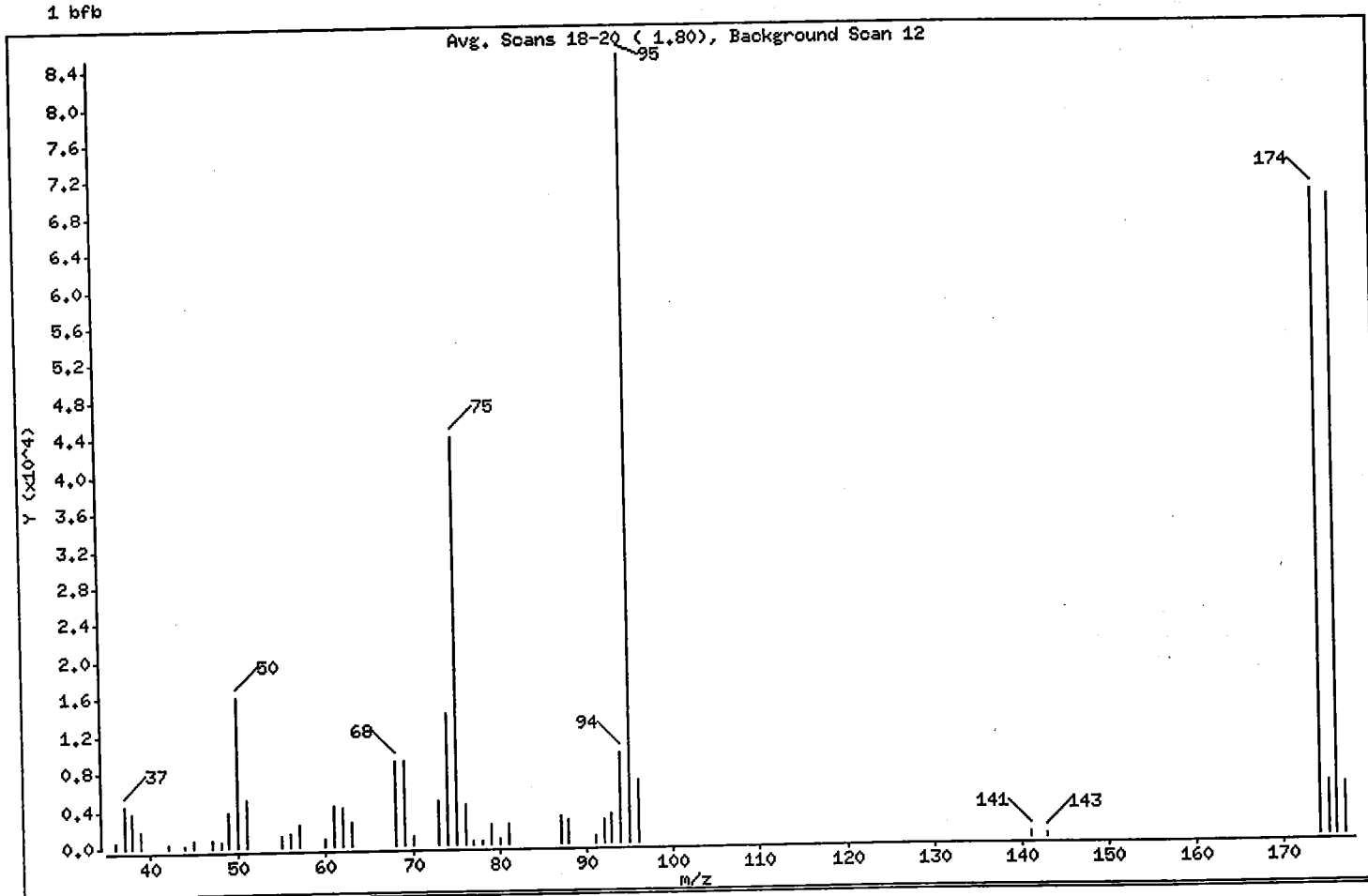
Instrument: md.i

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	18.75
75	30.00 - 60.00% of mass 95	51.45
96	5.00 - 9.00% of mass 95	7.72
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	81.84
175	5.00 - 9.00% of mass 174	6.59 (8.05)
176	95.00 - 101.00% of mass 174	81.17 (99.18)
177	5.00 - 9.00% of mass 176	6.33 (7.79)

10-13-00

STL Los Angeles

Data file : \\SANP2021\D\CHEM\MD.I\1012AD.B\DT1574.D
Lab Smp Id:
Inj Date : 12-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\1012AD.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		
1.8021	1.8000	(0.000)	95	85194			0.00- 100.00	100.00
1.8021	1.8000	(0.000)	50	15978			15.00- 40.00	18.75
1.8021	1.8000	(0.000)	75	43829			30.00- 60.00	51.45
1.8021	1.8000	(0.000)	96	6580			5.00- 9.00	7.72
1.8021	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.8021	1.8000	(0.000)	174	69722			50.00- 0.00	81.84
1.8021	1.8000	(0.000)	175	5611			5.00- 9.00	8.05
1.8021	1.8000	(0.000)	176	69149			95.00- 101.00	99.18
1.8021	1.8000	(0.000)	177	5390			5.00- 9.00	7.79

Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\DT1574.D

Date : 12-OCT-2000 08:23

Client ID:

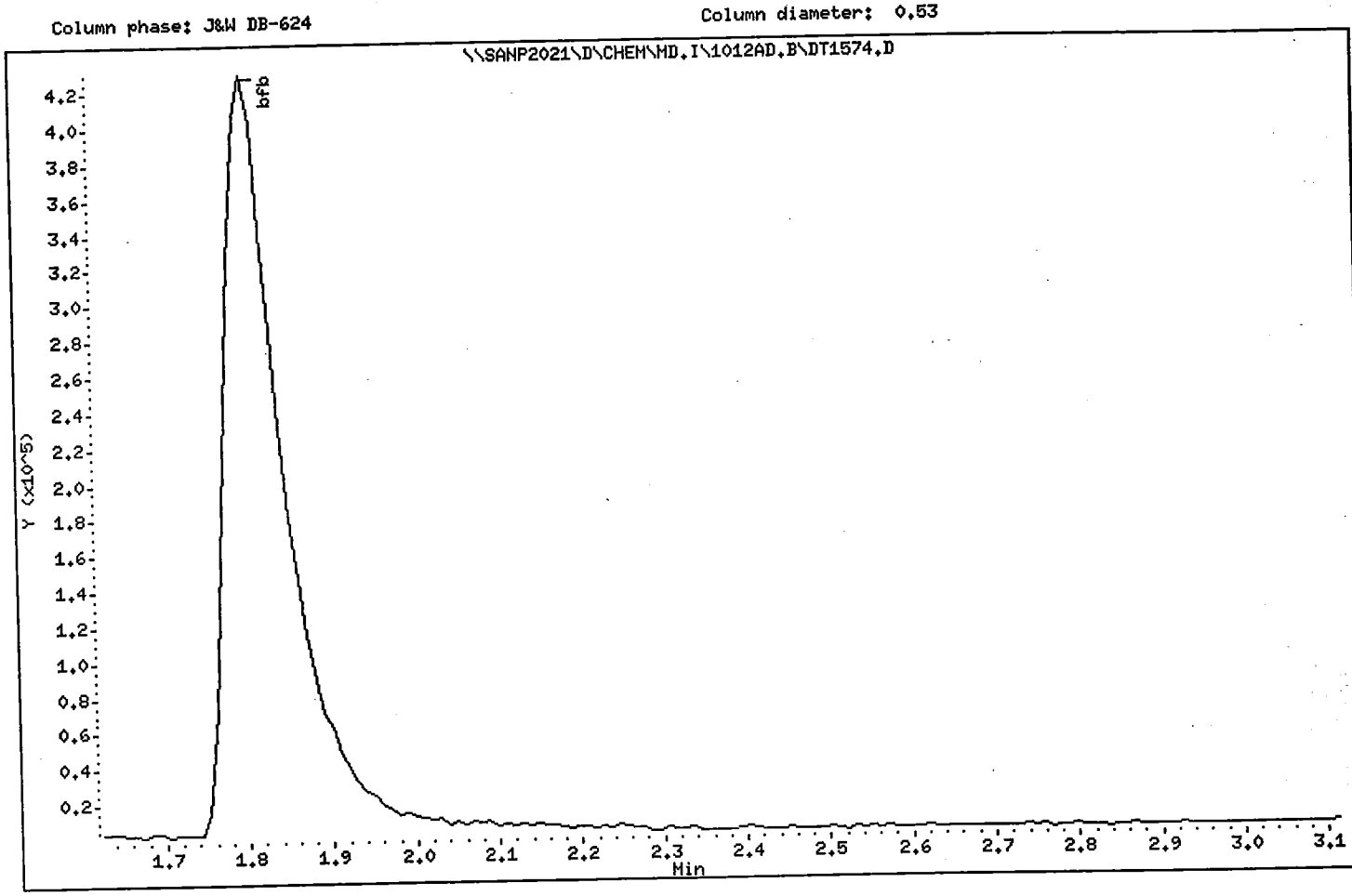
Instrument: md.i

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\1012AD.B\DT1574.D

Date : 12-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: DT1574.D

Spectrum: Avg. Scans 18-20 (1.80), Background Scan 12

Location of Maximum: 95.00

Number of points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	618	55.00	1166	75.00	43824	94.00	9678
37.00	4475	56.00	1339	76.00	4254	95.00	85192
38.00	3682	57.00	2410	77.00	306	96.00	6580
39.00	1774	60.00	759	78.00	356	141.00	563
42.00	299	61.00	4257	79.00	2216	143.00	367
44.00	200	62.00	4050	80.00	550	174.00	69720
45.00	861	63.00	2600	81.00	2109	175.00	5611
47.00	817	68.00	9056	87.00	3008	176.00	69144
48.00	574	69.00	8990	88.00	2595	177.00	5390
49.00	3670	70.00	1042	91.00	877		
50.00	15978	73.00	4683	92.00	2499		
51.00	5170	74.00	14157	93.00	3198		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2534.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD
Method: \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m

Injection Date: 12-OCT-2000 08:43
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	
	1 Dichlorodifluoromethane	0.44644	0.38293	0.010	-14.2	50.0	
	2 Vinyl chloride (*)	0.21607	0.22341	0.010	3.4	20.0	
	3 Chloromethane (**)	0.19012	0.20417	0.100	7.4	50.0	
	4 Bromomethane	0.21985	0.21595	0.010	-1.8	50.0	
	5 Chloroethane	0.13964	0.16146	0.010	15.6	50.0	
	6 Trichlorofluoromethane	0.71629	0.78483	0.010	9.6	50.0	
	7 Acrolein	0.01339	0.01189	0.001	-11.2	50.0	
	8 1,1-Dichloroethene(*)	0.28163	0.27825	0.010	-1.2	20.0	
	9 1,1,2-Trichlorotrifluoroeth	0.46984	0.47898	0.010	1.9	50.0	
	10 Acetone	0.05535	0.06663	0.010	20.4	50.0	
	11 Iodomethane	0.54249	0.52441	0.001	-3.3	50.0	
	12 Carbon disulfide	0.63173	0.65321	0.010	3.4	50.0	
	13 Methylene chloride	0.28611	0.29579	0.010	3.4	50.0	
	14 t-Butanol	0.00532	0.00636	0.001	19.6	20.0	
	15 trans-1,2-Dichloroethene	0.32668	0.33553	0.010	2.7	50.0	
	16 Acrylonitrile	0.04256	0.05431	0.001	27.6	20.0	<-
	17 Methyl-tert-butyl ether[MTB	0.75221	0.80665	0.010	7.2	50.0	
	18 1,1-Dichloroethane (**)	0.56293	0.60742	0.100	7.9	50.0	
	19 Vinyl acetate	0.72587	0.74361	0.010	2.4	50.0	
	20 Isopropyl ether	0.97354	1.02962	0.010	5.8	20.0	
	21 2,2-Dichloropropane	0.61103	0.62599	0.010	2.4	50.0	
	22 Tert-butyl ethyl ether	0.93101	0.95093	0.010	2.1	20.0	
	23 cis-1,2-Dichloroethene	0.33158	0.34575	0.010	4.3	50.0	
	24 2-Butanone	0.09614	0.10726	0.010	11.6	50.0	
	25 Bromochloromethane	0.21883	0.23660	0.010	8.1	50.0	
	26 Chloroform (*)	0.73233	0.79051	0.010	7.9	20.0	
	27 Tetrahydrofuran	0.05809	0.07690	0.010	32.4	50.0	
M	28 1,2-Dichloroethene (total)	0.32913	0.34064	0.010	3.5	50.0	
$	29 Dibromofluoromethane	0.71120	0.69398	0.010	-2.4	50.0	
	30 1,1,1-Trichloroethane	0.76256	0.79828	0.010	4.7	50.0	
	31 Carbon Tetrachloride	0.72937	0.75806	0.010	3.9	50.0	
	32 1,1-Dichloropropene	0.54325	0.55277	0.010	1.8	50.0	
$	33 1,2-Dichloroethane-d4	0.48005	0.47160	0.010	-1.8	50.0	
	34 1,2-Dichloroethane-d4 2nd	0.09685	0.09440	0.010	-2.5	50.0	
	35 Benzene	0.84852	0.85701	0.010	1.0	50.0	

10-13-00

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2534.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m

Injection Date: 12-OCT-2000 08:43
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	
	36 1,2-Dichloroethane	0.53432	0.57531	0.010	7.7	50.0	
	37 Tert-amyl methyl ether	0.88326	0.91359	0.010	3.4	20.0	
	39 Trichloroethene	0.46731	0.49209	0.010	5.3	50.0	
	40 1,2-Dichloropropane(*)	0.34594	0.36494	0.010	5.5	20.0	
	41 Dibromomethane	0.32224	0.35490	0.010	10.1	50.0	
	42 Bromodichloromethane	0.71616	0.79146	0.010	10.5	50.0	
	43 1-Bromo-2-chloroethane	0.78851	0.56147	0.010	-28.8	50.0	
	44 2-Chloroethylvinyl ether	0.04393	0.05809	0.010	32.2	20.0	<-
	45 cis-1,3-Dichloropropene	0.54033	0.57559	0.010	6.5	50.0	
	46 4-Methyl-2-pentanone	0.26017	0.29268	0.010	12.5	50.0	
$	47 Toluene-d8	1.15749	1.11367	0.010	-3.8	50.0	
	48 Toluene (*)	1.22215	1.25543	0.010	2.7	20.0	
	49 trans-1,3-Dichloropropene	0.55799	0.62308	0.010	11.7	50.0	
	50 1,1,2-Trichloroethane	0.40315	0.43503	0.010	7.9	50.0	
	51 Tetrachloroethene	0.55481	0.57915	0.010	4.4	50.0	
	52 1,3-Dichloropropane	0.63464	0.68838	0.010	8.5	50.0	
	53 2-Hexanone	0.22062	0.24510	0.010	11.1	50.0	
	54 Dibromochloromethane	0.73783	0.80316	0.010	8.9	50.0	
	55 1,2-Dibromoethane	0.61043	0.64816	0.010	6.2	50.0	
	57 Chlorobenzene (**)	0.98253	1.00635	0.300	2.4	50.0	
	58 1,1,1,2-Tetrachloroethane	0.59402	0.63721	0.010	7.3	50.0	
	59 Ethylbenzene (*)	0.45846	0.48318	0.010	5.4	20.0	
	60 m,p-Xylenes	0.57596	0.60160	0.010	4.5	50.0	
	61 o-Xylene	0.55644	0.58047	0.010	4.3	50.0	
	62 Styrene	0.92422	0.97771	0.010	5.8	50.0	
M	63 Xylenes (total)	0.56945	0.59456	0.010	4.4	50.0	
	64 Bromoform (**)	0.59517	0.68832	0.100	15.7	50.0	
	65 Isopropylbenzene	1.75437	1.86561	0.010	6.3	50.0	
	66 4-Bromofluorobenzene-2nd	0.99560	0.95404	0.010	-4.2	50.0	
$	67 4-Bromofluorobenzene	1.32880	1.25491	0.010	-5.6	50.0	
	68 Bromobenzene	0.83061	0.87801	0.010	5.7	50.0	
	69 1,1,2,2-Tetrachloroethane(*	0.85523	0.92808	0.300	8.5	50.0	
	70 1,2,3-Trichloropropane	0.28010	0.32906	0.010	17.5	50.0	
	71 n-Propylbenzene	2.58803	2.50271	0.010	-3.3	50.0	
	72 2-Chlorotoluene	0.62571	0.64470	0.010	3.0	50.0	
	73 4-Chlorotoluene	0.65344	0.68568	0.010	4.9	50.0	

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2534.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m

Injection Date: 12-OCT-2000 08:43
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	2.19852	0.010	5.6	50.0
75 tert-Butylbenzene	2.15036	2.28364	0.010	6.2	50.0
76 1,2,4-Trimethylbenzene	2.11961	2.21089	0.010	4.3	50.0
77 sec-Butylbenzene	2.82015	2.94231	0.010	4.3	50.0
78 1,3-Dichlorobenzene	1.39311	1.44456	0.010	3.7	50.0
80 1,4-Dichlorobenzene	1.51990	1.55498	0.010	2.3	50.0
81 p-Isopropyltoluene	2.32696	2.45388	0.010	5.5	50.0
82 1,2-Dichlorobenzene	1.33233	1.36253	0.010	2.3	50.0
83 n-Butylbenzene	2.22197	2.37451	0.010	6.9	50.0
84 1,2-Dibromo-3-chloropropane	0.28987	0.32471	0.010	12.0	50.0
85 1,2,4-Trichlorobenzene	1.23050	1.27206	0.010	3.4	50.0
86 Hexachlorobutadiene	0.92928	1.05910	0.010	14.0	50.0
87 Napthalene	1.86163	1.82471	0.010	-2.0	50.0
88 1,2,3-Trichlorobenzene	1.14824	1.16624	0.010	1.6	50.0

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2534.D
Lab Smp Id: 50 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m
Misc Info: 1251-2;49-2;47-1,,5,,2,all.SUB

Calibration Date: 12-OCT-2000
Calibration Time: 08:43

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1700170	850085	3400340	1700170	0.00
56 Chlorobenzene-d5	1462860	731430	2925720	1462860	0.00
79 1,4-Dichlorobenze	1056782	528391	2113564	1056782	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.09	6.59	7.59	7.09	0.00
56 Chlorobenzene-d5	12.61	12.11	13.11	12.61	0.00
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 Calibration Internal Standard Area Check

CCV File : \\SANP2021\D\CHEM\MD.I\1012AD.B/DS2534.D
Inj. Date : 12-OCT-2000 08:43

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	7.09	0.01	1480718	1700170	114.8%
Chlorobenzene-d5	12.63	12.61	0.02	1259551	1462860	116.1%
1,4-Dichlorobenzene-d4	17.27	17.27	-0.00	906122	1056782	116.6%

8260B Area difference criteria: 50%-200%

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1012AD.B\DS2534.D
Lab Smp Id: 50 PPB 8260B STD
Inj Date : 12-OCT-2000 08:43
Operator : GFB Inst ID: md.i
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1251-2;49-2;47-1,,5,,2,all.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m
Meth Date : 12-Oct-2000 09:07 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	1.455	1.455	(0.205)	651050	50.0000	42.89
2 Vinyl chloride (*)	62	1.701	1.701	(0.240)	379842	50.0000	51.70
3 Chloromethane (**)	50	1.642	1.642	(0.232)	347122	50.0000	53.69
4 Bromomethane	94	1.977	1.977	(0.279)	367152	50.0000	49.11
5 Chloroethane	64	2.056	2.056	(0.290)	274506	50.0000	57.81
6 Trichlorofluoromethane	101	2.302	2.302	(0.325)	1334343	50.0000	54.78
7 Acrolein	56	2.696	2.696	(0.380)	202106	500.000	444.0(AQ)
8 1,1-Dichloroethene(*)	96	2.785	2.785	(0.393)	473069	50.0000	49.40
9 1,1,2-Trichlorotrifluoroethan	151	2.804	2.804	(0.396)	814346	50.0000	50.97
10 Acetone	43	2.864	2.864	(0.404)	566439	250.000	300.9(Q)
11 Iodomethane	142	2.942	2.942	(0.415)	1783170	100.000	96.67
12 Carbon disulfide	76	3.001	3.001	(0.423)	1110560	50.0000	51.70
13 Methylene chloride	84	3.326	3.326	(0.469)	502894	50.0000	51.69
14 t-Butanol	59	3.573	3.573	(0.504)	270231	1250.00	1495

	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	3.662	3.662	(0.516)	570457	50.0000	51.35
	16 Acrylonitrile	53	3.652	3.652	(0.515)	923402	500.000	638.1(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.701	3.701	(0.522)	1371445	50.0000	53.62
	18 1,1-Dichloroethane (**)	63	4.263	4.263	(0.601)	1032725	50.0000	53.95
	19 Vinyl acetate	43	4.391	4.391	(0.619)	2528537	100.000	102.4(A)
	20 Isopropyl ether	45	4.420	4.420	(0.623)	1750521	50.0000	52.88
	21 2,2-Dichloropropane	77	5.149	5.149	(0.726)	1064297	50.0000	51.22
	22 Tert-butyl ethyl ether	59	5.001	5.001	(0.705)	1616743	50.0000	51.07
	23 cis-1,2-Dichloroethene	96	5.169	5.169	(0.729)	587828	50.0000	52.14
	24 2-Butanone	43	5.267	5.267	(0.743)	911817	250.000	278.9
	25 Bromochloromethane	128	5.553	5.553	(0.783)	402257	50.0000	54.06
	26 Chloroform (*)	83	5.721	5.721	(0.807)	1343997	50.0000	53.97
	27 Tetrahydrofuran	42	5.681	5.681	(0.801)	130746	50.0000	66.19
M	28 1,2-Dichloroethene (total)	100				1158286	100.000	103.5
$	29 Dibromofluoromethane	111	5.987	5.987	(0.844)	1179883	50.0000	48.79
	30 1,1,1-Trichloroethane	97	5.967	5.967	(0.842)	1357216	50.0000	52.34
	31 Carbon Tetrachloride	117	6.233	6.233	(0.879)	1288825	50.0000	51.97
	32 1,1-Dichloropropene	75	6.253	6.253	(0.882)	939798	50.0000	50.88
$	33 1,2-Dichloroethane-d4	65	6.529	6.529	(0.921)	801793	50.0000	49.12
	34 1,2-Dichloroethane-d4 2nd	102	6.519	6.519	(0.919)	160501	50.0000	48.74
	35 Benzene	78	6.588	6.588	(0.929)	1457056	50.0000	50.50
	36 1,2-Dichloroethane	62	6.647	6.647	(0.937)	978132	50.0000	53.84
	37 Tert-amyl methyl ether	73	6.883	6.883	(0.971)	1553256	50.0000	51.72
*	38 Fluorobenzene	96	7.090	7.090	(1.000)	1700170	50.0000	
	39 Trichloroethene	130	7.740	7.740	(1.092)	836629	50.0000	52.65
	40 1,2-Dichloropropane(*)	63	8.125	8.125	(1.146)	620467	50.0000	52.75
	41 Dibromomethane	93	8.332	8.332	(1.175)	603394	50.0000	55.07
	42 Bromodichloromethane	83	8.647	8.647	(1.220)	1345624	50.0000	55.26
	43 1-Bromo-2-chloroethane	63	9.159	9.159	(1.292)	954598	50.0000	35.60(Q)
	44 2-Chloroethylvinyl ether	106	9.258	9.258	(1.306)	197524	100.000	132.2(AQ)
	45 cis-1,3-Dichloropropene	75	9.464	9.464	(1.335)	978604	50.0000	53.26
	46 4-Methyl-2-pentanone	43	9.819	9.819	(1.385)	2487997	250.000	281.2
$	47 Toluene-d8	98	9.928	9.928	(0.787)	1629136	50.0000	48.11
	48 Toluene (*)	91	10.036	10.036	(0.796)	1836515	50.0000	51.36
	49 trans-1,3-Dichloropropene	75	10.519	10.519	(0.834)	911479	50.0000	55.83
	50 1,1,2-Trichloroethane	97	10.844	10.844	(0.860)	636391	50.0000	53.95
	51 Tetrachloroethene	164	11.041	11.041	(0.876)	847217	50.0000	52.19
	52 1,3-Dichloropropane	76	11.129	11.129	(0.883)	1007002	50.0000	54.23
	53 2-Hexanone	43	11.386	11.386	(0.903)	1792735	250.000	277.7
	54 Dibromochloromethane	129	11.553	11.553	(0.916)	1174910	50.0000	54.43
	55 1,2-Dibromoethane	107	11.701	11.701	(0.928)	948172	50.0000	53.09
*	56 Chlorobenzene-d5	117	12.607	12.607	(1.000)	1462860	50.0000	
	57 Chlorobenzene (**)	112	12.676	12.676	(1.005)	1472148	50.0000	51.21
	58 1,1,1,2-Tetrachloroethane	131	12.873	12.873	(1.021)	932146	50.0000	53.64
	59 Ethylbenzene (*)	106	12.932	12.932	(1.026)	706821	50.0000	52.70
	60 m,p-Xylenes	106	13.169	13.169	(1.045)	1760106	100.000	104.4
	61 o-Xylene	106	13.918	13.918	(1.104)	849148	50.0000	52.16

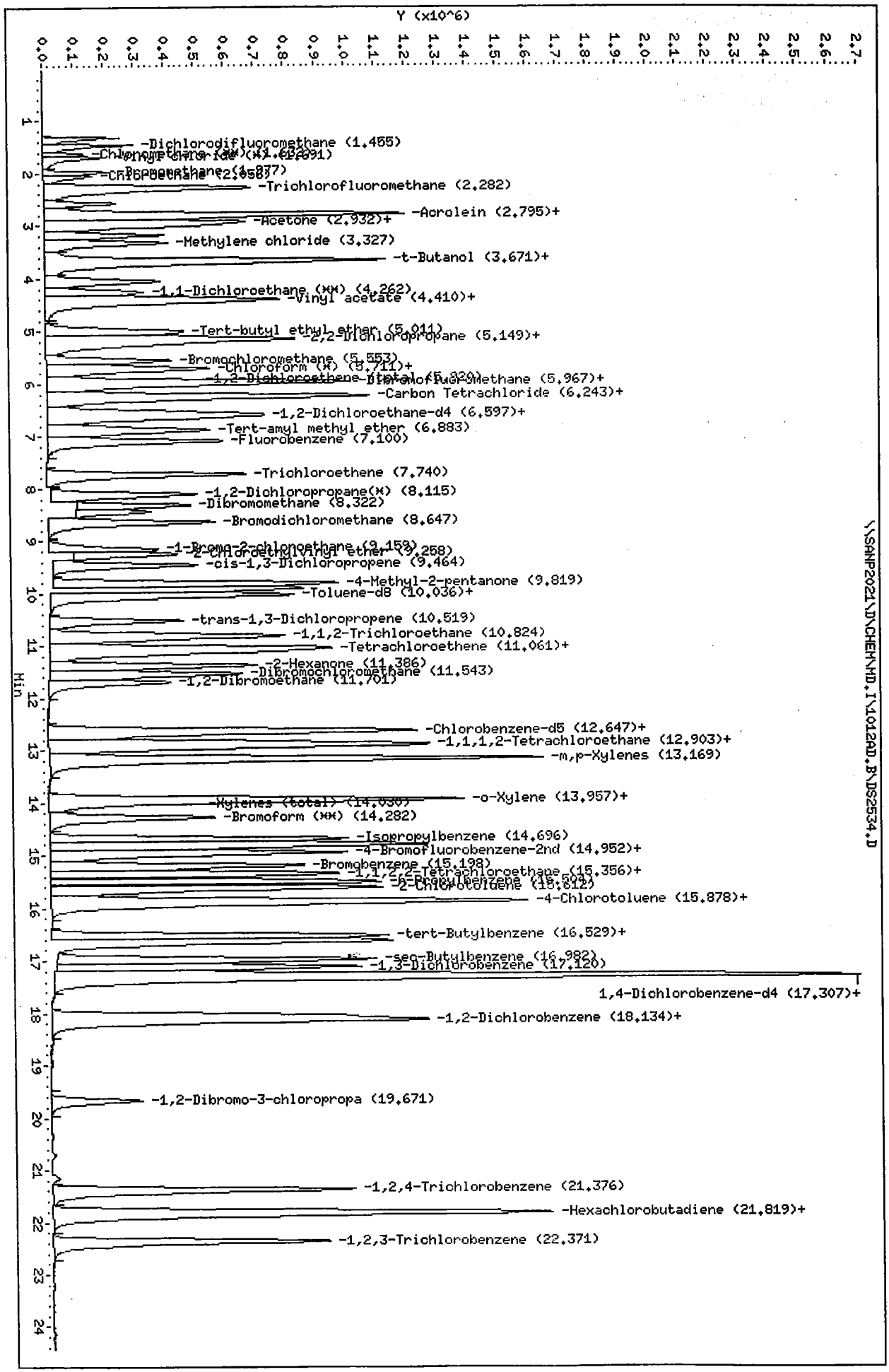
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.967	13.967	(1.108)	1430245	50.0000	52.89
M	63 Xylenes (total)	100				2609254	150.000	156.6
	64 Bromoform (**)	173	14.282	14.282	(1.133)	1006916	50.0000	57.82
	65 Isopropylbenzene	105	14.686	14.686	(1.165)	2729126	50.0000	53.17
	66 4-Bromofluorobenzene-2nd	174	14.952	14.952	(0.866)	1008217	50.0000	47.91
$	67 4-Bromofluorobenzene	95	14.952	14.952	(0.866)	1326165	50.0000	47.22
	68 Bromobenzene	156	15.198	15.198	(0.880)	927865	50.0000	52.85
	69 1,1,2,2-Tetrachloroethane(**)	83	15.336	15.336	(0.888)	980775	50.0000	54.26
	70 1,2,3-Trichloropropane	110	15.366	15.366	(0.890)	347746	50.0000	58.74
	71 n-Propylbenzene	91	15.514	15.514	(0.898)	2644822	50.0000	48.35
	72 2-Chlorotoluene	126	15.632	15.632	(0.905)	681304	50.0000	51.52
	73 4-Chlorotoluene	126	15.849	15.849	(0.918)	724610	50.0000	52.47
	74 1,3,5-Trimethylbenzene	105	15.908	15.908	(0.921)	2323361	50.0000	52.80
	75 tert-Butylbenzene	119	16.529	16.529	(0.957)	2413307	50.0000	53.10
	76 1,2,4-Trimethylbenzene	105	16.637	16.637	(0.963)	2336434	50.0000	52.15
	77 sec-Butylbenzene	105	16.982	16.982	(0.983)	3109377	50.0000	52.16
	78 1,3-Dichlorobenzene	146	17.120	17.120	(0.991)	1526588	50.0000	51.85
*	79 1,4-Dichlorobenzene-d4	152	17.267	17.267	(1.000)	1056782	50.0000	
	80 1,4-Dichlorobenzene	146	17.317	17.317	(1.003)	1643274	50.0000	51.15
	81 p-Isopropyltoluene	119	17.307	17.307	(1.002)	2593221	50.0000	52.73
	82 1,2-Dichlorobenzene	146	18.046	18.046	(1.045)	1439895	50.0000	51.13
	83 n-Butylbenzene	91	18.134	18.134	(1.050)	2509341	50.0000	53.43
	84 1,2-Dibromo-3-chloropropane	157	19.671	19.671	(1.139)	343151	50.0000	56.01
	85 1,2,4-Trichlorobenzene	180	21.386	21.386	(1.238)	1344293	50.0000	51.69
	86 Hexachlorobutadiene	225	21.809	21.809	(1.263)	1119238	50.0000	56.98
	87 Napthalene	128	21.849	21.849	(1.265)	1928317	50.0000	49.01
	88 1,2,3-Trichlorobenzene	180	22.371	22.371	(1.296)	1232458	50.0000	50.78

