PCB ANALYSIS
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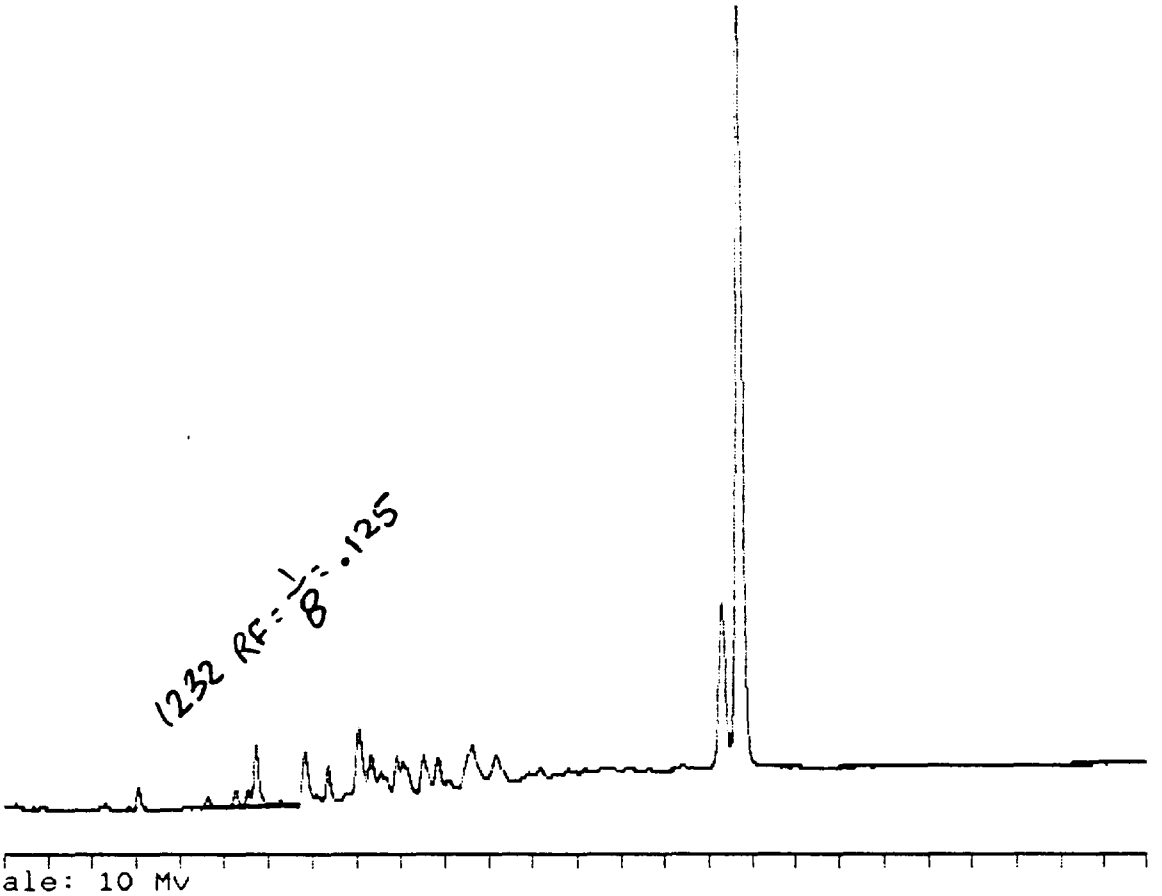
/bentoc



30 Min Scale: 10 Mv

32 Processed: 12-11-1991 12:00:48, segment 4, cycle 31

RAW DATA SAVED IN FILE D:RE12631.PTS

EXTERNAL STANDARD TABLE

12-11-1991 12:02:26 Version 5.1

Sample Name: CK32 Data File: D:RE12631

Date: 12-11-1991 13:51:49 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 31 Operator ML Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

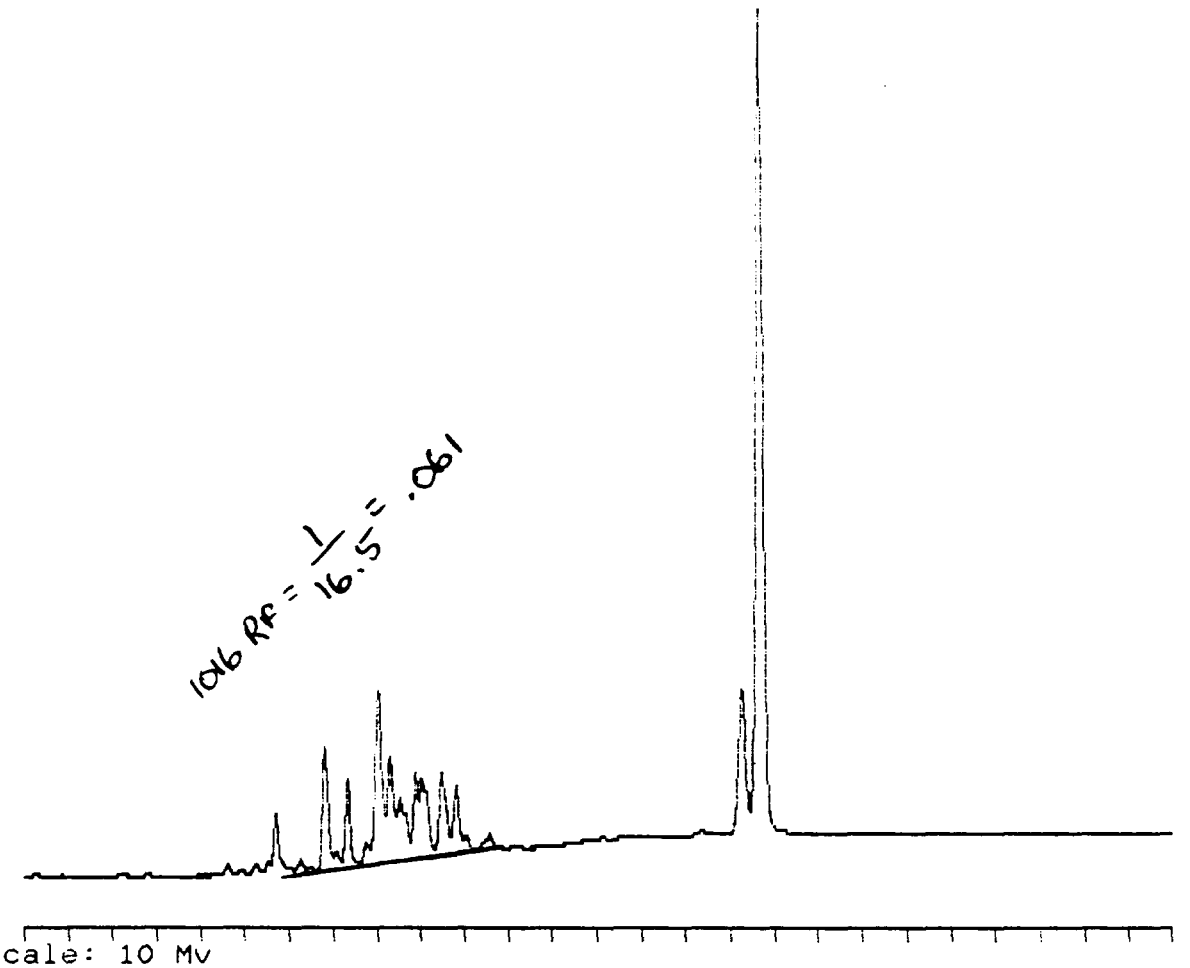
Starting Delay: 4.00 Ending retention time: 30.00

Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.053		0.0208	0.7584%	208	56	3.7	1			1.0000E-04
	9.720		0.3275	11.9248%	3275	521	6.3	1			1.0000E-04
3	10.837		0.0574	2.0891%	574	95	6.1	1			1.0000E-04
4	11.363		0.0342	1.2459%	342	78	4.4	1			1.0000E-04
5	12.053		0.0850	3.0932%	850	146	5.8	1			1.0000E-04
6	12.337		0.0213	0.7766%	213	59	3.6	1			1.0000E-04
7	12.913		0.0365	1.3293%	365	87	4.2	1			1.0000E-04
8	13.513		0.0370	1.3475%	370	70	5.3	1			1.0000E-04

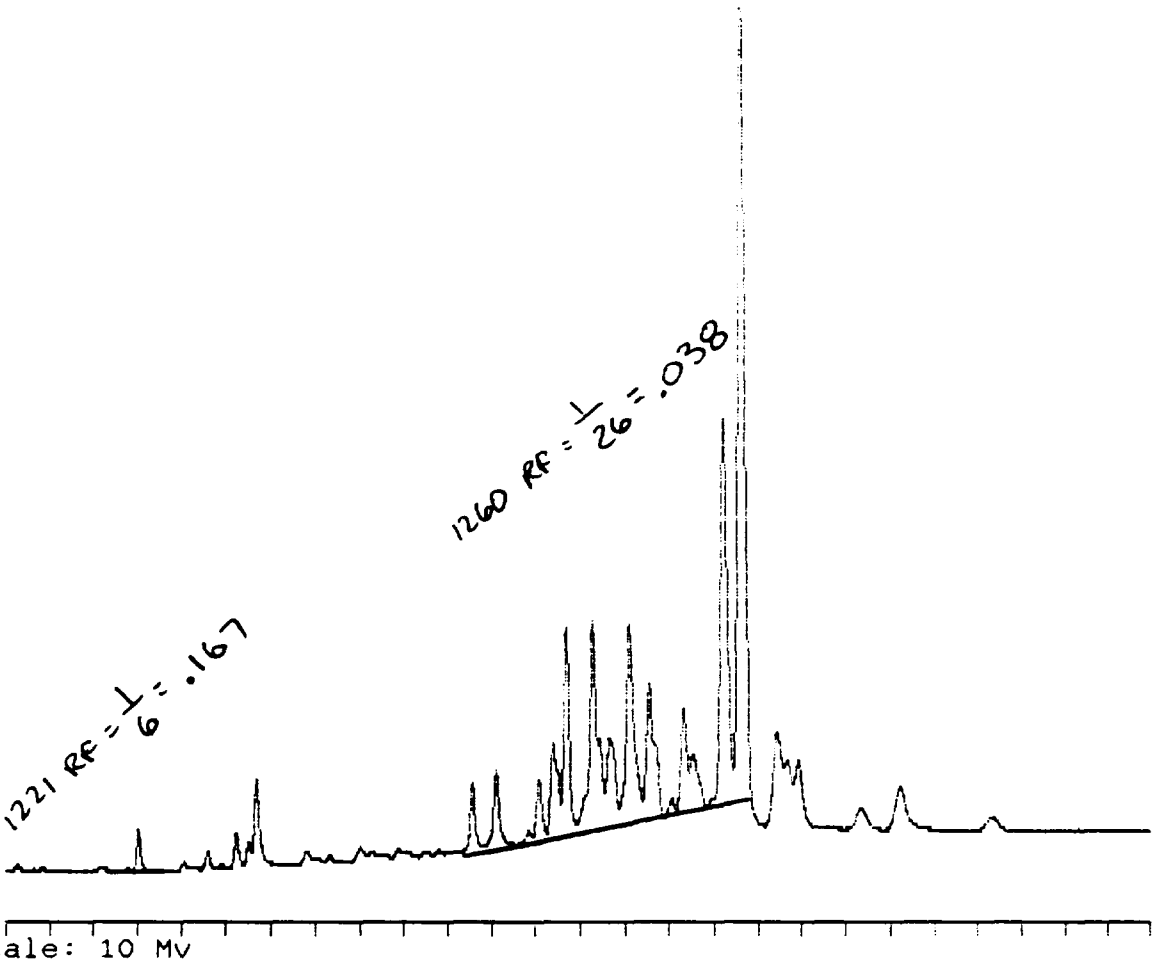


30 Min Scale: 10 Mv
CK16 Processed: 12-11-1991 12:37:48, segment 5, cycle 32
RAW DATA SAVED IN FILE D:RE12632.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-11-1991 12:39:27 Version 5.1 **********
* Sample Name: CK16 Data File: D:RE12632 *
* Date: 12-11-1991 15:05:49 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 32 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	9.687		0.3179	4.6631%	3179	514	6.2	1			1.0000E-04
	10.797		1.0266	15.0594%	10266	1227	8.4	1			1.0000E-04
3	11.323		0.5640	8.2729%	5640	867	6.5	1			1.0000E-04
4	12.020		1.5012	22.0203%	15012	1600	9.4	2			1.0000E-04
5	12.300		0.4670	6.8503%	4670	711	6.6	2			1.0000E-04
6	12.513		0.0157	0.2296%	157	52	3.0	1			1.0000E-04
7	12.877		0.2707	3.9706%	2707	501	5.4	2			1.0000E-04
8	13.013		0.0489	0.7176%	489	127	3.9	2			1.0000E-04



30 Min Scale: 10 Mv
CK21,60 Processed: 12-11-1991 13:14:40, segment 6, cycle 33
End of sequence file reached at cycle 33
RAW DATA SAVED IN FILE D:RE12633.PTS

***** EXTERNAL STANDARD TABLE *****

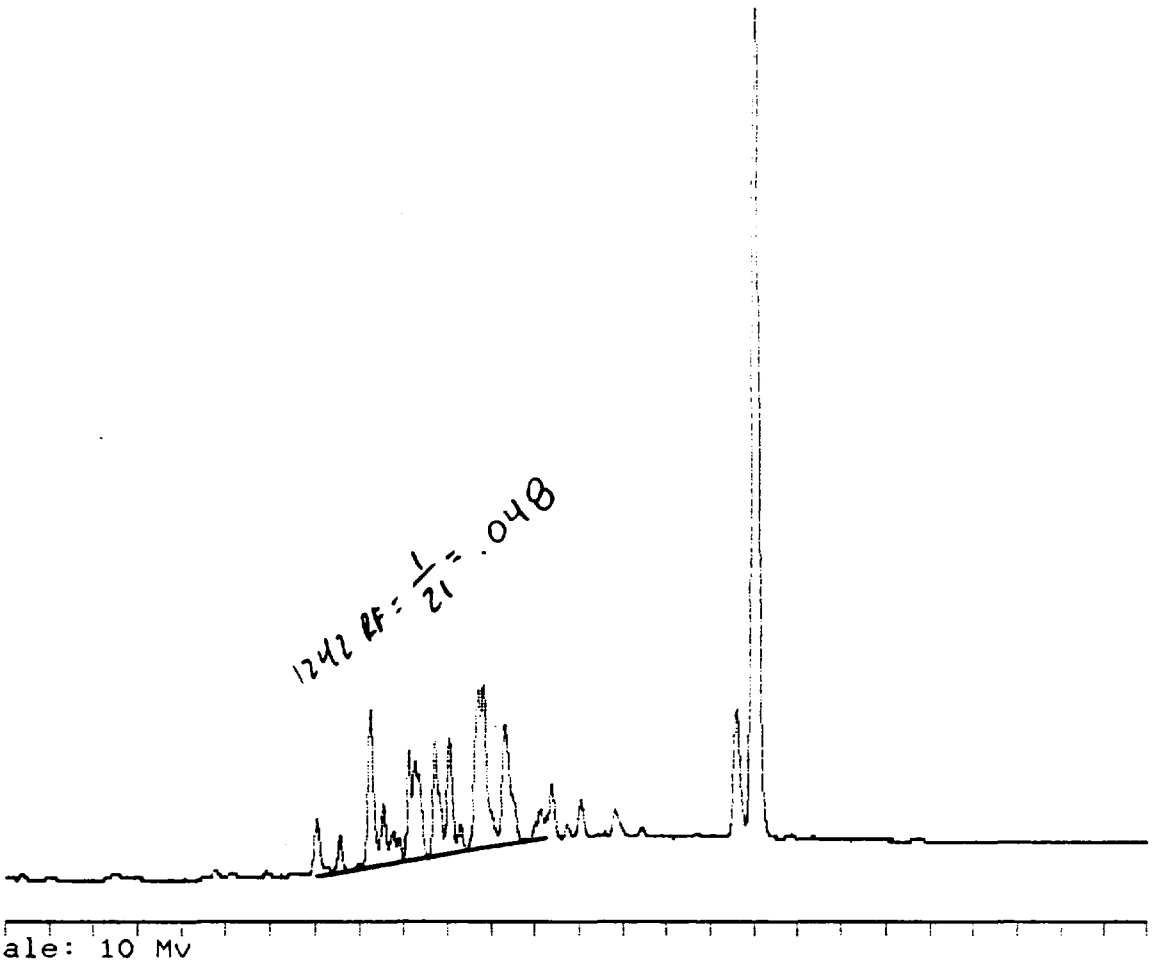
********** 12-11-1991 13:16:25 Version 5.1 **********

* Sample Name: CK21,60 Data File: D:RE12633 *
* Date: 12-11-1991 16:19:35 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 33 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	7.020		0.2179	1.6971%	2179	401	5.4 1			1.0000E-04
2	9.230		0.0336	0.2615%	336	74	4.5 1			1.0000E-04
3	9.503		0.0238	0.1857%	239	72	3.3 1			1.0000E-04
4	9.680		0.5447	4.2425%	5447	805	6.8 1			1.0000E-04
5	14.580		0.4330	3.3722%	4330	657	6.6 1			1.0000E-04
6	15.123		0.4697	3.6582%	4697	680	6.9 1			1.0000E-04
7	16.097		0.4219	3.2860%	4219	576	7.3 1			1.0000E-04



30 Min Scale: 10 Mv
48 Processed: 12-11-1991 18:32:36, segment 1, cycle 40
End of sequence file reached at cycle 40
RAW DATA SAVED IN FILE D:RE12640.PTS

EXTERNAL STANDARD TABLE

12-11-1991 18:34:16 Version 5.1

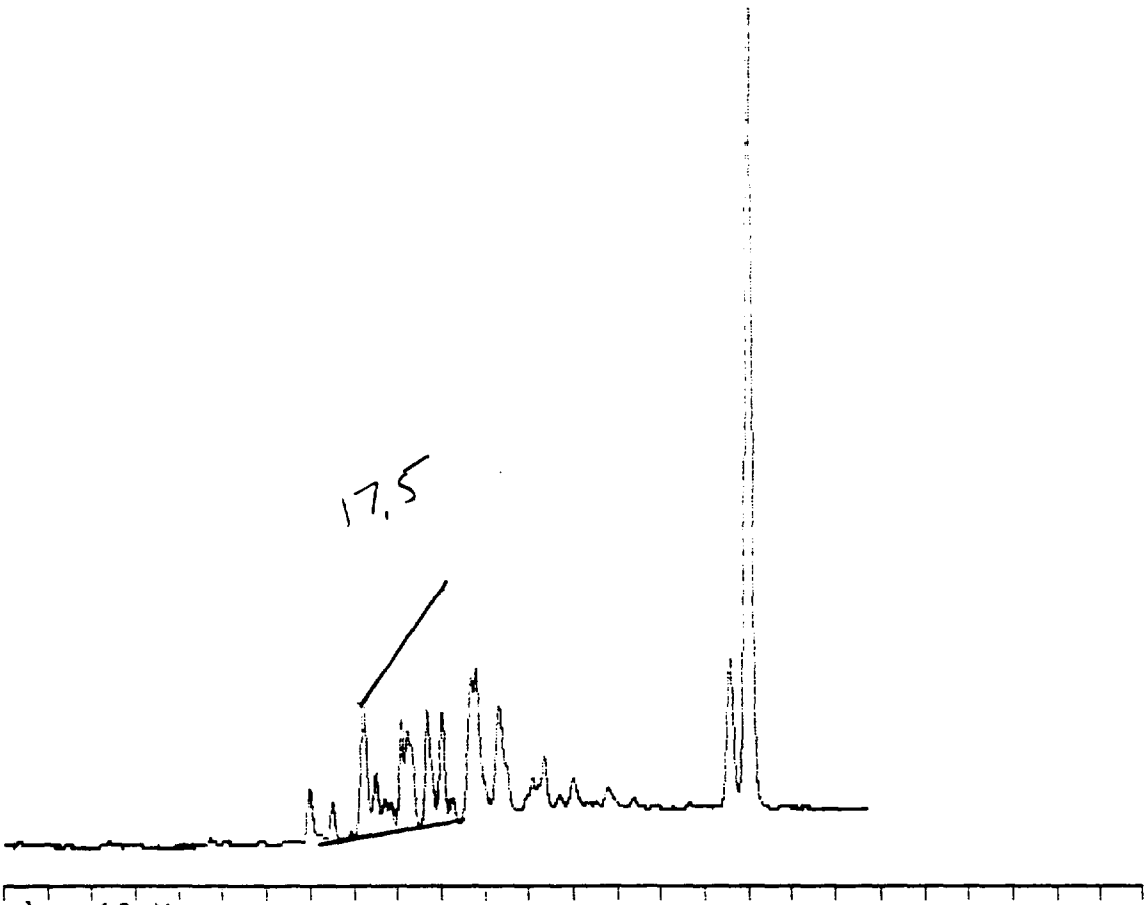
Sample Name: CK48 Data File: D:RE12640
Date: 12-11-1991 18:33:26 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 40 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	11.023		0.0557	0.5624%	557	126	4.4	1			1.0000E-04
	11.557		0.2067	2.0879%	2067	354	5.8	1			1.0000E-04
3	12.250		1.4528	14.6750%	14528	1664	8.7	2			1.0000E-04
4	12.530		0.3047	3.0783%	3047	515	5.9	2			1.0000E-04
5	12.747		0.0151	0.1525%	151	45	3.4	1			1.0000E-04
6	13.113		0.4753	4.8014%	4753	872	5.5	2			1.0000E-04
7	13.257		0.1370	1.3835%	1370	289	4.7	2			1.0000E-04

SEQUENCE RECORDED IN D:RERUN.SEQ



-30 Min Scale: 10 MV
48 Processed: 12-11-1991 19:08:27, segment 1, cycle 41
End of sequence file reached at cycle 41
RAW DATA SAVED IN FILE D:RE12641.PTS

