8260B SAMPLE / QC DATA

DATE ANALYZED: 102200

INSTRUMENT ID: MSD

SAMPLES: EO 1110284

STL Los Angeles

FJK 10/27/10

Batch ID: 0299464

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.U | Seq File: 1022AD

Init. Cal ID: 8260BDA | Date: 102200

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
10:55		DT1594	Soxy BFB	–	–	14	–	–	✓			MS10A 1265-2
11:16		DS2560	SOxy6 8260DS	1	Soil	5g	1	153	✓			TS1266-1, SVP-1268-2, STD1259-1
12:04		D13313	102200AD1-LCS-LS	2				157	✓			QC1271-2
12:26		14	RB-LS	3				140	✓			
13:17		15	DLW8510Y	4				153	✓			lg EOJ100274-38
14:21		16	DLW8610Y	5				149	✓			↓ 39
14:53		17	DM09M1AA	6				140	✓			EOS110284-1
15:25		18	DM09P1AA	7				143	✓			2
15:56		19	DM09Q1AA	8				144	✓			3
16:28		20	DM09Q1AC S	9				143	✓			3MS 4
17:00		21	DM09Q1AD D	10				146	✓			3MD 5
17:00		22	DM09R1AA	11				145	✓			4 6
17:31		23	DM09T1AA	12				138	✓			5 7
18:03		24	DM09V1AC	13				141	✓			6 9
18:35		25	DM09X1AA	14				142	✓			7 10
19:07		26	DM09Y1AA	15				138	✓			8 9 11
19:38		27	DM09Z1AA	16				143	✓			9 10
20:03		28	DM093IAA	17				141	✓			10 11
20:10	20:43	29	DM096IAA	18				135	✓			11 12
20:43	21:17	30	DM098IAA	19				138	✓			12 13
21:14	21:46	31	DM0AAIAC	20				138	✓			14
21:46	22:17	32	DM1AEIAC	21				137	✓			15
22:17	22:42	33	DM1AFIAA	22				132	✓			16

10-27-10

BOE-C6-0165079

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

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

Lab File ID (Standard): DS2560 Date Analyzed: 10/22/00

Instrument ID: MD Time Analyzed: 1116

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	1535045	7.08	1319774	12.60	970393	17.26
	UPPER LIMIT	3070090	7.58	2639548	13.10	1940786	17.76
	LOWER LIMIT	767523	6.58	659887	12.10	485197	16.76
	EPA SAMPLE NO.						
01	D13313	1572995	7.09	1349671	12.60	1001116	17.27
02	D13314	1402289	7.11	1274699	12.61	898745	17.27
03	D13315	1536089	7.10	1372599	12.60	986018	17.26
04	D13316	1494467	7.10	1361673	12.63	986172	17.26
05	D13317	1406561	7.10	1239911	12.61	878559	17.27
06	D13318	1433924	7.10	1289268	12.61	929989	17.26
07	D13319	1445891	7.09	1287436	12.61	923546	17.26
08	D13320	1438126	7.09	1252208	12.60	941632	17.25
09	D13321	1468160	7.11	1298457	12.61	976318	17.26
10	D13322	1451303	7.09	1290524	12.61	926389	17.26
11	D13323	1385167	7.09	1257865	12.60	919396	17.25
12	D13324	1414710	7.10	1275343	12.61	912789	17.26
13	D13325	1423756	7.11	1260207	12.60	933733	17.26
14	D13326	1382948	7.10	1215484	12.62	845448	17.27
15	D13327	1432036	7.11	1269651	12.62	887714	17.27
16	D13328	1412045	7.11	1241355	12.62	843965	17.27
17	D13329	1358365	7.10	1244698	12.62	895702	17.27
18	D13330	1383636	7.11	1228500	12.62	829439	17.27
19	D13331	1386925	7.11	1225041	12.62	892277	17.27
20	D13332	1379498	7.12	1228876	12.62	886173	17.27
21	D13333	1323030	7.10	1198352	12.60	873066	17.27
22							

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

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

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

FORM VIII VOA 1/87 Rev.

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\DT1594.D

Date : 22-OCT-2000 10:55

Client ID:

Instrument: md.i

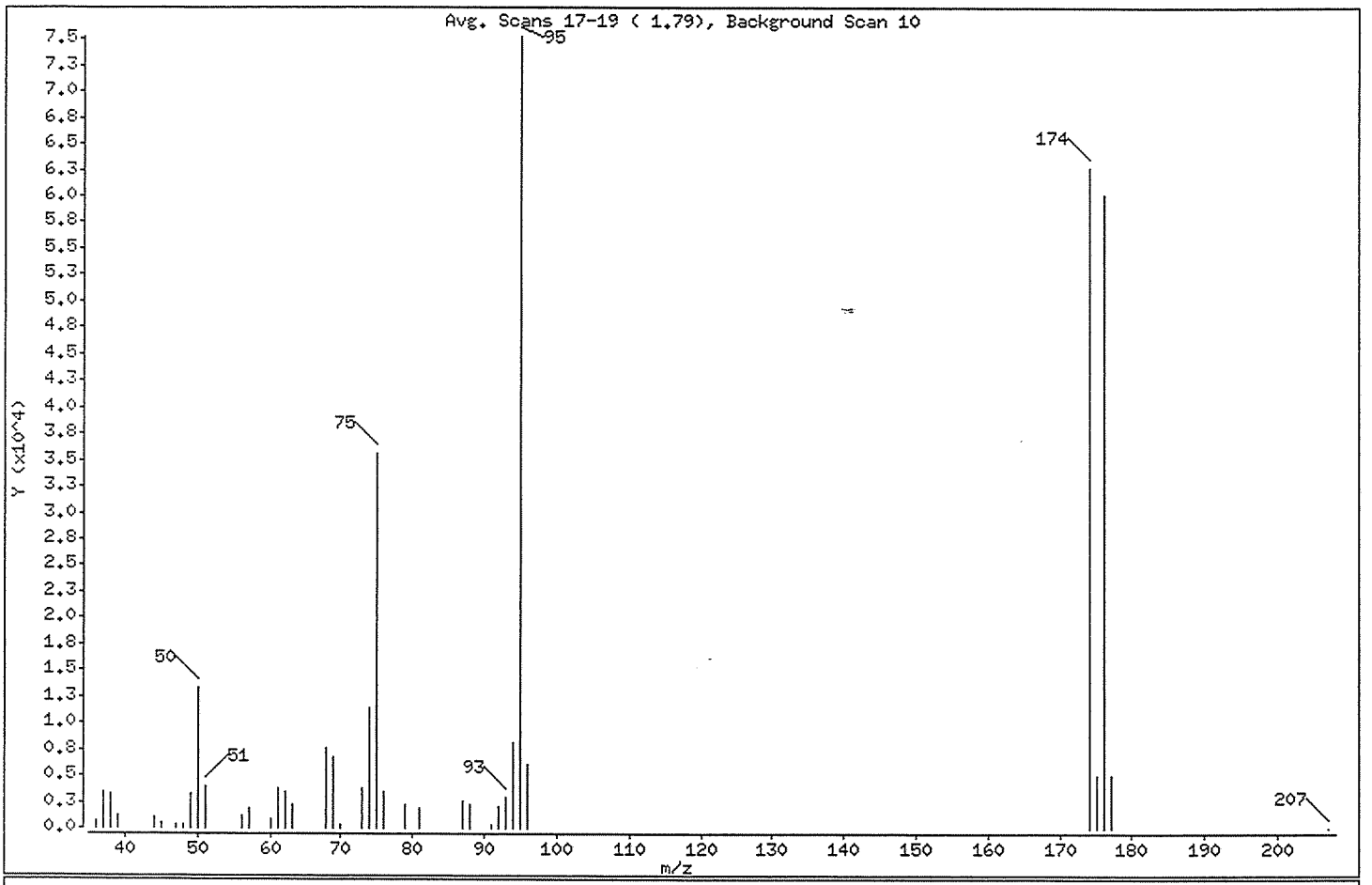
Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.64
75	30.00 - 60.00% of mass 95	47.42
96	5.00 - 9.00% of mass 95	8.07
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	83.53
175	5.00 - 9.00% of mass 174	6.64 (7.95)
176	95.00 - 101.00% of mass 174	79.97 (95.73)
177	5.00 - 9.00% of mass 176	6.60 (8.26)

10-23-00

STL Los Angeles

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\DT1594.D
Lab Smp Id:
Inj Date : 22-OCT-2000 10:55
Operator : RRT Inst ID: md.i
Smp Info : 50 ng BFB,bfb,,,,,,bfb.m
Misc Info : 1uL;1265-2,,,,3,all.sub
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.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		
1.7919	1.8000	(0.000)	95	75224			0.00- 100.00	100.00
1.7919	1.8000	(0.000)	50	13270			15.00- 40.00	17.64
1.7919	1.8000	(0.000)	75	35674			30.00- 60.00	47.42
1.7919	1.8000	(0.000)	96	6070			5.00- 9.00	8.07
1.7919	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.7919	1.8000	(0.000)	174	62837			50.00- 0.00	83.53
1.7919	1.8000	(0.000)	175	4993			5.00- 9.00	7.95
1.7919	1.8000	(0.000)	176	60154			95.00- 101.00	95.73
1.7919	1.8000	(0.000)	177	4967			5.00- 9.00	8.26

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\DT1594.D

Date : 22-OCT-2000 10:55

Client ID:

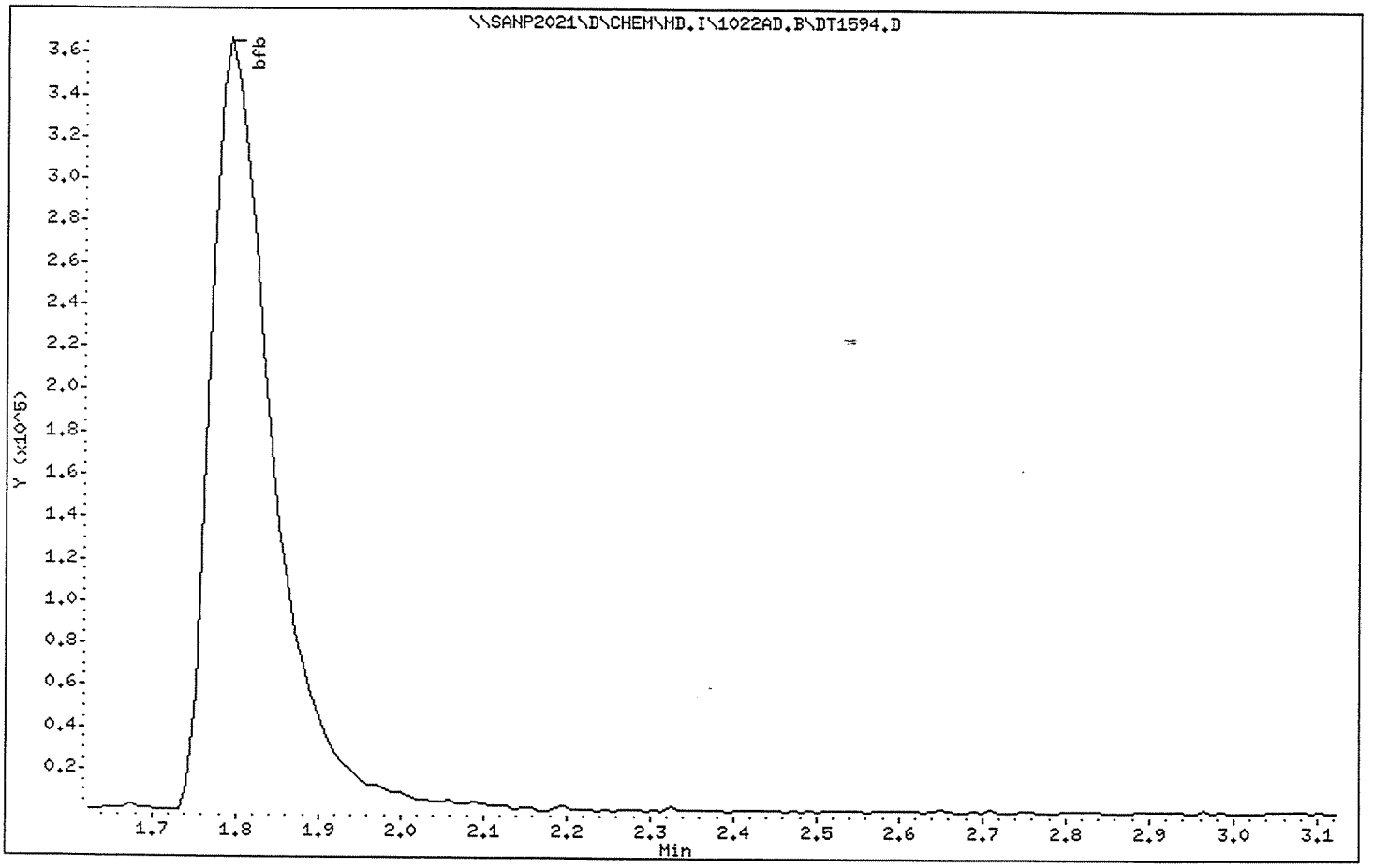
Instrument: md.i

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

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\DT1594.D

Date : 22-OCT-2000 10:55

Client ID:

Instrument: md.i

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

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Data File: DT1594.D
Spectrum: Avg. Scans 17-19 (1.79), Background Scan 10
Location of Maximum: 95.00
Number of points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	672	51.00	3899	73.00	3810	93.00	2966
37.00	3381	56.00	1144	74.00	11423	94.00	8140
38.00	3235	57.00	1974	75.00	35672	95.00	75224
39.00	1239	60.00	851	76.00	3395	96.00	6070
44.00	986	61.00	3816	79.00	2181	174.00	62832
45.00	593	62.00	3499	81.00	1985	175.00	4993
47.00	316	63.00	2175	87.00	2671	176.00	60152
48.00	331	68.00	7609	88.00	2290	177.00	4967
49.00	3331	69.00	6827	91.00	320	207.00	74
50.00	13270	70.00	344	92.00	1998		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i Injection Date: 22-OCT-2000 11:16
Lab File ID: DS2560.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\1022AD.B\8260BDA.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Dichlorodifluoromethane	0.44644	0.31953	0.010	-28.4	50.0
	2 Vinyl chloride (*)	0.21607	0.19849	0.010	-8.1	20.0
	3 Chloromethane (**)	0.19012	0.16811	0.100	-11.6	50.0
	4 Bromomethane	0.21985	0.20648	0.010	-6.1	50.0
	5 Chloroethane	0.13964	0.13844	0.010	-0.9	50.0
	6 Trichlorofluoromethane	0.71629	0.79673	0.010	11.2	50.0
	7 Acrolein	0.01339	0.01121	0.001	-16.2	50.0
	8 1,1-Dichloroethene(*)	0.28163	0.25410	0.010	-9.8	20.0
	9 1,1,2-Trichlorotrifluoroeth	0.46984	0.46599	0.010	-0.8	50.0
	10 Acetone	0.05535	0.05673	0.010	2.5	50.0
	11 Iodomethane	0.54249	0.63396	0.001	16.9	50.0
	12 Carbon disulfide	0.63173	0.55026	0.010	-12.9	50.0
	13 Methylene chloride	0.28611	0.26691	0.010	-6.7	50.0
	14 t-Butanol	0.00532	0.00518	0.001	-2.6	20.0
	15 trans-1,2-Dichloroethene	0.32668	0.29989	0.010	-8.2	50.0
	16 Acrylonitrile	0.04256	0.04068	0.001	-4.4	20.0
	17 Methyl-tert-butyl ether[MTB	0.75221	0.68268	0.010	-9.2	50.0
	18 1,1-Dichloroethane (**)	0.56293	0.49921	0.100	-11.3	50.0
	19 Vinyl acetate	0.72587	0.63793	0.010	-12.1	50.0
	20 Isopropyl ether	0.97354	0.86429	0.010	-11.2	20.0
	21 2,2-Dichloropropane	0.61103	0.55474	0.010	-9.2	50.0
	22 Tert-butyl ethyl ether	0.93101	0.87068	0.010	-6.5	20.0
	23 cis-1,2-Dichloroethene	0.33158	0.31333	0.010	-5.5	50.0
	24 2-Butanone	0.09614	0.08628	0.010	-10.3	50.0
	25 Bromochloromethane	0.21883	0.22612	0.010	3.3	50.0
	26 Chloroform (*)	0.73233	0.65763	0.010	-10.2	20.0
	27 Tetrahydrofuran	0.05809	0.05747	0.010	-1.1	50.0
M	28 1,2-Dichloroethene (total)	0.32913	0.30661	0.010	-6.8	50.0
$	29 Dibromofluoromethane	0.71120	0.69416	0.010	-2.4	50.0
	30 1,1,1-Trichloroethane	0.76256	0.73012	0.010	-4.3	50.0
	31 Carbon Tetrachloride	0.72937	0.73468	0.010	0.7	50.0
	32 1,1-Dichloropropene	0.54325	0.52187	0.010	-3.9	50.0
$	33 1,2-Dichloroethane-d4	0.48005	0.43486	0.010	-9.4	50.0
	34 1,2-Dichloroethane-d4 2nd	0.09685	0.09293	0.010	-4.0	50.0
	35 Benzene	0.84852	0.80588	0.010	-5.0	50.0

10-23-00

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i Injection Date: 22-OCT-2000 11:16
Lab File ID: DS2560.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\1022AD.B\8260BDA.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	36 1,2-Dichloroethane	0.53432	0.51075	0.010	-4.4	50.0	
	37 Tert-amyl methyl ether	0.88326	0.85119	0.010	-3.6	20.0	
	39 Trichloroethene	0.46731	0.48759	0.010	4.3	50.0	
	40 1,2-Dichloropropane(*)	0.34594	0.31940	0.010	-7.7	20.0	
	41 Dibromomethane	0.32224	0.33069	0.010	2.6	50.0	
	42 Bromodichloromethane	0.71616	0.70904	0.010	-1.0	50.0	
	43 1-Bromo-2-chloroethane	0.78851	0.87567	0.010	11.1	50.0	
	44 2-Chloroethylvinyl ether	0.04393	0.05873	0.010	33.7	20.0	<-
	45 cis-1,3-Dichloropropene	0.54033	0.51290	0.010	-5.1	50.0	
	46 4-Methyl-2-pentanone	0.26017	0.24596	0.010	-5.5	50.0	
$	47 Toluene-d8	1.15749	1.07123	0.010	-7.5	50.0	
	48 Toluene (*)	1.22215	1.17841	0.010	-3.6	20.0	
	49 trans-1,3-Dichloropropene	0.55799	0.52597	0.010	-5.7	50.0	
	50 1,1,2-Trichloroethane	0.40315	0.40157	0.010	-0.4	50.0	
	51 Tetrachloroethene	0.55481	0.57749	0.010	4.1	50.0	
	52 1,3-Dichloropropane	0.63464	0.61472	0.010	-3.1	50.0	
	53 2-Hexanone	0.22062	0.20565	0.010	-6.8	50.0	
	54 Dibromochloromethane	0.73783	0.77598	0.010	5.2	50.0	
	55 1,2-Dibromoethane	0.61043	0.61665	0.010	1.0	50.0	
	57 Chlorobenzene (**)	0.98253	0.98004	0.300	-0.3	50.0	
	58 1,1,1,2-Tetrachloroethane	0.59402	0.59921	0.010	0.9	50.0	
	59 Ethylbenzene (*)	0.45846	0.46052	0.010	0.5	20.0	
	60 m,p-Xylenes	0.57596	0.55738	0.010	-3.2	50.0	
	61 o-Xylene	0.55644	0.56261	0.010	1.1	50.0	
	62 Styrene	0.92422	0.91177	0.010	-1.3	50.0	
M	63 Xylenes (total)	0.56945	0.55913	0.010	-1.8	50.0	
	64 Bromoform (**)	0.59517	0.63225	0.100	6.2	50.0	
	65 Isopropylbenzene	1.75437	1.77559	0.010	1.2	50.0	
	66 4-Bromofluorobenzene-2nd	0.99560	0.96288	0.010	-3.3	50.0	
$	67 4-Bromofluorobenzene	1.32880	1.22183	0.010	-8.1	50.0	
	68 Bromobenzene	0.83061	0.84665	0.010	1.9	50.0	
	69 1,1,2,2-Tetrachloroethane(*	0.85523	0.83043	0.300	-2.9	50.0	
	70 1,2,3-Trichloropropane	0.28010	0.29583	0.010	5.6	50.0	
	71 n-Propylbenzene	2.58803	2.77435	0.010	7.2	50.0	
	72 2-Chlorotoluene	0.62571	0.61879	0.010	-1.1	50.0	
	73 4-Chlorotoluene	0.65344	0.62436	0.010	-4.5	50.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2560.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m

Injection Date: 22-OCT-2000 11:16
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	2.02774	0.010	-2.6	50.0
75 tert-Butylbenzene	2.15036	2.15476	0.010	0.2	50.0
76 1,2,4-Trimethylbenzene	2.11961	2.06845	0.010	-2.4	50.0
77 sec-Butylbenzene	2.82015	2.82221	0.010	0.1	50.0
78 1,3-Dichlorobenzene	1.39311	1.42384	0.010	2.2	50.0
80 1,4-Dichlorobenzene	1.51990	1.47726	0.010	-2.8	50.0
81 p-Isopropyltoluene	2.32696	2.32264	0.010	-0.2	50.0
82 1,2-Dichlorobenzene	1.33233	1.33461	0.010	0.2	50.0
83 n-Butylbenzene	2.22197	2.23803	0.010	0.7	50.0
84 1,2-Dibromo-3-chloropropane	0.28987	0.30108	0.010	3.9	50.0
85 1,2,4-Trichlorobenzene	1.23050	1.26366	0.010	2.7	50.0
86 Hexachlorobutadiene	0.92928	1.05291	0.010	13.3	50.0
87 Napthalene	1.86163	1.65638	0.010	-11.0	50.0
88 1,2,3-Trichlorobenzene	1.14824	1.17170	0.010	2.0	50.0

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2021\D\CHEM\MD.I\1022AD.B/DS2560.D
Inj. Date : 22-OCT-2000 11:16

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	1535045	103.7%
Chlorobenzene-d5	12.63	12.60	0.03	1259551	1319774	104.8%
1,4-Dichlorobenzene-d4	17.27	17.26	0.01	906122	970393	107.1%

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2560.D
Lab Smp Id: 50 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Misc Info: 1259-1;66-1;62-2,,5,,2,all.SUB

Calibration Date: 22-OCT-2000
Calibration Time: 11:16

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1535045	767523	3070090	1535045	0.00
56 Chlorobenzene-d5	1319774	659887	2639548	1319774	0.00
79 1,4-Dichlorobenze	970393	485197	1940786	970393	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.08	6.58	7.58	7.08	0.00
56 Chlorobenzene-d5	12.60	12.10	13.10	12.60	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

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\DS2560.D
Lab Smp Id: 50 PPB 8260B STD
Inj Date : 22-OCT-2000 11:16
Operator : RRT Inst ID: md.i
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1259-1;66-1;62-2,,5,,2,all.SUB
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 11:40 beckmang 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)	ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	1.456	1.456	(0.206)	490489	50.0000	35.79
2 Vinyl chloride (*)	62	1.693	1.693	(0.239)	304685	50.0000	45.93
3 Chloromethane (**)	50	1.624	1.624	(0.229)	258056	50.0000	44.21
4 Bromomethane	94	1.969	1.969	(0.278)	316953	50.0000	46.96
5 Chloroethane	64	2.057	2.057	(0.291)	212514	50.0000	49.57
6 Trichlorofluoromethane	101	2.294	2.294	(0.324)	1223017	50.0000	55.61
7 Acrolein	56	2.698	2.698	(0.381)	172133	500.000	418.8(AQ)
8 1,1-Dichloroethene(*)	96	2.787	2.787	(0.393)	390053	50.0000	45.11
9 1,1,2-Trichlorotrifluoroethan	151	2.796	2.796	(0.395)	715313	50.0000	49.59
10 Acetone	43	2.865	2.865	(0.405)	435443	250.000	256.2(Q)
11 Iodomethane	142	2.934	2.934	(0.414)	1946300	100.000	116.9(A)
12 Carbon disulfide	76	3.003	3.003	(0.424)	844679	50.0000	43.55
13 Methylene chloride	84	3.309	3.309	(0.467)	409725	50.0000	46.64
14 t-Butanol	59	3.565	3.565	(0.503)	198705	1250.00	1217

	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	3.663	3.663	(0.517)	460351	50.0000	45.90
	16 Acrylonitrile	53	3.654	3.654	(0.516)	624468	500.000	477.9(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.703	3.703	(0.523)	1047950	50.0000	45.38
	18 1,1-Dichloroethane (**)	63	4.255	4.255	(0.601)	766302	50.0000	44.34
	19 Vinyl acetate	43	4.392	4.392	(0.620)	1958495	100.000	87.88
	20 Isopropyl ether	45	4.422	4.422	(0.624)	1326729	50.0000	44.39
	21 2,2-Dichloropropane	77	5.141	5.141	(0.726)	851556	50.0000	45.39
	22 Tert-butyl ethyl ether	59	4.993	4.993	(0.705)	1336537	50.0000	46.76
	23 cis-1,2-Dichloroethene	96	5.171	5.171	(0.730)	480980	50.0000	47.25
	24 2-Butanone	43	5.250	5.250	(0.741)	662237	250.000	224.4
	25 Bromochloromethane	128	5.535	5.535	(0.782)	347099	50.0000	51.66
	26 Chloroform (*)	83	5.713	5.713	(0.807)	1009499	50.0000	44.90
	27 Tetrahydrofuran	42	5.663	5.663	(0.800)	88218	50.0000	49.46
M	28 1,2-Dichloroethene (total)	100				941331	100.000	93.15
$	29 Dibromofluoromethane	111	5.969	5.969	(0.843)	1065571	50.0000	48.80
	30 1,1,1-Trichloroethane	97	5.969	5.969	(0.843)	1120766	50.0000	47.87
	31 Carbon Tetrachloride	117	6.225	6.225	(0.879)	1127767	50.0000	50.36
	32 1,1-Dichloropropene	75	6.235	6.235	(0.880)	801092	50.0000	48.03
$	33 1,2-Dichloroethane-d4	65	6.511	6.511	(0.919)	667535	50.0000	45.29
	34 1,2-Dichloroethane-d4 2nd	102	6.521	6.521	(0.921)	142653	50.0000	47.98
	35 Benzene	78	6.589	6.589	(0.930)	1237062	50.0000	47.49
	36 1,2-Dichloroethane	62	6.649	6.649	(0.939)	784028	50.0000	47.79
	37 Tert-amyl methyl ether	73	6.875	6.875	(0.971)	1306612	50.0000	48.18
*	38 Fluorobenzene	96	7.082	7.082	(1.000)	1535045	50.0000	
	39 Trichloroethene	130	7.723	7.723	(1.090)	748479	50.0000	52.17
	40 1,2-Dichloropropane(*)	63	8.117	8.117	(1.146)	490298	50.0000	46.16
	41 Dibromomethane	93	8.314	8.314	(1.174)	507629	50.0000	51.31
	42 Bromodichloromethane	83	8.639	8.639	(1.220)	1088403	50.0000	49.50
	43 1-Bromo-2-chloroethane	63	9.161	9.161	(1.294)	1344191	50.0000	55.53
	44 2-Chloroethylvinyl ether	106	9.259	9.259	(1.307)	180301	100.000	133.7(A)
	45 cis-1,3-Dichloropropene	75	9.456	9.456	(1.335)	787326	50.0000	47.46
	46 4-Methyl-2-pentanone	43	9.801	9.801	(1.384)	1887825	250.000	236.3
$	47 Toluene-d8	98	9.910	9.910	(0.787)	1413781	50.0000	46.27
	48 Toluene (*)	91	10.028	10.028	(0.796)	1555229	50.0000	48.21
	49 trans-1,3-Dichloropropene	75	10.511	10.511	(0.834)	694160	50.0000	47.13
	50 1,1,2-Trichloroethane	97	10.826	10.826	(0.859)	529985	50.0000	49.80
	51 Tetrachloroethene	164	11.033	11.033	(0.876)	762155	50.0000	52.04
	52 1,3-Dichloropropane	76	11.112	11.112	(0.882)	811297	50.0000	48.43
	53 2-Hexanone	43	11.378	11.378	(0.903)	1357090	250.000	233.0
	54 Dibromochloromethane	129	11.535	11.535	(0.916)	1024119	50.0000	52.58
	55 1,2-Dibromoethane	107	11.693	11.693	(0.928)	813833	50.0000	50.51
*	56 Chlorobenzene-d5	117	12.599	12.599	(1.000)	1319774	50.0000	
	57 Chlorobenzene (**)	112	12.658	12.658	(1.005)	1293436	50.0000	49.87
	58 1,1,1,2-Tetrachloroethane	131	12.865	12.865	(1.021)	790815	50.0000	50.44
	59 Ethylbenzene (*)	106	12.915	12.915	(1.025)	607783	50.0000	50.22
	60 m,p-Xylenes	106	13.171	13.171	(1.045)	1471237	100.000	96.77
	61 o-Xylene	106	13.920	13.920	(1.105)	742522	50.0000	50.55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.949	13.949	(1.107)	1203335	50.0000	49.33
M	63 Xylenes (total)	100				2213760	150.000	147.3
	64 Bromoform (**)	173	14.274	14.274	(1.133)	834428	50.0000	53.11
	65 Isopropylbenzene	105	14.678	14.678	(1.165)	2343372	50.0000	50.60
	66 4-Bromofluorobenzene-2nd	174	14.944	14.944	(0.866)	934369	50.0000	48.36
$	67 4-Bromofluorobenzene	95	14.944	14.944	(0.866)	1185653	50.0000	45.97
	68 Bromobenzene	156	15.181	15.181	(0.880)	821582	50.0000	50.96
	69 1,1,2,2-Tetrachloroethane(**)	83	15.328	15.328	(0.888)	805842	50.0000	48.55
	70 1,2,3-Trichloropropane	110	15.348	15.348	(0.889)	287067	50.0000	52.81
	71 n-Propylbenzene	91	15.516	15.516	(0.899)	2692215	50.0000	53.60
	72 2-Chlorotoluene	126	15.614	15.614	(0.905)	600468	50.0000	49.45
	73 4-Chlorotoluene	126	15.841	15.841	(0.918)	605875	50.0000	47.77
	74 1,3,5-Trimethylbenzene	105	15.890	15.890	(0.921)	1967707	50.0000	48.70
	75 tert-Butylbenzene	119	16.520	16.520	(0.957)	2090961	50.0000	50.10
	76 1,2,4-Trimethylbenzene	105	16.629	16.629	(0.963)	2007208	50.0000	48.79
	77 sec-Butylbenzene	105	16.974	16.974	(0.983)	2738659	50.0000	50.04
	78 1,3-Dichlorobenzene	146	17.121	17.121	(0.992)	1381686	50.0000	51.10
*	79 1,4-Dichlorobenzene-d4	152	17.259	17.259	(1.000)	970393	50.0000	
	80 1,4-Dichlorobenzene	146	17.299	17.299	(1.002)	1433524	50.0000	48.60
	81 p-Isopropyltoluene	119	17.289	17.289	(1.002)	2253879	50.0000	49.91
	82 1,2-Dichlorobenzene	146	18.038	18.038	(1.045)	1295098	50.0000	50.08
	83 n-Butylbenzene	91	18.136	18.136	(1.051)	2171771	50.0000	50.36
	84 1,2-Dibromo-3-chloropropane	157	19.673	19.673	(1.140)	292162	50.0000	51.93
	85 1,2,4-Trichlorobenzene	180	21.378	21.378	(1.239)	1226248	50.0000	51.35
	86 Hexachlorobutadiene	225	21.801	21.801	(1.263)	1021737	50.0000	56.65
	87 Napthalene	128	21.841	21.841	(1.265)	1607337	50.0000	44.49
	88 1,2,3-Trichlorobenzene	180	22.363	22.363	(1.296)	1137012	50.0000	51.02

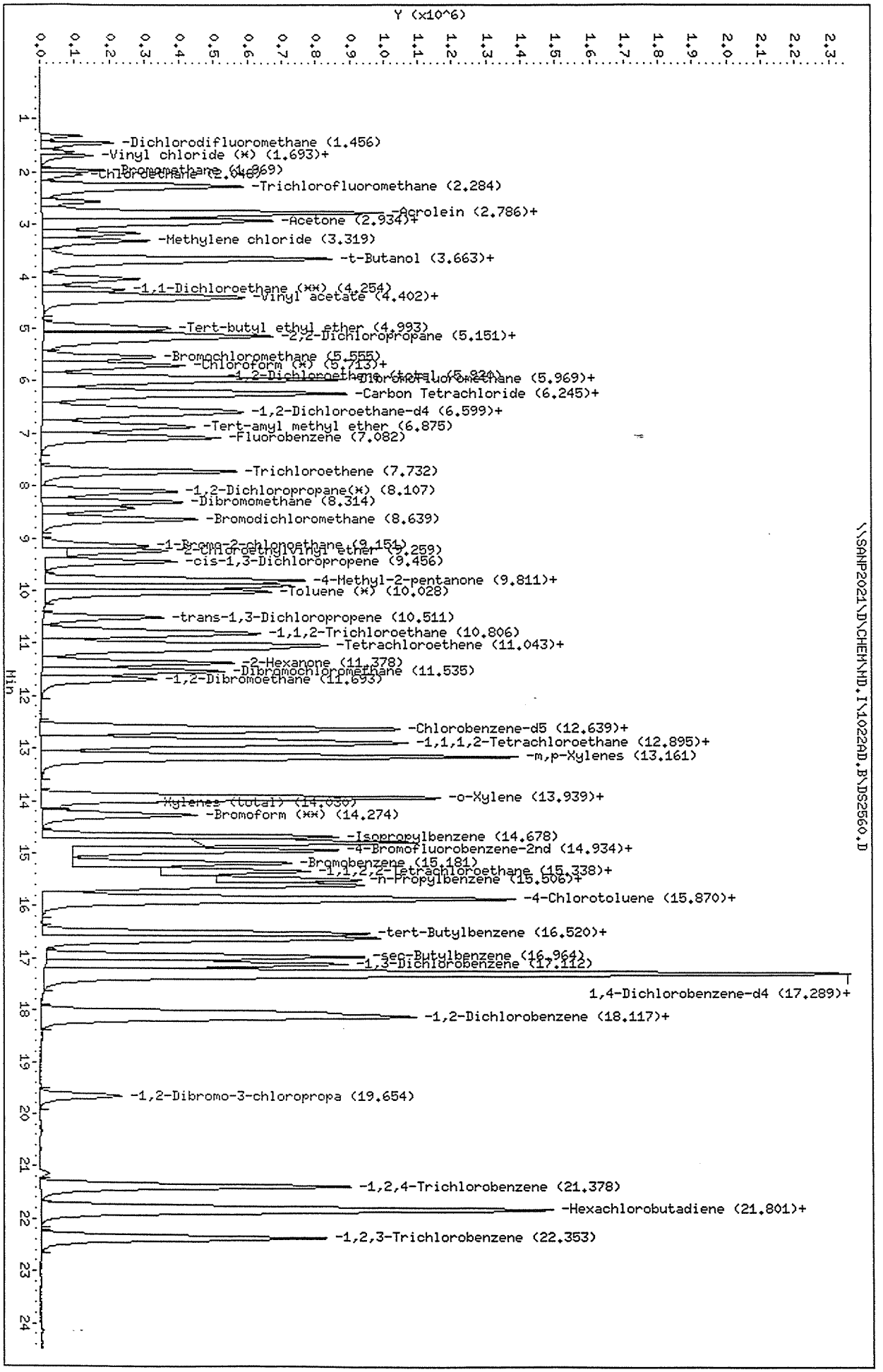
QC Flag Legend

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

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\DS2560.D
Date : 22-OCT-2000 11:16
Client ID:
Sample Info: 50 PPB 8260B STD,,,3.0,,,8260BDA.M

Column phase: J&W DB-624

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



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\D13313.D
Lab Smp Id: LCS-1022AD Client Smp ID: D13313
Inj Date : 22-OCT-2000 12:04
Operator : RRT Inst ID: md.i
Smp Info : LCS-1022AD,LCS,2,,0,1,0,8260BDA.M,D13313
Misc Info : 1252-1,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 11:40 beckmang 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

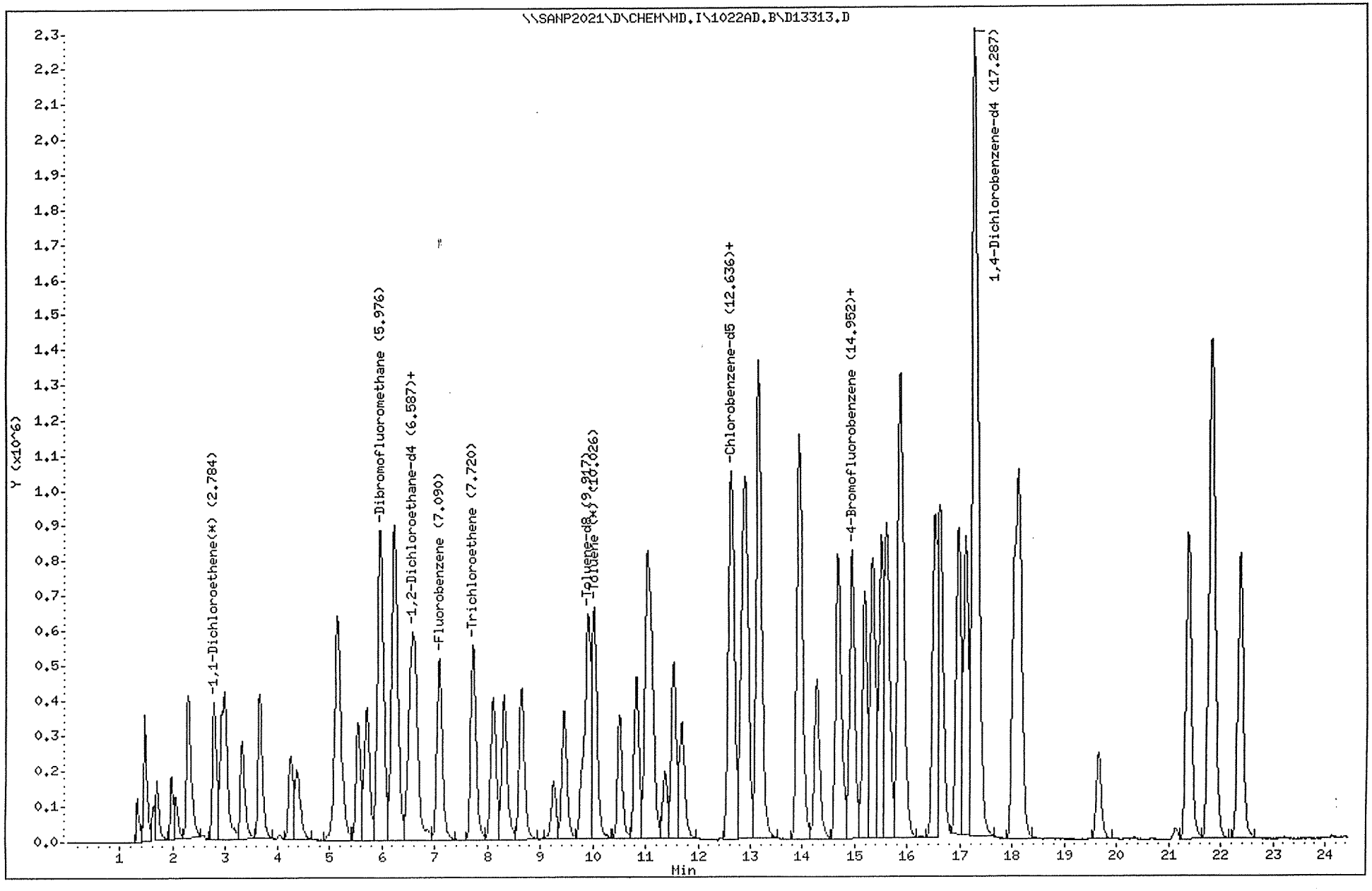
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.794	2.787	(0.394)	401773	45.3469	45.35
$ 29 Dibromofluoromethane	111	5.976	5.969	(0.843)	1010420	45.1602	45.16
$ 33 1,2-Dichloroethane-d4	65	6.518	6.511	(0.919)	684644	45.3342	45.33
34 1,2-Dichloroethane-d4 2nd	102	6.508	6.521	(0.918)	148733	48.8157	48.82
35 Benzene	78	6.587	6.589	(0.929)	1216294	45.5636	45.56
* 38 Fluorobenzene	96	7.090	7.082	(1.000)	1572995	50.0000	
39 Trichloroethene	130	7.740	7.723	(1.092)	736170	50.0739	50.07
$ 47 Toluene-d8	98	9.917	9.910	(0.787)	1464656	46.8773	46.88
48 Toluene (*)	91	10.035	10.028	(0.797)	1525342	46.2366	46.24
* 56 Chlorobenzene-d5	117	12.597	12.599	(1.000)	1349671	50.0000	
57 Chlorobenzene (**)	112	12.656	12.658	(1.005)	1274932	48.0711	48.07
$ 67 4-Bromofluorobenzene	95	14.952	14.944	(0.866)	1208121	45.4082	45.41
66 4-Bromofluorobenzene-2nd	174	14.952	14.944	(0.866)	962268	48.2723	48.27
* 79 1,4-Dichlorobenzene-d4	152	17.267	17.259	(1.000)	1001116	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13313.D
Date : 22-OCT-2000 12:04
Client ID: D13313
Sample Info: LCS-1022AD,LCS,2,,0,1,0,8260BDA.M,D13313

Instrument: md.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



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BOE-C6-0165095

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\D13314.D
Lab Smp Id: MB-1022AD Client Smp ID: D13314
Inj Date : 22-OCT-2000 12:36
Operator : RRT Inst ID: md.i
Smp Info : MB-1022AD,BLANK,2,,0,1,0,8260BDA.M,D13314
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 11:40 beckmang 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	5.992	5.969	(0.843)	958137	48.0365	48.04
$ 33 1,2-Dichloroethane-d4	65	6.524	6.511	(0.918)	596289	44.2902	44.29
34 1,2-Dichloroethane-d4 2nd	102	6.514	6.521	(0.917)	126657	46.6307	46.63
* 38 Fluorobenzene	96	7.105	7.082	(1.000)	1402289	50.0000	
$ 47 Toluene-d8	98	9.923	9.910	(0.787)	1375826	46.6241	46.62
* 56 Chlorobenzene-d5	117	12.612	12.599	(1.000)	1274699	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.957	14.944	(0.866)	874411	48.8613	48.86
$ 67 4-Bromofluorobenzene	95	14.947	14.944	(0.865)	1108095	46.3927	46.39
* 79 1,4-Dichlorobenzene-d4	152	17.273	17.259	(1.000)	898745	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1022AD
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13314
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1022AD.B\D13314.D
Lab Smp Id: MB-1022AD Client Smp ID: D13314
Inj Date : 22-OCT-2000 12:36
Operator : RRT Inst ID: md.i
Smp Info : MB-1022AD,BLANK,2,,0,1,0,8260BDA.M,D13314
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

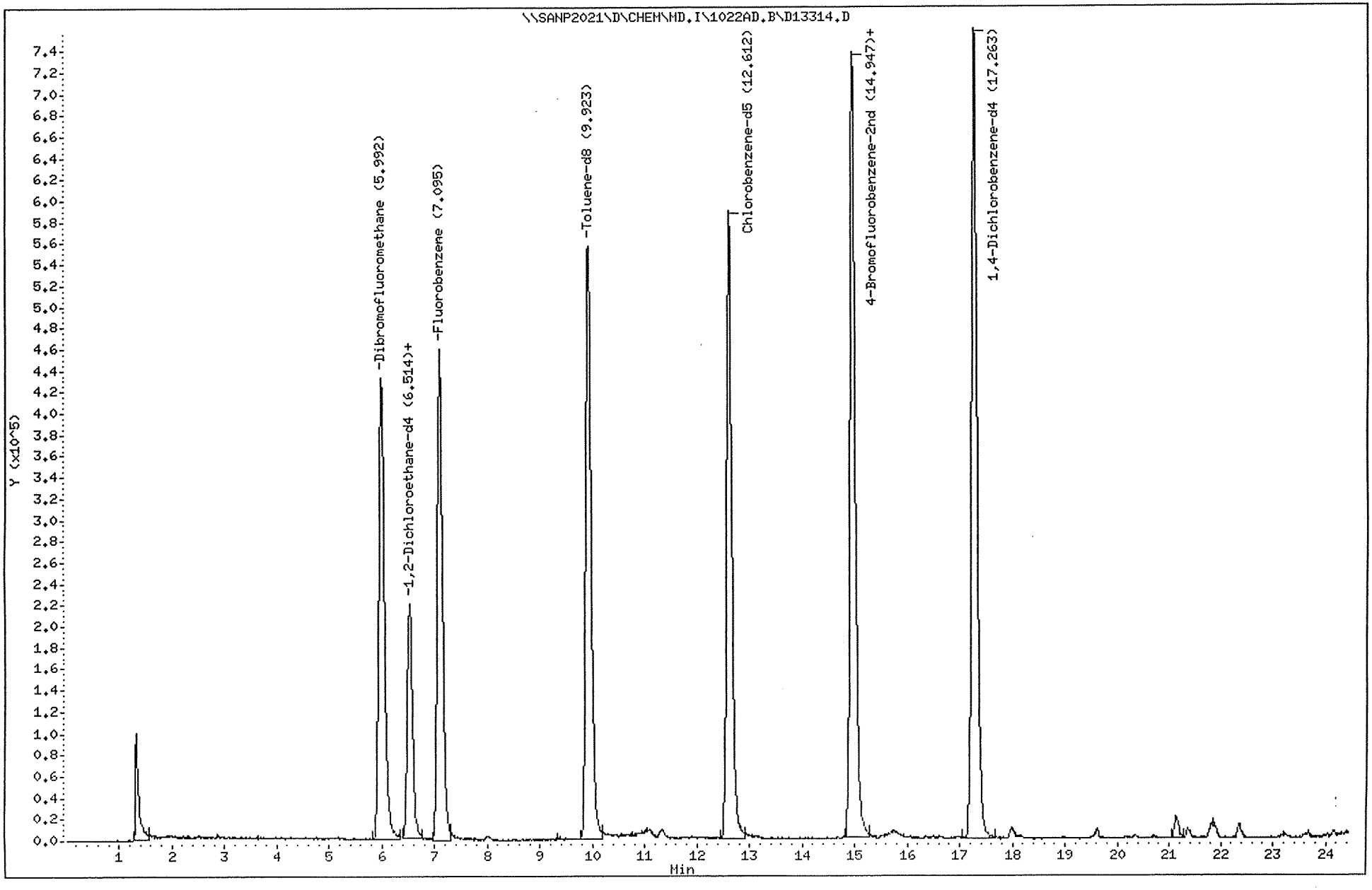
Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13314.D
Date : 22-OCT-2000 12:36
Client ID: D13314
Sample Info: MB-1022AD,BLANK,2,,0,1,0,8260BDA.M,D13314

Instrument: md.i

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



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BOE-C6-0165099

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13314.D

Date : 22-OCT-2000 12:36

Client ID: D13314

Instrument: md.i

Sample Info: MB-1022AD,BLANK,2,,0,1,0,8260BDA.M,D13314

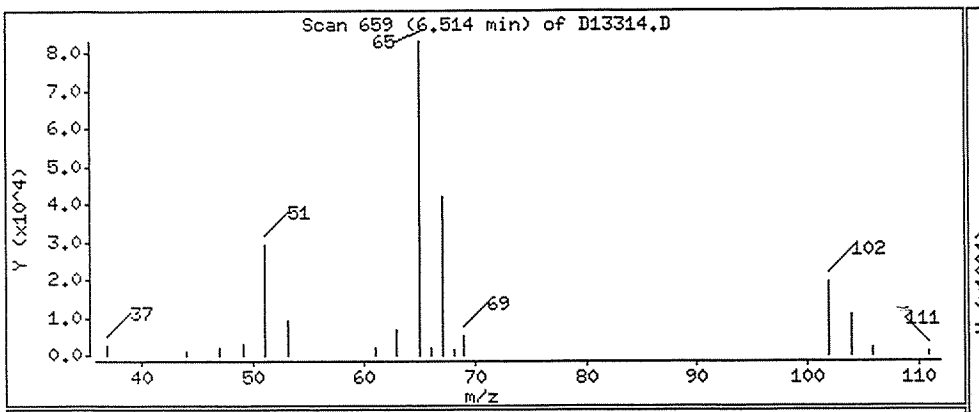
Operator: RRT

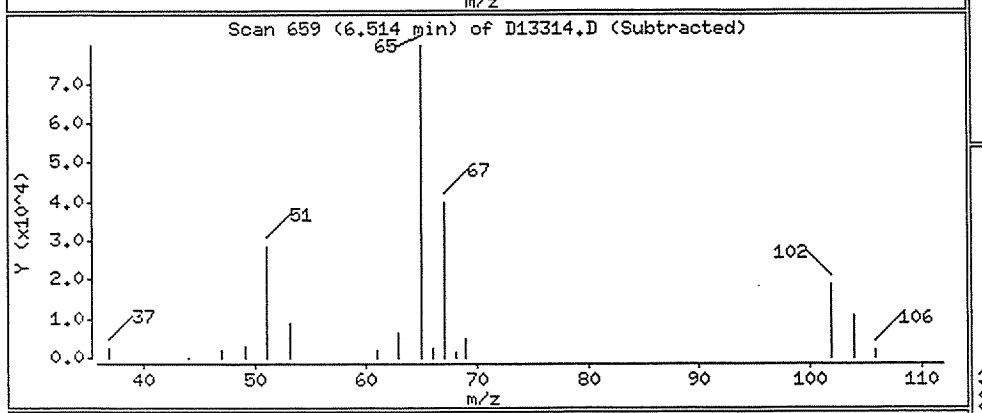
Column phase: J&W DB-624

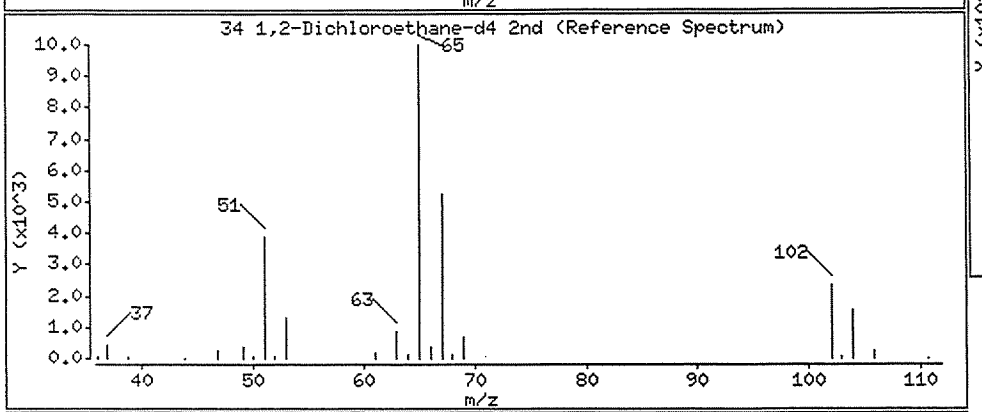
Column diameter: 0.53

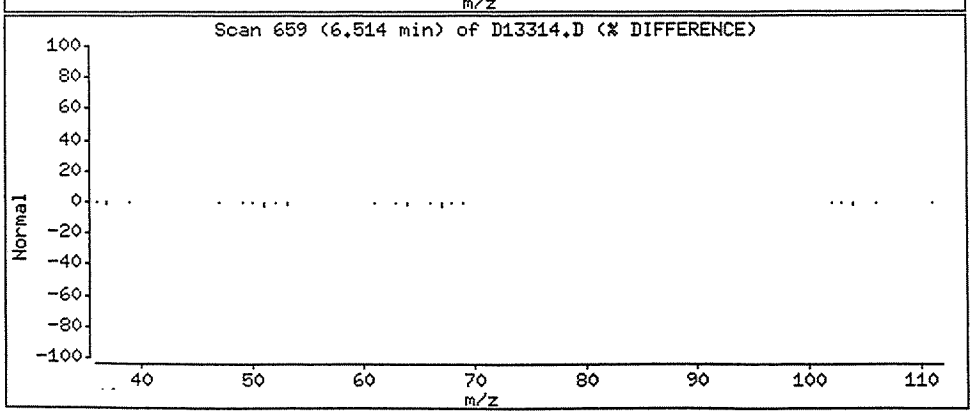
34 1,2-Dichloroethane-d4 2nd

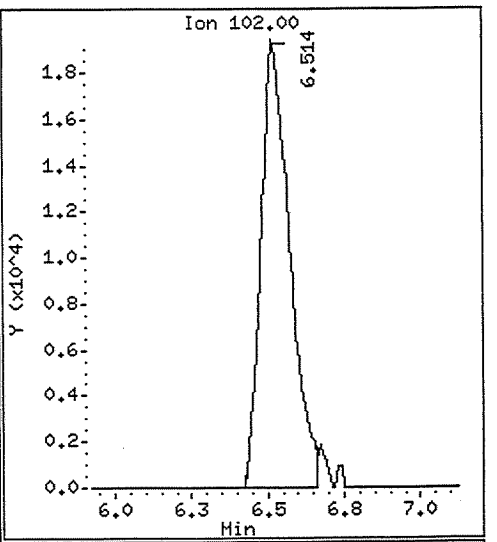
Concentration: 46.63 ug/Kg

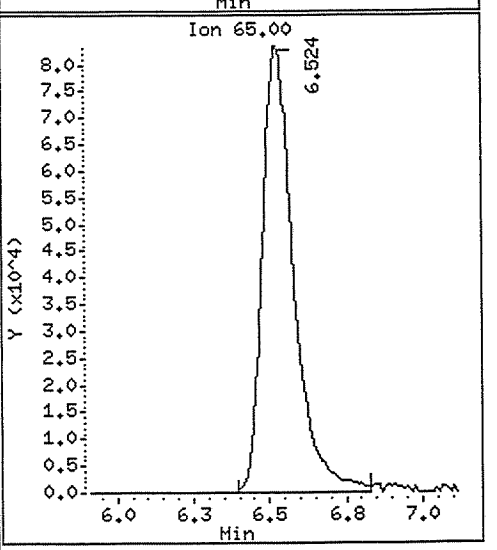












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13314.D

Date : 22-OCT-2000 12:36

Client ID: D13314

Instrument: md.i

Sample Info: MB-1022AD,BLANK,2,,0,1,0,8260BDA.M,D13314

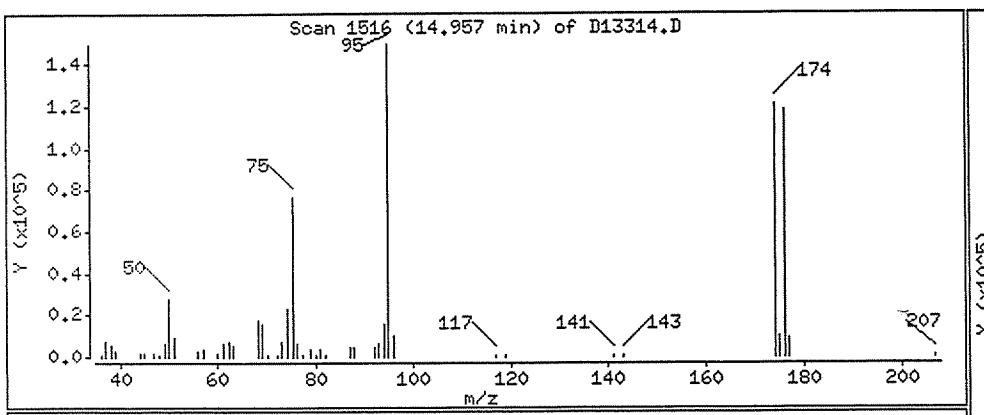
Operator: RRT

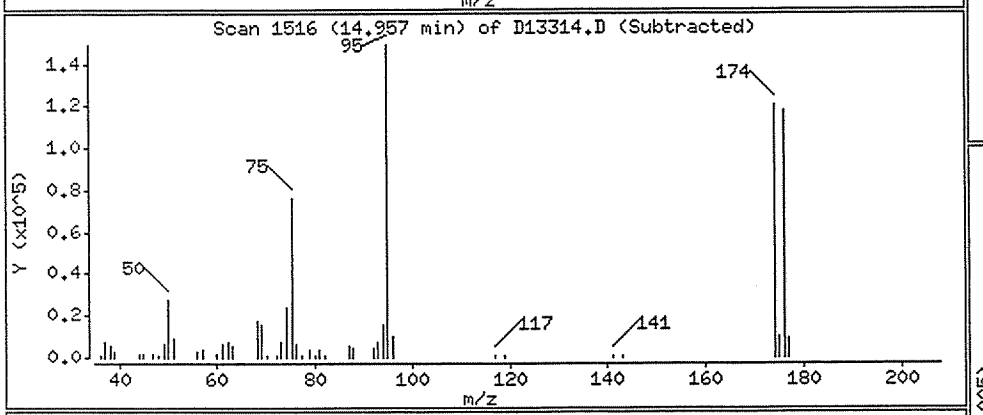
Column phase: J&W DB-624

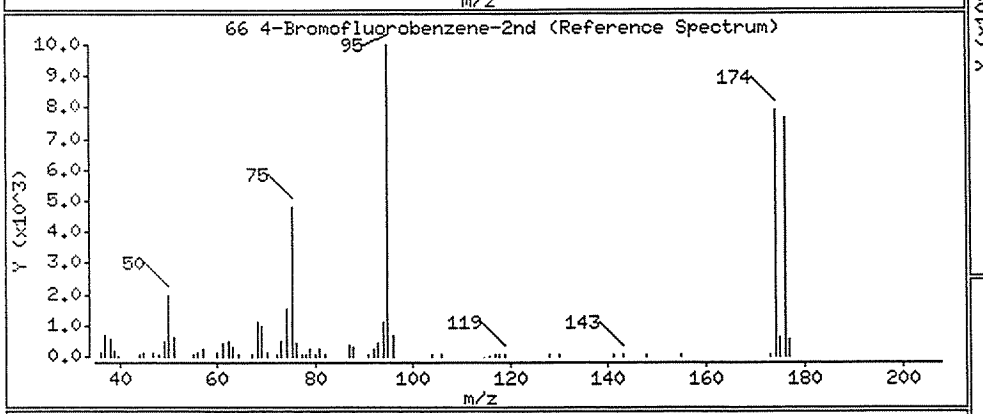
Column diameter: 0.53

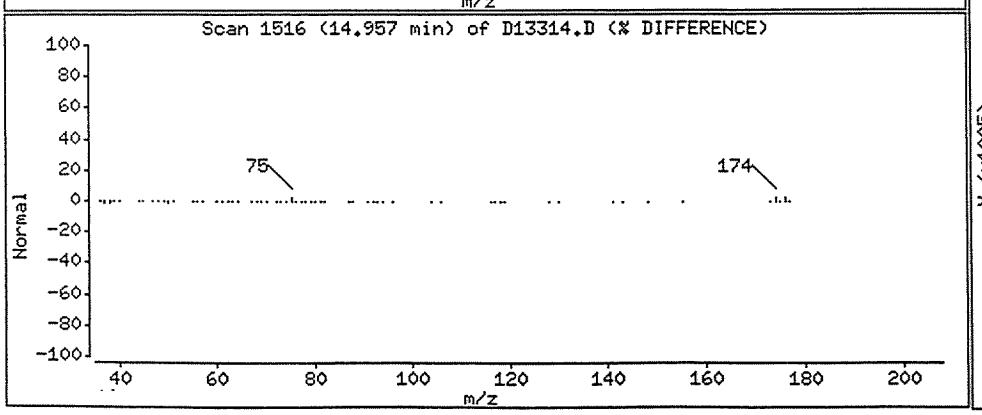
66 4-Bromofluorobenzene-2nd

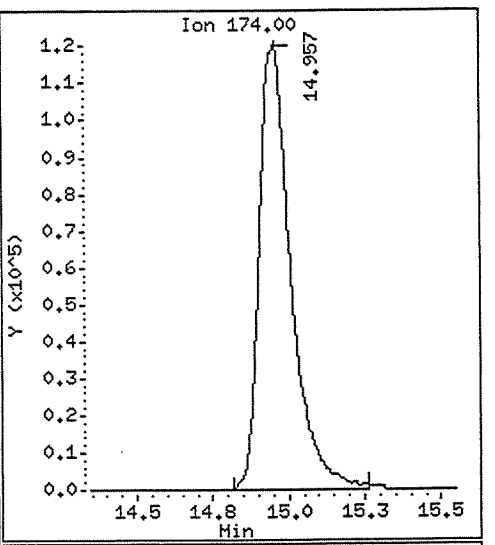
Concentration: 48.86 ug/Kg

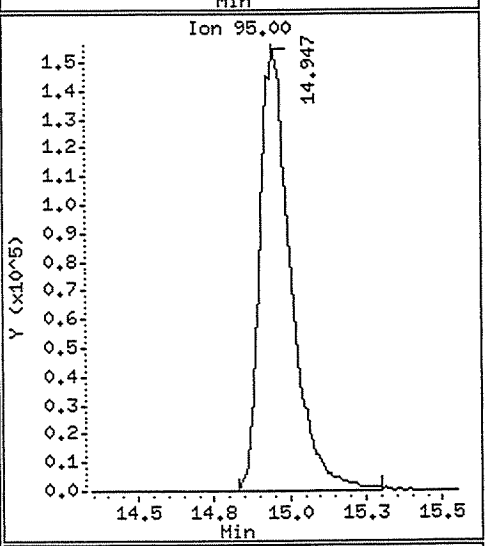


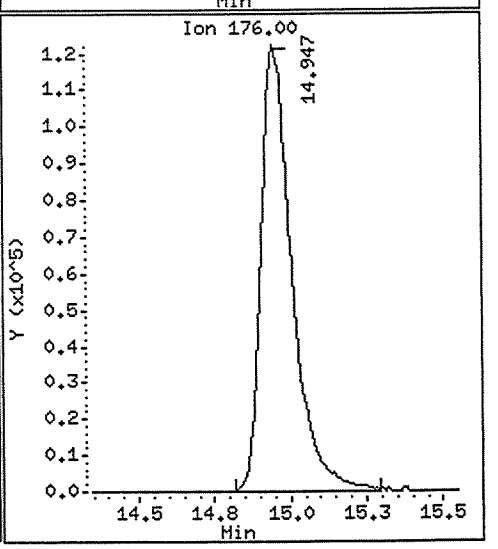












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\D13320.D
Lab Smp Id: DM09Q1AC Client Smp ID: D13320
Inj Date : 22-OCT-2000 15:56
Operator : RRT Inst ID: md.i
Smp Info : DM09Q1AC,MS,2,,0,1,0,8260BDA.M,D13320
Misc Info : ,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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	2.782	2.787	(0.392)	292109	36.0614	36.06
$ 29 Dibromofluoromethane	111	5.984	5.969	(0.844)	1010474	49.3980	49.40
$ 33 1,2-Dichloroethane-d4	65	6.516	6.511	(0.919)	611954	44.3211	44.32
34 1,2-Dichloroethane-d4 2nd	102	6.526	6.521	(0.921)	133674	47.9874	47.99
35 Benzene	78	6.585	6.589	(0.929)	936649	38.3784	38.38
* 38 Fluorobenzene	96	7.087	7.082	(1.000)	1438126	50.0000	
39 Trichloroethene	130	7.728	7.723	(1.090)	571069	42.4866	42.49
$ 47 Toluene-d8	98	9.925	9.910	(0.787)	1364461	47.0695	47.07
48 Toluene (*)	91	10.033	10.028	(0.796)	1177364	38.4663	38.47
* 56 Chlorobenzene-d5	117	12.604	12.599	(1.000)	1252208	50.0000	
57 Chlorobenzene (**)	112	12.654	12.658	(1.004)	993818	40.3882	40.39
$ 67 4-Bromofluorobenzene	95	14.949	14.944	(0.866)	1134051	45.3169	45.32
66 4-Bromofluorobenzene-2nd	174	14.939	14.944	(0.866)	897380	47.8609	47.86
* 79 1,4-Dichlorobenzene-d4	152	17.255	17.259	(1.000)	941632	50.0000	(Q)

QC Flag Legend

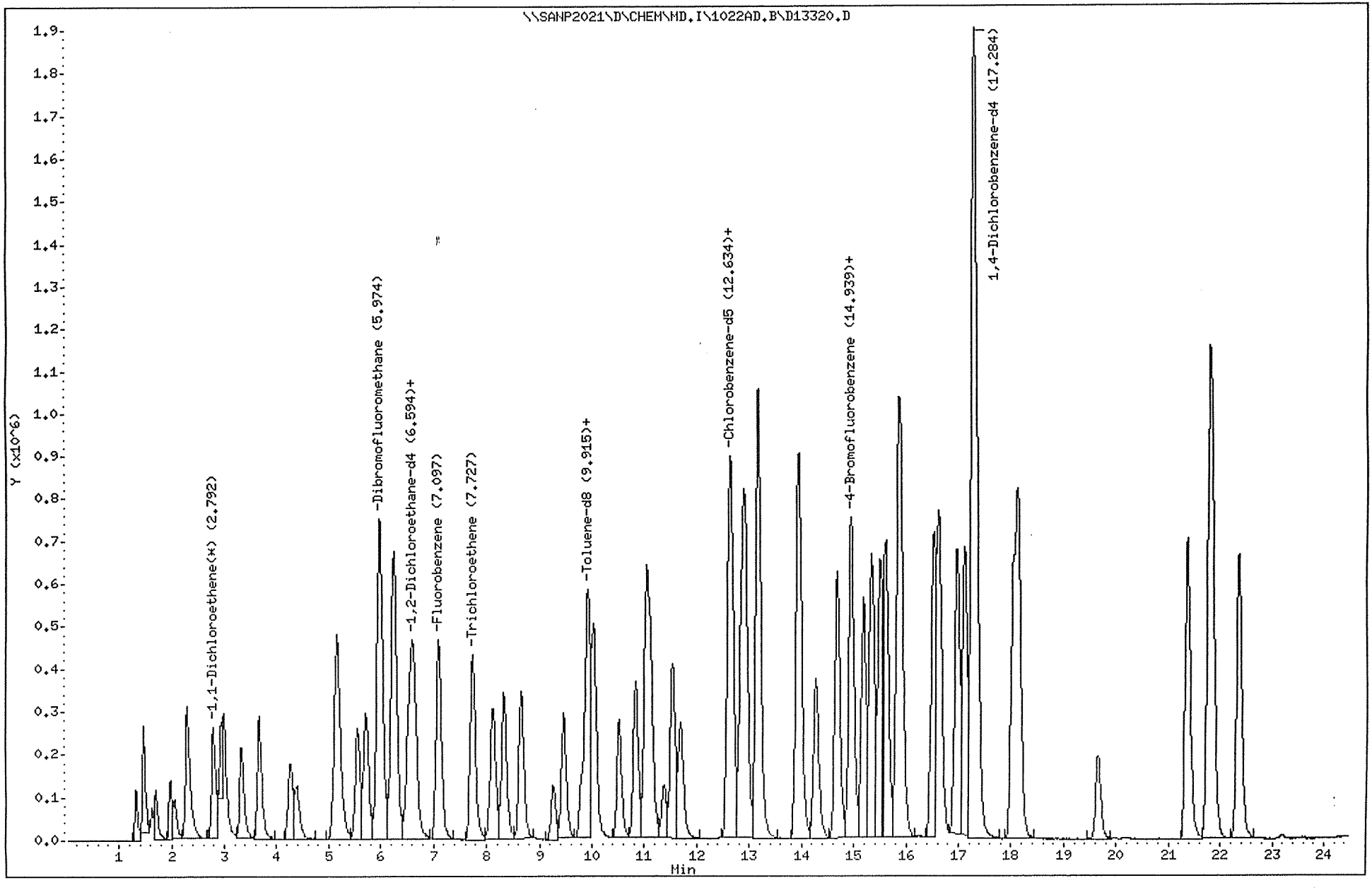
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13320.D
Date : 22-OCT-2000 15:56
Client ID: D13320
Sample Info: DM09Q1AC,MS,2,,0,1,0,8260BDA.M,D13320

Instrument: md.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



000489

BOE-C6-0165104

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\D13321.D
Lab Smp Id: DM09Q1AD Client Smp ID: D13321
Inj Date : 22-OCT-2000 16:28
Operator : RRT Inst ID: md.i
Smp Info : DM09Q1AD,MSD,2,,0,1,0,8260BDA.M,D13321
Misc Info : ,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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	2.791	2.787	(0.393)	353861	42.7911	42.79
$ 29 Dibromofluoromethane	111	5.993	5.969	(0.843)	961681	46.0510	46.05
$ 33 1,2-Dichloroethane-d4	65	6.525	6.511	(0.918)	630169	44.7066	44.71
34 1,2-Dichloroethane-d4 2nd	102	6.545	6.521	(0.921)	73625	25.8899	25.89(Q)
35 Benzene	78	6.594	6.589	(0.928)	1096642	44.0148	44.01
* 38 Fluorobenzene	96	7.106	7.082	(1.000)	1468160	50.0000	
39 Trichloroethene	130	7.737	7.723	(1.089)	679249	49.5013	49.50
$ 47 Toluene-d8	98	9.924	9.910	(0.787)	1407939	46.8394	46.84
48 Toluene (*)	91	10.042	10.028	(0.796)	1369082	43.1369	43.14
* 56 Chlorobenzene-d5	117	12.613	12.599	(1.000)	1298457	50.0000	
57 Chlorobenzene (**)	112	12.663	12.658	(1.004)	1163423	45.5968	45.60
$ 67 4-Bromofluorobenzene	95	14.948	14.944	(0.866)	1179996	45.4777	45.48
66 4-Bromofluorobenzene-2nd	174	14.948	14.944	(0.866)	930507	47.8646	47.86
* 79 1,4-Dichlorobenzene-d4	152	17.264	17.259	(1.000)	976318	50.0000	

QC Flag Legend

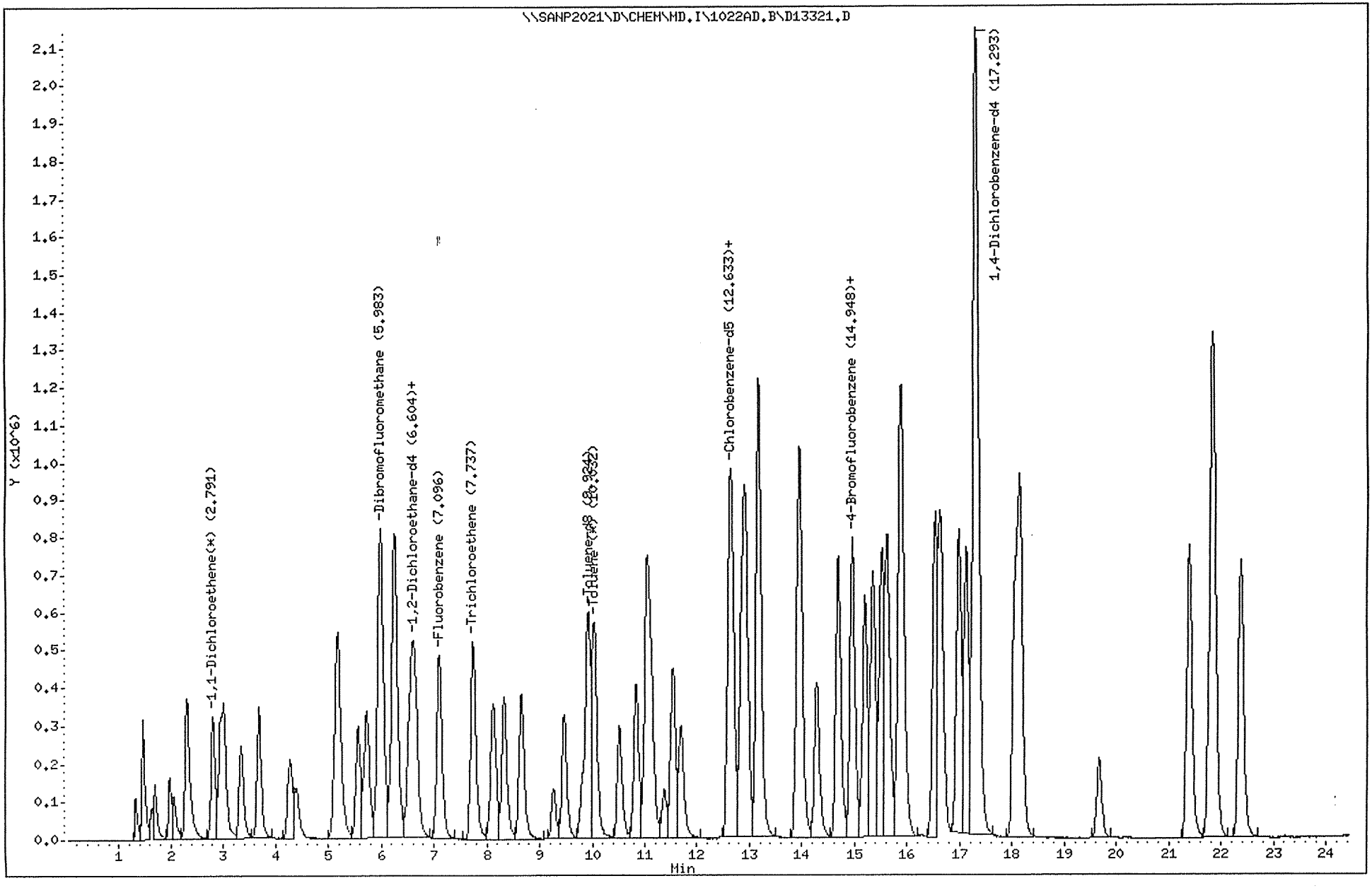
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13321.D
Date : 22-OCT-2000 16:28
Client ID: D13321
Sample Info: DM09Q1AD,MSD,2,,0,1,0,8260BDA.M,D13321

Instrument: md.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



000492

BOE-C6-0165107

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\D13317.D
Lab Smp Id: DM09M1AA Client Smp ID: D13317
Inj Date : 22-OCT-2000 14:21
Operator : RRT Inst ID: md.i
Smp Info : DM09M1AA,,2,,0,1,0,8260BDA.M,D13317
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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)
9 1,1,2-Trichlorotrifluoroethan	151	2.804	2.796	(0.395)	16211	1.22650	1.23(aQ)
10 Acetone	43	2.873	2.865	(0.405)	11049	7.09576	7.10
$ 29 Dibromofluoromethane	111	5.976	5.969	(0.842)	914513	45.7101	45.71
$ 33 1,2-Dichloroethane-d4	65	6.518	6.511	(0.918)	571741	42.3379	42.34
34 1,2-Dichloroethane-d4 2nd	102	6.518	6.521	(0.918)	123688	45.3993	45.40
* 38 Fluorobenzene	96	7.099	7.082	(1.000)	1406561	50.0000	
$ 47 Toluene-d8	98	9.917	9.910	(0.787)	1312335	45.7203	45.72
* 56 Chlorobenzene-d5	117	12.607	12.599	(1.000)	1239911	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.962	14.944	(0.866)	825279	47.1755	47.18
$ 67 4-Bromofluorobenzene	95	14.952	14.944	(0.866)	1045588	44.7815	44.78
* 79 1,4-Dichlorobenzene-d4	152	17.267	17.259	(1.000)	878559	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\1022AD.B\D13317.D
Lab Smp Id: DM09M1AA Client Smp ID: D13317
Inj Date : 22-OCT-2000 14:21
Operator : RRT Inst ID: md.i
Smp Info : DM09M1AA,,2,,0,1,0,8260BDA.M,D13317
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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	7.100	3190667	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.316	590993	9.26127425	9.26	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM09M1AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13317
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

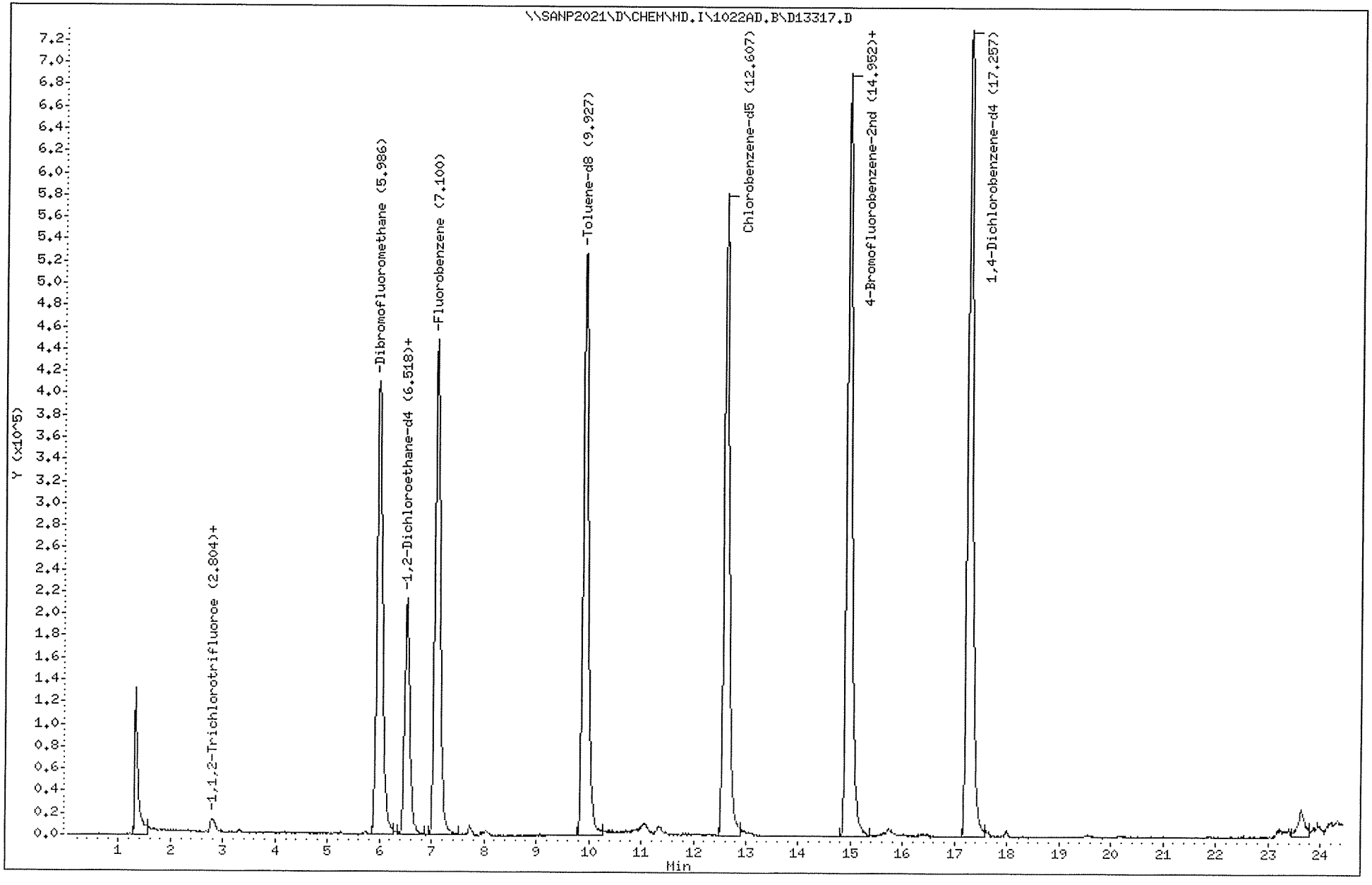
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ N	1.316	9.26	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13317.D
Date : 22-OCT-2000 14:21
Client ID: D13317
Sample Info: DM09M1AA,,2,,0,1,0,8260BDA.M,D13317

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000497

BOE-C6-0165112

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13317.D

Date : 22-OCT-2000 14:21

Client ID: D13317

Instrument: md.i

Sample Info: DM09M1AA,,2,,0,1,0,8260BDA.M,D13317

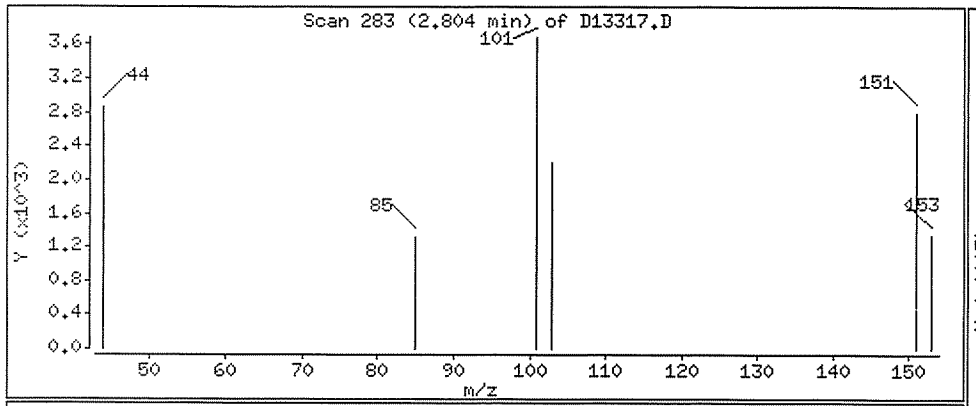
Operator: RRT

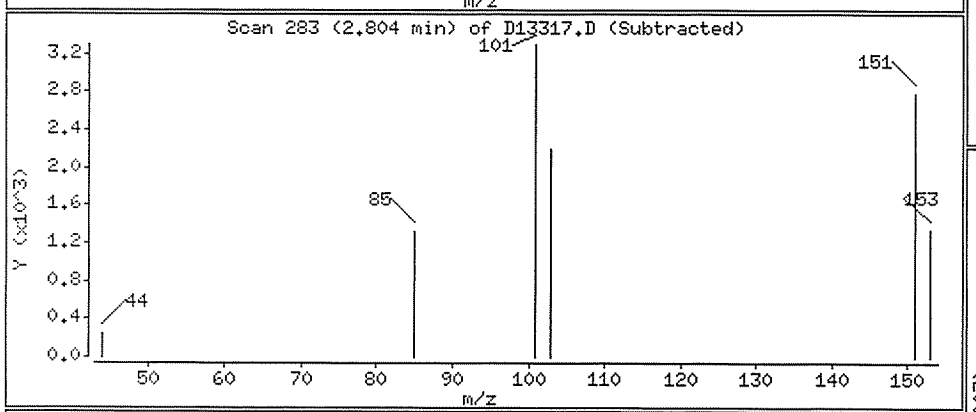
Column phase: J&W DB-624

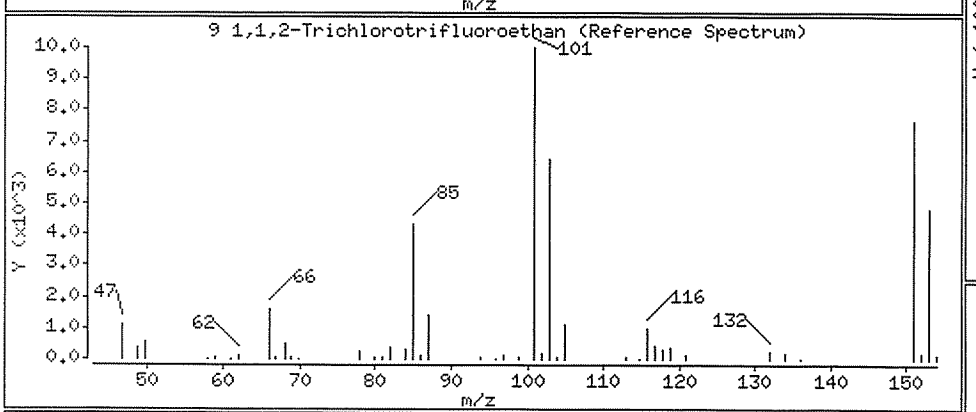
Column diameter: 0.53

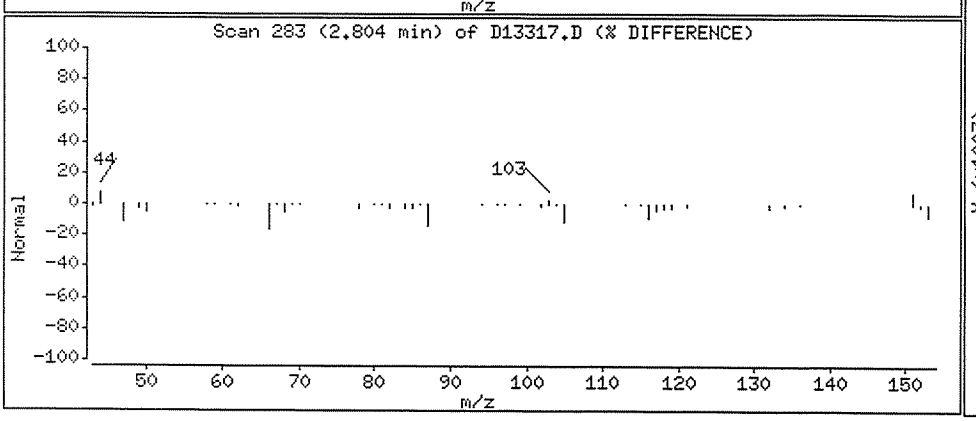
9 1,1,2-Trichlorotrifluoroethan

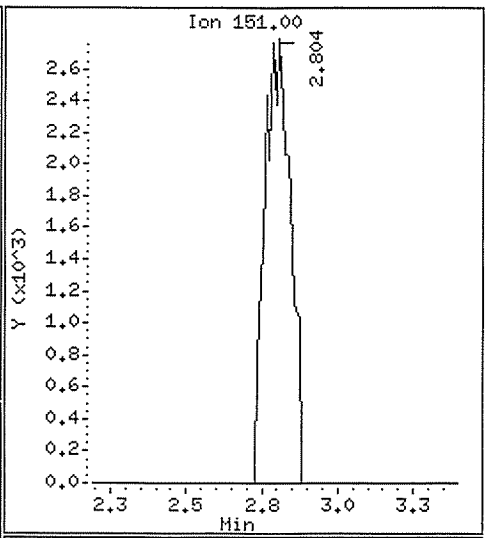
Concentration: 1.23 ug/Kg

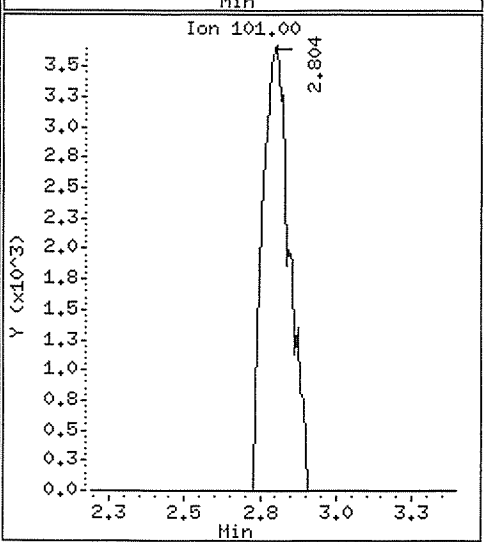


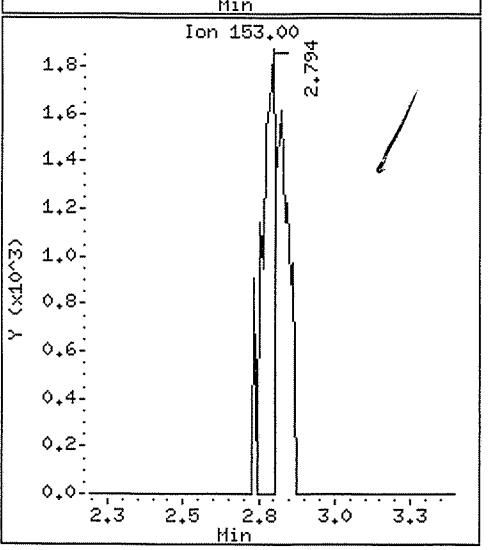












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13317.D

Date : 22-OCT-2000 14:21

Client ID: D13317

Instrument: md.i

Sample Info: DM09M1AA,,2,,0,1,0,8260BDA.M,D13317

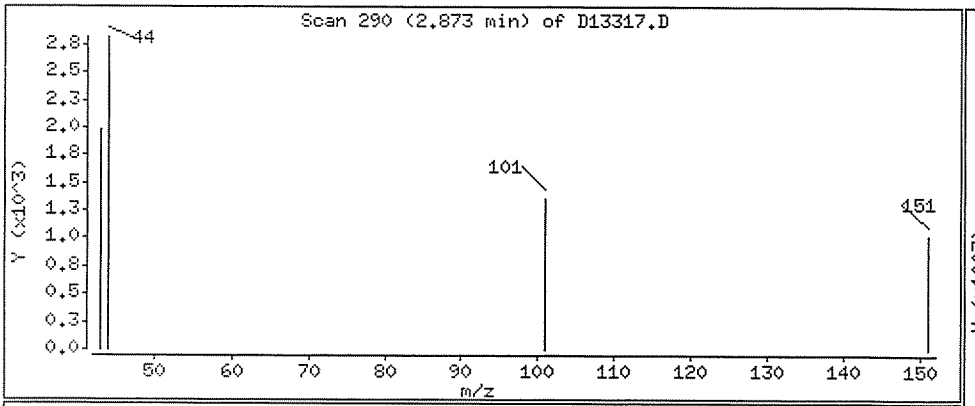
Operator: RRT

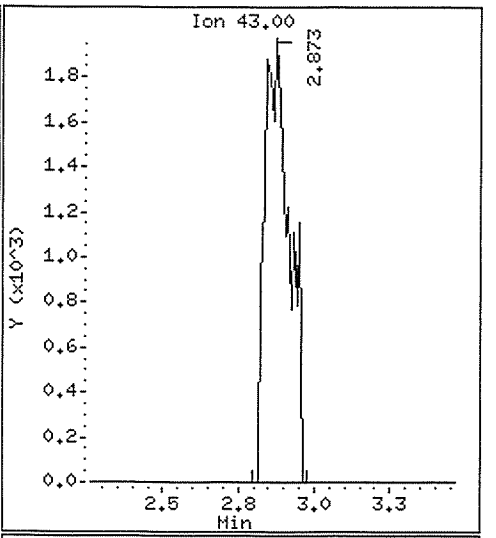
Column phase: J&W DB-624

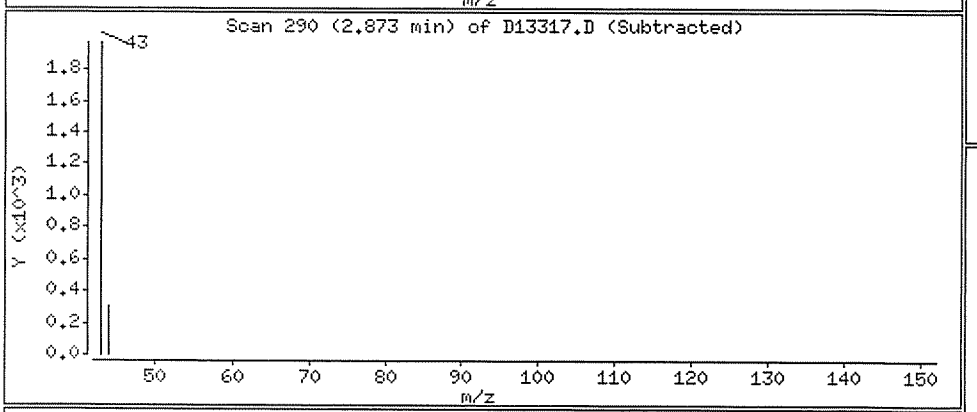
Column diameter: 0.53

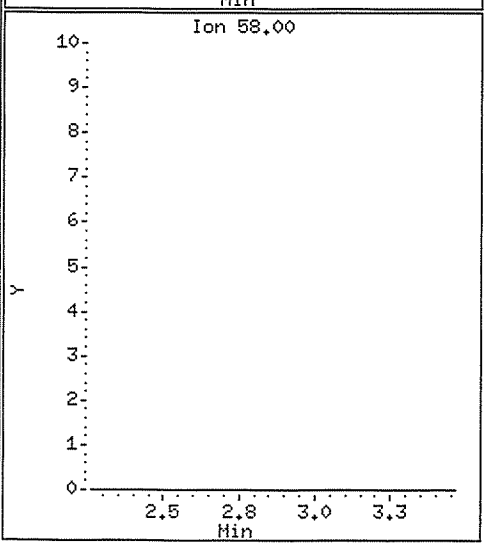
10 Acetone

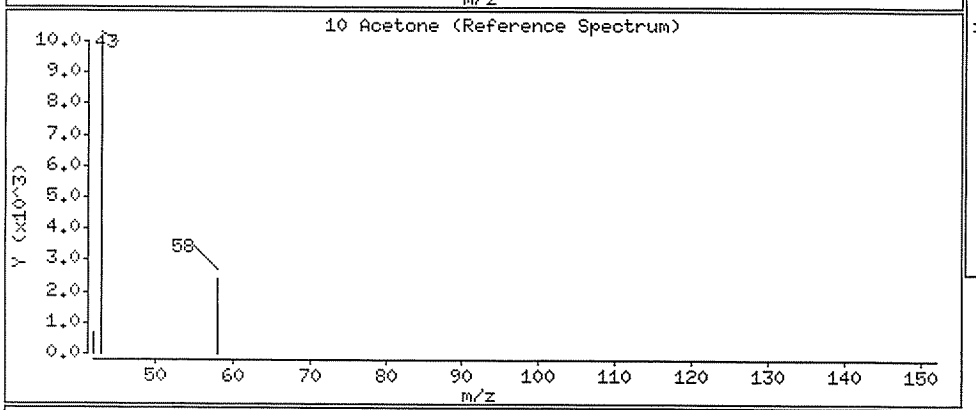
Concentration: 7.10 ug/Kg

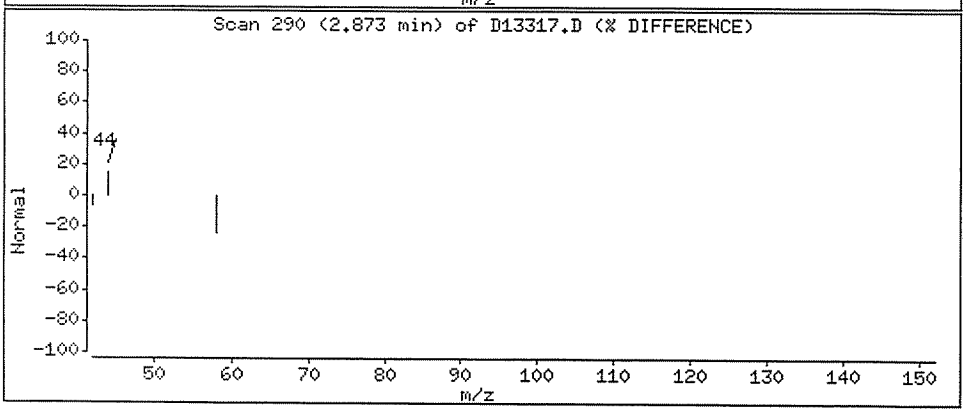












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13317.D

Date : 22-OCT-2000 14:21

Client ID: D13317

Instrument: md.i

Sample Info: DM09M1AA,,2,,0,1,0,8260BDA.M,D13317

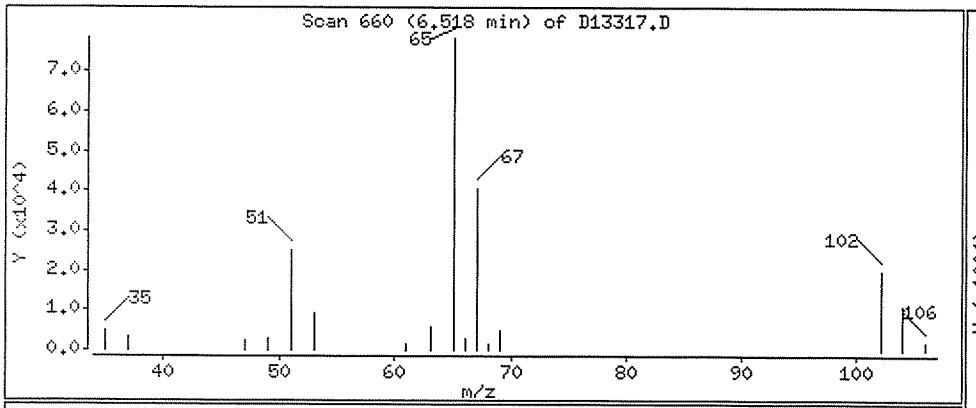
Operator: RRT

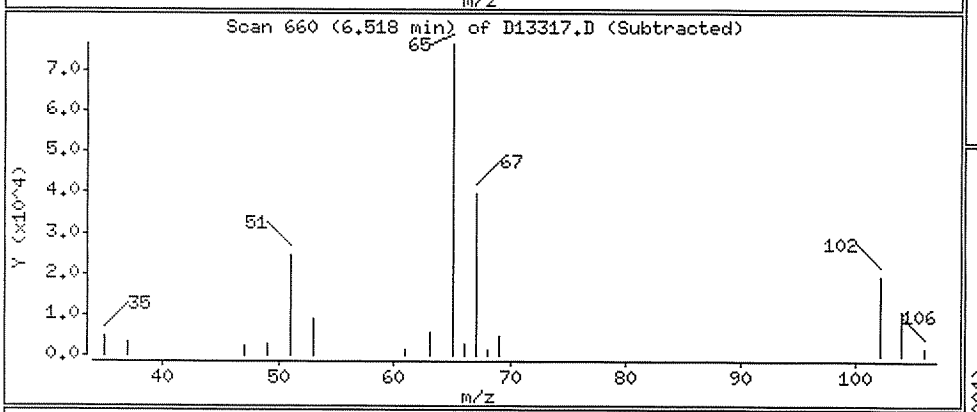
Column phase: J&W DB-624

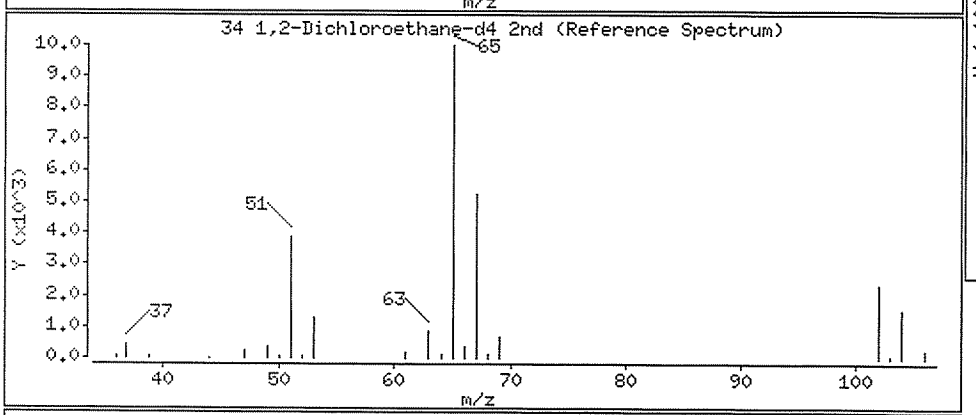
Column diameter: 0.53

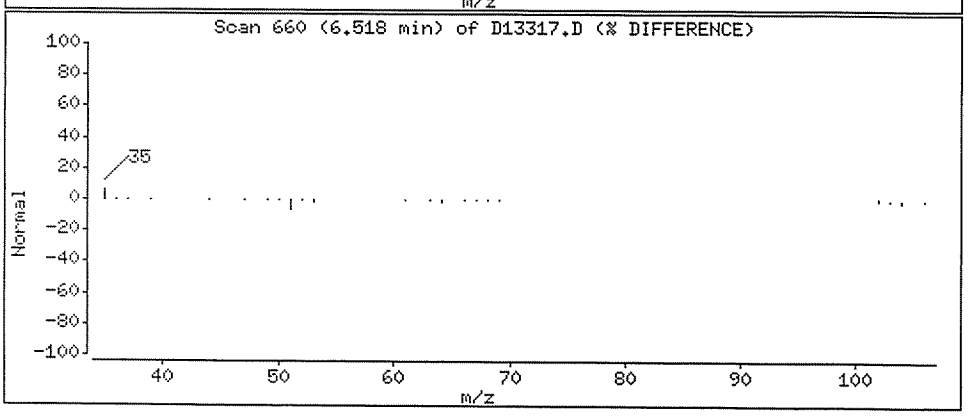
34 1,2-Dichloroethane-d4 2nd

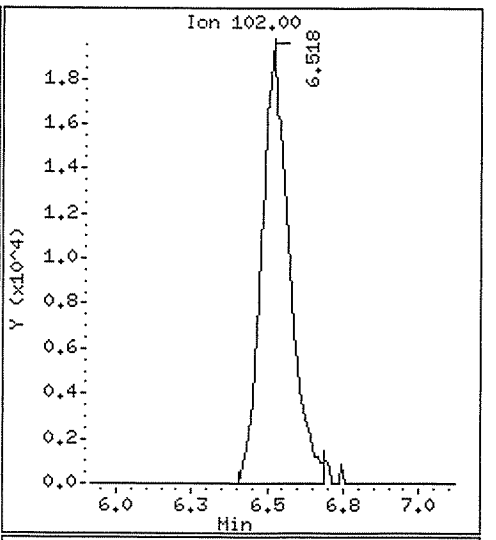
Concentration: 45.40 ug/Kg

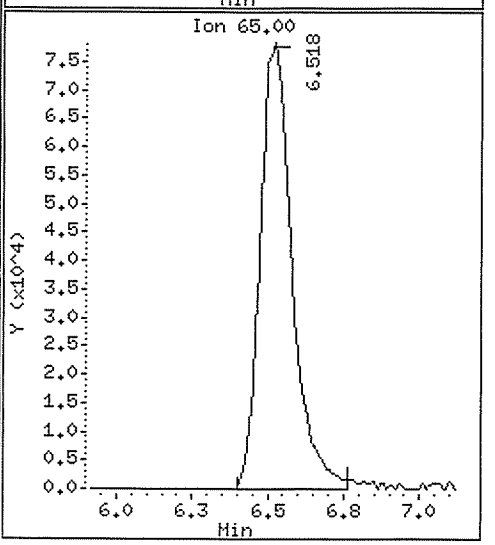












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13317.D

Date : 22-OCT-2000 14:21

Client ID: D13317

Instrument: md.i

Sample Info: DM09M1AA,,2,,0,1,0,8260BDA.M,D13317

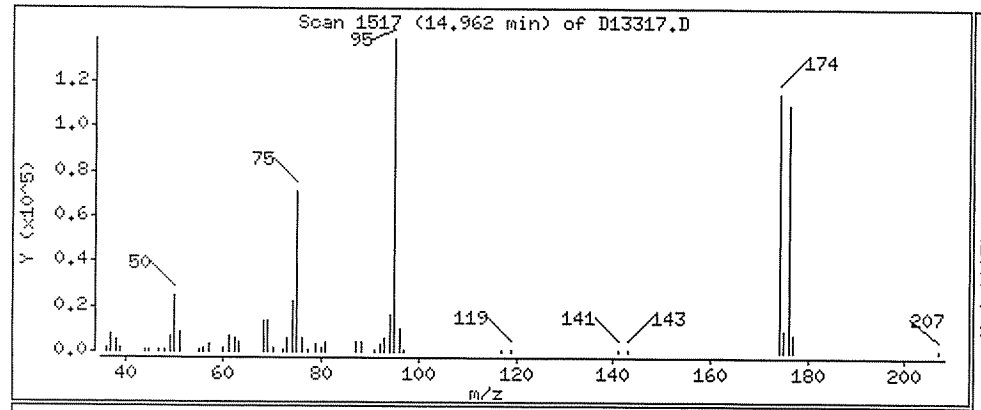
Operator: RRT

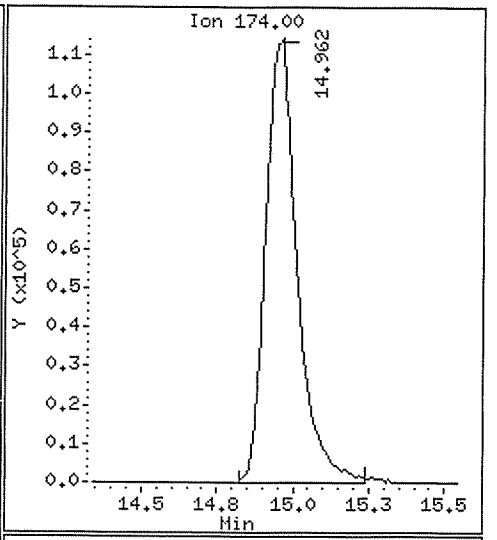
Column phase: J&W DB-624

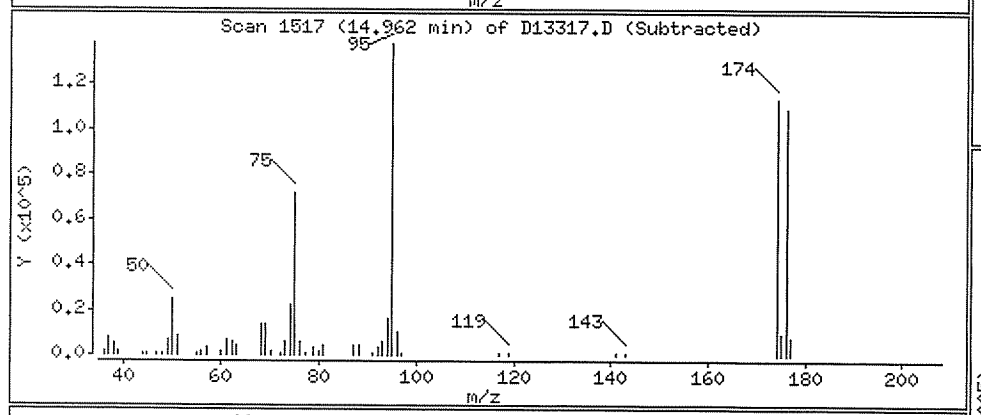
Column diameter: 0.53

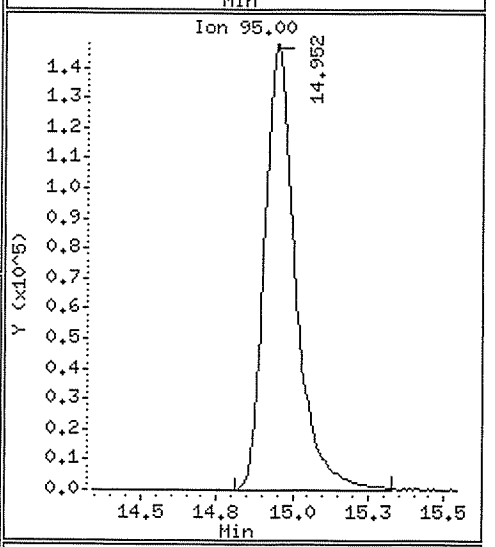
66 4-Bromofluorobenzene-2nd

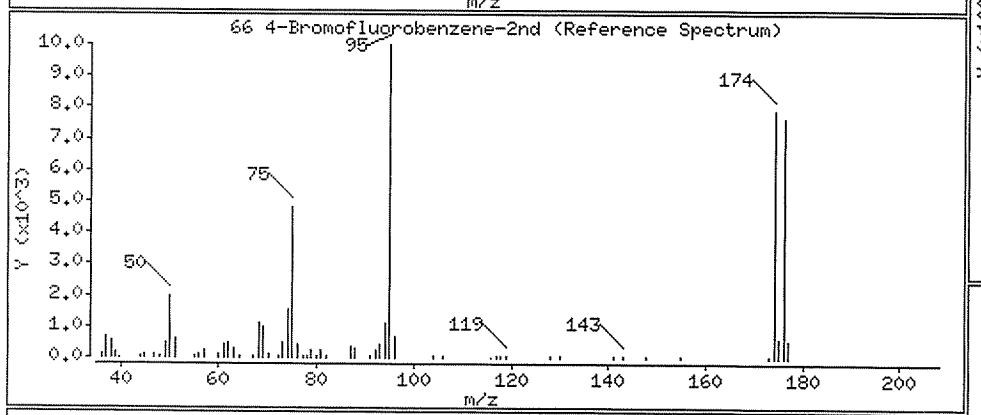
Concentration: 47.18 ug/Kg

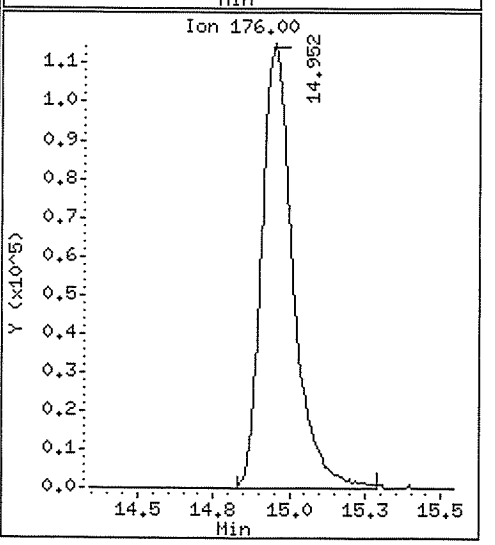


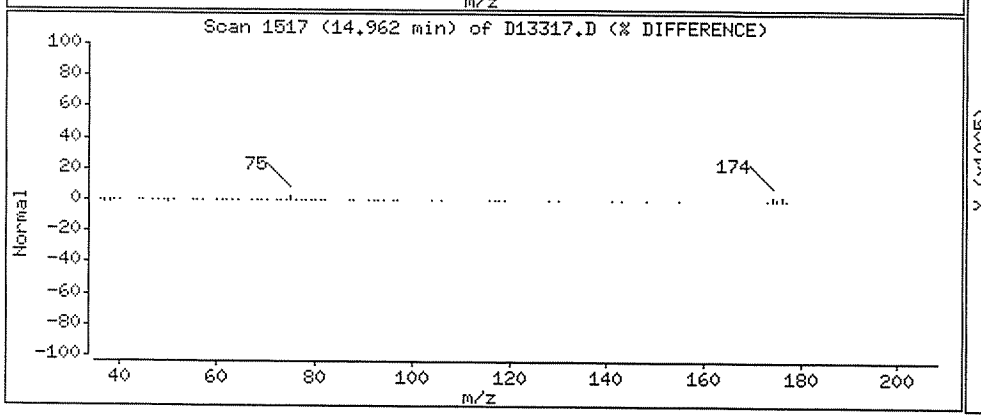












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13317.D

Date : 22-OCT-2000 14:21

Client ID: D13317

Instrument: md.i

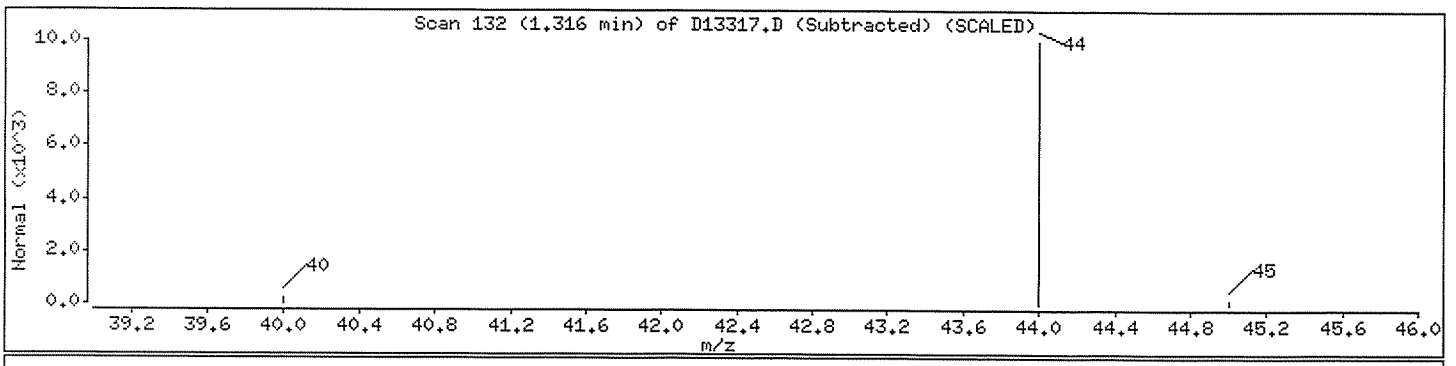
Sample Info: DM09M1AA,,2,,0,1,0,8260BDA.M,D13317

Operator: RRT

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\1022AD.B\D13318.D
Lab Smp Id: DM09P1AA Client Smp ID: D13318
Inj Date : 22-OCT-2000 14:53
Operator : RRT Inst ID: md.i
Smp Info : DM09P1AA,,2,,0,1,0,8260BDA.M,D13318
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.854	2.865	(0.402)	10364	6.52888	6.53
$ 29 Dibromofluoromethane	111	5.987	5.969	(0.843)	954387	46.7929	46.79
$ 33 1,2-Dichloroethane-d4	65	6.519	6.511	(0.918)	584157	42.4318	42.43
34 1,2-Dichloroethane-d4 2nd	102	6.529	6.521	(0.920)	116007	41.7672	41.77
* 38 Fluorobenzene	96	7.100	7.082	(1.000)	1433924	50.0000	
$ 47 Toluene-d8	98	9.918	9.910	(0.787)	1321951	44.2921	44.29
* 56 Chlorobenzene-d5	117	12.608	12.599	(1.000)	1289268	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.953	14.944	(0.866)	863742	46.6436	46.64
$ 67 4-Bromofluorobenzene	95	14.943	14.944	(0.866)	1090667	44.1289	44.13
* 79 1,4-Dichlorobenzene-d4	152	17.258	17.259	(1.000)	929989	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\1022AD.B\D13318.D
Lab Smp Id: DM09P1AA Client Smp ID: D13318
Inj Date : 22-OCT-2000 14:53
Operator : RRT Inst ID: md.i
Smp Info : DM09P1AA,,2,,0,1,0,8260BDA.M,D13318
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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	7.100	3291935	50.000

	RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown	1.317	501677	7.61978070	7.62	0	CAS #:	0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM09P1AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13318
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

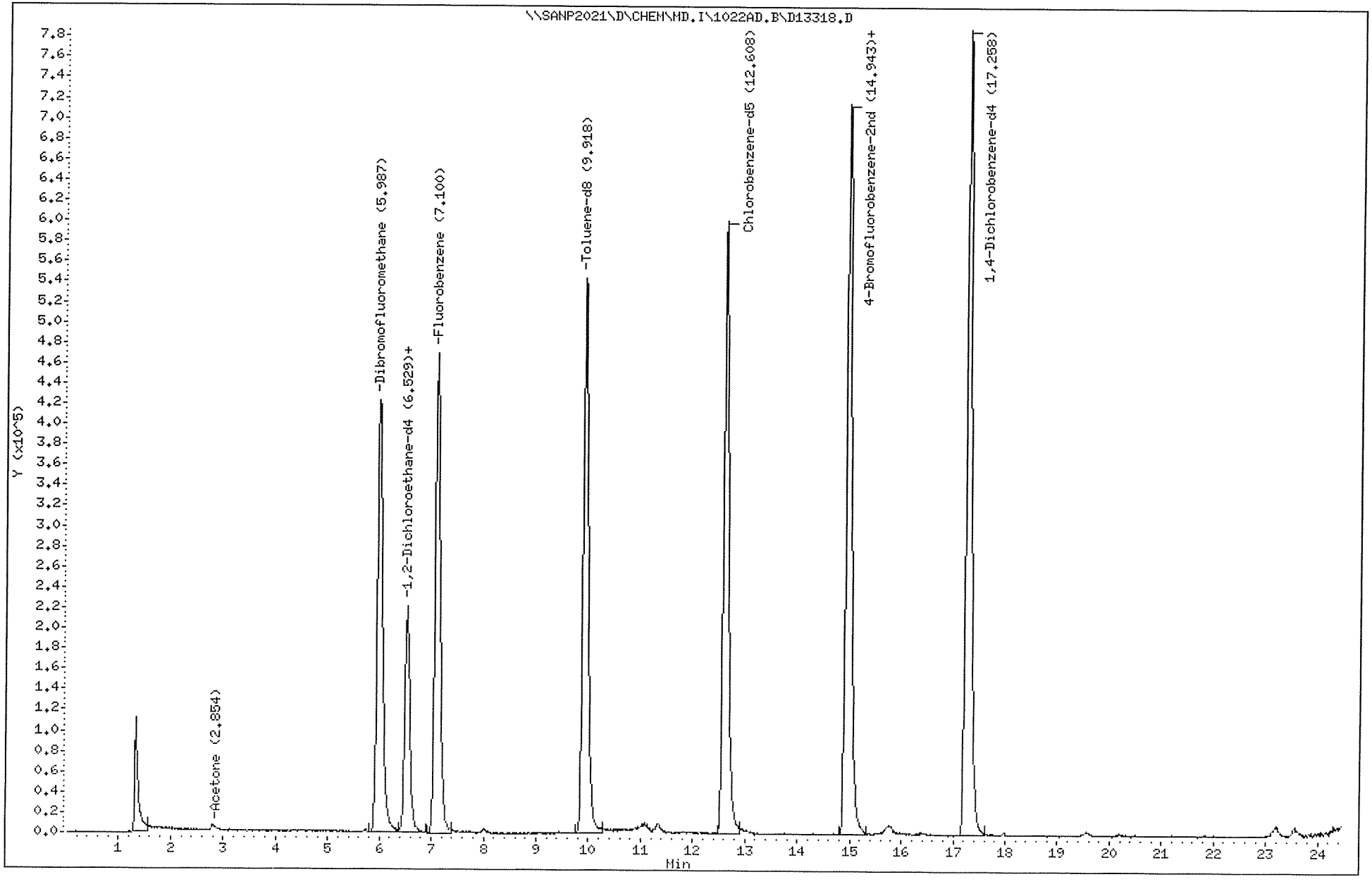
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown NO	1.317	7.62	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13318.D
Date : 22-OCT-2000 14:53
Client ID: D13318
Sample Info: DM09P1AA,,2,,0,1,0,8260BDA.M,D13318

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000507

BOE-C6-0165122

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13318.D

Date : 22-OCT-2000 14:53

Client ID: D13318

Instrument: md.i

Sample Info: DM09P1AA,,2,,0,1,0,8260BDA.M,D13318

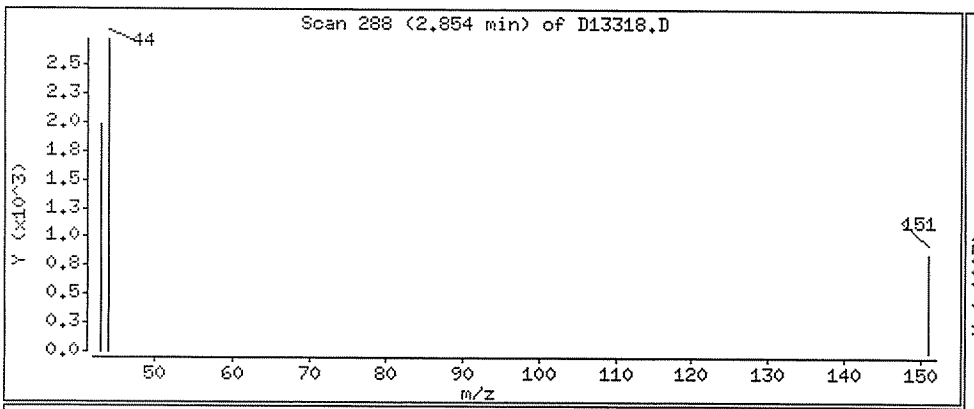
Operator: RRT

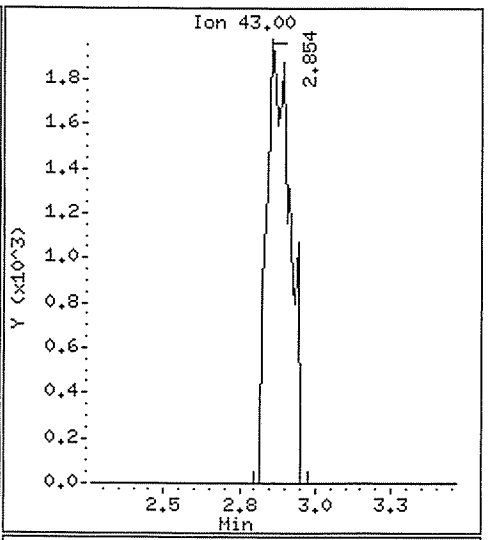
Column phase: J&W DB-624

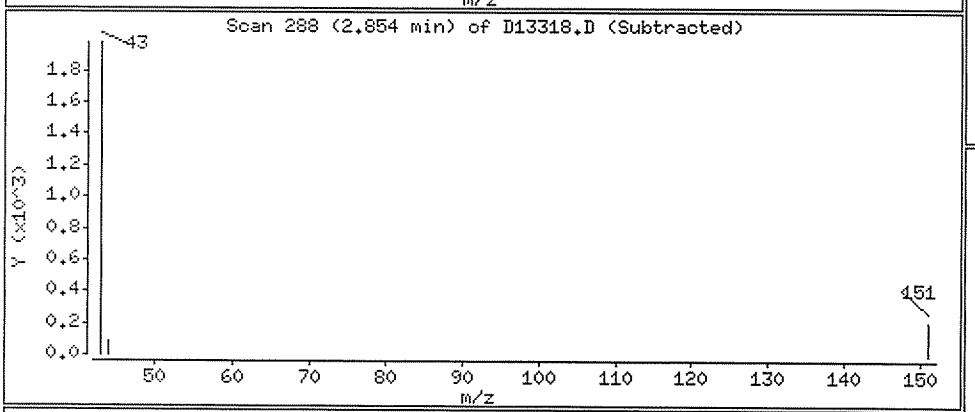
Column diameter: 0.53

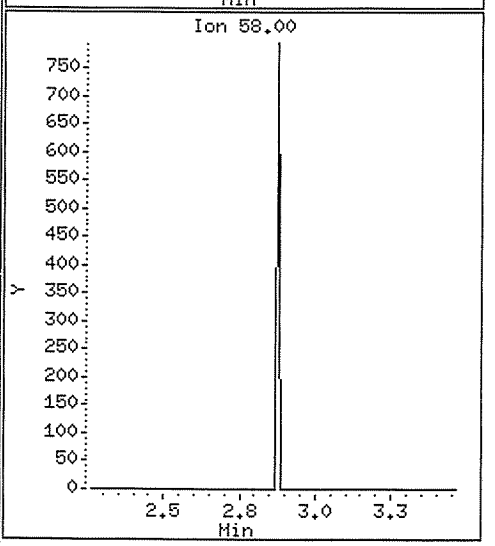
10 Acetone

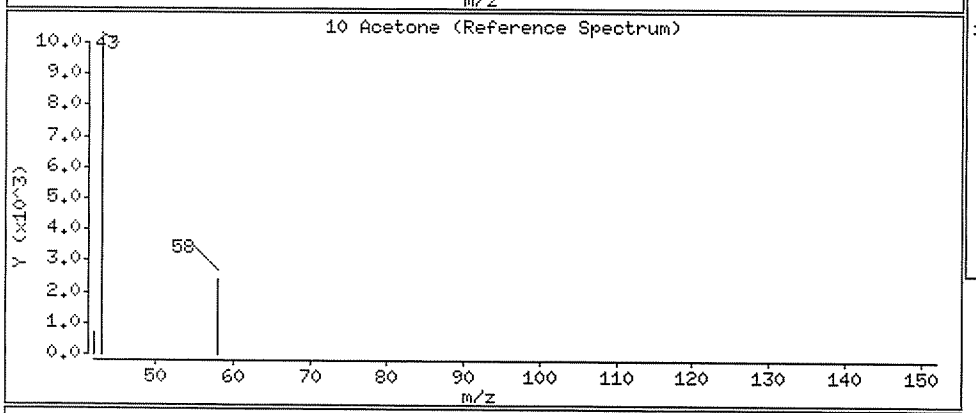
Concentration: 6.53 ug/Kg

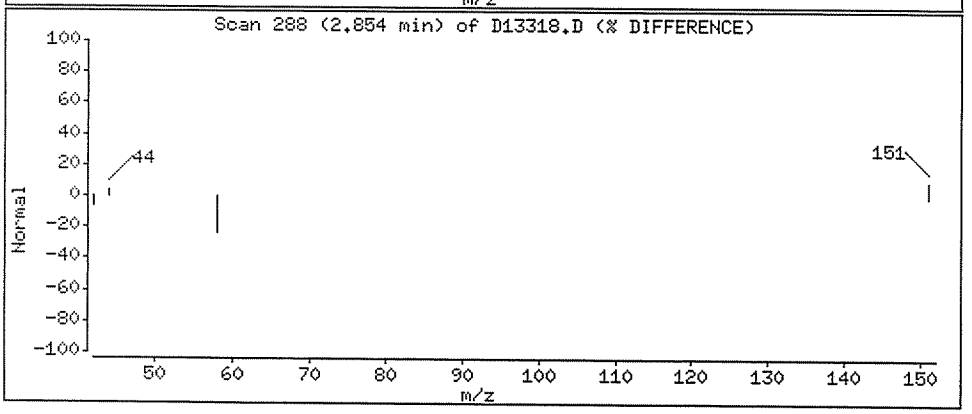












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13318.D

Date : 22-OCT-2000 14:53

Client ID: D13318

Instrument: md.i

Sample Info: DM09P1AA,,2,,0,1,0,8260BDA.M,D13318

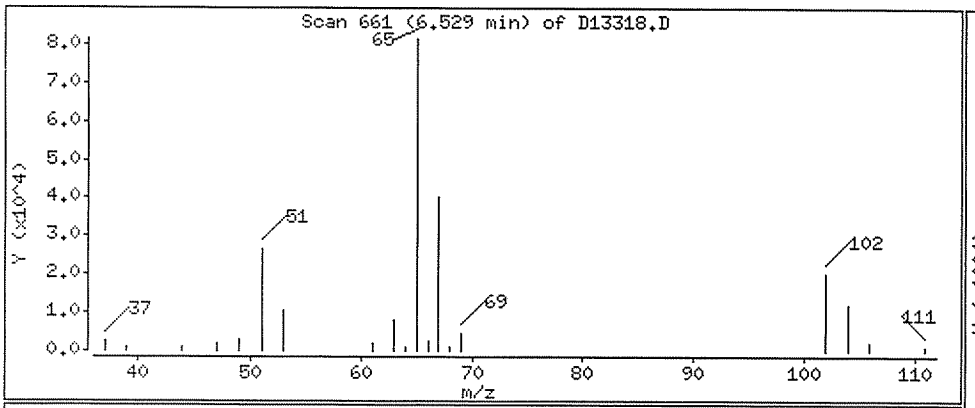
Operator: RRT

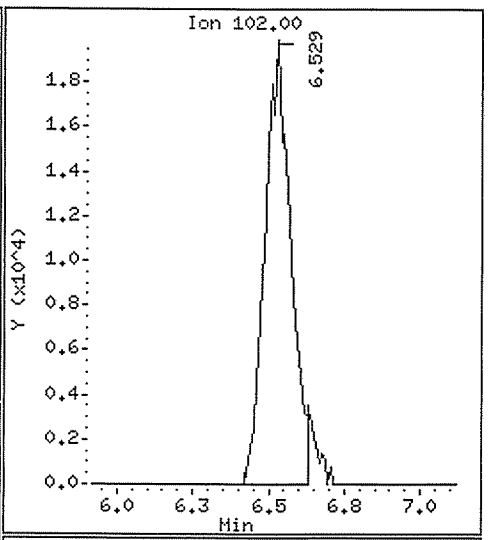
Column phase: J&W DB-624

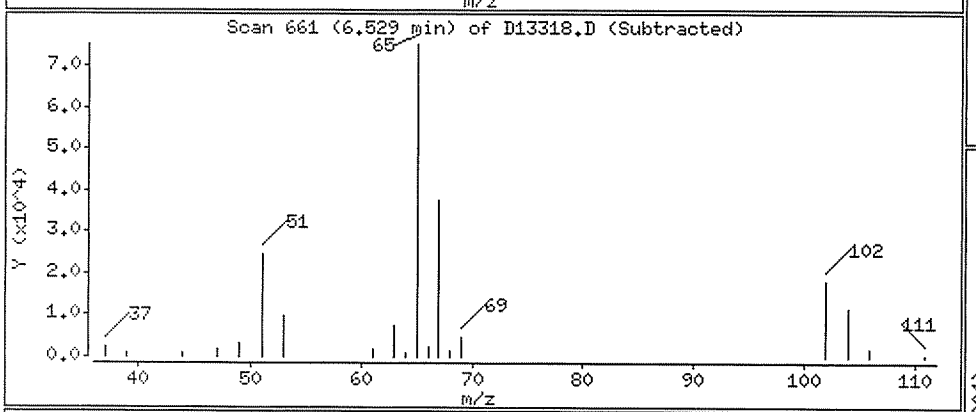
Column diameter: 0.53

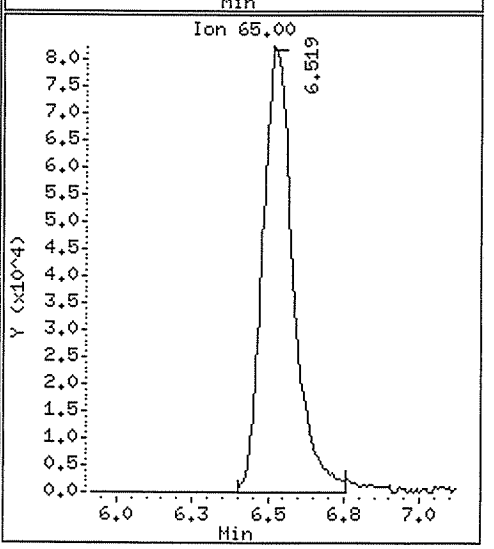
34 1,2-Dichloroethane-d4 2nd

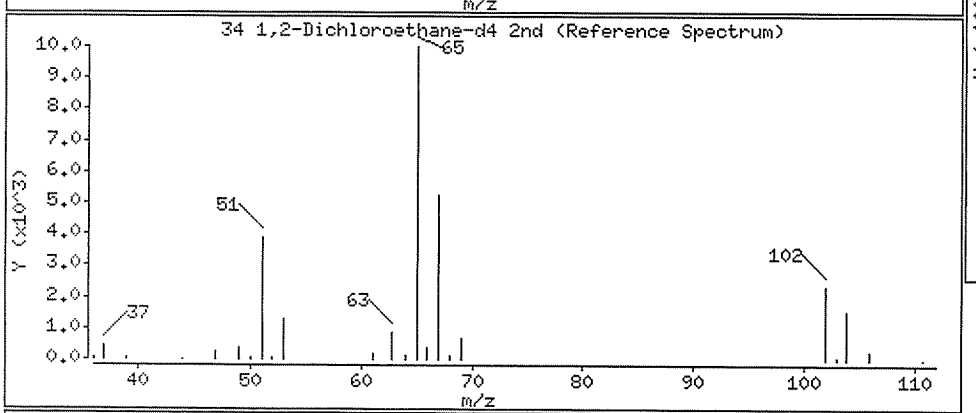
Concentration: 41.77 ug/Kg

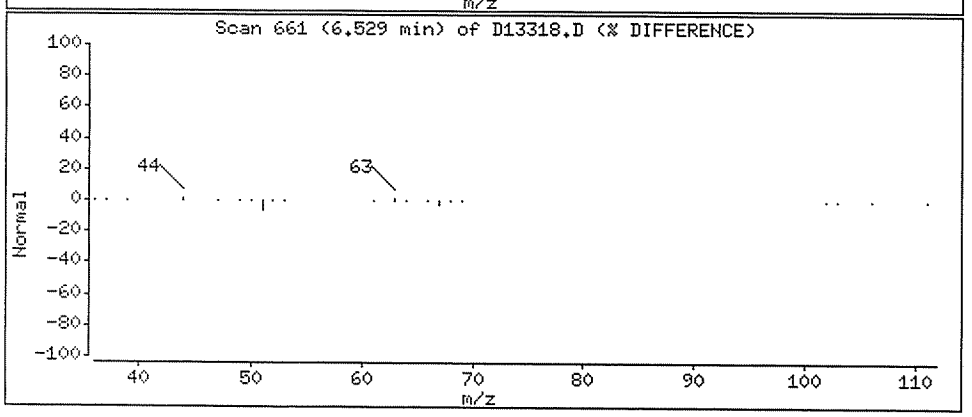












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13318.D

Date : 22-OCT-2000 14:53

Client ID: D13318

Instrument: md.i

Sample Info: DM09P1AA,,2,,0,1,0,8260BDA.M,D13318

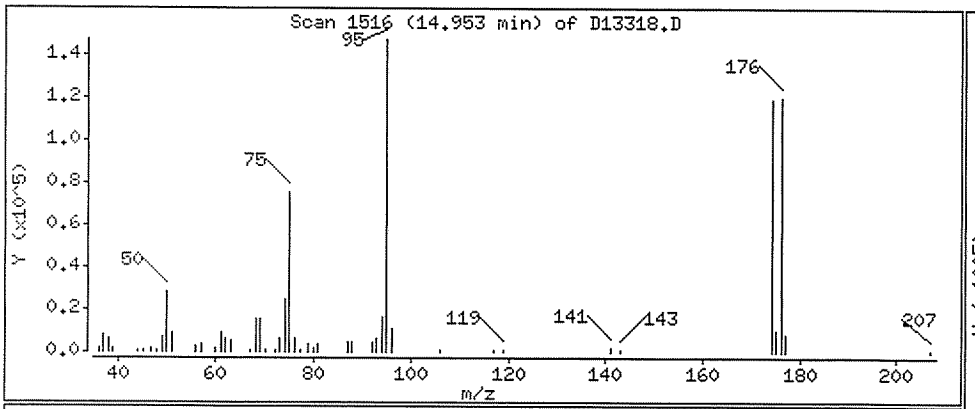
Operator: RRT

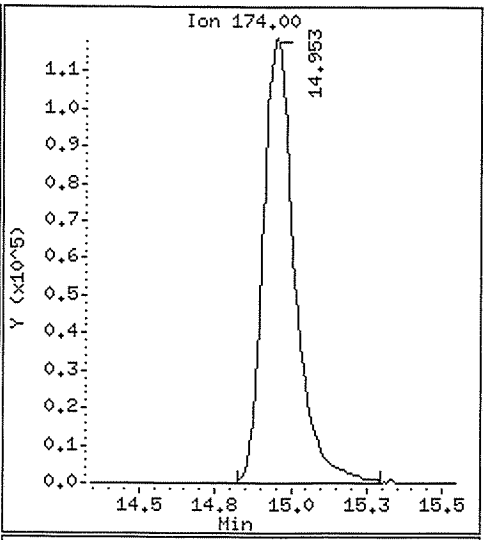
Column phase: J&W DB-624

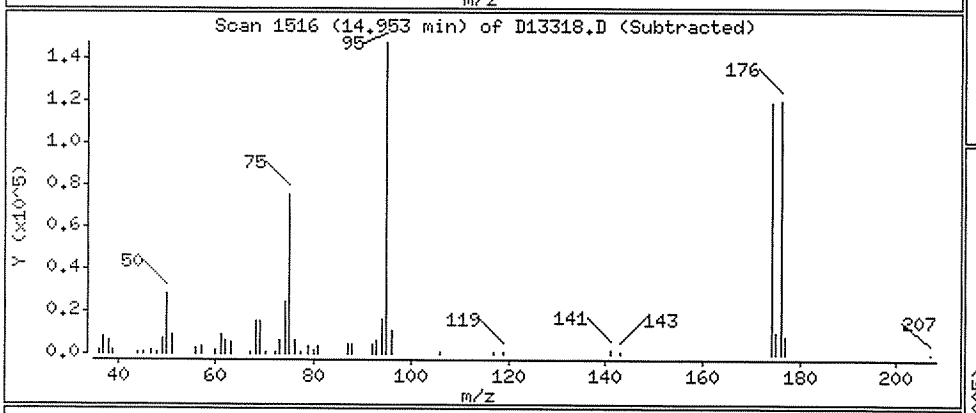
Column diameter: 0.53

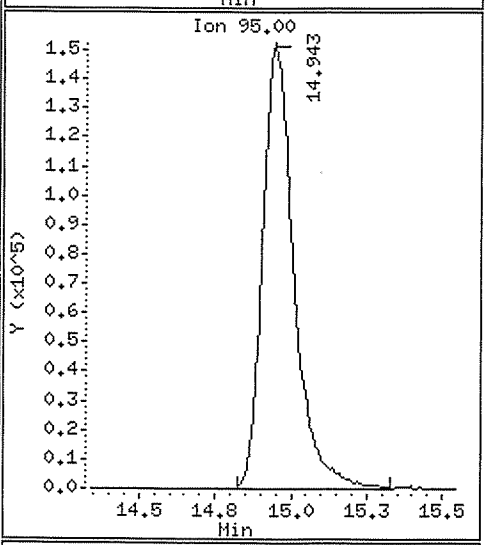
66 4-Bromofluorobenzene-2nd

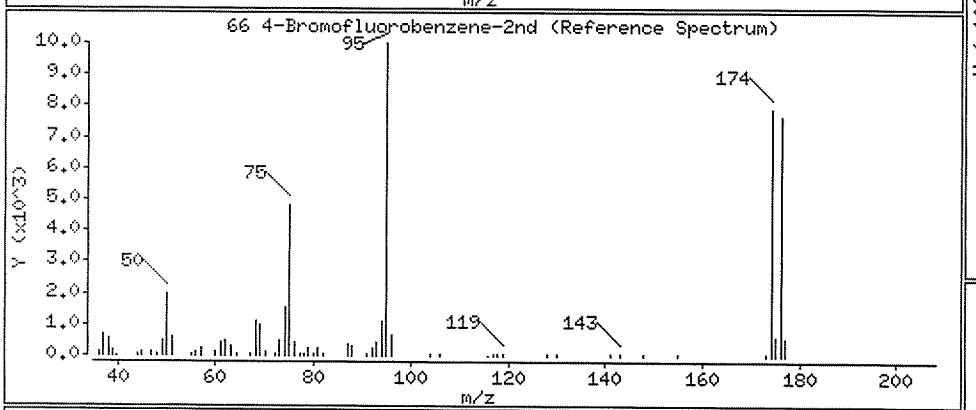
Concentration: 46.64 ug/Kg

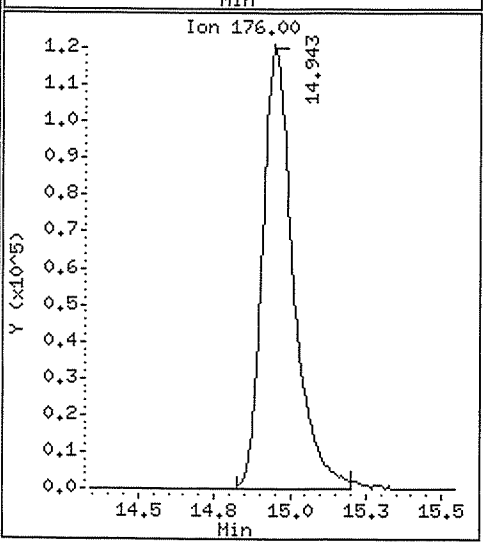


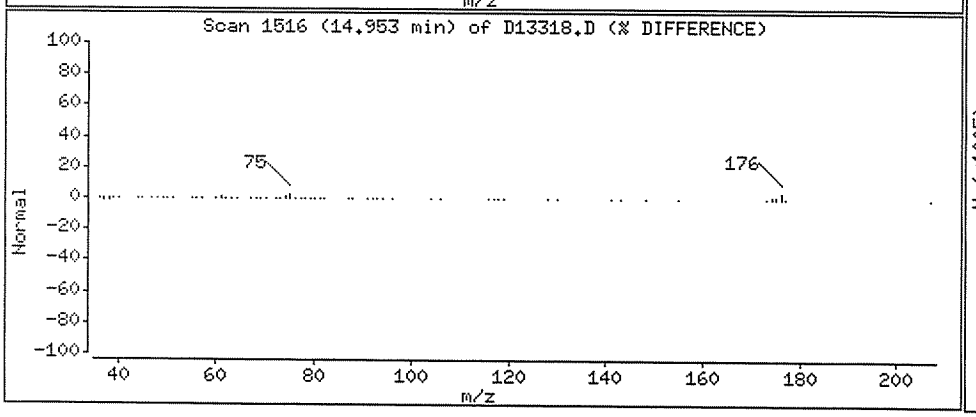












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13318.D

Date : 22-OCT-2000 14:53

Client ID: D13318

Instrument: md.i

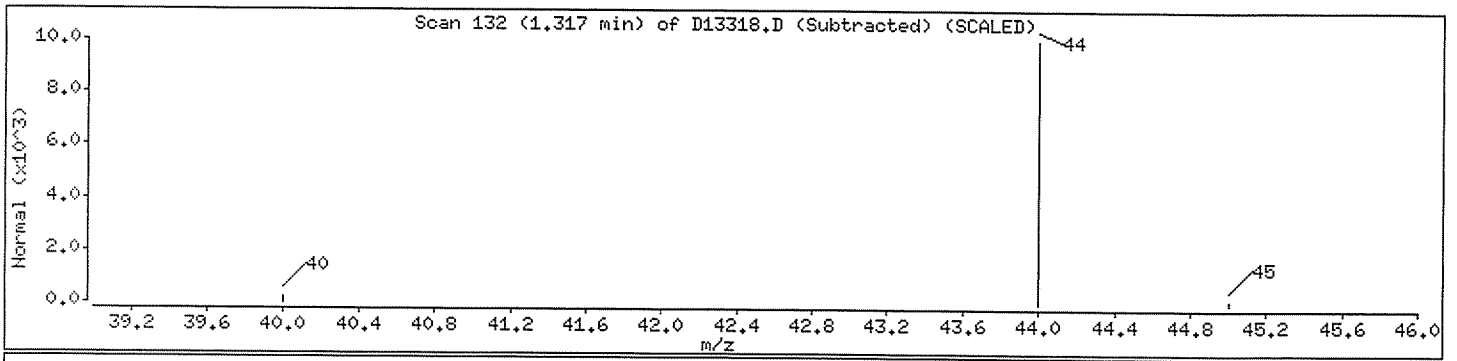
Sample Info: DM09P1AA,,2,,0,1,0,8260BDA.M,D13318

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

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



20

000511

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\D13319.D
Lab Smp Id: DM09Q1AA Client Smp ID: D13319
Inj Date : 22-OCT-2000 15:25
Operator : RRT Inst ID: md.i
Smp Info : DM09Q1AA,,2,,0,1,0,8260BDA.M,D13319
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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	5.976	5.969	(0.843)	963167	46.8325	46.83
$ 33 1,2-Dichloroethane-d4	65	6.518	6.511	(0.919)	589303	42.4513	42.45
34 1,2-Dichloroethane-d4 2nd	102	6.518	6.521	(0.919)	124857	44.5815	44.58
36 1,2-Dichloroethane	62	7.099	6.649	(1.001)	20279	1.31244	1.31(aQ)
* 38 Fluorobenzene	96	7.089	7.082	(1.000)	1445891	50.0000	
$ 47 Toluene-d8	98	9.917	9.910	(0.787)	1318478	44.2387	44.24
* 56 Chlorobenzene-d5	117	12.607	12.599	(1.000)	1287436	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.942	14.944	(0.866)	864426	47.0062	47.01
$ 67 4-Bromofluorobenzene	95	14.951	14.944	(0.866)	1098417	44.7525	44.75
* 79 1,4-Dichlorobenzene-d4	152	17.257	17.259	(1.000)	923546	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\1022AD.B\D13319.D
Lab Smp Id: DM09Q1AA Client Smp ID: D13319
Inj Date : 22-OCT-2000 15:25
Operator : RRT Inst ID: md.i
Smp Info : DM09Q1AA,,2,,0,1,0,8260BDA.M,D13319
Misc Info : ,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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	7.089	3289957	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.316	499318	7.58852192	7.59	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM09Q1AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13319
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

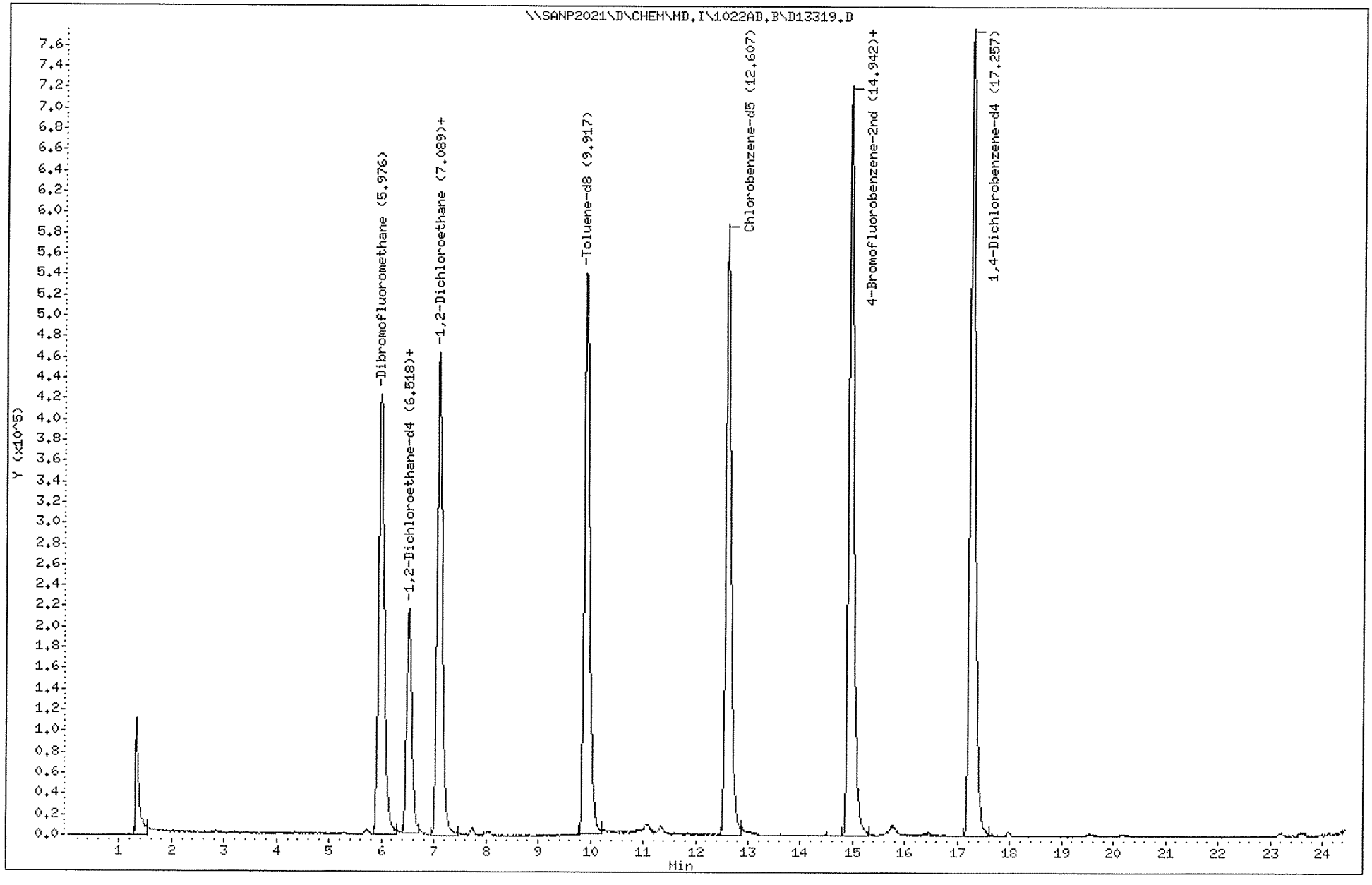
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ NO	1.316	7.59	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13319.D
Date : 22-OCT-2000 15:25
Client ID: D13319
Sample Info: DM09Q1AA,,2,,0,1,0,8260BDA.M,D13319

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000516

BOE-C6-0165131

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13319.D

Date : 22-OCT-2000 15:25

Client ID: D13319

Instrument: md.i

Sample Info: DM09Q1AA,,2,,0,1,0,8260BDA.M,D13319

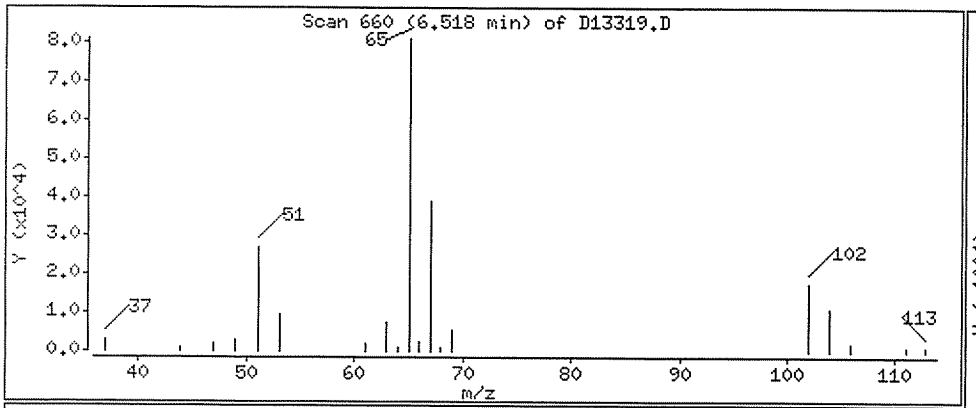
Operator: RRT

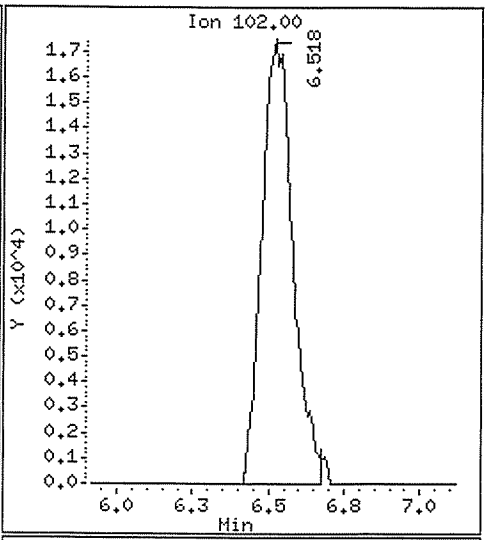
Column phase: J&W DB-624

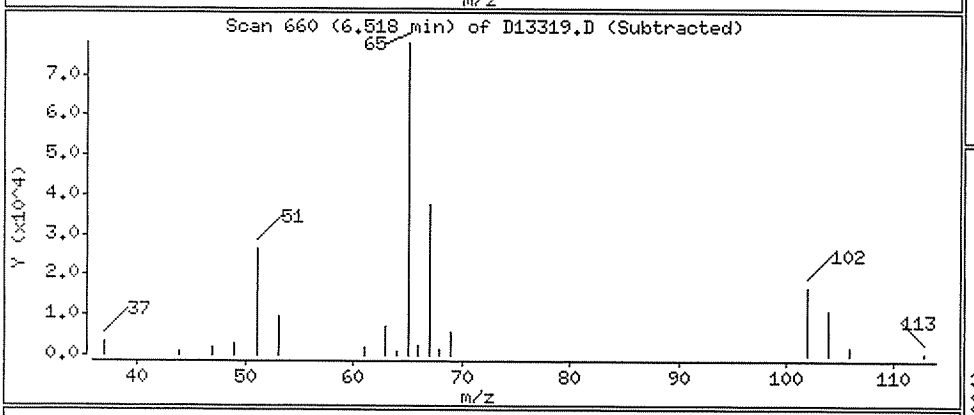
Column diameter: 0.53

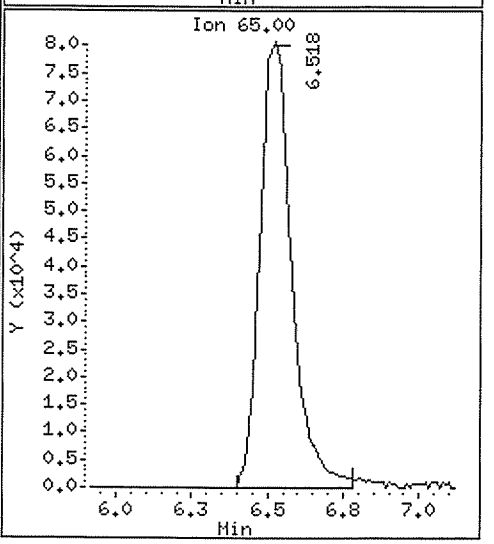
34 1,2-Dichloroethane-d4 2nd

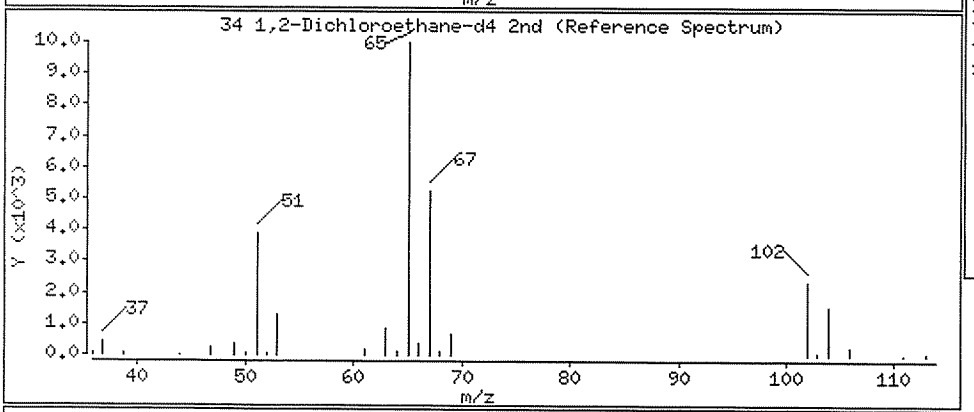
Concentration: 44.58 ug/Kg

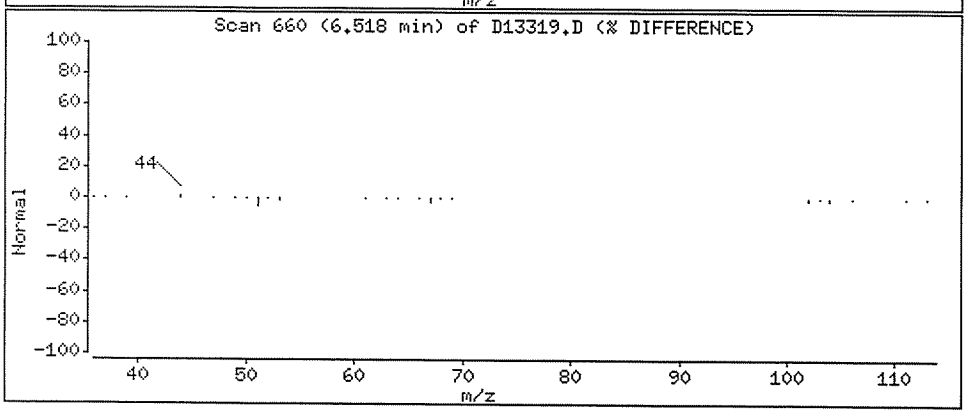












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13319.D

Date : 22-OCT-2000 15:25

Client ID: D13319

Instrument: md.i

Sample Info: DM09Q1AA,,2,,0,1,0,8260BDA.M,D13319

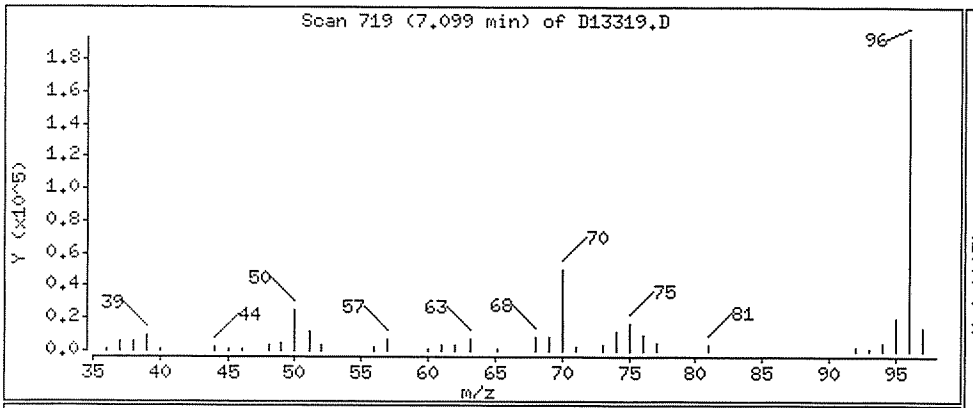
Operator: RRT

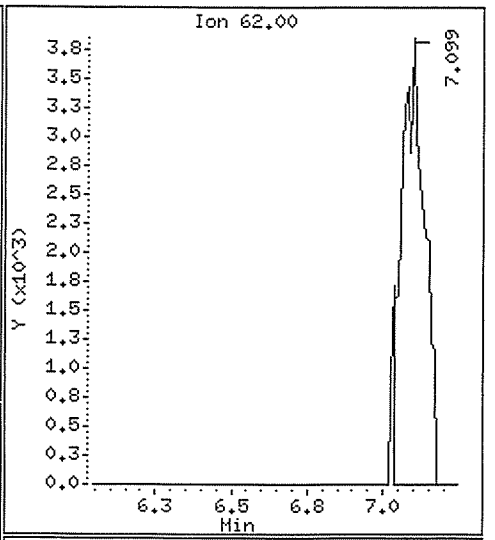
Column phase: J&W DB-624

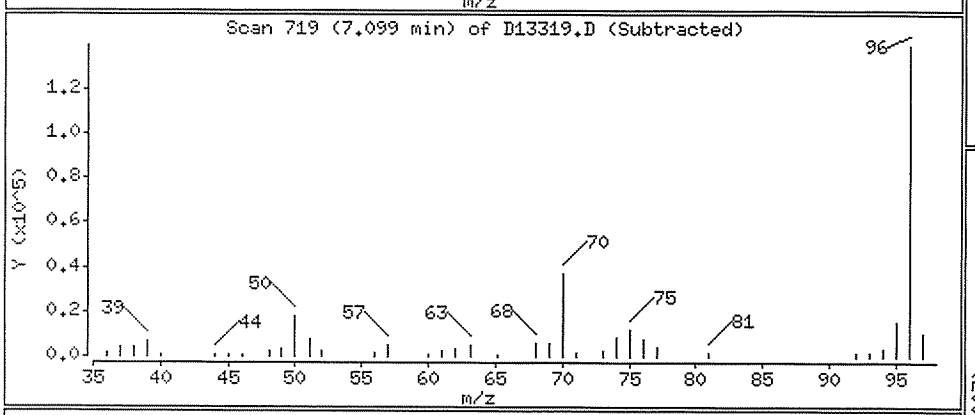
Column diameter: 0.53

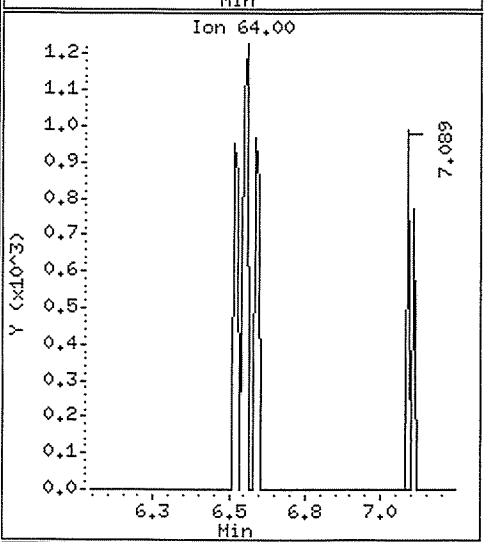
36 1,2-Dichloroethane

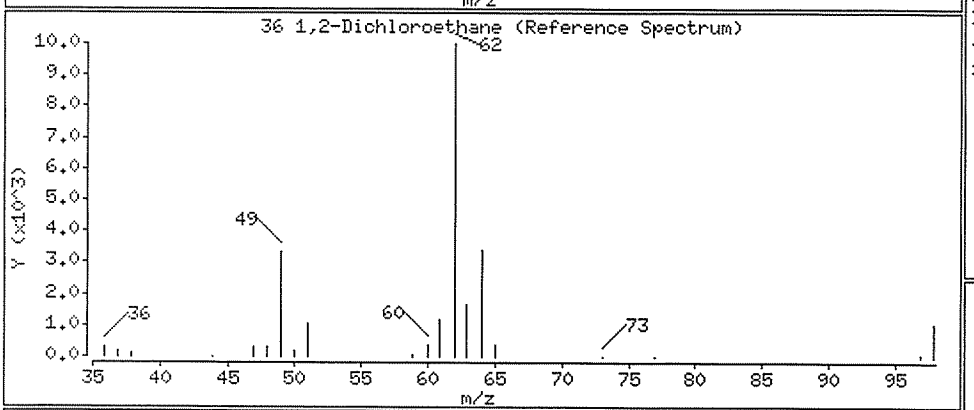
Concentration: 1.31 ug/Kg

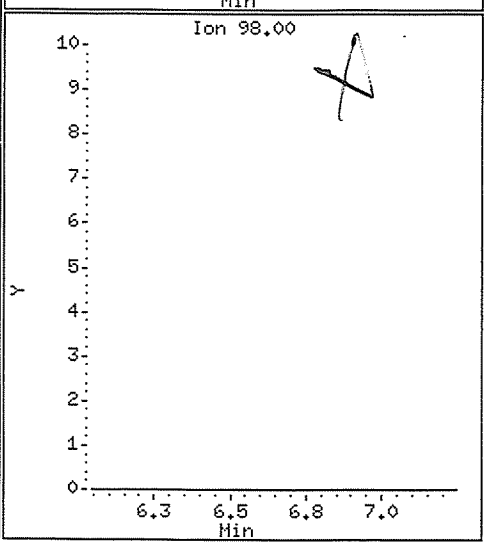


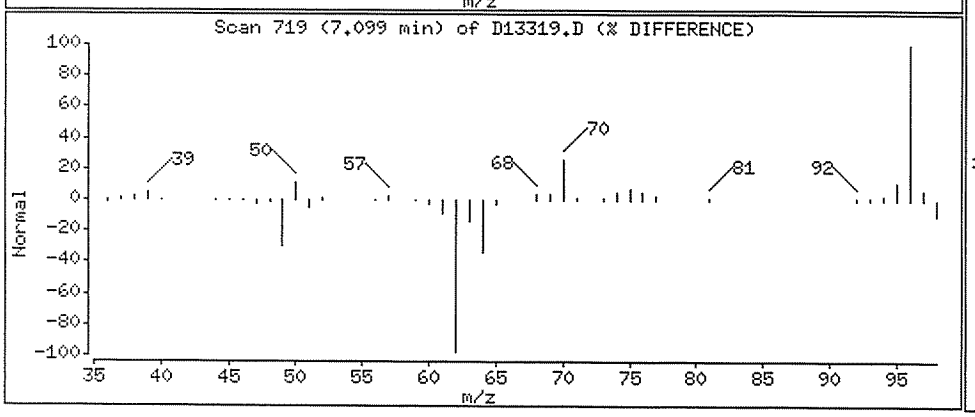












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13319.D

Date : 22-OCT-2000 15:25

Client ID: D13319

Instrument: md.i

Sample Info: DM09Q1AA,,2,,0,1,0,8260BDA.M,D13319

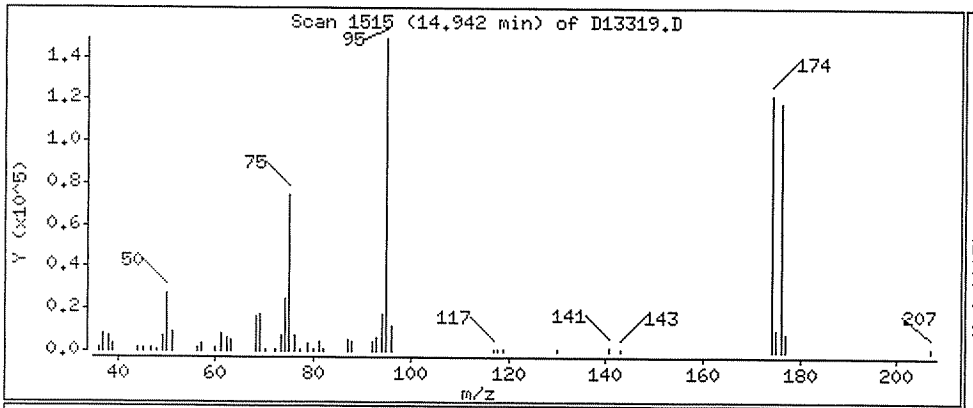
Operator: RRT

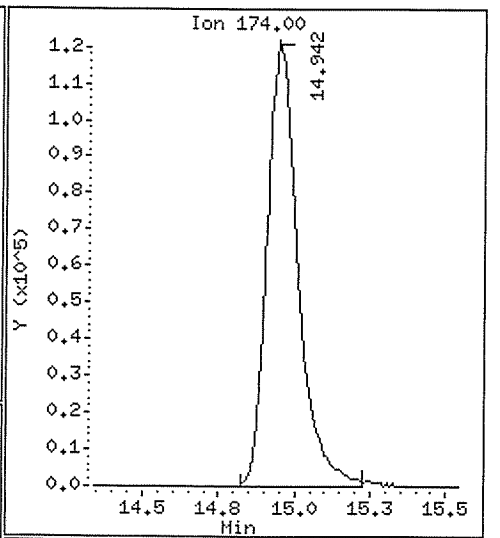
Column phase: J&W DB-624

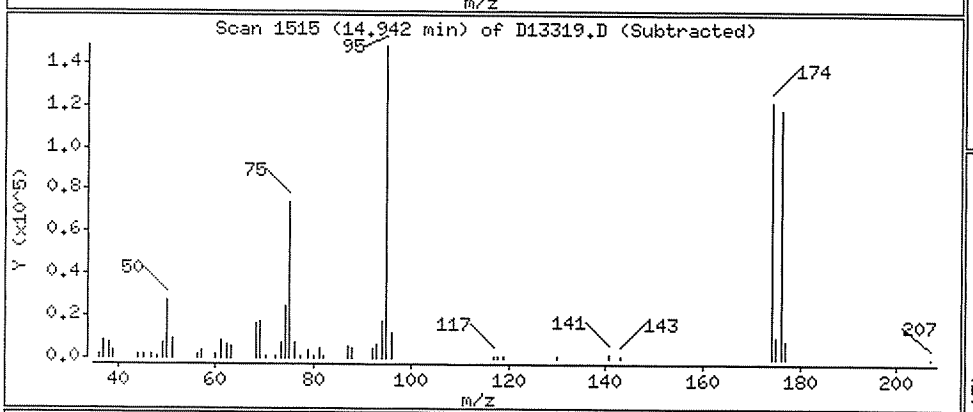
Column diameter: 0.53

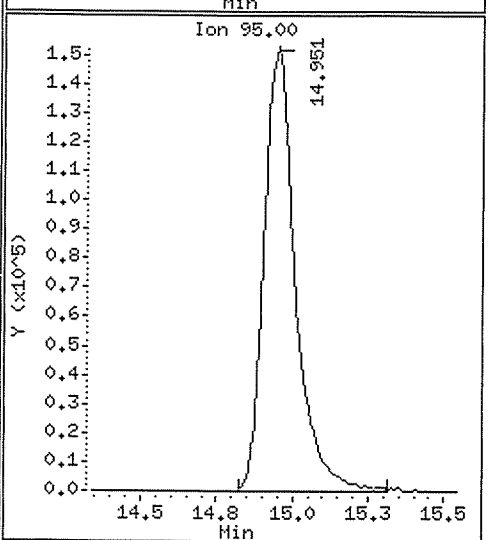
66 4-Bromofluorobenzene-2nd

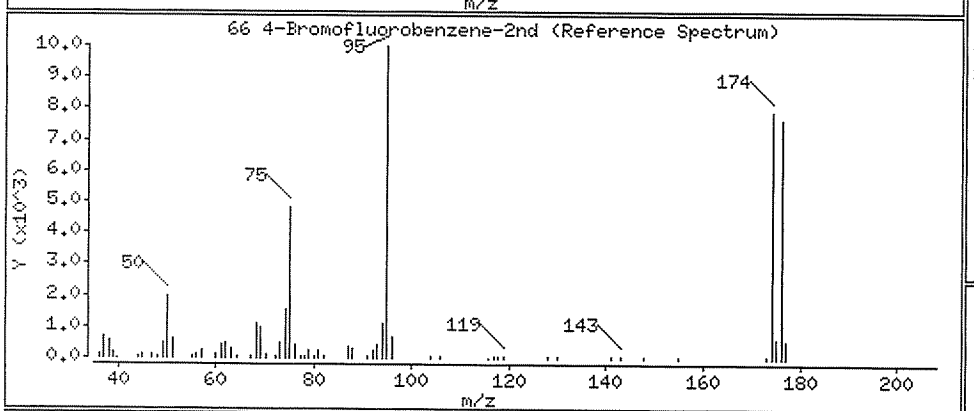
Concentration: 47.01 ug/Kg

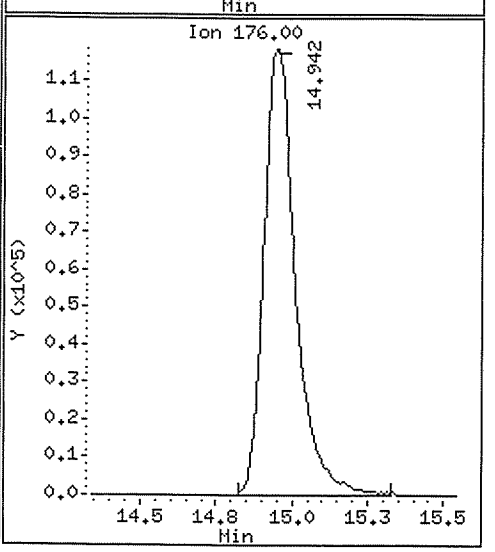


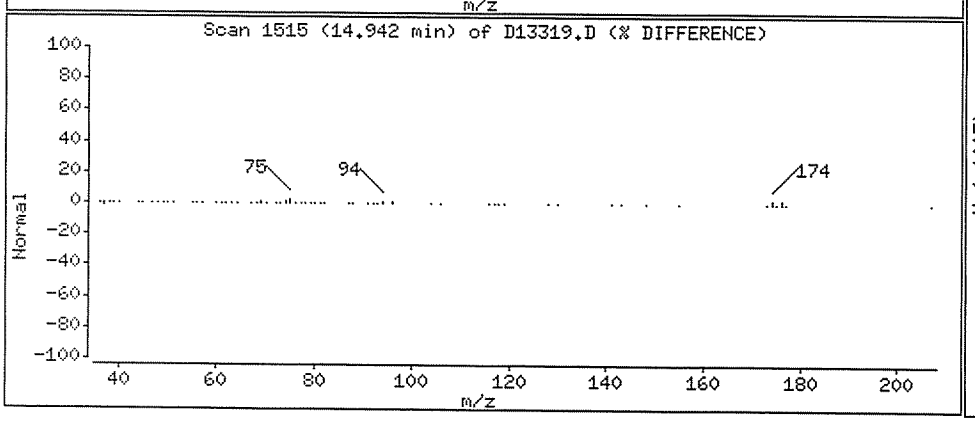












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13319.D

Date : 22-OCT-2000 15:25

Client ID: D13319

Instrument: md.i

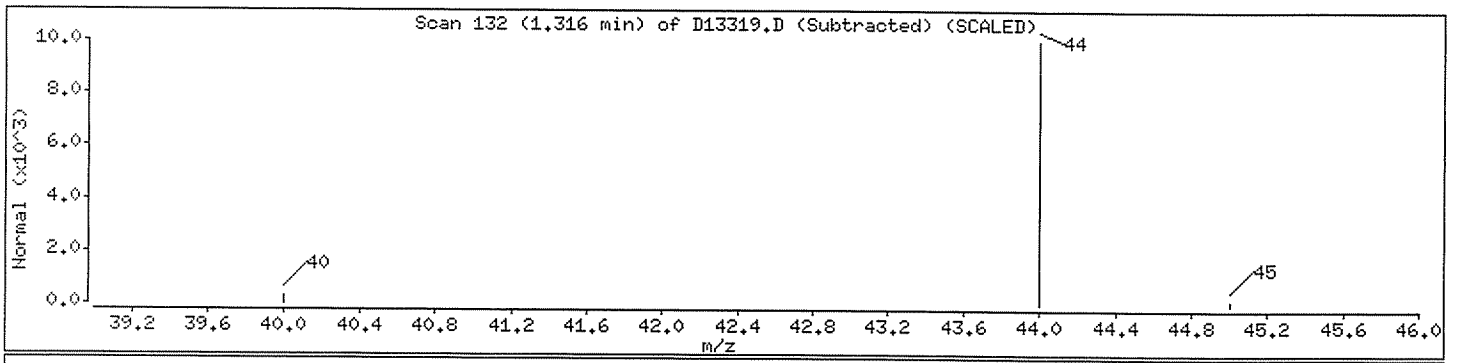
Sample Info: DM09Q1AA,,2,,0,1,0,8260BDA.M,D13319