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\1012AD.B\DS2534.D
Date : 12-OCT-2000 08:43
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



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VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1012AD.B\D12933.D
Lab Smp Id: LCS-1012AD Client Smp ID: D12933
Inj Date : 12-OCT-2000 09:24
Operator : GFB Inst ID: md.i
Smp Info : LCS-1012AD,LCS,2,,0,1,0,8260BDA.M,D12933
Misc Info : 1253-1,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m
Meth Date : 12-Oct-2000 09:07 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

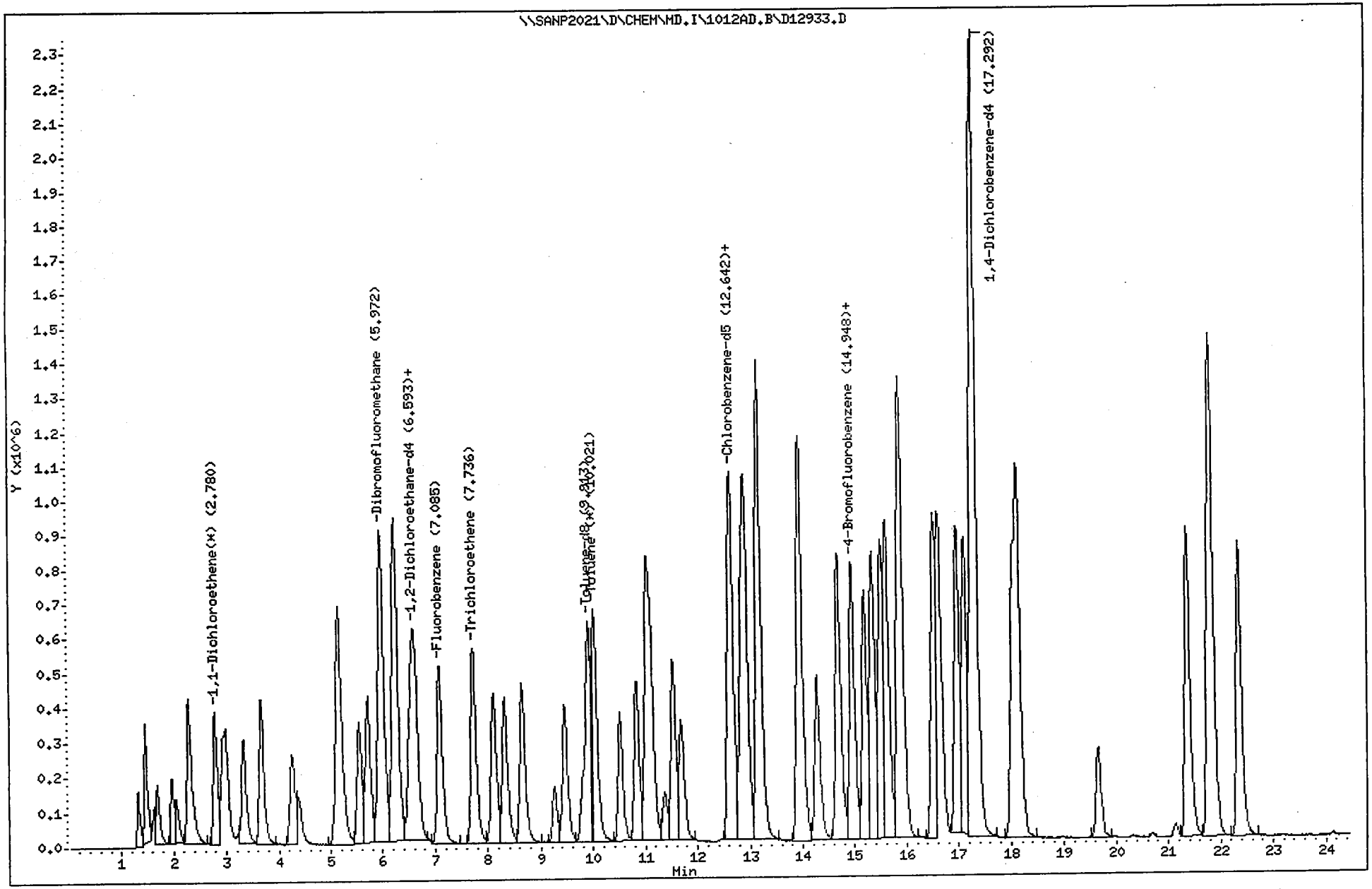
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.780	2.785	(0.392)	427332	49.2099	49.21
$ 29 Dibromofluoromethane	111	5.982	5.987	(0.843)	1088843	49.6523	49.65
$ 33 1,2-Dichloroethane-d4	65	6.524	6.529	(0.919)	721440	48.7395	48.74
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.519	(0.919)	151611	50.7696	50.77
35 Benzene	78	6.583	6.588	(0.928)	1249064	47.7403	47.74
* 38 Fluorobenzene	96	7.095	7.090	(1.000)	1541725	50.0000	
39 Trichloroethene	130	7.726	7.740	(1.089)	747395	51.8686	51.87
$ 47 Toluene-d8	98	9.913	9.928	(0.786)	1447719	46.9367	46.94
48 Toluene (*)	91	10.031	10.036	(0.795)	1551654	47.6448	47.64
* 56 Chlorobenzene-d5	117	12.613	12.607	(1.000)	1332373	50.0000	
57 Chlorobenzene (**)	112	12.662	12.676	(1.004)	1267267	48.4024	48.40
$ 67 4-Bromofluorobenzene	95	14.957	14.952	(0.866)	1194520	45.7299	45.73
66 4-Bromofluorobenzene-2nd	174	14.948	14.952	(0.866)	906565	46.3216	46.32
* 79 1,4-Dichlorobenzene-d4	152	17.263	17.267	(1.000)	982882	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12933.D
Date : 12-OCT-2000 09:24
Client ID: D12933
Sample Info: LCS-1012AD,LCS,2,,0,1,0,8260BDA.M,D12933

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



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BOE-C6-0147748

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1012AD.B\D12934.D
Lab Smp Id: MB-1012AD Client Smp ID: D12934
Inj Date : 12-OCT-2000 09:56
Operator : GFB Inst ID: md.i
Smp Info : MB-1012AD,BLANK,2,,0,1,0,8260BDA.M,D12934
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m
Meth Date : 12-Oct-2000 09:55 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	5.987	(0.844)	954527	44.7436	44.74
$ 33 1,2-Dichloroethane-d4	65	6.518	6.529	(0.919)	641504	44.5501	44.55
34 1,2-Dichloroethane-d4 2nd	102	6.528	6.519	(0.921)	128058	44.0804	44.08
36 1,2-Dichloroethane	62	7.099	6.647	(1.001)	26479	1.65211	1.65(aQ)
* 38 Fluorobenzene	96	7.090	7.090	(1.000)	1499819	50.0000	
$ 47 Toluene-d8	98	9.917	9.928	(0.786)	1377478	44.2043	44.20
* 56 Chlorobenzene-d5	117	12.617	12.607	(1.000)	1346092	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.952	14.952	(0.866)	868591	45.7391	45.74
$ 67 4-Bromofluorobenzene	95	14.961	14.952	(0.866)	1127635	44.4901	44.49
* 79 1,4-Dichlorobenzene-d4	152	17.267	17.267	(1.000)	953705	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\1012AD.B\D12934.D
Lab Smp Id: MB-1012AD Client Smp ID: D12934
Inj Date : 12-OCT-2000 09:56
Operator : GFB Inst ID: md.i
Smp Info : MB-1012AD,BLANK,2,,0,1,0,8260BDA.M,D12934
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m
Meth Date : 12-Oct-2000 09:55 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	7.090	3452102	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.316	580940	8.41429252	8.41	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1012AD
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12934
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

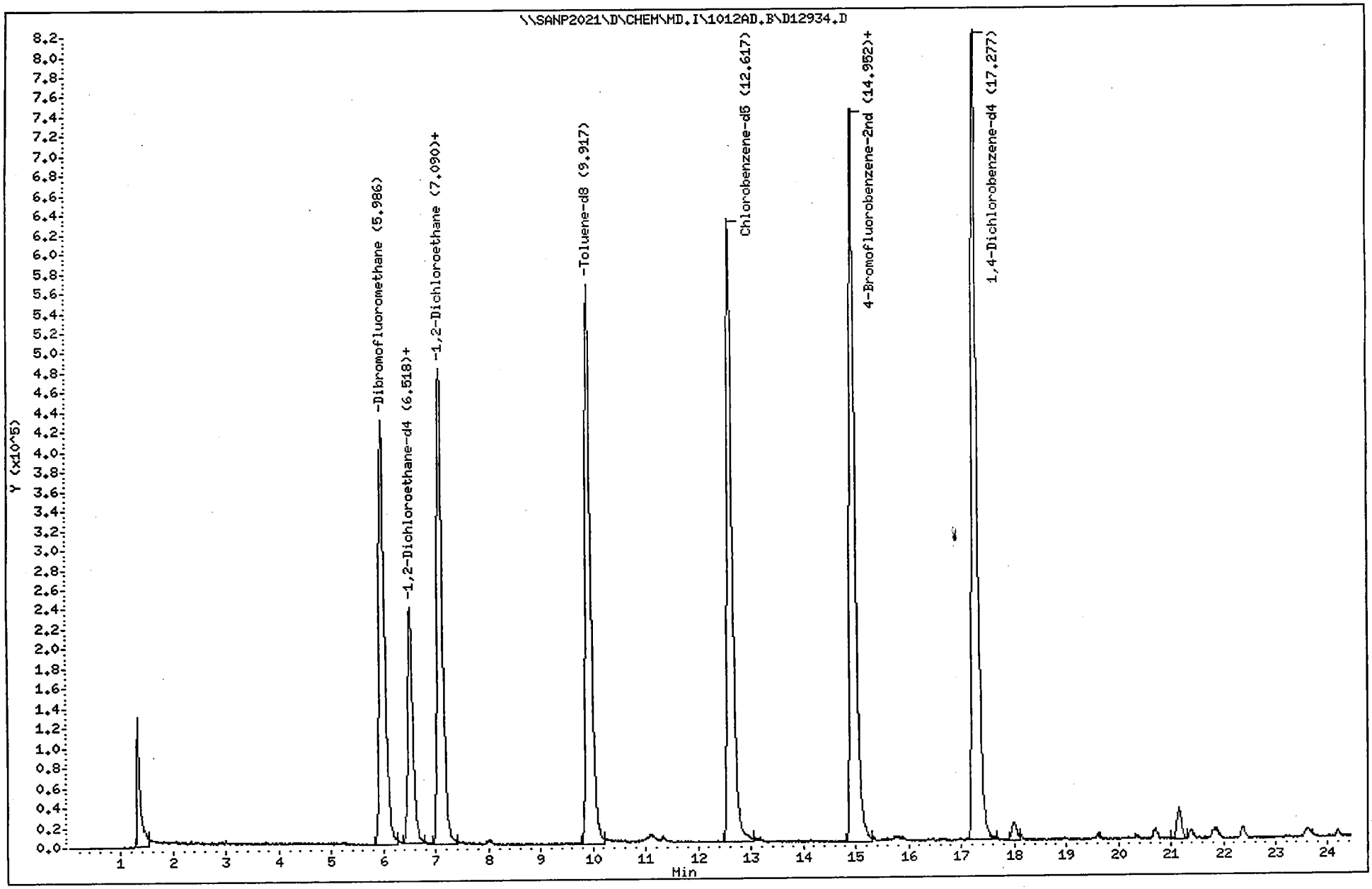
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown JV	1.316	8.41	J

Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12934.D
Date : 12-OCT-2000 09:56
Client ID: D12934
Sample Info: MB-1012AD,BLANK,2,,0,1,0,8260BDA.M,D12934