EXTERNAL STANDARD TABLE

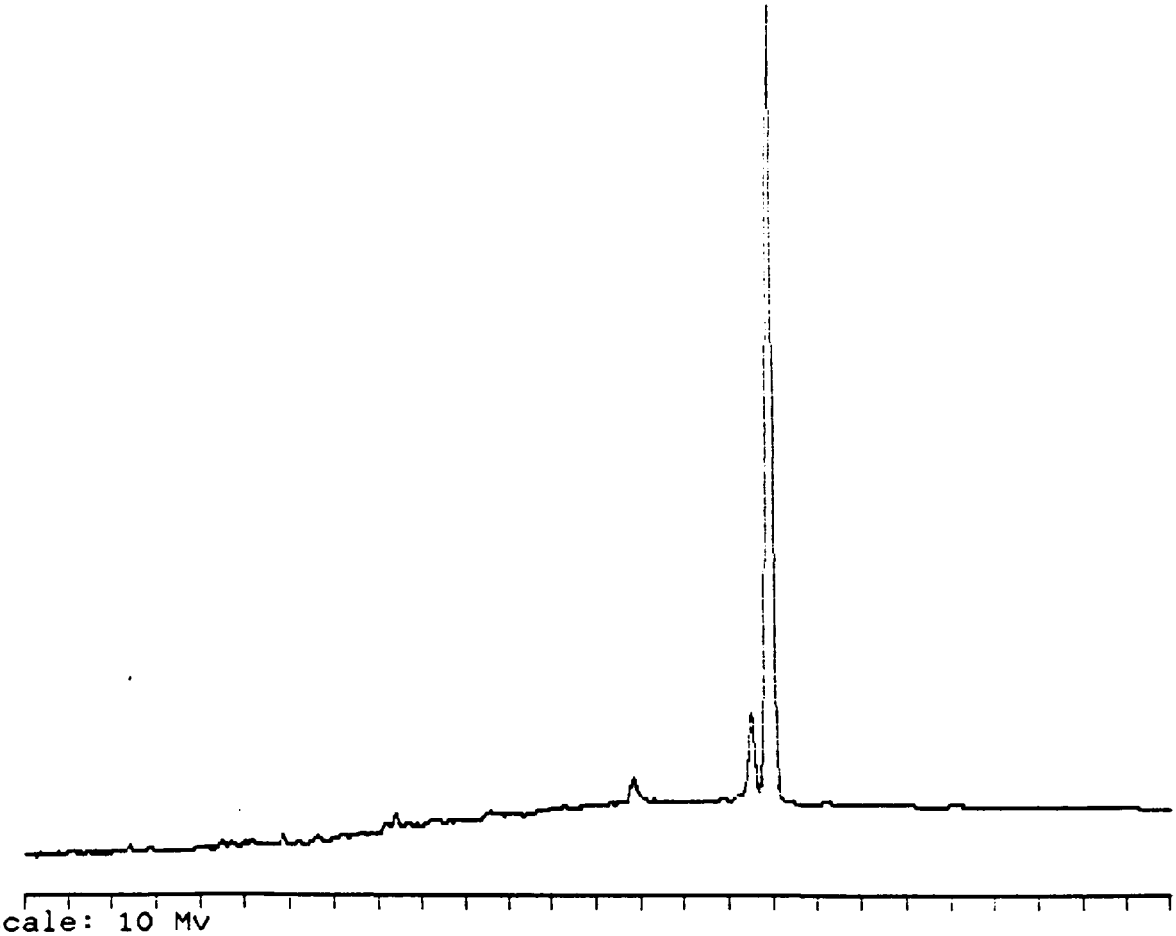
12-11-1991 19:10:03 Version 5.1

* Sample Name: CK48 Data File: D:RE12641 *
* Date: 12-11-1991 19:09:26 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 41 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	10.963		0.3808	4.3707%	3808	525	7.2	1			1.0000E-04
	11.493		0.0336	0.3861%	336	87	3.9	1			1.0000E-04
3	12.197		1.3085	15.0189%	13085	1421	9.2	2			1.0000E-04
4	12.477		0.2882	3.3084%	2882	469	6.1	2			1.0000E-04
5	13.057		0.4507	5.1725%	4507	828	5.4	2			1.0000E-04
6	13.200		0.1117	1.2822%	1117	244	4.6	2			1.0000E-04
7	13.653		1.1195	12.8495%	11195	1218	9.2	2			1.0000E-04

SEQUENCE RECORDED IN D:RE12642.SEQ



4-30 Min Scale: 10 MV
blkH20 Processed: 12-11-1991 21:02:49, segment 1, cycle 42
DATA SAVED IN FILE D:RE12642.PTS

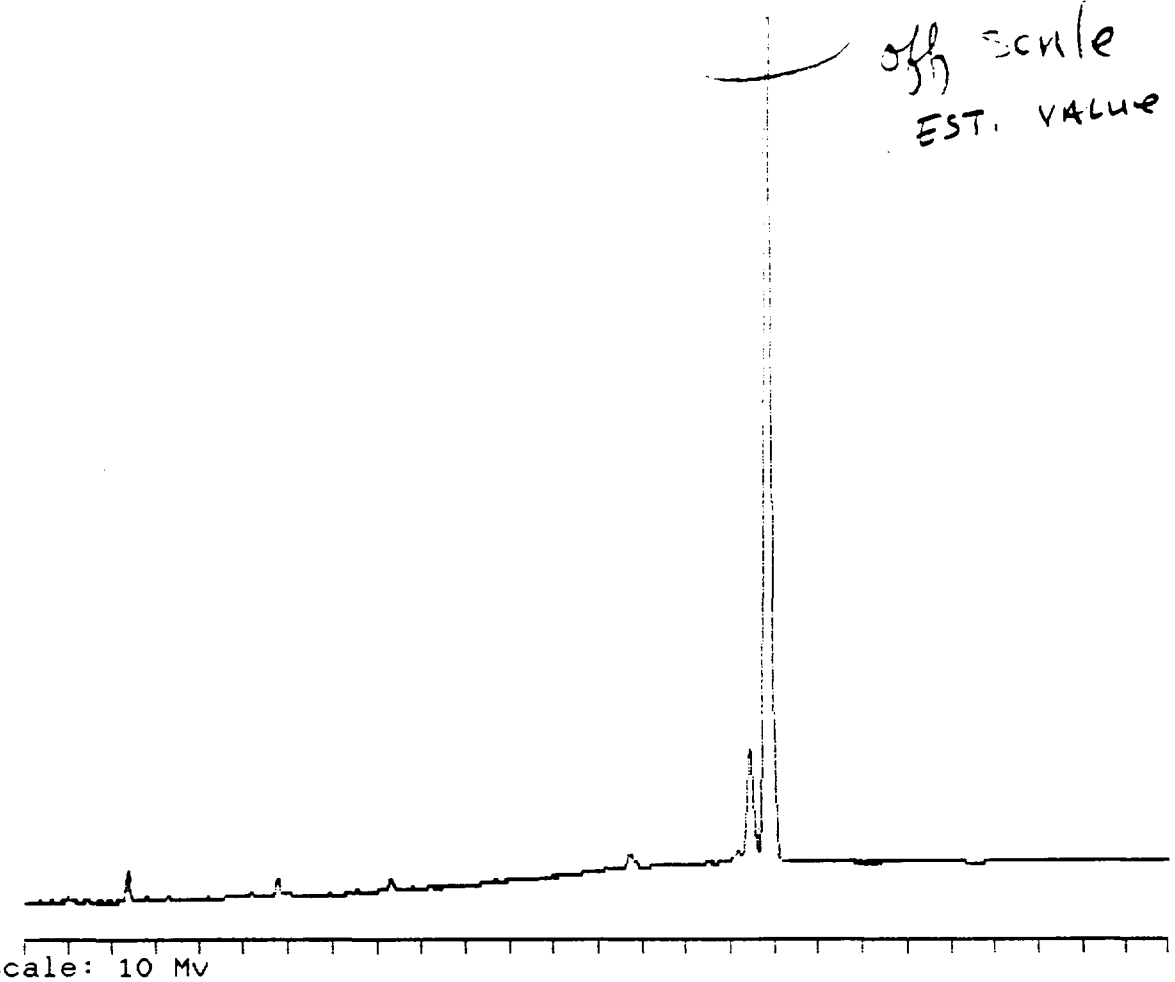
***** EXTERNAL STANDARD TABLE *****

********** 12-11-1991 21:04:26 Version 5.1 **********
* Sample Name: blkH20 Data File: D:RE12642 *
* Date: 12-11-1991 21:03:39 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 42 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	17.793		0.0325	6.9337%	325	61	5.4	1			1.0000E-04
2	20.460		0.0838	17.8782%	838	118	7.1	1			1.0000E-04
3	20.880	DBC	0.3524	75.1881%	89212	8526	10.5	1	3	0	3.9504E-06

TOTAL AMOUNT = 0.4687

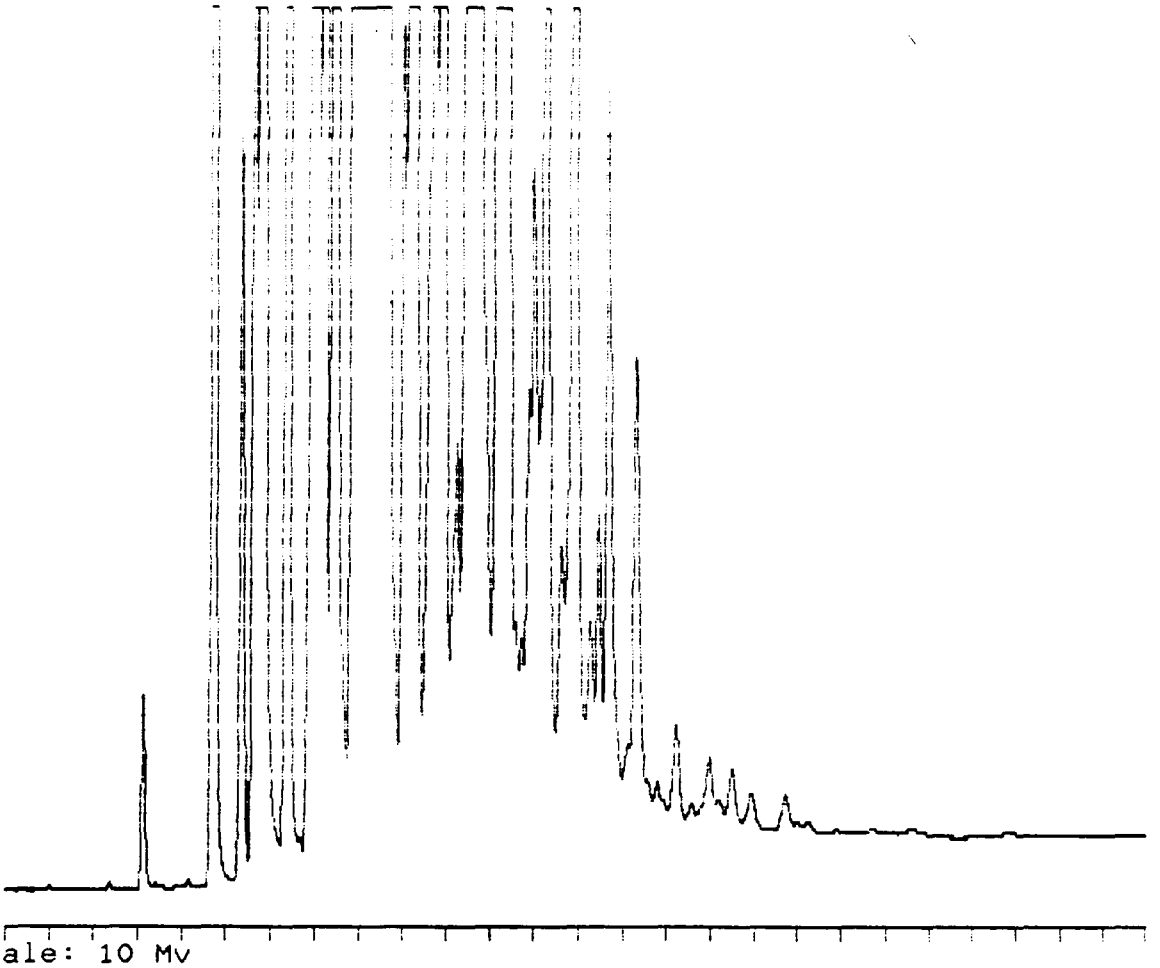



```
4-30 Min  Scale: 10 Mv
 KS        Processed: 12-11-1991 21:39:15, segment 2, cycle 43
 J DATA SAVED IN FILE D:RE12643.PTS
ERROR 61 CREATING FILE D:RE12643.HDR
***** DISK FULL *****
 Error 0 creating file D:RE12643.PTS
Error 61 opening raw data file D:LASTRUN.PTS
RAW DATA SAVED IN FILE D:RE12644.PTS
ERROR 61 CREATING FILE D:RE12644.HDR
***** DISK FULL *****
 Error 0 creating file D:RE12644.PTS
Error 61 opening raw data file D:LASTRUN.PTS
Error  53 reading sequence file RERUN
RAW DATA SAVED IN FILE D:RE12645.PTS
```

Due to loss of File space, Conc value for DBC can not be RETRIEVED.

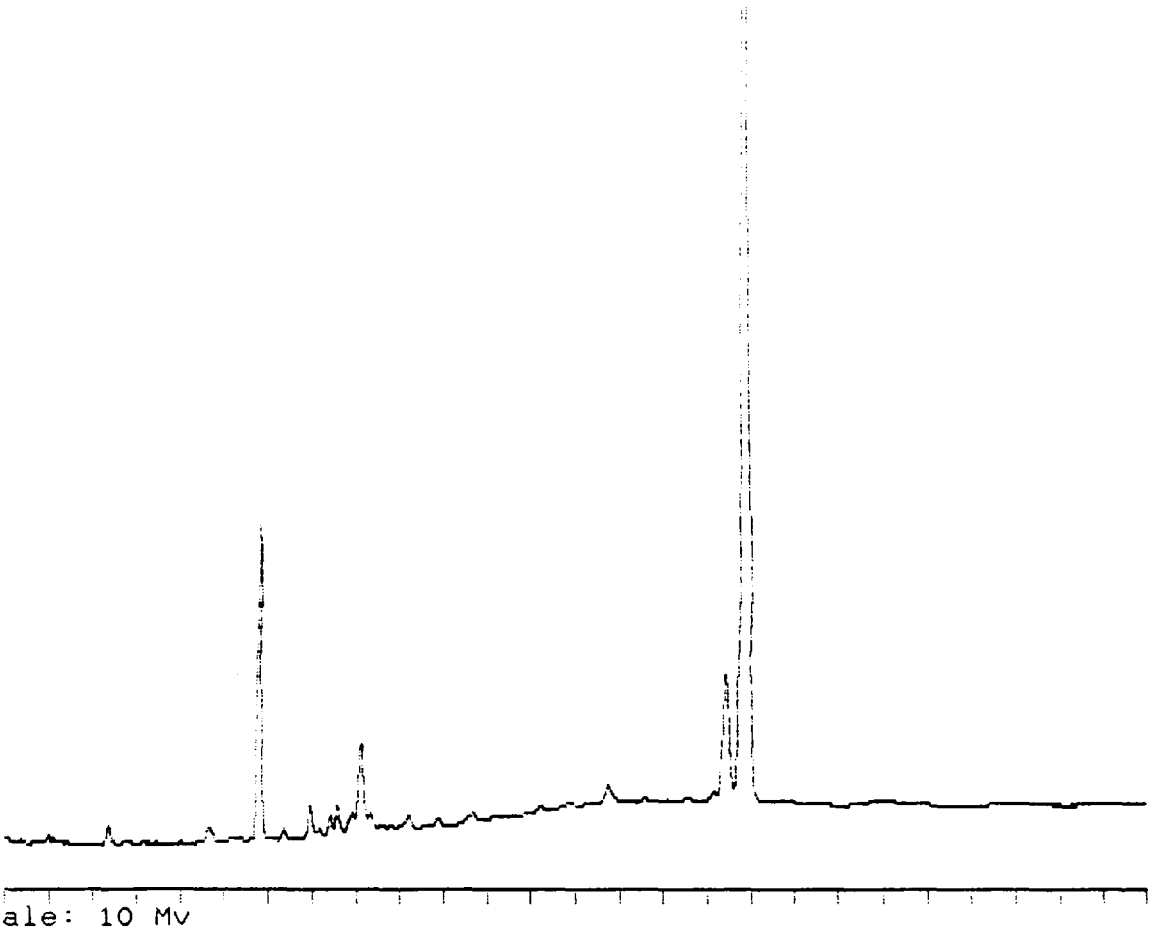
EST. VALUE .35

Disk error 61 in line 27095 storing raw data.
***** DISK FULL *****



30 Min Scale: 10 Mv
Processed: 12-12-1991 08:03:33, segment 1, cycle 54
RAW DATA SAVED IN FILE D:RER154.PTS
ERROR 61 CREATING FILE D:RER154.HDR
***** DISK FULL *****
Error 0 creating file D:RER154.PTS
Error 61 opening raw data file D:LASTRUN.PTS
RAW DATA SAVED IN FILE D:RER155.PTS
ERROR 61 CREATING FILE D:RER155.HDR
***** DISK FULL *****
Error 0 creating file D:RER155.PTS
Error 61 opening raw data file D:LASTRUN.PTS
Error 53 reading sequence file RERUN
RAW DATA SAVED IN FILE D:RER156.PTS
SEQUENCE RECORDED IN D:RERUN.SEQ

50-B



4-30 Min Scale: 10 Mv
Processed: 12-12-1991 08:13:50, segment 4, cycle 57
RAW DATA SAVED IN FILE D:RER157.PTS

EXTERNAL STANDARD TABLE

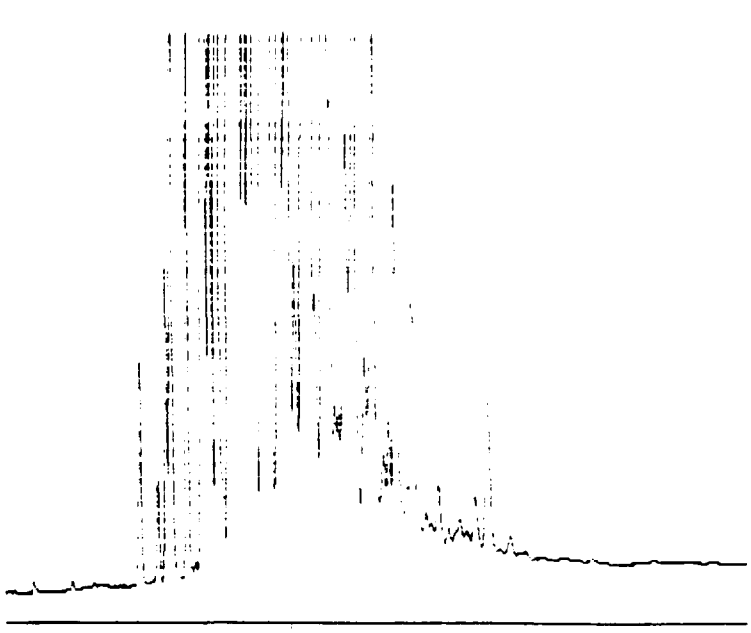
12-12-1991 08:15:08 Version 5.1

* Sample Name: MBLK Data File: D:RER157
* Date: 12-12-1991 10:03:49 Method: PCB 12-10-1991 10:26:32 # 24
* Interface: 16 Cycle#: 57 Operator DE Channel#: 0 Vial#: N.A.
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
* Instrument Type: TRACOR 540 Column Type: SPB-5
* Solvent Description:
* Conditions: pro #2
* Detector 0: Detector 1: FID
* Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.350		0.0129	0.2940%	129	45	2.9	1			1.0000E-04
2	9.783		2.0567	46.8398%	20567	3453	6.0	1			1.0000E-04
3	10.957		0.0285	0.6495%	285	79	3.6	1			1.0000E-04
4	11.407		0.0207	0.4723%	207	64	3.3	1			1.0000E-04
	11.573		0.0241	0.5493%	241	69	3.5	1			1.0000E-04
~~6~~	~~12.123~~		~~0.5913~~	~~13.4675%~~	~~5913~~	~~812~~	~~7.3~~	~~1~~			~~1.0000E-04~~
7	20.417		1.2159	27.6926%	12159	1257	9.7	2			1.0000E-04
8	20.847	DBC	0.4406	10.0350%	113586	10886	10.4	2	8	0	3.8792E-06

TOTAL AMOUNT = 4.3909



--30 Min Scale: 10 Mv
Processed: 12-12-1991 08:18:40, Segment 5, Cycle 58
RAW DATA SAVED IN FILE D:RER138.PTS

**** EXTERNAL STANDARD TABLE ****

********** 12-12-1991 08:20:02 Version 5.1 **********

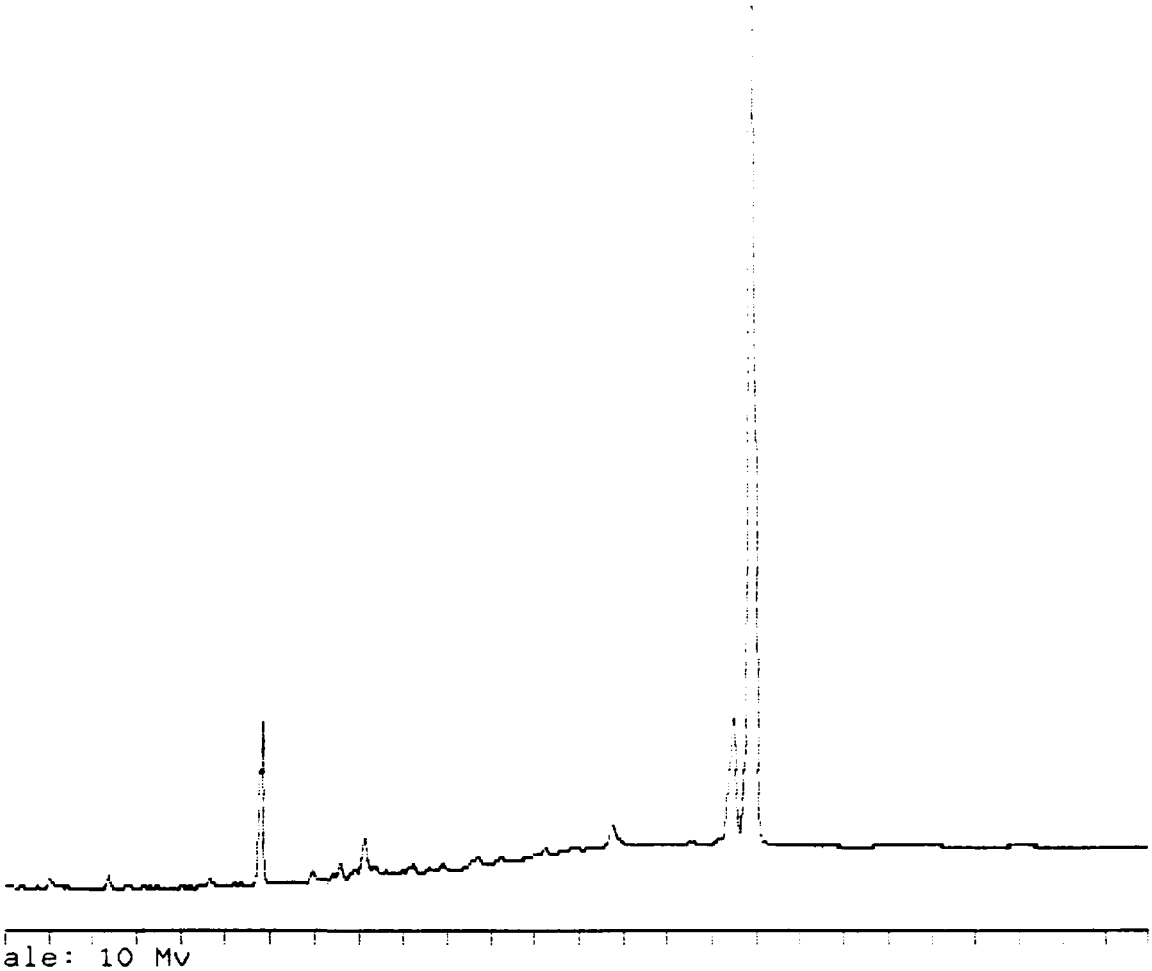
* Sample Name: SD-4 Data File: D:RER158 *
* Date: 12-12-1991 10:45:03 Method: PC8 12-10-1991 13:20:32 # 24 *
* Interface: 18 Cycle#: 58 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 3 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: OV-8 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1 FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK		% DELTA RET TIME	CONC/AREA
1	5.007		0.0172	0.0037%	172	61	2.8	1				1.0000E-04
2	8.723		2.3778	0.5132%	23778	3954	6.0	1				1.0000E-04
3	9.340		1.0471	0.2260%	10471	1686	6.2	1				1.0000E-04
4	9.623		3.1500	0.6799%	31500	5367	5.9	2				1.0000E-04
5	9.797		8.3857	1.8099%	83857	13080	6.4	2				1.0000E-04
6	10.363		6.1582	1.3291%	61582	10037	6.1	1				1.0000E-04
7	10.657		0.0144	0.0031%	144	53	2.7	1				1.0000E-04
8	10.970		35.4382	7.6487%	354382	47066	7.5	2				1.0000E-04
9	11.187		8.1201	1.7526%	81201	13109	6.2	2				1.0000E-04
10	11.423		23.4622	5.0639%	234622	37072	6.3	2				1.0000E-04
11	11.927		38.5849	8.3278%	385849	37608	10.3	2				1.0000E-04
12	12.130		117.4602	25.3516%	1174602	139257	8.4	2				1.0000E-04
13	12.407		7.8817	1.7011%	78817	11567	6.8	2				1.0000E-04
14	12.613		10.1118	2.1824%	101118	13891	7.3	2				1.0000E-04
15	12.990		8.9510	1.9319%	89510	14331	6.2	2				1.0000E-04
16	13.217		36.2056	7.8143%	362056	34485	10.5	2				1.0000E-04
17	13.587		9.3110	2.0096%	93110	13617	6.8	2				1.0000E-04
18	13.687		7.6314	1.6471%	76314	11716	6.5	2				1.0000E-04
19	13.893		20.9629	4.5244%	209629	25743	8.1	2				1.0000E-04
20	14.153		3.7444	0.8082%	37444	3989	9.4	2				1.0000E-04
21	14.567		22.3488	4.8234%	223488	21104	10.6	2				1.0000E-04
22	14.693		21.3860	4.6158%	213860	26885	8.0	2				1.0000E-04
23	14.880		2.3302	0.5029%	23302	3505	6.6	2				1.0000E-04
24	15.177		18.1460	3.9165%	181460	13948	13.0	2				1.0000E-04
25	15.383		4.3055	0.9293%	43055	6819	6.3	2				1.0000E-04
26	15.580		1.1599	0.2503%	11599	1698	6.8	2				1.0000E-04
27	15.703		1.0805	0.2332%	10805	1654	6.5	2				1.0000E-04
28	15.863		1.4341	0.3095%	14341	2745	5.2	2				1.0000E-04
29	15.980		5.1066	1.1022%	51066	6390	8.0	2				1.0000E-04
30	16.240		14.1527	3.0546%	141527	15925	8.9	2				1.0000E-04
31	16.580		2.2852	0.4932%	22852	2623	8.7	2				1.0000E-04
32	16.867		8.7632	1.8914%	87632	9070	9.7	2				1.0000E-04
33	17.240		0.9070	0.1959%	9070	1026	8.8	2				1.0000E-04
34	17.420		1.1588	0.2501%	11588	1651	7.0	2				1.0000E-04
35	17.637		5.0328	1.0862%	50328	5618	9.0	2				1.0000E-04
36	18.080		0.3364	0.0726%	3364	578	5.8	2				1.0000E-04
37	18.260		3.4410	0.7427%	34410	3824	9.0	2				1.0000E-04
38	18.723		0.0338	0.0073%	338	76	4.4	1				1.0000E-04
39	19.163		0.6794	0.1466%	6794	848	8.0	1				1.0000E-04
40	20.420		0.0821	0.0177%	821	122	6.7	1				1.0000E-04
41	20.867	DBC	0.1379	0.0298%	23927	2900	10.3	1	41		0	4.6080E-06