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

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



NP

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\D13322.D
Lab Smp Id: DM09R1AC Client Smp ID: D13322
Inj Date : 22-OCT-2000 17:00
Operator : RRT Inst ID: md.i
Smp Info : DM09R1AC,,2,,0,1,0,8260BDA.M,D13322
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.863	2.865	(0.404)	12811	7.97373	7.97
$ 29 Dibromofluoromethane	111	5.977	5.969	(0.843)	938402	45.4582	45.46
$ 33 1,2-Dichloroethane-d4	65	6.519	6.511	(0.919)	583030	41.8428	41.84
34 1,2-Dichloroethane-d4 2nd	102	6.528	6.521	(0.921)	122697	43.6470	43.65
* 38 Fluorobenzene	96	7.090	7.082	(1.000)	1451303	50.0000	
$ 47 Toluene-d8	98	9.908	9.910	(0.786)	1325983	44.3840	44.38
* 56 Chlorobenzene-d5	117	12.607	12.599	(1.000)	1290524	50.0000	
$ 67 4-Bromofluorobenzene	95	14.952	14.944	(0.866)	1073616	43.6078	43.61
66 4-Bromofluorobenzene-2nd	174	14.952	14.944	(0.866)	865189	46.9034	46.90
* 79 1,4-Dichlorobenzene-d4	152	17.257	17.259	(1.000)	926389	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\1022AD.B\D13322.D
Lab Smp Id: DM09R1AC Client Smp ID: D13322
Inj Date : 22-OCT-2000 17:00
Operator : RRT Inst ID: md.i
Smp Info : DM09R1AC,,2,,0,1,0,8260BDA.M,D13322
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.090	3278694	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.317	639170	9.74733129	9.75	0		0	38

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TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM09R1AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13322
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

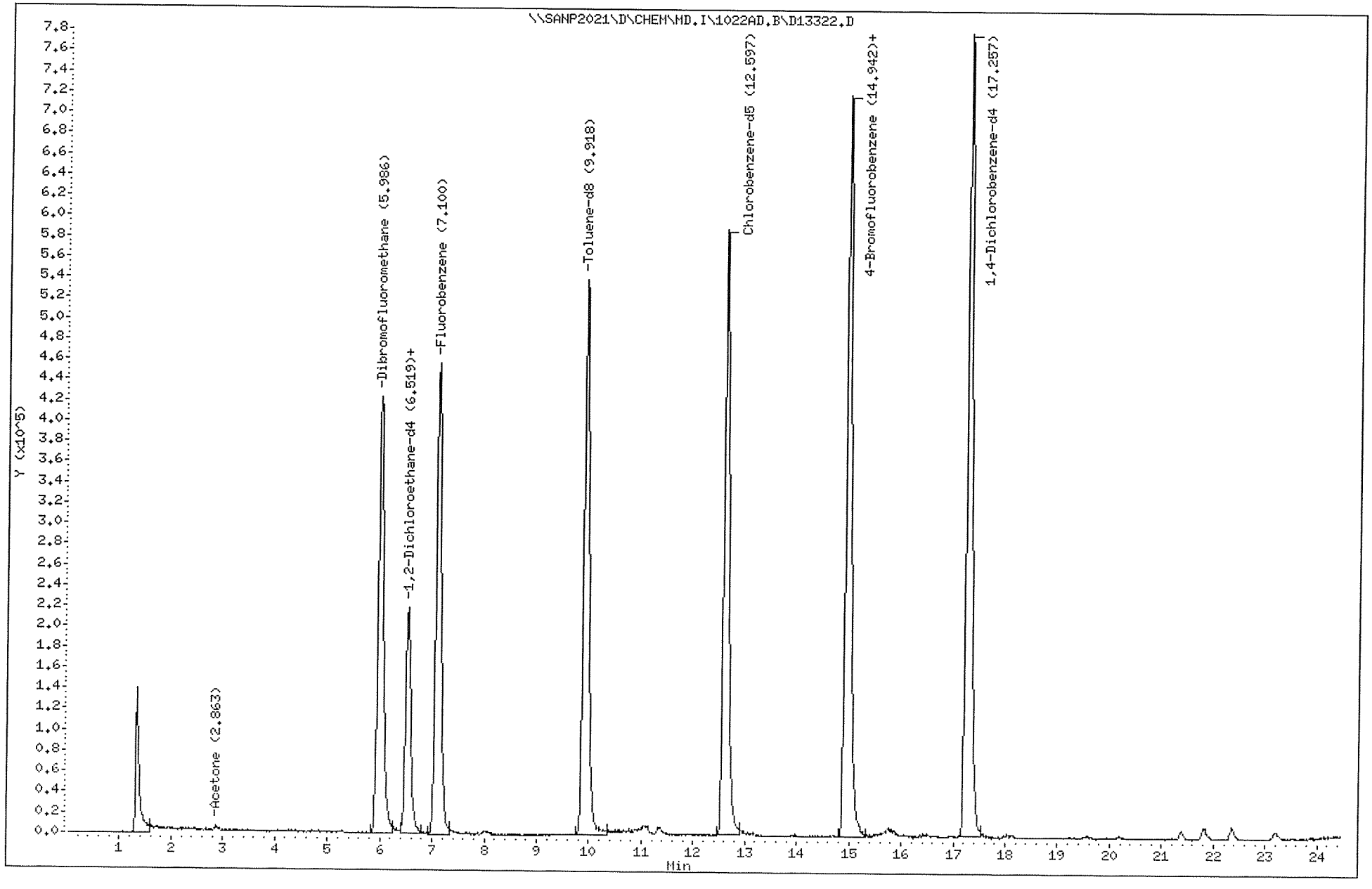
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	U~~nknown~~ NO	1.317	9.75	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13322.D
Date : 22-OCT-2000 17:00
Client ID: D13322
Sample Info: DM09R1AC,,2,,0,1,0,8260BDA.M,D13322

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000525

BOE-C6-0165140

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13322.D

Date : 22-OCT-2000 17:00

Client ID: D13322

Instrument: md.i

Sample Info: DM09R1AC,,2,,0,1,0,8260BDA.M,D13322

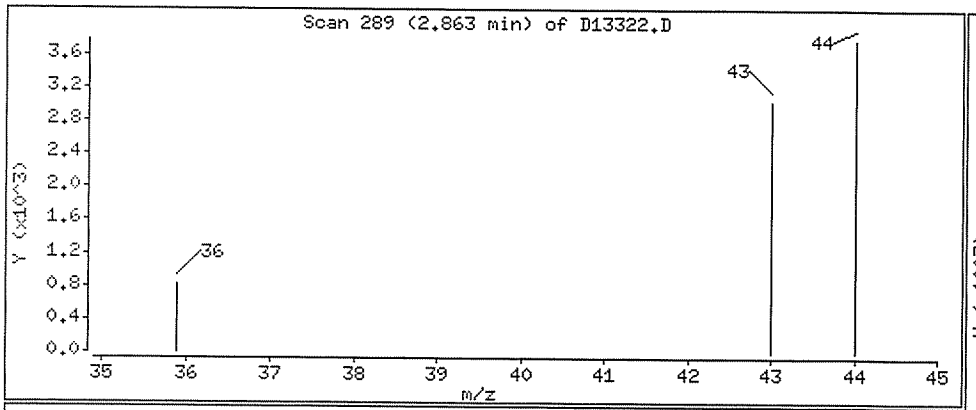
Operator: RRT

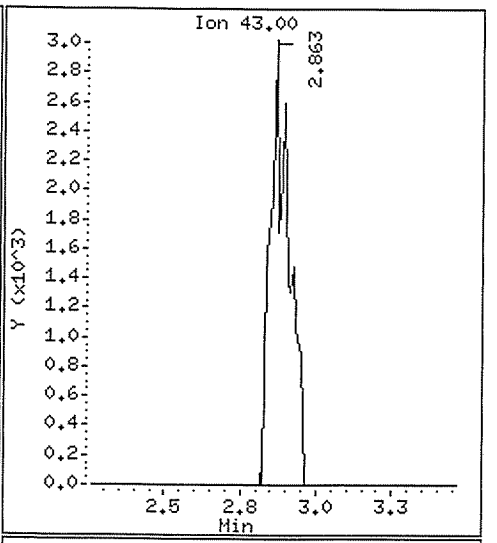
Column phase: J&W DB-624

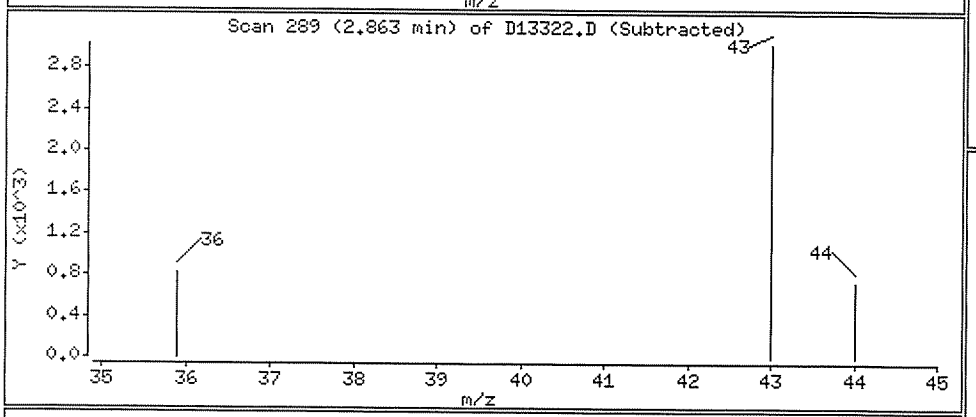
Column diameter: 0.53

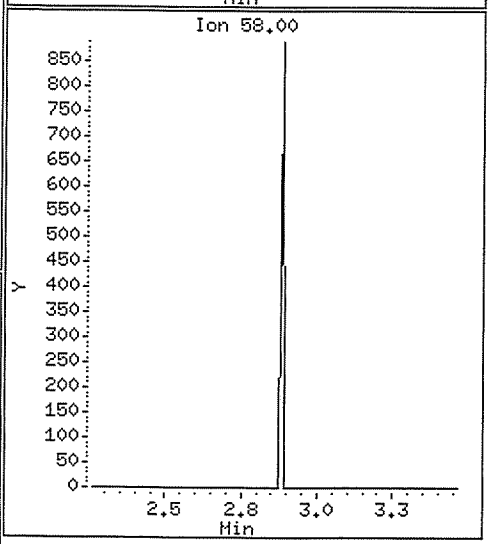
10 Acetone

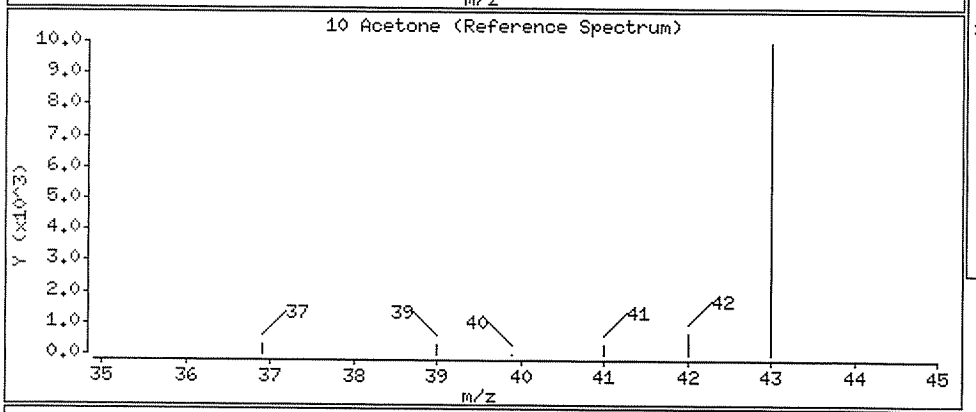
Concentration: 7.97 ug/Kg

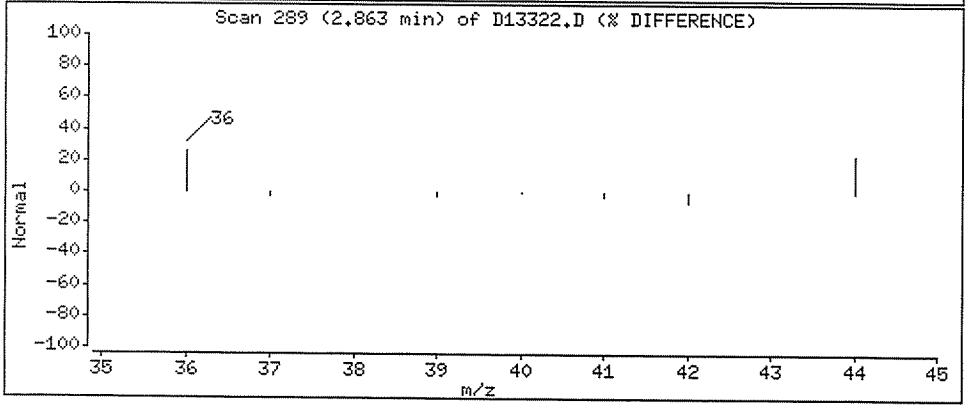












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13322.D

Date : 22-OCT-2000 17:00

Client ID: D13322

Instrument: md.i

Sample Info: DM09R1AC,,2,,0,1,0,8260BDA.M,D13322

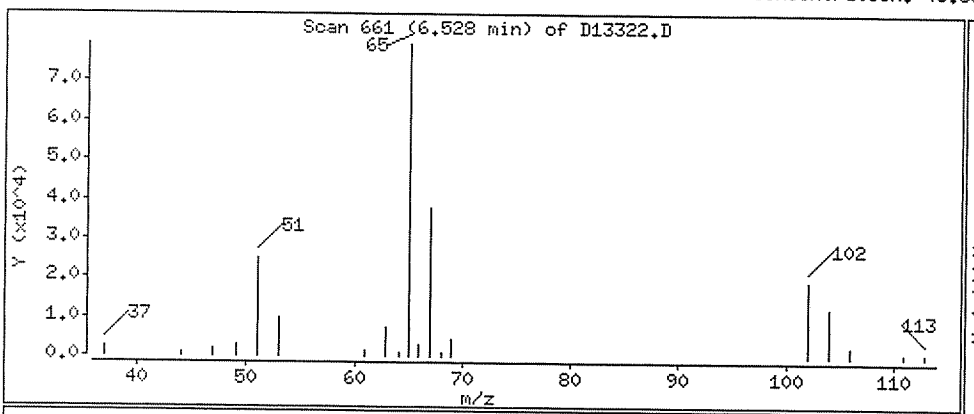
Operator: RRT

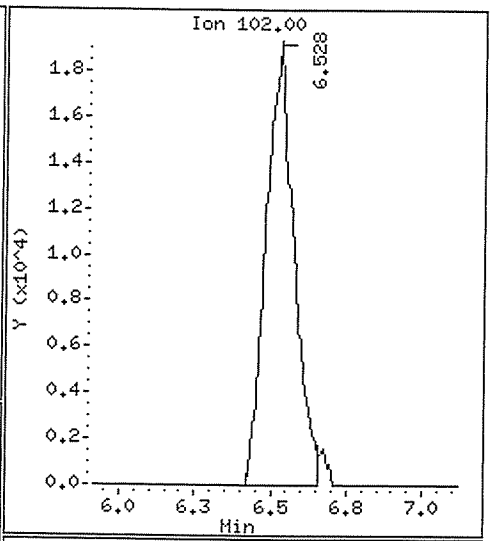
Column phase: J&W DB-624

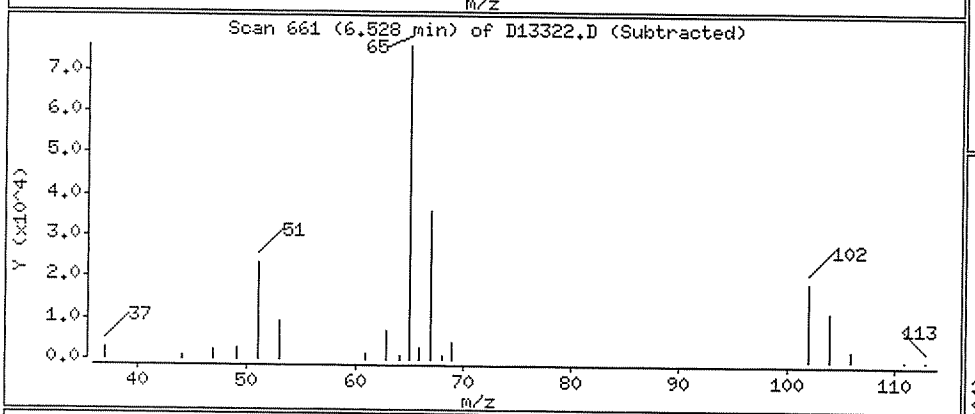
Column diameter: 0.53

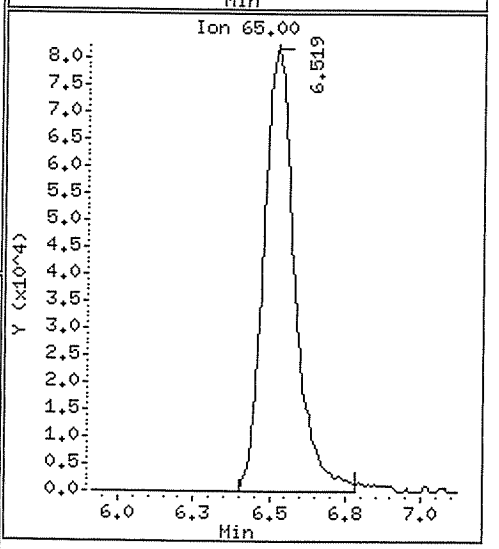
34 1,2-Dichloroethane-d4 2nd

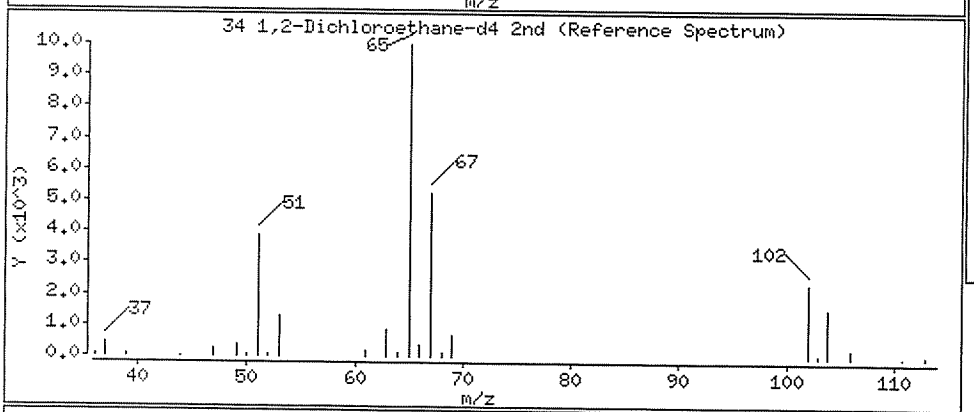
Concentration: 43.65 ug/Kg

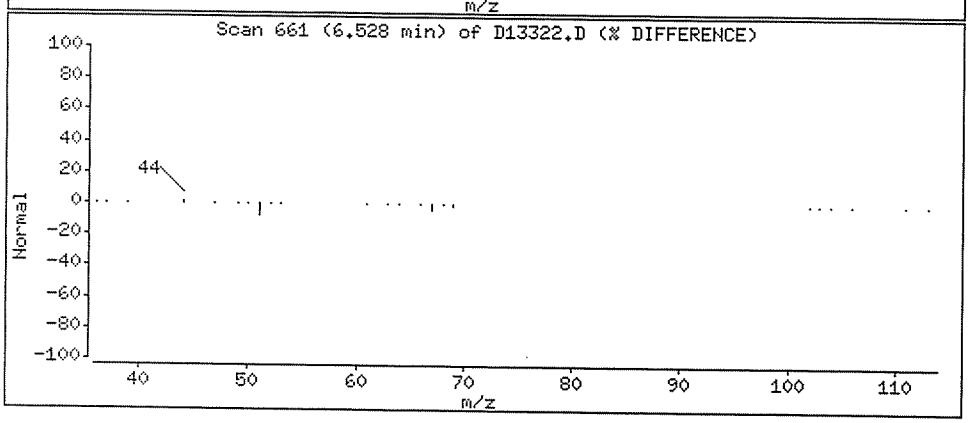












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13322.D

Date : 22-OCT-2000 17:00

Client ID: D13322

Instrument: md.i

Sample Info: DM09R1AC,,2,,0,1,0,8260BDA.M,D13322

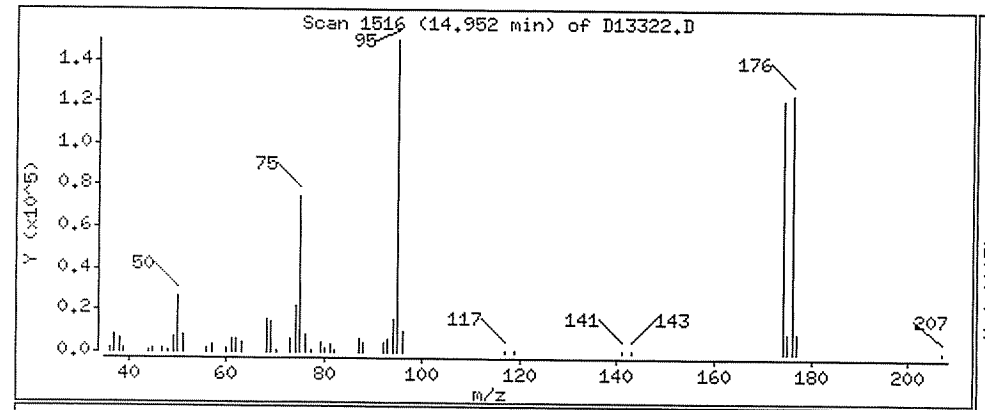
Operator: RRT

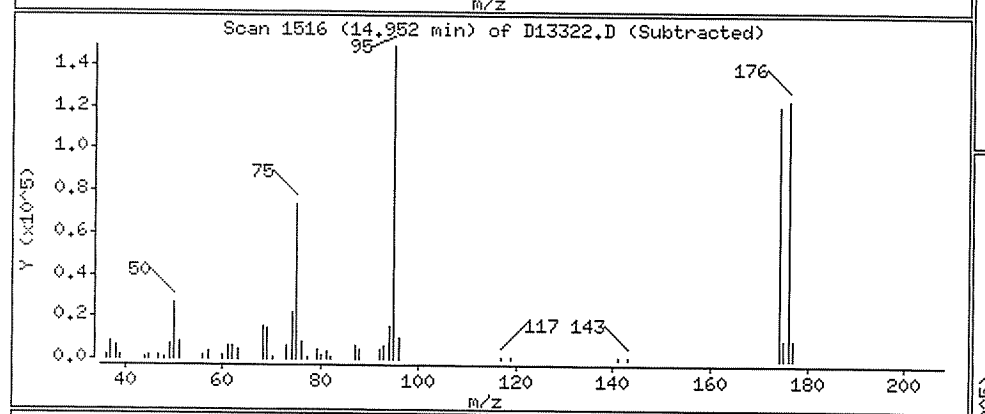
Column phase: J&W DB-624

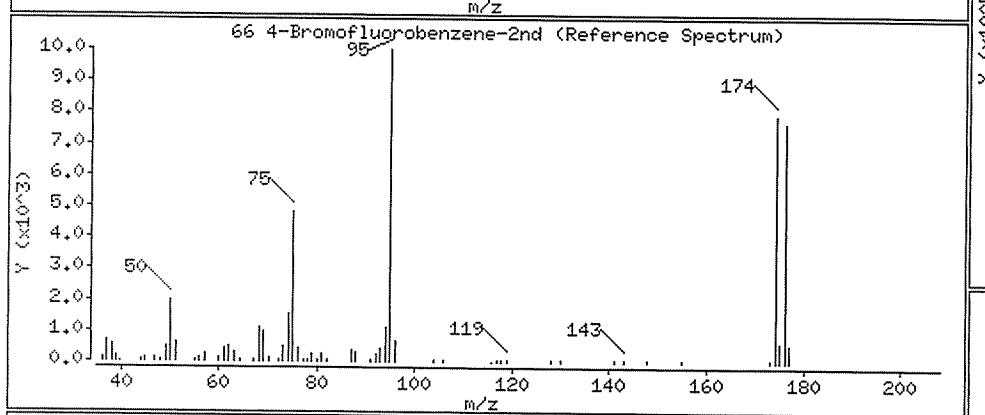
Column diameter: 0.53

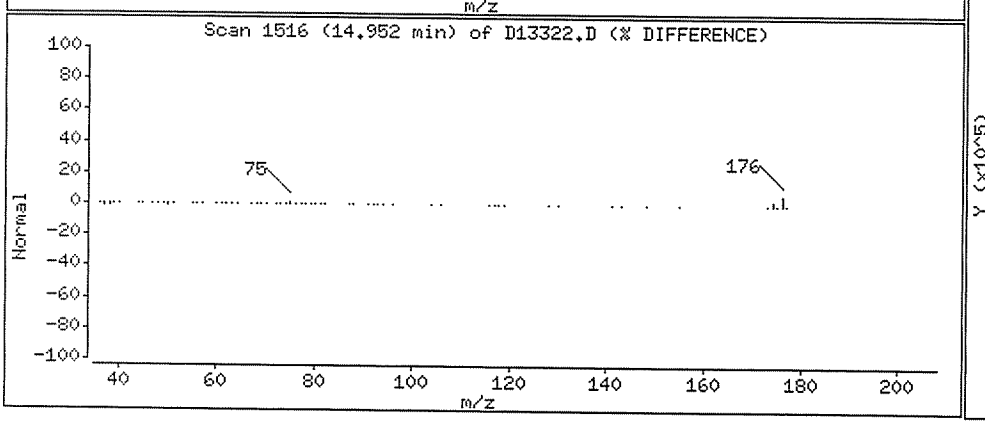
66 4-Bromofluorobenzene-2nd

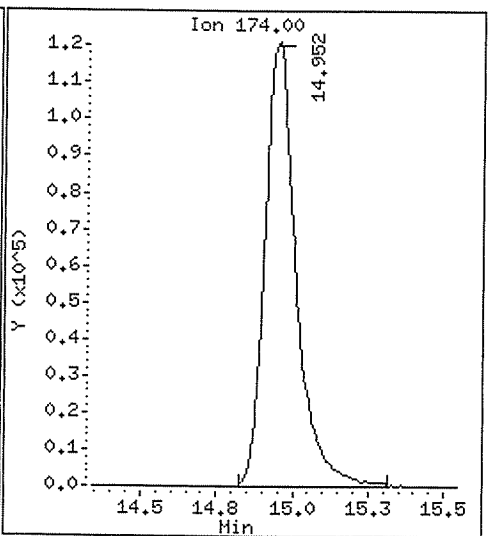
Concentration: 46.90 ug/Kg

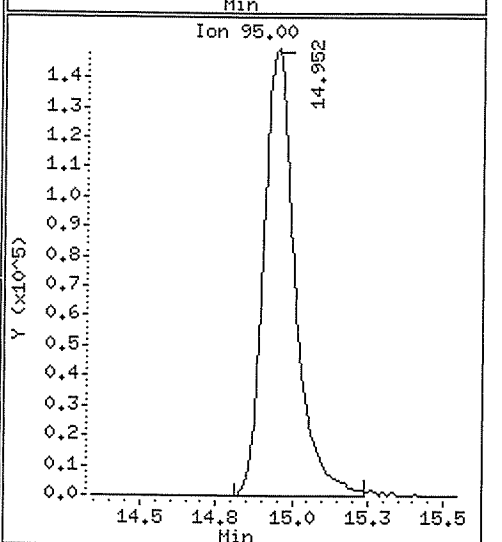


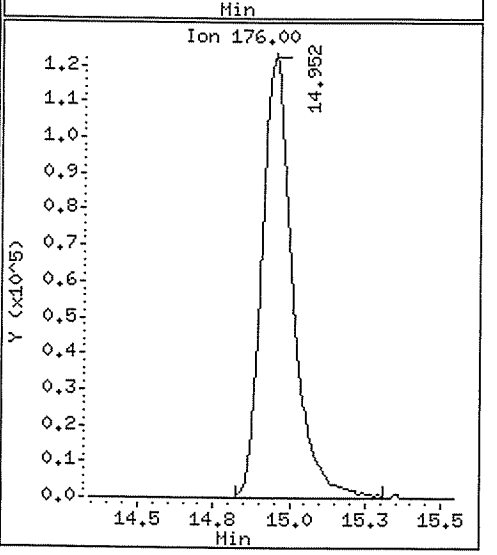












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13322.D

Date : 22-OCT-2000 17:00

Client ID: D13322

Instrument: md.i

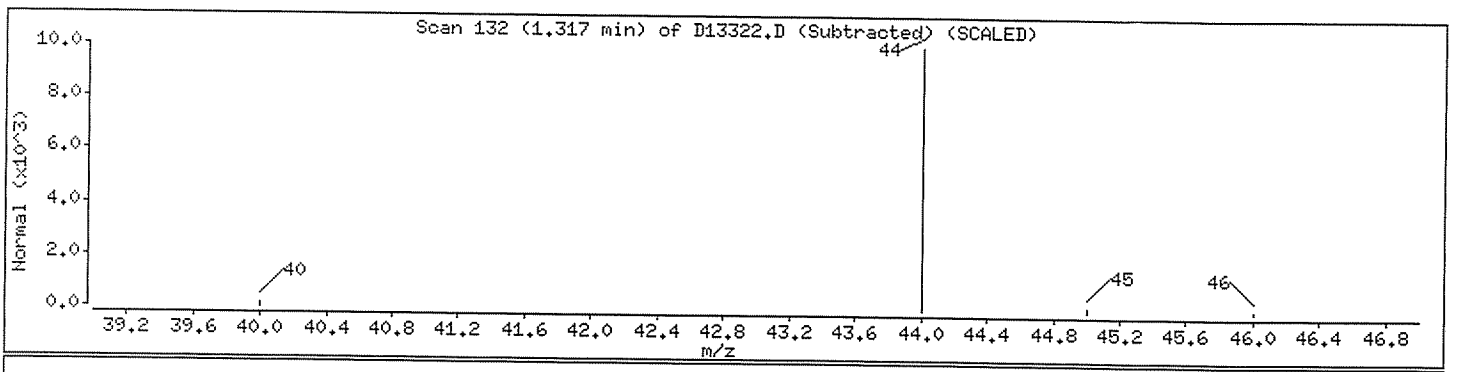
Sample Info: DM09R1AC,,2,,0,1,0,8260BDA.M,D13322

Operator: RRT

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\1022AD.B\D13323.D
Lab Smp Id: DM09T1AA Client Smp ID: D13323
Inj Date : 22-OCT-2000 17:31
Operator : RRT Inst ID: md.i
Smp Info : DM09T1AA,,2,,0,1,0,8260BDA.M,D13323
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.850	2.865	(0.402)	9322	6.07931	6.08
$ 29 Dibromofluoromethane	111	5.973	5.969	(0.843)	903638	45.8642	45.86
$ 33 1,2-Dichloroethane-d4	65	6.525	6.511	(0.921)	572686	43.0629	43.06
34 1,2-Dichloroethane-d4 2nd	102	6.515	6.521	(0.919)	118071	44.0067	44.01
* 38 Fluorobenzene	96	7.086	7.082	(1.000)	1385167	50.0000	
$ 47 Toluene-d8	98	9.914	9.910	(0.787)	1301758	44.7044	44.70
* 56 Chlorobenzene-d5	117	12.603	12.599	(1.000)	1257865	50.0000	
$ 67 4-Bromofluorobenzene	95	14.938	14.944	(0.866)	1060294	43.3943	43.39
66 4-Bromofluorobenzene-2nd	174	14.948	14.944	(0.866)	834678	45.5934	45.59
* 79 1,4-Dichlorobenzene-d4	152	17.254	17.259	(1.000)	919396	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\1022AD.B\D13323.D
Lab Smp Id: DM09T1AA Client Smp ID: D13323
Inj Date : 22-OCT-2000 17:31
Operator : RRT Inst ID: md.i
Smp Info : DM09T1AA,,2,,0,1,0,8260BDA.M,D13323
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.086	3187341	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.313	521768	8.18499630	8.18	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM09T1AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13323
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

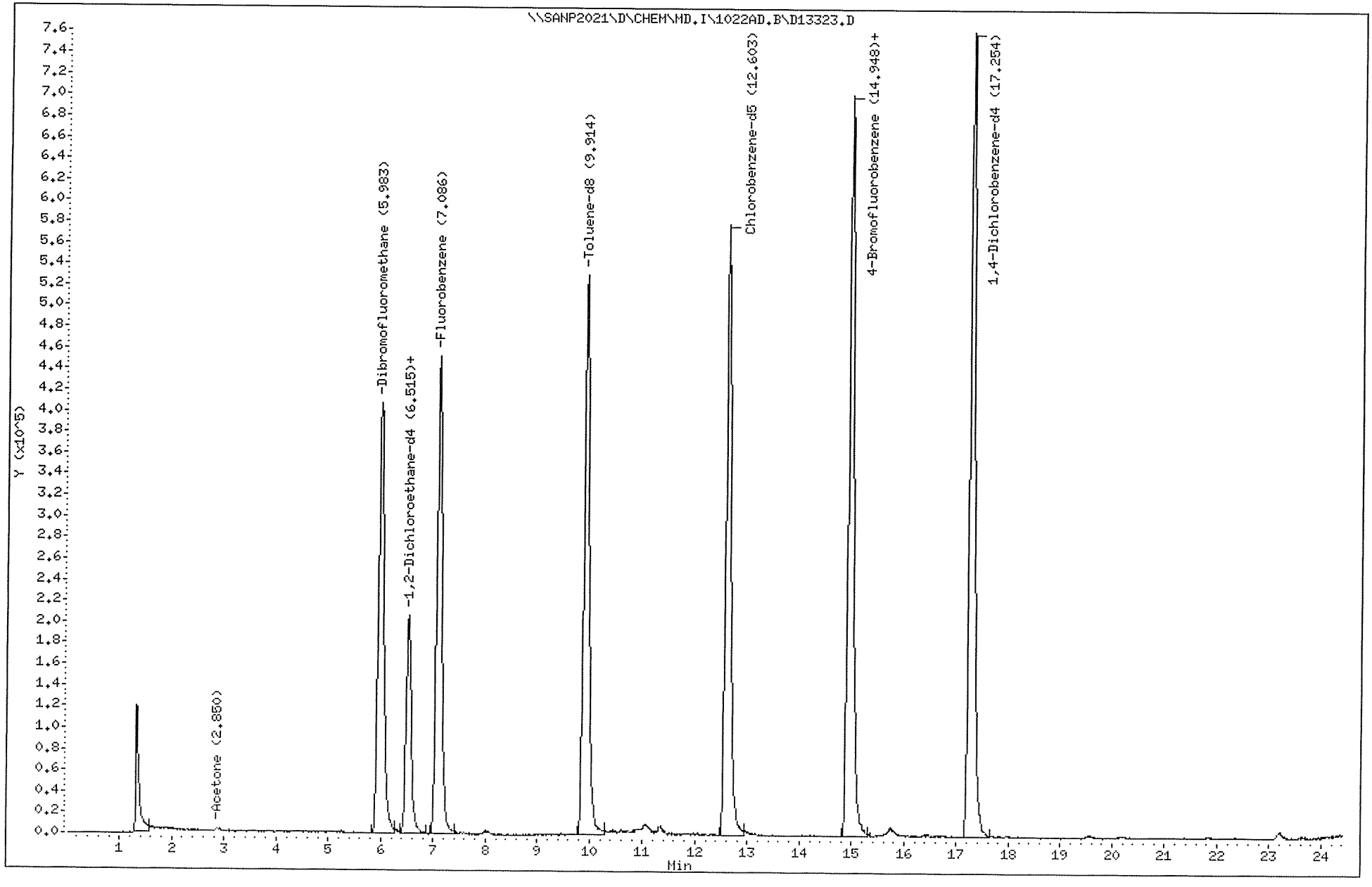
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~	1.313	8.18	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13323.D
Date : 22-OCT-2000 17:31
Client ID: D13323
Sample Info: DM09T1AA,,2,,0,1,0,8260BDA.M,D13323

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000534

BOE-C6-0165149

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13323.D

Date : 22-OCT-2000 17:31

Client ID: D13323

Instrument: md.i

Sample Info: DM09T1AA,,2,,0,1,0,8260BDA.M,D13323

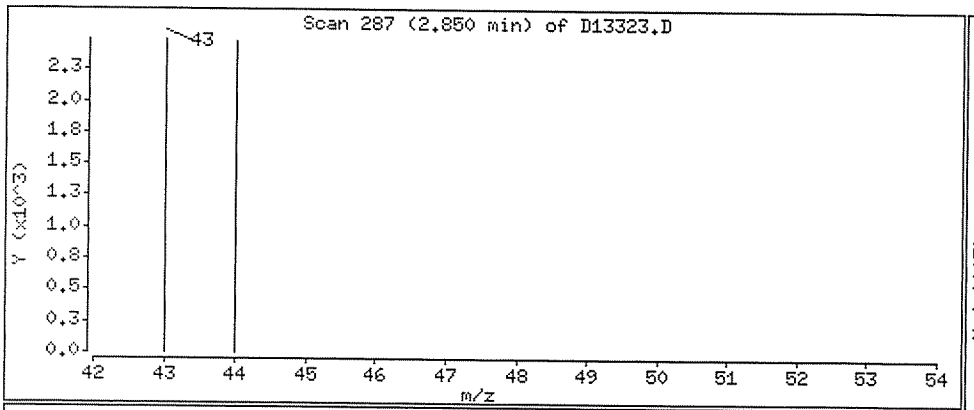
Operator: RRT

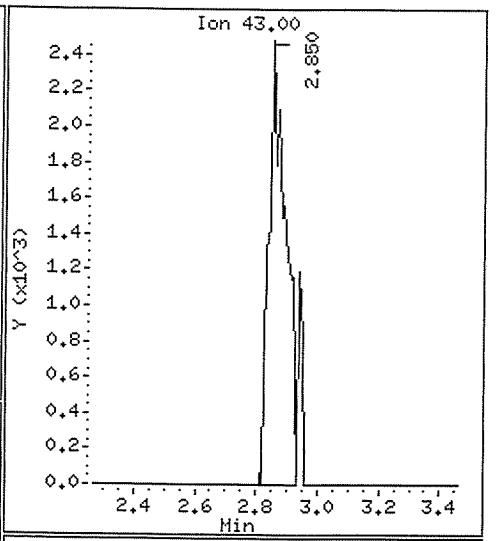
Column phase: J&W DB-624

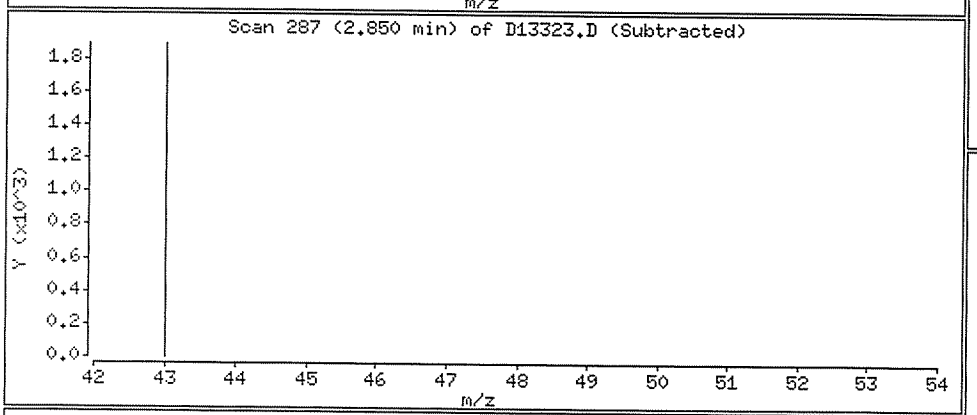
Column diameter: 0.53

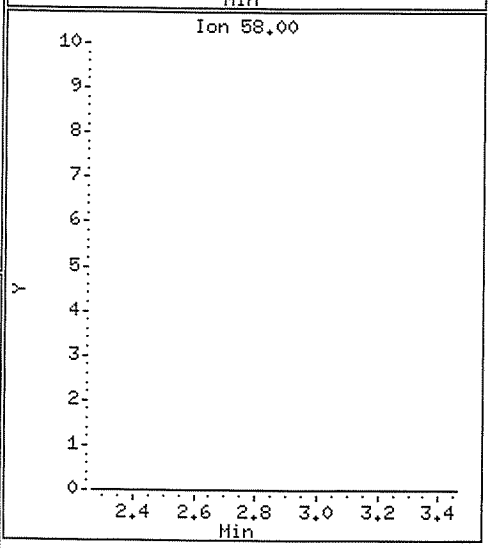
10 Acetone

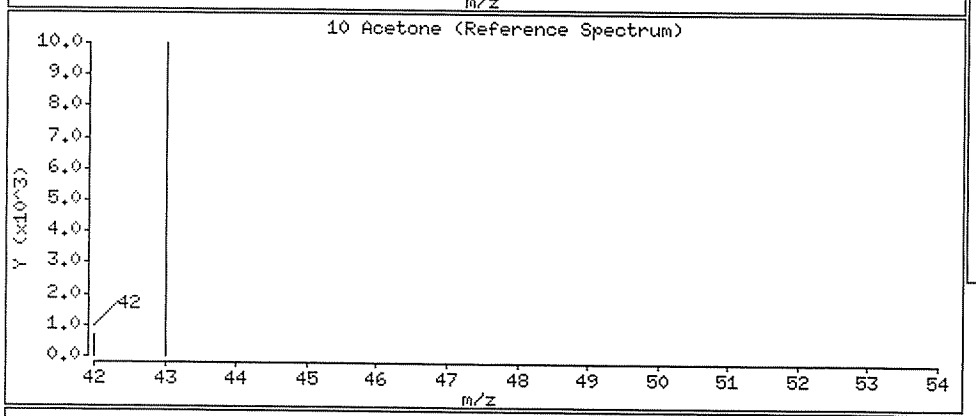
Concentration: 6.08 ug/Kg

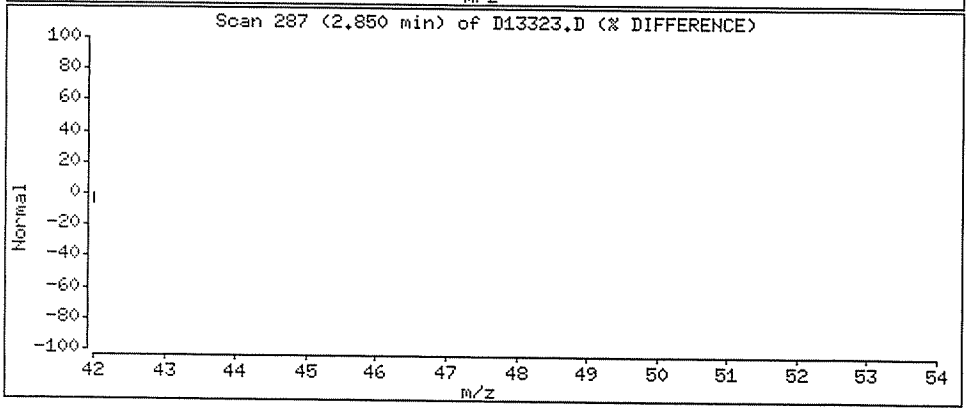












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13323.D

Date : 22-OCT-2000 17:31

Client ID: D13323

Instrument: md.i

Sample Info: DM09T1AA,,2,,0,1,0,8260BDA.M,D13323

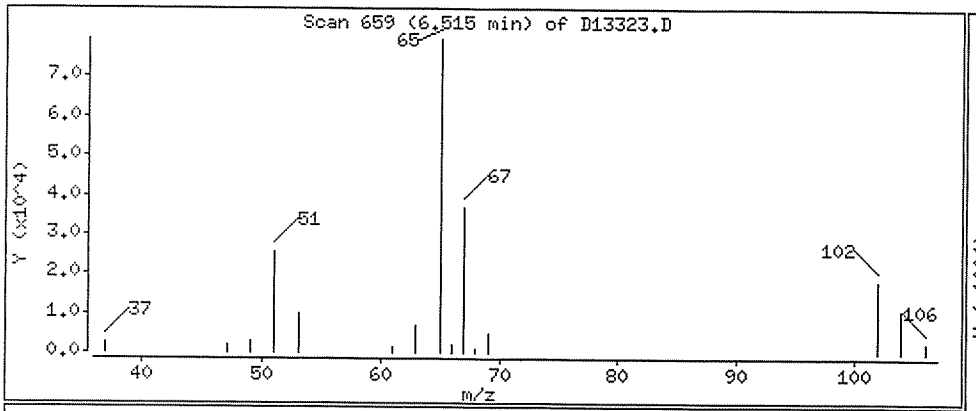
Operator: RRT

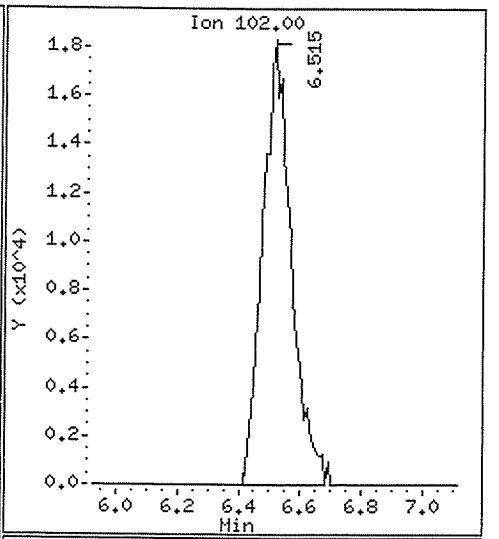
Column phase: J&W DB-624

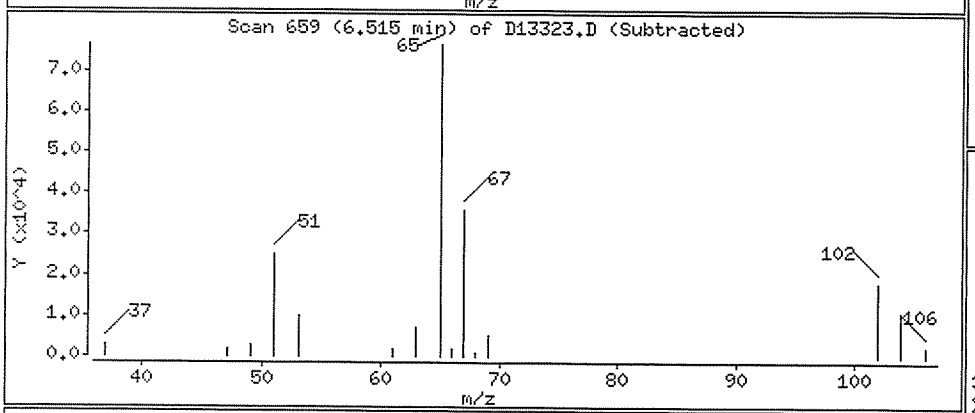
Column diameter: 0.53

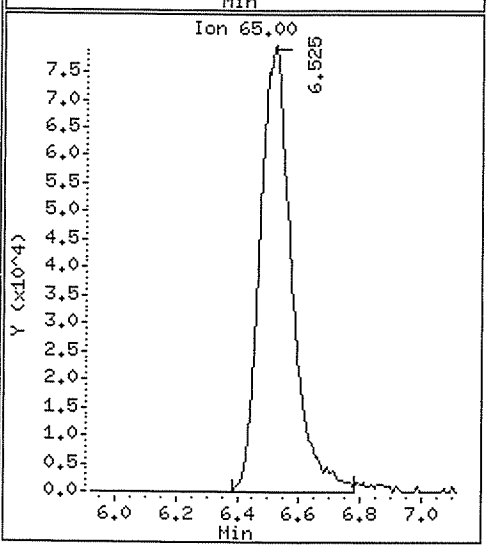
34 1,2-Dichloroethane-d4 2nd

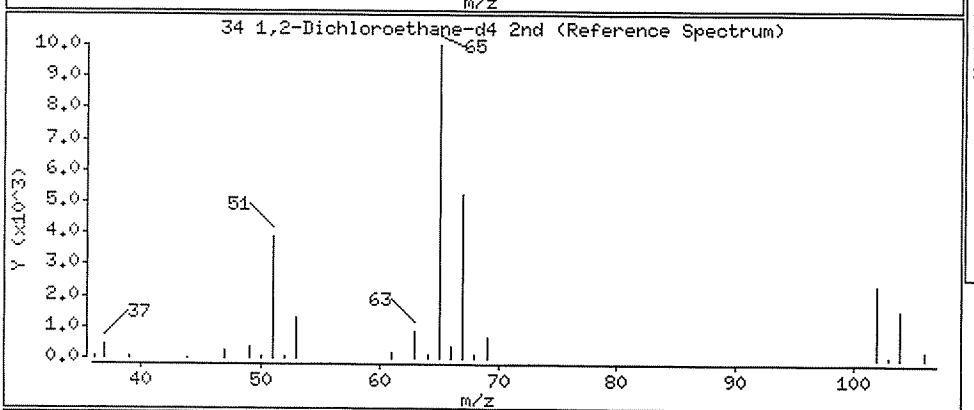
Concentration: 44.01 ug/Kg

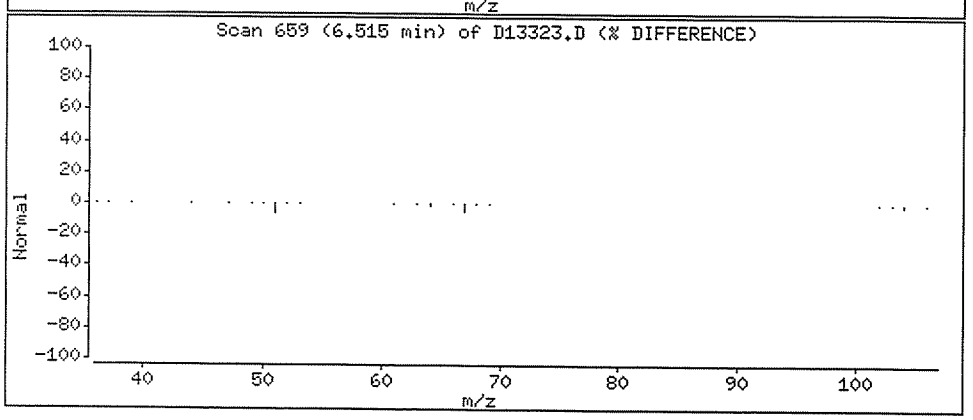












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13323.D

Date : 22-OCT-2000 17:31

Client ID: D13323

Instrument: md.i

Sample Info: DM09T1AA,,2,,0,1,0,8260BDA.M,D13323

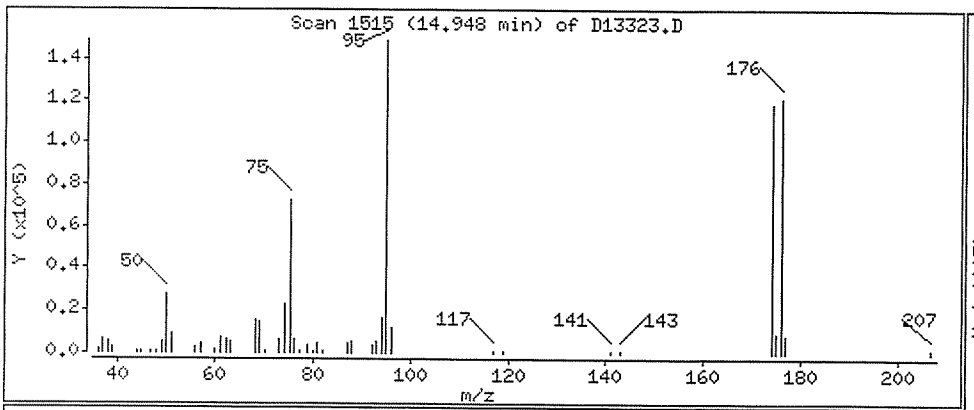
Operator: RRT

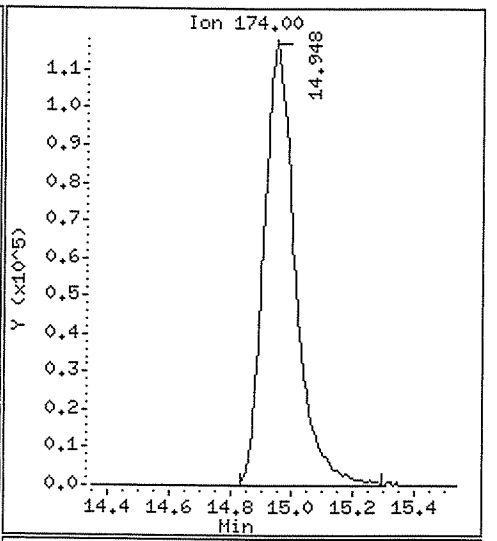
Column phase: J&W DB-624

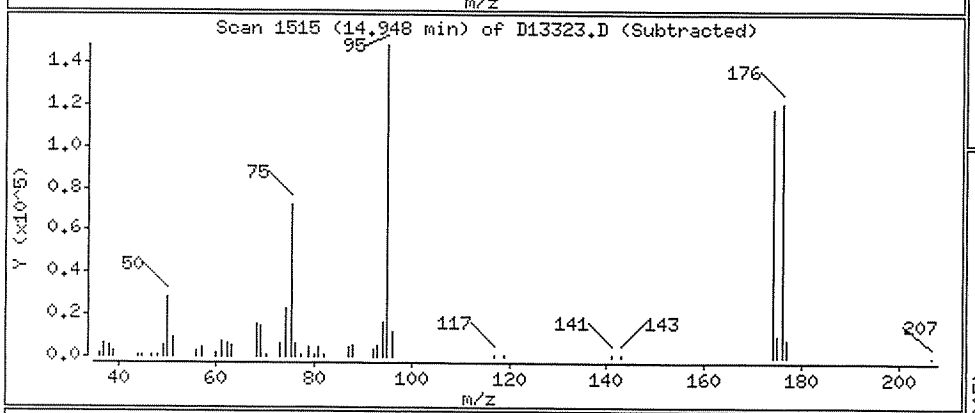
Column diameter: 0.53

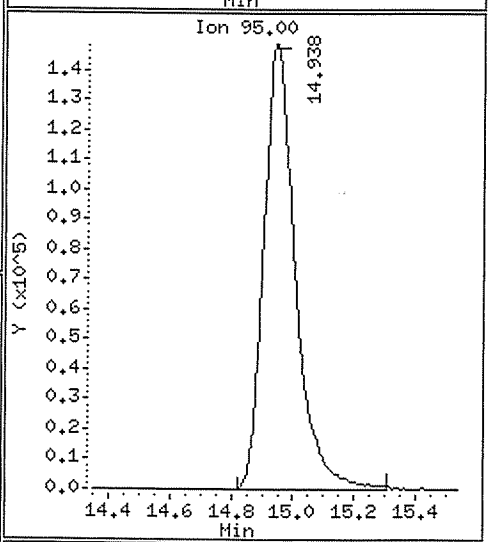
66 4-Bromofluorobenzene-2nd

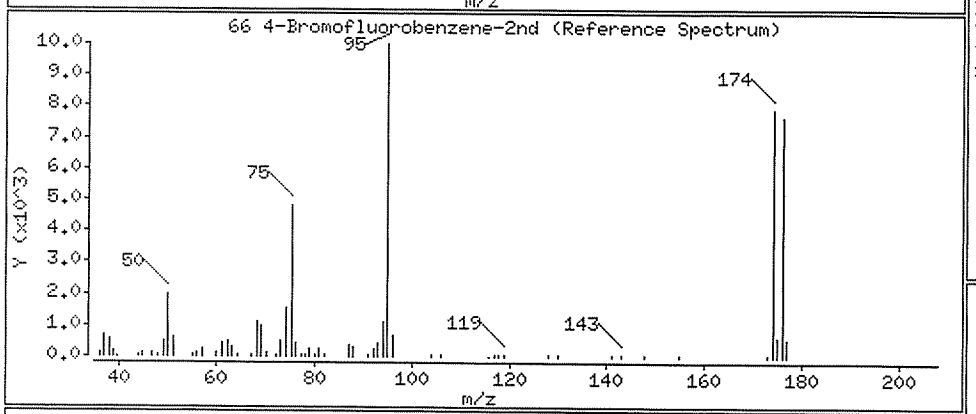
Concentration: 45.59 ug/Kg

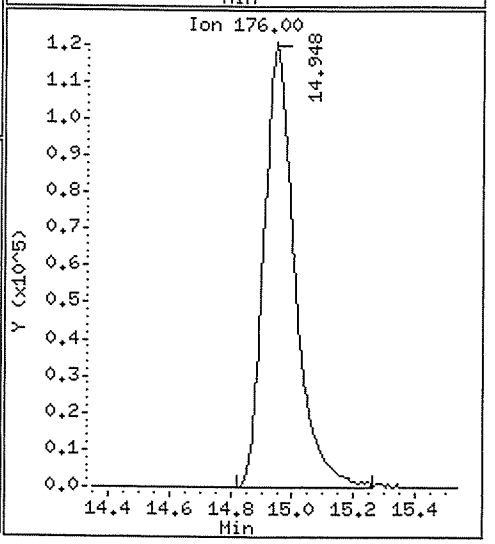


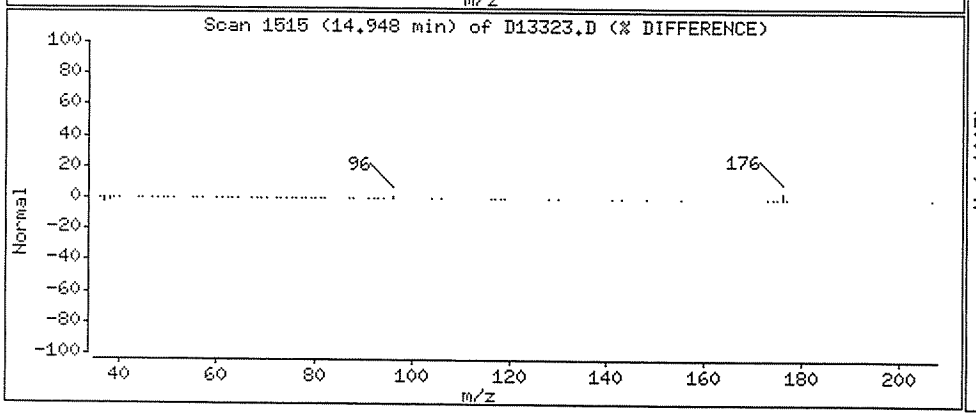












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13323.D

Date : 22-OCT-2000 17:31

Client ID: D13323

Instrument: md.i

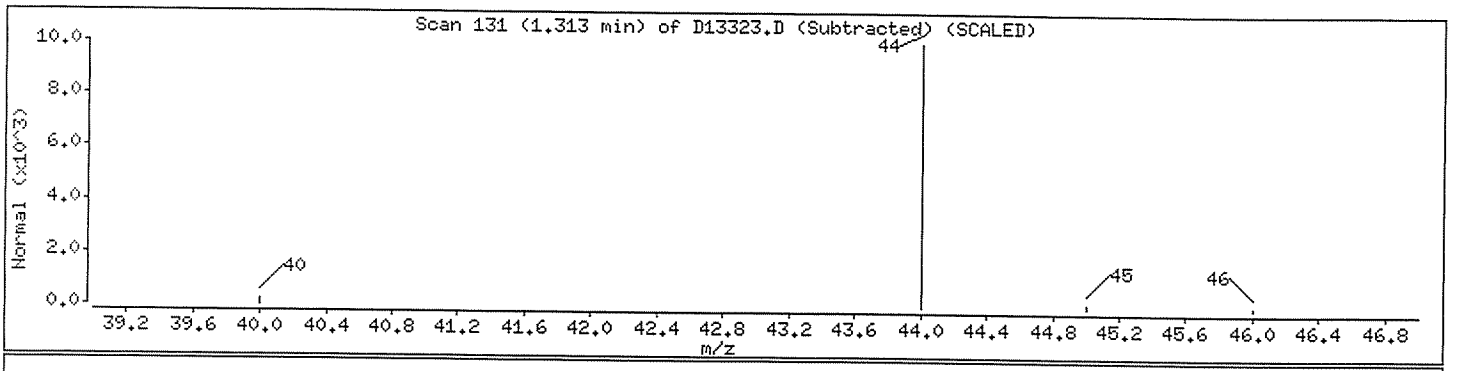
Sample Info: DM09T1AA,,2,,0,1,0,8260BDA.M,D13323

Operator: RRT

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\1022AD.B\D13324.D
Lab Smp Id: DM09V1AC Client Smp ID: D13324
Inj Date : 22-OCT-2000 18:03
Operator : RRT Inst ID: md.i
Smp Info : DM09V1AC,,2,,0,1,0,8260BDA.M,D13324
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
$ 29 Dibromofluoromethane	111	5.976	5.969	(0.842)	938159	46.6219	46.62	
$ 33 1,2-Dichloroethane-d4	65	6.518	6.511	(0.918)	565800	41.6566	41.66	
34 1,2-Dichloroethane-d4 2nd	102	6.508	6.521	(0.917)	122307	44.6335	44.63	
* 38 Fluorobenzene	96	7.100	7.082	(1.000)	1414710	50.0000		
$ 47 Toluene-d8	98	9.917	9.910	(0.787)	1320370	44.7222	44.72	
* 56 Chlorobenzene-d5	117	12.607	12.599	(1.000)	1275343	50.0000		
$ 67 4-Bromofluorobenzene	95	14.942	14.944	(0.866)	1078793	44.4710	44.47	
66 4-Bromofluorobenzene-2nd	174	14.942	14.944	(0.866)	858988	47.2610	47.26	
* 79 1,4-Dichlorobenzene-d4	152	17.257	17.259	(1.000)	912789	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\1022AD.B\D13324.D
Lab Smp Id: DM09V1AC Client Smp ID: D13324
Inj Date : 22-OCT-2000 18:03
Operator : RRT Inst ID: md.i
Smp Info : DM09V1AC,,2,,0,1,0,8260BDA.M,D13324
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.100	3217210	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.316	499583	7.76422432	7.76	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM09V1AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13324
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

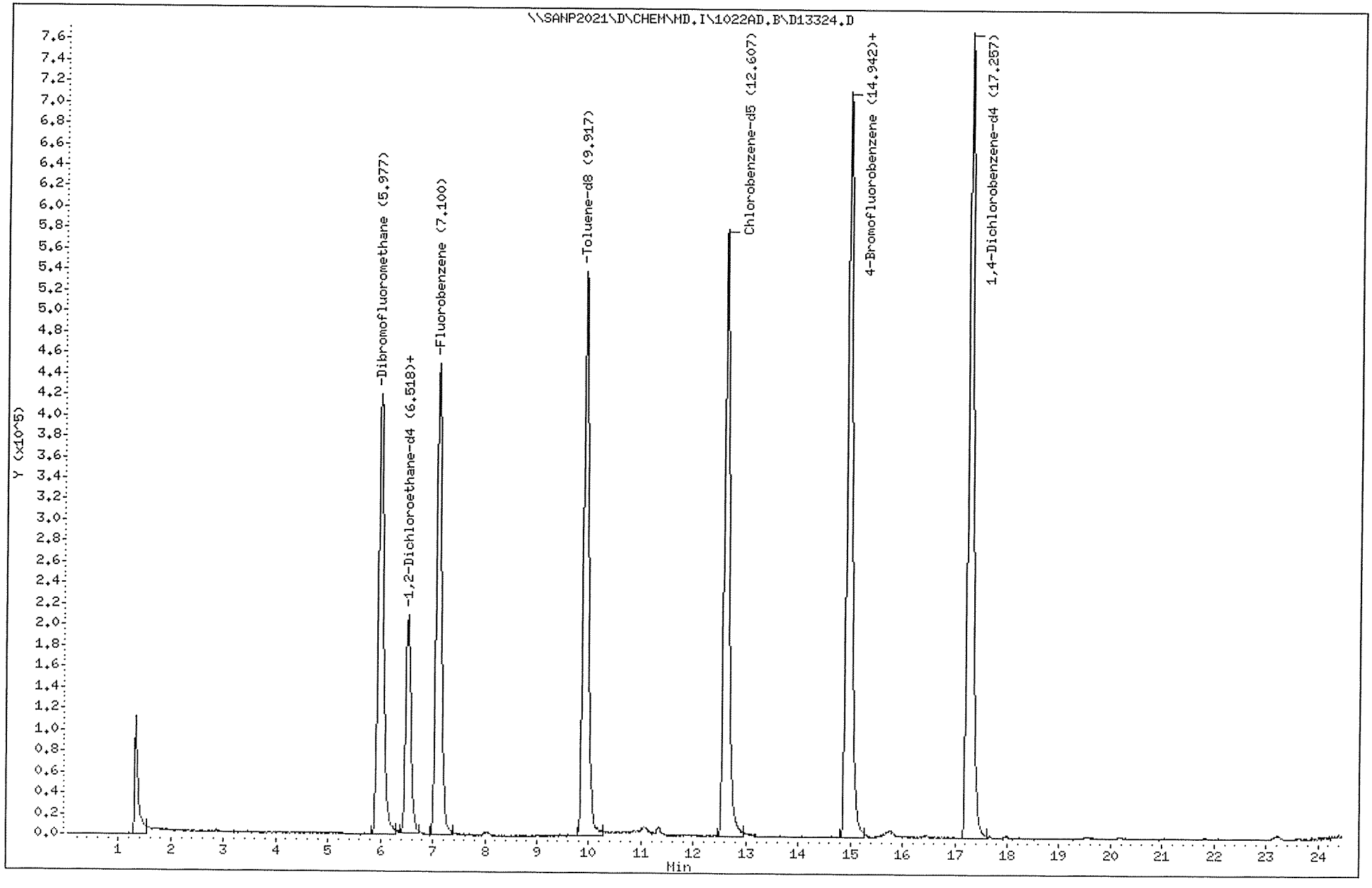
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ NI	1.316	7.76	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13324.D
Date : 22-OCT-2000 18:03
Client ID: D13324
Sample Info: DM09V1AC,,2,,0,1,0,8260BDA.M,D13324

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000542

BOE-C6-0165157

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13324.D

Date : 22-OCT-2000 18:03

Client ID: D13324

Instrument: md.i

Sample Info: DM09V1AC,,2,,0,1,0,8260BDA.M,D13324

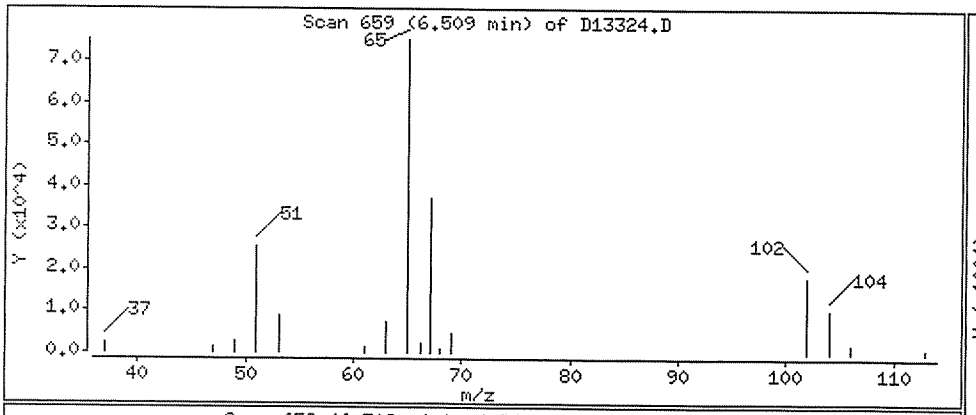
Operator: RRT

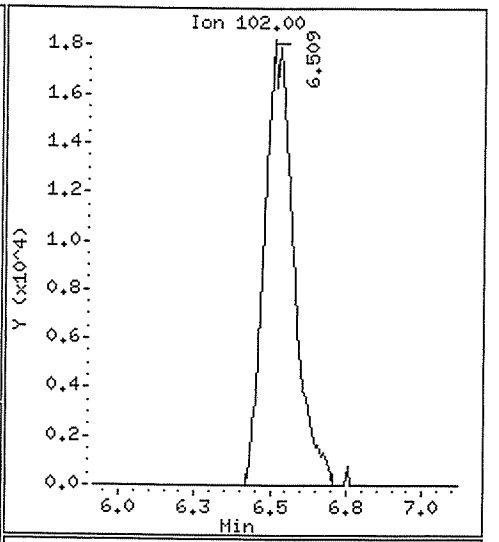
Column phase: J&W DB-624

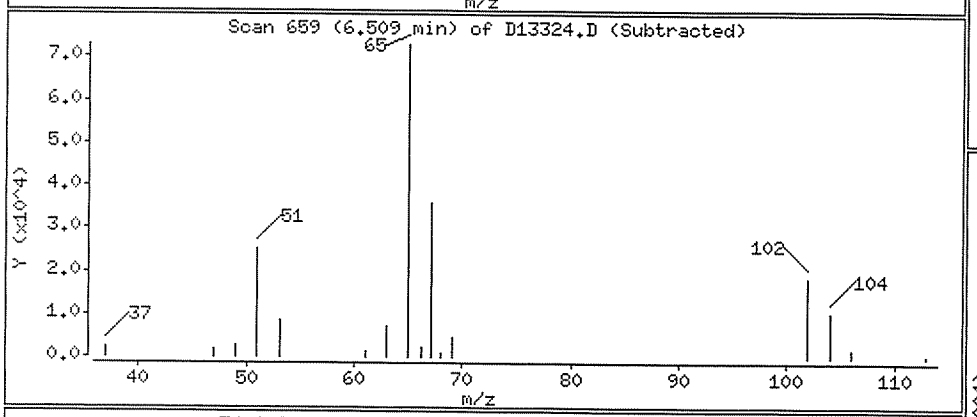
Column diameter: 0.53

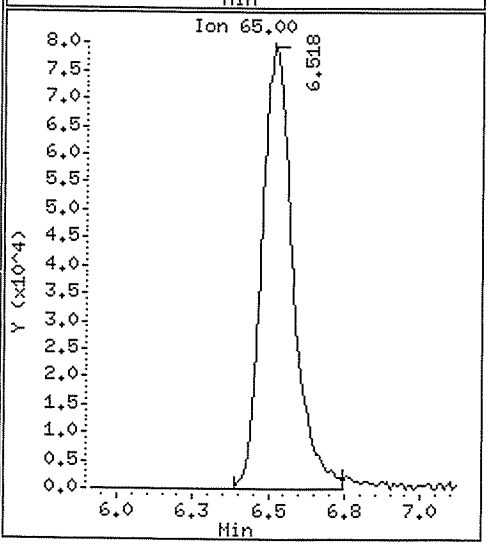
34 1,2-Dichloroethane-d4 2nd

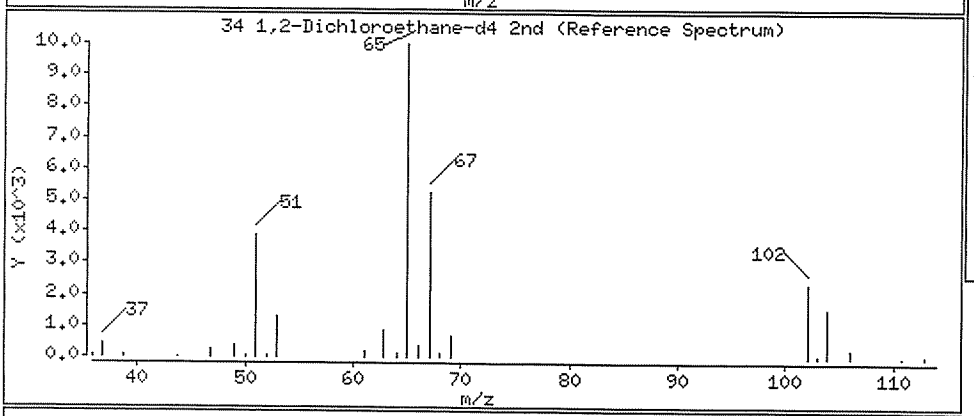
Concentration: 44.63 ug/Kg

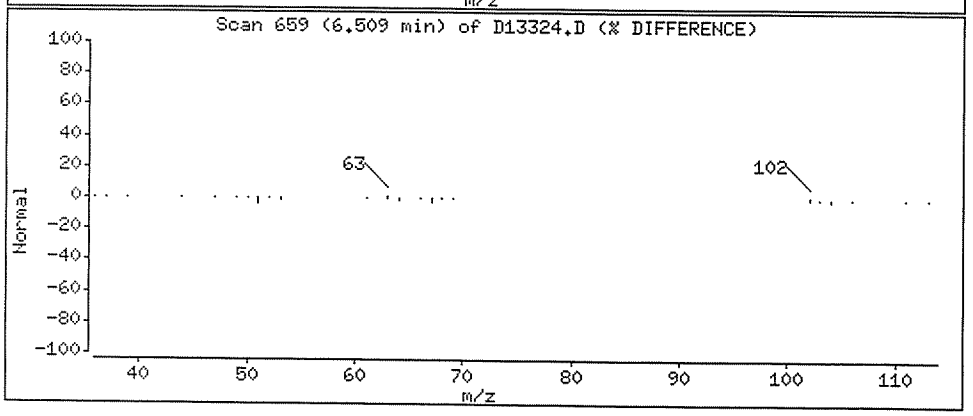












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13324.D

Date : 22-OCT-2000 18:03

Client ID: D13324

Instrument: md.i

Sample Info: DM09V1AC,,2,,0,1,0,8260BDA.M,D13324

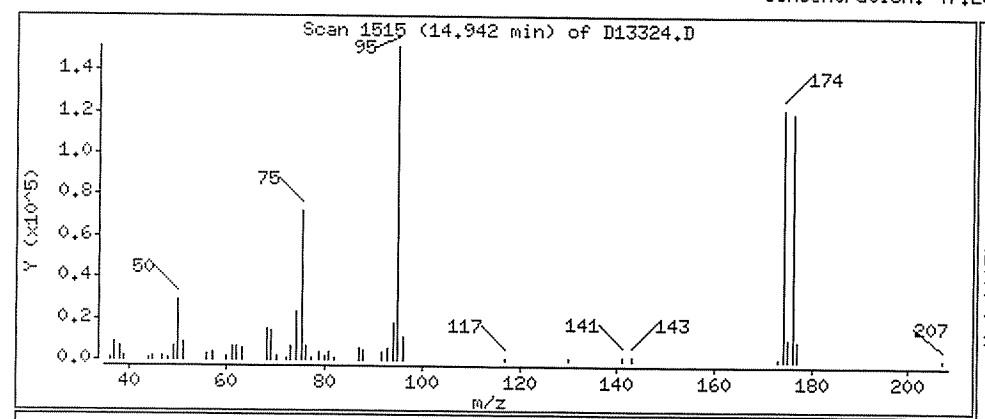
Operator: RRT

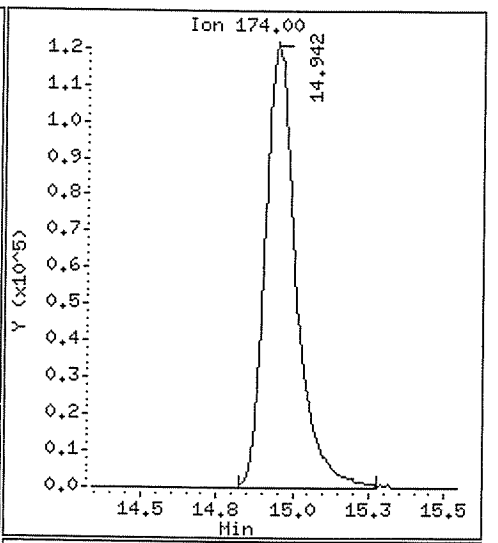
Column phase: J&W DB-624

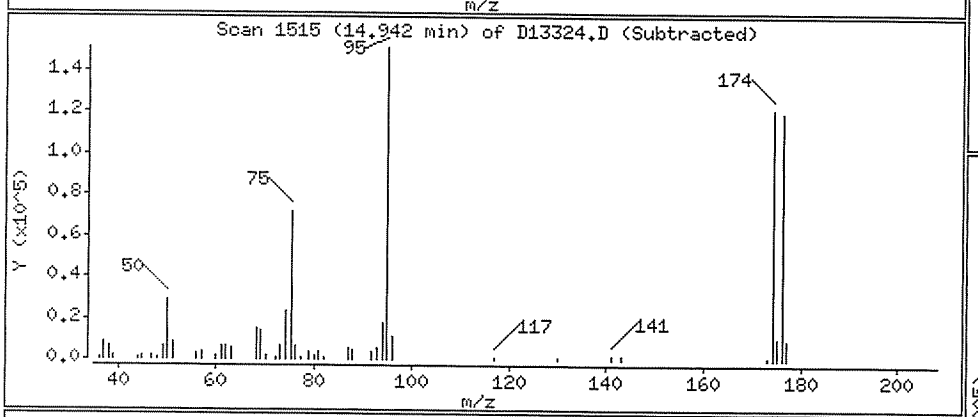
Column diameter: 0.53

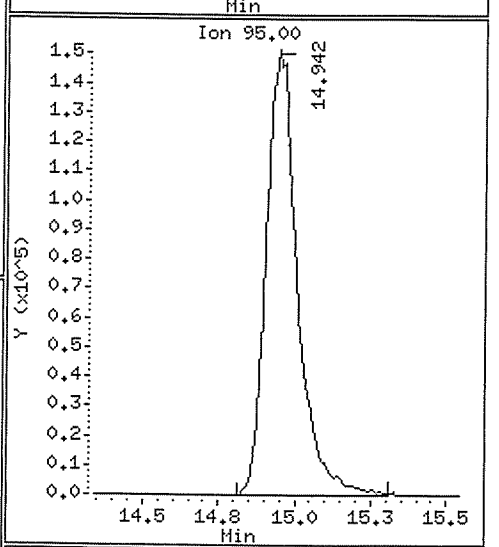
66 4-Bromofluorobenzene-2nd

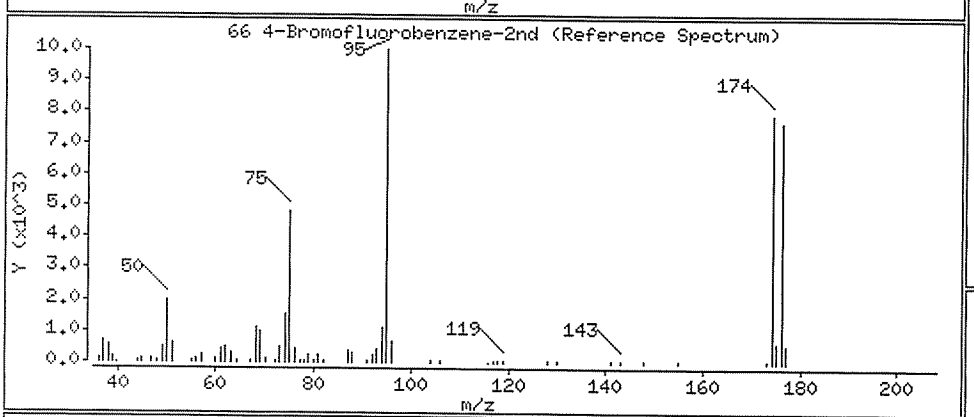
Concentration: 47.26 ug/Kg

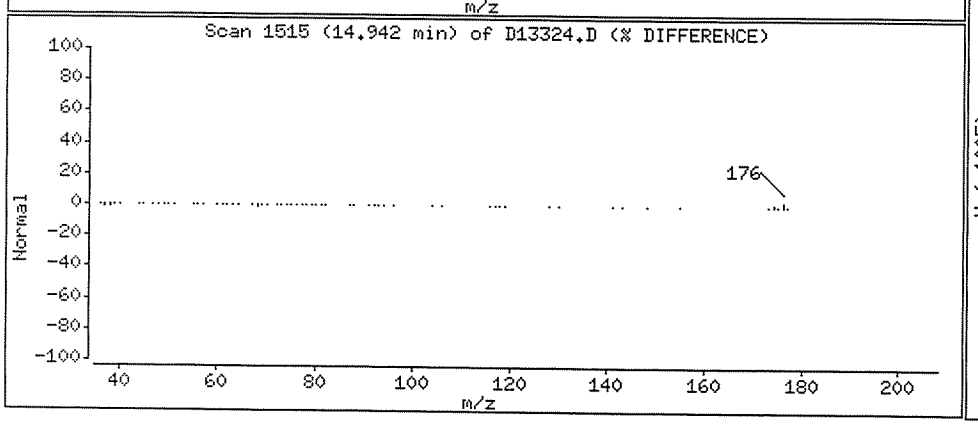


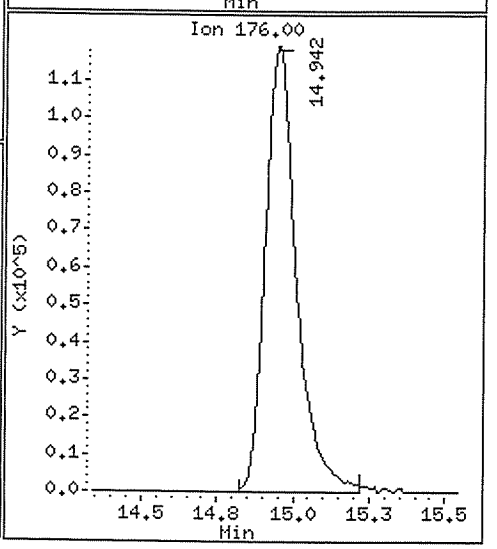












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13324.D

Date : 22-OCT-2000 18:03

Client ID: D13324

Instrument: md.i

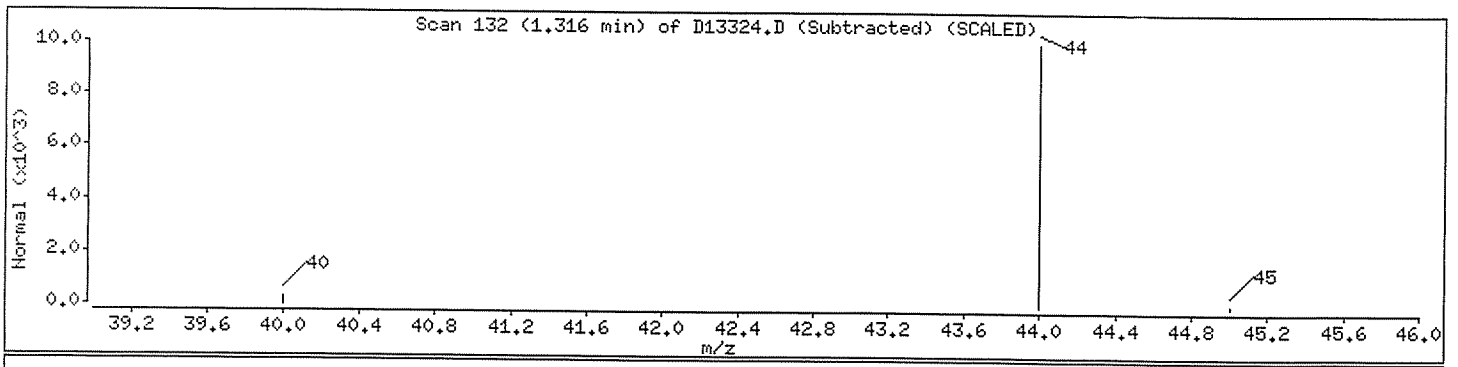
Sample Info: DM09V1AC,,2,,0,1,0,8260BDA.M,D13324

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

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



N2

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\D13325.D
Lab Smp Id: DM09X1AA Client Smp ID: D13325
Inj Date : 22-OCT-2000 18:35
Operator : RRT Inst ID: md.i
Smp Info : DM09X1AA,,2,,0,1,0,8260BDA.M,D13325
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.982	5.969	(0.842)	930673	45.9560	45.96
$ 33 1,2-Dichloroethane-d4	65	6.524	6.511	(0.918)	572035	41.8480	41.85
34 1,2-Dichloroethane-d4 2nd	102	6.514	6.521	(0.917)	118897	43.1136	43.11
* 38 Fluorobenzene	96	7.105	7.082	(1.000)	1423756	50.0000	
$ 47 Toluene-d8	98	9.913	9.910	(0.787)	1300004	44.5612	44.56
* 56 Chlorobenzene-d5	117	12.603	12.599	(1.000)	1260207	50.0000	
$ 67 4-Bromofluorobenzene	95	14.958	14.944	(0.866)	1070874	43.1543	43.15
66 4-Bromofluorobenzene-2nd	174	14.948	14.944	(0.866)	858517	46.1756	46.18
* 79 1,4-Dichlorobenzene-d4	152	17.263	17.259	(1.000)	933733	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\1022AD.B\D13325.D
Lab Smp Id: DM09X1AA Client Smp ID: D13325
Inj Date : 22-OCT-2000 18:35
Operator : RRT Inst ID: md.i
Smp Info : DM09X1AA,,2,,0,1,0,8260BDA.M,D13325
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.105	3218514	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.322	556707	8.64850326	8.65	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM09X1AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13325
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

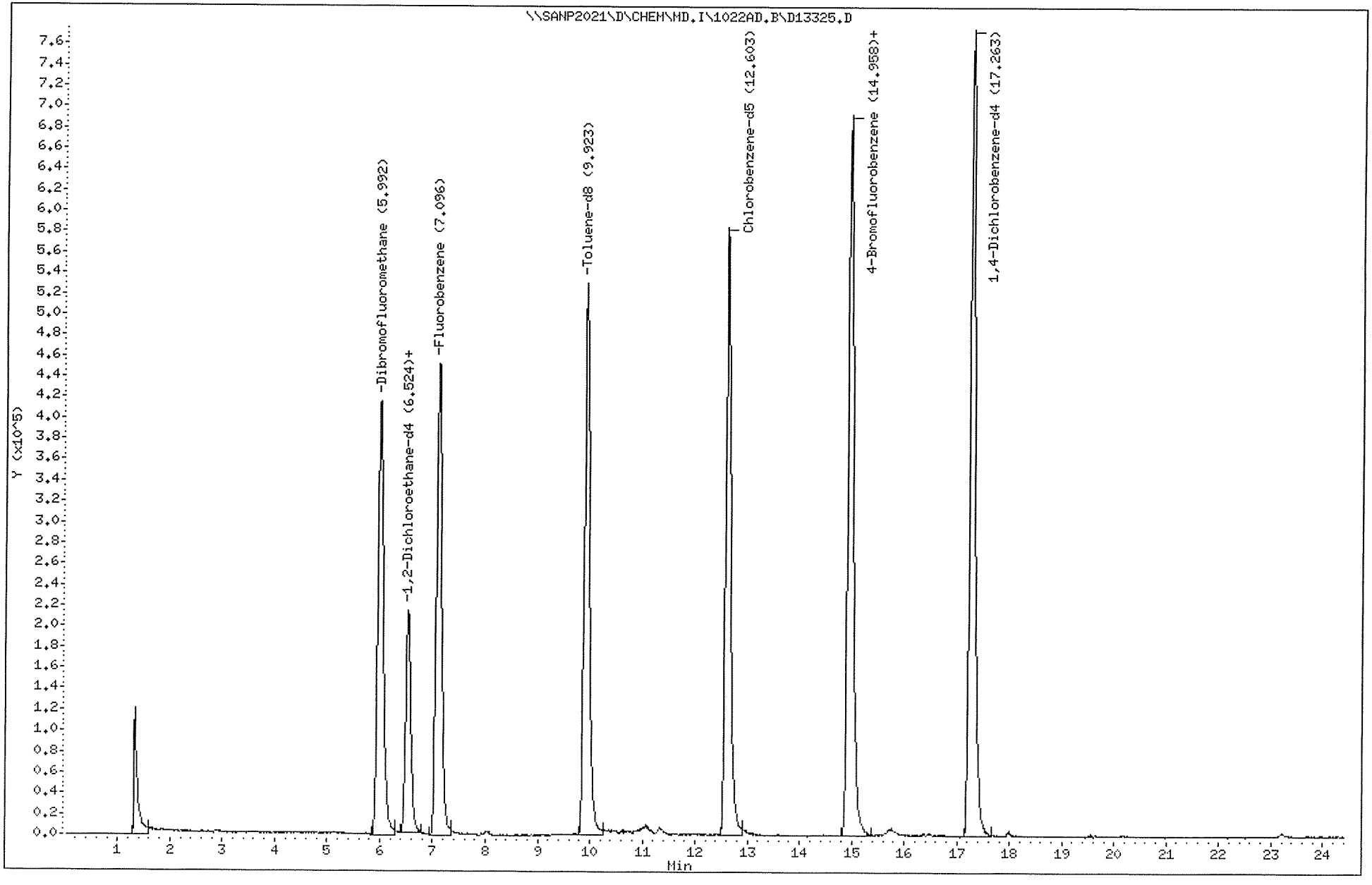
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ N	1.322	8.65	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13325.D
Date : 22-OCT-2000 18:35
Client ID: D13325
Sample Info: DM09X1AA,,2,,0,1,0,8260BDA.M,D13325

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000549

BOE-C6-0165164

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13325.D

Date : 22-OCT-2000 18:35

Client ID: D13325

Instrument: md.i

Sample Info: DM09X1AA,,2,,0,1,0,8260BDA.M,D13325

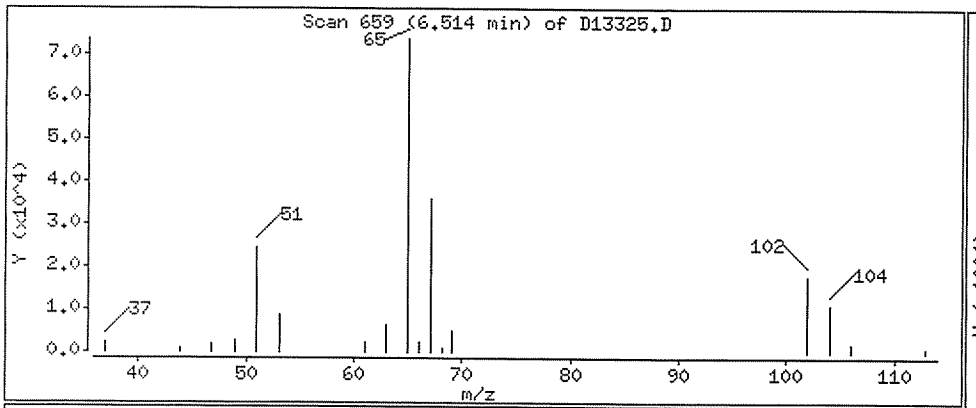
Operator: RRT

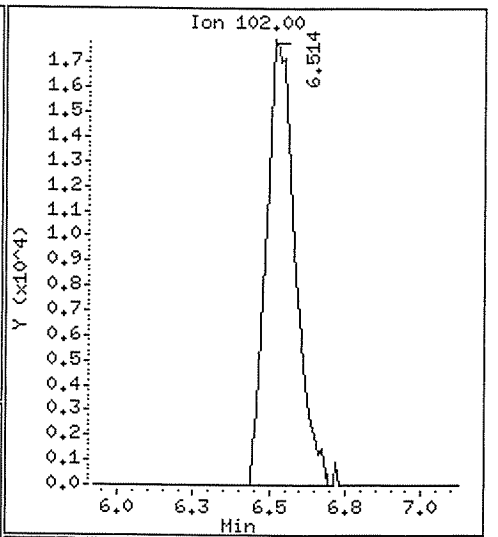
Column phase: J&W DB-624

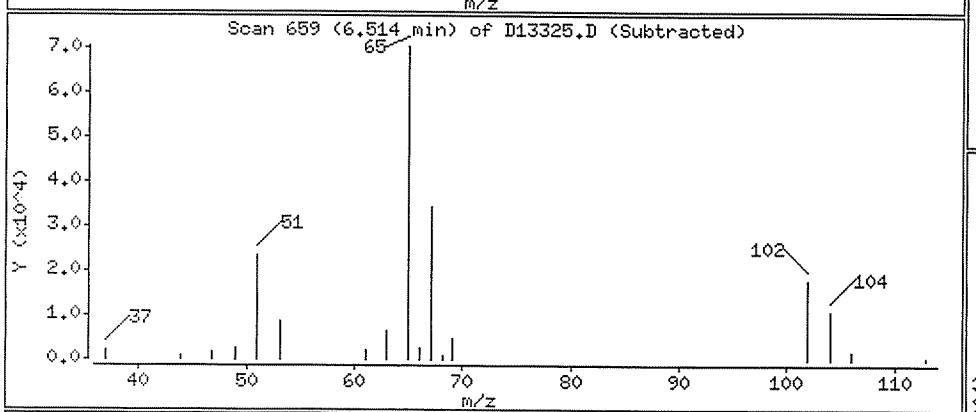
Column diameter: 0.53

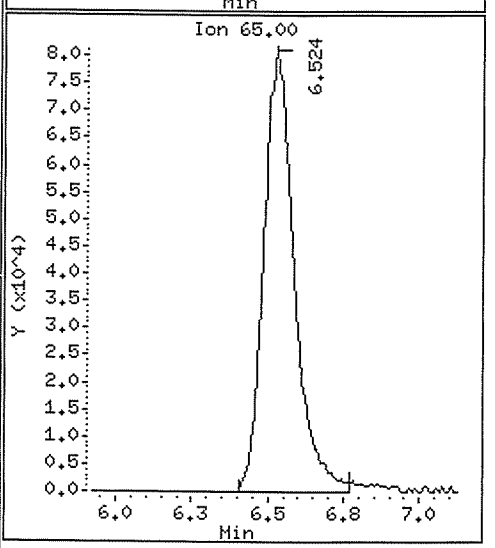
34 1,2-Dichloroethane-d4 2nd

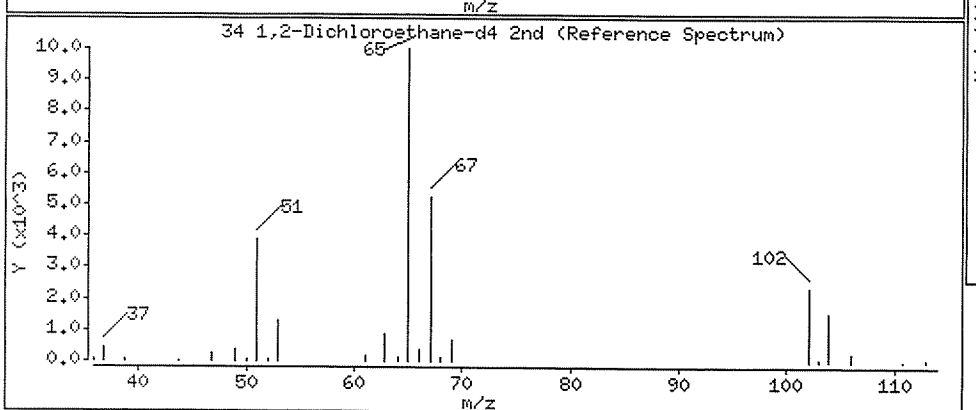
Concentration: 43.11 ug/Kg

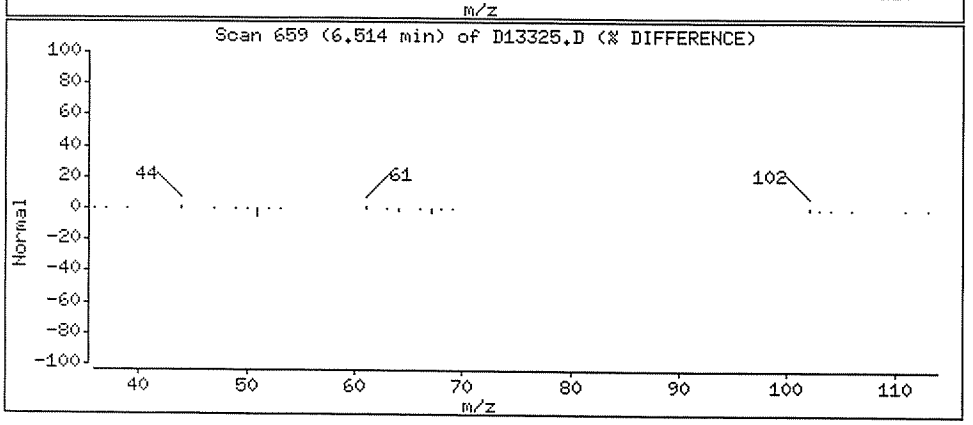












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13325.D

Date : 22-OCT-2000 18:35

Client ID: D13325

Instrument: md.i

Sample Info: DM09X1AA,,2,,0,1,0,8260BDA.M,D13325

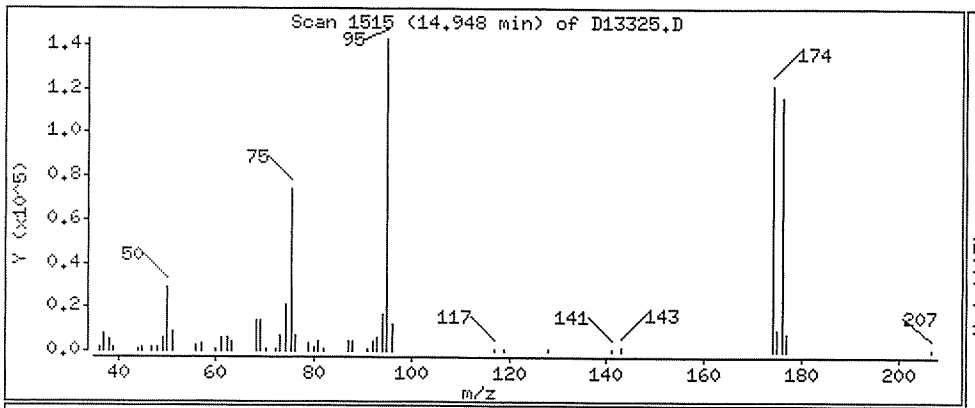
Operator: RRT

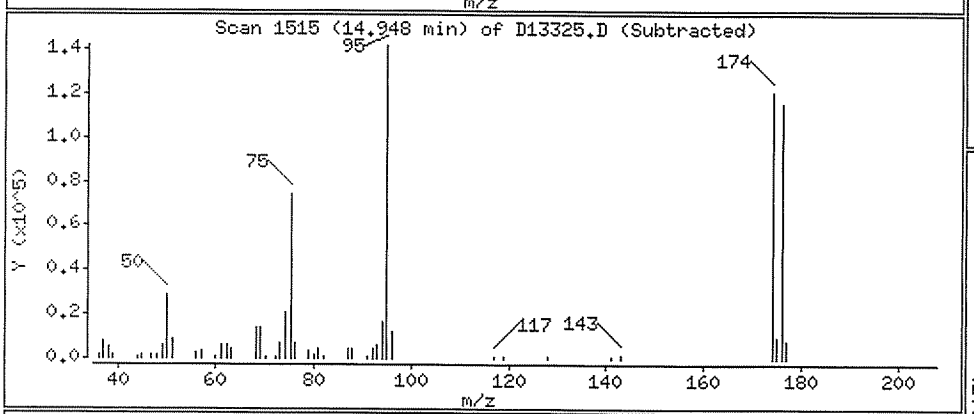
Column phase: J&W DB-624

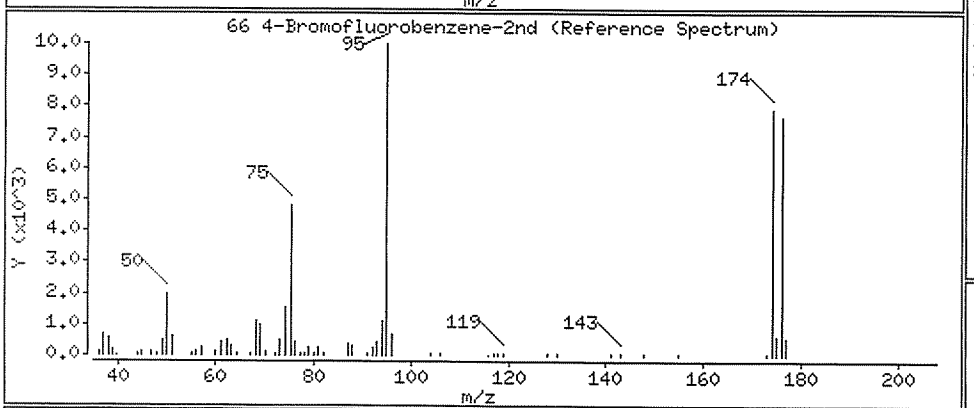
Column diameter: 0.53

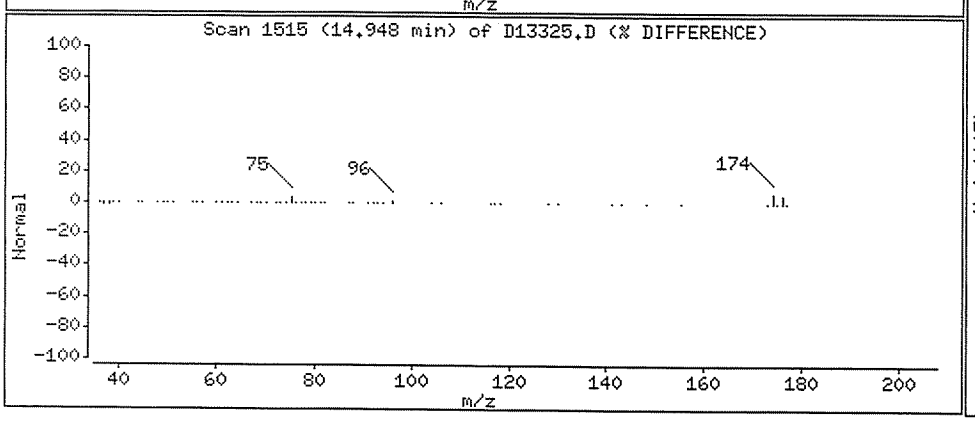
66 4-Bromofluorobenzene-2nd

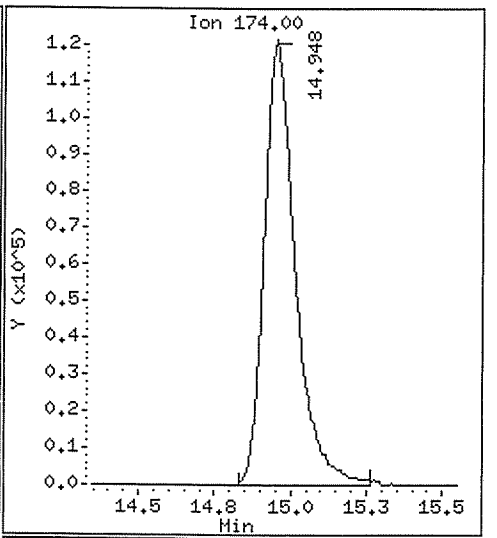
Concentration: 46.18 ug/Kg

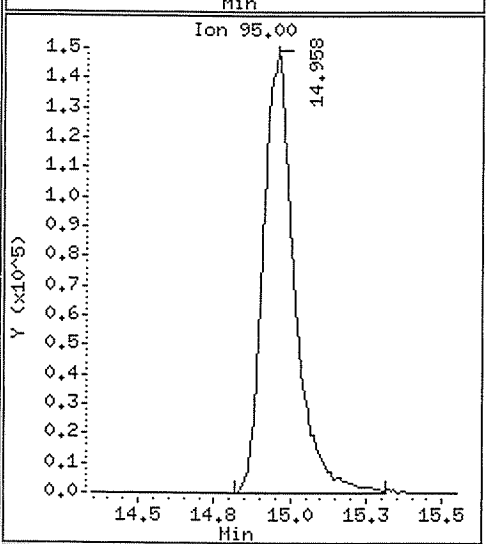


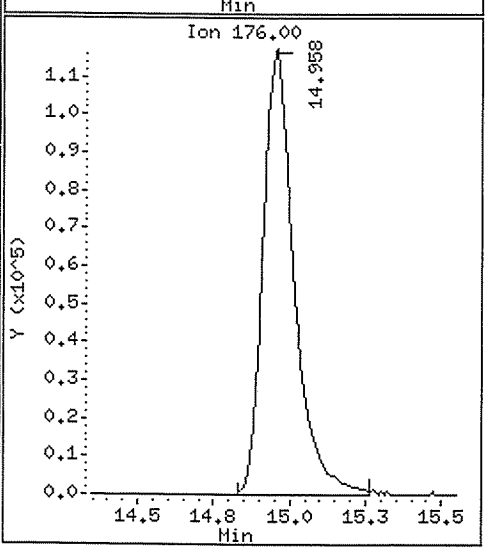












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13325.D

Date : 22-OCT-2000 18:35

Client ID: D13325

Instrument: md.i

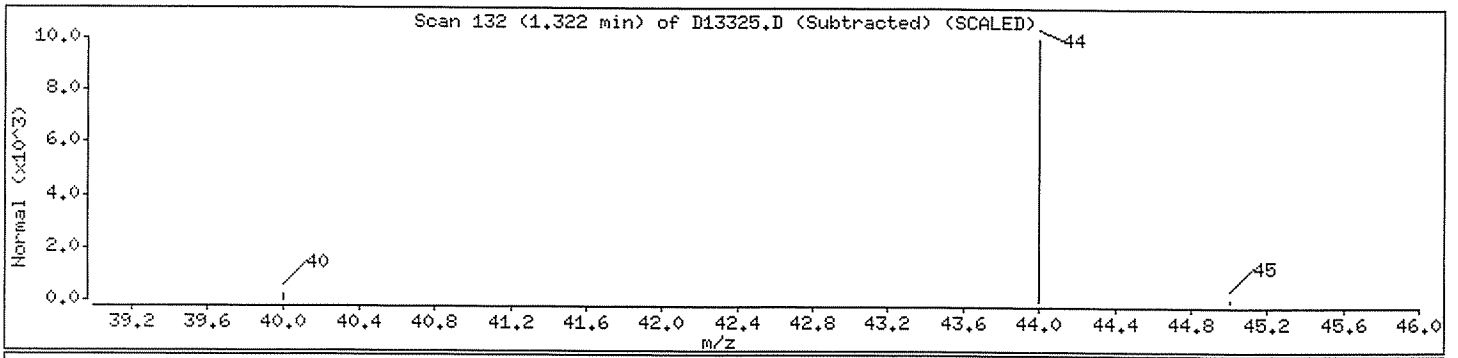
Sample Info: DM09X1AA,,2,,0,1,0,8260BDA.M,D13325

Operator: RRT

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\1022AD.B\D13326.D
Lab Smp Id: DM0911AA Client Smp ID: D13326
Inj Date : 22-OCT-2000 19:07
Operator : RRT Inst ID: md.i
Smp Info : DM0911AA,,2,,0,1,0,8260BDA.M,D13326
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
$ 29 Dibromofluoromethane	111	5.995	5.969	(0.845)	902898	45.9001	45.90	
$ 33 1,2-Dichloroethane-d4	65	6.528	6.511	(0.920)	557331	41.9755	41.98	
34 1,2-Dichloroethane-d4 2nd	102	6.528	6.521	(0.920)	117113	43.7197	43.72	
* 38 Fluorobenzene	96	7.099	7.082	(1.000)	1382948	50.0000		
$ 47 Toluene-d8	98	9.917	9.910	(0.786)	1278606	45.4404	45.44	
* 56 Chlorobenzene-d5	117	12.616	12.599	(1.000)	1215484	50.0000		
$ 67 4-Bromofluorobenzene	95	14.951	14.944	(0.866)	1000399	44.5241	44.52	
66 4-Bromofluorobenzene-2nd	174	14.951	14.944	(0.866)	806850	47.9283	47.93	
* 79 1,4-Dichlorobenzene-d4	152	17.266	17.259	(1.000)	845448	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\1022AD.B\D13326.D
Lab Smp Id: DM0911AA Client Smp ID: D13326
Inj Date : 22-OCT-2000 19:07
Operator : RRT Inst ID: md.i
Smp Info : DM0911AA,,2,,0,1,0,8260BDA.M,D13326
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.099	3080176	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.326	708523	11.5013379	11.50	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM0911AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13326
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

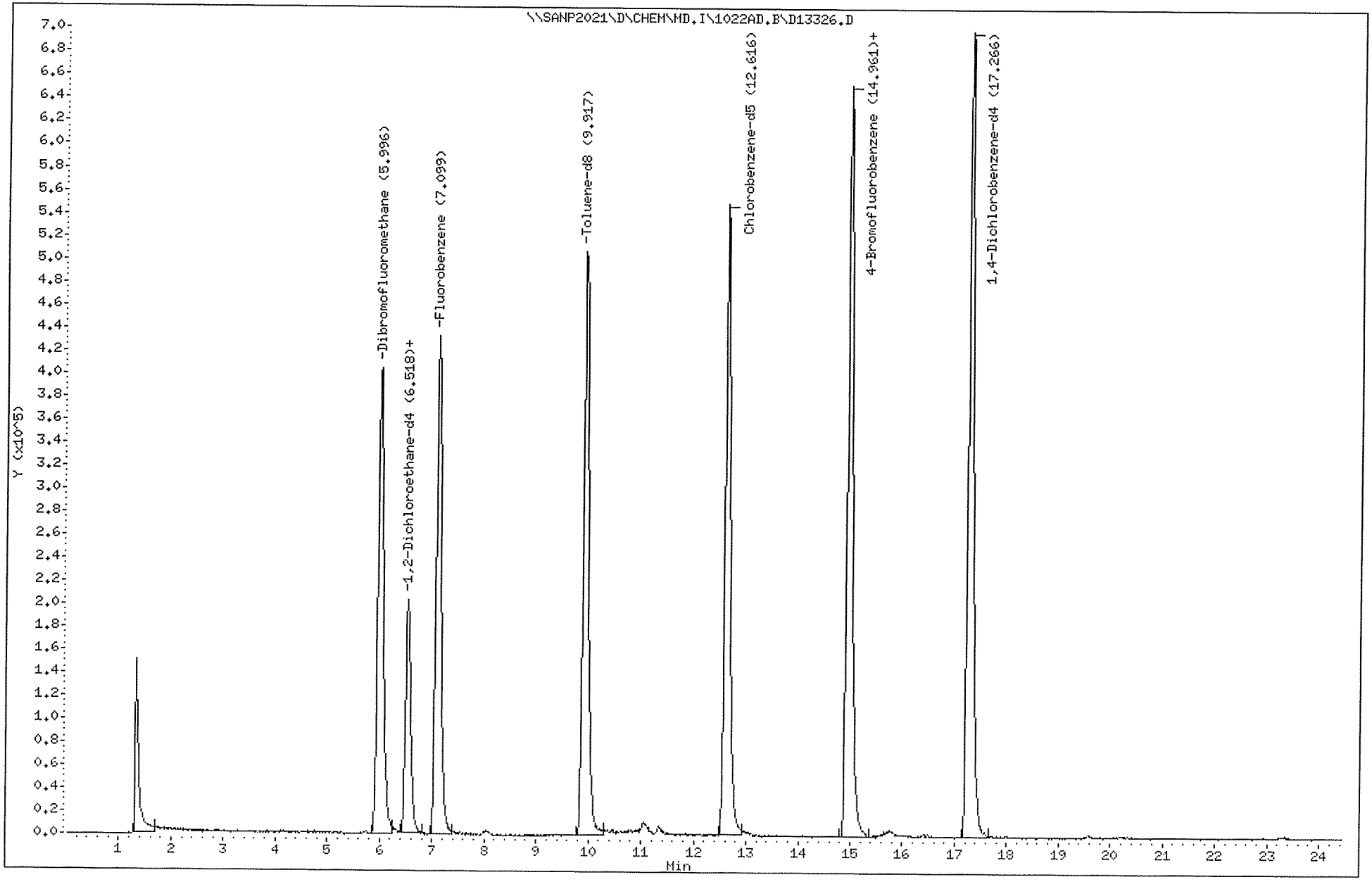
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ NJ	1.326	11.50	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13326.D
Date : 22-OCT-2000 19:07
Client ID: D13326
Sample Info: DM0911AA,,2,,0,1,0,8260BDA.M,D13326

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000556

BOE-C6-0165171

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13326.D

Date : 22-OCT-2000 19:07

Client ID: D13326

Instrument: md.i

Sample Info: DM0911AA,,2,,0,1,0,8260BDA.M,D13326

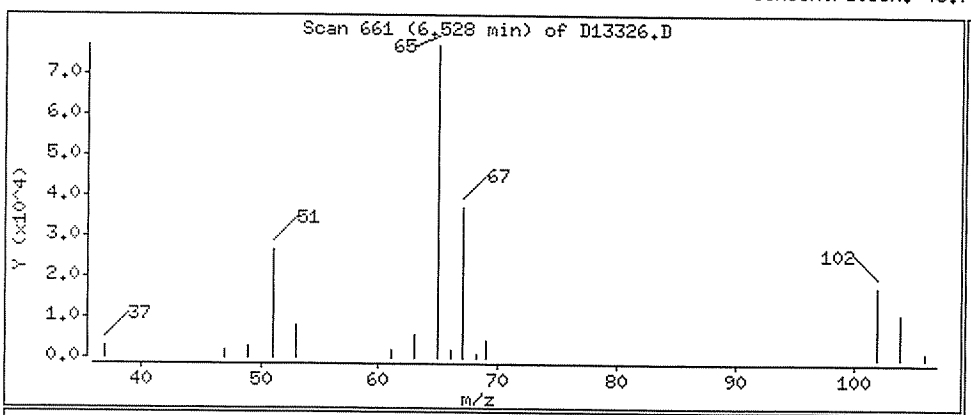
Operator: RRT

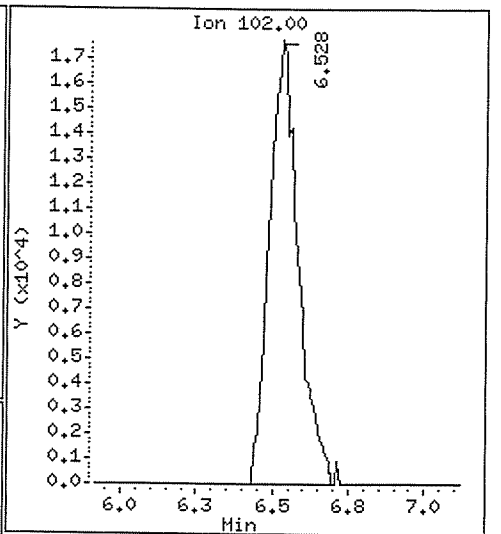
Column phase: J&W DB-624

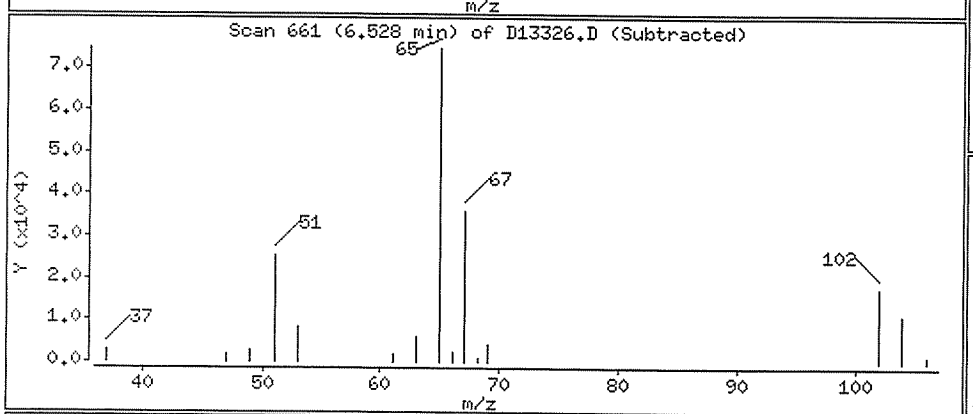
Column diameter: 0.53

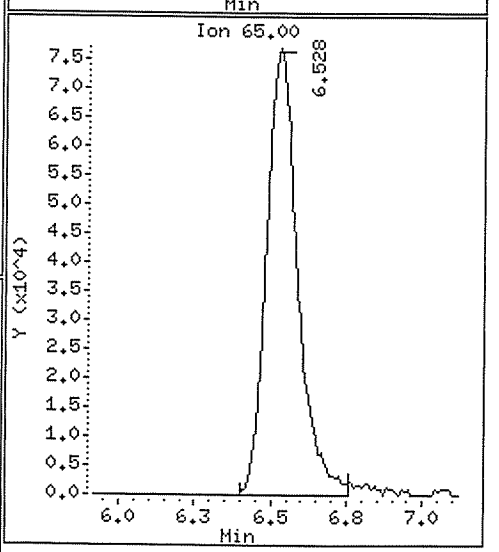
34 1,2-Dichloroethane-d4 2nd

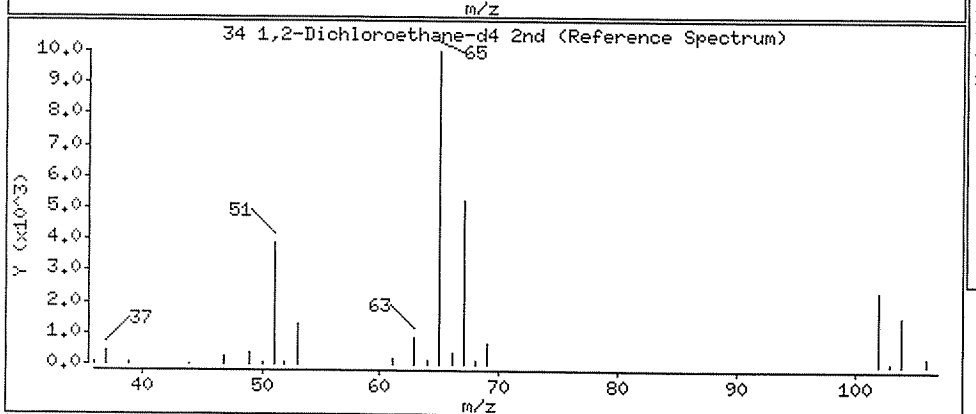
Concentration: 43.72 ug/Kg

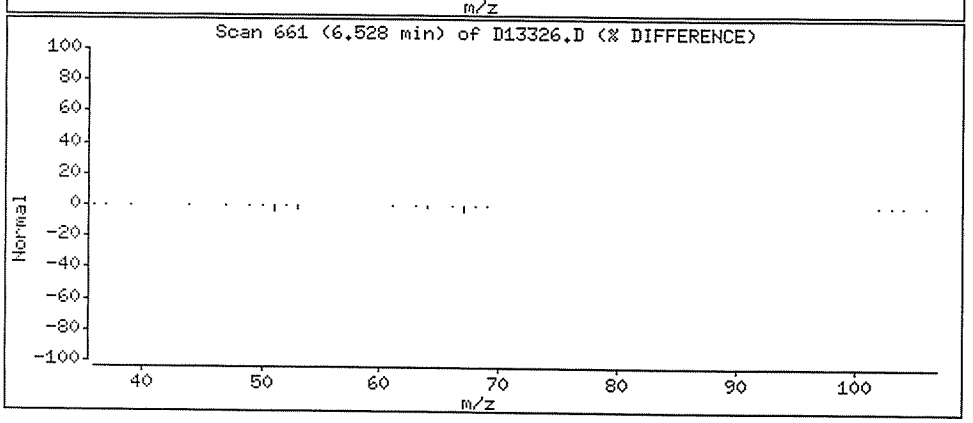












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13326.D

Date : 22-OCT-2000 19:07

Client ID: D13326

Instrument: md.i

Sample Info: DM0911AA,,2,,0,1,0,8260BDA.M,D13326

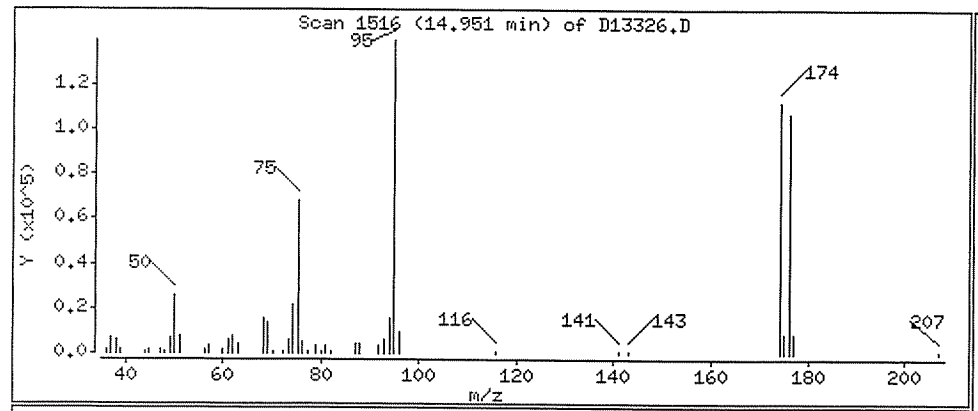
Operator: RRT

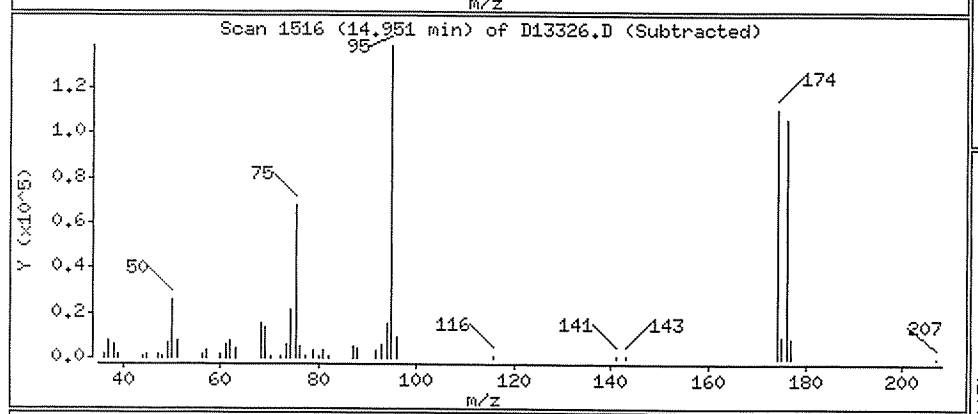
Column phase: J&W DB-624

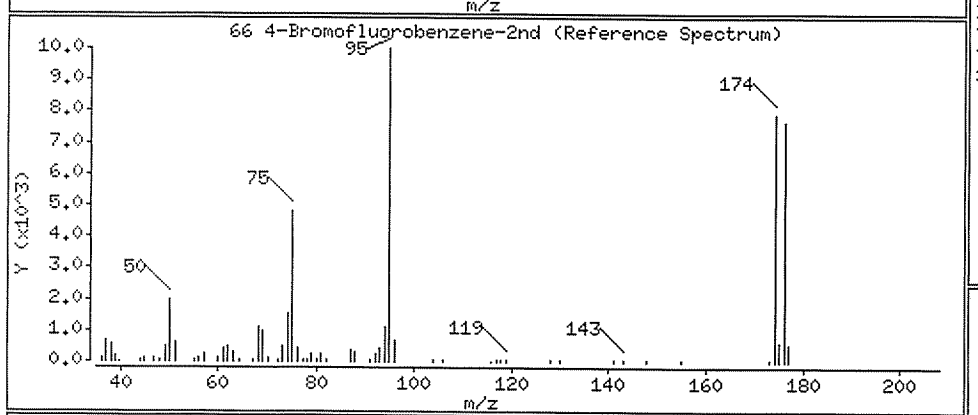
Column diameter: 0.53

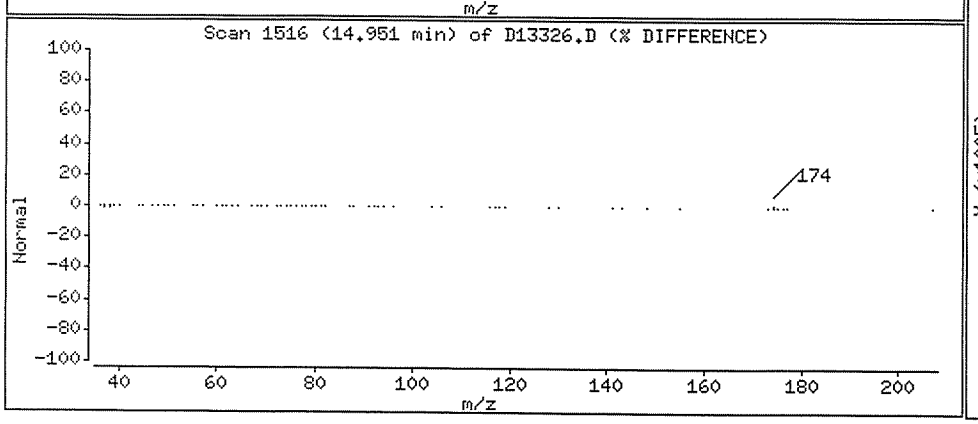
66 4-Bromofluorobenzene-2nd

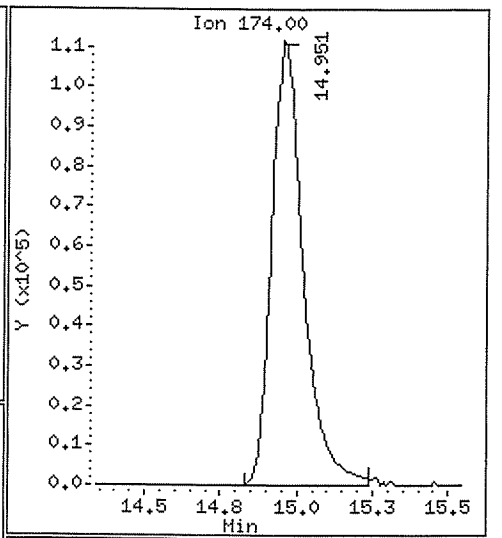
Concentration: 47.93 ug/Kg

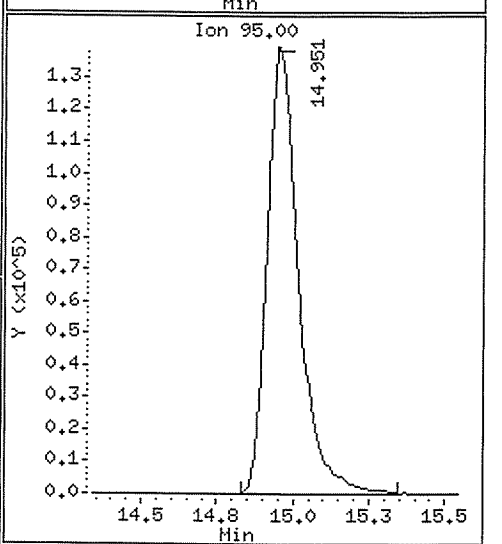


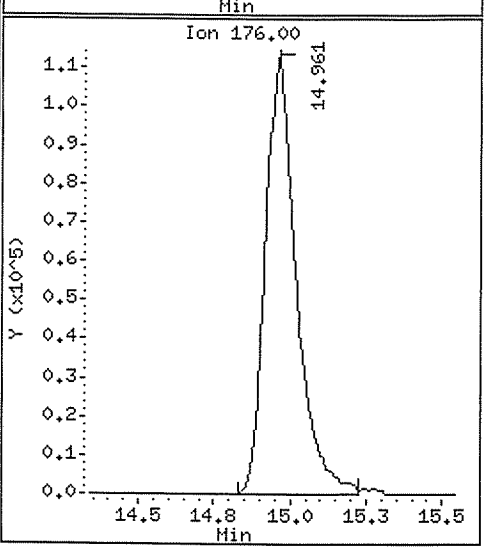












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13326.D

Date : 22-OCT-2000 19:07

Client ID: D13326

Instrument: md.i

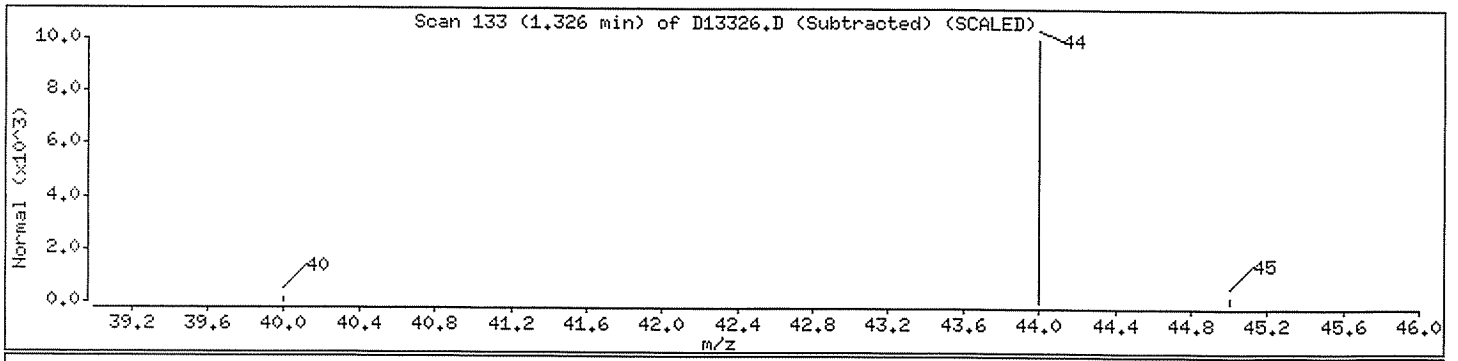
Sample Info: DM0911AA,,2,,0,1,0,8260BDA.M,D13326

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

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



Severn Trent Laboratories, Inc.
Data Review

Date 10/25/2000
Time 18:38:59

Lot/Sample: E0J110284-009 C-2-130-5 TICs.....: Y Report Results: Y
WO#.....: DM091-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 QK 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Volatile Organics, GC/MS (8260B) / SW846 / 8260B

Analysis Date: 10/22/00
Inject Time..: 19:07 Inject Vol: 5.0 Units: mL
Analyst.....: 004648 Ricardo Ramirez
Dil Factor: 1.00 Instr File: D13326.D
Instr ID: MSD Column: ID: .00
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:RAMIREZR 0/10/25 19:35:49
Prep Comments.....:
Analysis Comments...:
Result Units.....:ug/kg

Prep Date....: 10/22/00
QC Batch.....: 0299464
MS Run Number: 0299211
Prep Time....: 0:00- 0:00
Init Wgt/Vol.: 5 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:

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
00924	Dichlorodifluoromethane			ND	10	1		
00574	Chloromethane			ND	10	3		
02613	Vinyl chloride			ND	10	2		
00343	Bromomethane			ND	10	2		
00550	Chloroethane			ND	10	2		
01428	Trichlorofluoromethane			ND	10	2		
00039	Acrolein			ND	100	30		
00943	1,1-Dichloroethene			ND	5	2		
01536	Iodomethane			ND	10	5		
00011	Acetone			ND	25	15		
00459	Carbon disulfide			ND	5	2		
01811	Methylene chloride			ND	5	3		
00950	trans-1,2-Dichloroethen			ND	5	2		
00046	Acrylonitrile			ND	100	30		
02772	Methyl tert-butyl ether			ND	5	1		
00933	1,1-Dichloroethane			ND	5	1		
02610	Vinyl acetate			ND	10	5		
00990	2,2-Dichloropropane			ND	5	2		
00948	cis-1,2-Dichloroethene			ND	5	2		
00372	2-Butanone			ND	25	15		
00321	Bromochloromethane			ND	5	1		
00569	Chloroform			ND	5	1		

(Continued on next page)

Severn Trent Laboratories, Inc.
Data Review

Date 10/25/2000
Time 18:38:59

Lot/Sample: E0J110284-009 C-2-130-5 TICs.....: Y Report Results: Y
WO#.....: DM091-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 15 QK 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Volatile Organics, GC/MS (8260B) / SW846 / 8260B

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
02469	Tetrahydrofuran			ND	20	10		
02518	1,1,1-Trichloroethane			ND	5	1		
00996	1,1-Dichloropropene			ND	5	1		
00463	Carbon tetrachloride			ND	5	1		
00196	Benzene			ND	5	2		
00936	1,2-Dichloroethane			ND	5	1		
02525	Trichloroethene			ND	5	2		
00986	1,2-Dichloropropane			ND	5	1		
00323	Bromodichloromethane			ND	5	1		
00568	2-Chloroethyl vinyl eth			ND	10	5		
00998	cis-1,3-Dichloropropene			ND	5	1		
01845	4-Methyl-2-pentanone			ND	25	10		
02489	Toluene			ND	5	2		
01000	trans-1,3-Dichloroprope			ND	5	3		
02522	1,1,2-Trichloroethane			ND	5	3		
02445	Tetrachloroethene			ND	5	2		
01515	2-Hexanone			ND	25	10		
00535	Dibromochloromethane			ND	5	5		
00870	1,2-Dibromoethane			ND	5	3		
00521	Chlorobenzene			ND	5	2		
01332	Ethylbenzene			ND	5	2		
02627	Xylenes (total)			ND	5	3		
00340	Bromoform			ND	5	3		
02355	Styrene			ND	10	2		
01578	Isopropylbenzene			ND	5	2		
01590	p-Isopropyltoluene			ND	5	2		
04372	Tert-butyl ethyl ether			ND	10	1		
00318	Bromobenzene			ND	5	2		
02437	1,1,1,2-Tetrachloroetha			ND	5	3		
02439	1,1,2,2-Tetrachloroetha			ND	5	3		
02563	1,2,3-Trichloropropane			ND	5	3		
02247	n-Propylbenzene			ND	5	2		
00614	2-Chlorotoluene			ND	5	2		
00617	4-Chlorotoluene			ND	5	2		
02592	1,3,5-Trimethylbenzene			ND	5	2		
00398	tert-Butylbenzene			ND	5	2		
02587	1,2,4-Trimethylbenzene			ND	5	2		
00395	sec-Butylbenzene			ND	5	2		
00907	1,3-Dichlorobenzene			ND	5	2		

(Continued on next page)

Severn Trent Laboratories, Inc.
Data Review

Date 10/25/2000
Time 18:38:59

Lot/Sample: E0J110284-009 C-2-130-5
WO#.....: DM091-1-AA
SAC.....: XX A 15 QK 01
Method....: SOLID / Volatile Organics, GC/MS (8260B) / SW846 / 8260B

TICs.....: Y
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
00910	1,4-Dichlorobenzene			ND	5	2		
00904	1,2-Dichlorobenzene			ND	5	2		
00393	n-Butylbenzene			ND	5	2		
00539	1,2-Dibromo-3-chloropro			ND	10	3		
02515	1,2,4-Trichlorobenzene			ND	5	2		
01489	Hexachlorobutadiene			ND	5	2		
02514	1,2,3-Trichlorobenzene			ND	5	2		
02728	t-Butanol			ND	100	50		
01582	Isopropyl ether			ND	10	1		
04370	Tert-amyl methyl ether			ND	10	2		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
02730	Bromofluorobenzene		50.000	44.520	89.04		
02735	1,2-Dichloroethane-d4		50.000	41.980	83.96		
02740	Toluene-d8		50.000	45.440	90.88		

----- TENTATIVELY IDENTIFIED COMPOUNDS -----

TIC#	Name	Retention Time	CAS #	Estimated Result	M/Q	% Prob
0001	NONE	--	--	--	M	

STL Los Angeles

TARGET COMPOUNDS

Client Name:
Lab Smp Id: DM0911AA
Sample Location:
Sample Date:
Sample Matrix: SOIL
Analysis Type: VOA
Data Type: MS DATA
Misc Info: ,,5,,0,1-8260B.SUB,

Client SDG: SDGa54651
Client Smp ID: D13326
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: RRT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg	Q
75-71-8	Dichlorodifluoromethane	5.00	U
74-87-3	Chloromethane (**)	5.00	U
75-01-4	Vinyl chloride (*)	5.00	U
74-83-9	Bromomethane	5.00	U
75-00-3	Chloroethane	5.00	U
75-69-4	Trichlorofluoromethane	5.00	U
107-02-8	Acrolein	5.00	U
75-35-4	1,1-Dichloroethene(*)	5.00	U
76-13-1	1,1,2-Trichlorotrifluoroetha	5.00	U
67-64-1	Acetone	5.00	U
74-88-4	Iodomethane	5.00	U
75-15-0	Carbon disulfide	5.00	U
75-09-2	Methylene chloride	5.00	U
75650	t-Butanol	250.0	U
107-13-1	Acrylontrile	5.00	U
156-60-5	trans-1,2-Dichloroethene	5.00	U
108-05-4	Vinyl acetate	5.00	U
1634-04-4	Methyl-tert-butyl ether[MTBE	5.00	U
75-34-3	1,1-Dichloroethane (**)	5.00	U
108203	Isopropyl ether	5.00	U
637923	Tert-butyl ethyl ether	5.00	U
594-20-7	2,2-Dichloropropane	5.00	U
156-59-2	cis-1,2-Dichloroethene	5.00	U
78-93-3	2-Butanone	5.00	U
74-97-5	Bromochloromethane	5.00	U
109-99-9	Tetrahydrofuran	5.00	U
67-66-3	Chloroform (*)	5.00	U
540-59-0	1,2-Dichloroethene (total)	5.00	U
71-55-6	1,1,1-Trichloroethane	5.00	U
56-23-5	Carbon Tetrachloride	5.00	U
563-58-6	1,1-Dichloropropene	5.00	U
	1,2-Dichloroethane-d4 2nd	43.72	
71-43-2	Benzene	5.00	U
107-06-2	1,2-Dichloroethane	5.00	U
994058	Tert-amyl methyl ether	5.00	U

10-25-00

STL Los Angeles

TARGET COMPOUNDS

Client Name:
Lab Smp Id: DM0911AA
Sample Location:
Sample Date:
Sample Matrix: SOIL
Analysis Type: VOA
Data Type: MS DATA
Misc Info: ,,5,,0,1-8260B.SUB,

Client SDG: SDGa54651
Client Smp ID: D13326
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: RRT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg	Q
79-01-6	Trichloroethene	5.00	U
78-87-5	1,2-Dichloropropane(*)	5.00	U
74-95-3	Dibromomethane	5.00	U
75-27-4	Bromodichloromethane	5.00	U
110-75-8	2-Chloroethylvinyl ether	5.00	U
107-04-0	1-Bromo-2-chloroethane	5.00	U
10061-01-5	cis-1,3-Dichloropropene	5.00	U
108-10-1	4-Methyl-2-pentanone	5.00	U
108-88-3	Toluene (*)	5.00	U
10061-02-6	trans-1,3-Dichloropropene	5.00	U
79-00-5	1,1,2-Trichloroethane	5.00	U
127-18-4	Tetrachloroethene	5.00	U
142-28-9	1,3-Dichloropropane	5.00	U
591-78-6	2-Hexanone	5.00	U
124-48-1	Dibromochloromethane	5.00	U
106-93-4	1,2-Dibromoethane	5.00	U
108-90-7	Chlorobenzene (**)	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane	5.00	U
100-41-4	Ethylbenzene (*)	5.00	U
136777-61-2	m,p-Xylenes	5.00	U
95-47-6	o-Xylene	5.00	U
100-42-5	Styrene	5.00	U
1330-20-7	Xylenes (total)	5.00	U
75-25-2	Bromoform (**)	5.00	U
98-82-8	Isopropylbenzene	5.00	U
	4-Bromofluorobenzene-2nd	47.93	
108-86-1	Bromobenzene	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane(**	5.00	U
96-18-4	1,2,3-Trichloropropane	5.00	U
103-65-1	n-Propylbenzene	5.00	U
95-49-8	2-Chlorotoluene	5.00	U
106-43-4	4-Chlorotoluene	5.00	U
108-67-8	1,3,5-Trimethylbenzene	5.00	U
98-06-6	tert-Butylbenzene	5.00	U
95-63-6	1,2,4-Trimethylbenzene	5.00	U

STL Los Angeles

TARGET COMPOUNDS

Client Name:
Lab Smp Id: DM0911AA
Sample Location:
Sample Date:
Sample Matrix: SOIL
Analysis Type: VOA
Data Type: MS DATA
Misc Info: ,,5,,0,1-8260B.SUB,

Client SDG: SDGa54651
Client Smp ID: D13326
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: RRT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg	Q
135-98-8	sec-Butylbenzene	5.00	U
541-73-1	1,3-Dichlorobenzene	5.00	U
106-46-7	1,4-Dichlorobenzene	5.00	U
99-87-6	p-Isopropyltoluene	5.00	U
95-50-1	1,2-Dichlorobenzene	5.00	U
104-51-8	n-Butylbenzene	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane	5.00	U
120-82-1	1,2,4-Trichlorobenzene	5.00	U
87-68-3	Hexachlorobutadiene	5.00	U
91-20-3	Napthalene	5.00	U
87-61-6	1,2,3-Trichlorobenzene	5.00	U
1868-53-7	Dibromofluoromethane	45.90	
17060-07-0	1,2-Dichloroethane-d4	41.98	
2037-26-5	Toluene-d8	45.44	
460-00-4	4-Bromofluorobenzene	44.52	

STL Los Angeles

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: DM0911AA
Level: LOW
Data Type: MS DATA
SpikeList File: SH.spk
Sublist File: 1-8260B.SUB
Method File: \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Misc Info: ,,5,,0,1-8260B.SUB,

Client SDG: SDGa54651
Fraction: VOA
Client Smp ID: D13326
Operator: RRT
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 29 Dibromofluorometha	50.00	45.90	91.80	70-130
$ 33 1,2-Dichloroethane	50.00	41.98	83.96	60-140
$ 47 Toluene-d8	50.00	45.44	90.88	70-130
$ 67 4-Bromofluorobenze	50.00	44.52	89.04	70-130

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: D13326.D
Lab Smp Id: DM0911AA
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Misc Info: ,,5,,0,1-8260B.SUB,

Calibration Date: 22-OCT-2000
Calibration Time: 11:16
Client Smp ID: D13326
Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1535045	767523	3070090	1382948	-9.91
56 Chlorobenzene-d5	1319774	659887	2639548	1215484	-7.90
79 1,4-Dichlorobenze	970393	485197	1940786	845448	-12.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.08	6.58	7.58	7.10	0.24
56 Chlorobenzene-d5	12.60	12.10	13.10	12.62	0.13
79 1,4-Dichlorobenze	17.26	16.76	17.76	17.27	0.04

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

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B/D13326.D

STL Los Angeles Diagnostics Report

Data File : \\SANP2021\D\CHEM\MD.I\1022AD.B/D13326.D
Smp Info : DM0911AA,,2,,0,1,0,8260BDA.M,D13326
Misc Info : ,,5,,0,1-8260B.SUB,

Inj Date : 22-OCT-2000 19:07
Sub List : 1-8260B.SUB

QUANTITATION MODE : From initial calibration

	Compound Name	Quant Ion	RT	Exp. RT	Diff.	Area	R.F.	On Column Conc.	I.S. Group
1)	Dichlorodifluoromethane	85	0.00	1.46	--	0	0.44644	0.00	1
3)	Chloromethane (**)	50	0.00	1.62	--	0	0.19012	0.00	1
2)	Vinyl chloride (*)	62	0.00	1.69	--	0	0.21607	0.00	1
4)	Bromomethane	94	0.00	1.97	--	0	0.21985	0.00	1
5)	Chloroethane	64	0.00	2.06	--	0	0.13964	0.00	1
6)	Trichlorofluoromethane	101	0.00	2.29	--	0	0.71629	0.00	1
7)	Acrolein	56	0.00	2.70	--	0	0.01339	0.00	1
8)	1,1-Dichloroethene(*)	96	0.00	2.79	--	0	0.28163	0.00	1
9)	1,1,2-Trichlorotrifluoroethan	151	0.00	2.80	--	0	0.46984	0.00	1
10)	Acetone	43	0.00	2.87	--	0	0.05535	0.00	1
11)	Iodomethane	142	0.00	2.93	--	0	0.54249	0.00	1
12)	Carbon disulfide	76	0.00	3.00	--	0	0.63173	0.00	1
13)	Methylene chloride	84	0.00	3.31	--	0	0.28611	0.00	1
14)	t-Butanol	59	0.00	3.56	--	0	0.00532	0.00	1
16)	Acrylontrile	53	0.00	3.65	--	0	0.00532	0.00	1
15)	trans-1,2-Dichloroethene	96	0.00	3.66	--	0	0.32668	0.00	1
17)	Methyl-tert-butyl ether[MTBE]	73	0.00	3.70	--	0	0.75221	0.00	1
18)	1,1-Dichloroethane (**)	63	0.00	4.25	--	0	0.56293	0.00	1
19)	Vinyl acetate	43	0.00	4.39	--	0	0.72587	0.00	1
20)	Isopropyl ether	45	0.00	4.42	--	0	0.97354	0.00	1
22)	Tert-butyl ethyl ether	59	0.00	4.99	--	0	0.93101	0.00	1
21)	2,2-Dichloropropane	77	0.00	5.14	--	0	0.61103	0.00	1
23)	cis-1,2-Dichloroethene	96	0.00	5.17	--	0	0.33158	0.00	1
24)	2-Butanone	43	0.00	5.25	--	0	0.09614	0.00	1
25)	Bromochloromethane	128	0.00	5.54	--	0	0.21883	0.00	1
27)	Tetrahydrofuran	42	0.00	5.66	--	0	0.05809	0.00	1
26)	Chloroform (*)	83	0.00	5.71	--	0	0.73233	0.00	1
28)	1,2-Dichloroethene (total)	100	0.00	5.92	--	0	0.32913	0.00	1
30)	1,1,1-Trichloroethane	97	0.00	5.97	--	0	0.76256	0.00	1
29) $	Dibromofluoromethane	111	6.00	5.97	-0.03	902898	0.71120	45.90	1
31)	Carbon Tetrachloride	117	0.00	6.22	--	0	0.72937	0.00	1
32)	1,1-Dichloropropene	75	0.00	6.23	--	0	0.54325	0.00	1
34)	1,2-Dichloroethane-d4 2nd	102	6.53	6.52	-0.01	117113	0.09685	43.72	1
33) $	1,2-Dichloroethane-d4	65	6.53	6.51	-0.02	557331	0.48005	41.98	1
35)	Benzene	78	0.00	6.59	--	0	0.84852	0.00	1
36)	1,2-Dichloroethane	62	0.00	6.65	--	0	0.53432	0.00	1
37)	Tert-amyl methyl ether	73	0.00	6.88	--	0	0.88326	0.00	1
38) *	Fluorobenzene	96	7.10	7.08	-0.02	1382948	1.00000	50.00	1
39)	Trichloroethene	130	0.00	7.72	--	0	0.46731	0.00	1
40)	1,2-Dichloropropane(*)	63	0.00	8.12	--	0	0.34594	0.00	1
41)	Dibromomethane	93	0.00	8.31	--	0	0.32224	0.00	1
42)	Bromodichloromethane	83	0.00	8.64	--	0	0.71616	0.00	1
43)	1-Bromo-2-chloroethane	63	0.00	9.16	--	0	0.78851	0.00	1
44)	2-Chloroethylvinyl ether	106	0.00	9.26	--	0	0.04393	0.00	1
45)	cis-1,3-Dichloropropene	75	0.00	9.46	--	0	0.54033	0.00	1

Data File : \\SANP2021\D\CHEM\MD.I\1022AD.B/D13326.D
Smp Info : DM0911AA,,2,,0,1,0,8260BDA.M,D13326
Misc Info : ,,5,,0,1-8260B.SUB,

Inj Date : 22-OCT-2000 19:07
Sub List : 1-8260B.SUB

QUANTITATION MODE : From initial calibration

		Compound Name	Quant Ion	RT	Exp. RT	Diff.	Area	R.F.	On Column Conc.	I.S. Group
46)		4-Methyl-2-pentanone	43	0.00	9.80	--	0	0.26017	0.00	1
47)	$	Toluene-d8	98	9.92	9.91	-0.01	1278606	1.15749	45.44	2
48)		Toluene (*)	91	0.00	10.03	--	0	1.22215	0.00	2
49)		trans-1,3-Dichloropropene	75	0.00	10.51	--	0	0.55799	0.00	2
50)		1,1,2-Trichloroethane	97	0.00	10.83	--	0	0.40315	0.00	2
51)		Tetrachloroethene	164	0.00	11.03	--	0	0.55481	0.00	2
52)		1,3-Dichloropropane	76	0.00	11.11	--	0	0.63464	0.00	2
53)		2-Hexanone	43	0.00	11.38	--	0	0.22062	0.00	2
54)		Dibromochloromethane	129	0.00	11.54	--	0	0.73783	0.00	2
55)		1,2-Dibromoethane	107	0.00	11.69	--	0	0.61043	0.00	2
56)	*	Chlorobenzene-d5	117	12.62	12.60	-0.02	1215484	1.00000	50.00	2
57)		Chlorobenzene (**)	112	0.00	12.66	--	0	0.98253	0.00	2
58)		1,1,1,2-Tetrachloroethane	131	0.00	12.87	--	0	0.59402	0.00	2
59)		Ethylbenzene (*)	106	0.00	12.91	--	0	0.45846	0.00	2
60)		m,p-Xylenes	106	0.00	13.17	--	0	0.57596	0.00	2
61)		o-Xylene	106	0.00	13.92	--	0	0.55644	0.00	2
62)		Styrene	104	0.00	13.95	--	0	0.92422	0.00	2
63)		Xylenes (total)	100	0.00	14.03	--	0	0.56945	0.00	2
64)		Bromoform (**)	173	0.00	14.27	--	0	0.59517	0.00	2
65)		Isopropylbenzene	105	0.00	14.68	--	0	1.75437	0.00	2
66)		4-Bromofluorobenzene-2nd	174	14.95	14.94	-0.01	806850	0.99560	47.93	3
67)	$	4-Bromofluorobenzene	95	14.95	14.94	-0.01	1000399	1.32880	44.52	3
68)		Bromobenzene	156	0.00	15.18	--	0	0.83061	0.00	3
69)		1,1,2,2-Tetrachloroethane(**)	83	0.00	15.33	--	0	0.85523	0.00	3
70)		1,2,3-Trichloropropane	110	0.00	15.35	--	0	0.28010	0.00	3
71)		n-Propylbenzene	91	0.00	15.52	--	0	2.58803	0.00	3
72)		2-Chlorotoluene	126	0.00	15.61	--	0	0.62571	0.00	3
73)		4-Chlorotoluene	126	0.00	15.84	--	0	0.65344	0.00	3
74)		1,3,5-Trimethylbenzene	105	0.00	15.89	--	0	2.08187	0.00	3
75)		tert-Butylbenzene	119	0.00	16.52	--	0	2.15036	0.00	3
76)		1,2,4-Trimethylbenzene	105	0.00	16.63	--	0	2.11961	0.00	3
77)		sec-Butylbenzene	105	0.00	16.97	--	0	2.82015	0.00	3
78)		1,3-Dichlorobenzene	146	0.00	17.12	--	0	1.39311	0.00	3
79)	*	1,4-Dichlorobenzene-d4	152	17.27	17.26	-0.01	845448	1.00000	50.00	3
81)		p-Isopropyltoluene	119	0.00	17.29	--	0	2.32696	0.00	3
80)		1,4-Dichlorobenzene	146	0.00	17.30	--	0	1.51990	0.00	3
82)		1,2-Dichlorobenzene	146	0.00	18.04	--	0	1.33233	0.00	3
83)		n-Butylbenzene	91	0.00	18.14	--	0	2.22197	0.00	3
84)		1,2-Dibromo-3-chloropropane	157	0.00	19.67	--	0	0.28987	0.00	3
85)		1,2,4-Trichlorobenzene	180	0.00	21.38	--	0	1.23050	0.00	3
86)		Hexachlorobutadiene	225	0.00	21.80	--	0	0.92928	0.00	3
87)		Napthalene	128	0.00	21.84	--	0	1.86163	0.00	3
88)		1,2,3-Trichlorobenzene	180	0.00	22.36	--	0	1.14824	0.00	3