Instrument: md.i

Operator: GFB
Column diameter: 0.53

Column phase: J&W DB-624



Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12934.D

Date : 12-OCT-2000 09:56

Client ID: D12934

Instrument: md.i

Sample Info: MB-1012AD,BLANK,2,,0,1,0,8260BDA.M,D12934

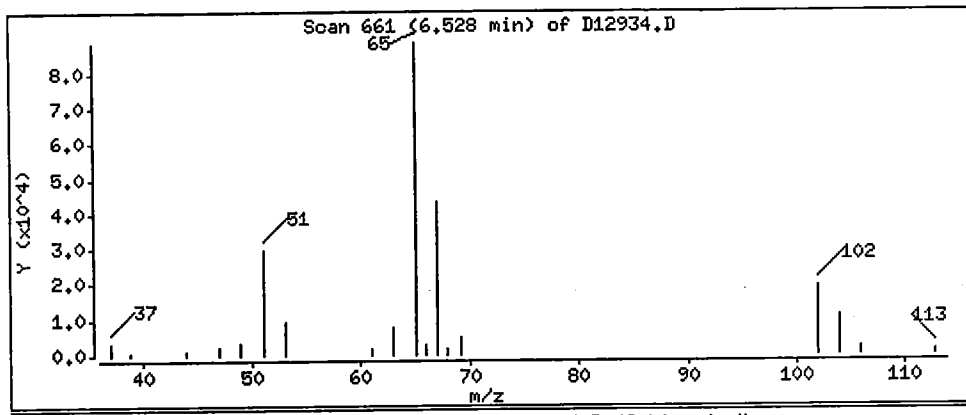
Operator: GFB

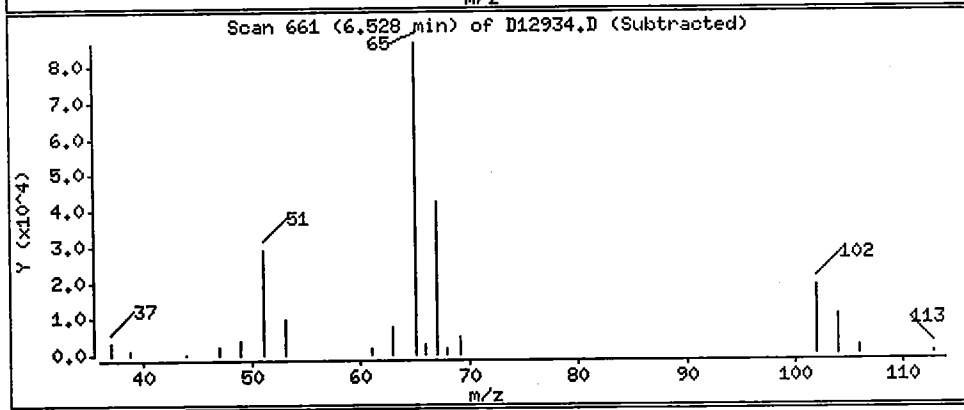
Column phase: J&W DB-624

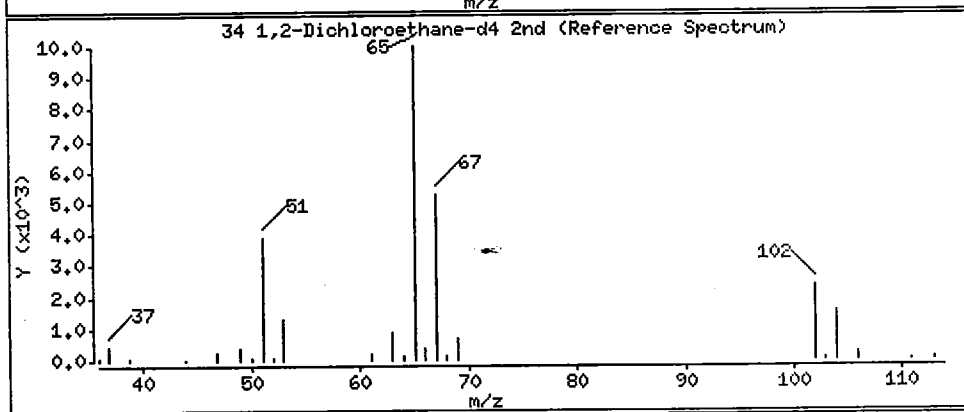
Column diameter: 0.53

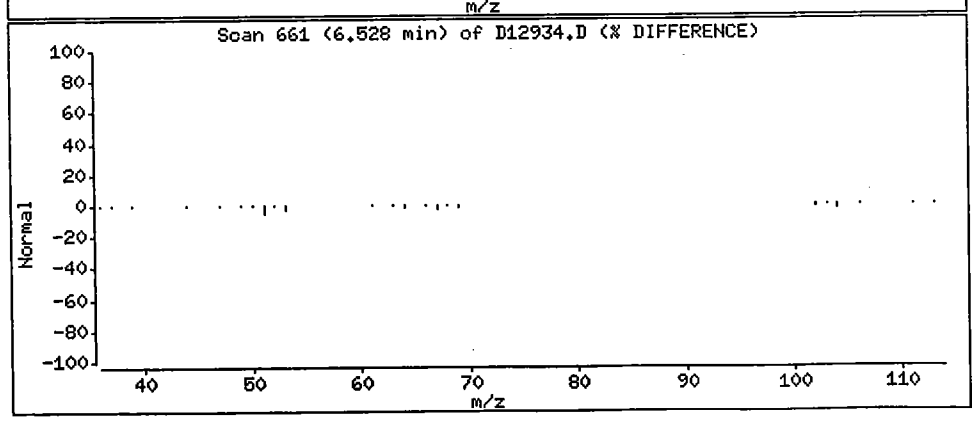
34 1,2-Dichloroethane-d4 2nd

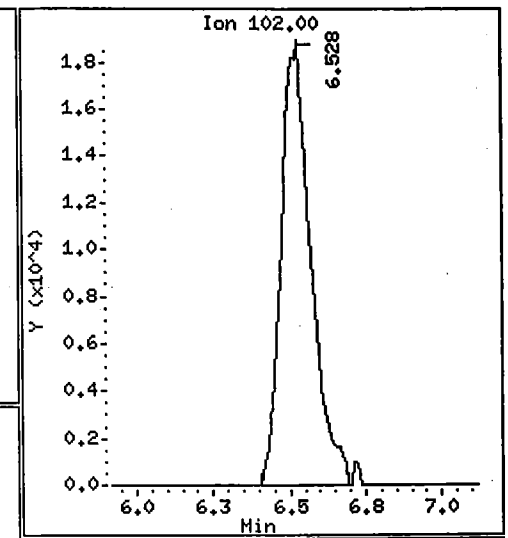
Concentration: 44.08 ug/Kg

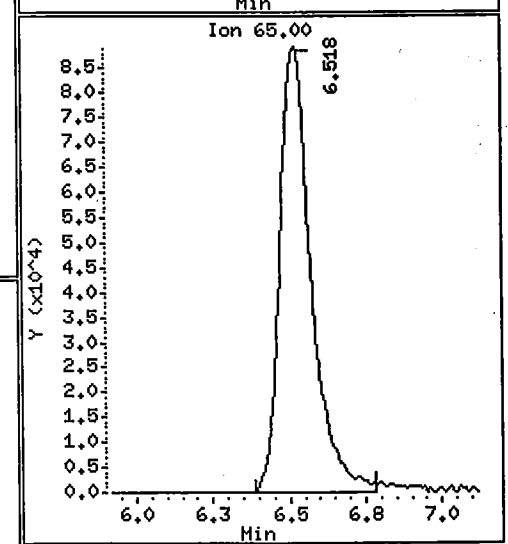












Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12934.D

Date : 12-OCT-2000 09:56

Client ID: D12934

Instrument: md.i

Sample Info: MB-1012AD,BLANK,2,,0,1,0,8260BDA.M,D12934

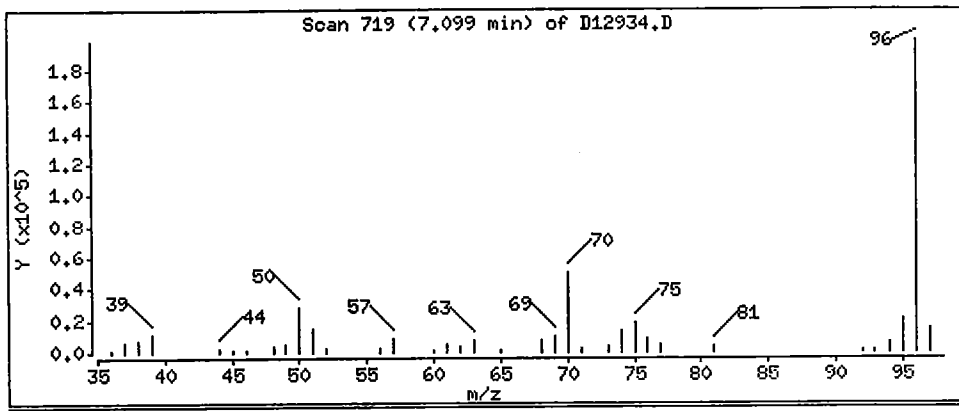
Operator: GFB

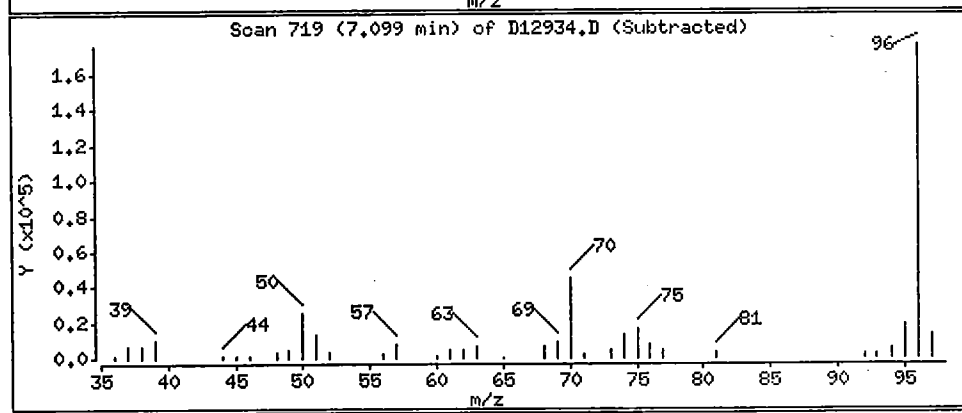
Column phase: J&W DB-624

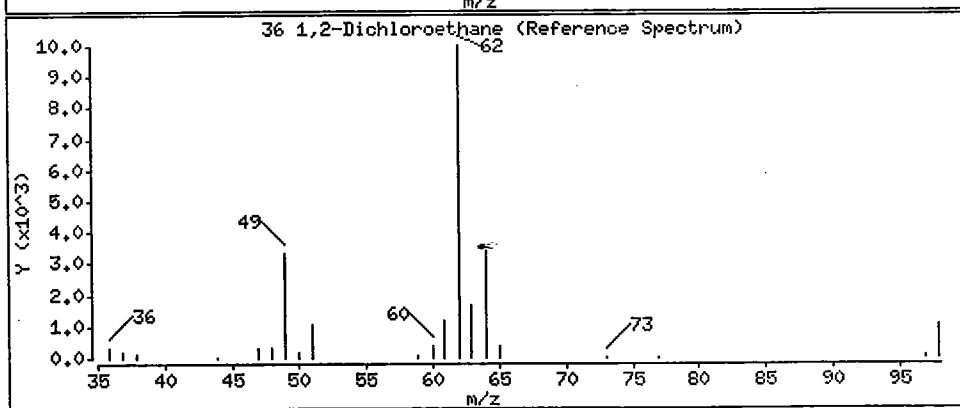
Column diameter: 0.53

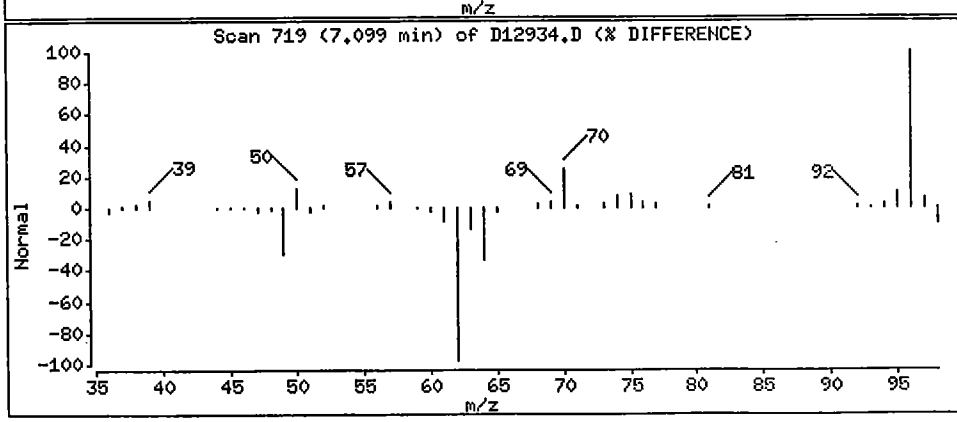
36 1,2-Dichloroethane

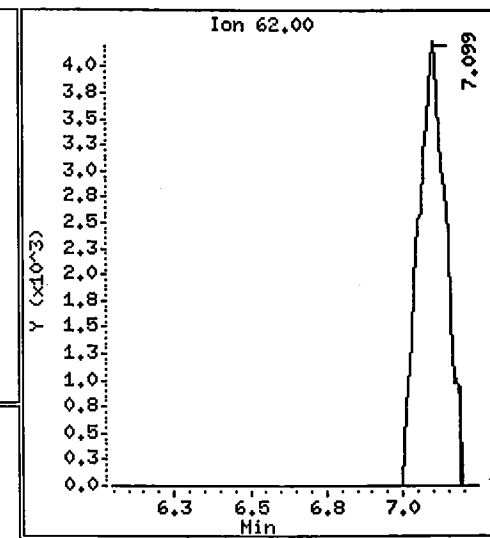
Concentration: 1.65 ug/Kg

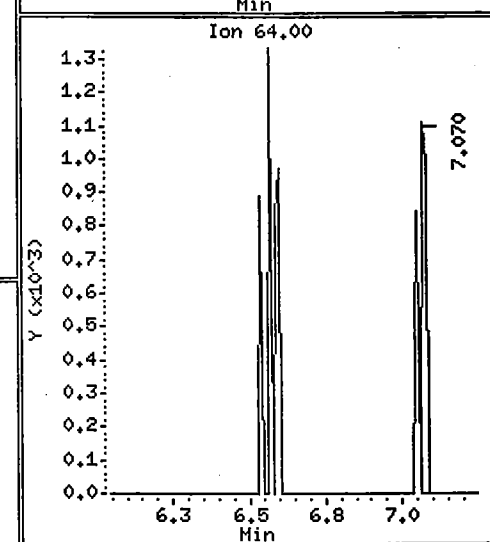


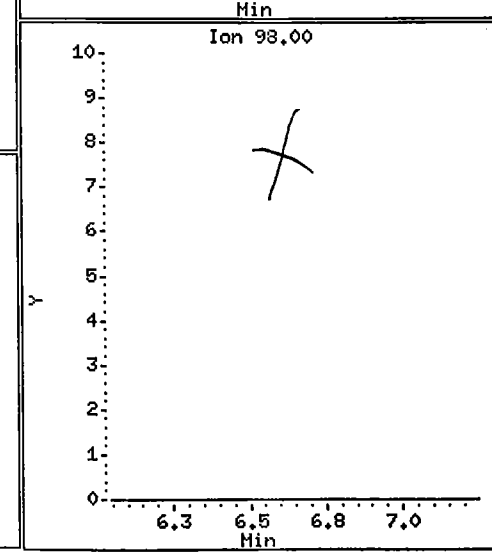












Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12934.D

Date : 12-OCT-2000 09:56

Client ID: D12934

Instrument: md.i

Sample Info: MB-1012AD,BLANK,2,,0,1,0,8260BDA.M,D12934

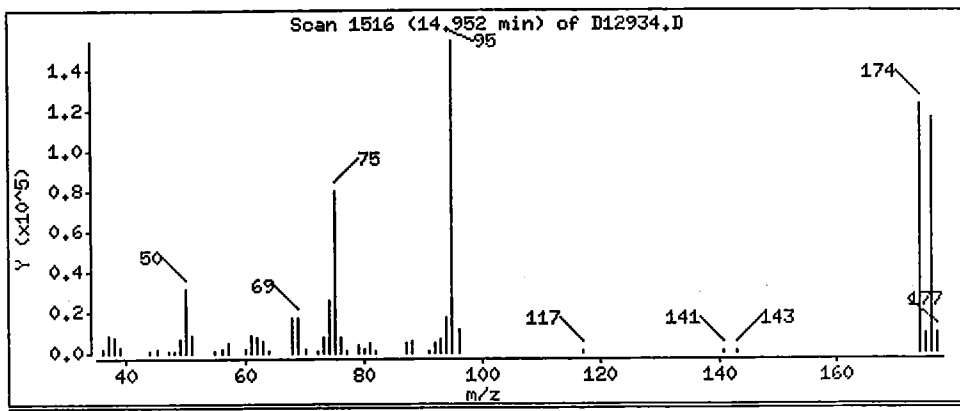
Operator: GFB

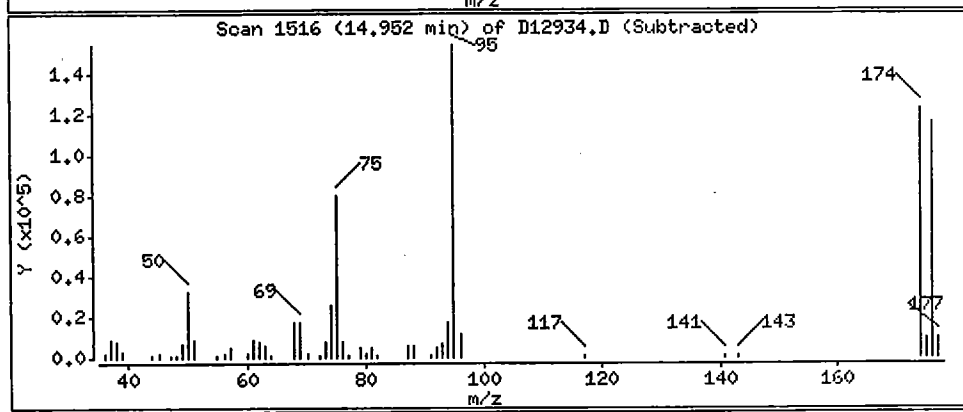
Column phase: J&W DB-624

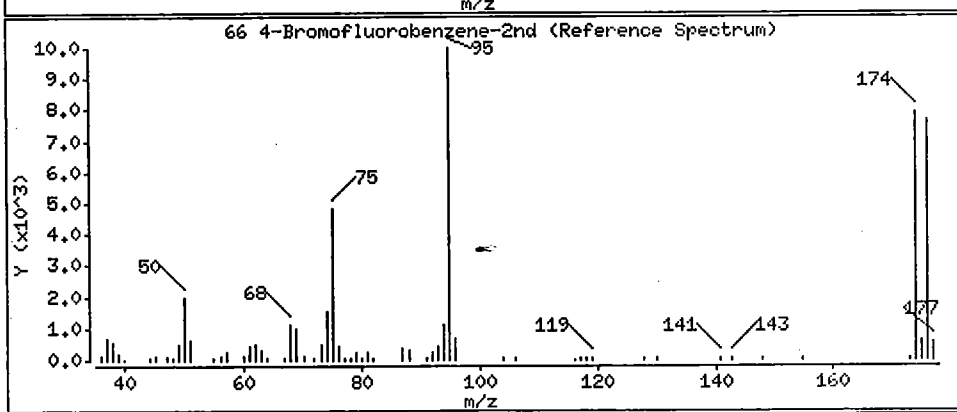
Column diameter: 0.53

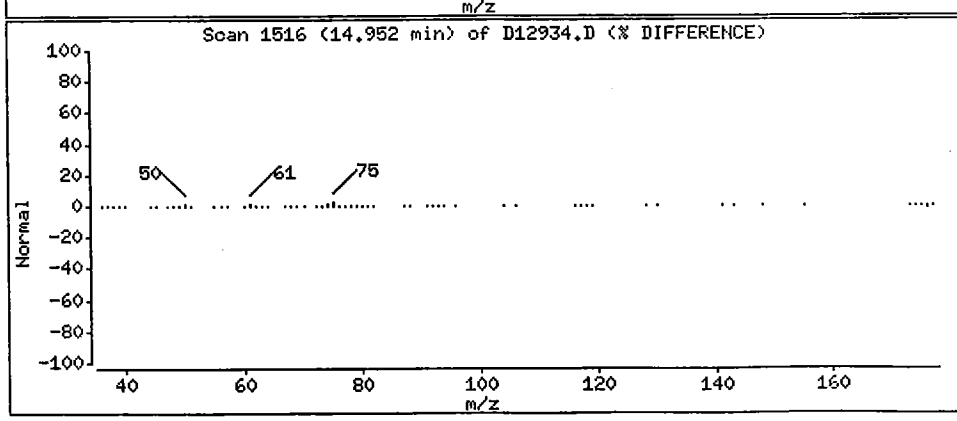
66 4-Bromofluorobenzene-2nd

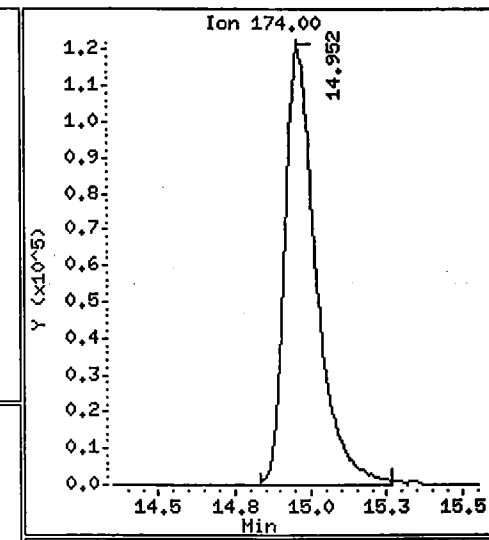
Concentration: 45.74 ug/Kg

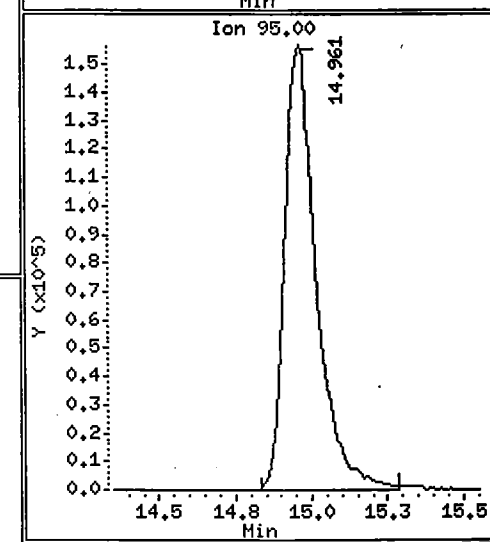


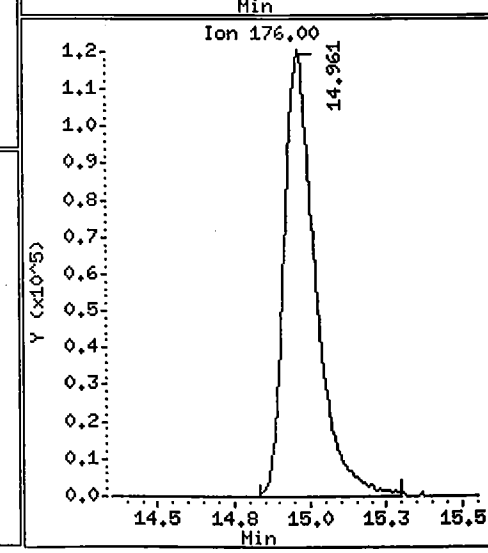












Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12934.D

Date : 12-OCT-2000 09:56

Client ID: D12934

Instrument: md.i

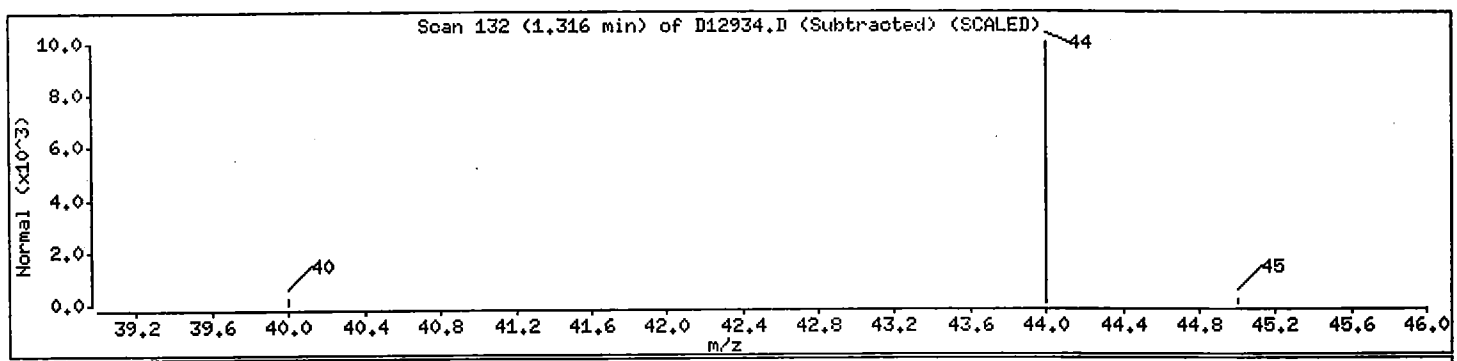
Sample Info: MB-1012AD,BLANK,2,,0,1,0,8260BDA,M,D12934

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\1012AD.B\D12940.D
Lab Smp Id: DLFLL102 Client Smp ID: D12940
Inj Date : 12-OCT-2000 13:17
Operator : GFB Inst ID: md.i
Smp Info : DLFLL102,MS,2,,0,1,0,8260BDA.M,D12940
Misc Info : 162-1S,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m
Meth Date : 12-Oct-2000 09:55 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 9 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	2.790	2.785	(0.393)	307290	41.8604	41.86
$ 29 Dibromofluoromethane	111	5.982	5.987	(0.843)	868266	46.8375	46.84
$ 33 1,2-Dichloroethane-d4	65	6.524	6.529	(0.919)	604698	48.3267	48.33
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.519	(0.919)	80798	32.0067	32.01(Q)
35 Benzene	78	6.583	6.588	(0.928)	962111	43.5003	43.50
* 38 Fluorobenzene	96	7.095	7.090	(1.000)	1303287	50.0000	
39 Trichloroethene	130	7.736	7.740	(1.090)	595071	48.8528	48.85
$ 47 Toluene-d8	98	9.933	9.928	(0.787)	1194130	46.4331	46.43
48 Toluene (*)	91	10.041	10.036	(0.795)	2109329	77.6806	77.68(R)
* 56 Chlorobenzene-d5	117	12.622	12.607	(1.000)	1110909	50.0000	
57 Chlorobenzene (**)	112	12.662	12.676	(1.003)	854114	39.1257	39.12
$ 67 4-Bromofluorobenzene	95	14.957	14.952	(0.866)	931547	51.3405	51.34
66 4-Bromofluorobenzene-2nd	174	14.947	14.952	(0.865)	717974	52.8131	52.81
* 79 1,4-Dichlorobenzene-d4	152	17.272	17.267	(1.000)	682736	50.0000	(Q)

QC Flag Legend

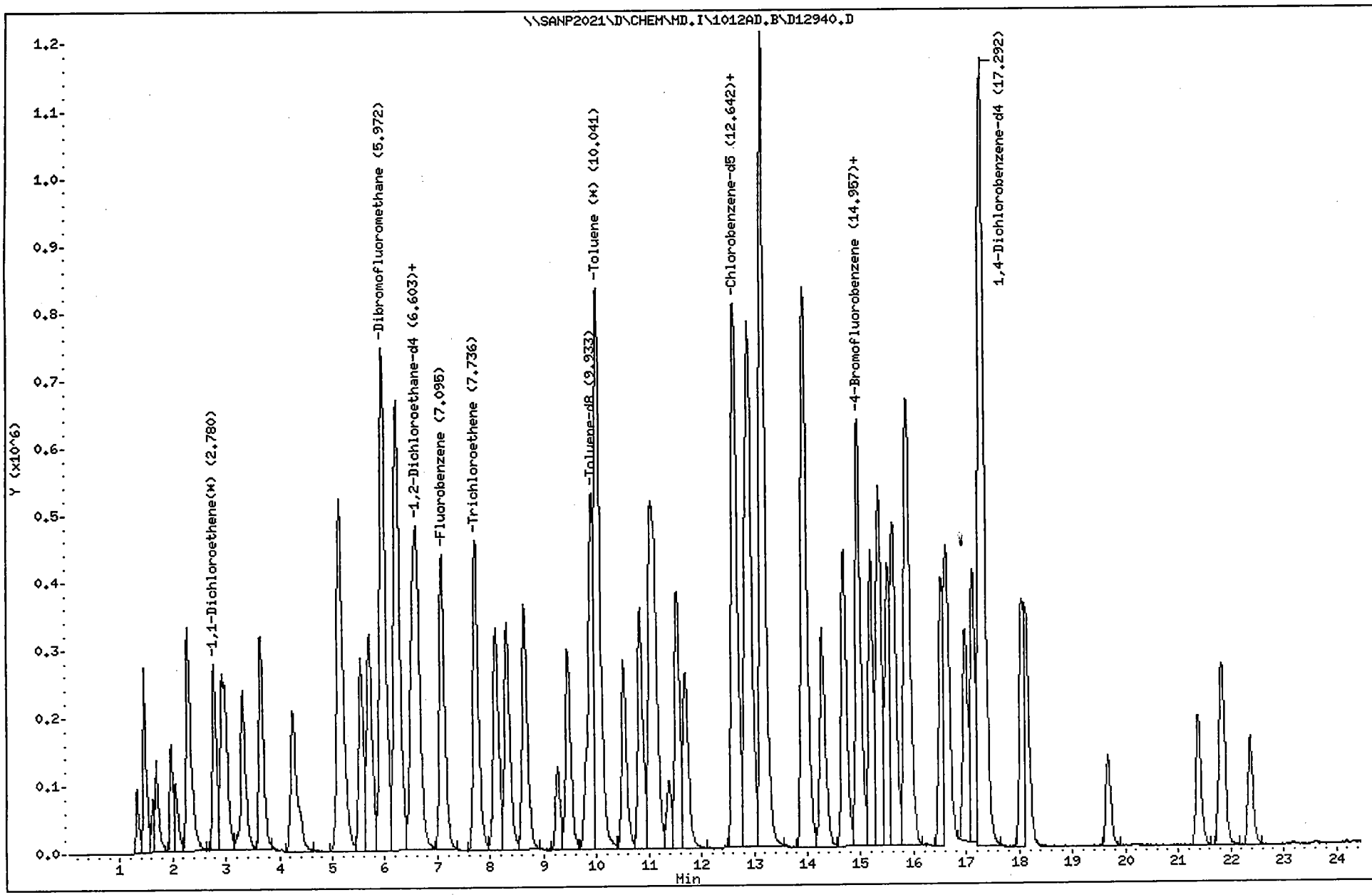
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12940.D
Date : 12-OCT-2000 13:17
Client ID: D12940
Sample Info: DLFLL102,MS,2,,0,1,0,8260BDA.M,D12940

Instrument: md.i

Operator: GFB
Column diameter: 0.53

Column phase: J&W DB-624



000685

BOE-C6-0147760

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1012AD.B\D12941.D
Lab Smp Id: DLFLL103 Client Smp ID: D12941
Inj Date : 12-OCT-2000 13:49
Operator : GFB Inst ID: md.i
Smp Info : DLFLL103,MSD,2,,0,1,0,8260BDA.M,D12941
Misc Info : 162-1D,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m
Meth Date : 12-Oct-2000 09:55 ramirezr Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 10 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	2.779	2.785	(0.392)	357163	45.8172	45.82
$ 29 Dibromofluoromethane	111	5.981	5.987	(0.843)	930805	47.2833	47.28
$ 33 1,2-Dichloroethane-d4	65	6.523	6.529	(0.919)	647591	48.7368	48.74
34 1,2-Dichloroethane-d4 2nd	102	6.513	6.519	(0.918)	126610	47.2297	47.23
35 Benzene	78	6.582	6.588	(0.928)	1087724	46.3121	46.31
* 38 Fluorobenzene	96	7.095	7.090	(1.000)	1383987	50.0000	
39 Trichloroethene	130	7.735	7.740	(1.090)	677564	52.3817	52.38
$ 47 Toluene-d8	98	9.922	9.928	(0.786)	1310525	47.8613	47.86
48 Toluene (*)	91	10.041	10.036	(0.795)	2671396	92.3995	92.40(R)
* 56 Chlorobenzene-d5	117	12.622	12.607	(1.000)	1182811	50.0000	
57 Chlorobenzene (**)	112	12.681	12.676	(1.005)	1013043	43.5850	43.58
$ 67 4-Bromofluorobenzene	95	14.957	14.952	(0.866)	997986	52.7635	52.76
66 4-Bromofluorobenzene-2nd	174	14.957	14.952	(0.866)	749521	52.8896	52.89
* 79 1,4-Dichlorobenzene-d4	152	17.272	17.267	(1.000)	711705	50.0000	

QC Flag Legend

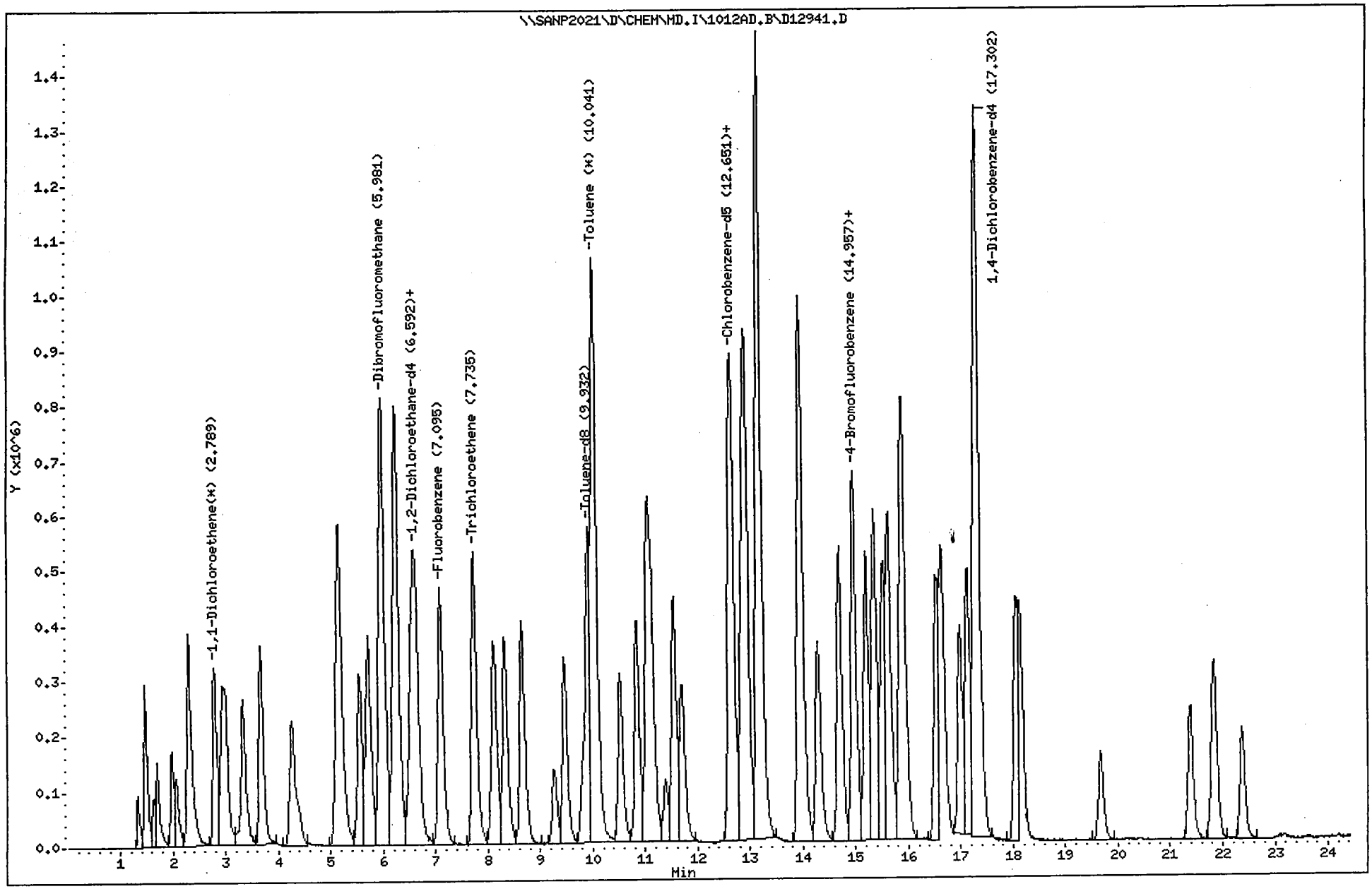
R - Spike/Surrogate failed recovery limits.

Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12941.D
Date : 12-OCT-2000 13:49
Client ID: D12941
Sample Info: DLFLL103,MSD,2,,0,1,0,8260BDA.M,D12941

Instrument: md.i

Operator: GFB
Column diameter: 0.53

Column phase: J&W DB-624



000688

BOE-C6-0147763

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1012AD.B\D12935.D
Lab Smp Id: DLFKJ101 Client Smp ID: D12935
Inj Date : 12-OCT-2000 10:38
Operator : GFB Inst ID: md.i
Smp Info : DLFKJ101,,2,,0,1,0,8260BDA.M,D12935
Misc Info : E0J030150-28,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m
Meth Date : 12-Oct-2000 09:55 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)
$ 29 Dibromofluoromethane	111	5.978	5.987	(0.843)	954612	47.5231	47.52
$ 33 1,2-Dichloroethane-d4	65	6.530	6.529	(0.921)	616159	45.4441	45.44
34 1,2-Dichloroethane-d4 2nd	102	6.530	6.519	(0.921)	126073	46.0890	46.09
36 1,2-Dichloroethane	62	7.081	6.647	(0.999)	25667	1.70075	1.70(aQ)
* 38 Fluorobenzene	96	7.091	7.090	(1.000)	1412222	50.0000	
39 Trichloroethene	130	7.742	7.740	(1.092)	42736	3.23782	3.24(a)
$ 47 Toluene-d8	98	9.919	9.928	(0.786)	1338165	45.0408	45.04
* 56 Chlorobenzene-d5	117	12.618	12.607	(1.000)	1283388	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.963	14.952	(0.866)	825569	45.6967	45.70
$ 67 4-Bromofluorobenzene	95	14.953	14.952	(0.866)	1096162	45.4600	45.46
* 79 1,4-Dichlorobenzene-d4	152	17.269	17.267	(1.000)	907307	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\1012AD.B\D12935.D
Lab Smp Id: DLFKJ101 Client Smp ID: D12935
Inj Date : 12-OCT-2000 10:38
Operator : GFB Inst ID: md.i
Smp Info : DLFKJ101,,2,,0,1,0,8260BDA.M,D12935
Misc Info : E0J030150-28,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m
Meth Date : 12-Oct-2000 09:55 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	7.091	3337576	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.318	570537	8.54717105	8.55	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFKJ101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12935
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 SV	1.318	8.55	J

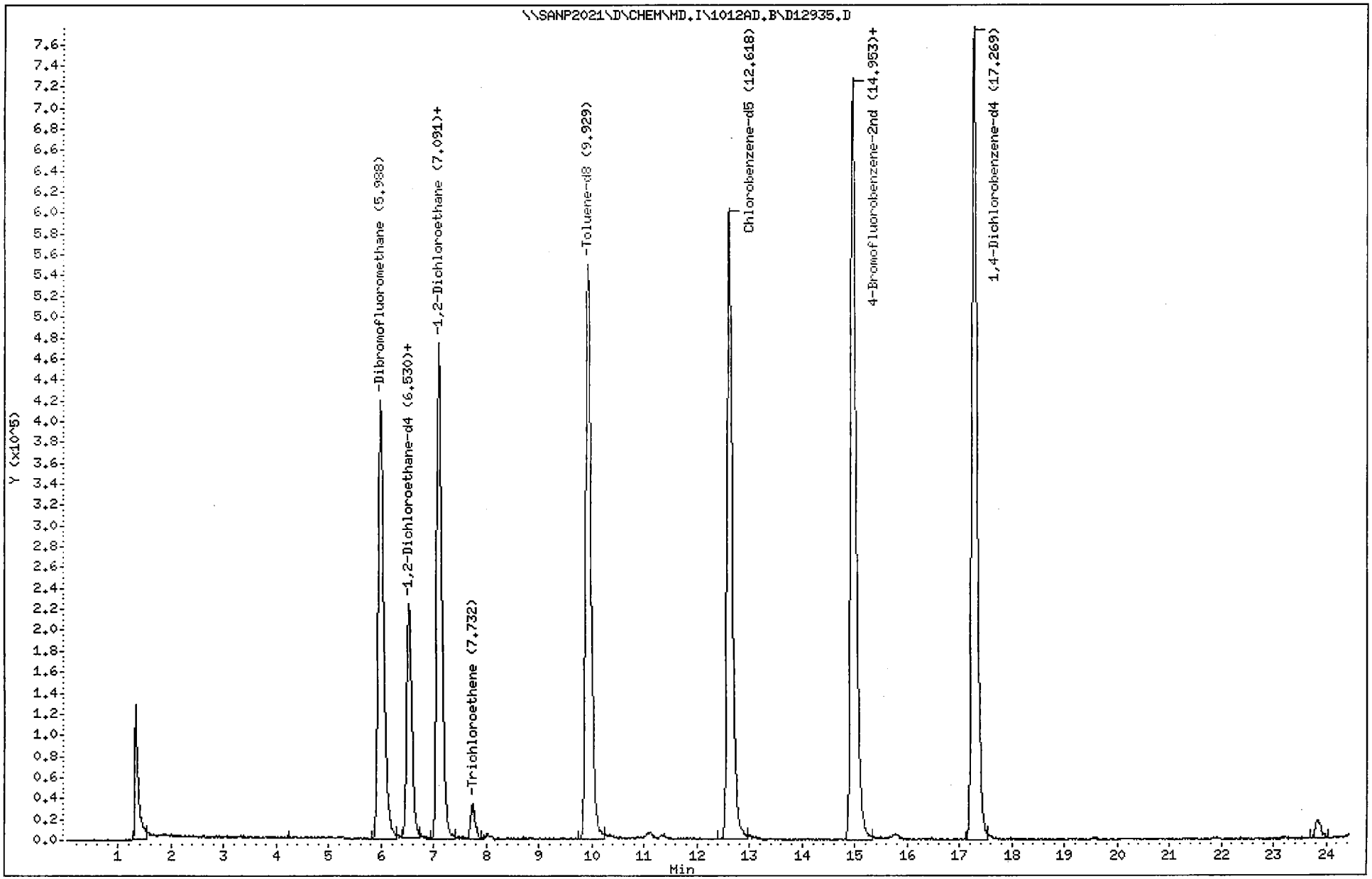
Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12935.D
Date : 12-OCT-2000 10:38
Client ID: D12935
Sample Info: DLFKJ101,,2,,0,1,0,8260BDA.M,D12935