TOTAL AMOUNT = 463.3248



4-30 Min Scale: 10 Mv
Processed: 12-12-1991 08:23:45, segment 6, cycle 59
RAW DATA SAVED IN FILE D:RER159.PTS

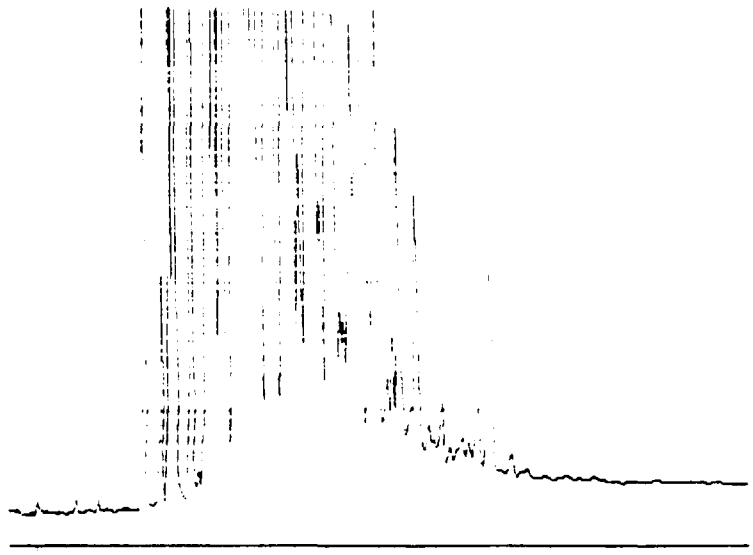
EXTERNAL STANDARD TABLE

********** 12-12-1991 08:25:03 Version 5.1 **********
* Sample Name: Blk Data File: D:RER159 *
* Date: 12-12-1991 11:26:26 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 59 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.790		1.0809	37.7706%	10809	1820	5.9	1			1.0000E-04
2	12.137		0.0415	1.4509%	415	85	4.9	1			1.0000E-04
	20.433		1.2974	45.3366%	12974	1316	9.9	2			1.0000E-04
4	20.857	DBC	0.4419	15.4419%	113937	10846	10.5	2	4	0	3.8784E-06

TOTAL AMOUNT = 2.8616



4-30 Min Scale: 10 Mv
Processed: 12-12-1991 08:28:43, Segment 7, Cycle 60
RAW DATA SAVED IN FILE D:RER160.PT5

***** EXTERNAL STANDARD TABLE *****

********** 12-12-1991 08:30:06 Version 5.1 **********

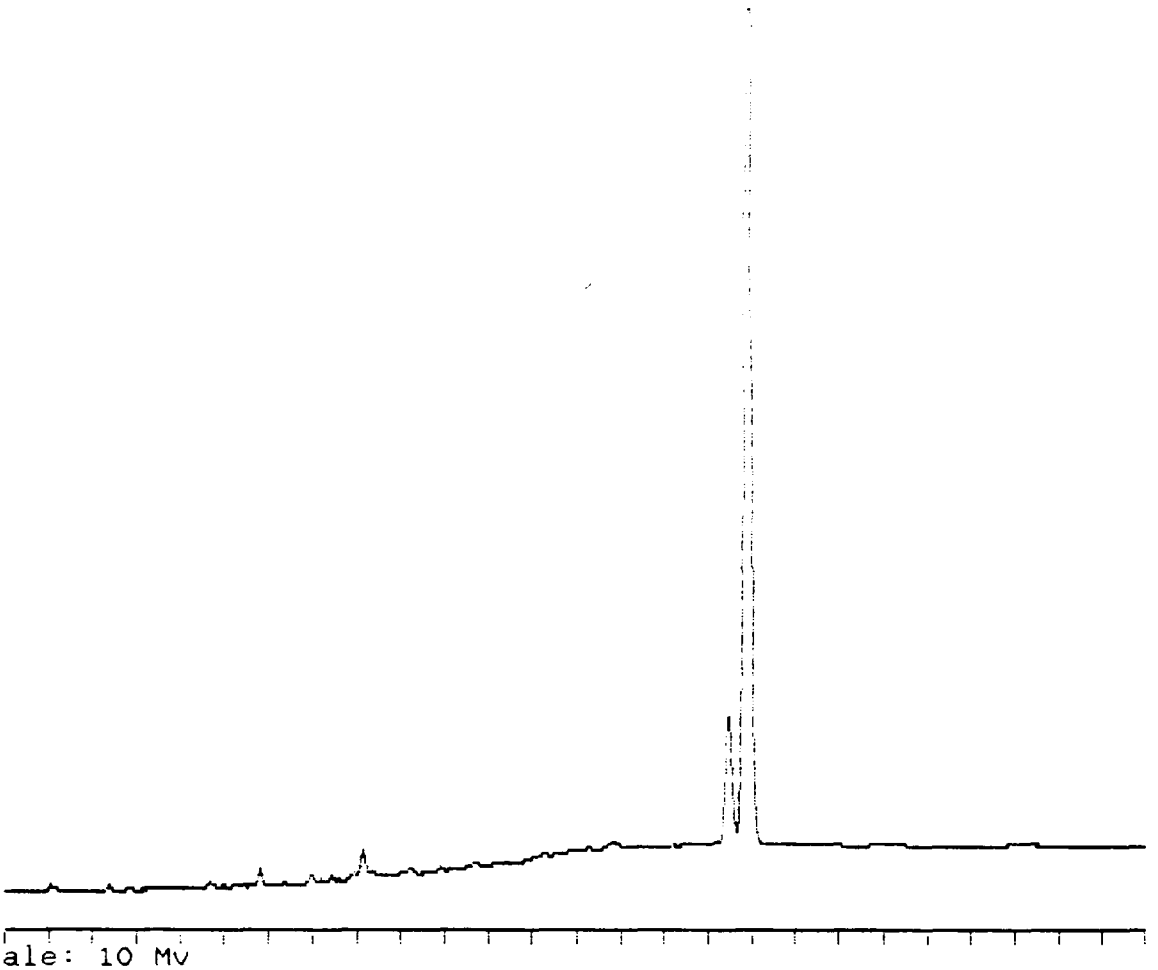
* Sample Name: RB-15 Data File: D:RER160 *
* Date: 12-12-1991 12:07:37 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 60 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SP8-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 2: Detector 1: FID *
* Misc. Information: 7 cc/min He *

Starting Delay: 4.00 Ending Retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	5.017		0.0184	0.0031%	184	63	2.9	1			1.0000E-04
2	6.380		0.0182	0.0031%	182	59	3.1	1			1.0000E-04
3	7.143		0.0176	0.0030%	176	55	3.2	1			1.0000E-04
4	8.740		6.7026	1.1397%	67026	11170	6.0	1			1.0000E-04
5	9.360		2.4107	0.4099%	24107	3853	6.3	1			1.0000E-04
6	9.643		7.3519	1.2501%	73519	13453	5.5	2			1.0000E-04
7	9.813		14.4007	2.4488%	144007	22069	6.5	2			1.0000E-04
8	10.387		12.1378	2.0639%	121378	19401	6.3	2			1.0000E-04
9	10.680		0.0992	0.0169%	992	230	4.3	2			1.0000E-04
10	10.997		51.5984	8.7740%	515984	69431	7.4	2			1.0000E-04
11	11.213		14.0513	2.3893%	140513	22544	6.2	2			1.0000E-04
12	11.450		34.2613	5.8259%	342613	54140	6.3	2			1.0000E-04
13	11.953		55.3029	9.4039%	553029	54259	10.2	2			1.0000E-04
14	12.157		154.5379	26.2782%	1545379	183402	8.4	2			1.0000E-04
15	12.433		9.5877	1.6303%	95877	13872	6.9	2			1.0000E-04
16	12.640		11.7425	1.9967%	117425	15532	7.6	2			1.0000E-04
17	13.017		9.9763	1.6964%	99763	16276	6.1	2			1.0000E-04
18	13.243		44.1555	7.5084%	441555	42123	10.5	2			1.0000E-04
19	13.613		10.7864	1.8342%	107864	15040	7.2	2			1.0000E-04
20	13.713		7.9556	1.3528%	79556	12758	6.2	2			1.0000E-04
21	13.917		22.7747	3.8727%	227747	28262	8.1	2			1.0000E-04
22	14.173		4.1459	0.7050%	41459	4377	9.5	2			1.0000E-04
23	14.427		4.1922	0.7129%	41922	7824	5.4	2			1.0000E-04
24	14.597		18.3876	3.1267%	183876	20440	9.0	2			1.0000E-04
25	14.720		19.5720	3.3281%	195720	25088	7.8	2			1.0000E-04
26	14.910		2.4917	0.4237%	24917	3695	6.7	2			1.0000E-04
27	15.193		17.5749	2.9885%	175749	12386	14.2	2			1.0000E-04
28	15.403		3.9709	0.6752%	39709	6724	5.9	2			1.0000E-04
29	15.603		1.2425	0.2113%	12425	1873	6.6	2			1.0000E-04
30	15.730		1.1764	0.2000%	11764	1777	6.6	2			1.0000E-04
31	15.893		1.1645	0.1980%	11645	2568	4.5	2			1.0000E-04
32	16.007		5.4179	0.9213%	54179	6664	8.1	2			1.0000E-04
33	16.267		15.2256	2.5890%	152256	17895	8.5	2			1.0000E-04
34	16.600		2.2677	0.3856%	22677	2617	8.7	2			1.0000E-04
35	16.890		8.7008	1.4795%	87008	8727	10.0	2			1.0000E-04
36	17.263		0.8541	0.1452%	8541	984	8.7	2			1.0000E-04
37	17.443		1.1900	0.2037%	11900	1732	6.9	2			1.0000E-04
38	17.657		4.6489	0.7905%	46489	5258	8.8	2			1.0000E-04
39	18.103		0.3354	0.0570%	3254	587	5.7	2			1.0000E-04
40	18.283		3.6849	0.6266%	36849	4104	9.0	2			1.0000E-04
41	18.747		0.2005	0.0341%	2005	333	6.0	1			1.0000E-04
42	19.187		0.7656	0.1302%	7656	952	8.0	1			1.0000E-04
43	19.913		0.0188	0.0032%	188	46	4.1	1			1.0000E-04
44	20.447		0.8083	0.1374%	8083	877	9.2	1			1.0000E-04
45	20.897	OBC	0.1519	0.0258%	33795	3281	10.3	1	45	0	4.4947E-06

TOTAL AMT. 588.0842



4-30 Min Scale: 10 MV
Processed: 12-12-1991 08:33:52, segment 8, cycle 61
RAW DATA SAVED IN FILE D:RER161.PTS

EXTERNAL STANDARD TABLE

12-12-1991 08:35:10 Version 5.1

Sample Name: blks Data File: D:RER161

Date: 12-12-1991 12:48:59 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 61 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

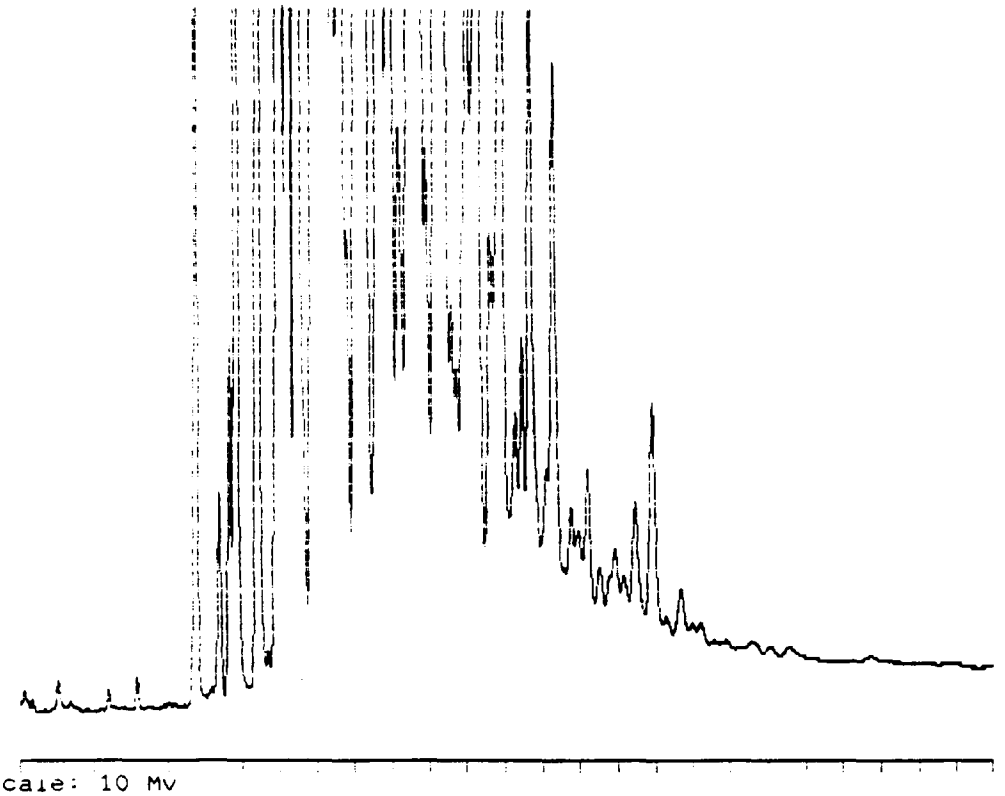
Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	12.143		0.0249	1.3693%	249	58	4.3	1			1.0000E-04
2	20.450		1.3483	74.2624%	13483	1345	10.0	2			1.0000E-04
	20.877	DBC	0.4424	24.3683%	114081	10809	10.6	2	3	0	3.8781E-06

TOTAL AMOUNT = 1.8155



4-30 Min Scale: 10 Mv
Processed: 12-12-1991 08:38:30, segment 9, cycle 62
RAW DATA SAVED IN FILE D:RER162.PTS

****** EXTERNAL STANDARD TABLE ******

********** 12-12-1991 08:39:53 Version 5.1 **********

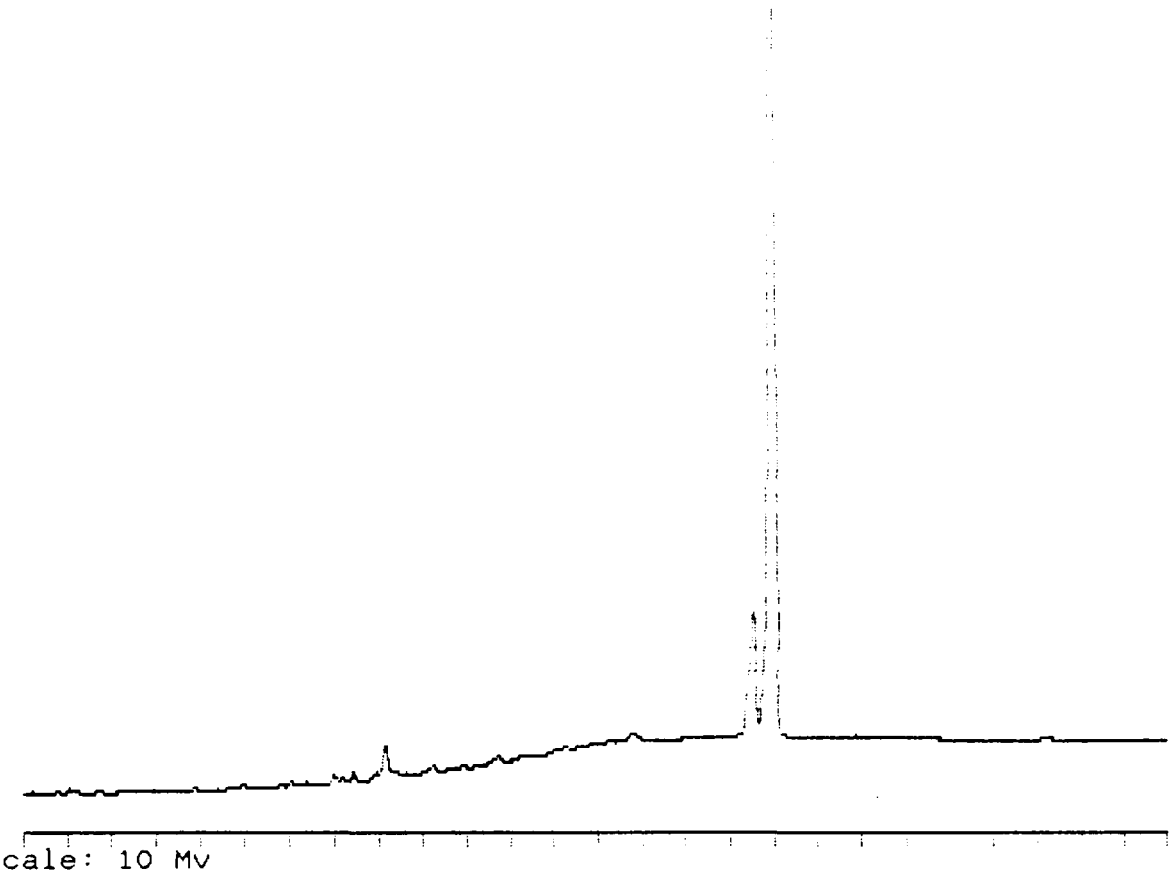
* Sample Name: SD-16 Data File: D:RER162 *
* Date: 12-12-1991 13:29:53 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 62 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
40	18.277		6.0234	0.7856%	60234	6498	9.3	2			1.0000E-04
41	18.743		0.4056	0.0529%	4056	639	6.3	1			1.0000E-04
42	18.927		0.0249	0.0033%	249	69	3.6	1			1.0000E-04
43	19.183		1.0732	0.1400%	10732	1392	7.7	1			1.0000E-04
44	19.507		0.0542	0.0071%	542	91	6.0	1			1.0000E-04
45	19.907		0.0755	0.0099%	756	79	9.6	1			1.0000E-04
46	20.127		0.0180	0.0024%	180	51	3.5	1			1.0000E-04
47	20.437		1.2673	0.1653%	12673	1312	9.7	1			1.0000E-04
48	20.893	DEC	0.1335	0.0174%	28710	2745	10.5	1	48	0	4.6499E-06
49	21.657		0.0679	0.0089%	679	97	7.0	1			1.0000E-04

TOTAL AMOUNT = 766.6929



4-30 Min Scale: 10 Mv
Processed: 12-12-1991 08:43:44, segment 10, cycle 63
RAW DATA SAVED IN FILE D:RER163.PTS

EXTERNAL STANDARD TABLE

12-12-1991 08:45:02 Version 5.1

Sample Name: BLK Soil Data File: D:RER163

Date: 12-12-1991 14:11:18 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 63 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