* - Compound is an internal standard
$ - Compound is a surrogate

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\D13327.D
Lab Smp Id: DM0921AA Client Smp ID: D13327
Inj Date : 22-OCT-2000 19:38
Operator : RRT Inst ID: md.i
Smp Info : DM0921AA,,2,,0,1,0,8260BDA.M,D13327
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	6.002	5.969	(0.845)	926208	45.4711	45.47
$ 33 1,2-Dichloroethane-d4	65	6.534	6.511	(0.920)	572050	41.6072	41.61
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.521	(0.918)	120410	43.4099	43.41
* 38 Fluorobenzene	96	7.106	7.082	(1.000)	1432036	50.0000	
$ 47 Toluene-d8	98	9.933	9.910	(0.787)	1295117	44.0635	44.06
* 56 Chlorobenzene-d5	117	12.623	12.599	(1.000)	1269651	50.0000	
$ 67 4-Bromofluorobenzene	95	14.958	14.944	(0.866)	1057081	44.8068	44.81
66 4-Bromofluorobenzene-2nd	174	14.958	14.944	(0.866)	841503	47.6068	47.61
* 79 1,4-Dichlorobenzene-d4	152	17.273	17.259	(1.000)	887714	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\1022AD.B\D13327.D
Lab Smp Id: DM0921AA Client Smp ID: D13327
Inj Date : 22-OCT-2000 19:38
Operator : RRT Inst ID: md.i
Smp Info : DM0921AA,,2,,0,1,0,8260BDA.M,D13327
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.105	3185269	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.322	518342	8.13654507	8.14	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM0921AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13327
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

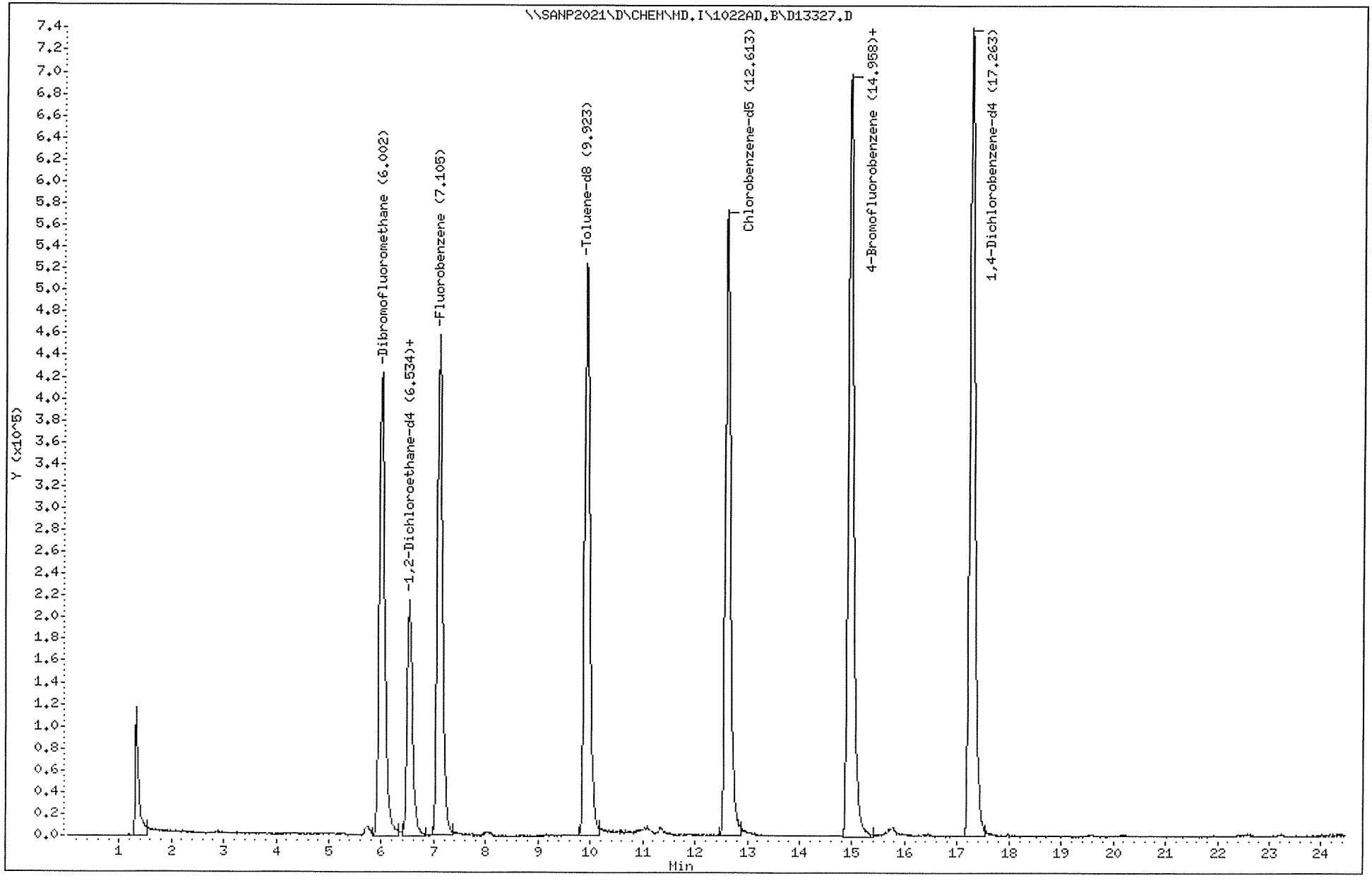
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ 3	1.322	8.14	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13327.D
Date : 22-OCT-2000 19:38
Client ID: D13327
Sample Info: DM0921AA,,2,,0,1,0,8260BDA.M,D13327

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000573

BOE-C6-0165188

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13327.D

Date : 22-OCT-2000 19:38

Client ID: D13327

Instrument: md.i

Sample Info: DM0921AA,,2,,0,1,0,8260BDA.M,D13327

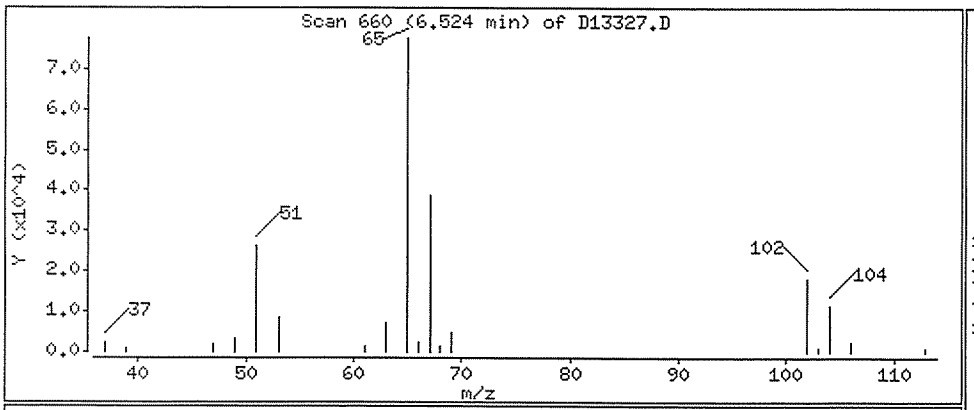
Operator: RRT

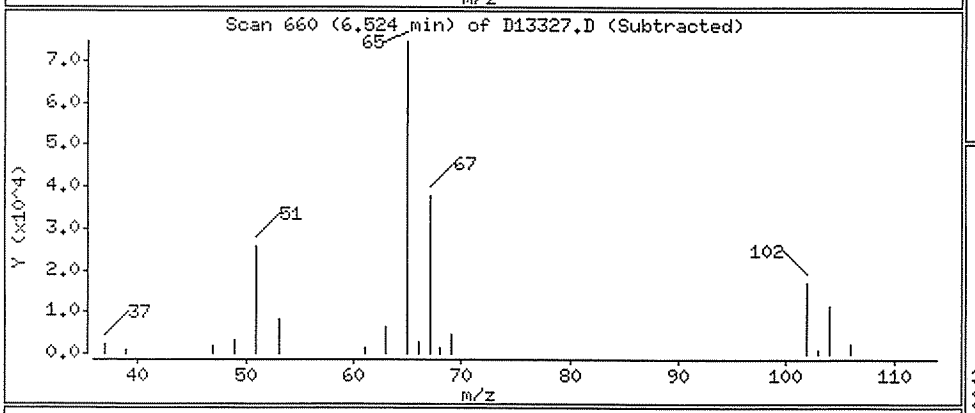
Column phase: J&W DB-624

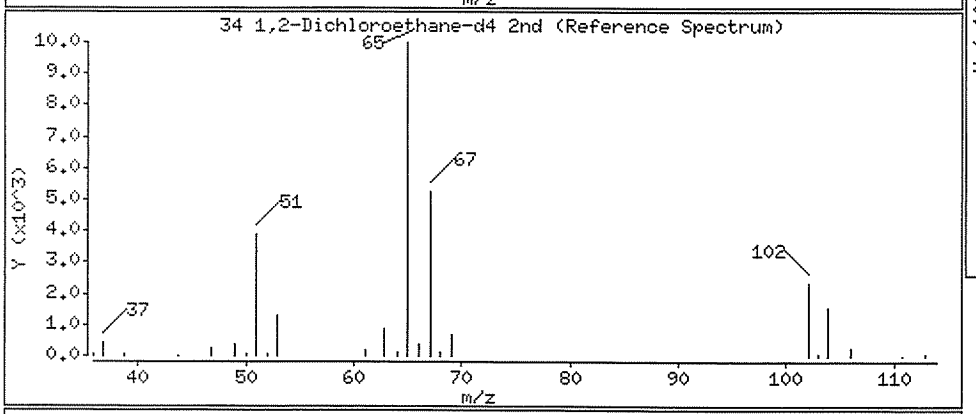
Column diameter: 0.53

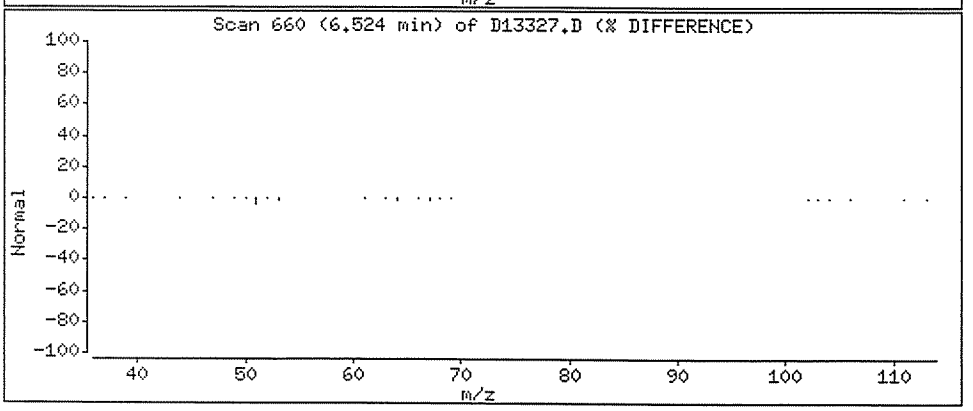
34 1,2-Dichloroethane-d4 2nd

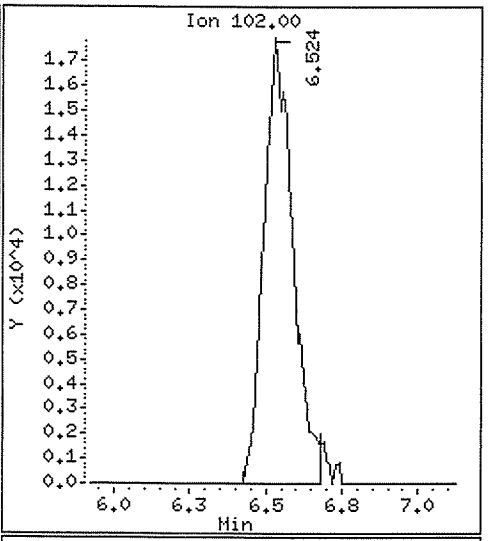
Concentration: 43.41 ug/Kg

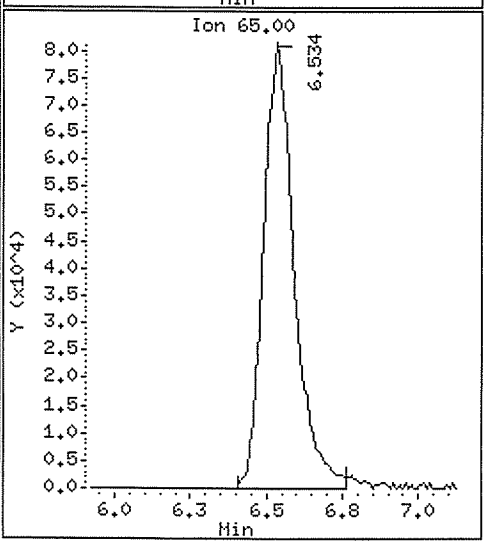












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13327.D

Date : 22-OCT-2000 19:38

Client ID: D13327

Instrument: md.i

Sample Info: DM0921AA,,2,,0,1,0,8260BDA.M,D13327

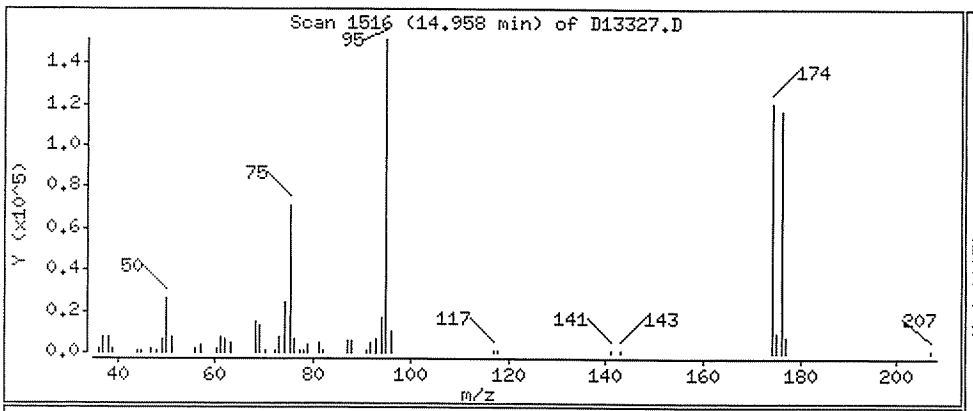
Operator: RRT

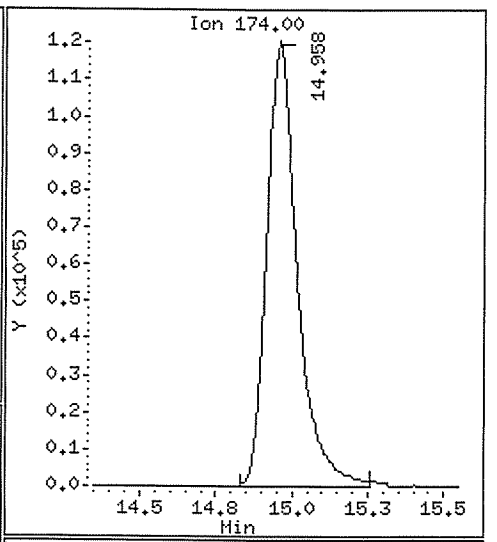
Column phase: J&W DB-624

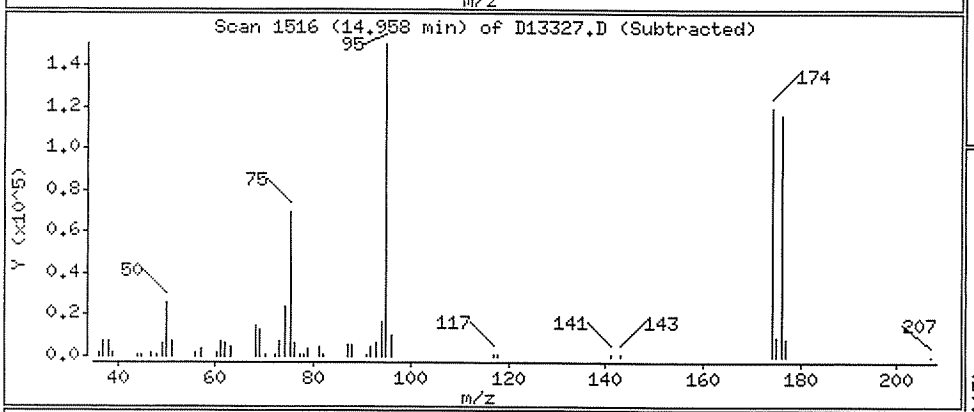
Column diameter: 0.53

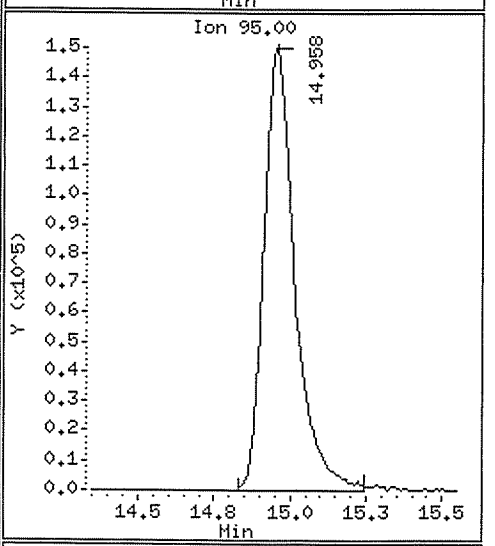
66 4-Bromofluorobenzene-2nd

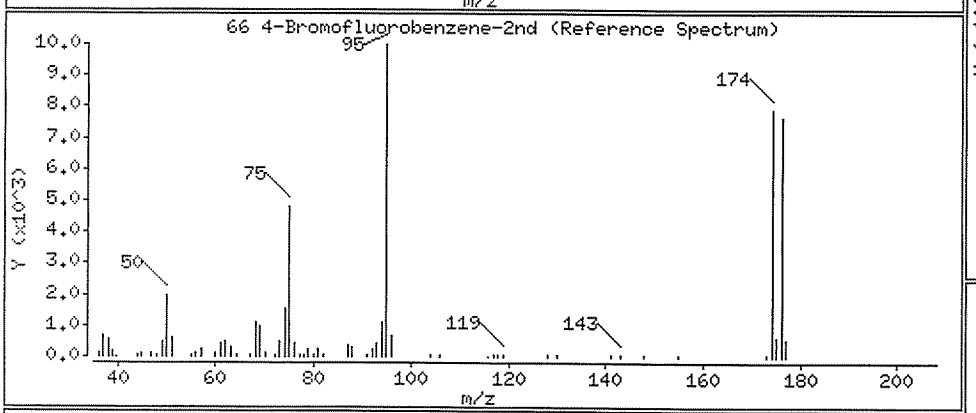
Concentration: 47.61 ug/Kg

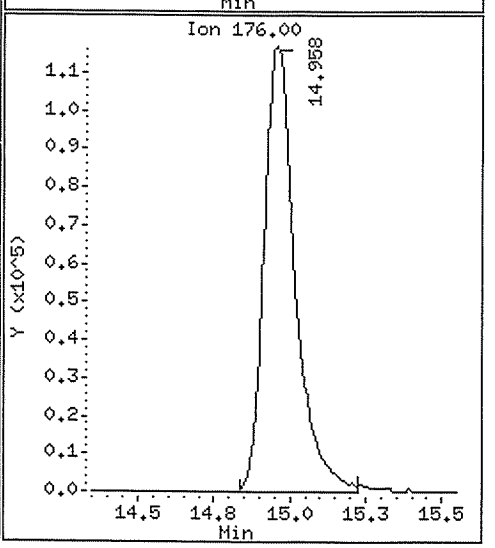


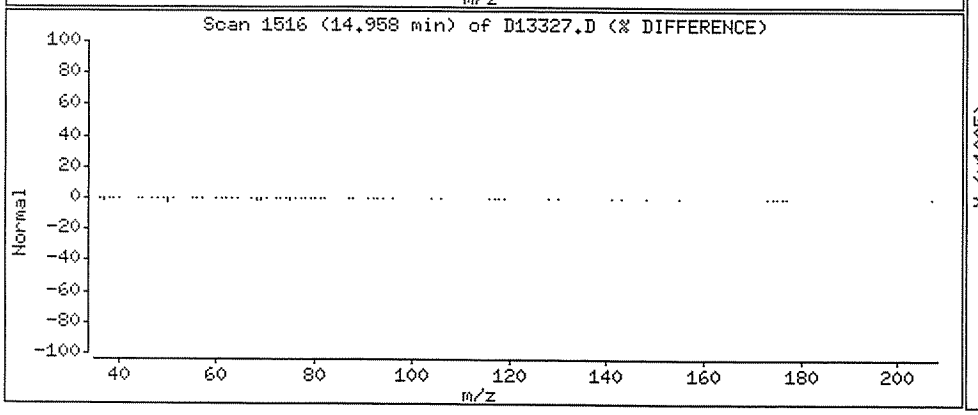












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13327.D

Date : 22-OCT-2000 19:38

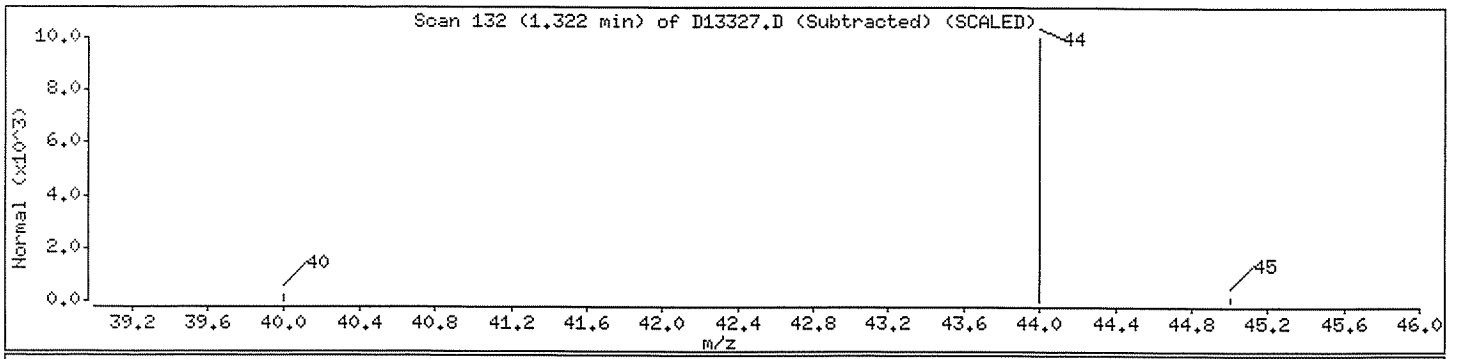
Client ID: D13327 Instrument: md.i

Sample Info: DM0921AA,,2,,0,1,0,8260BDA.M,D13327

Operator: RRT

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\1022AD.B\D13328.D
Lab Smp Id: DM0931AA Client Smp ID: D13328
Inj Date : 22-OCT-2000 20:10
Operator : RRT Inst ID: md.i
Smp Info : DM0931AA,,2,,0,1,0,8260BDA.M,D13328
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.987	5.969	(0.842)	932551	46.4307	46.43
$ 33 1,2-Dichloroethane-d4	65	6.539	6.511	(0.920)	577530	42.6004	42.60
34 1,2-Dichloroethane-d4 2nd	102	6.519	6.521	(0.917)	121628	44.4695	44.47
* 38 Fluorobenzene	96	7.110	7.082	(1.000)	1412045	50.0000	
$ 47 Toluene-d8	98	9.928	9.910	(0.787)	1295728	45.0892	45.09
* 56 Chlorobenzene-d5	117	12.618	12.599	(1.000)	1241355	50.0000	
$ 67 4-Bromofluorobenzene	95	14.953	14.944	(0.866)	1018463	45.4077	45.41
66 4-Bromofluorobenzene-2nd	174	14.953	14.944	(0.866)	816739	48.6010	48.60
* 79 1,4-Dichlorobenzene-d4	152	17.268	17.259	(1.000)	843965	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\1022AD.B\D13328.D
Lab Smp Id: DM0931AA Client Smp ID: D13328
Inj Date : 22-OCT-2000 20:10
Operator : RRT Inst ID: md.i
Smp Info : DM0931AA,,2,,0,1,0,8260BDA.M,D13328
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.110	3154043	50.000

	RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown	1.327	546173	8.65830461	8.66	0	CAS #:	0	38

000578

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM0931AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13328
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

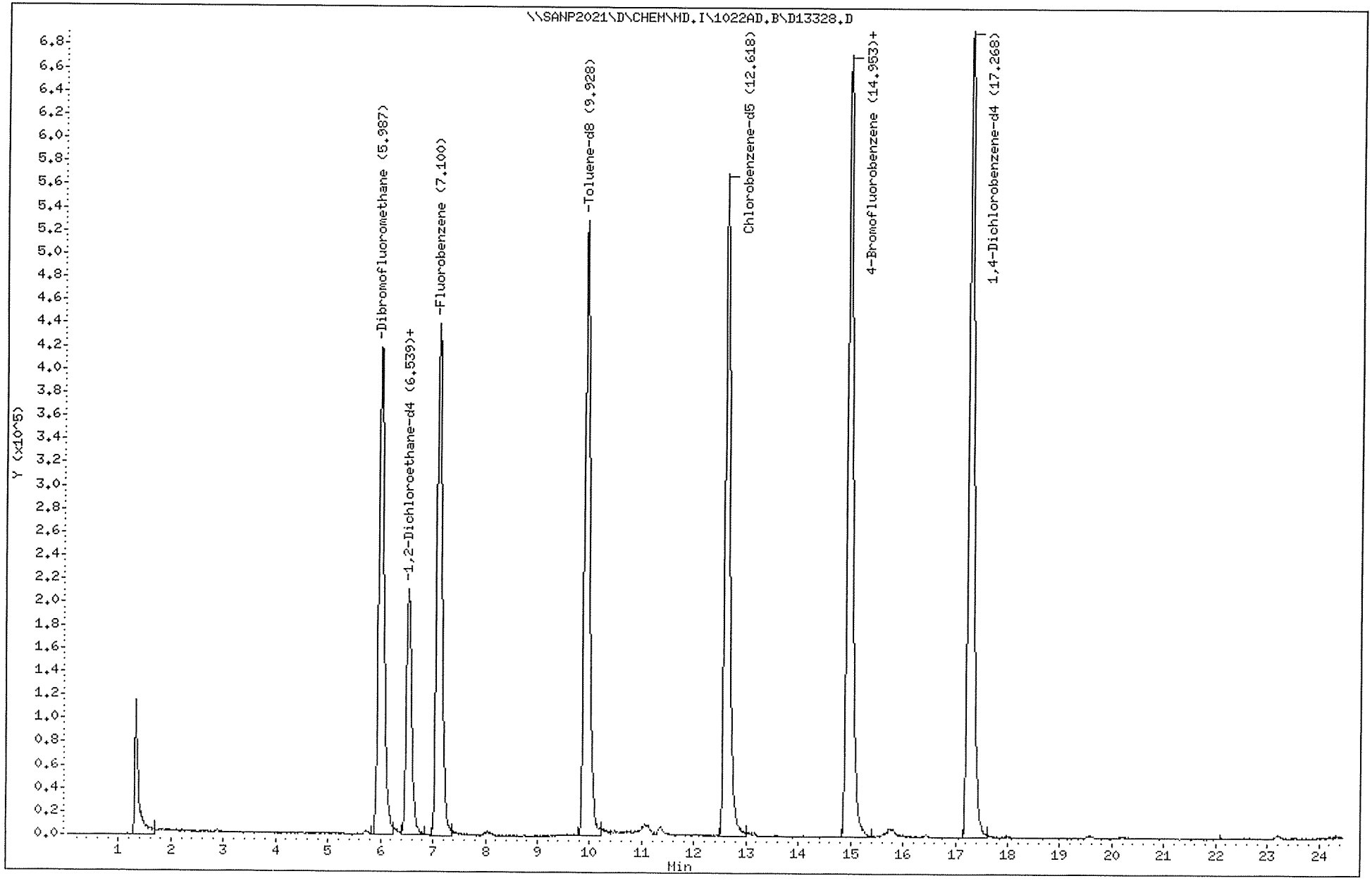
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ NV	1.327	8.66	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13328.D
Date : 22-OCT-2000 20:10
Client ID: D13328
Sample Info: DM0931AA,,2,,0,1,0,8260BDA.M,D13328

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000580

BOE-C6-0165195

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13328.D

Date : 22-OCT-2000 20:10

Client ID: D13328

Instrument: md.i

Sample Info: DM0931AA,,2,,0,1,0,8260BDA.M,D13328

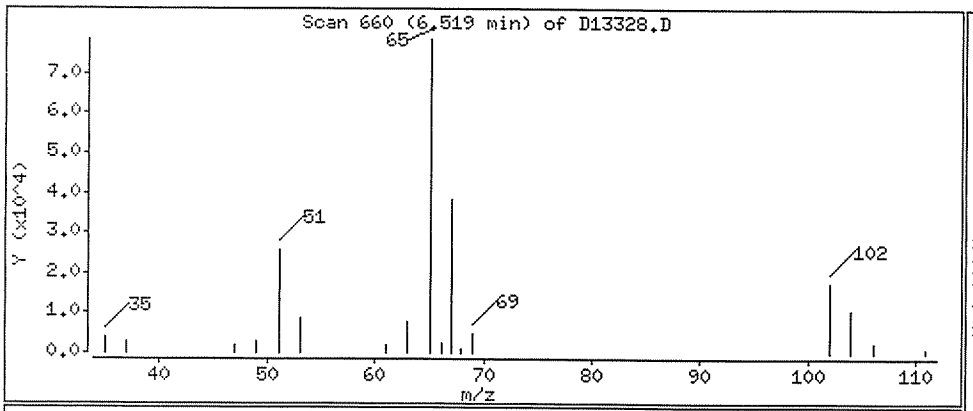
Operator: RRT

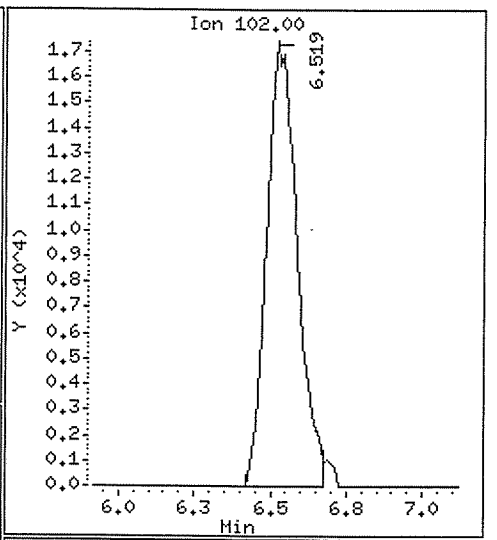
Column phase: J&W DB-624

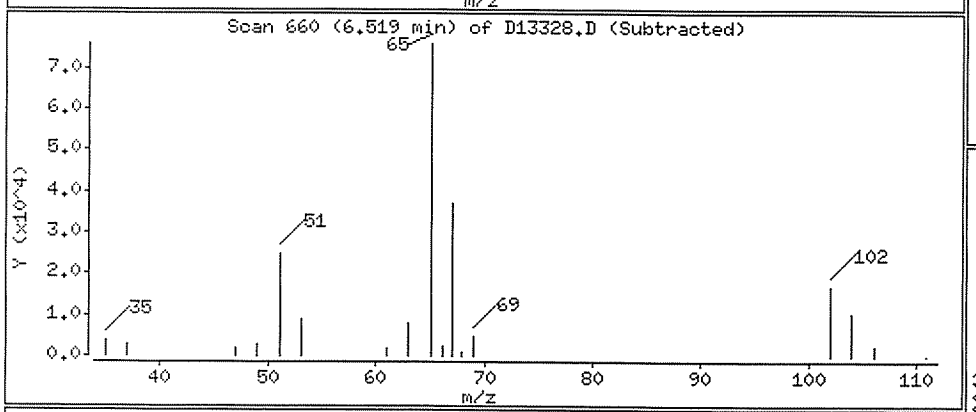
Column diameter: 0.53

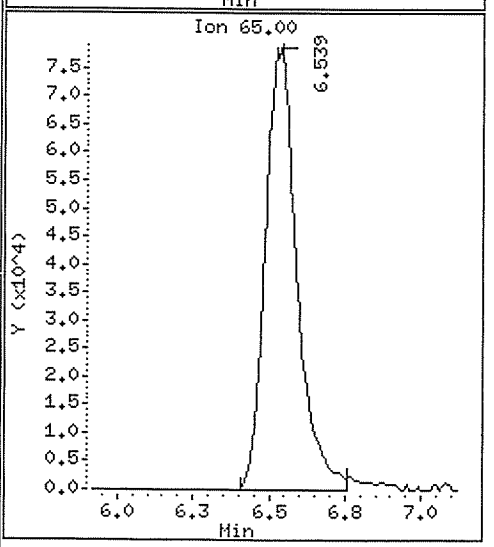
34 1,2-Dichloroethane-d4 2nd

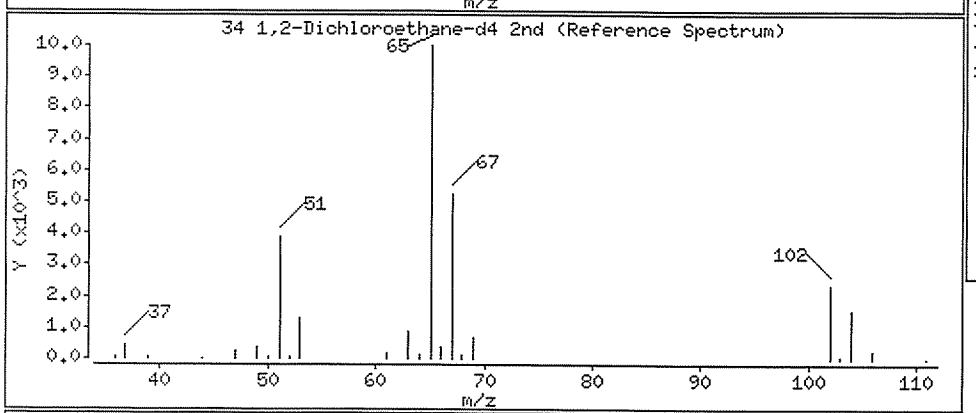
Concentration: 44.47 ug/Kg

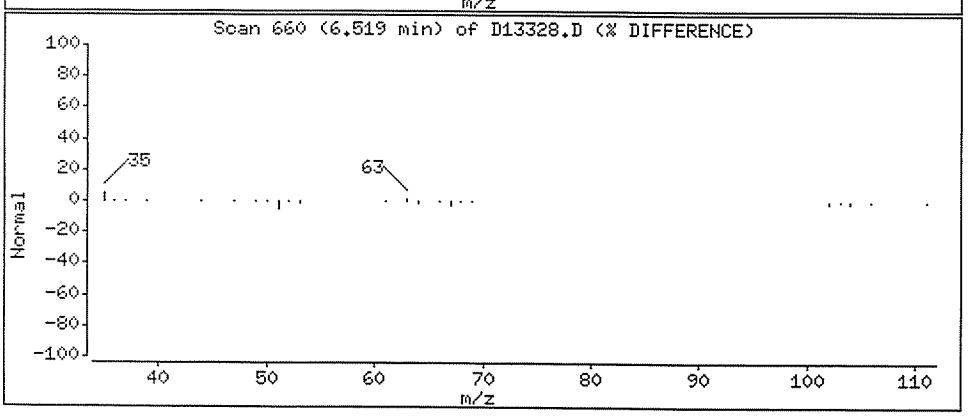












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13328.D

Date : 22-OCT-2000 20:10

Client ID: D13328

Instrument: md.i

Sample Info: DM0931AA,,2,,0,1,0,8260BDA.M,D13328

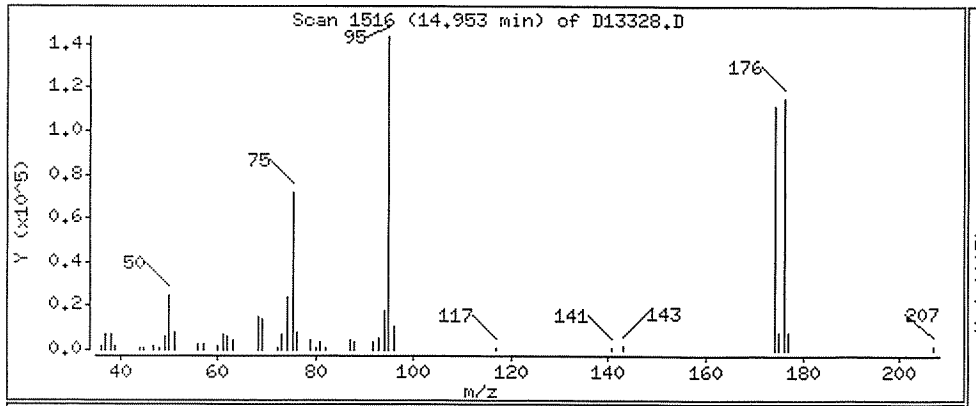
Operator: RRT

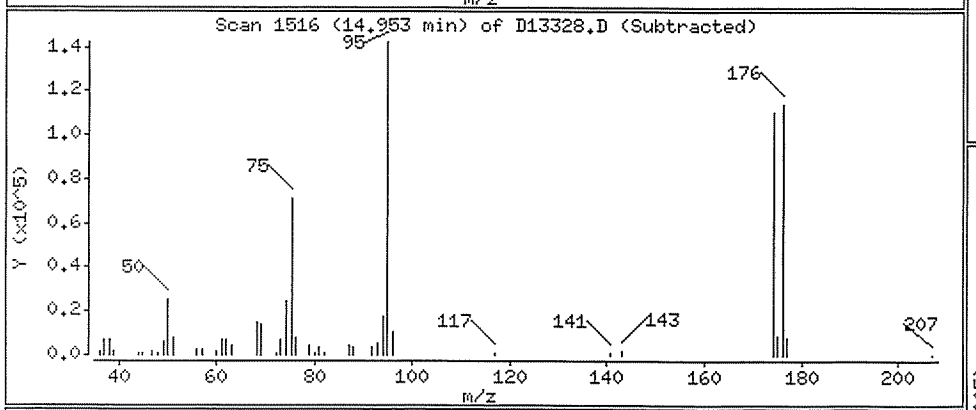
Column phase: J&W DB-624

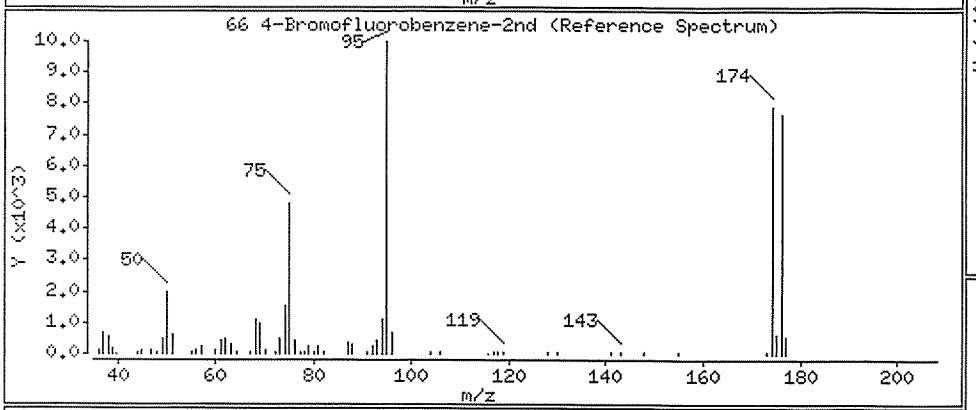
Column diameter: 0.53

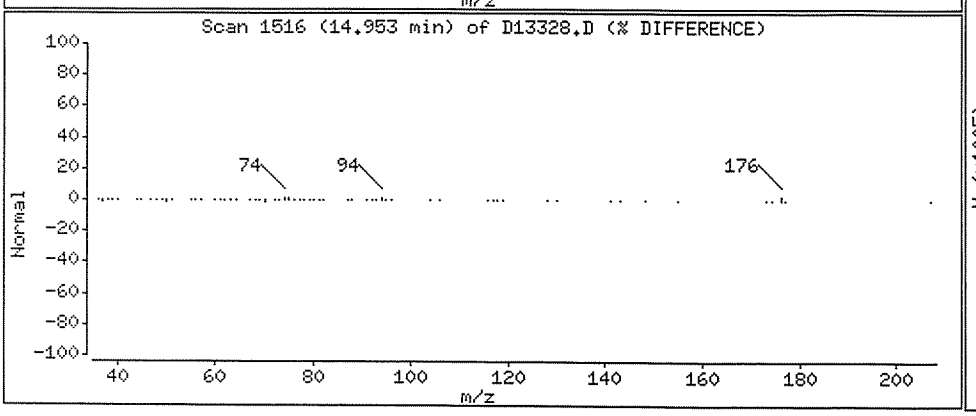
66 4-Bromofluorobenzene-2nd

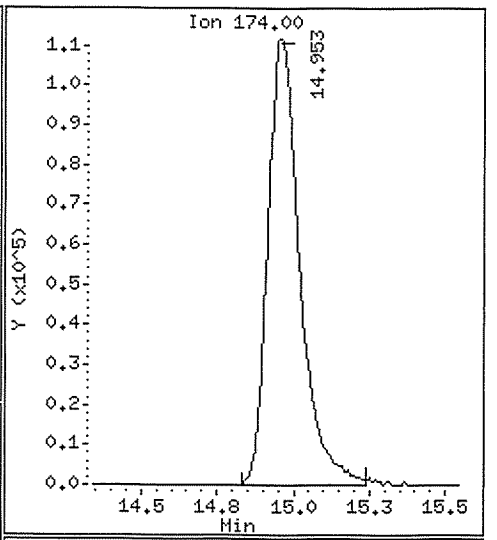
Concentration: 48.60 ug/Kg

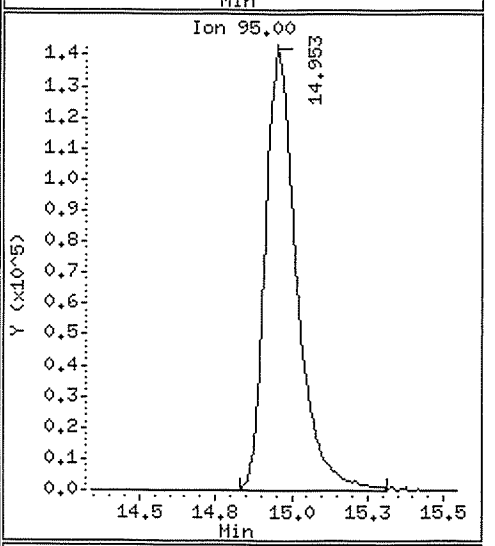


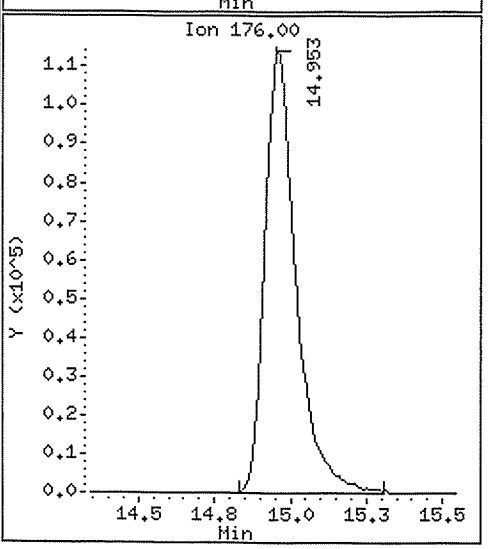












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13328.D

Date : 22-OCT-2000 20:10

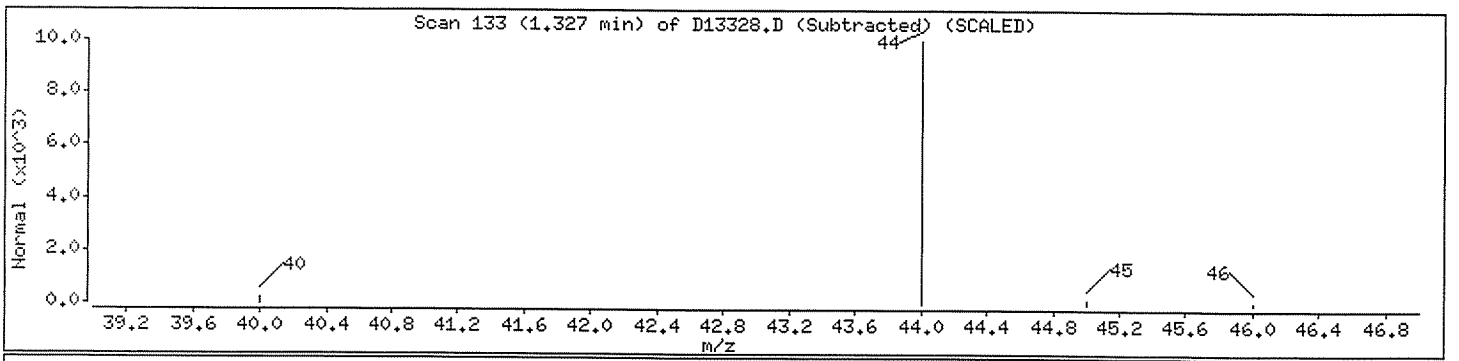
Client ID: D13328 Instrument: md.i

Sample Info: DM0931AA,,2,,0,1,0,8260BDA.M,D13328

Operator: RRT

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\1022AD.B\D13329.D
Lab Smp Id: DM0961AA Client Smp ID: D13329
Inj Date : 22-OCT-2000 20:42
Operator : RRT Inst ID: md.i
Smp Info : DM0961AA,,2,,0,1,0,8260BDA.M,D13329
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.988	5.969	(0.843)	931328	48.2022	48.20
$ 33 1,2-Dichloroethane-d4	65	6.530	6.511	(0.920)	572827	43.9233	43.92
34 1,2-Dichloroethane-d4 2nd	102	6.520	6.521	(0.918)	121796	46.2908	46.29
* 38 Fluorobenzene	96	7.101	7.082	(1.000)	1358365	50.0000	
$ 47 Toluene-d8	98	9.929	9.910	(0.787)	1296352	44.9898	44.99
* 56 Chlorobenzene-d5	117	12.618	12.599	(1.000)	1244698	50.0000	
$ 67 4-Bromofluorobenzene	95	14.963	14.944	(0.866)	1054654	44.3053	44.30
66 4-Bromofluorobenzene-2nd	174	14.953	14.944	(0.866)	846021	47.4355	47.44
* 79 1,4-Dichlorobenzene-d4	152	17.269	17.259	(1.000)	895702	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\1022AD.B\D13329.D
Lab Smp Id: DM0961AA Client Smp ID: D13329
Inj Date : 22-OCT-2000 20:42
Operator : RRT Inst ID: md.i
Smp Info : DM0961AA,,2,,0,1,0,8260BDA.M,D13329
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.101	3104842	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.328	528700	8.51412579	8.51	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM0961AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13329
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

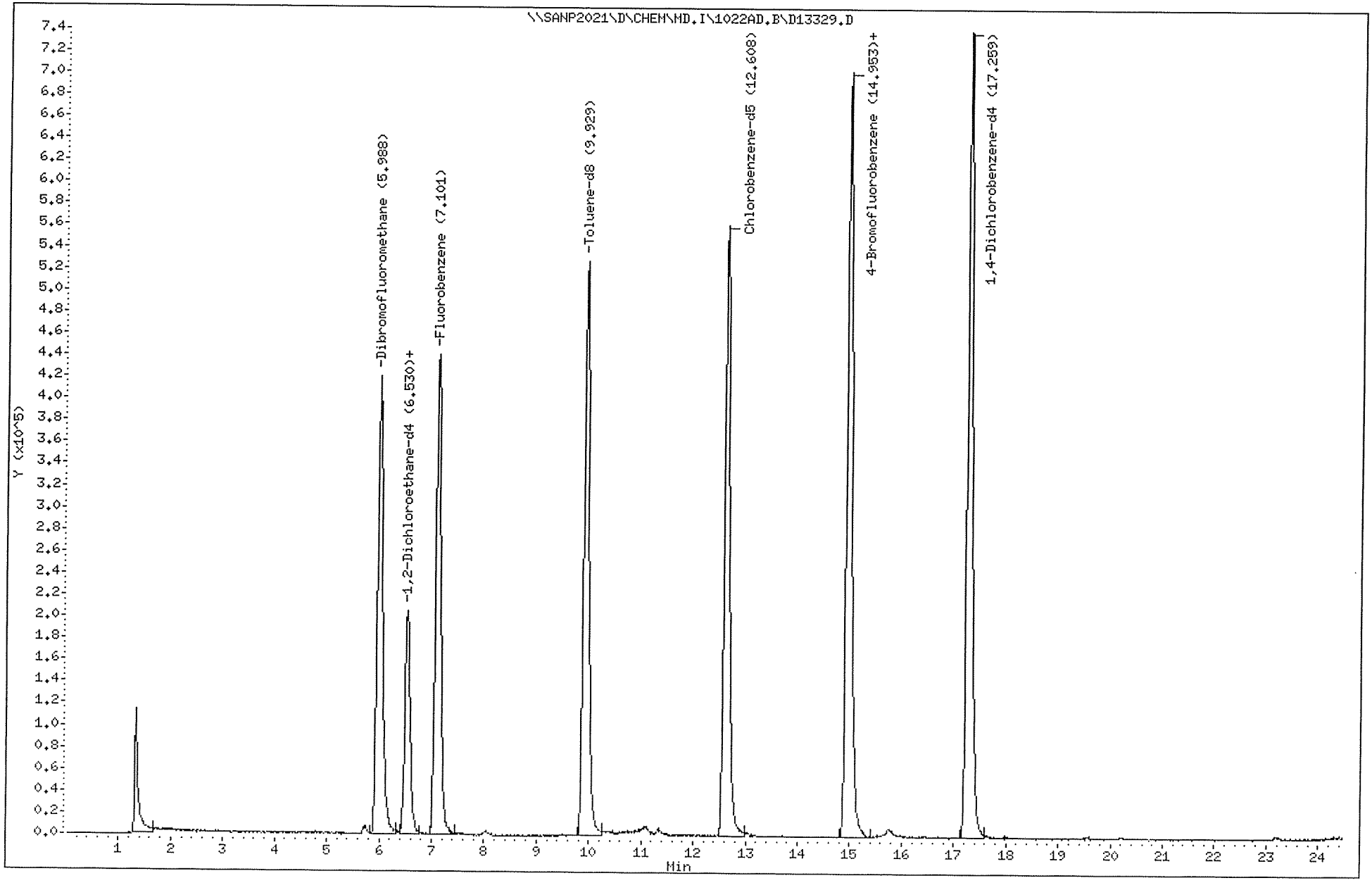
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.328	8.51	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13329.D
Date : 22-OCT-2000 20:42
Client ID: D13329
Sample Info: DM0961AA,,2,,0,1,0,8260BDA.M,D13329

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000587

BOE-C6-0165202

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13329.D

Date : 22-OCT-2000 20:42

Client ID: D13329

Instrument: md.i

Sample Info: DM0961AA,,2,,0,1,0,8260BDA.M,D13329

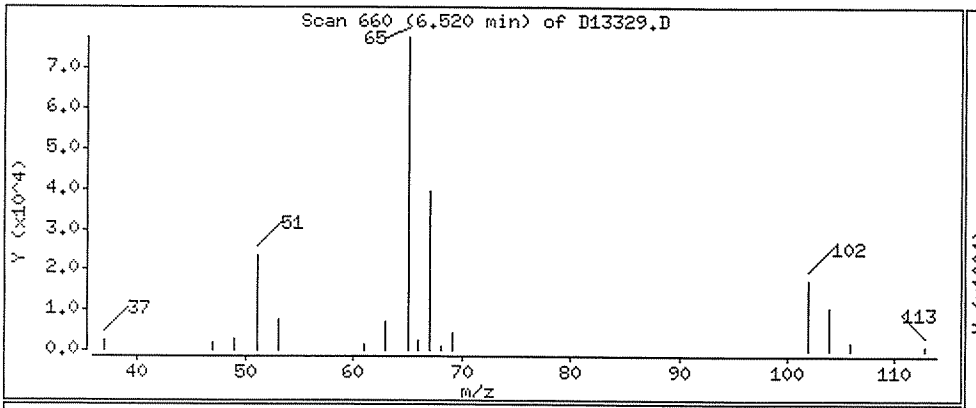
Operator: RRT

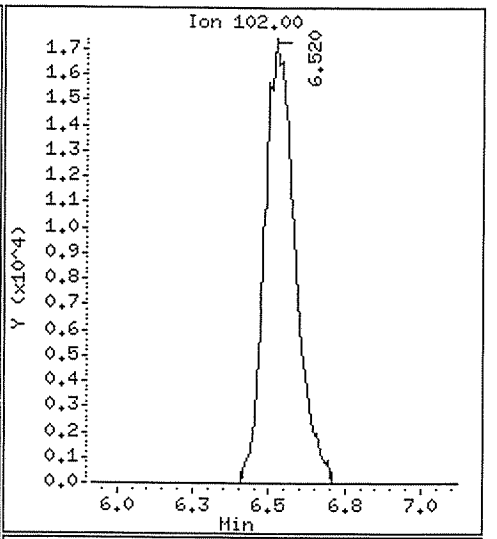
Column phase: J&W DB-624

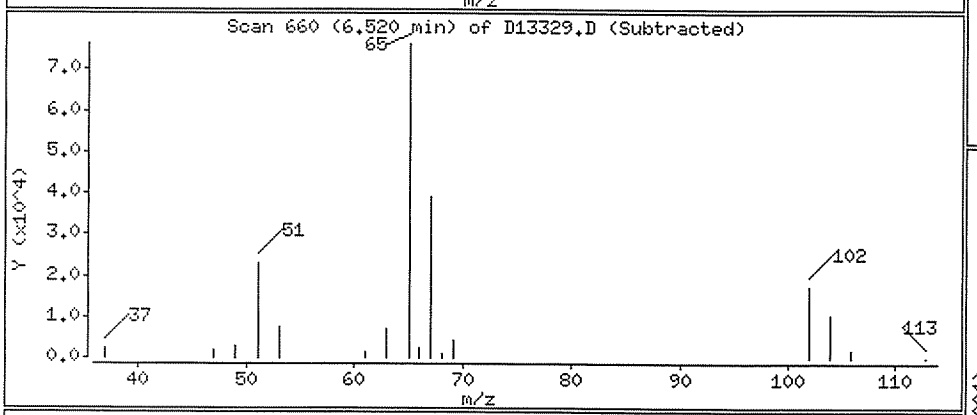
Column diameter: 0.53

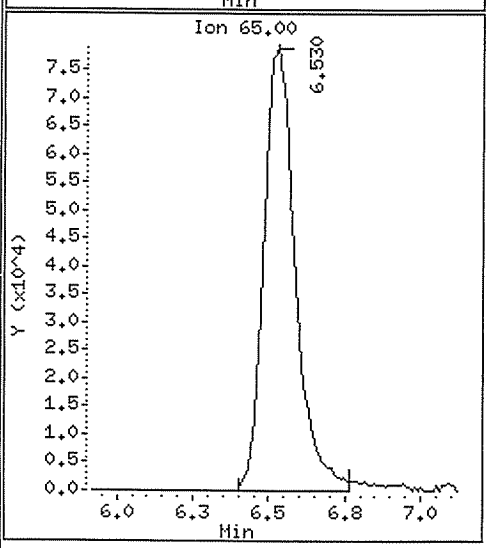
34 1,2-Dichloroethane-d4 2nd

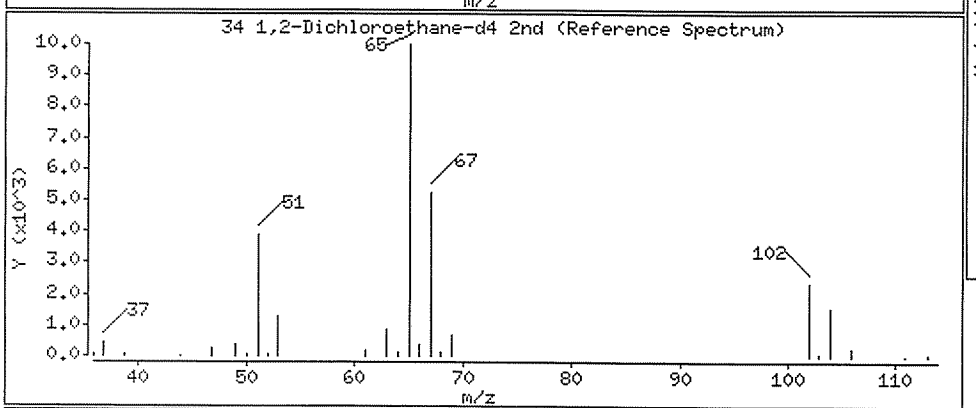
Concentration: 46.29 ug/Kg

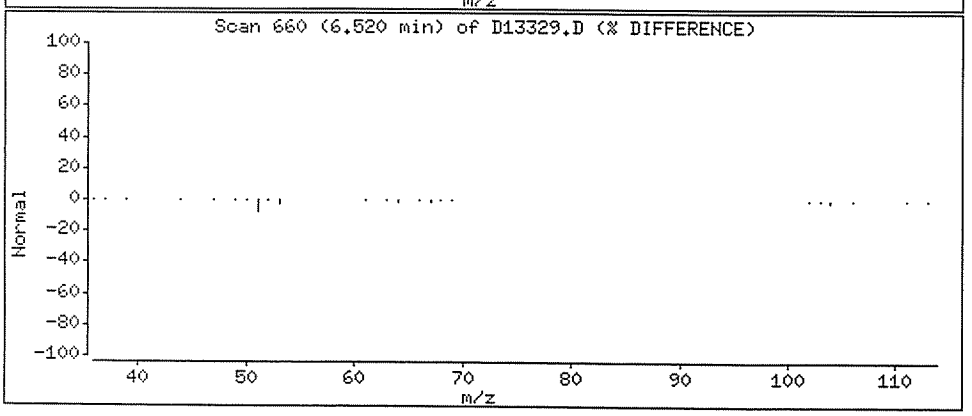












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13329.D

Date : 22-OCT-2000 20:42

Client ID: D13329

Instrument: md.i

Sample Info: DM0961AA,,2,,0,1,0,8260BDA.M,D13329

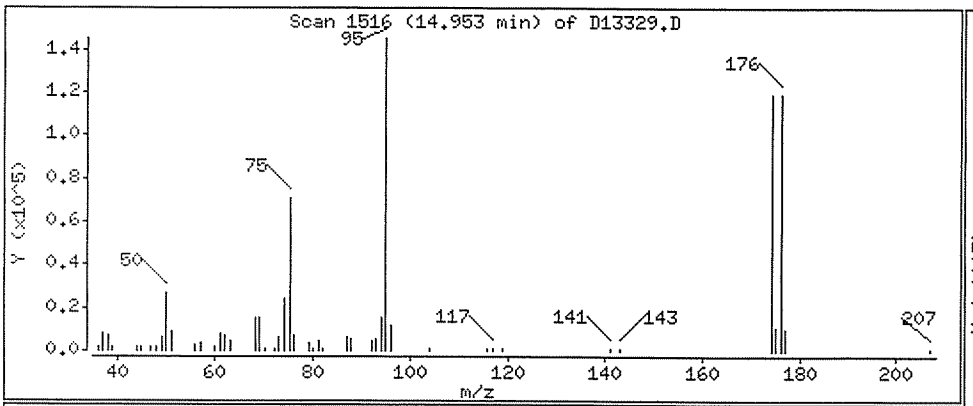
Operator: RRT

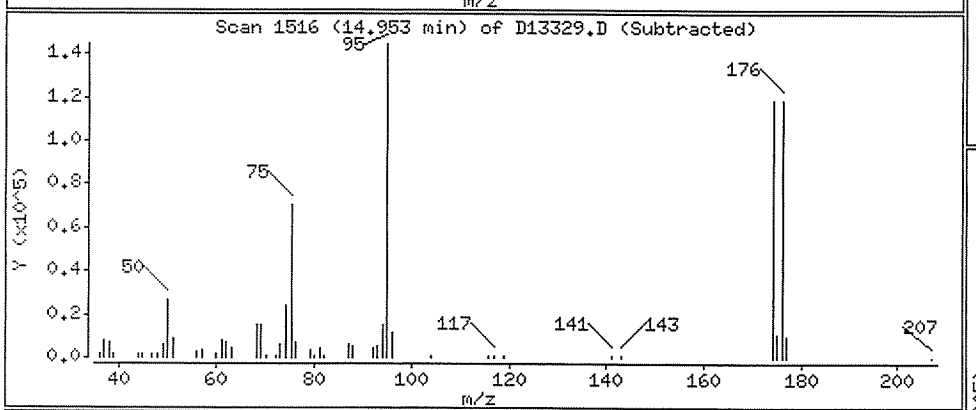
Column phase: J&W DB-624

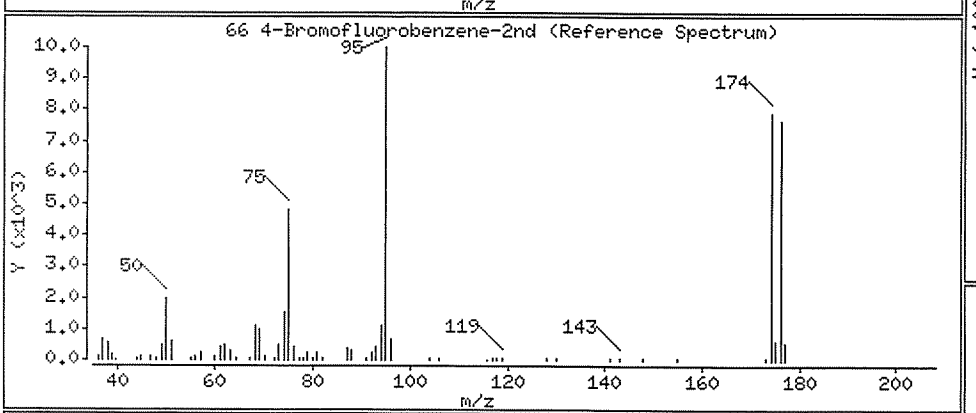
Column diameter: 0.53

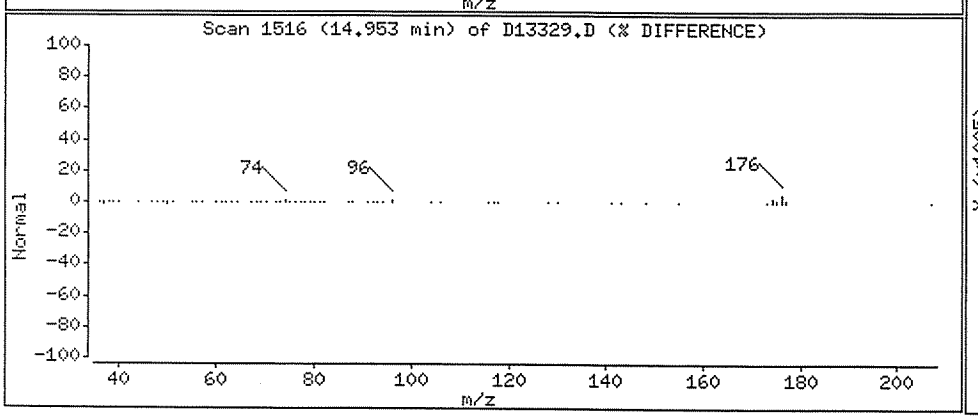
66 4-Bromofluorobenzene-2nd

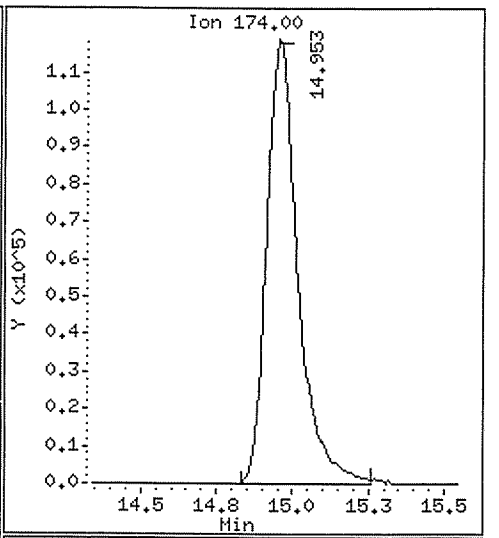
Concentration: 47.44 ug/Kg

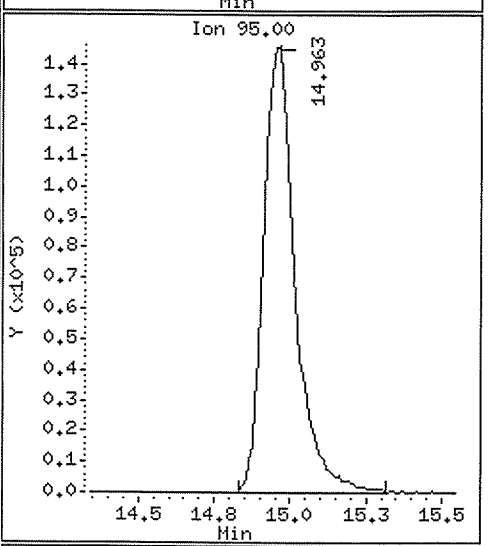


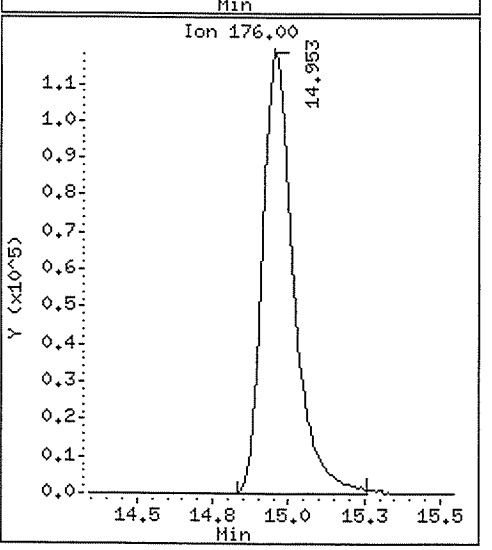












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13329.D

Date : 22-OCT-2000 20:42

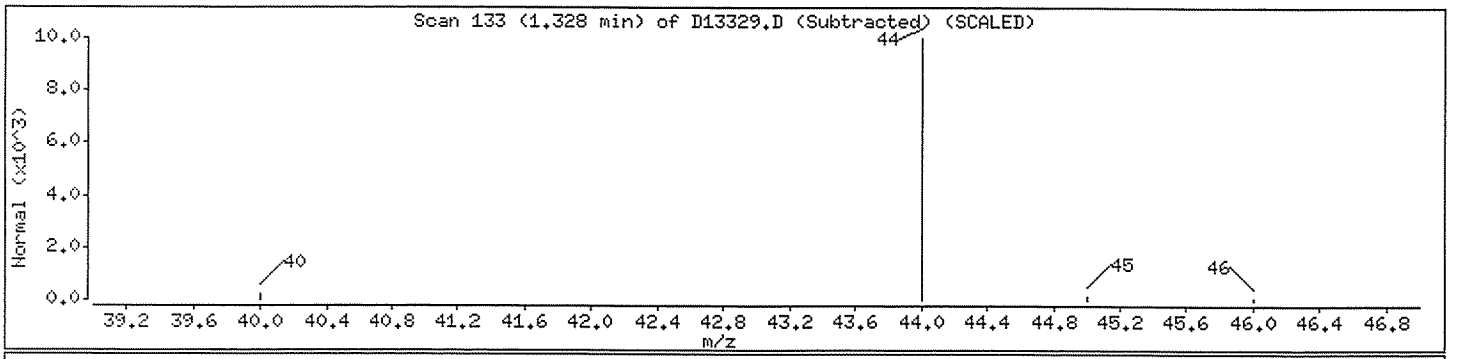
Client ID: D13329 Instrument: md.i

Sample Info: DM0961AA,,2,,0,1,0,8260BDA.M,D13329

Operator: RRT

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\1022AD.B\D13330.D
Lab Smp Id: DM0981AC Client Smp ID: D13330
Inj Date : 22-OCT-2000 21:14
Operator : RRT Inst ID: md.i
Smp Info : DM0981AC,,2,,0,1,0,8260BDA.M,D13330
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
26 Chloroform (*)	83	5.710	5.713	(0.803)	42075	2.07618	2.08(a)
$ 29 Dibromofluoromethane	111	5.986	5.969	(0.842)	940614	47.7937	47.79
$ 33 1,2-Dichloroethane-d4	65	6.527	6.511	(0.918)	565068	42.5371	42.54
34 1,2-Dichloroethane-d4 2nd	102	6.518	6.521	(0.917)	123600	46.1183	46.12
* 38 Fluorobenzene	96	7.109	7.082	(1.000)	1383636	50.0000	
$ 47 Toluene-d8	98	9.917	9.910	(0.786)	1284467	45.1651	45.16
* 56 Chlorobenzene-d5	117	12.616	12.599	(1.000)	1228500	50.0000	
$ 67 4-Bromofluorobenzene	95	14.941	14.944	(0.865)	998260	45.2864	45.29
66 4-Bromofluorobenzene-2nd	174	14.951	14.944	(0.866)	810523	49.0757	49.08
* 79 1,4-Dichlorobenzene-d4	152	17.266	17.259	(1.000)	829439	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\1022AD.B\D13330.D
Lab Smp Id: DM0981AC Client Smp ID: D13330
Inj Date : 22-OCT-2000 21:14
Operator : RRT Inst ID: md.i
Smp Info : DM0981AC,,2,,0,1,0,8260BDA.M,D13330
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.109	3113485	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.316	521031	8.36731859	8.37	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM0981AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13330
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

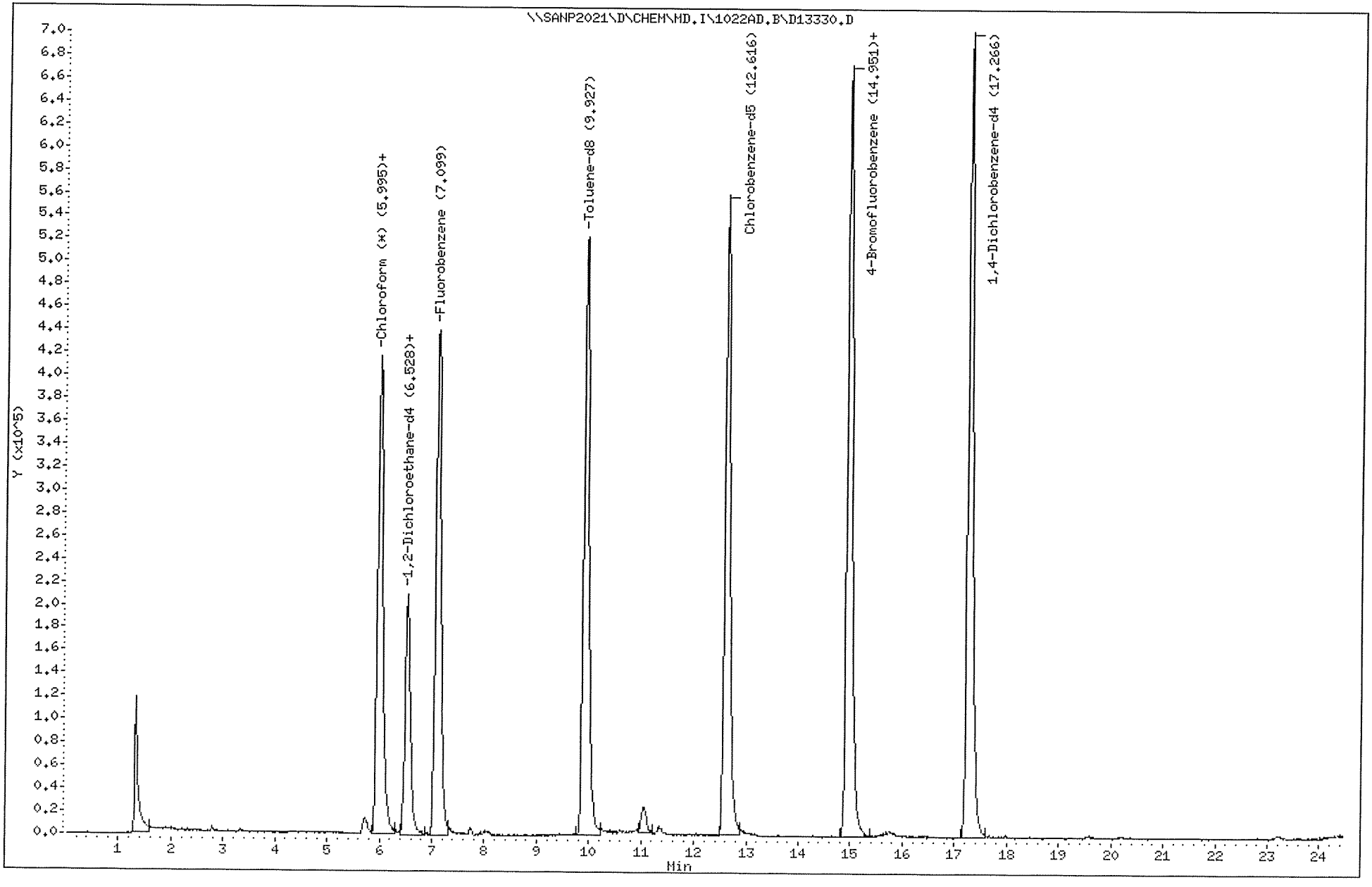
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.316	8.37	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13330.D
Date : 22-OCT-2000 21:14
Client ID: D13330
Sample Info: DM0981AC,,2,,0,1,0,8260BDA.M,D13330

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



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BOE-C6-0165210

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13330.D

Date : 22-OCT-2000 21:14

Client ID: D13330

Instrument: md.i

Sample Info: DM0981AC,,2,,0,1,0,8260BDA.M,D13330

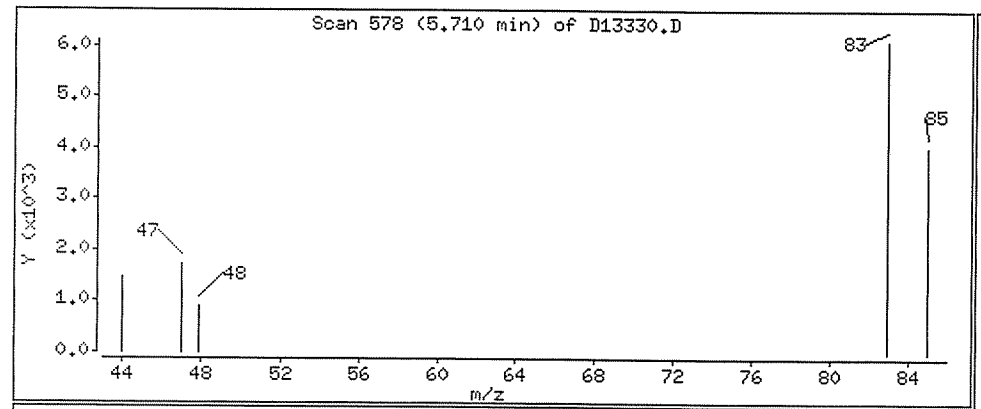
Operator: RRT

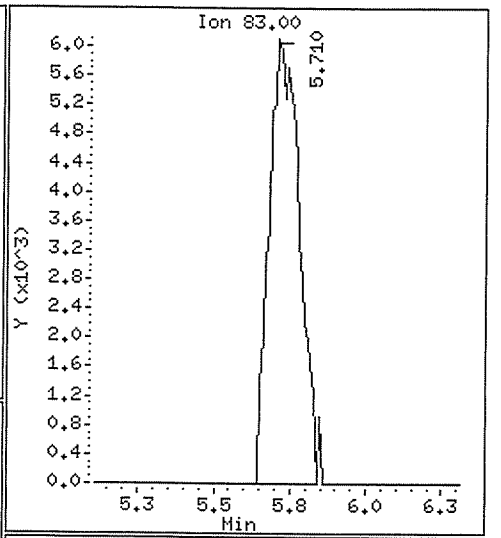
Column phase: J&W DB-624

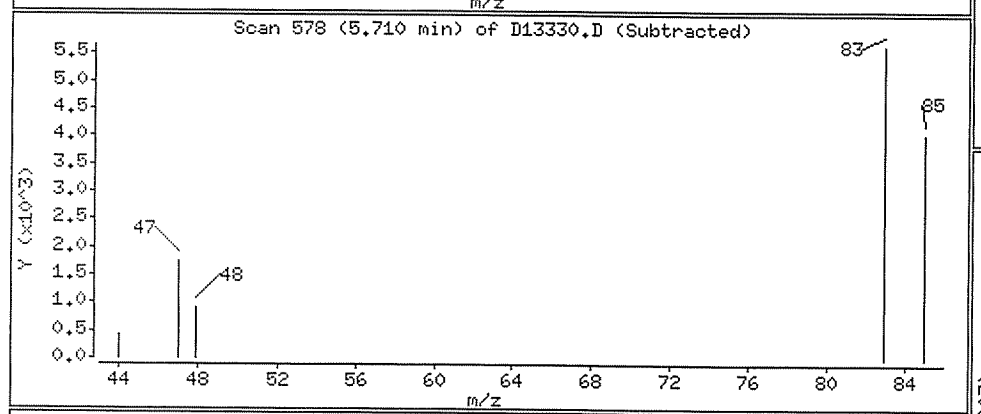
Column diameter: 0.53

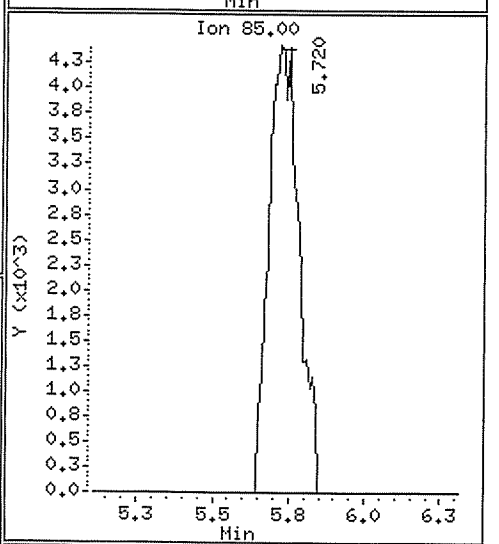
26 Chloroform (*)

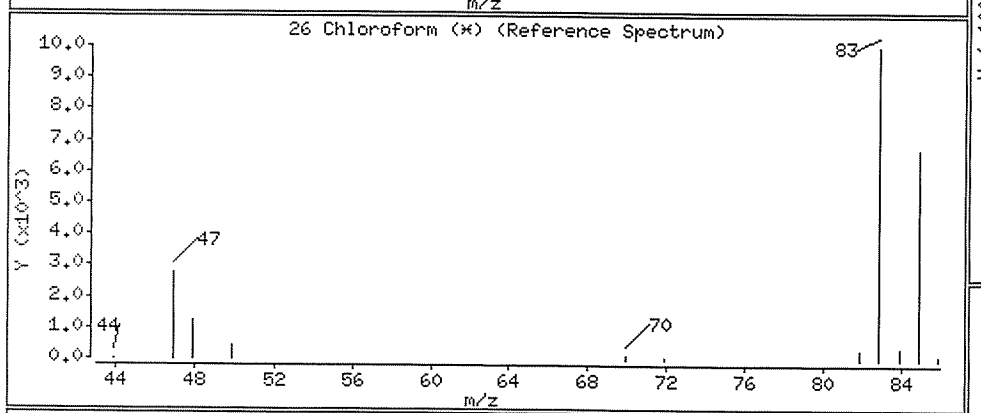
Concentration: 2.08 ug/Kg

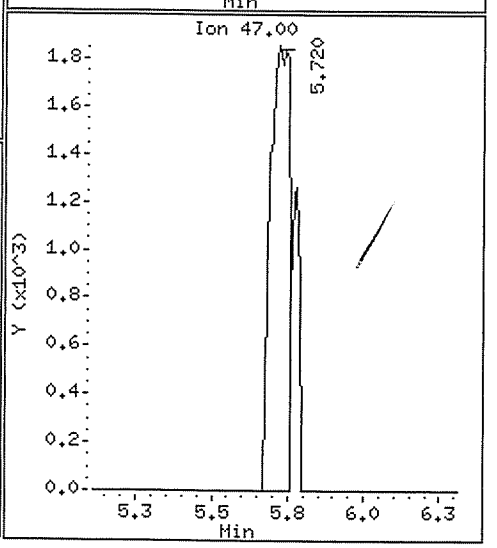


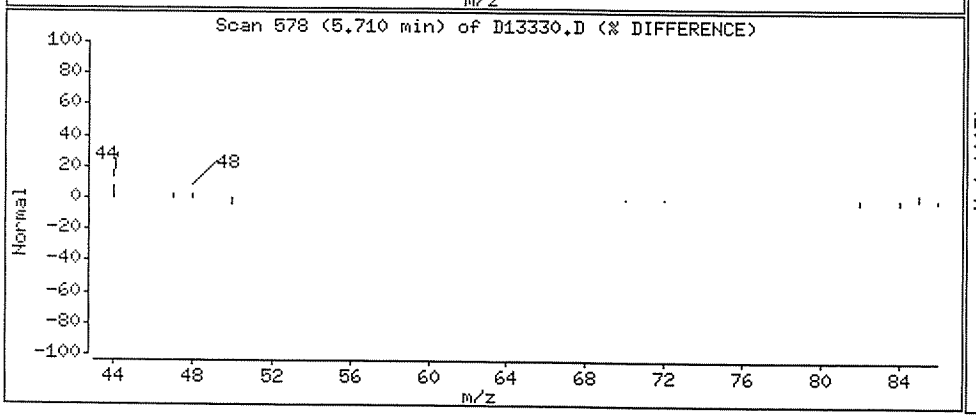












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13330.D

Date : 22-OCT-2000 21:14

Client ID: D13330

Instrument: md.i

Sample Info: DM0981AC,,2,,0,1,0,8260BDA.M,D13330

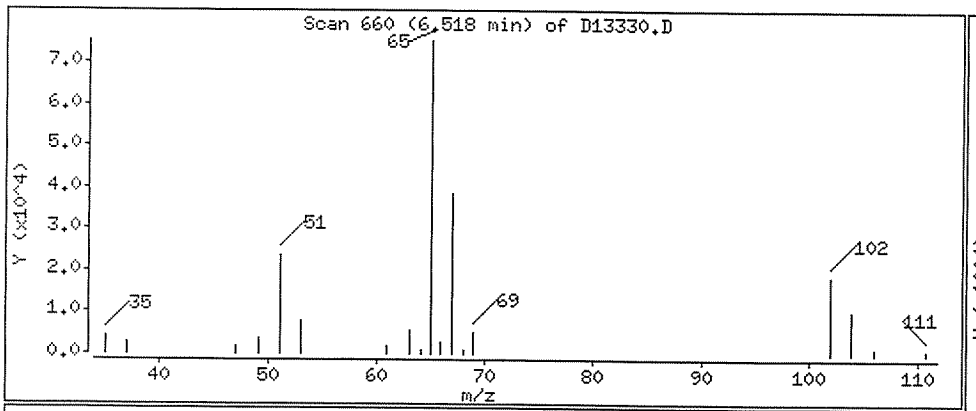
Operator: RRT

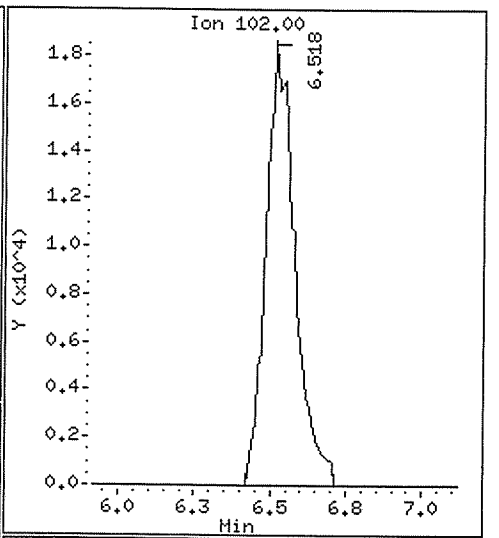
Column phase: J&W DB-624

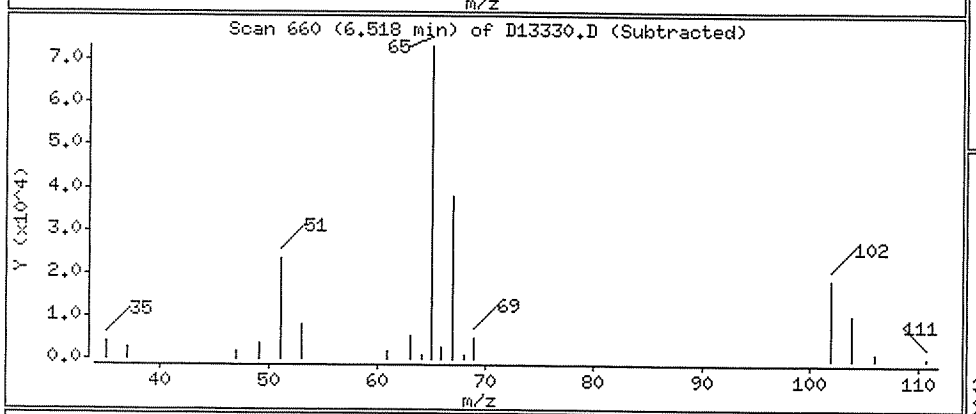
Column diameter: 0.53

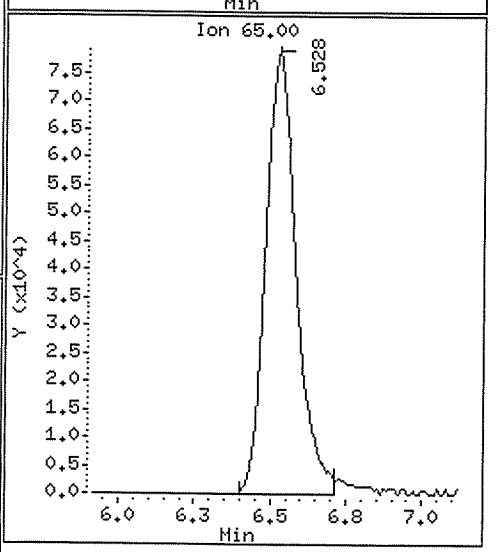
34 1,2-Dichloroethane-d4 2nd

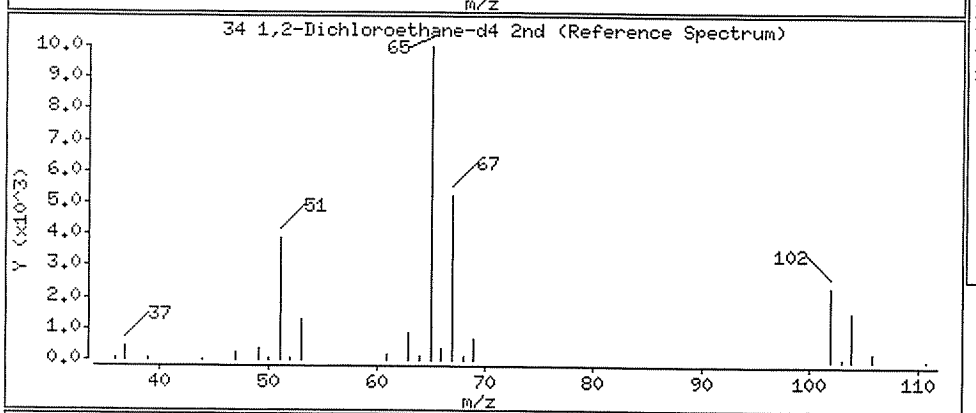
Concentration: 46.12 ug/Kg

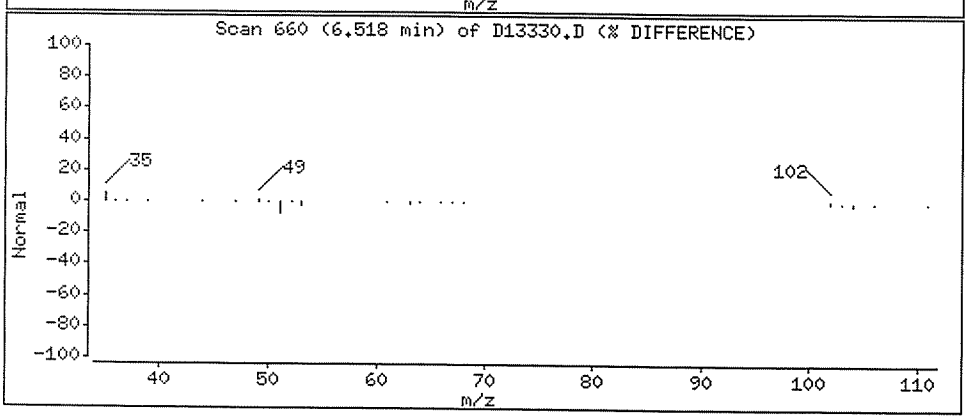












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13330.D

Date : 22-OCT-2000 21:14

Client ID: D13330

Instrument: md.i

Sample Info: DM0981AC,,2,,0,1,0,8260BDA.M,D13330

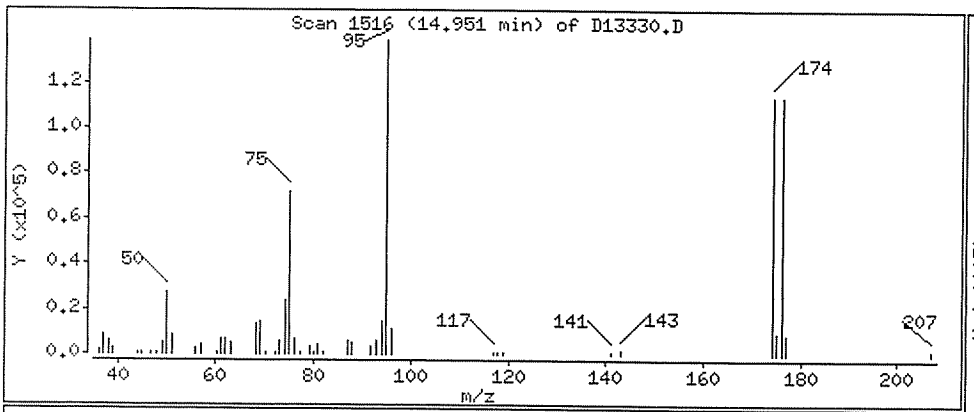
Operator: RRT

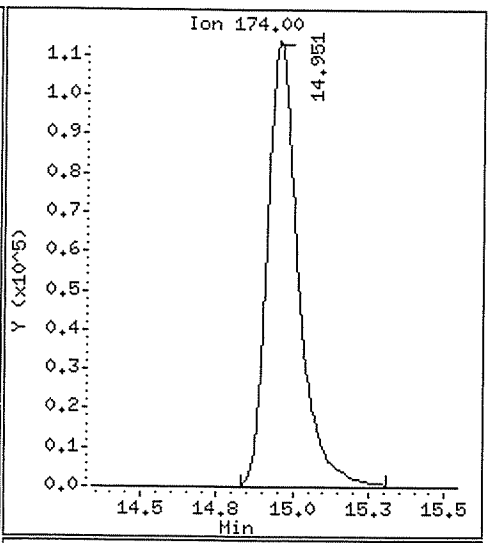
Column phase: J&W DB-624

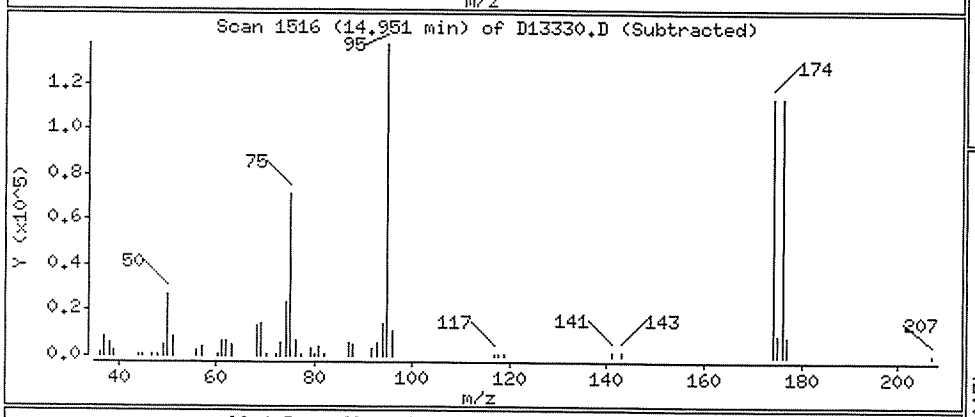
Column diameter: 0.53

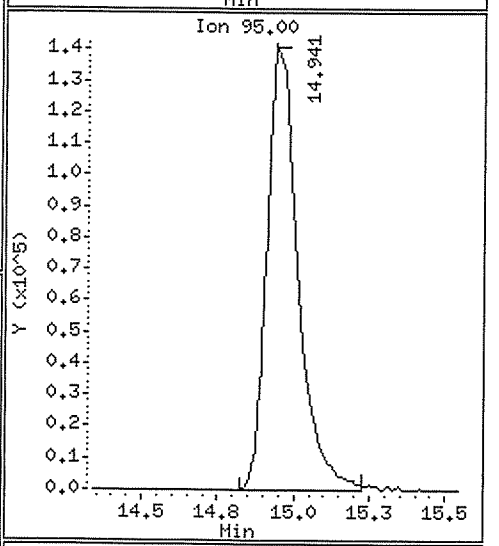
66 4-Bromofluorobenzene-2nd

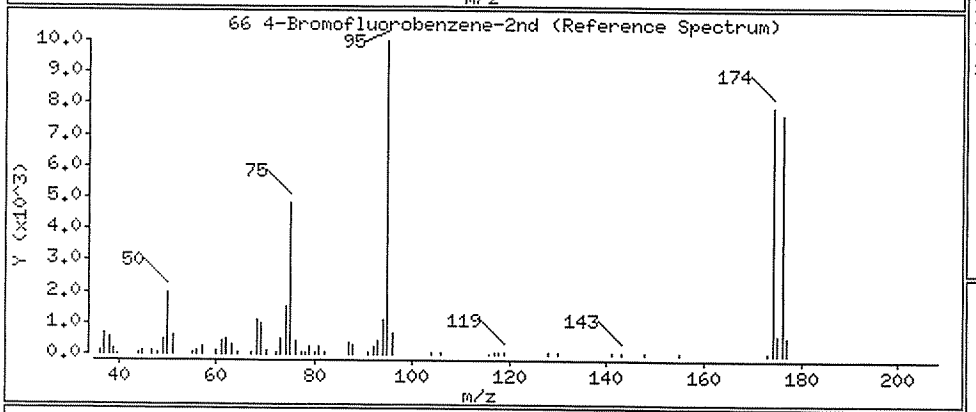
Concentration: 49.08 ug/Kg

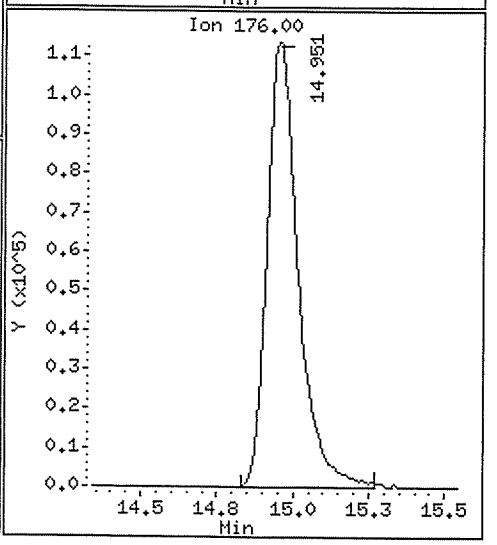


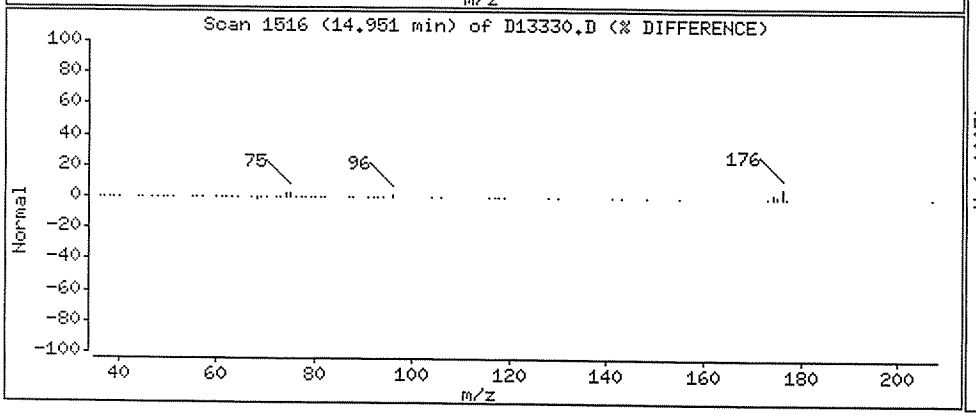












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13330.D

Date : 22-OCT-2000 21:14

Client ID: D13330

Instrument: md.i

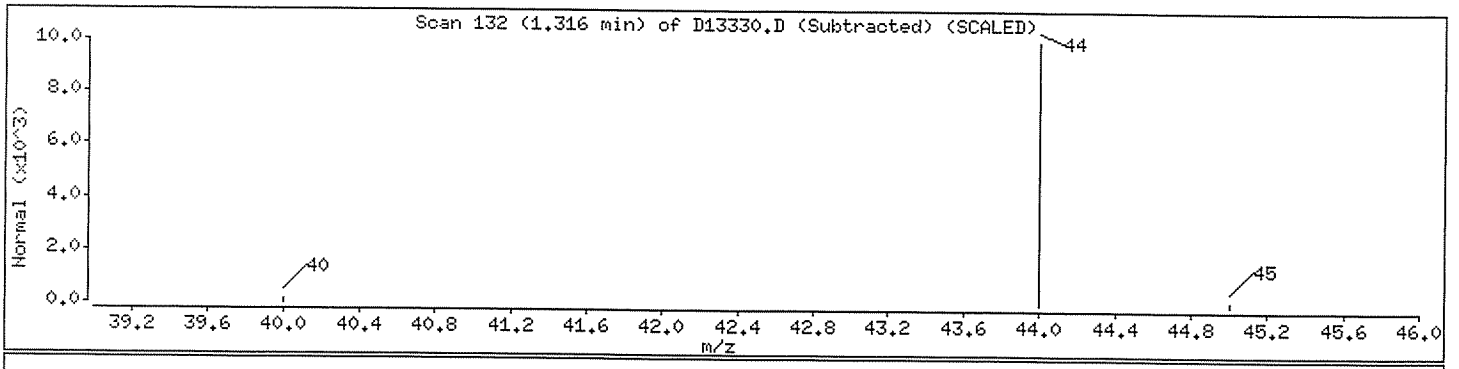
Sample Info: DM0981AC,,2,,0,1,0,8260BDA.M,D13330

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

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



X

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\D13331.D
Lab Smp Id: DM1AA1AC Client Smp ID: D13331
Inj Date : 22-OCT-2000 21:46
Operator : RRT Inst ID: md.i
Smp Info : DM1AA1AC,,2,,0,1,0,8260BDA.M,D13331
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
$ 29 Dibromofluoromethane	111	5.996	5.969	(0.843)	902778	45.7624	45.76
$ 33 1,2-Dichloroethane-d4	65	6.529	6.511	(0.918)	562176	42.2190	42.22
34 1,2-Dichloroethane-d4 2nd	102	6.529	6.521	(0.918)	117275	43.6545	43.65
* 38 Fluorobenzene	96	7.110	7.082	(1.000)	1386925	50.0000	
$ 47 Toluene-d8	98	9.928	9.910	(0.787)	1280419	45.1498	45.15
* 56 Chlorobenzene-d5	117	12.617	12.599	(1.000)	1225041	50.0000	
$ 67 4-Bromofluorobenzene	95	14.952	14.944	(0.866)	1033213	43.5712	43.57
66 4-Bromofluorobenzene-2nd	174	14.962	14.944	(0.866)	835738	47.0389	47.04
* 79 1,4-Dichlorobenzene-d4	152	17.267	17.259	(1.000)	892277	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\1022AD.B\D13331.D
Lab Smp Id: DM1AA1AC Client Smp ID: D13331
Inj Date : 22-OCT-2000 21:46
Operator : RRT Inst ID: md.i
Smp Info : DM1AA1AC,,2,,0,1,0,8260BDA.M,D13331
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang 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: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.110	3095305	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.326	525116	8.48246393	8.48	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1AA1AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13331
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

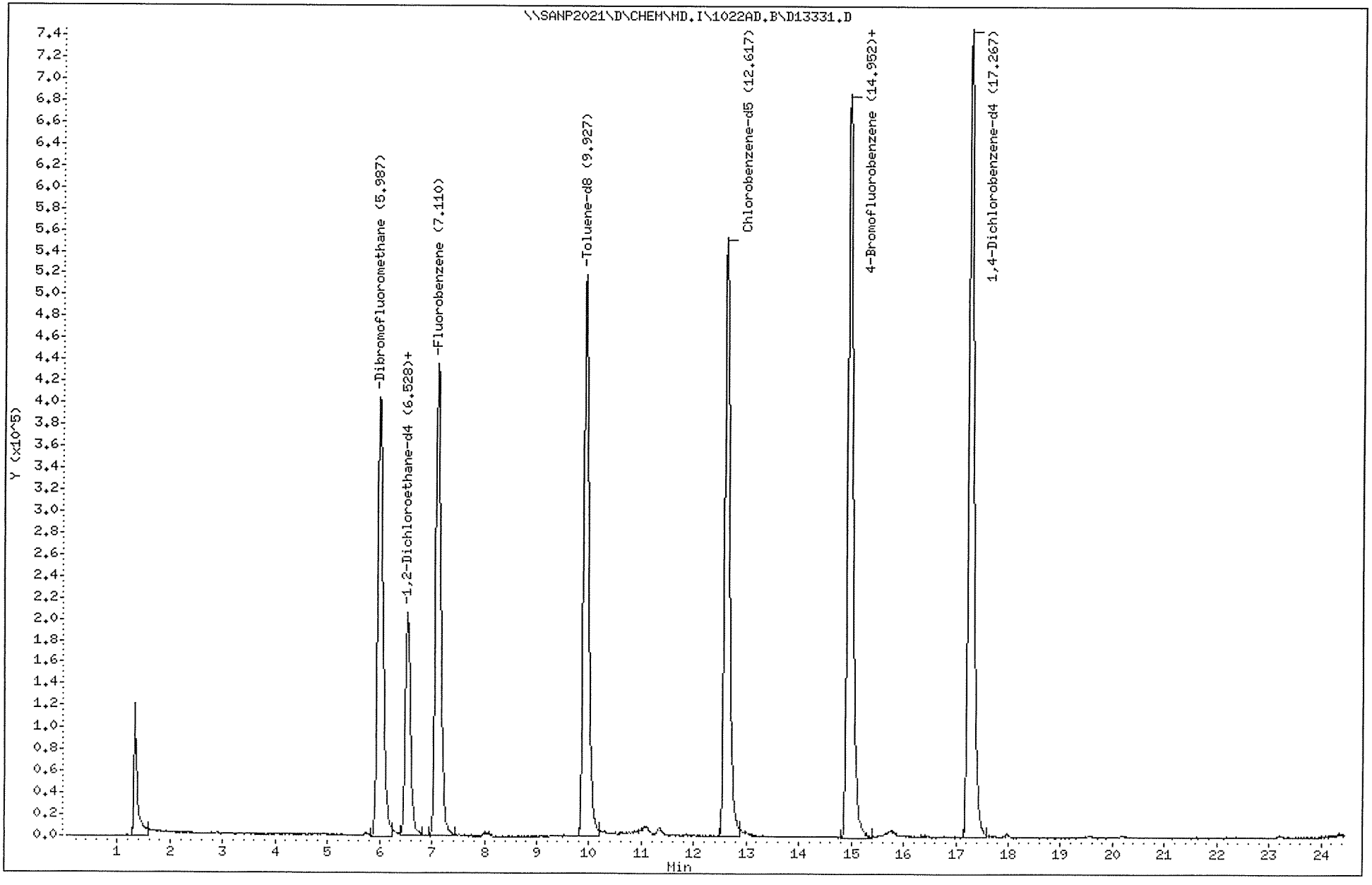
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~	1.326	8.48	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13331.D
Date : 22-OCT-2000 21:46
Client ID: D13331
Sample Info: DM1AA1AC,,2,,0,1,0,8260BDA.M,D13331

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000603

BOE-C6-0165218

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13331.D

Date : 22-OCT-2000 21:46

Client ID: D13331

Instrument: md.i

Sample Info: DM1AA1AC,,2,,0,1,0,8260BDA.M,D13331

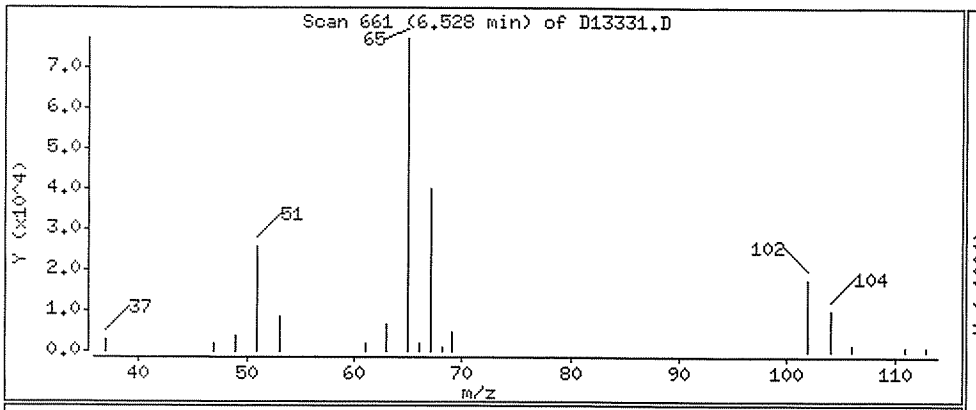
Operator: RRT

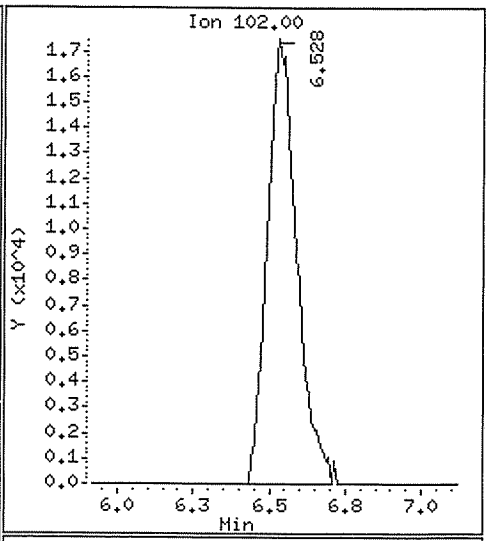
Column phase: J&W DB-624

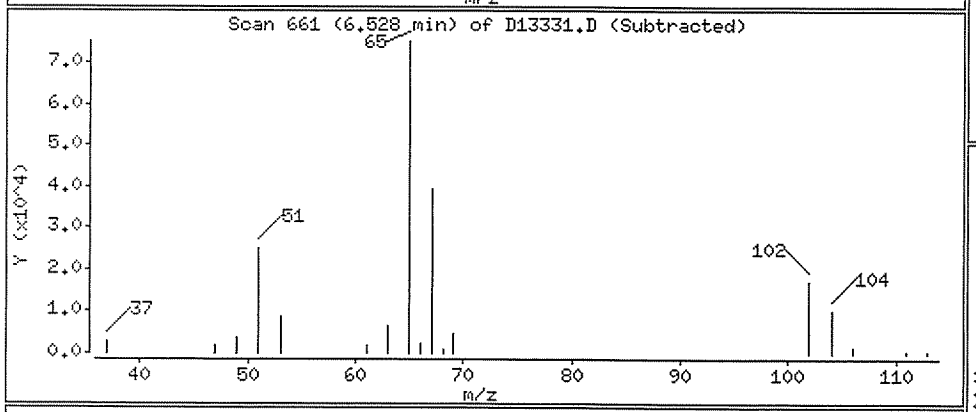
Column diameter: 0.53

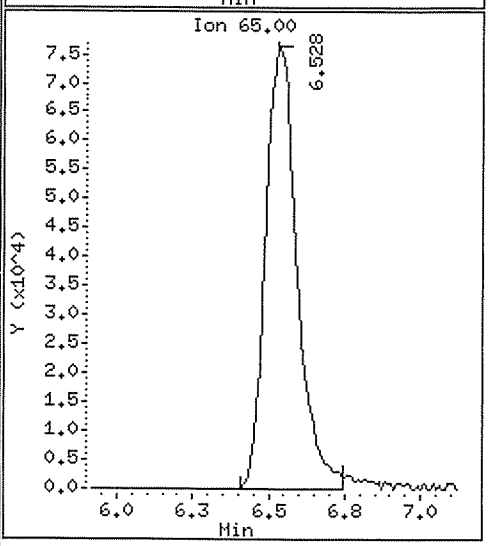
34 1,2-Dichloroethane-d4 2nd

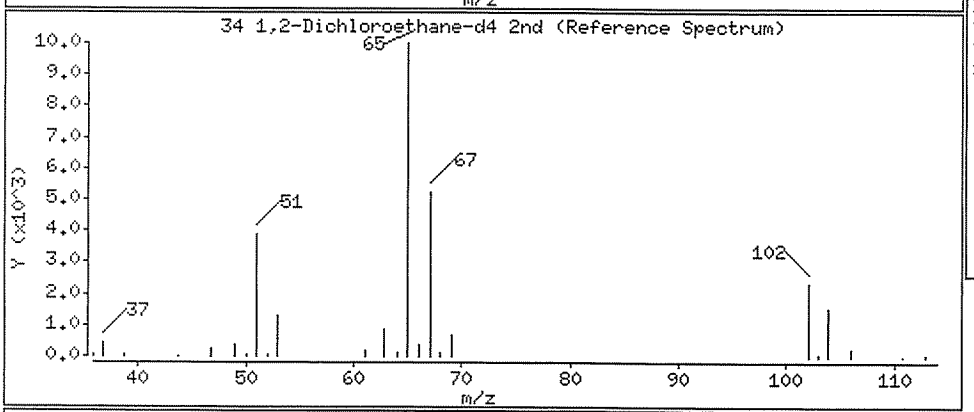
Concentration: 43.65 ug/Kg

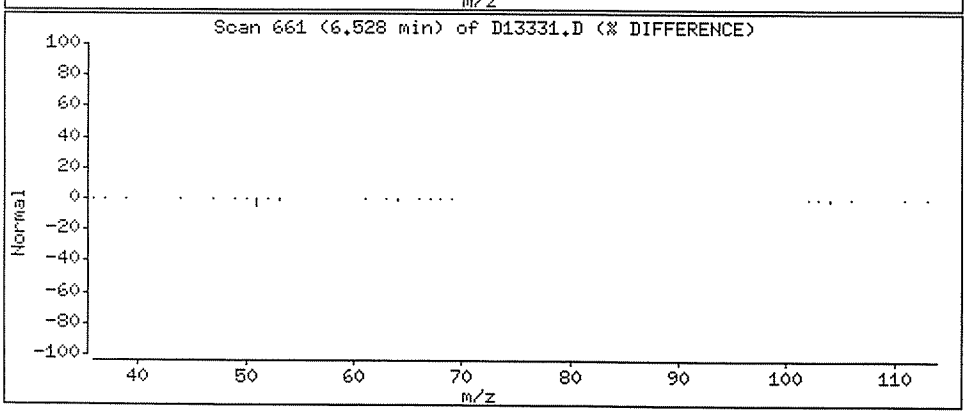












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13331.D

Date : 22-OCT-2000 21:46

Client ID: D13331

Instrument: md.i

Sample Info: DM1AA1AC,,2,,0,1,0,8260BDA.M,D13331

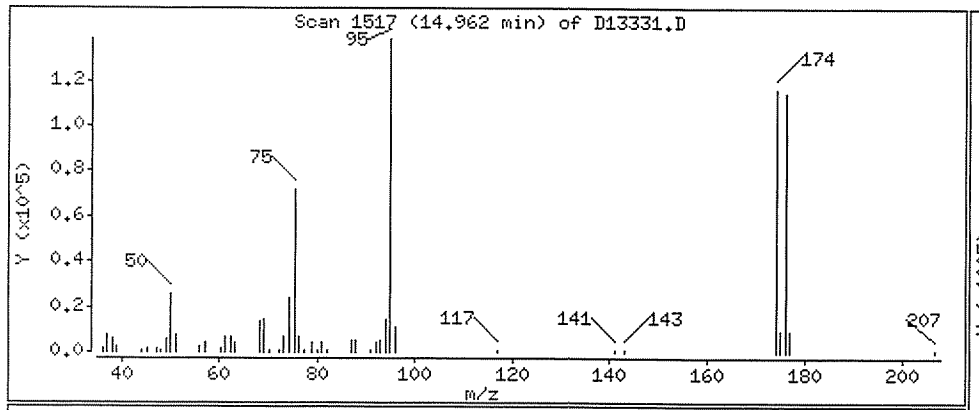
Operator: RRT

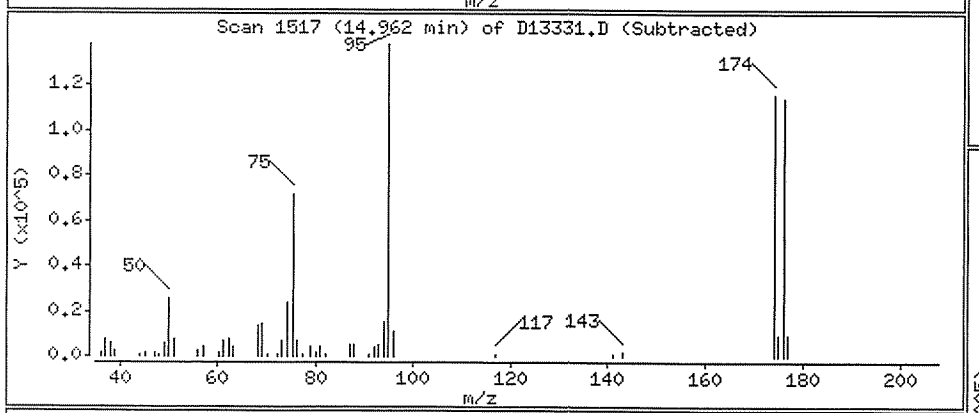
Column phase: J&W DB-624

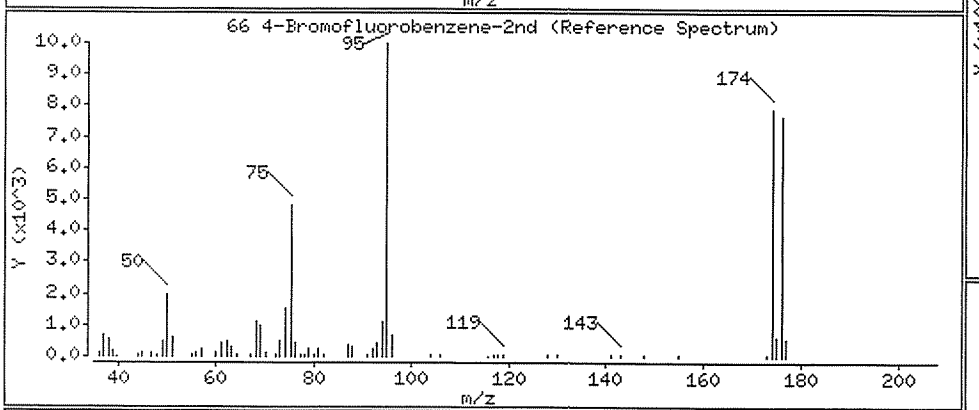
Column diameter: 0.53

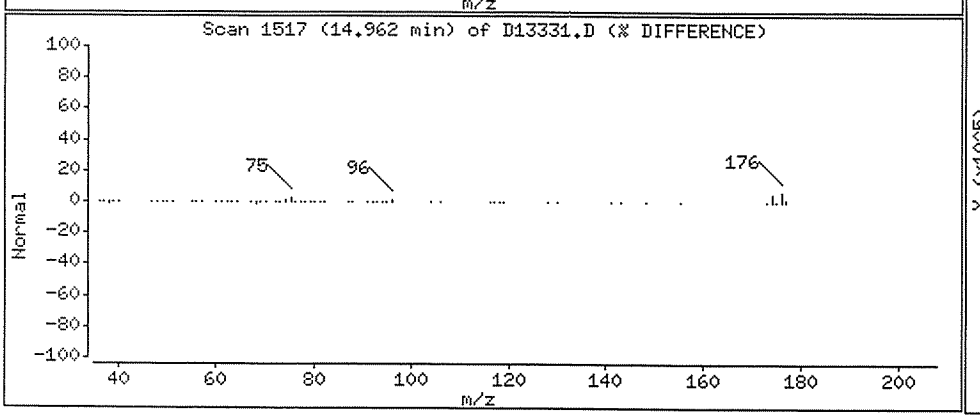
66 4-Bromofluorobenzene-2nd

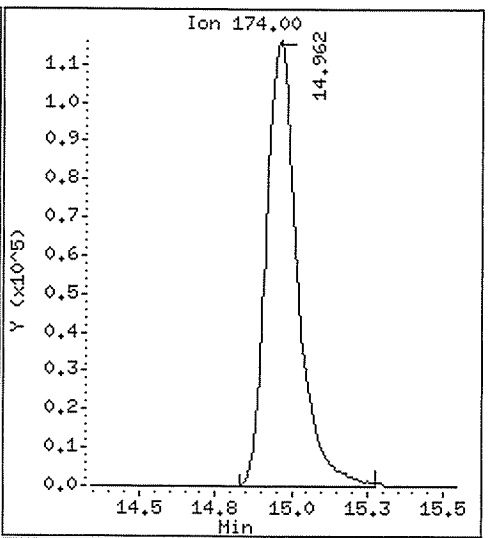
Concentration: 47.04 ug/Kg

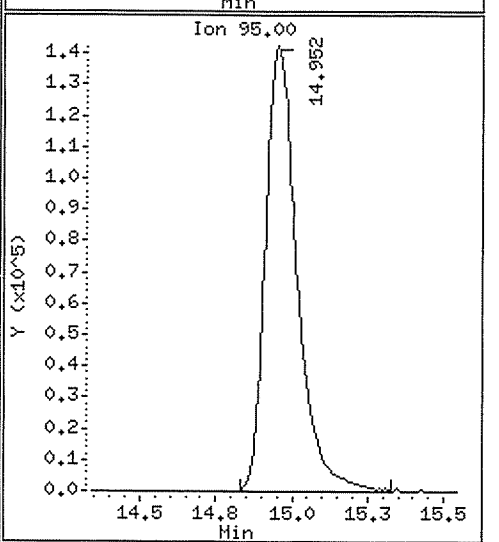


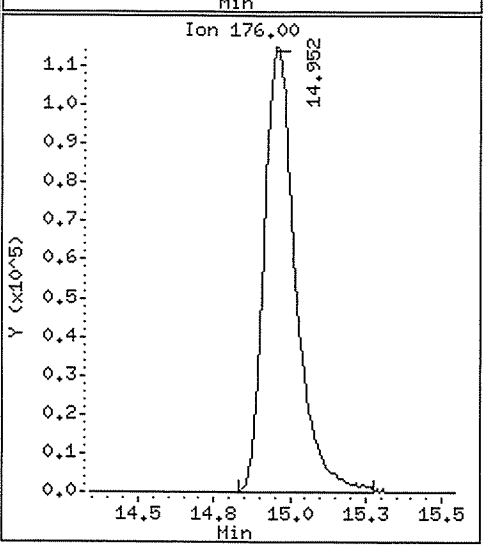












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13331.D

Date : 22-OCT-2000 21:46

Client ID: D13331

Instrument: md.i

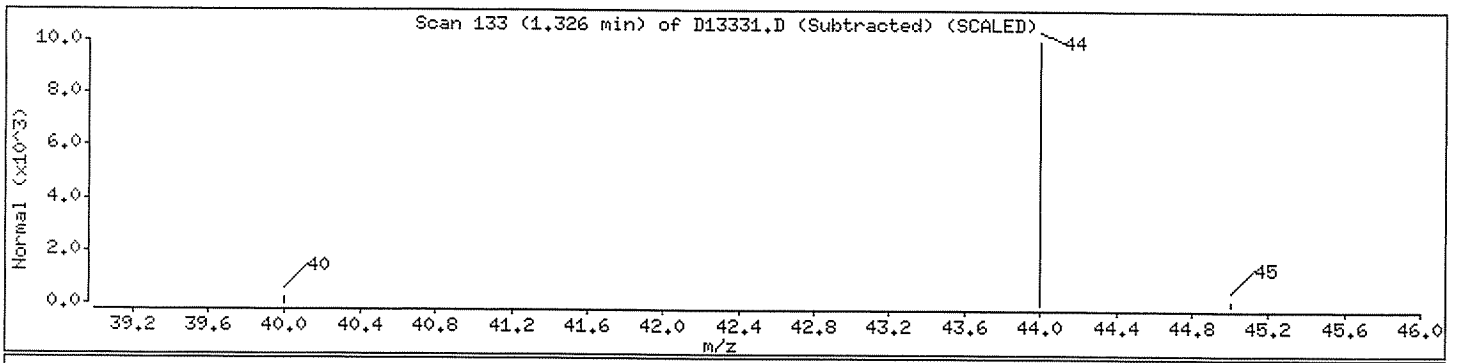
Sample Info: DM1AA1AC,,2,,0,1,0,8260BDA.M,D13331

Operator: RRT

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\1022AD.B\D13332.D
Lab Smp Id: DM1AE1AC Client Smp ID: D13332
Inj Date : 22-OCT-2000 22:17
Operator : RRT Inst ID: md.i
Smp Info : DM1AE1AC,,2,,0,1,0,8260BDA.M,D13332
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
$ 29 Dibromofluoromethane	111	5.992	5.969	(0.842)	893912	45.5570	45.56	
$ 33 1,2-Dichloroethane-d4	65	6.534	6.511	(0.918)	546444	41.2585	41.26	
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.521	(0.917)	113637	42.5281	42.53	
* 38 Fluorobenzene	96	7.115	7.082	(1.000)	1379498	50.0000		
$ 47 Toluene-d8	98	9.923	9.910	(0.786)	1247819	43.8630	43.86	
* 56 Chlorobenzene-d5	117	12.623	12.599	(1.000)	1228876	50.0000		
$ 67 4-Bromofluorobenzene	95	14.948	14.944	(0.865)	1020191	43.3183	43.32	
66 4-Bromofluorobenzene-2nd	174	14.958	14.944	(0.866)	822769	46.6279	46.63	
* 79 1,4-Dichlorobenzene-d4	152	17.273	17.259	(1.000)	886173	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\1022AD.B\D13332.D
Lab Smp Id: DM1AE1AC Client Smp ID: D13332
Inj Date : 22-OCT-2000 22:17
Operator : RRT Inst ID: md.i
Smp Info : DM1AE1AC,,2,,0,1,0,8260BDA.M,D13332
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.115	3087435	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.322	511613	8.28540847	8.28	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1AE1AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13332
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

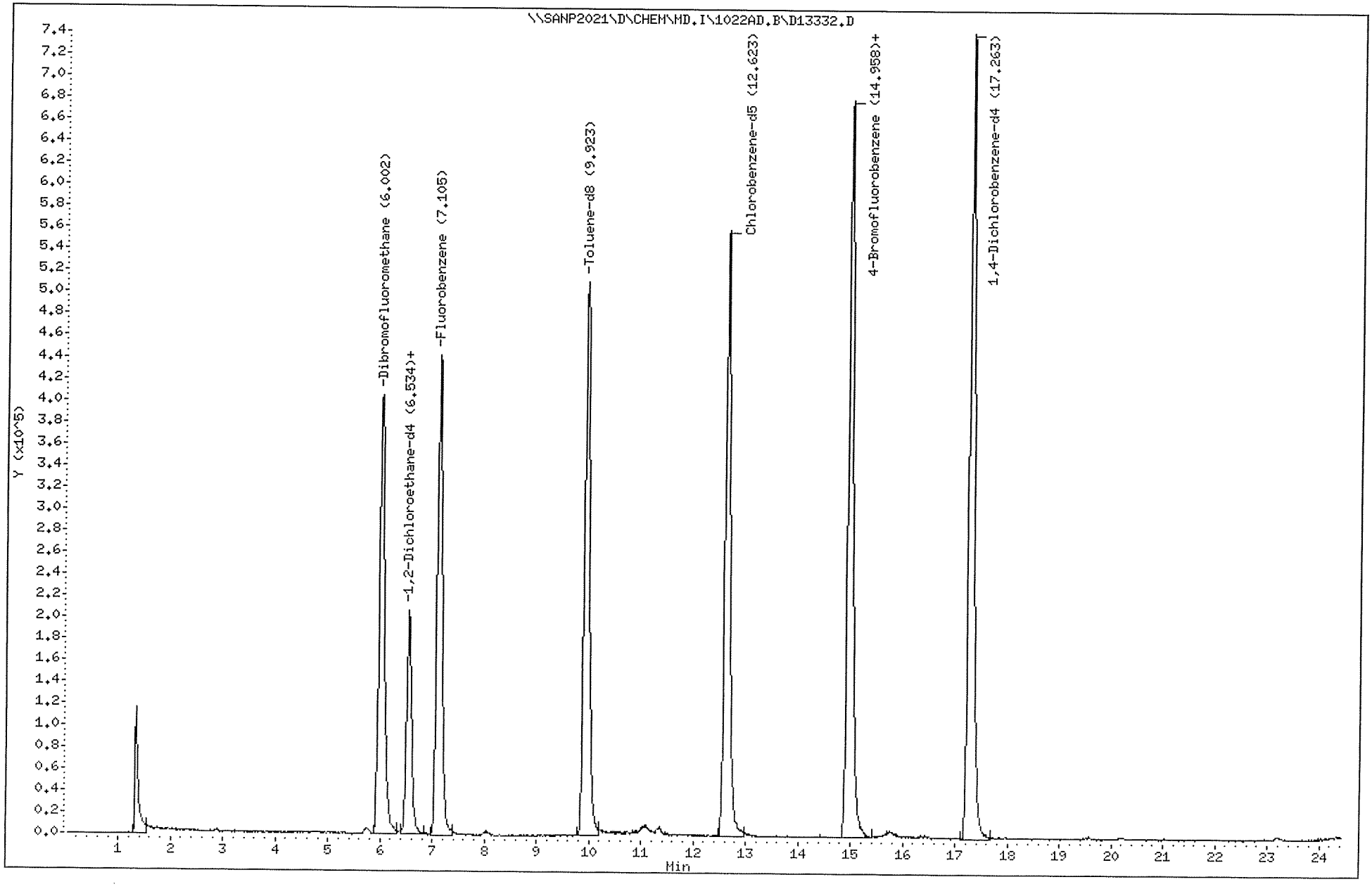
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ NO	1.322	8.28	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13332.D
Date : 22-OCT-2000 22:17
Client ID: D13332
Sample Info: DM1AE1AC,,2,,0,1,0,8260BDA.M,D13332

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000610

BOE-C6-0165225

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13332.D

Date : 22-OCT-2000 22:17

Client ID: D13332

Instrument: md.i

Sample Info: DM1AE1AC,,2,,0,1,0,8260BDA.M,D13332

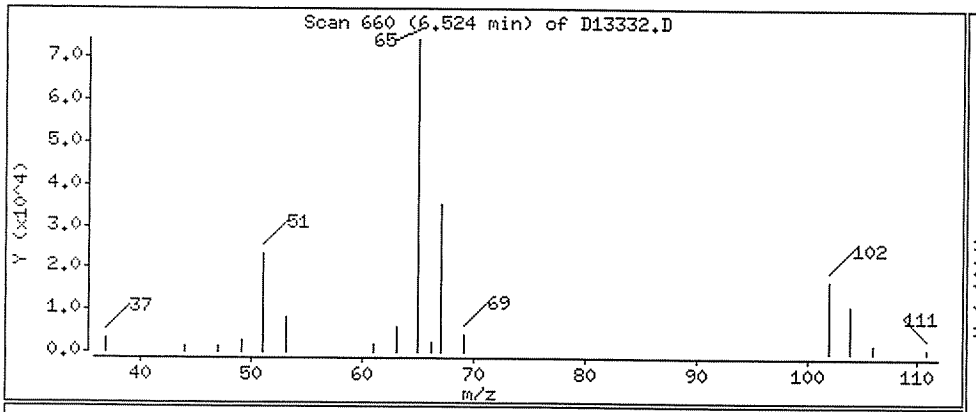
Operator: RRT

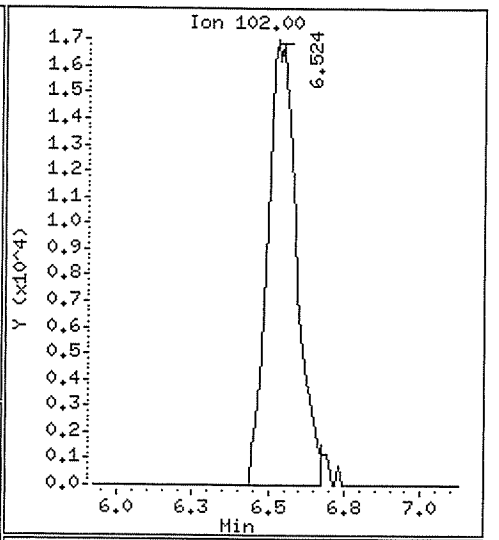
Column phase: J&W DB-624

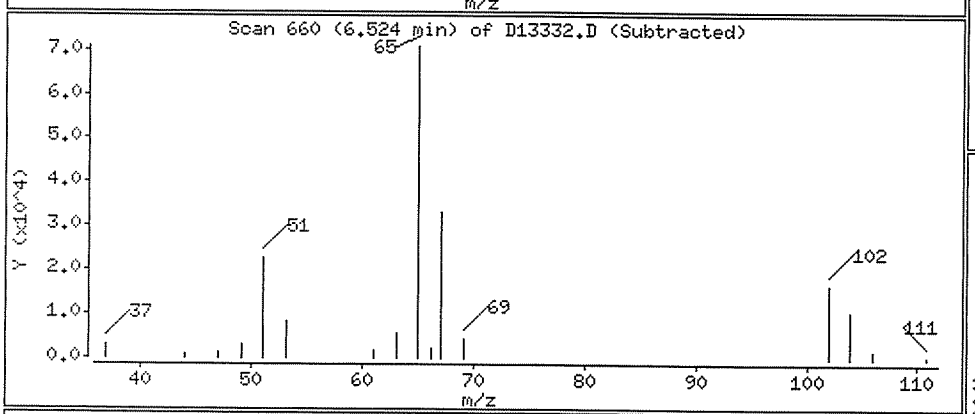
Column diameter: 0.53

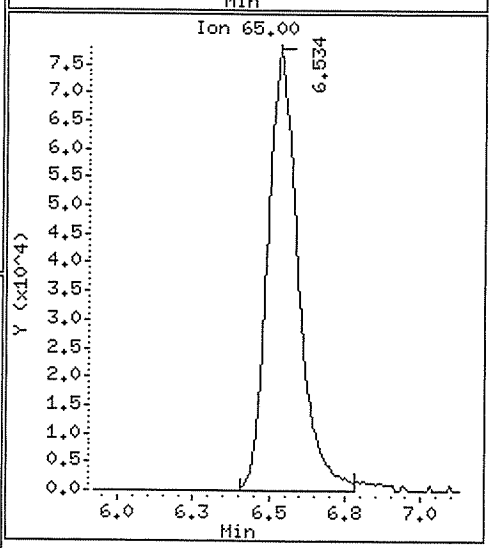
34 1,2-Dichloroethane-d4 2nd

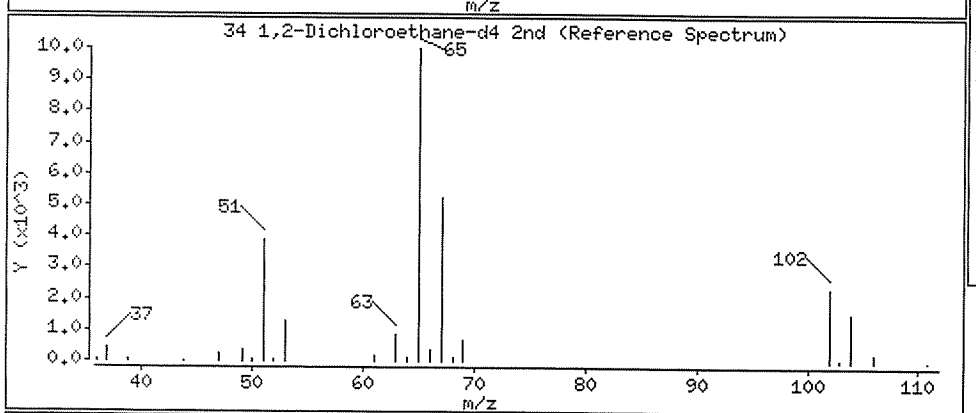
Concentration: 42.53 ug/Kg

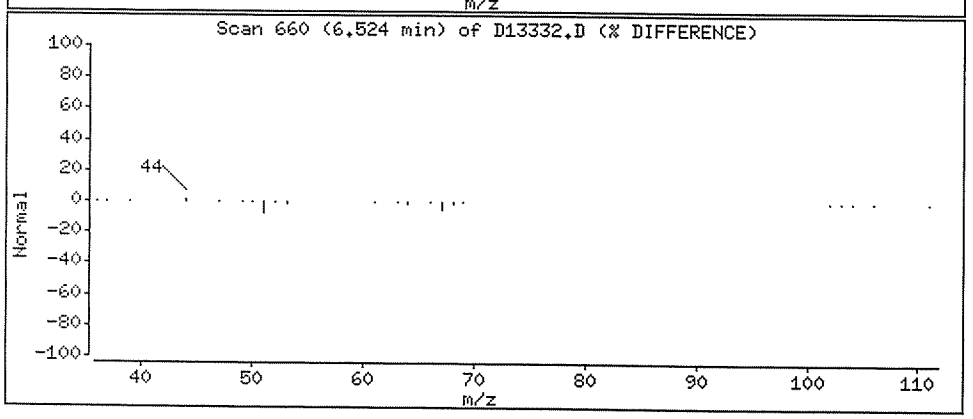












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13332.D

Date : 22-OCT-2000 22:17

Client ID: D13332

Instrument: md.i

Sample Info: DM1AE1AC,,2,,0,1,0,8260BDA.M,D13332

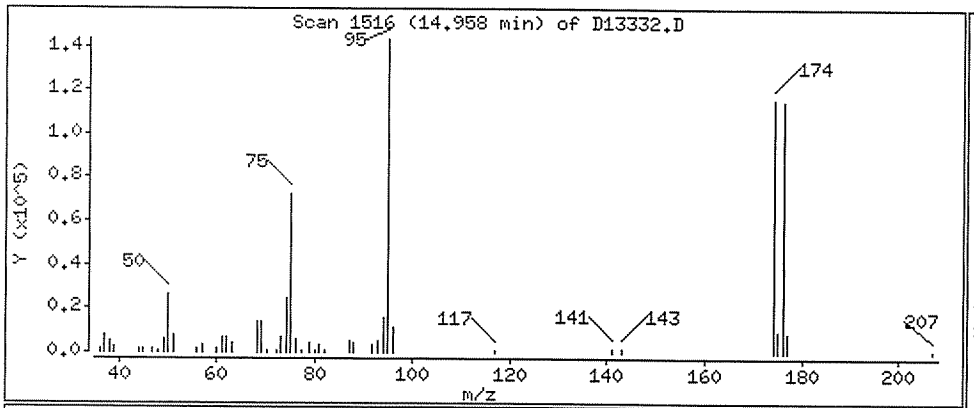
Operator: RRT

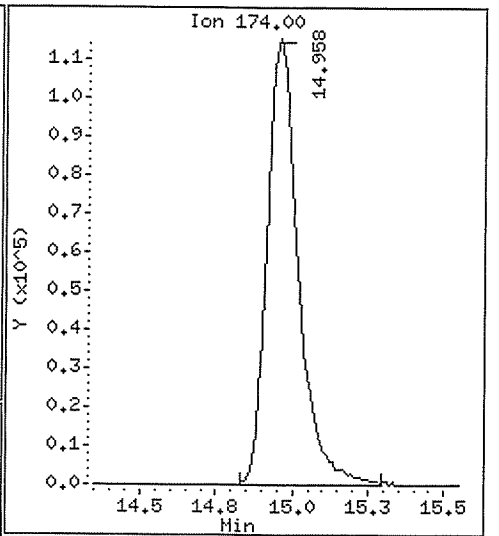
Column phase: J&W DB-624

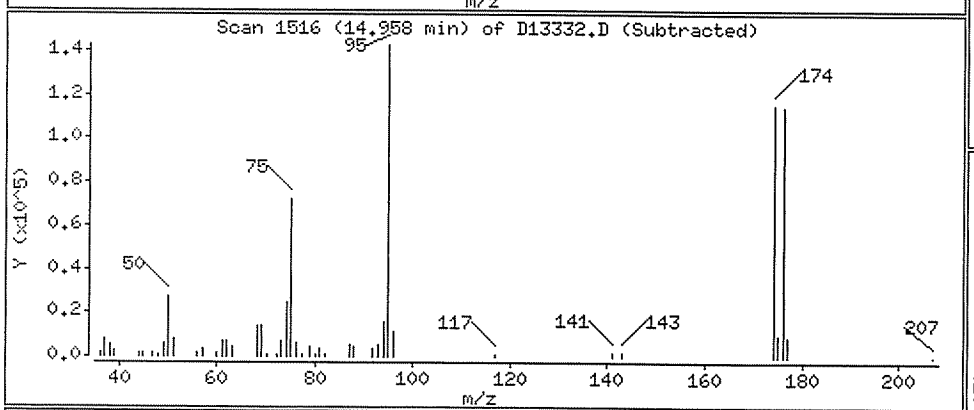
Column diameter: 0.53

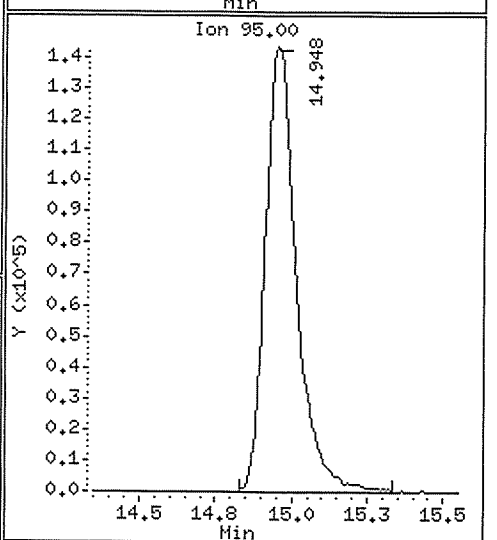
66 4-Bromofluorobenzene-2nd

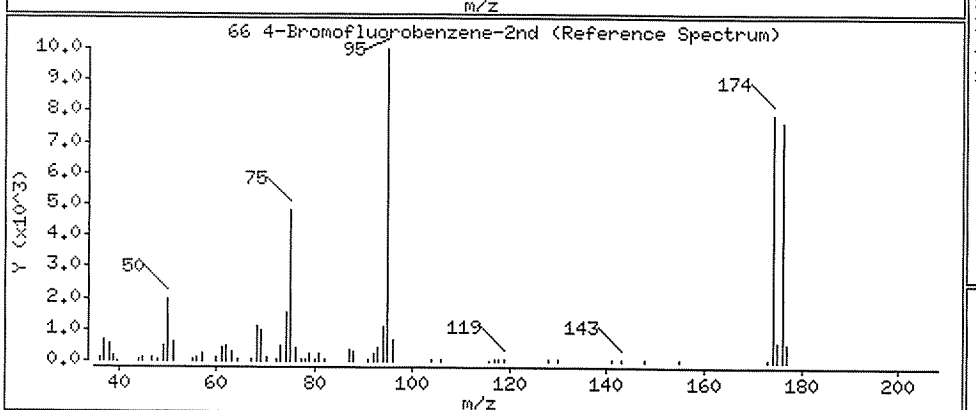
Concentration: 46.63 ug/Kg

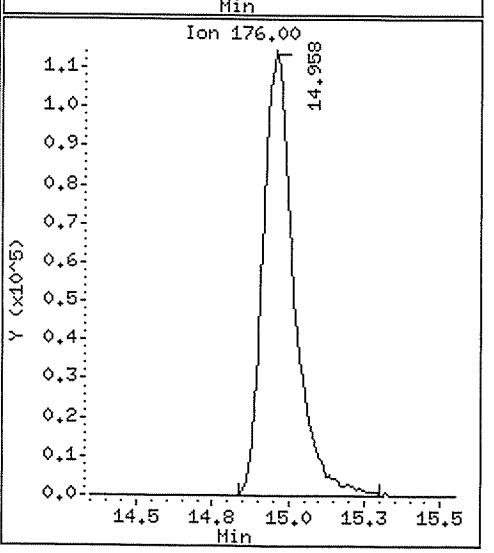


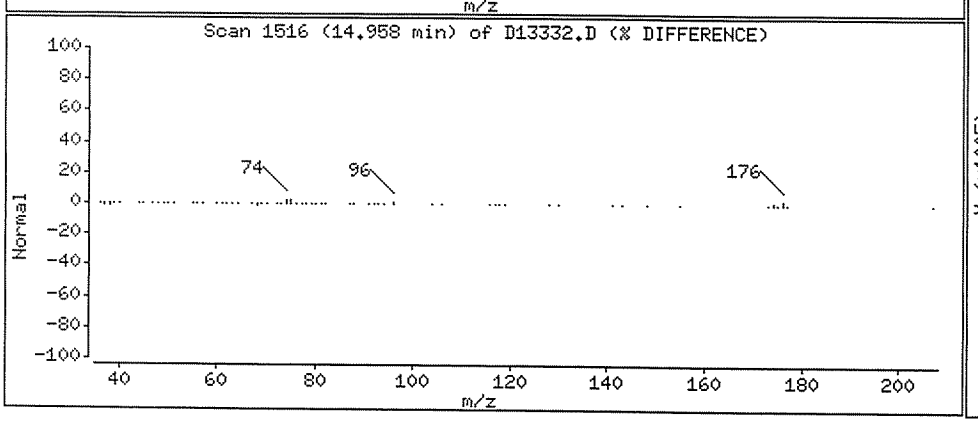












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13332.D

Date : 22-OCT-2000 22:17

Client ID: D13332

Instrument: md.i

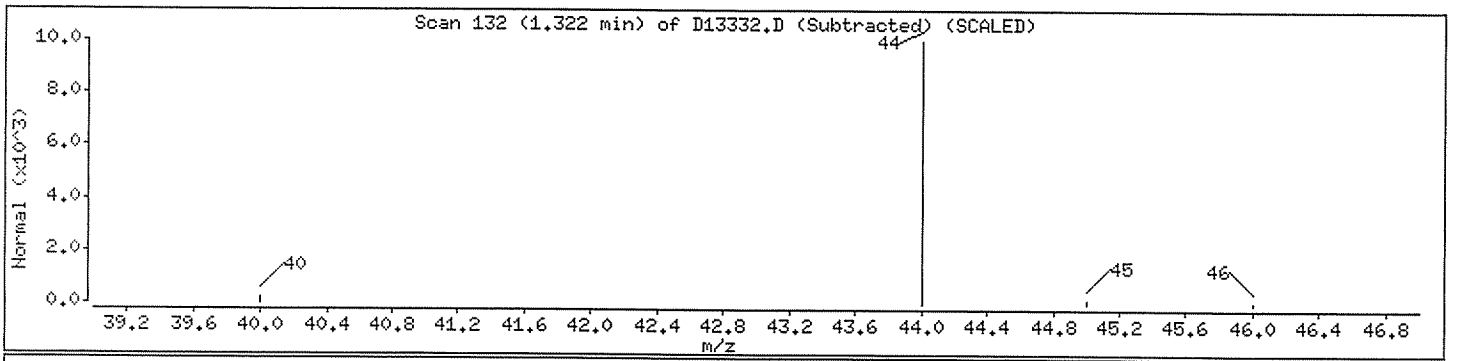
Sample Info: DM1AE1AC,,2,,0,1,0,8260BDA.M,D13332

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

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



X

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1022AD.B\D13333.D
Lab Smp Id: DM1AF1AA Client Smp ID: D13333
Inj Date : 22-OCT-2000 22:49
Operator : RRT Inst ID: md.i
Smp Info : DM1AF1AA,,2,,0,1,0,8260BDA.M,D13333
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
26 Chloroform (*)	83	5.717	5.713	(0.806)	26795	1.38281	1.38(aQ)
$ 29 Dibromofluoromethane	111	5.992	5.969	(0.844)	879951	46.7595	46.76
$ 33 1,2-Dichloroethane-d4	65	6.524	6.511	(0.919)	530009	41.7256	41.72
34 1,2-Dichloroethane-d4 2nd	102	6.524	6.521	(0.919)	109629	42.7795	42.78
* 38 Fluorobenzene	96	7.096	7.082	(1.000)	1323030	50.0000	
$ 47 Toluene-d8	98	9.924	9.910	(0.787)	1226823	44.2234	44.22
* 56 Chlorobenzene-d5	117	12.603	12.599	(1.000)	1198352	50.0000	
$ 67 4-Bromofluorobenzene	95	14.948	14.944	(0.865)	1010026	43.5306	43.53
66 4-Bromofluorobenzene-2nd	174	14.948	14.944	(0.865)	820708	47.2093	47.21
* 79 1,4-Dichlorobenzene-d4	152	17.273	17.259	(1.000)	873066	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\1022AD.B\D13333.D
Lab Smp Id: DM1AF1AA Client Smp ID: D13333
Inj Date : 22-OCT-2000 22:49
Operator : RRT Inst ID: md.i
Smp Info : DM1AF1AA,,2,,0,1,0,8260BDA.M,D13333
Misc Info : ,,5,,0,1-8260B.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1022AD.B\8260BDA.m
Meth Date : 22-Oct-2000 13:18 beckmang Quant Type: ISTD
Cal Date : 04-OCT-2000 14:02 Cal File: DS2519.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

ISTD	RT	AREA	AMOUNT
* 38 Fluorobenzene	7.096	3008183	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.323	458543	7.62159190	7.62	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1AF1AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13333
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

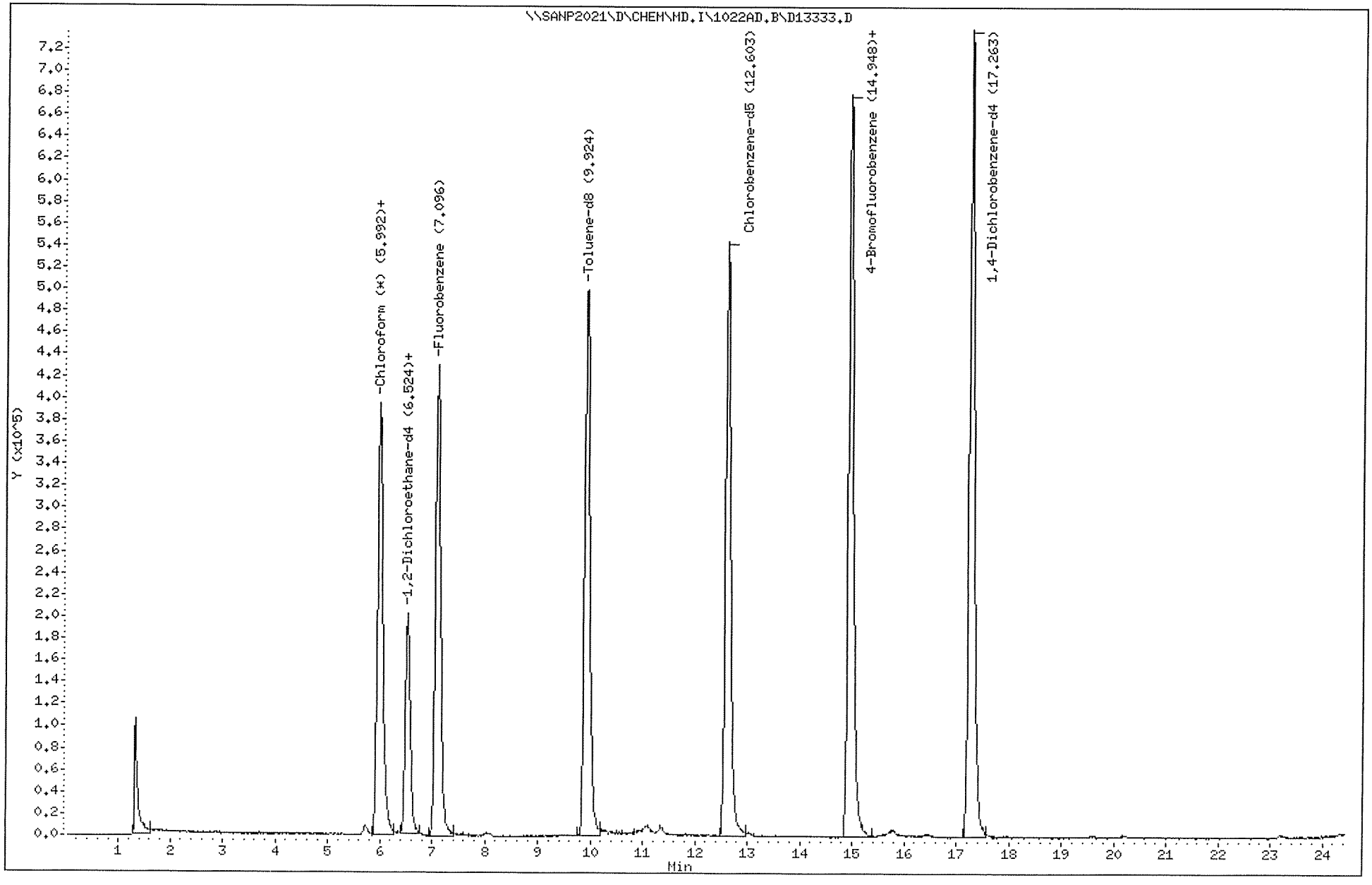
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.323	7.62	J

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13333.D
Date : 22-OCT-2000 22:49
Client ID: D13333
Sample Info: DM1AF1AA,,2,,0,1,0,8260BDA.M,D13333

Column phase: J&W DB-624

Instrument: md.i

Operator: RRT
Column diameter: 0.53



000618

BOE-C6-0165233

Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13333.D

Date : 22-OCT-2000 22:49

Client ID: D13333

Instrument: md.i

Sample Info: DM1AF1AA,,2,,0,1,0,8260BDA.M,D13333

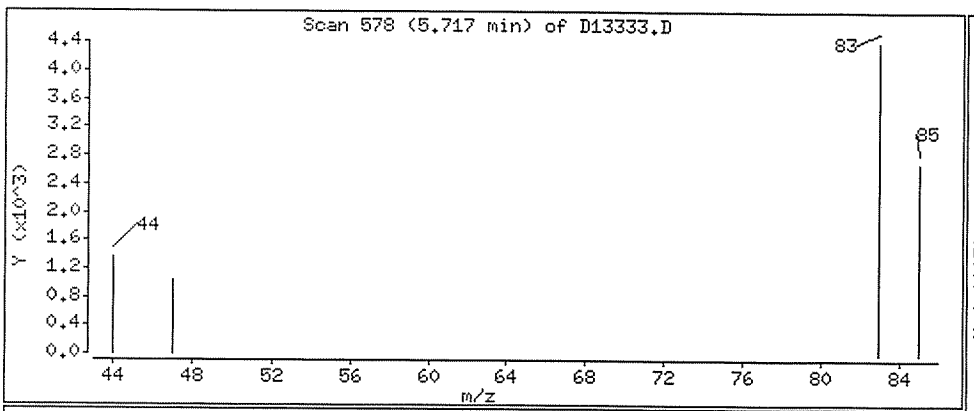
Operator: RRT

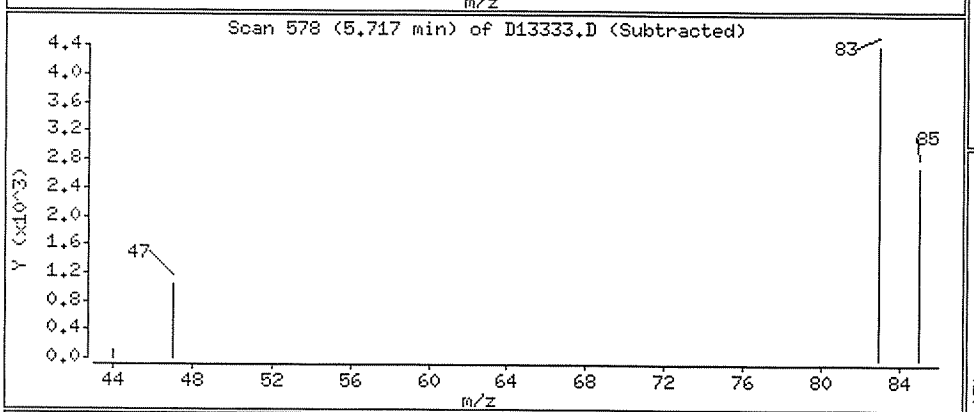
Column phase: J&W DB-624

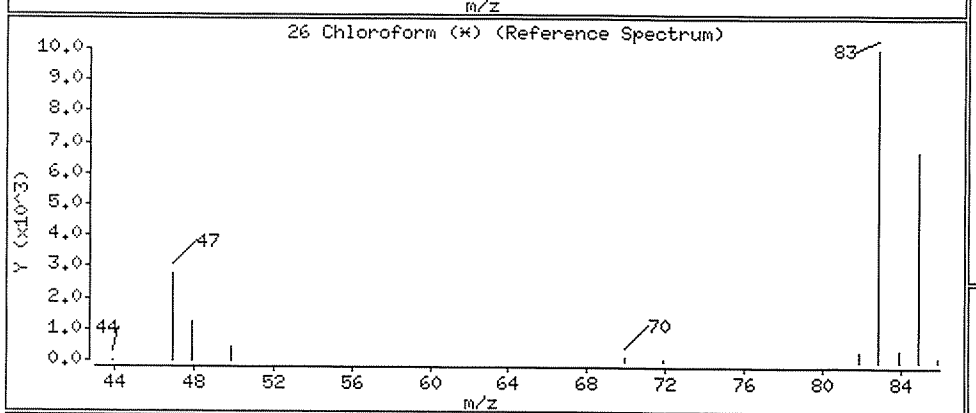
Column diameter: 0.53

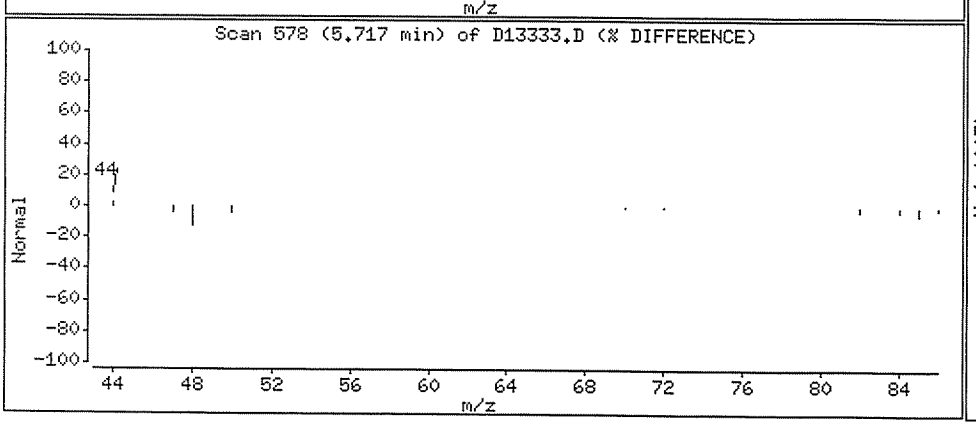
26 Chloroform (*)