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000693

BOE-C6-0147768

Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12935.D

Date : 12-OCT-2000 10:38

Client ID: D12935

Instrument: md.i

Sample Info: DLFKJ101,,2,,0,1,0,8260BDA.M,D12935

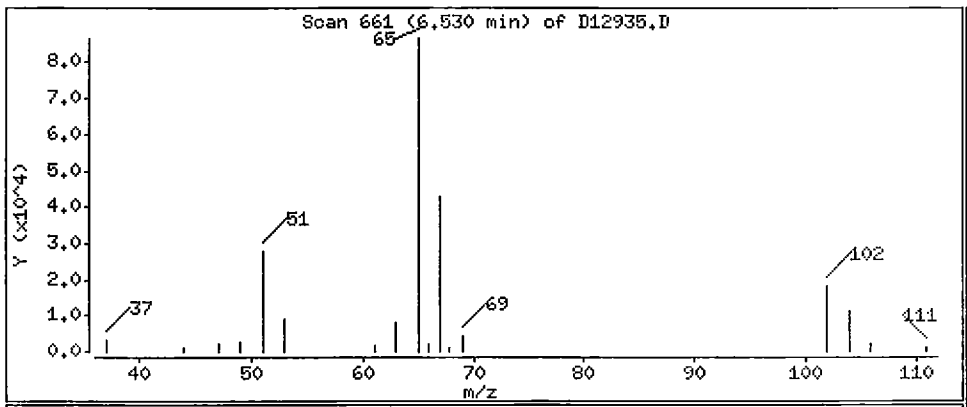
Operator: GFB

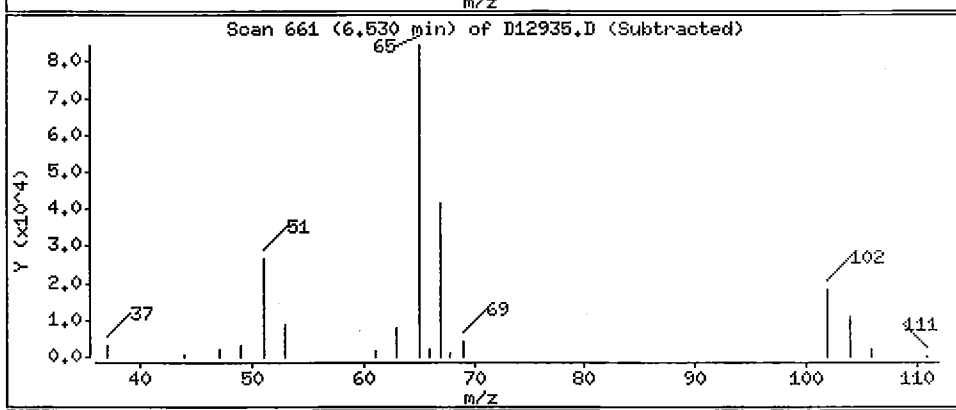
Column phase: J&W DB-624

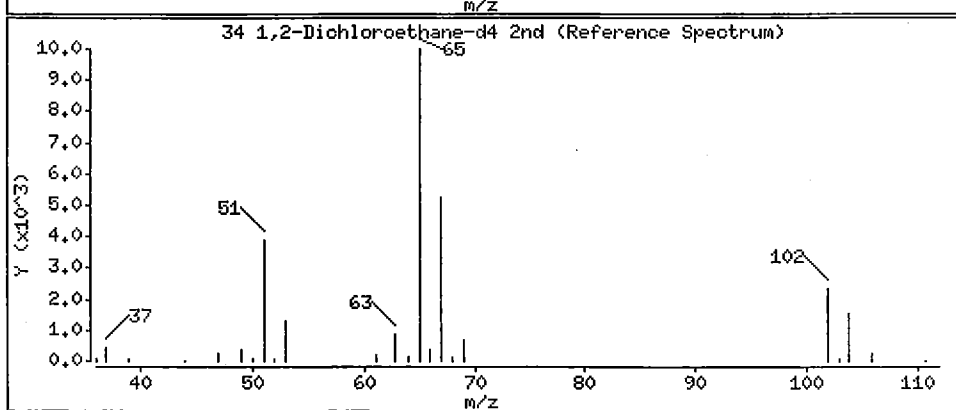
Column diameter: 0.53

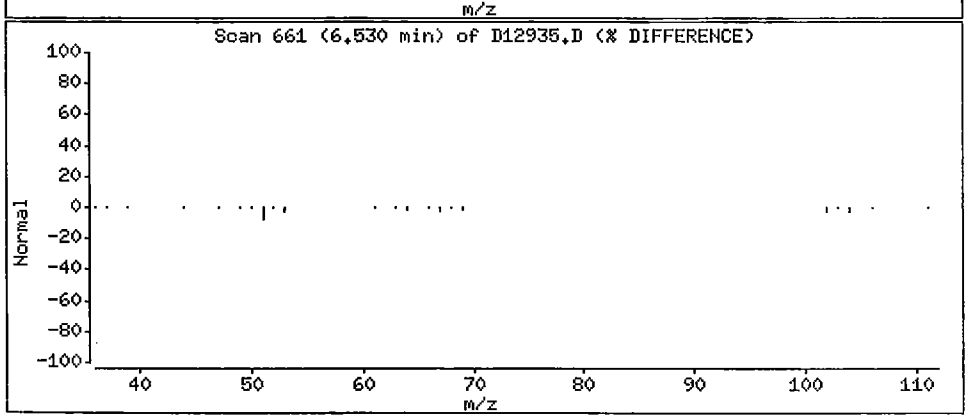
34 1,2-Dichloroethane-d4 2nd

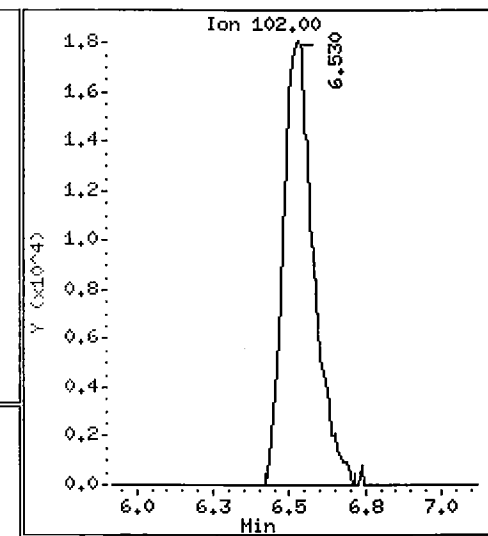
Concentration: 46.09 ug/Kg

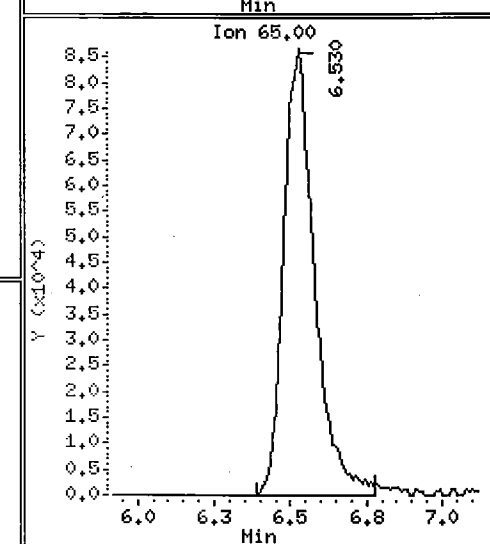












Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12935.D

Date : 12-OCT-2000 10:38

Client ID: D12935

Instrument: md.i

Sample Info: DLFKJ101,,2,,0,1,0,8260BDA.M,D12935

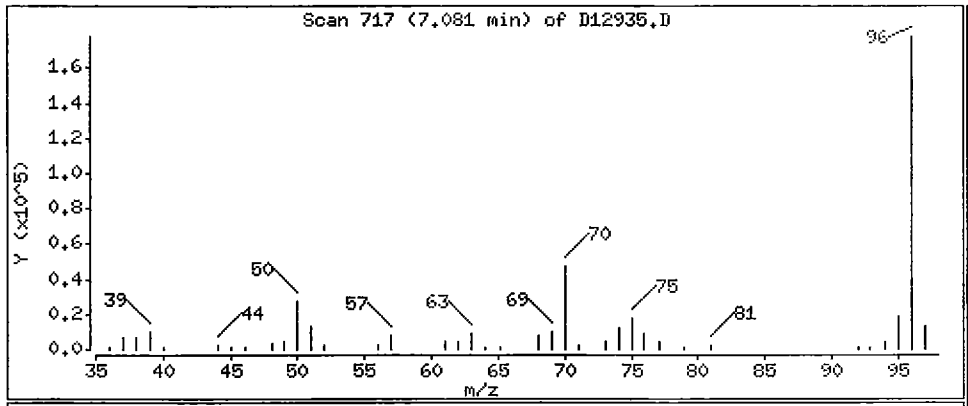
Operator: GFB

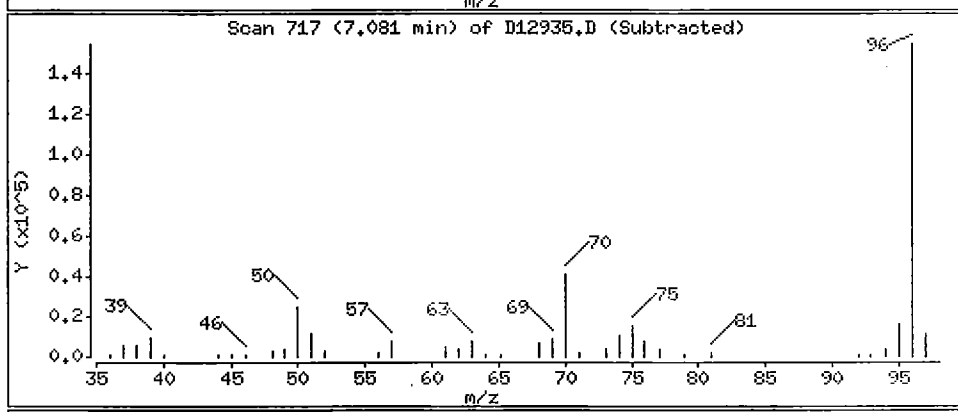
Column phase: J&W DB-624

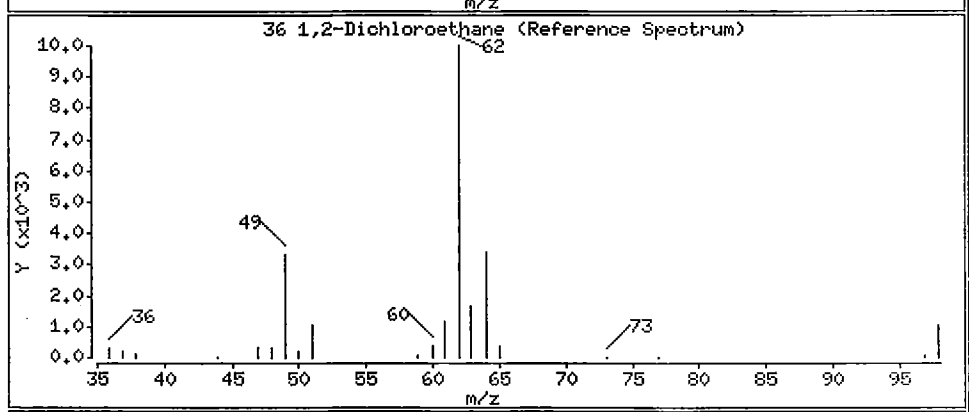
Column diameter: 0.53

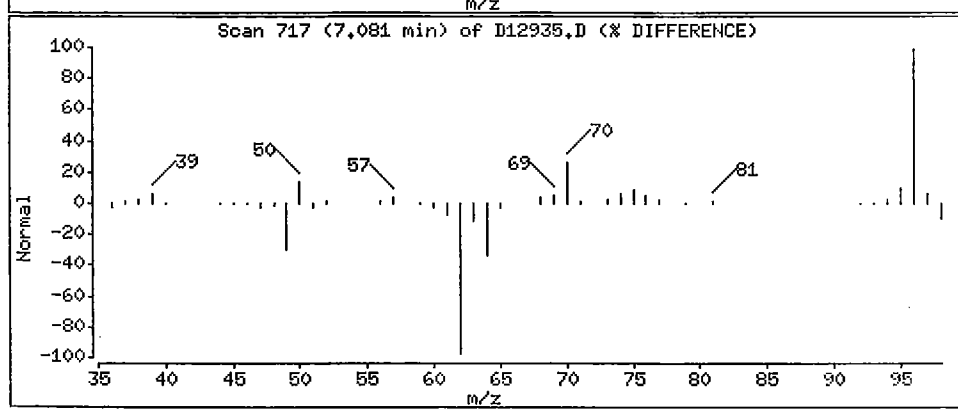
36 1,2-Dichloroethane

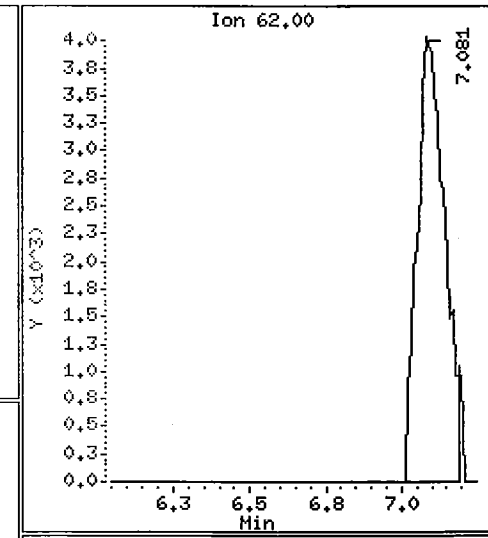
Concentration: 1.70 ug/Kg

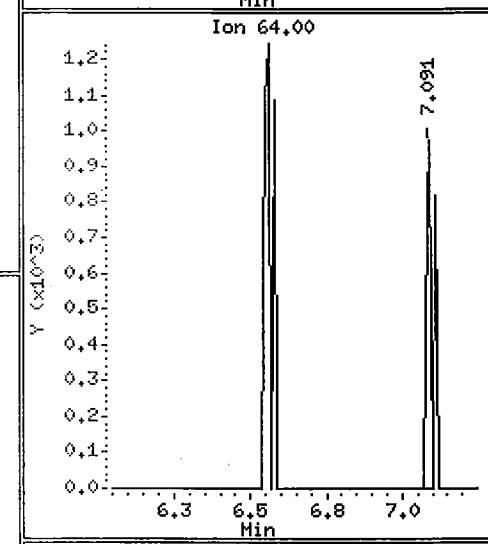


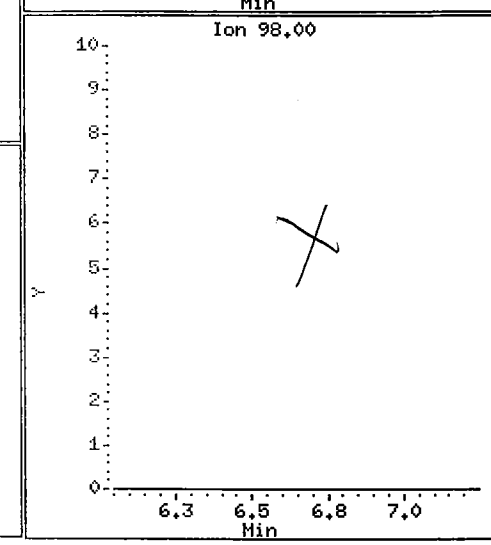












Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12935.D

Date : 12-OCT-2000 10:38

Client ID: D12935

Instrument: md.i

Sample Info: DLFKJ101,,2,,0,1,0,8260BDA.M,D12935

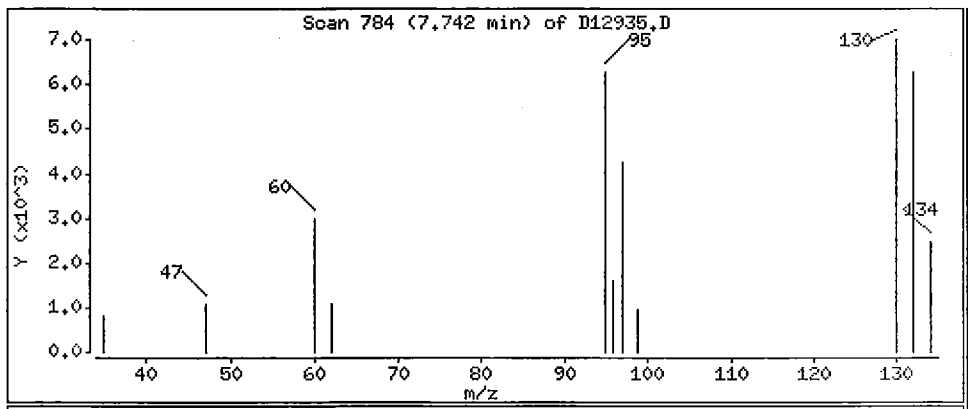
Operator: GFB

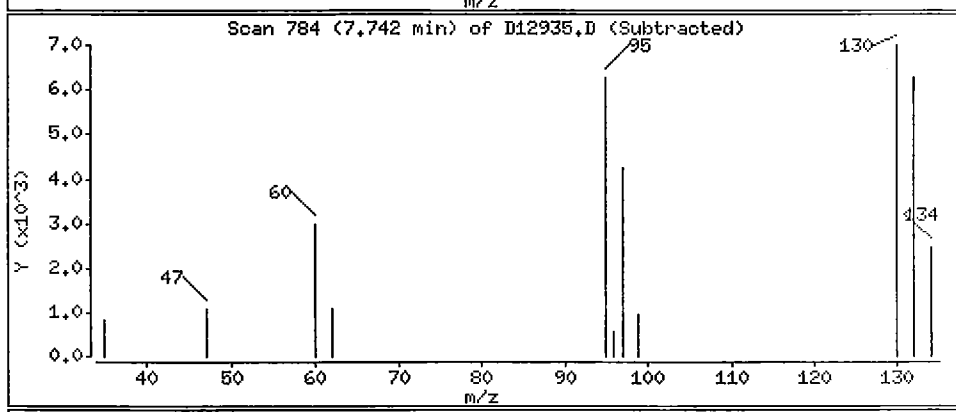
Column phase: J&W DB-624

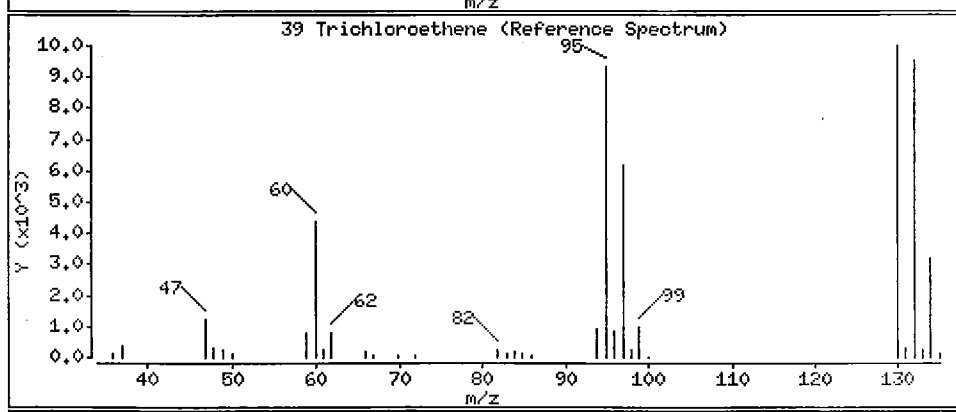
Column diameter: 0.53

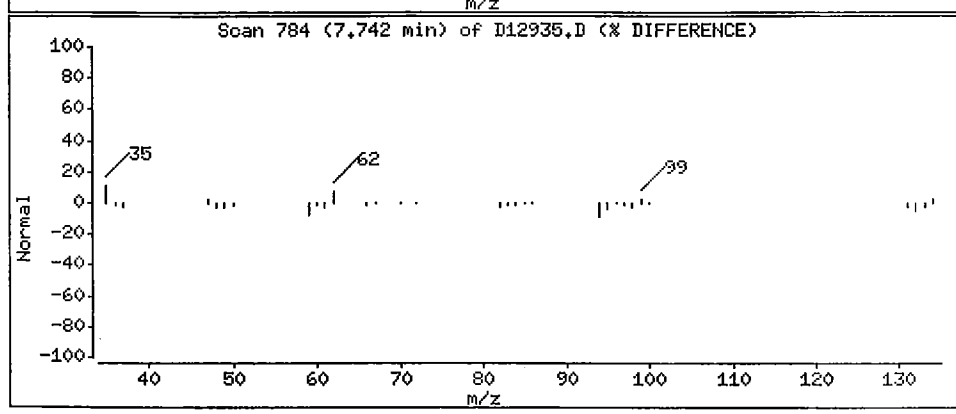
39 Trichloroethene

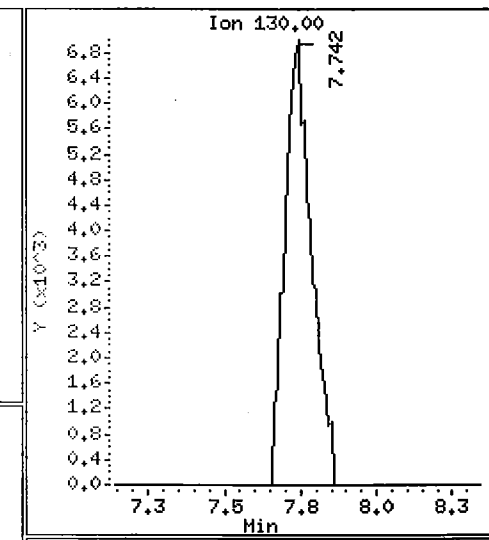
Concentration: 3.24 ug/Kg

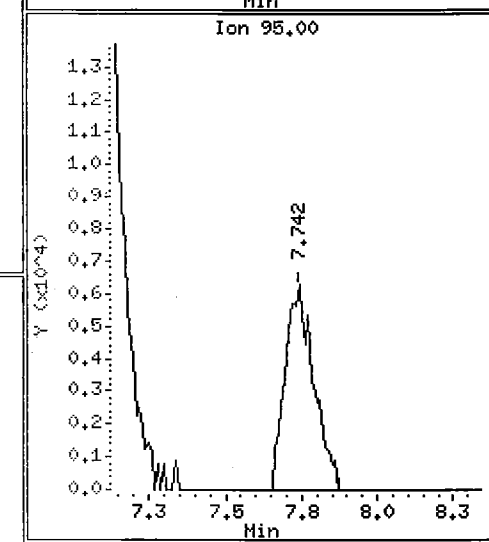


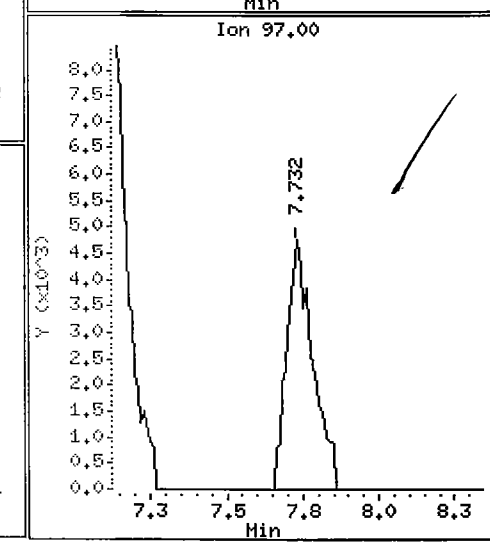












Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12935.D

Date : 12-OCT-2000 10:38

Client ID: D12935

Instrument: md.i

Sample Info: DLFKJ101,,2,,0,1,0,8260BDA.M,D12935

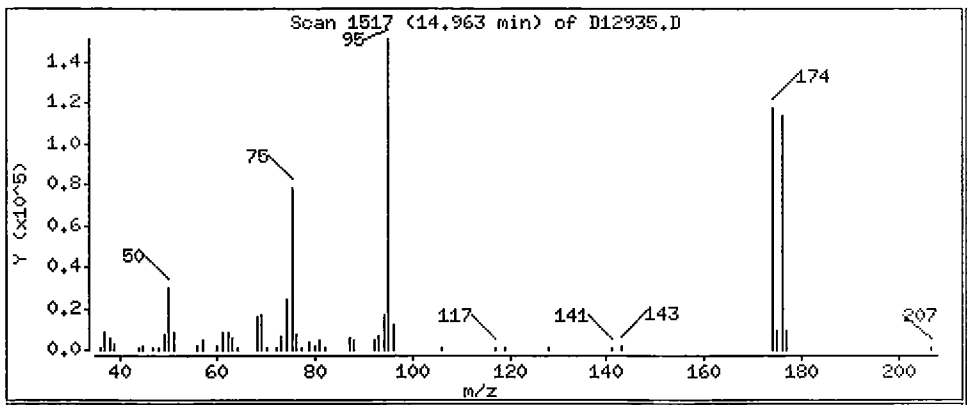
Operator: GFB

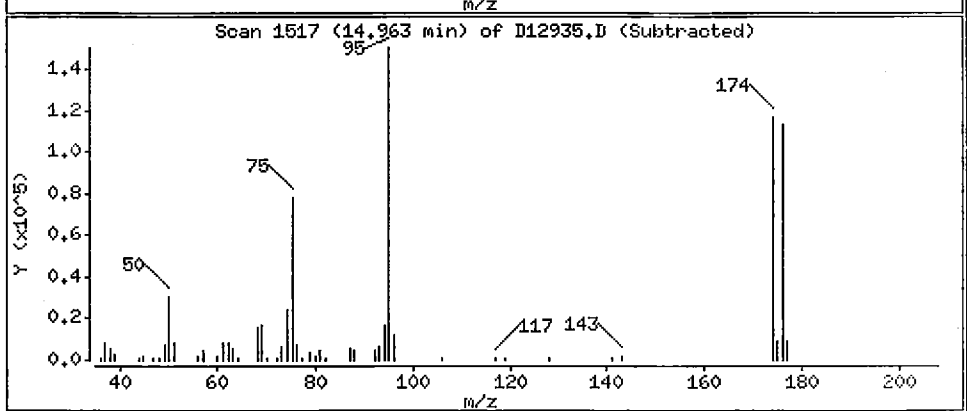
Column phase: J&W DB-624

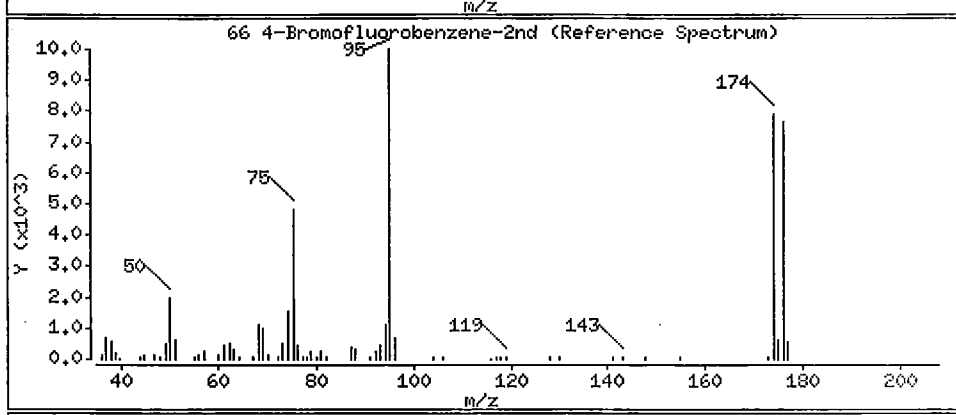
Column diameter: 0.53

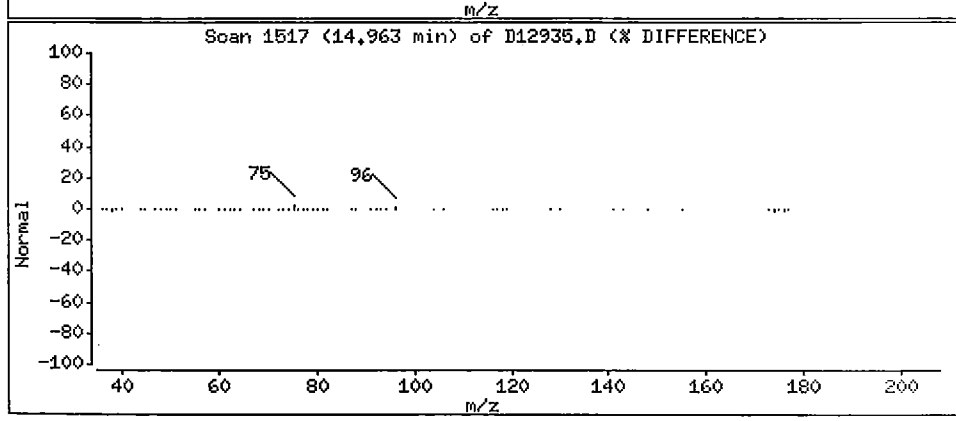
66 4-Bromofluorobenzene-2nd

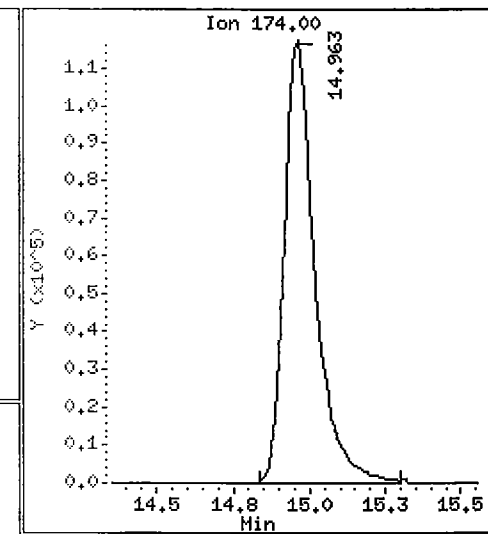
Concentration: 45.70 ug/Kg

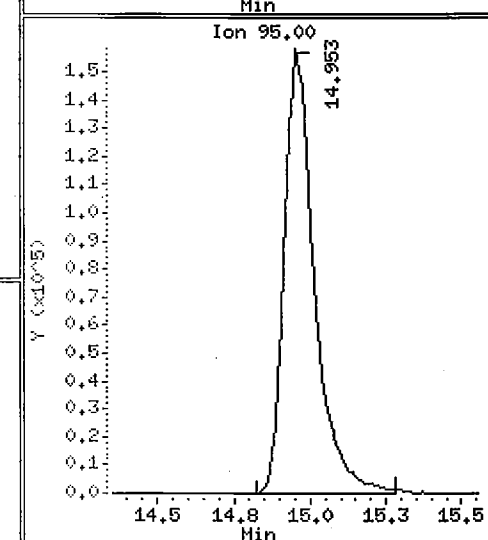


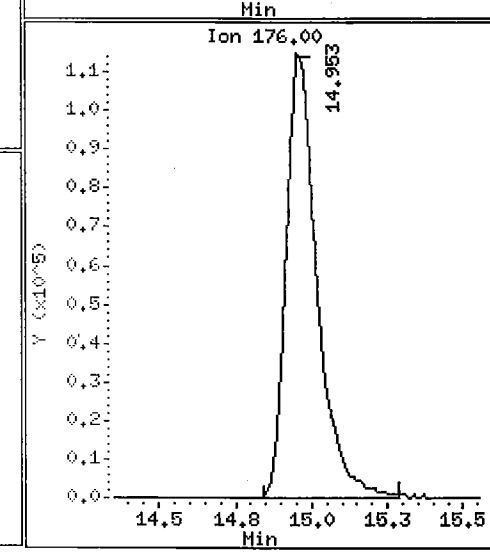












Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12935.D

Date : 12-OCT-2000 10:38

Client ID: D12935

Instrument: md.i

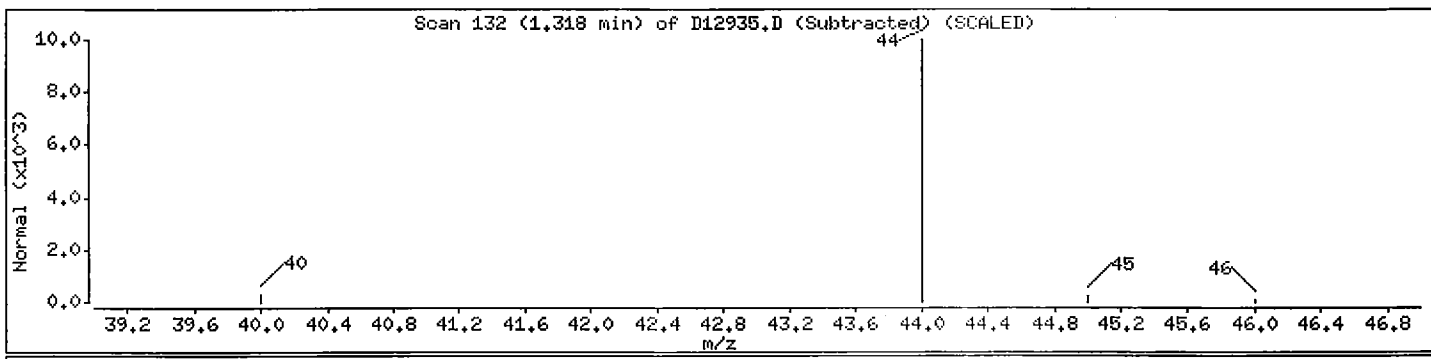
Sample Info: DLFKJ101,,2,,0,1,0,8260BDA.M,D12935