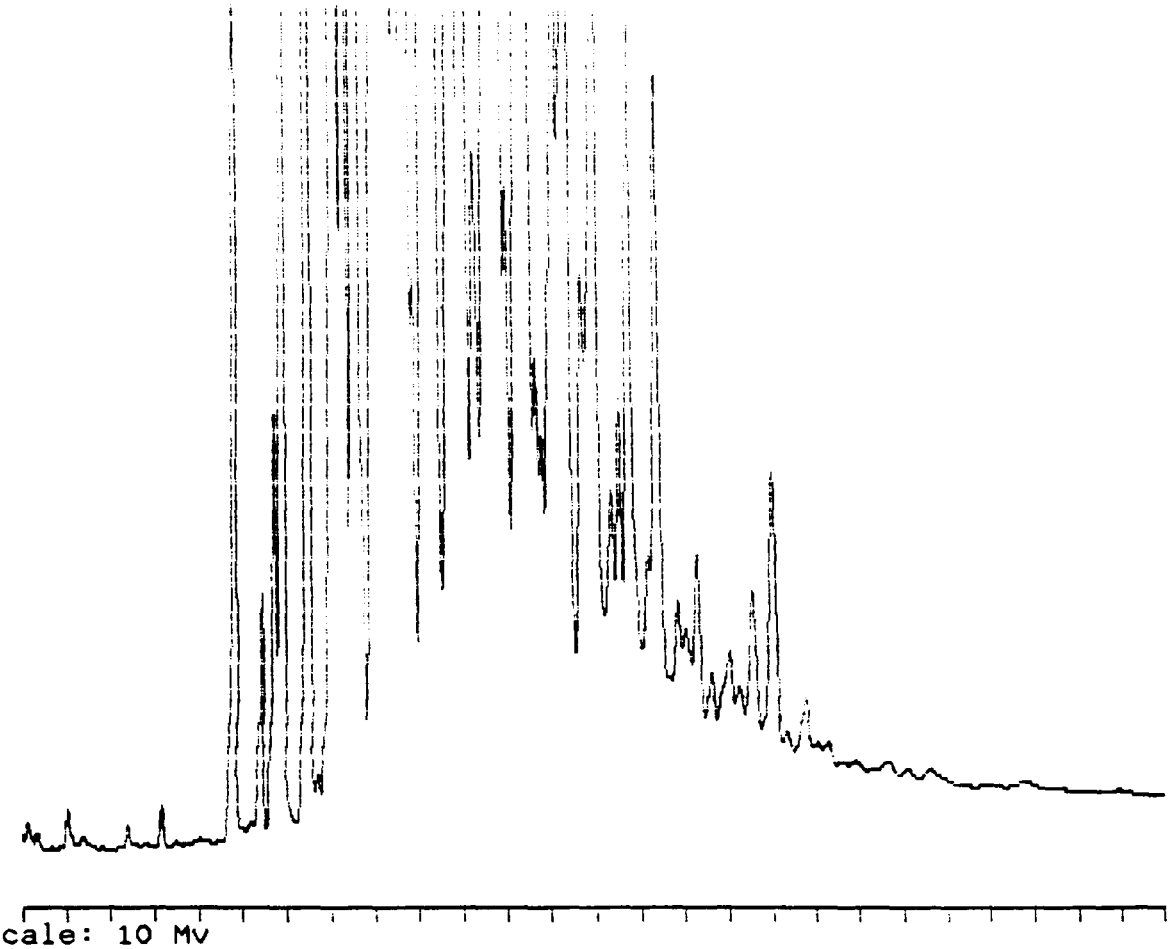
Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	12.157		0.0302	1.6644%	302	71	4.2	1			1.0000E-04
2	20.463		1.3374	73.8053%	13374	1342	10.0	2			1.0000E-04
	20.887	DBC	0.4445	24.5303%	114657	10839	10.6	2	3	0	3.8768E-06

TOTAL AMOUNT = 1.8120



4-30 Min Scale: 10 Mv
Processed: 12-12-1991 08:48:22, segment 11, cycle 64
RAW DATA SAVED IN FILE D:RER164.PTS

EXTERNAL STANDARD TABLE

12-12-1991 08:49:45 Version 5.1

Sample Name: SD-161 Data File: D:RER164

Date: 12-12-1991 14:52:09 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 64 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

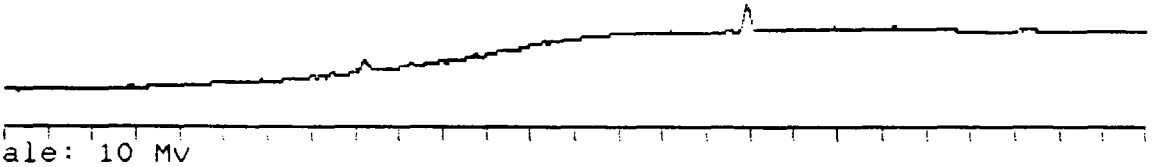
Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
				0.0035%	273	74	3.7	1			1.0000E-04
43	19.223		1.1025	0.1415%	11025	1432	7.7	1			1.0000E-04
44	19.543		0.0532	0.0068%	532	93	5.7	1			1.0000E-04
45	19.947		0.6790	0.0871%	6790	597	11.4	1			1.0000E-04
	20.170		0.0174	0.0022%	174	51	3.4	1			1.0000E-04
	20.473		1.3195	0.1693%	13195	1359	9.7	1			1.0000E-04
48	20.933	DBC	0.1366	0.0175%	29562	2819	10.5	1	48	0	4.6202E-06
49	21.703		0.0597	0.0077%	597	72	8.3	1			1.0000E-04

TOTAL AMOUNT = 779.2208



4-30 Min Scale: 10 Mv
Processed: 12-12-1991 08:53:28, segment 12, cycle 65
RAW DATA SAVED IN FILE D:RER165.PTS

EXTERNAL STANDARD TABLE

12-12-1991 08:54:44 Version 5.1

Sample Name: Soil — Data File: D:RER165

Date: 12-12-1991 15:33:22 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 65 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00

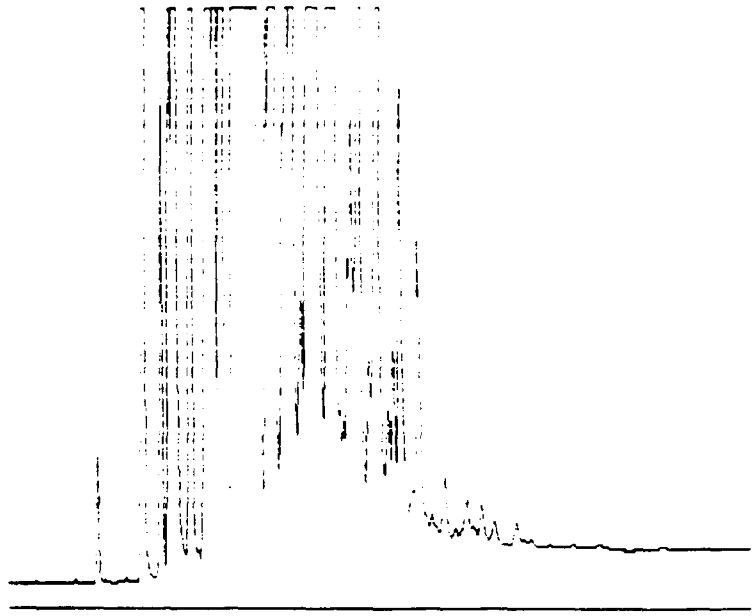
Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA

TOTAL AMOUNT = 0.0000



4-30 Min Scale: 10 Mv
Processed: 12-12-1991 08:58:03, segment 1, cycle 56
RAW DATA SAVED IN FILE D:RER166.PTS

***** EXTERNAL STANDARD TABLE *****

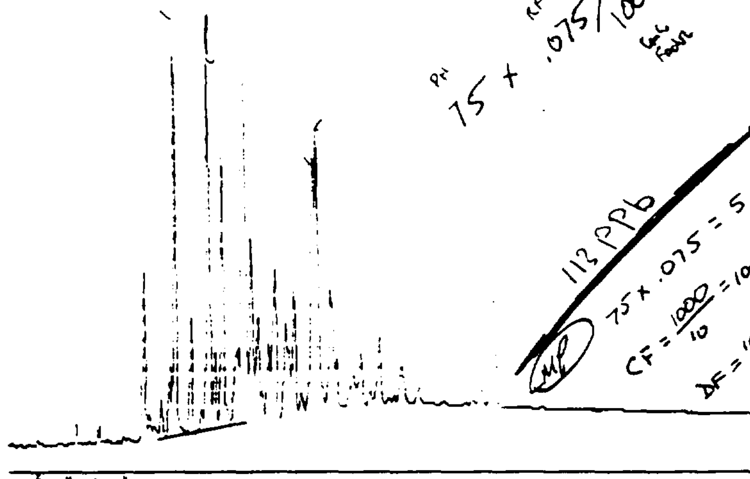
```
******************** 12-12-1991 08:59:25 Version 5.1 **********************
* Sample Name: 50-5                                   Data File: D:RER166   *
* Date: 12-12-1991 1 .14:06 Method: PCB  12-10-1991 10:2 -   #  24           *
* Interface: 1:  Cycle#:  56   Operator OE  Channel#: .      Vial#: N.A.    *
* Starting Peak Width:  2   Threshold: 5  Area Threshold: 10               *
*****************************************************************************
* Instrument Type: TRACOR 540              Column Type: DPB-5               *
*              Solvent Description:                                         *
* Conditions: pro #2                                                        *
*            Detector 0:                        Detector 1: FID             *
* Misc. Information: 9 cc/min He                                            *
*****************************************************************************
```

Starting Delay: 4.00 — Ending retention time: 30.00
Area reject: 10 — One sample per 0.200 sec.
Amount injected: 1.00 — Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.127		1.1306	0.1490%	11306	2076	5.4	1			1.0000E-04
2	8.727		17.6491	2.3258%	176491	29046	6.1	1			1.0000E-04
3	9.353		5.0357	0.6636%	50357	8024	6.3	2			1.0000E-04
4	9.630		9.4816	1.2495%	94816	16366	5.8	2			1.0000E-04
5	9.803		54.6495	7.2016%	546495	82935	6.6	2			1.0000E-04
6	10.380		21.5200	2.8358%	215200	33823	6.4	2			1.0000E-04
7	10.993		73.9042	9.7389%	739042	105324	7.0	2			1.0000E-04
8	11.210		19.5171	2.5719%	195171	29621	6.6	2			1.0000E-04
9	11.447		50.9232	6.7105%	509232	75406	6.7	2			1.0000E-04
10	11.960		39.0058	5.1401%	390058	44319	8.8	2			1.0000E-04
11	12.160		178.6407	23.5400%	1786407	214370	8.3	2			1.0000E-04
12	12.433		17.8949	2.3581%	178949	24411	7.3	2			1.0000E-04
13	12.640		18.6139	2.4529%	186139	20396	9.1	2			1.0000E-04
14	13.020		4.6978	0.6191%	46978	7996	5.9	2			1.0000E-04
15	13.257		42.5091	5.6017%	425091	45077	9.4	2			1.0000E-04
16	13.620		3.3451	0.4408%	33451	5784	5.8	2			1.0000E-04
17	13.740		9.6062	1.2659%	96062	12888	7.5	2			1.0000E-04
18	13.913		21.1377	2.7855%	211377	27690	7.6	2			1.0000E-04
19	14.260		2.3593	0.3109%	23593	2684	8.8	2			1.0000E-04
20	14.593		47.1918	6.2188%	471918	46953	10.1	2			1.0000E-04
21	14.727		43.2036	5.6933%	432036	53259	8.1	2			1.0000E-04
22	15.213		17.6482	2.3256%	176482	15240	11.6	2			1.0000E-04
23	15.437		7.9306	1.0451%	79306	11432	6.9	2			1.0000E-04
24	15.743		0.1639	0.0216%	1639	406	4.0	2			1.0000E-04
25	15.900		1.7636	0.2324%	17636	3230	5.5	2			1.0000E-04
26	16.017		4.3773	0.5768%	43773	5722	7.6	2			1.0000E-04
27	16.283		11.6868	1.5401%	116868	13054	9.0	2			1.0000E-04
28	16.623		1.6633	0.2192%	16633	2075	9.0	2			1.0000E-04
29	16.913		16.7506	2.2074%	167506	18196	9.2	2			1.0000E-04
30	17.283		1.2243	0.1613%	12243	1479	8.3	2			1.0000E-04
31	17.467		1.9272	0.2540%	19272	2682	7.2	2			1.0000E-04
32	17.687		6.4700	0.8526%	64700	7398	8.7	2			1.0000E-04
33	18.117		0.1737	0.0229%	1737	342	5.1	2			1.0000E-04
34	18.313		4.0558	0.5345%	40558	4603	8.8	2			1.0000E-04
35	18.783		0.0173	0.0023%	173	46	3.8	1			1.0000E-04
36	19.220		0.8213	0.1082%	8213	913	9.0	1			1.0000E-04
37	19.960		0.0510	0.0067%	510	106	4.8	1			1.0000E-04
38	20.483		0.0534	0.0070%	534	96	5.6	1			1.0000E-04
39	20.933	OBC	0.0306	0.0040%	269	60	4.5	1	0	.6571	1.1358E-04
40	21.723		0.0289	0.0038%	289	56	5.2	1			1.0000E-04

TOTAL AMOUNT = 758.8545

SEQUENCE RECORDED IN D:RERUN.SEQ



75 × .075/100 × 2 = .113 ppm

113 ppb

75 × .075 = 5.625 × .0 .113 ppm

CF = 1000/10 = 100

DF = 1000/500 = 2

4-30 Min Scale: 10 MV

Processed: 12-12-1991 09:06 53, segment 1, cycle 67

RAW DATA SAVED IN FILE D:RER167.PTS

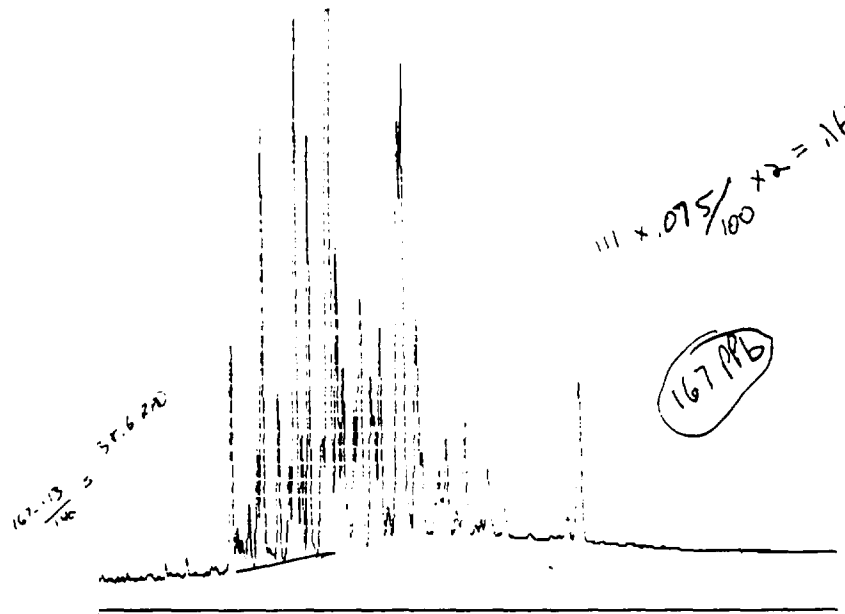
***** EXTERNAL STANDARD TABLE *****

```
******************** 12-12-1991 09:08:23 Version 1.1 ********************
* Sample Name. G-W-5 ae                        Data File: D:RER167        *
* Date: 12-12-1991 16:59:04 Method: PCB  12-10-1991 10:26:32  #  24      *
* Interface: 16  Cycle#:  67   Operator DE  Channel#: 0    Vial#: N.A.    *
* Starting Peak Width:  2   Threshold: 5  Area Threshold: 10             *
***************************************************************************
* Instrument Type: TRACOR 540           Column Type: SPB-5               *
*           Solvent Description:                                         *
* Conditions: prb #2                                                     *
*           Detector 0:                          Detector 1: FID         *
* Misc. Information: 9 cc/min He                                         *
***************************************************************************
```

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 2 ~~1.00~~
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.300		0.1596	0.3356%	1596	333	4.8	1			1.0000E-04
2	7.137		0.0231	0.0485%	231	75	3.1	1			1.0000E-04
3	8.733		1.7926	3.7691%	17926	2982	6.0	2			1.0000E-04
4	8.943		0.1453	0.3056%	1453	303	4.8	2			1.0000E-04
5	9.350		0.3068	0.6450%	3068	534	5.7	1			1.0000E-04
6	9.637		0.7147	1.5028%	7147	1254	5.7	2			1.0000E-04
7	9.810		4.2716	8.9815%	42716	6818	6.3	2			1.0000E-04
8	10.300		1.2001	2.5401%	12001	2017	6.0	1			1.0000E-04
9	10.757		0.0287	0.0604%	287	79	3.6	1			1.0000E-04
10	10.907		4.4568	9.3709%	44568	5900	7.4	2			1.0000E-04
11	11.207		0.7431	1.5624%	7431	1245	6.0	2			1.0000E-04
12	11.450		2.5850	5.4353%	25850	4331	6.0	1			1.0000E-04
13	11.950		1.2148	2.5542%	12148	1237	9.8	2			1.0000E-04
14	12.153		10.7301	22.5780%	107301	12662	8.5	2			1.0000E-04
15	12.430		2.0019	4.2093%	20019	2843	7.0	2			1.0000E-04
16	12.643		0.9573	2.0128%	9573	1421	6.7	2			1.0000E-04
17	13.017		0.7701	1.6192%	7701	1262	6.1	2			1.0000E-04
18	13.257		2.6423	5.5557%	26423	2505	10.5	2			1.0000E-04
19	13.617		0.4979	1.0468%	4979	933	5.3	1			1.0000E-04
20	13.927		1.2345	2.5957%	12345	1732	7.1	1			1.0000E-04
21	14.203		0.0267	0.0561%	267	51	5.2	1			1.0000E-04
22	14.593		3.6324	7.6375%	36324	4032	9.0	2			1.0000E-04
23	14.723		3.2156	6.7612%	32156	4410	7.3	2			1.0000E-04
24	15.213		2.0075	4.2209%	20075	1949	10.3	2			1.0000E-04
25	15.420		0.4869	1.0239%	4869	783	6.2	2			1.0000E-04
26	15.893		0.0756	0.1589%	756	178	4.2	2			1.0000E-04
27	16.010		0.2041	0.4291%	2041	361	5.6	2			1.0000E-04
28	16.270		0.4457	0.9371%	4457	717	6.2	1			1.0000E-04
29	16.603		0.0175	0.0367%	175	53	3.3	1			1.0000E-04
30	16.903		0.7764	1.6324%	7764	1070	7.3	1			1.0000E-04
31	17.673		0.0552	0.1161%	552	106	5.2	1			1.0000E-04
32	18.287		0.0252	0.0531%	252	53	4.7	1			1.0000E-04
33	20.897	DBC	0.0990	0.2081%	19171	1880	10.2	1	33	0	5.1631E-06

TOTAL AMOUNT = 47.5598



4-30 Min Scale: 10 MV
Processed: 12-12-1991 09:11:58, segment 2, cycle 68
RAW DATA SAVED IN FILE D:RER168.PTS

EXTERNAL STANDARD TABLE

12-12-1991 09:13:22 Version 5.1

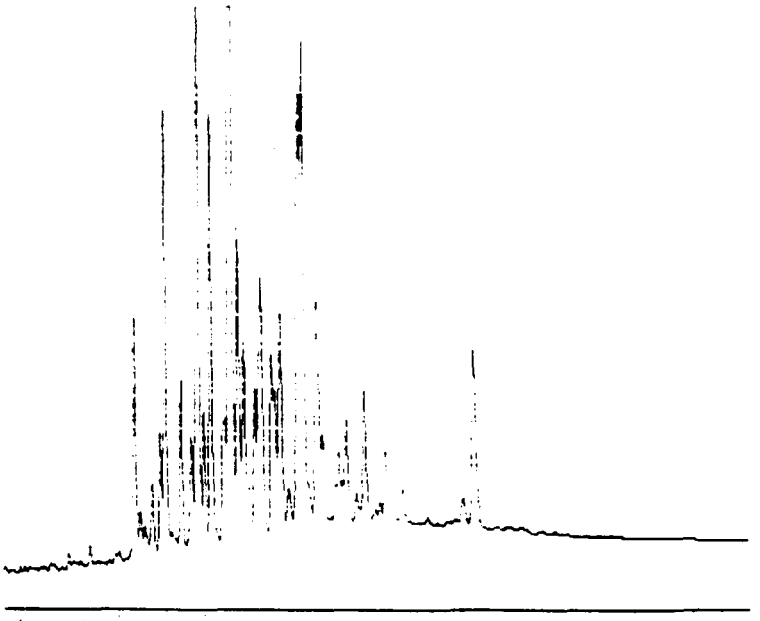
Sample Name: Sw-35 Data File: D:RER168
Date: 12-12-1991 17:40:17 Method: PCB 12-10-1991 10:25:02 # 24
Interface: 16 Cycle#: 68 Operator: JE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 0 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: ~~1.00~~ 2
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.370		0.0895	0.1095%	896	201	4.5	1			1.0000E-04
2	7.130		0.0251	0.0307%	251	78	3.2	1			1.0000E-04
3	8.730		2.4182	2.9557%	24182	4029	6.0	2			1.0000E-04
4	8.940		0.2416	0.2953%	2416	497	4.9	2			1.0000E-04
5	9.090		0.0272	0.0332%	272	92	3.0	1			1.0000E-04
6	9.347		0.5999	0.7333%	5999	984	6.1	1			1.0000E-04
7	9.637		1.0982	1.3422%	10982	1907	5.8	2			1.0000E-04
8	9.807		4.4934	5.4921%	44934	7152	6.3	2			1.0000E-04
9	10.303		1.6877	2.0628%	16877	2823	6.0	1			1.0000E-04
10	10.760		1.0243	1.2519%	10243	1576	6.5	2			1.0000E-04
11	10.993		7.1334	8.7189%	71334	8970	8.0	2			1.0000E-04
12	11.213		1.2121	1.4816%	12121	1981	6.1	2			1.0000E-04
13	11.457		4.2304	5.1706%	42304	6870	6.2	1			1.0000E-04
14	11.893		0.9253	1.1309%	9253	1831	5.1	2			1.0000E-04
15	11.957		1.0328	1.2623%	10328	1935	5.3	2			1.0000E-04
16	12.160		16.8253	20.5649%	168253	19598	8.6	2			1.0000E-04
17	12.440		3.7268	4.5551%	37268	5105	7.3	2			1.0000E-04
18	12.653		2.3587	2.8829%	23587	3081	7.7	2			1.0000E-04
19	12.807		0.4226	0.5165%	4226	715	5.9	2			1.0000E-04
20	13.027		1.4725	1.7990%	14725	2319	6.3	2			1.0000E-04
21	13.270		4.5490	5.5600%	45490	4195	10.8	2			1.0000E-04
22	13.630		1.9652	2.4020%	19652	2826	7.0	2			1.0000E-04
23	13.740		1.4000	1.7111%	14000	2128	6.6	2			1.0000E-04
24	13.943		2.9168	3.5651%	29168	3549	8.2	2			1.0000E-04
25	14.220		0.0454	0.0555%	454	83	5.5	1			1.0000E-04
26	14.610		6.1979	7.5754%	61979	6801	9.1	2			1.0000E-04
27	14.743		5.4408	6.6501%	54408	7449	7.3	2			1.0000E-04
28	15.230		3.6278	4.4341%	36278	3558	10.2	2			1.0000E-04
29	15.443		0.8705	1.0640%	8705	1317	6.6	2			1.0000E-04
30	15.913		0.1487	0.1818%	1487	329	4.5	2			1.0000E-04
31	16.033		0.4003	0.4893%	4003	684	5.9	2			1.0000E-04
32	16.293		0.7897	0.9653%	7898	1250	6.3	1			1.0000E-04
33	16.633		0.0420	0.0514%	420	96	4.9	1			1.0000E-04
34	16.930		1.3946	1.7046%	13946	1875	7.4	1			1.0000E-04
35	17.473		0.0189	0.0231%	189	54	3.5	1			1.0000E-04
36	17.703		0.7499	0.9166%	7499	956	7.8	1			1.0000E-04
37	18.323		0.0475	0.0580%	475	99	4.8	1			1.0000E-04
38	20.520		0.0378	0.0462%	378	57	6.6	1			1.0000E-04
39	20.950	DDC	0.1277	0.1561%	27107	2628	10.3	1	39	0	4.7109E-06