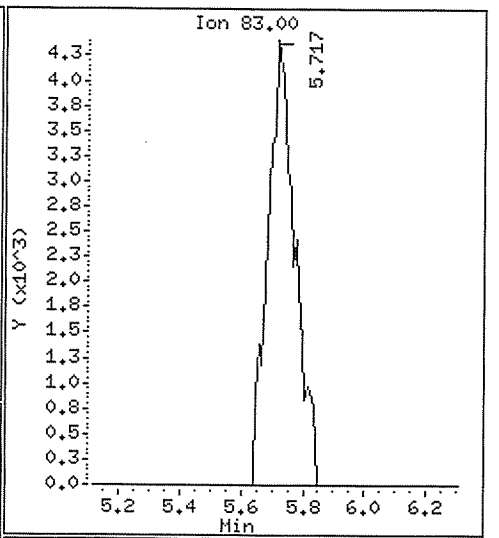
Concentration: 1.38 ug/Kg

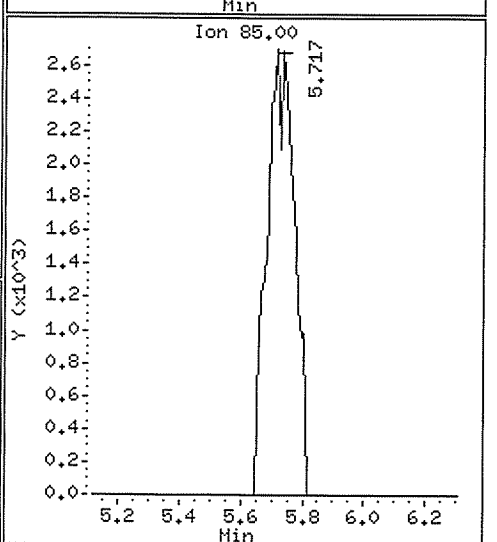


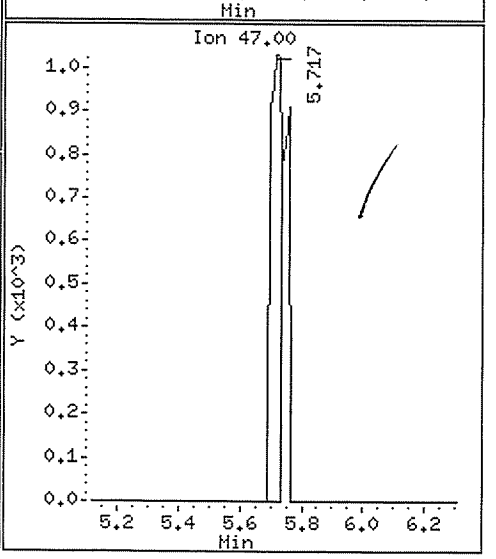












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13333.D

Date : 22-OCT-2000 22:49

Client ID: D13333

Instrument: md.i

Sample Info: DM1AF1AA,,2,,0,1,0,8260BDA.M,D13333

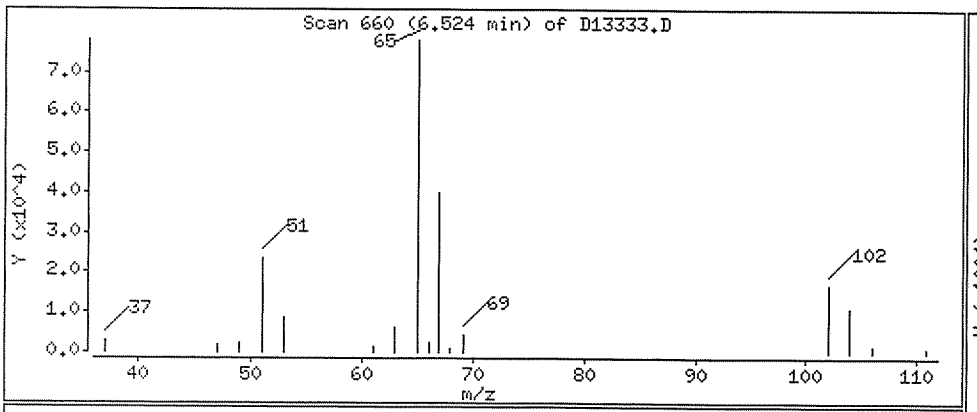
Operator: RRT

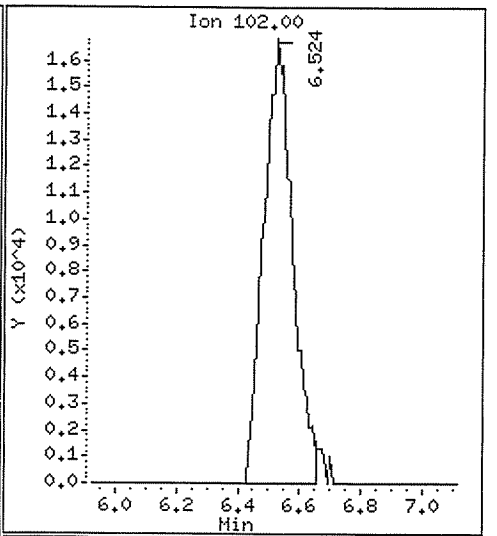
Column phase: J&W DB-624

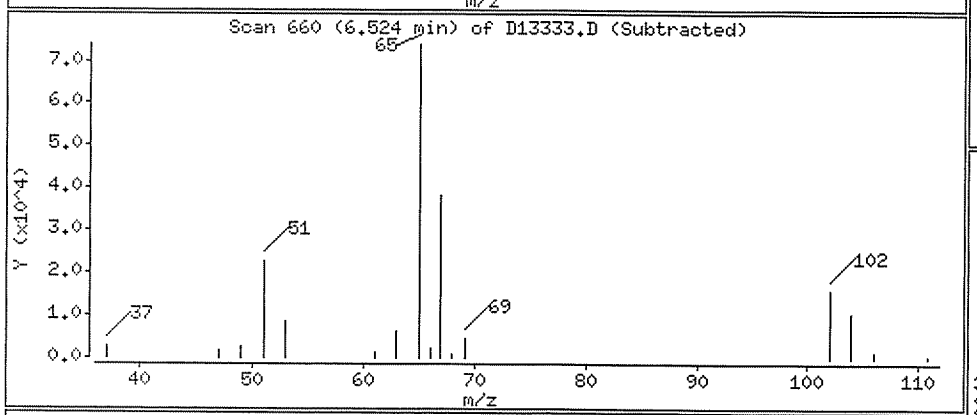
Column diameter: 0.53

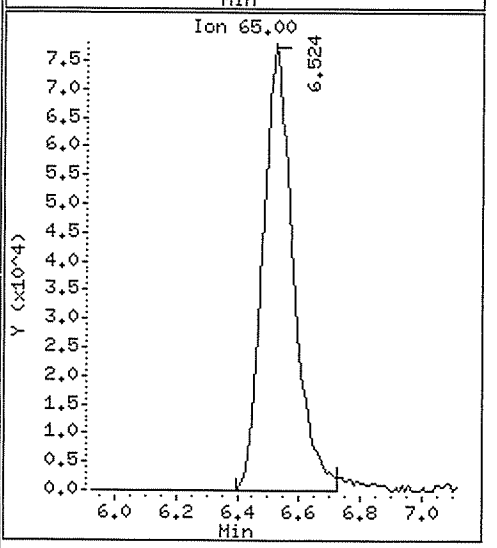
34 1,2-Dichloroethane-d4 2nd

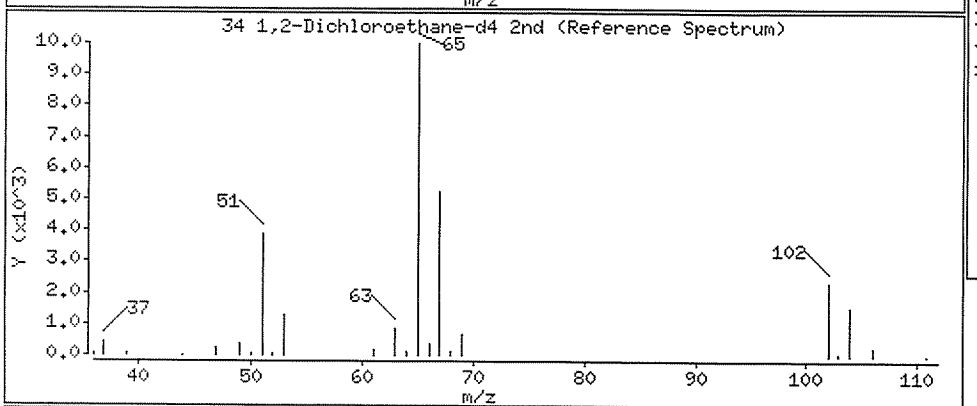
Concentration: 42.78 ug/Kg

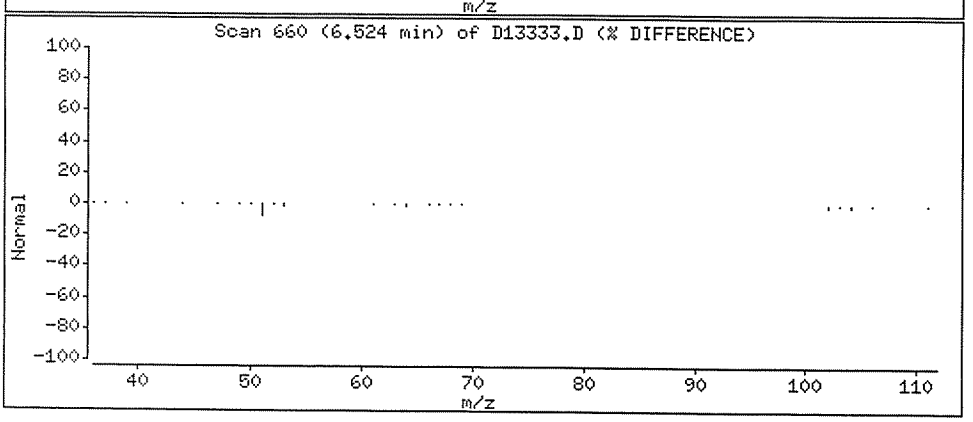












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13333.D

Date : 22-OCT-2000 22:49

Client ID: D13333

Instrument: md.i

Sample Info: DM1AF1AA,,2,,0,1,0,8260BDA.M,D13333

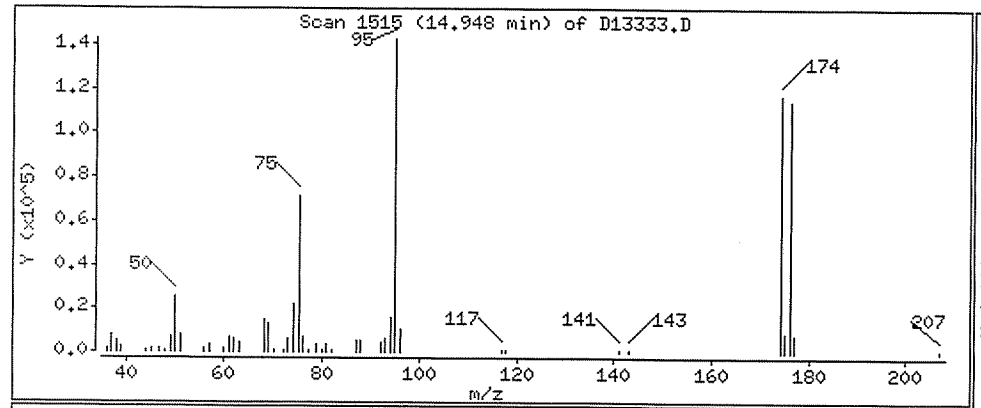
Operator: RRT

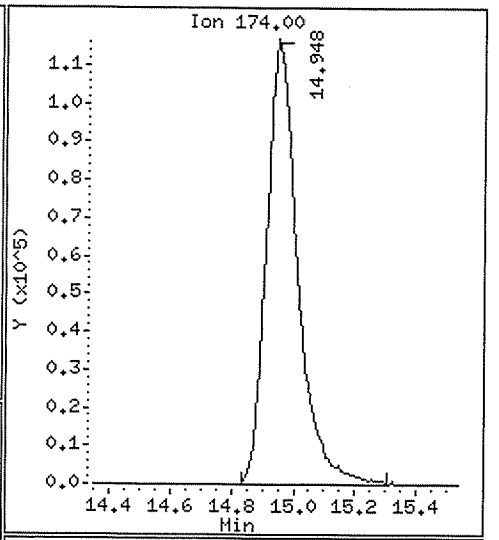
Column phase: J&W DB-624

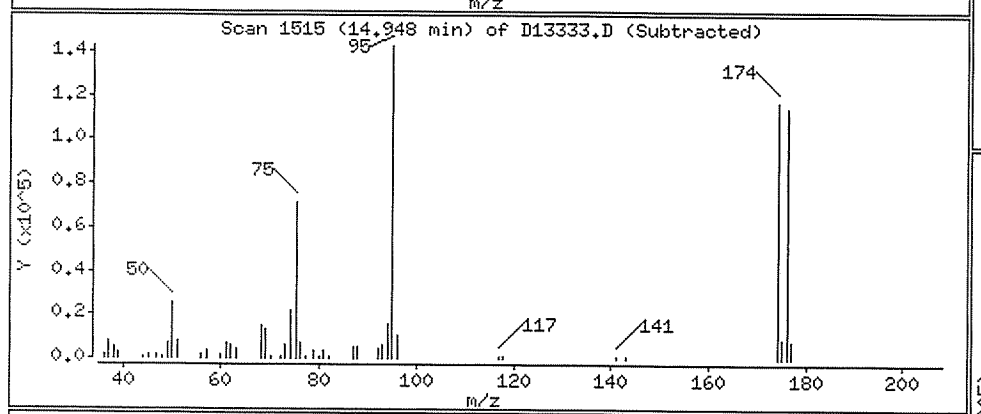
Column diameter: 0.53

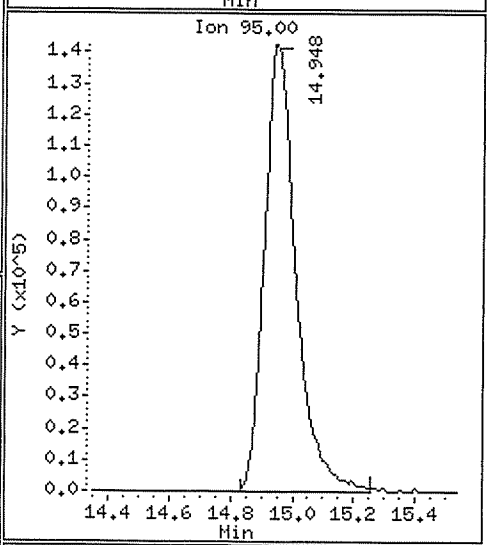
66 4-Bromofluorobenzene-2nd

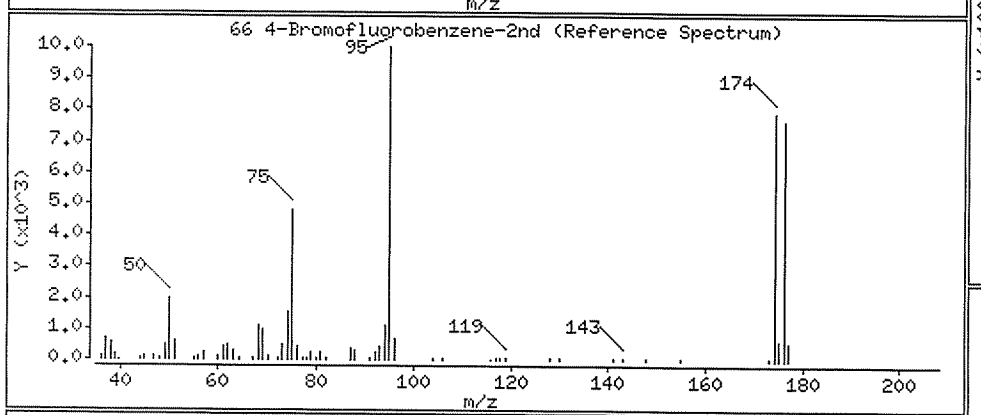
Concentration: 47.21 ug/Kg

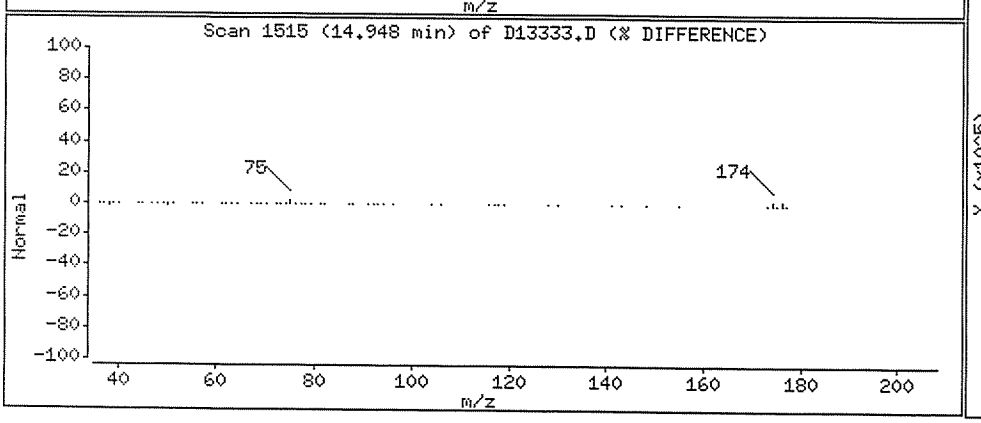


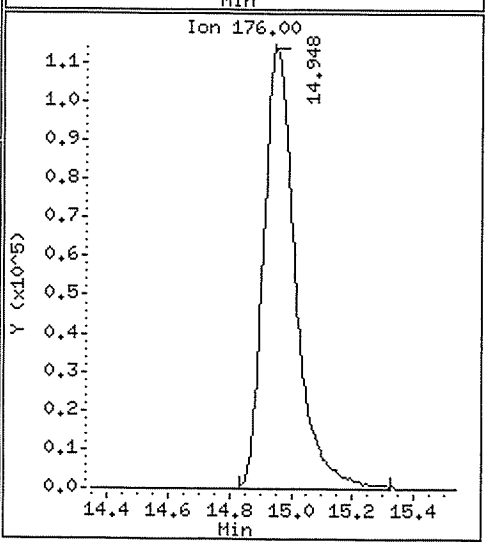












Data File: \\SANP2021\D\CHEM\MD.I\1022AD.B\D13333.D

Date : 22-OCT-2000 22:49

Client ID: D13333

Instrument: md.i

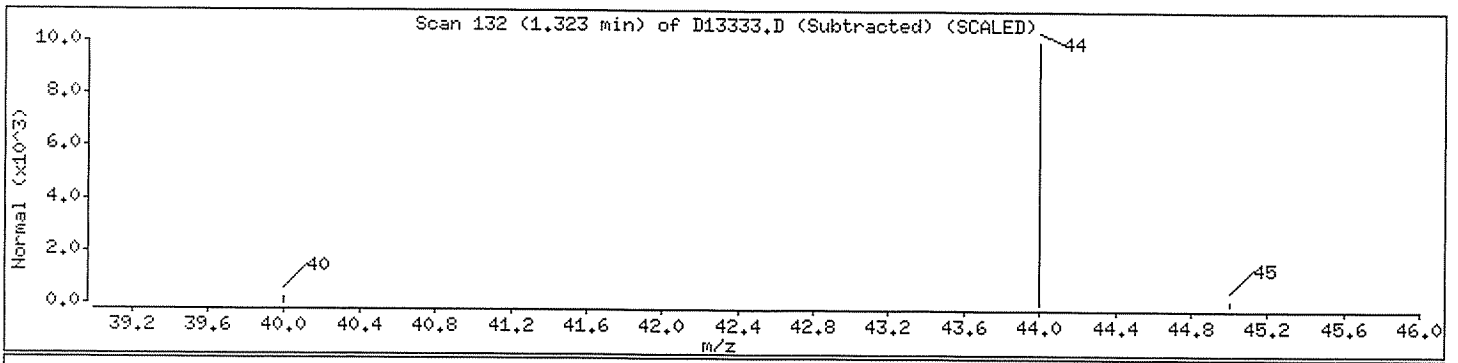
Sample Info: DM1AF1AA,,2,,0,1,0,8260BDA.M,D13333

Operator: RRT

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: 102200

INSTRUMENT ID: MSG

SAMPLES: E0J110284-17 → 27

BOE-C6-0165238

STL Los A. _les

FJK 10/27/00

Batch ID: 02986635

GC/MS VOA Run Log

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

Inst ID: MSG	EM Set: 1894	Tune File: BFB-U	Seq File: 1022AG
Init . Cal ID: 8260BGS 101800			Date: 102200

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
11:24		GT1377	~~10~~ 50ng BFB	–	–	4	–	–	✓			1265-2
11:46		GS2309	50ppb 8260B	1	Soil	5g	1	160	✓			FS1253-CA, SMP1265-1, SMP1257-1
12:34		GO9187	102200AG1-LCS2	2				167	✓			QC 1271-2
13:09		88	KP-2	3				136	✓			
13:52		89	DLW6P101	4				152	✓			EOJ100272-21
14:27		90	DLW6T101	5				134	✓			22
15:01		91	DLW6V101	6				127	✓			23
15:36		92	DLW71101	7				130	✓			24
16:10		93	DM1A31AA	8				134	✓			EOJ110284-17
16:44		94	DM1AL1AA	9				130	✓			18
17:19		95	DM1AM1AA	10				139	✓			19
17:53		96	DM1AP1AA	11				135	✓			20
18:28		97	DM1AP1AC S	12				145	✓			20MS
19:02		98	DM1AP1AD P	13				137	✓			20MD
19:37		99	DM1AR1AC	14				136	✓			21
20:11		200	DM1AV1AC	15				115	✓			22
20:45		1	DM1AX1AC	16				139	✓			23
21:20		2	DM1A11AC	17				135	✓			24
21:54		3	DM1A31AC	18				135	✓			25
22:29		4	DM1A51AC	19				111	✓			26
23:03		5	DM1A61AC	20				140	✓			27
23:38		6	DM1A81AA	21				118	✓			OUT OF TUNE 28

BOE-C6-0165239

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA06253

Lab File ID (Standard): GS2309 Date Analyzed: 10/22/00

Instrument ID: MG Time Analyzed: 1146

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	1602641	7.26	1084284	12.81	615884	17.44
	UPPER LIMIT	3205282	7.76	2168568	13.31	1231768	17.94
	LOWER LIMIT	801321	6.76	542142	12.31	307942	16.94
	EPA SAMPLE NO.						
01	G09187	1675132	7.26	1128951	12.79	644105	17.45
02	G09188	1361512	7.29	1093121	12.81	616480	17.46
03	G09189	1523057	7.26	1074642	12.80	635899	17.45
04	G09190	1349608	7.28	1048833	12.81	605925	17.46
05	G09191	1271302	7.28	1011254	12.81	565105	17.45
06	G09192	1304241	7.28	1013775	12.81	589916	17.45
07	G09193	1345738	7.29	1043935	12.81	605337	17.46
08	G09194	1309988	7.29	1016706	12.81	579949	17.45
09	G09195	1395728	7.28	1057066	12.80	555812	17.46
10	G09196	1355435	7.27	1046194	12.81	593726	17.46
11	G09197	1455193	7.27	1064167	12.81	623165	17.44
12	G09198	1377866	7.27	1087214	12.80	619253	17.44
13	G09199	1366929	7.26	1071152	12.80	588333	17.45
14	G09200	1157925	7.31	893970	12.80	485394	17.44
15	G09201	1399253	7.27	1115337	12.79	633657	17.44
16	G09202	1351070	7.26	1063650	12.80	606301	17.44
17	G09203	1354651	7.26	1070657	12.79	590623	17.43
18	G09204	1114814	7.31	837271	12.80	419907	17.44
19	G09205	1402675	7.27	1125202	12.78	645070	17.43
20	G09206	1188285	7.27	932970	12.79	510029	17.44
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: \\SANP2008\D\CHEM\MG.I\1022AG.B\GT1377.D

Date : 22-OCT-2000 11:24

Client ID:

Instrument: mg.i

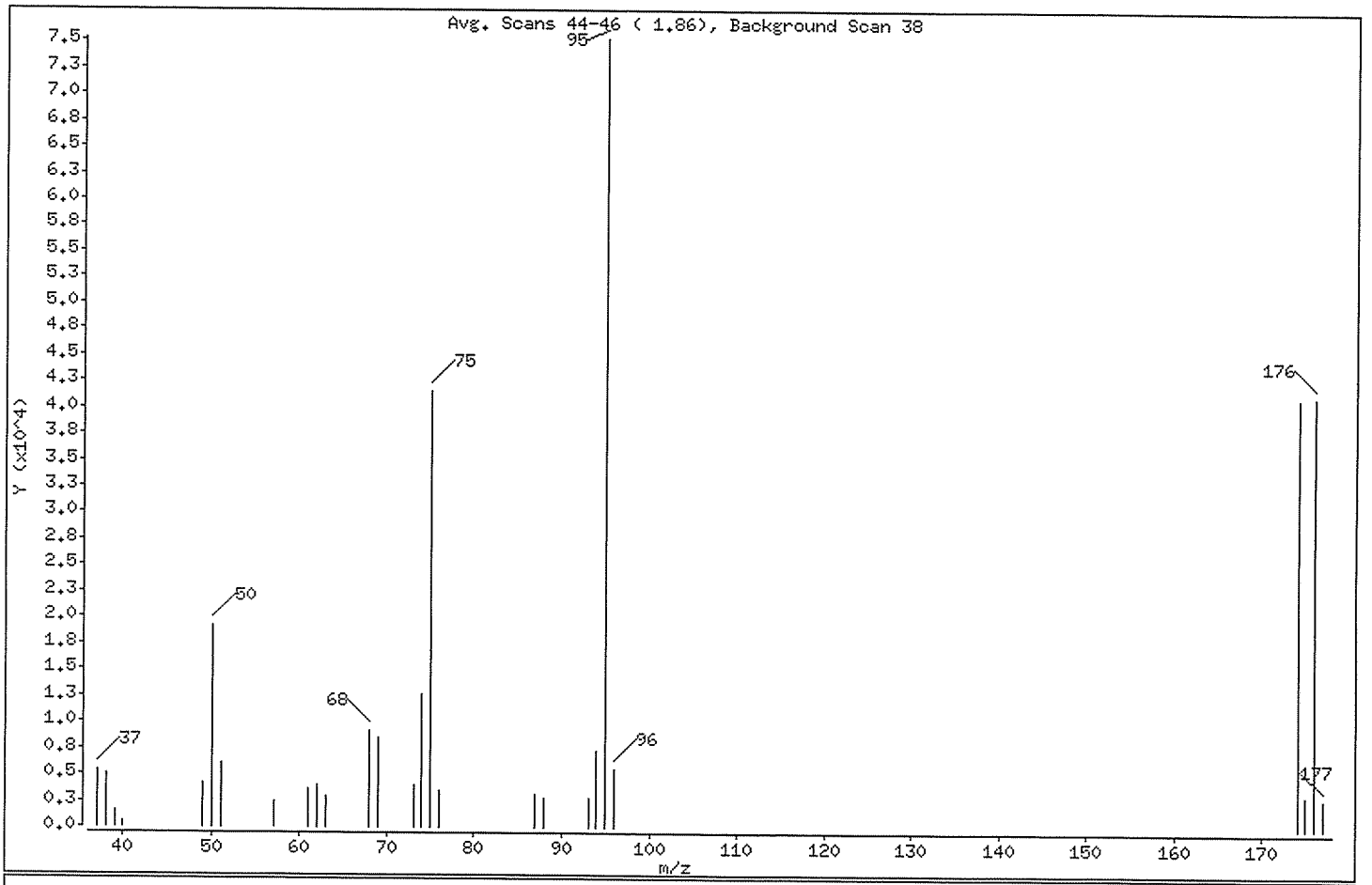
Sample Info: 50ng bfb,,,,,,bfb.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.45
75	30.00 - 60.00% of mass 95	55.27
96	5.00 - 9.00% of mass 95	7.34
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	54.49
175	5.00 - 9.00% of mass 174	4.12 (7.57)
176	95.00 - 101.00% of mass 174	54.72 (100.44)
177	5.00 - 9.00% of mass 176	3.69 (6.74)

10-23-00

000626

STL Los Angeles

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\GT1377.D
Lab Smp Id:
Inj Date : 22-OCT-2000 11:24
Operator : RRT Inst ID: mg.i
Smp Info : 50ng bfb,,,,,,bfb.M
Misc Info : EM1847;1265-2,,,3,all.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\BFB.M
Meth Date : 23-May-2000 08:19 gradyc 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: SANP2008

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 Bromofluorobenzene						CAS #: 460-00-4		
1.8585	1.8000	(0.000)	95	75208			0.00- 100.00	100.00
1.8585	1.8000	(0.000)	50	19141			15.00- 40.00	25.45
1.8585	1.8000	(0.000)	75	41565			30.00- 60.00	55.27
1.8585	1.8000	(0.000)	96	5519			5.00- 9.00	7.34
1.8585	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.8585	1.8000	(0.000)	174	40978			50.00- 0.00	54.49
1.8585	1.8000	(0.000)	175	3100			5.00- 9.00	7.57
1.8585	1.8000	(0.000)	176	41157			95.00- 101.00	100.44
1.8585	1.8000	(0.000)	177	2775			5.00- 9.00	6.74

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\GT1377.D

Date : 22-OCT-2000 11:24

Client ID:

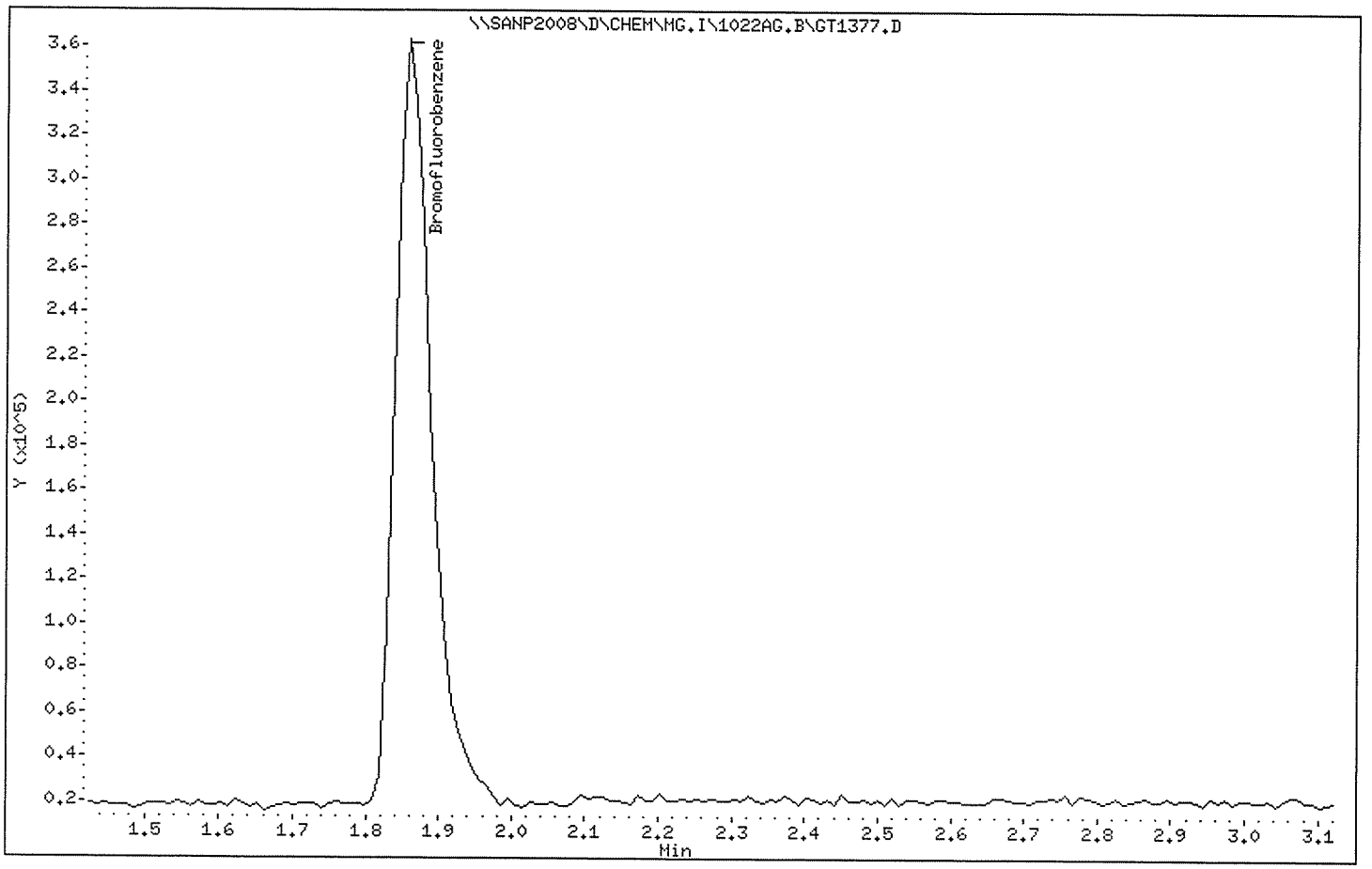
Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\GT1377.D

Date : 22-OCT-2000 11:24

Client ID:

Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Data File: GT1377.D
Spectrum: Avg. Scans 44-46 (1.86), Background Scan 38
Location of Maximum: 95.00
Number of points: 27

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	5319	57.00	2435	74.00	12600	95.00	75208
38.00	5042	61.00	3703	75.00	41560	96.00	5519
39.00	1537	62.00	3988	76.00	3391	174.00	40976
40.00	530	63.00	2954	87.00	3143	175.00	3100
49.00	4131	68.00	9134	88.00	2763	176.00	41152
50.00	19136	69.00	8442	93.00	2849	177.00	2775
51.00	5967	73.00	4038	94.00	7289		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2309.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m

Injection Date: 22-OCT-2000 11:46
Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Init. Cal. Times: 22:09 00:29
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	1 Dichlorodifluoromethane	0.46420	0.35058	0.010	-24.5	50.0	
	3 Chloromethane (**)	0.34566	0.36092	0.100	4.4	50.0	
	2 Vinyl chloride (*)	0.36047	0.37771	0.010	4.8	20.0	
	4 Bromomethane	0.16537	0.21037	0.010	27.2	50.0	
	5 Chloroethane	0.13763	0.20823	0.010	51.3	50.0	<-
	6 Trichlorofluoromethane	0.55521	0.74060	0.010	33.4	50.0	
	7 Acrolein	0.02876	0.03092	0.001	7.5	50.0	
	8 1,1-Dichloroethene(*)	0.25243	0.29339	0.010	16.2	20.0	
	9 1,1,2-Trichlorotrifluoroeth	0.35918	0.41968	0.010	16.8	50.0	
	10 Acetone	0.09673	0.13326	0.010	37.8	50.0	
	11 Iodomethane	0.53186	0.63816	0.001	20.0	50.0	
	12 Carbon disulfide	0.99982	0.99642	0.010	-0.3	50.0	
	13 Methylene chloride	0.30813	0.35967	0.010	16.7	50.0	
	14 t-Butanol	0.00803	0.01185	0.001	47.6	20.0	<-
	16 Acrylonitrile	0.08506	0.10818	0.001	27.2	20.0	<-
	15 trans-1,2-Dichloroethene	0.30349	0.36425	0.010	20.0	50.0	
	19 Vinyl acetate	1.20899	1.58112	0.010	30.8	50.0	
	17 Methyl-tert-butyl ether[MTB	0.83613	1.07814	0.010	28.9	50.0	
	18 1,1-Dichloroethane (**)	0.68835	0.83078	0.100	20.7	50.0	
	20 Isopropyl ether	1.56726	1.98267	0.010	26.5	20.0	<-
	22 Tert-butyl ethyl ether	1.25390	1.57988	0.010	26.0	20.0	<-
	21 2,2-Dichloropropane	0.56113	0.73949	0.010	31.8	50.0	
	23 cis-1,2-Dichloroethene	0.32212	0.37093	0.010	15.2	50.0	
	24 2-Butanone	0.19635	0.25528	0.010	30.0	50.0	
	25 Bromochloromethane	0.18702	0.21832	0.010	16.7	50.0	
	27 Tetrahydrofuran	0.13360	0.18539	0.010	38.8	50.0	
	26 Chloroform (*)	0.70219	0.81564	0.010	16.2	20.0	
M	28 1,2-Dichloroethene (total)	0.31281	0.36759	0.010	17.5	50.0	
$	29 Dibromofluoromethane	0.57587	0.64404	0.010	11.8	50.0	
	30 1,1,1-Trichloroethane	0.56932	0.73044	0.010	28.3	50.0	
	31 Carbon Tetrachloride	0.52227	0.67007	0.010	28.3	50.0	
	32 1,1-Dichloropropene	0.53757	0.69049	0.010	28.4	50.0	
$	33 1,2-Dichloroethane-d4	0.45684	0.55000	0.010	20.4	50.0	
	34 1,2-Dichloroethane-d4 2nd	0.07197	0.10028	0.010	39.3	50.0	
	35 Benzene	0.98881	1.17330	0.010	18.7	50.0	

10-23-00

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2309.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m

Injection Date: 22-OCT-2000 11:46
Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Init. Cal. Times: 22:09 00:29
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	36 1,2-Dichloroethane	0.51519	0.65428	0.010	27.0	50.0	
	37 Tert-amyl methyl ether	1.00114	1.30784	0.010	30.6	20.0	<-
	39 Trichloroethene	0.37451	0.42304	0.010	13.0	50.0	
	40 1,2-Dichloropropane(*)	0.46264	0.54723	0.010	18.3	20.0	
	41 Dibromomethane	0.33793	0.37773	0.010	11.8	50.0	
	42 Bromodichloromethane	0.73591	0.82505	0.010	12.1	50.0	
	44 2-Chloroethylvinyl ether	0.04854	0.06426	0.010	32.4	20.0	<-
	43 1-Bromo-2-chloroethane	0.87901	0.96765	0.010	10.1	50.0	
	45 cis-1,3-Dichloropropene	0.60154	0.62845	0.010	4.5	50.0	
	46 4-Methyl-2-pentanone	0.48136	0.58746	0.010	22.0	50.0	
$	47 Toluene-d8	1.23442	1.34521	0.010	9.0	50.0	
	48 Toluene (*)	1.40813	1.55968	0.010	10.8	20.0	
	49 trans-1,3-Dichloropropene	0.67386	0.80875	0.010	20.0	50.0	
	50 1,1,2-Trichloroethane	0.47150	0.51016	0.010	8.2	50.0	
	51 Tetrachloroethene	0.42572	0.48437	0.010	13.8	50.0	
	52 1,3-Dichloropropane	0.85229	0.96271	0.010	13.0	50.0	
	53 2-Hexanone	0.46450	0.61796	0.010	33.0	50.0	
	54 Dibromochloromethane	0.75785	0.81112	0.010	7.0	50.0	
	55 1,2-Dibromoethane	0.65749	0.70408	0.010	7.1	50.0	
	57 Chlorobenzene (**)	0.96640	1.06692	0.300	10.4	50.0	
	58 1,1,1,2-Tetrachloroethane	0.52618	0.56298	0.010	7.0	50.0	
	59 Ethylbenzene (*)	0.45785	0.53896	0.010	17.7	20.0	
	60 m,p-Xylenes	0.55027	0.63296	0.010	15.0	50.0	
	61 o-Xylene	0.51797	0.63156	0.010	21.9	50.0	
	62 Styrene	0.88219	1.04080	0.010	18.0	50.0	
M	63 Xylenes (total)	0.53950	0.63249	0.010	17.2	50.0	
	64 Bromoform (**)	0.54767	0.60239	0.100	10.0	50.0	
	65 Isopropylbenzene	1.55119	1.92029	0.010	23.8	50.0	
$	67 4-Bromofluorobenzene	1.63808	1.81042	0.010	10.5	50.0	
	66 4-Bromofluorobenzene-2nd	0.93147	1.00211	0.010	7.6	50.0	
	68 Bromobenzene	0.89290	0.96617	0.010	8.2	50.0	
	69 1,1,2,2-Tetrachloroethane(*	1.50992	1.61259	0.300	6.8	50.0	
	70 1,2,3-Trichloropropane	0.35105	0.42089	0.010	19.9	50.0	
	71 n-Propylbenzene	3.83988	4.37734	0.010	14.0	50.0	
	72 2-Chlorotoluene	0.67258	0.76471	0.010	13.7	50.0	
	73 4-Chlorotoluene	0.65137	0.76541	0.010	17.5	50.0	

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2309.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m

Injection Date: 22-OCT-2000 11:46
Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Init. Cal. Times: 22:09 00:29
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.44521	2.84573	0.010	16.4	50.0
75 tert-Butylbenzene	2.43048	2.74599	0.010	13.0	50.0
76 1,2,4-Trimethylbenzene	2.44929	2.81325	0.010	14.9	50.0
77 sec-Butylbenzene	3.29814	3.84213	0.010	16.5	50.0
78 1,3-Dichlorobenzene	1.44325	1.58359	0.010	9.7	50.0
80 1,4-Dichlorobenzene	1.47887	1.68405	0.010	13.9	50.0
81 p-Isopropyltoluene	2.51305	2.99463	0.010	19.2	50.0
82 1,2-Dichlorobenzene	1.37067	1.53478	0.010	12.0	50.0
83 n-Butylbenzene	2.59306	3.28346	0.010	26.6	50.0
84 1,2-Dibromo-3-chloropropane	0.34315	0.41920	0.010	22.2	50.0
85 1,2,4-Trichlorobenzene	0.98845	1.20201	0.010	21.6	50.0
86 Hexachlorobutadiene	0.77052	0.93008	0.010	20.7	50.0
87 Napthalene	1.87151	2.18624	0.010	16.8	50.0
88 1,2,3-Trichlorobenzene	0.97584	1.15040	0.010	17.9	50.0

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2008\D\CHEM\MG.I\1022AG.B/GS2309.D
Inj. Date : 22-OCT-2000 11:46

ICAL Mid Point : //SANP2008/D/chem/mg.i/1018BG.B/GS2295.D
Inj. Date : 18-OCT-2000 23:19

IS NAME	ICAL RT	CCV RT	DIFF.	ICAL AREA	CCV AREA	%DIFF.
Fluorobenzene	7.08	7.26	-0.18	1248208	1602641	128.4%
Chlorobenzene-d5	12.59	12.81	-0.21	901954	1084284	120.2%
1,4-Dichlorobenzene-d4	17.24	17.44	-0.20	473592	615884	130.0%

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2309.D
Lab Smp Id: 50 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Misc Info: 1259-1;53-2A;65-1,,5,,2,1-8260B.SUB

Calibration Date: 22-OCT-2000
Calibration Time: 11:46

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	1602641	801321	3205282	1602641	0.00
56 Chlorobenzene-d5	1084284	542142	2168568	1084284	0.00
79 1,4-Dichlorobenze	615884	307942	1231768	615884	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.26	6.76	7.76	7.26	0.00
56 Chlorobenzene-d5	12.81	12.31	13.31	12.81	0.00
79 1,4-Dichlorobenze	17.44	16.94	17.94	17.44	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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\GS2309.D
Lab Smp Id: 50 PPB 8260B
Inj Date : 22-OCT-2000 11:46
Operator : RRT Inst ID: mg.i
Smp Info : 50 PPB 8260B,,,3,0,,,8260BGS.M
Misc Info : 1259-1;53-2A;65-1,,5,,2,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 12:13 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.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: SANP2008

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	1.576	1.576	(0.217)	561852	50.0000	37.76
3 Chloromethane (**)	50	1.832	1.832	(0.252)	578422	50.0000	52.21
2 Vinyl chloride (*)	62	1.803	1.803	(0.248)	605336	50.0000	52.39
4 Bromomethane	94	2.089	2.089	(0.287)	337143	50.0000	63.61
5 Chloroethane	64	2.167	2.167	(0.298)	333721	50.0000	75.65
6 Trichlorofluoromethane	101	2.424	2.424	(0.334)	1186917	50.0000	66.70
7 Acrolein	56	2.838	2.838	(0.391)	495558	500.000	537.5(A)
8 1,1-Dichloroethene(*)	96	2.937	2.937	(0.404)	470202	50.0000	58.11
9 1,1,2-Trichlorotrifluoroethan	151	2.946	2.946	(0.406)	672598	50.0000	58.42
10 Acetone	43	3.035	3.035	(0.418)	1067815	250.000	344.4
11 Iodomethane	142	3.094	3.094	(0.426)	2045495	100.000	120.0(A)
12 Carbon disulfide	76	3.173	3.173	(0.437)	1596900	50.0000	49.83
13 Methylene chloride	84	3.508	3.508	(0.483)	576419	50.0000	58.36
14 t-Butanol	59	3.765	3.765	(0.518)	474857	1250.00	1844(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Acrylontrile	53	3.844	3.844	(0.529)	1733729	500.000	635.9(A)
	15 trans-1,2-Dichloroethene	96	3.853	3.853	(0.530)	583758	50.0000	60.01
	19 Vinyl acetate	43	4.593	4.593	(0.632)	5067925	100.000	130.8(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.893	3.893	(0.536)	1727877	50.0000	64.47
	18 1,1-Dichloroethane (**)	63	4.465	4.465	(0.615)	1331444	50.0000	60.34
	20 Isopropyl ether	45	4.642	4.642	(0.639)	3177508	50.0000	63.25
	22 Tert-butyl ethyl ether	59	5.194	5.194	(0.715)	2531987	50.0000	63.00
	21 2,2-Dichloropropane	77	5.352	5.352	(0.737)	1185138	50.0000	65.89
	23 cis-1,2-Dichloroethene	96	5.372	5.372	(0.739)	594470	50.0000	57.58
	24 2-Butanone	43	5.460	5.460	(0.752)	2045616	250.000	325.0
	25 Bromochloromethane	128	5.756	5.756	(0.792)	349893	50.0000	58.37
	27 Tetrahydrofuran	42	5.865	5.865	(0.807)	297107	50.0000	69.38
	26 Chloroform (*)	83	5.914	5.914	(0.814)	1307174	50.0000	58.08
M	28 1,2-Dichloroethene (total)	100				1178229	100.000	117.6
$	29 Dibromofluoromethane	111	6.180	6.180	(0.851)	1032170	50.0000	55.92
	30 1,1,1-Trichloroethane	97	6.141	6.141	(0.845)	1170633	50.0000	64.15
	31 Carbon Tetrachloride	117	6.407	6.407	(0.882)	1073889	50.0000	64.15
	32 1,1-Dichloropropene	75	6.427	6.427	(0.885)	1106614	50.0000	64.22
$	33 1,2-Dichloroethane-d4	65	6.703	6.703	(0.923)	881445	50.0000	60.20
	34 1,2-Dichloroethane-d4 2nd	102	6.713	6.713	(0.924)	160719	50.0000	69.67
	35 Benzene	78	6.762	6.762	(0.931)	1880383	50.0000	59.33
	36 1,2-Dichloroethane	62	6.821	6.821	(0.939)	1048570	50.0000	63.50
	37 Tert-amyl methyl ether	73	7.058	7.058	(0.971)	2095997	50.0000	65.32
*	38 Fluorobenzene	96	7.265	7.265	(1.000)	1602641	50.0000	
	39 Trichloroethene	130	7.906	7.906	(1.088)	677976	50.0000	56.48
	40 1,2-Dichloropropane(*)	63	8.290	8.290	(1.141)	877006	50.0000	59.14
	41 Dibromomethane	93	8.507	8.507	(1.171)	605366	50.0000	55.89
	42 Bromodichloromethane	83	8.832	8.832	(1.216)	1322266	50.0000	56.06
	44 2-Chloroethylvinyl ether	106	9.444	9.444	(1.300)	205975	100.000	132.4(AQ)
	43 1-Bromo-2-chloroethane	63	9.335	9.335	(1.285)	1550795	50.0000	55.04
	45 cis-1,3-Dichloropropene	75	9.641	9.641	(1.327)	1007177	50.0000	52.24
	46 4-Methyl-2-pentanone	43	9.996	9.996	(1.376)	4707411	250.000	305.1
$	47 Toluene-d8	98	10.104	10.104	(0.789)	1458586	50.0000	54.49
	48 Toluene (*)	91	10.213	10.213	(0.797)	1691138	50.0000	55.38
	49 trans-1,3-Dichloropropene	75	10.696	10.696	(0.835)	876913	50.0000	60.01
	50 1,1,2-Trichloroethane	97	11.021	11.021	(0.861)	553160	50.0000	54.10
	51 Tetrachloroethene	164	11.218	11.218	(0.876)	525194	50.0000	56.89
	52 1,3-Dichloropropane	76	11.317	11.317	(0.884)	1043851	50.0000	56.48
	53 2-Hexanone	43	11.563	11.563	(0.903)	3350218	250.000	332.6
	54 Dibromochloromethane	129	11.721	11.721	(0.915)	879486	50.0000	53.51
	55 1,2-Dibromoethane	107	11.879	11.879	(0.928)	763420	50.0000	53.54
*	56 Chlorobenzene-d5	117	12.806	12.806	(1.000)	1084284	50.0000	
	57 Chlorobenzene (**)	112	12.845	12.845	(1.003)	1156845	50.0000	55.20
	58 1,1,1,2-Tetrachloroethane	131	13.032	13.032	(1.018)	610430	50.0000	53.50
	59 Ethylbenzene (*)	106	13.101	13.101	(1.023)	584380	50.0000	58.86
	60 m,p-Xylenes	106	13.348	13.348	(1.042)	1372613	100.000	115.0
	61 o-Xylene	106	14.107	14.107	(1.102)	684786	50.0000	60.96

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	14.146	14.146	(1.105)	1128523	50.0000	58.99
M	63 Xylenes (total)	100				2057400	150.000	176.0
	64 Bromoform (**)	173	14.452	14.452	(1.129)	653163	50.0000	55.00
	65 Isopropylbenzene	105	14.856	14.856	(1.160)	2082144	50.0000	61.90
$	67 4-Bromofluorobenzene	95	15.123	15.123	(0.867)	1115010	50.0000	55.26
	66 4-Bromofluorobenzene-2nd	174	15.132	15.132	(0.868)	617182	50.0000	53.79
	68 Bromobenzene	156	15.359	15.359	(0.881)	595051	50.0000	54.10
	69 1,1,2,2-Tetrachloroethane(**)	83	15.507	15.507	(0.889)	993168	50.0000	53.40
	70 1,2,3-Trichloropropane	110	15.537	15.537	(0.891)	259217	50.0000	59.95
	71 n-Propylbenzene	91	15.685	15.685	(0.899)	2695935	50.0000	57.00
	72 2-Chlorotoluene	126	15.793	15.793	(0.906)	470976	50.0000	56.85
	73 4-Chlorotoluene	126	16.020	16.020	(0.919)	471406	50.0000	58.75
	74 1,3,5-Trimethylbenzene	105	16.069	16.069	(0.921)	1752641	50.0000	58.19
	75 tert-Butylbenzene	119	16.700	16.700	(0.958)	1691215	50.0000	56.49
	76 1,2,4-Trimethylbenzene	105	16.808	16.808	(0.964)	1732638	50.0000	57.43
	77 sec-Butylbenzene	105	17.144	17.144	(0.983)	2366305	50.0000	58.25
	78 1,3-Dichlorobenzene	146	17.301	17.301	(0.992)	975306	50.0000	54.86
*	79 1,4-Dichlorobenzene-d4	152	17.439	17.439	(1.000)	615884	50.0000	
	80 1,4-Dichlorobenzene	146	17.489	17.489	(1.003)	1037182	50.0000	56.94
	81 p-Isopropyltoluene	119	17.469	17.469	(1.002)	1844348	50.0000	59.58
	82 1,2-Dichlorobenzene	146	18.218	18.218	(1.045)	945245	50.0000	55.99
	83 n-Butylbenzene	91	18.307	18.307	(1.050)	2022232	50.0000	63.31
	84 1,2-Dibromo-3-chloropropane	157	19.835	19.835	(1.137)	258181	50.0000	61.08
	85 1,2,4-Trichlorobenzene	180	21.551	21.551	(1.236)	740300	50.0000	60.80
	86 Hexachlorobutadiene	225	21.945	21.945	(1.258)	572824	50.0000	60.35
	87 Napthalene	128	22.014	22.014	(1.262)	1346470	50.0000	58.41
	88 1,2,3-Trichlorobenzene	180	22.517	22.517	(1.291)	708511	50.0000	58.94

QC Flag Legend

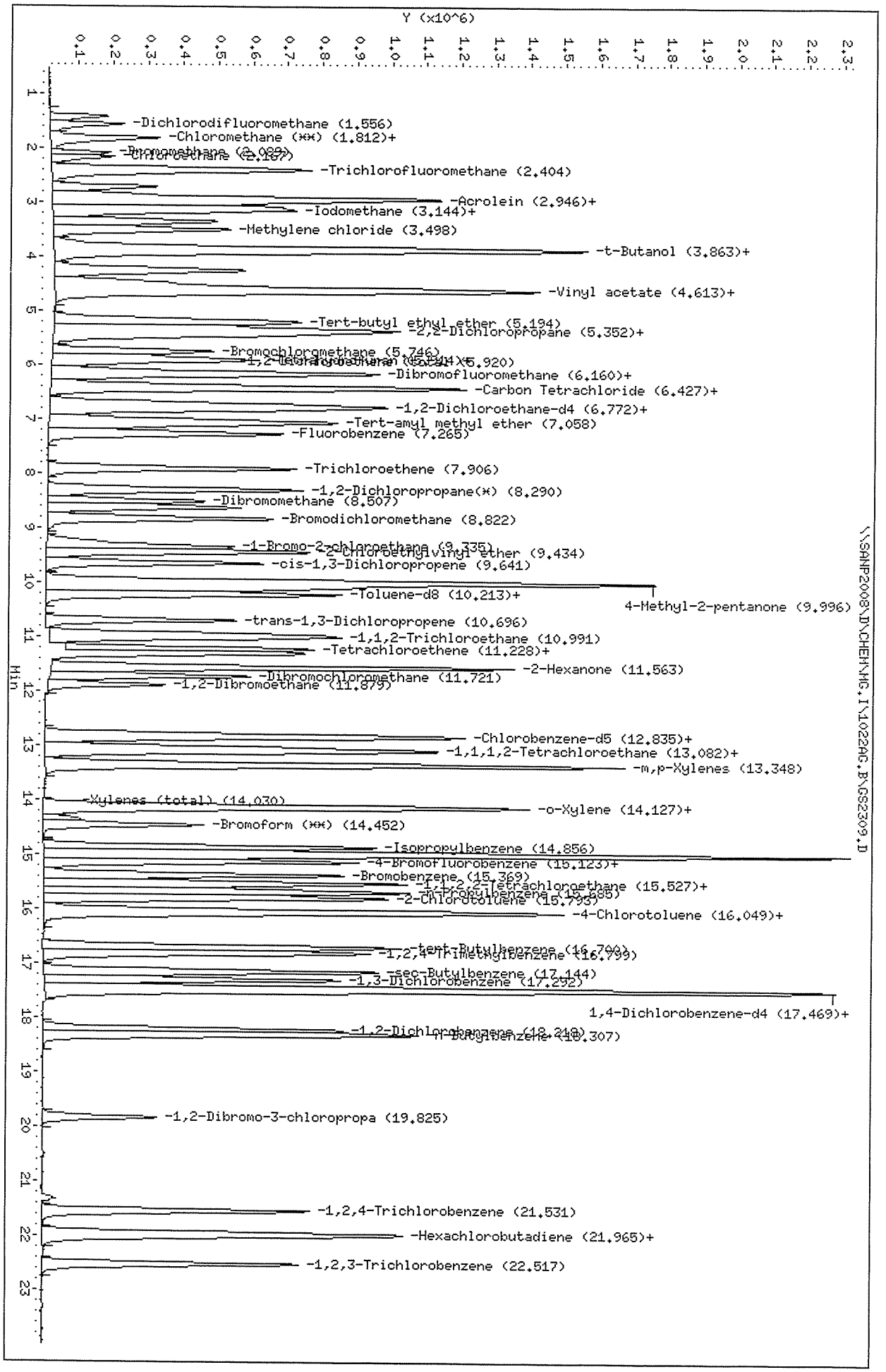
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\GS2309.D
Date : 22-OCT-2000 11:46
Client ID:
Sample Info: 50 PPB 8260B,,3,0,,,8260BGS.M

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09187.D
Lab Smp Id: LCS-1022AG Client Smp ID: G09187
Inj Date : 22-OCT-2000 12:34
Operator : RRT Inst ID: mg.i
Smp Info : LCS-1022AG,LCS,2,,0,1,0,8260BGS.M,G09187
Misc Info : 1252-1,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 12:13 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

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

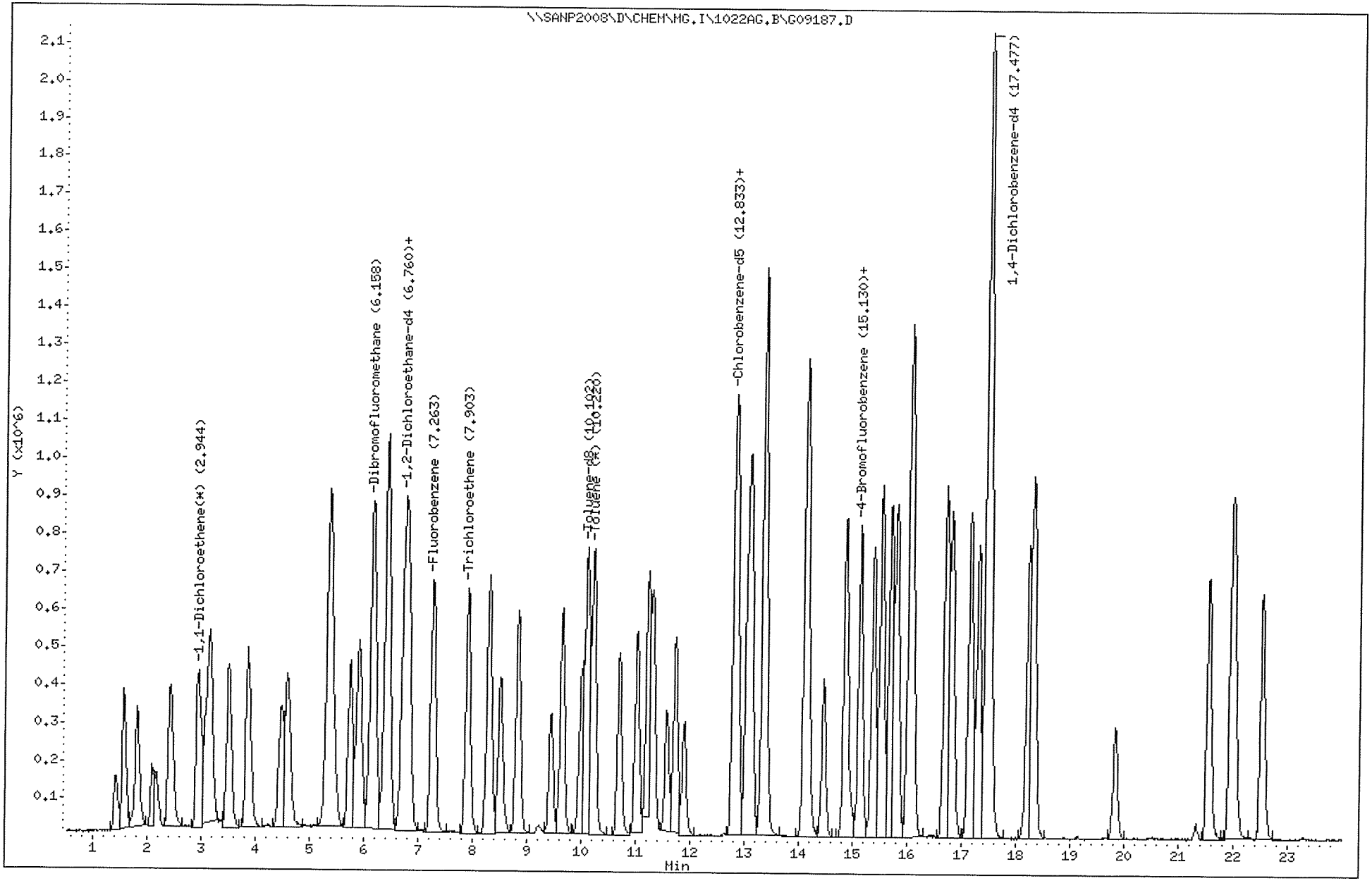
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.944	2.937	(0.405)	456708	54.0042	54.00
$ 29 Dibromofluoromethane	111	6.168	6.180	(0.849)	1021889	52.9664	52.97
$ 33 1,2-Dichloroethane-d4	65	6.701	6.703	(0.923)	845128	55.2183	55.22
34 1,2-Dichloroethane-d4 2nd	102	6.710	6.713	(0.924)	152060	63.0679	63.07
35 Benzene	78	6.770	6.762	(0.932)	1707968	51.5568	51.56
* 38 Fluorobenzene	96	7.263	7.265	(1.000)	1675132	50.0000	
39 Trichloroethene	130	7.904	7.906	(1.088)	617341	49.2015	49.20
$ 47 Toluene-d8	98	10.092	10.104	(0.789)	1427947	51.2324	51.23
48 Toluene (*)	91	10.220	10.213	(0.799)	1531880	48.1812	48.18
* 56 Chlorobenzene-d5	117	12.794	12.806	(1.000)	1128951	50.0000	
57 Chlorobenzene (**)	112	12.853	12.845	(1.005)	1043725	47.8329	47.83
$ 67 4-Bromofluorobenzene	95	15.130	15.123	(0.867)	1100178	52.1365	52.14
66 4-Bromofluorobenzene-2nd	174	15.130	15.132	(0.867)	608379	50.7015	50.70
* 79 1,4-Dichlorobenzene-d4	152	17.447	17.439	(1.000)	644105	50.0000	

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09187.D
Date : 22-OCT-2000 12:34
Client ID: G09187
Sample Info: LCS-1022AG,LCS,2,,0,1,0,8260BGS.M,G09187

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



000640

BOE-C6-0165255

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D
Lab Smp Id: MB-1022AG Client Smp ID: G09188
Inj Date : 22-OCT-2000 13:09
Operator : RRT Inst ID: mg.i
Smp Info : MB-1022AG,BLANK,2,,0,1,0,8260BGS.M,G09188
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.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: SANP2008

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.020	3.035	(0.414)	14149	5.37201	5.37
$ 29 Dibromofluoromethane	111	6.185	6.180	(0.849)	824969	52.6093	52.61
$ 33 1,2-Dichloroethane-d4	65	6.717	6.703	(0.922)	664886	53.4485	53.45
34 1,2-Dichloroethane-d4 2nd	102	6.727	6.713	(0.923)	119576	61.0192	61.02
* 38 Fluorobenzene	96	7.289	7.265	(1.000)	1361512	50.0000	
$ 47 Toluene-d8	98	10.119	10.104	(0.790)	1304699	48.3448	48.34
* 56 Chlorobenzene-d5	117	12.810	12.806	(1.000)	1093121	50.0000	
$ 67 4-Bromofluorobenzene	95	15.137	15.123	(0.867)	1044868	51.7342	51.73
66 4-Bromofluorobenzene-2nd	174	15.147	15.132	(0.867)	566008	49.2842	49.28
* 79 1,4-Dichlorobenzene-d4	152	17.464	17.439	(1.000)	616480	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D
Lab Smp Id: MB-1022AG Client Smp ID: G09188
Inj Date : 22-OCT-2000 13:09
Operator : RRT Inst ID: mg.i
Smp Info : MB-1022AG,BLANK,2,,0,1,0,8260BGS.M,G09188
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.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: SANP2008

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	7.289	3454694	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.423	891816	12.9073025	12.91	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1022AG
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09188
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

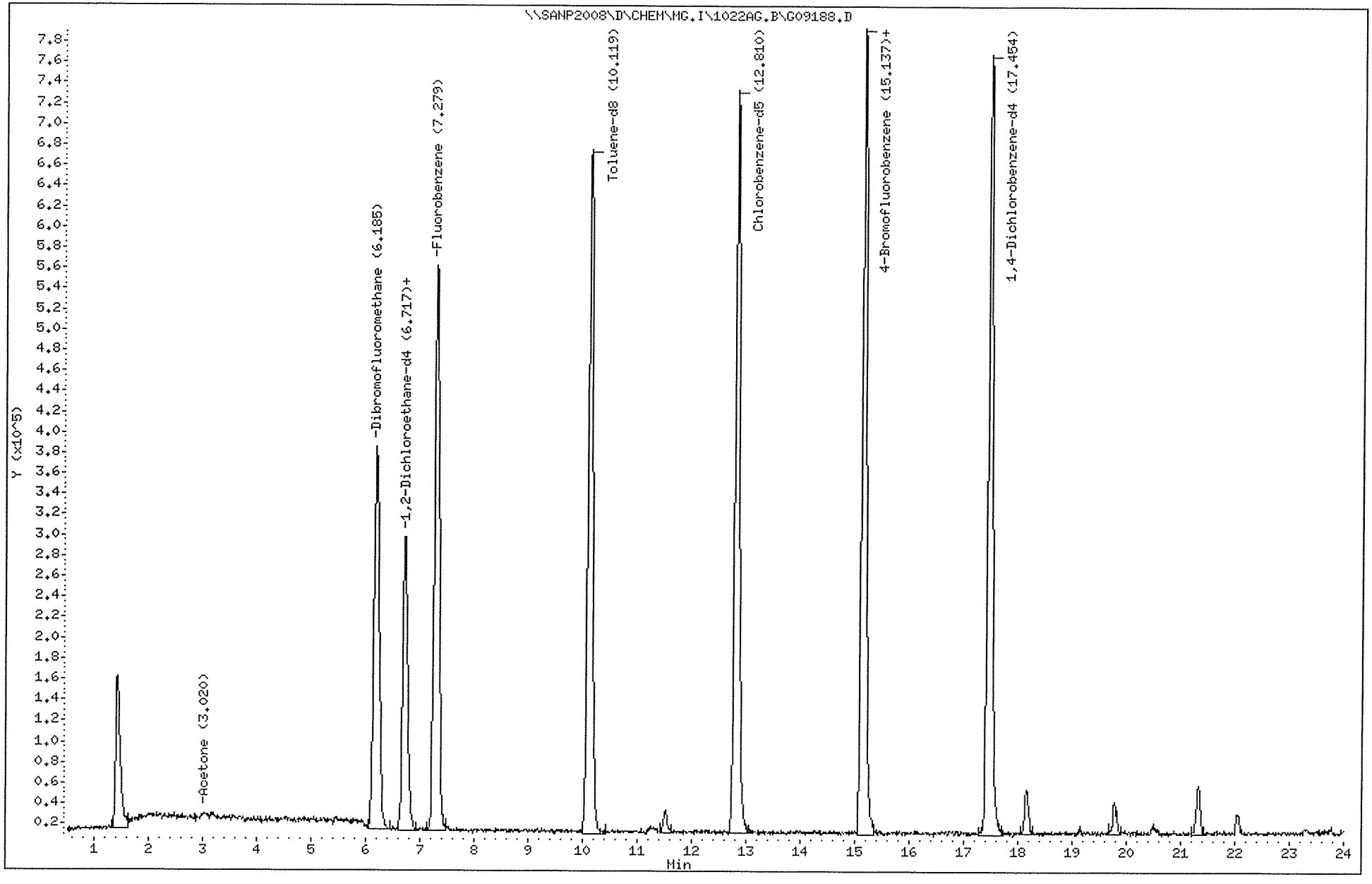
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ CO2	1.423	12.91	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D
Date : 22-OCT-2000 13:09
Client ID: G09188
Sample Info: MB-1022AG,BLANK,2,,0,1,0,8260BGS,M,G09188

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



000645

BOE-C6-0165260

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D

Date : 22-OCT-2000 13:09

Client ID: G09188

Instrument: mg.i

Sample Info: MB-1022AG,BLANK,2,,0,1,0,8260BGS,M,G09188

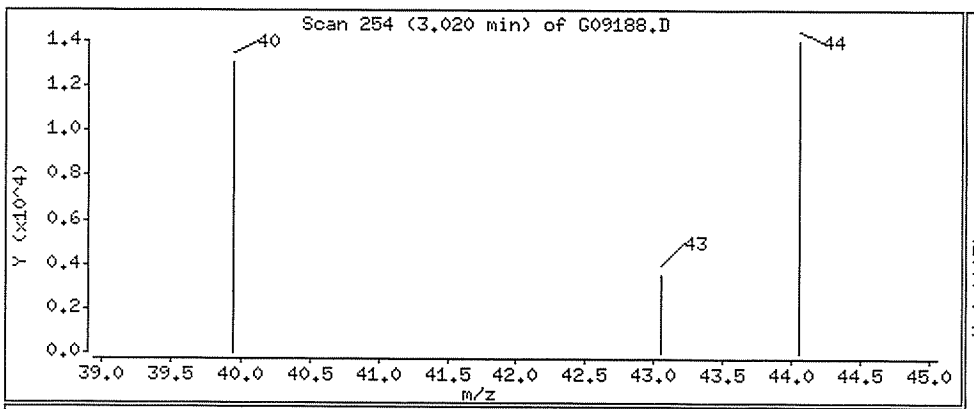
Operator: RRT

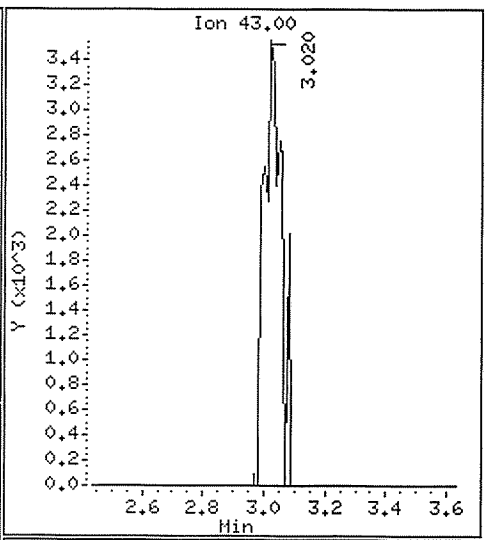
Column phase: J&W DB-624

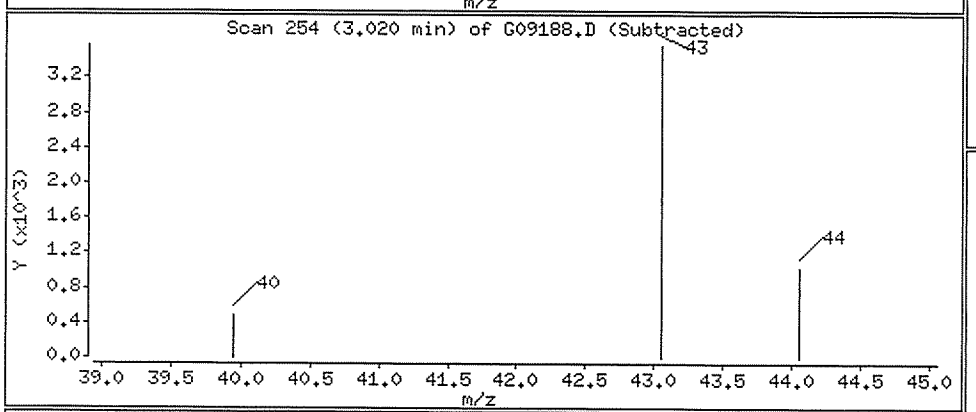
Column diameter: 0.53

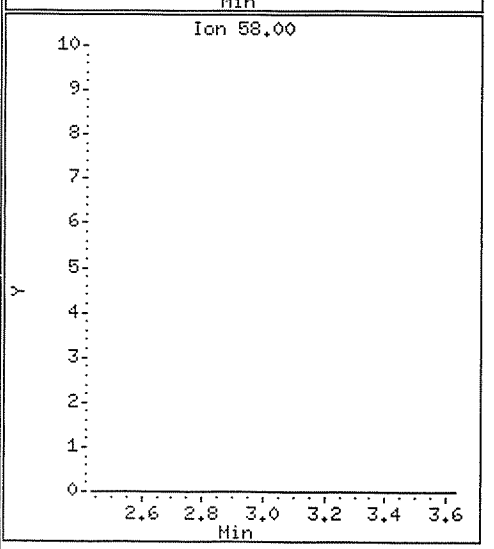
10 Acetone

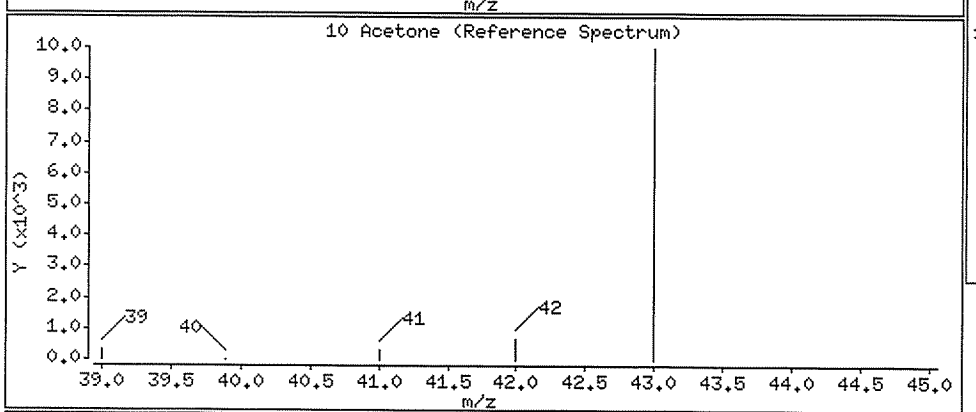
Concentration: 5.37 ug/Kg

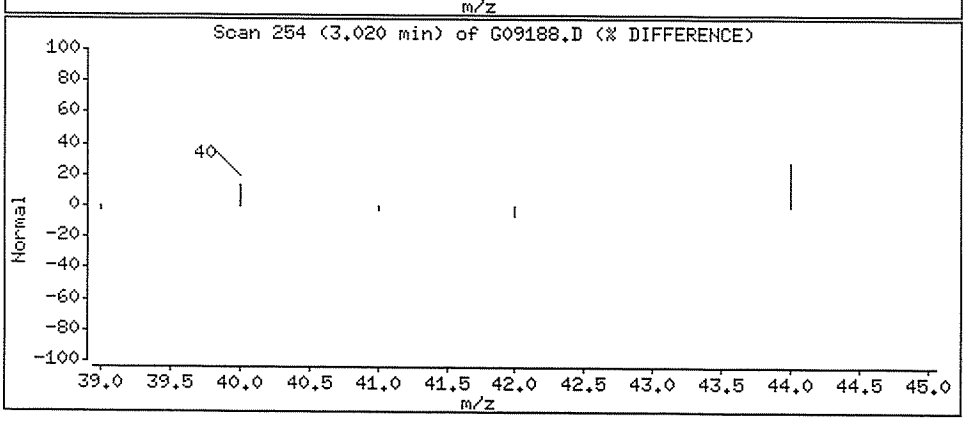












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D

Date : 22-OCT-2000 13:09

Client ID: G09188

Instrument: mg.i

Sample Info: MB-1022AG,BLANK,2,,0,1,0,8260BGS.M,G09188

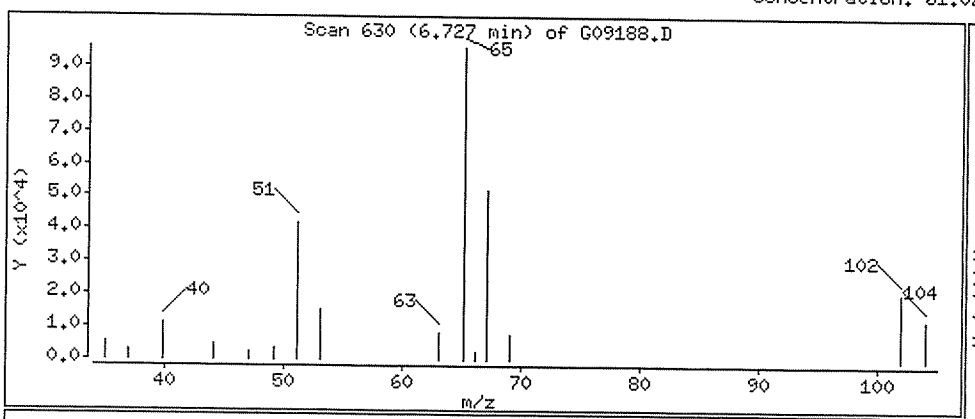
Operator: RRT

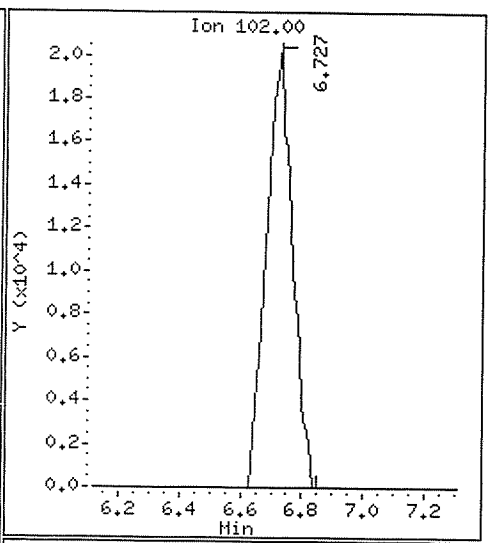
Column phase: J&W DB-624

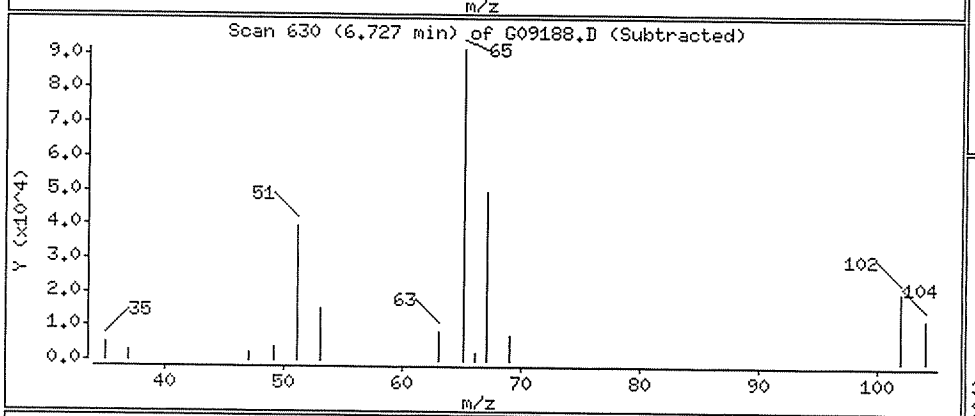
Column diameter: 0.53

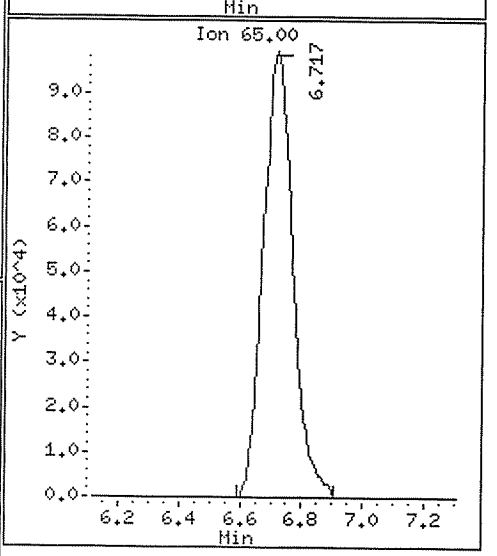
34 1,2-Dichloroethane-d4 2nd

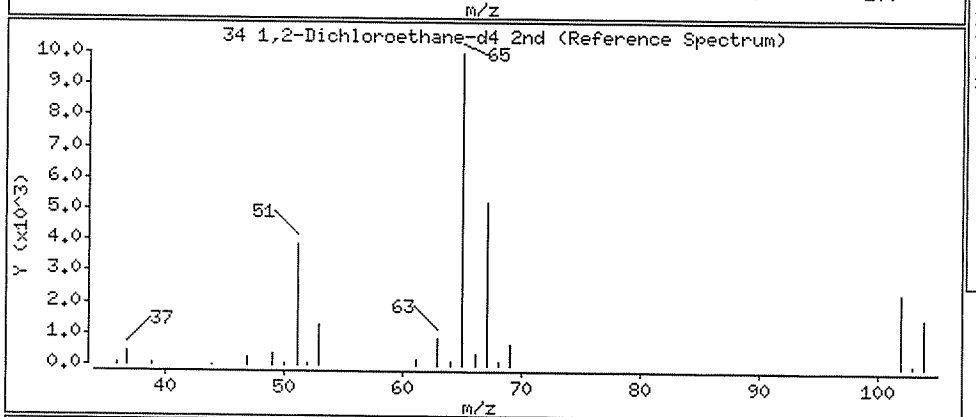
Concentration: 61.02 ug/Kg

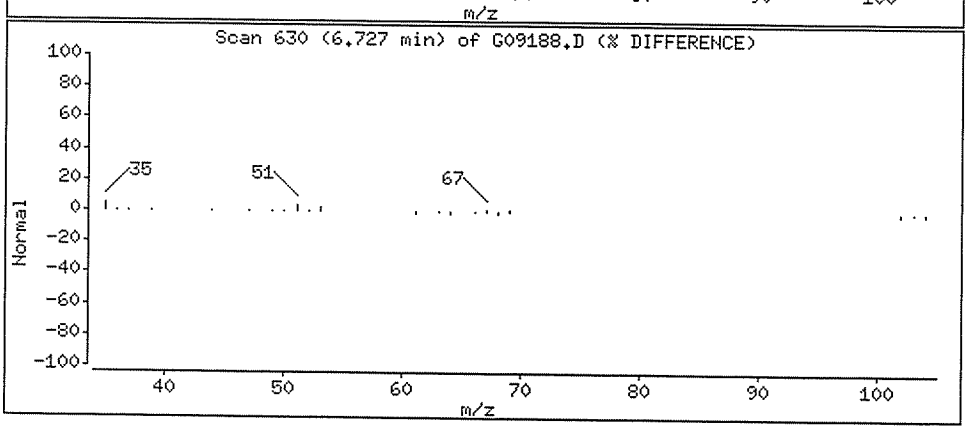












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D

Date : 22-OCT-2000 13:09

Client ID: G09188

Instrument: mg.i

Sample Info: MB-1022AG,BLANK,2,,0,1,0,8260BGS.M,G09188

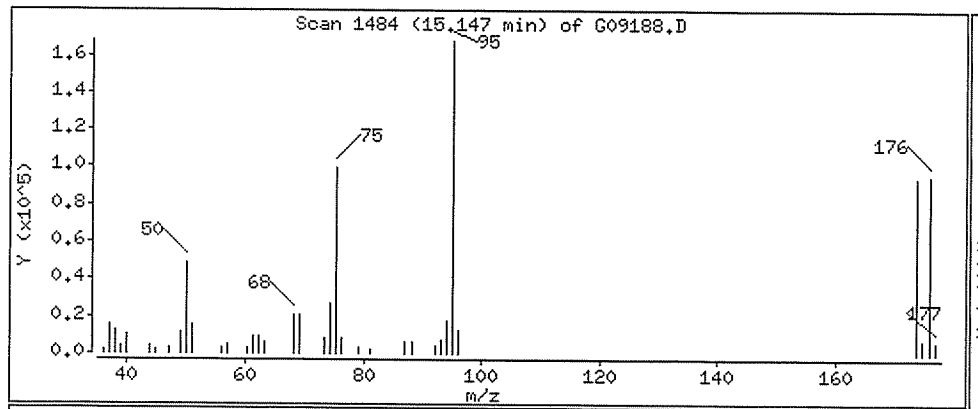
Operator: RRT

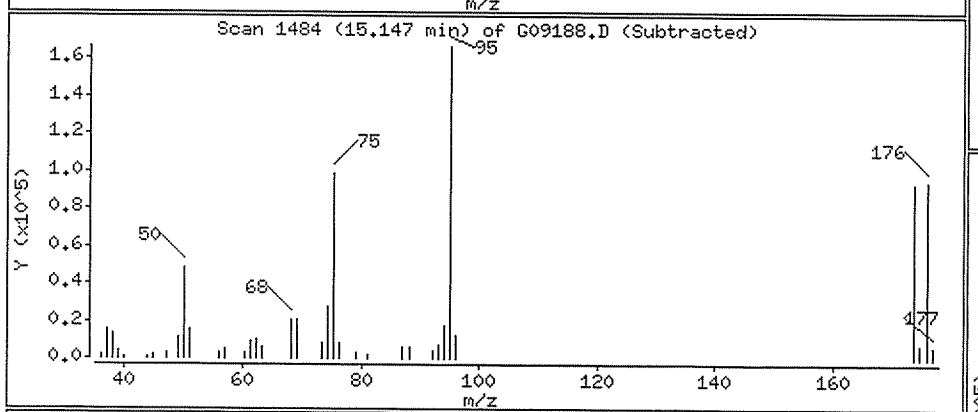
Column phase: J&W DB-624

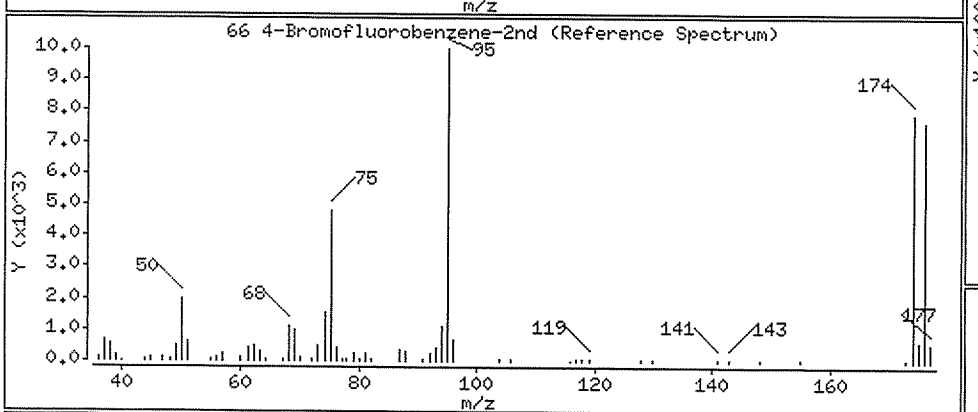
Column diameter: 0.53

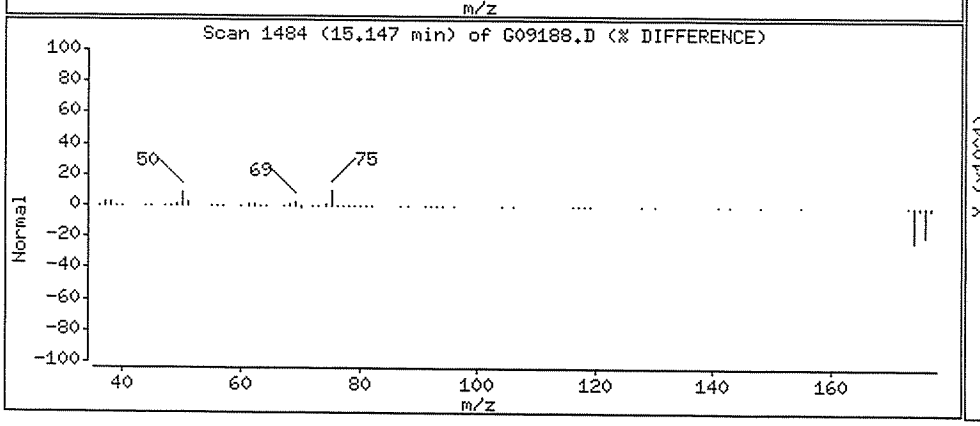
66 4-Bromofluorobenzene-2nd

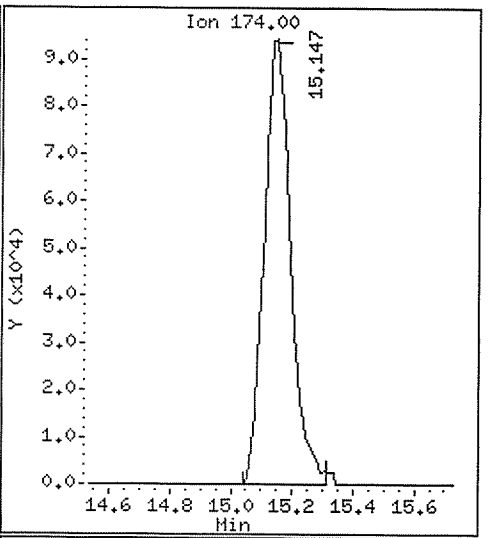
Concentration: 49.28 ug/Kg

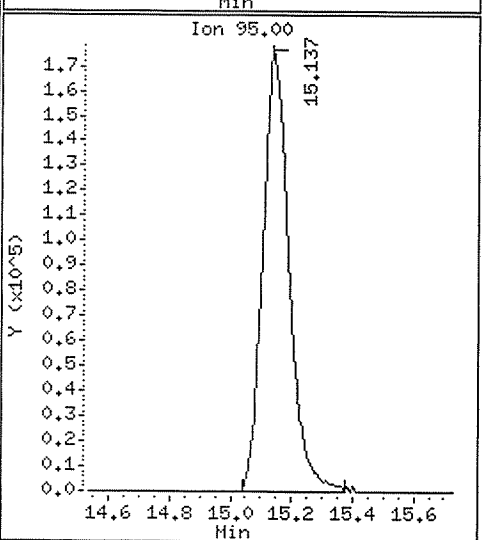


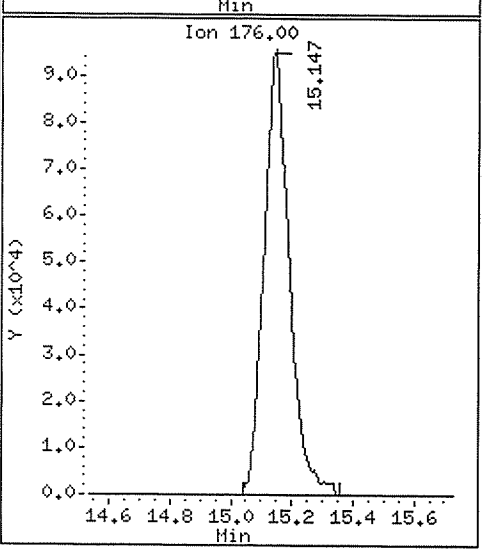












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09188.D

Date : 22-OCT-2000 13:09

Client ID: G09188

Instrument: mg.i

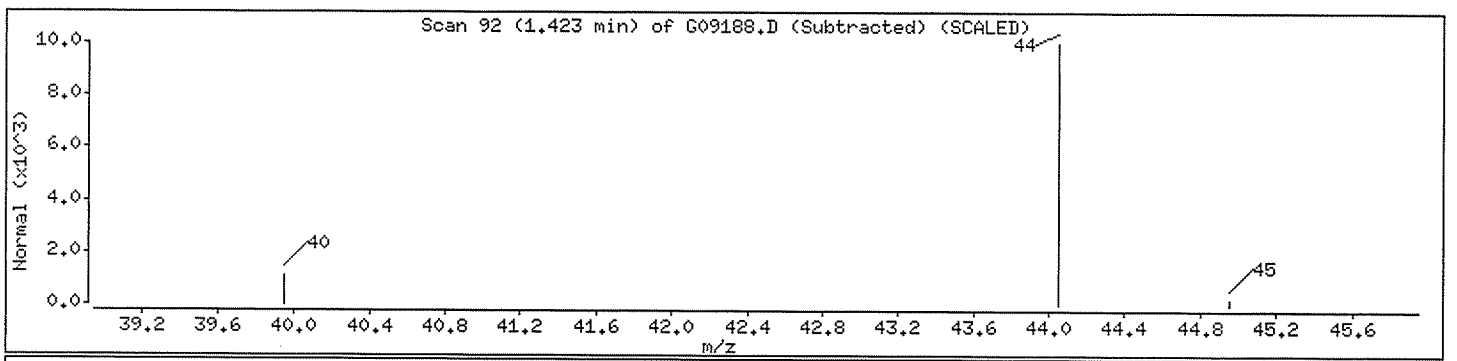
Sample Info: MB-1022AG,BLANK,2,,0,1,0,8260BGS.M,G09188

Operator: RRT

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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09197.D
Lab Smp Id: DM1AP1AC Client Smp ID: G09197
Inj Date : 22-OCT-2000 18:28
Operator : RRT Inst ID: mg.i
Smp Info : DM1AP1AC,MS,2,,0,1,0,8260BGS.M,G09197
Misc Info : ,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 12 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

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

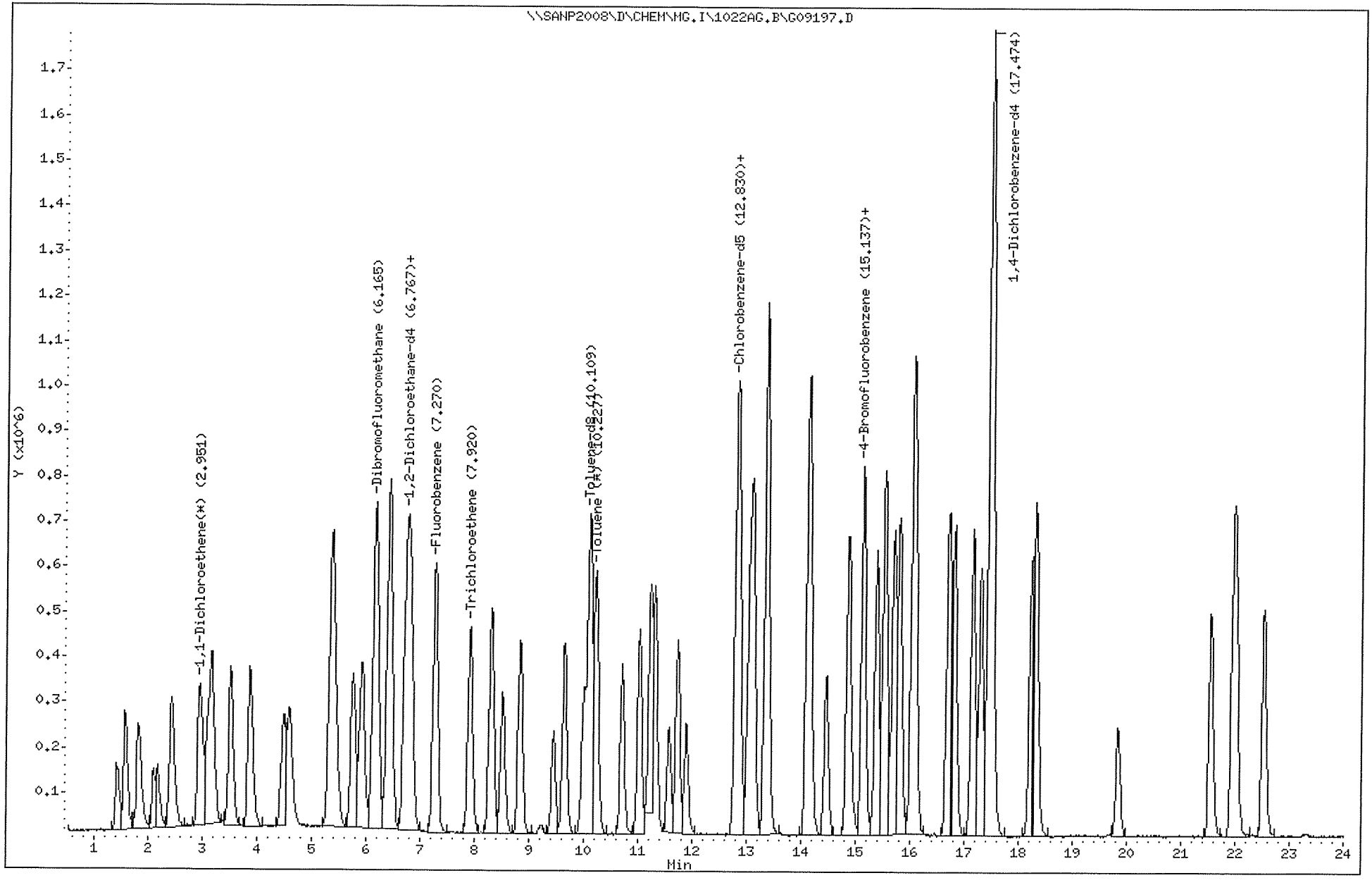
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.932	2.937	(0.403)	354213	48.2150	48.22
$ 29 Dibromofluoromethane	111	6.175	6.180	(0.849)	918516	54.8040	54.80
$ 33 1,2-Dichloroethane-d4	65	6.708	6.703	(0.923)	772590	58.1083	58.11
34 1,2-Dichloroethane-d4 2nd	102	6.718	6.713	(0.924)	137055	65.4360	65.44
35 Benzene	78	6.777	6.762	(0.932)	1306574	45.4013	45.40
* 38 Fluorobenzene	96	7.270	7.265	(1.000)	1455193	50.0000	
39 Trichloroethene	130	7.920	7.906	(1.090)	443261	40.6670	40.67
$ 47 Toluene-d8	98	10.099	10.104	(0.788)	1348242	51.3175	51.32
48 Toluene (*)	91	10.227	10.213	(0.798)	1190407	39.7204	39.72
* 56 Chlorobenzene-d5	117	12.811	12.806	(1.000)	1064167	50.0000	
57 Chlorobenzene (**)	112	12.860	12.845	(1.004)	821466	39.9388	39.94
$ 67 4-Bromofluorobenzene	95	15.137	15.123	(0.868)	1086663	53.2264	53.23
66 4-Bromofluorobenzene-2nd	174	15.137	15.132	(0.868)	594149	51.1795	51.18
* 79 1,4-Dichlorobenzene-d4	152	17.444	17.439	(1.000)	623165	50.0000	

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09197.D
Date : 22-OCT-2000 18:28
Client ID: G09197
Sample Info: DM1AP1AC,MS,2,,0,1,0,8260BGS.M,G09197

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



000651

BOE-C6-0165266

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09198.D
Lab Smp Id: DM1AP1AD Client Smp ID: G09198
Inj Date : 22-OCT-2000 19:02
Operator : RRT Inst ID: mg.i
Smp Info : DM1AP1AD,MSD,2,,0,1,0,8260BGS.M,G09198
Misc Info : ,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 13 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

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

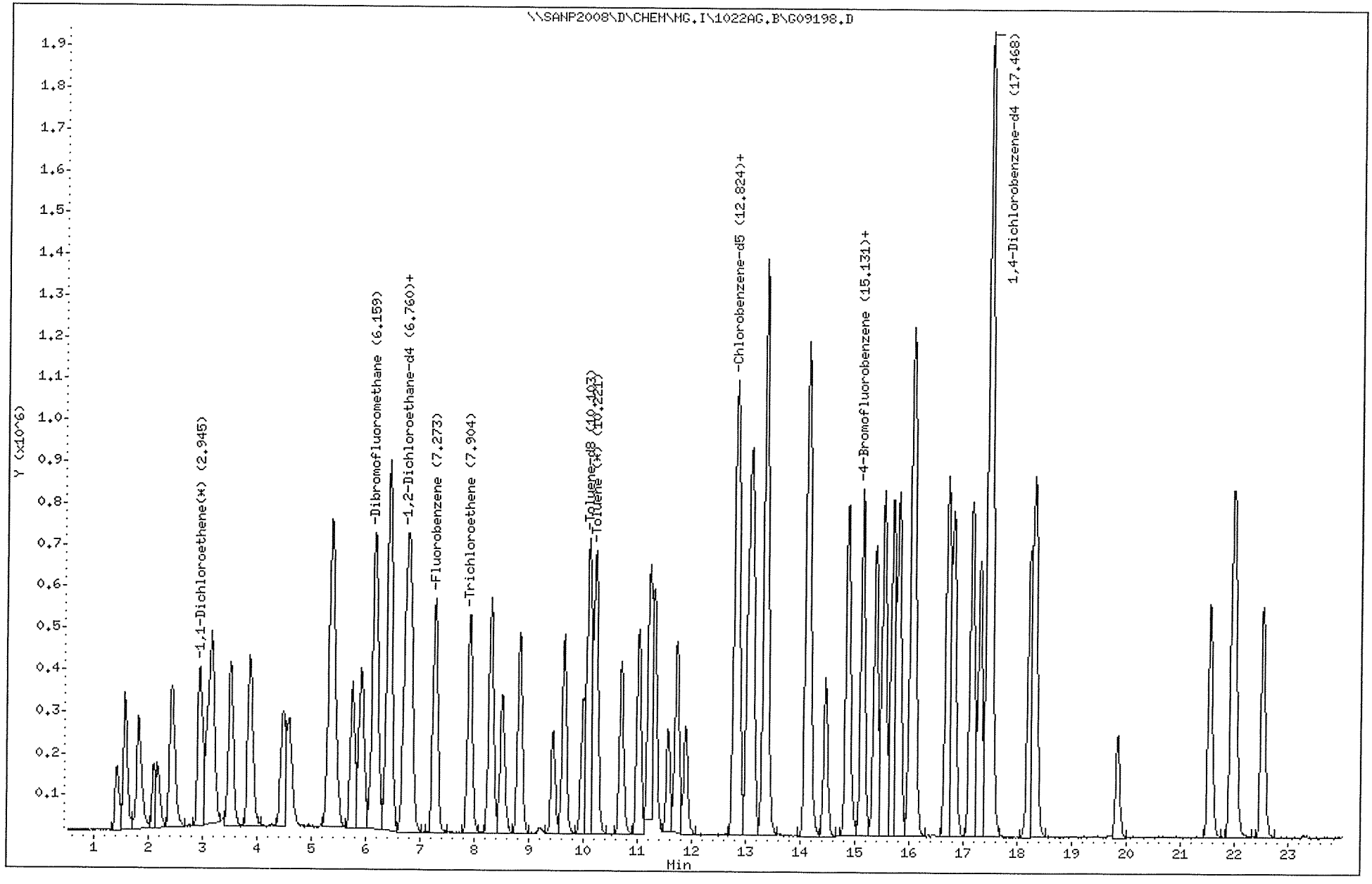
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.955	2.937	(0.406)	414276	59.5554	59.56
$ 29 Dibromofluoromethane	111	6.179	6.180	(0.850)	827132	52.1211	52.12
$ 33 1,2-Dichloroethane-d4	65	6.701	6.703	(0.921)	709896	56.3894	56.39
34 1,2-Dichloroethane-d4 2nd	102	6.721	6.713	(0.924)	123485	62.2657	62.26
35 Benzene	78	6.770	6.762	(0.931)	1389928	51.0082	51.01
* 38 Fluorobenzene	96	7.273	7.265	(1.000)	1377866	50.0000	
39 Trichloroethene	130	7.904	7.906	(1.087)	516507	50.0463	50.05
$ 47 Toluene-d8	98	10.103	10.104	(0.789)	1348480	50.2386	50.24
48 Toluene (*)	91	10.221	10.213	(0.798)	1403543	45.8394	45.84
* 56 Chlorobenzene-d5	117	12.804	12.806	(1.000)	1087214	50.0000	
57 Chlorobenzene (**)	112	12.844	12.845	(1.003)	939249	44.6973	44.70
$ 67 4-Bromofluorobenzene	95	15.131	15.123	(0.868)	1083908	53.4268	53.43
66 4-Bromofluorobenzene-2nd	174	15.131	15.132	(0.868)	592297	51.3423	51.34
* 79 1,4-Dichlorobenzene-d4	152	17.438	17.439	(1.000)	619253	50.0000	

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09198.D
Date : 22-OCT-2000 19:02
Client ID: G09198
Sample Info: DM1AP1AD,MSD,2,,0,1,0,8260BGS,M,G09198

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



000653

BOE-C6-0165268

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09193.D
Lab Smp Id: DM1AJ1AA Client Smp ID: G09193
Inj Date : 22-OCT-2000 16:10
Operator : RRT Inst ID: mg.i
Smp Info : DM1AJ1AA,,2,,0,1,0,8260BGS.M,G09193
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.027	3.035	(0.415)	27829	10.6898	10.69
$ 29 Dibromofluoromethane	111	6.182	6.180	(0.848)	777836	50.1850	50.18
$ 33 1,2-Dichloroethane-d4	65	6.704	6.703	(0.920)	644816	52.4427	52.44
34 1,2-Dichloroethane-d4 2nd	102	6.704	6.713	(0.920)	112301	57.9782	57.98
* 38 Fluorobenzene	96	7.286	7.265	(1.000)	1345738	50.0000	
$ 47 Toluene-d8	98	10.115	10.104	(0.790)	1291721	50.1191	50.12
* 56 Chlorobenzene-d5	117	12.807	12.806	(1.000)	1043935	50.0000	
$ 67 4-Bromofluorobenzene	95	15.144	15.123	(0.867)	1021155	51.4908	51.49
66 4-Bromofluorobenzene-2nd	174	15.144	15.132	(0.867)	556372	49.3369	49.34
* 79 1,4-Dichlorobenzene-d4	152	17.461	17.439	(1.000)	605337	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09193.D
Lab Smp Id: DM1AJ1AA Client Smp ID: G09193
Inj Date : 22-OCT-2000 16:10
Operator : RRT Inst ID: mg.i
Smp Info : DM1AJ1AA,,2,,0,1,0,8260BGS.M,G09193
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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	7.286	3424741	50.000

	RT	AREA	CONCENTRATIONS ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown	1.420	1214192	17.7267690	17.73	CAS #: 0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1AJ1AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09193
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

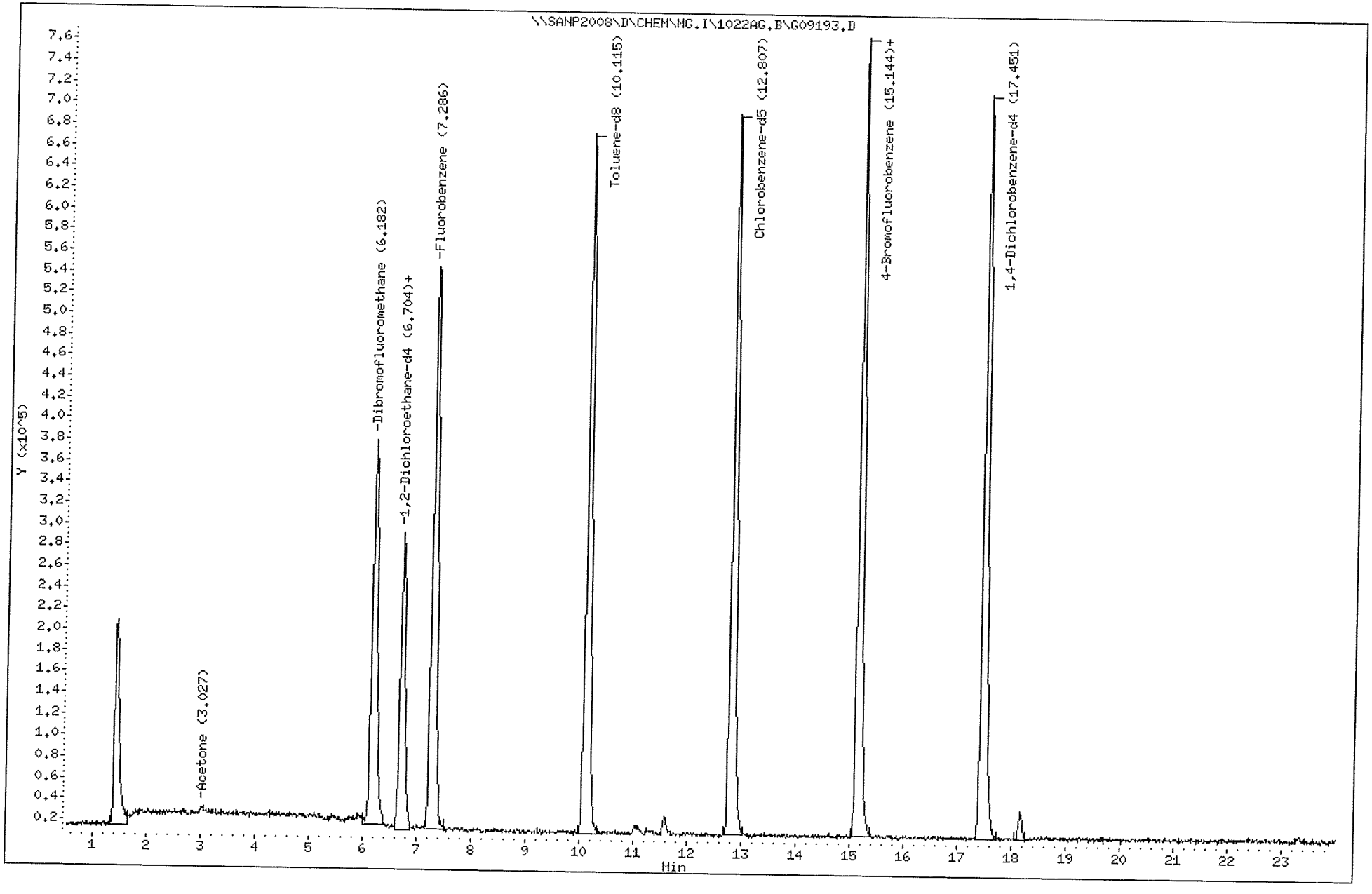
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ NP	1.420	17.73	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09193.D
Date : 22-OCT-2000 16:10
Client ID: G09193
Sample Info: DM1AJ1AA,,2,,0,1,0,8260BGS.M,G09193

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



000658

BOE-C6-0165273

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09193.D

Date : 22-OCT-2000 16:10

Client ID: G09193

Instrument: mg.i

Sample Info: DM1AJ1AA,,2,,0,1,0,8260BGS.M,G09193

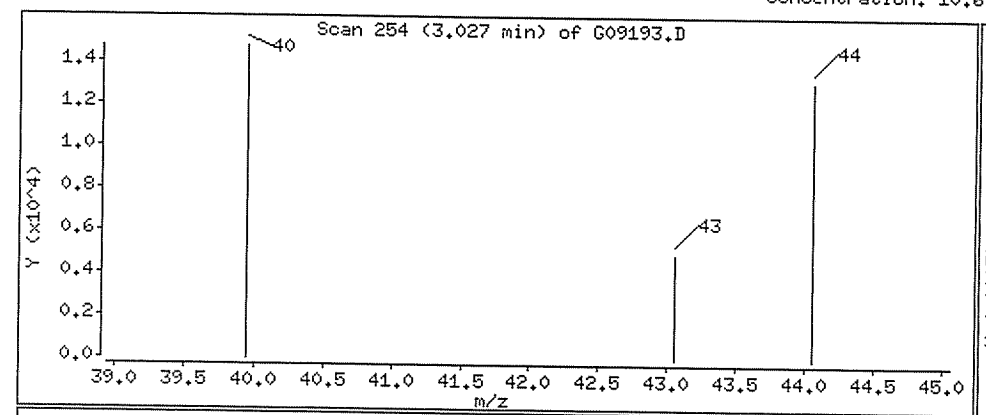
Operator: RRT

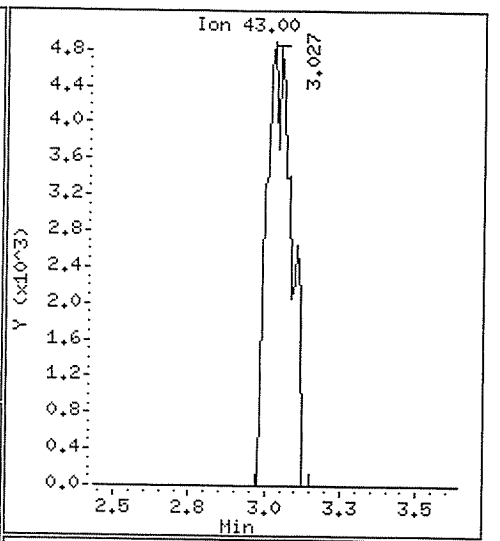
Column phase: J&W DB-624

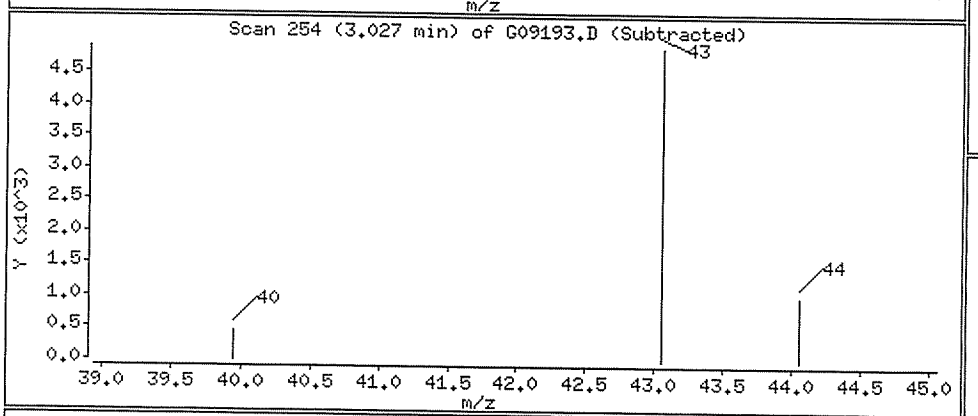
Column diameter: 0.53

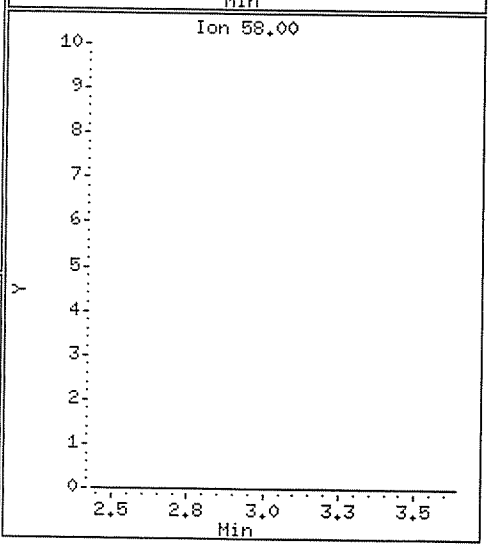
10 Acetone

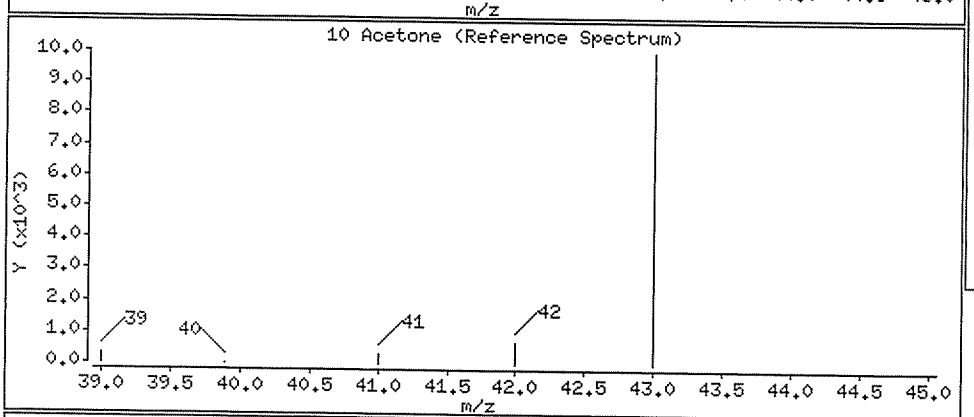
Concentration: 10.69 ug/Kg

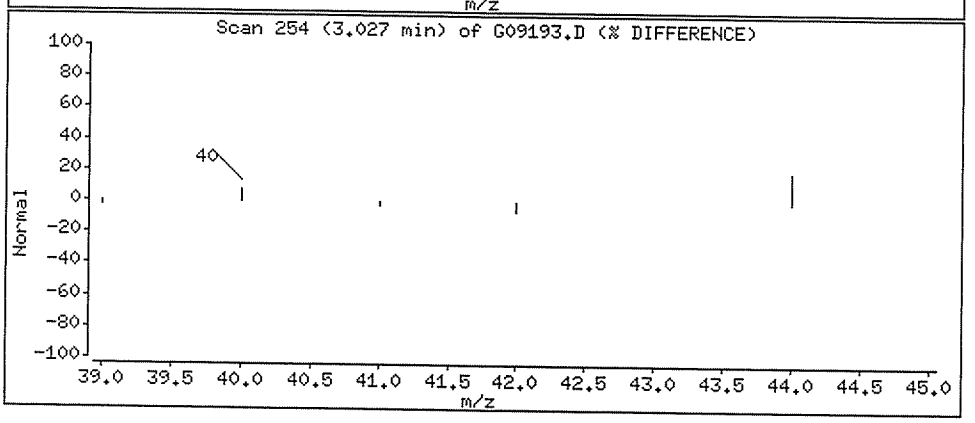












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09193.D

Date : 22-OCT-2000 16:10

Client ID: G09193

Instrument: mg.i

Sample Info: DM1AJ1AA,,2,,0,1,0,8260BGS.M,G09193

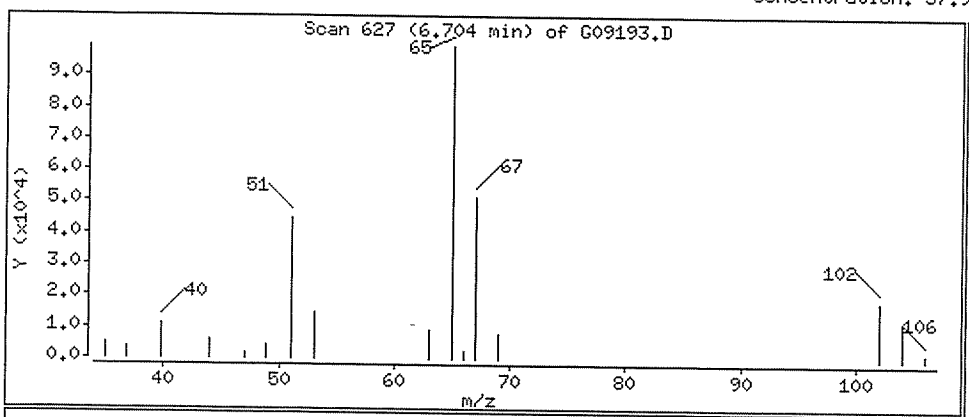
Operator: RRT

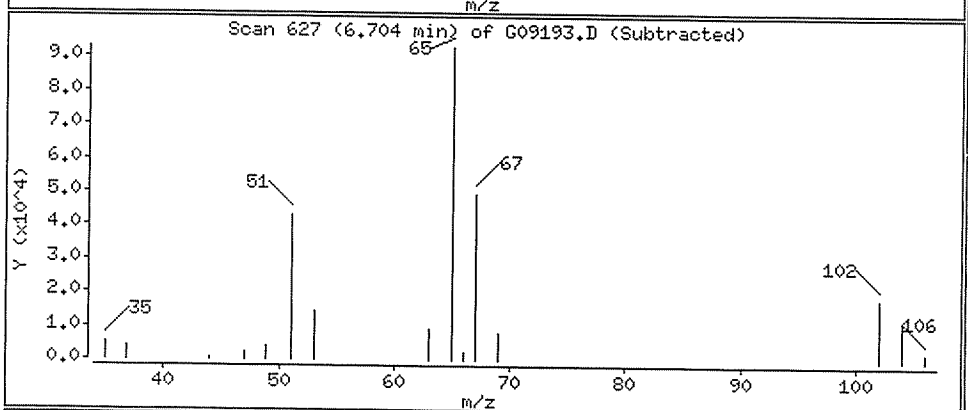
Column phase: J&W DB-624

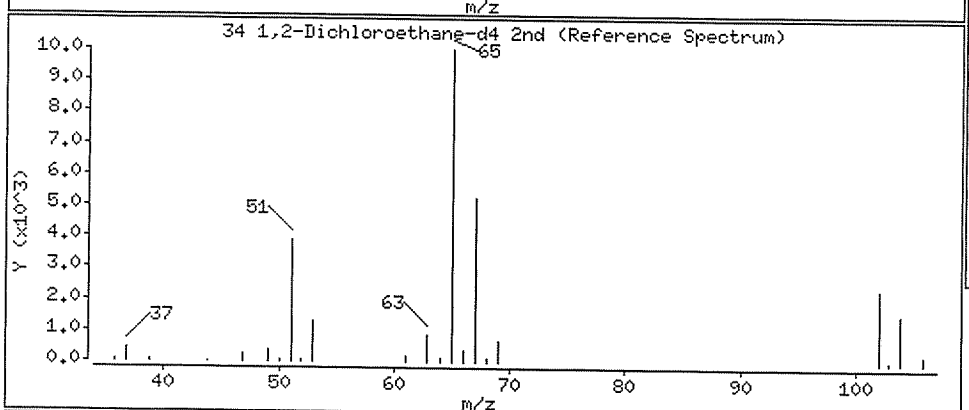
Column diameter: 0.53

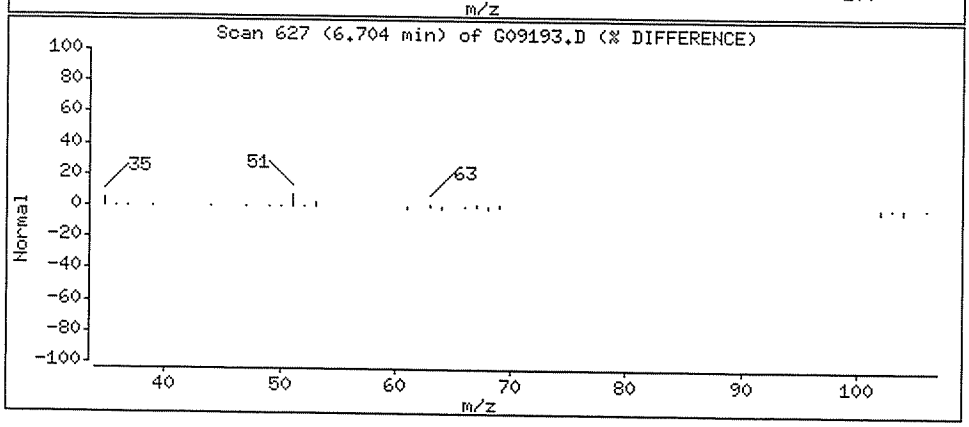
34 1,2-Dichloroethane-d4 2nd

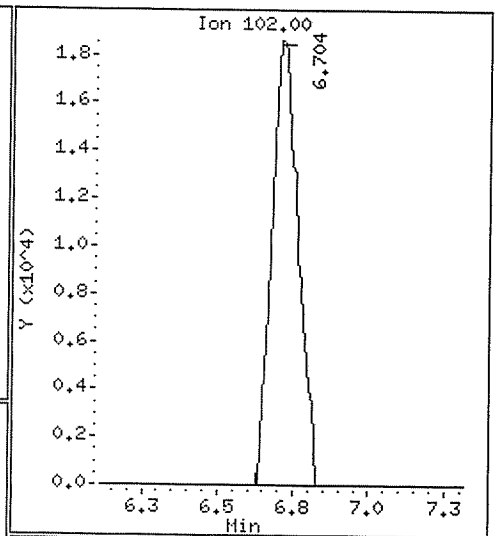
Concentration: 57.98 ug/Kg

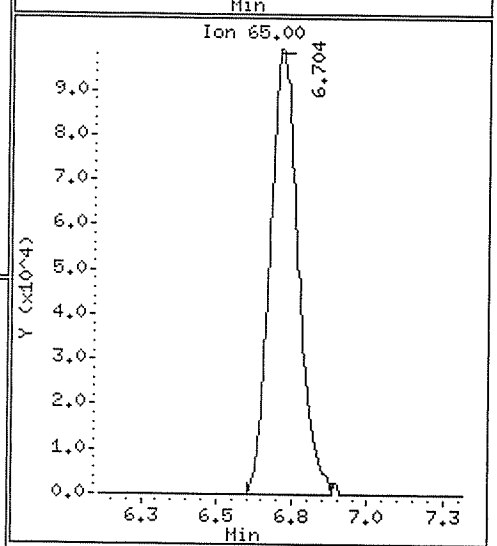












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09193.D

Date : 22-OCT-2000 16:10

Client ID: G09193

Instrument: mg.i

Sample Info: DM1AJ1AA,,2,,0,1,0,8260BGS.M,G09193

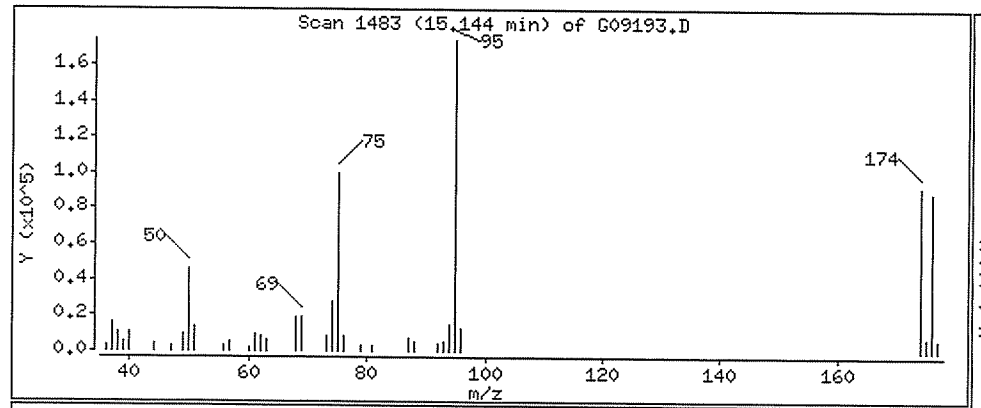
Operator: RRT

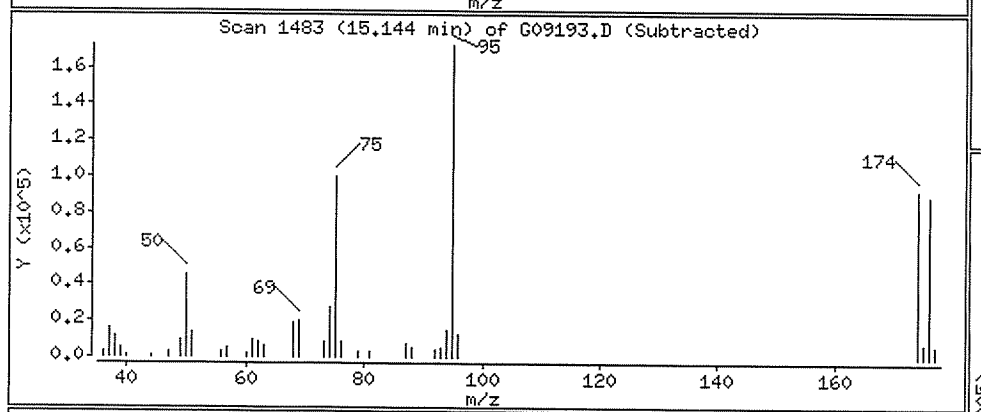
Column phase: J&W DB-624

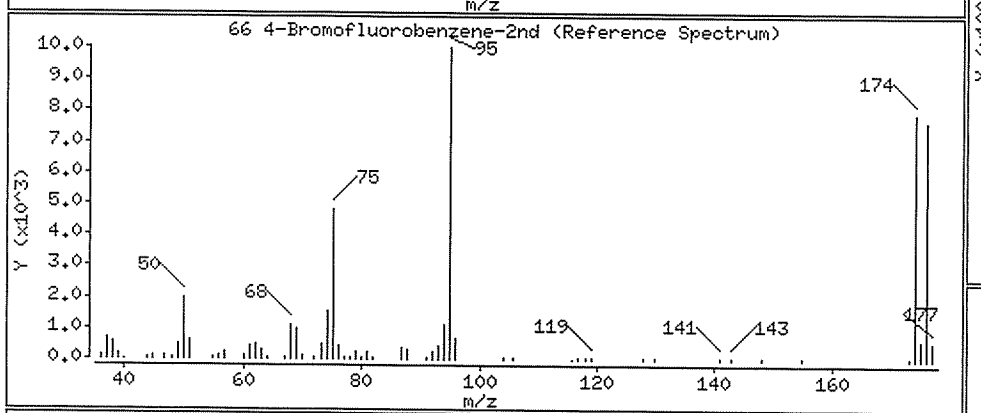
Column diameter: 0.53

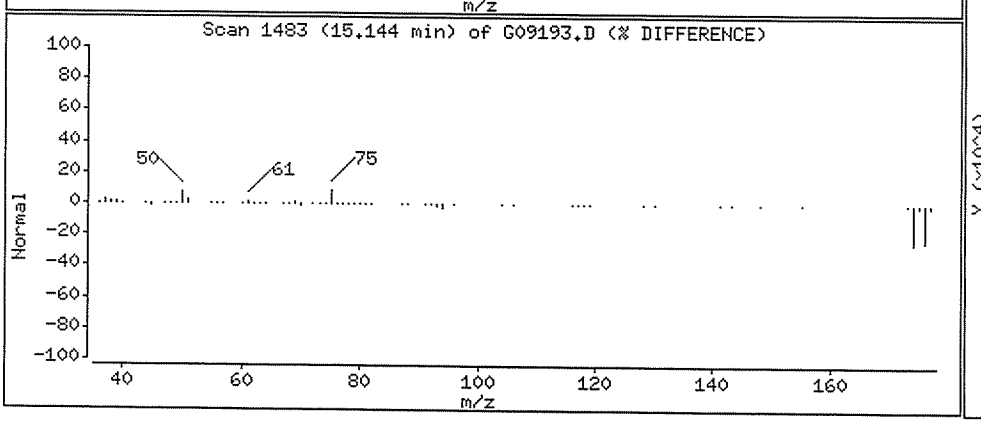
66 4-Bromofluorobenzene-2nd

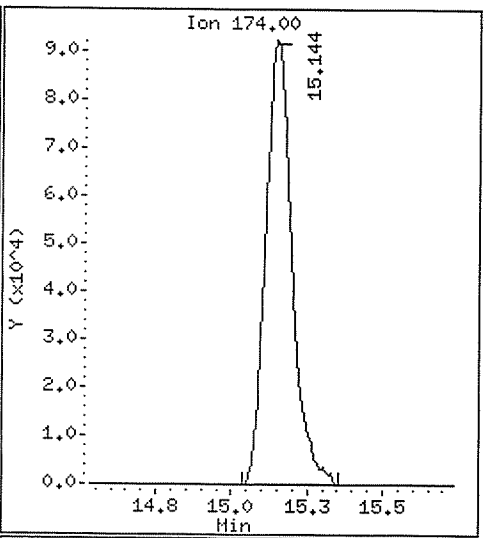
Concentration: 49.34 ug/Kg

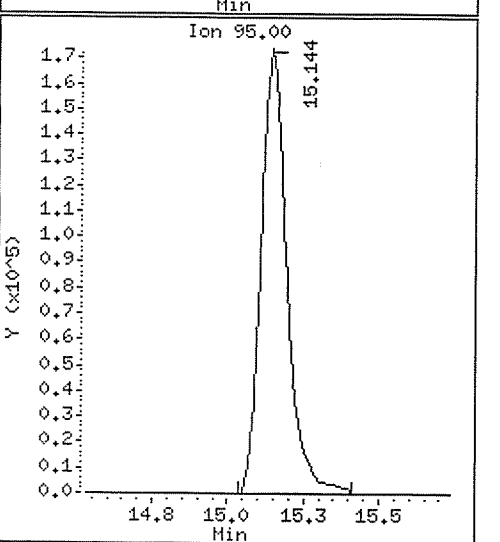


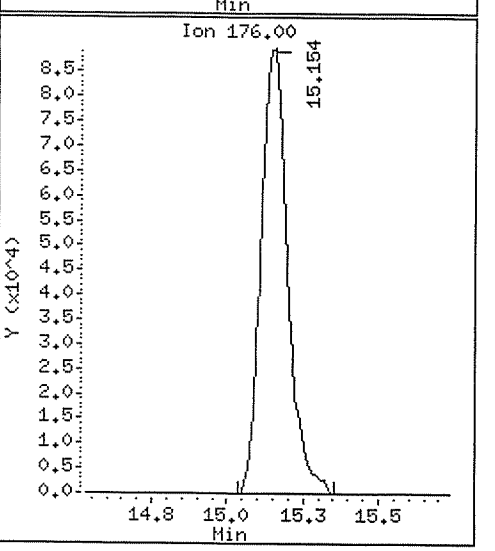












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09193.D

Date : 22-OCT-2000 16:10

Client ID: G09193

Instrument: mg.i

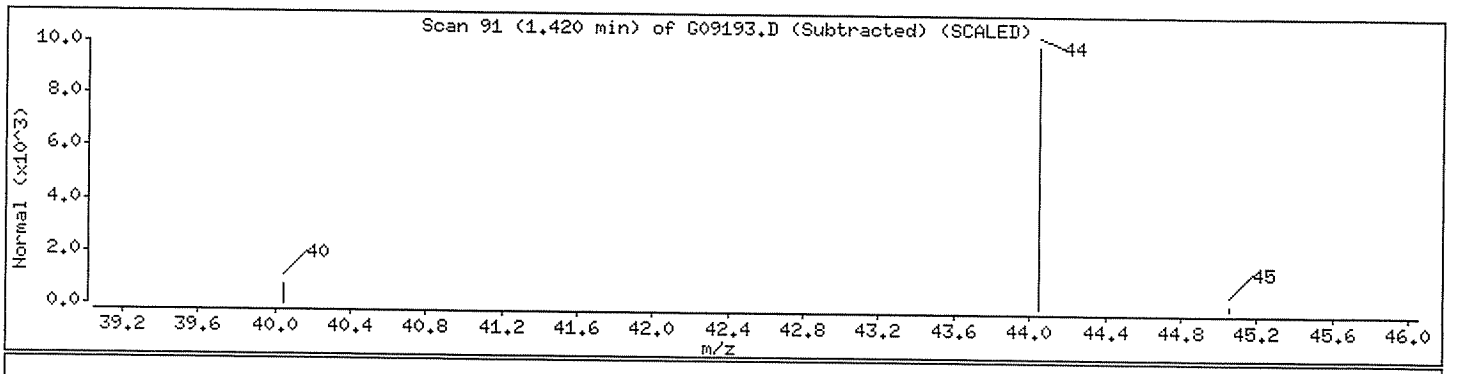
Sample Info: DM1AJ1AA,,2,,0,1,0,8260BGS,M,G09193

Operator: RRT

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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09194.D
Lab Smp Id: DM1AL1AA
Client Smp ID: G09194
Inj Date : 22-OCT-2000 16:44
Operator : RRT
Inst ID: mg.i
Smp Info : DM1AL1AA,,2,,0,1,0,8260BGS.M,G09194
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang
Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29
Cal File: GS2297.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.037	3.035	(0.417)	15180	5.99014	5.99
26 Chloroform (*)	83	5.915	5.914	(0.812)	30278	1.64584	1.64(aQ)
$ 29 Dibromofluoromethane	111	6.182	6.180	(0.848)	797461	52.8553	52.86
$ 33 1,2-Dichloroethane-d4	65	6.714	6.703	(0.922)	644715	53.8654	53.86
34 1,2-Dichloroethane-d4 2nd	102	6.734	6.713	(0.924)	114610	60.7853	60.78
* 38 Fluorobenzene	96	7.286	7.265	(1.000)	1309988	50.0000	
$ 47 Toluene-d8	98	10.106	10.104	(0.789)	1294212	51.5606	51.56
* 56 Chlorobenzene-d5	117	12.807	12.806	(1.000)	1016706	50.0000	
$ 67 4-Bromofluorobenzene	95	15.144	15.123	(0.868)	992368	52.2298	52.23
66 4-Bromofluorobenzene-2nd	174	15.144	15.132	(0.868)	548383	50.7572	50.76
* 79 1,4-Dichlorobenzene-d4	152	17.451	17.439	(1.000)	579949	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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09194.D
Lab Smp Id: DM1AL1AA Client Smp ID: G09194
Inj Date : 22-OCT-2000 16:44
Operator : RRT Inst ID: mg.i
Smp Info : DM1AL1AA,,2,,0,1,0,8260BGS.M,G09194
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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	7.286	3322280	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.420	1142800	17.1990290	17.20	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1AL1AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09194
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

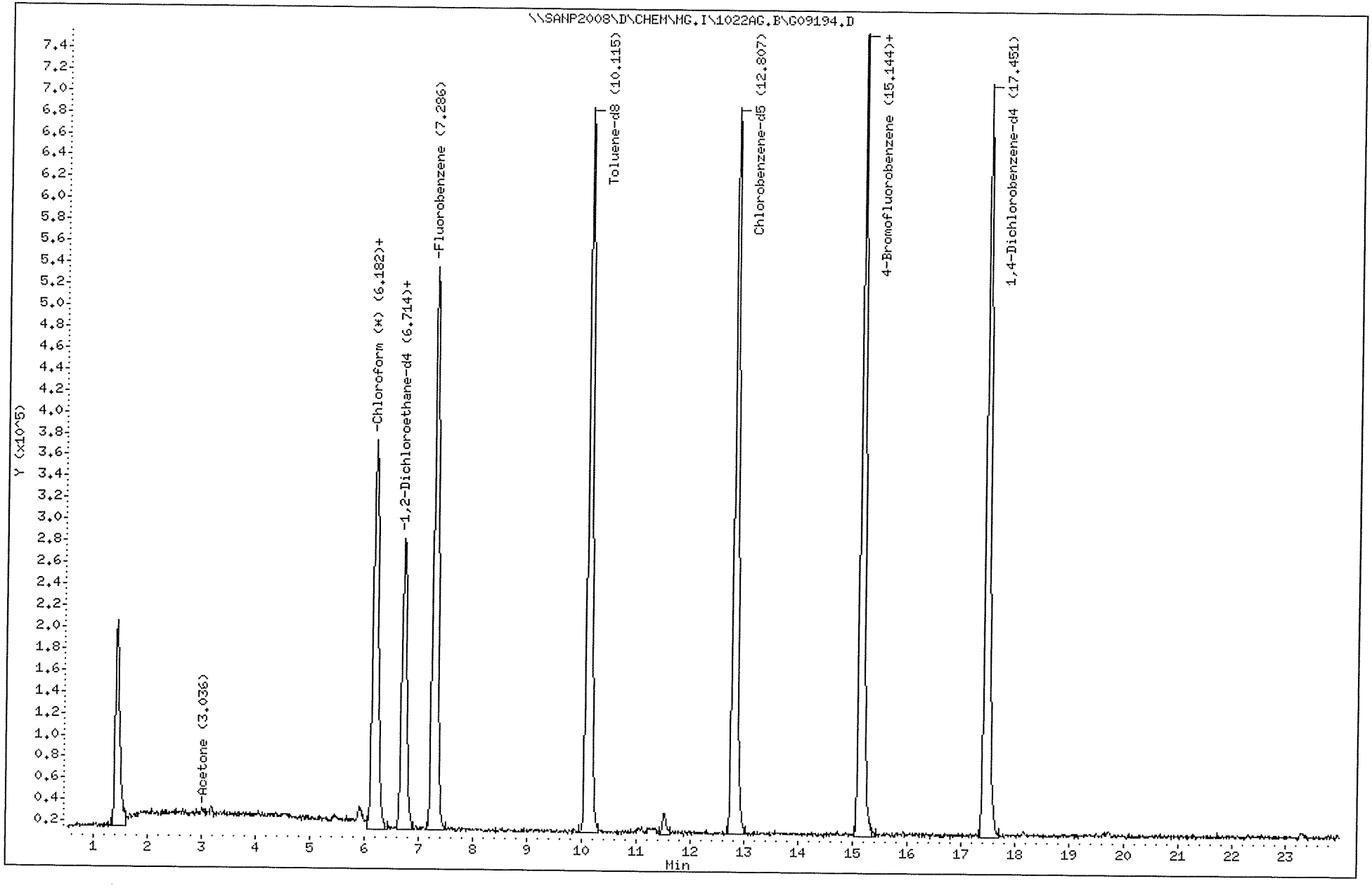
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.420	17.20	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09194.D
Date : 22-OCT-2000 16:44
Client ID: G09194
Sample Info: DM1AL1AA,,2,,0,1,0,8260BGS.M,G09194

Instrument: mg.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



BOE-C6-0165282

0009067

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09194.D

Date : 22-OCT-2000 16:44

Client ID: G09194

Instrument: mg.i

Sample Info: DM1AL1AA,,2,,0,1,0,8260BGS.M,G09194

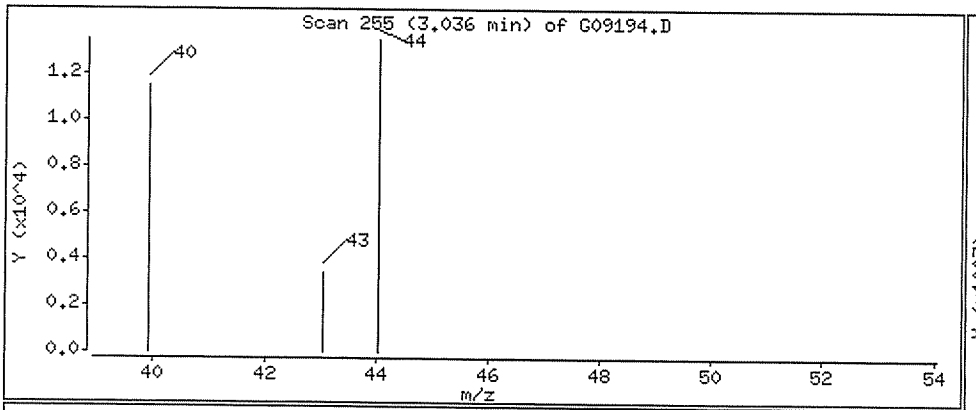
Operator: RRT

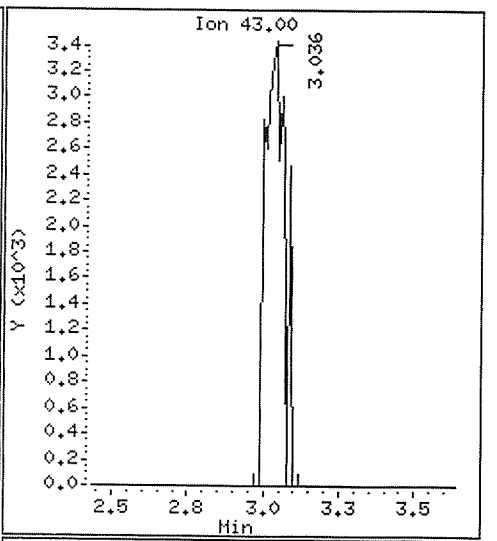
Column phase: J&W DB-624

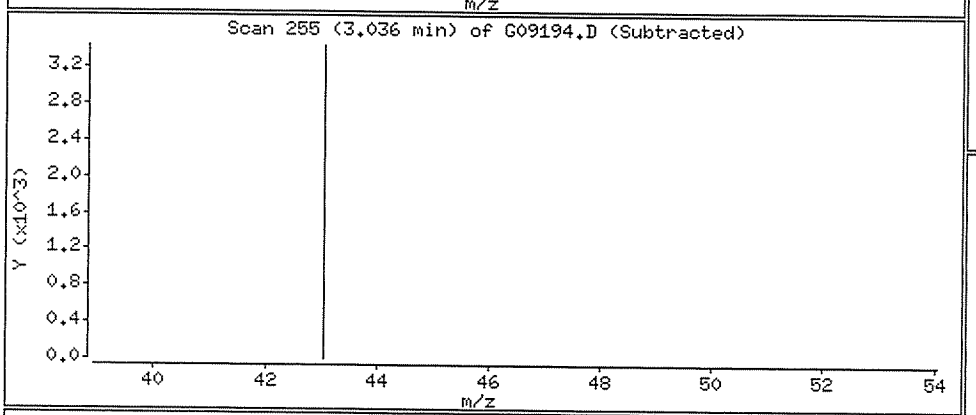
Column diameter: 0.53

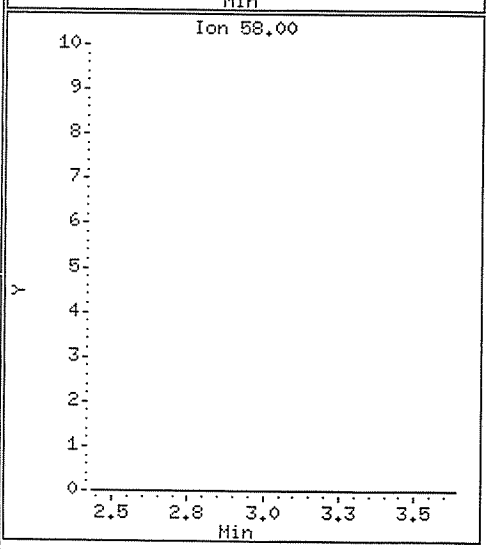
10 Acetone

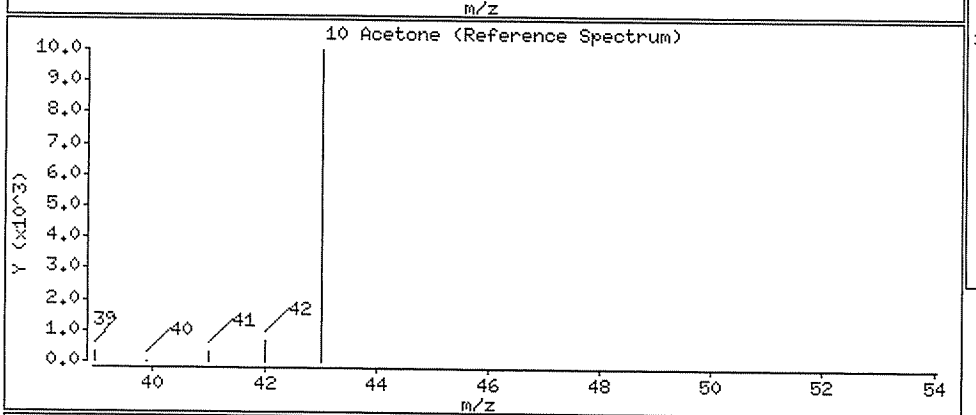
Concentration: 5.99 ug/Kg

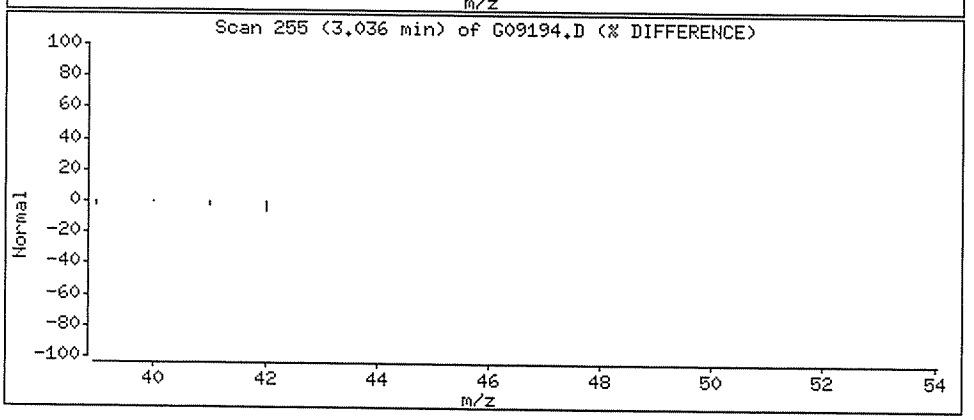












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09194.D

Date : 22-OCT-2000 16:44

Client ID: G09194

Instrument: mg.i

Sample Info: DM1AL1AA,,2,,0,1,0,8260BGS.M,G09194

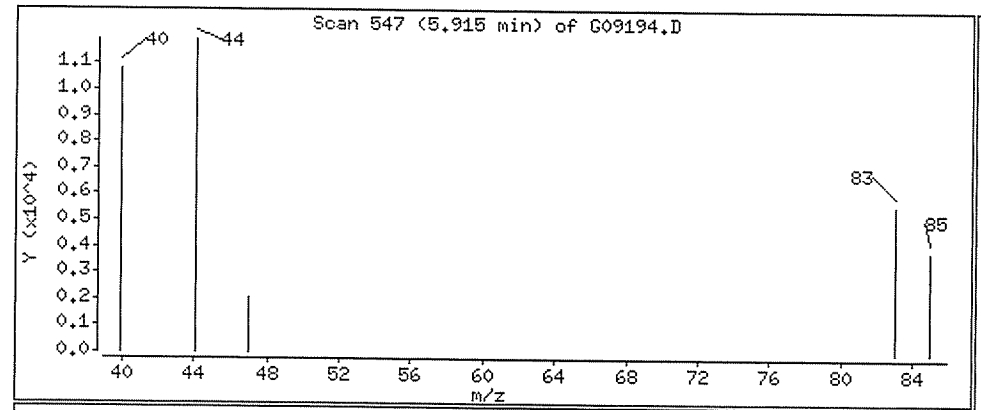
Operator: RRT

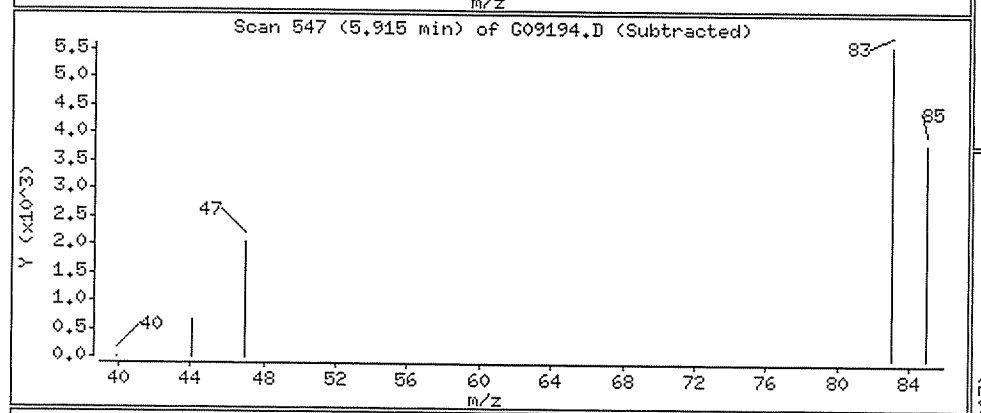
Column phase: J&W DB-624

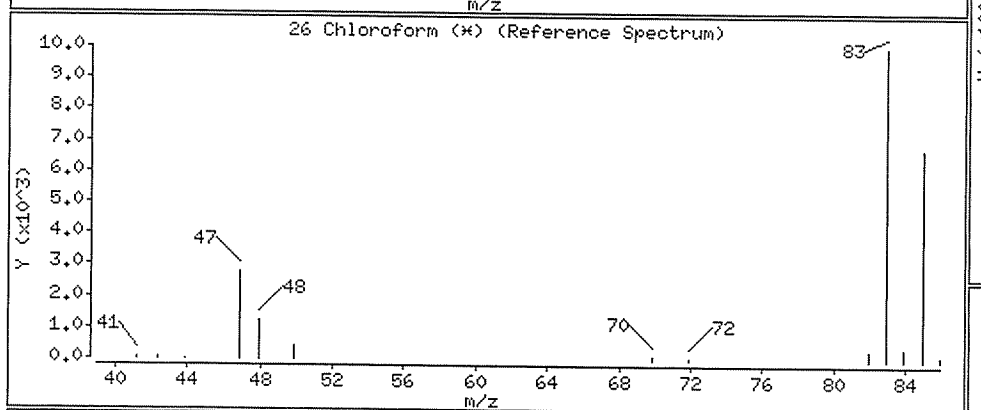
Column diameter: 0.53

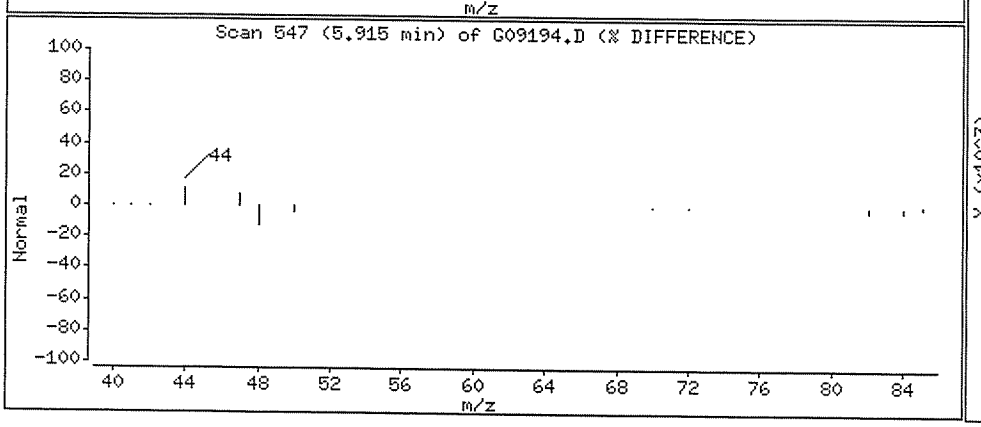
26 Chloroform (*)

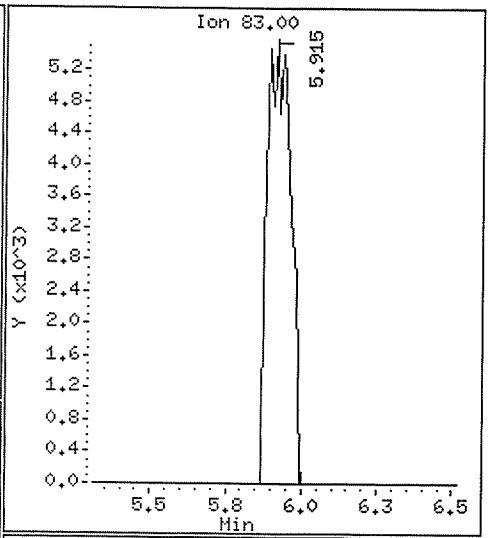
Concentration: 1.64 ug/Kg

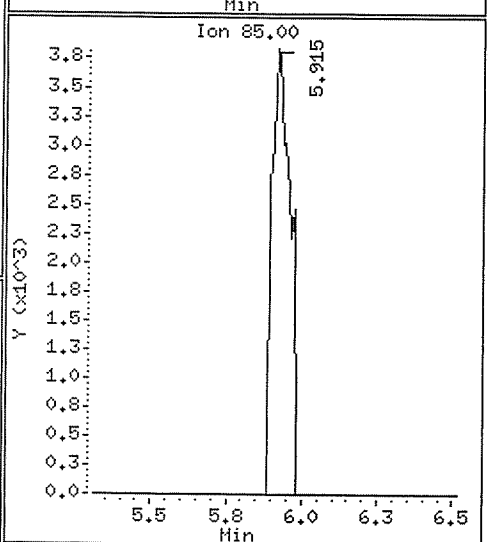


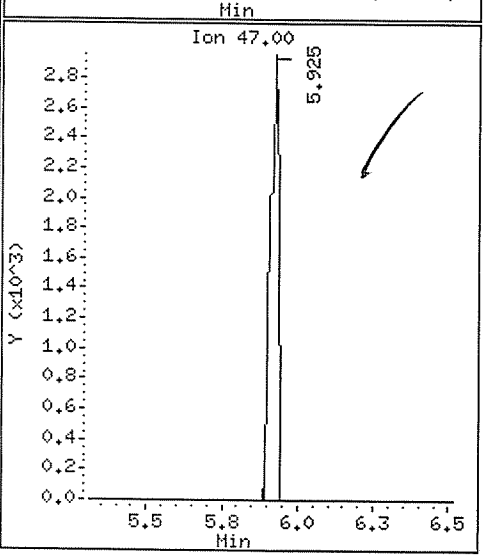












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09194.D

Date : 22-OCT-2000 16:44

Client ID: G09194

Instrument: mg.i

Sample Info: DM1AL1AA,,2,,0,1,0,8260BGS.M,G09194

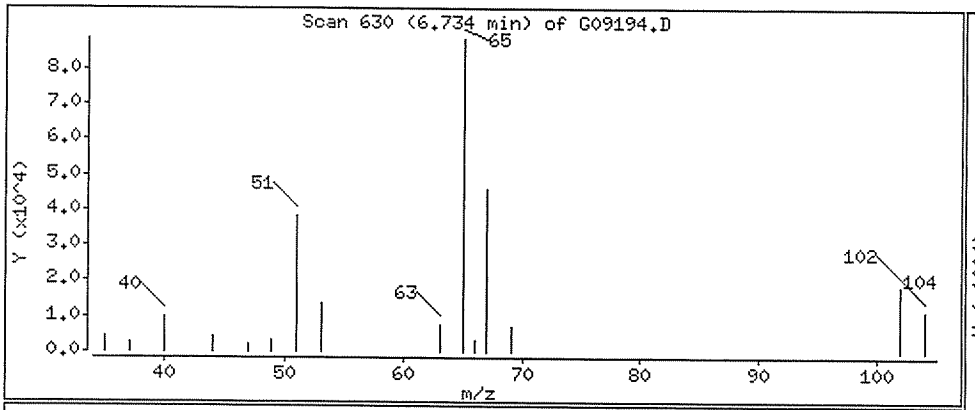
Operator: RRT

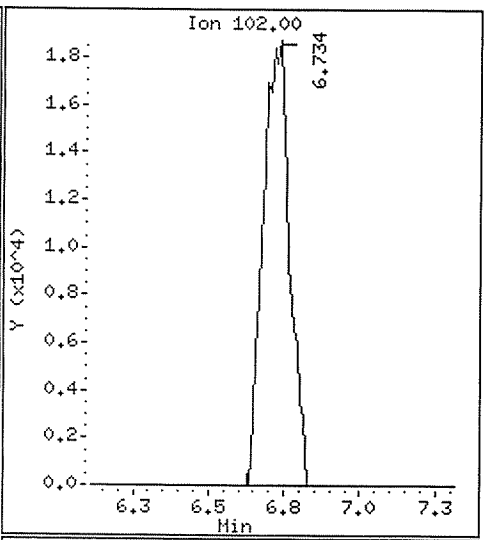
Column phase: J&W DB-624

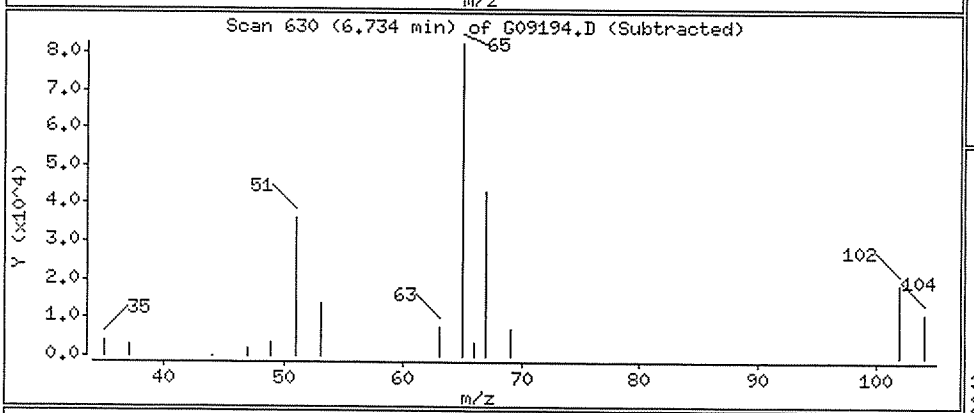
Column diameter: 0.53

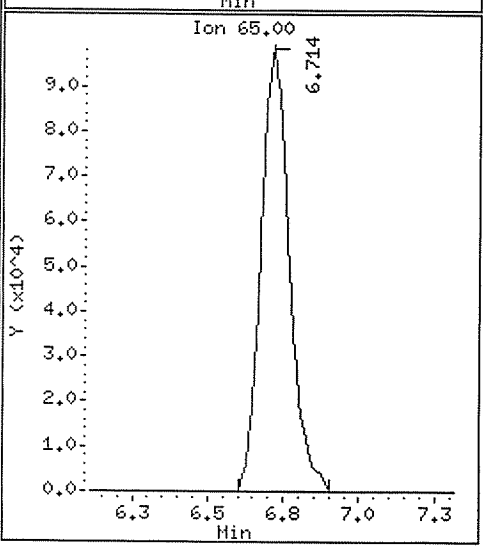
34 1,2-Dichloroethane-d4 2nd

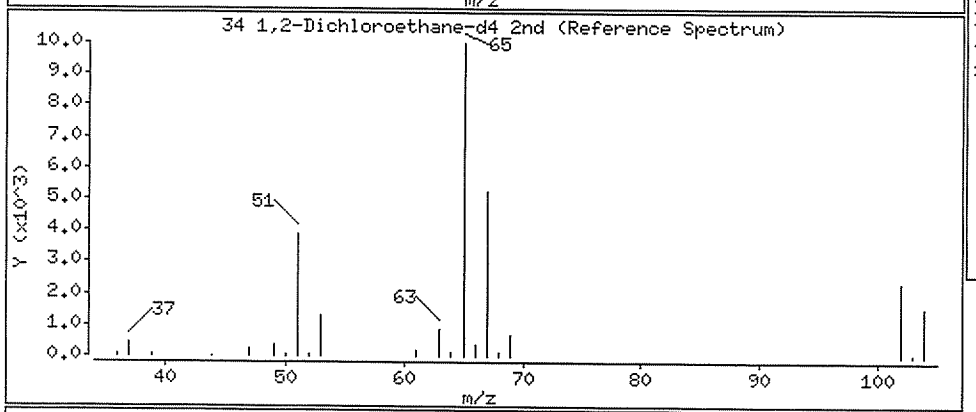
Concentration: 60.78 ug/Kg

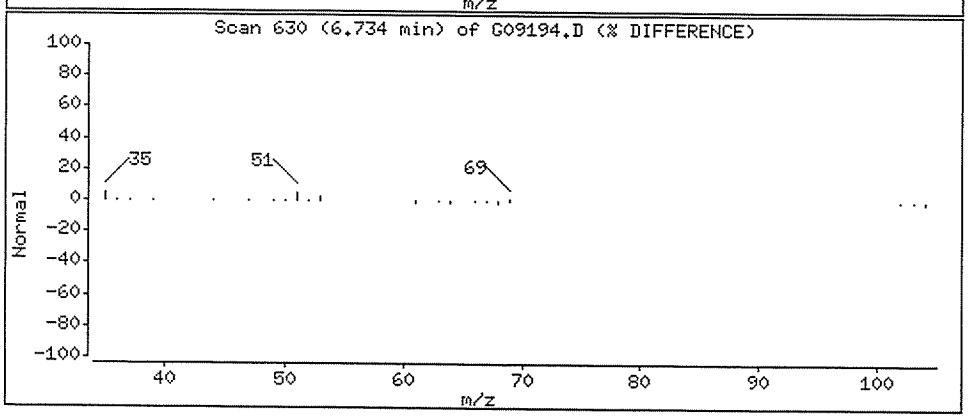












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09194.D

Date : 22-OCT-2000 16:44

Client ID: G09194

Instrument: mg.i

Sample Info: DM1AL1AA,,2,,0,1,0,8260BGS.M,G09194

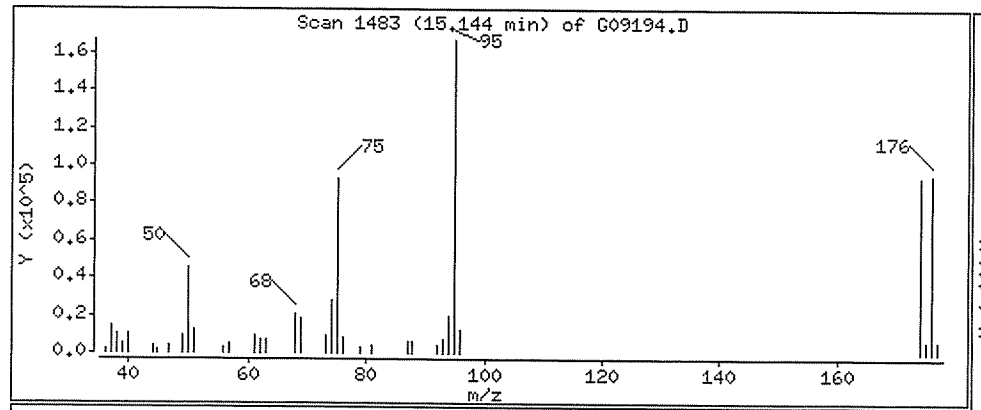
Operator: RRT

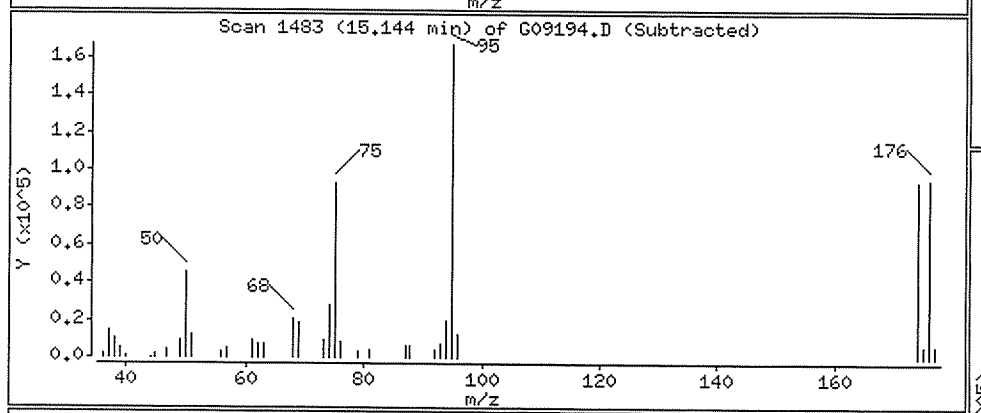
Column phase: J&W DB-624

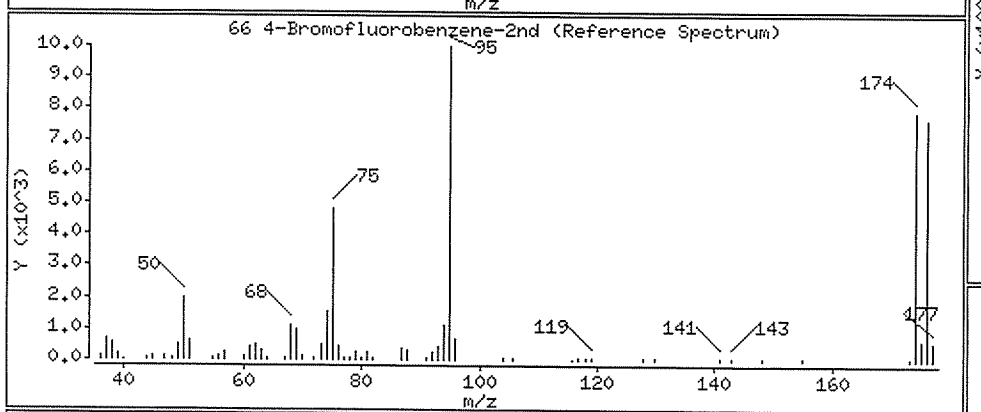
Column diameter: 0.53

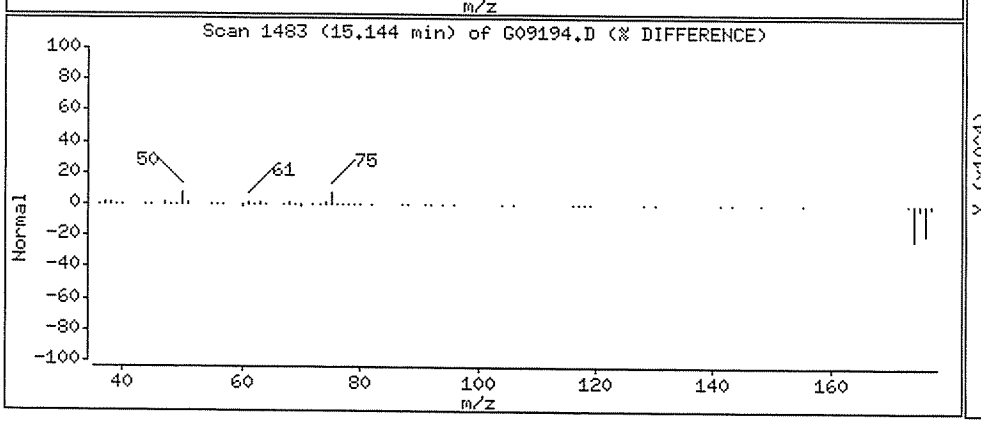
66 4-Bromofluorobenzene-2nd

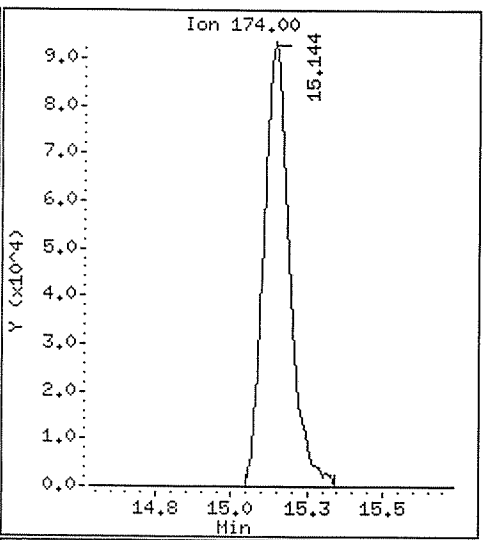
Concentration: 50.76 ug/Kg

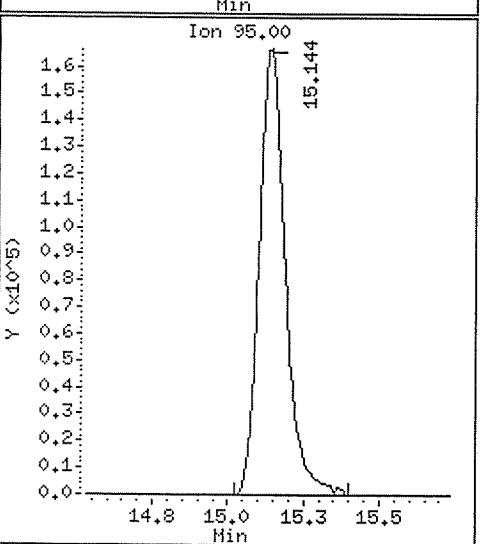


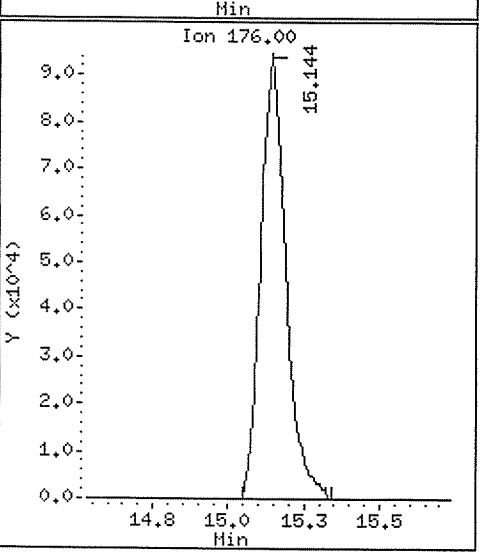












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09194.D

Date : 22-OCT-2000 16:44

Client ID: G09194

Instrument: mg.i

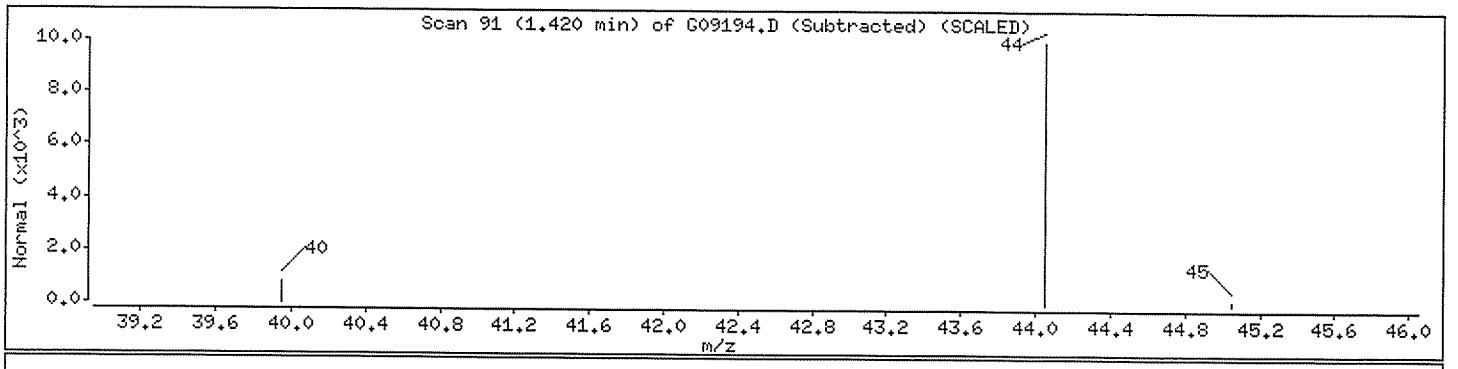
Sample Info: DM1AL1AA,,2,,0,1,0,8260BGS.M,G09194