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

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



CO_2

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1012AD.B\D12936.D
Lab Smp Id: DLFKK101 Client Smp ID: D12936
Inj Date : 12-OCT-2000 11:09
Operator : GFB Inst ID: md.i
Smp Info : DLFKK101,,2,,0,1,0,8260BDA.M,D12936
Misc Info : 150-29,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m
Meth Date : 12-Oct-2000 09:55 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)	
$ 29 Dibromofluoromethane	111	5.977	5.987	(0.842)	899349	46.2178	46.22	
$ 33 1,2-Dichloroethane-d4	65	6.519	6.529	(0.918)	607323	46.2389	46.24	
34 1,2-Dichloroethane-d4 2nd	102	6.519	6.519	(0.918)	119870	45.2365	45.24	
* 38 Fluorobenzene	96	7.100	7.090	(1.000)	1368046	50.0000		
$ 47 Toluene-d8	98	9.928	9.928	(0.787)	1298687	44.5096	44.51	
* 56 Chlorobenzene-d5	117	12.617	12.607	(1.000)	1260392	50.0000		
66 4-Bromofluorobenzene-2nd	174	14.962	14.952	(0.866)	802253	45.3473	45.35	
$ 67 4-Bromofluorobenzene	95	14.962	14.952	(0.866)	1046039	44.3007	44.30	
* 79 1,4-Dichlorobenzene-d4	152	17.268	17.267	(1.000)	888476	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\1012AD.B\D12936.D
Lab Smp Id: DLFKK101 Client Smp ID: D12936
Inj Date : 12-OCT-2000 11:09
Operator : GFB Inst ID: md.i
Smp Info : DLFKK101,,2,,0,1,0,8260BDA.M,D12936
Misc Info : 150-29,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1012AD.B\8260BDA.m
Meth Date : 12-Oct-2000 09:55 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	7.100	3211952	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.327	554578	8.63303948	8.63	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLFKK101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D12936
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 VOA	1.327	8.63	J

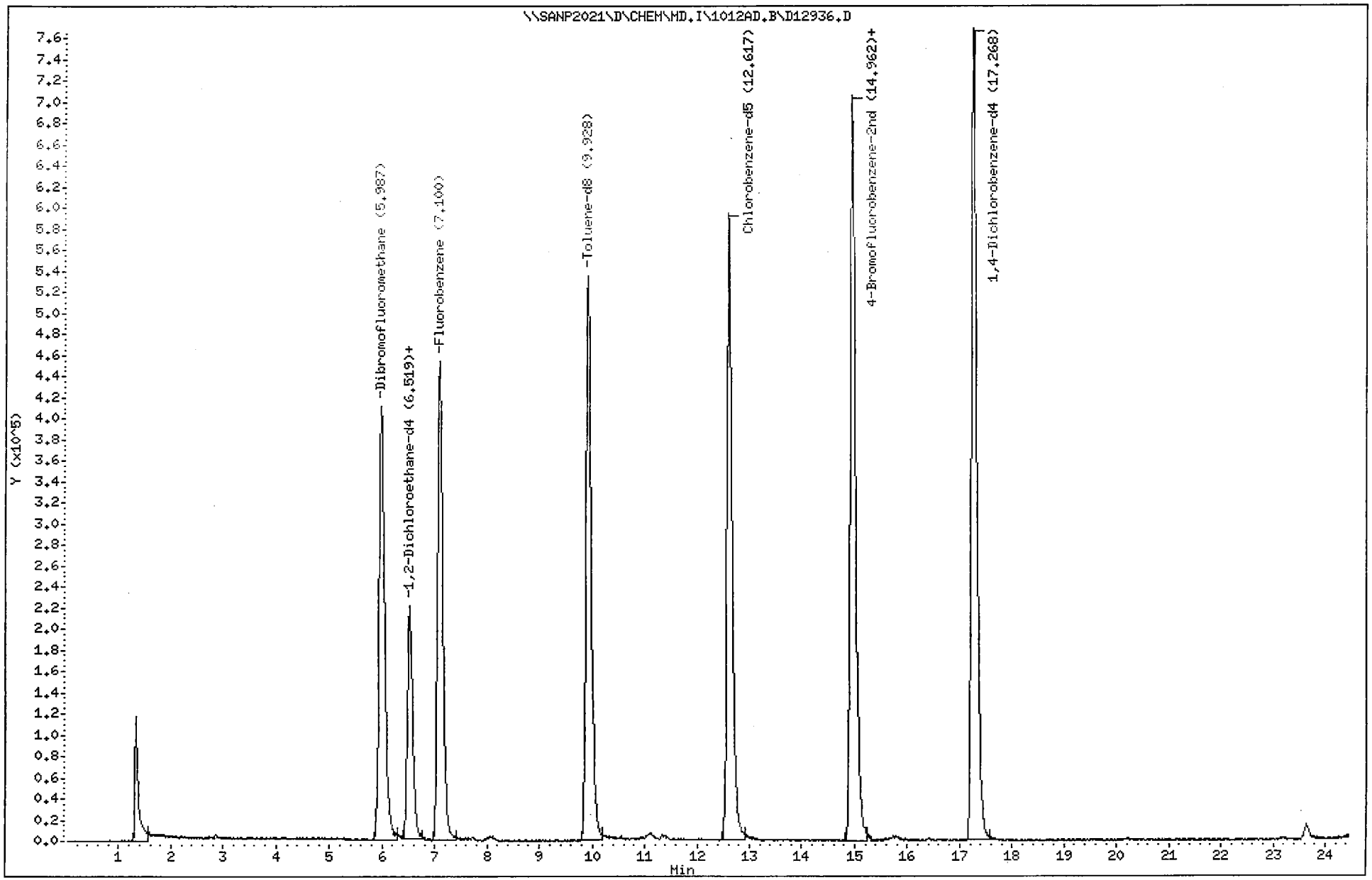
Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12936.D
Date : 12-OCT-2000 11:09
Client ID: D12936
Sample Info: DLFKK101,,2,,0,1,0,8260BDA.M,D12936

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



000702

BOE-C6-0147777

Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12936.D

Date : 12-OCT-2000 11:09

Client ID: D12936

Instrument: md.i

Sample Info: DLFKK101,,2,,0,1,0,8260BDA.M,D12936

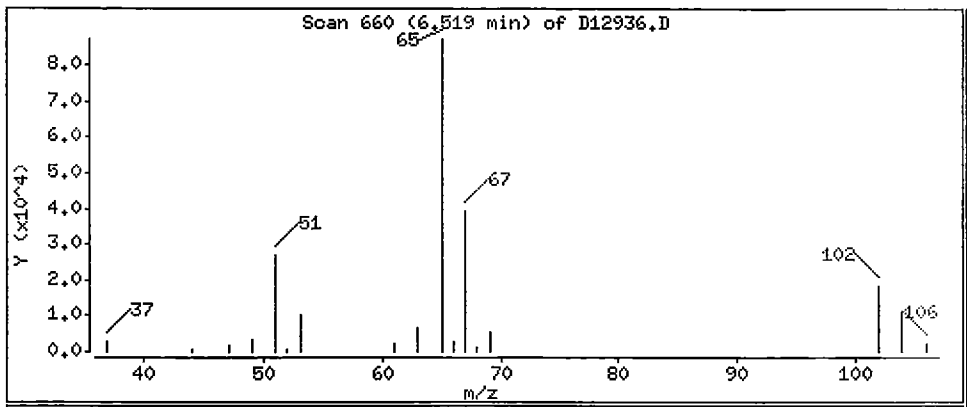
Operator: GFB

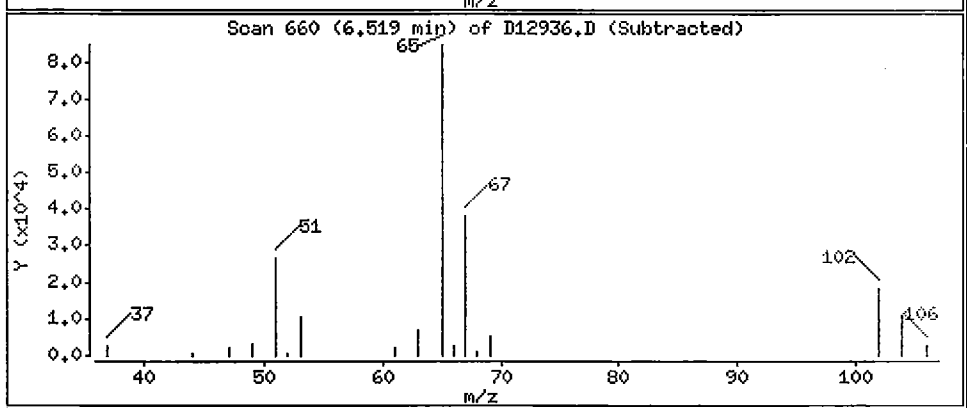
Column phase: J&W DB-624

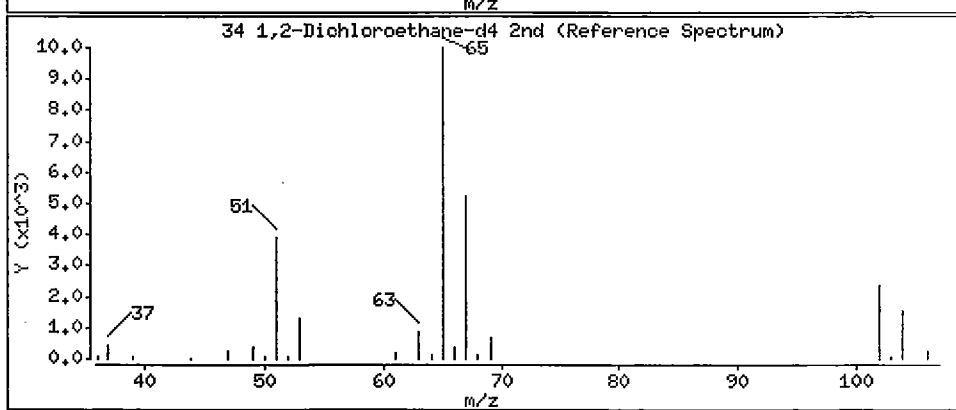
Column diameter: 0.53

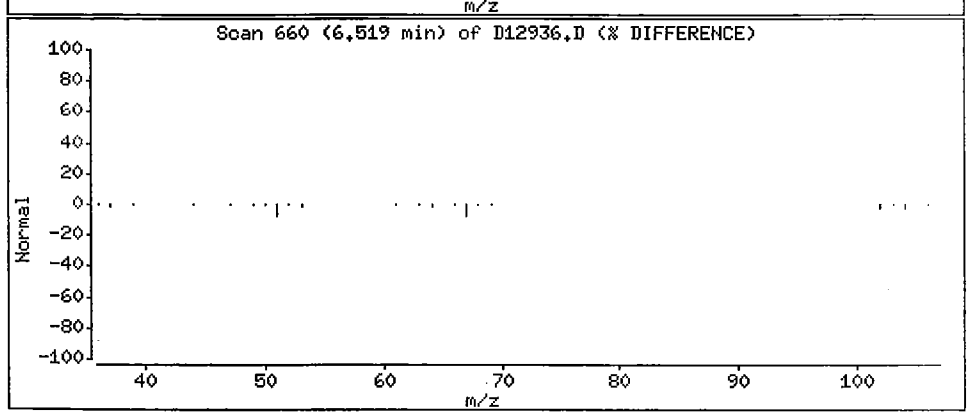
34 1,2-Dichloroethane-d4 2nd

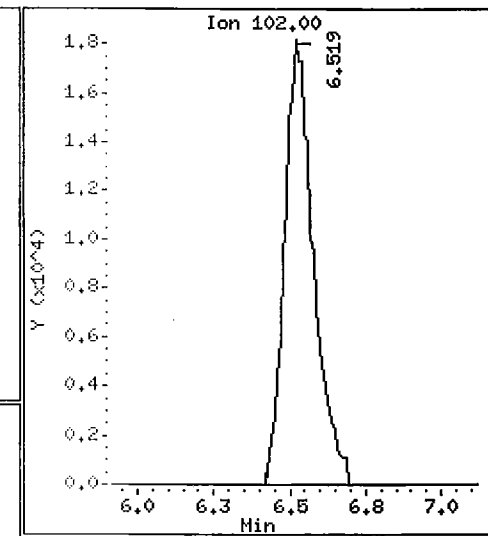
Concentration: 45.24 ug/Kg

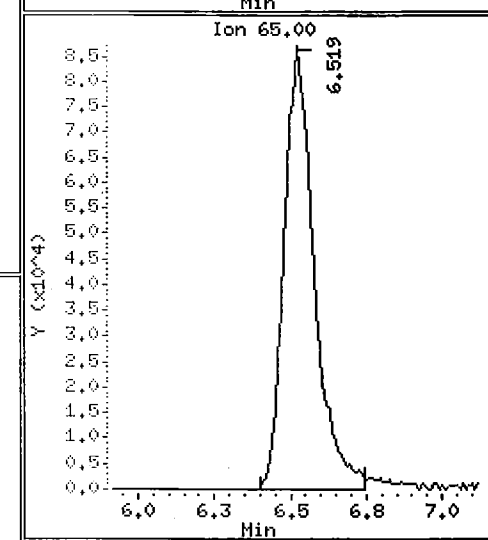












Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12936.D

Date : 12-OCT-2000 11:09

Client ID: D12936

Instrument: md.i

Sample Info: DLFKK101,,2,,0,1,0,8260BDA.M,D12936

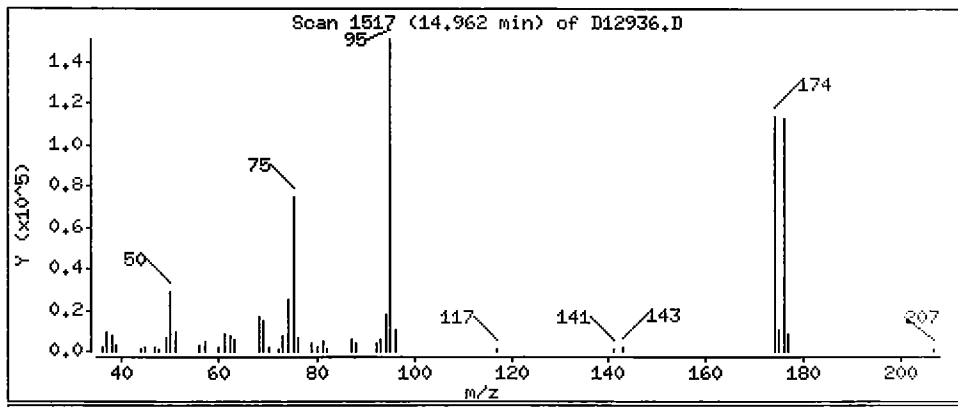
Operator: GFB

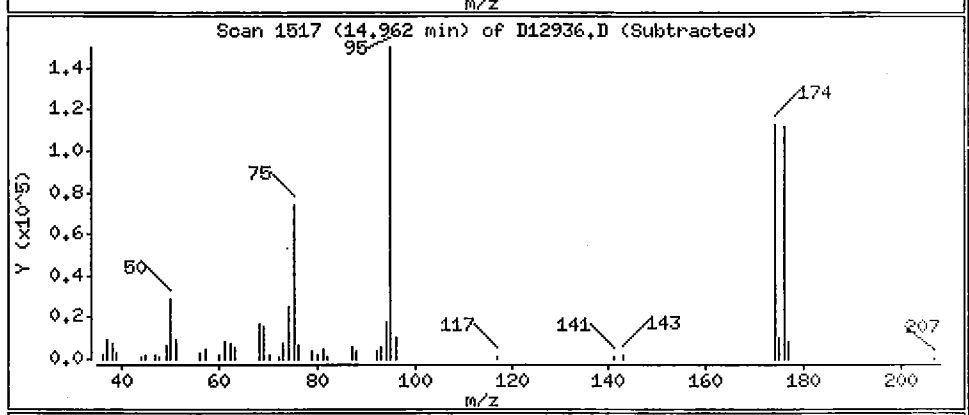
Column phase: J&W DB-624

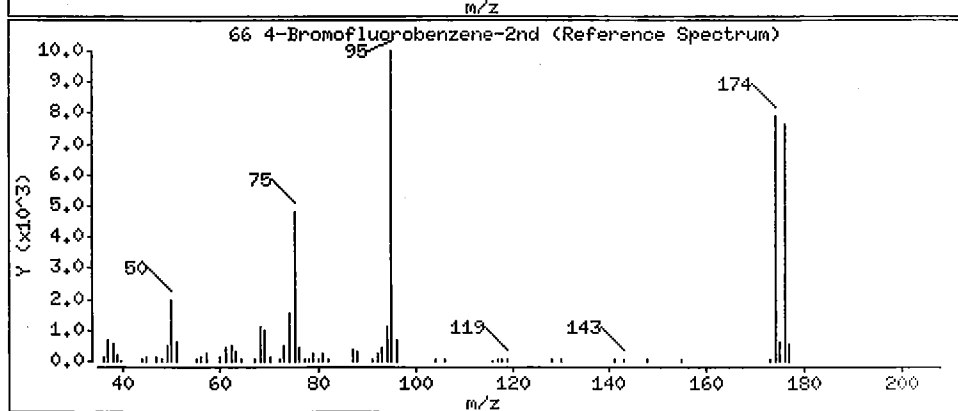
Column diameter: 0.53

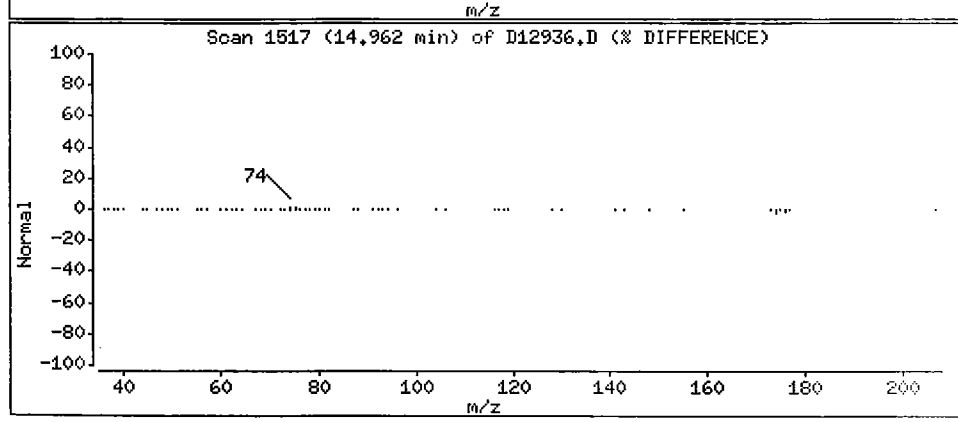
66 4-Bromofluorobenzene-2nd

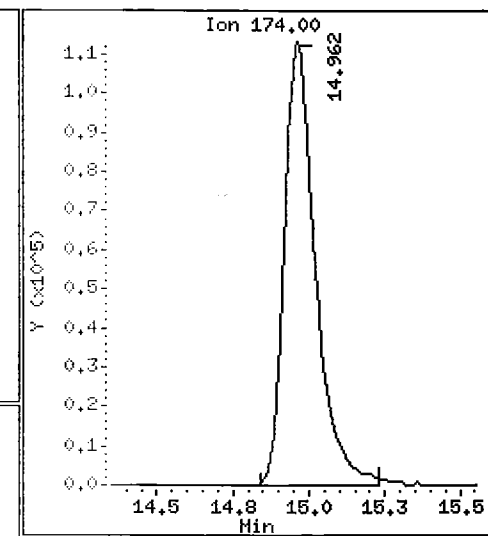
Concentration: 45.35 ug/Kg

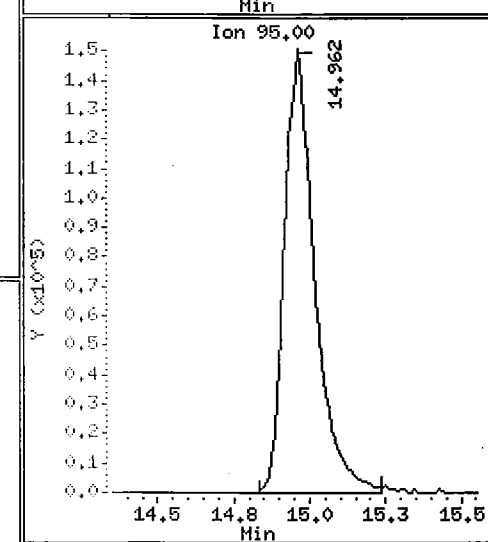


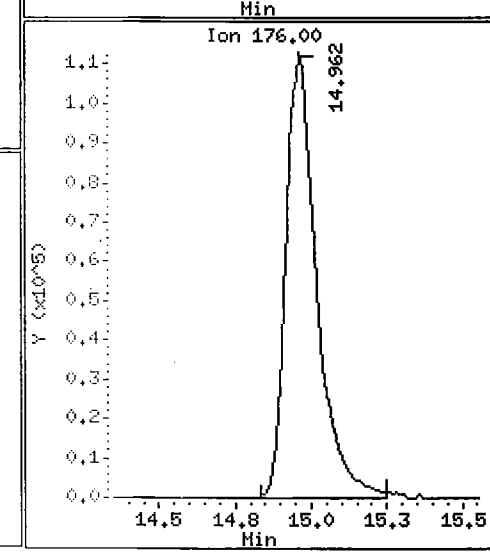












Data File: \\SANP2021\D\CHEM\MD.I\1012AD.B\D12936.D

Date : 12-OCT-2000 11:09

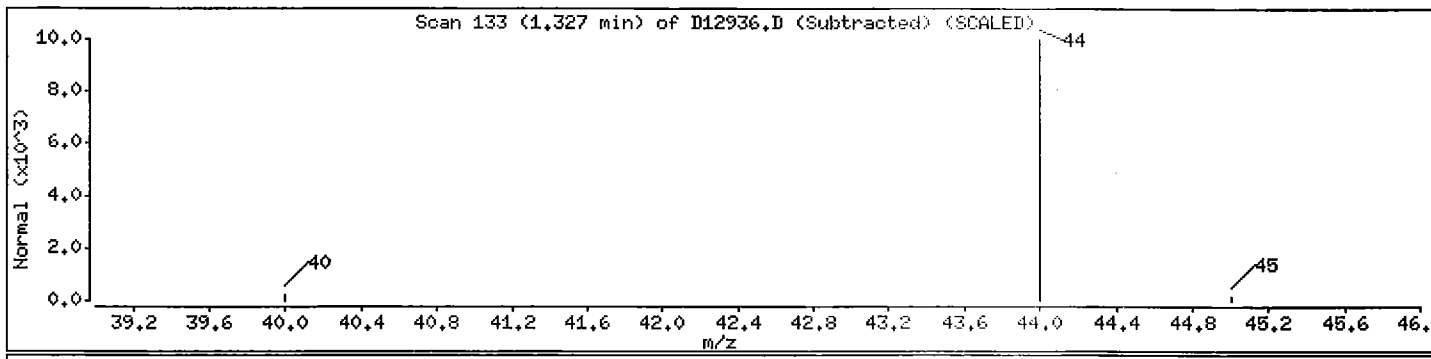
Client ID: D12936 Instrument: md.i

Sample Info: DLFKK101,,2,,0,1,0,8260BDA.M,D12936

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

TVPH

LEVEL III

C6 TO C8

BOE-C6-0147781

TVPH

SAMPLE AND QC DATA

$C_6 \rightarrow C_8$

Date(s) Analyzed: 10-3,4-00

Instrument ID: GC15 GC16 GC13

Batch #: 0280368

Samples: BOJ030150-B,C,1,1S,1D,3,4,5,7,
9,10,17,19,20,22,23,26,27,28

Turbochrom Sequence File : C:\TC4\GC15\002.SEQ
Created by : JKA on : 10/2/00 02:51 PM
Edited by : JKA on : 10/3/00 05:48 PM
Description : TVPH BY PURGE AND TRAP BY METHOD 8015B

TVPH STD: #122-2
TVPH QC SPIKE: #121-1
SURROGATE (TFT): #124-1

Number of Times Edited : 11

FJK 10/10/00

Sequence File Header Information:

Number of Rows : 96
Instrument Type : 760 / 900 Series Intelligent Interface
Injection Type : SINGLE

Sequence Sample Descriptions - Channel A

Row	Type	Sample Name	Sample Number	Study Name	Sample Amount	ISTD Amount	Sample Volume	Dil. Factor	Mult	Divisor	Addend	Norm. factor
1	Sample	10/0200	BLK	10/02/00	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
2	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
3	Sample	LCSGAS-S	LCS-GAS	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
4	Sample	BLK-S	BLK-S	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
5	Sample	TEST	307-1	LOW SOIL	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
6	Sample	TEST	307-2	LOW SOIL	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
7	Sample	I290370-1	370-1	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
8	Sample	I290370-2	370-2	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	I290370-3	370-3	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	I290370-4	370-4	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
11	Sample	I290370-6	370-6	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
12	Sample	I290370-7	370-7	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
13	Sample	I290370-8	370-8	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
14	Sample	I290370-9	370-9	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
15	Sample	I290370-10	370-10	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
16	Sample	I290370-11	370-11	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
17	Sample	I290370-12	370-12	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
18	Sample	I290370-13	370-13	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
19	Sample	I290370-14	370-14	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
20	Sample	I290370-15	370-15	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
21	Sample	BLK	BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
22	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
23	Sample	I290370-16	370-16	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
24	Sample	I290370-17	370-17	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
25	Sample	I290370-18	370-18	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
26	Sample	I290370-20	370-20	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
27	Sample	I290370-21	370-21	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
28	Sample	I290370-22	370-22	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
29	Sample	370-22MS	370-22MS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
30	Sample	370-22MSD	370-22MSD	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
31	Sample	LCSGAS-S	LCS-GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
32	Sample	BLK-S	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
33	Sample	BLK-S	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
34	Sample	I290370-23	370-23	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
35	Sample	I290370-24	370-24	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
36	Sample	I290370-25	370-25	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
37	Sample	I290341-1	341-1	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
38	Sample	I290341-2	341-2	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
39	Sample	I290341-3	341-3	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
40	Sample	I290343-1	*343-1	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
41	Sample	I290346-1	346-1	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
42	Sample	I290346-2	346-2	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
43	Sample	I290346-3	346-3	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
4	Sample	BLK	BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
45	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
46	Sample	343-1MS	343-1MS	C6-C12	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
47	Sample	343-1MSD	343-1MSD	C6-C12	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
48	Sample	370-23MS	370-23MS	C6-C8	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
49	Sample	370-23MSD	370-23MSD	C6-C8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
50	Sample	gasccv	gasccv		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
51	Sample	i290341-2	341-2	c6-c12	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
52	Sample	i290346-2	346-2	c6-c12	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
53	Sample	BLK-S	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
			LCS-GAS	low soil								