TOTAL AMOUNT = 81.8155



4-30 Min Scale: 10 Mv
sd-3 Processed: 12-12-1991 12:30:53, Segment 1, Cycle 2
RAW DATA SAVED IN FILE D:RER22.PTS

EXTERNAL STANDARD TABLE

12-12-1991 12:32:07 Version 5.1

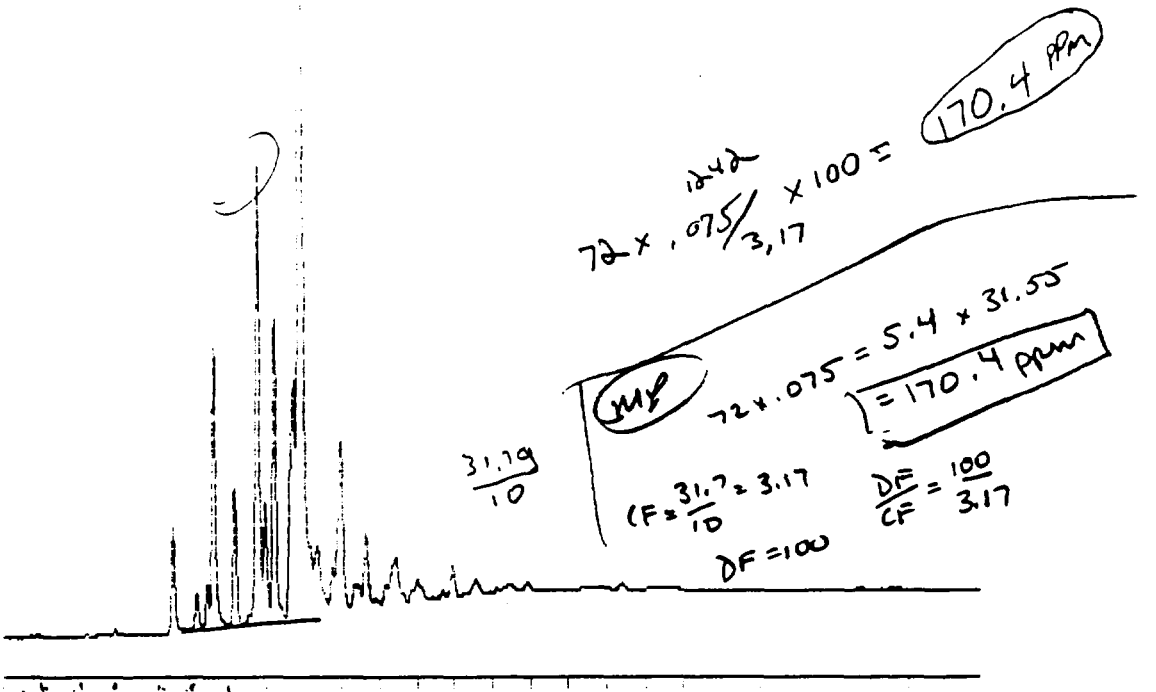
Sample Name: sd-β Data File: D:RER22
Date: 12-12-1991 12:31:13 Method: PCE 12-10-1991 10:24:22 # 24
Interface: 18 Cycle#: 2 Operator Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 3 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: ~~1.00~~ 100
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.270		0.0222	0.0266%	222	66	3.4	1			1.0000E-04
2	7.010		0.1307	0.1563%	1307	276	4.7	1			1.0000E-04
~~3~~	~~8.590~~		~~2.5119~~	~~3.0051%~~	~~25119~~	~~4163~~	~~6.0~~	~~2~~			~~1.0000E-04~~
4	8.797		0.2510	0.3003%	2510	513	4.9	2			1.0000E-04
5	8.947		0.0233	0.0279%	233	72	3.2	1			1.0000E-04
6	9.197		0.6362	0.7610%	6362	1040	6.1	1			1.0000E-04
7	9.480		1.1348	1.3576%	11348	1976	5.7	2			1.0000E-04
8	9.650		4.5474	5.4401%	45474	7229	6.3	2			1.0000E-04
9	10.217		1.7277	2.0669%	17277	2900	6.0	1			1.0000E-04
10	10.583		1.0682	1.2780%	10682	1688	6.3	2			1.0000E-04
11	10.813		7.1848	8.5954%	71848	9091	7.9	2			1.0000E-04
12	11.030		1.2468	1.4915%	12468	2070	6.0	2			1.0000E-04
13	11.270		4.2922	5.1348%	42922	6994	6.1	1			1.0000E-04
14	11.703		0.9140	1.0934%	9140	1911	4.8	2			1.0000E-04
15	11.760		1.0494	1.2555%	10494	2018	5.2	2			1.0000E-04
16	11.963		16.7891	20.0851%	167891	19772	8.5	2			1.0000E-04
17	12.237		3.7663	4.5057%	37663	5222	7.2	2			1.0000E-04
18	12.447		2.4547	2.9366%	24547	3207	7.7	2			1.0000E-04
19	12.597		0.4530	0.5419%	4530	766	5.9	2			1.0000E-04
20	12.817		1.5406	1.8430%	15406	2436	6.3	2			1.0000E-04
21	13.053		4.6870	5.6071%	46870	4341	10.8	2			1.0000E-04
22	13.410		1.9791	2.3676%	19791	2918	6.8	2			1.0000E-04
23	13.513		1.4482	1.7325%	14482	2260	6.4	2			1.0000E-04
24	13.713		2.9792	3.5640%	29792	3657	8.1	2			1.0000E-04
25	13.907		0.0516	0.0617%	516	105	4.9	1			1.0000E-04
26	14.370		6.3049	7.5427%	63049	6993	9.0	2			1.0000E-04
27	14.500		5.4921	6.5702%	54921	7618	7.2	2			1.0000E-04
28	14.983		3.6457	4.3614%	36457	3673	9.9	2			1.0000E-04
29	15.190		0.9011	1.0779%	9011	1357	6.6	2			1.0000E-04
30	15.660		0.1555	0.1861%	1555	356	4.4	2			1.0000E-04
31	15.773		0.4519	0.5406%	4519	742	6.1	2			1.0000E-04
32	16.030		0.8345	0.9984%	8345	1338	6.2	1			1.0000E-04
33	16.363		0.0416	0.0498%	416	94	4.4	1			1.0000E-04
34	16.653		1.4593	1.7458%	14593	2027	7.2	1			1.0000E-04
35	17.180		0.0225	0.0269%	225	57	3.9	1			1.0000E-04
36	17.397		0.9070	1.0851%	9070	1080	8.4	1			1.0000E-04
37	17.987		0.3134	0.3749%	3134	437	7.2	1			1.0000E-04
38	20.000		0.0383	0.0459%	383	48	7.9	1			1.0000E-04
39	20.487	DBC	0.1328	0.1589%	28514	2889	9.9	1	39	0	4.6570E-06

TOTAL AMOUNT = 83.5890



4-30 Min Scale: 10 MV
sd-4 Processed: 12-12-1991 13:07:45, segment 2, cycle 3
RAW DATA SAVED IN FILE D:RER23.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-12-1991 13:08:57 Version 5.1 **********

* Sample Name: sd-4 Data File: D:RER23 *
* Date: 12-12-1991 13:45:00 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 3 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: ~~1.00~~ 100
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.550		0.7411	2.8467%	7411	1261	5.9	1			1.0000E-04
2	9.163		0.2388	0.9172%	2388	422	5.7	1			1.0000E-04
3	9.437		0.2509	0.9638%	2509	474	5.3	2			1.0000E-04
4	9.607		2.2261	8.5507%	22261	3481	6.4	2			1.0000E-04
5	10.167		1.0059	3.8639%	10059	1682	6.0	1			1.0000E-04
6	10.770		3.7661	14.4657%	37661	5723	6.6	2			1.0000E-04
7	10.980		0.8334	3.2012%	8334	1354	6.2	2			1.0000E-04
8	11.217		2.2483	8.6359%	22483	3728	6.0	2			1.0000E-04
9	11.723		2.4392	9.3692%	24392	2757	8.8	2			1.0000E-04
10	11.920		9.9833	38.3466%	99833	11492	8.7	2			1.0000E-04
11	12.357		0.0312	0.1198%	312	56	5.6	1			1.0000E-04
12	12.767		0.0408	0.1567%	408	88	4.7	1			1.0000E-04
13	12.987		1.5430	5.9269%	15430	1899	8.1	1			1.0000E-04
14	13.353		0.0242	0.0928%	242	57	4.3	1			1.0000E-04
15	13.647		0.5396	2.0726%	5396	798	6.8	1			1.0000E-04
16	14.167		0.0202	0.0776%	202	42	4.8	1			1.0000E-04
17	14.443		0.0725	0.2787%	726	64	11.4	1			1.0000E-04
18	15.980		0.0297	0.1140%	297	68	4.4	1			1.0000E-04

TOTAL AMOUNT = 26.0344

MY 11.5 x .075 = .863 x 32.6 =

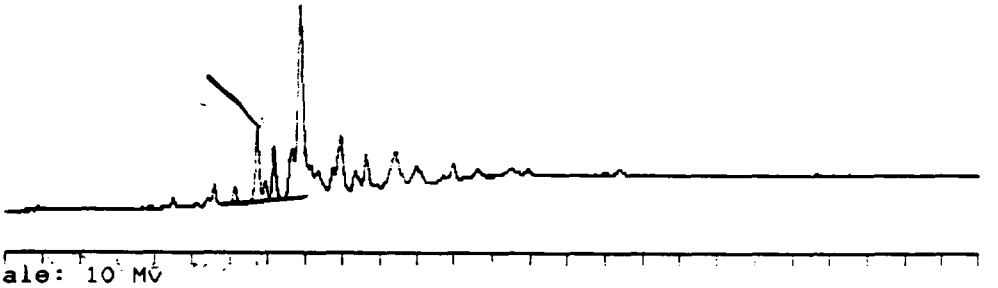
CF = 30.7/10 = 3.07 → 28.1

DF = 1000/10 = 100

DF/CF = 100/3.07 = 32.6

11.5 x .075/3.07 + 100 = 28.1 ppm

30.7g/10



4-30 Min Scale: 10 MV
sd-15 Processed: 12-12-1991 13:44:43, segment 3, cycle 4
RAW DATA SAVED IN FILE D:RER24.PTS

****** EXTERNAL STANDARD TABLE ******

********** 12-12-1991 13:45:55 Version 5.1 **********
* Sample Name: sd-15 Data File: D:RER24 *
* Date: 12-12-1991 14:58:59 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 4 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

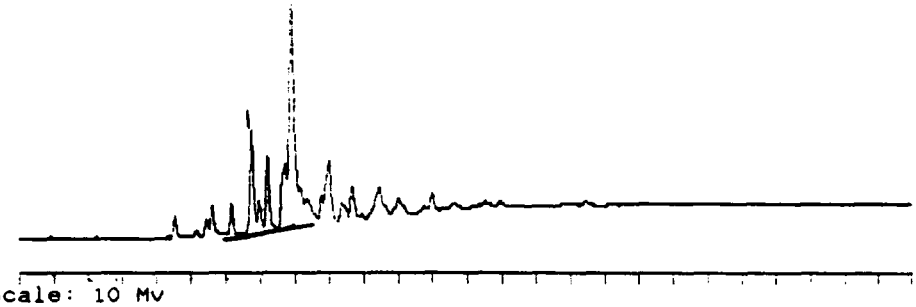
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: ~~100~~ 100
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.570		0.0251	0.6442%	251	70	3.6	1			1.0000E-04
2	10.123		0.0201	0.5150%	201	63	3.2	1			1.0000E-04
3	10.730		0.5742	14.7478%	5742	860	6.7	1			1.0000E-04
~~4~~	~~10.947~~		~~0.0128~~	~~0.3298%~~	~~128~~	~~41~~	~~3.1~~	~~1~~			~~1.0000E-04~~
5	11.180		0.3746	9.6208%	3746	625	6.0	1			1.0000E-04
6	11.687		0.3854	9.8996%	3854	469	8.2	2			1.0000E-04
7	11.897		1.9439	49.9283%	19439	2186	8.9	2			1.0000E-04
8	12.737		0.0314	0.8060%	314	77	4.1	1			1.0000E-04
9	12.963		0.4640	11.9179%	4640	543	8.6	1			1.0000E-04
10	13.330		0.0223	0.5733%	223	51	4.4	1			1.0000E-04
11	13.630		0.0396	1.0174%	396	91	4.3	1			1.0000E-04

TOTAL AMOUNT = 3.8933

18 + .075/3.38 ×100 = 39.9

33.89/10 = 3.38



4-30 Min Scale: 10 Mv
sd-16 Processed: 12-12-1991 14:21:20, segment 4, cycle 5
RAW DATA SAVED IN FILE D:RER25.PTS

EXTERNAL STANDARD TABLE

12-12-1991 14:22:33 Version 5.1

Sample Name: sd-16 Data File: D:RER25
Date: 12-12-1991 16:12:17 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 5 Operator Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: ~~1.00~~ 100
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.557		0.0275	0.4599%	275	81	3.4	1			1.0000E-04
2	9.447		0.0213	0.3552%	213	67	3.2	1			1.0000E-04
3	9.617		0.0274	0.4581%	274	88	3.1	1			1.0000E-04
4	10.180		0.2084	3.4814%	2084	383	5.4	1			1.0000E-04
5	10.780		0.9508	15.8848%	9508	1376	6.9	2			1.0000E-04
6	10.997		0.2040	3.4078%	2040	353	5.8	2			1.0000E-04
7	11.233		0.5736	9.5838%	5736	949	6.0	1			1.0000E-04
8	11.737		0.7199	12.0266%	7199	708	10.2	2			1.0000E-04
9	11.940		2.5716	42.9642%	25716	2861	9.0	2			1.0000E-04
10	12.780		0.0281	0.4688%	281	73	3.8	1			1.0000E-04
11	13.003		0.5894	9.8468%	5894	674	8.7	1			1.0000E-04
12	13.373		0.0268	0.4472%	268	59	4.5	1			1.0000E-04
13	13.673		0.0368	0.6153%	368	84	4.4	1			1.0000E-04

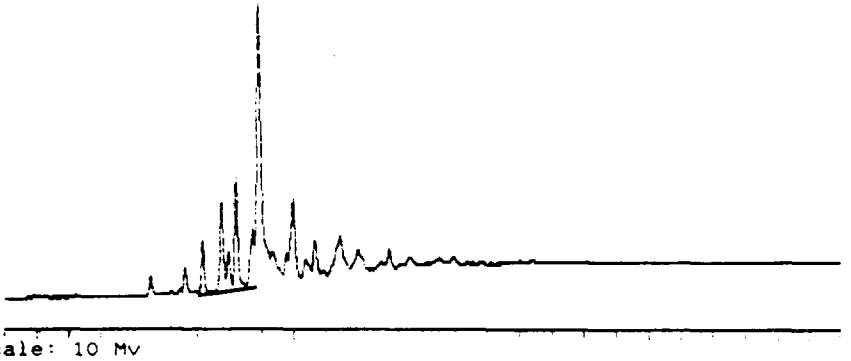
TOTAL AMOUNT = 5.9855

SEQUENCE RECORDED IN D:RE2.SEQ

16.X.062 = .992/3.38 X100 = 29.3 ppm

1242

16 X .075/3.38 X100 = 35.5 ppm



4-30 Min Scale: 10 Mv
sd-16d Processed: 12-12-1991 14:57:50, segment 5, cycle 6
RAW DATA SAVED IN FILE D:RER26.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-12-1991 14:59:03 Version 5.1 **********
* Sample Name: sd-16d Data File: D:RER26 *
* Date: 12-12-1991 17:25:17 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 6 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: ~~1.00~~ 100
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION IN PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.553		0.1053	1.4446%	1053	220	4.8	1			1.0000E-04
2	9.610		0.1514	2.0764%	1514	294	5.1	1			1.0000E-04
3	10.170		0.4256	5.8374%	4256	732	5.8	1			1.0000E-04
4	10.770		0.8260	11.3298%	8260	1221	6.8	2			1.0000E-04
5	10.980		0.2790	3.8270%	2790	478	5.8	2			1.0000E-04
6	11.217		0.9454	12.9679%	9454	1539	6.1	1			1.0000E-04
7	11.733		0.5043	6.9172%	5043	620	8.1	2			1.0000E-04
8	11.937		3.1284	42.9098%	31284	3790	8.3	2			1.0000E-04
9	12.770		0.0335	0.4592%	335	73	4.6	1			1.0000E-04
10	12.993		0.8025	11.0077%	8025	992	8.1	1			1.0000E-04
11	13.360		0.0247	0.3385%	247	50	5.0	1			1.0000E-04
12	13.667		0.0467	0.6408%	467	86	5.5	1			1.0000E-04
13	15.987		0.0178	0.2436%	178	51	3.5	1			1.0000E-04

TOTAL AMOUNT = 7.2906

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #8					
122*	1254	PCB	RER27	12/12/91 15:37:56	
123*	1242	PCB	RER28	12/12/91 16:14:22	
124*	1232	PCB	RER29	12/12/91 16:51:07	
125*	1016	PCB	RER210	12/12/91 17:27:55	
126	1248	PCB	RER211	12/12/91	Chromatogram lost due to printer failure (paper jame). Real time plot un-attainable. Rerun sample at #128
127*	1221, 1260	PCB	RER212	12/12/91 18:40:46	
128*	1248 RE	PCB	RER213	12/12/91 19:39:38	% difference of this calibration check is calculate at 16.6. We are going to run again at #129 to attempt to decrease value.
129	1248 RE	PCB	RER214	12/12/91	Miss~~[rerun at #130~~ 5/19/92

* = Samples used for Quantitative Analysis.

H182:13

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE (CONTINUED)

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #8 (CONTINUED)					
131	MTD BLK H_2O 12/9	PCB	RER216	12/13/91 11:28:54	
132	MTD BLK SOIL 12/9	PCB	RER217	12/13/91 12:05:28	
133*	SD-05	PCB	RER218	12/13/91 12:41:59	
134*	SD-35	PCB	RER219	12/13/91 13:18:37	
135	LS-01	PCB	RER220	12/13/91 13:55:19	
136	SW-17	PCB	RER221	12/13/91 14:32:00	
137	LS-03 (99)	PCB	RER222	12/13/91 15:08:39	
138*	SD-11	PCB	RER223	12/13/91 15:45:12	
139	SD-17	PCB	RER224	12/13/91 16:21:51	
140	LS-03 (99)	PCB	RER225	12/13/91 16:58:21	
	LS-02 (99)	PCB	RER226		Poon injection vol.; sample rerun at #141.
141	LS-31D	PCB	RER227	12/13/91 20:42:54	

* = Samples used for Quantitative Analysis.

H182:14

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE (CONTINUED)

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #8 (CONTINUED)					
142	LS-31 MS	PCB	RER228	12/13/91 21:42:54	
143	Mt BLue H_20 12/11	PCB	RER229	12/13/91 21:58:36	
144	Mt Blue SD 12/11	PCB	RER230	12/13/91 22:35:19	
145	LS-31	PCB	RER231	12/13/91 23:14:42	
146*	SW-35	PCB	RER232	12/13/91 23:49:15	250 ul 1 ml
147*	SW-5	PCB	RER233	12/14/91 25:43	250 ul 1 ml
148	SW-12	PCB	RER234	12/14/91 1:02:43	
149	SW-36	PCB	RER235	12/14/91 1:39:19	

* = Samples used for Quantitative Analysis.

H182:15

Do-1

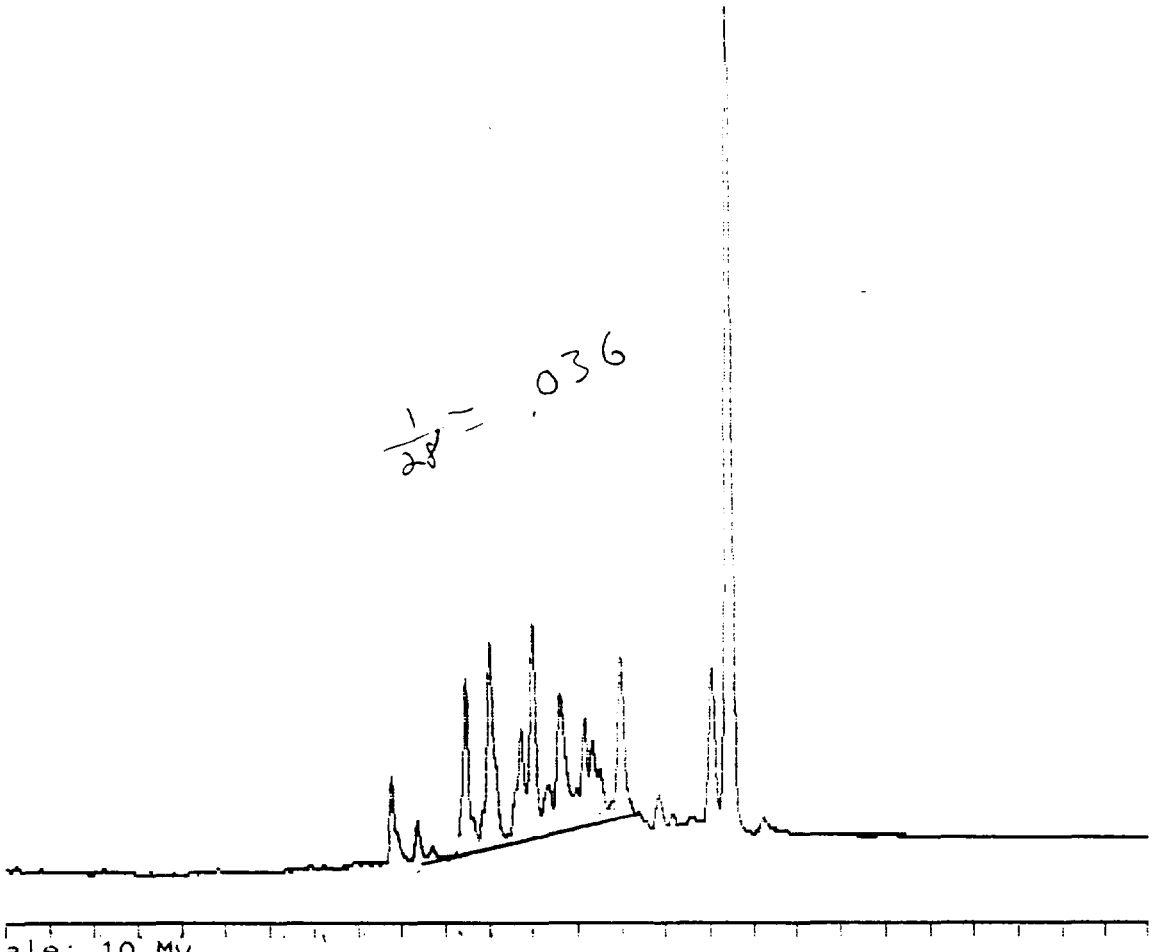
PESTICIDE AND PCB DAILY STANDARD CHECK

Calibration Dates: 12/04/91 Check Standard Date: 12/12/91

Instrument I.D.: GC B Analyst: ME #8

Compound	Calibration Avg. rf	Check Standard rf	% Difference
alpha-BHC			
gamma-BHC			
beta-BHC			
delta-BHC			
Heptachlor			
Aldrin			
Heptachlor epoxide			
Endosulfan I			
4-4'-DDE			
Dieldrin			
Endrin			
4-4'-DDD			
Endosulfan II			
4-4'-DDT			
Endrin Aldehyde			
Endosulfan Sulfate			
Methoxychlor			
DBC			
Toxaphene			
Chlordane			
Aroclor-1016 RT 10.88	.062	.067	8.1
Aroclor-1221 RT 7.14	.176	.167	5.1
Aroclor-1232 RT 9.78	.133	.133	0
Aroclor-1242 RT 10.82	.075	.071	5.3
Aroclor-1248 RT 12.05	.066	.077	16.7
Aroclor-1254 RT 15.04	.037	.036	2.7
Aroclor-1260 RT 18.23	.041	.044	7.3