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

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



ND

000672

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09195.D
Lab Smp Id: DM1AM1AD Client Smp ID: G09195
Inj Date : 22-OCT-2000 17:19
Operator : RRT Inst ID: mg.i
Smp Info : DM1AM1AD,,2,,0,1,0,8260BGS.M,G09195
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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)
26 Chloroform (*)	83	5.919	5.914	(0.813)	37672	1.92191	1.92(aQ)
$ 29 Dibromofluoromethane	111	6.176	6.180	(0.848)	813782	50.6236	50.62
$ 33 1,2-Dichloroethane-d4	65	6.718	6.703	(0.923)	671442	52.6523	52.65
34 1,2-Dichloroethane-d4 2nd	102	6.698	6.713	(0.920)	115950	57.7182	57.72
* 38 Fluorobenzene	96	7.280	7.265	(1.000)	1395728	50.0000	
$ 47 Toluene-d8	98	10.119	10.104	(0.791)	1303401	49.9440	49.94
* 56 Chlorobenzene-d5	117	12.801	12.806	(1.000)	1057066	50.0000	
$ 67 4-Bromofluorobenzene	95	15.138	15.123	(0.867)	990424	54.3912	54.39
66 4-Bromofluorobenzene-2nd	174	15.148	15.132	(0.867)	547101	52.8376	52.84
* 79 1,4-Dichlorobenzene-d4	152	17.464	17.439	(1.000)	555812	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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09195.D
Lab Smp Id: DM1AM1AD Client Smp ID: G09195
Inj Date : 22-OCT-2000 17:19
Operator : RRT Inst ID: mg.i
Smp Info : DM1AM1AD,,2,,0,1,0,8260BGS.M,G09195
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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	7.280	3545913	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.423	1013376	14.2893556	14.29	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1AM1AD
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09195
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

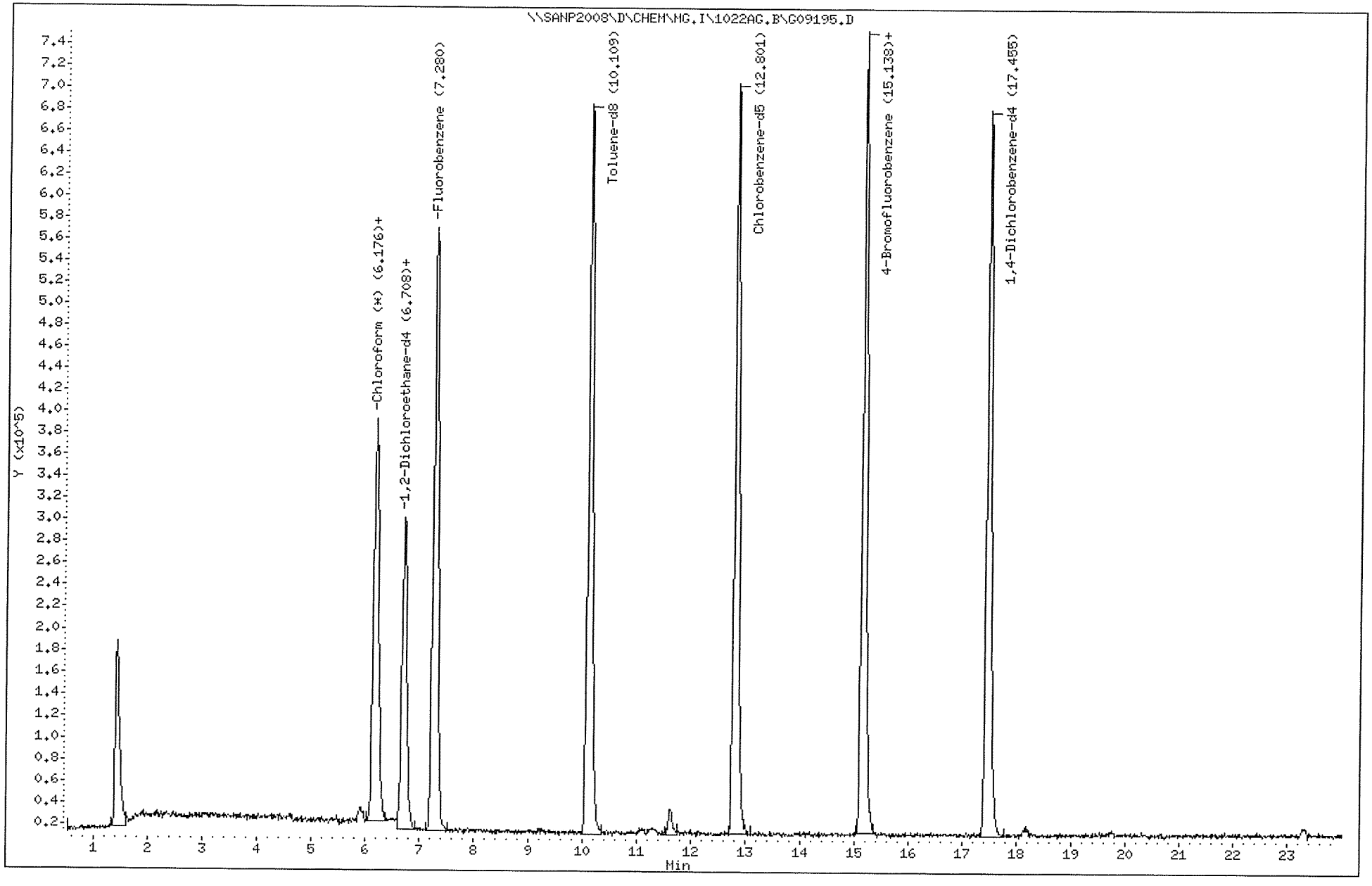
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~ NO	1.423	14.29	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09195.D
Date : 22-OCT-2000 17:19
Client ID: G09195
Sample Info: DM1AM1AD,,2,,0,1,0,8260BGS.M,G09195

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



BOE-C6-0165292

000677

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09195.D

Date : 22-OCT-2000 17:19

Client ID: G09195

Instrument: mg.i

Sample Info: DM1AM1AD,,2,,0,1,0,8260BGS.M,G09195

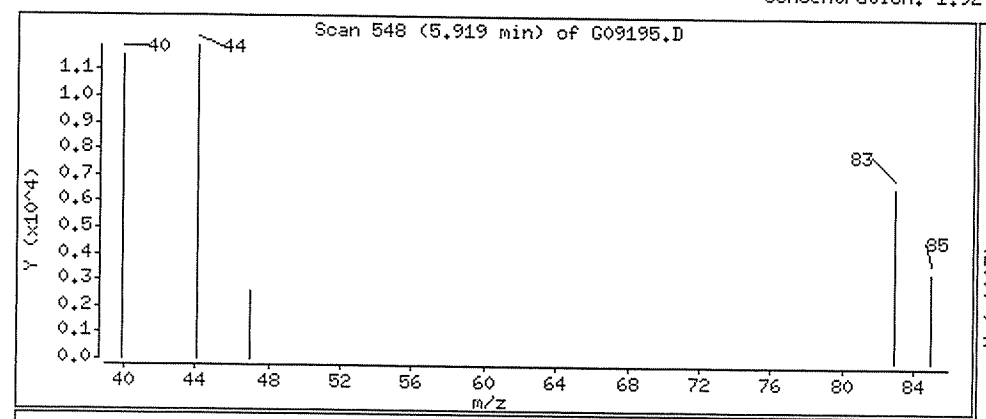
Operator: RRT

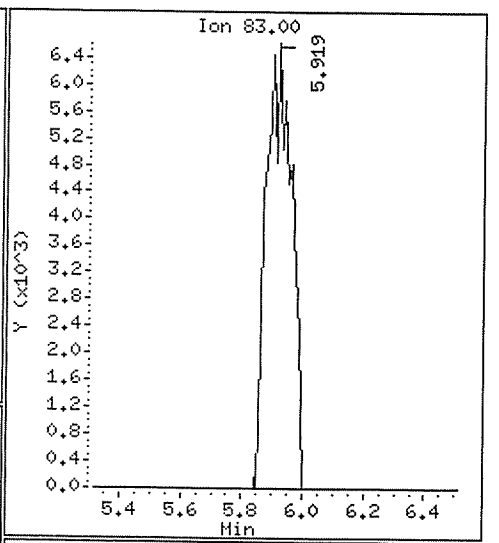
Column phase: J&W DB-624

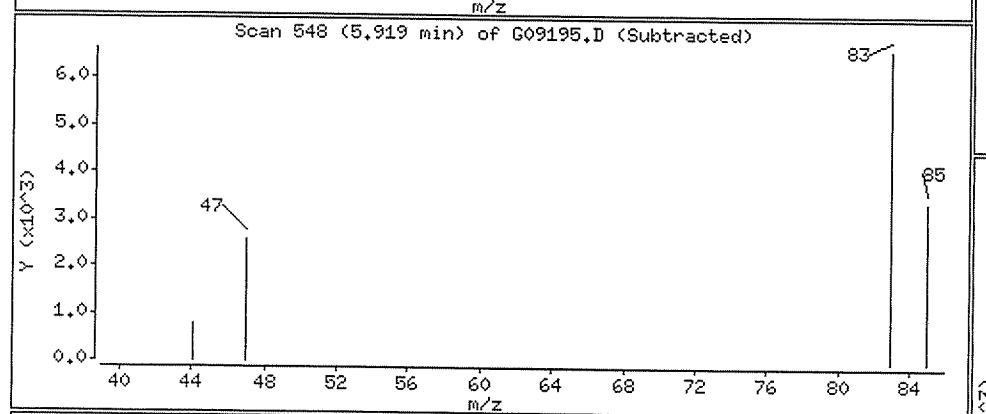
Column diameter: 0.53

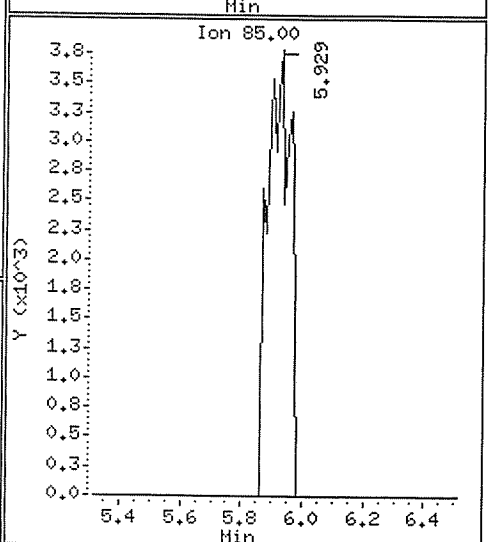
26 Chloroform (*)

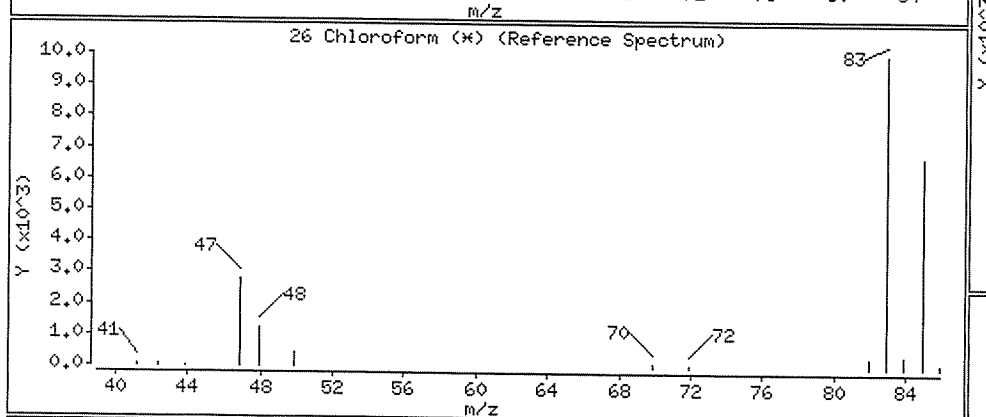
Concentration: 1.92 ug/Kg

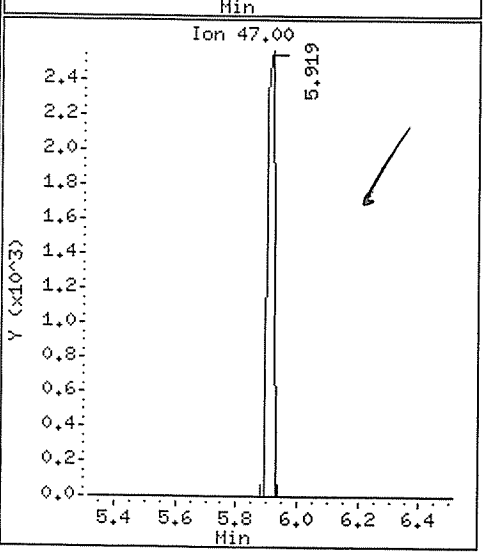


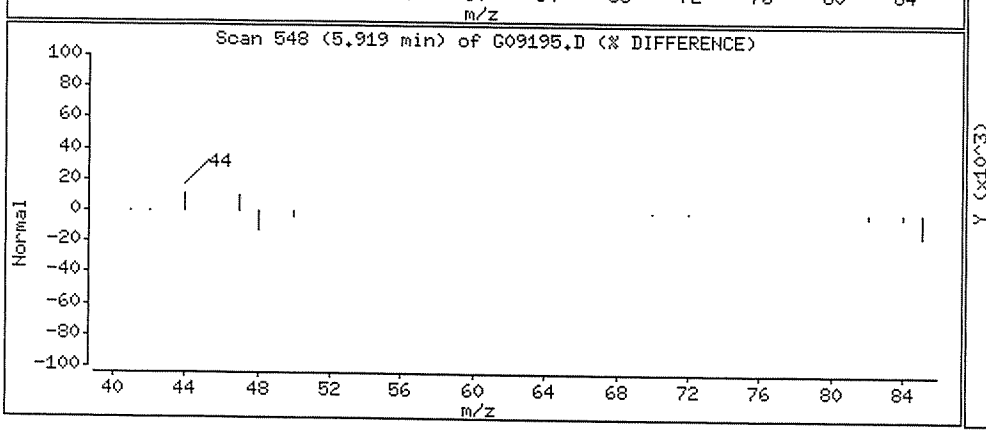












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09195.D

Date : 22-OCT-2000 17:19

Client ID: G09195

Instrument: mg.i

Sample Info: DM1AM1AD,,2,,0,1,0,8260BGS.M,G09195

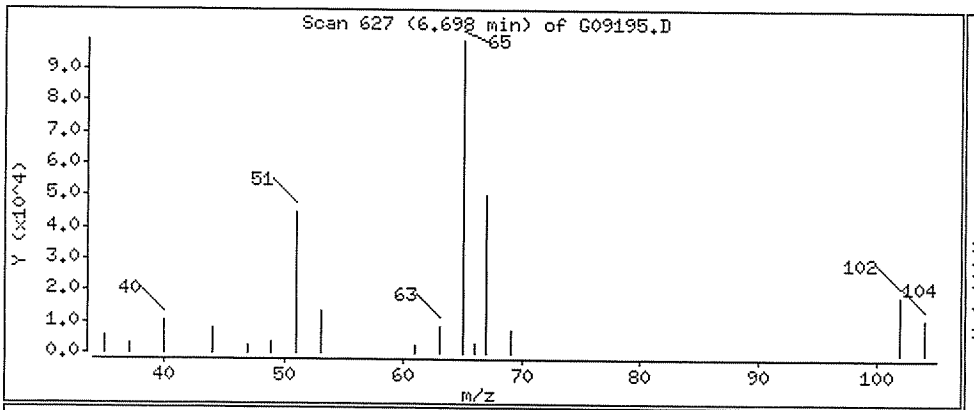
Operator: RRT

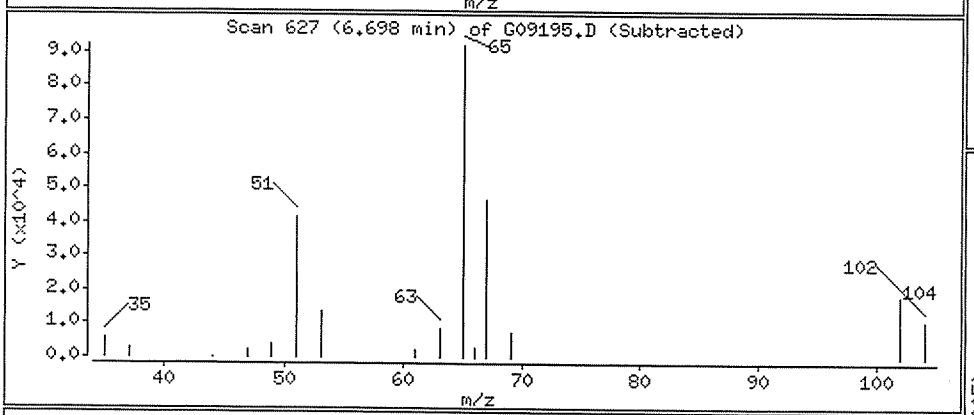
Column phase: J&W DB-624

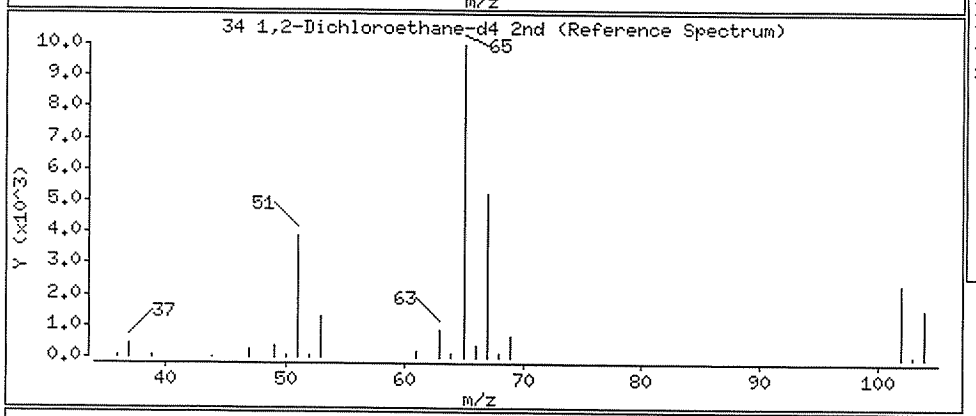
Column diameter: 0.53

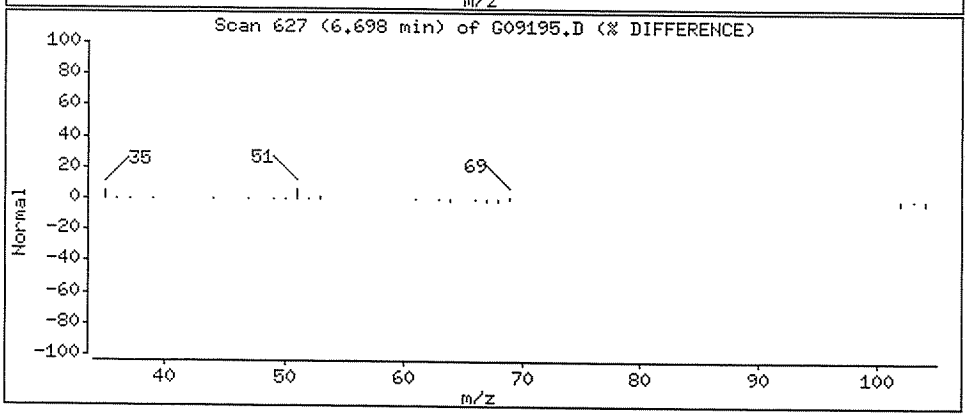
34 1,2-Dichloroethane-d4 2nd

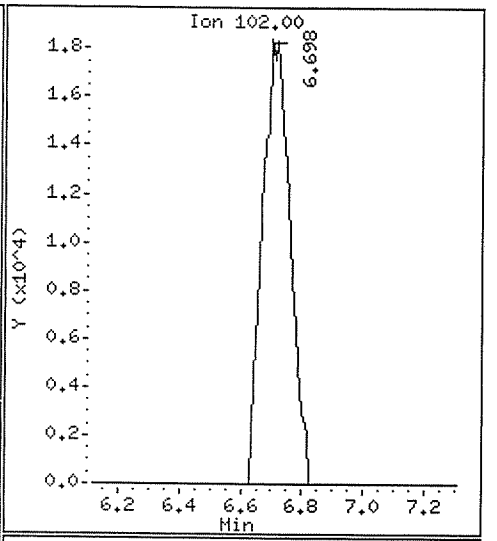
Concentration: 57.72 ug/Kg

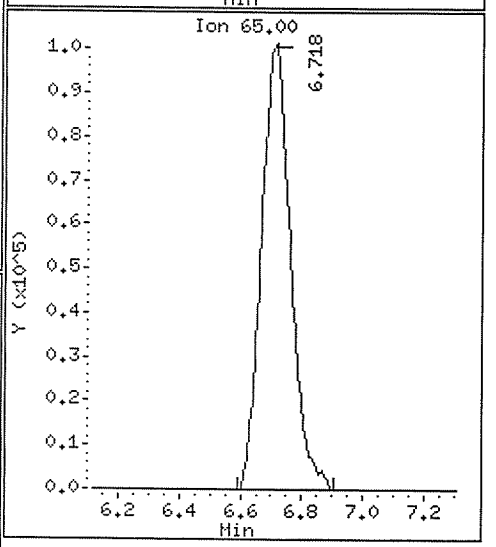












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09195.D

Date : 22-OCT-2000 17:19

Client ID: G09195

Instrument: mg.i

Sample Info: DM1AM1AD,,2,,0,1,0,8260BGS,M,G09195

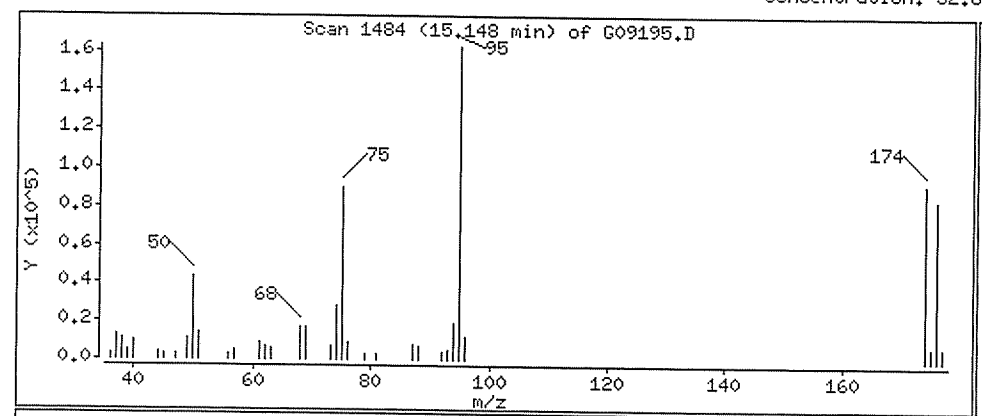
Operator: RRT

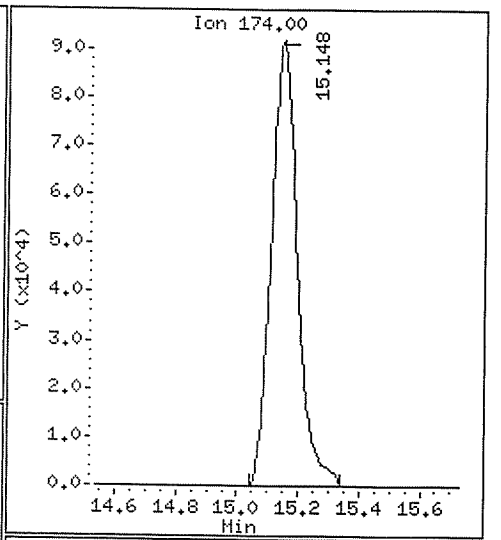
Column phase: J&W DB-624

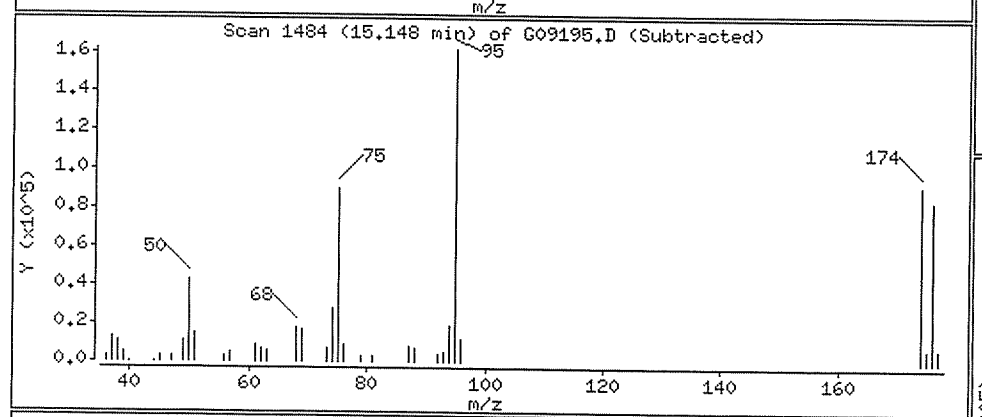
Column diameter: 0.53

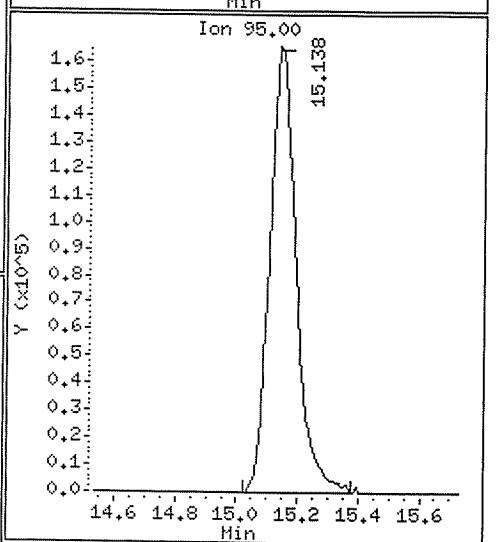
66 4-Bromofluorobenzene-2nd

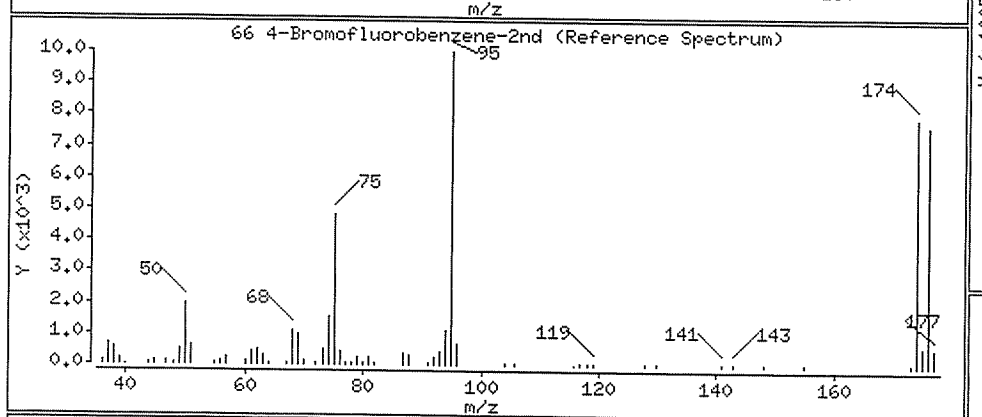
Concentration: 52.84 ug/Kg

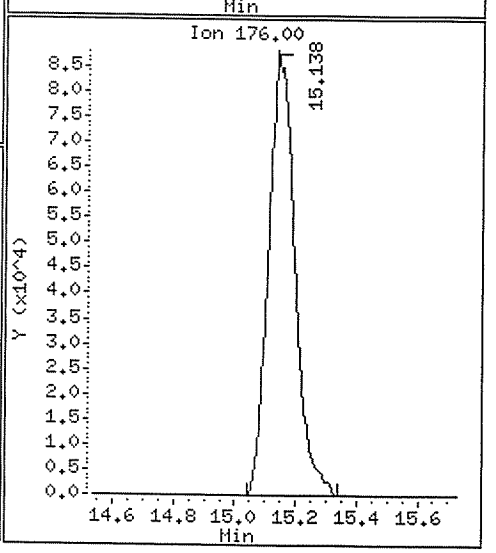


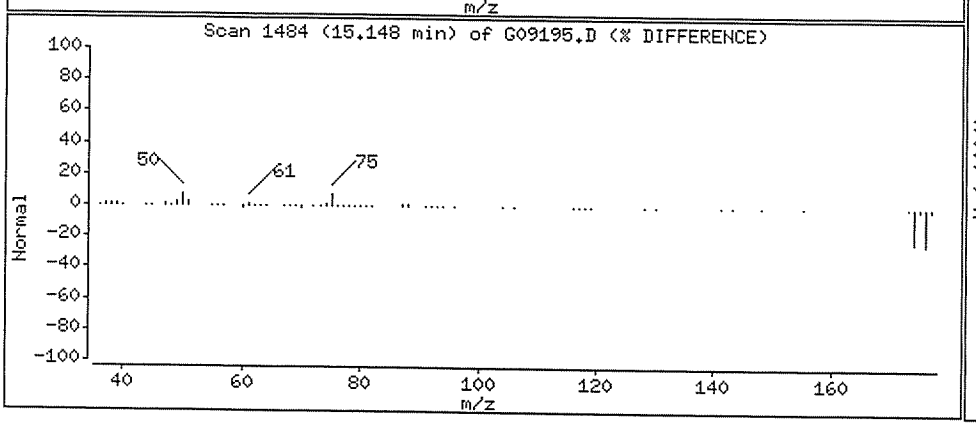












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09195.D

Date : 22-OCT-2000 17:19

Client ID: G09195

Instrument: mg.i

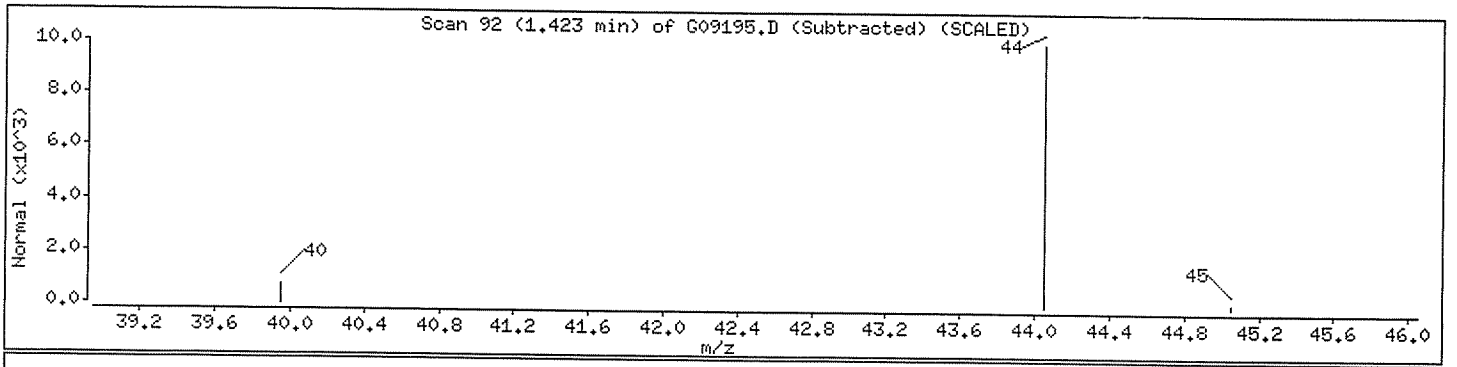
Sample Info: DM1AM1AD,,2,,0,1,0,8260BGS.M,G09195

Operator: RRT

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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09196.D
Lab Smp Id: DM1AP1AA Client Smp ID: G09196
Inj Date : 22-OCT-2000 17:53
Operator : RRT Inst ID: mg.i
Smp Info : DM1AP1AA,,2,,0,1,0,8260BGS.M,G09196
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.046	3.035	(0.419)	19276	7.35131	7.35
$ 29 Dibromofluoromethane	111	6.171	6.180	(0.849)	807816	51.7464	51.75
$ 33 1,2-Dichloroethane-d4	65	6.704	6.703	(0.923)	585301	47.2618	47.26
34 1,2-Dichloroethane-d4 2nd	102	6.714	6.713	(0.924)	100274	51.3990	51.40
* 38 Fluorobenzene	96	7.266	7.265	(1.000)	1355435	50.0000	
$ 47 Toluene-d8	98	10.105	10.104	(0.789)	1309889	50.7142	50.71
* 56 Chlorobenzene-d5	117	12.807	12.806	(1.000)	1046194	50.0000	
$ 67 4-Bromofluorobenzene	95	15.143	15.123	(0.867)	1024537	52.6716	52.67
66 4-Bromofluorobenzene-2nd	174	15.133	15.132	(0.867)	570929	51.6177	51.62
* 79 1,4-Dichlorobenzene-d4	152	17.460	17.439	(1.000)	593726	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09196.D
Lab Smp Id: DM1AP1AA Client Smp ID: G09196
Inj Date : 22-OCT-2000 17:53
Operator : RRT Inst ID: mg.i
Smp Info : DM1AP1AA,,2,,0,1,0,8260BGS.M,G09196
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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	7.266	3428315	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.419	1022510	14.9127136	14.91	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1AP1AA
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09196
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

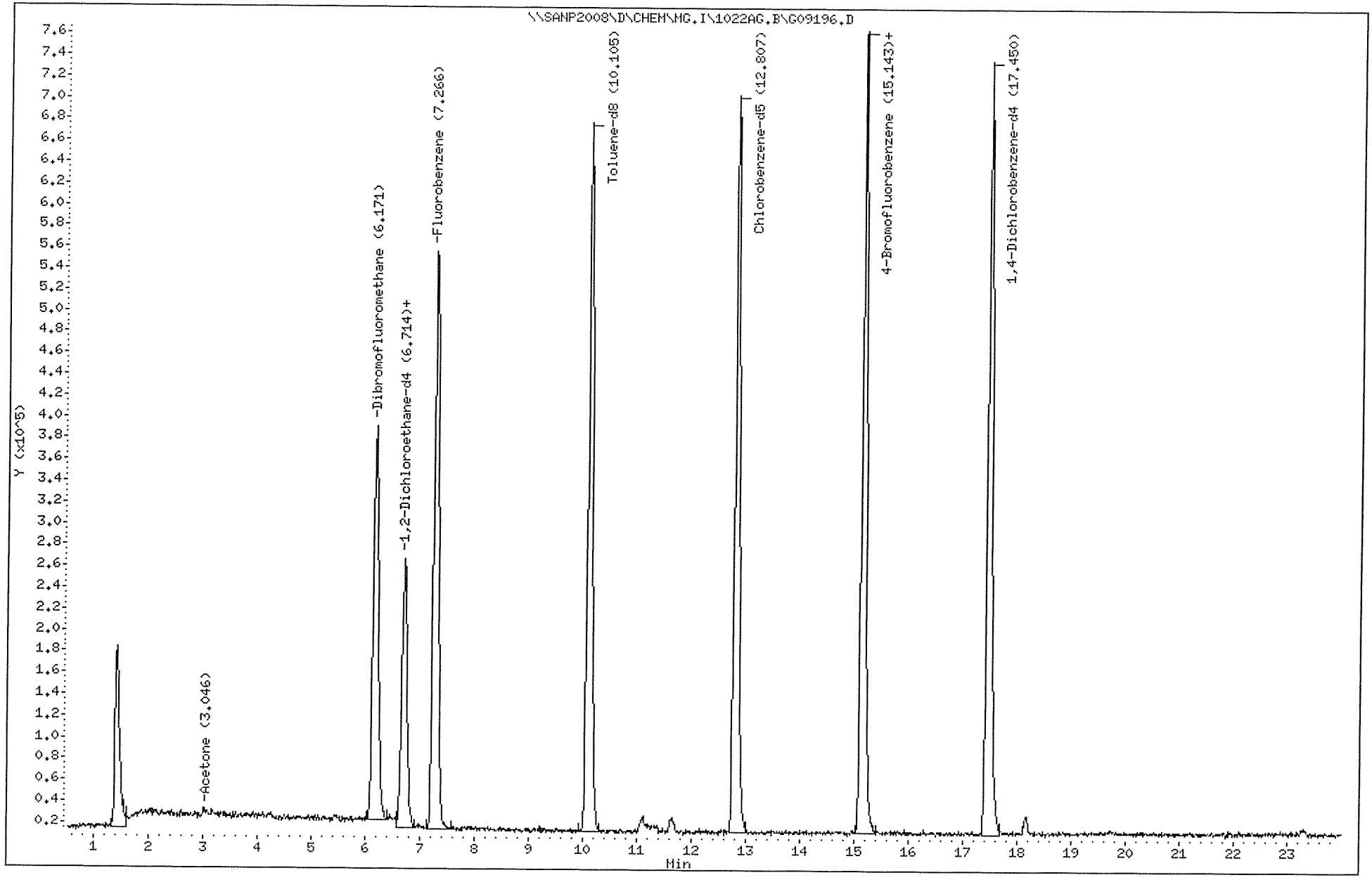
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.419	14.91	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09196.D
Date : 22-OCT-2000 17:53
Client ID: G09196
Sample Info: DM1AP1AA,,2,,0,1,0,8260BGS.M,G09196

Instrument: mg.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



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BOE-C6-0165301

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09196.D

Date : 22-OCT-2000 17:53

Client ID: G09196

Instrument: mg.i

Sample Info: DM1AP1AA,,2,,0,1,0,8260BGS.M,G09196

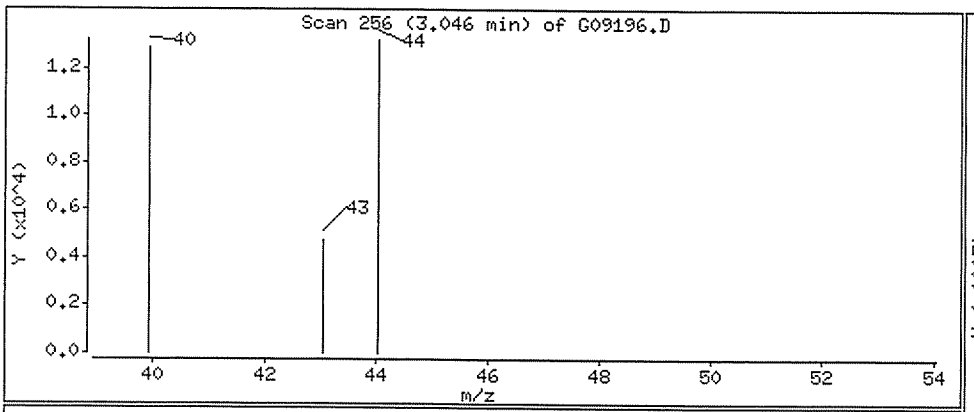
Operator: RRT

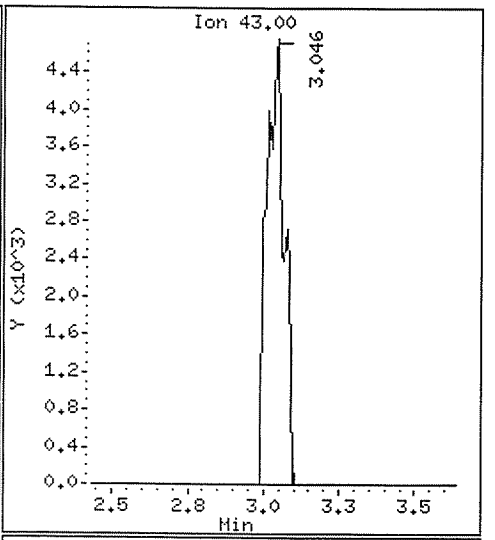
Column phase: J&W DB-624

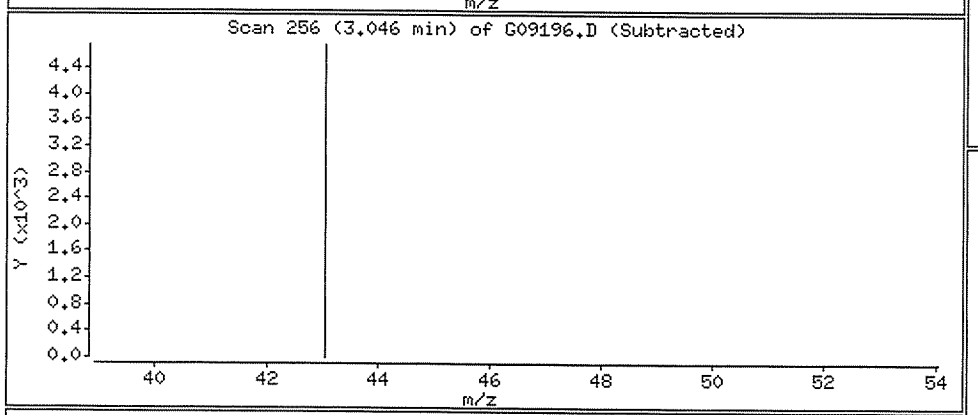
Column diameter: 0.53

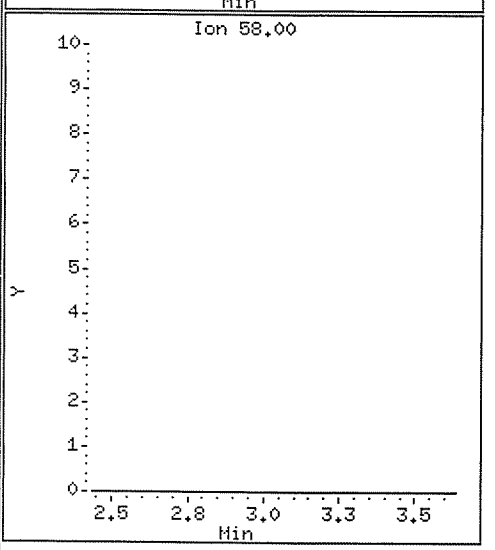
10 Acetone

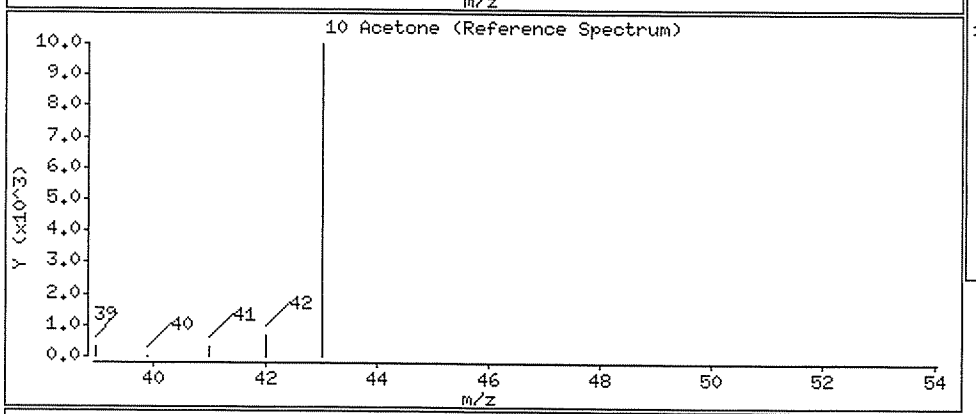
Concentration: 7.35 ug/Kg

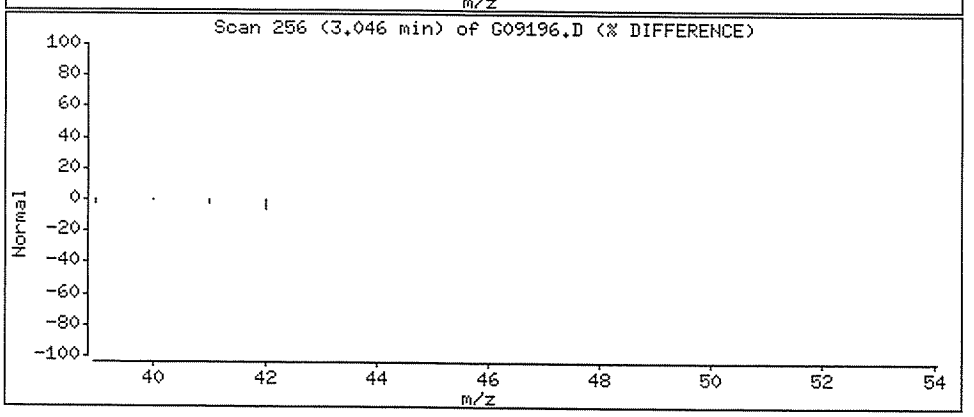












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Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09196.D

Date : 22-OCT-2000 17:53

Client ID: G09196

Instrument: mg.i

Sample Info: DM1AP1AA,,2,,0,1,0,8260BGS.M,G09196

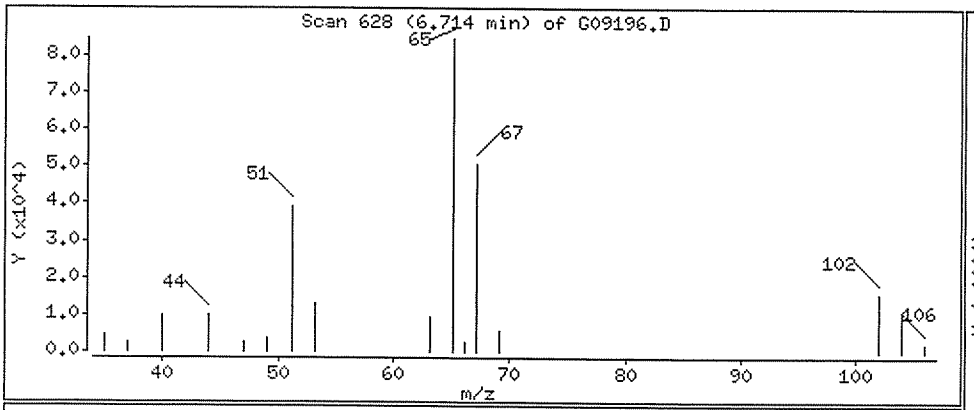
Operator: RRT

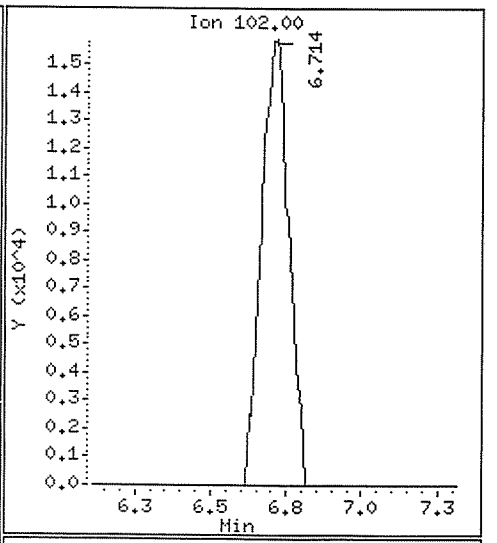
Column phase: J&W DB-624

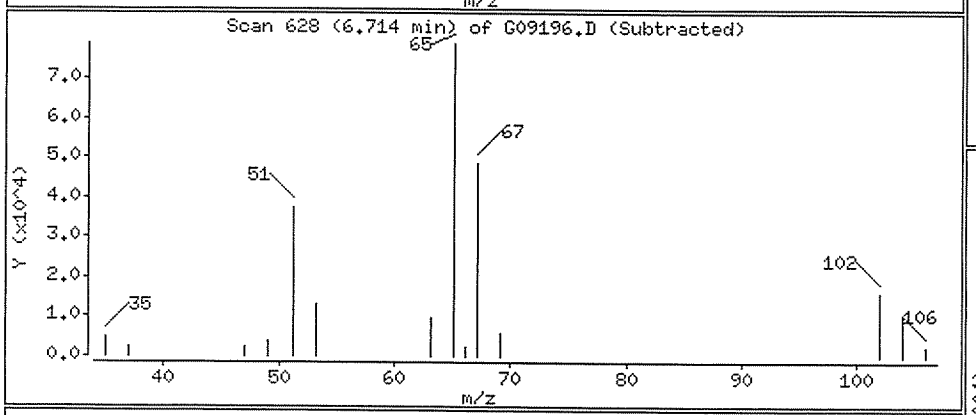
Column diameter: 0.53

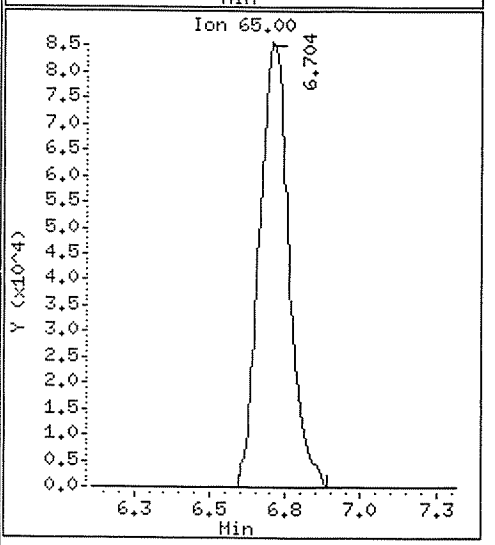
34 1,2-Dichloroethane-d4 2nd

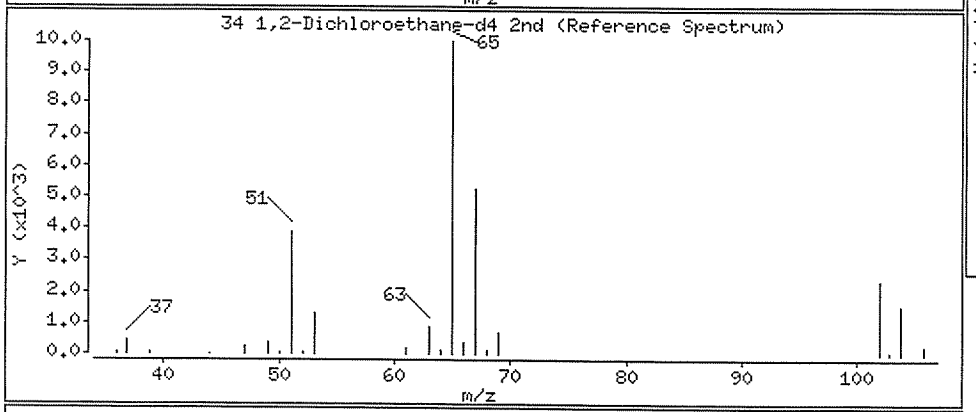
Concentration: 51.40 ug/Kg

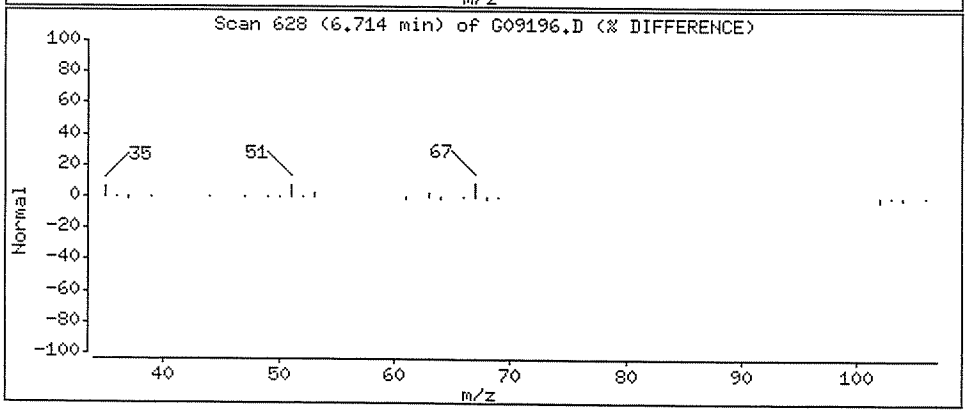












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09196.D

Date : 22-OCT-2000 17:53

Client ID: G09196

Instrument: mg.i

Sample Info: DM1AP1AA,,2,,0,1,0,8260BGS.M,G09196

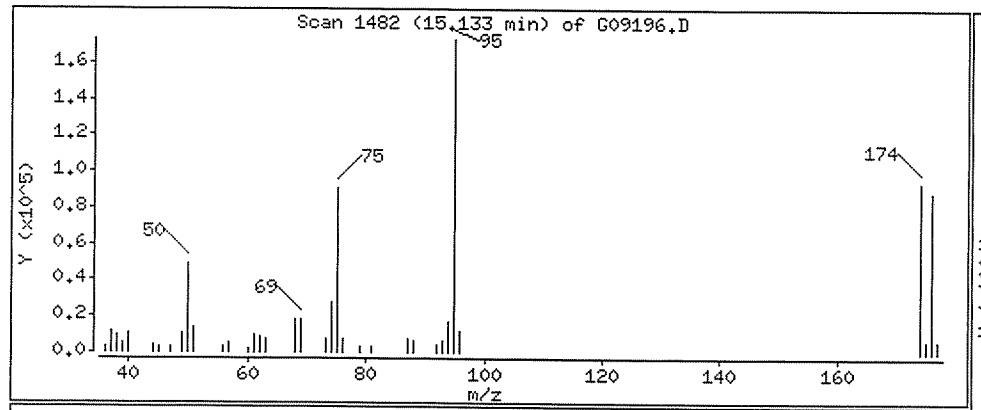
Operator: RRT

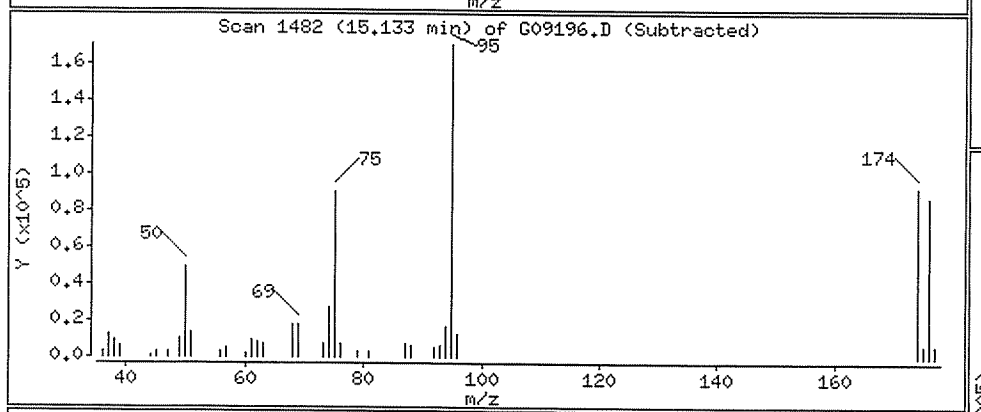
Column phase: J&W DB-624

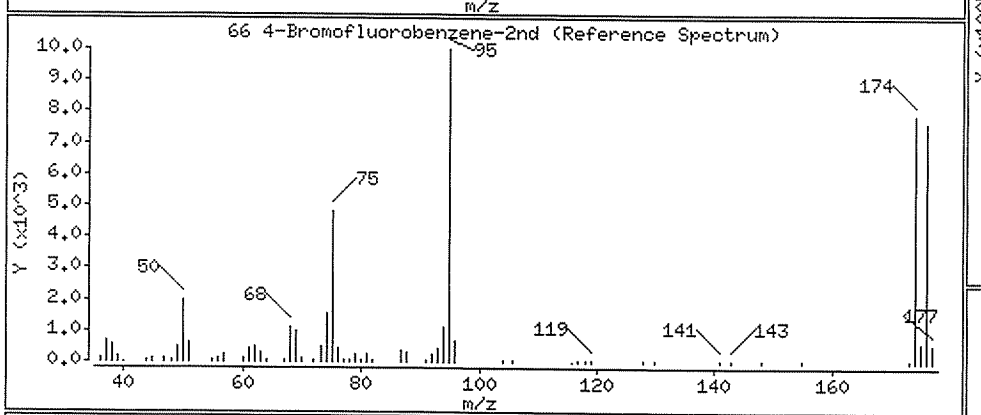
Column diameter: 0.53

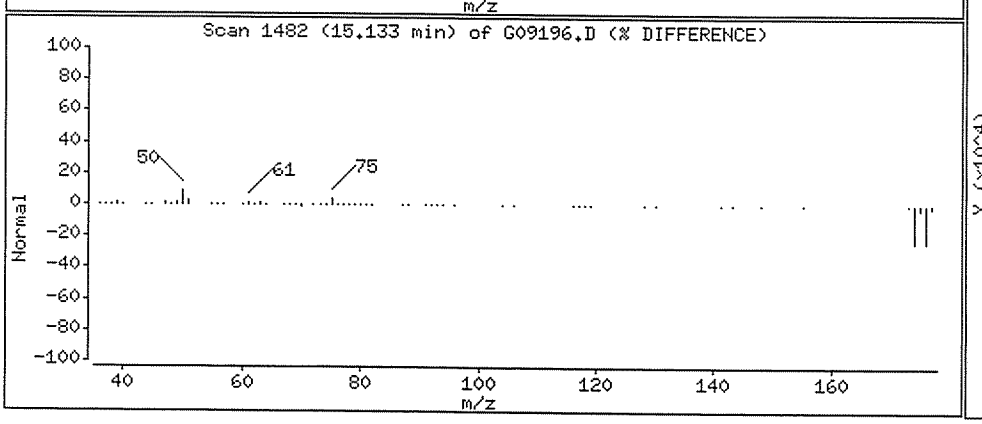
66 4-Bromofluorobenzene-2nd

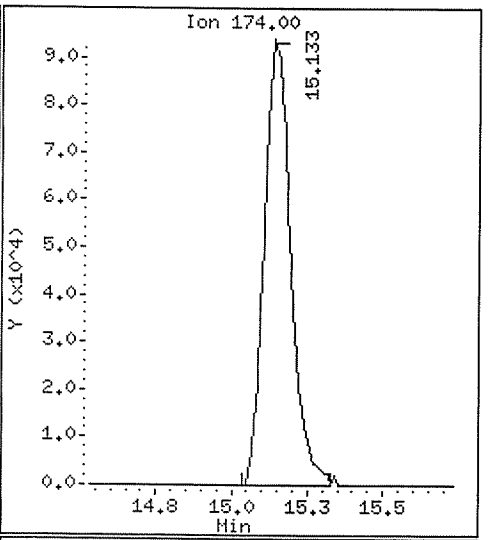
Concentration: 51.62 ug/Kg

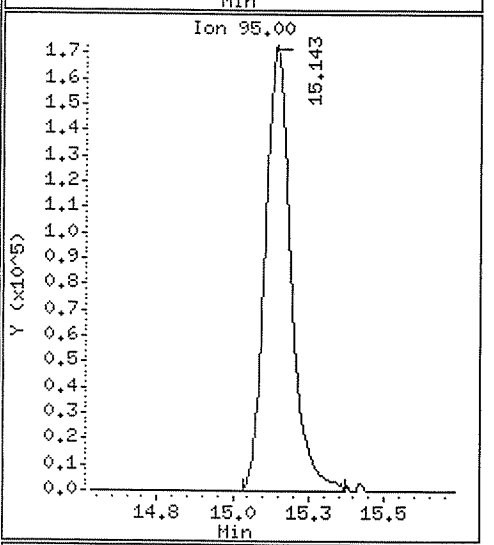


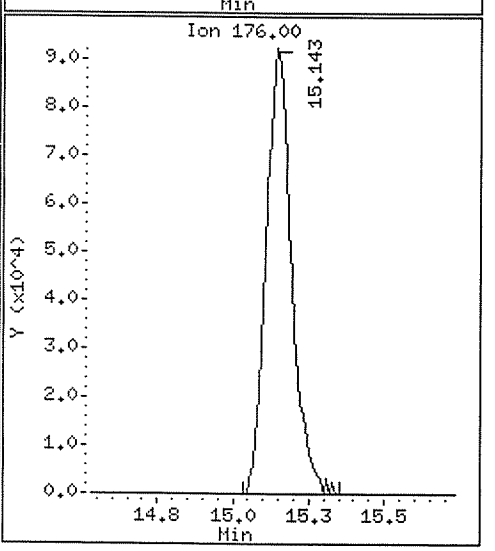












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09196.D

Date : 22-OCT-2000 17:53

Client ID: G09196

Instrument: mg.i

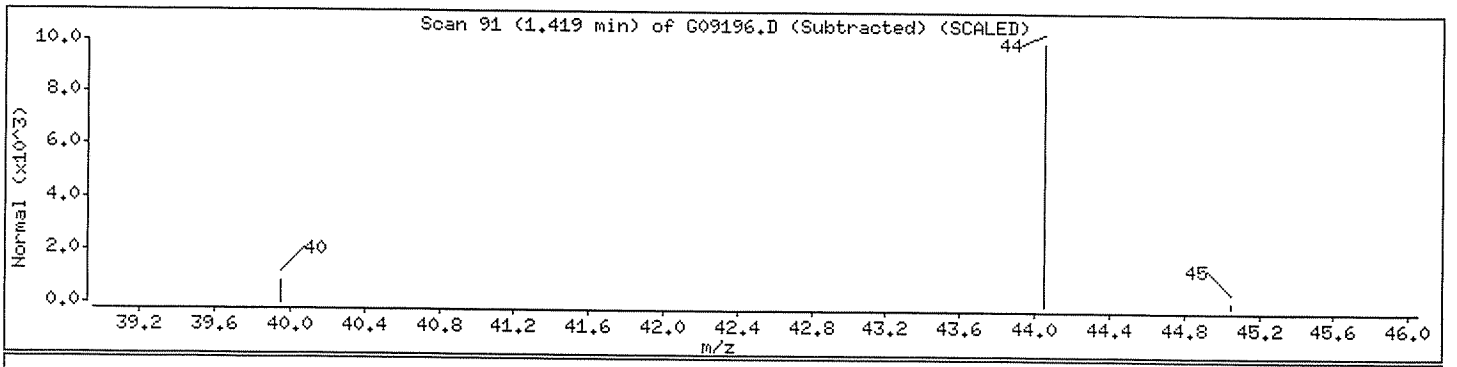
Sample Info: DM1AP1AA,,2,,0,1,0,8260BGS.M,G09196

Operator: RRT

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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09199.D
Lab Smp Id: DM1AR1AC Client Smp ID: G09199
Inj Date : 22-OCT-2000 19:37
Operator : RRT Inst ID: mg.i
Smp Info : DM1AR1AC,,2,,0,1,0,8260BGS.M,G09199
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.032	3.035	(0.418)	15558	5.88338	5.88
$ 29 Dibromofluoromethane	111	6.167	6.180	(0.849)	800121	50.8225	50.82
$ 33 1,2-Dichloroethane-d4	65	6.700	6.703	(0.923)	628851	50.3514	50.35
34 1,2-Dichloroethane-d4 2nd	102	6.700	6.713	(0.923)	112111	56.9832	56.98
* 38 Fluorobenzene	96	7.262	7.265	(1.000)	1366929	50.0000	
39 Trichloroethene	130	7.902	7.906	(1.088)	48301	4.71757	4.72(a)
$ 47 Toluene-d8	98	10.101	10.104	(0.789)	1308780	49.4906	49.49
* 56 Chlorobenzene-d5	117	12.803	12.806	(1.000)	1071152	50.0000	
$ 67 4-Bromofluorobenzene	95	15.129	15.123	(0.867)	1011946	52.5012	52.50
66 4-Bromofluorobenzene-2nd	174	15.139	15.132	(0.868)	559912	51.0857	51.08
* 79 1,4-Dichlorobenzene-d4	152	17.446	17.439	(1.000)	588333	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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09199.D
Lab Smp Id: DM1AR1AC Client Smp ID: G09199
Inj Date : 22-OCT-2000 19:37
Operator : RRT Inst ID: mg.i
Smp Info : DM1AR1AC,,2,,0,1,0,8260BGS.M,G09199
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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	7.262	3471581	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.415	1312545	18.9041361	18.90	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1AR1AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09199
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

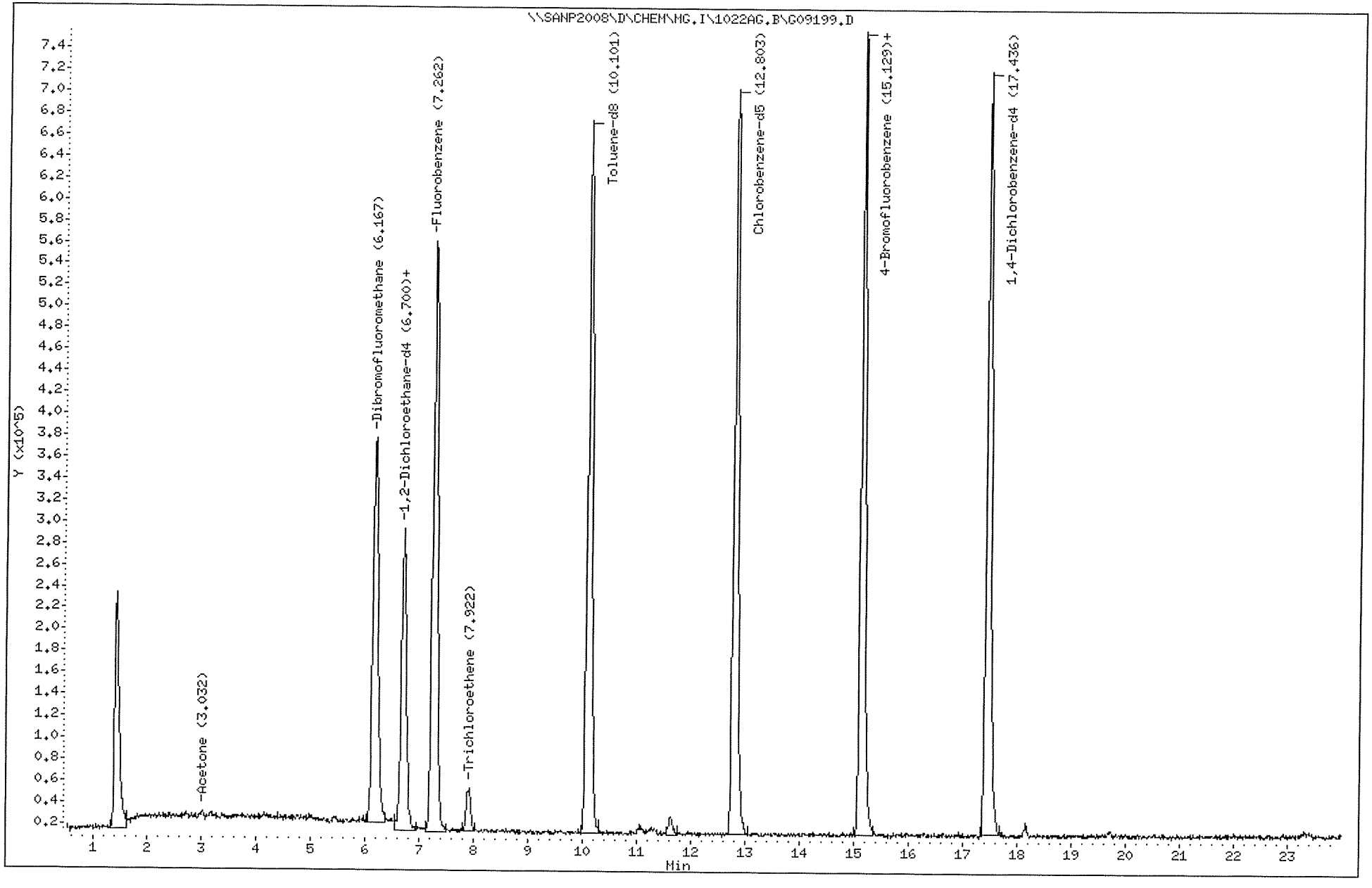
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.415	18.90	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09199.D
Date : 22-OCT-2000 19:37
Client ID: G09199
Sample Info: DM1AR1AC,,2,,0,1,0,8260BGS.M,G09199

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



000695

BOE-C6-0165310

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09199.D

Date : 22-OCT-2000 19:37

Client ID: G09199

Instrument: mg.i

Sample Info: DM1AR1AC,,2,,0,1,0,8260BGS.M,G09199

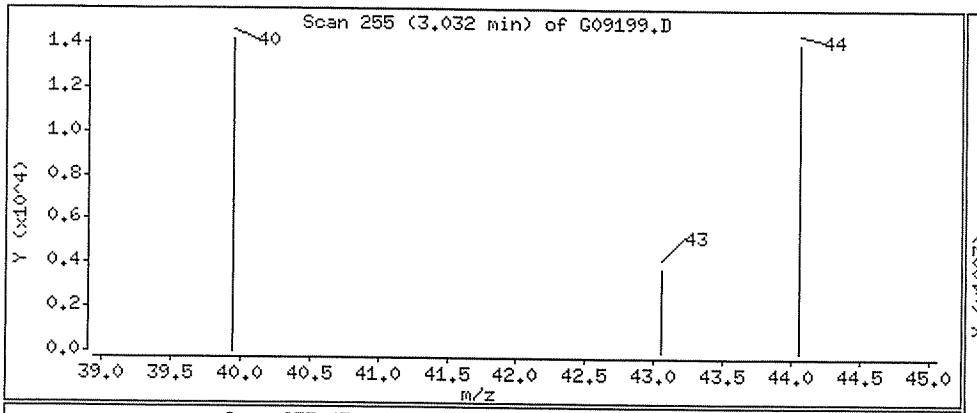
Operator: RRT

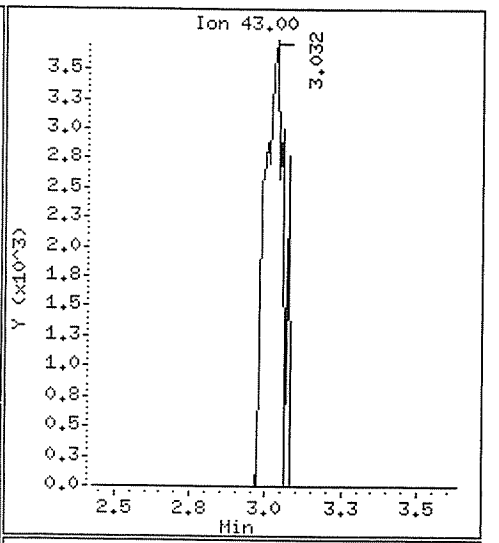
Column phase: J&W DB-624

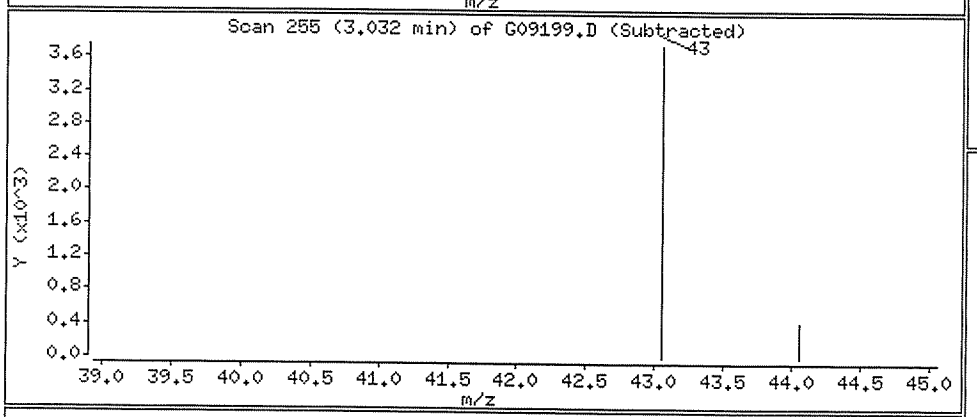
Column diameter: 0.53

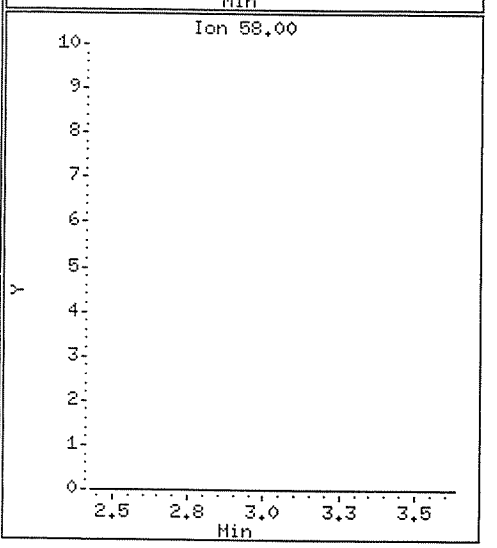
10 Acetone

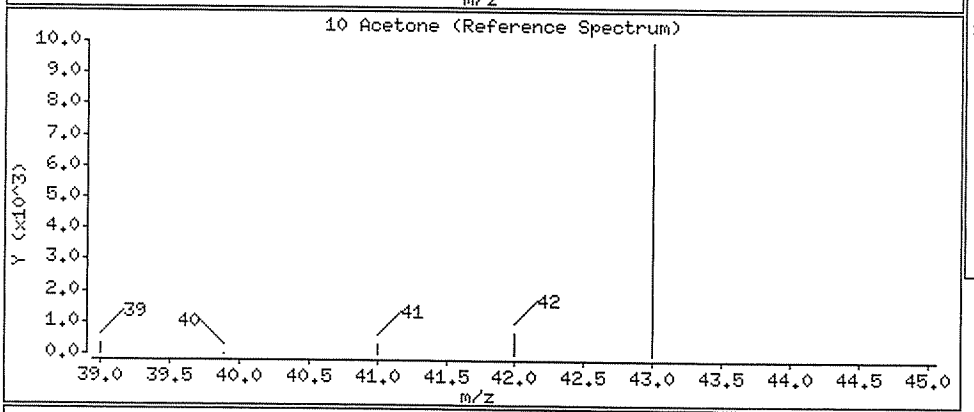
Concentration: 5.88 ug/Kg

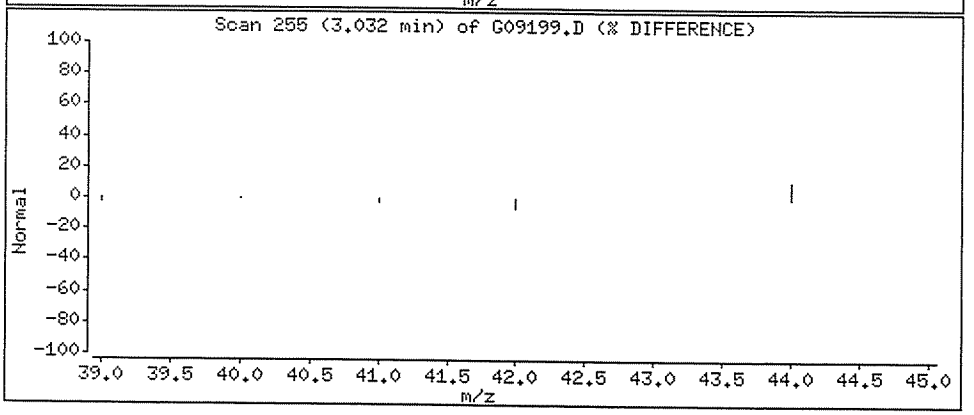












000696

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09199.D

Date : 22-OCT-2000 19:37

Client ID: G09199

Instrument: mg.i

Sample Info: DM1AR1AC,,2,,0,1,0,8260BGS.M,G09199

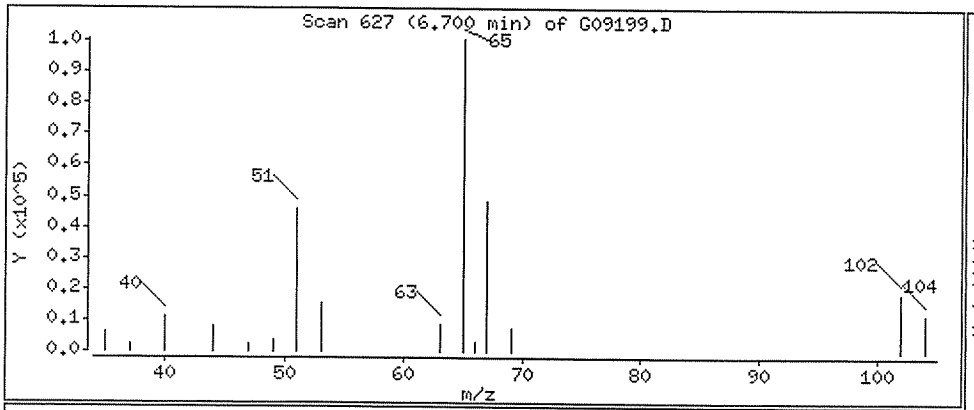
Operator: RRT

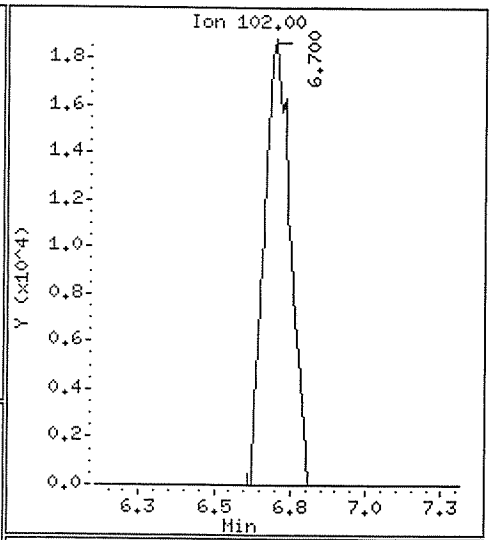
Column phase: J&W DB-624

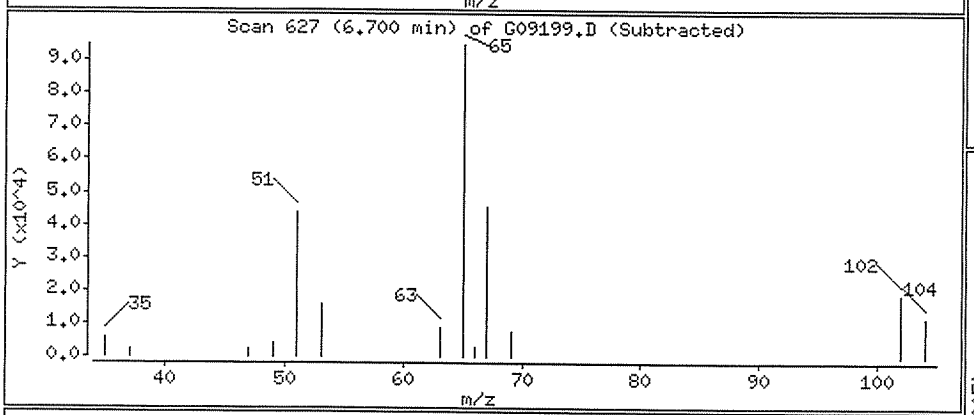
Column diameter: 0.53

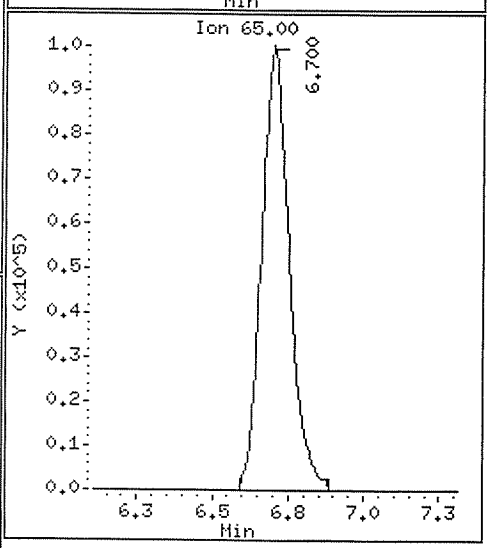
34 1,2-Dichloroethane-d4 2nd

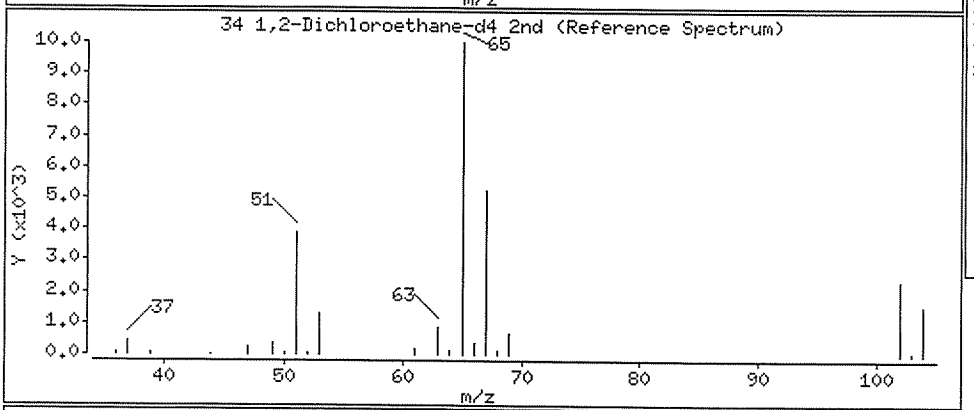
Concentration: 56.98 ug/Kg

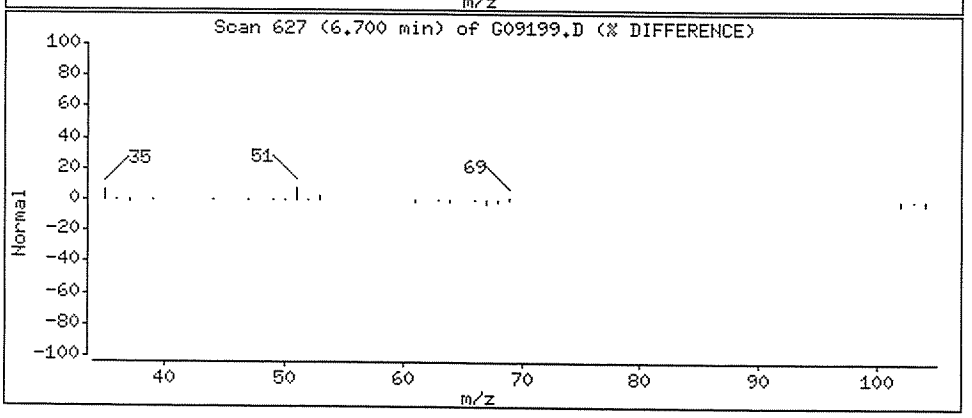












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09199.D

Date : 22-OCT-2000 19:37

Client ID: G09199

Instrument: mg.i

Sample Info: DM1AR1AC,,2,,0,1,0,8260BGS.M,G09199

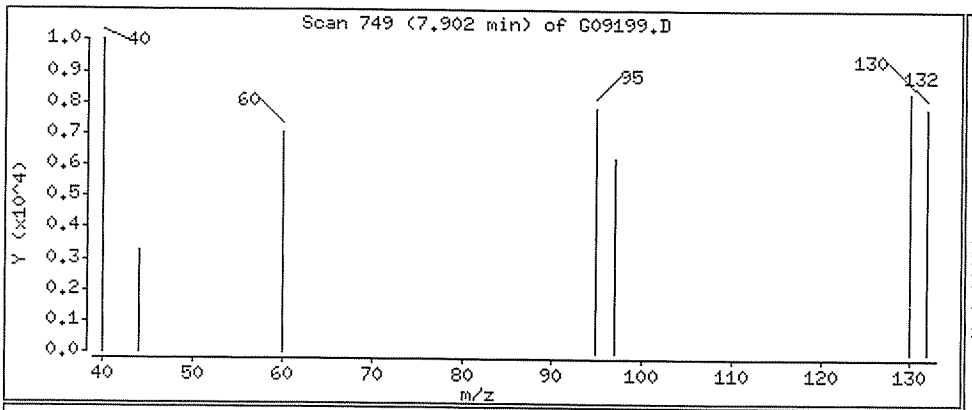
Operator: RRT

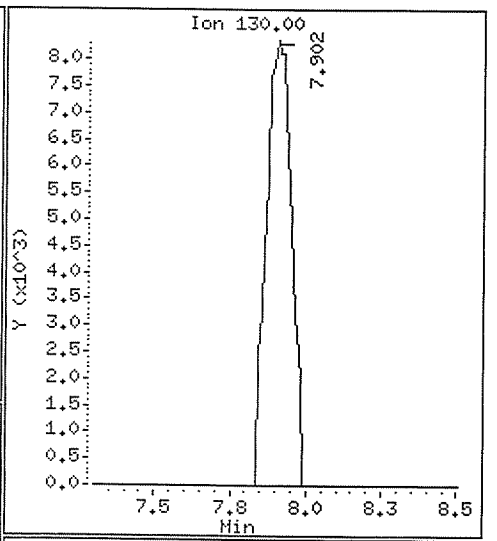
Column phase: J&W DB-624

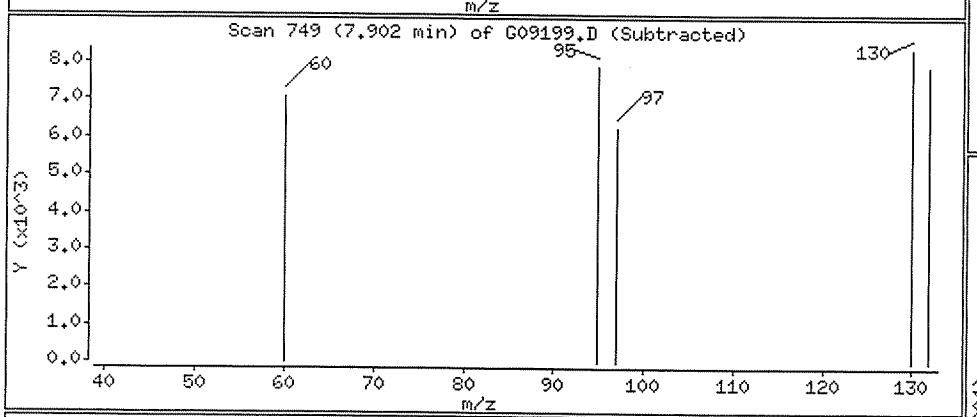
Column diameter: 0.53

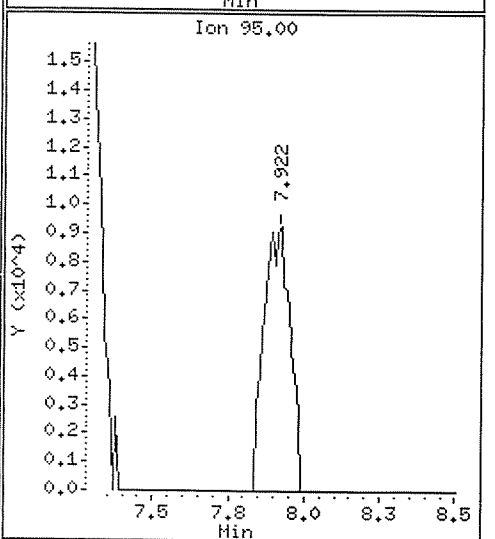
39 Trichloroethene

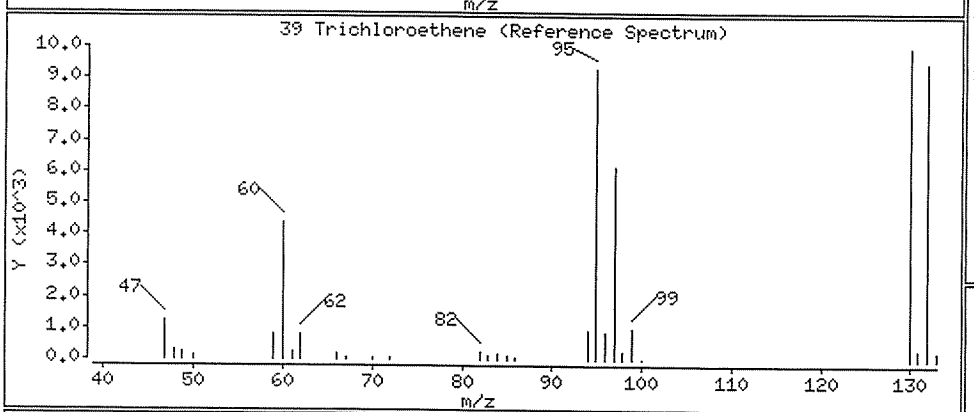
Concentration: 4.72 ug/Kg

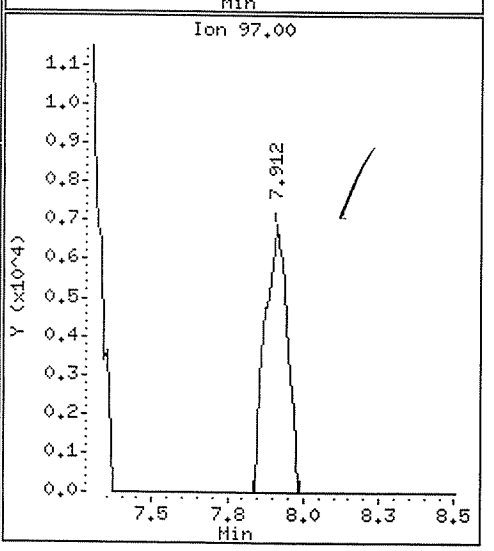


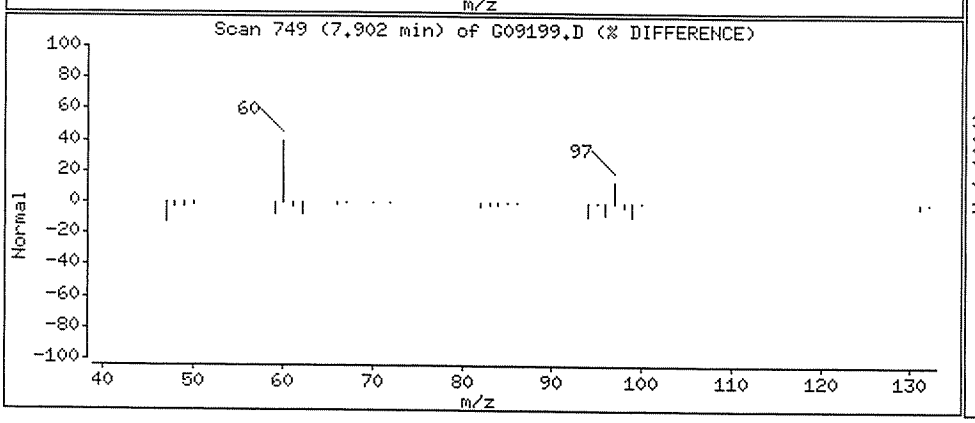












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09199.D

Date : 22-OCT-2000 19:37

Client ID: G09199

Instrument: mg.i

Sample Info: DM1AR1AC,,2,,0,1,0,8260BGS.M,G09199

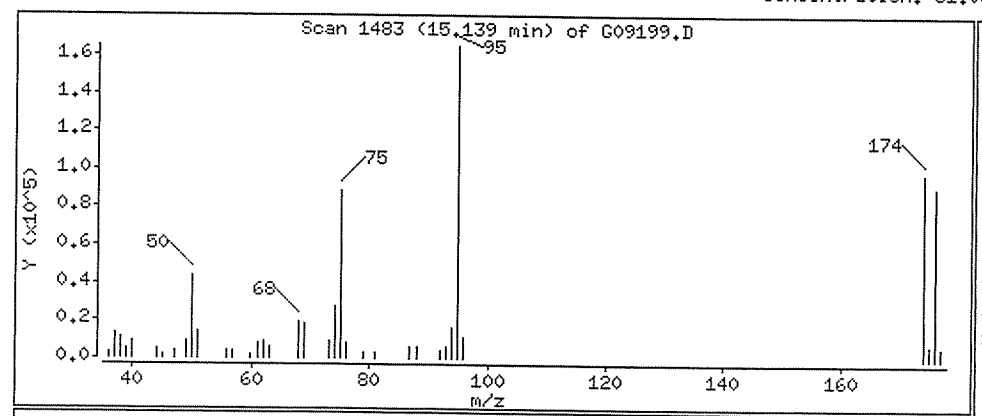
Operator: RRT

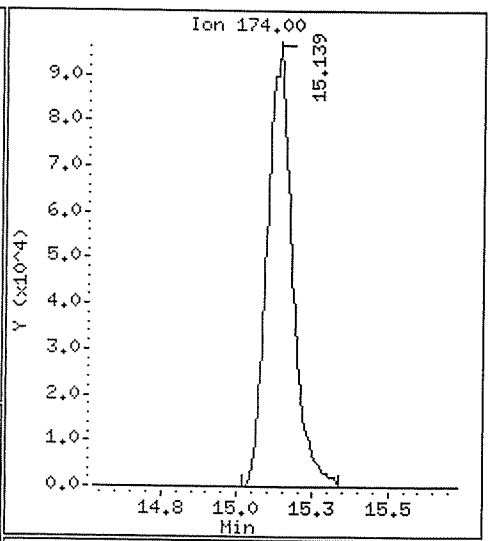
Column phase: J&W DB-624

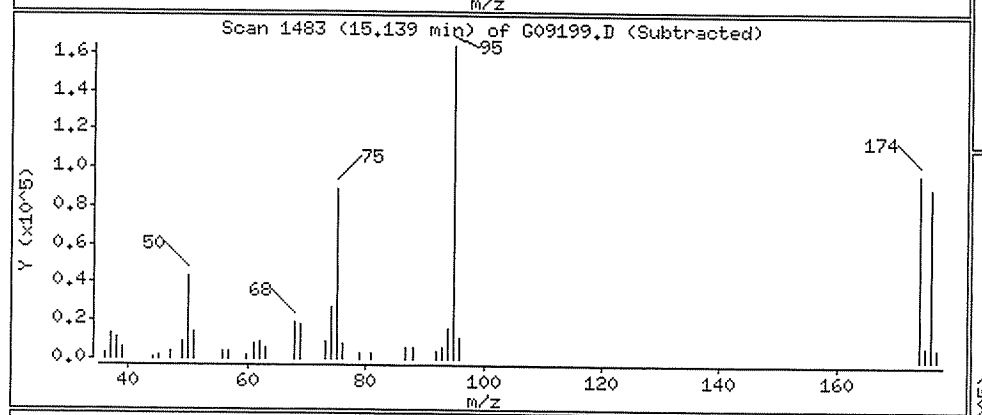
Column diameter: 0.53

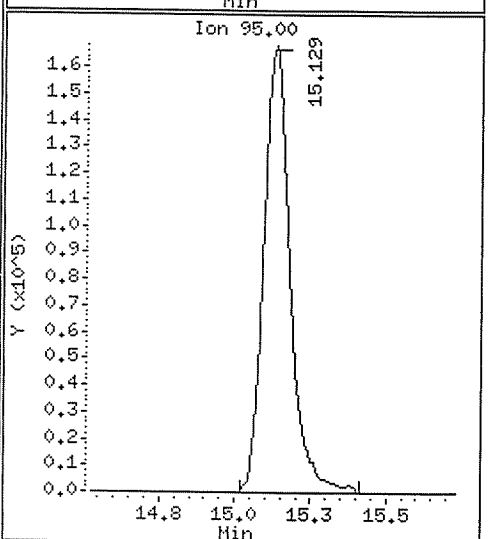
66 4-Bromofluorobenzene-2nd

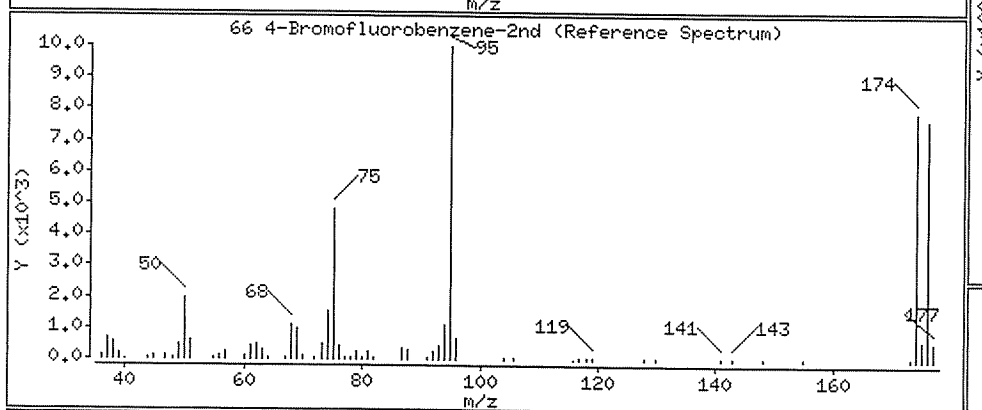
Concentration: 51.08 ug/Kg

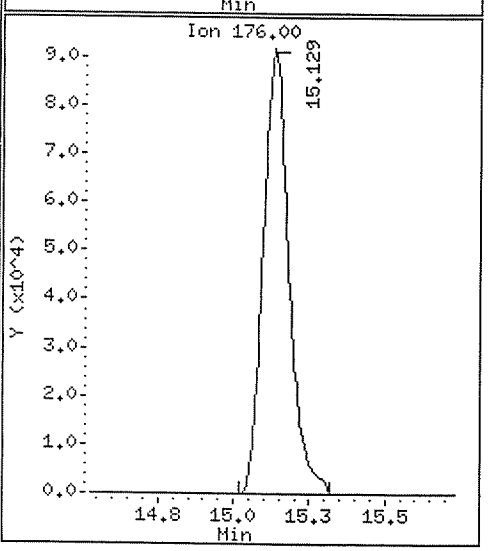


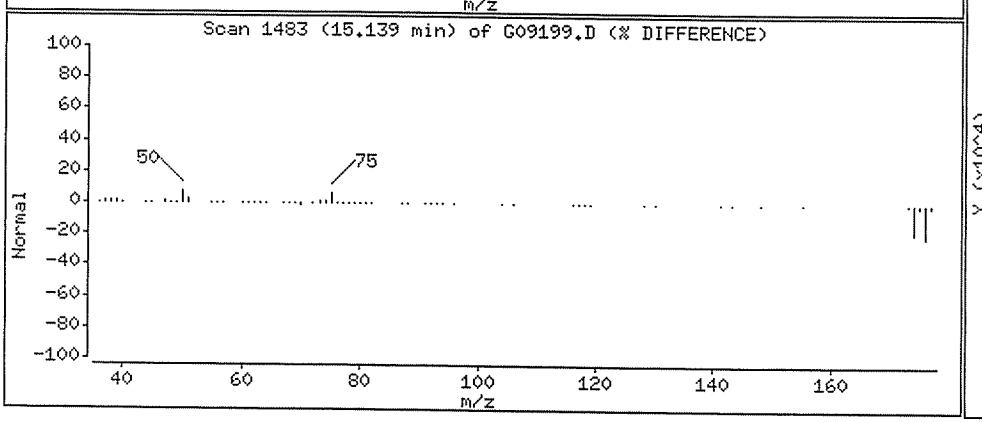












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09199.D

Date : 22-OCT-2000 19:37

Client ID: G09199

Instrument: mg.i

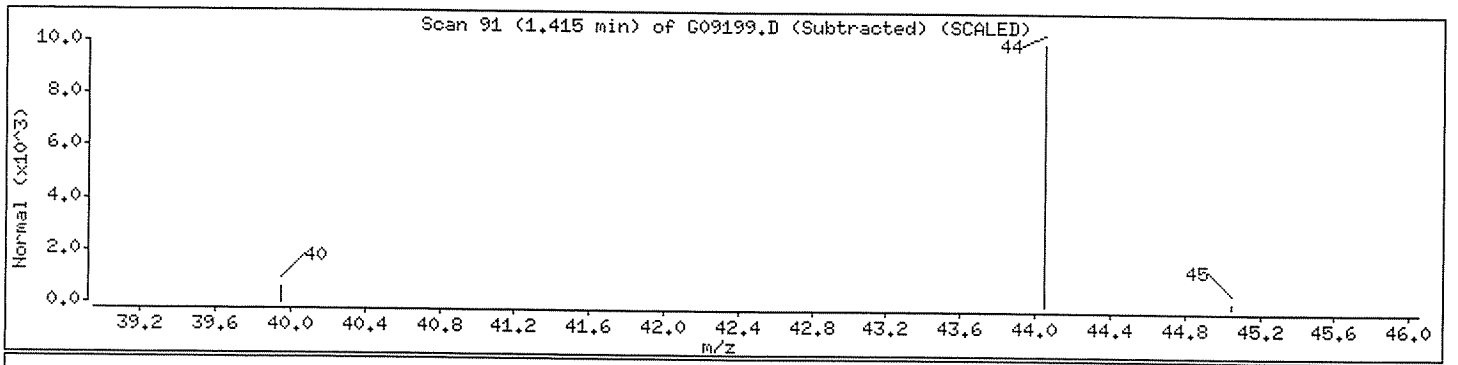
Sample Info: DM1AR1AC,,2,,0,1,0,8260BGS.M,G09199

Operator: RRT

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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09200.D
Lab Smp Id: DM1AV1AC Client Smp ID: G09200
Inj Date : 22-OCT-2000 20:11
Operator : RRT Inst ID: mg.i
Smp Info : DM1AV1AC,,2,,0,1,0,8260BGS.M,G09200
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.056	3.035	(0.418)	16862	7.52765	7.53
$ 29 Dibromofluoromethane	111	6.191	6.180	(0.847)	760968	57.0601	57.06
$ 33 1,2-Dichloroethane-d4	65	6.723	6.703	(0.920)	588519	55.6275	55.63
34 1,2-Dichloroethane-d4 2nd	102	6.733	6.713	(0.922)	100956	60.5753	60.58
* 38 Fluorobenzene	96	7.305	7.265	(1.000)	1157925	50.0000	
$ 47 Toluene-d8	98	10.105	10.104	(0.790)	1177666	53.3588	53.36
* 56 Chlorobenzene-d5	117	12.797	12.806	(1.000)	893970	50.0000	
$ 67 4-Bromofluorobenzene	95	15.123	15.123	(0.867)	900597	56.6333	56.63
66 4-Bromofluorobenzene-2nd	174	15.123	15.132	(0.867)	502765	55.6000	55.60
* 79 1,4-Dichlorobenzene-d4	152	17.440	17.439	(1.000)	485394	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09200.D
Lab Smp Id: DM1AV1AC Client Smp ID: G09200
Inj Date : 22-OCT-2000 20:11
Operator : RRT Inst ID: mg.i
Smp Info : DM1AV1AC,,2,,0,1,0,8260BGS.M,G09200
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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	7.305	2902628	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.449	1172253	20.1929523	20.19	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1AV1AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09200
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

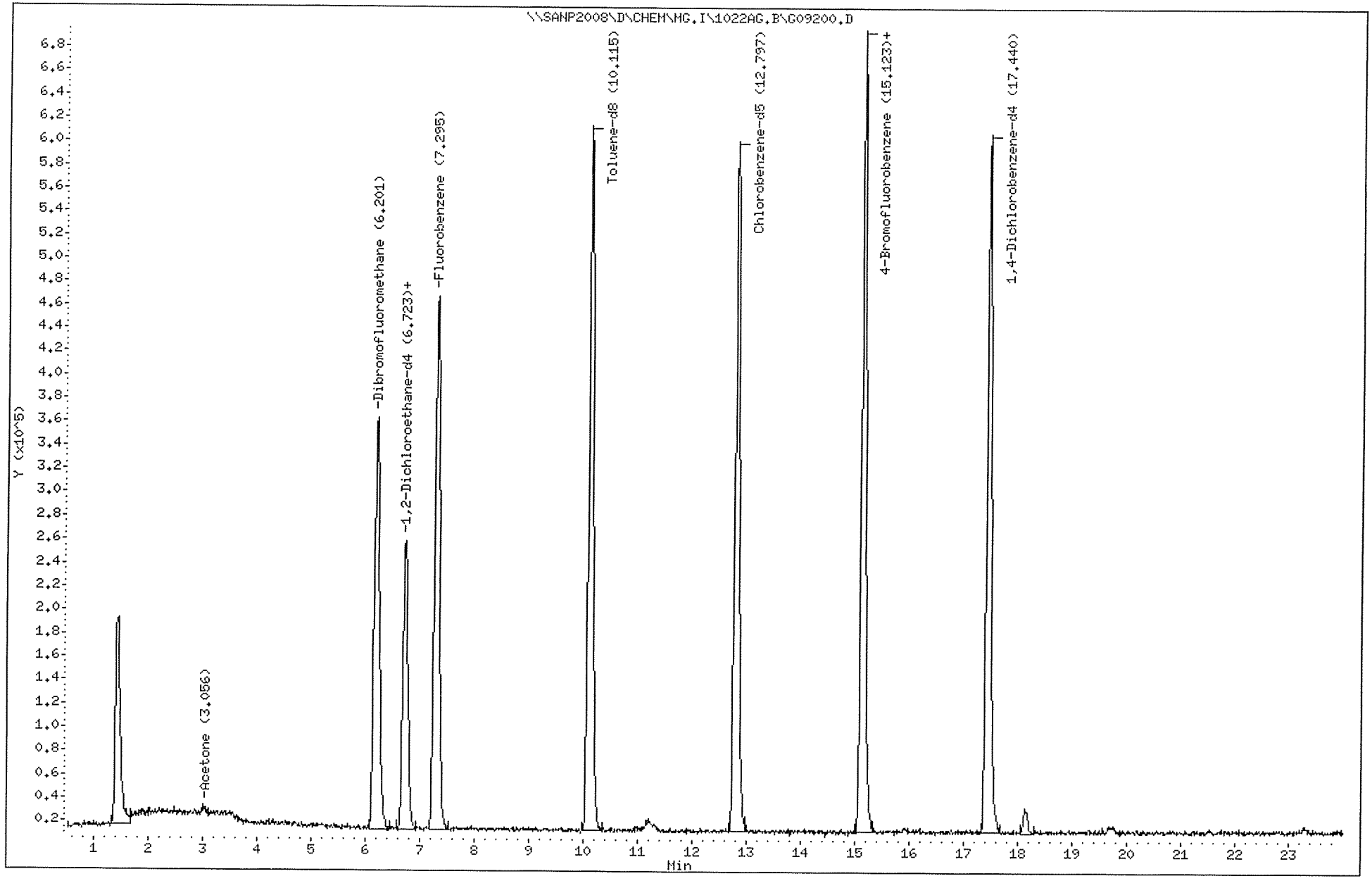
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.449	20.19	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09200.D
Date : 22-OCT-2000 20:11
Client ID: G09200
Sample Info: DM1AV1AC,,2,,0,1,0,8260BGS.M,G09200

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



000705

BOE-C6-0165320

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09200.D

Date : 22-OCT-2000 20:11

Client ID: G09200

Instrument: mg.i

Sample Info: DM1AV1AC,,2,,0,1,0,8260BGS.M,G09200

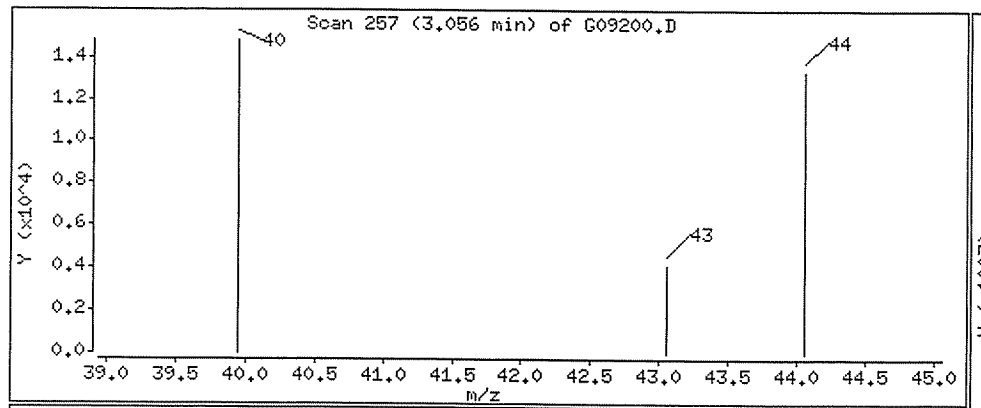
Operator: RRT

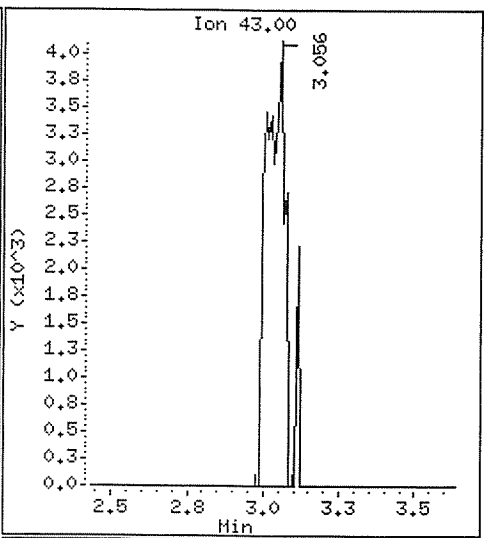
Column phase: J&W DB-624

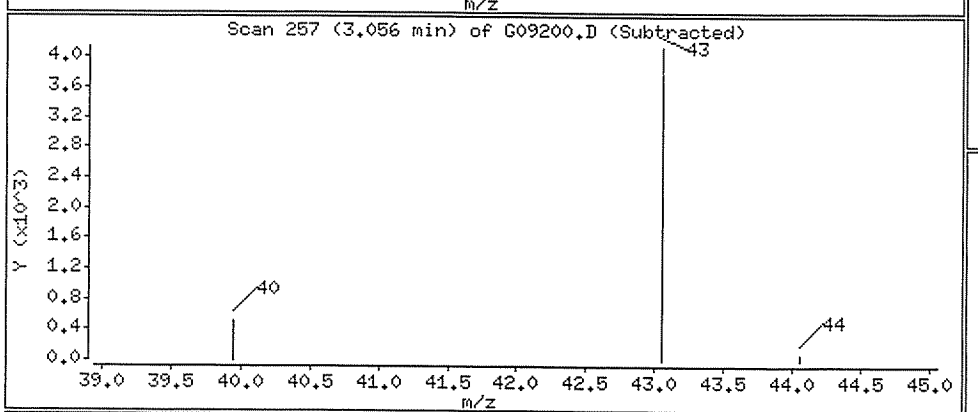
Column diameter: 0.53

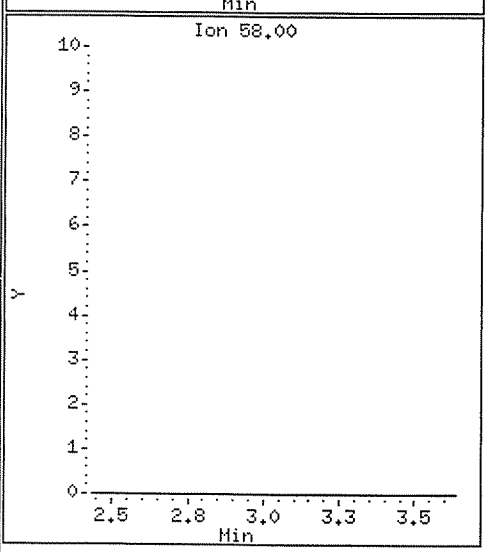
10 Acetone

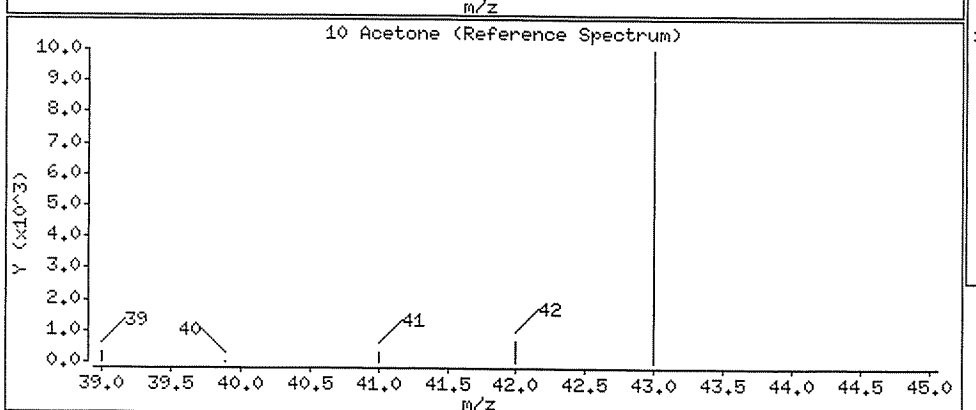
Concentration: 7.53 ug/Kg

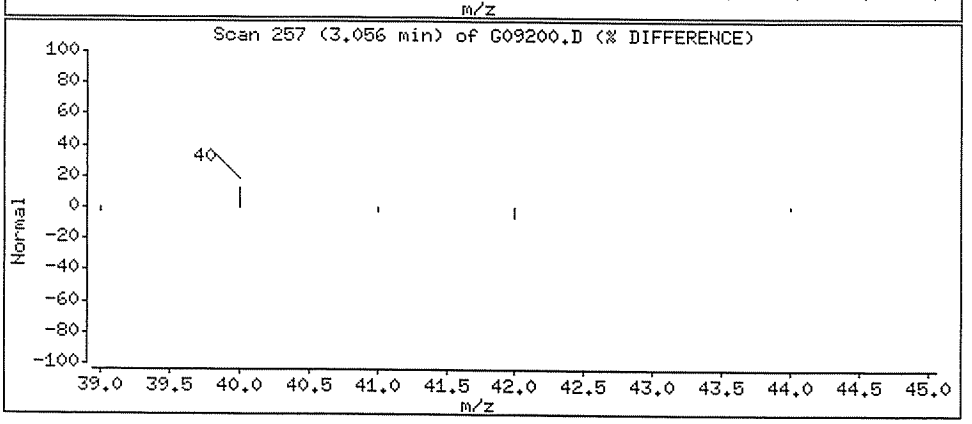












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09200.D

Date : 22-OCT-2000 20:11

Client ID: G09200

Instrument: mg.i

Sample Info: DM1AV1AC,,2,,0,1,0,8260BGS.M,G09200

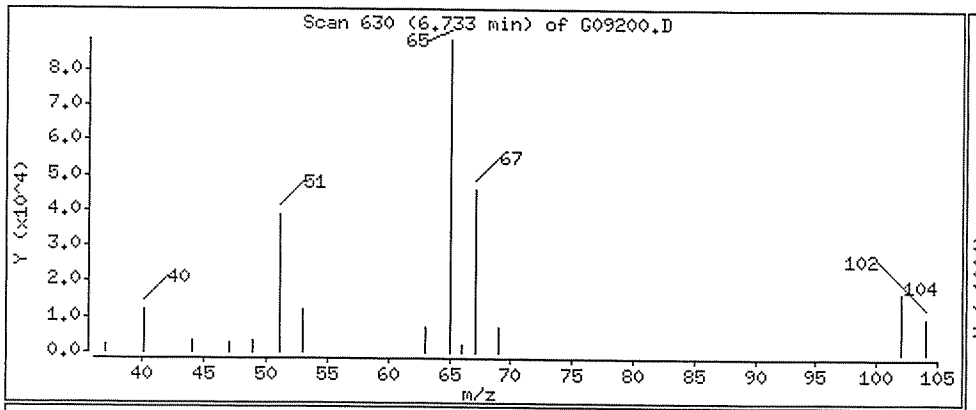
Operator: RRT

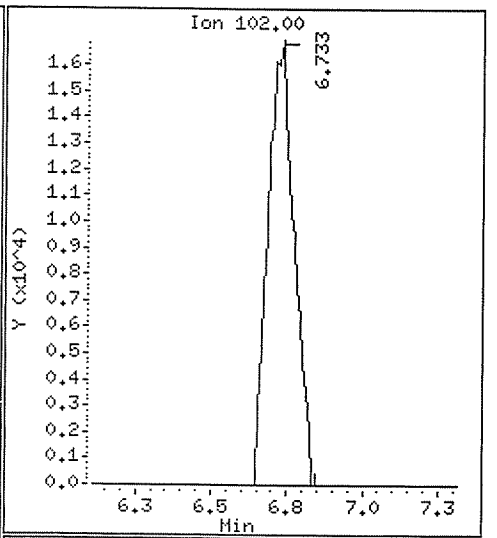
Column phase: J&W DB-624

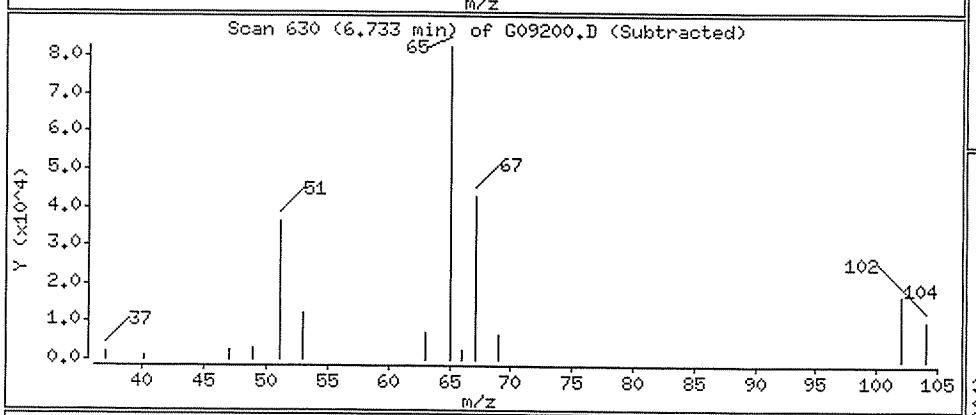
Column diameter: 0.53

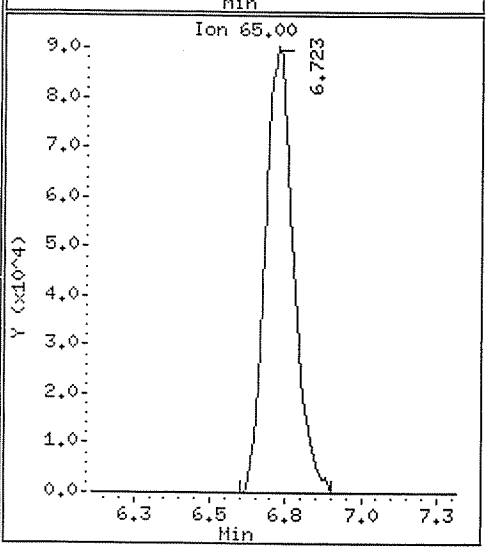
34 1,2-Dichloroethane-d4 2nd

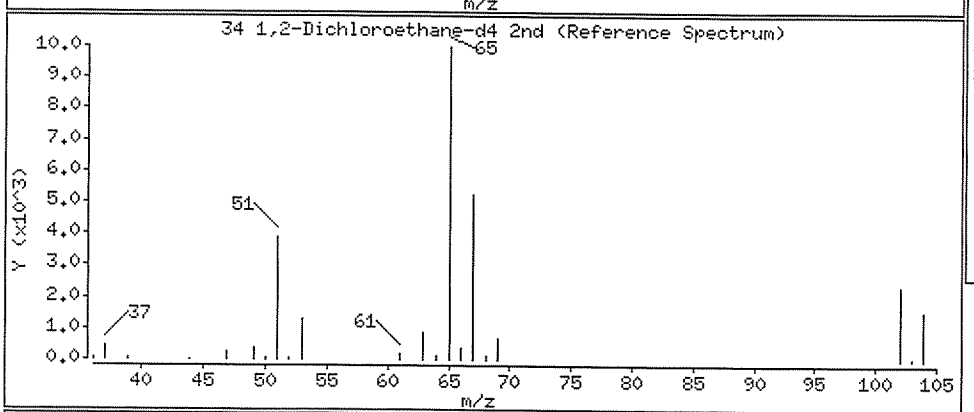
Concentration: 60.58 ug/Kg

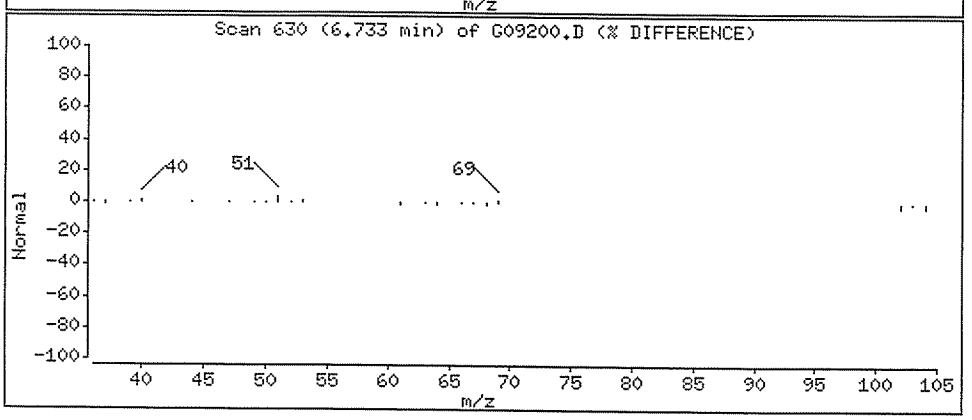












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09200.D

Date : 22-OCT-2000 20:11

Client ID: G09200

Instrument: mg.i

Sample Info: DM1AV1AC,,2,,0,1,0,8260BGS.M,G09200

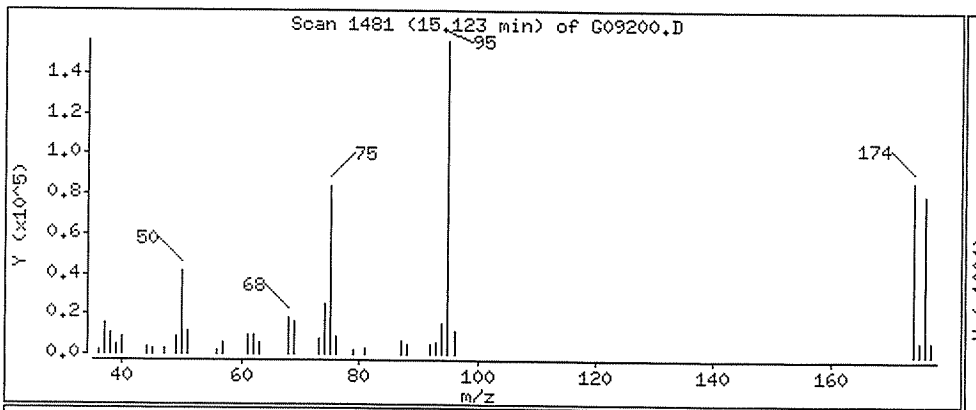
Operator: RRT

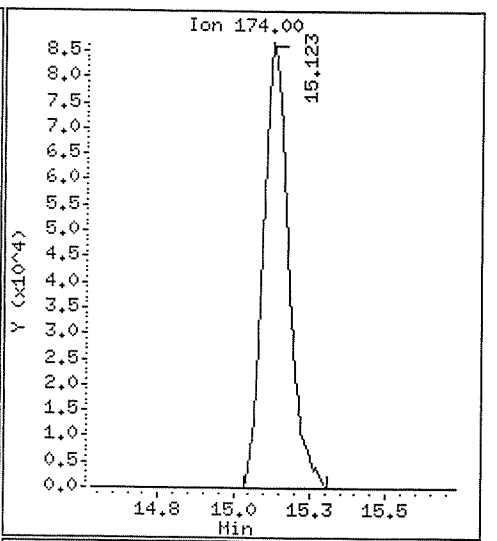
Column phase: J&W DB-624

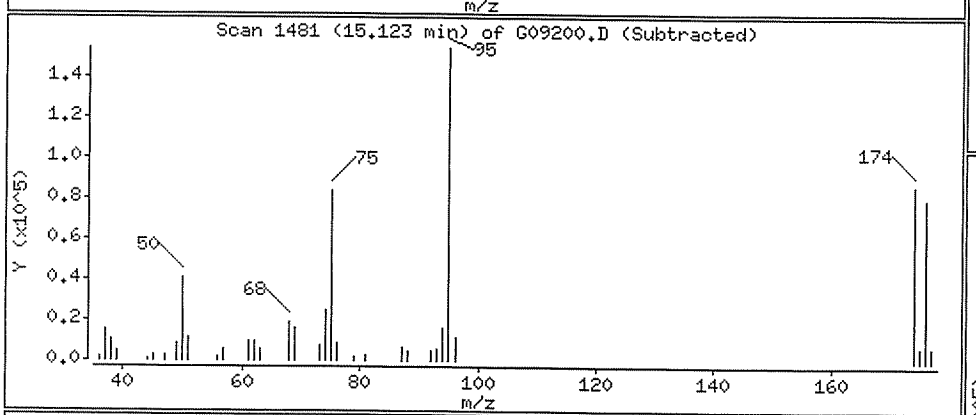
Column diameter: 0.53

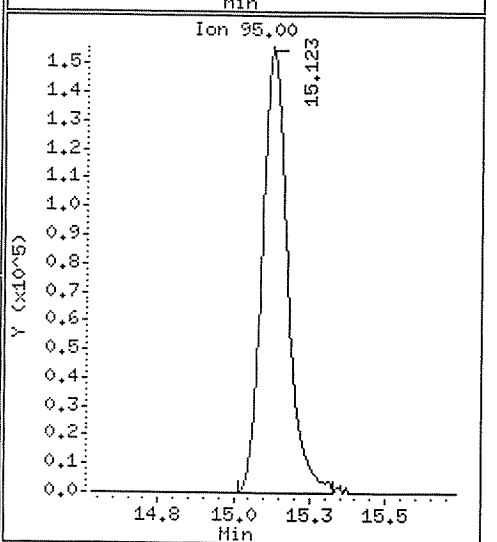
66 4-Bromofluorobenzene-2nd

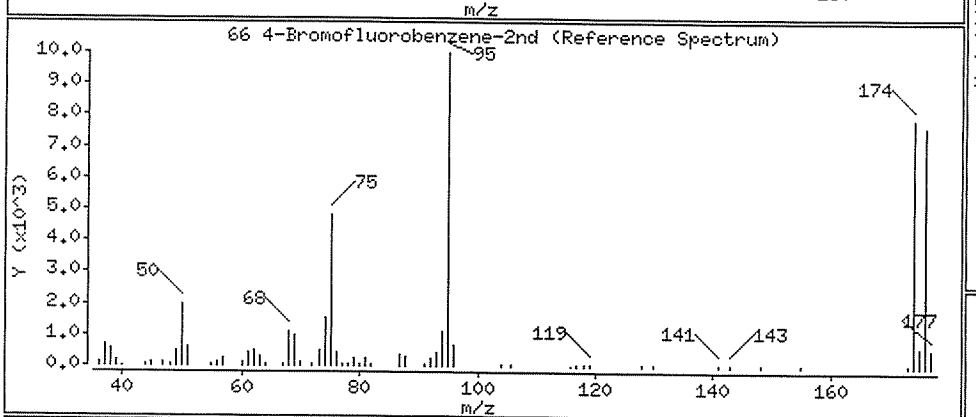
Concentration: 55.60 ug/Kg

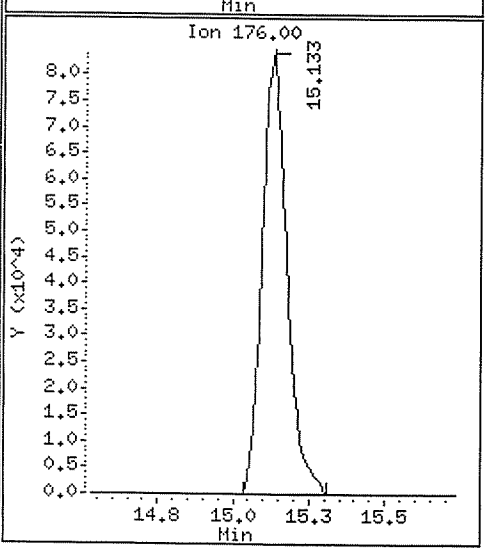


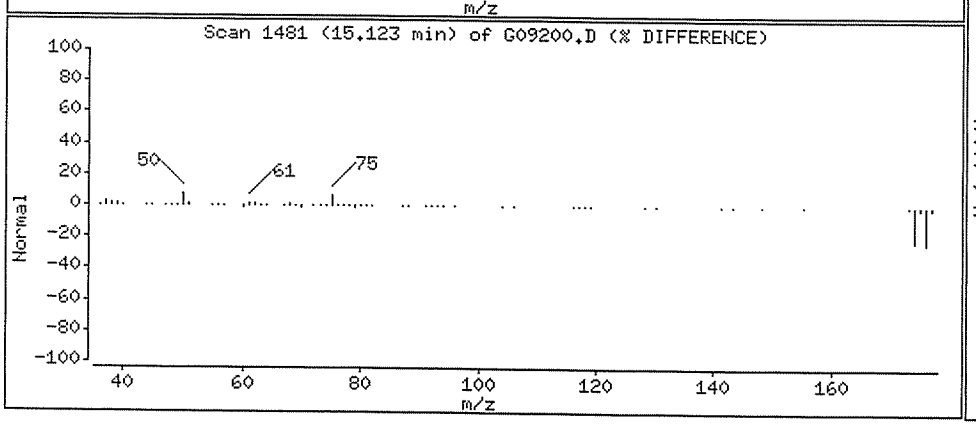












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09200.D

Date : 22-OCT-2000 20:11

Client ID: G09200

Instrument: mg.i

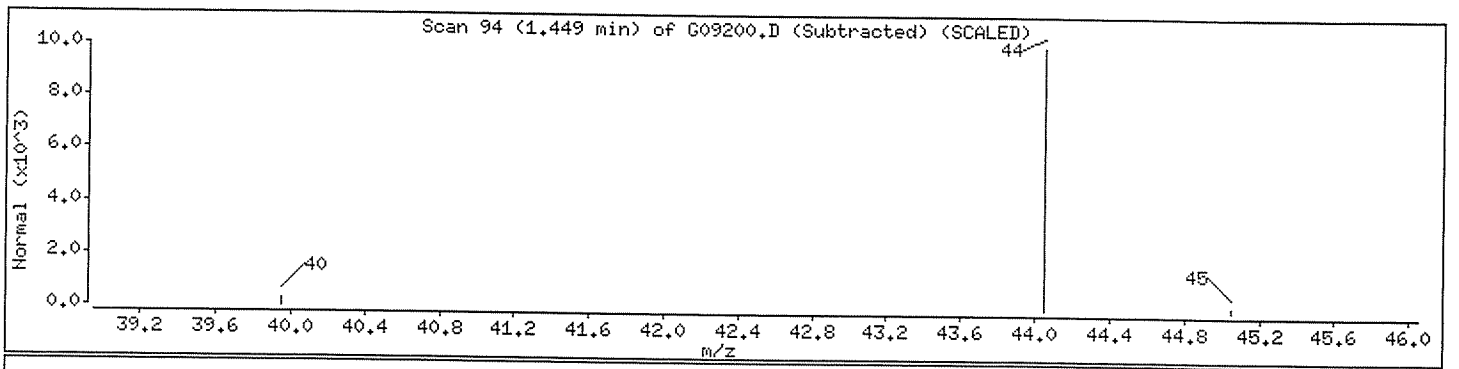
Sample Info: DM1AV1AC,,2,,0,1,0,8260BGS.M,G09200

Operator: RRT

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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09201.D
Lab Smp Id: DM1AX1AC Client Smp ID: G09201
Inj Date : 22-OCT-2000 20:45
Operator : RRT Inst ID: mg.i
Smp Info : DM1AX1AC,,2,,0,1,0,8260BGS.M,G09201
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.020	3.035	(0.415)	26448	9.77069	9.77
$ 29 Dibromofluoromethane	111	6.165	6.180	(0.848)	852780	52.9160	52.92
$ 33 1,2-Dichloroethane-d4	65	6.697	6.703	(0.921)	719807	56.3028	56.30
34 1,2-Dichloroethane-d4 2nd	102	6.697	6.713	(0.921)	128619	63.8635	63.86
* 38 Fluorobenzene	96	7.269	7.265	(1.000)	1399253	50.0000	
39 Trichloroethene	130	7.900	7.906	(1.087)	51639	4.92710	4.93(a)
$ 47 Toluene-d8	98	10.099	10.104	(0.790)	1356682	49.2696	49.27
* 56 Chlorobenzene-d5	117	12.790	12.806	(1.000)	1115337	50.0000	
$ 67 4-Bromofluorobenzene	95	15.127	15.123	(0.867)	1076328	51.8473	51.85
66 4-Bromofluorobenzene-2nd	174	15.137	15.132	(0.868)	599801	50.8108	50.81
* 79 1,4-Dichlorobenzene-d4	152	17.444	17.439	(1.000)	633657	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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09201.D
Lab Smp Id: DM1AX1AC Client Smp ID: G09201
Inj Date : 22-OCT-2000 20:45
Operator : RRT Inst ID: mg.i
Smp Info : DM1AX1AC,,2,,0,1,0,8260BGS.M,G09201
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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	7.269	3561417	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.412	1081315	15.1809572	15.18	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1AX1AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09201
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

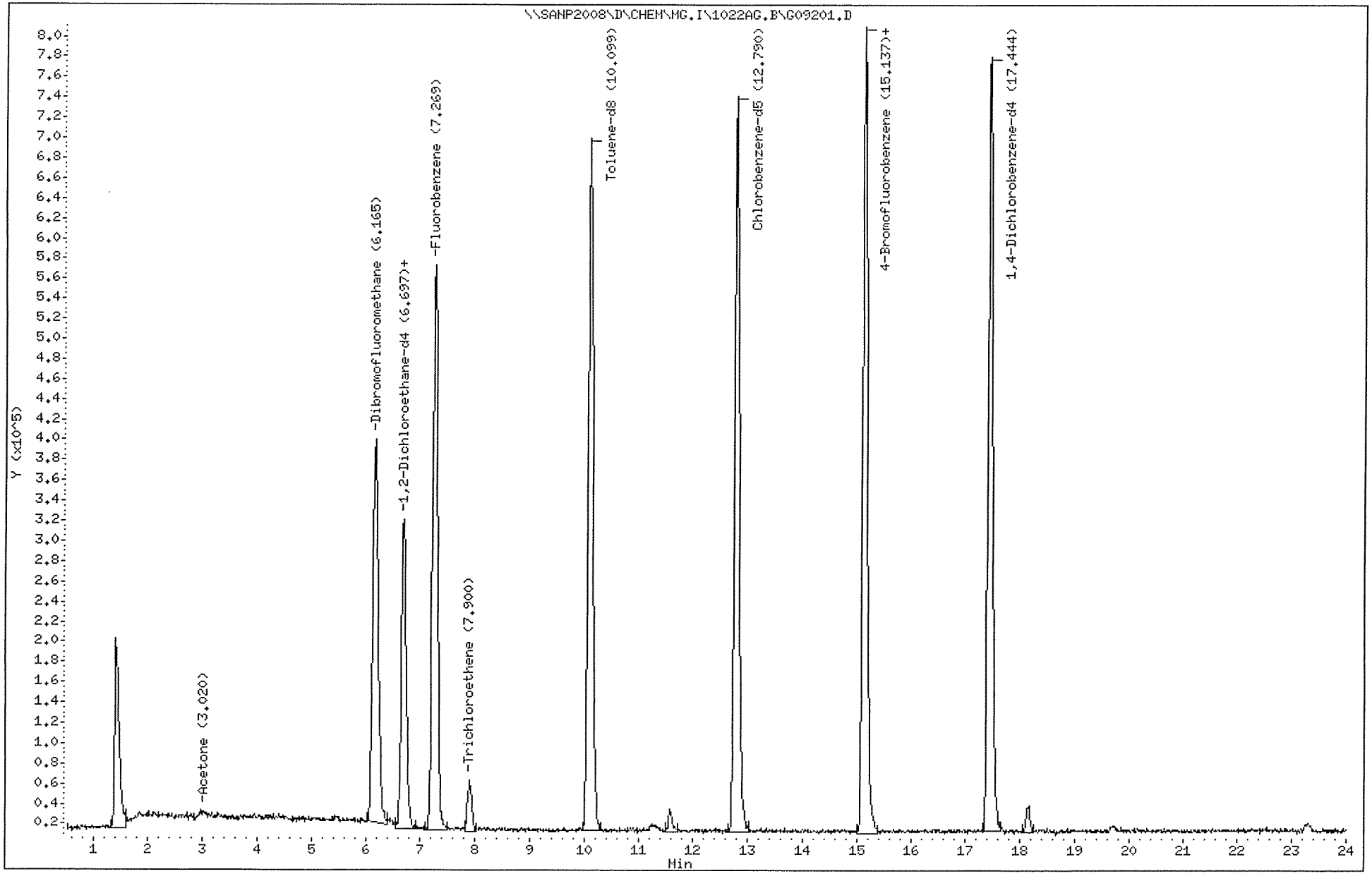
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.412	15.18	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09201.D
Date : 22-OCT-2000 20:45
Client ID: G09201
Sample Info: DM1AX1AC,,2,,0,1,0,8260BGS.M,G09201

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



000714

BOE-C6-0165329

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09201.D

Date : 22-OCT-2000 20:45

Client ID: G09201

Instrument: mg.i

Sample Info: DM1AX1AC,,2,,0,1,0,8260BGS.M,G09201

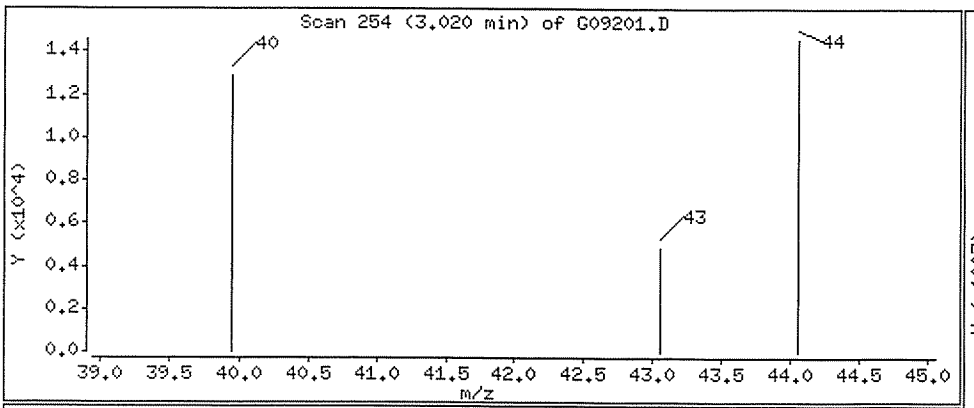
Operator: RRT

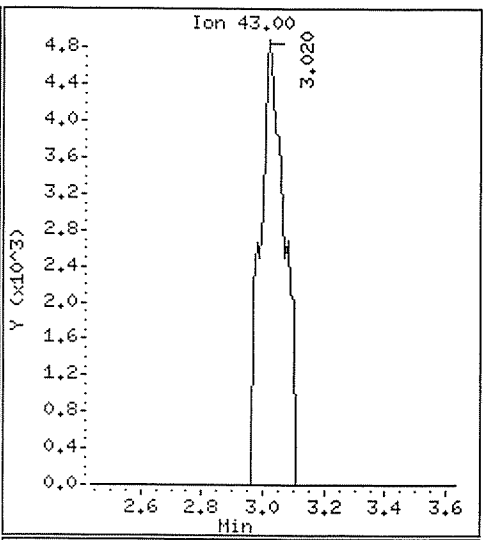
Column phase: J&W DB-624

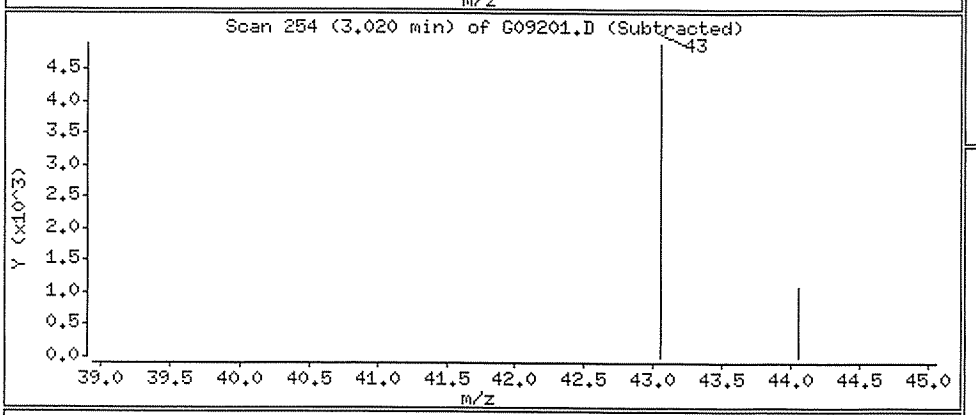
Column diameter: 0.53

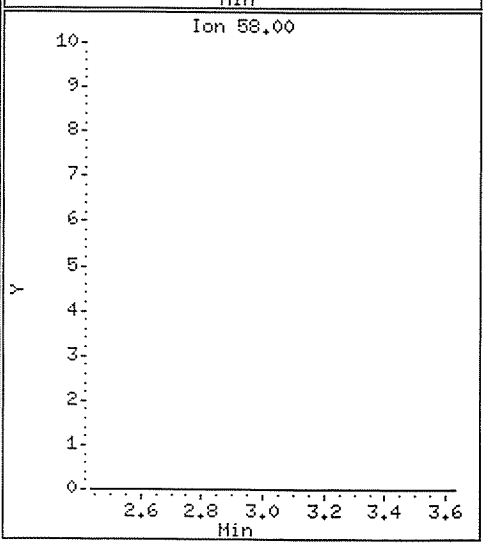
10 Acetone

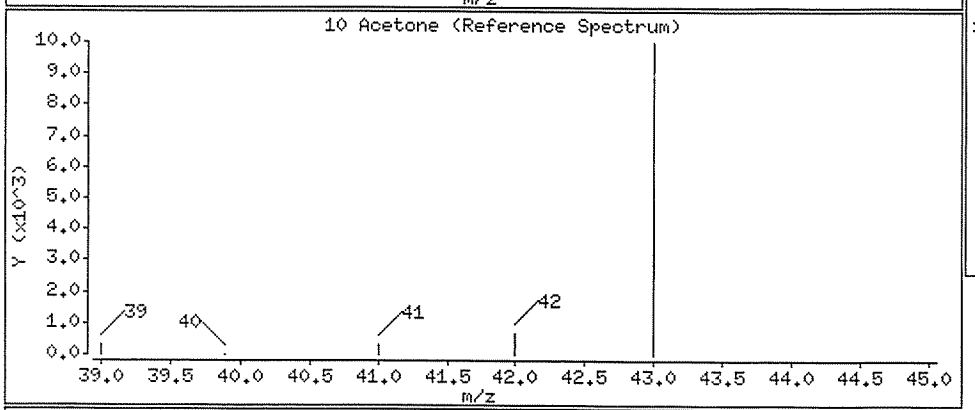
Concentration: 9.77 ug/Kg

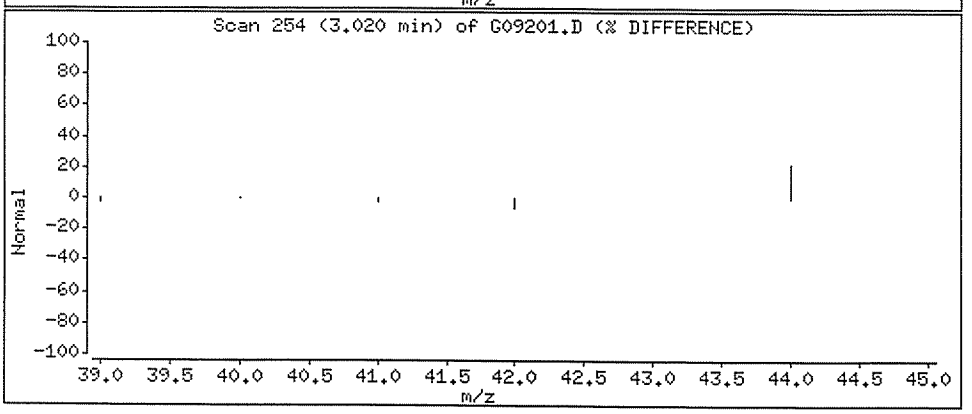












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09201.D

Date : 22-OCT-2000 20:45

Client ID: G09201

Instrument: mg.i

Sample Info: DM1AX1AC,,2,,0,1,0,8260BGS.M,G09201

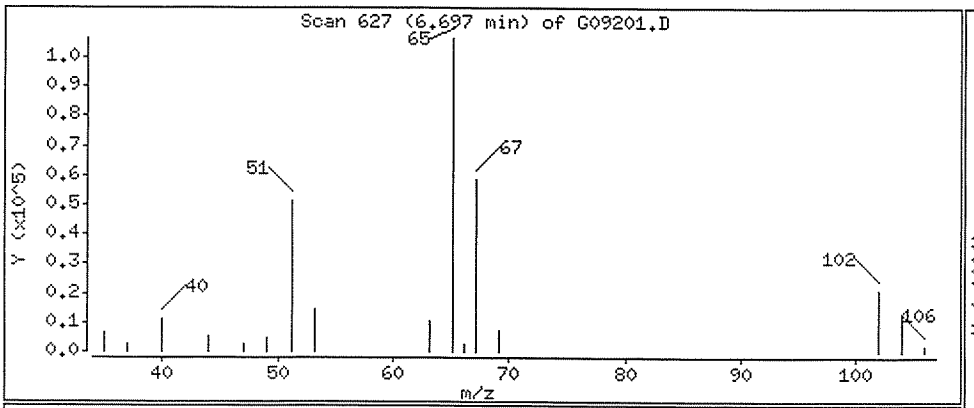
Operator: RRT

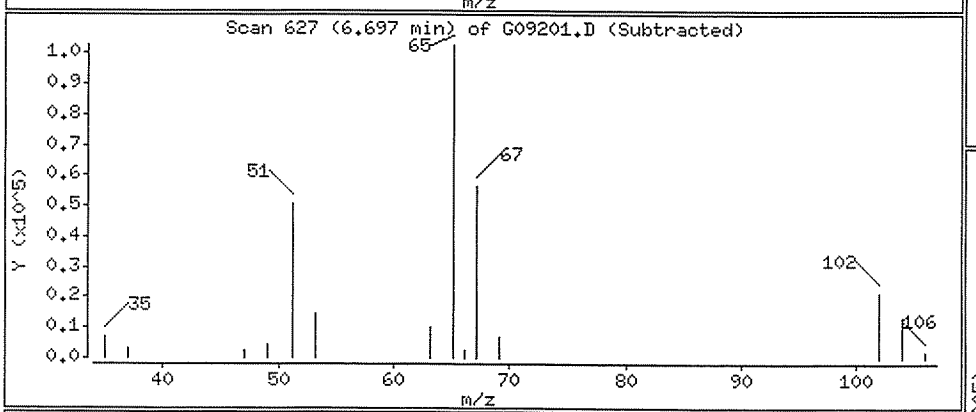
Column phase: J&W DB-624

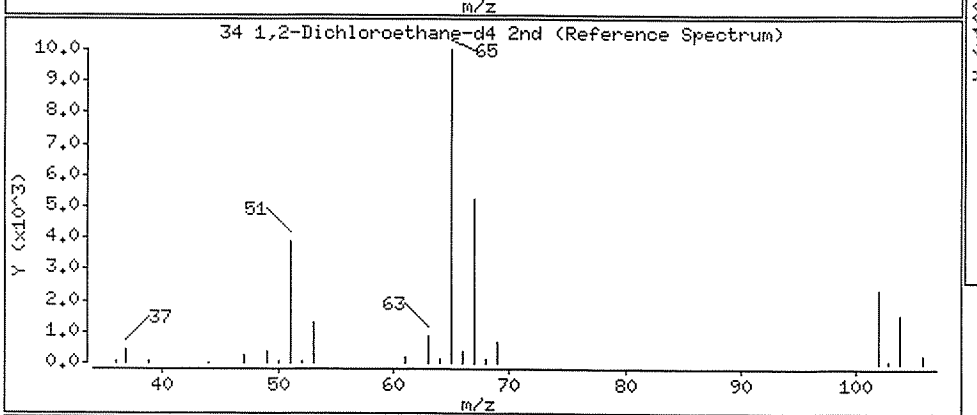
Column diameter: 0.53

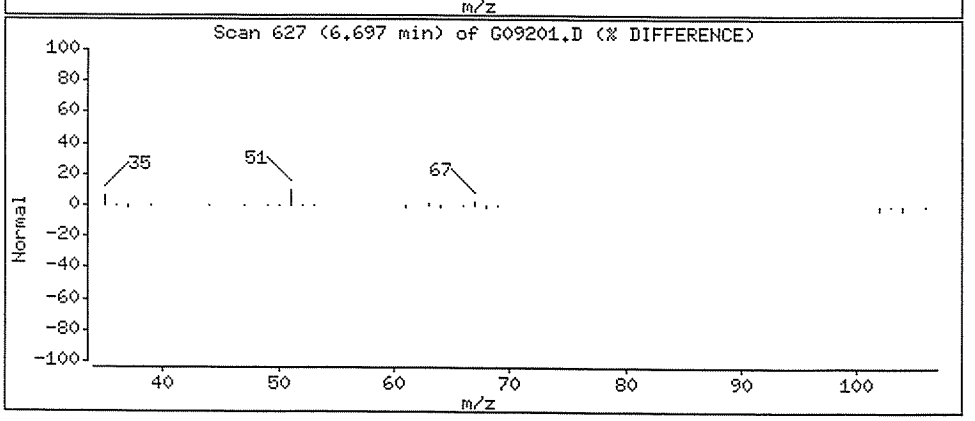
34 1,2-Dichloroethane-d4 2nd

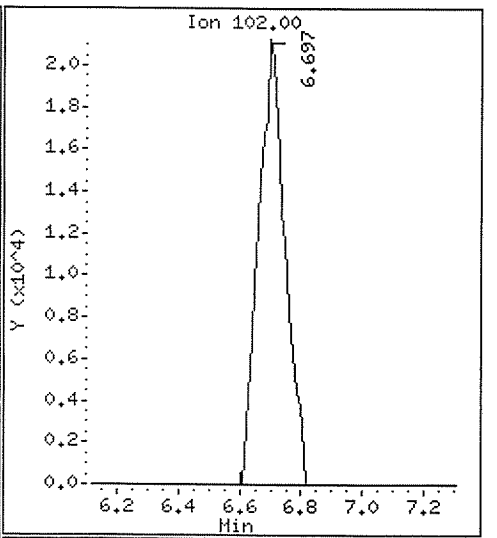
Concentration: 63.86 ug/Kg

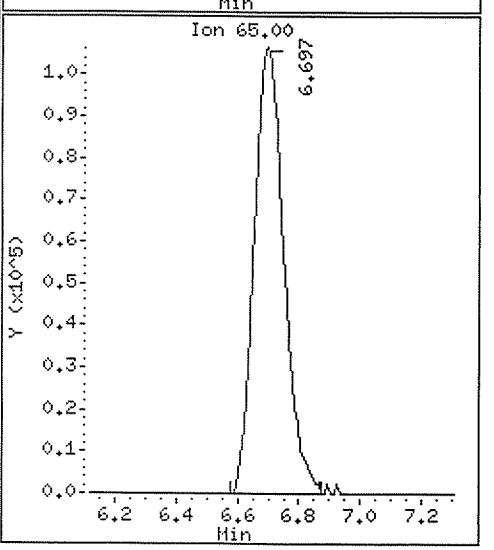












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09201.D

Date : 22-OCT-2000 20:45

Client ID: G09201

Instrument: mg.i

Sample Info: DM1AX1AC,,2,,0,1,0,8260BGS.M,G09201

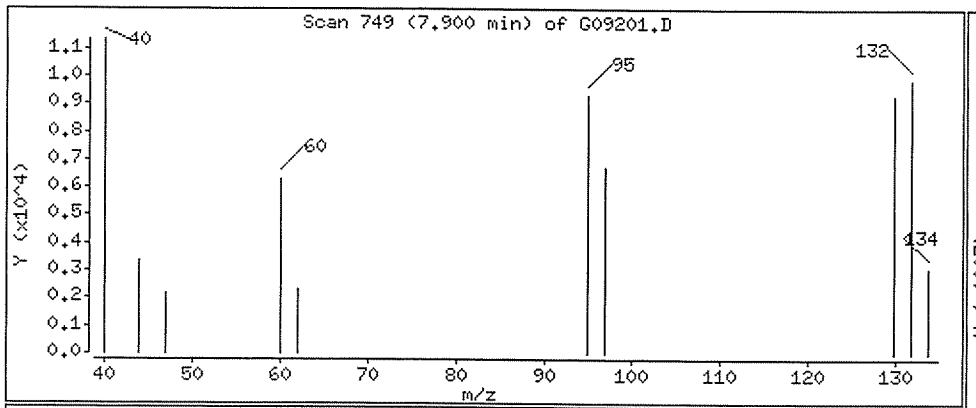
Operator: RRT

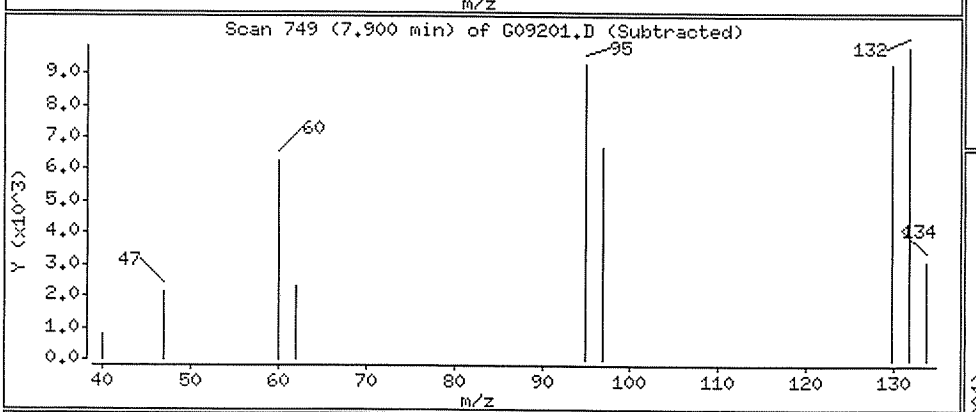
Column phase: J&W DB-624

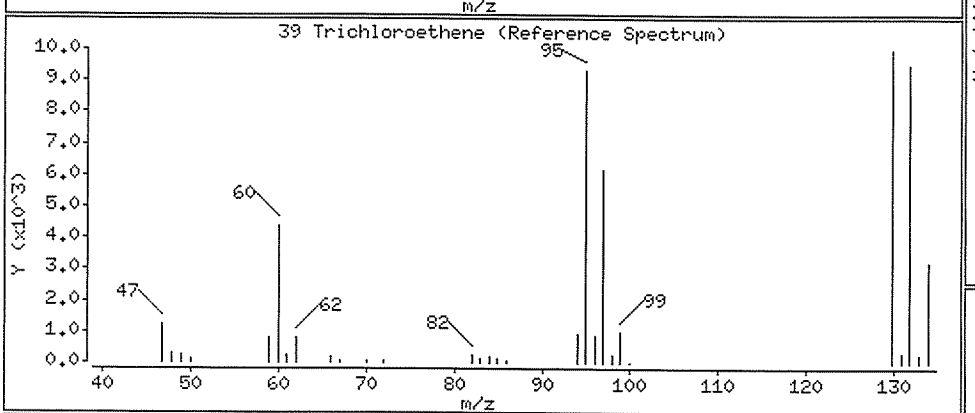
Column diameter: 0.53

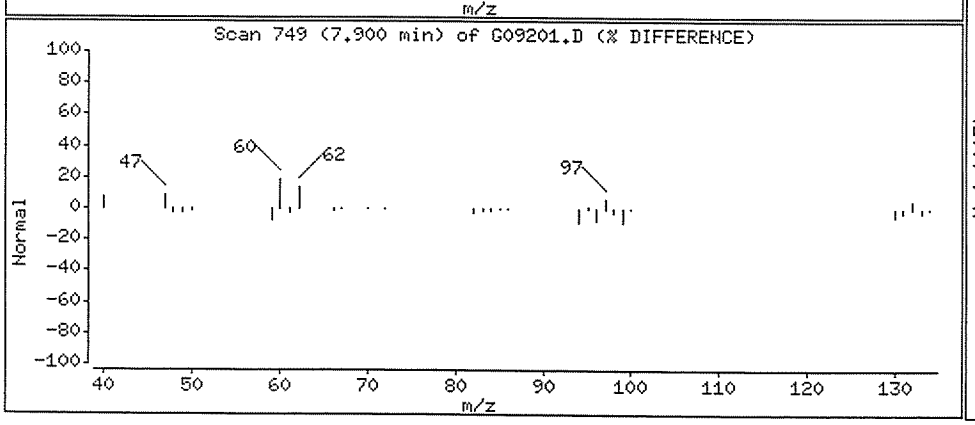
39 Trichloroethene

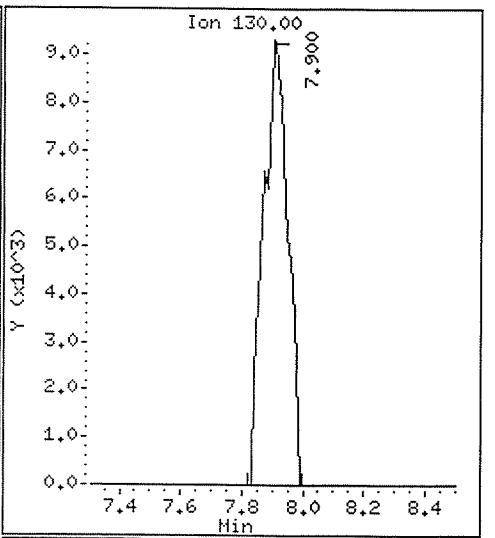
Concentration: 4.93 ug/Kg

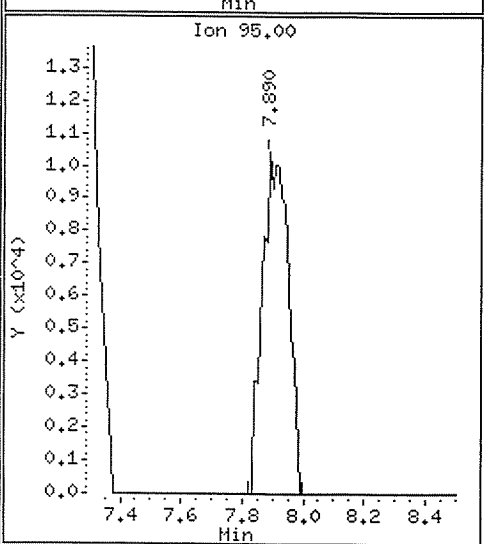


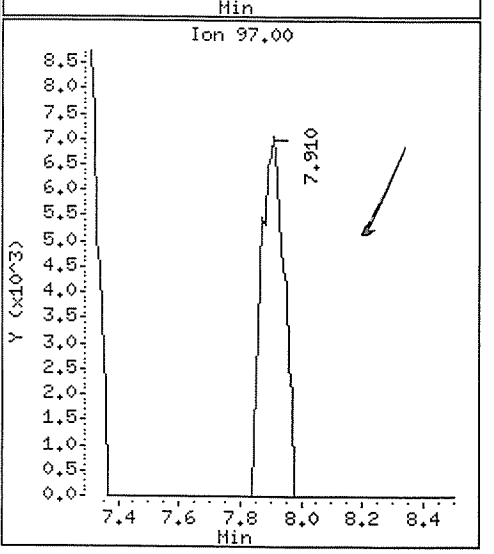












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09201.D

Date : 22-OCT-2000 20:45

Client ID: G09201

Instrument: mg.i

Sample Info: DM1AX1AC,,2,,0,1,0,8260BGS.M,G09201

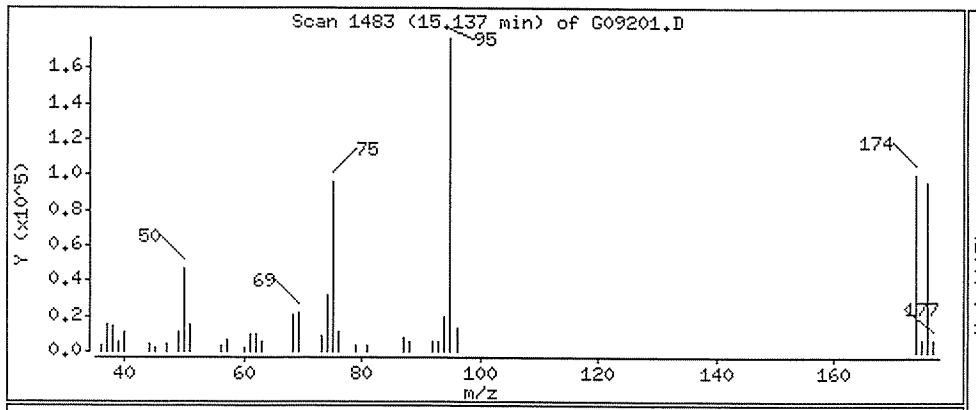
Operator: RRT

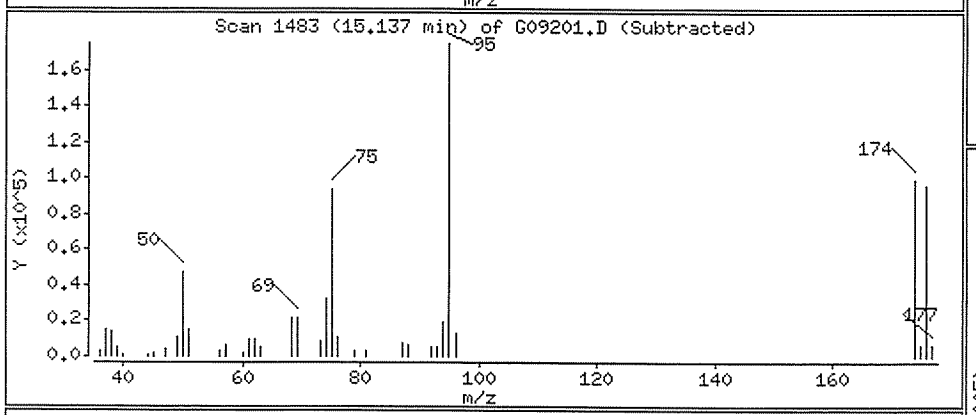
Column phase: J&W DB-624

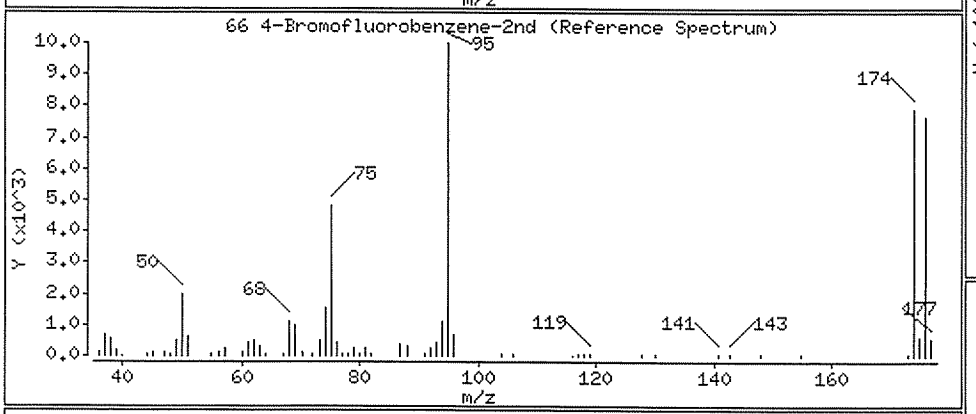
Column diameter: 0.53

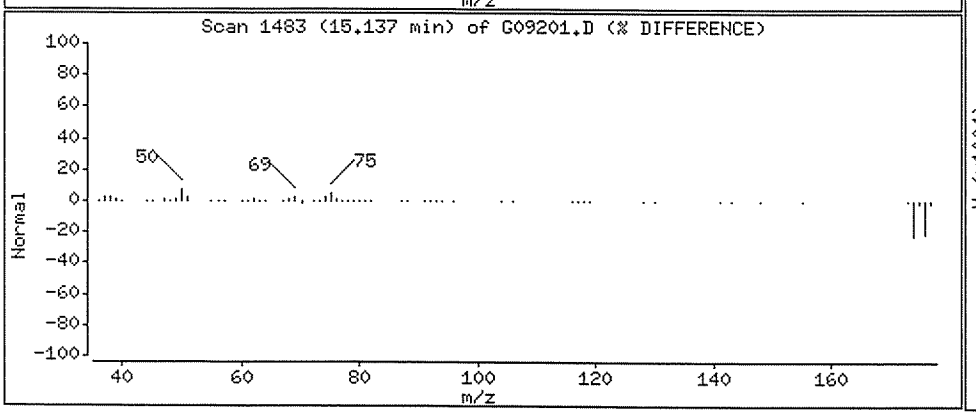
66 4-Bromofluorobenzene-2nd

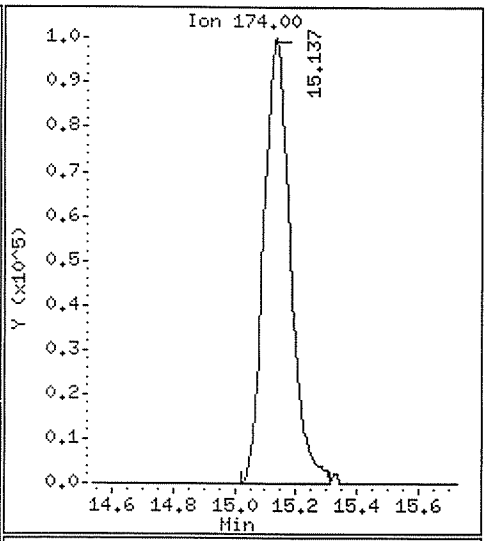
Concentration: 50.81 ug/Kg

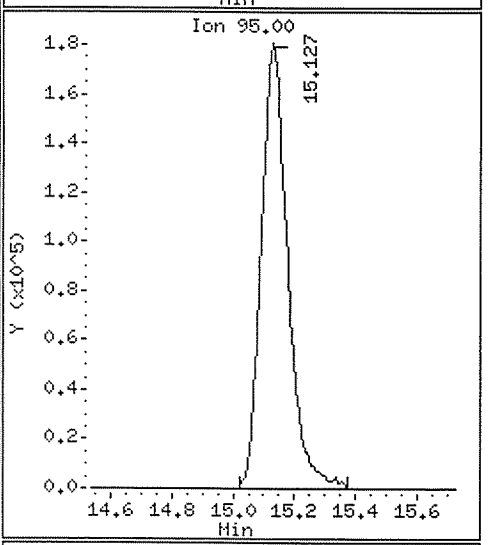


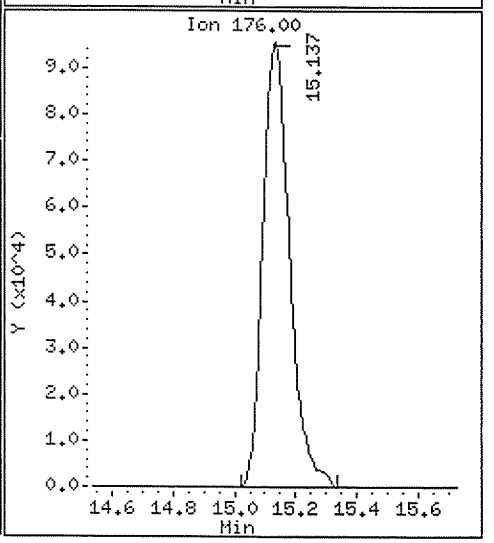












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09201.D

Date : 22-OCT-2000 20:45

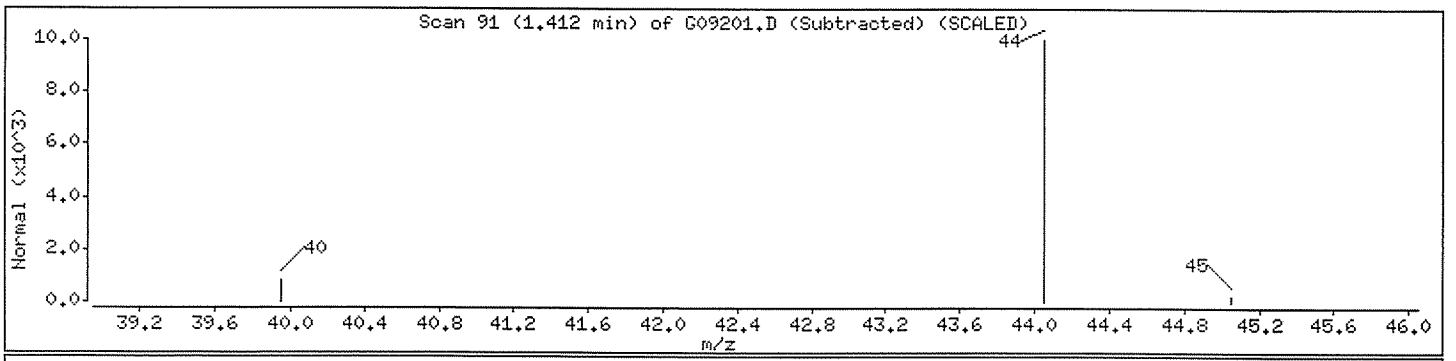
Client ID: G09201 Instrument: mg.i

Sample Info: DM1AX1AC,,2,,0,1,0,8260BGS.M,G09201

Operator: RRT

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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09202.D
Lab Smp Id: DM1A11AC Client Smp ID: G09202
Inj Date : 22-OCT-2000 21:20
Operator : RRT Inst ID: mg.i
Smp Info : DM1A11AC,,2,,0,1,0,8260BGS.M,G09202
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.020	3.035	(0.416)	17000	6.50447	6.50
$ 29 Dibromofluoromethane	111	6.165	6.180	(0.849)	842119	54.1180	54.12
$ 33 1,2-Dichloroethane-d4	65	6.697	6.703	(0.923)	665101	53.8790	53.88
34 1,2-Dichloroethane-d4 2nd	102	6.688	6.713	(0.921)	112782	57.9970	58.00
* 38 Fluorobenzene	96	7.259	7.265	(1.000)	1351070	50.0000	
$ 47 Toluene-d8	98	10.099	10.104	(0.789)	1357031	51.6772	51.68
* 56 Chlorobenzene-d5	117	12.800	12.806	(1.000)	1063650	50.0000	
$ 67 4-Bromofluorobenzene	95	15.127	15.123	(0.867)	1034549	52.0833	52.08
66 4-Bromofluorobenzene-2nd	174	15.137	15.132	(0.868)	567729	50.2639	50.26
* 79 1,4-Dichlorobenzene-d4	152	17.444	17.439	(1.000)	606301	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09202.D
Lab Smp Id: DM1A11AC Client Smp ID: G09202
Inj Date : 22-OCT-2000 21:20
Operator : RRT Inst ID: mg.i
Smp Info : DM1A11AC,,2,,0,1,0,8260BGS.M,G09202
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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	7.259	3438922	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.413	944955	13.7391172	13.74	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1A11AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09202
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