800708

BOE-C6-0147783

55	Sample	j030150-1	150-1	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
56	Sample	j030150-3	150-3	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
57	Sample	j030150-4	150-4	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
58	Sample	j030150-5	150-5	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
59	Sample	j030150-7	150-7	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
60	Sample	j030150-9	150-9	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	j030150-10	150-10	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample	j030150-17	150-17	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
63	Sample	j030150-19	150-19	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
64	Sample	j030150-20	150-20	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
65	Sample	j030150-22	150-22	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
66	Sample	j030150-23	150-23	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
67	Sample	j030150-24	150-24	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
68	Sample	BLK	BLK		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
69	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
70	Sample	j030150-26	150-26	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
71	Sample	j030150-27	150-27	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
72	Sample	j030150-28	150-28	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
73	Sample	j030162-1	*162-1	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
74	Sample	j030162-2	162-2	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
75	Sample	j030162-3	162-3	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
76	Sample	150-13MS	150-1MS	C6-C8	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
77	Sample	150-1MSD	150-1MSD	C6-C8	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
78	Sample	BLK	BLK		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
79	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
80	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
81	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
82	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
83	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
84	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
85	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
86	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
87	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
88	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
89	Sample				1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
90	Sample	BLK	BLK		1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
91	Sample	GASCCV	GASCCV		1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.000
92	Sample	LCSGAS-S	LCS-GAS	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
93	Sample	BLK-S	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
94	Sample	BLK-S	BLK-S	low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
95	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000
	Sample			low soil	1.000	1.000	1.000	1.000	5.000	1.000	0.000	0.000

Software Version: 4.1<2F12>
Sample Name : gasccv
Sample Number: gasccv
rator :

Time : 10/3/00 05:00 PM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

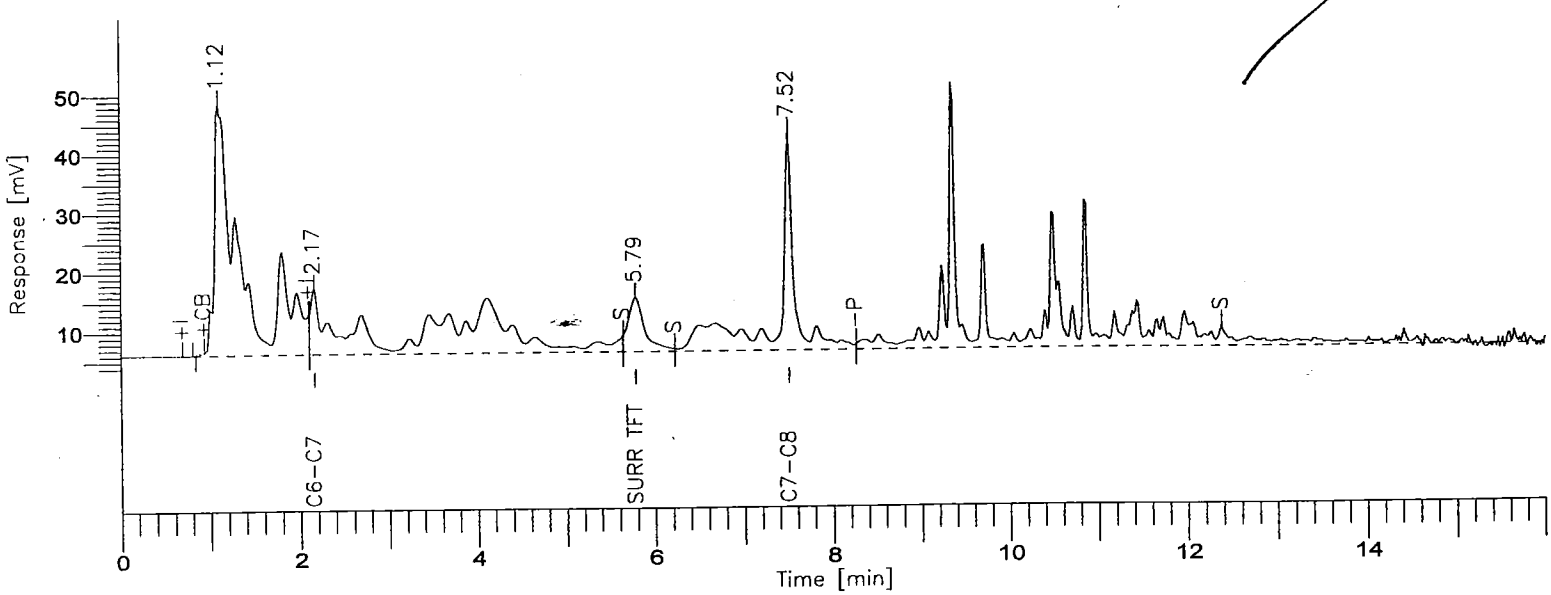
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 03:26 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A050.RAW
Result File : C:\TC4\GC15\O02A050.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A050.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\925C6-C8.mth
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000710

BOE-C6-0147785

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.79	SURR TFT	117519	0.0419	0.0400	4.8
7.52	GASOLINE RANGE	1159383	1.0253	1.0000	2.5
		1276902			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.17	C6-C7	693261	0.9901	0.0000	-----
7.52	C7-C8	466122	1.0814	0.0000	-----
		1159383			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A050.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
Operator :

Time : 10/4/00 02:05 AM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

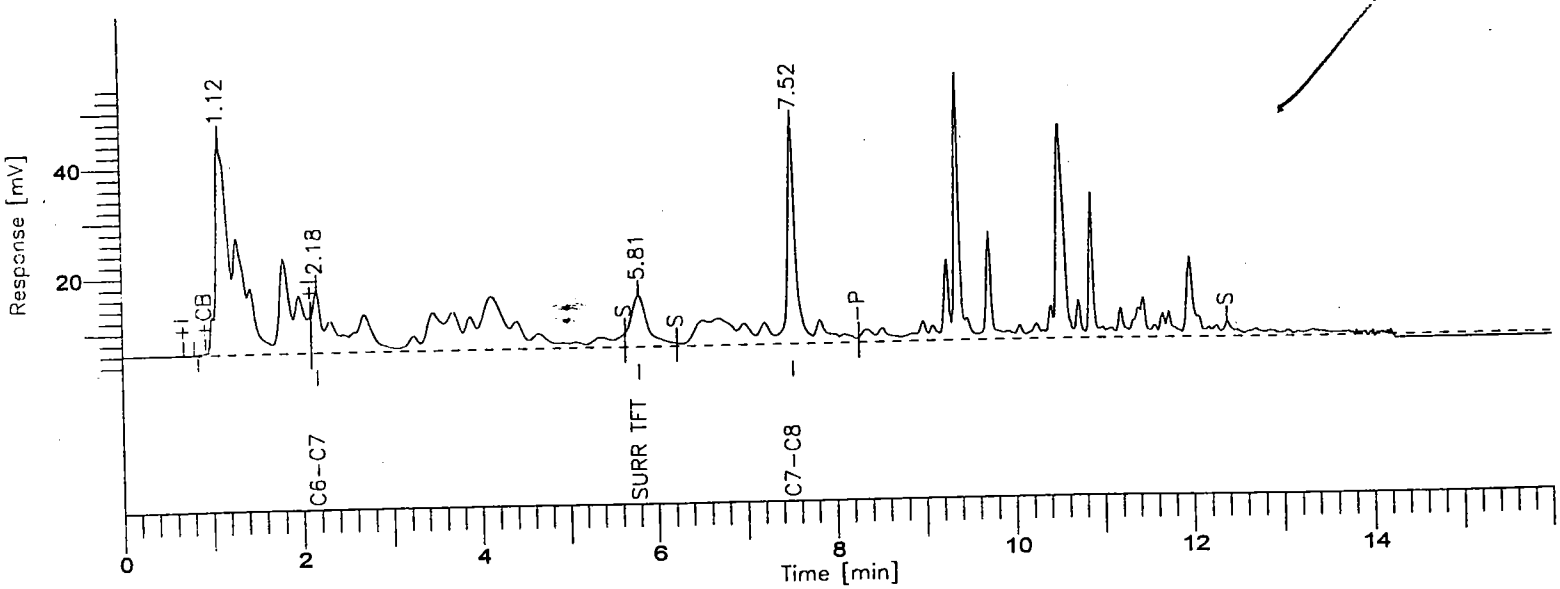
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/4/00 01:49 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\002A069.RAW
Result File : C:\TC4\GC15\002A069.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\002A069.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\002.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000712

BOE-C6-0147787

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.81	SURR TFT	122254	0.0433	0.0400	8.3
7.52	GASOLINE RANGE	1215001	1.0731	1.0000	7.3
		1337255			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.18	C6-C7	719406	1.0266	0.0000	-----
7.52	C7-C8	495595	1.1472	0.0000	-----
		1215001			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A069.TX0

Software Version: 4.1<2F12>
Sample Name : GASCCV
Sample Number: GASCCV
(rator :

Time : 10/4/00 06:51 AM
Study :

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

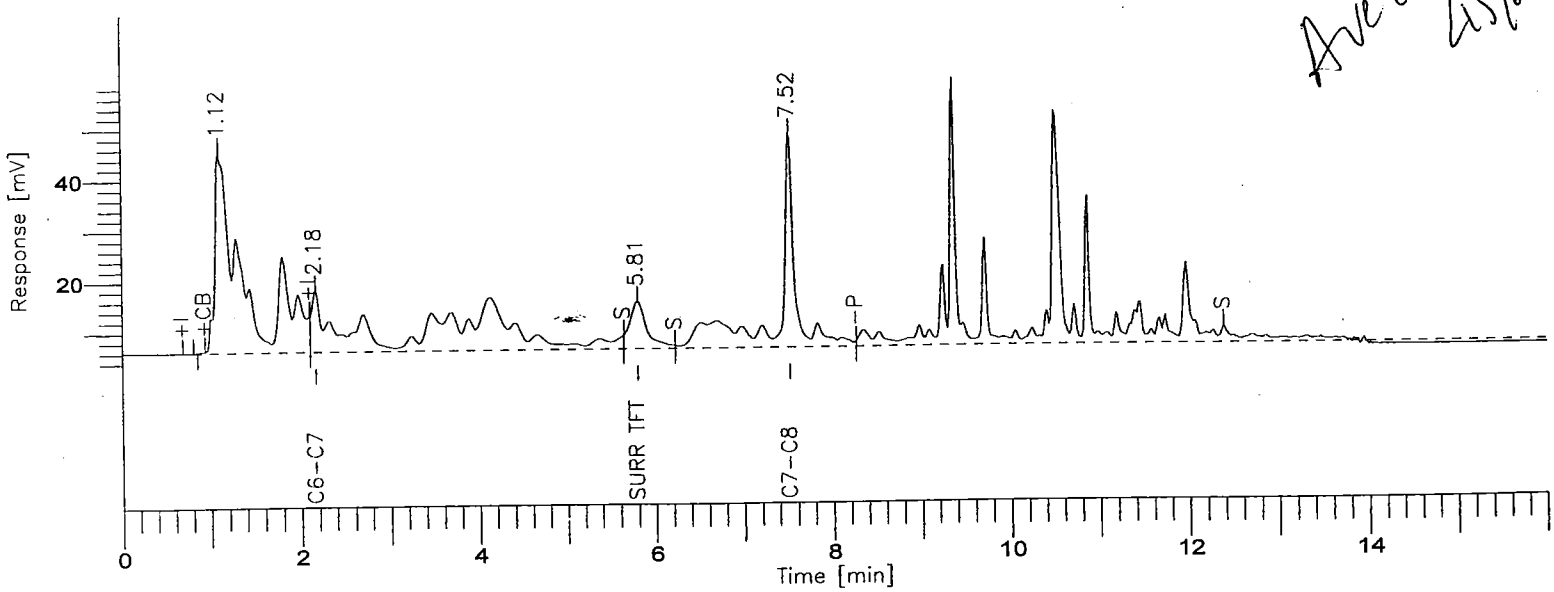
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/4/00 06:35 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\002A079.RAW
Result File : C:\TC4\GC15\002A079.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\002A079.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\002.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
5.80	SURR TFT	123741	0.0438	0.0400	9.4
7.52	GASOLINE RANGE	1310170	1.1549	1.0000	15.5
		1433911			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.18	C6-C7	776803	1.1069	0.0000	-----
7.52	C7-C8	533367	1.2315	0.0000	-----
		1310170			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A079.TXO

Lot/Sample: E0J060000-368B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DLP1W-1-01 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 18:04 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A053
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 15:53:52
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number:
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1601	1	0.1	J	J

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1745	87.25		

Notes:

J Estimated result. Result is less than RL.

Software Version: 4.1<2F12>
Sample Name : BLK-S
Sample Number: BLK-S
Operator :

Time : 10/3/00 06:20 PM
Study : low soil

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

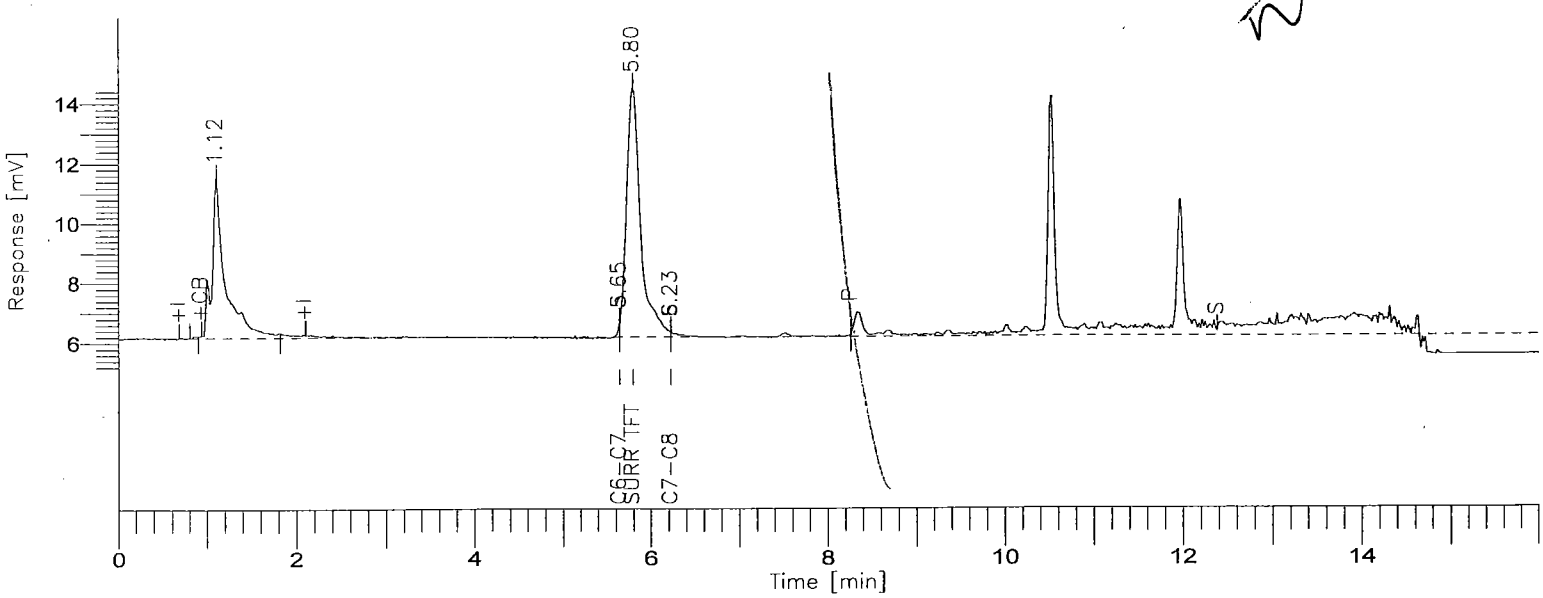
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 06:04 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A053.RAW
Result File : C:\TC4\GC15\O02A053.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A053.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000717

BOE-C6-0147792

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	GASOLINE RANGE	4000	0.1601	-----	1.00		0.0320
5.80	SURR TFT	93739	0.1745	87.3	0.00		0.0349
		97739					0.0669

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	2009	0.1180	-----	0.00		0.0236
6.23	C7-C8	1991	0.2273	-----	0.00		0.0455
		4000					0.0691

S T - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A053.TX0

Lot/Sample: E0J060000-368C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DLP1W-1-02 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 18:40 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A054
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 14:06:22
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number:
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
04863	Gasoline Range Organics			5.0	NA	0	0		NA
02909	TPH (as Gasoline)			5.0	5.7263	114.5	0		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2261	113.05		

Software Version: 4.1<2F12>
Sample Name : LCSGAS-S
Sample Number: LCS-GAS
Operator :

Time : 10/3/00 06:56 PM
Study : low soil

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

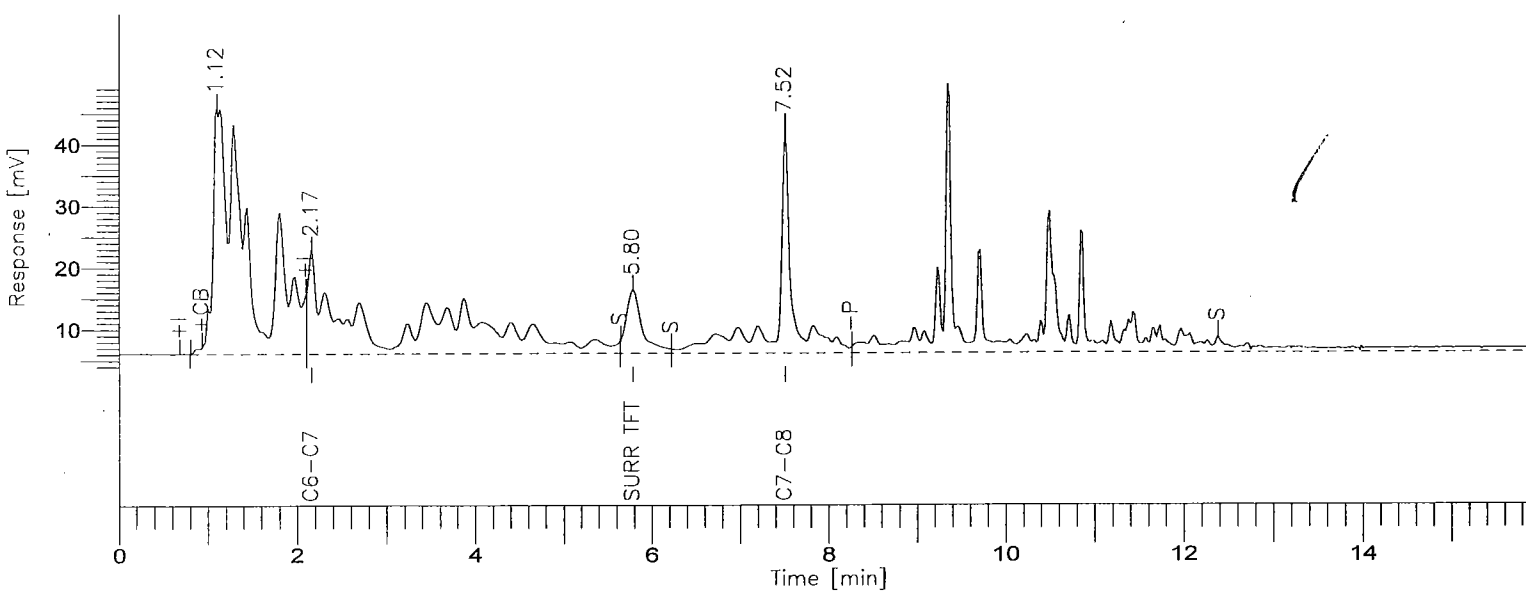
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 06:40 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A054.RAW
Result File : C:\TC4\GC15\O02A054.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A054.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000720

BOE-C6-0147795

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.79	SURR TFT	128684	0.2261	0.2000	113.1		0.0452
7.52	GASOLINE RANGE	1298969	5.7263	5.0000	114.5		1.1453
		1427653					1.1905

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.17	C6-C7	858972	6.1089	0.0000	-----		1.2218
7.52	C7-C8	439997	5.1156	0.0000	-----		1.0231
		1298969					2.2449

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A054.TX0

Lot/Sample: E0J030150-001 C-2-34-5 TICs.....: N Report Results: Y
WO#.....: DLFGE-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 19:09 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A055
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 15:59:40
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1746 B	1	0.1	J	J,B
04273	Gasoline Range Organics	*		NA	1	0.1		NA
04863	Gasoline Range Organics	*		NA	1	0.1		NA
02909	TPH (as Gasoline)	*		NA	1	0.1		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1677	83.85		

Notes:

J Estimated result. Result is less than RL.

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

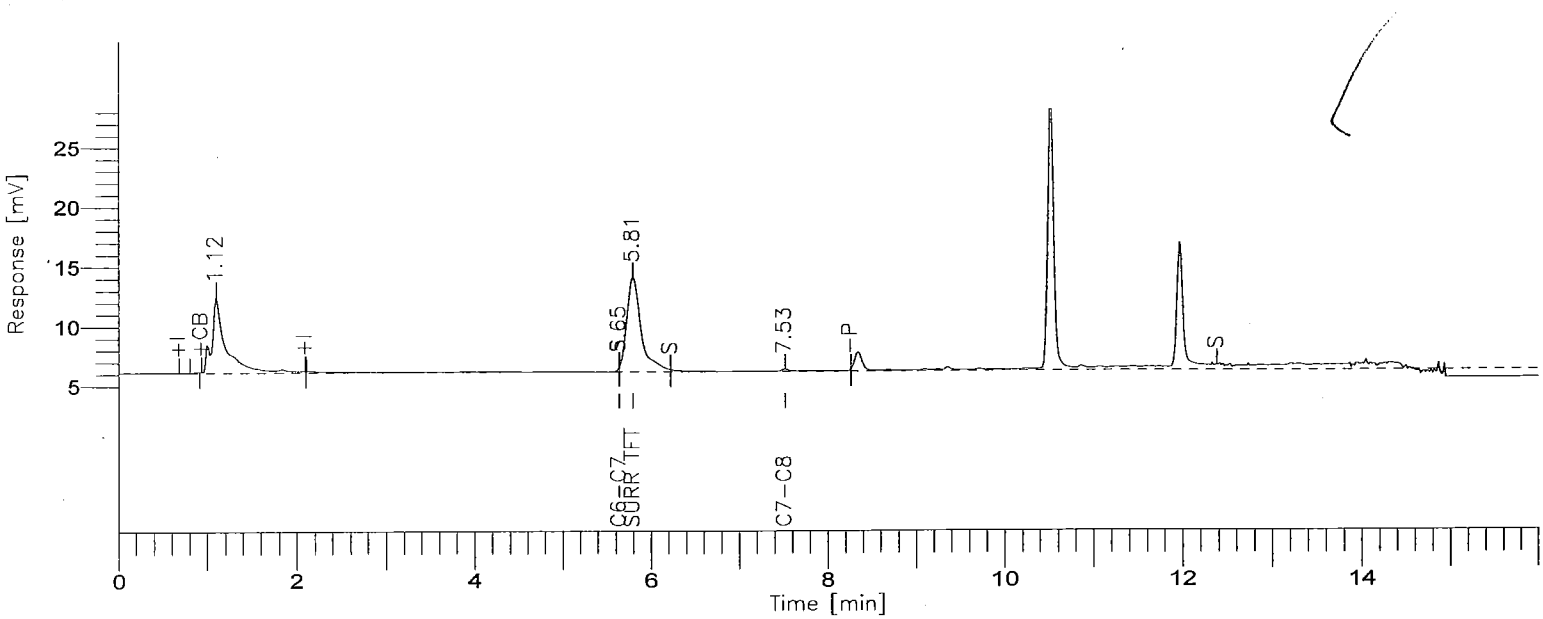
Software Version: 4.1<2F12>
Sample Name : j030150-1 Time : 10/3/00 07:25 PM
Sample Number: 150-1 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 07:09 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A055.RAW
Result File : C:\TC4\GC15\O02A055.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A055.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	GASOLINE RANGE	7365	0.1746	-----	1.00		0.0349
5.81	SURR TFT	89100	0.1677	83.8	0.00		0.0335
		96465					0.0684

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	4711	0.1369	-----	0.00		0.0274
7.53	C7-C8	2654	0.2347	-----	0.00		0.0469
		7365					0.0743

- LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A055.TX0

Lot/Sample: E0J030150-001S C-2-34-5 TICs.....: N Report Results: Y
WO#.....: DLFGE-1-20 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/04/00
Inject Time..: 5:09 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A076
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/03 15:25:24
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	5.5002	110	10.41		
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2263	113.15		

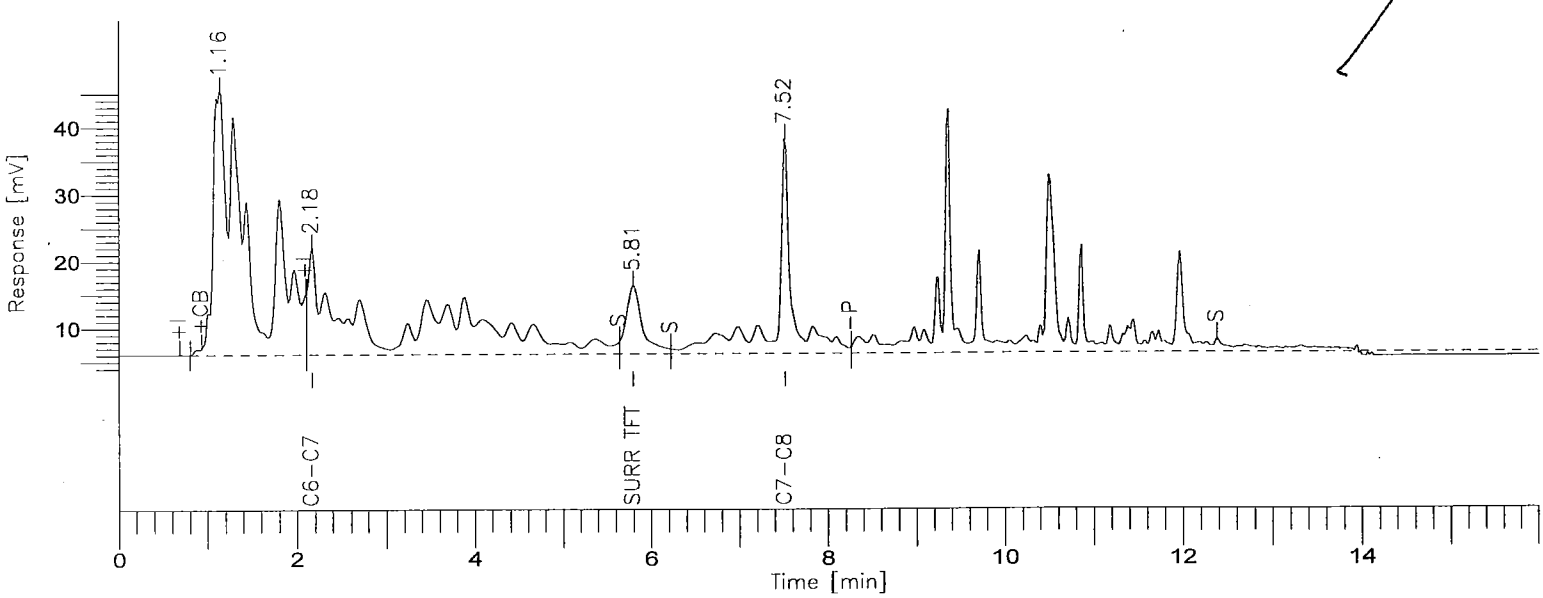
Software Version: 4.1<2F12>
Sample Name : 150-1MS Time : 10/4/00 05:25 AM
Sample Number: 150-1MS Study : C6-C8
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/4/00 05:09 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A076.RAW
Result File : C:\TC4\GC15\O02A076.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A076.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000726

BOE-C6-0147801

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.81	SURR TFT	128796	0.2263	0.2000	113.1		0.0453
7.52	GASOLINE RANGE	1246347	5.5002	5.0000	110.0		1.1000
		1375143					1.1453

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.18	C6-C7	835821	5.9471	0.0000	-----		1.1894
7.52	C7-C8	410526	4.7867	0.0000	-----		0.9573
		1246347					2.1468

- LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A076.TX0

Lot/Sample: E0J030150-001D C-2-34-5 TICs.....: N Report Results: Y
WO#.....: DLFGE-1-21 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/04/00
Inject Time..: 5:38 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A077
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/03 15:25:36
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....: GASOLINE
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04273	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	6.1042	122.0	10.41		
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2369	118.45		

Software Version: 4.1<2F12>
Sample Name : 150-1MSD
Sample Number: 150-1MSD
Operator :

Time : 10/4/00 05:54 AM
Study : C6-C8

Instrument : GC15
AutoSampler :
Rack/Vial : 0/0

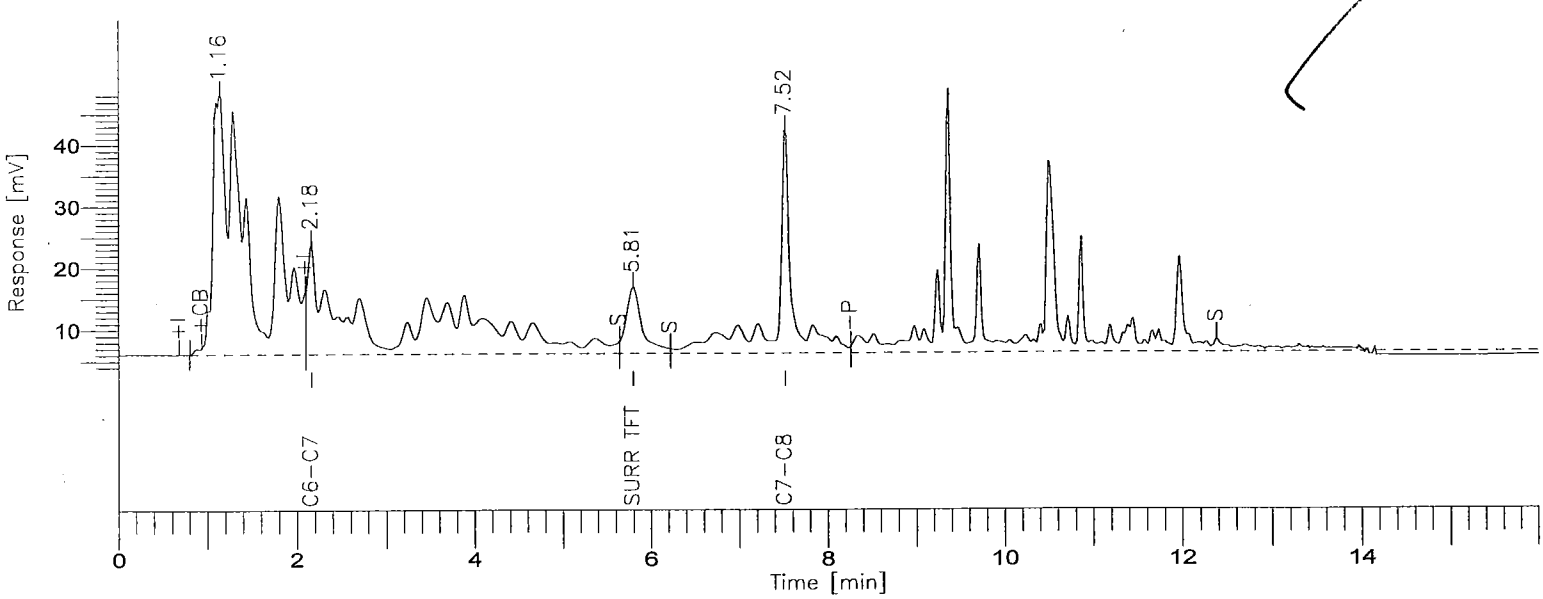
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/4/00 05:38 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A077.RAW
Result File : C:\TC4\GC15\O02A077.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A077.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000729

BOE-C6-0147804

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
5.81	SURR TFT	135952	0.2369	0.2000	118.4		0.0474
7.52	GASOLINE RANGE	1386888	6.1042	5.0000	122.1		1.2208
		1522840					1.2682

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.18	C6-C7	926918	6.5839	0.0000	-----		1.3168
7.52	C7-C8	459970	5.3385	0.0000	-----		1.0677
		1386888					2.3845

Report stored in ASCII file: C:\TC4\GC15\O02A077.TX0

PDE120 Severn Trent Laboratories, Inc. Date 10/06/2000
Page: 1 Data Review Time 14:59:52

Lot/Sample: E0J030150-003 C-2-35-1.5 TICs.....: N Report Results: Y
WO#.....: DLFGQ-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 19:38 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A056
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 15:59:52
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1728 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1716	85.8		

Notes:

J Estimated result. Result is less than RL.