% Difference must be <15 for EPA Methods 608 and SW-846 8080



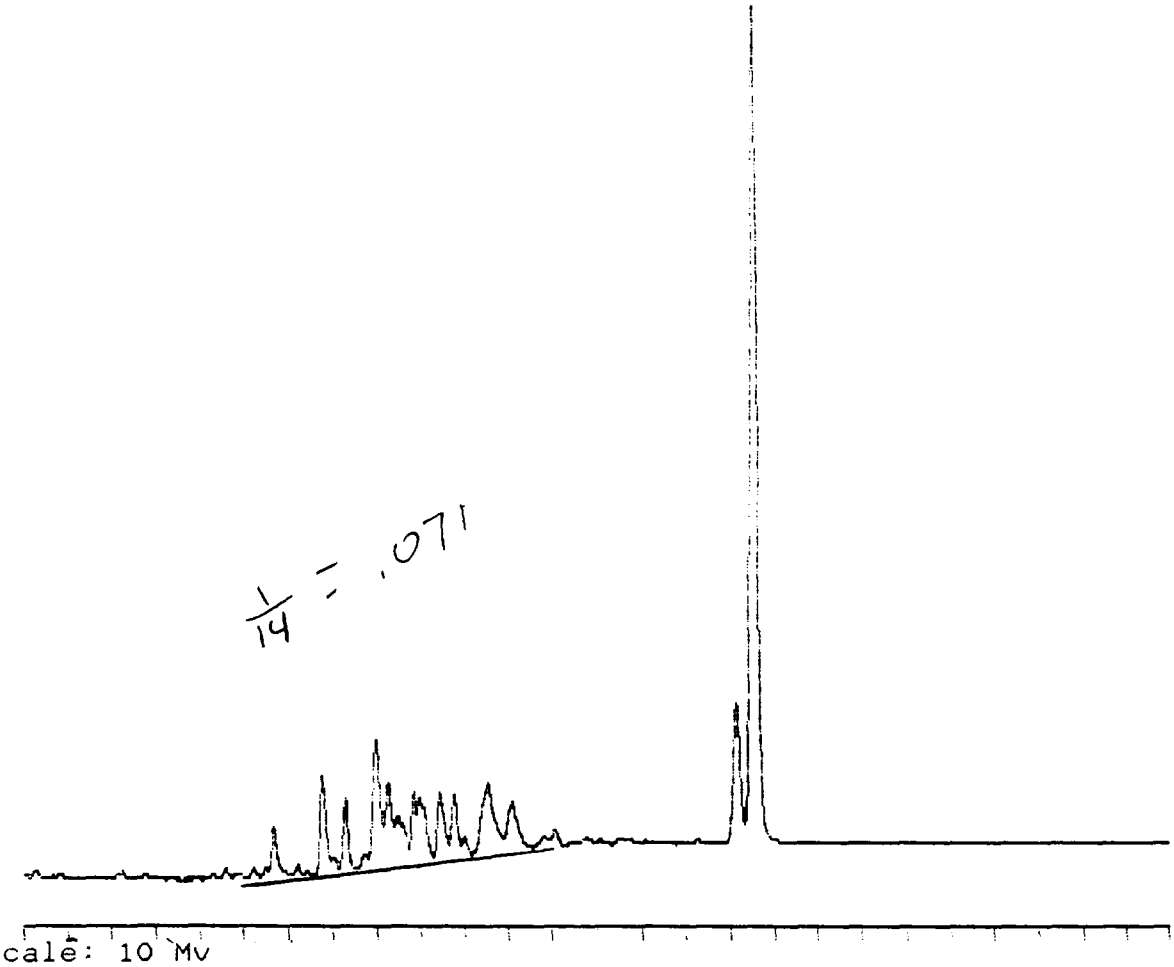
4-30 Min Scale: 10 MV
ck54 Processed: 12-12-1991 15:36:41, segment 6, cycle 7
RAW DATA SAVED IN FILE D:RER27.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-12-1991 15:37:56 Version 5.1 **********
* Sample Name: ck54 Data File: D:RER27 *
* Date: 12-12-1991 18:42:51 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 7 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	12.773		0.4441	3.7734%	4441	736	6.0	1			1.0000E-04
2	13.357		0.0366	0.3106%	366	92	4.0	1			1.0000E-04
3	14.470		1.2370	10.5105%	12370	1630	7.6	1			1.0000E-04



4-30 Min Scale: 10 Mv
ck42 Processed: 12-12-1991 16:13:08, segment 7, cycle 8
RAW DATA SAVED IN FILE D:RER28.PTS

EXTERNAL STANDARD TABLE

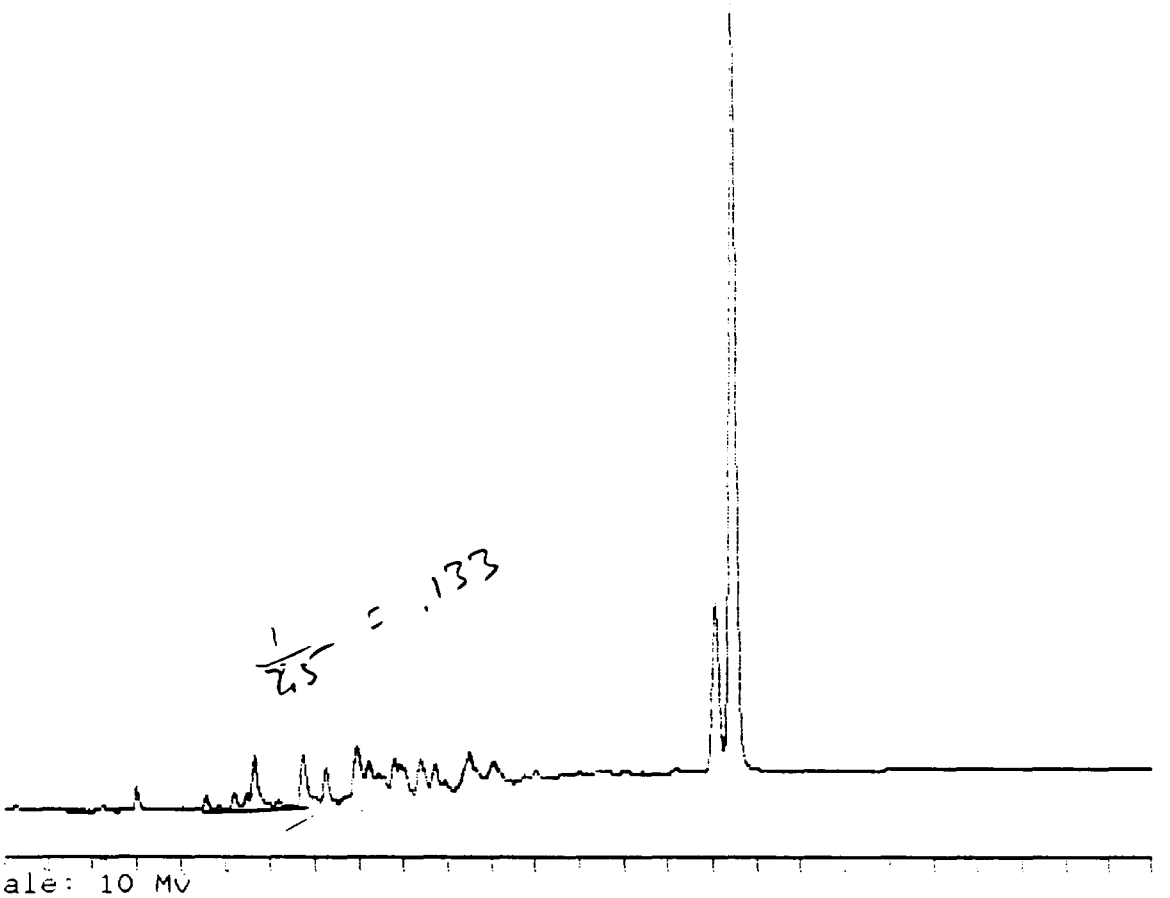
12-12-1991 16:14:22 Version 5.1

Sample Name: ck42 Data File: D:RER28
Date: 12-12-1991 19:55:46 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 8 Operator Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
mple Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.667		0.2324	4.3813%	2324	394	5.9	1			1.0000E-04
2	10.770		0.8103	15.2745%	8103	975	8.3	1			1.0000E-04

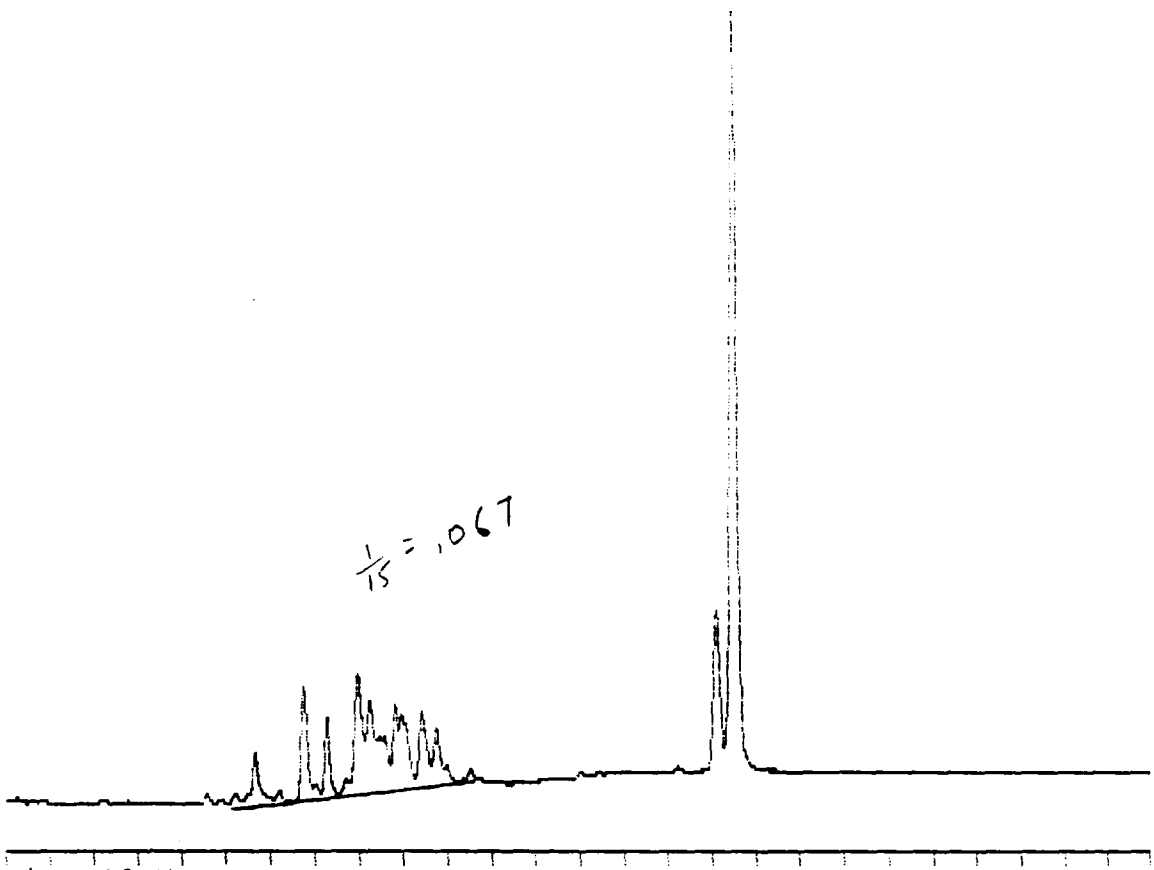


4-30 Min Scale: 10 MV
ck32 Processed: 12-12-1991 16:49:52, segment 8, cycle 9
RAW DATA SAVED IN FILE D:RER29.PTS

EXTERNAL STANDARD TABLE

********** 12-12-1991 16:51:07 Version 5.1 **********
* Sample Name: ck32 Data File: D:RER29 *
* Date: 12-12-1991 21:09:15 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 9 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
ple Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.993		0.0209	0.8348%	209	56	3.8	1			1.0000E-04
2	9.633		0.0453	1.8068%	453	109	4.2	1			1.0000E-04



4-30 Min Scale: 10 Mv
ck16 Processed: 12-12-1991 17:26:41, segment 9, cycle 10
RAW DATA SAVED IN FILE D:RER210.PTS

EXTERNAL STANDARD TABLE

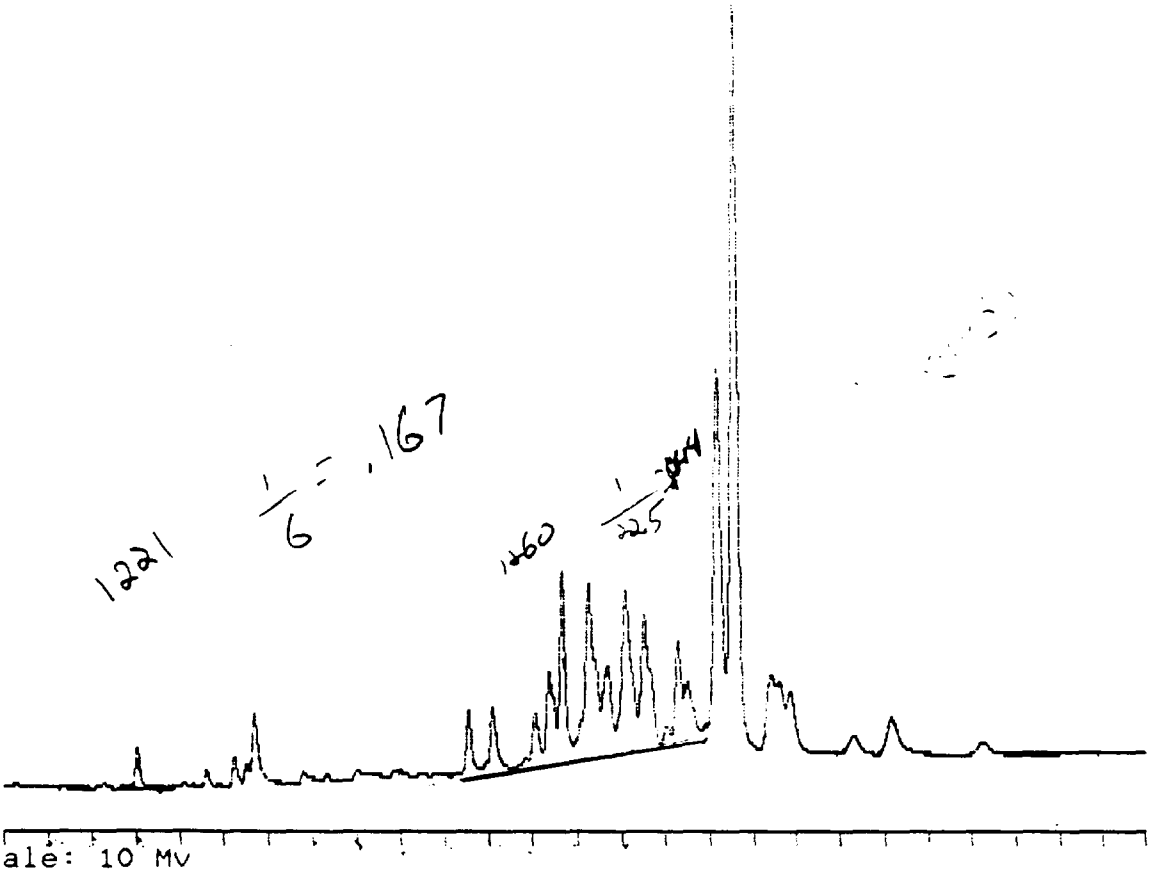
12-12-1991 17:27:55 Version 5.1

Sample Name: ck16 Data File: D:RER210
Date: 12-12-1991 22:22:51 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 10 Operator Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.653		0.2252	5.1583%	2252	374	6.0	1			1.0000E-04
2	10.753		0.9478	21.7062%	9478	1120	8.5	1			1.0000E-04
3	11.277		0.5065	11.5987%	5065	767	6.6	1			1.0000E-04



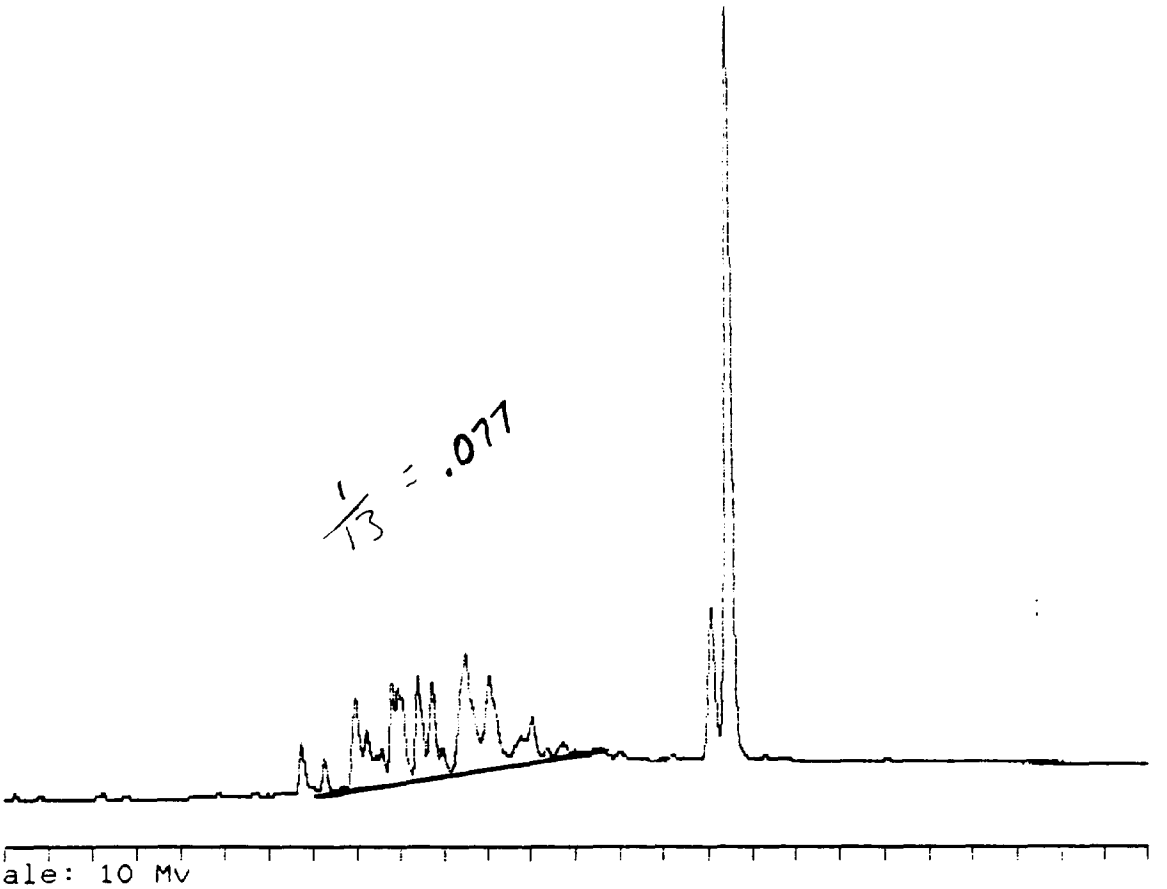
4-30 Min Scale: 10 Mv
ck21/60 Processed: 12-12-1991 18:39:24, segment 11, cycle 12
RAW DATA SAVED IN FILE D:RER212.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-12-1991 18:40:46 Version 5.1 **********
* Sample Name: ck21/60 Data File: D:RER212 *
* Date: 12-13-1991 00:48:20 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 12 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.023		0.1977	1.7338%	1977	370	5.3	1			1.0000E-04
2	8.607		0.0122	0.1066%	122	40	3.0	1			1.0000E-04
3	9.233		0.0333	0.2919%	333	80	4.2	1			1.0000E-04



30 Min Scale: 10 Mv
ck48re Processed: 12-12-1991 19:38:23, segment 1, cycle 13
RAW DATA SAVED IN FILE D:RER213.PTS

***** EXTERNAL STANDARD TABLE *****

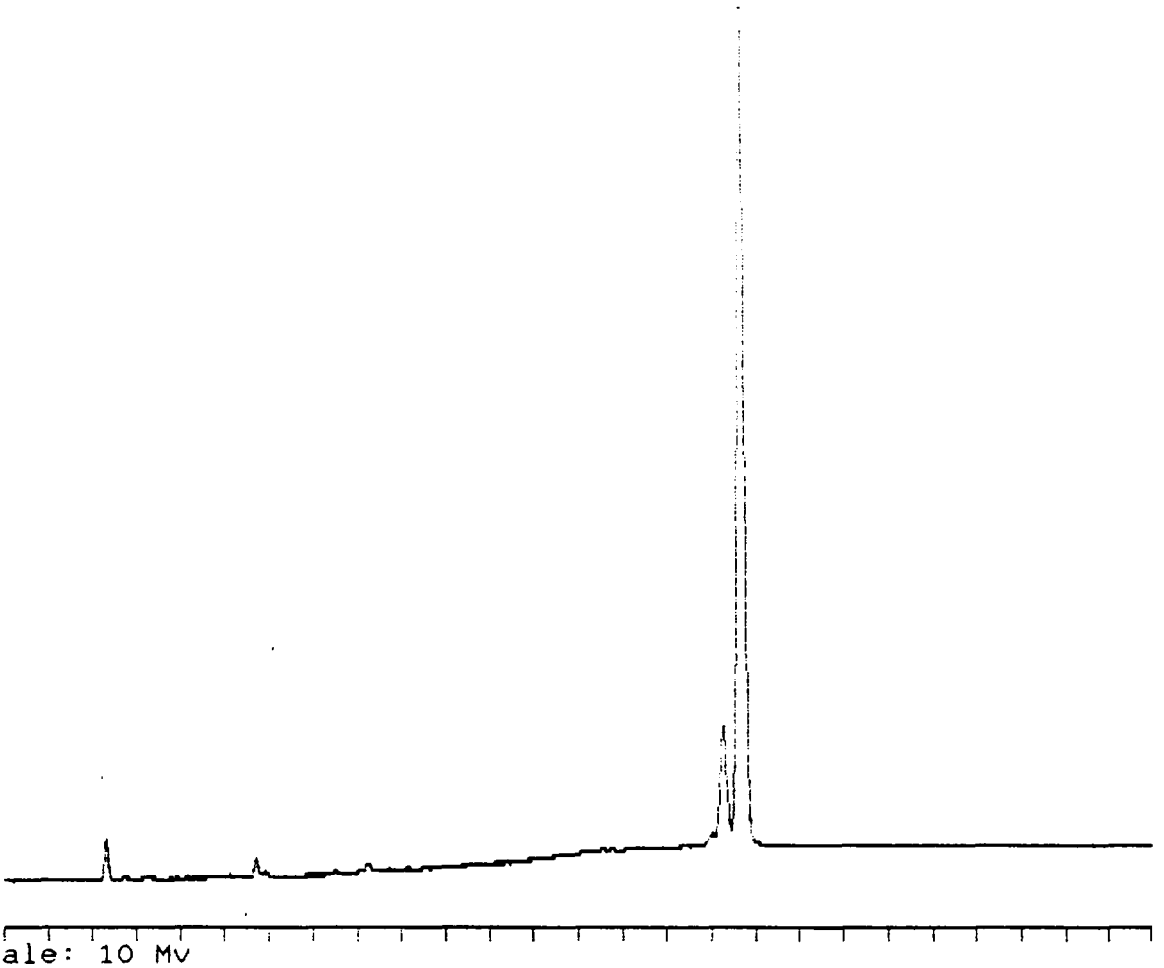
********** 12-12-1991 19:39:38 Version 5.1 **********