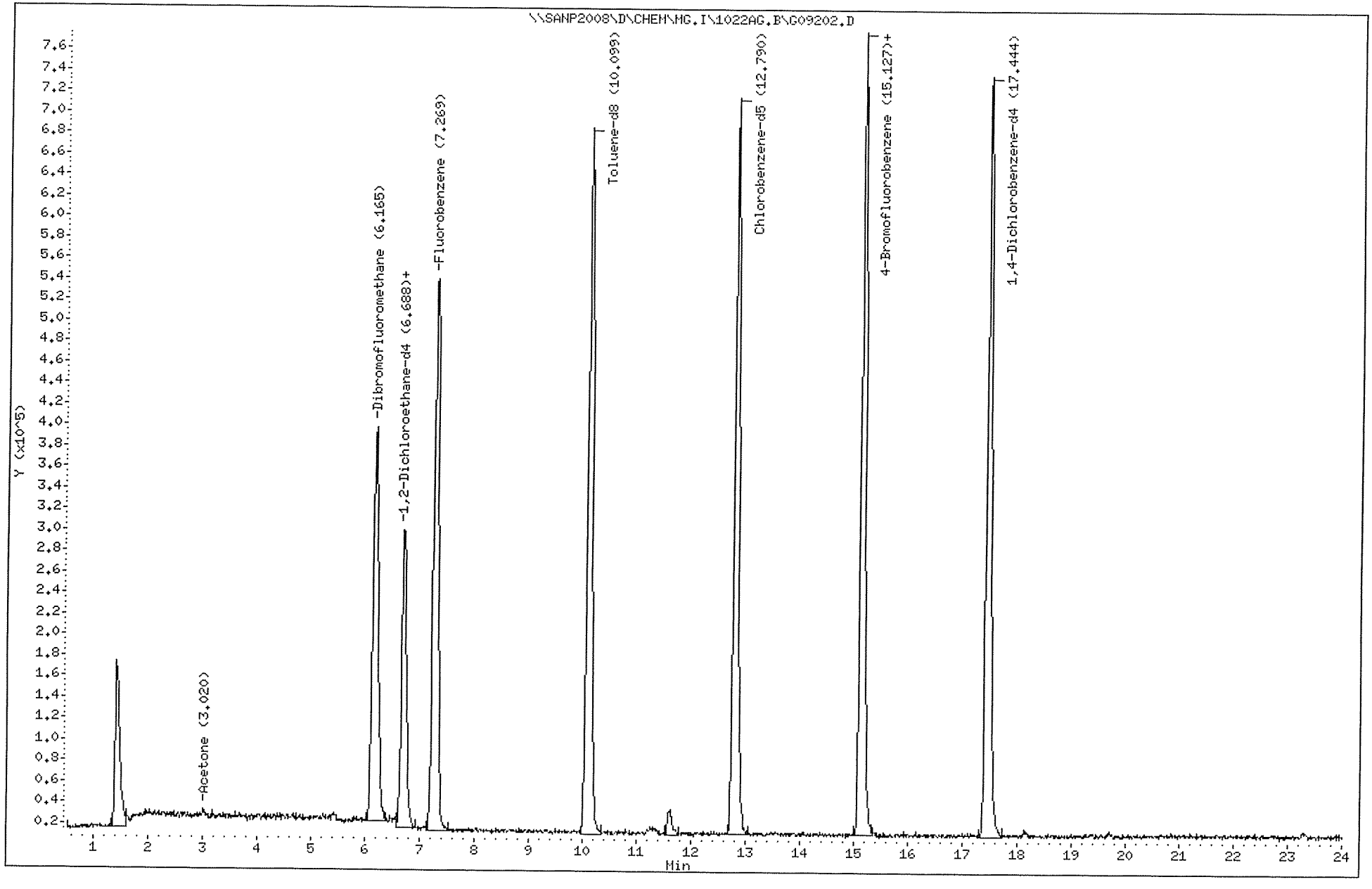
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.413	13.74	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09202.D
Date : 22-OCT-2000 21:20
Client ID: G09202
Sample Info: DM1A11AC,,2,,0,1,0,8260BGS.M,G09202

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



000724

BOE-C6-0165339

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09202.D

Date : 22-OCT-2000 21:20

Client ID: G09202

Instrument: mg.i

Sample Info: DM1A11AC,,2,,0,1,0,8260BGS.M,G09202

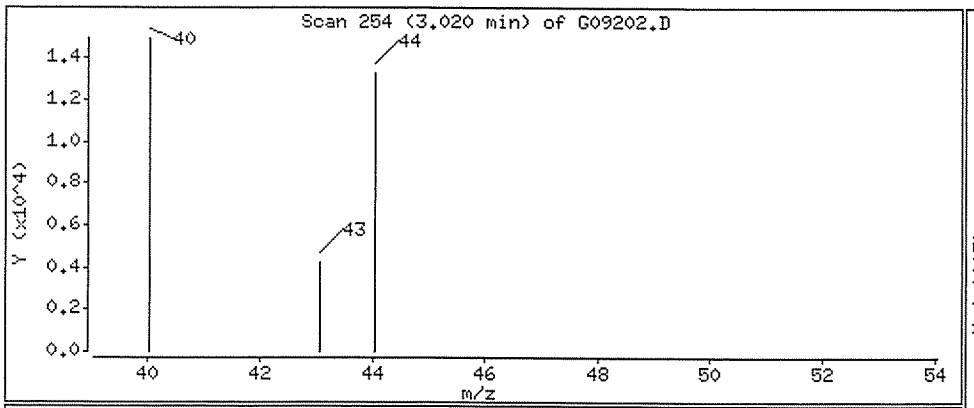
Operator: RRT

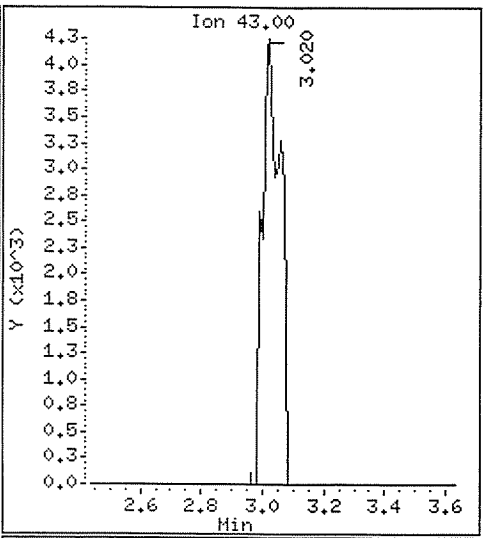
Column phase: J&W DB-624

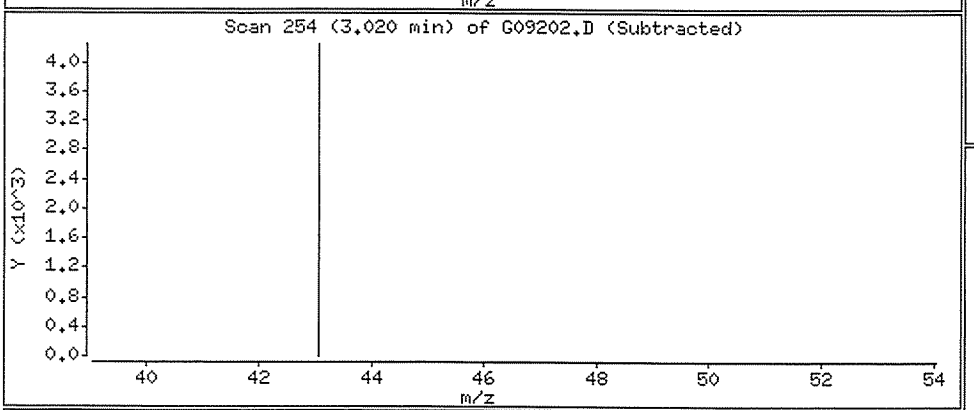
Column diameter: 0.53

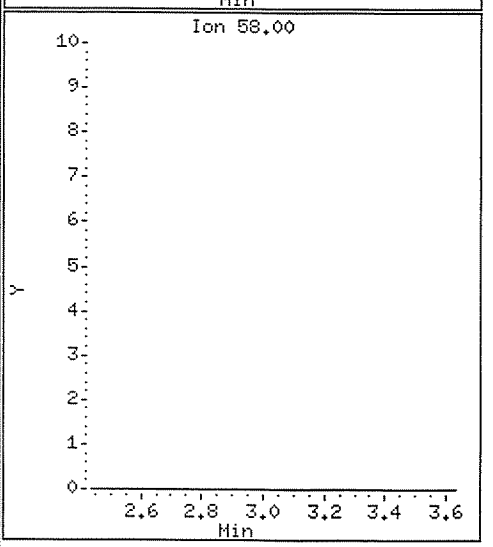
10 Acetone

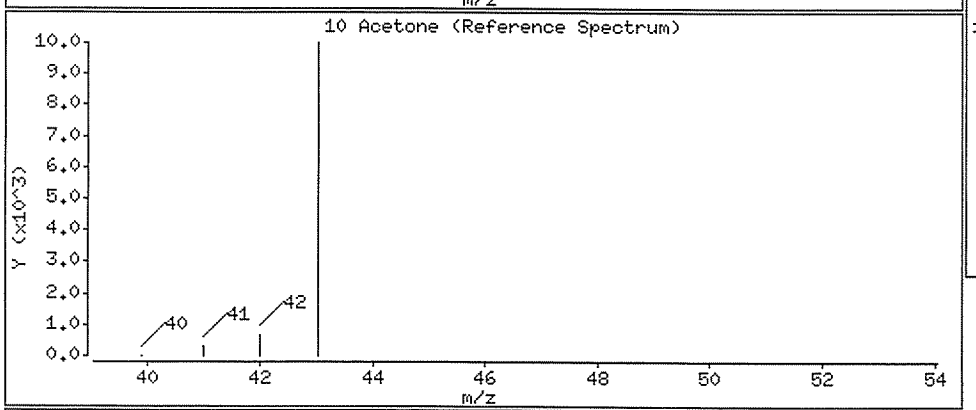
Concentration: 6.50 ug/Kg

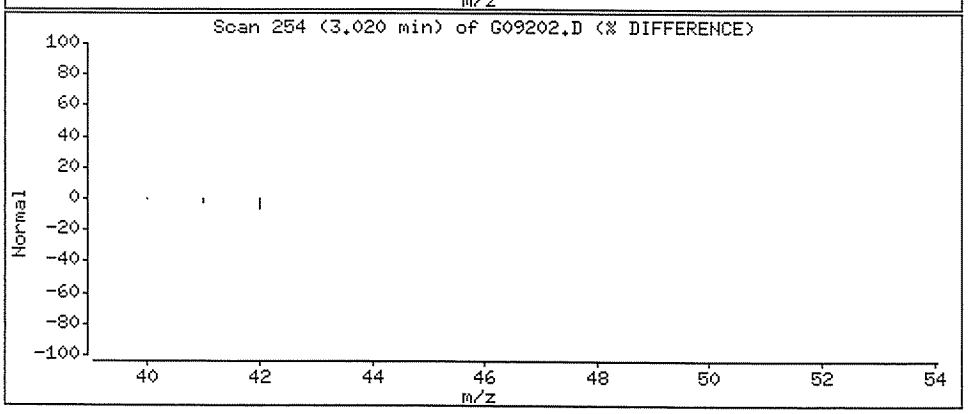












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09202.D

Date : 22-OCT-2000 21:20

Client ID: G09202

Instrument: mg.i

Sample Info: DM1A11AC,,2,,0,1,0,8260BGS.M,G09202

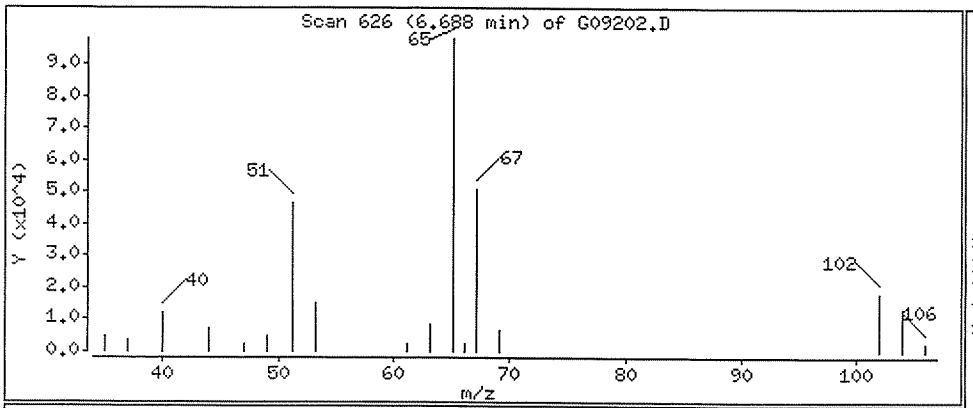
Operator: RRT

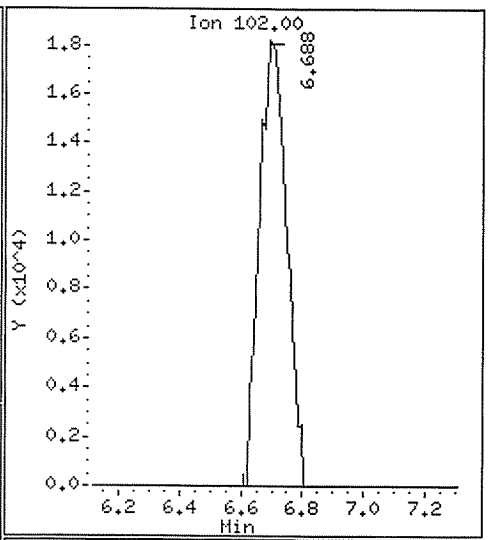
Column phase: J&W DB-624

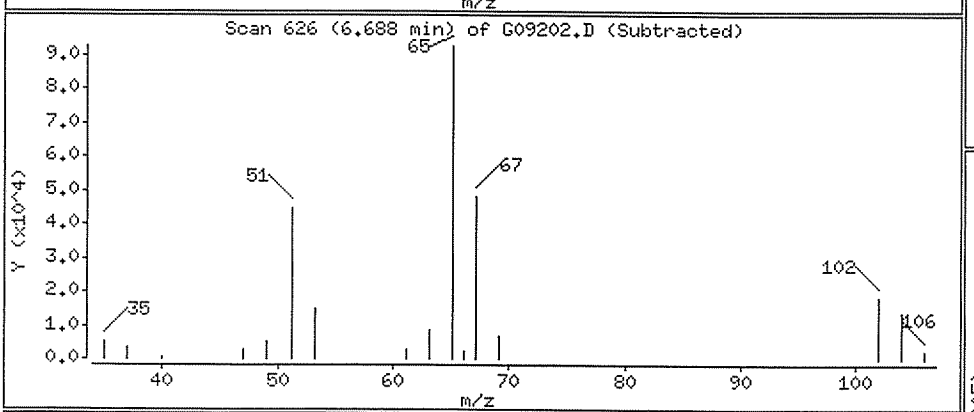
Column diameter: 0.53

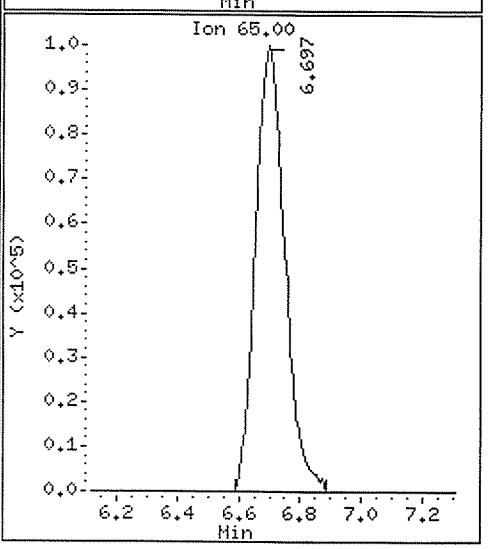
34 1,2-Dichloroethane-d4 2nd

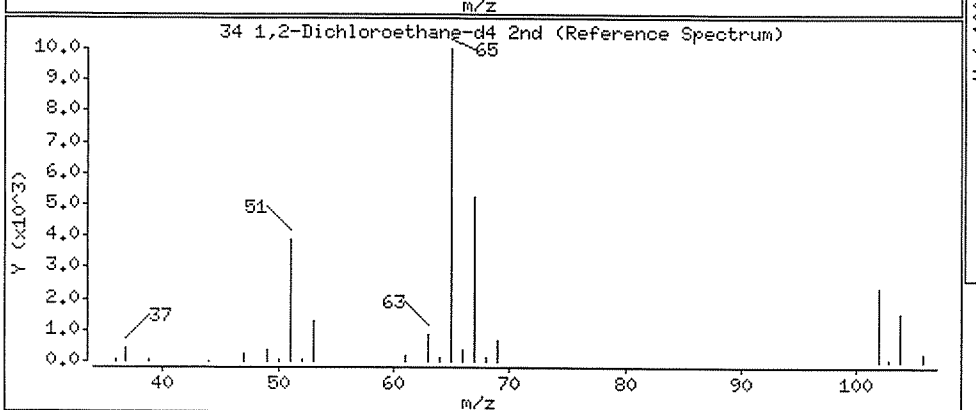
Concentration: 58.00 ug/Kg

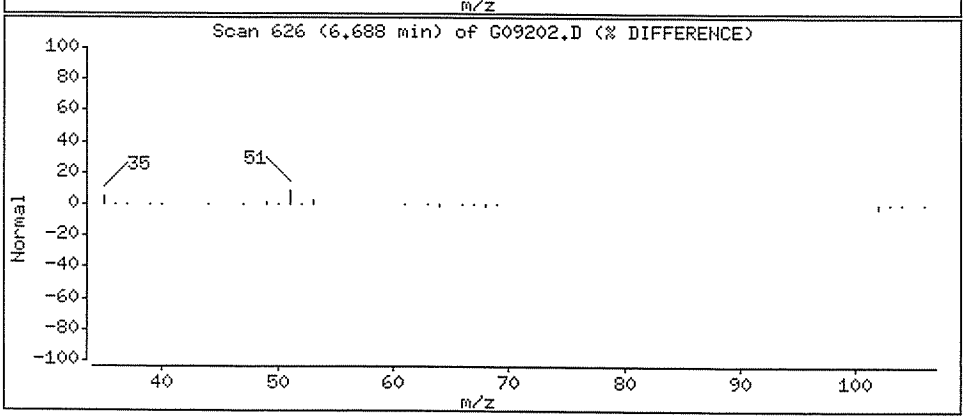












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09202.D

Date : 22-OCT-2000 21:20

Client ID: G09202

Instrument: mg.i

Sample Info: DM1A11AC,,2,,0,1,0,8260BGS.M,G09202

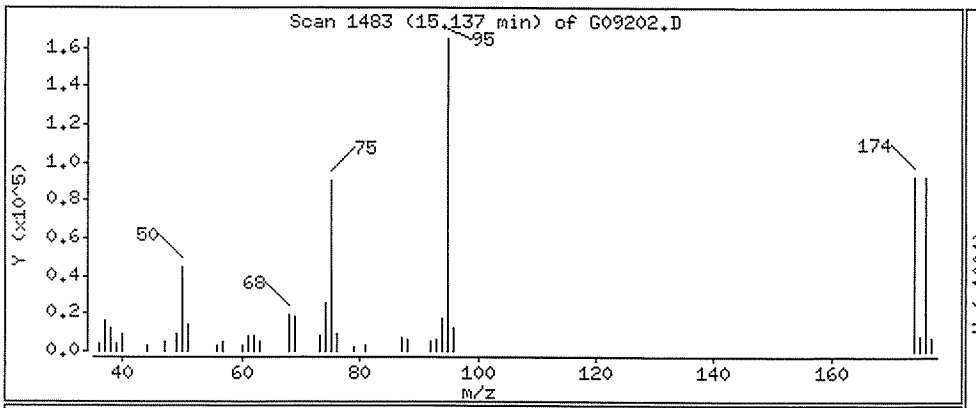
Operator: RRT

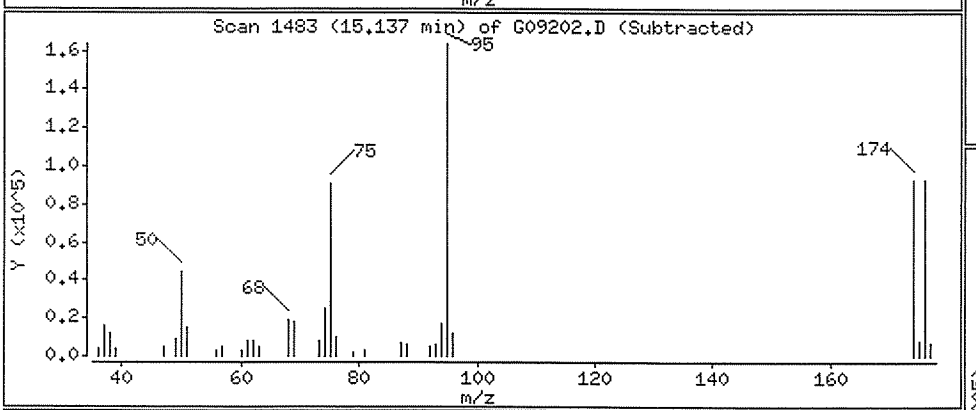
Column phase: J&W DB-624

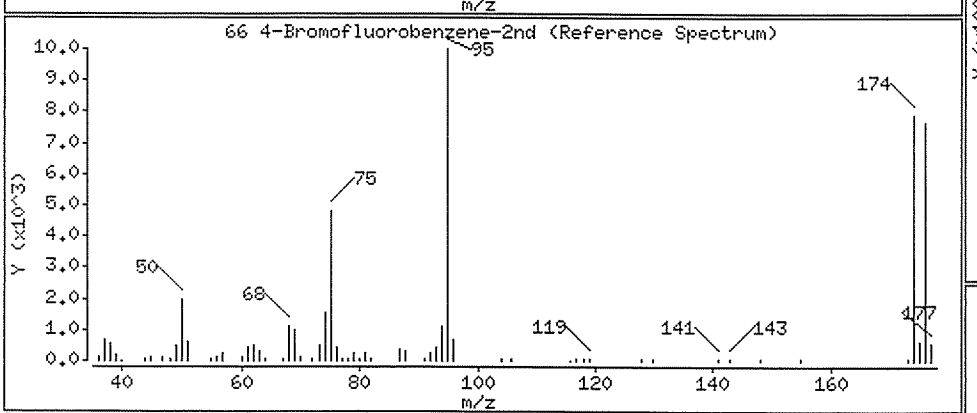
Column diameter: 0.53

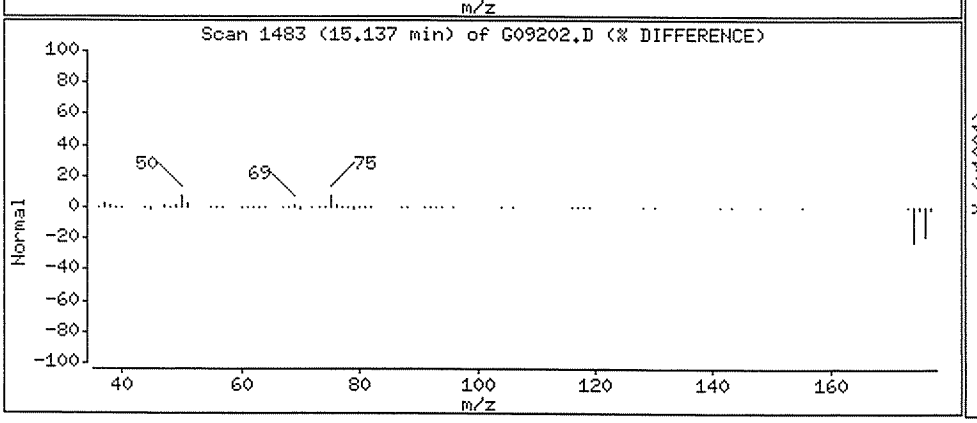
66 4-Bromofluorobenzene-2nd

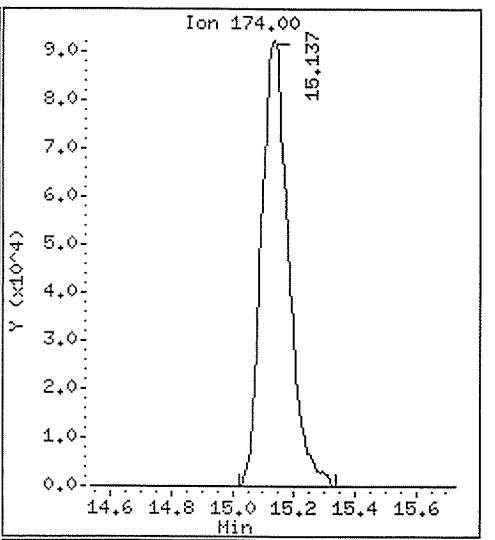
Concentration: 50.26 ug/Kg

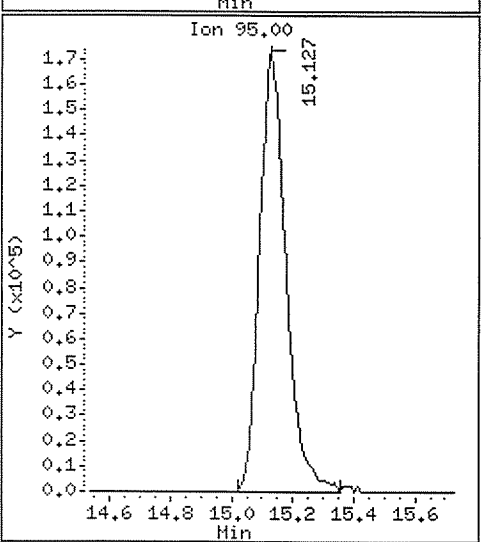


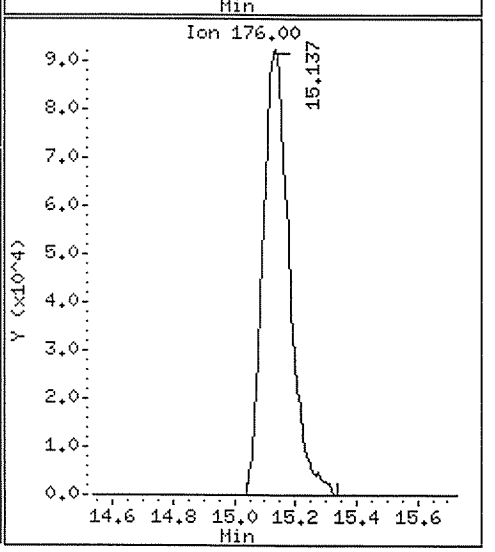












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09202.D

Date : 22-OCT-2000 21:20

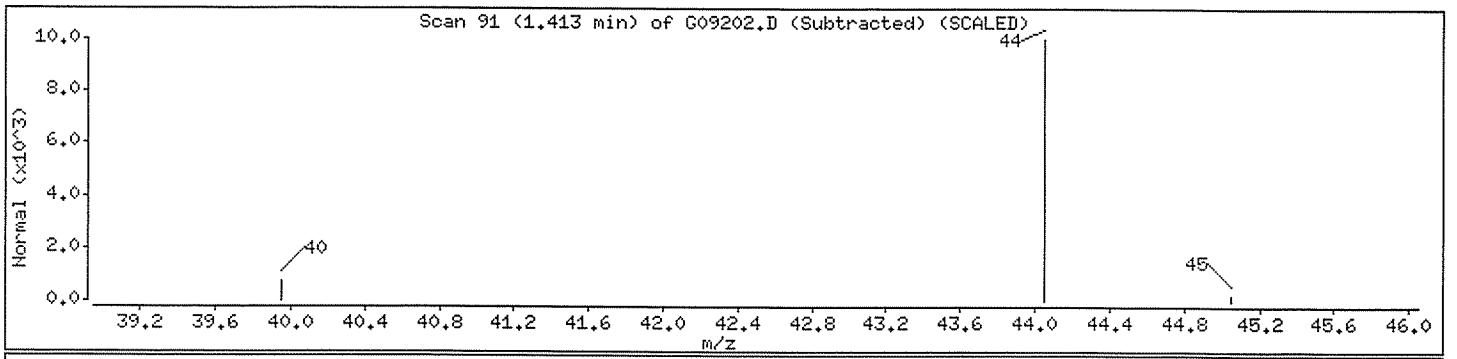
Client ID: G09202 Instrument: mg.i

Sample Info: DM1A11AC,,2,,0,1,0,8260BGS.M,G09202

Operator: RRT

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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09203.D
Lab Smp Id: DM1A31AC Client Smp ID: G09203
Inj Date : 22-OCT-2000 21:54
Operator : RRT Inst ID: mg.i
Smp Info : DM1A31AC,,2,,0,1,0,8260BGS.M,G09203
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.019	3.035	(0.416)	19130	7.29977	7.30
$ 29 Dibromofluoromethane	111	6.174	6.180	(0.851)	849387	54.4408	54.44
$ 33 1,2-Dichloroethane-d4	65	6.696	6.703	(0.923)	628387	50.7702	50.77
34 1,2-Dichloroethane-d4 2nd	102	6.686	6.713	(0.921)	106472	54.6074	54.61
* 38 Fluorobenzene	96	7.258	7.265	(1.000)	1354651	50.0000	
39 Trichloroethene	130	7.880	7.906	(1.086)	24803	2.44448	2.44(a)
$ 47 Toluene-d8	98	10.088	10.104	(0.789)	1353084	51.1896	51.19
* 56 Chlorobenzene-d5	117	12.789	12.806	(1.000)	1070657	50.0000	
$ 67 4-Bromofluorobenzene	95	15.116	15.123	(0.867)	1004332	51.9042	51.90
66 4-Bromofluorobenzene-2nd	174	15.126	15.132	(0.868)	560697	50.9591	50.96
* 79 1,4-Dichlorobenzene-d4	152	17.433	17.439	(1.000)	590623	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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09203.D
Lab Smp Id: DM1A31AC Client Smp ID: G09203
Inj Date : 22-OCT-2000 21:54
Operator : RRT Inst ID: mg.i
Smp Info : DM1A31AC,,2,,0,1,0,8260BGS.M,G09203
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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	7.258	3461528	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.412	1334096	19.2703262	19.27	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1A31AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09203
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

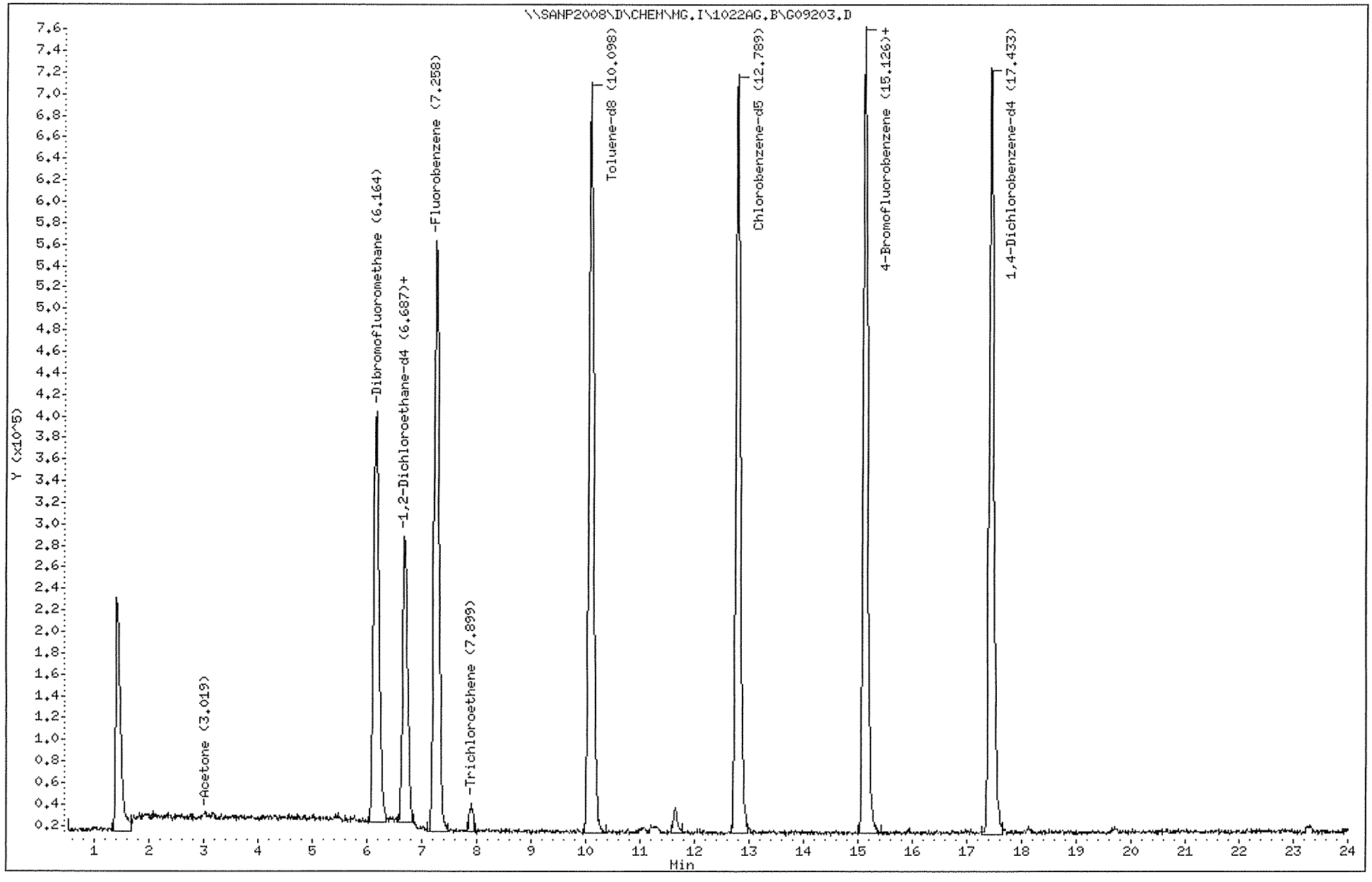
CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.412	19.27	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09203.D
Date : 22-OCT-2000 21:54
Client ID: G09203
Sample Info: DM1A31AC,,2,,0,1,0,8260BGS.M,G09203

Instrument: mg.i

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



000733

BOE-C6-0165348

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09203.D

Date : 22-OCT-2000 21:54

Client ID: G09203

Instrument: mg.i

Sample Info: DM1A31AC,,2,,0,1,0,8260BGS.M,G09203

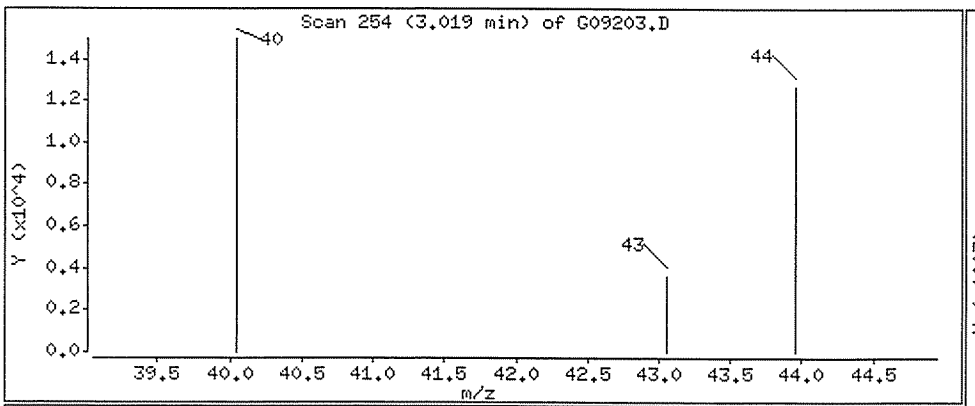
Operator: RRT

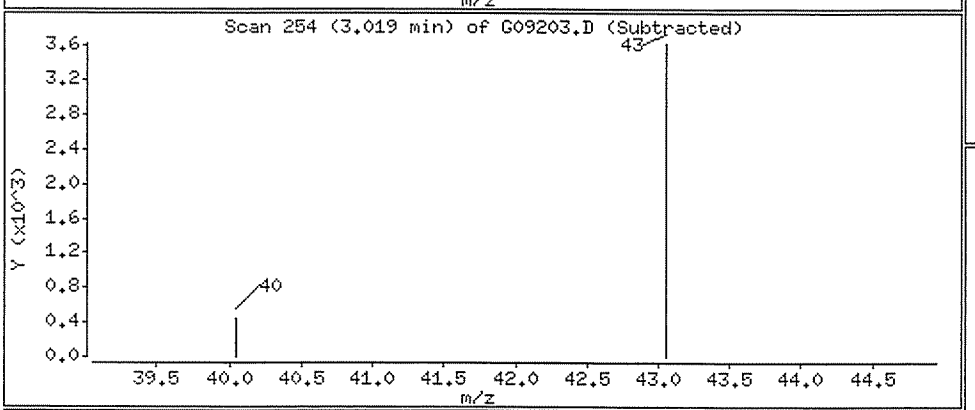
Column phase: J&W DB-624

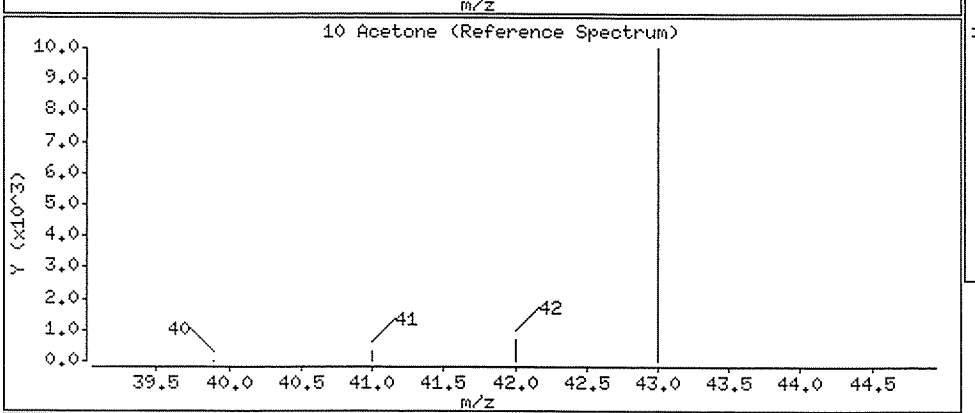
Column diameter: 0.53

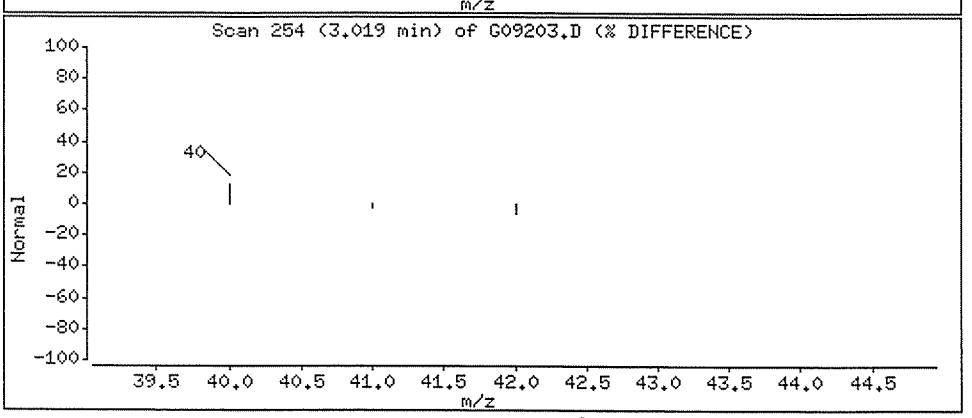
10 Acetone

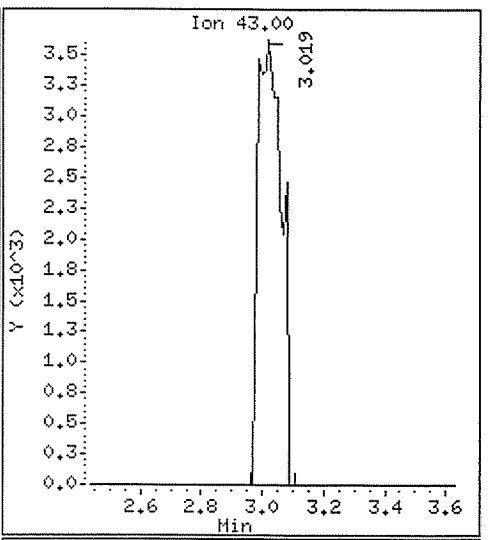
Concentration: 7.30 ug/Kg

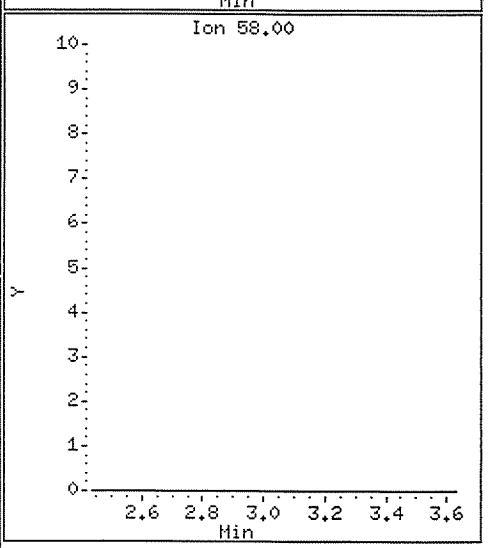












000734

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09203.D

Date : 22-OCT-2000 21:54

Client ID: G09203

Instrument: mg.i

Sample Info: DM1A31AC,,2,,0,1,0,8260BGS.M,G09203

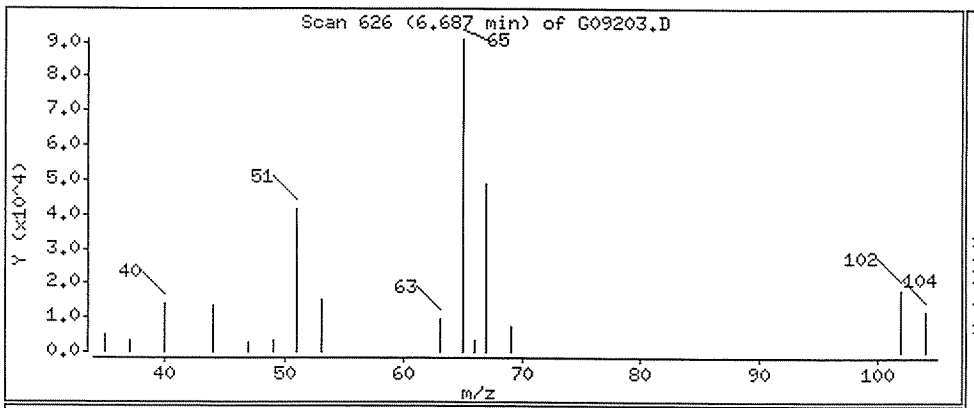
Operator: RRT

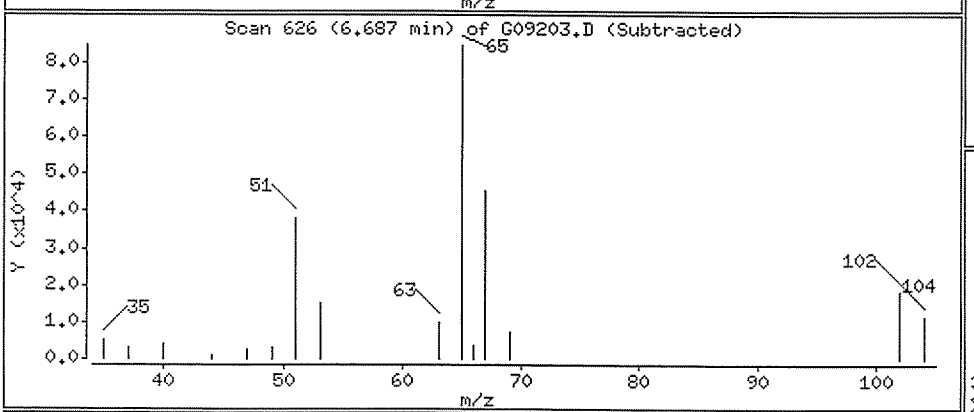
Column phase: J&W DB-624

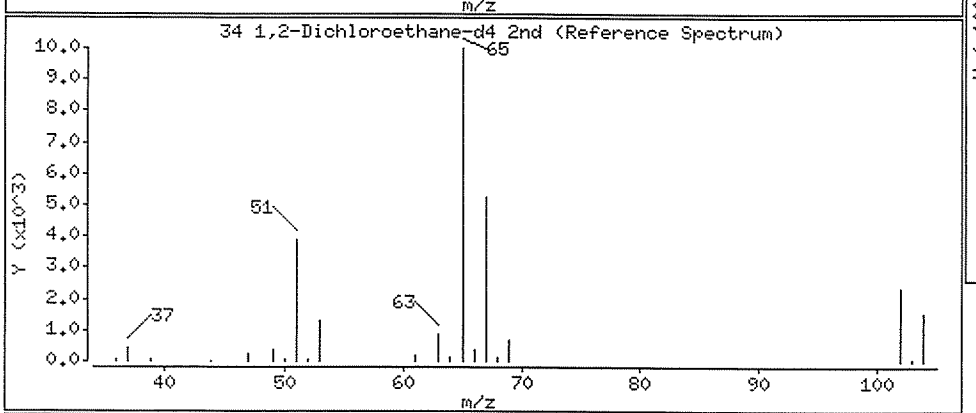
Column diameter: 0.53

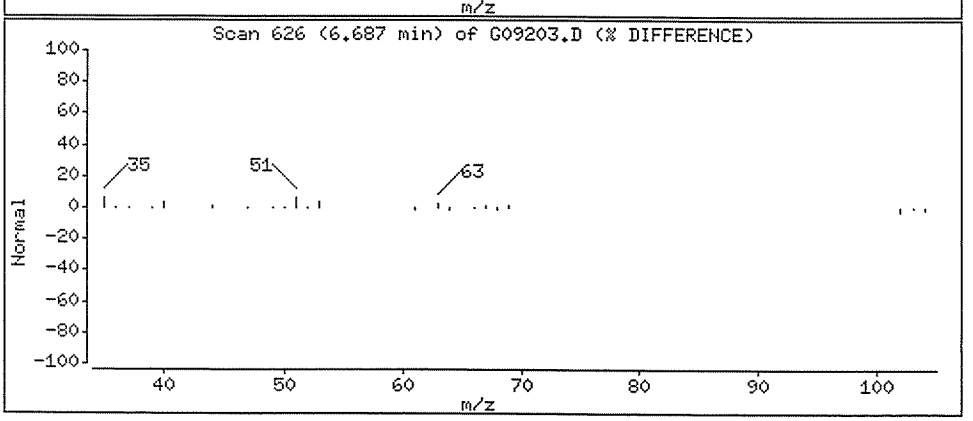
34 1,2-Dichloroethane-d4 2nd

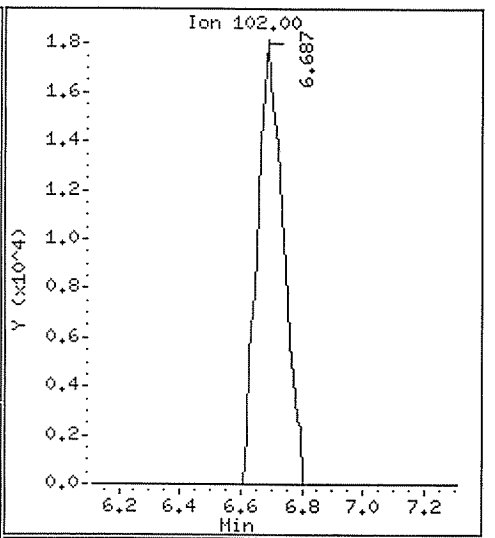
Concentration: 54.61 ug/Kg

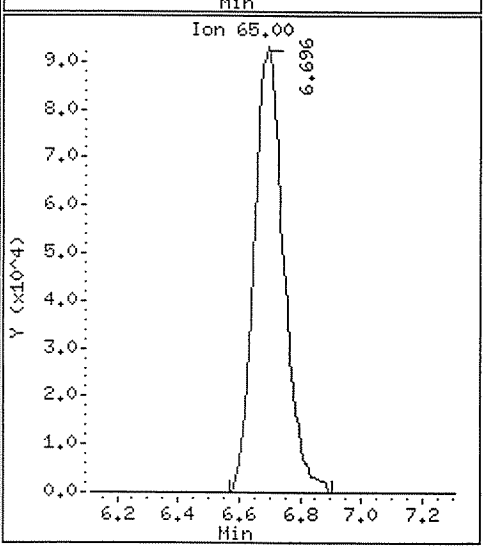












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09203.D

Date : 22-OCT-2000 21:54

Client ID: G09203

Instrument: mg.i

Sample Info: DM1A31AC,,2,,0,1,0,8260BGS.M,G09203

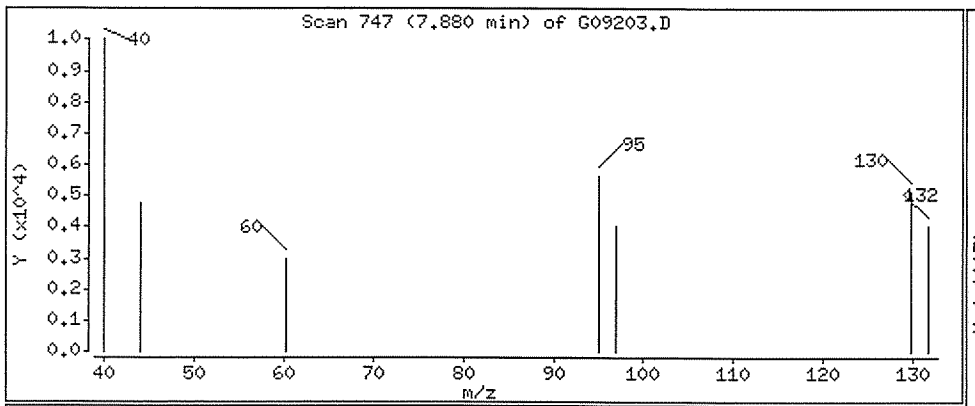
Operator: RRT

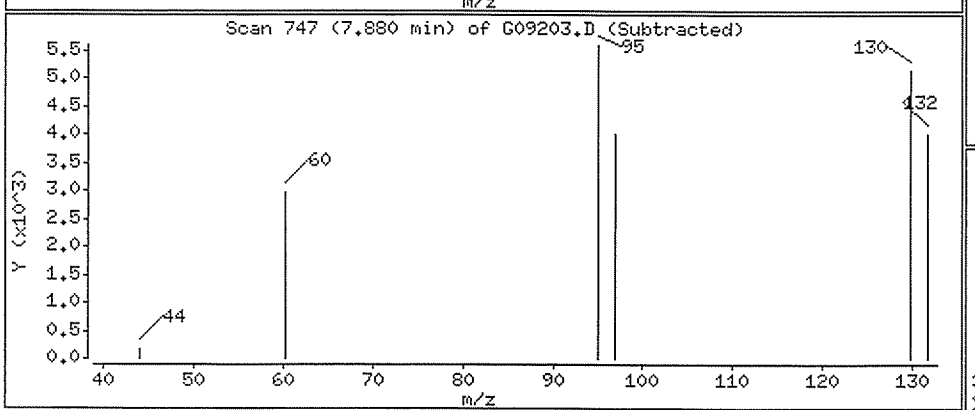
Column phase: J&W DB-624

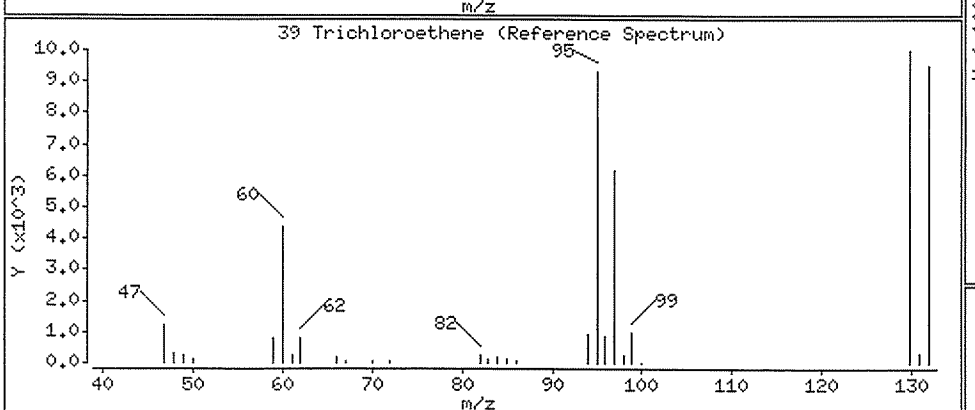
Column diameter: 0.53

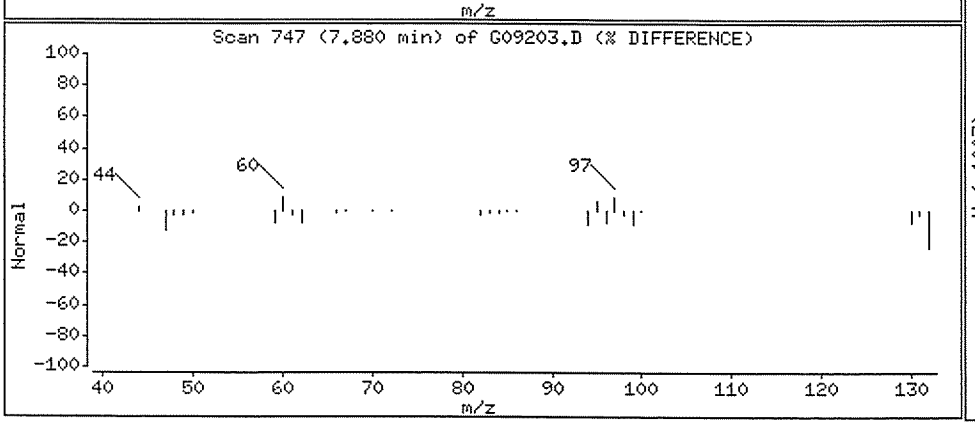
39 Trichloroethene

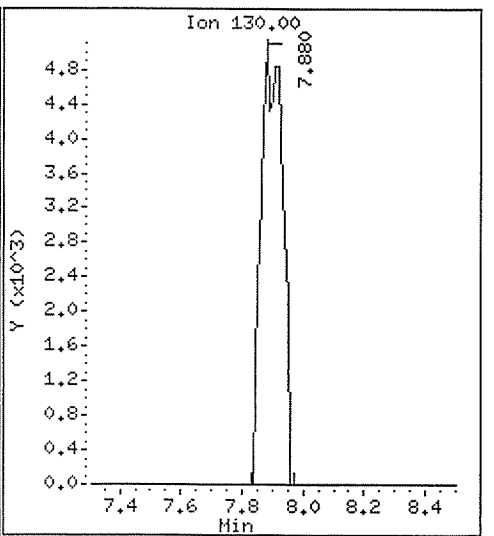
Concentration: 2.44 ug/Kg

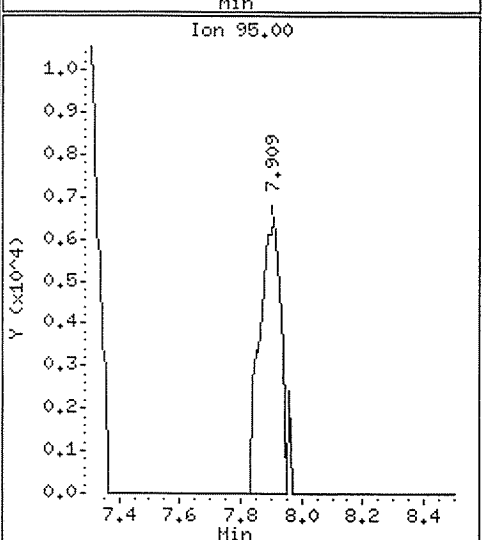


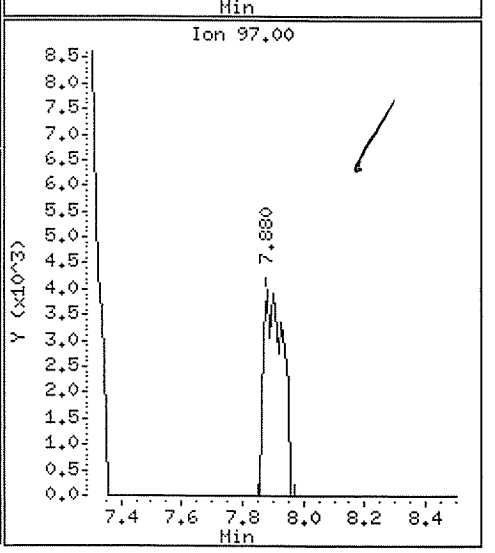












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09203.D

Date : 22-OCT-2000 21:54

Client ID: G09203

Instrument: mg.i

Sample Info: DM1A31AC,,2,,0,1,0,8260BGS.M,G09203

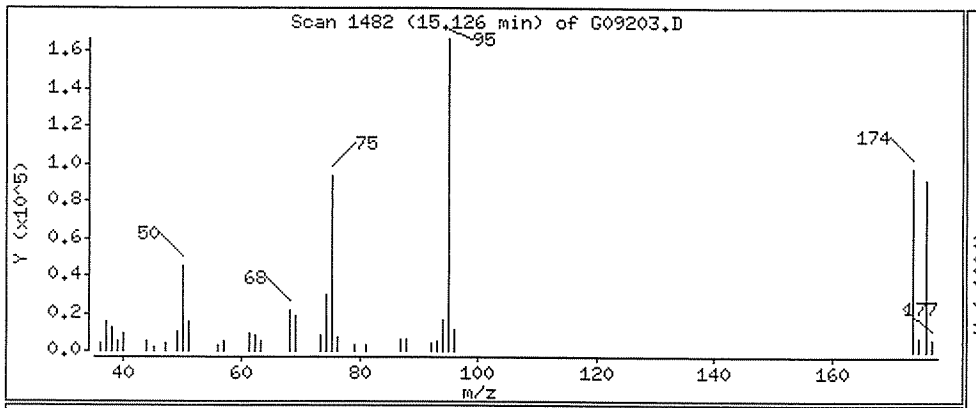
Operator: RRT

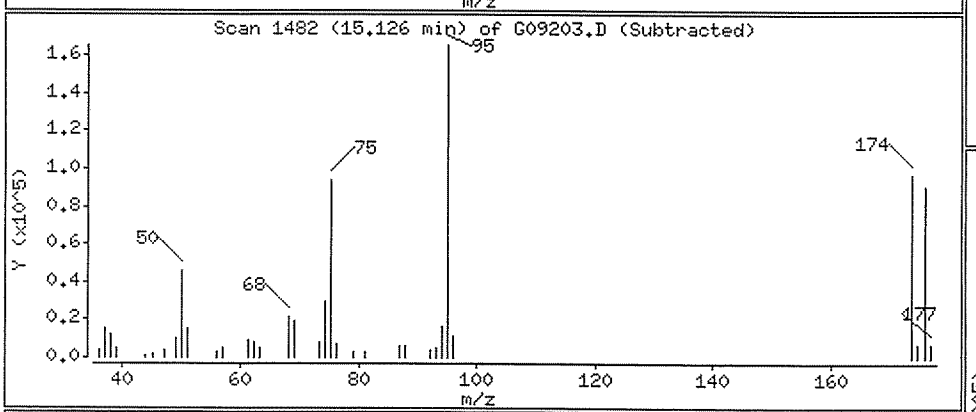
Column phase: J&W DB-624

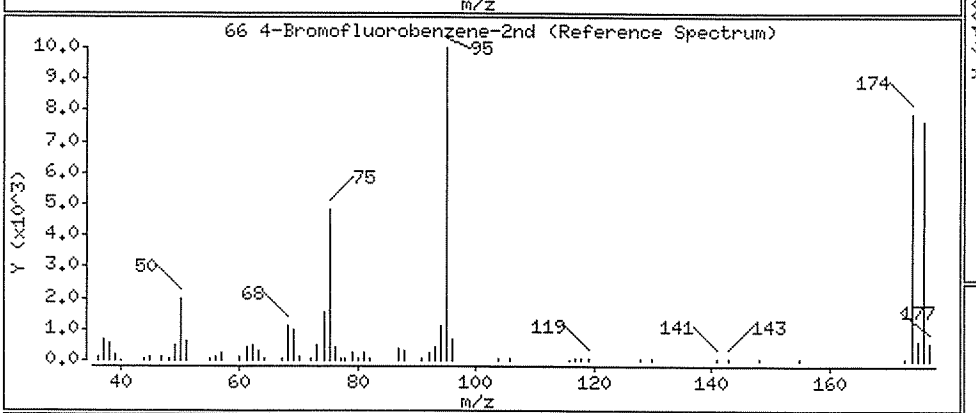
Column diameter: 0.53

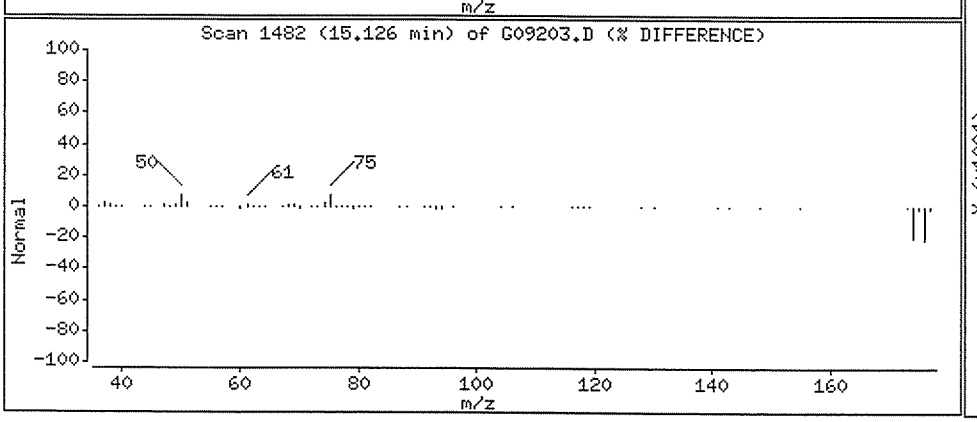
66 4-Bromofluorobenzene-2nd

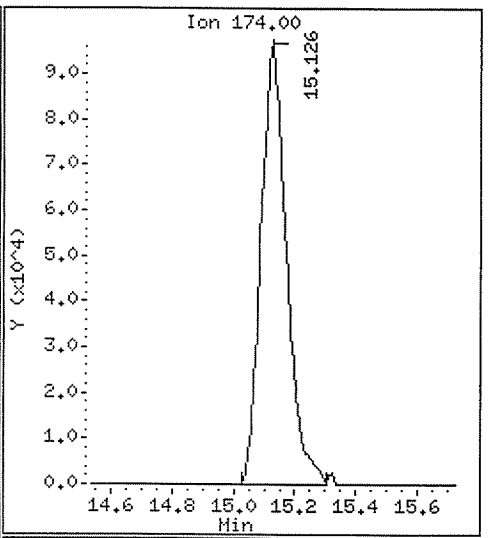
Concentration: 50.96 ug/Kg

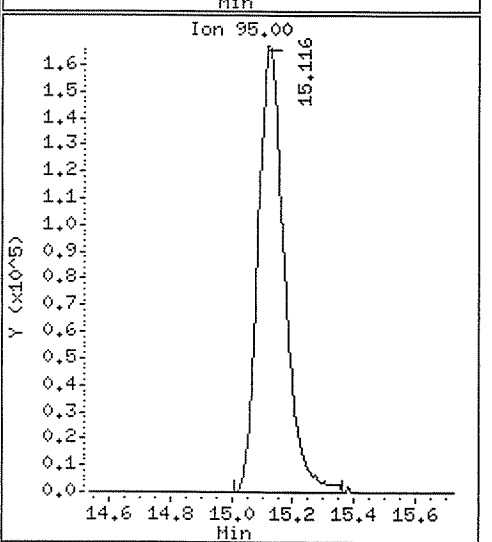


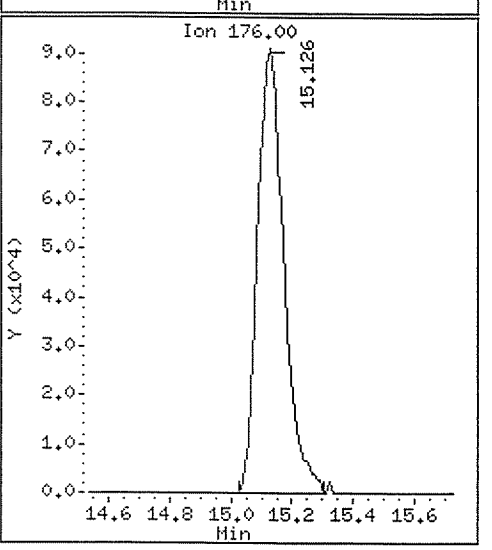












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09203.D

Date : 22-OCT-2000 21:54

Client ID: G09203

Instrument: mg.i

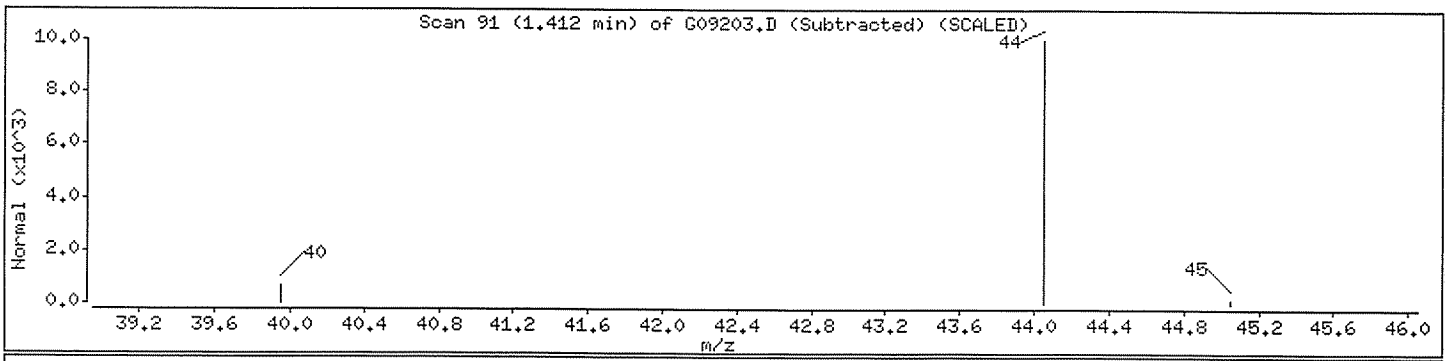
Sample Info: DM1A31AC,,2,,0,1,0,8260BGS.M,G09203

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

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



ND

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09204.D
Lab Smp Id: DM1A51AC Client Smp ID: G09204
Inj Date : 22-OCT-2000 22:29
Operator : RRT Inst ID: mg.i
Smp Info : DM1A51AC,,2,,0,1,0,8260BGS.M,G09204
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
$ 29 Dibromofluoromethane	111	6.210	6.180	(0.849)	760955	59.2656	59.26	
$ 33 1,2-Dichloroethane-d4	65	6.732	6.703	(0.920)	543654	53.3741	53.37	
34 1,2-Dichloroethane-d4 2nd	102	6.732	6.713	(0.920)	90152	56.1847	56.18	
* 38 Fluorobenzene	96	7.314	7.265	(1.000)	1114814	50.0000		
$ 47 Toluene-d8	98	10.114	10.104	(0.790)	1154356	55.8446	55.84	
* 56 Chlorobenzene-d5	117	12.796	12.806	(1.000)	837271	50.0000		
$ 67 4-Bromofluorobenzene	95	15.123	15.123	(0.867)	803189	58.3848	58.38	
66 4-Bromofluorobenzene-2nd	174	15.123	15.132	(0.867)	444432	56.8141	56.81	
* 79 1,4-Dichlorobenzene-d4	152	17.440	17.439	(1.000)	419907	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09204.D
Lab Smp Id: DM1A51AC Client Smp ID: G09204
Inj Date : 22-OCT-2000 22:29
Operator : RRT Inst ID: mg.i
Smp Info : DM1A51AC,,2,,0,1,0,8260BGS.M,G09204
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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	7.314	2797724	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.448	1461879	26.1262033	26.13	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1A51AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09204
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

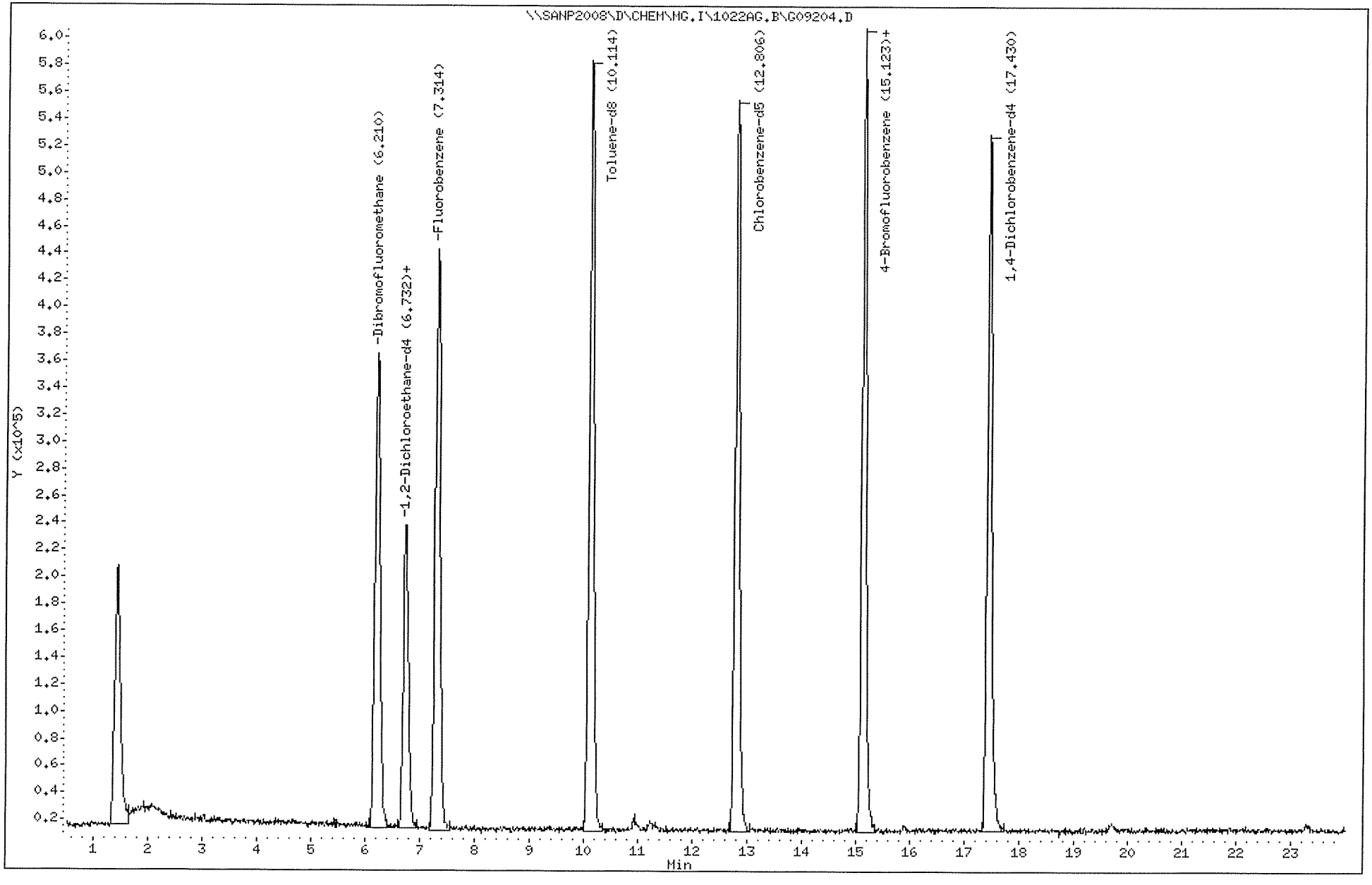
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~Unknown~~	1.448	26.13	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09204.D
Date : 22-OCT-2000 22:29
Client ID: G09204
Sample Info: DM1A51AC,,2,,0,1,0,8260BGS.M,G09204

Column phase: J&W DB-624

Instrument: mg.i

Operator: RRT
Column diameter: 0.53



000742

BOE-C6-0165357

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09204.D

Date : 22-OCT-2000 22:29

Client ID: G09204

Instrument: mg.i

Sample Info: DM1A51AC,,2,,0,1,0,8260BGS.M,G09204

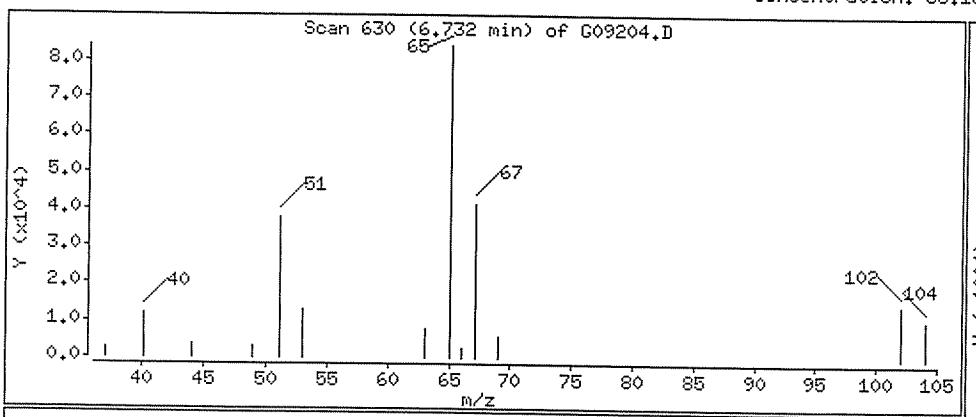
Operator: RRT

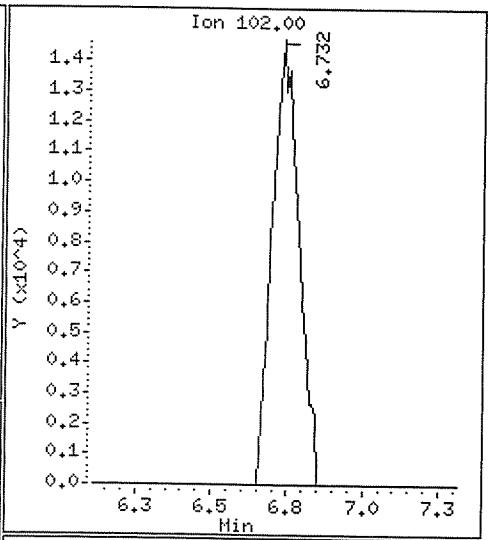
Column phase: J&W DB-624

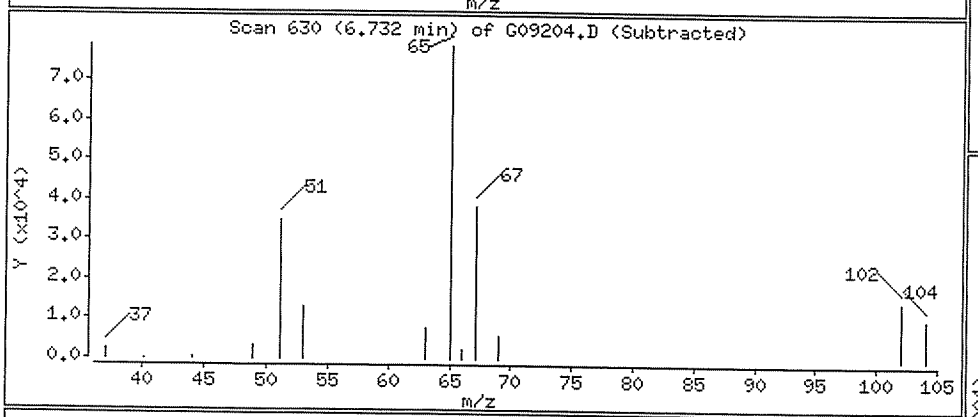
Column diameter: 0.53

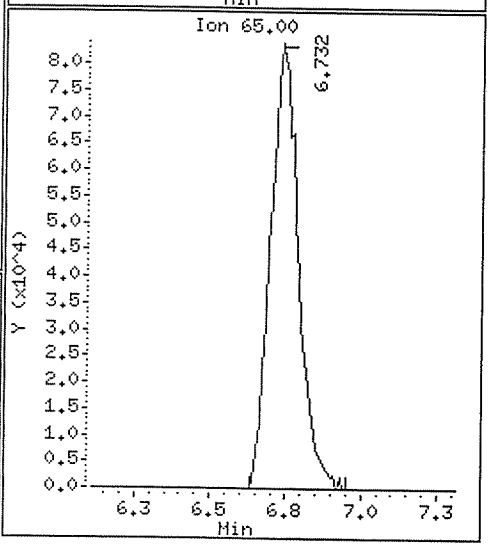
34 1,2-Dichloroethane-d4 2nd

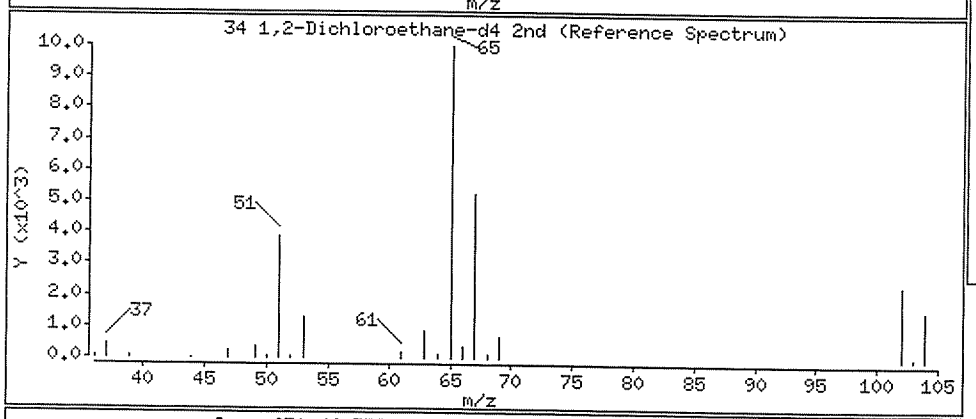
Concentration: 56.18 ug/Kg

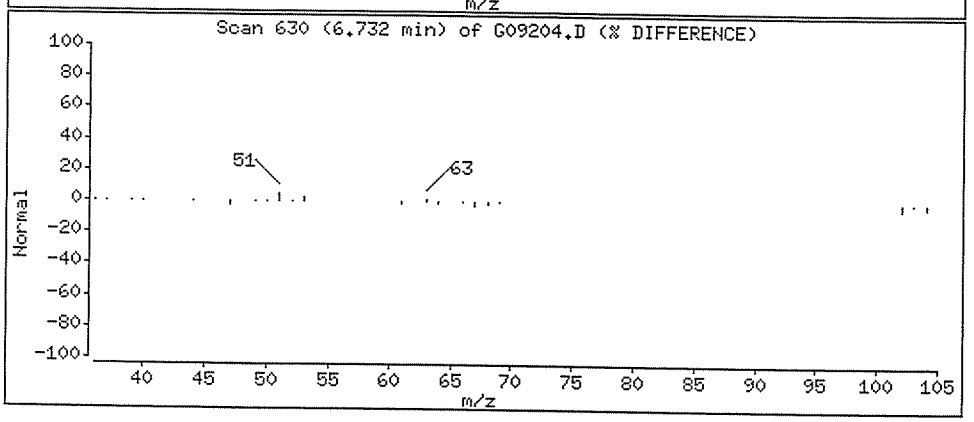












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09204.D

Date : 22-OCT-2000 22:29

Client ID: G09204

Instrument: mg.i

Sample Info: DM1A51AC,,2,,0,1,0,8260BGS.M,G09204

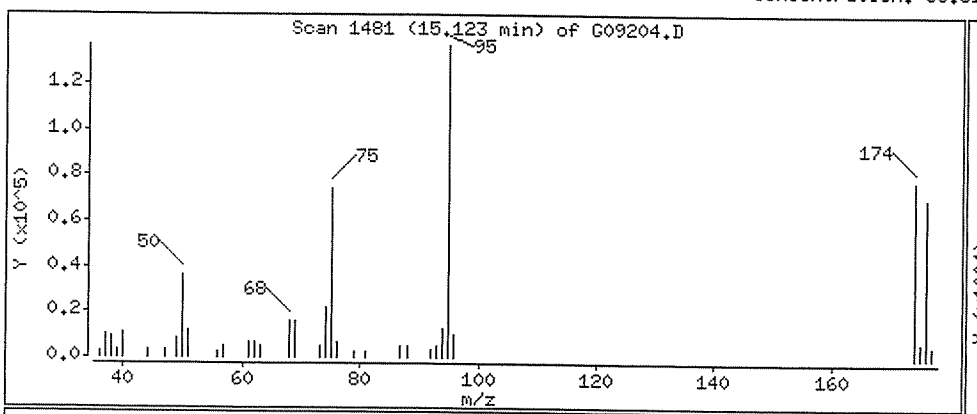
Operator: RRT

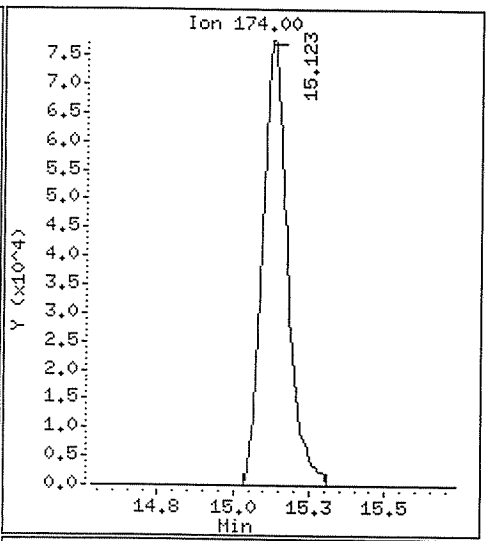
Column phase: J&W DB-624

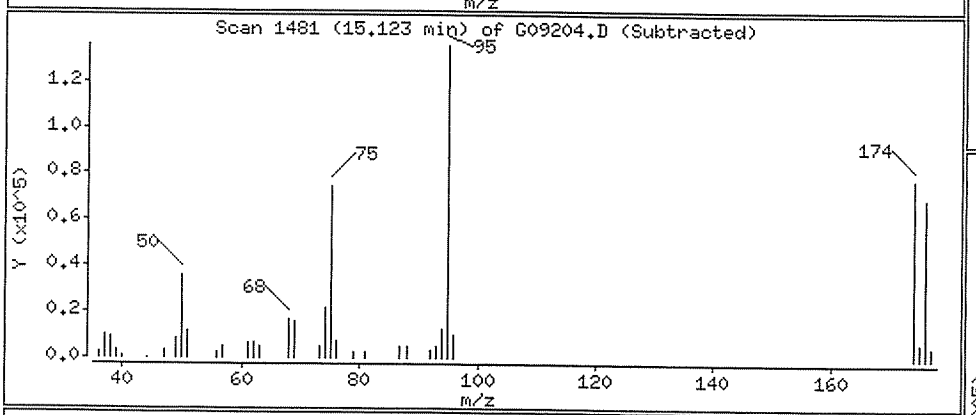
Column diameter: 0.53

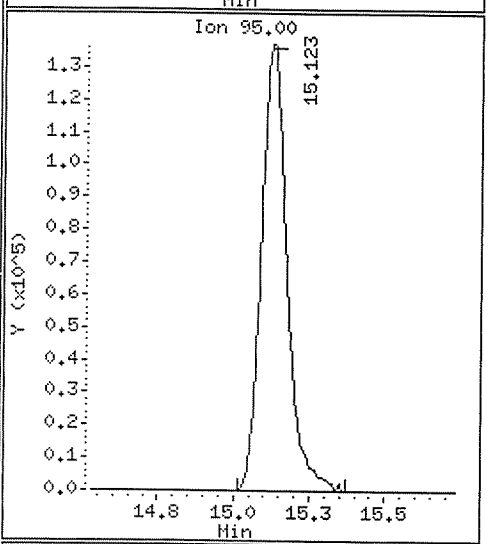
66 4-Bromofluorobenzene-2nd

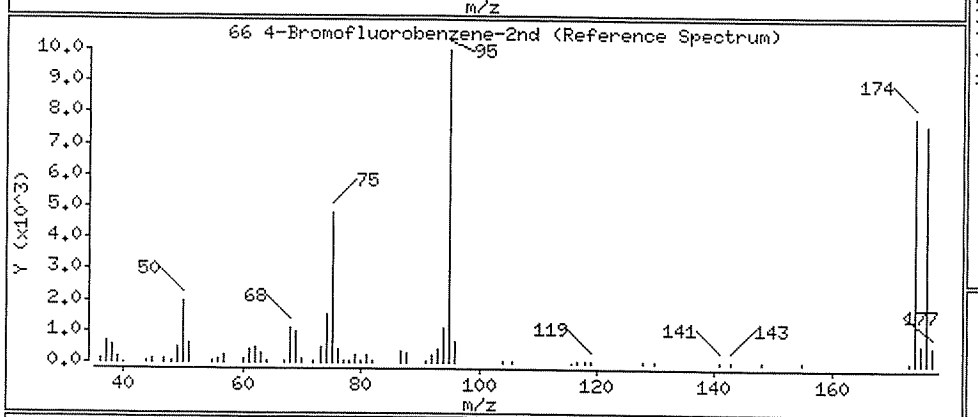
Concentration: 56.81 ug/Kg

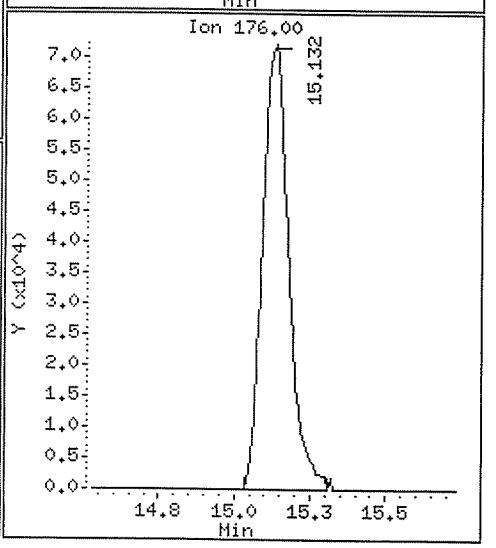


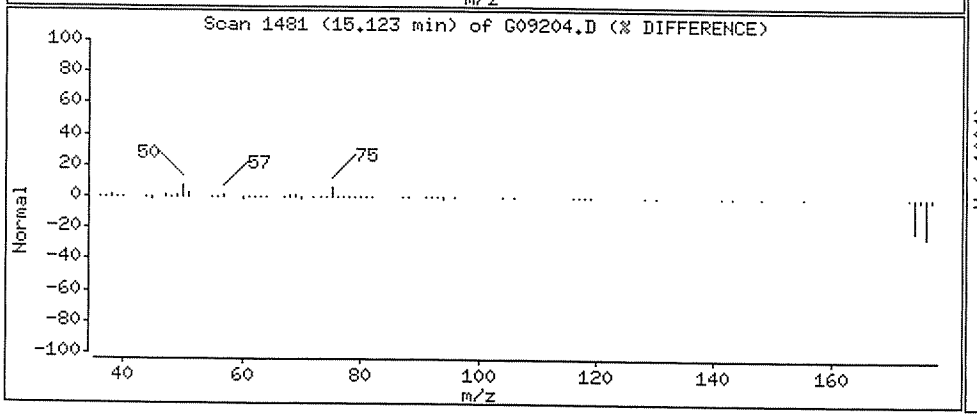












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09204.D

Date : 22-OCT-2000 22:29

Client ID: G09204

Instrument: mg.i

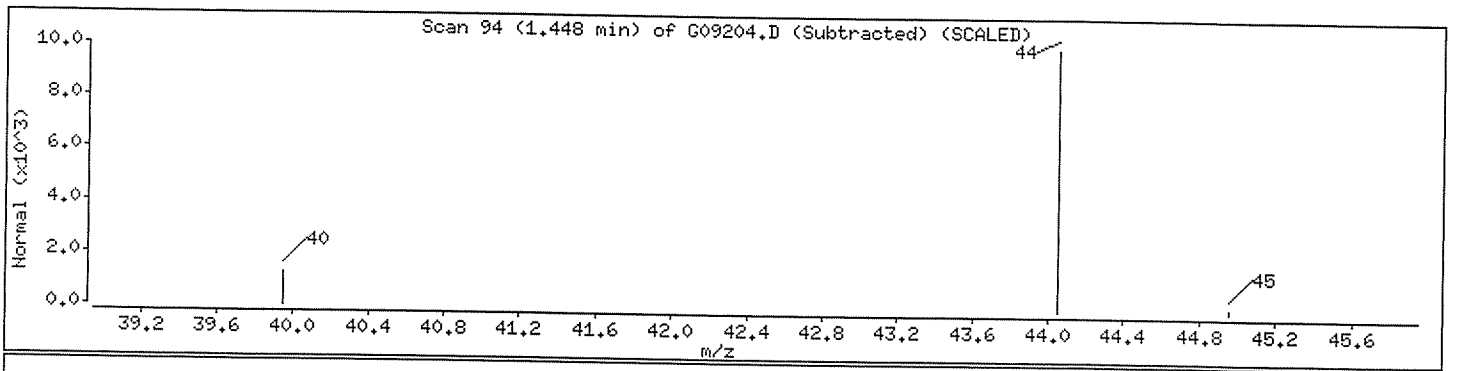
Sample Info: DM1A51AC,,2,,0,1,0,8260BGS.M,G09204

Operator: RRT

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 : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09205.D
Lab Smp Id: DM1A61AC Client Smp ID: G09205
Inj Date : 22-OCT-2000 23:03
Operator : RRT Inst ID: mg.i
Smp Info : DM1A61AC,,2,,0,1,0,8260BGS.M,G09205
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	3.060	3.035	(0.421)	15896	5.85831	5.86
$ 29 Dibromofluoromethane	111	6.175	6.180	(0.849)	903235	55.9101	55.91
$ 33 1,2-Dichloroethane-d4	65	6.688	6.703	(0.920)	715073	55.7960	55.80
34 1,2-Dichloroethane-d4 2nd	102	6.708	6.713	(0.923)	128369	63.5838	63.58
* 38 Fluorobenzene	96	7.270	7.265	(1.000)	1402675	50.0000	
$ 47 Toluene-d8	98	10.099	10.104	(0.790)	1361056	48.9952	49.00
* 56 Chlorobenzene-d5	117	12.781	12.806	(1.000)	1125202	50.0000	
$ 67 4-Bromofluorobenzene	95	15.118	15.123	(0.867)	1063741	50.3344	50.33
66 4-Bromofluorobenzene-2nd	174	15.127	15.132	(0.868)	589656	49.0677	49.07
* 79 1,4-Dichlorobenzene-d4	152	17.435	17.439	(1.000)	645070	50.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1022AG.B\G09205.D
Lab Smp Id: DM1A61AC Client Smp ID: G09205
Inj Date : 22-OCT-2000 23:03
Operator : RRT Inst ID: mg.i
Smp Info : DM1A61AC,,2,,0,1,0,8260BGS.M,G09205
Misc Info : ,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1022AG.B\8260BGS.m
Meth Date : 22-Oct-2000 13:17 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

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	7.270	3573749	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/Kg)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.423	1116490	15.6207044	15.62	0		0	38

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1A61AC
Operator : RRT
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09205
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

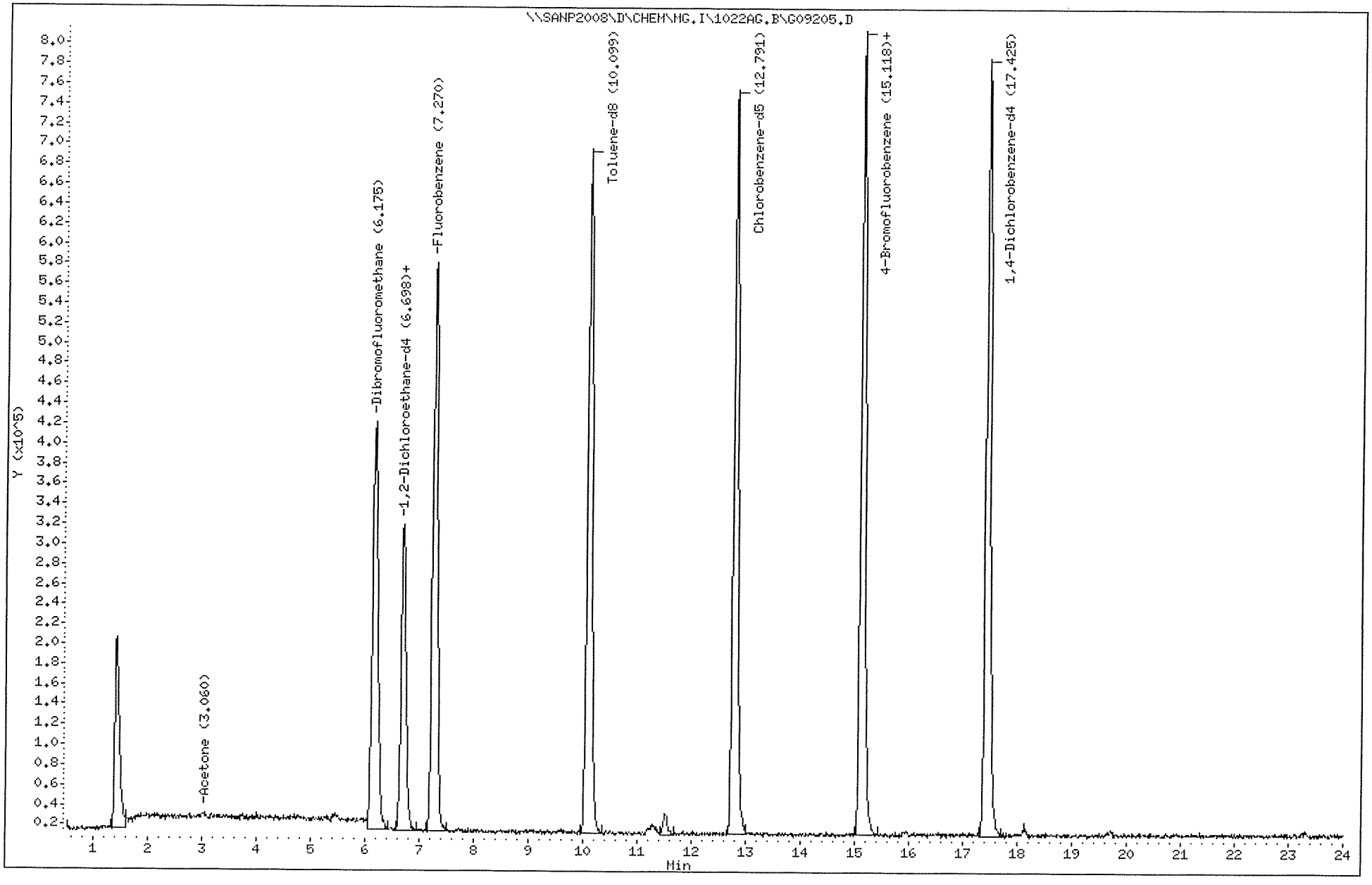
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.423	15.62	J

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09205.D
Date : 22-OCT-2000 23:03
Client ID: G09205
Sample Info: DM1A61AC,,2,,0,1,0,8260BGS.M,G09205

Instrument: mg.i

Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



000750

BOE-C6-0165365

Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09205.D

Date : 22-OCT-2000 23:03

Client ID: G09205

Instrument: mg.i

Sample Info: DM1A61AC,,2,,0,1,0,8260BGS.M,G09205

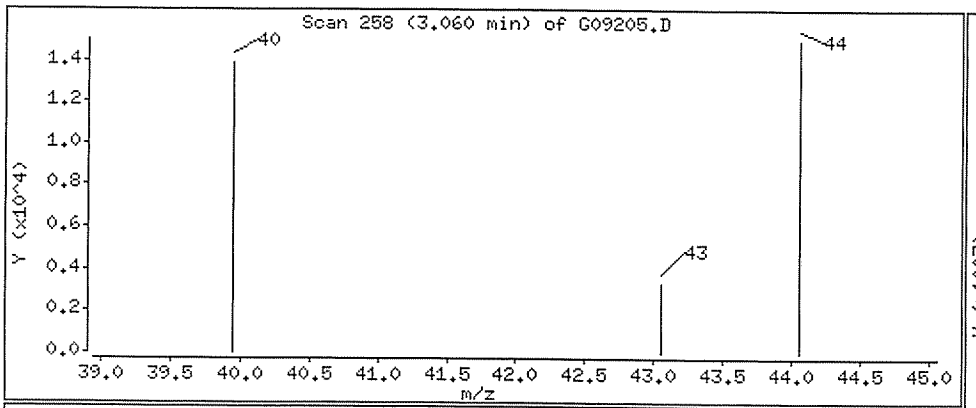
Operator: RRT

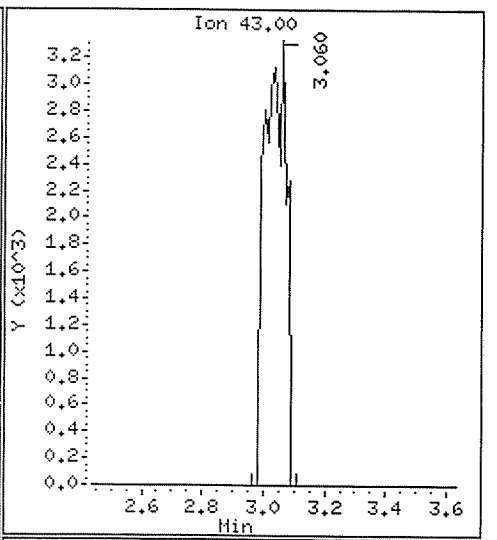
Column phase: J&W DB-624

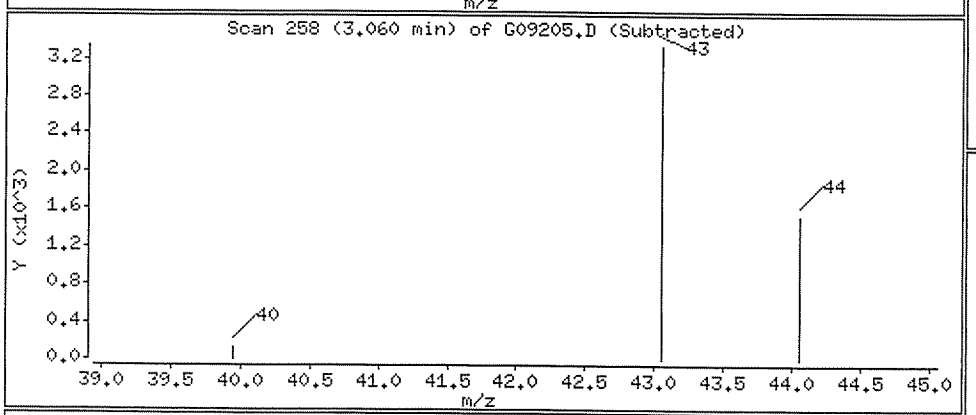
Column diameter: 0.53

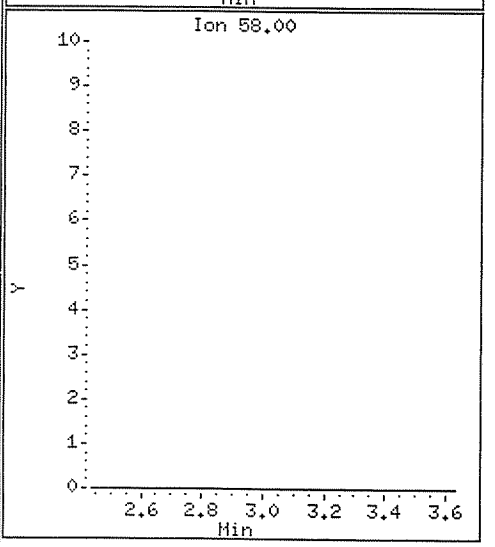
10 Acetone

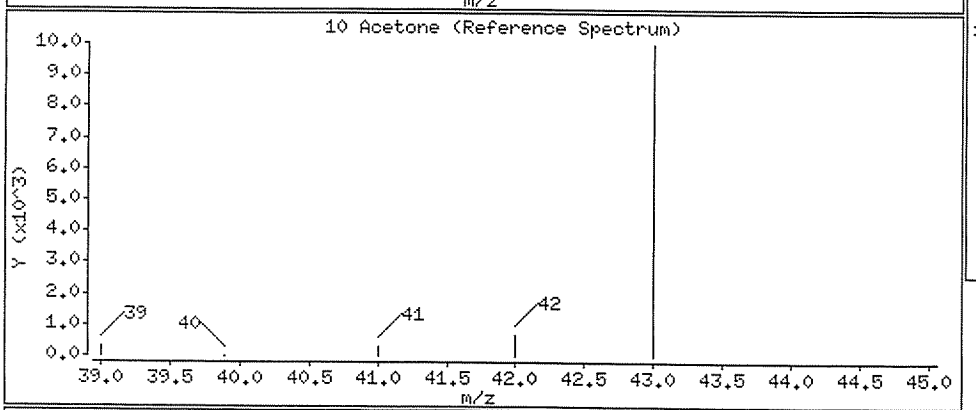
Concentration: 5.86 ug/Kg

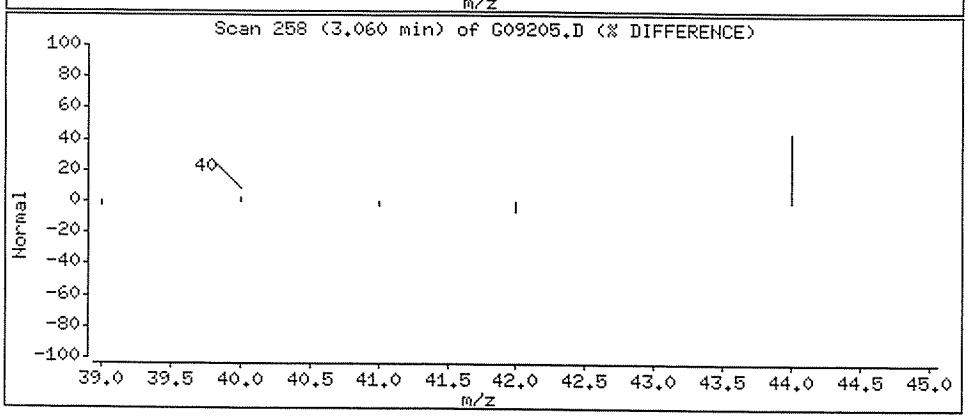












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09205.D

Date : 22-OCT-2000 23:03

Client ID: G09205

Instrument: mg.i

Sample Info: DM1A61AC,,2,,0,1,0,8260BGS.M,G09205

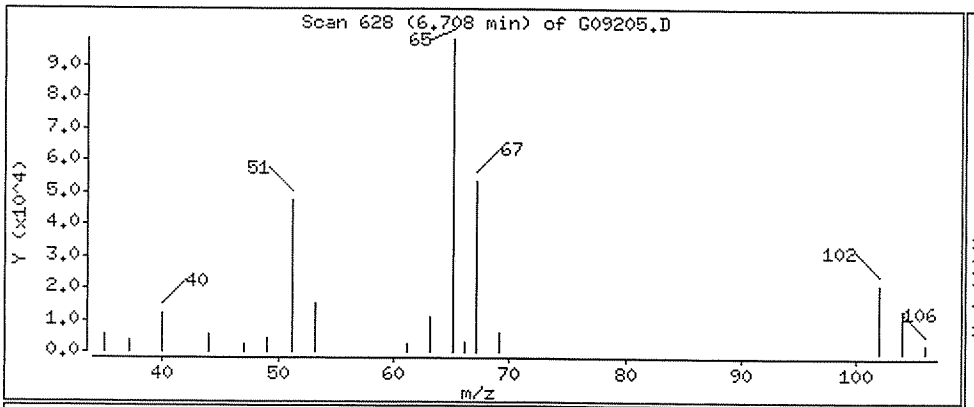
Operator: RRT

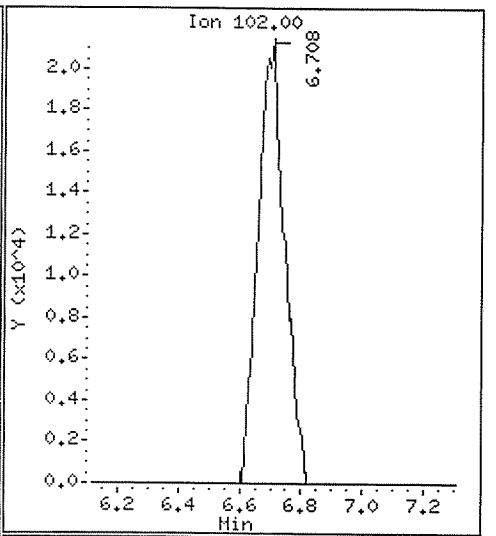
Column phase: J&W DB-624

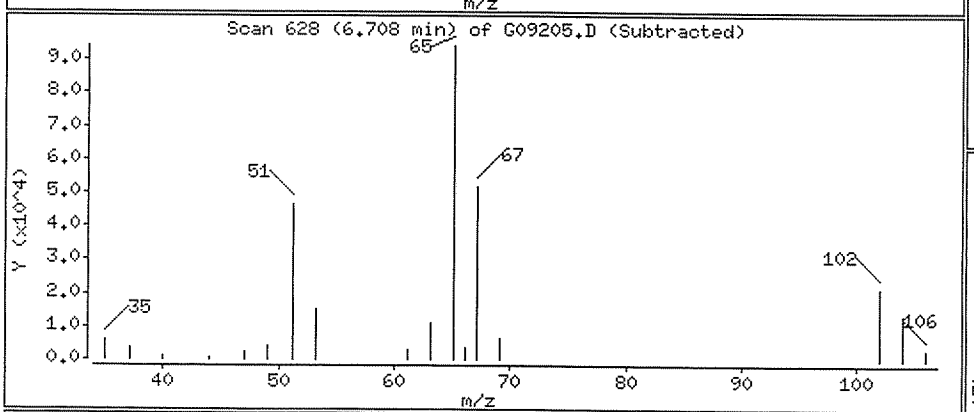
Column diameter: 0.53

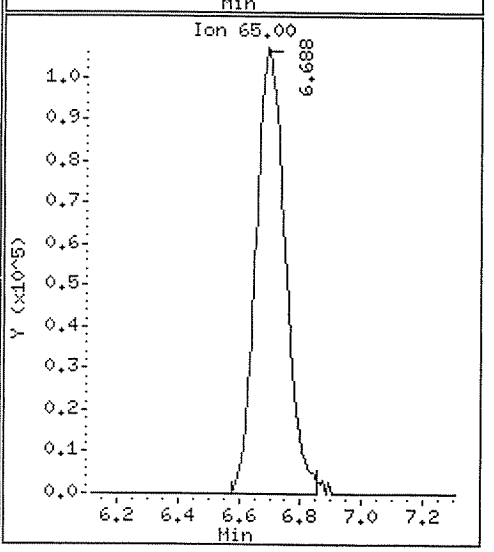
34 1,2-Dichloroethane-d4 2nd

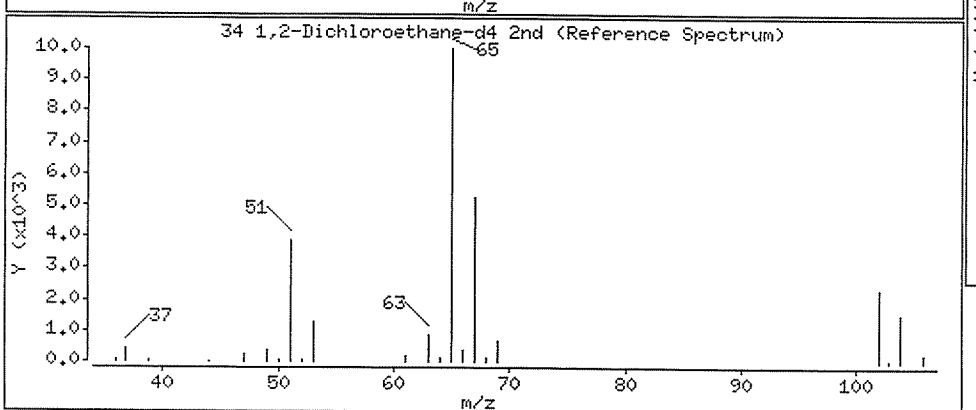
Concentration: 63.58 ug/Kg

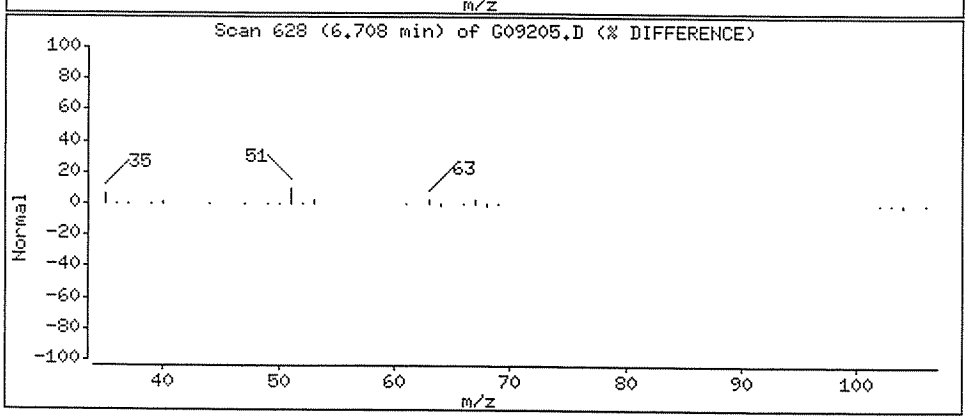












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09205.D

Date : 22-OCT-2000 23:03

Client ID: G09205

Instrument: mg.i

Sample Info: DM1A61AC,,2,,0,1,0,8260BGS.M,G09205

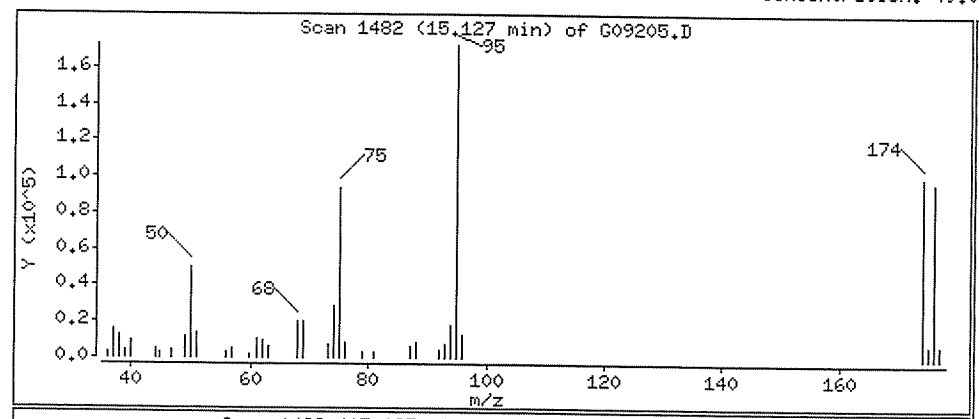
Operator: RRT

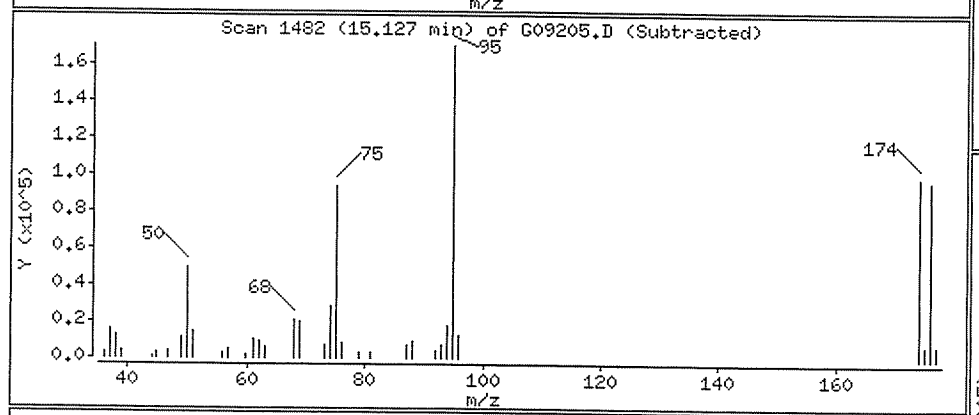
Column phase: J&W DB-624

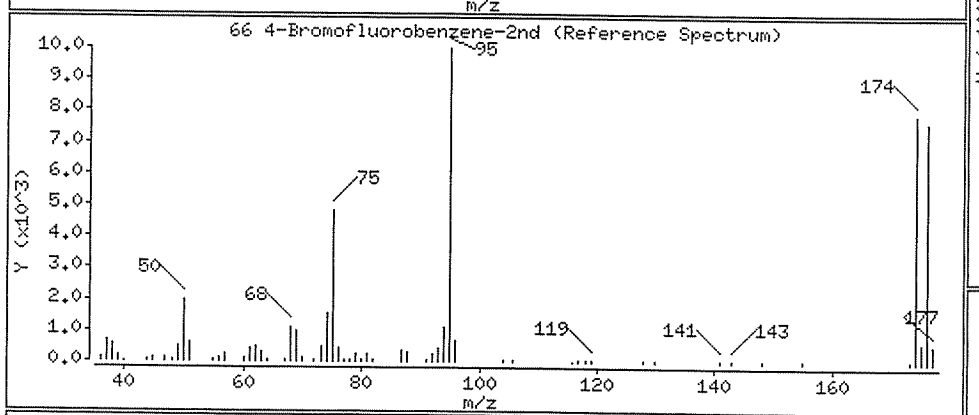
Column diameter: 0.53

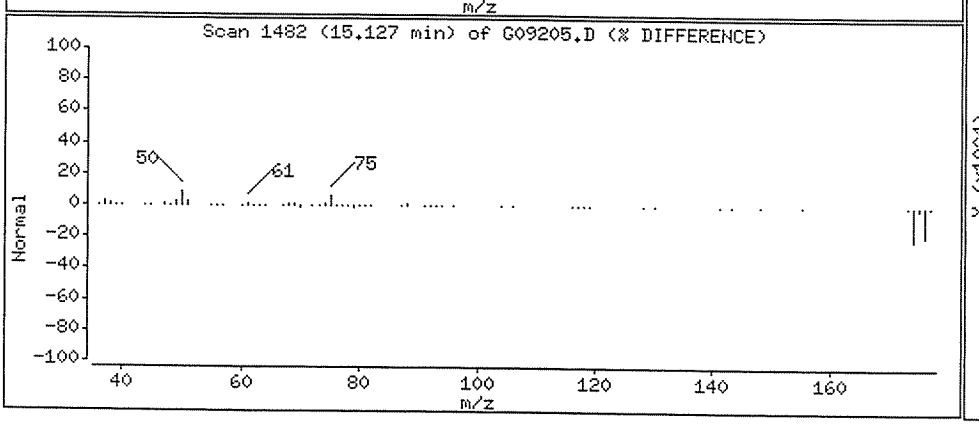
66 4-Bromofluorobenzene-2nd

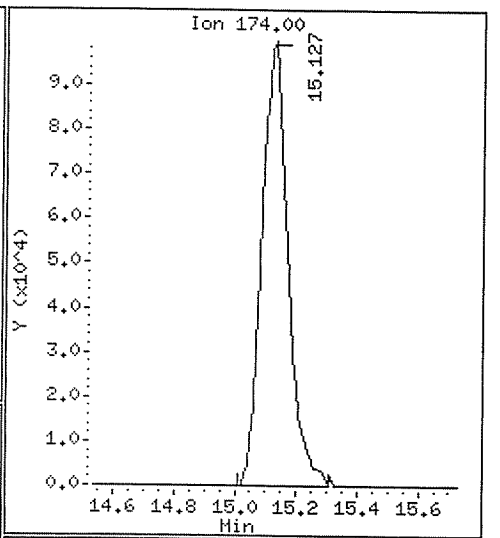
Concentration: 49.07 ug/Kg

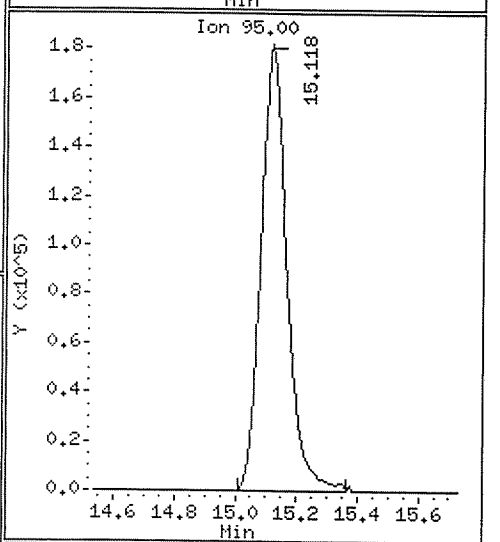


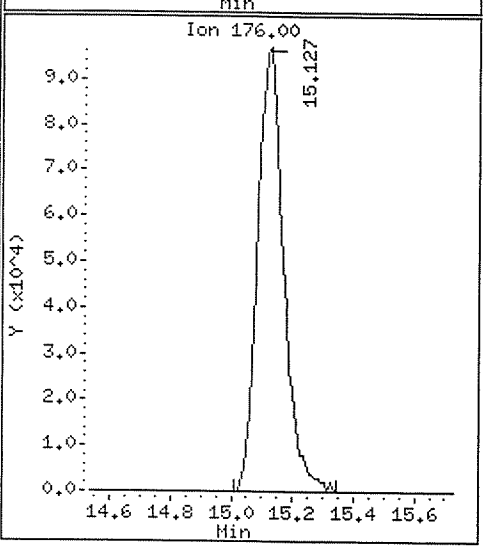












Data File: \\SANP2008\D\CHEM\MG.I\1022AG.B\G09205.D

Date : 22-OCT-2000 23:03

Client ID: G09205

Instrument: mg.i

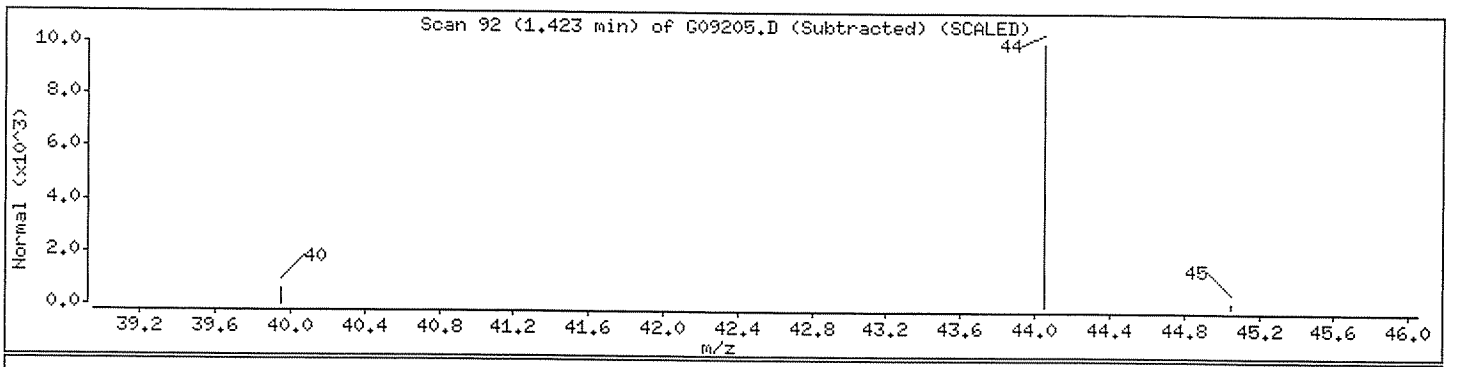
Sample Info: DM1A61AC,,2,,0,1,0,8260BGS.M,G09205

Operator: RRT

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: 102400

INSTRUMENT ID: MSD

SAMPLES: EO30110284-28

STL Los Angeles

FJC 1/27/00

Batch ID: 0301464

GC/MS VOA Run Log

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

Inst ID: MSD | EM Set: 1682 | Tune File: BFB | Seq File: 1024AD | Date: 10.24.00

Init. Cal ID: 8260 BDA

Inj. Time	Analyst	File ID	Work Order #	AS #	Matrix	Sample Wt/Vol	Dil.	I.S.	Run	Rerun	pH	Comments
10:16	GFB	~~D13350~~ LCS Check	LCS Check	1	S	5g						EM 1706 - Tune file Adjusted
11:21		DT 1598	50ng BFB	—	—	1ml	—	—	✓			1265-2
11:41		DS 2578	5ppb 8260B std	1	S	5g	1	235	✓			1273-1; 66-1; 69-2 not used
12:13		79	5	2				234	✓			
12:45		80	20	3				243	✓			73-2
13:16		81	50	4				250	✓			
13:48		82	100	5				254	✓			
14:20		83	400	6				284	✓			
15:18		D13351	LCS 1024AD	7				280	✓			1271-2
15:44		52	MB 1024AD	8				268	✓			
16:23		53	DLW85104	9		1g	5	257	✓			EO1100274-38
16:55		54	DLW5X104	10		1g	5	255	✓			-6
17:26		55	~~DM1A1AA~~ DLW5Q104	11		5g	1	247	✓			-3 DLW5Q104
17:58		56	DM1A8AA	12			1	241	✓			EO1110284-28 DM1A81AA
18:30		57	DM1A81AC S	13				241	✓			-28MS 1271-2
19:01		58	DM1A81AD D	14				237	✓			-28MSD
19:33		59	DNFXX1AC	15		1g	5	154	✓			EO1190284-1
20:04		60	DNF061AC	16				243	✓			-2

000122

Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\DT1598.D

Date : 24-OCT-2000 11:21

Client ID:

Instrument: md.i

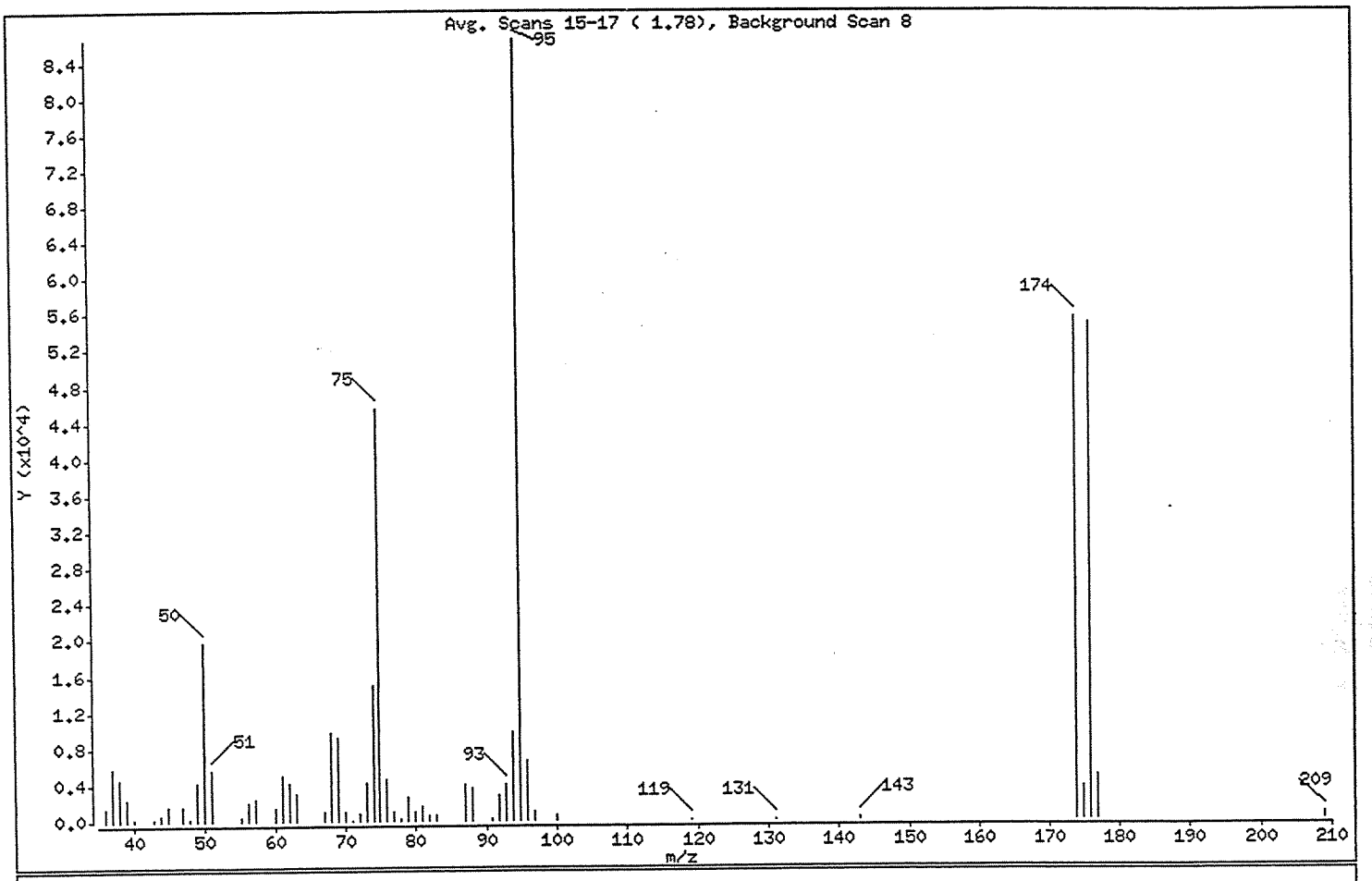
Sample Info: 50 ng BFB,bfb,,,,,,bfb.m

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	22.70
75	30.00 - 60.00% of mass 95	52.76
96	5.00 - 9.00% of mass 95	7.59
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	64.15
175	5.00 - 9.00% of mass 174	4.04 (6.30)
176	95.00 - 101.00% of mass 174	63.34 (98.73)
177	5.00 - 9.00% of mass 176	5.45 (8.61)

GFB 10/27/00

10-25-00

STL Los Angeles

Data file : \\SANP2021\D\CHEM\MD.I\1024AD.B\DT1598.D
Lab Smp Id:
Inj Date : 24-OCT-2000 11:21
Operator : GFB Inst ID: md.i
Smp Info : 50 ng BFB,bfb,,,,,,bfb.m
Misc Info : 1uL;1265-2,,,,3,all.sub
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1024AD.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		
1.7788	1.8000	(0.000)	95	86501			0.00- 100.00	100.00
1.7788	1.8000	(0.000)	50	19637			15.00- 40.00	22.70
1.7788	1.8000	(0.000)	75	45634			30.00- 60.00	52.76
1.7788	1.8000	(0.000)	96	6564			5.00- 9.00	7.59
1.7788	1.8000	(0.000)	173	0			0.00- 2.00	0.00
1.7788	1.8000	(0.000)	174	55490			50.00- 0.00	64.15
1.7788	1.8000	(0.000)	175	3495			5.00- 9.00	6.30
1.7788	1.8000	(0.000)	176	54786			95.00- 101.00	98.73
1.7788	1.8000	(0.000)	177	4716			5.00- 9.00	8.61

Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\DT1598.D

Date : 24-OCT-2000 11:21

Client ID:

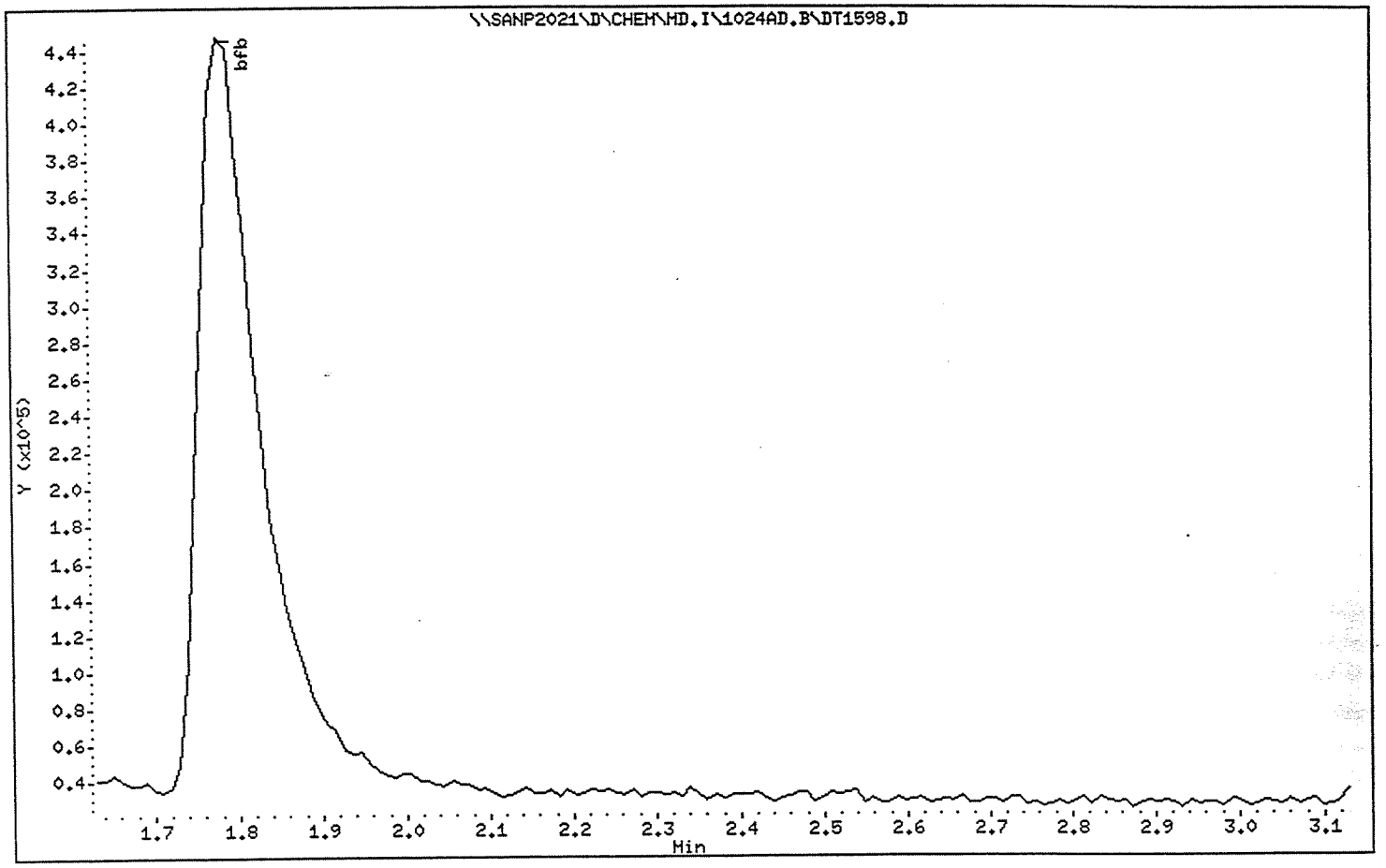
Instrument: md.i

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\1024AD.B\DT1598.D

Date : 24-OCT-2000 11:21

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: DT1598.D
Spectrum: Avg. Scans 15-17 (1.78), Background Scan 8
Location of Maximum: 95.00
Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1324	56.00	1989	75.00	45632	94.00	9751
37.00	5705	57.00	2328	76.00	4508	95.00	86496
38.00	4653	60.00	1345	77.00	985	96.00	6564
39.00	2299	61.00	4930	78.00	254	97.00	900
40.00	259	62.00	4239	79.00	2635	100.00	558
43.00	132	63.00	2934	80.00	992	119.00	65
44.00	602	67.00	968	81.00	1595	131.00	22
45.00	1627	68.00	9652	82.00	678	143.00	258
47.00	1555	69.00	9157	83.00	531	174.00	55488
48.00	261	70.00	1074	87.00	3955	175.00	3495
49.00	4266	71.00	18	88.00	3602	176.00	54784
50.00	19632	72.00	852	91.00	200	177.00	4716
51.00	5657	73.00	4216	92.00	2688	209.00	603
55.00	335	74.00	14829	93.00	4011		

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2581.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD
Method: \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m

Injection Date: 24-OCT-2000 13:16
Init. Cal. Date(s): 24-OCT-2000 24-OCT-2000
Init. Cal. Times: 12:13 14:20
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	1 Dichlorodifluoromethane	0.35932	0.36702	0.010	2.1	50.0
	2 Vinyl chloride (*)	0.24059	0.24334	0.010	1.1	20.0
	3 Chloromethane (**)	0.27602	0.26292	0.100	-4.7	50.0
	4 Bromomethane	0.15127	0.16084	0.010	6.3	50.0
	5 Chloroethane	0.12884	0.14884	0.010	15.5	50.0
	6 Trichlorofluoromethane	0.53680	0.59352	0.010	10.6	50.0
	7 Acrolein	0.01768	0.01833	0.001	3.7	50.0
	8 1,1-Dichloroethene(*)	0.24399	0.23840	0.010	-2.3	20.0
	9 1,1,2-Trichlorotrifluoroeth	0.30468	0.32014	0.010	5.1	50.0
	10 Acetone	0.06482	0.06305	0.010	-2.7	50.0
	11 Iodomethane	0.27257	0.29689	0.001	8.9	50.0
	12 Carbon disulfide	0.54902	0.57146	0.010	4.1	50.0
	13 Methylene chloride	0.27188	0.27703	0.010	1.9	50.0
	14 t-Butanol	0.00651	0.00685	0.001	5.1	20.0
	15 trans-1,2-Dichloroethene	0.28525	0.28388	0.010	-0.5	50.0
	16 Acrylonitrile	0.05231	0.05370	0.001	2.7	20.0
	17 Methyl-tert-butyl ether[MTB	0.71954	0.73696	0.010	2.4	50.0
	18 1,1-Dichloroethane (**)	0.54274	0.55196	0.100	1.7	50.0
	19 Vinyl acetate	0.79238	0.80618	0.010	1.7	50.0
	20 Isopropyl ether	1.13268	1.16928	0.010	3.2	20.0
	21 2,2-Dichloropropane	0.53598	0.54606	0.010	1.9	50.0
	22 Tert-butyl ethyl ether	0.98904	1.02142	0.010	3.3	20.0
	23 cis-1,2-Dichloroethene	0.30423	0.30714	0.010	1.0	50.0
	24 2-Butanone	0.11740	0.11601	0.010	-1.2	50.0
	25 Bromochloromethane	0.18007	0.18651	0.010	3.6	50.0
	26 Chloroform (*)	0.69643	0.71689	0.010	2.9	20.0
	27 Tetrahydrofuran	0.09862	0.10228	0.010	3.7	50.0
M	28 1,2-Dichloroethene (total)	0.29474	0.29551	0.010	0.3	50.0
$	29 Dibromofluoromethane	0.59113	0.59917	0.010	1.4	50.0
	30 1,1,1-Trichloroethane	0.62645	0.65099	0.010	3.9	50.0
	31 Carbon Tetrachloride	0.57812	0.59620	0.010	3.1	50.0
	32 1,1-Dichloropropene	0.53688	0.55421	0.010	3.2	50.0
$	33 1,2-Dichloroethane-d4	0.43098	0.41705	0.010	-3.2	50.0
	34 1,2-Dichloroethane-d4 2nd	0.09321	0.09601	0.010	3.0	50.0
	35 Benzene	0.89846	0.93509	0.010	4.1	50.0

10-25-00

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i Injection Date: 24-OCT-2000 13:16
Lab File ID: DS2581.D Init. Cal. Date(s): 24-OCT-2000 24-OCT-2000
Analysis Type: SOIL Init. Cal. Times: 12:13 14:20
Lab Sample ID: 50 PPB 8260B STD Quant Type: ISTD
Method: \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	36 1,2-Dichloroethane	0.47865	0.49178	0.010	2.7	50.0
	37 Tert-amyl methyl ether	0.96596	0.99431	0.010	2.9	20.0
	39 Trichloroethene	0.39012	0.41107	0.010	5.4	50.0
	40 1,2-Dichloropropane(*)	0.40033	0.41713	0.010	4.2	20.0
	41 Dibromomethane	0.33551	0.34315	0.010	2.3	50.0
	42 Bromodichloromethane	0.68558	0.72037	0.010	5.1	50.0
	43 1-Bromo-2-chloroethane	0.62726	0.65320	0.010	4.1	50.0
	44 2-Chloroethylvinyl ether	0.05840	0.06190	0.010	6.0	20.0
	45 cis-1,3-Dichloropropene	0.59057	0.61252	0.010	3.7	50.0
	46 4-Methyl-2-pentanone	0.36909	0.38970	0.010	5.6	50.0
$	47 Toluene-d8	1.18205	1.16675	0.010	-1.3	50.0
	48 Toluene (*)	1.31962	1.40552	0.010	6.5	20.0
	49 trans-1,3-Dichloropropene	0.65186	0.68442	0.010	5.0	50.0
	50 1,1,2-Trichloroethane	0.45747	0.48060	0.010	5.1	50.0
	51 Tetrachloroethene	0.45939	0.48822	0.010	6.3	50.0
	52 1,3-Dichloropropane	0.76925	0.81712	0.010	6.2	50.0
	53 2-Hexanone	0.34052	0.35919	0.010	5.5	50.0
	54 Dibromochloromethane	0.70662	0.74261	0.010	5.1	50.0
	55 1,2-Dibromoethane	0.63968	0.67765	0.010	5.9	50.0
	57 Chlorobenzene (**)	1.01584	1.07419	0.300	5.7	50.0
	58 1,1,1,2-Tetrachloroethane	0.53293	0.56517	0.010	6.0	50.0
	59 Ethylbenzene (*)	0.48544	0.52432	0.010	8.0	20.0
	60 m,p-Xylenes	0.59890	0.64193	0.010	7.2	50.0
	61 o-Xylene	0.59580	0.63839	0.010	7.1	50.0
	62 Styrene	0.95410	1.02801	0.010	7.7	50.0
M	63 Xylenes (total)	0.59787	0.64075	0.010	7.2	50.0
	64 Bromoform (**)	0.52838	0.56784	0.100	7.5	50.0
	65 Isopropylbenzene	1.76913	1.87731	0.010	6.1	50.0
	66 4-Bromofluorobenzene-2nd	0.94190	0.87199	0.010	-7.4	50.0
$	67 4-Bromofluorobenzene	1.56185	1.44481	0.010	-7.5	50.0
	68 Bromobenzene	0.88483	0.90462	0.010	2.2	50.0
	69 1,1,2,2-Tetrachloroethane(*	1.25607	1.27384	0.300	1.4	50.0
	70 1,2,3-Trichloropropane	0.35090	0.35221	0.010	0.4	50.0
	71 n-Propylbenzene	3.24826	3.49272	0.010	7.5	50.0
	72 2-Chlorotoluene	0.69859	0.70243	0.010	0.5	50.0
	73 4-Chlorotoluene	0.73473	0.73275	0.010	-0.3	50.0

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: md.i
Lab File ID: DS2581.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B STD
Method: \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m

Injection Date: 24-OCT-2000 13:16
Init. Cal. Date(s): 24-OCT-2000 24-OCT-2000
Init. Cal. Times: 12:13 14:20
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
74 1,3,5-Trimethylbenzene	2.46442	2.49036	0.010	1.1	50.0
75 tert-Butylbenzene	2.52551	2.58831	0.010	2.5	50.0
76 1,2,4-Trimethylbenzene	2.47398	2.51973	0.010	1.8	50.0
77 sec-Butylbenzene	3.37956	3.46773	0.010	2.6	50.0
78 1,3-Dichlorobenzene	1.48278	1.51869	0.010	2.4	50.0
80 1,4-Dichlorobenzene	1.57159	1.60934	0.010	2.4	50.0
81 p-Isopropyltoluene	2.62904	2.72175	0.010	3.5	50.0
82 1,2-Dichlorobenzene	1.42843	1.45037	0.010	1.5	50.0
83 n-Butylbenzene	2.66820	2.75840	0.010	3.4	50.0
84 1,2-Dibromo-3-chloropropane	0.33197	0.32472	0.010	-2.2	50.0
85 1,2,4-Trichlorobenzene	1.13411	1.15395	0.010	1.8	50.0
86 Hexachlorobutadiene	0.61891	0.72393	0.010	17.0	50.0
87 Napthalene	2.14822	2.16345	0.010	0.7	50.0
88 1,2,3-Trichlorobenzene	1.04576	1.06424	0.010	1.8	50.0

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: md.i
Lab File ID: DS2581.D
Lab Smp Id: 50 PPB 8260B STD
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Misc Info: 1273-1;66-1;73-2,,5,,2,all.SUB

Calibration Date: 24-OCT-2000
Calibration Time: 15:18

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	2805718	1402859	5611436	2508747	-10.58
56 Chlorobenzene-d5	2158687	1079344	4317374	1950718	-9.63
79 1,4-Dichlorobenze	1271055	635528	2542110	1222973	-3.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
38 Fluorobenzene	7.09	6.59	7.59	7.09	-0.04
56 Chlorobenzene-d5	12.61	12.11	13.11	12.60	-0.02
79 1,4-Dichlorobenze	17.25	16.75	17.75	17.24	-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 : \\SANP2021\D\chem\md.i\1024AD.B\DS2581.D
Lab Smp Id: 50 PPB 8260B STD
Inj Date : 24-OCT-2000 13:16
Operator : GFB Inst ID: md.i
Smp Info : 50 PPB 8260B STD,,,3,0,,,8260BDA.M
Misc Info : 1273-1;66-1;73-2,,5,,2,all.SUB
Comment :
Method : \\SANP2021\D\chem\md.i\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 17:40 beckmang Quant Type: ISTD
Cal Date : 24-OCT-2000 14:20 Cal File: DS2583.D
Als bottle: 4 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	1.471	1.471	(0.208)	920758	50.0000	51.07
2 Vinyl chloride (*)	62	1.708	1.708	(0.241)	610480	50.0000	50.57
3 Chloromethane (**)	50	1.629	1.629	(0.230)	659612	50.0000	47.63
4 Bromomethane	94	1.984	1.984	(0.280)	403513	50.0000	53.16
5 Chloroethane	64	2.072	2.072	(0.292)	373409	50.0000	57.76
6 Trichlorofluoromethane	101	2.299	2.299	(0.324)	1488985	50.0000	55.28
7 Acrolein	56	2.703	2.703	(0.381)	459903	500.000	518.4(AQ)
8 1,1-Dichloroethene(*)	96	2.782	2.782	(0.393)	598074	50.0000	48.85
9 1,1,2-Trichlorotrifluoroethan	151	2.792	2.792	(0.394)	803160	50.0000	52.54
10 Acetone	43	2.870	2.870	(0.405)	790908	250.000	243.2(Q)
11 Iodomethane	142	2.939	2.939	(0.415)	1489656	100.000	108.9(A)
12 Carbon disulfide	76	3.008	3.008	(0.424)	1433643	50.0000	52.04
13 Methylene chloride	84	3.333	3.333	(0.470)	695010	50.0000	50.95
14 t-Butanol	59	3.580	3.580	(0.505)	429373	1250.00	1314

	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	3.668	3.668	(0.518)	712182	50.0000	49.76
	16 Acrylonitrile	53	3.659	3.659	(0.516)	1347080	500.000	513.3(A)
	17 Methyl-tert-butyl ether[MTBE]	73	3.708	3.708	(0.523)	1848845	50.0000	51.21
	18 1,1-Dichloroethane (**)	63	4.260	4.260	(0.601)	1384720	50.0000	50.85
	19 Vinyl acetate	43	4.398	4.398	(0.620)	4045006	100.000	101.7(A)
	20 Isopropyl ether	45	4.437	4.437	(0.626)	2933419	50.0000	51.62
	21 2,2-Dichloropropane	77	5.146	5.146	(0.726)	1369932	50.0000	50.94
	22 Tert-butyl ethyl ether	59	4.998	4.998	(0.705)	2562474	50.0000	51.64
	23 cis-1,2-Dichloroethene	96	5.166	5.166	(0.729)	770527	50.0000	50.48
	24 2-Butanone	43	5.265	5.265	(0.743)	1455239	250.000	247.0
	25 Bromochloromethane	128	5.550	5.550	(0.783)	467915	50.0000	51.79
	26 Chloroform (*)	83	5.718	5.718	(0.807)	1798495	50.0000	51.47
	27 Tetrahydrofuran	42	5.668	5.668	(0.800)	256602	50.0000	51.86
M	28 1,2-Dichloroethene (total)	100				1482709	100.000	100.2
$	29 Dibromofluoromethane	111	5.984	5.984	(0.844)	1503166	50.0000	50.68
	30 1,1,1-Trichloroethane	97	5.964	5.964	(0.842)	1633168	50.0000	51.96
	31 Carbon Tetrachloride	117	6.240	6.240	(0.880)	1495708	50.0000	51.56
	32 1,1-Dichloropropene	75	6.250	6.250	(0.882)	1390382	50.0000	51.61
$	33 1,2-Dichloroethane-d4	65	6.516	6.516	(0.919)	1046261	50.0000	48.38
	34 1,2-Dichloroethane-d4 2nd	102	6.516	6.516	(0.919)	240861	50.0000	51.50
	35 Benzene	78	6.585	6.585	(0.929)	2345911	50.0000	52.04
	36 1,2-Dichloroethane	62	6.644	6.644	(0.937)	1233741	50.0000	51.37
	37 Tert-amyl methyl ether	73	6.870	6.870	(0.969)	2494467	50.0000	51.47
*	38 Fluorobenzene	96	7.087	7.087	(1.000)	2508747	50.0000	
	39 Trichloroethene	130	7.728	7.728	(1.090)	1031265	50.0000	52.68
	40 1,2-Dichloropropane(*)	63	8.112	8.112	(1.145)	1046474	50.0000	52.10
	41 Dibromomethane	93	8.309	8.309	(1.172)	860868	50.0000	51.14
	42 Bromodichloromethane	83	8.644	8.644	(1.220)	1807223	50.0000	52.54
	43 1-Bromo-2-chloroethane	63	9.146	9.146	(1.291)	1638723	50.0000	52.07
	44 2-Chloroethylvinyl ether	106	9.245	9.245	(1.304)	310561	100.000	106.0(A)
	45 cis-1,3-Dichloropropene	75	9.452	9.452	(1.334)	1536658	50.0000	51.86
	46 4-Methyl-2-pentanone	43	9.806	9.806	(1.384)	4888233	250.000	264.0
$	47 Toluene-d8	98	9.915	9.915	(0.787)	2276001	50.0000	49.35
	48 Toluene (*)	91	10.033	10.033	(0.796)	2741769	50.0000	53.25
	49 trans-1,3-Dichloropropene	75	10.506	10.506	(0.834)	1335111	50.0000	52.50
	50 1,1,2-Trichloroethane	97	10.821	10.821	(0.859)	937519	50.0000	52.53
	51 Tetrachloroethene	164	11.038	11.038	(0.876)	952375	50.0000	53.14
	52 1,3-Dichloropropane	76	11.117	11.117	(0.882)	1593966	50.0000	53.11
	53 2-Hexanone	43	11.373	11.373	(0.902)	3503415	250.000	263.7
	54 Dibromochloromethane	129	11.531	11.531	(0.915)	1448615	50.0000	52.55
	55 1,2-Dibromoethane	107	11.688	11.688	(0.927)	1321903	50.0000	52.97
*	56 Chlorobenzene-d5	117	12.604	12.604	(1.000)	1950718	50.0000	
	57 Chlorobenzene (**)	112	12.654	12.654	(1.004)	2095445	50.0000	52.87
	58 1,1,1,2-Tetrachloroethane	131	12.851	12.851	(1.020)	1102493	50.0000	53.02
	59 Ethylbenzene (*)	106	12.910	12.910	(1.024)	1022810	50.0000	54.00
	60 m,p-Xylenes	106	13.156	13.156	(1.044)	2504460	100.000	107.2
	61 o-Xylene	106	13.915	13.915	(1.104)	1245322	50.0000	53.57