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

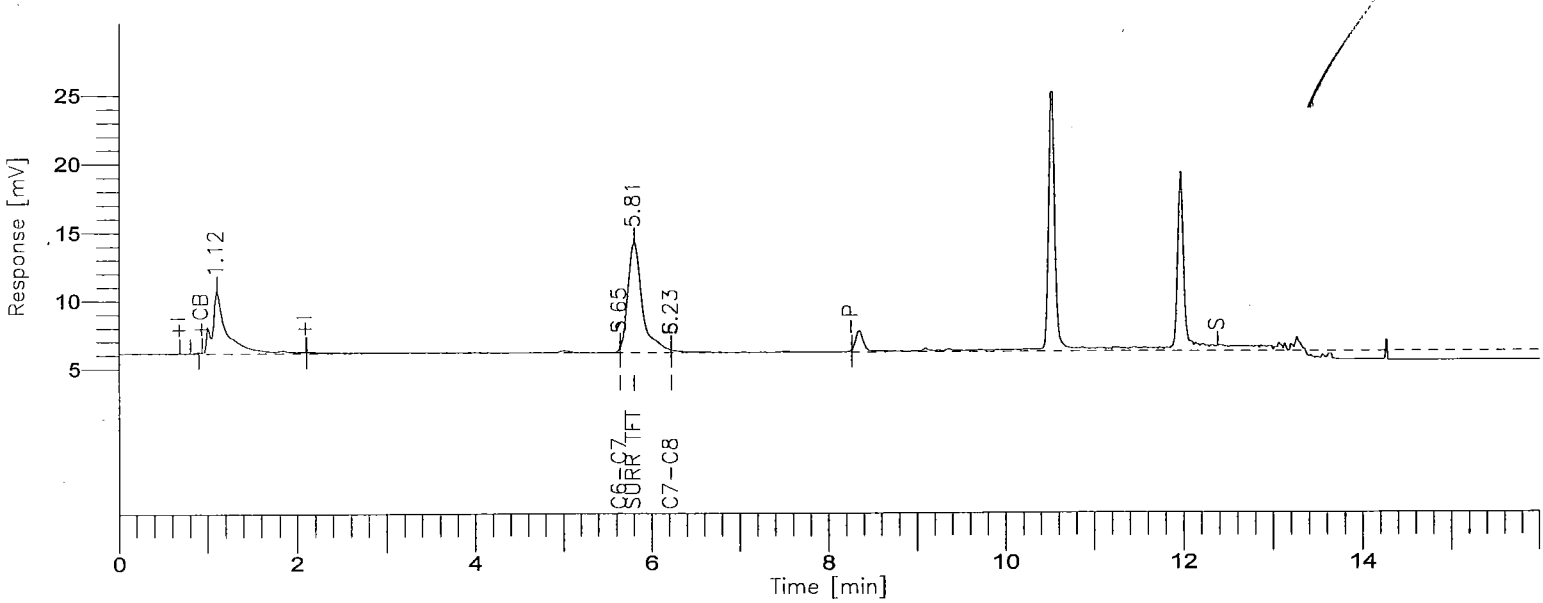
Software Version: 4.1<2F12>
Sample Name : j030150-3 Time : 10/3/00 07:54 PM
Sample Number: 150-3 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 07:38 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A056.RAW
Result File : C:\TC4\GC15\O02A056.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A056.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000732

BOE-C6-0147807

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	GASOLINE RANGE	6947	0.1728	-----	1.00		0.0346
5.81	SURR TFT	91767	0.1716	85.8	0.00		0.0343
		98714					0.0689

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	3926	0.1314	-----	0.00		0.0263
6.23	C7-C8	3021	0.2388	-----	0.00		0.0478
		6947					0.0740

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A056.TXO

Lot/Sample: E0J030150-004 C-2-35-5 TICs.....: N Report Results: Y
WO#.....: DLFGV-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 20:06 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A057
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:00:35
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
J5134	C6-C8			0.1592 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1711	85.55		

Notes:

J Estimated result. Result is less than RL.

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

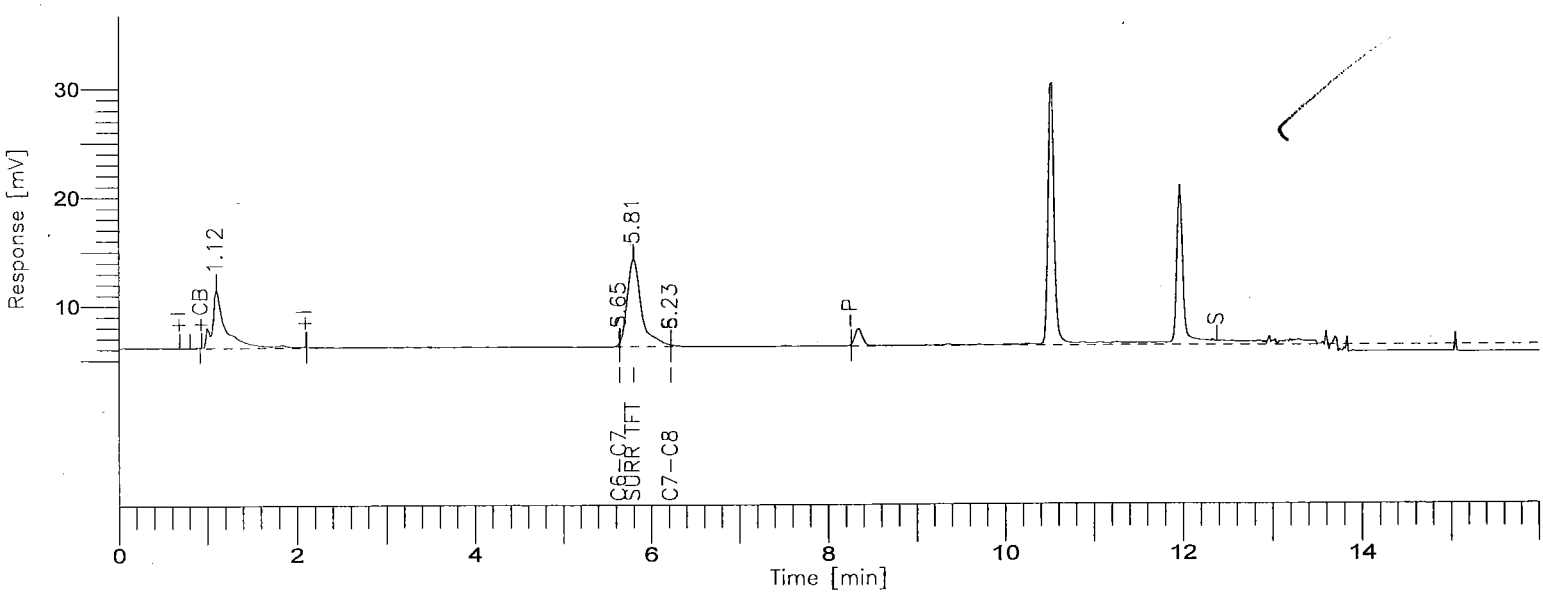
Software Version: 4.1<2F12>
Sample Name : j030150-4 Time : 10/3/00 08:22 PM
Sample Number: 150-4 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 08:06 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A057.RAW
Result File : C:\TC4\GC15\O02A057.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A057.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	GASOLINE RANGE	3794	0.1592	-----	1.00		0.0318
5.81	SURR TFT	91393	0.1711	85.5	0.00		0.0342
		95187					0.0661

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	2166	0.1191	-----	0.00		0.0238
6.23	C7-C8	1628	0.2233	-----	0.00		0.0447
		3794					0.0685

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A057.TXO

PDE120 Severn Trent Laboratories, Inc. Date 10/06/2000
Page: 1 Data Review Time 15:02:00

Lot/Sample: E0J030150-005 C-2-36-5 TICs.....: N Report Results: Y
WO#.....: DLFHQ-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 20:35 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A058
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:01:59
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1624 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1768	88.4		

Notes:

J Estimated result. Result is less than RL.

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

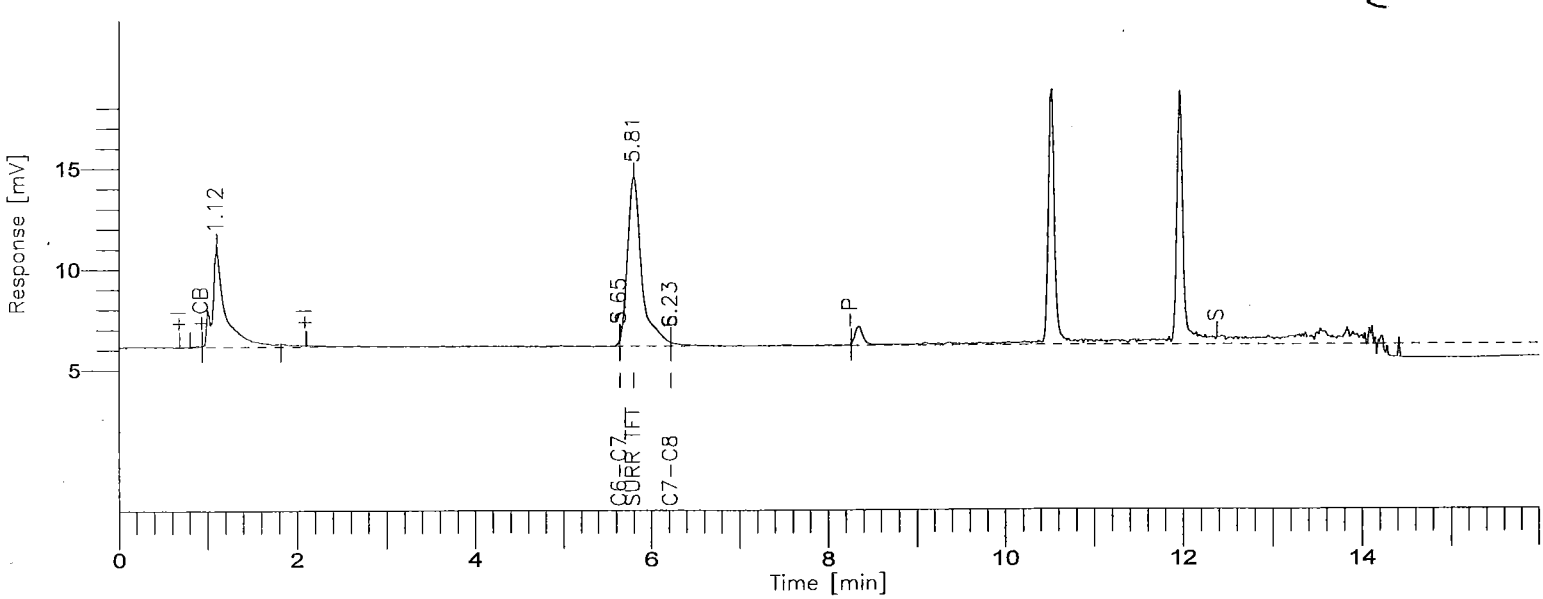
Software Version: 4.1<2F12>
Sample Name : j030150-5 Time : 10/3/00 08:51 PM
Sample Number: 150-5 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 08:35 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A058.RAW
Result File : C:\TC4\GC15\O02A058.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A058.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	GASOLINE RANGE	4538	0.1624	-----	1.00		0.0325
5.81	SURR TFT	95281	0.1768	88.4	0.00		0.0354
		99819					0.0678

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	2265	0.1198	-----	0.00		0.0240
6.23	C7-C8	2273	0.2305	-----	0.00		0.0461
		4538					0.0700

- LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A058.TX0

Lot/Sample: E0J030150-007 C-2-37-5 TICs.....: N Report Results: Y
WO#.....: DLFHX-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 21:03 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A059
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:02:10
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1872 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1759	87.95		

Notes:

J Estimated result. Result is less than RL.

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

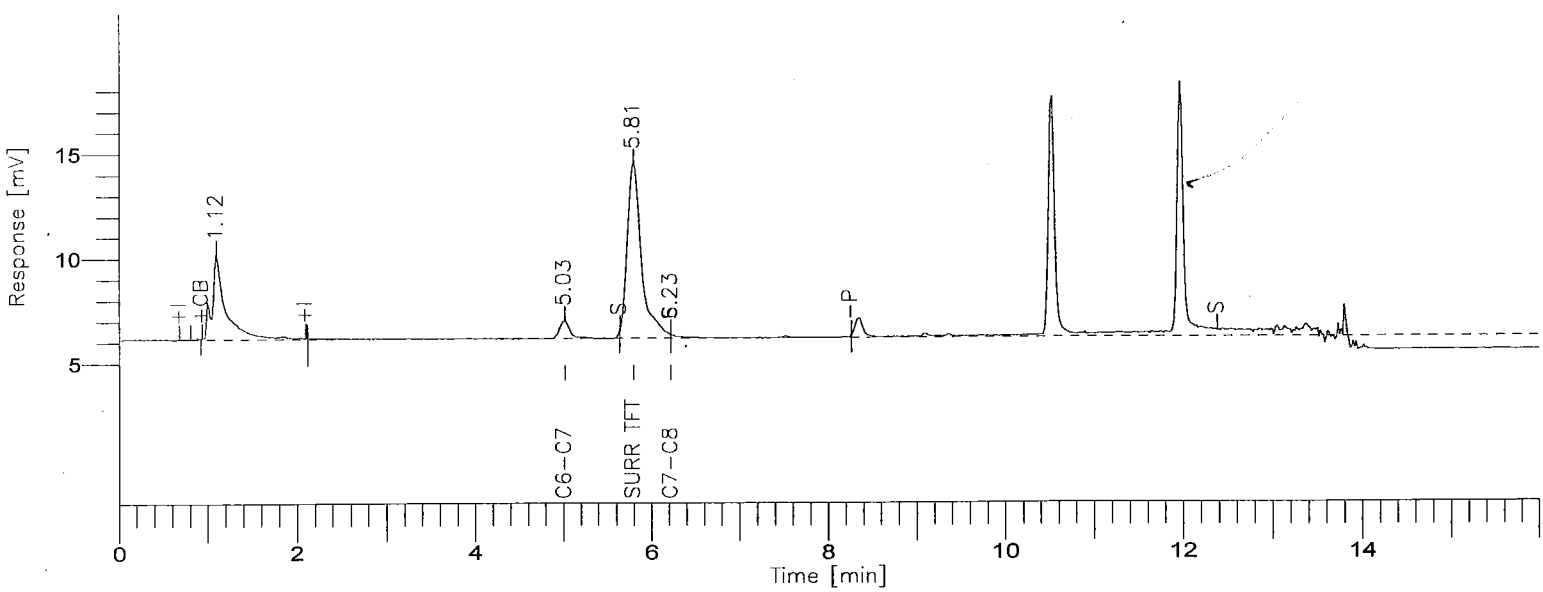
Software Version: 4.1<2F12>
Sample Name : j030150-7 Time : 10/3/00 09:41 PM
Sample Number: 150-7 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 09:03 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A059.RAW
Result File : C:\TC4\GC15\O02A059.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A059.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.03	GASOLINE RANGE	10316	0.1872	-----	1.00		0.0374
5.81	SURR TFT	94689	0.1759	88.0	0.00		0.0352
		105005					0.0726

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.03	C6-C7	8089	0.1605	-----	0.00		0.0321
6.23	C7-C8	2227	0.2300	-----	0.00		0.0460
		10316					0.0781

S T - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A059.TX0

Lot/Sample: E0J030150-009 C-2-38-1.5 TICs.....: N Report Results: Y
WO#.....: DLFJ4-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 21:32 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A060
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:02:24
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1472 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1756	87.8		

Notes:

J Estimated result. Result is less than RL.

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

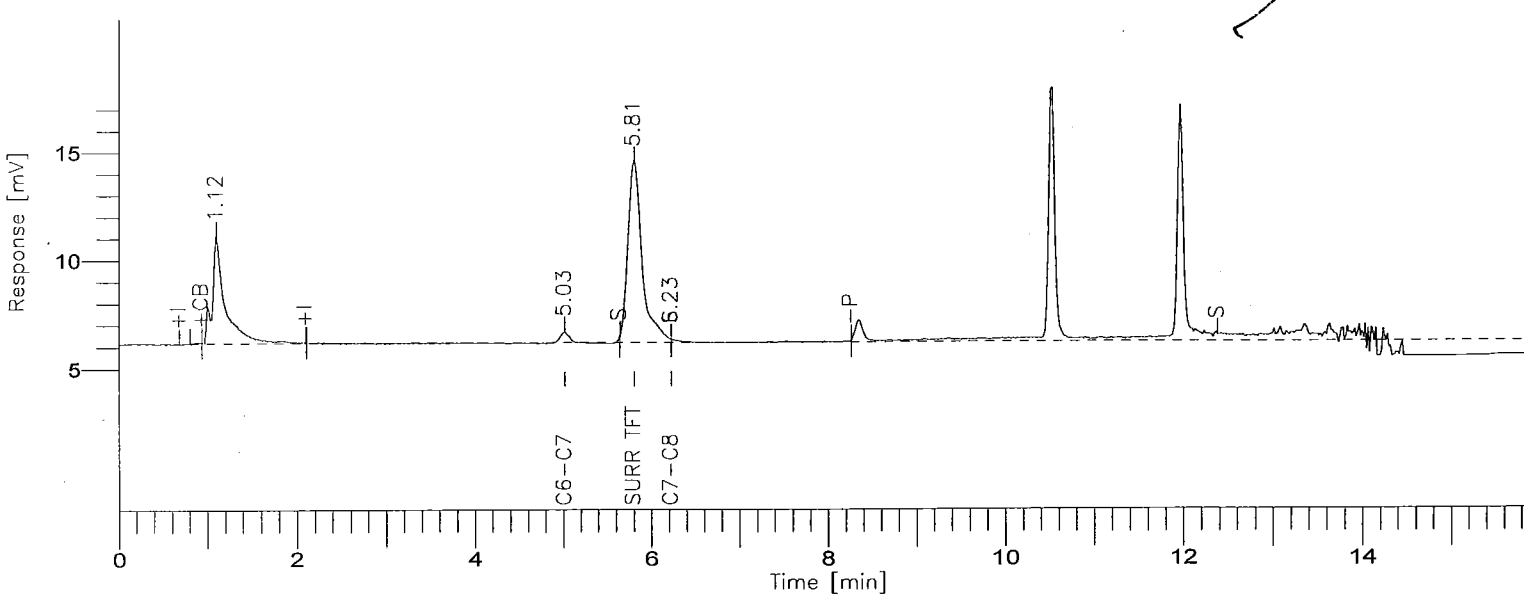
Software Version: 4.1<2F12>
Sample Name : j030150-9 Time : 10/3/00 09:48 PM
Sample Number: 150-9 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 09:32 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A060.RAW
Result File : C:\TC4\GC15\O02A060.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A060.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

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GC-15/FID COLUMN: DB624

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Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.03	GASOLINE RANGE	1002	0.1472	-----	1.00		0.0294
5.81	SURR TFT	94488	0.1756	87.8	0.00		0.0351
		95490					0.0646

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.03	C6-C7	639	0.1084	-----	0.00		0.0217
6.23	C7-C8	363	0.2092	-----	0.00		0.0418
		1002					0.0635

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A060.TX0

PDE120 Severn Trent Laboratories, Inc. Date 10/06/2000
Page: 1 Data Review Time 15:02:43

Lot/Sample: E0J030150-010 C-2-38-5 TICs.....: N Report Results: Y
WO#.....: DLFJ6-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 22:01 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A061
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:02:42
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1686 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1744	87.2		

Notes:

J Estimated result. Result is less than RL.

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

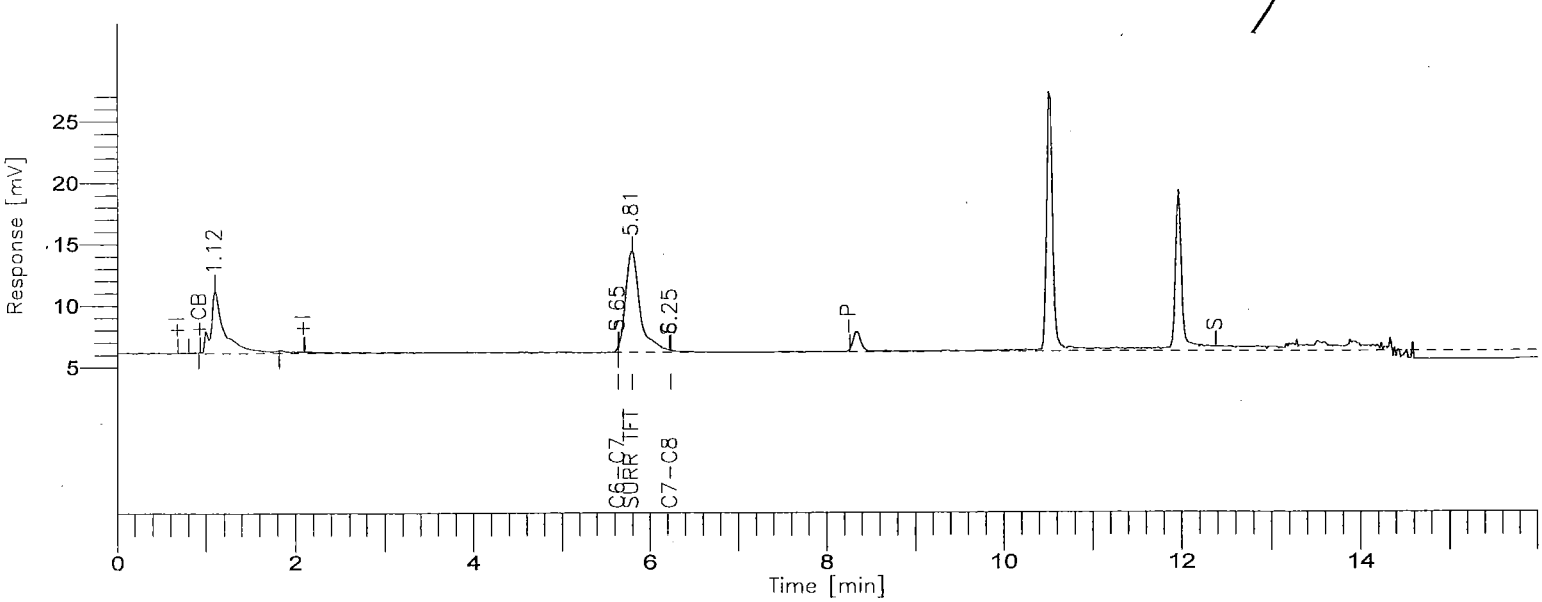
Software Version: 4.1<2F12>
Sample Name : j030150-10 Time : 10/3/00 10:17 PM
Sample Number: 150-10 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 10:01 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A061.RAW
Result File : C:\TC4\GC15\O02A061.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A061.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	GASOLINE RANGE	5970	0.1686	-----	1.00		0.0337
5.81	SURR TFT	93648	0.1744	87.2	0.00		0.0349
		99618					0.0686

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	3541	0.1287	-----	0.00		0.0257
6.24	C7-C8	2429	0.2322	-----	0.00		0.0464
		5970					0.0722

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A061.TX0

Lot/Sample: E0J030150-017 C-2-42-5 TICs.....: N Report Results: Y
WO#.....: DLFJQ-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 22:29 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A062
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:03:29
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.3190 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1658	82.9		

Notes:

J Estimated result. Result is less than RL.

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

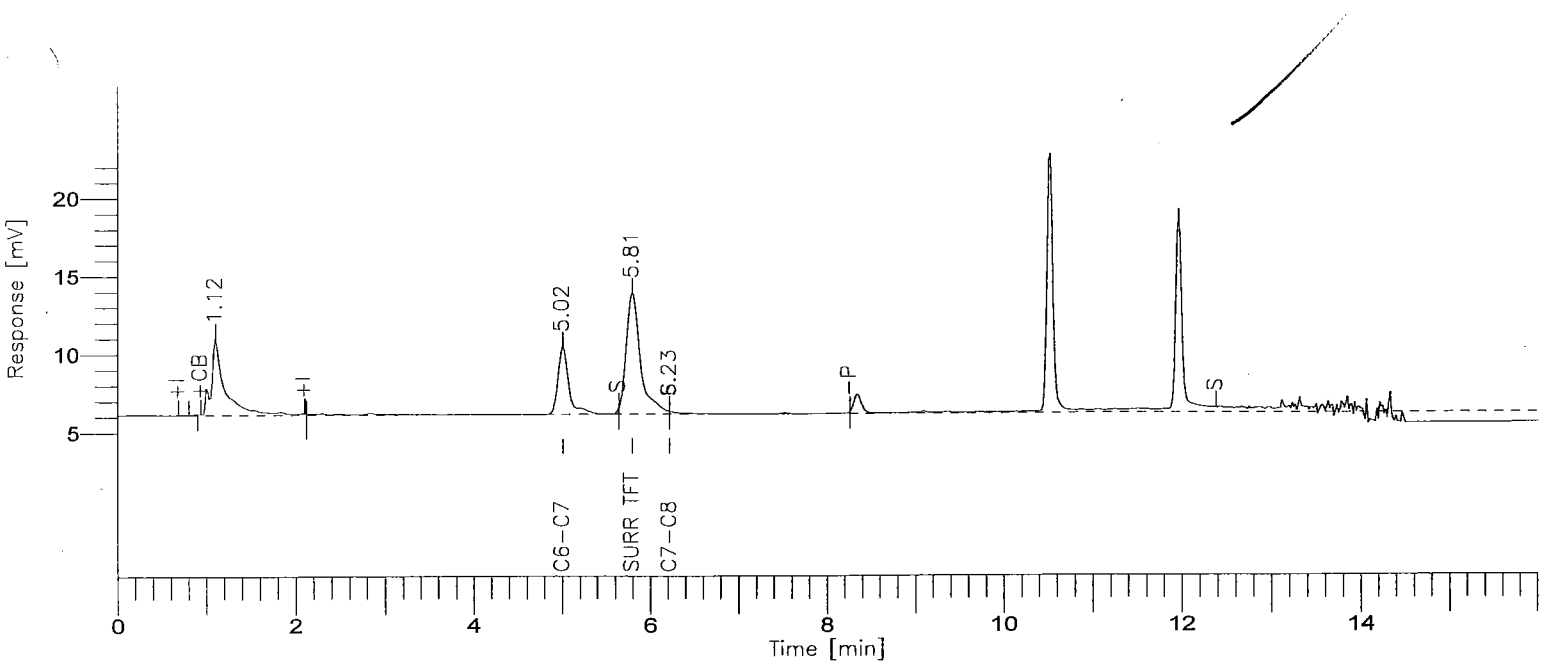
Software Version: 4.1<2F12>
Sample Name : j030150-17 Time : 10/3/00 10:45 PM
Sample Number: 150-17 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 10:29 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A062.RAW
Result File : C:\TC4\GC15\O02A062.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A062.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.02	GASOLINE RANGE	40971	0.3190	-----	1.00		0.0638
5.81	SURR TFT	87862	0.1658	82.9	0.00		0.0332
		128833					0.0970

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.02	C6-C7	39382	0.3792	-----	0.00		0.0758
6.23	C7-C8	1589	0.2228	-----	0.00		0.0446
		40971					0.1204

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A062.TX0

Lot/Sample: E0J030150-019 C-2-43-1.5 TICs.....: N Report Results: Y
WO#.....: DLFJV-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 22:58 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A063
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:03:47
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1531 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1837	91.85		

Notes:

J Estimated result. Result is less than RL.