* Sample Name: ck48re Data File: D:RER213 *
* Date: 12-12-1991 19:39:14 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 13 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.740		0.3312	5.3232%	3312	463	7.1	1			1.0000E-04
	11.273		0.0331	0.5316%	331	70	4.7	1			1.0000E-04
3	11.973		0.7031	11.3001%	7031	759	9.3	1			1.0000E-04
4	12.240		0.0265	0.4262%	265	70	3.8	1			1.0000E-04
5	12.810		0.3959	6.3627%	3959	703	5.6	2			1.0000E-04
6	12.950		0.1003	1.6115%	1003	207	4.8	2			1.0000E-04
7	13.403		0.9498	15.2652%	9498	996	9.5	2			1.0000E-04
8	13.723		0.6643	10.6768%	6643	849	7.8	2			1.0000E-04



4-30 Min Scale: 10 Mv
nkH-9/1 Processed: 12-12-1991 11:27:46, segment 2, cycle 16
DATA SAVED IN FILE D:RER216.PTS

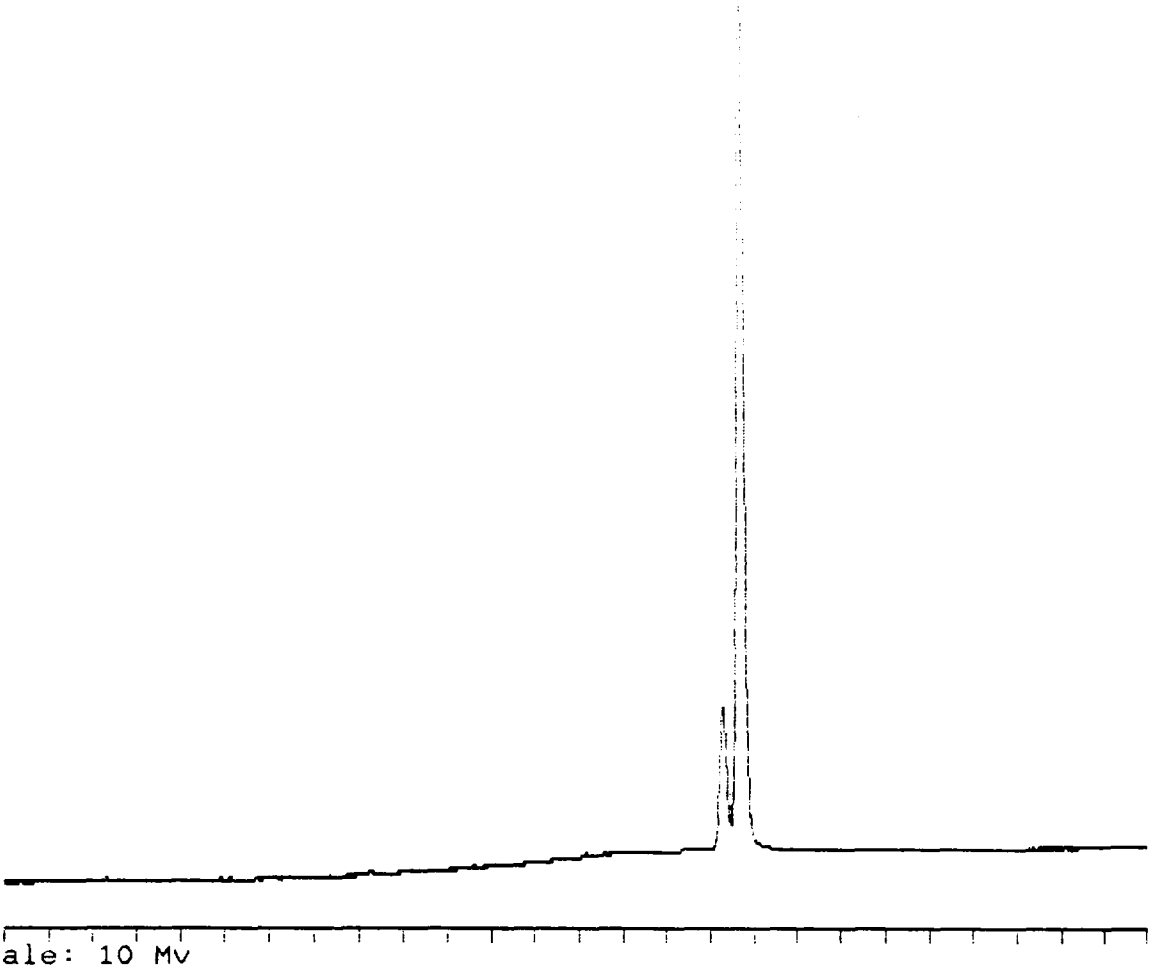
***** EXTERNAL STANDARD TABLE *****

********** 12-12-1991 11:28:54 Version 5.1 **********
* Sample Name: blankH-9/12 13 MB Data File: D:RER216 *
* Date: 12-12-1991 12:10:08 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 16 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.300		0.1929	11.0101%	1929	385	5.0	1			1.0000E-04
2	9.700		0.0123	0.6996%	123	47	2.6	1			1.0000E-04
	10.267		1.1522	65.7493%	11522	1187	9.7	2			1.0000E-04
	20.680	DBC	0.3950	22.5410%	100980	9651	10.5	2	4	0	3.9117E-06

TOTAL AMOUNT = 1.7524



4-30 Min Scale: 10 Mv
nks-9/1 Processed: 12-12-1991 12:04:23, segment 3, cycle 17
, DATA SAVED IN FILE D:RER217.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-~~12~~-1991 12:05:28 Version 5.1 **********
* Sample Name: blanks-9/12 13 (MF) Data File: D:RER217 *
* Date: 12-12-1991 13:23:21 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 17 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	20.293		1.5142	78.3855%	15142	1449	10.5	2			1.0000E-04
2	20.703	DBC	0.4175	21.6145%	107209	9913	10.8	2	2	0	3.8947E-06

TOTAL AMOUNT = 1.9318

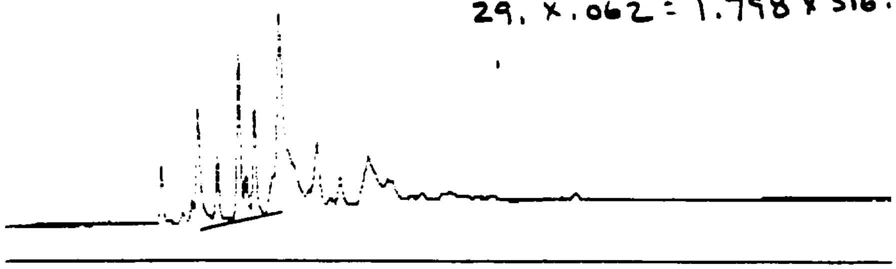
$29 \times .075 = 2.175 \times 316.5 = 688.4$