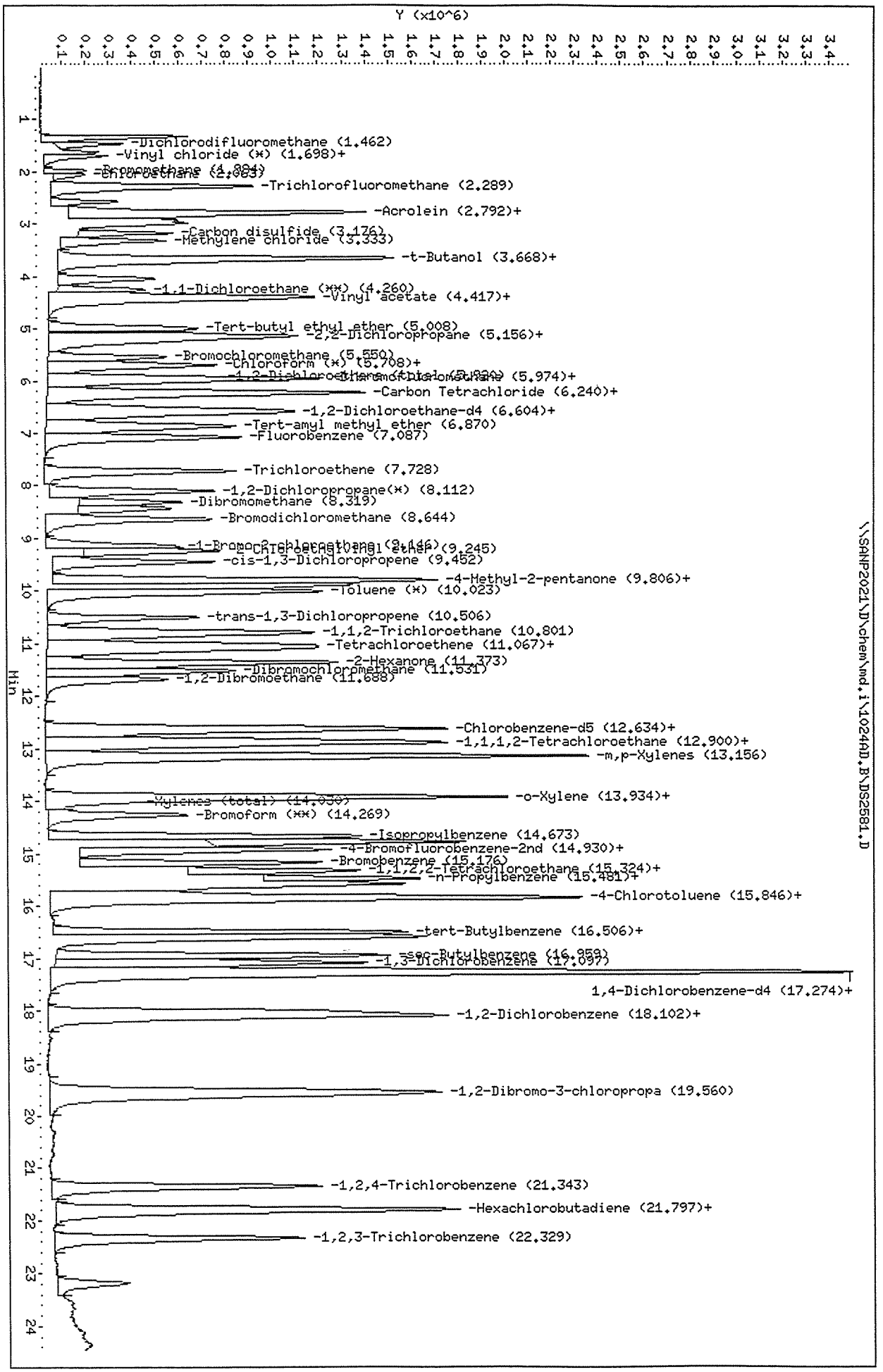
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	62 Styrene	104	13.954	13.954	(1.107)	2005365	50.0000	53.87
M	63 Xylenes (total)	100				3749782	150.000	160.8
	64 Bromoform (**)	173	14.269	14.269	(1.132)	1107693	50.0000	53.73
	65 Isopropylbenzene	105	14.673	14.673	(1.164)	3662110	50.0000	53.06
	66 4-Bromofluorobenzene-2nd	174	14.939	14.939	(0.866)	1066425	50.0000	46.29
$	67 4-Bromofluorobenzene	95	14.930	14.930	(0.866)	1766963	50.0000	46.25
	68 Bromobenzene	156	15.176	15.176	(0.880)	1106324	50.0000	51.12
	69 1,1,2,2-Tetrachloroethane(**)	83	15.324	15.324	(0.889)	1557877	50.0000	50.71
	70 1,2,3-Trichloropropane	110	15.343	15.343	(0.890)	430740	50.0000	50.18
	71 n-Propylbenzene	91	15.491	15.491	(0.898)	4271503	50.0000	53.76
	72 2-Chlorotoluene	126	15.600	15.600	(0.905)	859051	50.0000	50.27
	73 4-Chlorotoluene	126	15.836	15.836	(0.918)	896139	50.0000	49.86
	74 1,3,5-Trimethylbenzene	105	15.875	15.875	(0.921)	3045648	50.0000	50.53
	75 tert-Butylbenzene	119	16.506	16.506	(0.957)	3165431	50.0000	51.24
	76 1,2,4-Trimethylbenzene	105	16.614	16.614	(0.963)	3081565	50.0000	50.92
	77 sec-Butylbenzene	105	16.949	16.949	(0.983)	4240938	50.0000	51.30
	78 1,3-Dichlorobenzene	146	17.097	17.097	(0.991)	1857313	50.0000	51.21
*	79 1,4-Dichlorobenzene-d4	152	17.245	17.245	(1.000)	1222973	50.0000	
	80 1,4-Dichlorobenzene	146	17.284	17.284	(1.002)	1968184	50.0000	51.20
	81 p-Isopropyltoluene	119	17.284	17.284	(1.002)	3328631	50.0000	51.76
	82 1,2-Dichlorobenzene	146	18.013	18.013	(1.045)	1773759	50.0000	50.77
	83 n-Butylbenzene	91	18.112	18.112	(1.050)	3373454	50.0000	51.69
	84 1,2-Dibromo-3-chloropropane	157	19.639	19.639	(1.139)	397122	50.0000	48.91(Q)
	85 1,2,4-Trichlorobenzene	180	21.353	21.353	(1.238)	1411253	50.0000	50.88
	86 Hexachlorobutadiene	225	21.777	21.777	(1.263)	885351	50.0000	58.48
	87 Napthalene	128	21.816	21.816	(1.265)	2645846	50.0000	50.35
	88 1,2,3-Trichlorobenzene	180	22.338	22.338	(1.295)	1301538	50.0000	50.88

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\1024AD.B\DS2581.D
Date : 24-OCT-2000 13:16
Client ID:
Sample Info: 50 PPB 8260B STD,,3,0,,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\1024AD.B\D13351.D
Lab Smp Id: LCS-1024AD Client Smp ID: D13351
Inj Date : 24-OCT-2000 15:18
Operator : GFB Inst ID: md.i
Smp Info : LCS-1024AD,LCS,2,,0,1,0,8260BDA.M,D13351
Misc Info : 1271-2,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 15:08 beckmang Quant Type: ISTD
Cal Date : 24-OCT-2000 14:20 Cal File: DS2583.D
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
8 1,1-Dichloroethene(*)	96	2.785	2.766	(0.393)	644494	47.0724	47.07	
$ 29 Dibromofluoromethane	111	5.987	5.987	(0.844)	1779865	53.6572	53.66	
$ 33 1,2-Dichloroethane-d4	65	6.519	6.519	(0.919)	1230632	50.8855	50.88	
34 1,2-Dichloroethane-d4 2nd	102	6.519	6.519	(0.919)	307639	58.8192	58.82	
35 Benzene	78	6.588	6.579	(0.929)	2533686	50.2552	50.26	
* 38 Fluorobenzene	96	7.090	7.091	(1.000)	2805718	50.0000		
39 Trichloroethene	130	7.730	7.721	(1.090)	1059356	48.3911	48.39	
$ 47 Toluene-d8	98	9.918	9.918	(0.787)	2873038	56.2970	56.30	
48 Toluene (*)	91	10.026	10.046	(0.795)	2798660	49.1224	49.12	
* 56 Chlorobenzene-d5	117	12.607	12.598	(1.000)	2158687	50.0000		
57 Chlorobenzene (**)	112	12.657	12.667	(1.004)	2153919	49.1116	49.11	
$ 67 4-Bromofluorobenzene	95	14.942	14.963	(0.866)	2065064	52.0115	52.01	
66 4-Bromofluorobenzene-2nd	174	14.942	14.963	(0.866)	1220601	50.9770	50.98	
* 79 1,4-Dichlorobenzene-d4	152	17.248	17.268	(1.000)	1271055	50.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

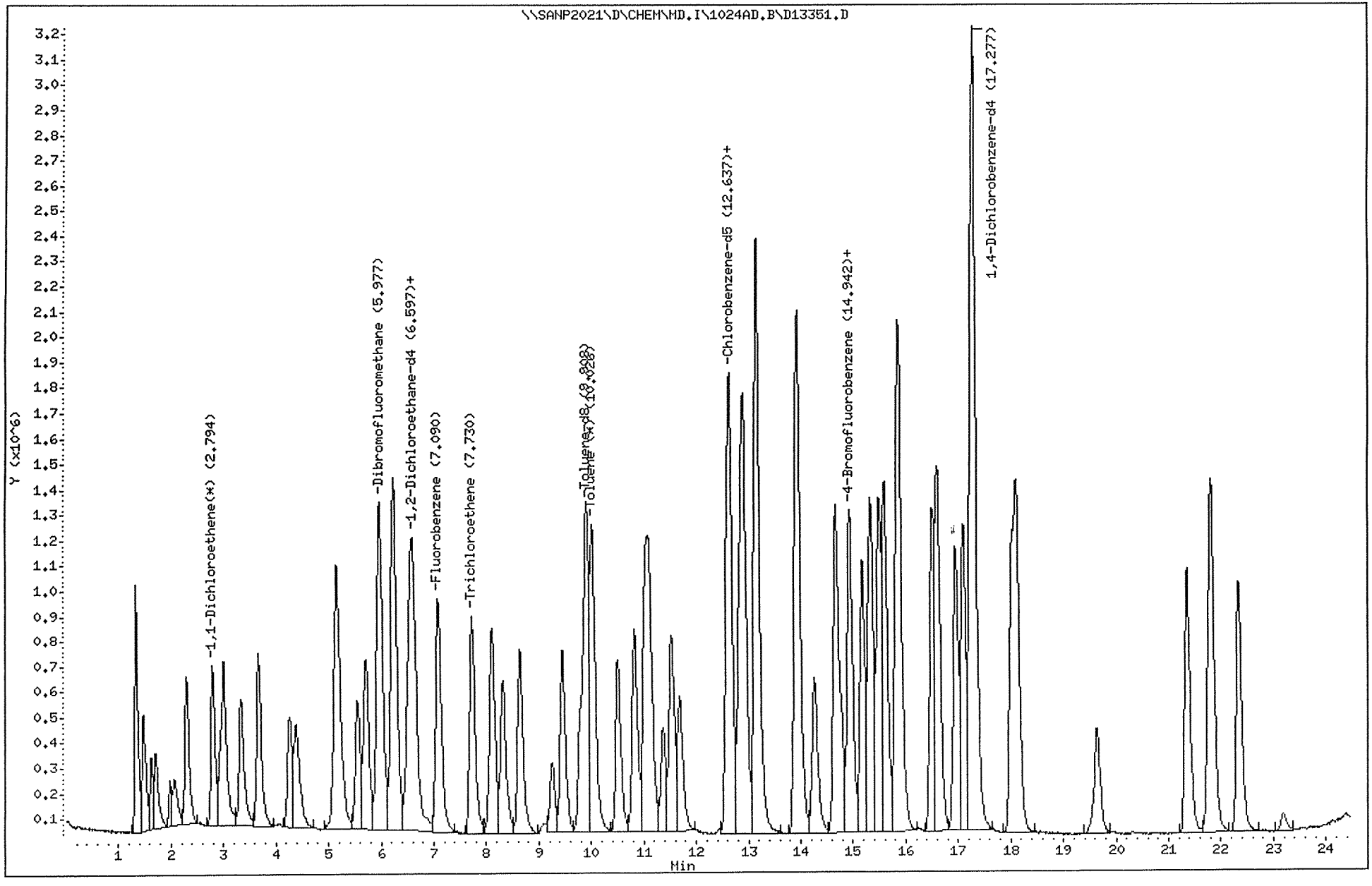
Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13351.D
Date : 24-OCT-2000 15:18
Client ID: D13351
Sample Info: LCS-1024AD,LCS,2,,0,1,0,8260BDA.M,D13351

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



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STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1024AD.B\D13352.D
Lab Smp Id: MB-1024AD Client Smp ID: D13352
Inj Date : 24-OCT-2000 15:49
Operator : GFB Inst ID: md.i
Smp Info : MB-1024AD,BLANK,2,,0,1,0,8260BDA.M,D13352
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 15:08 beckmang Quant Type: ISTD
Cal Date : 24-OCT-2000 14:20 Cal File: DS2583.D
Als bottle: 8 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)
19 Vinyl acetate	43	4.420	4.411	(0.623)	9346	0.21989	0.220(a)
$ 29 Dibromofluoromethane	111	5.977	5.987	(0.843)	1478895	46.6358	46.64
$ 33 1,2-Dichloroethane-d4	65	6.509	6.519	(0.918)	1019156	44.0807	44.08
34 1,2-Dichloroethane-d4 2nd	102	6.509	6.519	(0.918)	231582	46.3154	46.32
36 1,2-Dichloroethane	62	7.090	6.647	(1.000)	41905	1.63202	1.63(aQ)
* 38 Fluorobenzene	96	7.090	7.091	(1.000)	2682271	50.0000	
$ 47 Toluene-d8	98	9.908	9.918	(0.786)	2544529	50.0824	50.08
* 56 Chlorobenzene-d5	117	12.597	12.598	(1.000)	2149095	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.932	14.963	(0.866)	1112070	45.0464	45.05
$ 67 4-Bromofluorobenzene	95	14.932	14.963	(0.866)	1916197	46.8094	46.81
* 79 1,4-Dichlorobenzene-d4	152	17.248	17.268	(1.000)	1310500	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\1024AD.B\D13352.D
Lab Smp Id: MB-1024AD Client Smp ID: D13352
Inj Date : 24-OCT-2000 15:49
Operator : GFB Inst ID: md.i
Smp Info : MB-1024AD,BLANK,2,,0,1,0,8260BDA.M,D13352
Misc Info : ,,5,,3,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 21:00 beckmang Quant Type: ISTD
Cal Date : 24-OCT-2000 14:20 Cal File: DS2583.D
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

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TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1024AD
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13352
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

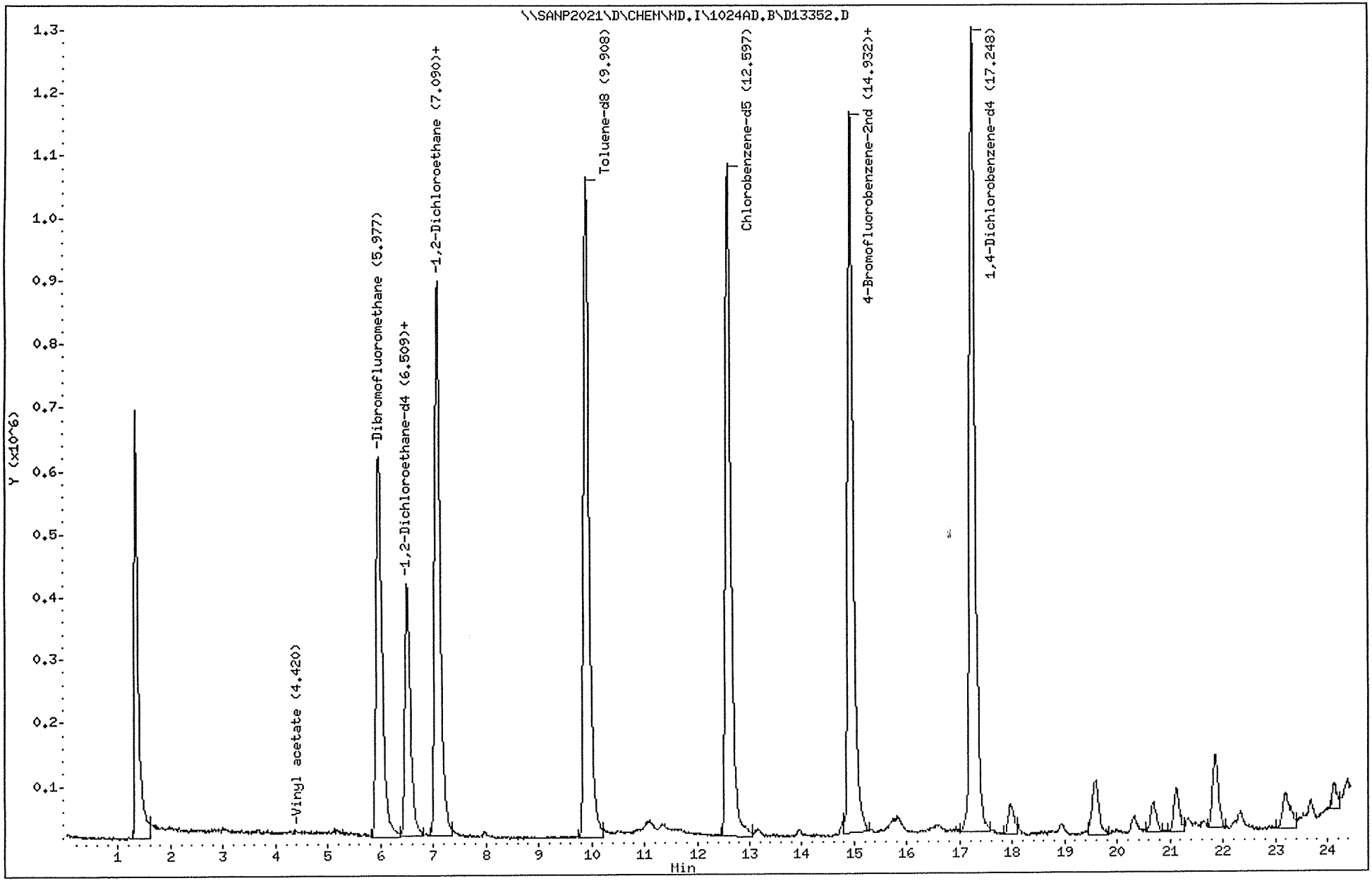
Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13352.D
Date : 24-OCT-2000 15:49
Client ID: D13352
Sample Info: MB-1024AD,BLANK,2,,0,1,0,8260BDA.M,D13352

Instrument: md.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



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Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13352.D

Date : 24-OCT-2000 15:49

Client ID: D13352

Instrument: md.i

Sample Info: MB-1024AD,BLANK,2,,0,1,0,8260BDA.M,D13352

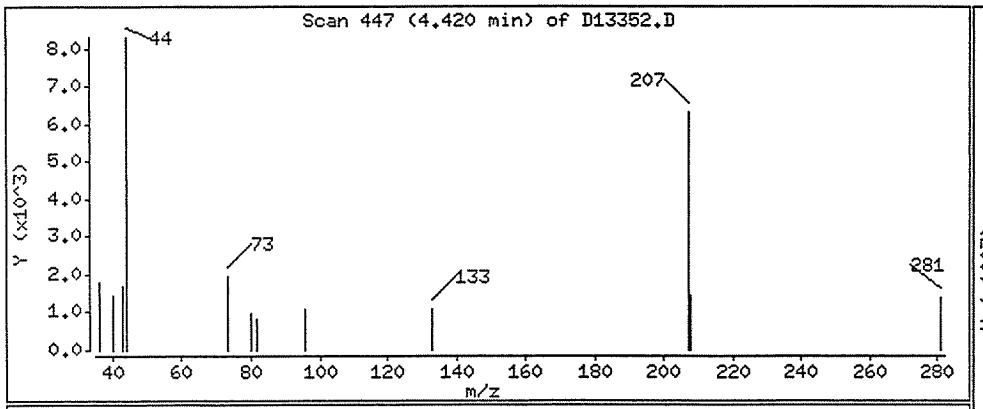
Operator: GFB

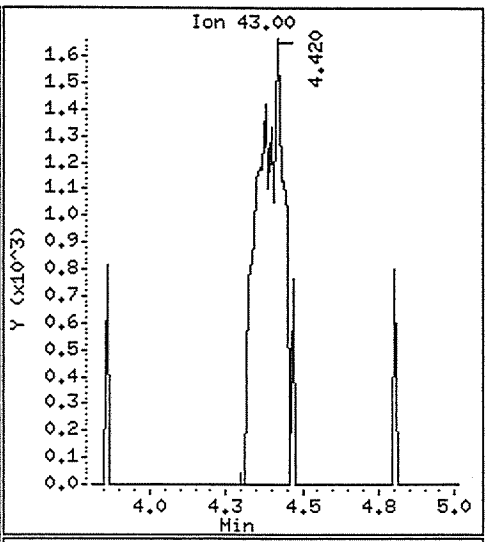
Column phase: J&W DB-624

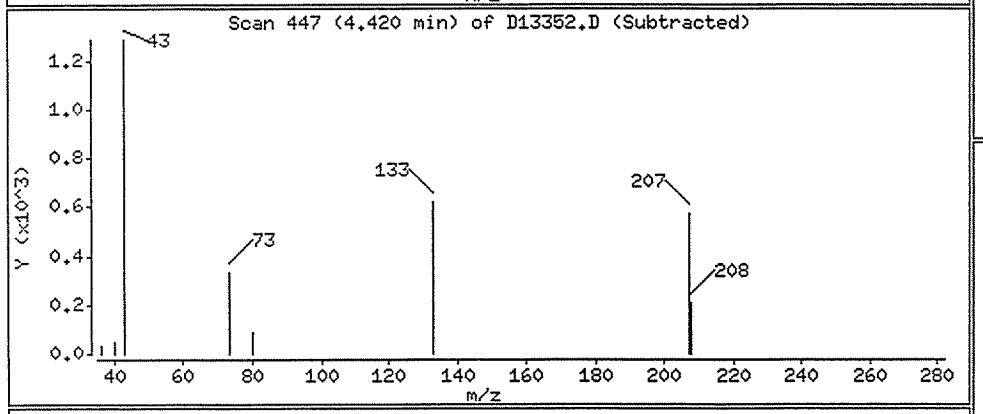
Column diameter: 0.53

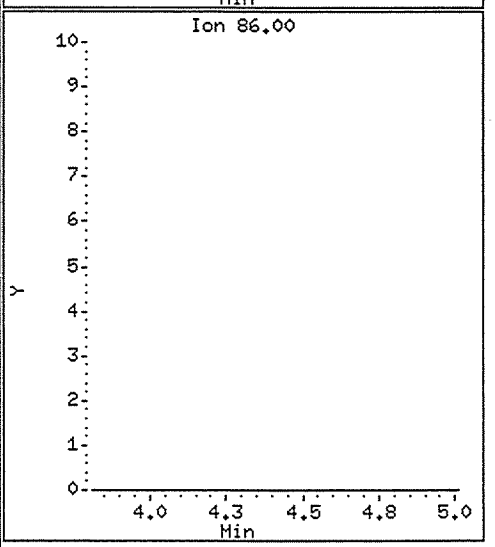
19 Vinyl acetate

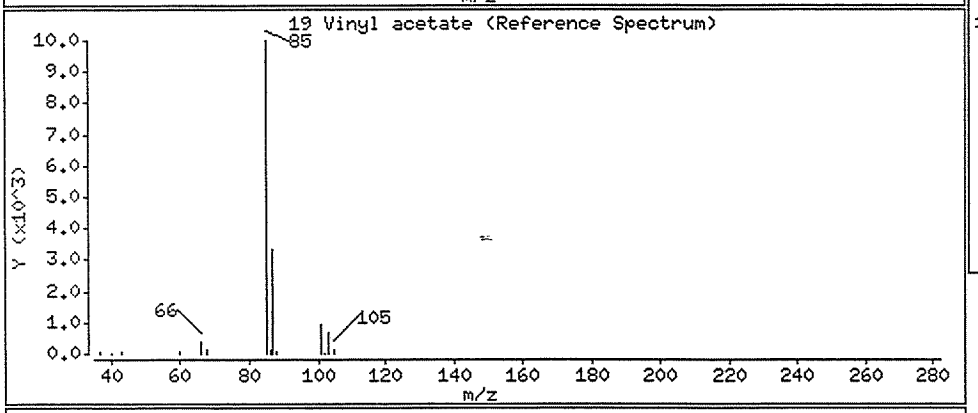
Concentration: 0.220 ug/Kg

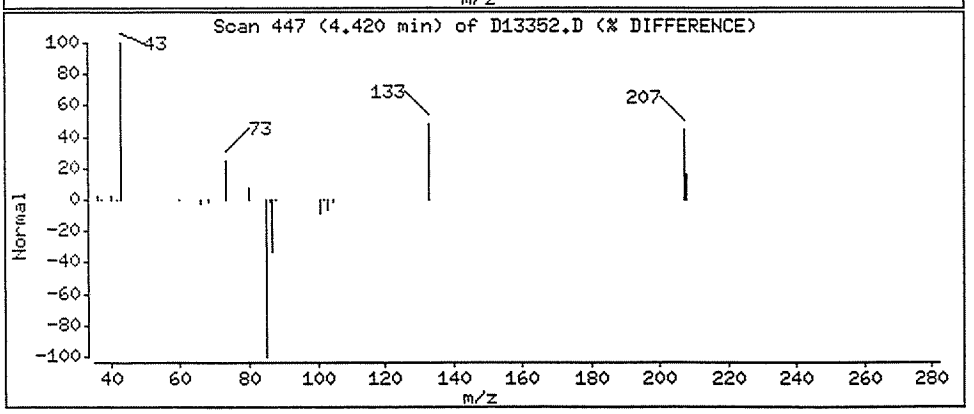












000777

Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13352.D

Date : 24-OCT-2000 15:49

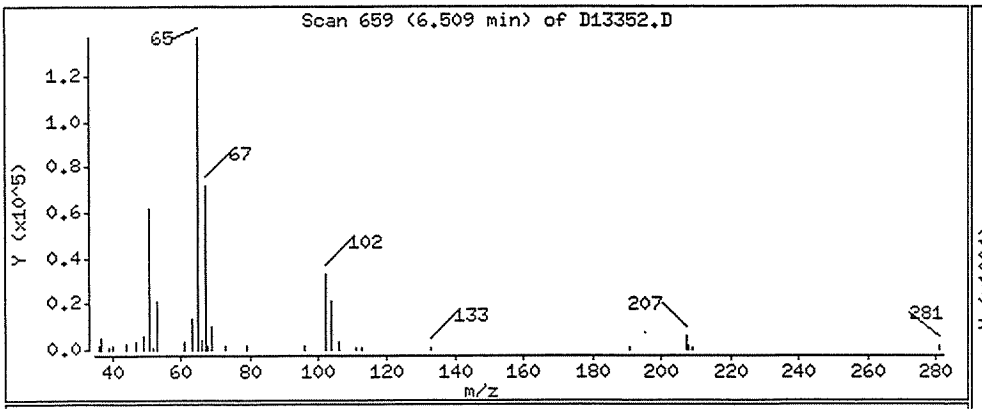
Client ID: D13352 Instrument: md.i

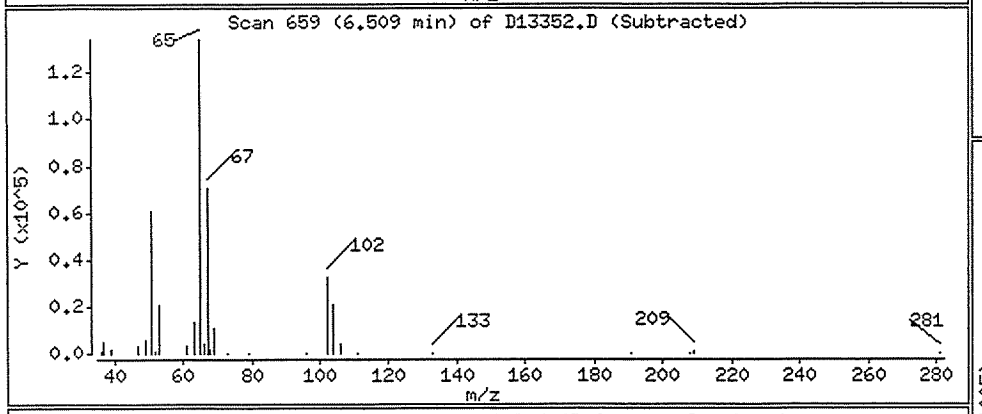
Sample Info: MB-1024AD,BLANK,2,,0,1,0,8260BDA.M,D13352

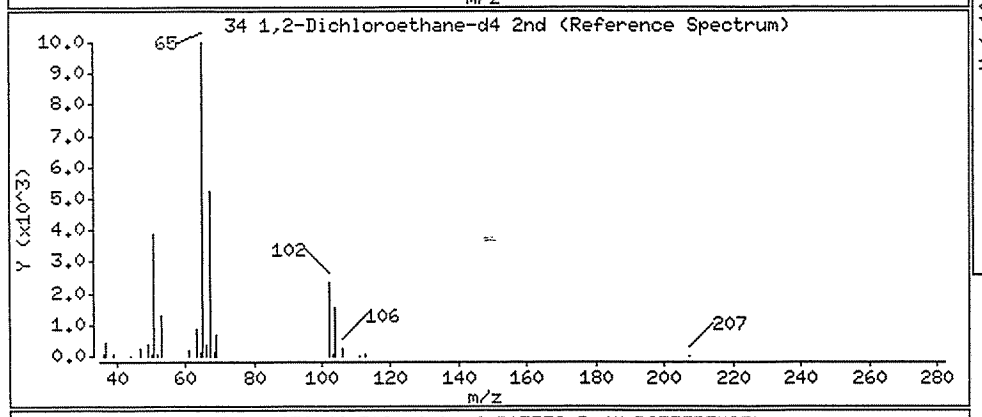
Operator: GFB

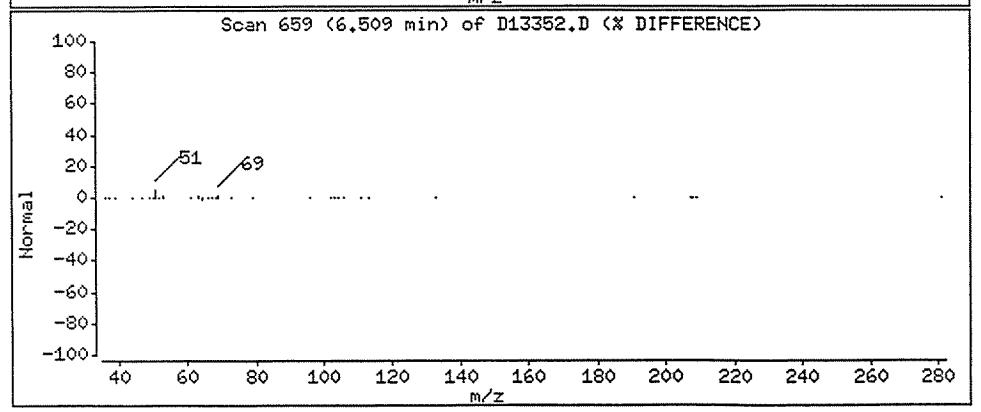
Column phase: J&W DB-624 Column diameter: 0.53

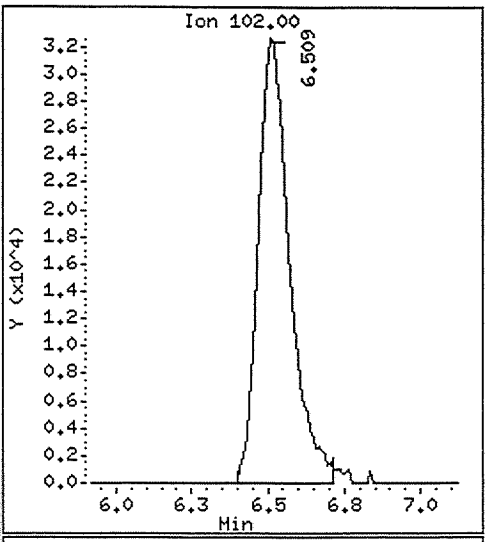
34 1,2-Dichloroethane-d4 2nd Concentration: 46.32 ug/Kg

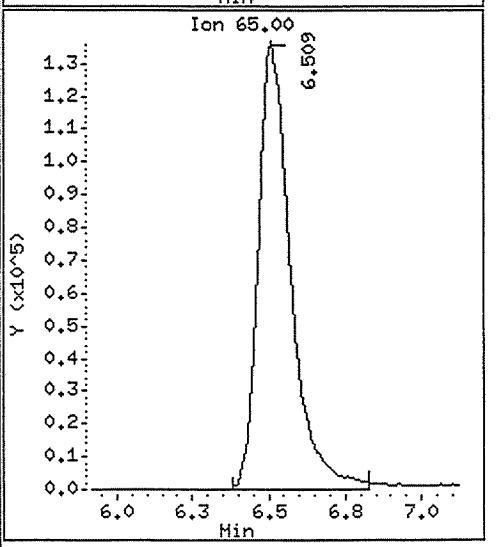












Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13352.D

Date : 24-OCT-2000 15:49

Client ID: D13352

Instrument: md.i

Sample Info: MB-1024AD,BLANK,2,,0,1,0,8260BDA.M,D13352

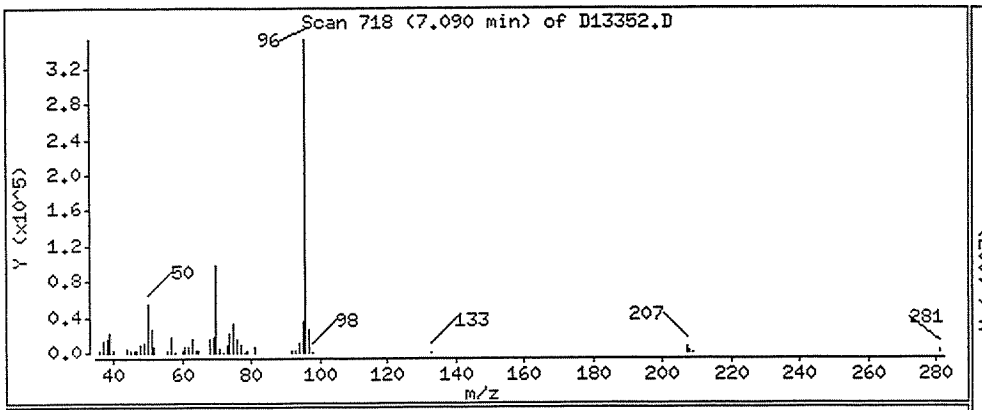
Operator: GFB

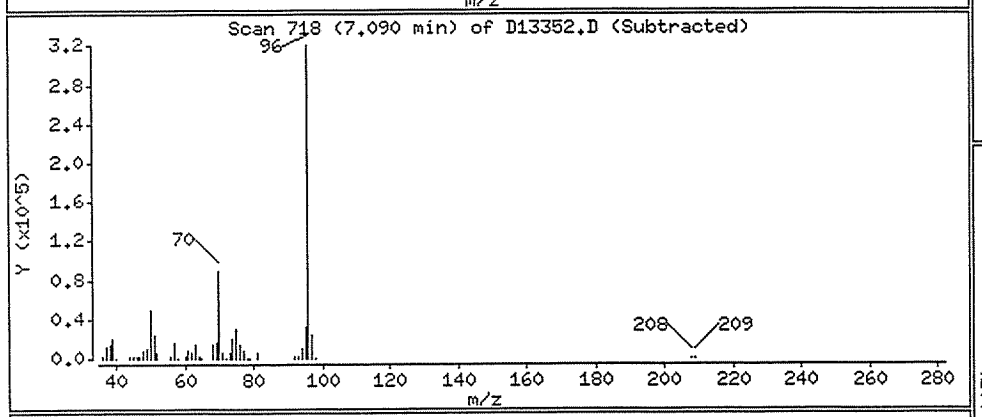
Column phase: J&W DB-624

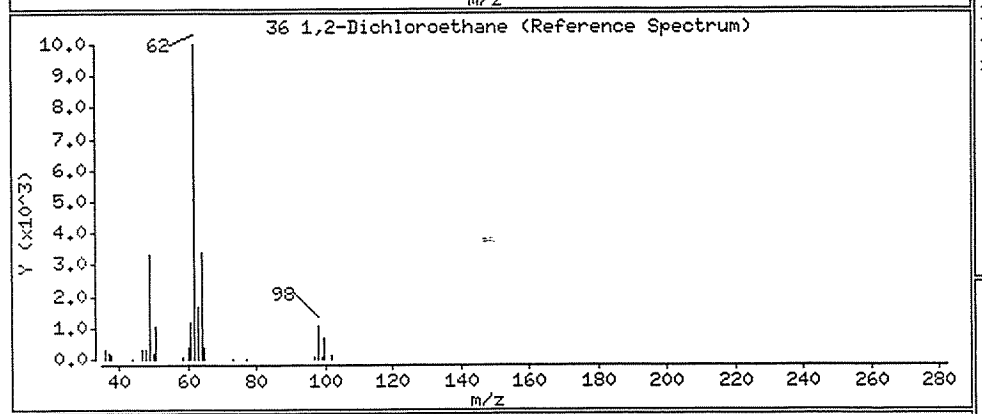
Column diameter: 0.53

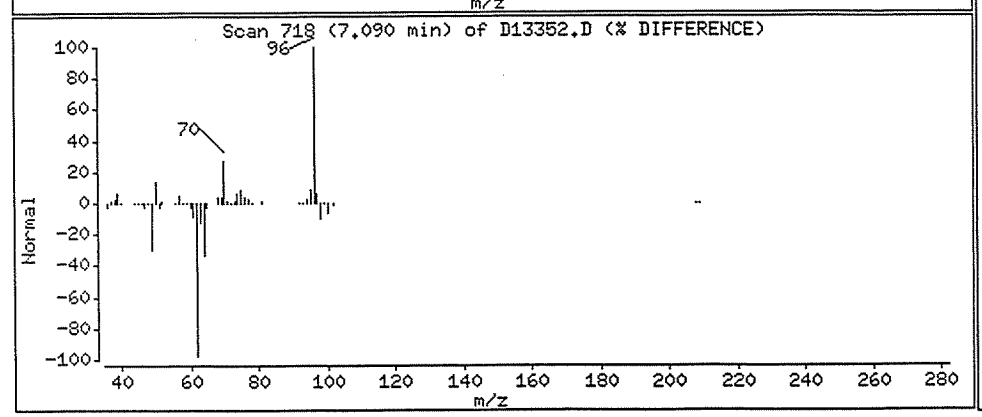
36 1,2-Dichloroethane

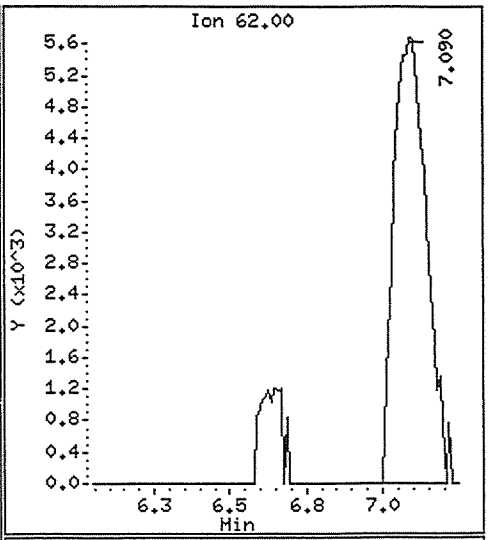
Concentration: 1.63 ug/Kg

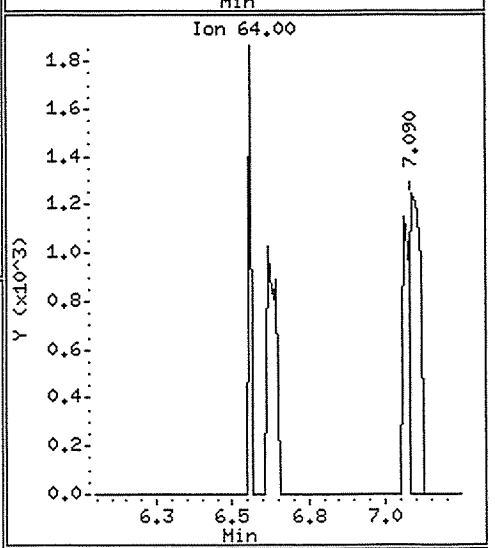


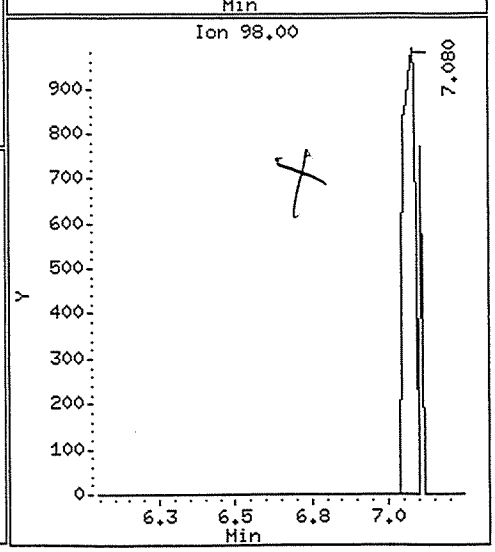












Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13352.D

Date : 24-OCT-2000 15:49

Client ID: D13352

Instrument: md.i

Sample Info: MB-1024AD,BLANK,2,,0,1,0,8260BDA.M,D13352

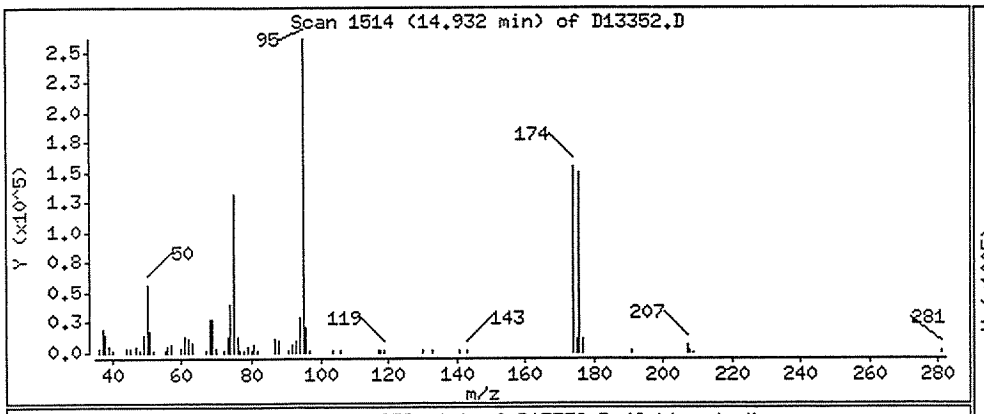
Operator: GFB

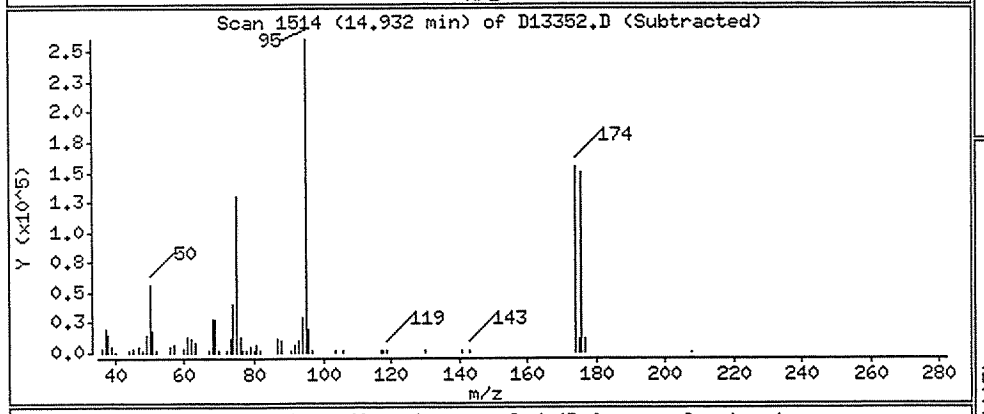
Column phase: J&W DB-624

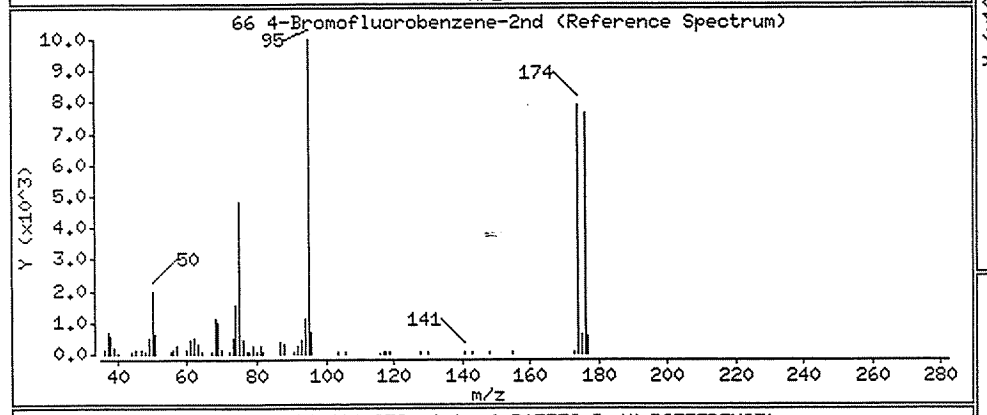
Column diameter: 0.53

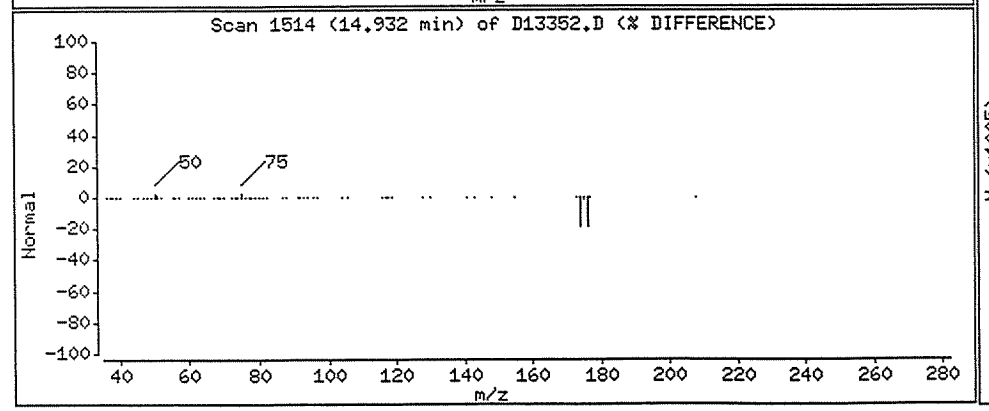
66 4-Bromofluorobenzene-2nd

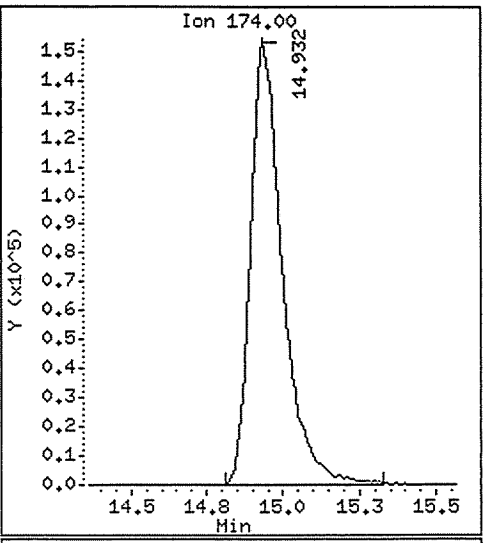
Concentration: 45.05 ug/Kg

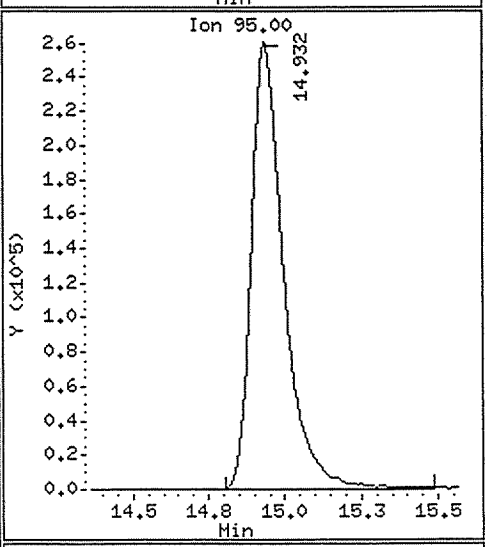


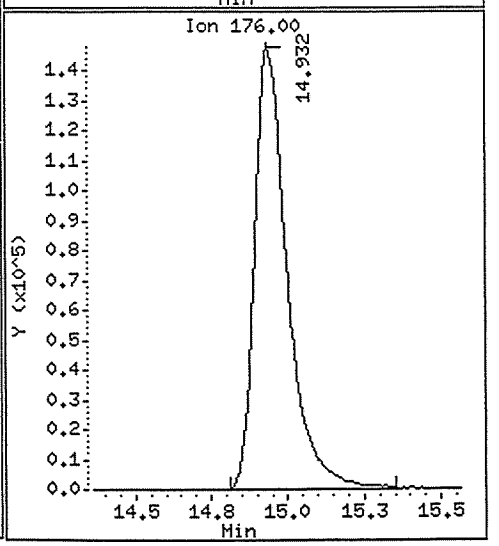












STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1024AD.B\D13357.D
Lab Smp Id: DM1A81AC Client Smp ID: D13357
Inj Date : 24-OCT-2000 18:30
Operator : GFB Inst ID: md.i
Smp Info : DM1A81AC,MS,2,,0,1,0,8260BDA.M,D13357
Misc Info : 284-28S,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 17:41 beckmang Quant Type: ISTD
Cal Date : 24-OCT-2000 14:20 Cal File: DS2583.D
Als bottle: 13 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	2.781	2.782	(0.393)	561821	47.7224	47.72
$ 29 Dibromofluoromethane	111	5.963	5.984	(0.843)	1456421	51.0628	51.06
$ 33 1,2-Dichloroethane-d4	65	6.505	6.516	(0.919)	980643	47.1578	47.16
34 1,2-Dichloroethane-d4 2nd	102	6.515	6.516	(0.921)	219461	48.7991	48.80
35 Benzene	78	6.584	6.585	(0.930)	2139902	49.3627	49.36
* 38 Fluorobenzene	96	7.076	7.087	(1.000)	2412500	50.0000	
39 Trichloroethene	130	7.717	7.728	(1.090)	926239	49.2066	49.21
$ 47 Toluene-d8	98	9.904	9.915	(0.787)	2344183	52.4362	52.44
48 Toluene (*)	91	10.022	10.033	(0.796)	2458489	49.2599	49.26
* 56 Chlorobenzene-d5	117	12.584	12.604	(1.000)	1891012	50.0000	
57 Chlorobenzene (**)	112	12.643	12.654	(1.005)	1866583	48.5844	48.58
$ 67 4-Bromofluorobenzene	95	14.929	14.930	(0.866)	1810585	48.3739	48.37
66 4-Bromofluorobenzene-2nd	174	14.929	14.939	(0.866)	1052104	46.6107	46.61
* 79 1,4-Dichlorobenzene-d4	152	17.234	17.245	(1.000)	1198224	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13357.D

Date : 24-OCT-2000 18:30

Client ID: D13357

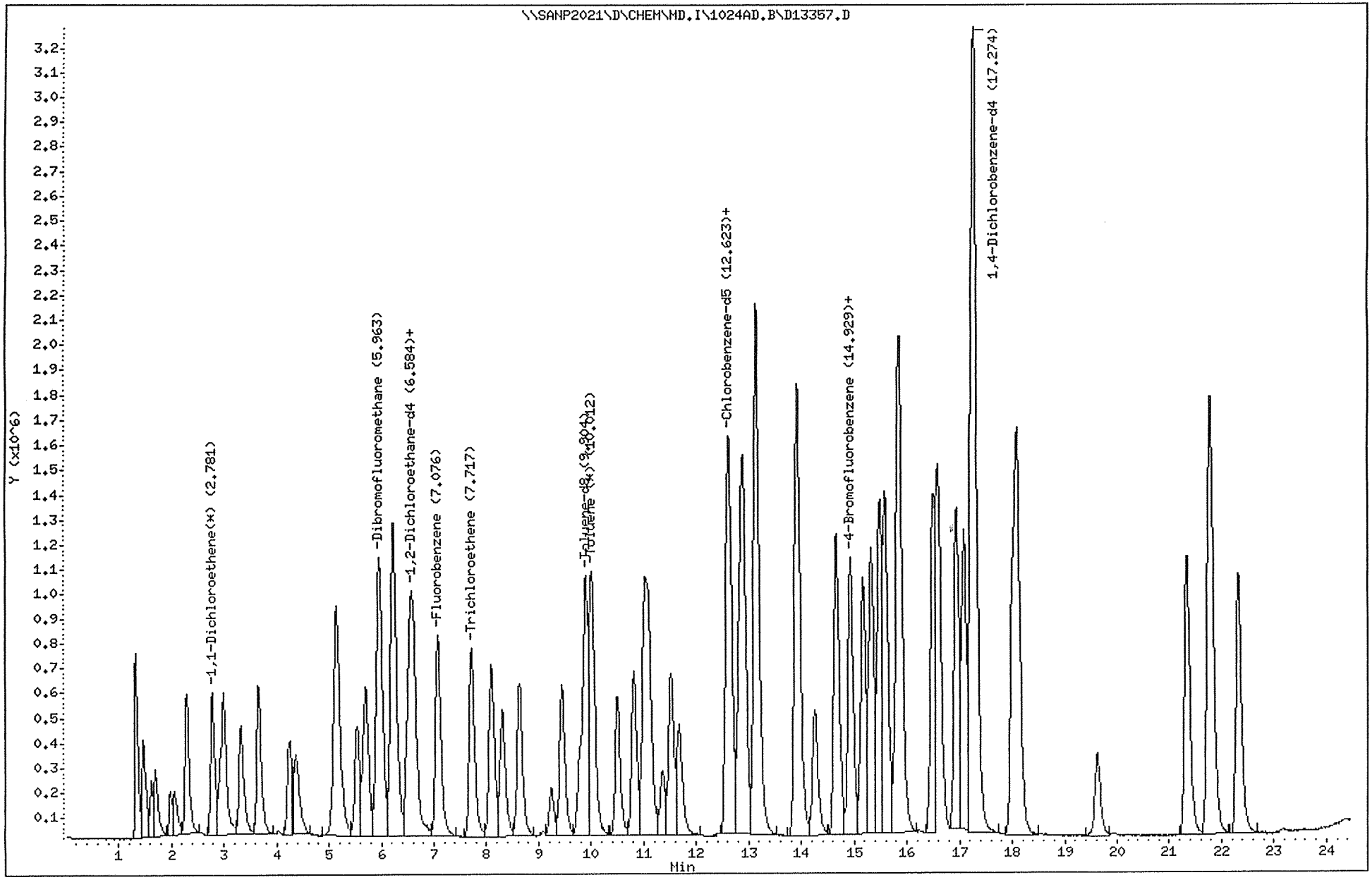
Sample Info: DM1A81AC,MS,2,,0,1,0,8260BDA.M,D13357

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB

Column diameter: 0.53



BOE-C6-0165397

28000

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1024AD.B\D13358.D
Lab Smp Id: DM1A81AD Client Smp ID: D13358
Inj Date : 24-OCT-2000 19:01
Operator : GFB Inst ID: md.i
Smp Info : DM1A81AD,MSD,2,,0,1,0,8260BDA.M,D13358
Misc Info : 284-28D,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 17:41 beckmang Quant Type: ISTD
Cal Date : 24-OCT-2000 14:20 Cal File: DS2583.D
Als bottle: 14 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

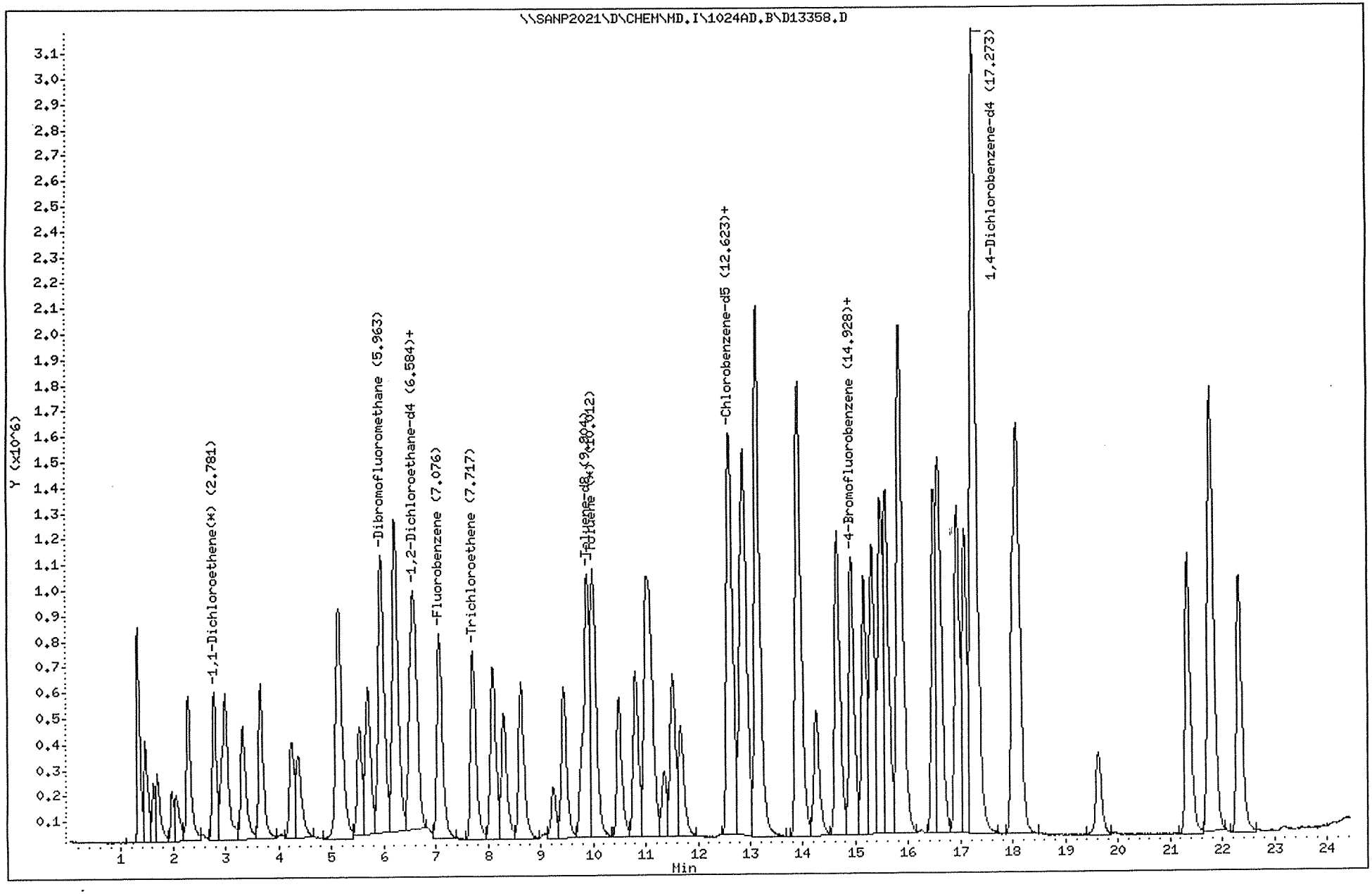
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
8 1,1-Dichloroethene(*)	96	2.781	2.782	(0.393)	553537	47.7478	47.75
$ 29 Dibromofluoromethane	111	5.963	5.984	(0.843)	1423095	50.6680	50.67
$ 33 1,2-Dichloroethane-d4	65	6.505	6.516	(0.919)	946492	46.2213	46.22
34 1,2-Dichloroethane-d4 2nd	102	6.505	6.516	(0.919)	217493	49.1114	49.11
35 Benzene	78	6.574	6.585	(0.929)	2120352	49.6701	49.67
* 38 Fluorobenzene	96	7.076	7.087	(1.000)	2375664	50.0000	
39 Trichloroethene	130	7.717	7.728	(1.090)	907222	48.9436	48.94
$ 47 Toluene-d8	98	9.904	9.915	(0.786)	2320457	52.3112	52.31
48 Toluene (*)	91	10.022	10.033	(0.796)	2415443	48.7758	48.78
* 56 Chlorobenzene-d5	117	12.594	12.604	(1.000)	1876343	50.0000	
57 Chlorobenzene (**)	112	12.643	12.654	(1.004)	1805819	47.3703	47.37
$ 67 4-Bromofluorobenzene	95	14.928	14.930	(0.866)	1767423	47.8010	47.80
66 4-Bromofluorobenzene-2nd	174	14.928	14.939	(0.866)	1022023	45.8344	45.83
* 79 1,4-Dichlorobenzene-d4	152	17.234	17.245	(1.000)	1183679	50.0000	

Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13358.D
Date : 24-OCT-2000 19:01
Client ID: D13358
Sample Info: DM1A81AD,MSD,2,,0,1,0,8260BDA.M,D13358

Instrument: md.i

Operator: GFB
Column diameter: 0.53

Column phase: J&W DB-624



BOE-C6-0165399

000784

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\CHEM\MD.I\1024AD.B\D13356.D
Lab Smp Id: DM1A81AA Client Smp ID: D13356
Inj Date : 24-OCT-2000 17:58
Operator : GFB Inst ID: md.i
Smp Info : DM1A81AA,,2,,0,1,0,8260BDA.M,D13356
Misc Info : E0J110284-28,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 17:41 beckmang Quant Type: ISTD
Cal Date : 24-OCT-2000 14:20 Cal File: DS2583.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
10 Acetone	43	2.886	2.870	(0.407)	24486	7.83509	7.84(Q)
$ 29 Dibromofluoromethane	111	5.980	5.984	(0.844)	1349941	47.3665	47.37
$ 33 1,2-Dichloroethane-d4	65	6.512	6.516	(0.919)	945299	45.4936	45.49
34 1,2-Dichloroethane-d4 2nd	102	6.512	6.516	(0.919)	213655	47.5452	47.54
36 1,2-Dichloroethane	62	7.083	6.644	(1.000)	40890	1.77194	1.77(aQ)
* 38 Fluorobenzene	96	7.083	7.087	(1.000)	2410616	50.0000	
$ 47 Toluene-d8	98	9.921	9.915	(0.787)	2318776	50.3072	50.31
* 56 Chlorobenzene-d5	117	12.601	12.604	(1.000)	1949674	50.0000	
66 4-Bromofluorobenzene-2nd	174	14.936	14.939	(0.866)	1010270	45.5580	45.56
$ 67 4-Bromofluorobenzene	95	14.936	14.930	(0.866)	1748949	47.5631	47.56
* 79 1,4-Dichlorobenzene-d4	152	17.241	17.245	(1.000)	1177165	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

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DM1A81AA
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa54651
Client Smp ID: D13356
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2021\D\chem\md.i\1024AD.B\D13356.D
Lab Smp Id: DM1A81AA Client Smp ID: D13356
Inj Date : 24-OCT-2000 17:58
Operator : GFB Inst ID: md.i
Smp Info : DM1A81AA,,2,,0,1,0,8260BDA.M,D13356
Misc Info : E0J110284-28,,5,,0,ALL.SUB,
Comment :
Method : \\SANP2021\D\CHEM\MD.I\1024AD.B\8260BDA.m
Meth Date : 24-Oct-2000 21:00 beckmang Quant Type: ISTD
Cal Date : 24-OCT-2000 14:20 Cal File: DS2583.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ALL.SUB
Target Version: 4.00
Processing Host: SANP2021

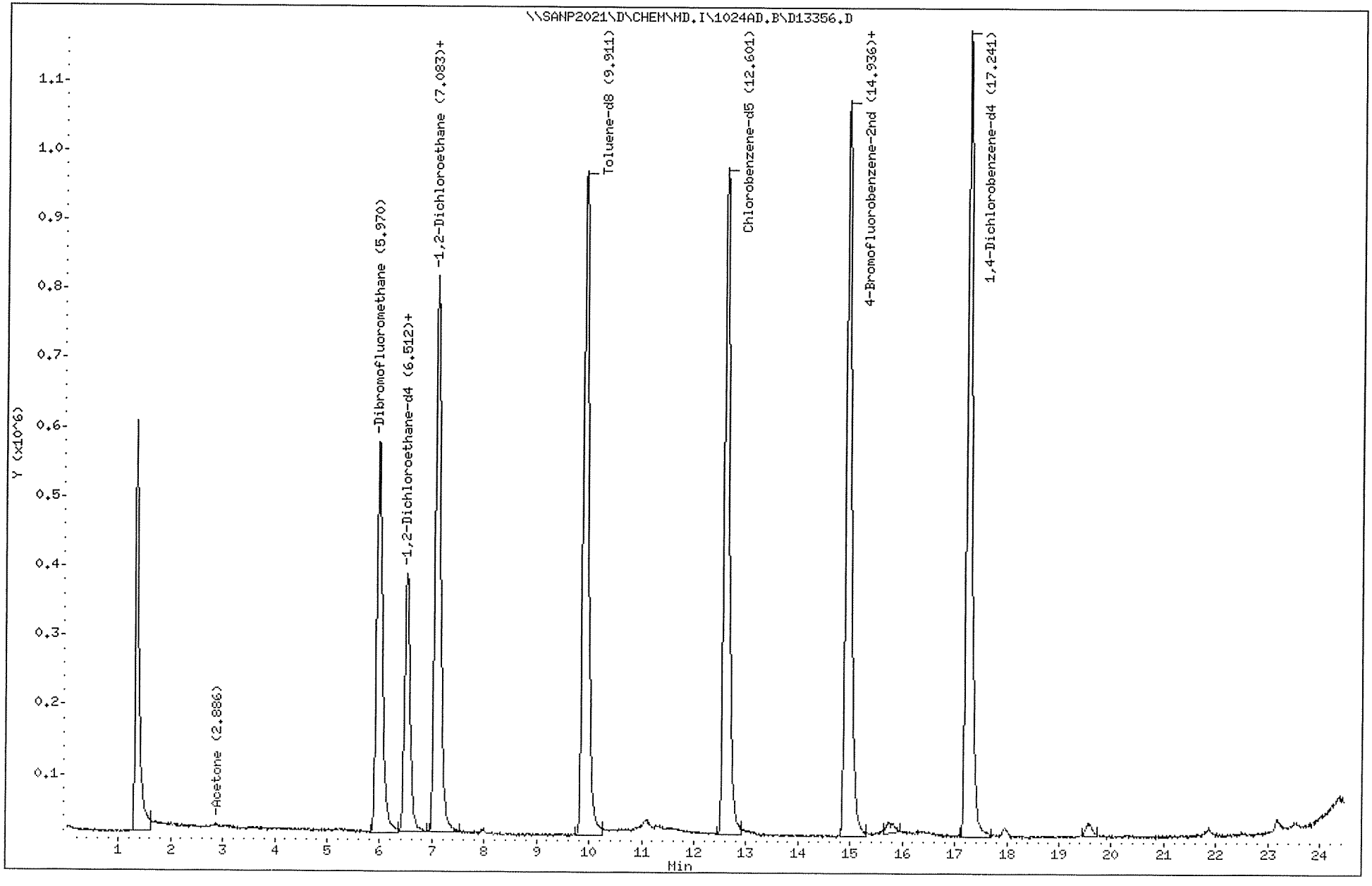
NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13356.D
Date : 24-OCT-2000 17:58
Client ID: D13356
Sample Info: DM1A81AA,,2,,0,1,0,8260BDA.M,D13356

Column phase: J&W DB-624

Instrument: md.i

Operator: GFB
Column diameter: 0.53



BOE-C6-0165404

0007259

Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13356.D

Date : 24-OCT-2000 17:58

Client ID: D13356

Instrument: md.i

Sample Info: DM1A81AA,,2,,0,1,0,8260BDA.M,D13356

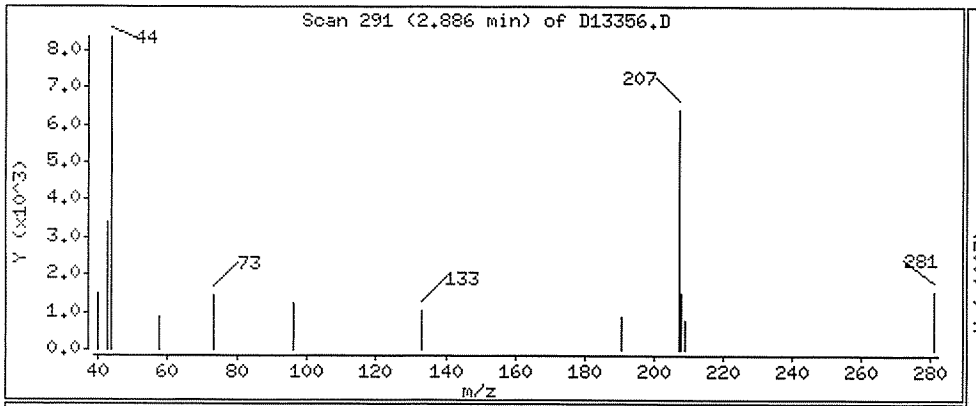
Operator: GFB

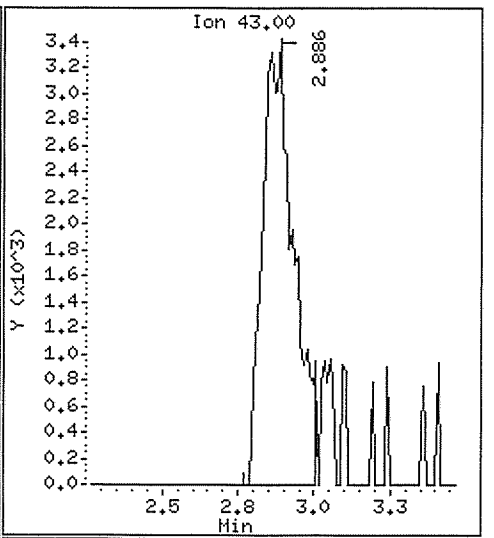
Column phase: J&W DB-624

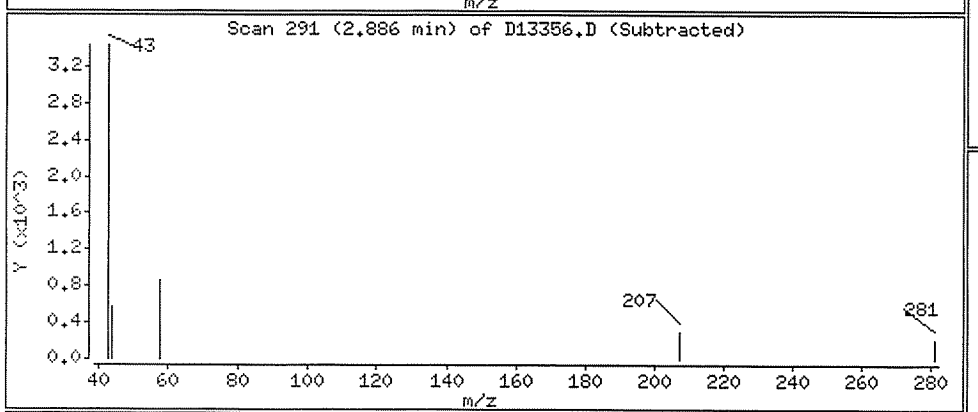
Column diameter: 0.53

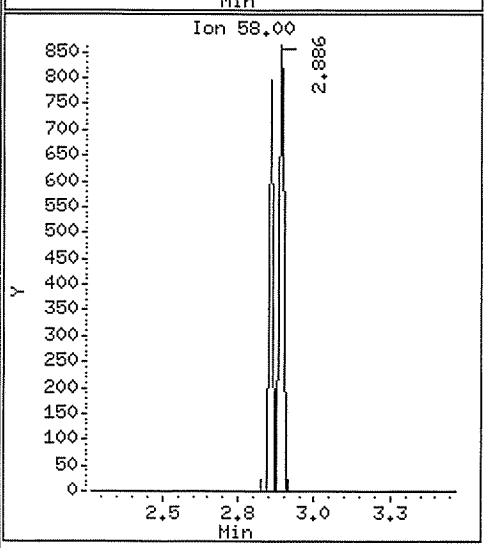
10 Acetone

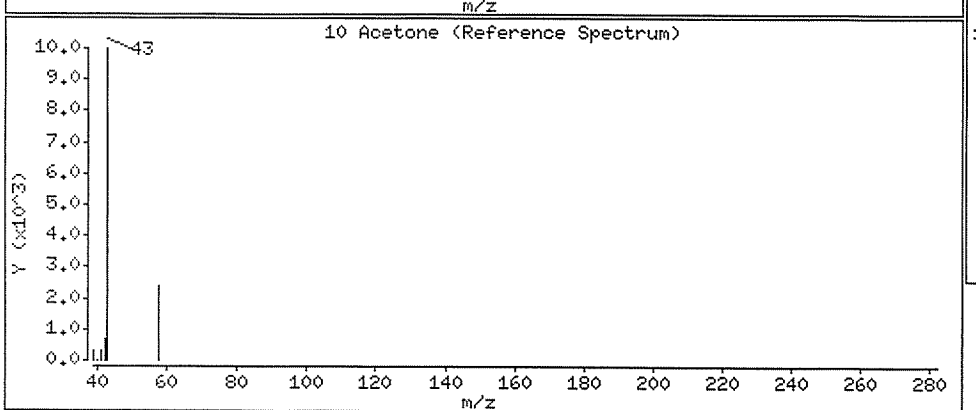
Concentration: 7.84 ug/Kg

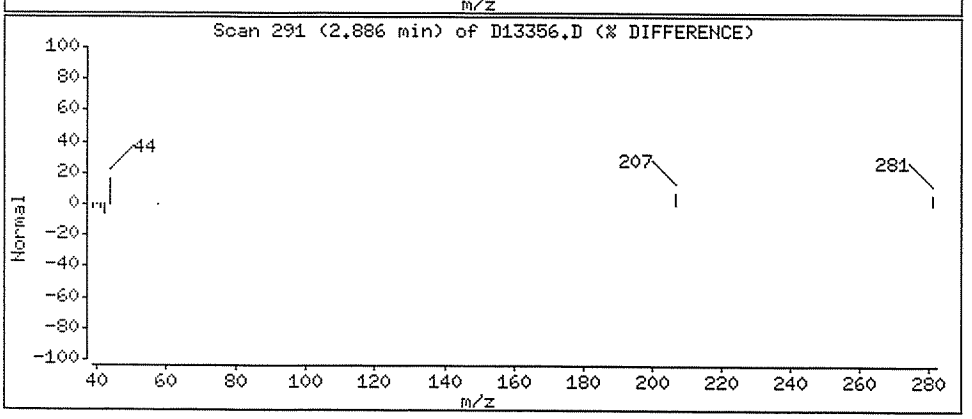












000790

Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13356.D

Date : 24-OCT-2000 17:58

Client ID: D13356

Instrument: md.i

Sample Info: DM1A81AA,,2,,0,1,0,8260BDA.M,D13356

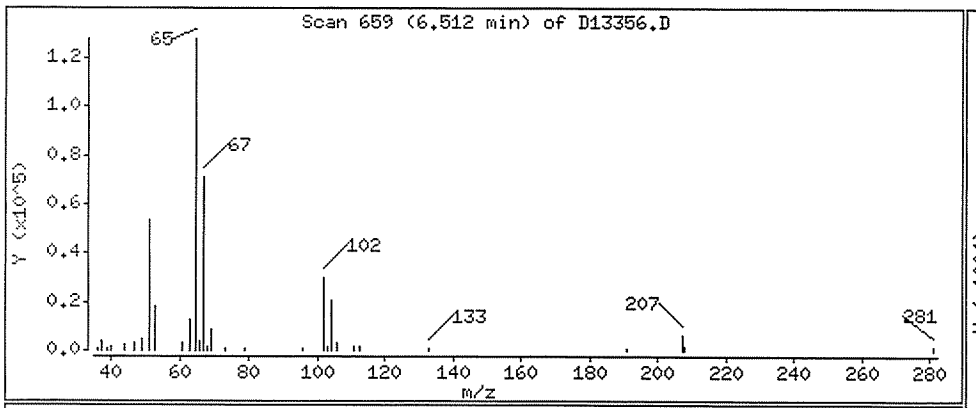
Operator: GFB

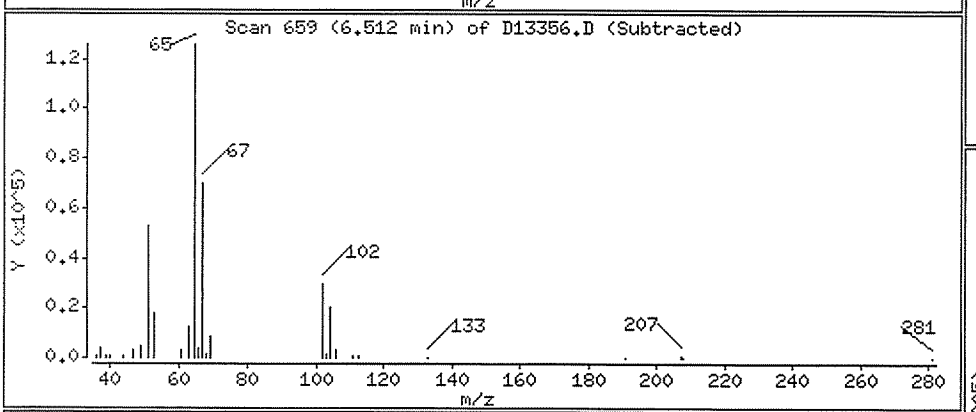
Column phase: J&W DB-624

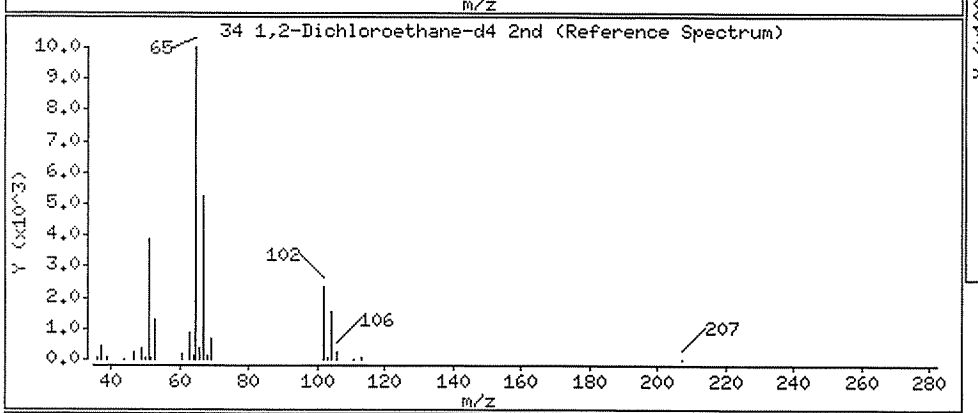
Column diameter: 0.53

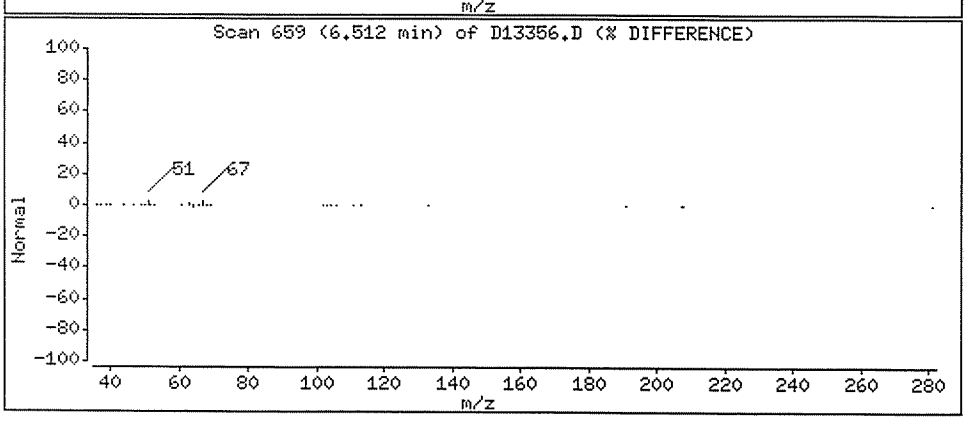
34 1,2-Dichloroethane-d4 2nd

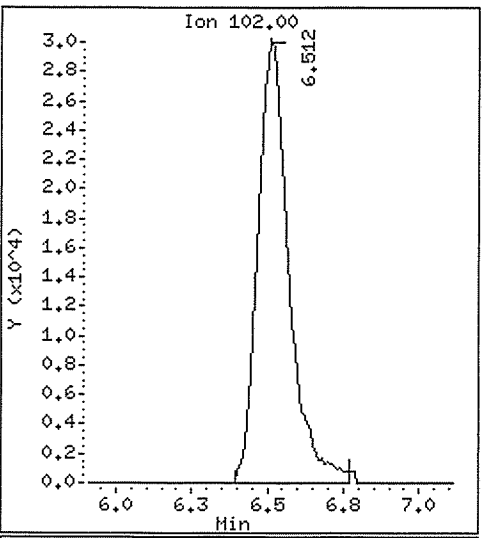
Concentration: 47.54 ug/Kg

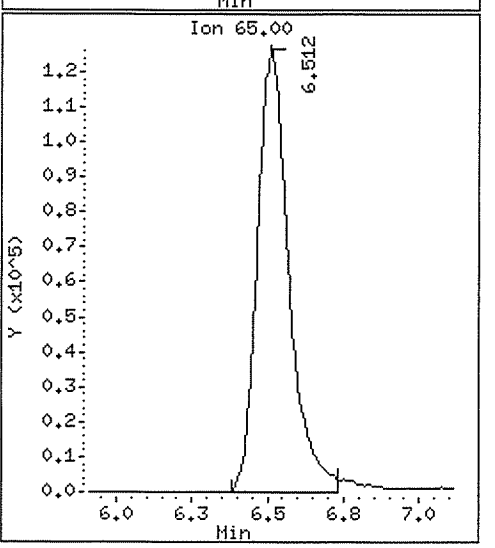












Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13356.D

Date : 24-OCT-2000 17:58

Client ID: D13356

Instrument: md.i

Sample Info: DM1A81AA,,2,,0,1,0,8260BDA.M,D13356

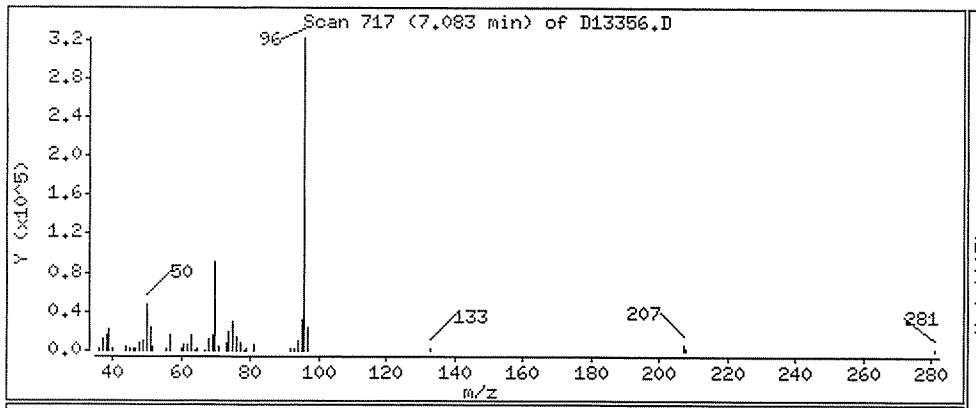
Operator: GFB

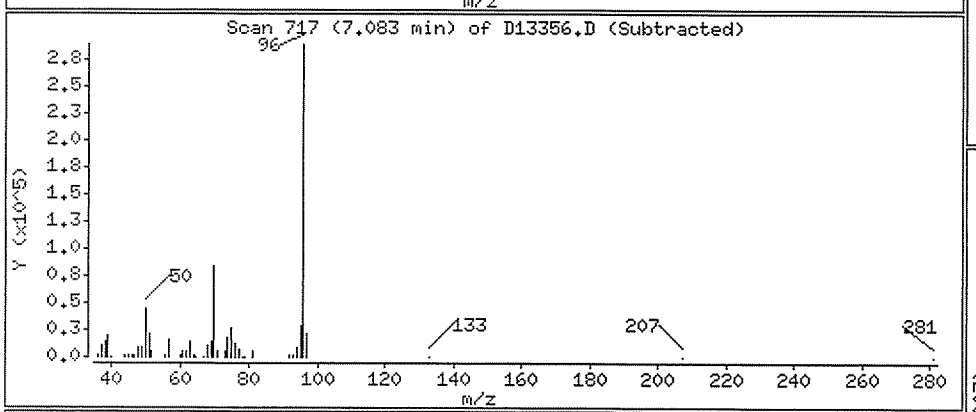
Column phase: J&W DB-624

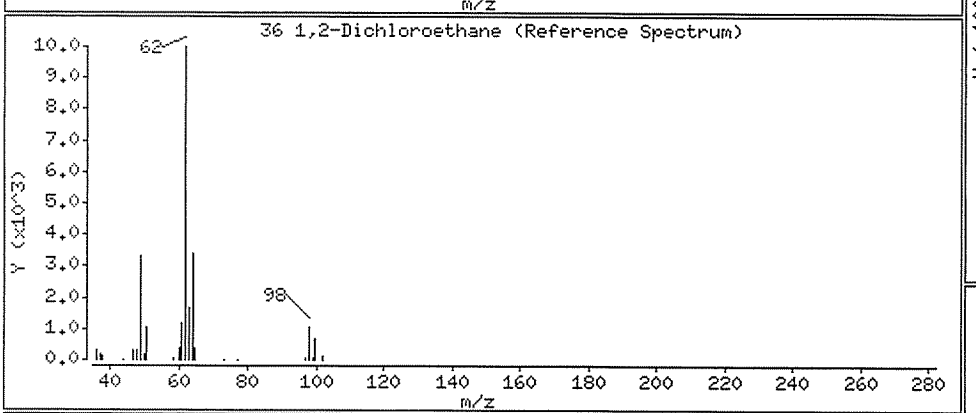
Column diameter: 0.53

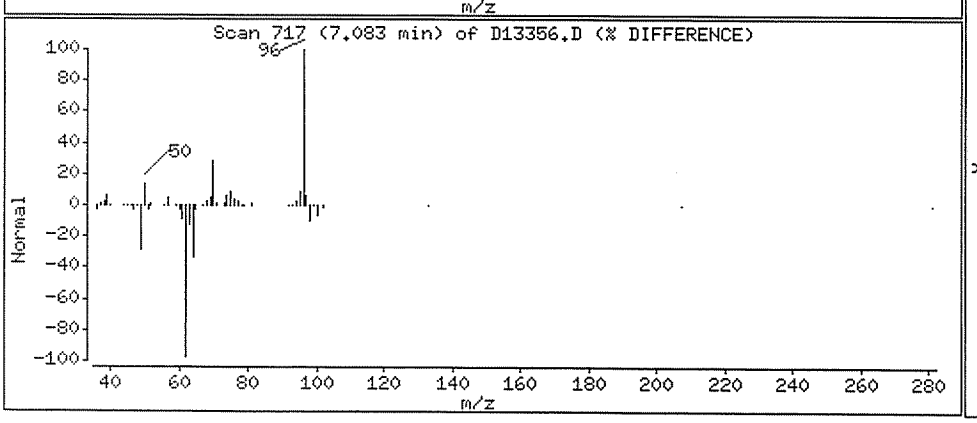
36 1,2-Dichloroethane

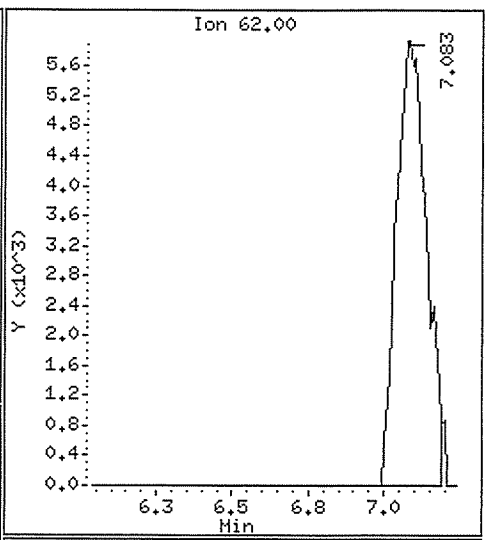
Concentration: 1.77 ug/Kg

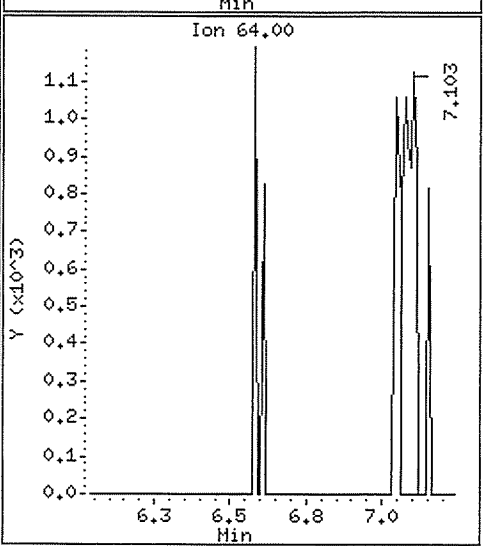


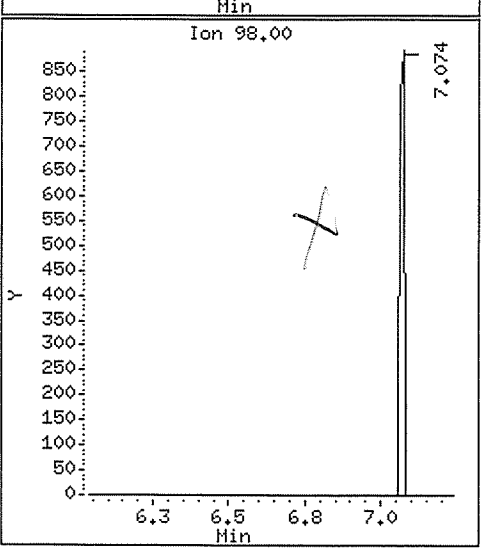












Data File: \\SANP2021\D\CHEM\MD.I\1024AD.B\D13356.D

Date : 24-OCT-2000 17:58

Client ID: D13356

Instrument: md.i

Sample Info: DM1A81AA,,2,,0,1,0,8260BDA.M,D13356

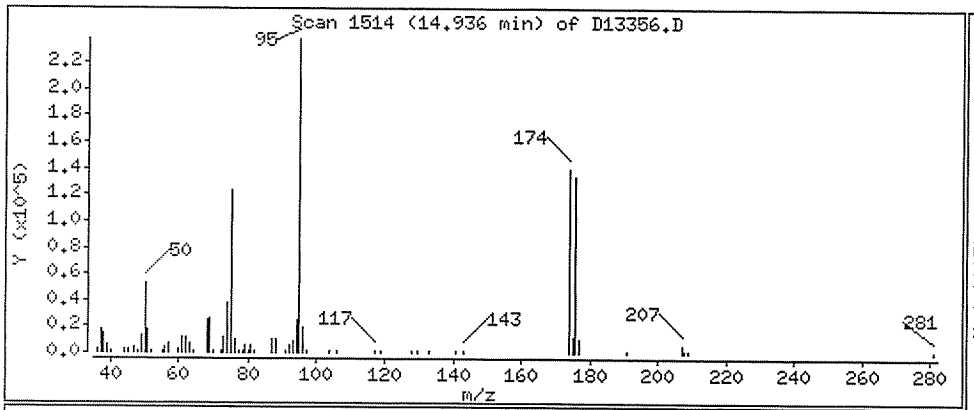
Operator: GFB

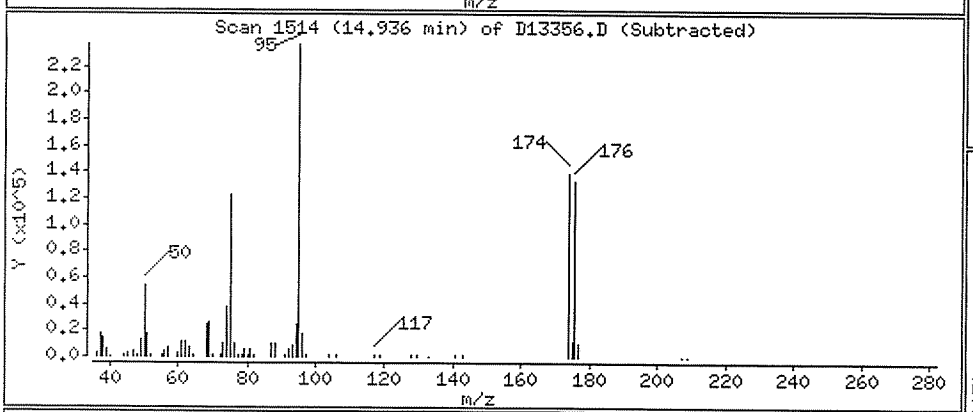
Column phase: J&W DB-624

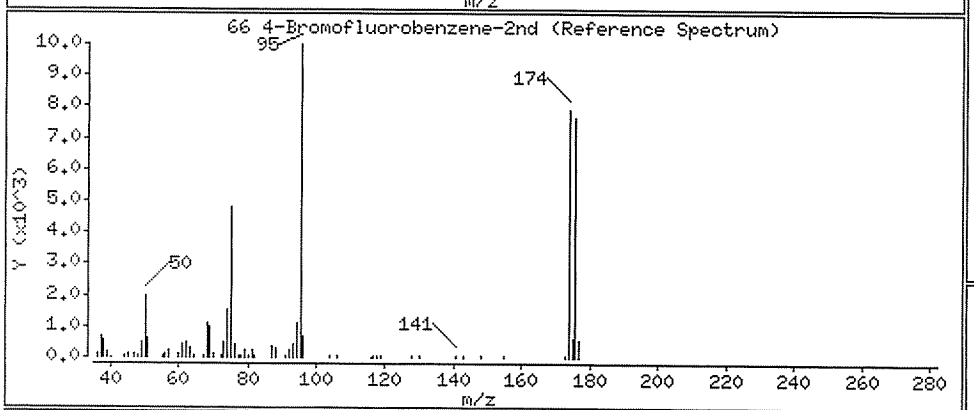
Column diameter: 0.53

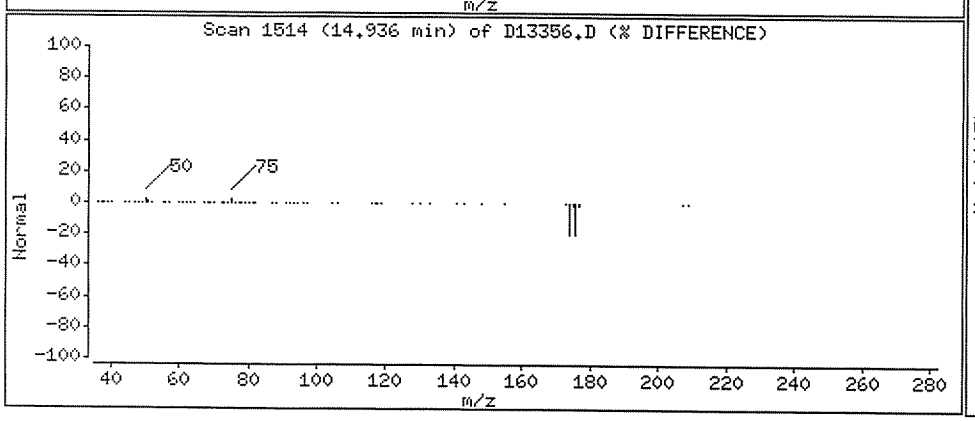
66 4-Bromofluorobenzene-2nd

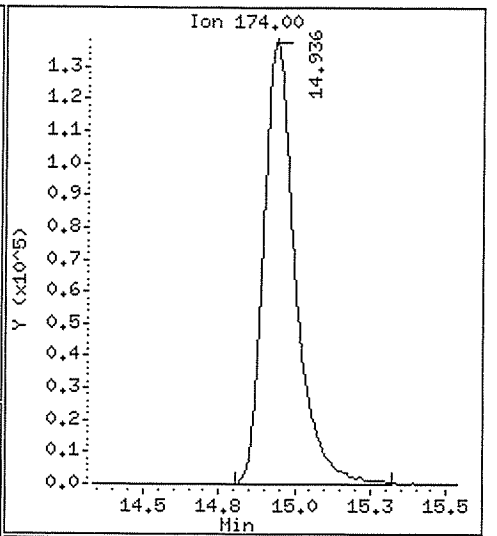
Concentration: 45.56 ug/Kg

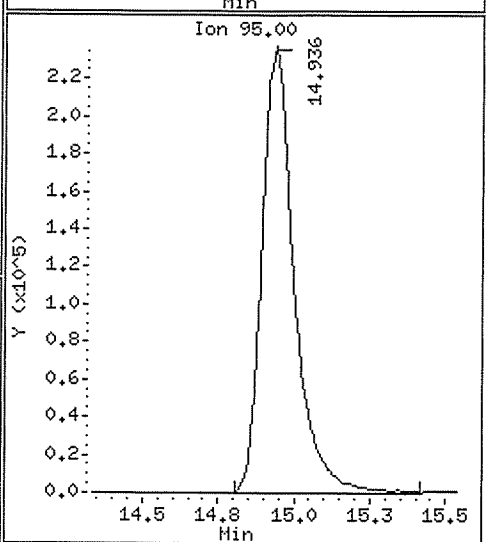


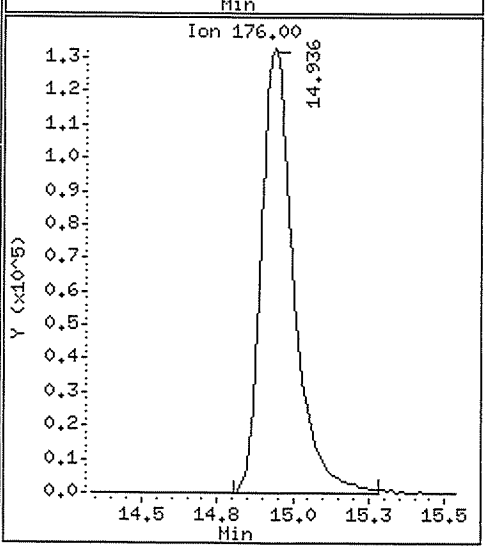












TVPH

LEVEL III

C6 TO C8

BOE-C6-0165409

TVPH

SAMPLE AND QC DATA

$C_6 \rightarrow C_8$

Date(s) Analyzed: 10-17,18-00

Instrument ID: GC15A GC16 GC13

Batch #: 0297271

Samples: B0511028 4-8, C, 1, 15, 1D, 2, 3, 4, 6, 11, 13, 14, 15, 21, 22, 24, 25, 26, 27, 28

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:41:40

Lot/Sample: E0J230000-271B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DNLMV-1-AA 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: 10/17/00
Inject Time..: 21:59 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A011
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:41:28
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
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			0.3172	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	0.2168	108.4		

Notes:

J Estimated result. Result is less than RL.

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

Time : 10/17/00 10:55 PM
Study : LOW SOIL

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

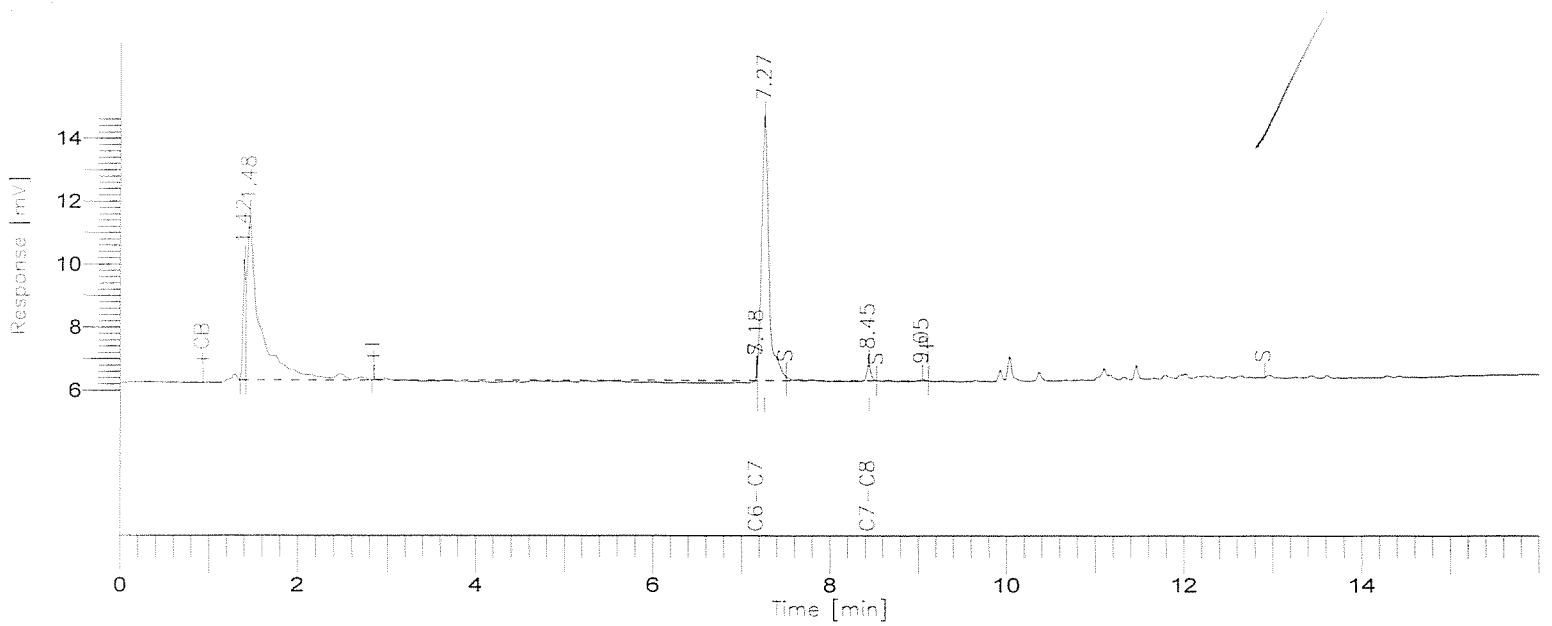
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 09:59 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A011.RAW
Result File : C:\TC4\GC15\O17A011.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A011.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8.mth
Sequence File : C:\TC4\GC15\O17.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

000797

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.27	SURR TFT	49514	0.2168	108.4	0.00		0.0434
8.45	GASOLINE RANGE	12525	0.3172	-----	1.00		0.0634
		62040					0.1068

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	10629	0.3215	-----	0.00		0.0643
8.45	C7-C8	1896	0.3068	-----	0.00		0.0614
		12525					0.1257

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A011.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:41:40

Lot/Sample: E0J230000-271C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DNLMV-1-AC 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: 10/17/00
Inject Time..: 21:32 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A010
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/23 16:17:03
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
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
	Sample amount: NA								
04863	Gasoline Range Organics			5.0	NA	0	0		NA
	Sample amount: NA								
02909	TPH (as Gasoline)			5.0	5.0767	101.5	0		
	Sample amount: ND								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
03185	a,a,a-Trifluorotoluene (TFT		0.2	0.2378	118.9		

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

Time : 10/17/00 09:48 PM
Study : LOW SOIL

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

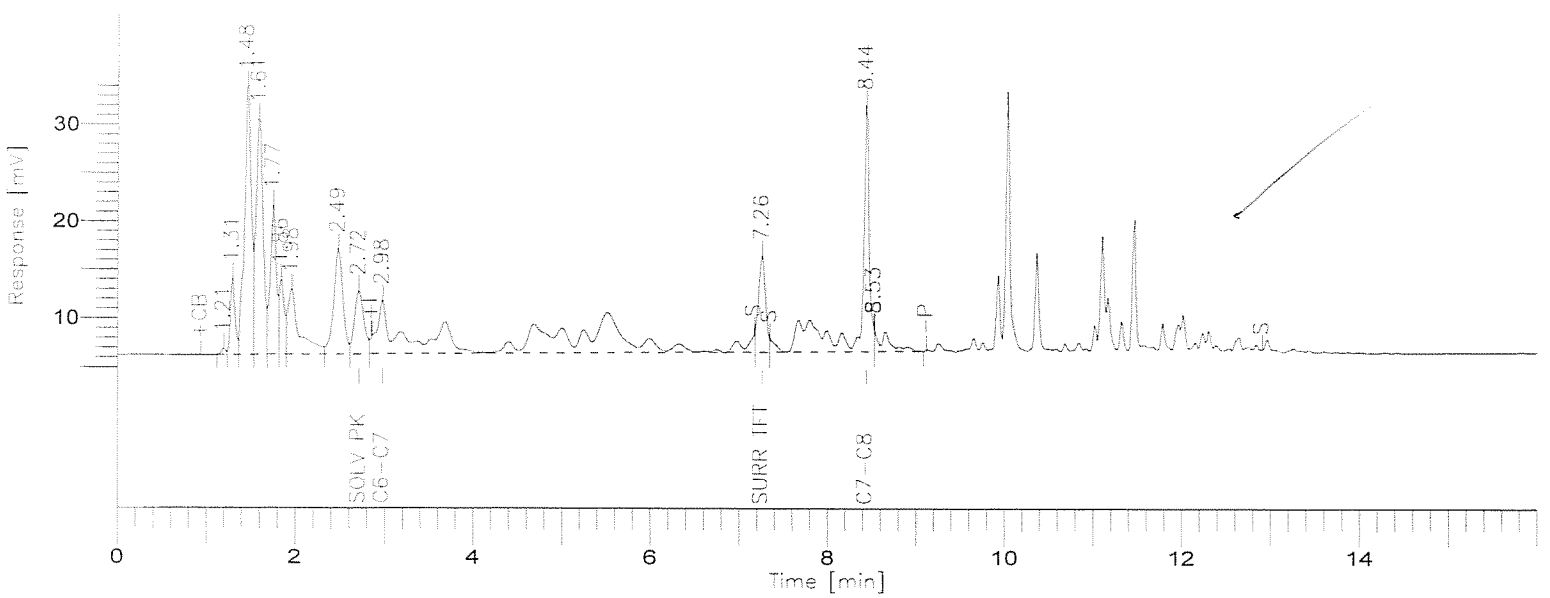
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 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\O17A010.RAW
Result File : C:\TC4\GC15\O17A010.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A010.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000800

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.72	SOLV PK	47123	36.7630	0.0000	-----		7.3526
7.26	SURR TFT	56223	0.2378	0.2000	118.9		0.0476
8.44	GASOLINE RANGE	509248	5.0767	5.0000	101.5		1.0153
		612594					8.4155

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.98	C6-C7	318982	4.5000	0.0000	-----		0.9000
8.44	C7-C8	190266	6.4691	0.0000	-----		1.2938
		509248					2.1938

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A010.TX0

PDE120
Page: 1

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:42:47

Lot/Sample: E0J110284-001 C-2-117-5 TICs.....: N Report Results: Y
WO#.....: DM09M-1-AD 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: 10/17/00
Inject Time..: 22:29 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A012
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:42:05
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2782 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	0.2175	108.75		

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.

000802

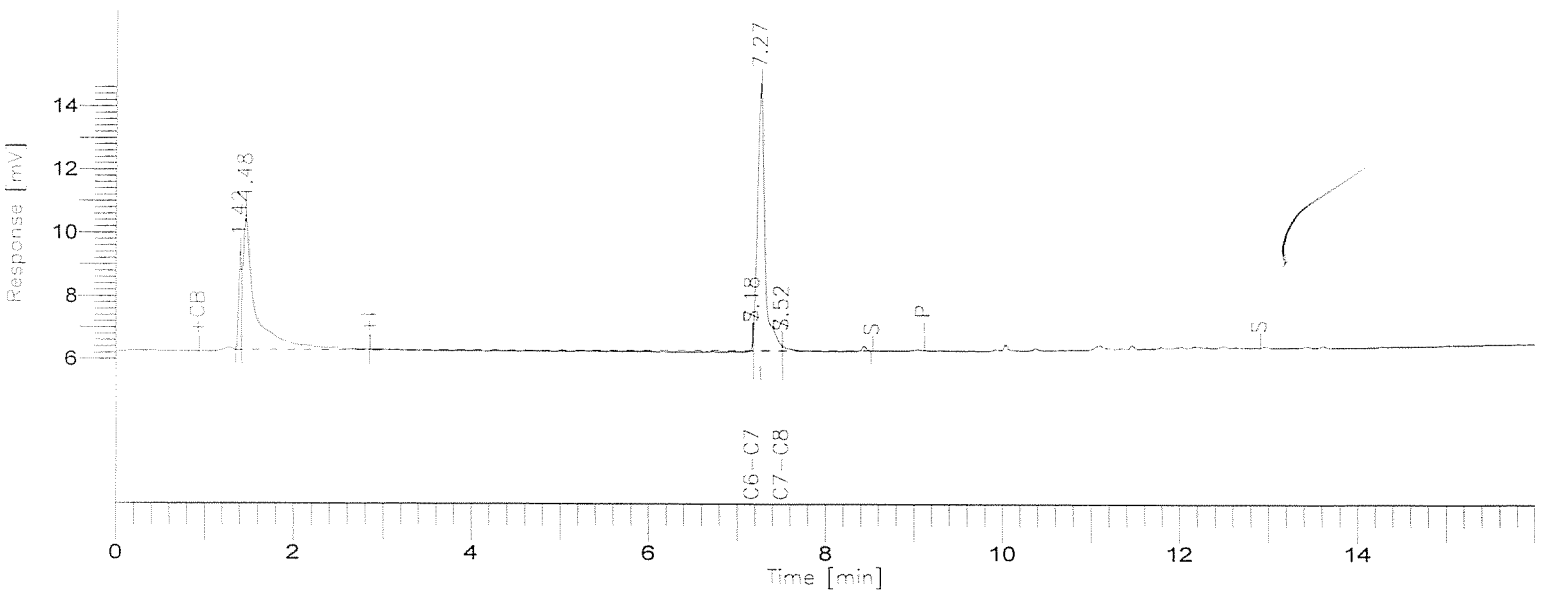
Software Version: 4.1<2F12>
Sample Name : J110284-1 Time : 10/17/00 10:56 PM
Sample Number: 284-1 Study : LOW SOIL
(rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 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\O17A012.RAW
Result File : C:\TC4\GC15\O17A012.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A012.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8.mth
Sequence File : C:\TC4\GC15\O17.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

000803

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	8453	0.2782	-----	1.00		0.0556
7.27	SURR TFT	49737	0.2175	108.8	0.00		0.0435
		58191					0.0991

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	7995	0.2858	-----	0.00		0.0572
7.52	C7-C8	459	0.2597	-----	0.00		0.0519
		8453					0.1091

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A012.TX0

000804

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:47:22

Lot/Sample: E0J110284-001S C-2-117-5 TICs.....: N Report Results: Y
WO#.....: DM09M-1-C5 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: 10/18/00
Inject Time..: 5:34 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A028
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/16 9:54:27
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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	5.5848	111.6	2.8		
	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	0.2531	126.55		

Software Version: 4.1<2F12>
Sample Name : 284-1MS
Sample Number: 284-1MS
Operator :

Time : 10/18/00 02:13 PM
Study : LOW SOIL

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

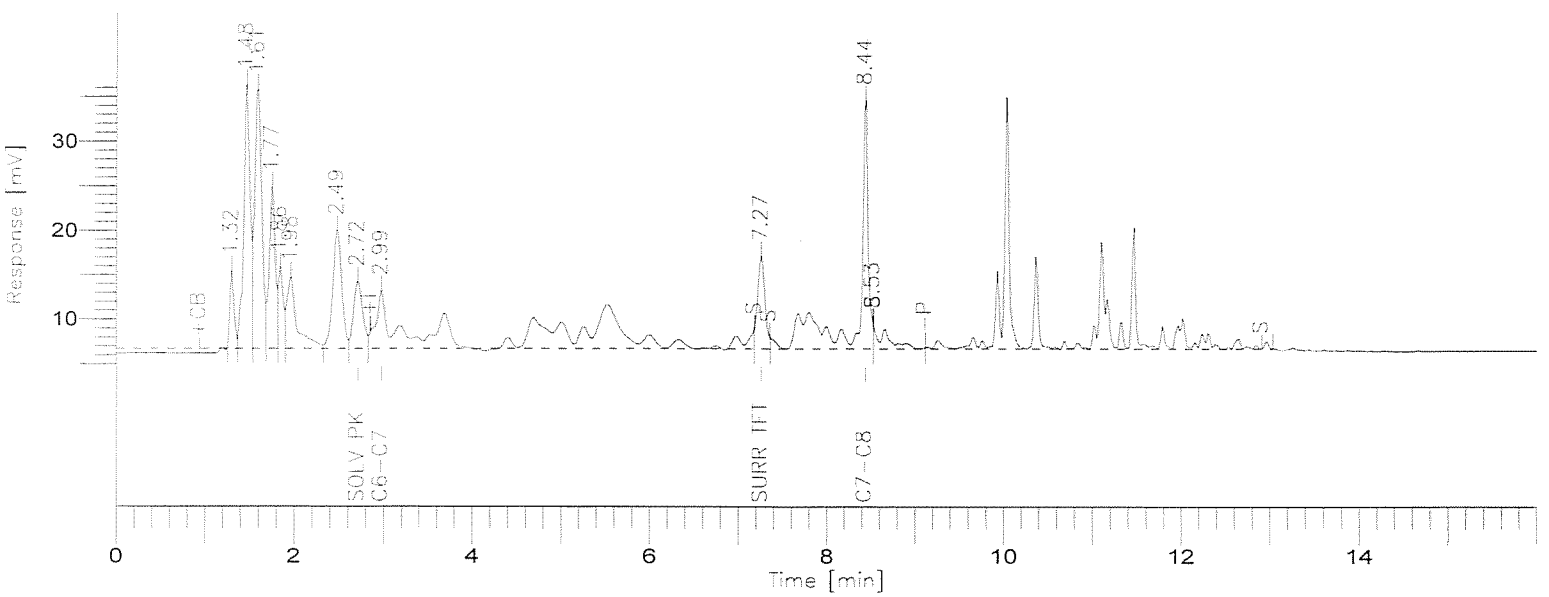
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 05:34 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A028.RAW
Result File : C:\TC4\GC15\O17A028.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A028.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Sequence File : C:\TC4\GC15\O17.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

000806

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.72	SOLV PK	52978	41.3312	0.0000	-----		8.2662
7.27	SURR TFT	61336	0.2531	0.2000	126.5		0.0506
8.44	GASOLINE RANGE	562276	5.5848	5.0000	111.7		1.1170
		676590					9.4338

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.99	C6-C7	345709	4.8622	0.0000	-----		0.9724
8.44	C7-C8	216567	7.3295	0.0000	-----		1.4659
		562276					2.4383

SrL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A028.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:47:22

Lot/Sample: E0J110284-001D C-2-117-5 TICs.....: N Report Results: Y
WO#.....: DM09M-1-C6 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: 10/18/00
Inject Time..: 6:01 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A029
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/16 9:54:27
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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	5.7437	114.8	2.8		
	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	0.2577	128.85		

Software Version: 4.1<2F12>
Sample Name : 284-1MSD
Sample Number: 284-1MSD
Operator :

Time : 10/18/00 02:13 PM
Study : LOW SOIL

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

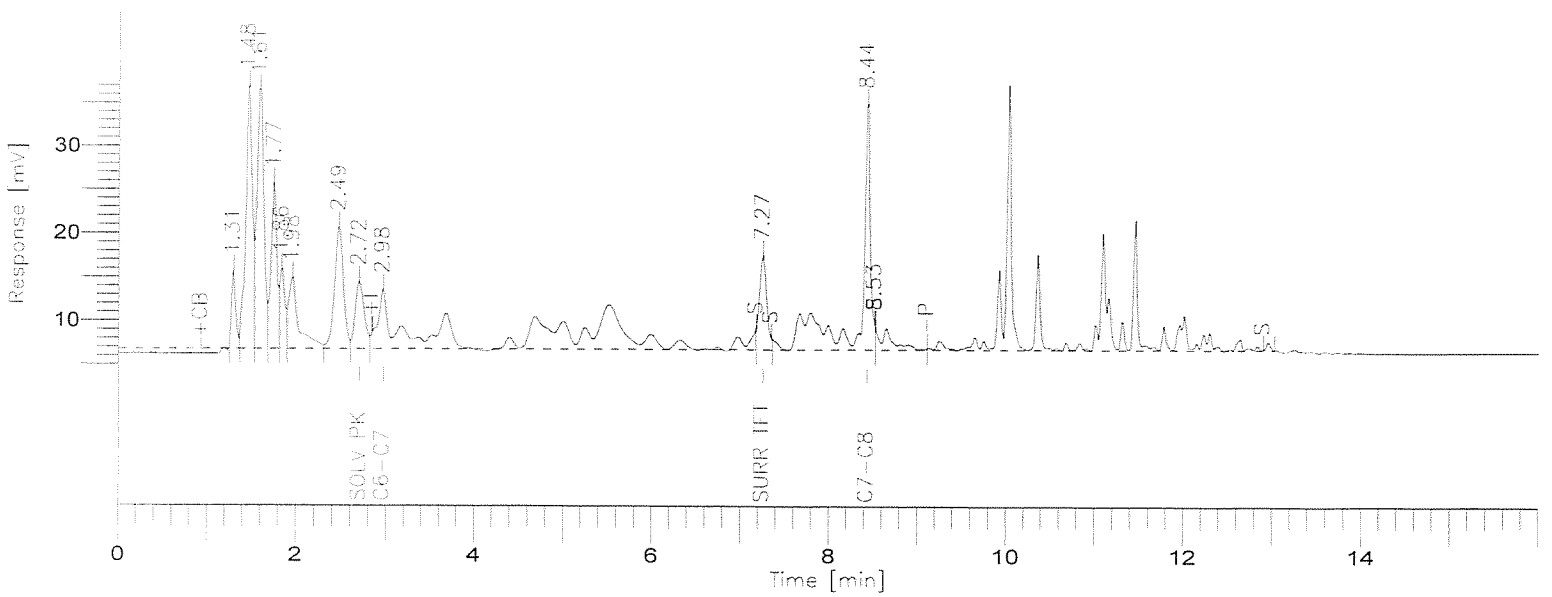
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 06:01 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A029.RAW
Result File : C:\TC4\GC15\O17A029.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A029.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Sequence File : C:\TC4\GC15\O17.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

000809

BOE-C6-0165424

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.72	SOLV PK	54059	42.1745	0.0000	-----		8.4349
7.26	SURR TFT	62948	0.2577	0.2000	128.9		0.0515
8.44	GASOLINE RANGE	578854	5.7437	5.0000	114.9		1.1487
		695861					9.6352

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	QC Spike (ppm)	QC % REC	FN	Raw Amount (ppm)
2.98	C6-C7	354576	4.9823	0.0000	-----		0.9965
8.44	C7-C8	224278	7.5817	0.0000	-----		1.5163
		578854					2.5128

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Report stored in ASCII file: C:\TC4\GC15\O17A029.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:42:48

Lot/Sample: E0J110284-002 C-2-117-10
WO#.....: DM09P-1-AD
SAC.....: XX A 15 KJ 01
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/17/00
Inject Time..: 22:55 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A013
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:42:17
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2663 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	0.2205	110.25		

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.

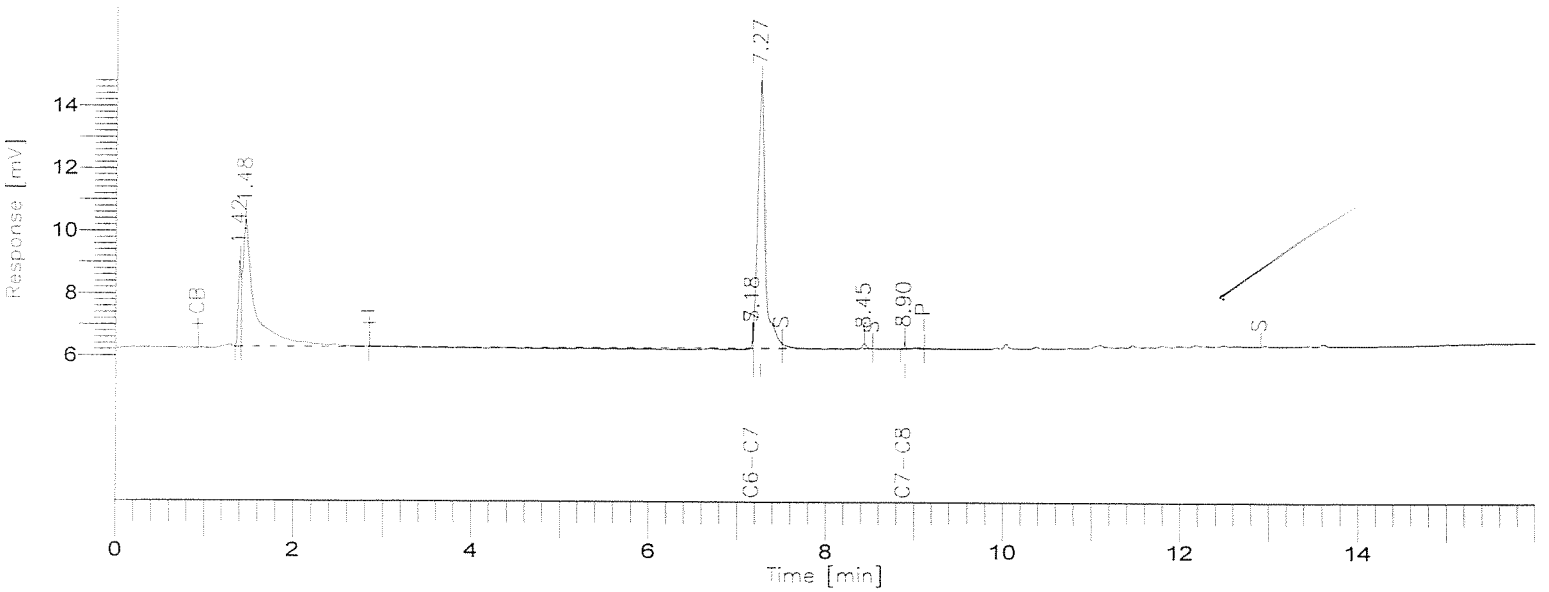
Software Version: 4.1<2F12>
Sample Name : J110284-2 Time : 10/17/00 11:11 PM
Sample Number: 284-2 Study : LOW SOIL
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 10:55 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A013.RAW
Result File : C:\TC4\GC15\O17A013.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A013.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000812

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	7212	0.2663	-----	1.00		0.0533
7.27	SURR TFT	50651	0.2205	110.2	0.00		0.0441
		57864					0.0974

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	6859	0.2704	-----	0.00		0.0541
8.90	C7-C8	353	0.2563	-----	0.00		0.0513
		7212					0.1053

- LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A013.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:42:48

Lot/Sample: E0J110284-003 C-2-117-15
WO#.....: DM09Q-1-AD
SAC.....: XX A 15 KJ 01
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/17/00
Inject Time..: 23:22 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A014
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:42:25
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2687 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	0.2200	110		

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.

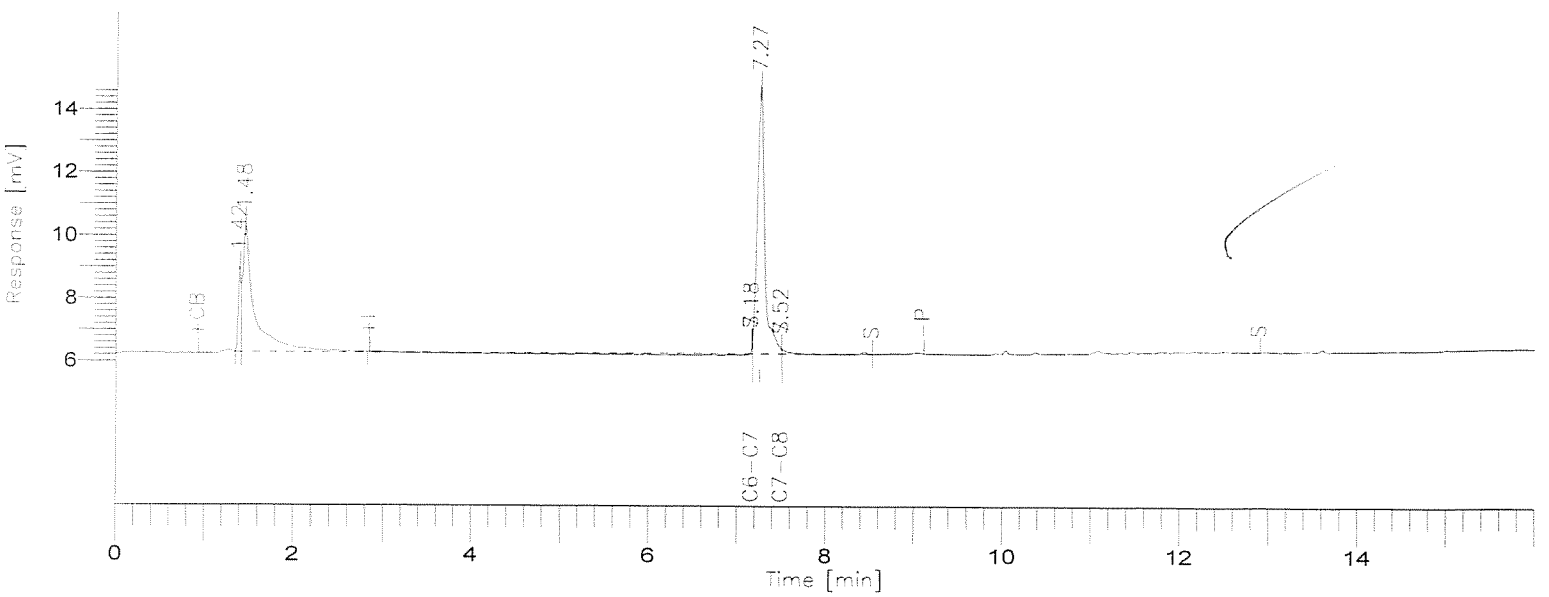
Software Version: 4.1<2F12>
Sample Name : J110284-3 Time : 10/17/00 11:38 PM
Sample Number: 284-3 Study : LOW SOIL
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 11:22 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A014.RAW
Result File : C:\TC4\GC15\O17A014.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A014.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000815

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	7463	0.2687	-----	1.00		0.0537
7.27	SURR TFT	50512	0.2200	110.0	0.00		0.0440
		57975					0.0977

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	6960	0.2718	-----	0.00		0.0544
7.52	C7-C8	503	0.2612	-----	0.00		0.0522
		7463					0.1066

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A014.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:42:48

Lot/Sample: E0J110284-004 C-2-119-5
WO#.....: DM09R-1-AE
SAC.....: XX A 15 KJ 01
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/17/00
Inject Time..: 23:48 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A015
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:42:37
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2588 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	0.2278	113.9		

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.

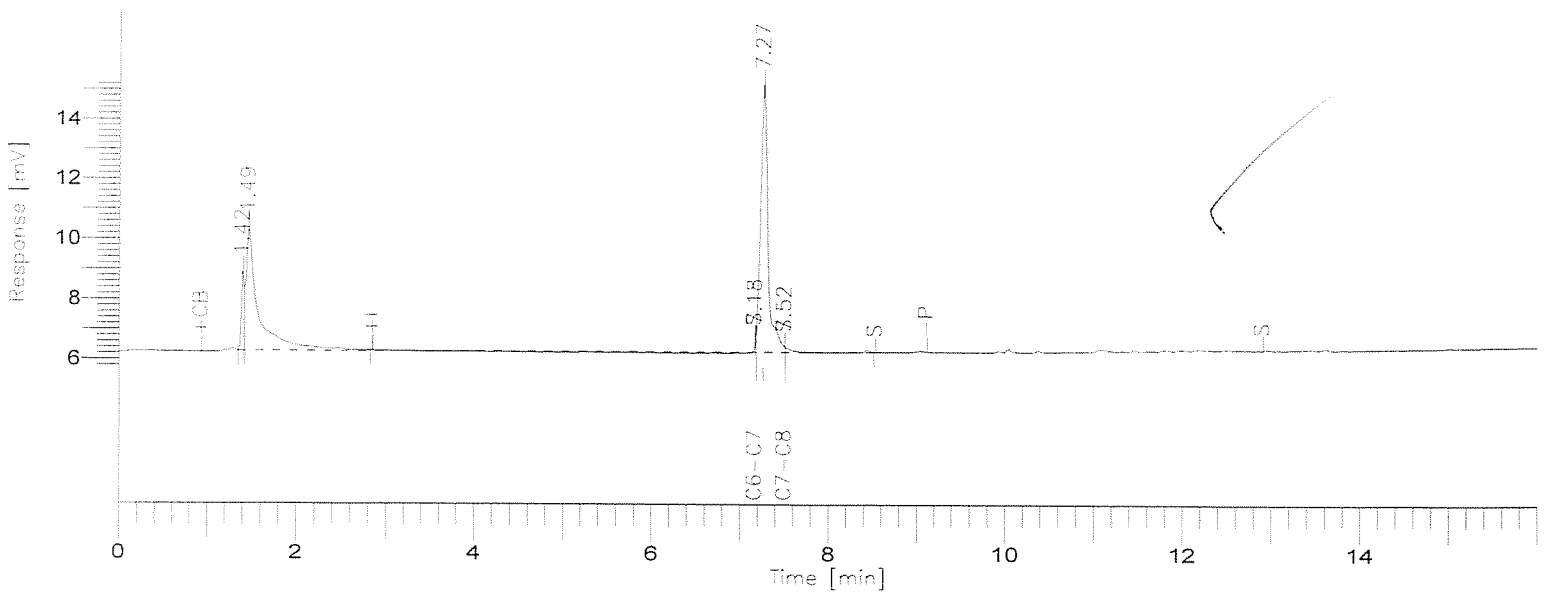
Software Version: 4.1<2F12>
Sample Name : J110284-4 Time : 10/18/00 12:04 AM
Sample Number: 284-4 Study : LOW SOIL
(rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 11:48 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A015.RAW
Result File : C:\TC4\GC15\O17A015.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A015.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000818

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	6429	0.2588	-----	1.00		0.0518
7.27	SURR TFT	52961	0.2278	113.9	0.00		0.0456
		59390					0.0973

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	5802	0.2561	-----	0.00		0.0512
7.52	C7-C8	626	0.2652	-----	0.00		0.0530
		6429					0.1043

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A015.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:42:48

Lot/Sample: E0J110284-006 C-2-123-5
WO#.....: DM09V-1-AE
SAC.....: XX A 15 KJ 01
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/18/00
Inject Time..: 0:15 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A016
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:42:46
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2643 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	0.2120	106		

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.

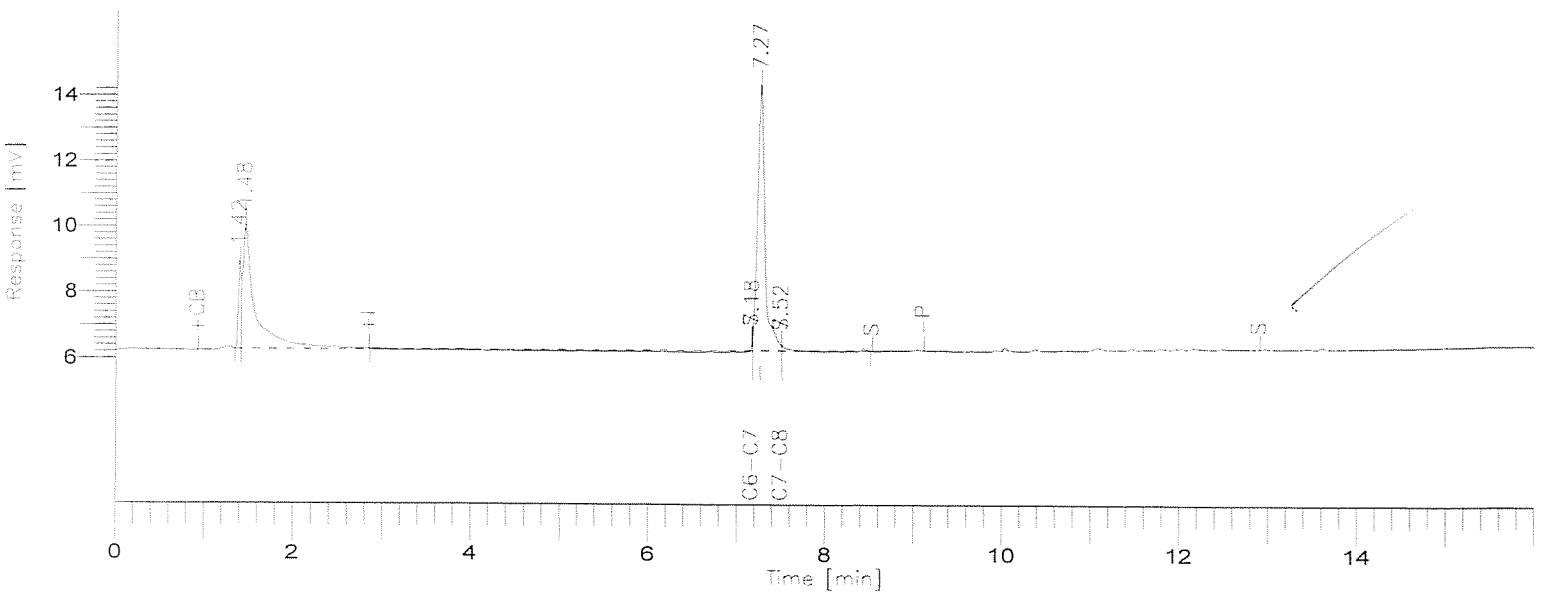
Software Version: 4.1<2F12>
Sample Name : J110284-6 Time : 10/18/00 12:31 AM
Sample Number: 284-6 Study : LOW SOIL
C rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 12:15 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A016.RAW
Result File : C:\TC4\GC15\O17A016.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A016.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000821

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	7002	0.2643	-----	1.00		0.0529
7.27	SURR TFT	48033	0.2120	106.0	0.00		0.0424
		55035					0.0953

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	6394	0.2641	-----	0.00		0.0528
7.52	C7-C8	608	0.2646	-----	0.00		0.0529
		7002					0.1058

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A016.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:44:29

Lot/Sample: E0J110284-011 C-2-131-5
WO#.....: DM093-1-AD
SAC.....: XX A 15 KJ 01
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/18/00
Inject Time..: 0:42 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A017
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:43:05
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2581 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	0.2172	108.6		

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.

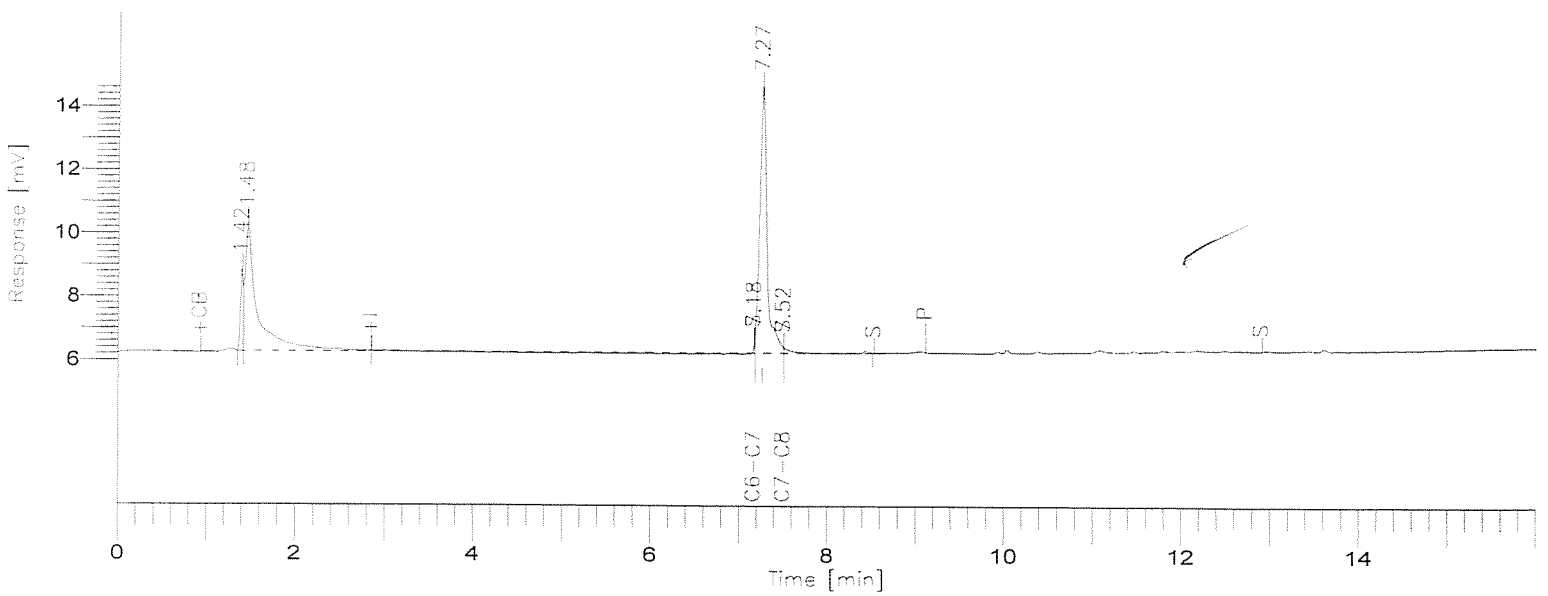
Software Version: 4.1<2F12>
Sample Name : J110284-11 Time : 10/18/00 12:57 AM
Sample Number: 284-11 Study : LOW SOIL
C rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 12:42 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A017.RAW
Result File : C:\TC4\GC15\O17A017.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A017.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000824

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	6353	0.2581	-----	1.00		0.0516
7.27	SURR TFT	49624	0.2172	108.6	0.00		0.0434
		55977					0.0950

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	5731	0.2551	-----	0.00		0.0510
7.52	C7-C8	622	0.2651	-----	0.00		0.0530
		6353					0.1040

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A017.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:44:29

Lot/Sample: E0J110284-013 C-2-132-1 TICs.....: N Report Results: Y
WO#.....: DM098-1-AE 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: 10/18/00
Inject Time..: 1:08 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A018
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:43:14
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2635 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	0.2115	105.75		

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.

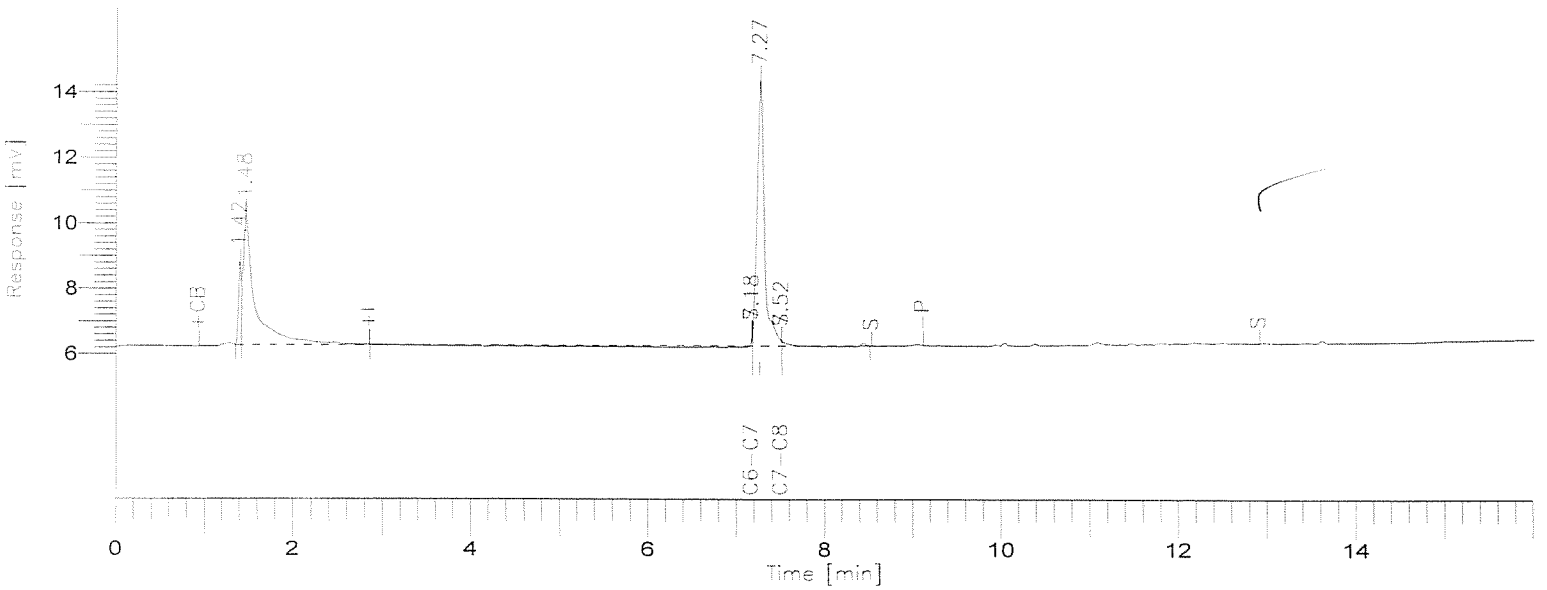
Software Version: 4.1<2F12>
Sample Name : J110284-13 Time : 10/18/00 01:24 AM
Sample Number: 284-13 Study : LOW SOIL
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 01:08 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A018.RAW
Result File : C:\TC4\GC15\O17A018.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A018.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000827

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	6924	0.2635	-----	1.00		0.0527
7.27	SURR TFT	47866	0.2115	105.7	0.00		0.0423
		54790					0.0950

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	6415	0.2644	-----	0.00		0.0529
7.52	C7-C8	508	0.2614	-----	0.00		0.0523
		6924					0.1052

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A018.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:44:29

Lot/Sample: E0J110284-014 C-2-132-5
WO#.....: DM1AA-1-AE
SAC.....: XX A 15 KJ 01
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/18/00
Inject Time..: 1:35 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A019
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:43:28
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2602 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	0.2247	112.35		

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.

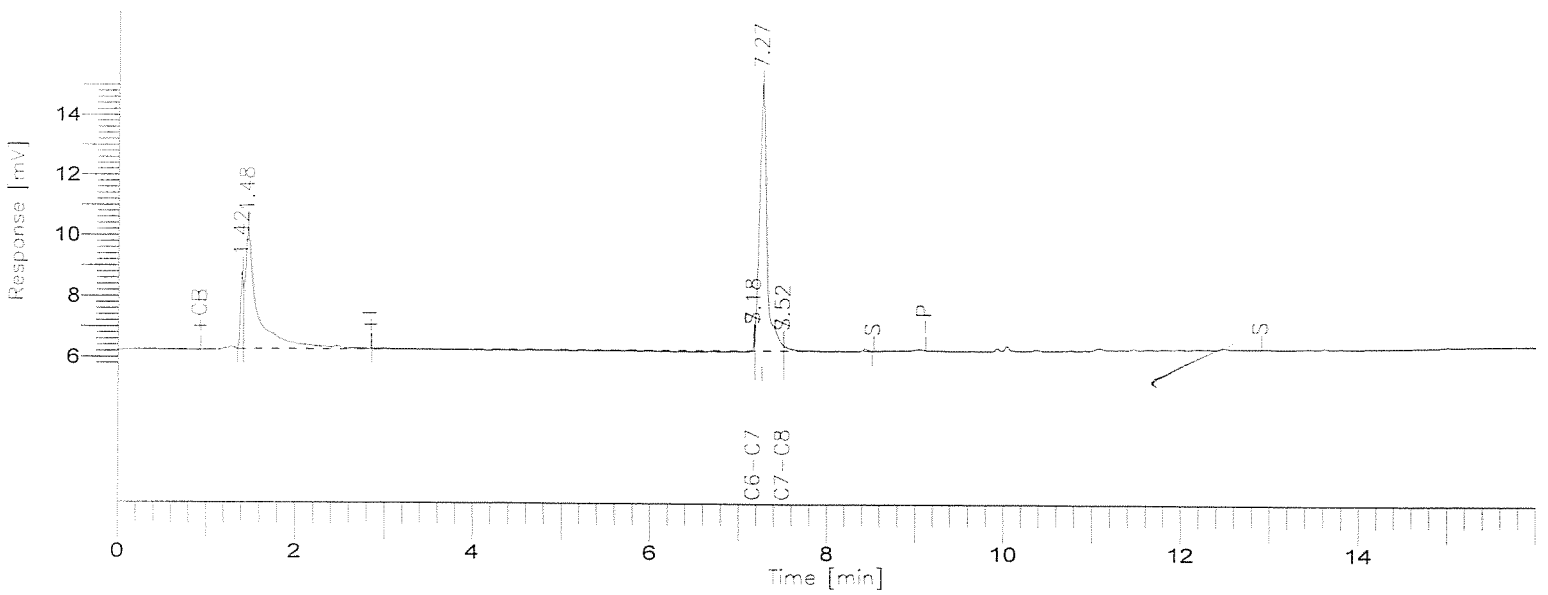
Software Version: 4.1<2F12>
Sample Name : J110284-14 Time : 10/18/00 01:50 AM
Sample Number: 284-14 Study : LOW SOIL
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 01:35 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A019.RAW
Result File : C:\TC4\GC15\O17A019.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A019.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000530

BOE-C6-0165445

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	6580	0.2602	-----	1.00		0.0520
7.27	SURR TFT	51983	0.2247	112.3	0.00		0.0449
		58563					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)
7.18	C6-C7	5865	0.2570	-----	0.00		0.0514
7.52	C7-C8	714	0.2681	-----	0.00		0.0536
		6580					0.1050

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A019.TX0

Lot/Sample: E0J110284-015 C-2-133-5 TICs.....: N Report Results: Y
WO#.....: DM1AE-1-AE 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: 10/18/00
Inject Time..: 2:01 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A020
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:44:26
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2720 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	0.2336	116.8		

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.

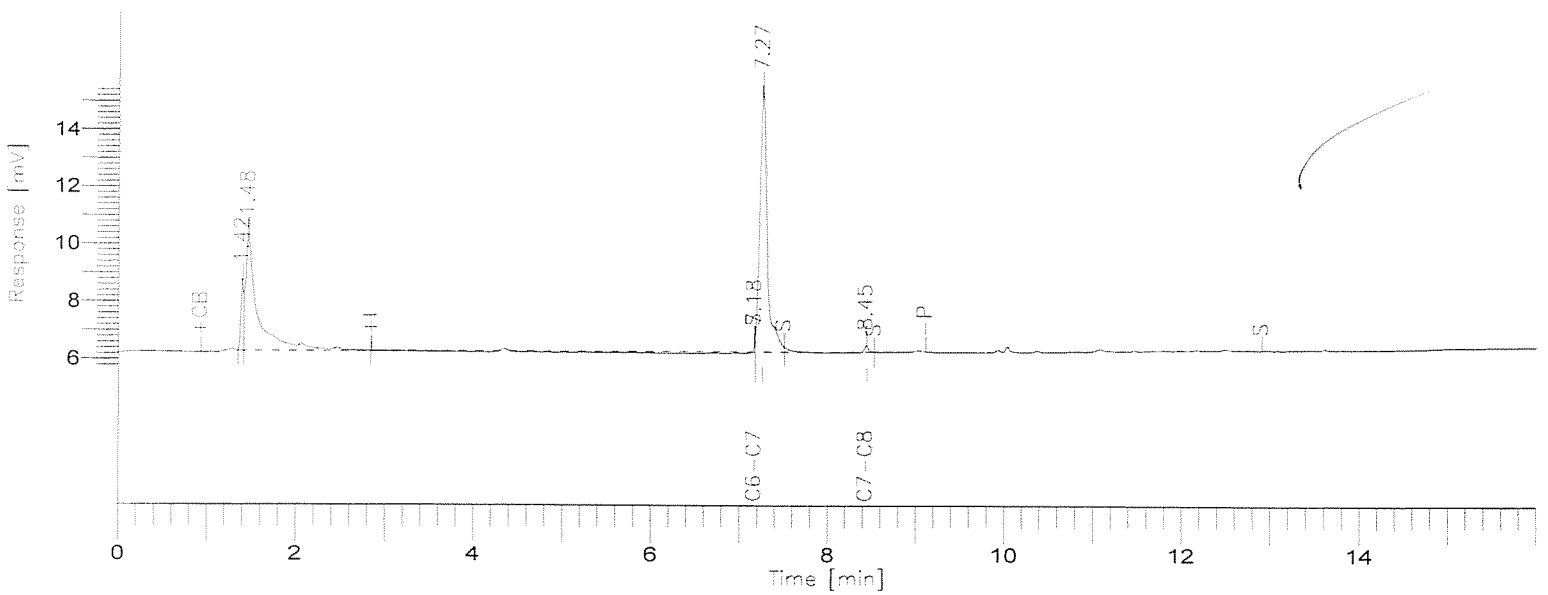
Software Version: 4.1<2F12>
Sample Name : J110284-15 Time : 10/18/00 02:17 AM
Sample Number: 284-15 Study : LOW SOIL
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 02:01 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A020.RAW
Result File : C:\TC4\GC15\O17A020.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A020.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000833

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	7808	0.2720	-----	1.00		0.0544
7.27	SURR TFT	54841	0.2336	116.8	0.00		0.0467
		62650					0.1011

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	7368	0.2773	-----	0.00		0.0555
8.45	C7-C8	441	0.2591	-----	0.00		0.0518
		7808					0.1073

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A020.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 14:15:59

Lot/Sample: E0J110284-021 C-2-104-5
WO#.....: DM1AR-1-AE
SAC.....: XX A 15 KJ 01
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/18/00
Inject Time..: 2:28 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A021
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:44:47
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2662 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	0.2264	113.2		

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.

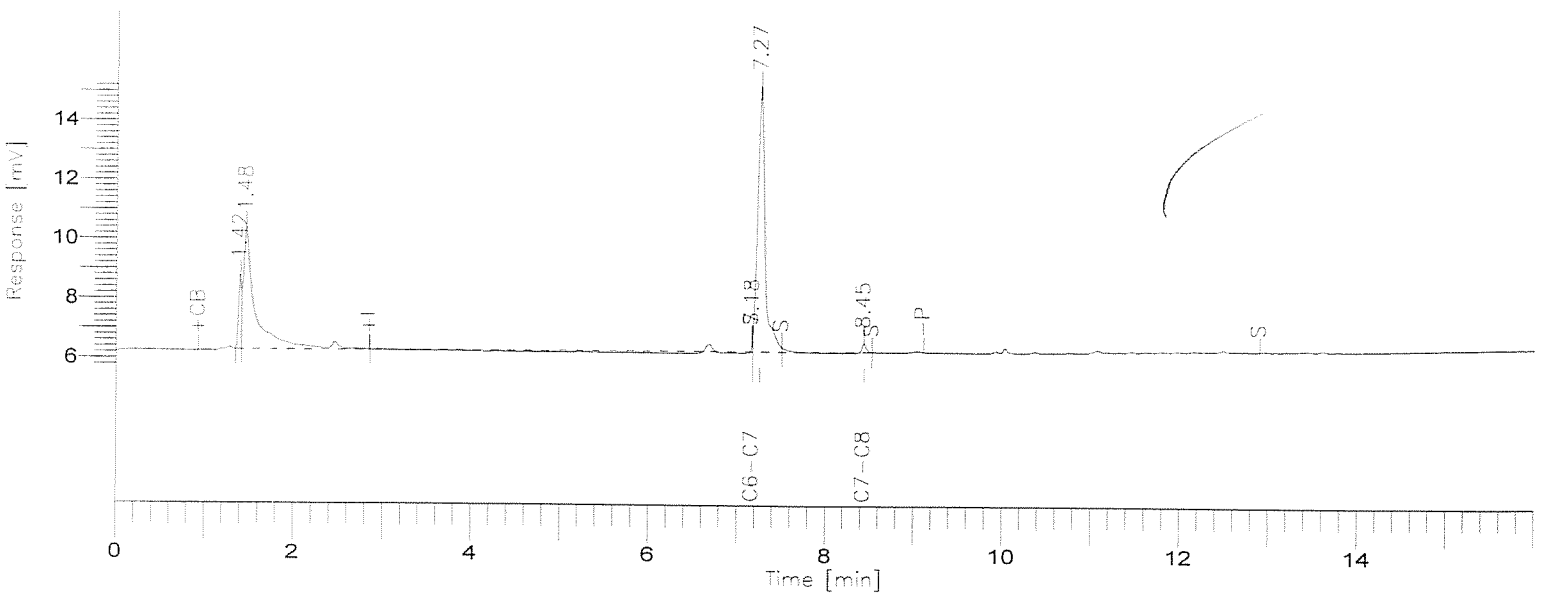
Software Version: 4.1<2F12>
Sample Name : J110284-21 Time : 10/18/00 02:43 AM
Sample Number: 284-21 Study : LOW SOIL
Operator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 02:28 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A021.RAW
Result File : C:\TC4\GC15\O17A021.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A021.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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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000836

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	7198	0.2662	-----	1.00		0.0532
7.27	SURR TFT	52541	0.2264	113.2	0.00		0.0453
		59740					0.0985

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	6844	0.2702	-----	0.00		0.0540
8.45	C7-C8	354	0.2563	-----	0.00		0.0513
		7198					0.1053

C TL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A021.TX0

PDE120
Page: 1

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:45:14

Lot/Sample: E0J110284-022 C-2-104-10 TICs.....: N Report Results: Y
WO#.....: DM1AV-1-AE 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: 10/18/00
Inject Time..: 2:55 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A022
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:44:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2658 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	0.2306	115.3		

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.

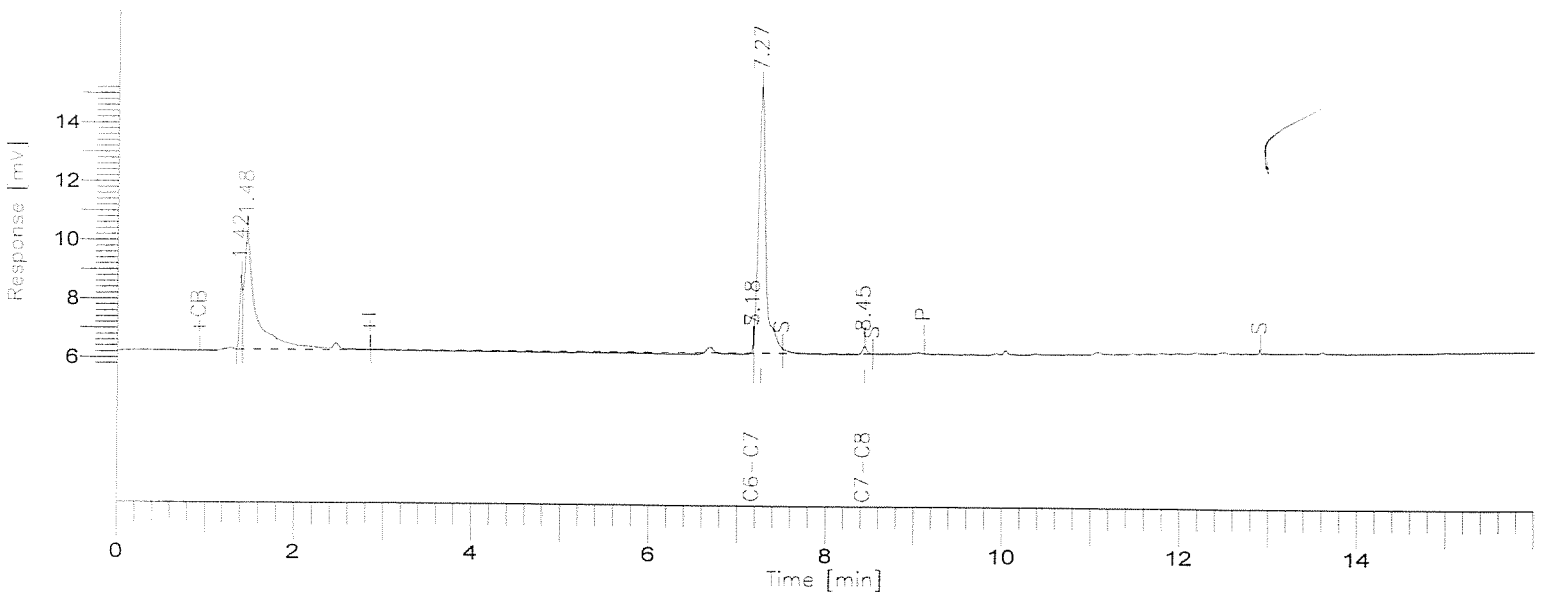
Software Version: 4.1<2F12>
Sample Name : J110284-22 Time : 10/18/00 03:10 AM
Sample Number: 284-22 Study : LOW SOIL
C rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 02:55 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A022.RAW
Result File : C:\TC4\GC15\O17A022.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A022.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000839

BOE-C6-0165454

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	7163	0.2658	-----	1.00		0.0532
7.27	SURR TFT	53878	0.2306	115.3	0.00		0.0461
		61041					0.0993

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	6729	0.2687	-----	0.00		0.0537
8.44	C7-C8	435	0.2590	-----	0.00		0.0518
		7163					0.1055

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A022.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:45:14

Lot/Sample: E0J110284-024 C-2-136-5 TICs.....: N Report Results: Y
WO#.....: DM1A1-1-AE 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: 10/18/00
Inject Time..: 3:48 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A024
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:45:12
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2521 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	0.2288	114.4		

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 : J110284-24
Sample Number: 284-24
Operator :

Time : 10/18/00 04:03 AM
Study : LOW SOIL

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

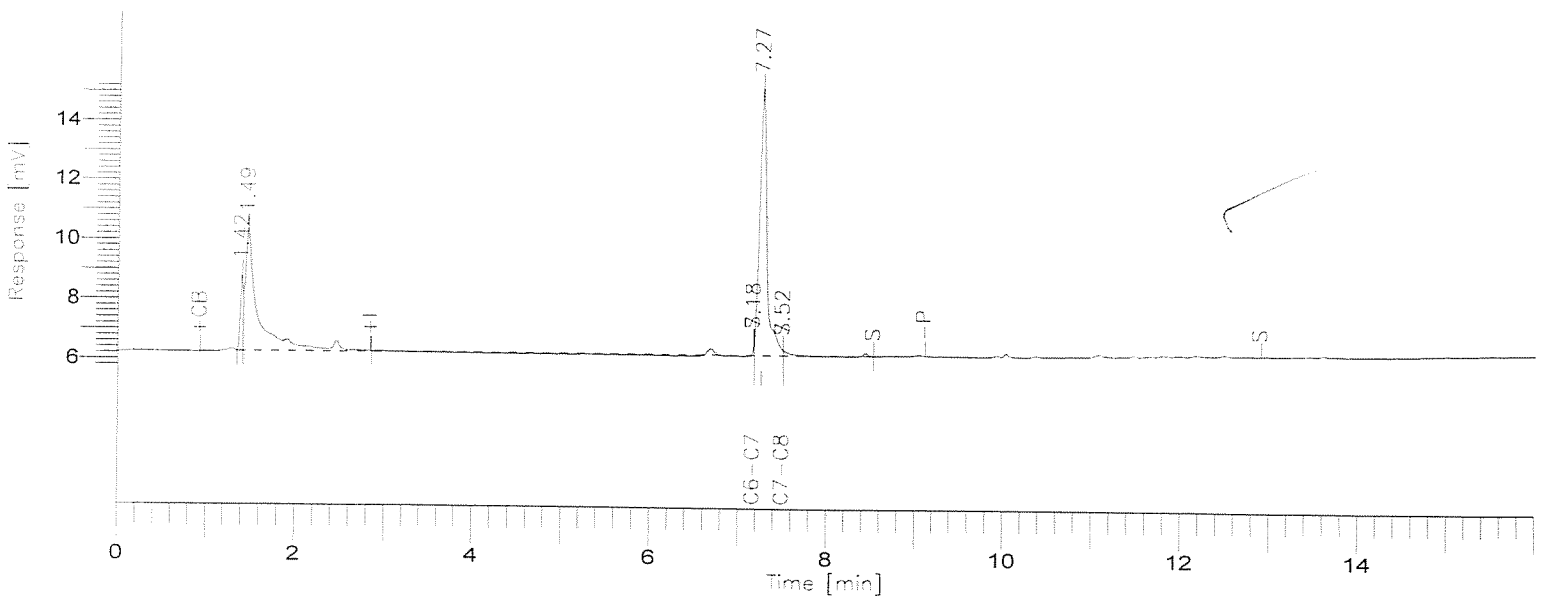
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 03:48 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A024.RAW
Result File : C:\TC4\GC15\O17A024.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A024.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000842

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	5730	0.2521	-----	1.00		0.0504
7.27	SURR TFT	53284	0.2288	114.4	0.00		0.0458
		59014					0.0962

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	5134	0.2471	-----	0.00		0.0494
7.52	C7-C8	596	0.2642	-----	0.00		0.0528
		5730					0.1023

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A024.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:45:52

Lot/Sample: E0J110284-025 C-2-137-1
WO#.....: DM1A3-1-AE
SAC.....: XX A 15 KJ 01
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....:

Analysis Date: 10/18/00
Inject Time..: 4:14 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A025
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:45:51
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2581 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	0.2105	105.25		

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 : J110284-25
Sample Number: 284-25
rator :

Time : 10/18/00 04:29 AM
Study : LOW SOIL

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

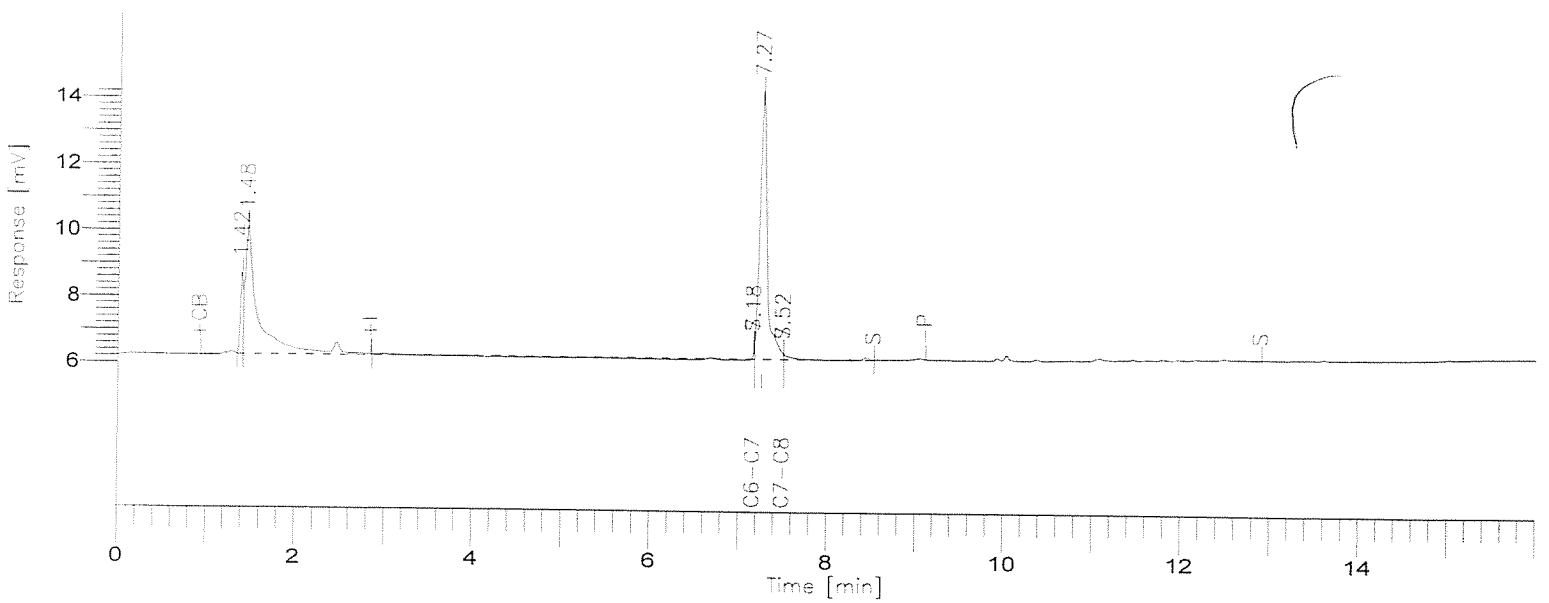
Channel : A A/D mV Range : 1000

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 04:14 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A025.RAW
Result File : C:\TC4\GC15\O17A025.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A025.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000845

BOE-C6-0165460

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	6355	0.2581	-----	1.00		0.0516
7.27	SURR TFT	47574	0.2105	105.3	0.00		0.0421
		53929					0.0937

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	5852	0.2568	-----	0.00		0.0514
7.52	C7-C8	503	0.2612	-----	0.00		0.0522
		6355					0.1036

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A025.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:46:07

Lot/Sample: E0J110284-026 C-2-137-5
WO#.....: DM1A5-1-AE
SAC.....: XX A 15 KJ 01
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/18/00
Inject Time..: 4:41 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A026
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:46:06
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2556 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	0.2195	109.75		

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.