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

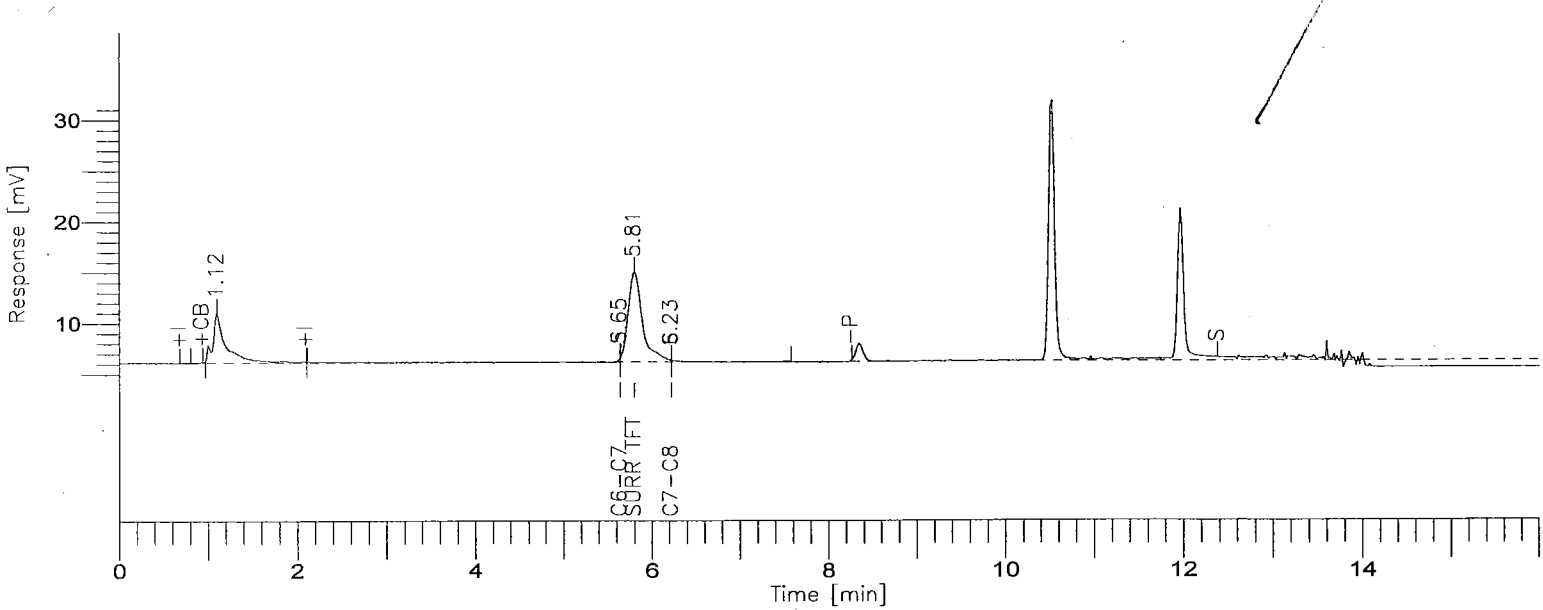
Software Version: 4.1<2F12>
Sample Name : j030150-19 Time : 10/3/00 11:14 PM
Sample Number: 150-19 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 10:58 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A063.RAW
Result File : C:\TC4\GC15\O02A063.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A063.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	GASOLINE RANGE	2377	0.1531	-----	1.00		0.0306
5.81	SURR TFT	99954	0.1837	91.9	0.00		0.0367
		102331					0.0674

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	2329	0.1202	-----	0.00		0.0240
6.23	C7-C8	48	0.2056	-----	0.00		0.0411
		2377					0.0652

SCAQMD - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A063.TXO

Lot/Sample: E0J030150-020 C-2-43-5 TICs.....: N Report Results: Y
WO#.....: DLFK0-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 23:26 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A064
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:04:00
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1587 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1788	89.4		

Notes:

J Estimated result. Result is less than RL.

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

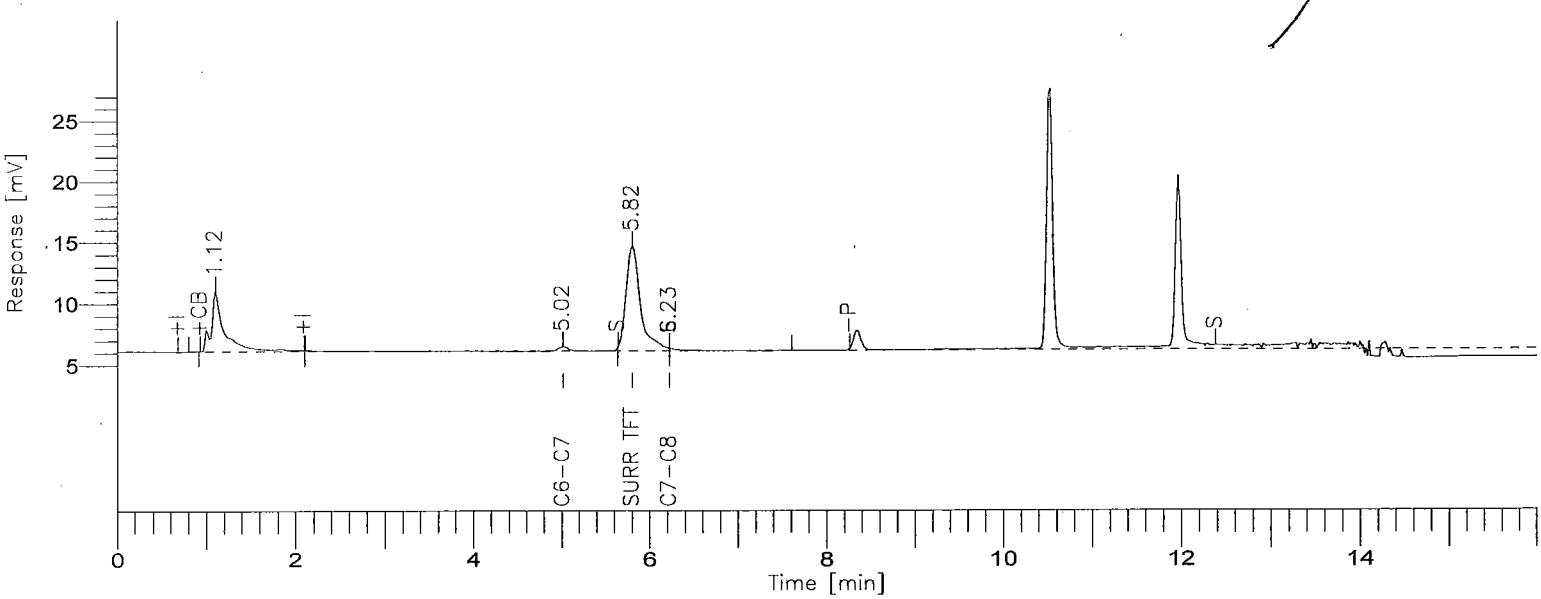
Software Version: 4.1<2F12>
Sample Name : j030150-20 Time : 10/3/00 11:42 PM
Sample Number: 150-20 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 11:26 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A064.RAW
Result File : C:\TC4\GC15\O02A064.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A064.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.02	GASOLINE RANGE	3675	0.1587	-----	1.00		0.0317
5.81	SURR TFT	96605	0.1788	89.4	0.00		0.0358
		100280					0.0675

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.02	C6-C7	2911	0.1243	-----	0.00		0.0249
6.23	C7-C8	764	0.2136	-----	0.00		0.0427
		3675					0.0676

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A064.TX0

Lot/Sample: E0J030150-022 C-2-45-1.5 TICs.....: N Report Results: Y
WO#.....: DLFK5-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/03/00
Inject Time..: 23:55 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A065
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:04:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1741 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1902	95.1		

Notes:

J Estimated result. Result is less than RL.

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

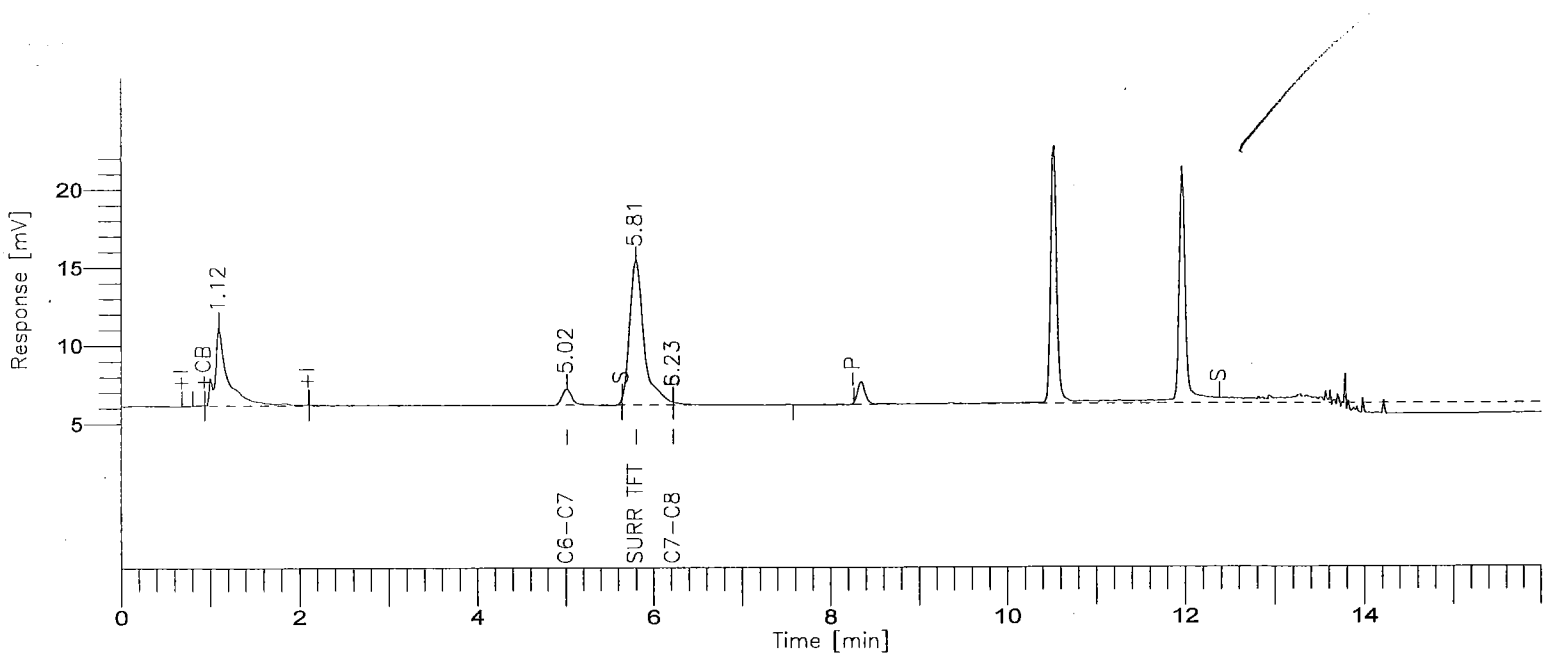
Software Version: 4.1<2F12>
Sample Name : j030150-22 Time : 10/4/00 12:11 AM
Sample Number: 150-22 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/3/00 11:55 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A065.RAW
Result File : C:\TC4\GC15\O02A065.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A065.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.02	GASOLINE RANGE	7266	0.1741	-----	1.00		0.0348
5.81	SURR TFT	104324	0.1902	95.1	0.00		0.0380
		111590					0.0729

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.02	C6-C7	7121	0.1537	-----	0.00		0.0307
6.23	C7-C8	145	0.2067	-----	0.00		0.0413
		7266					0.0721

- LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A065.TX0

Lot/Sample: E0J030150-023 C-2-45-5 TICs.....: N Report Results: Y
WO#.....: DLFK7-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....:
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/04/00
Inject Time..: 0:23 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A066
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:04:42
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1471 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1620	81		

Notes:

J Estimated result. Result is less than RL.

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

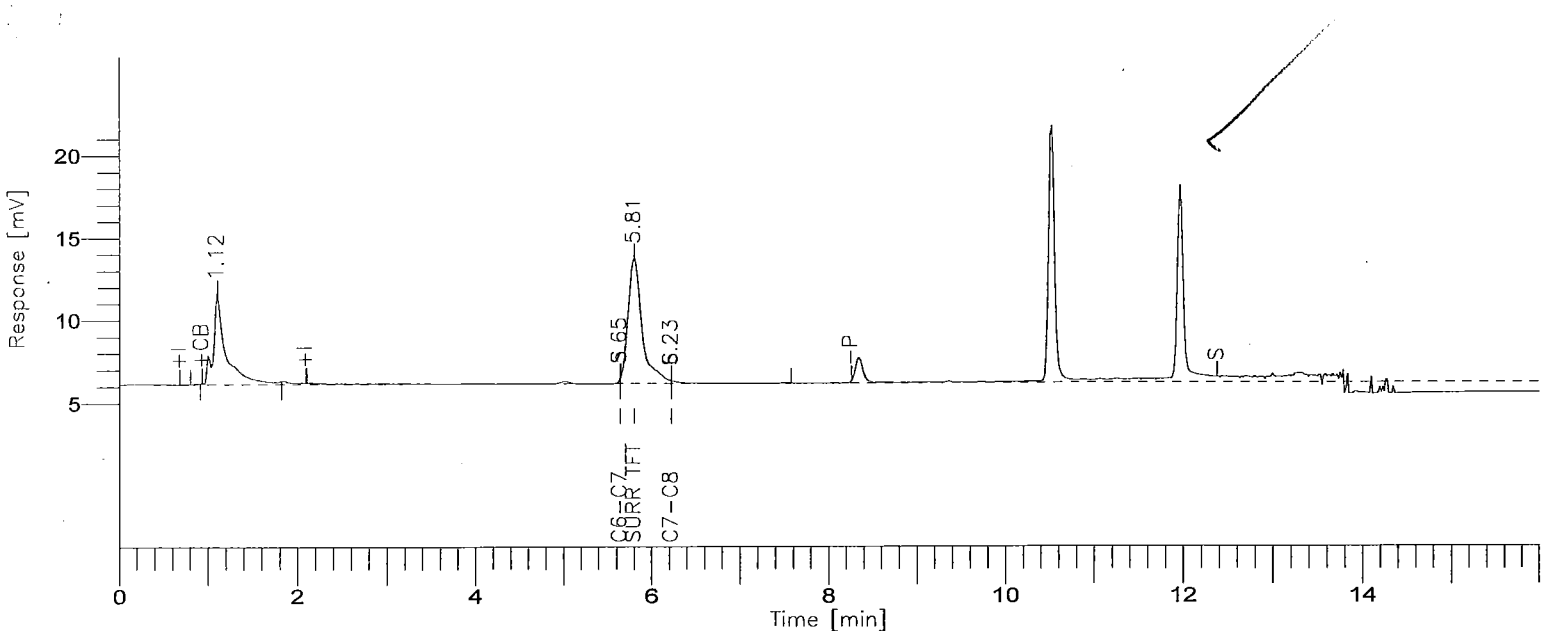
Software Version: 4.1<2F12>
Sample Name : j030150-23 Time : 10/4/00 12:39 AM
Sample Number: 150-23 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/4/00 12:23 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A066.RAW
Result File : C:\TC4\GC15\O02A066.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A066.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	GASOLINE RANGE	974	0.1471	-----	1.00		0.0294
5.81	SURR TFT	85249	0.1620	81.0	0.00		0.0324
		86223					0.0618

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.65	C6-C7	807	0.1096	-----	0.00		0.0219
6.23	C7-C8	167	0.2070	-----	0.00		0.0414
		974					0.0633

SCL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A066.TX0

Lot/Sample: E0J030150-026 C-2-47-1.5 TICs.....: N Report Results: Y
WO#.....: DLFKE-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/04/00
Inject Time..: 2:18 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A070
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:04:58
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.1830 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1686	84.3		

Notes:

J Estimated result. Result is less than RL.

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

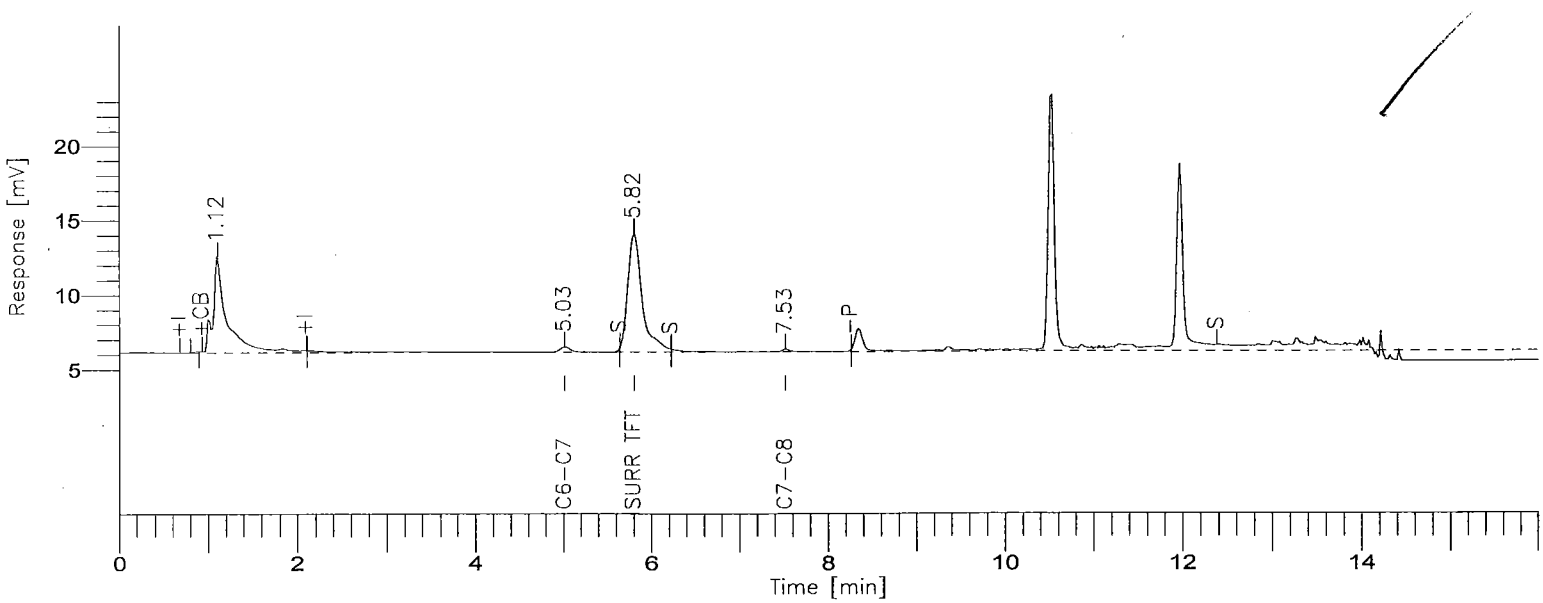
Software Version: 4.1<2F12>
Sample Name : j030150-26 Time : 10/4/00 02:34 AM
Sample Number: 150-26 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/4/00 02:18 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A070.RAW
Result File : C:\TC4\GC15\O02A070.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A070.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.03	GASOLINE RANGE	9319	0.1830	-----	1.00		0.0366
5.81	SURR TFT	89744	0.1686	84.3	0.00		0.0337
		99063					0.0703

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.03	C6-C7	6989	0.1528	-----	0.00		0.0306
7.53	C7-C8	2330	0.2311	-----	0.00		0.0462
		9319					0.0768

Report stored in ASCII file: C:\TC4\GC15\O02A070.TX0

Lot/Sample: E0J030150-027 C-2-47-5 TICs.....: N Report Results: Y
WO#.....: DLFKG-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/04/00
Inject Time..: 2:46 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A071
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:05:12
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.3325 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1823	91.15		

Notes:

J Estimated result. Result is less than RL.

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

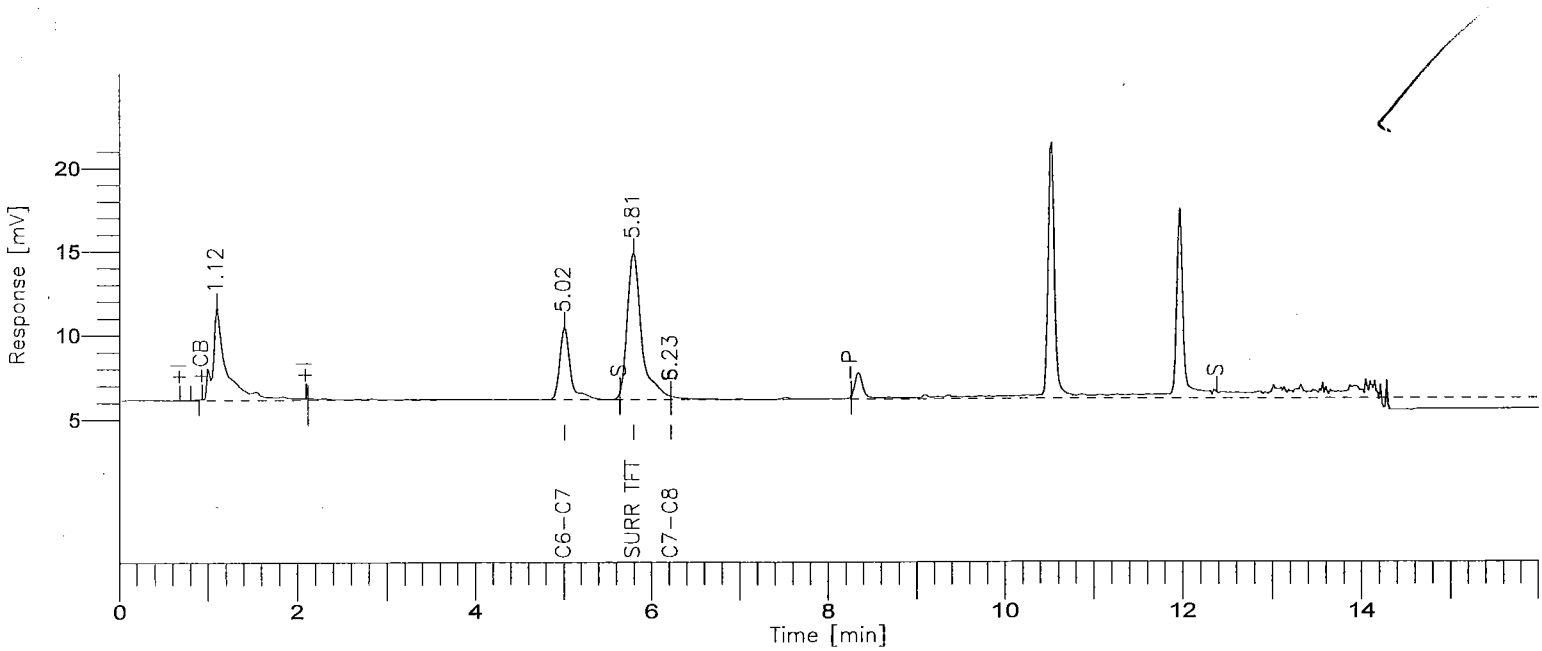
Software Version: 4.1<2F12>
Sample Name : j030150-27 Time : 10/4/00 03:02 AM
Sample Number: 150-27 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/4/00 02:46 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A071.RAW
Result File : C:\TC4\GC15\O02A071.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A071.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

000768

BOE-C6-0147843

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.02	GASOLINE RANGE	44122	0.3325	-----	1.00		0.0665
5.81	SURR TFT	99016	0.1823	91.2	0.00		0.0365
		143138					0.1030

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.02	C6-C7	40942	0.3901	-----	0.00		0.0780
6.23	C7-C8	3180	0.2406	-----	0.00		0.0481
		44122					0.1261

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O02A071.TX0

Lot/Sample: E0J030150-028 C-2-48-5 TICs.....: N Report Results: Y
WO#.....: DLFKJ-1-03 Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 KJ 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/04/00
Inject Time..: 3:15 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O02A072
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/02/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/06 16:05:30
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/03-10/04/00
QC Batch.....: 0280368
MS Run Number: 0280163
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 1 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: Amt..:
Exchange Solv: Amt..:
Spike....:
Surrogate: TFT

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05134	C6-C8			0.2711 B	1	0.1	J	J,B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.1703	85.15		

Notes:

J Estimated result. Result is less than RL.

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

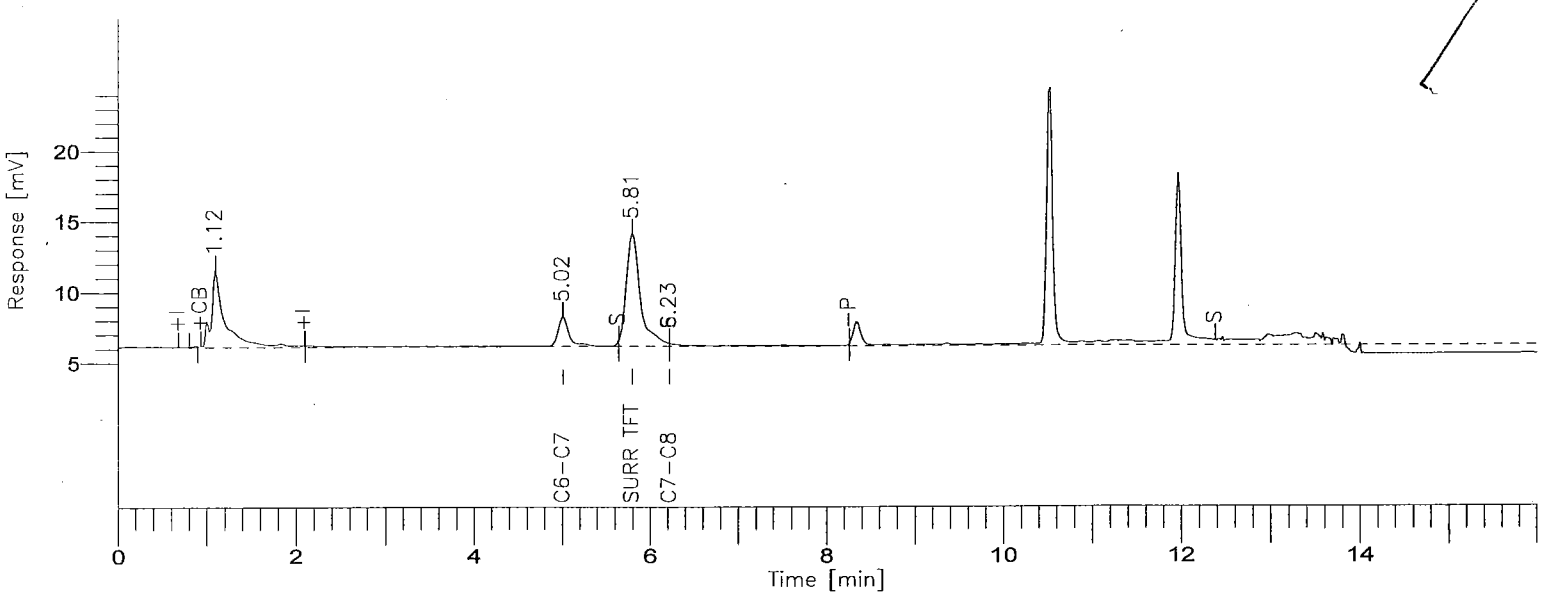
Software Version: 4.1<2F12>
Sample Name : j030150-28 Time : 10/4/00 03:31 AM
Sample Number: 150-28 Study : low soil
Operator :

Instrument : GC15 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 0269512307 Data Acquisition Time: 10/4/00 03:15 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O02A072.RAW
Result File : C:\TC4\GC15\O02A072.RST
Inst Method : C:\TC4\GC15\METHODS\925C6-C8 from C:\TC4\GC15\O02A072.RST
Proc Method : C:\TC4\GC15\METHODS\925C6-C8
Calib Method : C:\TC4\GC15\METHODS\925C6-C8
Sequence File : C:\TC4\GC15\O02.SEQ

Sample Volume : 1.0000 ml Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



8015B(TVPH)

GC-15/FID COLUMN: DB624

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.02	GASOLINE RANGE	29830	0.2711	-----	1.00		0.0542
5.81	SURR TFT	90885	0.1703	85.2	0.00		0.0341
		120715					0.0883

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
5.02	C6-C7	25065	0.2791	-----	0.00		0.0558
6.23	C7-C8	4765	0.2583	-----	0.00		0.0517
		29830					0.1075

Report stored in ASCII file: C:\TC4\GC15\O02A072.TX0