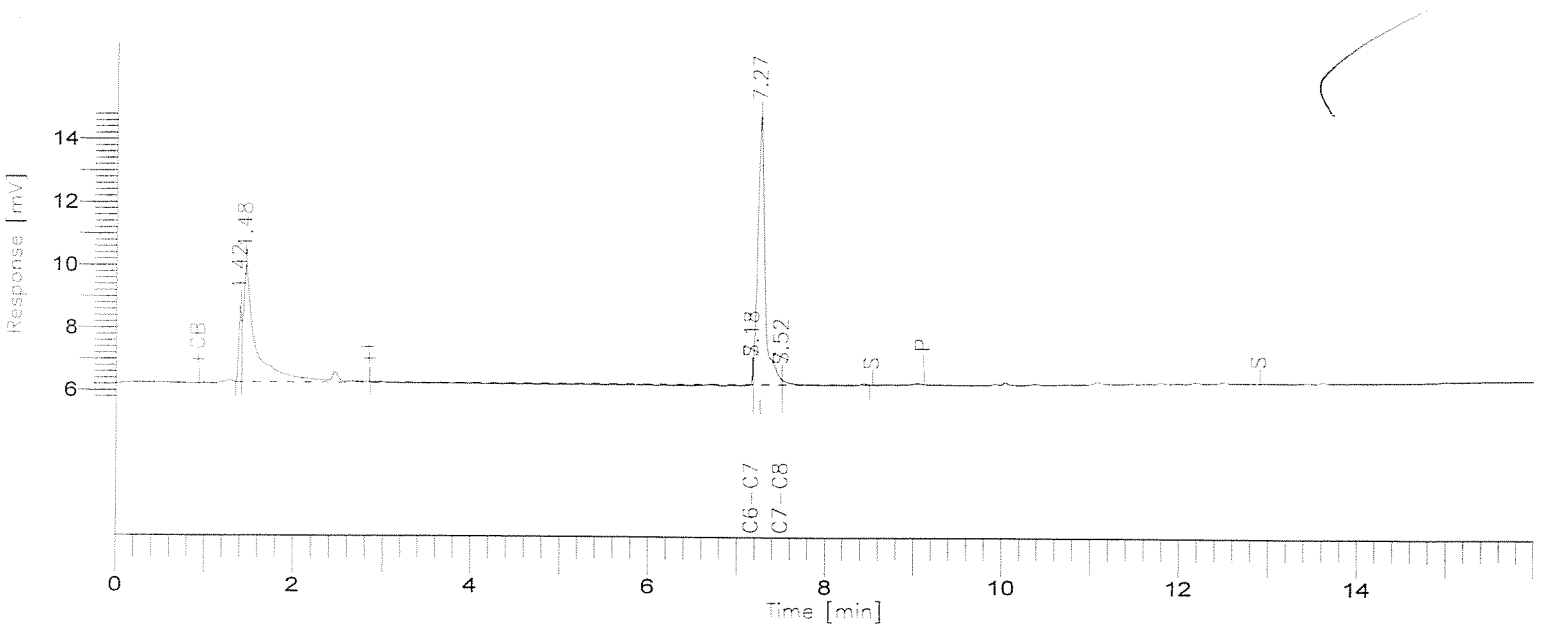
Software Version: 4.1<2F12>
Sample Name : J110284-26 Time : 10/18/00 04:56 AM
Sample Number: 284-26 Study : LOW SOIL
(rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 04:41 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A026.RAW
Result File : C:\TC4\GC15\O17A026.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A026.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000848

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	6101	0.2556	-----	1.00		0.0511
7.27	SURR TFT	50361	0.2195	109.8	0.00		0.0439
		56463					0.0950

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	5395	0.2506	-----	0.00		0.0501
7.52	C7-C8	707	0.2679	-----	0.00		0.0536
		6101					0.1037

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A026.TX0

Lot/Sample: E0J110284-027 C-2-138-5 TICs.....: N Report Results: Y
WO#.....: DM1A6-1-AE 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: 10/18/00
Inject Time..: 5:07 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A027
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:46:23
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2591 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	0.2300	115		

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.

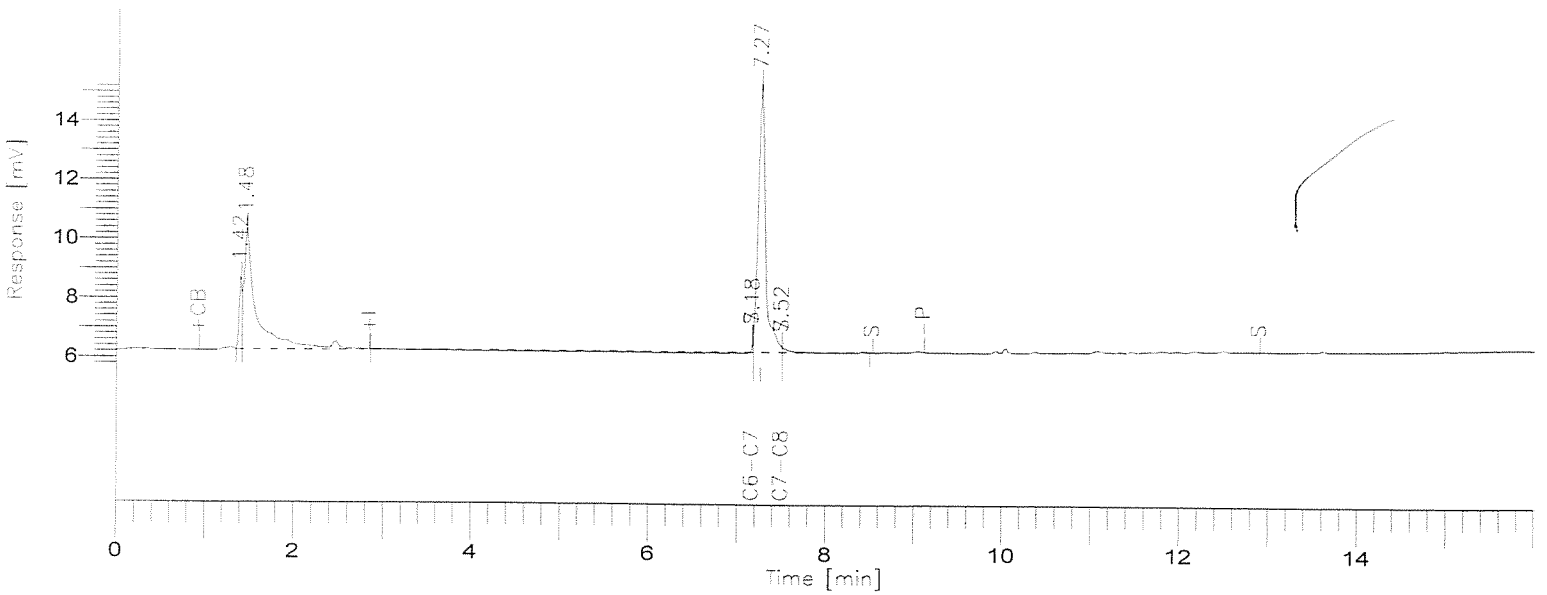
Software Version: 4.1<2F12>
Sample Name : J110284-27 Time : 10/18/00 05:22 AM
Sample Number: 284-27 Study : LOW SOIL
(rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 05:07 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A027.RAW
Result File : C:\TC4\GC15\O17A027.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A027.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000851

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	6466	0.2591	-----	1.00		0.0518
7.27	SURR TFT	53692	0.2300	115.0	0.00		0.0460
		60158					0.0978

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	5725	0.2551	-----	0.00		0.0510
7.52	C7-C8	741	0.2690	-----	0.00		0.0538
		6466					0.1048

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A027.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/24/2000
Time 13:47:00

Lot/Sample: E0J110284-023 C-2-136-1
WO#.....: DM1AX-1-AE
SAC.....: XX A 15 KJ 01
Method....: SOLID / Hydrocarbons, Volatile Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....:

Analysis Date: 10/18/00
Inject Time..: 3:21 Inject Vol: 1.0 Units: mL
Analyst.....: 001464 Jose Alcantara
Dil Factor: 1.00 Instr File: O17A023
Instr ID: G15 Column: DB624 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/24 14:46:56
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/17-10/18/00
QC Batch.....: 0297271
MS Run Number: 0297118
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			0.2414 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	0.2279	113.95		

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.

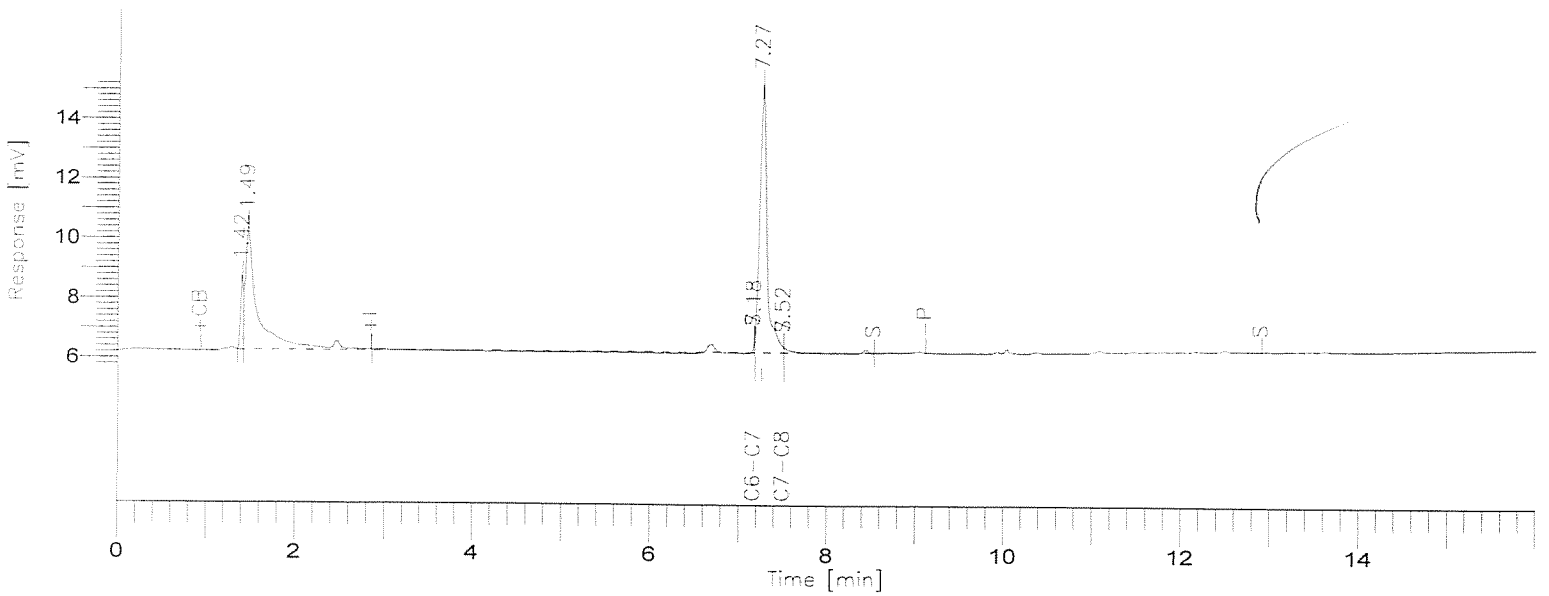
Software Version: 4.1<2F12>
Sample Name : J110284-23 Time : 10/18/00 03:36 AM
Sample Number: 284-23 Study : LOW SOIL
(rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/18/00 03:21 AM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A023.RAW
Result File : C:\TC4\GC15\O17A023.RST
Inst Method : C:\TC4\GC15\METHODS\O17C6-C8 from C:\TC4\GC15\O17A023.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8
Sequence File : C:\TC4\GC15\O17.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

000854

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	GASOLINE RANGE	4619	0.2414	-----	1.00		0.0483
7.27	SURR TFT	53001	0.2279	113.9	0.00		0.0456
		57620					0.0939

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount (ppm)
7.18	C6-C7	4032	0.2321	-----	0.00		0.0464
7.52	C7-C8	587	0.2639	-----	0.00		0.0528
		4619					0.0992

L - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A023.TX0

INITIAL CALIBRATION DATA

Date Analyzed: 10-17-00

Instrument ID: G15A

C6 → C8

BOE-C6-0165471

Turbochrom Method File : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Created by : ps on : 10/17/00 06:16 PM
Edited by : JKA on : 10/17/00 09:02 PM
D cription :

Number of Times Edited : 1
Number of Times Calibrated : 184

Processing Parameters :

Bunch Factor : 1 points
Noise Threshold : 100 µV
Area Threshold : 499.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :

Event #1 - +CB at 0.951
Event #2 - +I at 2.859
Event #3 - S at 2.865
Event #4 - S at 7.151
Event #5 - S at 7.412
Event #6 - S at 8.539
Event #7 - -P at 9.121
Event #8 - S at 12.908

Annotated Replot Parameters :

No replot will be printed

Report Format files :

No report format files given

User Programs :

User Program #1 : C:\TC4\GC15\RST_READ.EXE
Command Line : $RST
Entry Point : Post Analysis
Synchronize : NO

obal Information :

Default Sample Volume : 1.000 ml
Quantitation Units : ppm
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :

SOLV PK

Component Type : Single Peak Component
Retention Time : 2.488 min Search Window: 0.00 s, 3.00 %
Reference Component:
Find largest peak in window
Use Average Calibration Factor (Area / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.5000	10591.79	1195.61	----------	----------	1
2	5.0000	17191.99	2171.78	----------	----------	1
3	10.0000	43646.73	5779.53	----------	----------	1
4	60.0000	84397.22	11375.51	----------	----------	1
5	100.0000	165155.97	22645.80	----------	----------	1

Average Calibration Factor = 6408.966269 (%RSD = 130.30)

C6-C7

Component Type : Single Peak Component
Retention Time : 2.985 min Search Window: 51.00 s, 40.00 %
Reference Component:
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Value 6: 0.000000
Value 7: -1.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	9771.66	434.73	----------	----------	1
2	0.2000	54860.18	1277.13	----------	----------	1
3	0.5000	167457.38	3443.57	----------	----------	1
4	1.0000	361167.65	6984.56	----------	----------	1
5	2.0000	725756.98	13974.10	----------	----------	1
6	5.0000	1830956.09	35029.04	----------	----------	1

Calibration Curve : y = (-13097.277118) + (368977.553957)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999959

SURR TFT

Component Type : Single Peak Component

000858

Retention Time : 7.267 min Search Window: 1.00 s, 4.00 %
Reference Component:
Find largest peak in window
Calibrating Area versus Amount using a 2nd Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.040000
Value 3: 0.040000
Value 4: 0.000000
Value 5: 2.000000
Value 6: 0.000000
Value 7: 108.018306
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0100	9641.37	1721.48	----------	----------	1
2	0.0200	18776.19	3261.44	----------	----------	1
3	0.0300	31396.50	5242.60	----------	----------	1
4	0.0400	46329.78	7394.76	----------	----------	1
5	0.0600	75729.81	11810.06	----------	----------	1
6	0.0800	122096.73	17751.22	----------	----------	1

Calibration Curve : y = (2951.800395) + (595941.707498)x + (11017966.881632)x^2 + (0.000000)x^3
R-squared : 0.998598

C7-C8
Component Type : Single Peak Component
Retention Time : 8.442 min Search Window: 99.00 s, 55.00 %
Reference Component:
Find largest peak in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Value 6: 0.000000
Value 7: -1.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	5222.72	967.52	----------	----------	1
2	0.2000	23013.23	3939.74	----------	----------	1
3	0.5000	66611.81	10718.33	----------	----------	1
4	1.0000	143307.26	21592.62	----------	----------	1
5	2.0000	296191.93	44827.23	----------	----------	1
6	5.0000	758118.09	114162.40	----------	----------	1

Calibration Curve : y = (-7481.058252) + (152840.158896)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999899

GASOLINE RANGE
Component Type : Named Group 000859

Group Members:
C6-C7
C7-C8

Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.100000
Value 2: 0.000000
Value 3: 1.000000
Value 4: 0.000000
Value 5: 0.000000
Value 6: 0.100000
Value 7: -1.000000

Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0500	14994.37	1402.25	----------	----------	1
2	0.2000	77873.41	5216.87	----------	----------	1
3	0.5000	234069.19	14161.89	----------	----------	1
4	1.0000	504474.91	28577.19	----------	----------	1
5	2.0000	1021948.91	58801.33	----------	----------	1
6	5.0000	2589074.18	149191.44	----------	----------	1

Calibration Curve : y = (-20578.335370) + (521817.712853)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999963

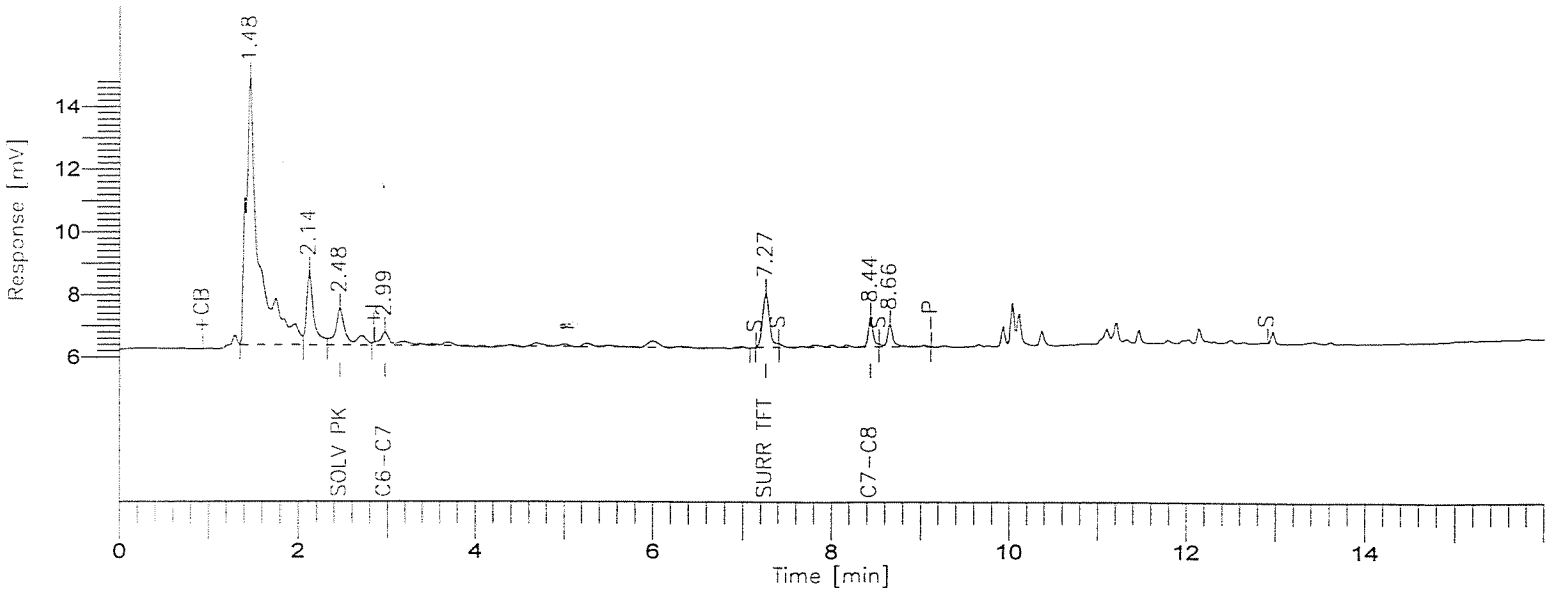
Software Version: 4.1<2F12>
Sample Name : 50/10PPB GAS/TFT Time : 10/17/00 08:56 PM
Sample Number: 50PPB GAS Study :
C rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 06:13 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A003.RAW
Result File : C:\TC4\GC15\O17A003A.RST
Inst Method : C:\TC4\GC15\METHODS\O17GAS from C:\TC4\GC15\O17A003A.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Sequence File : C:\TC4\GC15\O17.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

000861

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.48	SOLV PK	10592	0.1216	-----	0.00		0.1216
7.27	SURR TFT	9641	0.0000	0.0	0.00		0.0000
8.44	GASOLINE RANGE	14994	-0.0143	-----	0.10		-0.0143
		35228					0.1073

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.98	C6-C7	9772	0.0395	-----	0.00		0.0395
8.44	C7-C8	5223	-0.0428	-----	0.00		-0.0428
		14994					-0.0033

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A003A.TX0

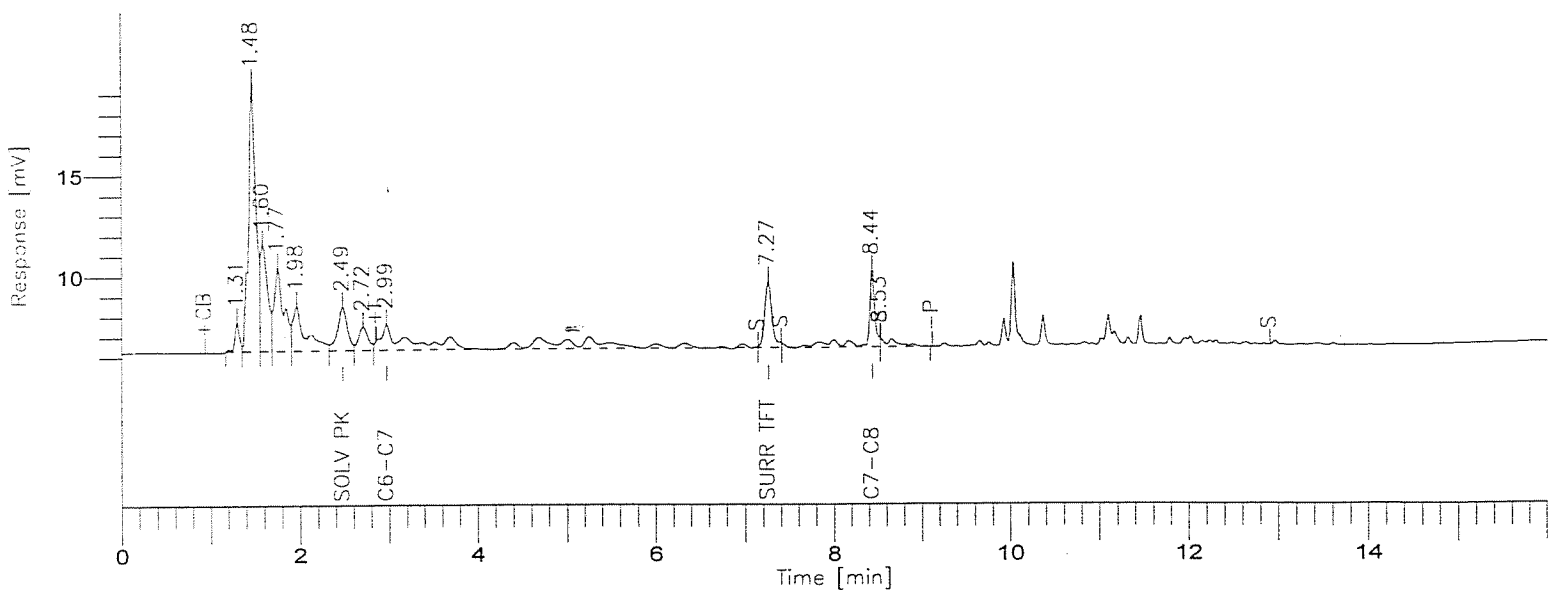
Software Version: 4.1<2F12>
Sample Name : 200/20PPB GAS/TFT Time : 10/17/00 08:57 PM
Sample Number: 200PPB GAS Study :
C :ator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 06:39 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A004.RAW
Result File : C:\TC4\GC15\O17A004A.RST
Inst Method : C:\TC4\GC15\METHODS\O17GAS from C:\TC4\GC15\O17A004A.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Sequence File : C:\TC4\GC15\O17.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

000863

BOE-C6-0165478

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.49	SOLV PK	17192	0.1974	-----	0.00		0.1974
7.27	SURR TFT	18776	0.0074	18.4	0.00		0.0074
8.44	GASOLINE RANGE	77873	0.0160	-----	0.10		0.0160
		113842					0.2207

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.99	C6-C7	54860	0.1022	-----	0.00		0.1022
8.44	C7-C8	23013	-0.0297	-----	0.00		-0.0297
		77873					0.0725

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A004A.TX0

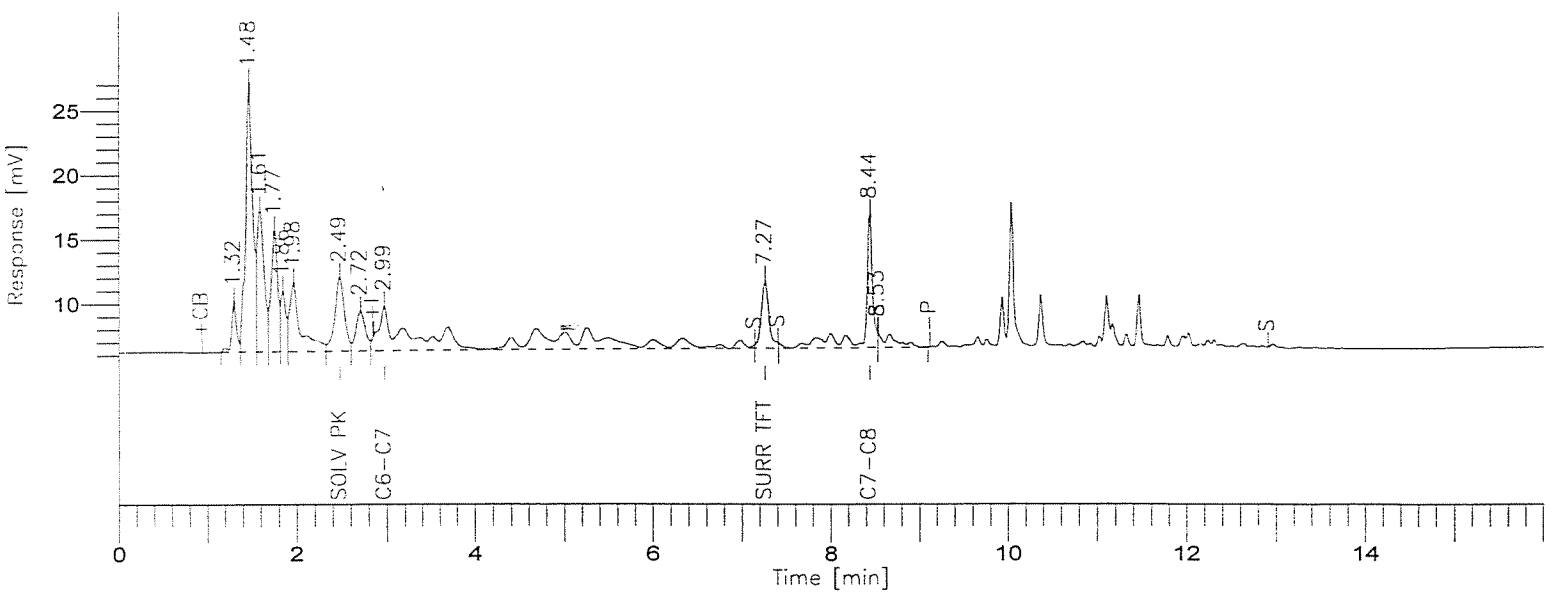
Software Version: 4.1<2F12>
Sample Name : 500/30PPB GAS/TFT Time : 10/17/00 08:58 PM
Sample Number: 500PPB GAS Study :
C rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 07:06 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A005.RAW
Result File : C:\TC4\GC15\O17A005A.RST
Inst Method : C:\TC4\GC15\METHODS\O17GAS from C:\TC4\GC15\O17A005A.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Sequence File : C:\TC4\GC15\O17.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

000865

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.49	SOLV PK	43647	0.5010	-----	0.00		0.5010
7.27	SURR TFT	31396	0.0177	44.4	0.00		0.0177
8.44	GASOLINE RANGE	234069	0.0911	-----	0.10		0.0911
		309112					0.6099

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.99	C6-C7	167457	0.2587	-----	0.00		0.2587
8.44	C7-C8	66612	0.0024	-----	0.00		0.0024
		234069					0.2611

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A005A.TX0

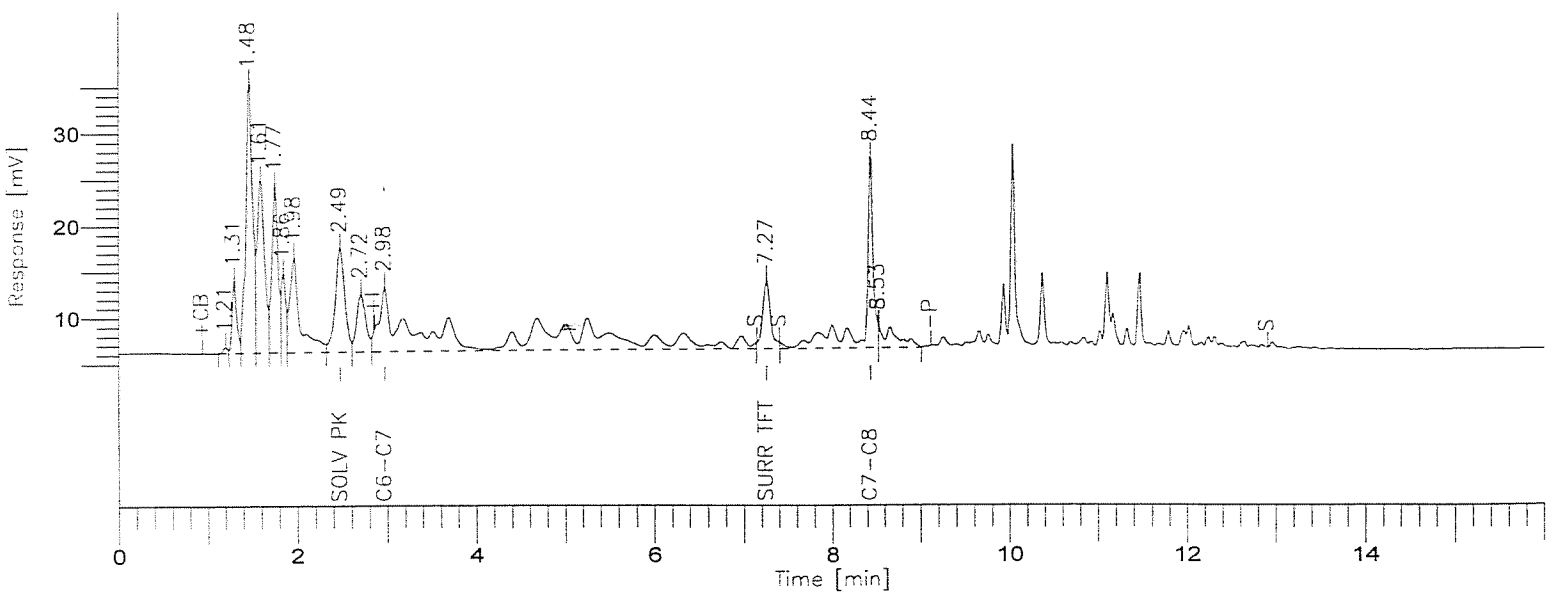
Software Version: 4.1<2F12>
Sample Name : 1000/40PPB GAS/TFT Time : 10/17/00 08:59 PM
Sample Number: 1000PPB Study :
C rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 07:32 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A006.RAW
Result File : C:\TC4\GC15\O17A006A.RST
Inst Method : C:\TC4\GC15\METHODS\O17GAS from C:\TC4\GC15\O17A006A.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Sequence File : C:\TC4\GC15\O17.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

000867

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.49	SOLV PK	84397	0.9688	-----	0.00		0.9688
7.27	SURR TFT	46330	0.0254	63.5	0.00		0.0254
8.44	GASOLINE RANGE	504475	0.2213	-----	0.10		0.2213
		635202					1.2155

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.98	C6-C7	361168	0.5280	-----	0.00		0.5280
8.44	C7-C8	143307	0.0588	-----	0.00		0.0588
		504475					0.5868

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A006A.TX0

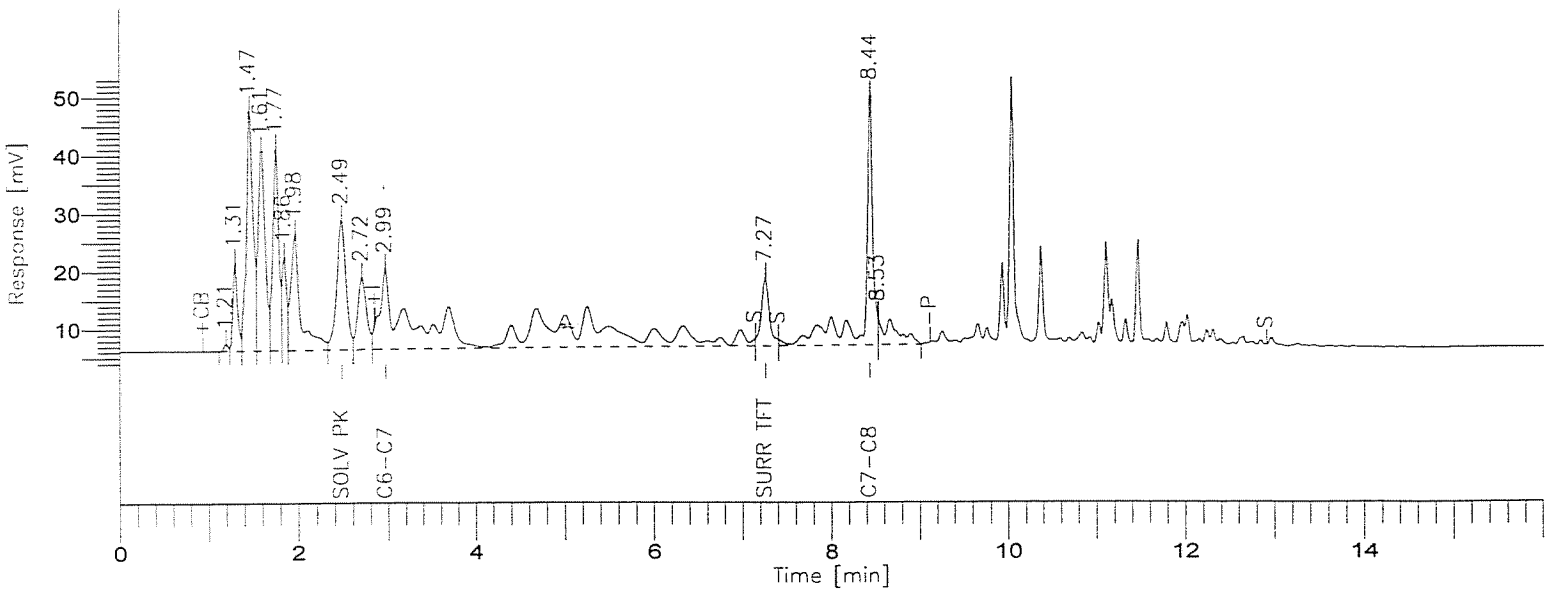
Software Version: 4.1<2F12>
Sample Name : 2000/60PPB GAS/TFT Time : 10/17/00 09:00 PM
Sample Number: 2000PPB Study :
(rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 07:59 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A007.RAW
Result File : C:\TC4\GC15\O17A007A.RST
Inst Method : C:\TC4\GC15\METHODS\O17GAS from C:\TC4\GC15\O17A007A.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Sequence File : C:\TC4\GC15\O17.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
2.49	SOLV PK	165156	1.8959	-----	0.00		1.8959
7.27	SURR TFT	75730	0.0362	90.6	0.00		0.0362
8.44	GASOLINE RANGE	1021949	0.4703	-----	0.10		0.4703
		1262835					2.4024

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.98	C6-C7	725757	1.0348	-----	0.00		1.0348
8.44	C7-C8	296192	0.1714	-----	0.00		0.1714
		1021949					1.2061

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A007A.TX0

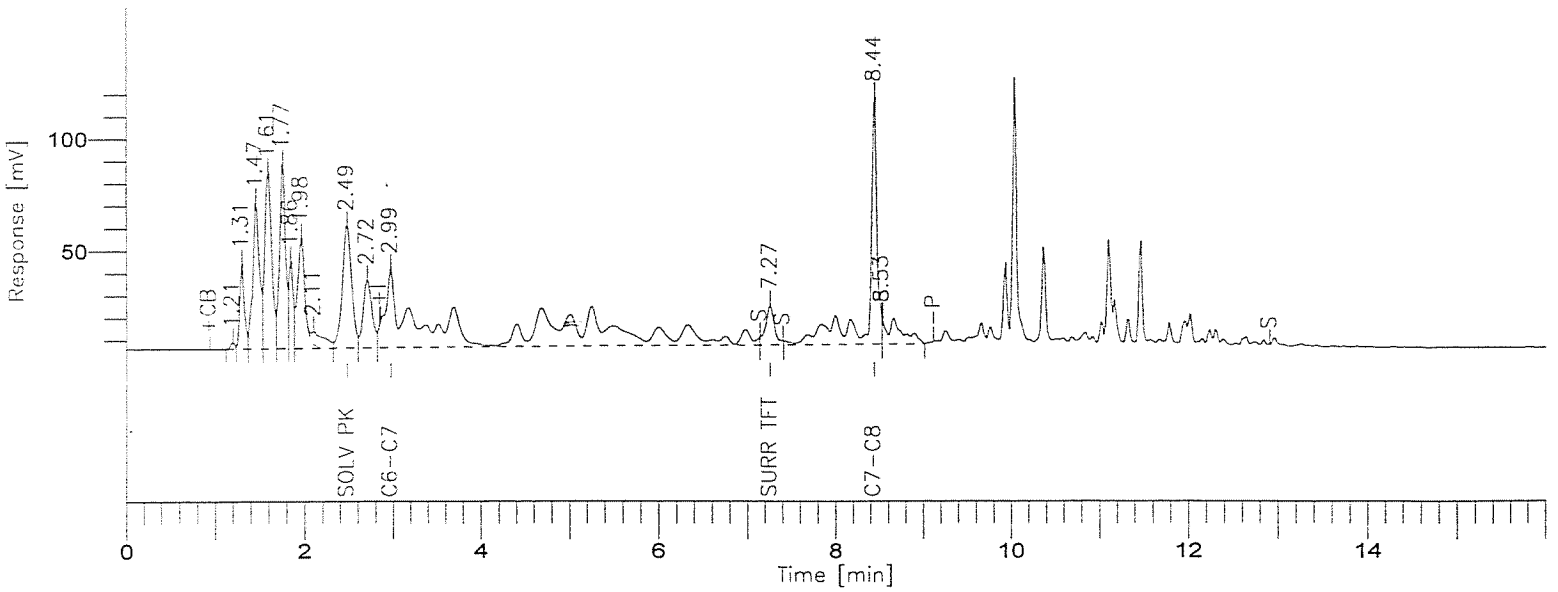
Software Version: 4.1<2F12>
Sample Name : 5000/80PPB GAS/TFT Time : 10/17/00 09:01 PM
Sample Number: 5000PPB Study :
C rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 08:25 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A008.RAW
Result File : C:\TC4\GC15\O17A008A.RST
Inst Method : C:\TC4\GC15\METHODS\O17GAS from C:\TC4\GC15\O17A008A.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8.MTH
Sequence File : C:\TC4\GC15\O17.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

000871

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.49	SOLV PK	407351	4.6762	-----	0.00		4.6762
7.27	SURR TFT	122097	0.0489	122.2	0.00		0.0489
8.44	GASOLINE RANGE	2589074	1.2244	-----	0.10		1.2244
		3118522					5.9495

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	Final Results (ppm)	SURR % REC	R.Limits (ppm)	FN	Raw Amount
2.99	C6-C7	1830956	2.5711	-----	0.00		2.5711
8.44	C7-C8	758118	0.5113	-----	0.00		0.5113
		2589074					3.0824

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A008A.TX0

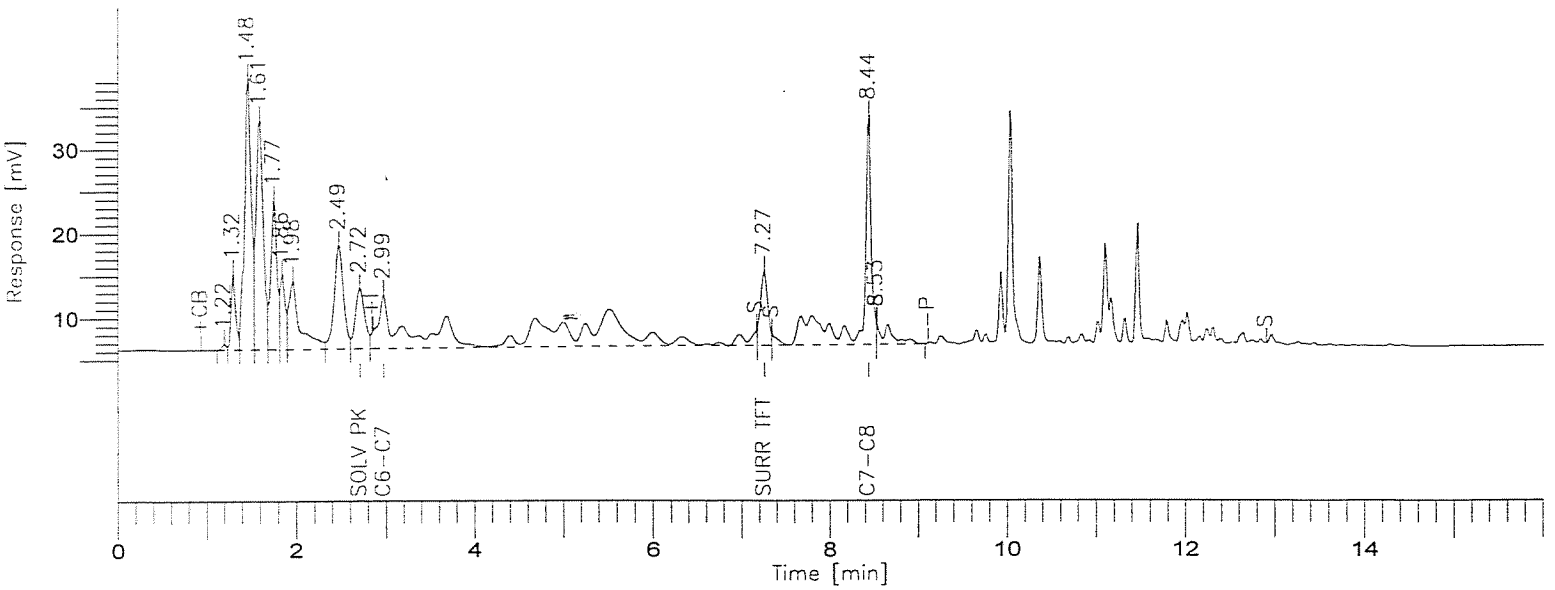
Software Version: 4.1<2F12>
Sample Name : 2ND SOURCE VERIFICATION Time : 10/17/00 09:16 PM
Sample Number: 2ND SOURCE Study :
C rator :

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

Interface Serial # : 0269512307 Data Acquisition Time: 10/17/00 08:52 PM
Delay Time : 0.00 min.
End Time : 16.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\GC15\O17A009.RAW
Result File : C:\TC4\GC15\O17A009.RST
Inst Method : C:\TC4\GC15\METHODS\O17GAS from C:\TC4\GC15\O17A009.RST
Proc Method : C:\TC4\GC15\METHODS\O17C6-C8.mth
Calib Method : C:\TC4\GC15\METHODS\O17C6-C8.mth
Sequence File : C:\TC4\GC15\O17.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]	STD Results (ppm)	STD Level (ppm)	STD % D
2.72	SOLV PK	52595	8.2065	0.0000	-----
7.27	SURR TFT	51090	0.0444	0.0400	10.9
8.44	GASOLINE RANGE	575906	1.1431	1.0000	14.3
		679591			

Group Report For : GASOLINE RANGE

Time [min]	Component Name	Area [uV*sec]	STD Results (ppm)	STD Level (ppm)	STD % D
2.99	C6-C7	369285	1.0363	0.0000	-----
8.44	C7-C8	206621	1.4008	0.0000	-----
		575906			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\GC15\O17A009.TX0

TEPH

LEVEL III

C8 TO C40+

BOE-C6-0165490

TEPH

SAMPLE AND QC DATA

$C_8 \rightarrow C_{40}$

Date(s) Analyzed: 10-25-00 | 10-25-00

Instrument ID: GC1 GC2 GC3 | GC3

Lab #: EOJ 110284

Batch #: 0286487

Samples: B, C, 25, 26, 27,

EOJ 110292-2, 25, 28 Batch QC

EXTRACTION NOTES

BOE-C6-0165492

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

10/17

Run Date: 10/12/00
Time: 19:04:37

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
Y Bench Sheet Copied per COC

Extractionist: 355979 Cornelia Apahidean

Concentrationist: 355979 Cornelia Apahidean

****
* QC BATCH: 0286487 *
****

PREP DATE: 10/12/00
COMP DATE: 10/12/00

Reviewer/Date: APAHIDEC / 10/12/00

Hydrocarbons, Extractable Petroleum (8015B)
EXTRACTION, SOLID/SOLVENT (Auto shaker)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
10/25/00	10/17/00	E0J110284-025 DM1A3-1-AD	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-026 DM1A5-1-AD	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110284-027 DM1A6-1-AD	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-002 DM1DQ-1-AC	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-002 DM1DQ-1-A2S	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-002 DM1DQ-1-A3D	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-003 DM1DT-1-AC	DR	0B	KI	SOLID	20g 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															

000878

BOE-C6-0165493

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/12/00
Time: 19:04:37

QC BATCH: 0286487

PREP DATE: 10/12/00
COMP DATE: 10/12/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/25/00	10/17/00	E0J110292-004 **DM1DV-1-AA**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-005 **DM1D8-1-AE**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-006 **DM1EA-1-AE**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-007 **DM1EC-1-AC**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-008 **DM1ED-1-AC**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-009 **DM1EE-1-AE**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-010 **DM1EF-1-AC**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-011 **DM1EG-1-AE**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-012 **DM1EJ-1-AC**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-014 **DM1EM-1-AA**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															

BOE-C6-0165494

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 10/12/00
Time: 19:04:37

QC BATCH: 0286487

PREP DATE: 10/12/00
COMP DATE: 10/12/00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
10/25/00	10/17/00	E0J110292-015 **DM1EN-1-AA**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-016 **DM1EP-1-AA**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-017 **DM1EQ-1-AE**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-018 **DM1ER-1-AC**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	10/17/00	E0J110292-019 **DM1ET-1-AE**	DR	0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	0/00/00	E0J120000-487 **DM3K3-1-AAB**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1562-1SCS/250PPM/1ML
COMMENTS:															
10/25/00	0/00/00	E0J120000-487 **DM3K3-1-ACC**		0B	KI	SOLID	**20g** 5.00mL	NA	NA	NA	MECL2	80.0		.0	TEPH1564-2DCS/5000PPM/1M TEPH1562-1SCS/250PPM/1ML
COMMENTS:															

SPKD BY: CA MECL2/T23272 NA2SO4/8024
METHOD: SOLID/SOLVENT EXTRACTION (AUTO SHAKER).
RELINQUISHED BY/DATE: CA 10-13-00 RECEIVED BY/DATE: EC 10-13-00

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 24

000580

BOE-C6-0165495

61	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
62	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
63	Sample	292-MB	DM8QV1AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
64	Sample	292-LCS	DM8QV1ACC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
65	Sample	292-LCD	DM8QV1ADL	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
66	Sample	292-13	DM1EK1A0	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	1000.000	0.000	100.000
67	Sample	292-MB	DM3K31AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	292-LCS	DM3K31ACC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample	292-02	DM1DQ1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
70	Sample	292-02 MS	DM1DQ1A2S	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
71	Sample	292-02 MSD	DM1DQ1A3D	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
72	Sample	292-03	DM1DT1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
73	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
74	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
75	Sample	292-04 20X	DM1DV1AA	ICAL 9/27/	1.000	1.000	1.000	20.000	5.000	20.000	0.000	100.000
76	Sample	292-05	DM1D81AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
77	Sample	292-06	DM1EA1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
78	Sample	292-07	DM1EC1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
79	Sample	292-08	DM1ED1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
80	Sample	292-09	DM1EE1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
81	Sample	292-10	DM1EF1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
82	Sample	292-11	DM1EG1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
83	Sample	292-12	DM1EJ1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
84	Sample	292-14	DM1EM1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
85	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
86	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
87	Sample	292-15	DM1EN1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
88	Sample	292-16	DM1EP1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
89	Sample	292-17	DM1EQ1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
90	Sample	292-18	DM1ER1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
91	Sample	292-19	DM1ET1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
92	Sample	284-MB	DM3KJ1AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
93	Sample	284-23	DM1AX1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
94	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
95	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
96	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
97	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
98	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
99	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
100	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
101	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
102	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
105	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
106	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Turbochrom Sequence File : C:\TC4\DATA_3\023.SEQ
Created by : EM on : 10/23/00 08:01 AM
Edited by : EC on : 10/25/00 01:32 PM
Description :

Number of Times Edited : 6

Sequence File Header Information:

Number of Rows : 106
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	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	DAILY RT MARKER	C8-C40	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Sample	226-27 50X	DLTE1101	ICAL 9/27/	1.000	1.000	1.000	50.000	5.000	20.000	0.000	100.000
7	Sample	226-17	DLTDG102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
8	Sample	226-19	DLTDM102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	226-20	DLTDN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Sample	226-22	DLTDR101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
11	Sample	226-23	DLTDV101	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
12	Sample	226-24 2X	DLTDW101	ICAL 9/27/	1.000	1.000	1.000	2.000	5.000	20.000	0.000	100.000
13	Sample	226-25 20X	DLTDX101	ICAL 9/27/	1.000	1.000	1.000	20.000	5.000	20.000	0.000	100.000
14	Sample	226-26 10X	DLTE0101	ICAL 9/27/	1.000	1.000	1.000	10.000	5.000	20.000	0.000	100.000
15	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
16	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
[illegible]	Sample	227-02	DLTCE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	227-03	DLTCF102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	227-04	DLTCG102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	227-05	DLTCH102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	227-06	DLTCK102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Sample	227-07	DLTCL102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
23	Sample	227-08	DLTCM102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
24	Sample	227-09	DLTCN102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	227-10	DLTCP102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	227-11	DLTCQ102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
28	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
29	Sample	227-MB	DLW5A101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
30	Sample	227-LCS	DLW5A102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
31	Sample	227-12	DLTCR102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	227-12 MS	DLTCR10PS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	227-12 MSD	DLTCR10QD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	227-13	DLTCT102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	227-14	DLTCW102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	227-19	DLTD5102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	227-21	DLTD7102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	227-22	DLTD9102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
40	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
41	Sample	227-23	DLTDC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
42	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
44	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
45	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
46	Sample	227-MB	DLW5A101B	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	227-LCS	DLW5A102C	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample	227-12	DLTCR102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	227-12 MS	DLTCR10PS	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	227-12 MSD	DLTCR10QD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	227-13	DLTCT102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	227-14	DLTCW102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	227-19	DLTD5102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Sample	227-21	DLTD7102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
55	Sample	227-22	DLTD9102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
56	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
57	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
58	Sample	227-23	DLTDC102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample	227-25	DLTDE102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample	227-26	DLTDF102	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/25/00 01:49 AM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/25/00 01:20 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

diesel

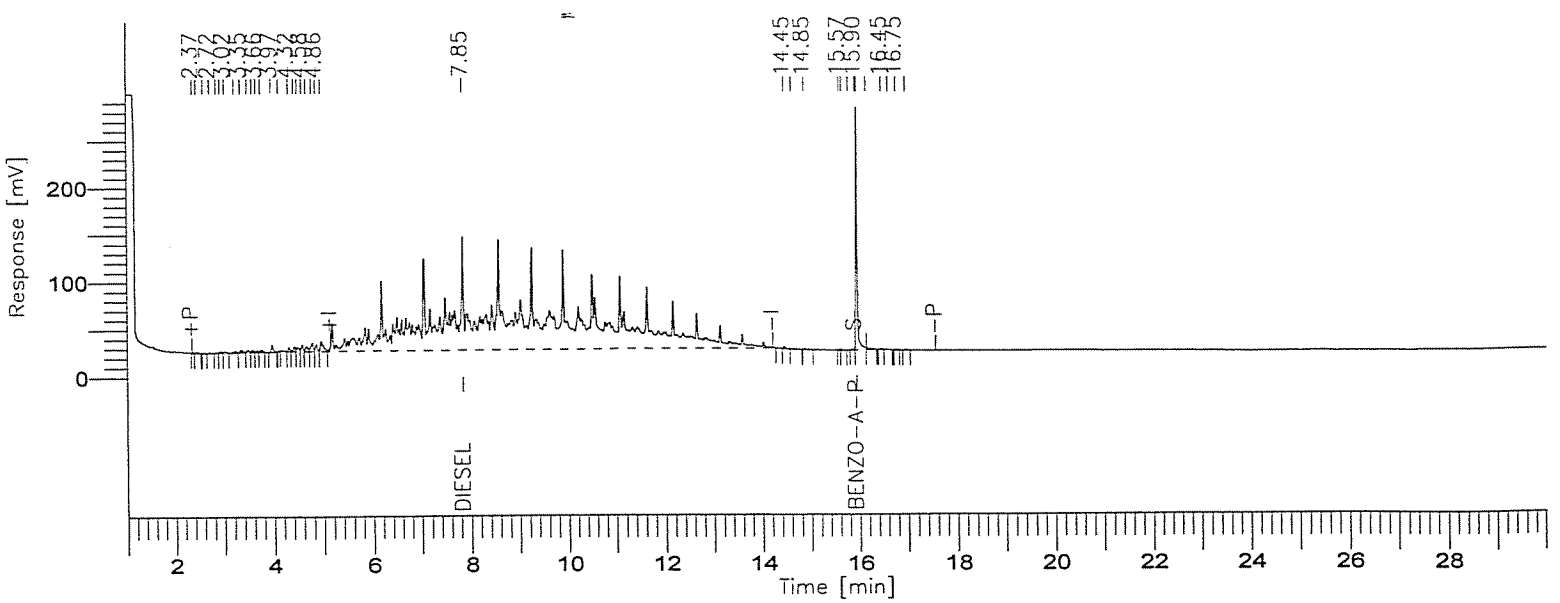
Raw Data File : C:\TC4\DATA_3\O23_061.RAW
Result File : C:\TC4\DATA_3\O23_061.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_061.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 37



000583

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.370		1494	0.0015	------	----------
2.448		4413	0.0044	------	----------
2.591		957	0.0010	------	----------
2.720		1726	0.0017	------	----------
2.850		1188	0.0012	------	----------
2.933		6816	0.0068	------	----------
3.022		4582	0.0046	------	----------
3.219		5545	0.0055	------	----------
3.346		9678	0.0097	------	----------
3.482		6834	0.0068	------	----------
3.579		5564	0.0056	------	----------
3.662		4476	0.0045	------	----------
3.754		8326	0.0083	------	----------
3.969		24232	0.0242	------	----------
4.116		1888	0.0019	------	----------
4.315		12756	0.0128	------	----------
4.424		17813	0.0178	------	----------
4.488		16687	0.0167	------	----------
4.581		20982	0.0210	------	----------
4.667		20286	0.0203	------	----------
4.780		33743	0.0337	------	----------
4.862		22096	0.0221	------	----------
4.958		48273	0.0483	------	----------
7.849	DIESEL	11784801	1206.5233	1000.0	20.65
14.448		5293	0.0053	------	----------
14.597		899	0.0009	------	----------
14.851		2002	0.0020	------	----------
15.571		1332	0.0013	------	----------
15.627		1501	0.0015	------	----------
15.768		258	0.0003	------	----------
15.900		5909	0.0059	------	----------
15.935	BENZO-A-PYRENE	542692	60.9712	50.0	21.94
16.133		7873	0.0079	------	----------
16.446		2354	0.0024	------	----------
16.585		2188	0.0022	------	----------
16.749		1874	0.0019	------	----------
16.939		1842	0.0018	------	----------
		12641174	1267.8082		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_061.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-203 RT MARKER Time : 10/25/00 02:28 AM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/25/00 01:59 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

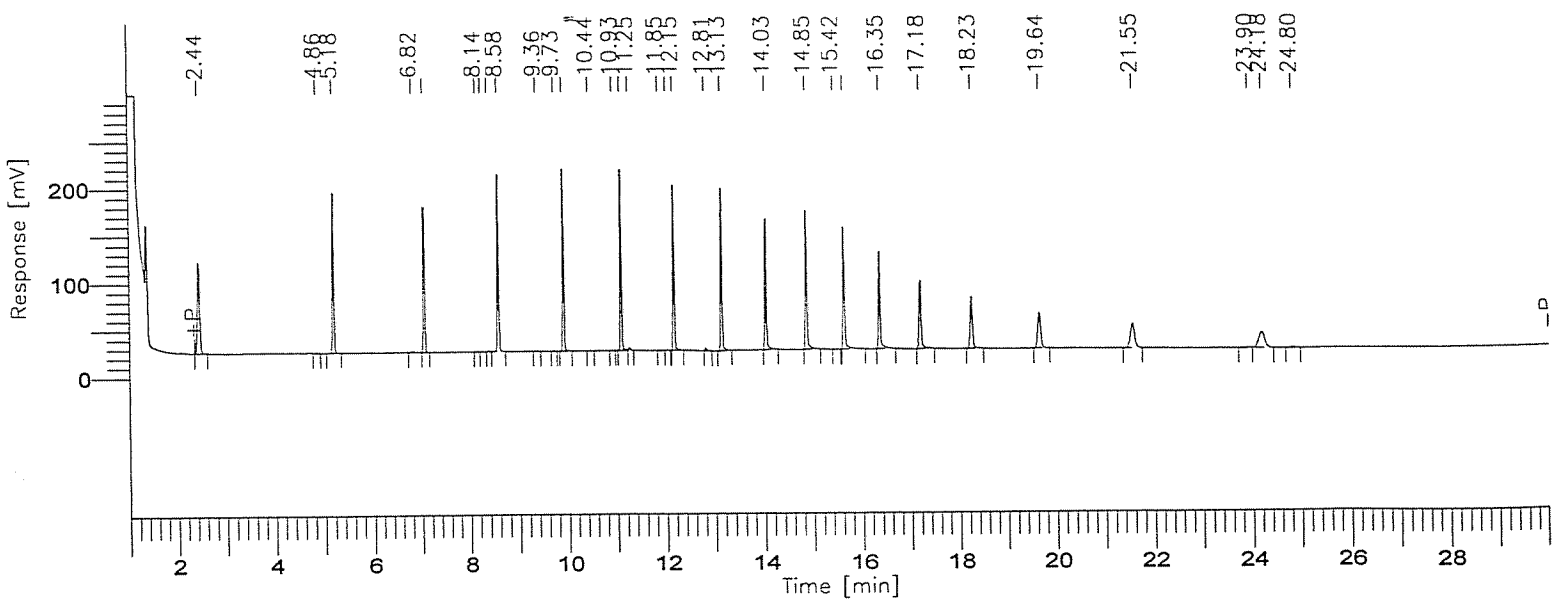
Raw Data File : C:\TC4\DATA_3\O23_062.RAW
Result File : C:\TC4\DATA_3\O23_062.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O23_062.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 33



000586

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	328528	30.0655	30.0	0.22
6.074	C10-C11	349308	29.8068	30.0	-0.64
7.769	C12-C13	353624	28.4300	30.0	-5.23
9.180	C14-C15	356203	29.1477	30.0	-2.84
10.441	C16-C17	358935	29.4823	30.0	-1.73
11.579	C18-C19	365539	30.0480	30.0	0.16
13.051	C20-C23	701283	29.5392	30.0	-1.54
14.784	C24-C27	640225	29.4944	30.0	-1.69
16.356	C28-C31	536526	29.6115	30.0	-1.29
18.348	C32-C35	406698	30.5279	30.0	1.76
21.815	C36-C39	335456	32.8474	30.0	9.49
27.034	C40+	146961	34.6282	30.0	15.43
		4879288	363.6287		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.439		326663	0.3267	------	----------
4.860		1865	0.0019	------	----------
		328528	0.3285		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.181		346931	0.3469	------	----------
6.817		2378	0.0024	------	----------
		349308	0.3493		

Group Report For : C12-C13

Time	Component	Area	ACTUAL	TRUE	%

000887

[min]	Name	[µV·s]	VALUE (PPM)	VALUE	D
058		349364	0.3494	------	----------
.143		1569	0.0016	------	----------
8.250		717	0.0007	------	----------
8.378		1974	0.0020	------	----------
		353624	0.3536		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.581		353940	0.3539	------	----------
9.361		1180	0.0012	------	----------
9.726		1084	0.0011	------	----------
		356203	0.3562		

Group Report For : C16-C17

me [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.902		357179	0.3572	------	----------
10.435		572	0.0006	------	----------
10.930		1184	0.0012	------	----------
		358935	0.3589		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.085		355916	0.3559	------	----------
11.251		6558	0.0066	------	----------
11.852		955	0.0010	------	----------
12.016		2110	0.0021	------	----------
		365539	0.3655		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D

12.153	353158	0.3532	------	----------
12.805	6902	0.0069	------	----------
[illegible].131	341224	0.3412	------	----------
	701283	0.7013		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.027		328650	0.3286	------	----------
14.852		311186	0.3112	------	----------
15.417		389	0.0004	------	----------
		640225	0.6402		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
[illegible]5.619		287560	0.2876	------	----------
[illegible]6.347		248967	0.2490	------	----------
		536526	0.5365		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.176		217599	0.2176	------	----------
18.234		189099	0.1891	------	----------
		406698	0.4067		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
[illegible]9.637		170814	0.1708	------	----------
21.545		160296	0.1603	------	----------
23.903		4346	0.0043	------	----------
		335456	0.3355		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.178		143820	0.1438	------	----------
24.800		3141	0.0031	------	----------
		146961	0.1470		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_062.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/25/00 09:40 AM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/25/00 09:11 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

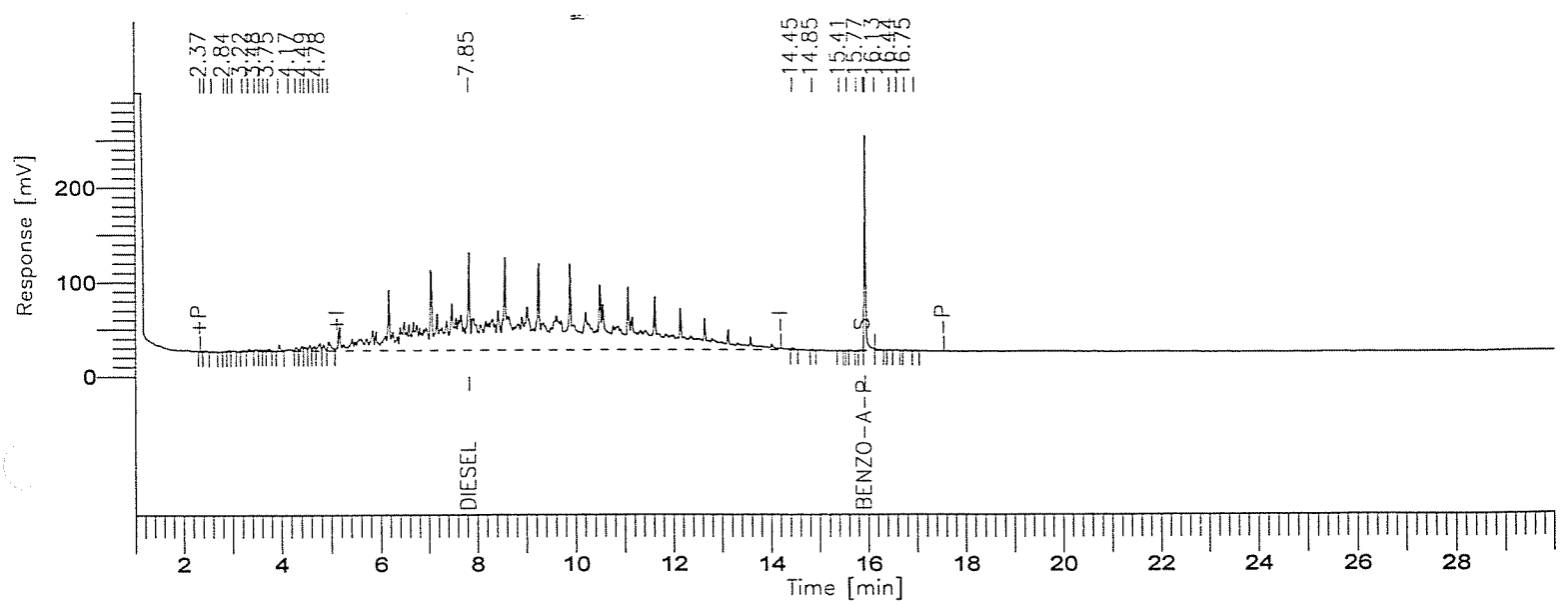
Raw Data File : C:\TC4\DATA_3\O23_073.RAW
Result File : C:\TC4\DATA_3\O23_073.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_073.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 35



000891

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.366		1488	0.0015	------	----------
2.444		3729	0.0037	------	----------
2.599		826	0.0008	------	----------
2.844		1038	0.0010	------	----------
2.930		5502	0.0055	------	----------
3.018		4379	0.0044	------	----------
3.217		5014	0.0050	------	----------
3.341		8874	0.0089	------	----------
3.479		6117	0.0061	------	----------
3.576		5014	0.0050	------	----------
3.659		4079	0.0041	------	----------
3.751		7662	0.0077	------	----------
3.967		22832	0.0228	------	----------
4.174		16038	0.0160	------	----------
[illegible].313		14330	0.0143	------	----------
4.421		19387	0.0194	------	----------
4.486		17728	0.0177	------	----------
4.579		21241	0.0212	------	----------
4.665		19075	0.0191	------	----------
4.779		35825	0.0358	------	----------
4.859		22956	0.0230	------	----------
4.956		48540	0.0485	------	----------
7.849	DIESEL	10692467	1094.6905	1000.0	9.47
14.447		6481	0.0065	------	----------
14.850		2201	0.0022	------	----------
15.413		645	0.0006	------	----------
15.570		830	0.0008	------	----------
15.768		232	0.0002	------	----------
15.900		6848	0.0068	------	----------
15.933	BENZO-A-PYRENE	465677	52.3185	50.0	4.64
16.133		5567	0.0056	------	----------
16.444		2255	0.0023	------	----------
16.583		1834	0.0018	------	----------
16.748		1538	0.0015	------	----------
16.938		1461	0.0015	------	----------
		11479710	1147.3306		

Missing Component Report

Component Expected Retention (Calibration File)

All components were found

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STL - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_3\O23_073.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-203 RT MARKER Time : 10/25/00 10:19 AM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/25/00 09:50 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

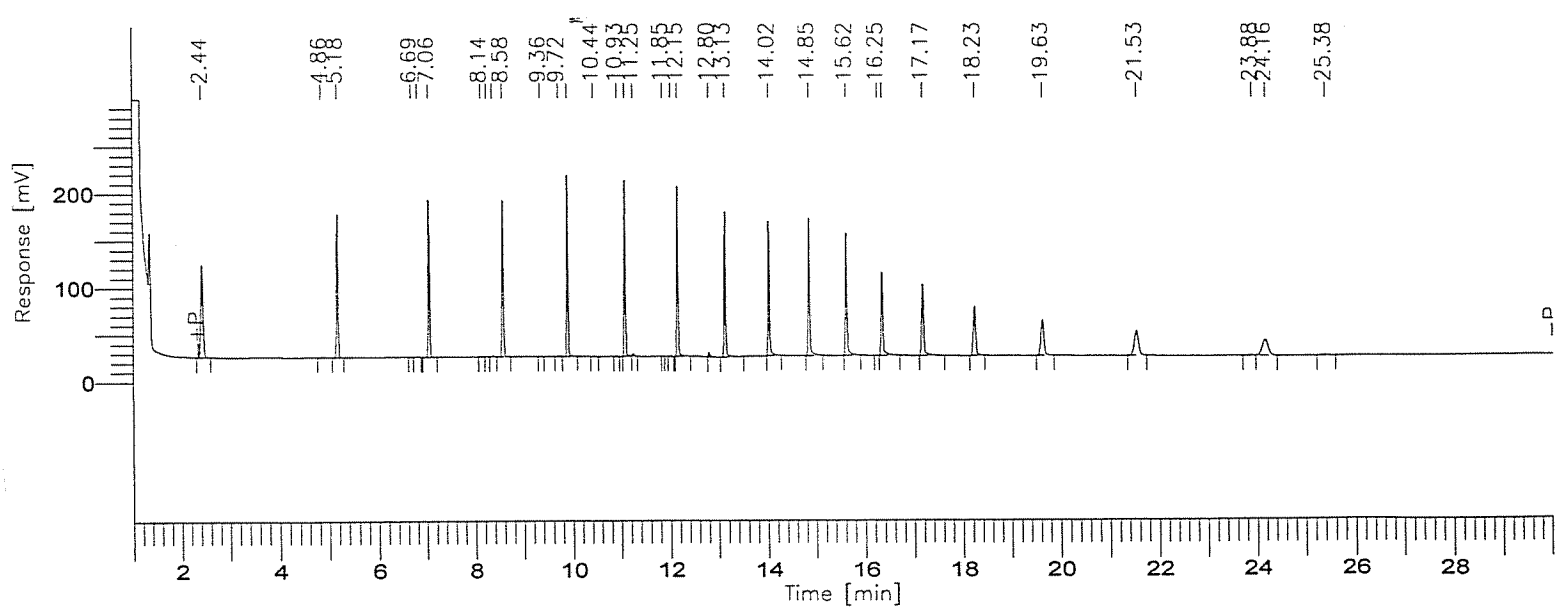
Raw Data File : C:\TC4\DATA_3\O23_074.RAW
Result File : C:\TC4\DATA_3\O23_074.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O23_074.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 34



000894

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	322185	29.4850	30.0	-1.72
6.074	C10-C11	338879	28.9168	30.0	-3.61
7.769	C12-C13	343087	27.5828	30.0	-8.06
9.180	C14-C15	344999	28.2309	30.0	-5.90
10.441	C16-C17	347401	28.5349	30.0	-4.88
11.579	C18-C19	351845	28.9223	30.0	-3.59
13.051	C20-C23	686240	28.9055	30.0	-3.65
14.784	C24-C27	617562	28.4503	30.0	-5.17
16.356	C28-C31	513470	28.3390	30.0	-5.54
18.348	C32-C35	399239	29.9680	30.0	-0.11
21.815	C36-C39	334542	32.7579	30.0	9.19
27.034	C40+	150362	35.4296	30.0	18.10
		4749810	355.5229		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.436		320183	0.3202	------	----------
4.856		2002	0.0020	------	----------
		322185	0.3222		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.178		335431	0.3354	------	----------
6.687		626	0.0006	------	----------
6.815		2822	0.0028	------	----------
		338879	0.3389		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
.055		338707	0.3387	------	----------
8.137		1592	0.0016	------	----------
8.250		706	0.0007	------	----------
8.373		2082	0.0021	------	----------
		343087	0.3431		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.578		342685	0.3427	------	----------
9.356		1227	0.0012	------	----------
9.722		1087	0.0011	------	----------
		344999	0.3450		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.900		345692	0.3457	------	----------
10.436		636	0.0006	------	----------
10.926		1074	0.0011	------	----------
		347401	0.3474		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.083		343504	0.3435	------	----------
11.250		5967	0.0060	------	----------
11.851		285	0.0003	------	----------
12.014		2089	0.0021	------	----------
		351845	0.3518		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D

12.151	342794	0.3428	------	----------
1[illegible] 802	11123	0.0111	------	----------
1[illegible].129	332323	0.3323	------	----------
	686240	0.6862		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.021		317849	0.3178	------	----------
14.850		299712	0.2997	------	----------
		617562	0.6176		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
[illegible].617		270928	0.2709	------	----------
[illegible].250		478	0.0005	------	----------
16.342		242064	0.2421	------	----------
		513470	0.5135		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.170		215154	0.2152	------	----------
18.228		184085	0.1841	------	----------
		399239	0.3992		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
19.629		170491	0.1705	------	----------
21.534		160379	0.1604	------	----------
23.884		3672	0.0037	------	----------
		334542	0.3345		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.161		144390	0.1444	------	----------
25.379		5972	0.0060	------	----------
		150362	0.1504		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_074.TX0

Turbochrom Sequence File : C:\TC4\DATA_3\026.SEQ
Created by : EM on : 10/26/00 08:16 AM
Edited by : EC on : 10/26/00 10:17 AM
Description :

Number of Times Edited : 2

FJK 10/27/00

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	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
2	Sample	MECL2	MECL2	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
3	Sample	DAILY RT MARKER	C8-C40	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
4	Std Check	QC #TEPH00-205 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
5	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
6	Std Check	QC #TEPH00-208 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
7	Std Check	QC #TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
8	Sample	284-MB - not used	DM3KJ1AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
9	Sample	284-23	DM1AX1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
10	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
11	Std Check	QC #TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
12	Sample	292-04 10X	DM1DV1AA	ICAL 9/27/	1.000	1.000	1.000	10.000	5.000	20.000	0.000	100.000
13	Sample	292-05	DM1D81AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
14	Sample	292-06	DM1EA1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
15	Sample	292-07	DM1EC1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
16	Sample	292-08	DM1ED1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	292-09	DM1EE1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	292-10	DM1EF1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
19	Sample	292-11	DM1EG1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
20	Sample	292-12	DM1EJ1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
21	Sample	292-14	DM1EM1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
22	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
23	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
24	Sample	292-15	DM1EN1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
25	Sample	292-16	DM1EP1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
26	Sample	292-17	DM1EQ1AE	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
27	Sample	292-18	DM1ER1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
28	Sample	292-19	DM1ET1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
29	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
30	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
31	Sample	324-MB	DM6E81AAB	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
32	Sample	324-LCS	DM6E81ACC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
33	Sample	324-01	DM3JG1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
34	Sample	324-01 MS	DM3JG1C7S	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
35	Sample	324-01 MSD	DM3JG1C8D	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
36	Sample	324-02	DM3JM1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
37	Sample	324-03	DM3JR1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
38	Sample	324-04	DM3JV1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
39	Sample	324-05	DM3JX1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
40	Sample	324-06	DM3J01AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
41	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
42	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
43	Sample	324-07	DM3J21AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
44	Sample	324-08	DM3J31AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
45	Sample	324-09	DM3J41AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
46	Sample	324-10	DM3J51AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
47	Sample	324-11	DM3J71AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
48	Sample	324-16	DM3KE1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
49	Sample	324-20	DM3KK1AA	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
50	Sample	324-21	DM3KM1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
51	Sample	324-22	DM3KN1AC	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	324-23	DM3KQ1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
[illegible]	Sample	324-25	DM3KV1AD	ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
54	Std Check	#TEPH00-178 DIE	1000 PPM	ICAL 9/27/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
55	Std Check	#TEPH00-203 RT	30 PPM	ICAL 9/30/	1.000	1.000	1.000	1.000	1.000	1.000	0.000	100.000
56	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
57	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
58	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
59	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000
60	Sample			ICAL 9/27/	1.000	1.000	1.000	1.000	5.000	20.000	0.000	100.000

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/26/00 12:29 PM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/26/00 11:59 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

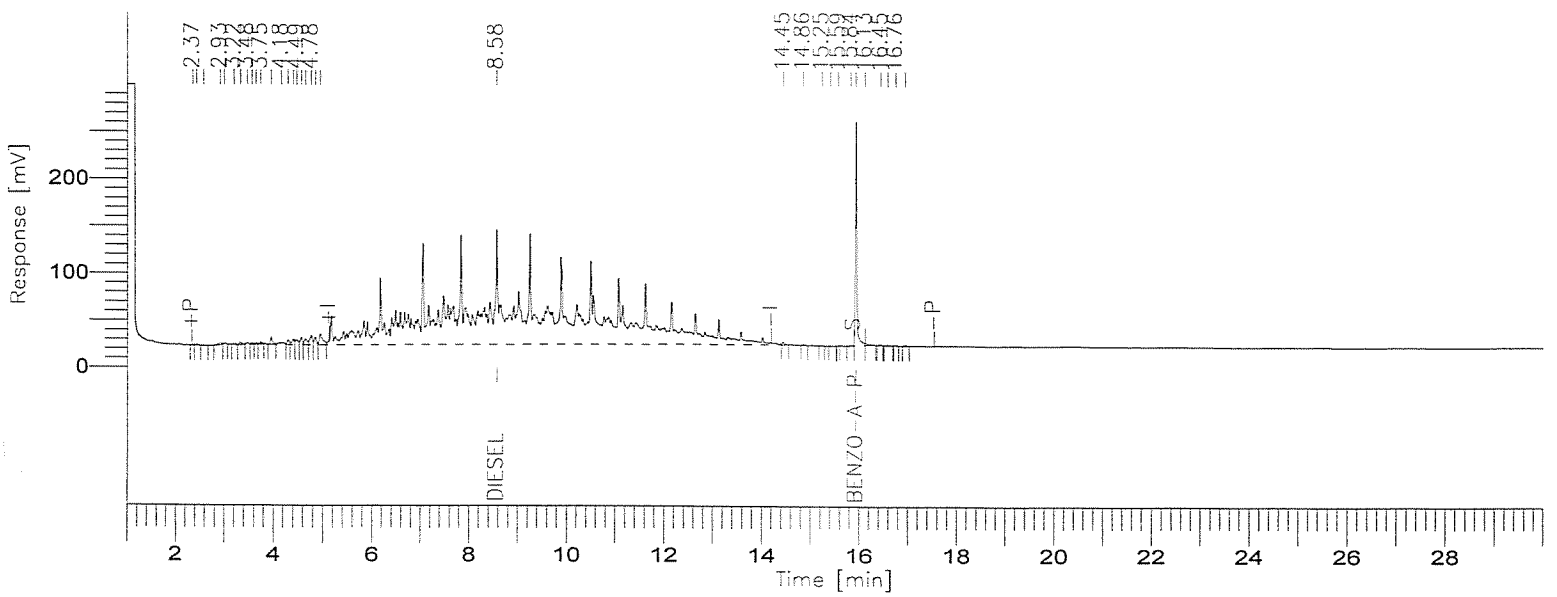
Raw Data File : C:\TC4\DATA_3\O26_005.RAW
Result File : C:\TC4\DATA_3\O26_005.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O26_005.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O26.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 34



000300

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.368		1456	0.0015	------	----------
2.444		4526	0.0045	------	----------
2.588		826	0.0008	------	----------
2.931		12603	0.0126	------	----------
3.020		5404	0.0054	------	----------
3.215		3336	0.0033	------	----------
3.344		9434	0.0094	------	----------
3.481		6959	0.0070	------	----------
3.578		5443	0.0054	------	----------
3.661		4238	0.0042	------	----------
3.753		7394	0.0074	------	----------
3.969		25602	0.0256	------	----------
4.178		18690	0.0187	------	----------
4.315		16307	0.0163	------	----------
4.424		22164	0.0222	------	----------
4.488		20208	0.0202	------	----------
4.581		24342	0.0243	------	----------
4.667		24922	0.0249	------	----------
4.781		38304	0.0383	------	----------
4.863		27252	0.0273	------	----------
4.961		56690	0.0567	------	----------
8.583	DIESEL	12104598	1239.2640	1000.0	23.93
14.452		7954	0.0080	------	----------
14.859		2351	0.0024	------	----------
15.249		684	0.0007	------	----------
15.416		417	0.0004	------	----------
15.585		782	0.0008	------	----------
15.837		2179	0.0022	------	----------
15.946	BENZO-A-PYRENE	549287	61.7121	50.0	23.42
16.133		9289	0.0093	------	----------
16.452		2334	0.0023	------	----------
16.597		1998	0.0020	------	----------
16.761		1710	0.0017	------	----------
16.953		2255	0.0023	------	----------
		13021942	1301.3441		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

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S.L - LOS ANGELES

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Report stored in ASCII file: C:\TC4\DATA_3\O26_005.TXO

Software Version: 4.1<2F12>
Sample Name : #TEPH00-203 RT MARKER Time : 10/26/00 01:48 PM
Sample Number: 30 PPM Study : ICAL 9/30/00
C rator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/26/00 01:18 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

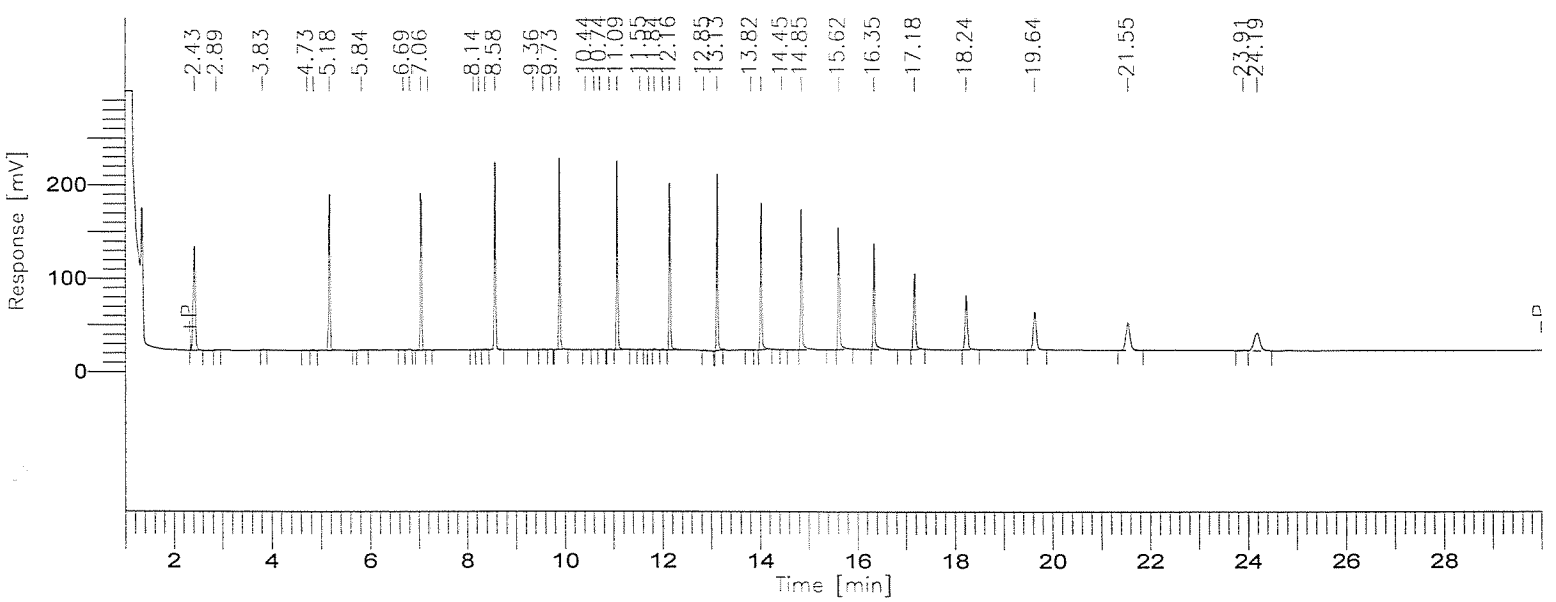
Raw Data File : C:\TC4\DATA_3\O26_007.RAW
Result File : C:\TC4\DATA_3\O26_007.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O26_007.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O26.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
ltiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 44



000903

BOE-C6-0165518

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	357483	32.7154	30.0	9.05
6.075	C10-C11	379989	32.4247	30.0	8.08
7.769	C12-C13	379456	30.5067	30.0	1.69
9.181	C14-C15	382723	31.3177	30.0	4.39
10.441	C16-C17	385851	31.6931	30.0	5.64
11.579	C18-C19	389506	32.0180	30.0	6.73
13.051	C20-C23	743244	31.3066	30.0	4.36
14.784	C24-C27	689813	31.7788	30.0	5.93
16.357	C28-C31	566590	31.2708	30.0	4.24
18.348	C32-C35	429568	32.2446	30.0	7.48
21.815	C36-C39	370350	36.2641	30.0	20.88
27.034	C40+	159847	37.6647	30.0	25.55
		5234420	391.2053		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.431		348865	0.3489	------	----------
2.889		3213	0.0032	------	----------
3.830		2509	0.0025	------	----------
4.732		710	0.0007	------	----------
4.856		2186	0.0022	------	----------
		357483	0.3575		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.178		373339	0.3733	------	----------
5.835		2314	0.0023	------	----------
6.687		948	0.0009	------	----------
6.816		3388	0.0034	------	----------
		379989	0.3800		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
7.057		373122	0.3731	------	----------
7.202		1468	0.0015	------	----------
8.144		1247	0.0012	------	----------
8.251		811	0.0008	------	----------
8.379		2808	0.0028	------	----------
		379456	0.3795		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.581		379052	0.3791	------	----------
9.360		1052	0.0011	------	----------
9.566		1295	0.0013	------	----------
9.726		1324	0.0013	------	----------
		382723	0.3827		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.902		381322	0.3813	------	----------
10.436		916	0.0009	------	----------
10.613		830	0.0008	------	----------
10.735		1364	0.0014	------	----------
10.930		1418	0.0014	------	----------
		385851	0.3859		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.085		381188	0.3812	------	----------
11.549		993	0.0010	------	----------
11.737		609	0.0006	------	----------
11.843		4426	0.0044	------	----------
12.017		2290	0.0023	------	----------

	389506	0.3895

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.155		377814	0.3778	------	----------
12.365		2408	0.0024	------	----------
12.852		2000	0.0020	------	----------
13.132		359990	0.3600	------	----------
13.819		1032	0.0010	------	----------
		743244	0.7432		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.029		349525	0.3495	------	----------
14.454		688	0.0007	------	----------
1.853		339600	0.3396	------	----------
		689813	0.6898		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.620		297670	0.2977	------	----------
16.349		268920	0.2689	------	----------
		566590	0.5666		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.179		225428	0.2254	------	----------
8.237		204140	0.2041	------	----------
		429568	0.4296		

Group Report For : C36-C39 000906

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
[illegible].641		186663	0.1867	------	----------
21.551		179534	0.1795	------	----------
23.905		4153	0.0042	------	----------
		370350	0.3704		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.186		159847	0.1598	------	----------
		159847	0.1598		

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O26_007.TX0

Software Version: 4.1<2F12>
Sample Name : #TEPH00-178 DIESEL STD Time : 10/26/00 03:45 PM
Sample Number: 1000 PPM Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/26/00 03:16 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

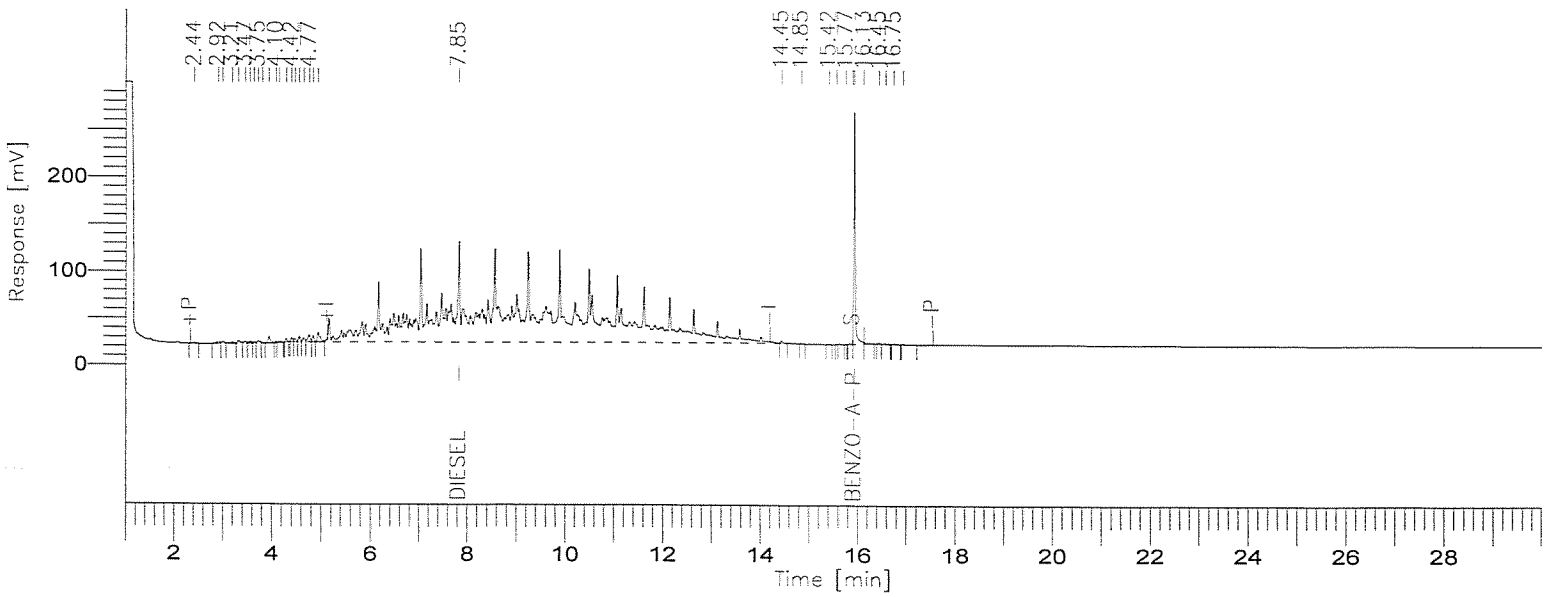
Raw Data File : C:\TC4\DATA_3\O26_010.RAW
Result File : C:\TC4\DATA_3\O26_010.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O26_010.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O26.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 34



000903

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.435		5921	0.0059	------	----------
2.920		12537	0.0125	------	----------
3.011		8862	0.0089	------	----------
3.205		10136	0.0101	------	----------
3.335		11700	0.0117	------	----------
3.471		9624	0.0096	------	----------
3.568		8322	0.0083	------	----------
3.651		6060	0.0061	------	----------
3.745		10281	0.0103	------	----------
3.830		2856	0.0029	------	----------
3.962		23156	0.0232	------	----------
4.103		3213	0.0032	------	----------
4.166		8084	0.0081	------	----------
4.305		8942	0.0089	------	----------
4.417		10104	0.0101	------	----------
4.482		10212	0.0102	------	----------
4.572		14525	0.0145	------	----------
4.660		13069	0.0131	------	----------
4.772		28802	0.0288	------	----------
4.853		16245	0.0162	------	----------
4.952		40221	0.0402	------	----------
7.847	DIESEL	11205134	1147.1772	1000.0	14.72
14.447		7407	0.0074	------	----------
14.850		2111	0.0021	------	----------
15.416		551	0.0006	------	----------
15.572		701	0.0007	------	----------
15.768		187	0.0002	------	----------
15.900		5797	0.0058	------	----------
15.935	BENZO-A-PYRENE	516410	58.0184	50.0	16.04
16.133		8076	0.0081	------	----------
16.446		2029	0.0020	------	----------
16.585		1972	0.0020	------	----------
16.750		1865	0.0019	------	----------
16.942		1480	0.0015	------	----------
		12016590	1205.4907		

Missing Component Report

Component	Expected Retention (Calibration File)

Software Version: 4.1<2F12>
Sample Name : #TEPH00-203 RT MARKER Time : 10/26/00 04:24 PM
Sample Number: 30 PPM Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/26/00 03:55 PM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

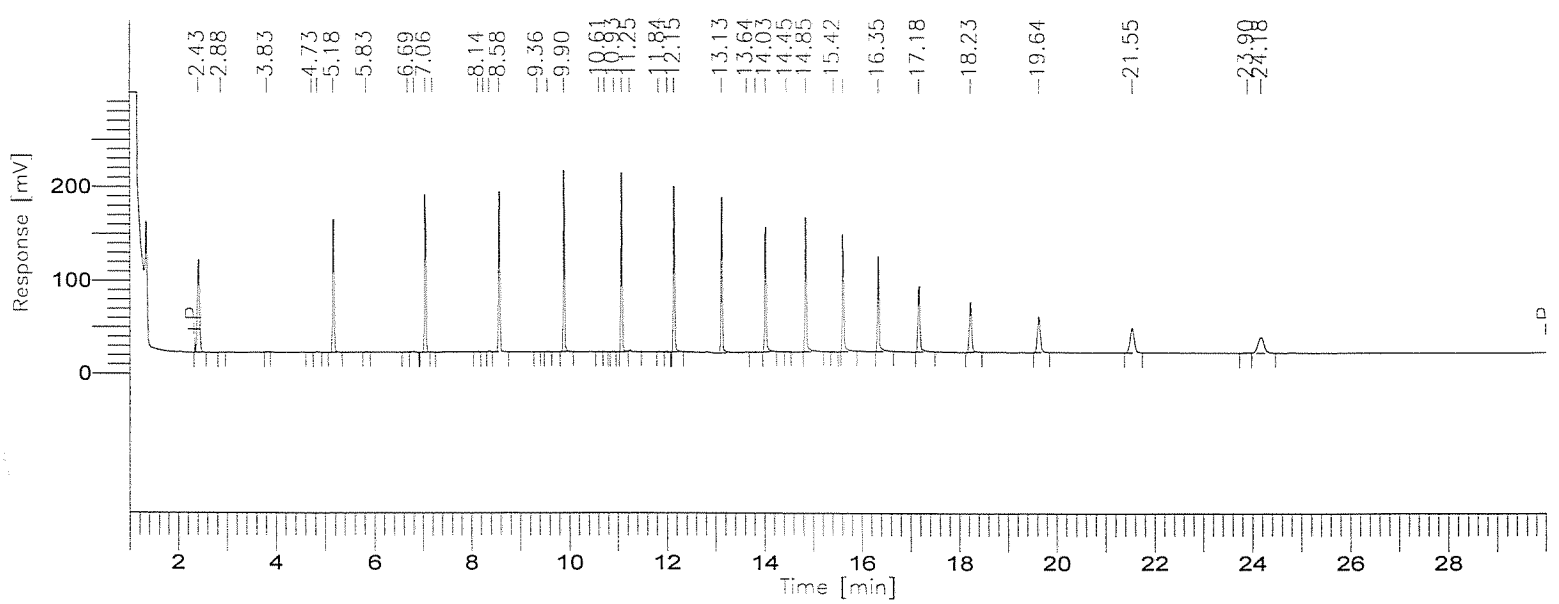
Raw Data File : C:\TC4\DATA_3\O26_011.RAW
Result File : C:\TC4\DATA_3\O26_011.RST
Inst Method : C:\TC4\DATA_3\METHODS\C8-C40A from C:\TC4\DATA_3\O26_011.RST
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A
Sequence File : C:\TC4\DATA_3\O26.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 1.0000 Divisor : 1.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 41



000310

8015B(TEPH)

GC03/FID:RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
3.749	C8-C9	332738	30.4508	30.0	1.50
6.075	C10-C11	350521	29.9102	30.0	-0.30
7.769	C12-C13	350119	28.1481	30.0	-6.17
9.181	C14-C15	351155	28.7345	30.0	-4.22
10.441	C16-C17	353740	29.0555	30.0	-3.15
11.579	C18-C19	361824	29.7425	30.0	-0.86
13.051	C20-C23	703131	29.6170	30.0	-1.28
14.784	C24-C27	631837	29.1080	30.0	-2.97
16.357	C28-C31	515819	28.4687	30.0	-5.10
18.348	C32-C35	400608	30.0707	30.0	0.24
21.815	C36-C39	335611	32.8626	30.0	9.54
27.034	C40+	145540	34.2933	30.0	14.31
		4832642	360.4621		

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
2.429		326104	0.3261	------	----------
2.877		2126	0.0021	------	----------
3.825		1835	0.0018	------	----------
4.732		665	0.0007	------	----------
4.853		2007	0.0020	------	----------
		332738	0.3327		

Group Report For : C10-C11

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
5.175		345040	0.3450	------	----------
5.834		1481	0.0015	------	----------
6.686		910	0.0009	------	----------
6.815		3089	0.0031	------	----------
		350521	0.3505		

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
7.055		344982	0.3450	------	----------
7.202		972	0.0010	------	----------
8.142		982	0.0010	------	----------
8.251		727	0.0007	------	----------
8.374		2456	0.0025	------	----------
		350119	0.3501		

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
8.579		349523	0.3495	------	----------
9.357		703	0.0007	------	----------
9.564		928	0.0009	------	----------
		351155	0.3512		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
9.900		351704	0.3517	------	----------
10.614		434	0.0004	------	----------
10.734		457	0.0005	------	----------
10.928		1144	0.0011	------	----------
		353740	0.3537		

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
11.083		350911	0.3509	------	----------
11.251		5924	0.0059	------	----------
11.840		2935	0.0029	------	----------
12.016		2053	0.0021	------	----------
		361824	0.3618		

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
12.152		346693	0.3467	------	----------
13.131		344393	0.3444	------	----------
13.638		7404	0.0074	------	----------
13.818		4641	0.0046	------	----------
		703131	0.7031		

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
14.026		322196	0.3222	------	----------
14.452		482	0.0005	------	----------
14.852		308605	0.3086	------	----------
15.416		554	0.0006	------	----------
		631837	0.6318		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
15.619		274273	0.2743	------	----------
16.347		241546	0.2415	------	----------
		515819	0.5158		

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
17.176		213833	0.2138	------	----------
18.234		186775	0.1868	------	----------
		400608	0.4006		

Group Report For : C36-C39

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D

19.637	170332	0.1703	------	----------
[illegible].546	161355	0.1614	------	----------
[illegible].899	3924	0.0039	------	----------
	335611	0.3356		

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% D
24.179		145540	0.1455	------	----------
		145540	0.1455		

Missing Component Report

Component	Expected Retention (Calibration File)
All components were found	

[illegible] - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O26_011.TX0

Lot/Sample: E0J120000-487B INTRA-LAB BLANK TICs.....: N Report Results: Y
WO#.....: DM3K3-1-AA Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/25/00
Inject Time..: 2:35 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_072A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 15:08:15
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286487
MS Run Number:
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.498	83.984		

Software Version: 4.1<2F12>
Sample Name : 284-MB
Sample Number: DM3K31AAB
Operator :

Time : 10/25/00 04:16 PM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 02:35 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_072A.RAW
Result File : C:\TC4\DATA_01\O23_072A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_072A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

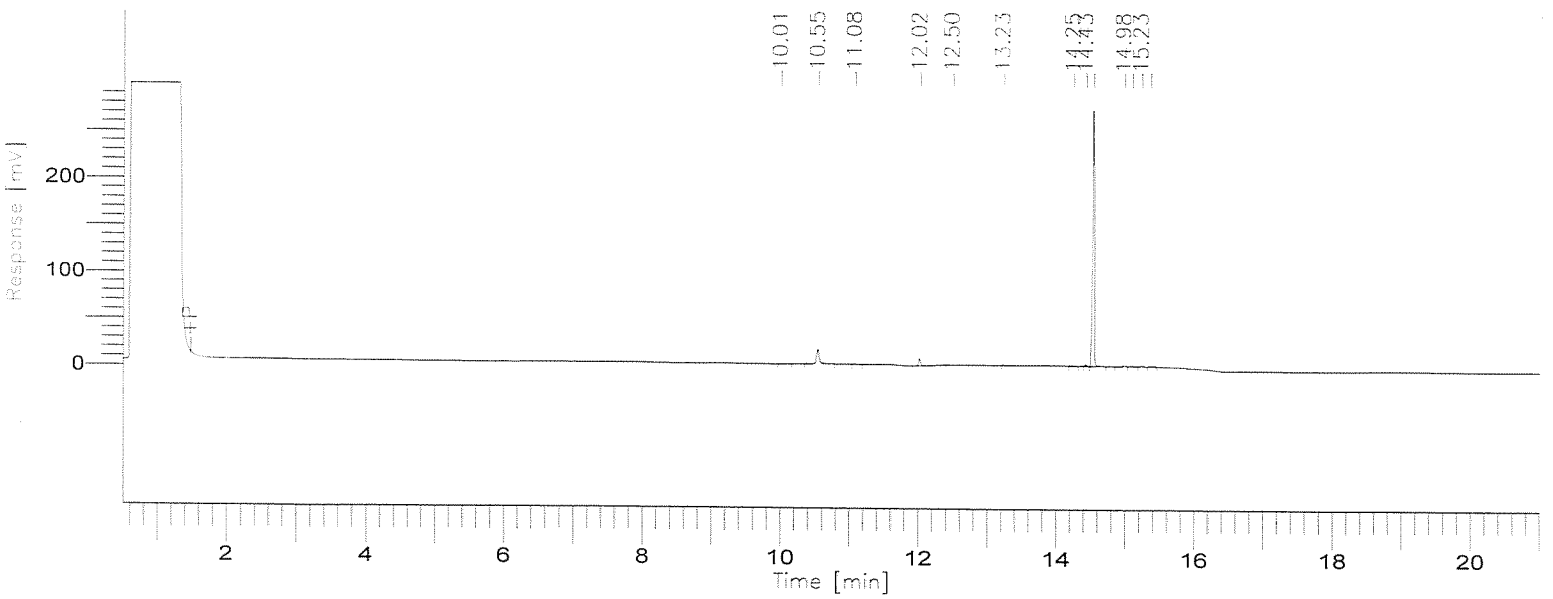
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 13



000916

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	0	0.000	------	10.0	
9.69	C16-C17	800	0.018	------	10.0	
10.72	C18-C19	43783	0.911	------	10.0	
12.02	C20-C23	26947	0.310	------	10.0	
13.53	C24-C27	1908	0.023	------	10.0	
14.82	C28-C31	543810	6.333	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	0	0.000	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		617248	7.596			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

No peaks available to report

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.01		800	0.000	------	10.0	
		800	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		42085	0.011	------	10.0	
11.08		1698	0.000	------	10.0	
		43783	0.011			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.02		18772	0.005	------	10.0	
12.50		8175	0.002	------	10.0	
		26947	0.007			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
13.23		1908	0.000	------	10.0	
		1908	0.000			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2147	0.001	------	10.0	
14.43		3050	0.001	------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.54		529210	0.132	------	10.0	
14.98		2547	0.001	------	10.0	
15.10		2633	0.001	------	10.0	
15.23		2583	0.001	------	10.0	
15.36		1640	0.000	------	10.0	
		543810	0.136			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_072A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-MB
Sample Number: DM3K31AAB
Operator :

Time : 10/25/00 02:55 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 02:35 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_072.RAW
Result File : C:\TC4\DATA_01\O23_072.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_072.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

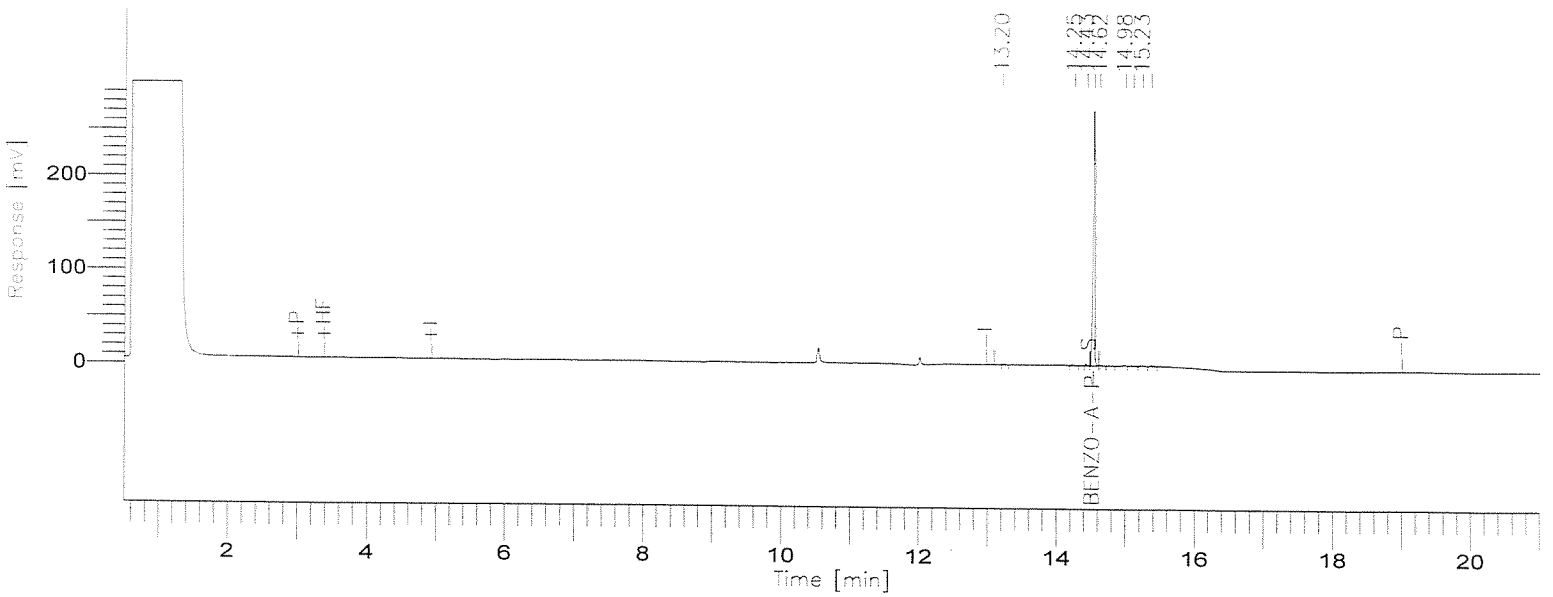
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 9



000920

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	528505	10.498	84.0	10.0	
		528505	10.498			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_072.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:08:45

Lot/Sample: E0J120000-487C INTRA-LAB CHECK TICs.....: N Report Results: Y
WO#.....: DM3K3-1-AC Est. Results: Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/25/00
Inject Time..: 3:06 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_073
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/12 19:00:17
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286487
MS Run Number:
Prep Time....: 14:00-14:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1564-2DCS/5000PPM/1M
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
04980	Diesel Range Organics			250	NA	0	0		NA
05013	Motor Oil Range Organic			250	NA	0	0		NA
03052	TPH (as Diesel)			250	212.0806	84.83	0		
03053	TPH (as Motor Oil)			250	NA	0	0		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.192	81.5432		NA

Software Version: 4.1<2F12>
Sample Name : 284-LCS
Sample Number: DM3K31ACC
Operator :

Time : 10/25/00 03:25 AM
Study : ICAL 10/19/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 03:06 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_073.RAW
Result File : C:\TC4\DATA_01\O23_073.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_073.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

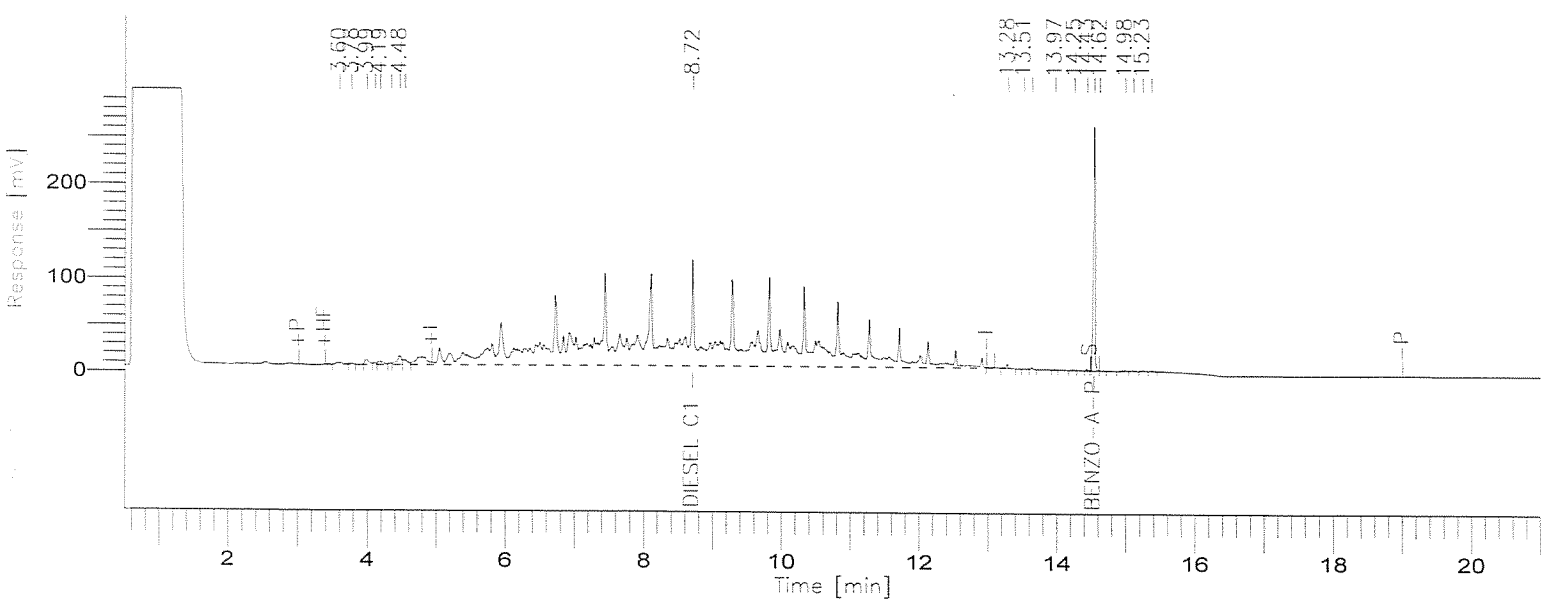
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 21



8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY
8.718	DIESEL C10-C24	8657130.00	212.0806	250.00	84.83
14.538	BENZO-A-PYRENE	513120.57	10.1929	12.50	81.54
		9170250.57	222.2735	262.50	166.38

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_073.TX0

Lot/Sample: E0J110284-025 C-2-137-1 TICs.....: N Report Results: Y
WO#.....: DM1A3-1-AD Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/25/00
Inject Time..: 3:36 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_074A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 15:07:30
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286487
MS Run Number: 0286254
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	9.909	79.272		

Software Version: 4.1<2F12>
Sample Name : 284-25 Time : 10/25/00 04:16 PM
Sample Number: DM1A31AD Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 03:36 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

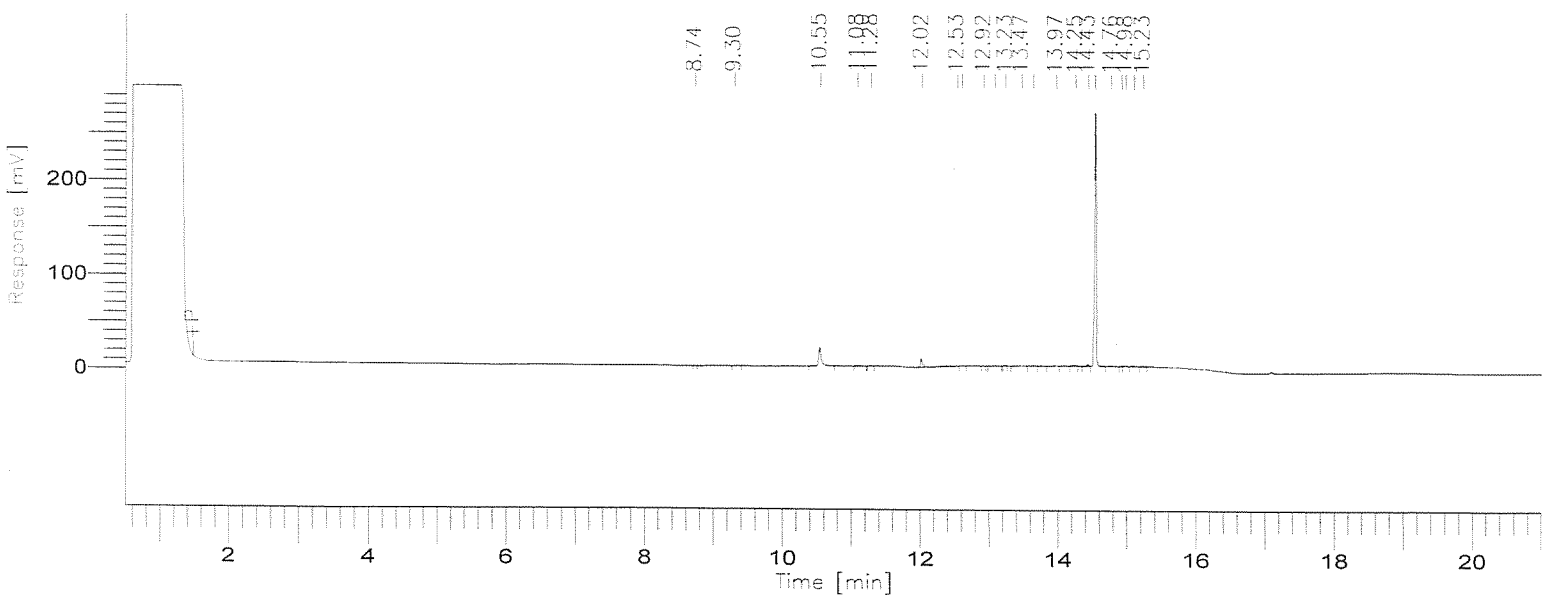
Raw Data File : C:\TC4\DATA_01\O23_074A.RAW
Result File : C:\TC4\DATA_01\O23_074A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_074A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 22



000926

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	474	0.010	------	10.0	
9.69	C16-C17	569	0.013	------	10.0	
10.72	C18-C19	54894	1.143	------	10.0	
12.02	C20-C23	34587	0.398	------	10.0	
13.53	C24-C27	8180	0.097	------	10.0	
14.82	C28-C31	517103	6.022	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	0	0.000	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		615808	7.683			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

8.73		474	0.000	------	10.0
		474	0.000		

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.30		569	0.000	------	10.0	
		569	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		52174	0.013	------	10.0	
11.08		2720	0.001	------	10.0	
		54894	0.014			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		748	0.000	------	10.0	
12.02		21179	0.005	------	10.0	
12.53		11479	0.003	------	10.0	
12.60		1182	0.000	------	10.0	
		34587	0.009			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.92		391	9.775e-05	------	10.0	
.08		977	0.000	------	10.0	
13.23		1593	0.000	------	10.0	
13.47		1971	0.000	------	10.0	
13.64		1525	0.000	------	10.0	
13.97		1724	0.000	------	10.0	

8180	0.002	

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2312	0.001	------	10.0	
14.43		3784	0.001	------	10.0	
14.54		500275	0.125	------	10.0	
14.76		2557	0.001	------	10.0	
14.92		658	0.000	------	10.0	
14.98		2634	0.001	------	10.0	
15.10		2313	0.001	------	10.0	
15.23		2570	0.001	------	10.0	
		517103	0.129			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_074A.TXO

Software Version: 4.1<2F12>
Sample Name : 284-25 Time : 10/25/00 03:56 AM
Sample Number: DM1A31AD Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 03:36 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

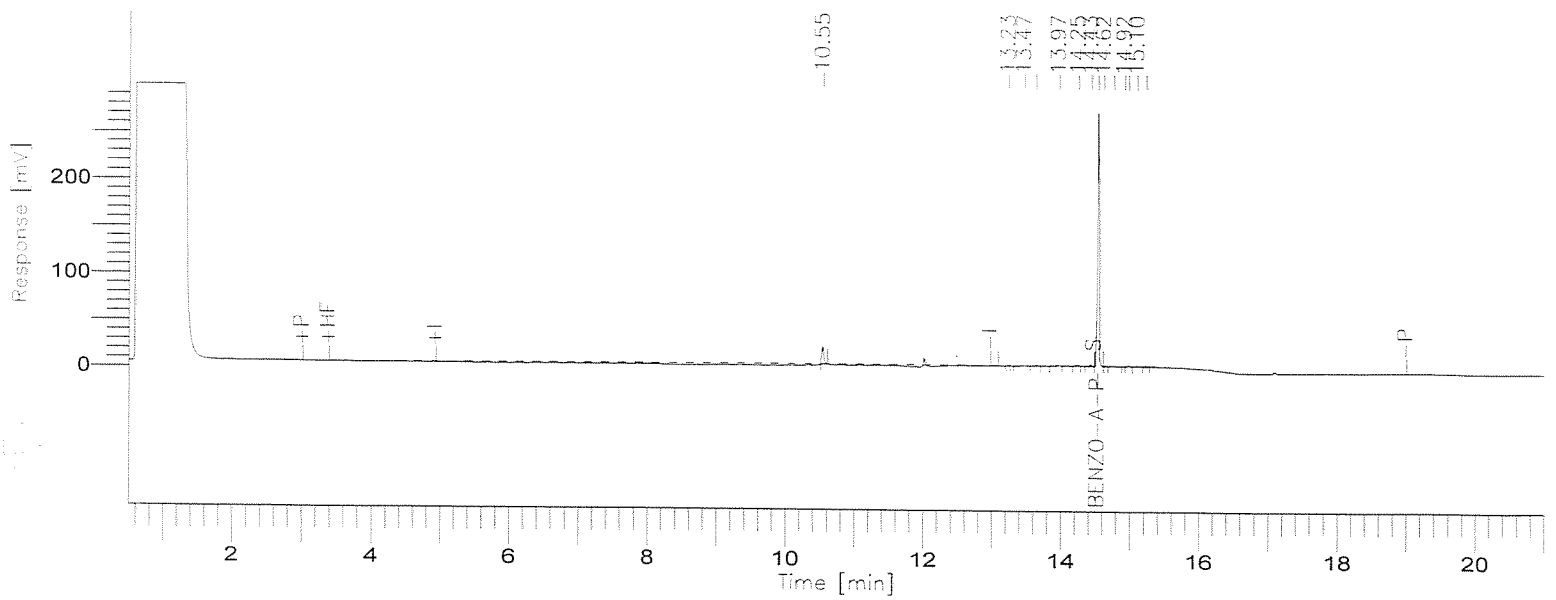
Raw Data File : C:\TC4\DATA_01\O23_074.RAW
Result File : C:\TC4\DATA_01\O23_074.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_074.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 14



000930

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	498823	9.909	79.3	10.0	
		498823	9.909			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_074.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:08:44

Lot/Sample: E0J110284-026 C-2-137-5
WO#.....: DM1A5-1-AD
SAC.....: XX A 0B KI 01
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

TICs.....: N
Est. Results: Y
Dry Weight..: N

Report Results: Y
Sig Fig Alg...: A
Upload.....: Y

Analysis Date: 10/25/00
Inject Time..: 4:06 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_075A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 15:07:38
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286487
MS Run Number: 0286254
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	9.086	72.688		

Software Version: 4.1<2F12>
Sample Name : 284-26
Sample Number: DM1A51AD
Operator :

Time : 10/25/00 04:16 PM
Study : ICAL 10/3/00

Instrument : GC-FID-01
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 04:06 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_01\O23_075A.RAW
Result File : C:\TC4\DATA_01\O23_075A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_075A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Multiplier : 5.0000

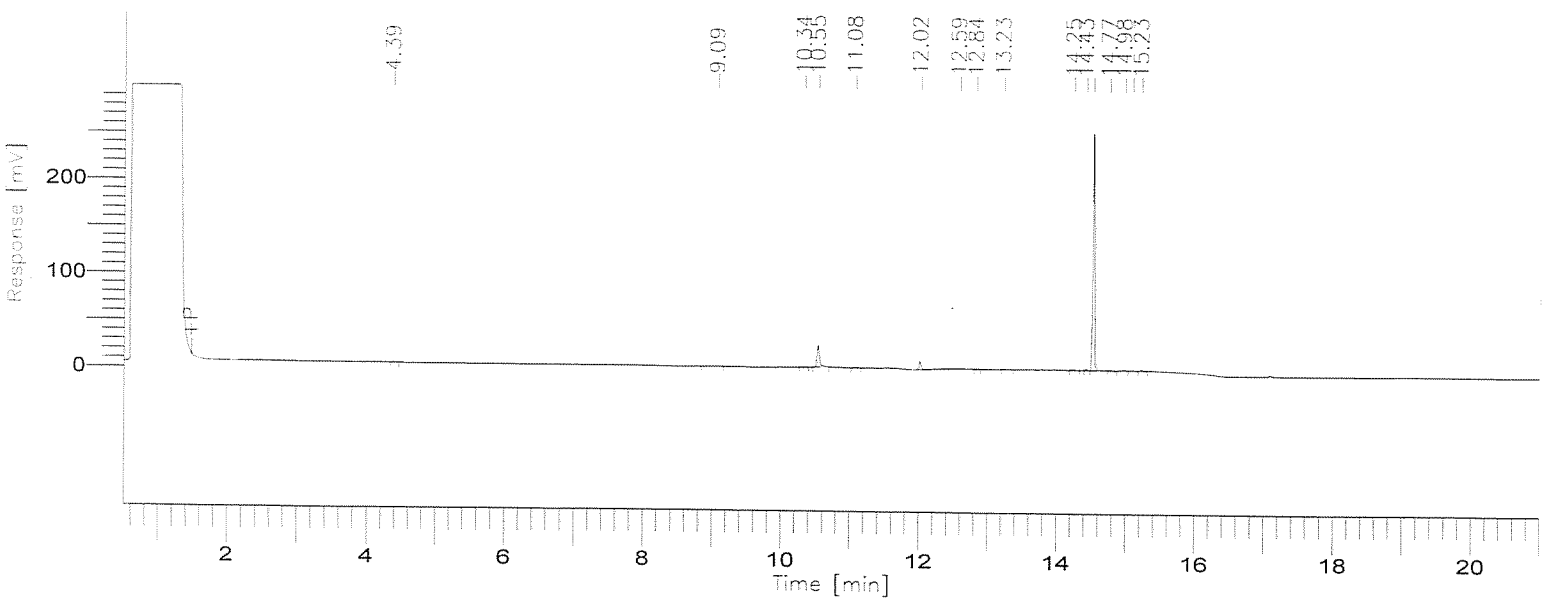
Area Threshold : 200
Divisor : 20.0000

Bunch Factor: 1
Addend : 0.0000

User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 16



000933

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	752	0.019	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	0	0.000	------	10.0	
8.59	C14-C15	1648	0.034	------	10.0	
9.69	C16-C17	0	0.000	------	10.0	
10.72	C18-C19	61898	1.289	------	10.0	
12.02	C20-C23	33126	0.381	------	10.0	
13.53	C24-C27	2326	0.028	------	10.0	
14.82	C28-C31	470530	5.479	------	10.0	
15.90	C32-C35	0	0.000	------	10.0	
16.99	C36-C39	0	0.000	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		570282	7.230			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
4.39		752	0.000	------	10.0	
		752	0.000			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

No peaks available to report

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.09		1648	0.000	------	10.0	
		1648	0.000			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.34		737	0.000	------	10.0	
10.55		59439	0.015	------	10.0	
11.08		1722	0.000	------	10.0	
		61898	0.015			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.02		21014	0.005	------	10.0	
12.59		12112	0.003	------	10.0	
		33126	0.008			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.84		711	0.000	------	10.0	
13.23		1615	0.000	------	10.0	
		2326	0.001			

Group Report For : C28-C31

Time	Component	Area	Final Results	% SURR	REP. LIMIT	FN

[min]	Name	[µV·s]	(ppm)	REC	mg/kg
25		1962	0.000	------	10.0
14.43		2625	0.001	------	10.0
14.54		458665	0.115	------	10.0
14.77		898	0.000	------	10.0
14.98		2410	0.001	------	10.0
15.10		2241	0.001	------	10.0
15.23		1730	0.000	------	10.0
		470530	0.118		

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_075A.TX0

Software Version: 4.1<2F12>
Sample Name : 284-26 Time : 10/25/00 04:26 AM
Sample Number: DM1A51AD Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 04:06 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

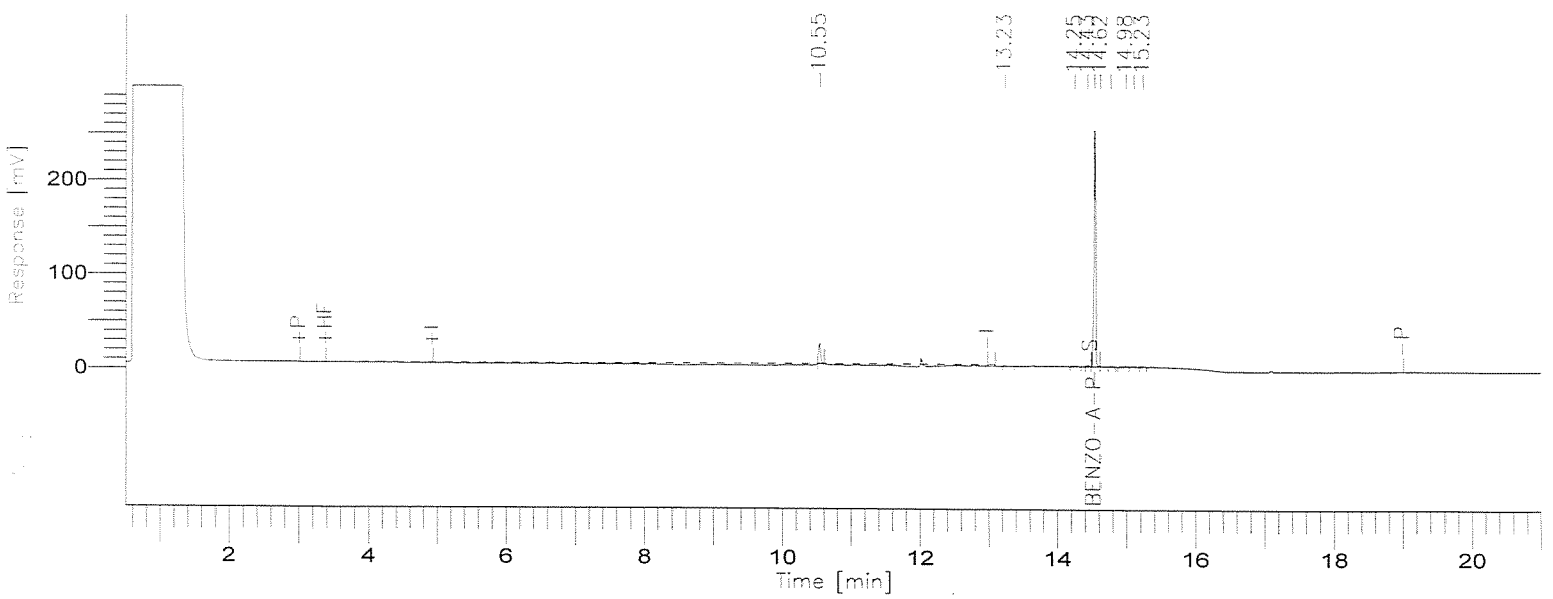
Raw Data File : C:\TC4\DATA_01\O23_075.RAW
Result File : C:\TC4\DATA_01\O23_075.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_075.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 10



000937

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	457388	9.086	72.7	10.0	
		457388	9.086			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_075.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:08:45

Lot/Sample: E0J110284-027 C-2-138-5 TICs.....: N Report Results: Y
WO#.....: DM1A6-1-AD Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/25/00
Inject Time..: 4:36 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_076A
Instr ID: G01 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 15:07:45
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286487
MS Run Number: 0286254
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	10.749	85.992		

Software Version: 4.1<2F12>
Sample Name : 284-27 Time : 10/25/00 04:16 PM
Sample Number: DM1A61AD Study : ICAL 10/3/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 04:36 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

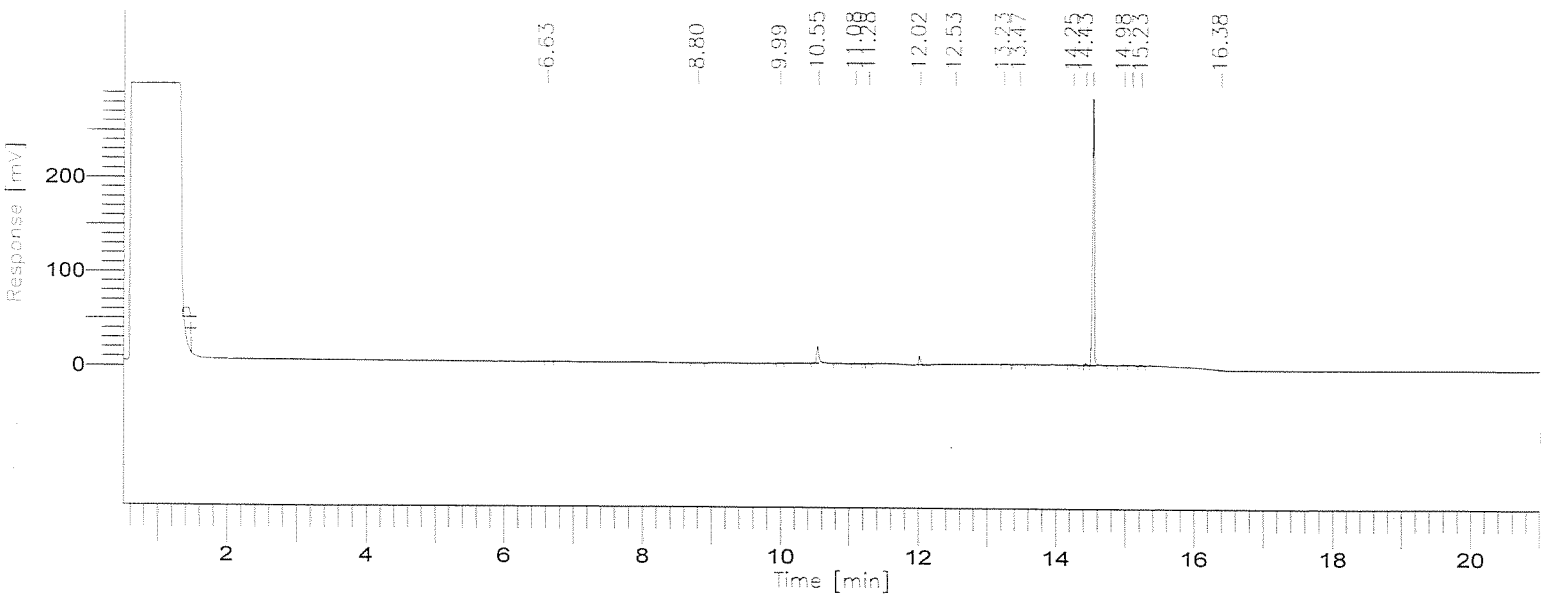
Raw Data File : C:\TC4\DATA_01\O23_076A.RAW
Result File : C:\TC4\DATA_01\O23_076A.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_076A.
Proc Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_01\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_01\O23A.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 17



000940

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.45	C8-C9	0	0.000	------	10.0	
5.77	C10-C11	0	0.000	------	10.0	
7.31	C12-C13	762	0.018	------	10.0	
8.59	C14-C15	608	0.013	------	10.0	
9.69	C16-C17	528	0.012	------	10.0	
10.72	C18-C19	50289	1.047	------	10.0	
12.02	C20-C23	28406	0.327	------	10.0	
13.53	C24-C27	2548	0.030	------	10.0	
14.82	C28-C31	554599	6.458	------	10.0	
15.90	C32-C35	1252	0.015	------	10.0	
16.99	C36-C39	0	0.000	------	10.0	
19.29	C40+	0	0.000	------	10.0	
		638993	7.920			

Group Report For : C8-C9

No peaks available to report

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
6.62		762	0.000	------	10.0	
		762	0.000			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].80		608	0.000	------	10.0	
		608	0.000			

Group Report For : C16-C17

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.99		528	0.000	------	10.0	
		528	0.000			

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
10.55		48276	0.012	------	10.0	
[illegible].08		2014	0.001	------	10.0	
		50289	0.013			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.28		648	0.000	------	10.0	
12.02		21354	0.005	------	10.0	
12.53		6404	0.002	------	10.0	
		28406	0.007			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
[illegible].23		2119	0.001	------	10.0	
13.47		430	0.000	------	10.0	
		2548	0.001			

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
14.25		2337	0.001	------	10.0	
14.43		3126	0.001	------	10.0	
14.54		541980	0.135	------	10.0	
14.98		2646	0.001	------	10.0	
15.10		2370	0.001	------	10.0	
15.23		2139	0.001	------	10.0	
		554599	0.139			

Group Report For : C32-C35

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
16.38		1252	0.000	------	10.0	
		1252	0.000			

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

No peaks available to report

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_076A.TXO

Software Version: 4.1<2F12>
Sample Name : 284-27 Time : 10/25/00 04:56 AM
Sample Number: DM1A61AD Study : ICAL 10/19/00
Operator :

Instrument : GC-FID-01 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2136574898 Data Acquisition Time: 10/25/00 04:36 AM
Delay Time : 0.50 min.
End Time : 21.00 min.
Sampling Rate : 1.0000 pts/sec

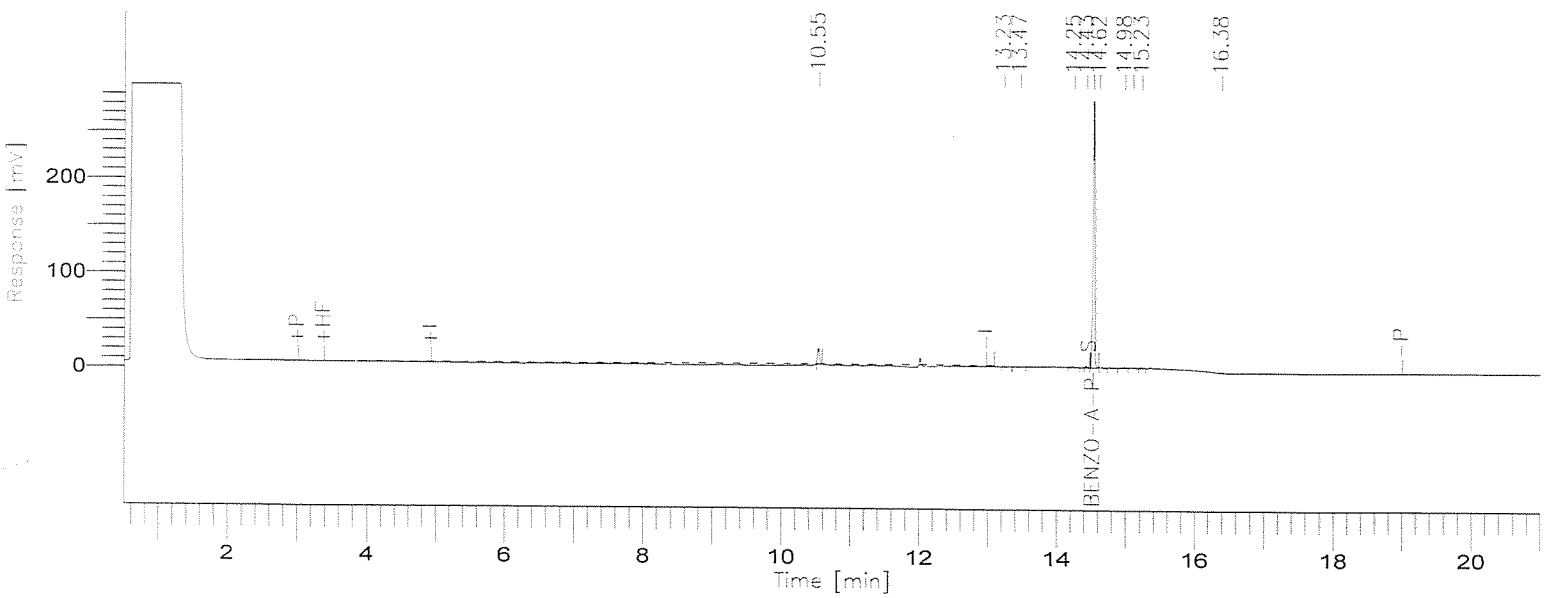
Raw Data File : C:\TC4\DATA_01\O23_076.RAW
Result File : C:\TC4\DATA_01\O23_076.RST
Inst Method : C:\TC4\DATA_01\METHODS\DBC10C24 from C:\TC4\DATA_01\O23_076.R
Proc Method : C:\TC4\DATA_01\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_01\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_01\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 11



000944

8015B(TEPH)

GC01/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
7.71	DIESEL C10-C24	0	0.000	------	10.0	
14.54	BENZO-A-PYRENE	541135	10.749	86.0	10.0	
		541135	10.749			

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_01\O23_076.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:08:45

Lot/Sample: E0J110292-002 DP0150_SSB024OA TICs.....: N Report Results: Y
WO#.....: DM1DQ-1-AC Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/25/00
Inject Time..: 6:34 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_069A
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/27 15:08:07
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286487
MS Run Number: 0286254
Prep Time....: 14:00-18:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....:
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Result	Limit	MDL	Data Qual	Report Qual
04490	Diesel Range Organics (	*		NA	10			NA
05120	C8-C9			ND	10	5		
05121	C10-C11			ND	10	5		
05122	C12-C13			ND	10	5		
05123	C14-C15			ND	10	5		
05124	C16-C17			ND	10	5		
05125	C18-C19			ND	10	5		
05201	C20-C23			ND	10	5		
05202	C24-C27			ND	10	5		
05203	C28-C31			ND	10	5		
05204	C32-C35			ND	10	5		
05205	C36-C39			ND	10	5		
05132	C40+			ND	10	5		
05136	Total Carbon Chain Rang			ND	10	5		
04980	Diesel Range Organics	*		NA	10	6		NA
05013	Motor Oil Range Organic	*		NA	10	5		NA
03052	TPH (as Diesel)	*		NA	10	5		NA
03053	TPH (as Motor Oil)	*		NA	10	5		NA

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual

(Continued on next page)

Lot/Sample: E0J110292-002 DP0150_SSB024OA TICs.....: N Report Results: Y
WO#.....: DM1DQ-1-AC Est. Results: Y Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: N Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.142	89.1384		

Software Version: 4.1<2F12>
Sample Name : 292-02 Time : 10/26/00 01:11 PM
Sample Number: DM1DQ1AC Study : ICAL 9/30/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/25/00 06:34 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

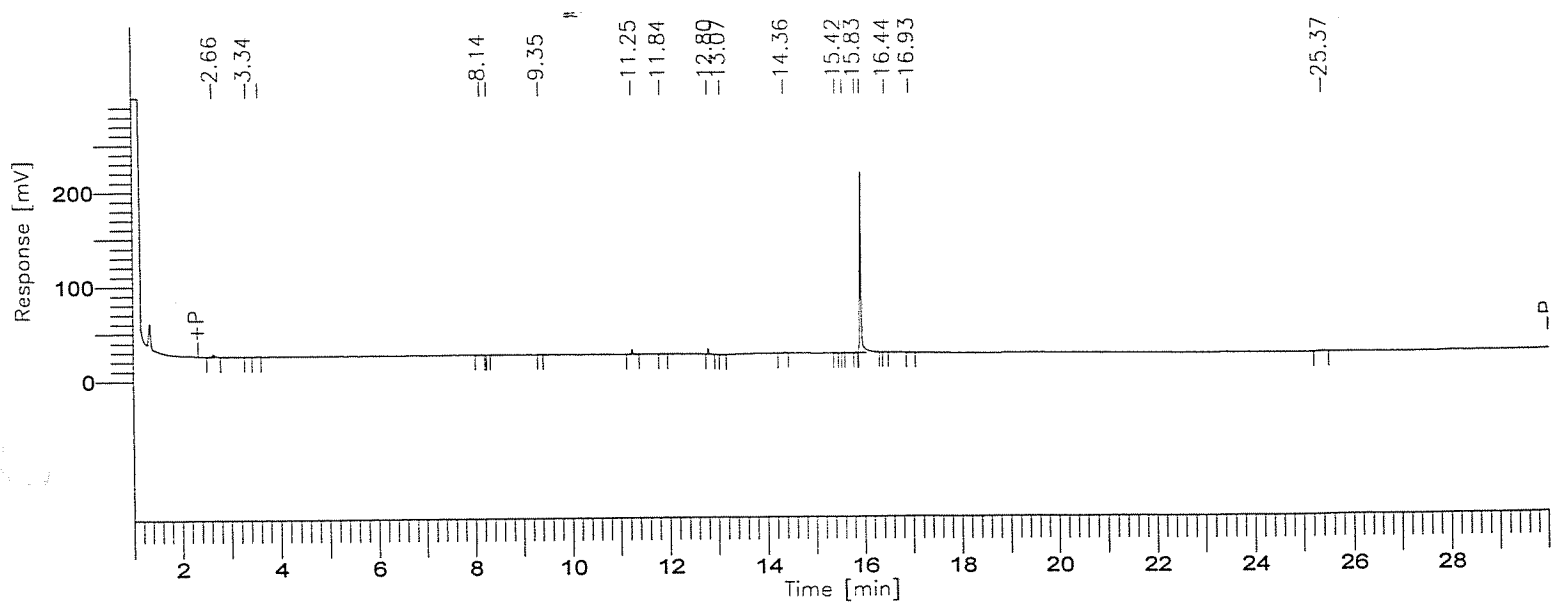
Raw Data File : C:\TC4\DATA_3\O23_069A.RAW
Result File : C:\TC4\DATA_3\O23_069A.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_069A.RS
Proc Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Calib Method : C:\TC4\DATA_3\METHODS\C8-C40A.mth
Sequence File : C:\TC4\DATA_3\O23A.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 18



000948

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.75	C8-C9	13468	0.3081	-------	10.0	
6.07	C10-C11	0	0.0000	-------	10.0	
7.77	C12-C13	1817	0.0365	-------	10.0	
9.18	C14-C15	964	0.0197	-------	10.0	
10.44	C16-C17	0	0.0000	-------	10.0	
11.58	C18-C19	10918	0.2244	-------	10.0	
13.05	C20-C23	12124	0.1277	-------	10.0	
14.78	C24-C27	3867	0.0445	-------	10.0	
16.36	C28-C31	415138	5.7280	-------	10.0	
18.35	C32-C35	0	0.0000	-------	10.0	
21.82	C36-C39	0	0.0000	-------	10.0	
27.03	C40+	3358	0.1978	-------	10.0	
		461655	6.6868			

Group Report For : C8-C9

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
2.66		10830	0.0027	-------	10.0	
3.34		1172	0.0003	-------	10.0	
3.59		1467	0.0004	-------	10.0	
		13468	0.0034			

Group Report For : C10-C11

No peaks available to report

Group Report For : C12-C13

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
8.14		1525	0.0004	-------	10.0	

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
28		292	0.0001	-------	10.0	
		1817	0.0005			

Group Report For : C14-C15

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
9.35		964	0.0002	-------	10.0	
		964	0.0002			

Group Report For : C16-C17

No peaks available to report

Group Report For : C18-C19

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
11.25		10061	0.0025	-------	10.0	
11.84		858	0.0002	-------	10.0	
		10918	0.0027			

Group Report For : C20-C23

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
12.80		11396	0.0028	-------	10.0	
13.07		729	0.0002	-------	10.0	
		12124	0.0030			

Group Report For : C24-C27

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN

14.35	2927	0.0007	-------	10.0
15.42	446	0.0001	-------	10.0
15.57	494	0.0001	-------	10.0
	3867	0.0010		

Group Report For : C28-C31

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
15.83		2232	0.0006	-------	10.0	
15.93		410453	0.1026	-------	10.0	
16.44		1524	0.0004	-------	10.0	
16.93		930	0.0002	-------	10.0	
		415138	0.1038			

Group Report For : C32-C35

No peaks available to report

Group Report For : C36-C39

No peaks available to report

Group Report For : C40+

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
25.37		3358	0.0008	-------	10.0	
		3358	0.0008			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

Report stored in ASCII file: C:\TC4\DATA_3\O23_069A.TX0

Software Version: 4.1<2F12>
Sample Name : 292-02 Time : 10/25/00 07:03 AM
Sample Number: DM1DQ1AC Study : ICAL 9/27/00
Operator :

Instrument : GC/FID-03 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 8293570026 Data Acquisition Time: 10/25/00 06:34 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

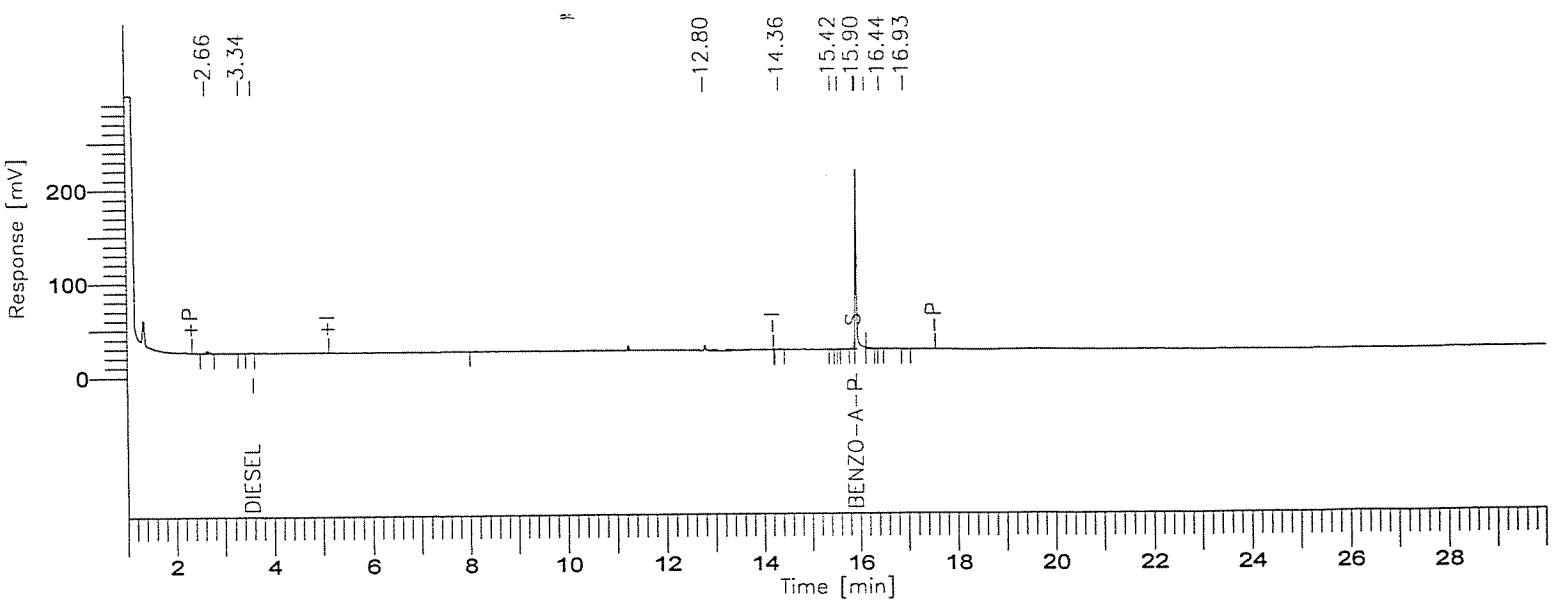
Raw Data File : C:\TC4\DATA_3\O23_069.RAW
Result File : C:\TC4\DATA_3\O23_069.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_069.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 12



000953

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	Final Results (ppm)	% SURR REC	REP. LIMIT mg/kg	FN
3.59	DIESEL	1467	0.0375	-------	10.0	
15.93	BENZO-A-PYRENE	396700	11.1423	89.14	10.0	
		398167	11.1798			

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_069.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:08:46

Lot/Sample: E0J110292-002S DP0150_SSB024OA TICs.....: N Report Results: Y
WO#.....: DM1DQ-1-A2 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/25/00
Inject Time..: 7:13 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_070
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/12 19:00:18
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286487
MS Run Number: 0286254
Prep Time....: 14:00-14:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1564-2DCS/5000PPM/1M
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
	Sample amount: NA								
04980	Diesel Range Organics			250	258.6443	103.4	9.43		
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	258.6443	103.4	9.43		
	Sample amount: NA								
03053	TPH (as Motor Oil)			250	NA	0	0		NA
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	11.861	94.8944		NA

Software Version: 4.1<2F12>
Sample Name : 292-02 MS
Sample Number: DM1DQ1A2S
Operator :

Time : 10/25/00 07:43 AM
Study : ICAL 9/27/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 10/25/00 07:13 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\DATA_3\O23_070.RAW
Result File : C:\TC4\DATA_3\O23_070.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_070.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

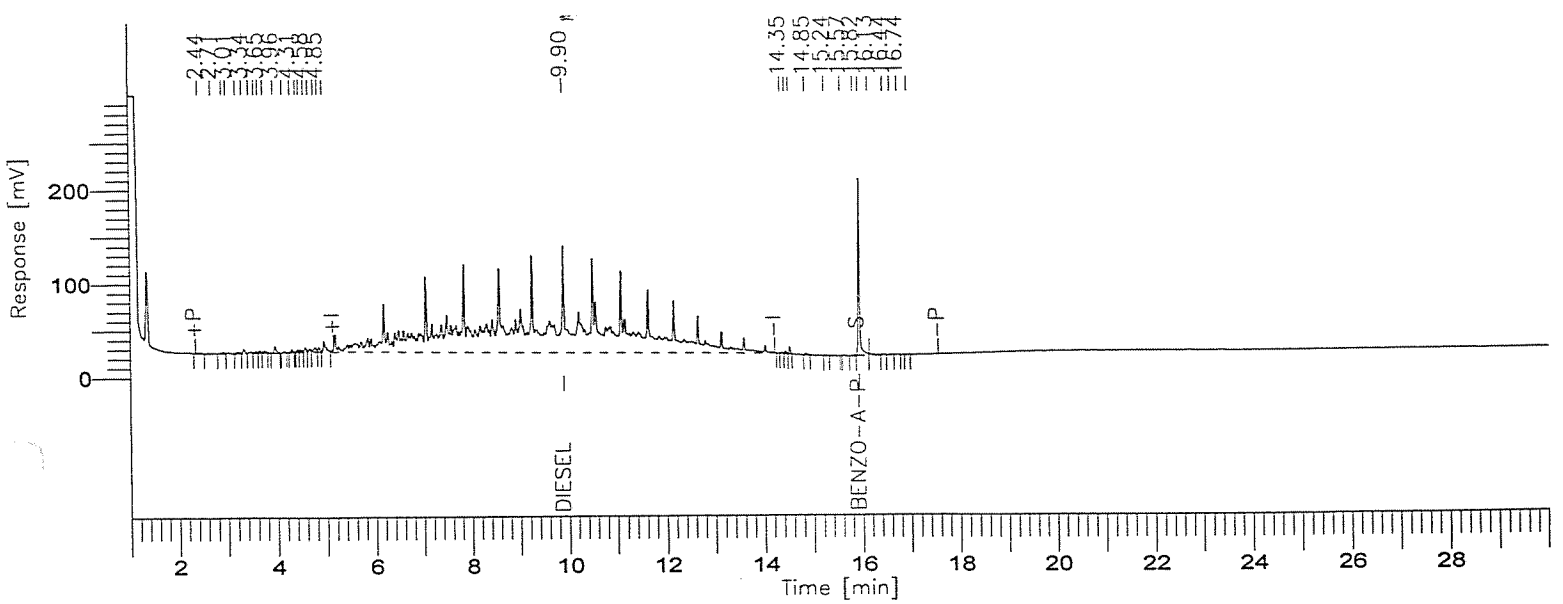
Sample Volume : 1.0000 uL
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00

Noise Threshold: 50
Area Threshold : 200
Bunch Factor: 1
Multiplier : 5.0000
Divisor : 20.0000
Addend : 0.0000
User1 : TPHDA
User2 :
User3 :
User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 34



000956

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.899	DIESEL	10105305	258.6443	250.0000	103.46	
15.930	BENZO-A-PYRENE	422319	11.8618	12.5000	94.89	
		10527624				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_070.TX0

Severn Trent Laboratories, Inc.
Data Review

Date 10/27/2000
Time 14:08:46

Lot/Sample: E0J110292-002D DP0150_SSB024OA TICs.....: N Report Results: Y
WO#.....: DM1DQ-1-A3 Est. Results: Sig Fig Alg...: A
SAC.....: XX A 0B KI 01 Dry Weight..: Upload.....: Y
Method....: SOLID / Hydrocarbons, Extractable Petroleum (8015B) / SW846 / 8015B

Analysis Date: 10/25/00
Inject Time..: 7:53 Inject Vol: 1.0 Units: uL
Analyst.....: 356074 Elvie Concepcion
Dil Factor: 1.00 Instr File: O23_071
Instr ID: G03 Column: RTX-1 ID: .53
Sampling date.....:10/11/00
Leach Date.....: 0/00/00
Leach Batch.....:
Buffer Type.....:
Leach Weight.....: .0
Leach Volume.....: 0 Units:
Entered by.....:BIDWELLL 0/10/12 19:00:18
Prep Comments.....:
Analysis Comments...:
Result Units.....:mg/kg

Prep Date....: 10/12/00
QC Batch.....: 0286487
MS Run Number: 0286254
Prep Time....: 14:00-14:00
Init Wgt/Vol.: 20 Units: g
Final Wgt/Vol: 5.00 Units: mL
pH Values.: I) .0 1) .0 2) .0
Extract Solv.: MECL2 Amt..: 8
Exchange Solv: Amt..:
Spike....: TEPH1564-2DCS/5000PPM/1M
Surrogate: TEPH1562-1SCS/250PPM/1ML

Total Solids.: .00

SYN#	Analyte	* SPK	Exc Code	Spike Amount	Measured Amount	%REC	%RPD	Data Qual	Report Qual
04490	Diesel Range Organics (			250	NA	0	0		NA
	Sample amount: NA								
04980	Diesel Range Organics			250	235.3517	94.14	9.43		
	Sample amount: NA								
05013	Motor Oil Range Organic			250	NA	0	0		NA
	Sample amount: NA								
03052	TPH (as Diesel)			250	235.3517	94.14	9.43		
	Sample amount: NA								
03053	TPH (as Motor Oil)			250	NA	0	0		NA
	Sample amount: NA								

SYN#	Surrogate Recovery	Exc Code	Spike Amount	Measured Amount	Percent Recovery	Data Qual	Report Qual
00211	Benzo(a)pyrene		12.5	12.827	102.616		NA

Software Version: 4.1<2F12>
Sample Name : 292-02 MSD
Sample Number: DM1DQ1A3D
Operator :

Time : 10/25/00 08:22 AM
Study : ICAL 9/27/00

Instrument : GC/FID-03
AutoSampler :
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 8293570026 Data Acquisition Time: 10/25/00 07:53 AM
Delay Time : 1.00 min.
End Time : 30.00 min.
Sampling Rate : 1.0000 pts/sec

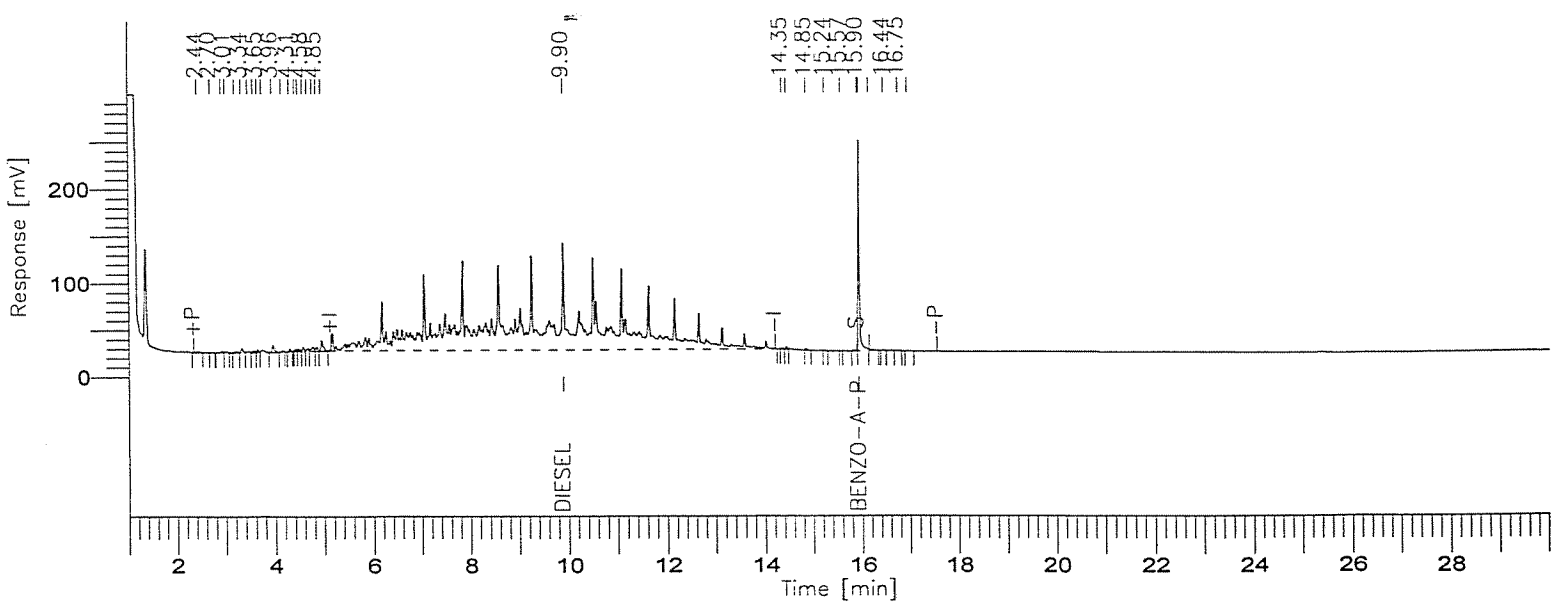
Raw Data File : C:\TC4\DATA_3\O23_071.RAW
Result File : C:\TC4\DATA_3\O23_071.RST
Inst Method : C:\TC4\DATA_3\METHODS\DBC10C24 from C:\TC4\DATA_3\O23_071.RST
Proc Method : C:\TC4\DATA_3\METHODS\DBC10C24
Calib Method : C:\TC4\DATA_3\METHODS\DBC10C24
Sequence File : C:\TC4\DATA_3\O23.SEQ

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

Noise Threshold: 50 Area Threshold : 200 Bunch Factor: 1
Multiplier : 5.0000 Divisor : 20.0000 Addend : 0.0000
User1 : TPHDA User2 :
User3 : User4 :
User5 :

Instrument Conditions:

Total number of peaks detected: 32



000959

8015B(TEPH)

GC03/FID: RTX-1

Time [min]	Component Name	Area [µV·s]	ACTUAL VALUE (PPM)	TRUE VALUE	% RECOVERY	FN
9.900	DIESEL	9195258	235.3517	250.0000	94.14	
15.933	BENZO-A-PYRENE	456683	12.8270	12.5000	102.62	
		9651941				

Missing Component Report

Component	Expected Retention (Calibration File)

All components were found

STL - LOS ANGELES

Report stored in ASCII file: C:\TC4\DATA_3\O23_071.TX0