$CF = \frac{31.6}{10} = 3.16$

$DF = \frac{1000}{1} = 1000$

$\frac{DF}{CF} = \frac{1000}{3.16} = 316.5$

$29. \times .062 = 1.798 \times 316.5 = 567.$



```
4-30 Min  Scale: 10 Mv
SD-5 1UL   Processed: 12-12-1991 12:40:52, segment 4, cycle 18
RAW DATA SAVED IN FILE D:RER218.PTS

*****   EXTERNAL  STANDARD  TABLE   *****
******************** 12-12-1991 12:41:59 Version 5.1 *********************
* Sample Name: SD-5 1UL  13 MY                    Data File: D:RER218      *
* Date: 12-12-1991 14:36:28 Method: PCB  12-10-1991 10:26:32  #  24        *
* Interface: 16  Cycle#:  18  Operator DE  Channel#: 0   Vial#: N.A.       *
* Starting Peak Width:  2   Threshold: 5  Area Threshold: 10               *
****************************************************************************
* Instrument Type: TRACOR 540            Column Type: SPB-5                *
             Solvent Description:                                          *
* Conditions: pro #2                                                       *
*            Detector 0:                  Detector 1: FID                  *
* Misc. Information: 9 cc/min He                                           *
****************************************************************************
Starting Delay:    4.00                  Ending retention time:   30.00
Area reject:        10                   One sample per   0.200 sec.
Amount injected:          1.00           Dilution factor:       1.00
Sample weight:            1.00000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION IN PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.643		0.4234	5.7838%	4234	729	5.8	1			1.0000E-04
2	9.550		0.0248	0.3395%	249	73	3.4	1			1.0000E-04
3	9.727		0.9090	12.4183%	9090	1346	6.8	1			1.0000E-04
4	10.283		0.4620	6.3119%	4620	793	5.8	1			1.0000E-04
5	10.900		1.5941	21.7765%	15941	2290	7.0	2			1.0000E-04
6	11.117		0.3132	4.2788%	3132	492	6.4	2			1.0000E-04
7	11.353		0.8598	11.7462%	8598	1344	6.4	2			1.0000E-04
8	11.883		0.1199	1.6382%	1199	181	6.6	2			1.0000E-04
9	12.083		2.0406	27.8769%	20406	2173	9.4	2			1.0000E-04
10	13.157		0.5475	7.4798%	5475	671	8.2	1			1.0000E-04
11	13.817		0.0256	0.3501%	256	52	4.9	1			1.0000E-04

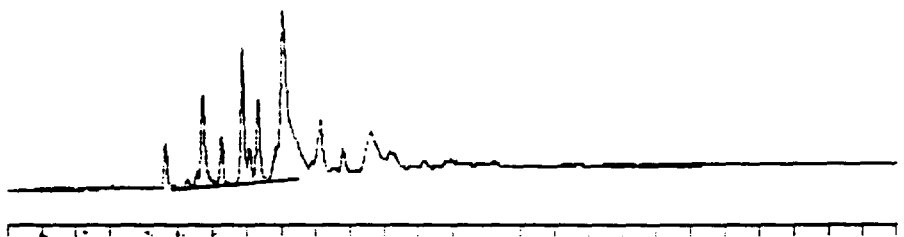
TOTAL AMOUNT = 7.3201

$CF = \frac{33.7}{10} = 3.37$

$DF = \frac{1000}{1} = 1000$

$23 \times .075 = 1.725 \times 296.7$ [1242 = 512.]

$23 \times .062 = 1.426 \times 296.7$ [1016 = 421.]



4-30 Min Scale: 10 Mv
SD-35 1UL Processed: 12-12-1991 13:17:30, segment 5, cycle 19
RAW DATA SAVED IN FILE D:RER219.PTS

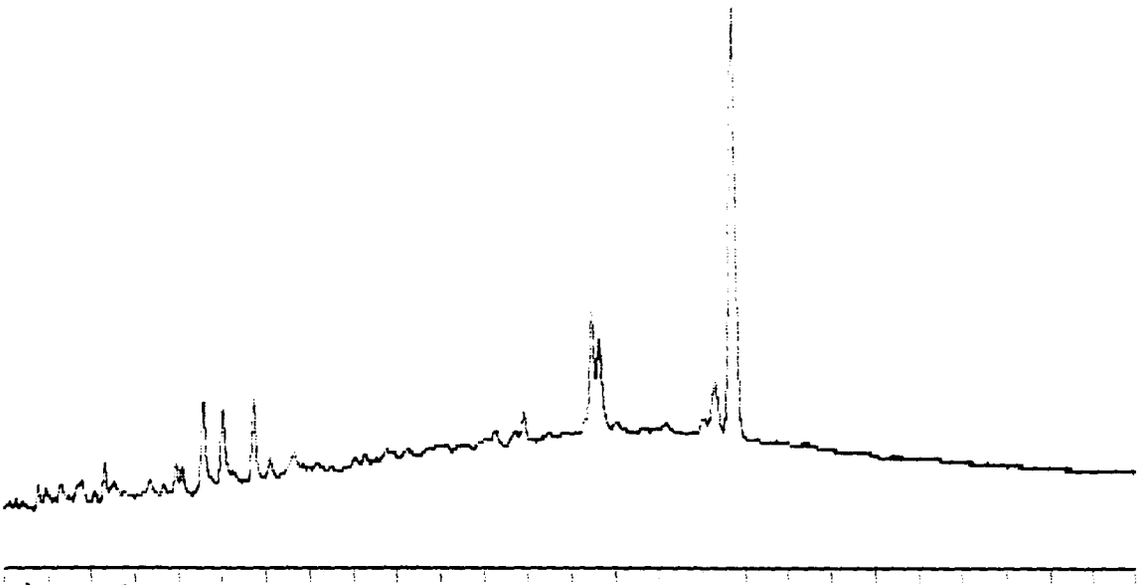
****** EXTERNAL STANDARD TABLE ******

********** 12-12-1991 13:18:37 Version 5.1 **********
* Sample Name: SD-35 1UL 13 (MP) Data File: D:RER219 *
* Date: 12-12-1991 15:49:45 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 19 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SP8-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.650		0.3097	5.1568%	3097	552	5.6	1			1.0000E-04
2	9.550		0.0147	0.2444%	147	39	3.7	1			1.0000E-04
3	9.723		0.7632	12.7073%	7632	1116	6.8	1			1.0000E-04
4	10.277		0.3749	6.2418%	3749	638	5.9	1			1.0000E-04
5	10.890		1.2399	20.6449%	12399	1820	6.8	2			1.0000E-04
6	11.100		0.2230	3.7134%	2230	377	5.9	2			1.0000E-04
7	11.340		0.6853	11.4104%	6853	1065	6.4	1			1.0000E-04
8	11.883		0.1033	1.7200%	1033	155	6.7	2			1.0000E-04
9	12.077		1.7763	29.5755%	17763	1822	9.7	2			1.0000E-04
10	13.143		0.4841	8.0611%	4842	581	8.3	1			1.0000E-04
11	13.803		0.0315	0.5245%	315	76	4.2	1			1.0000E-04

TOTAL AMOUNT = 6.0060



4-30 Min Scale: 10 Mv
LS-01SD Processed: 12-12-1991 13:54:08, segment 6, cycle 20
RAW DATA SAVED IN FILE D:RER220.PTS

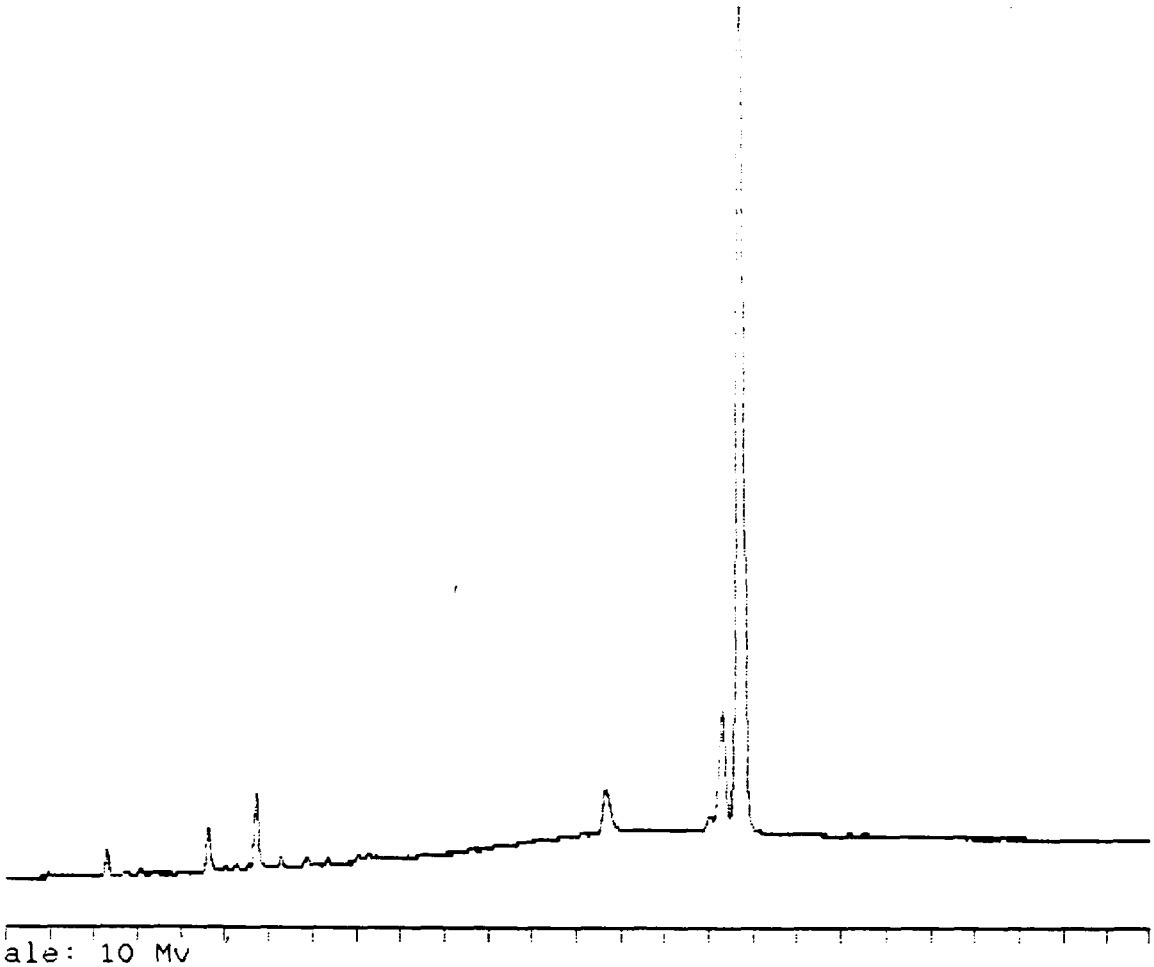
***** EXTERNAL STANDARD TABLE *****

********** 12-~~12~~-1991 ~~13~~:55:19 Version 5.1 **********
* Sample Name: LS-01SD 13 Data File: D:RER220 *
* Date: 12-12-1991 17:02:57 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 20 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
Instrument Type: TRACOR 540 Column Type: SPB-5 *
Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.773		0.0183	0.5318%	183	73	2.5	1			1.0000E-04
2	4.953		0.0132	0.3853%	132	50	2.7	1			1.0000E-04
3	5.297		0.0171	0.4986%	171	37	4.6	1			1.0000E-04
4	6.303		0.1601	4.6615%	1601	345	4.6	1			1.0000E-04
5	7.937		0.0284	0.8265%	284	70	4.0	1			1.0000E-04
6	8.080		0.0780	2.2716%	780	179	4.4	1			1.0000E-04
7	8.563		0.5385	15.6838%	5385	859	6.3	1			1.0000E-04
8	9.007		0.4104	11.9528%	4104	696	5.9	1			1.0000E-04
9	9.713		0.4763	13.8703%	4763	816	5.8	1			1.0000E-04
~~10~~	~~10.090~~		~~0.0129~~	~~0.3751%~~	~~129~~	~~46~~	~~2.8~~	~~1~~			~~1.0000E-04~~
11	15.900		0.0289	0.8428%	289	76	3.8	1			1.0000E-04
12	17.470		0.7958	23.1767%	7958	1143	7.0	2			1.0000E-04
	17.630		0.6122	17.8298%	6122	815	7.5	2			1.0000E-04
	20.287		0.0418	1.2174%	418	58	7.2	1			1.0000E-04
15	20.703	DBC	0.2018	5.8758%	47574	4633	10.3	1	15	0	4.2409E-06

TOTAL AMOUNT = 3.4337



4-30 Min Scale: 10 Mv
-17 Processed: 12-12-1991 14:30:50, segment 7, cycle 21
, DATA SAVED IN FILE D:RER221.PTS

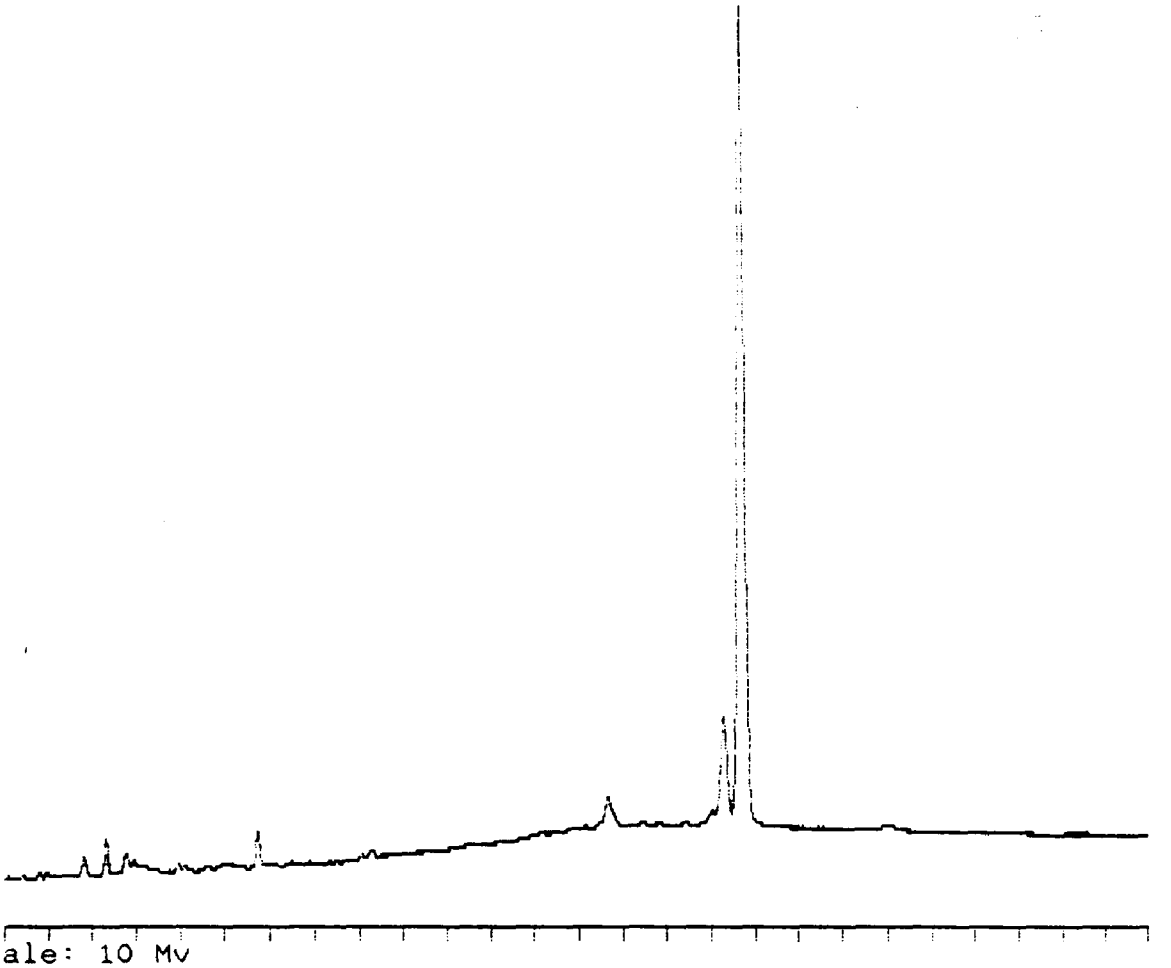
EXTERNAL STANDARD TABLE

********** 12-~~12~~-1991 14:32:00 Version 5.1 **********
* Sample Name: SW-17 13 MP Data File: D:RER221 *
* Date: 12-12-1991 18:16:16 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 21 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.297		0.0994	4.6425%	994	224	4.4	1			1.0000E-04
2	8.640		0.0322	1.5036%	322	97	3.3	1			1.0000E-04
	9.713		0.4573	21.3669%	4573	769	5.9	1			1.0000E-04
	17.657		0.0445	2.0811%	445	65	6.8	1			1.0000E-04
5	20.280		1.1075	51.7458%	11075	1161	9.5	2			1.0000E-04
6	20.703	DBC	0.3994	18.6602%	102185	9814	10.4	2	6	0	3.9083E-06

TOTAL AMOUNT = 2.1402



4-30 Min Scale: 10 MV
-03(AQ) Processed: 12-12-1991 15:07:29, segment 8, cycle 22
DATA SAVED IN FILE D:RER222.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-12-1991 15:08:39 Version 5.1 **********
* Sample Name: LS-03(AQ) 13 MT Data File: D:RER222 *
* Date: 12-12-1991 19:29:34 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 22 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	5.797		0.0159	0.9010%	159	57	2.8	1			1.0000E-04
2	6.313		0.1642	9.2833%	1642	343	4.8	1			1.0000E-04
	6.753		0.0144	0.8117%	144	40	3.6	1			1.0000E-04
.	9.720		0.1813	10.2465%	1813	338	5.4	1			1.0000E-04
5	17.650		0.0244	1.3786%	244	42	5.8	1			1.0000E-04
6	20.277		0.9967	56.3385%	9967	1044	9.5	2			1.0000E-04
7	20.700	DBC	0.3722	21.0404%	94689	9080	10.4	2	7	0	3.9312E-06

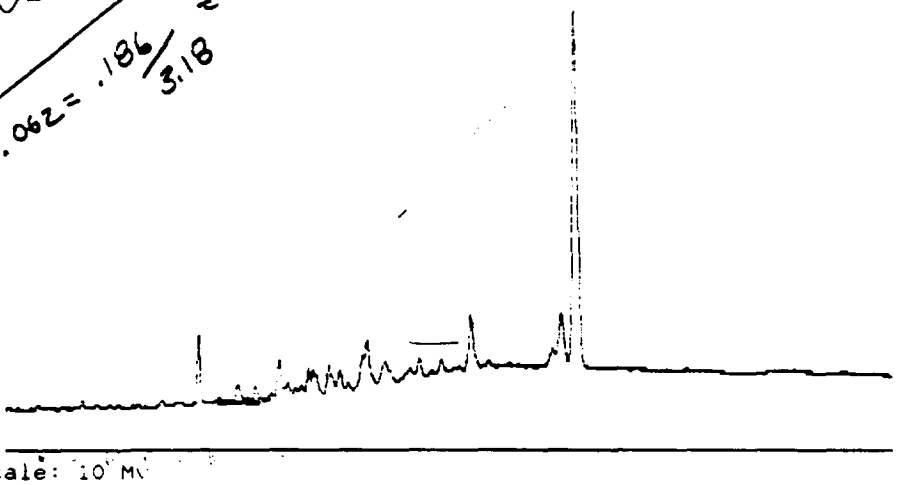
TOTAL AMOUNT = 1.7692

3 x .075 = .225 / 3.18 = .011

CF = 31.8 / 10 = 3.18

N.F

3 x .062 = .186 / 3.18 = .058



4-30 Min Scale: 10 MV
SD-11 Processed: 12-12-1991 15:44:03, segment 9, cycle 23
RAW DATA SAVED IN FILE D:RER223.PTS

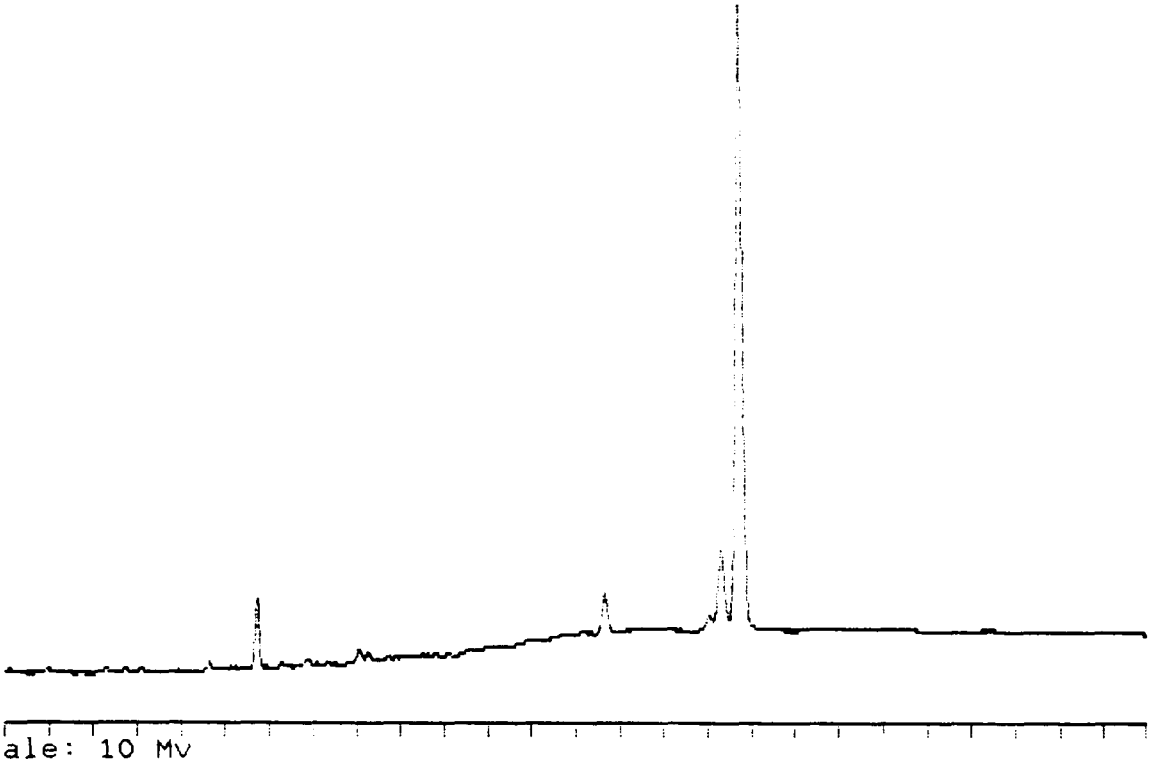
****** EXTERNAL STANDARD TABLE ******

********** 12-12-1991 15:45:12 Version 5.1 **********
* Sample Name: SD-11 Data File: D:RER223 *
* Date: 12-12-1991 20:42:48 Method: PCE 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 23 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.687		0.5431	35.3716%	5431	928	5.9	1			1.0000E-04
2	10.803		0.0179	1.1672%	179	42	4.2	1			1.0000E-04
3	11.330		0.0173	1.1242%	173	41	4.2	1			1.0000E-04
4	12.030		0.0436	2.8372%	436	73	6.0	1			1.0000E-04
5	12.877		0.0271	1.7651%	271	74	3.7	1			1.0000E-04
6	13.020		0.0090	0.5869%	90	33	2.7	1			1.0000E-04
7	13.470		0.0481	3.1355%	481	112	4.3	1			1.0000E-04
8	13.793		0.0103	0.6722%	103	39	2.7	1			1.0000E-04
9	14.470		0.1443	9.4010%	1443	286	5.0	2			1.0000E-04
10	14.587		0.3399	22.1420%	3399	501	6.8	2			1.0000E-04
11	16.120		0.0142	0.9262%	142	46	3.1	1			1.0000E-04
12	17.800		0.0507	3.2997%	507	112	4.5	1			1.0000E-04
13	20.253		0.0549	3.5772%	549	75	7.4	1			1.0000E-04
14	23.677	DEC	0.2148	13.9940%	51192	4968	10.3	1	14	0	4.1969E-06

TOTAL AMOUNT = 1.5353



4-30 Min Scale: 10 Mv
17 Processed: 12-12-1991 16:20:42, segment 10, cycle 24
DATA SAVED IN FILE D:RER224.PTS

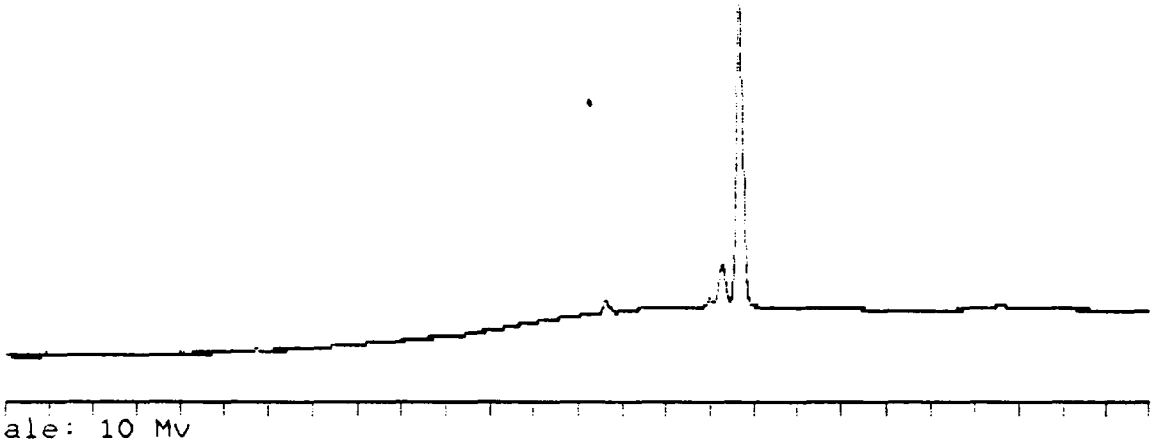
EXTERNAL STANDARD TABLE

********** 12-12-1991 16:21:51 Version 5.1 **********
* Sample Name: SD-17 13 (MH) Data File: D:RER224 *
* Date: 12-12-1991 21:56:05 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 24 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.710		0.4365	30.7802%	4365	756	5.8	1			1.0000E-04
2	17.637		0.0349	2.4638%	349	67	5.2	1			1.0000E-04
	20.283		0.6681	47.1077%	6681	745	9.0	1			1.0000E-04
	20.700	DBC	0.2786	19.6483%	68822	6718	10.2	1	4	0	4.0488E-06

TOTAL AMOUNT = 1.4182



4-30 Min Scale: 10 Mv
-03(SD) Processed: 12-12-1991 16:57:15, segment 11, cycle 25
J DATA SAVED IN FILE D:RER225.PTS

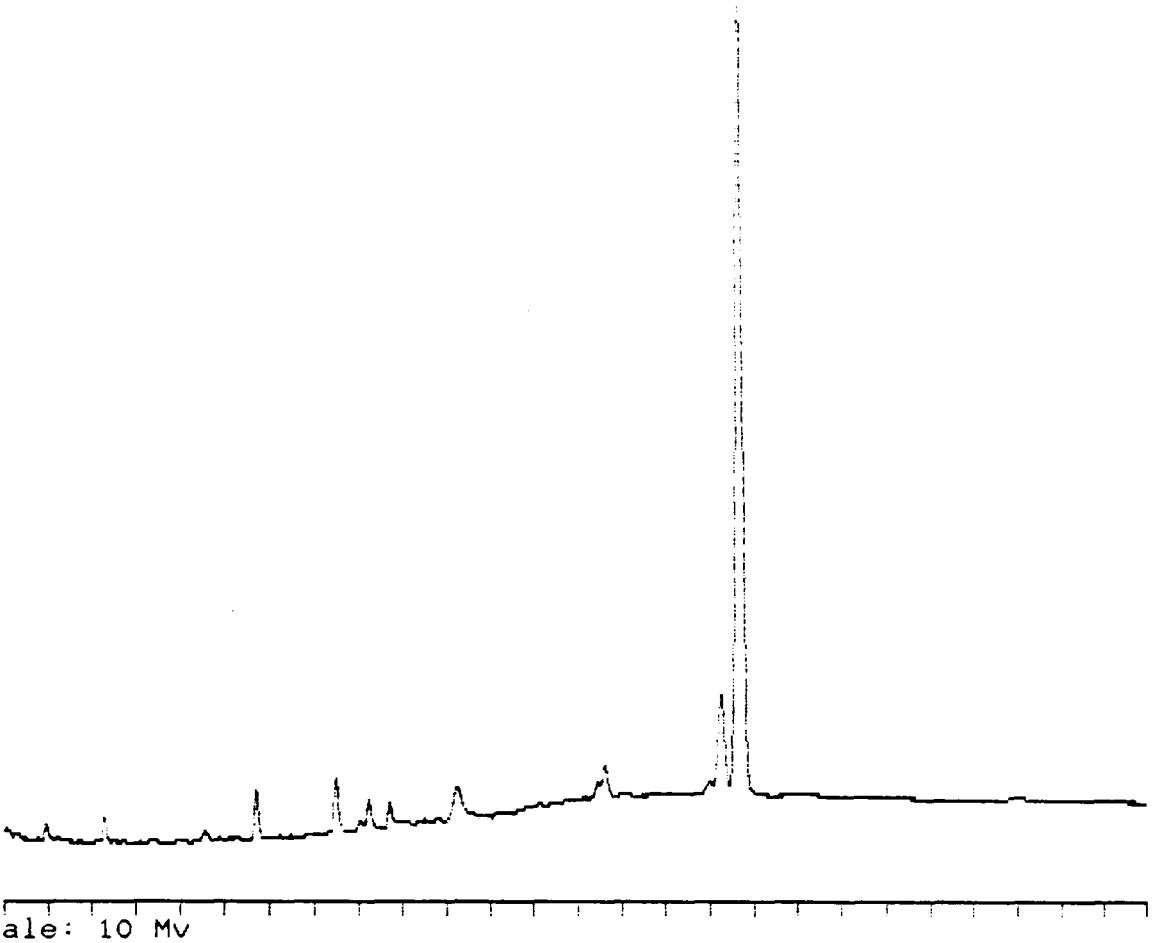
***** EXTERNAL STANDARD TABLE *****

********** 12-12-1991 16:58:21 Version 5.1 **********
* Sample Name: LS-03(SD) Data File: D:RER225 *
* Date: 12-12-1991 23:09:15 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 25 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	20.270		0.0426	21.9942%	426	57	7.5	1			1.0000E-04
2	20.680	DBC	0.1510	78.0058%	33551	3309	10.1	1	2	0	4.5011E-06

TOTAL AMOUNT = 0.1936



4-30 Min Scale: 10 Mv
~~92(110)~~ Processed: 12-12-1991 20:41:46, segment 2, cycle 27
DATA SAVED IN FILE D:RER227.PTS

EXTERNAL STANDARD TABLE

********** 12-12-1991 20:42:54 Version 5.1 **********
* Sample Name: LS-~~92(AR1254)~~ ~~LS-02(04)~~ LS-31 D Sed Data File: D:RER227 *
* Date: 12-12-1991 21:19:35 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 27 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

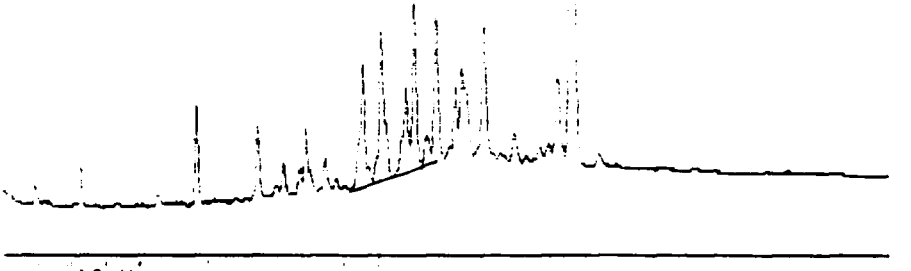
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.960		0.0163	0.7865%	163	51	3.2	1			1.0000E-04
2	6.300		0.1031	4.9892%	1032	227	4.5	1			1.0000E-04
	9.713		0.2783	13.4610%	2783	498	5.6	1			1.0000E-04
	11.500		0.3233	15.6386%	3233	540	6.0	1			1.0000E-04
5	12.253		0.0247	1.1947%	247	62	4.0	1			1.0000E-04
6	12.727		0.0267	1.2895%	267	64	4.2	1			1.0000E-04
7	17.623		0.0265	1.2808%	265	67	4.0	1			1.0000E-04
8	20.267		0.9162	44.3179%	9162	991	9.2	2			1.0000E-04
9	20.683	DBC	0.3523	17.0417%	89185	8617	10.3	2	9	0	3.9505E-06

25 x .37 = .93

93% Rec

1/.93



4-30 Min Scale: 10 MV
~~LS-10~~ Processed: 12-12-1991 21:22:07, segment 3, cycle 28
RAW DATA SAVED IN FILE D:RER228.FTS

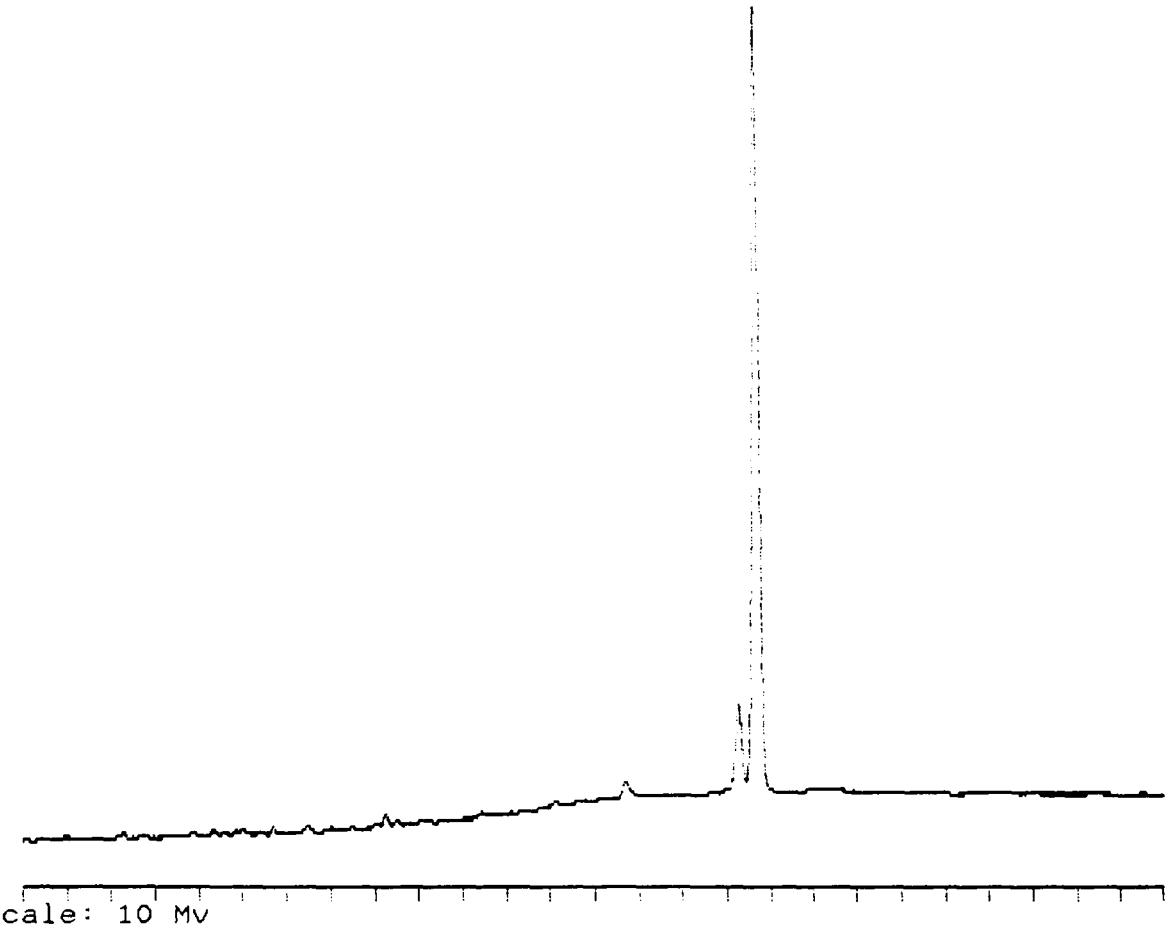
EXTERNAL STANDARD TABLE

********** 12-12-1991 21:23:16 Version 5.1 **********
* Sample Name: LS-31SPK 13 ug/L Data File: D:RER228 *
* Date: 12-12-1991 22:36:37 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 28 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.933		0.0700	0.5674%	700	175	4.0	1			1.0000E-04
2	6.277		0.2516	2.0383%	2516	489	5.1	1			1.0000E-04
3	9.683		0.7822	6.3382%	7822	1319	5.9	1			1.0000E-04
4	11.477		0.5766	4.6717%	5766	914	6.3	1			1.0000E-04
5	12.237		0.0341	0.2766%	341	76	4.5	1			1.0000E-04
6	12.710		0.1317	1.0672%	1317	252	5.2	2			1.0000E-04
7	12.887		0.3656	2.9620%	3656	662	5.5	2			1.0000E-04
8	13.477		0.2108	1.7082%	2108	363	5.8	1			1.0000E-04
9	14.597		1.3139	10.6460%	13139	1498	8.8	1			1.0000E-04
10	14.997		0.0469	0.3798%	469	101	4.7	2			1.0000E-04
11	15.147		0.9695	7.8558%	9695	1522	6.4	2			1.0000E-04
12	15.743		0.1982	1.6063%	1982	452	4.4	2			1.0000E-04
13	15.870		0.8212	6.6538%	8212	1108	7.4	2			1.0000E-04
14	16.127		1.7380	14.0826%	17380	2374	7.3	2			1.0000E-04
15	16.477		0.0671	0.5440%	671	72	9.3	1			1.0000E-04
16	16.747		1.5850	12.8424%	15850	1938	8.2	1			1.0000E-04
17	17.293		0.4140	3.3548%	4140	740	5.6	1			1.0000E-04
18	17.493		0.0678	0.5492%	678	123	5.5	1			1.0000E-04
19	18.127		1.4324	11.6065%	14324	1744	8.2	1			1.0000E-04
20	19.010		0.0292	0.2366%	292	51	5.7	1			1.0000E-04
21	20.250		0.9446	7.6540%	9446	1052	9.0	1			1.0000E-04
22	20.667	OBC	0.2911	2.3586%	72261	7069	10.2	1	22	0	4.0283E-06

TOTAL AMOUNT = 12.3416



4-30 Min Scale: 10 Mv
-H2O-12 Processed: 12-12-1991 21:57:30, segment 4, cycle 29
DATA SAVED IN FILE D:RER229.PTS

********* EXTERNAL STANDARD TABLE *********

********** 12-12-1991 21:58:36 Version 5.1 **********

* Sample Name: BLK-H2O-12/11 13MX Data File: D:RER229 *

* Date: 12-12-1991 23:51:06 Method: PCB 12-10-1991 10:26:32 # 24 *

* Interface: 16 Cycle#: 29 Operator DE Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *

* Solvent Description: *

* Conditions: pro #2 *

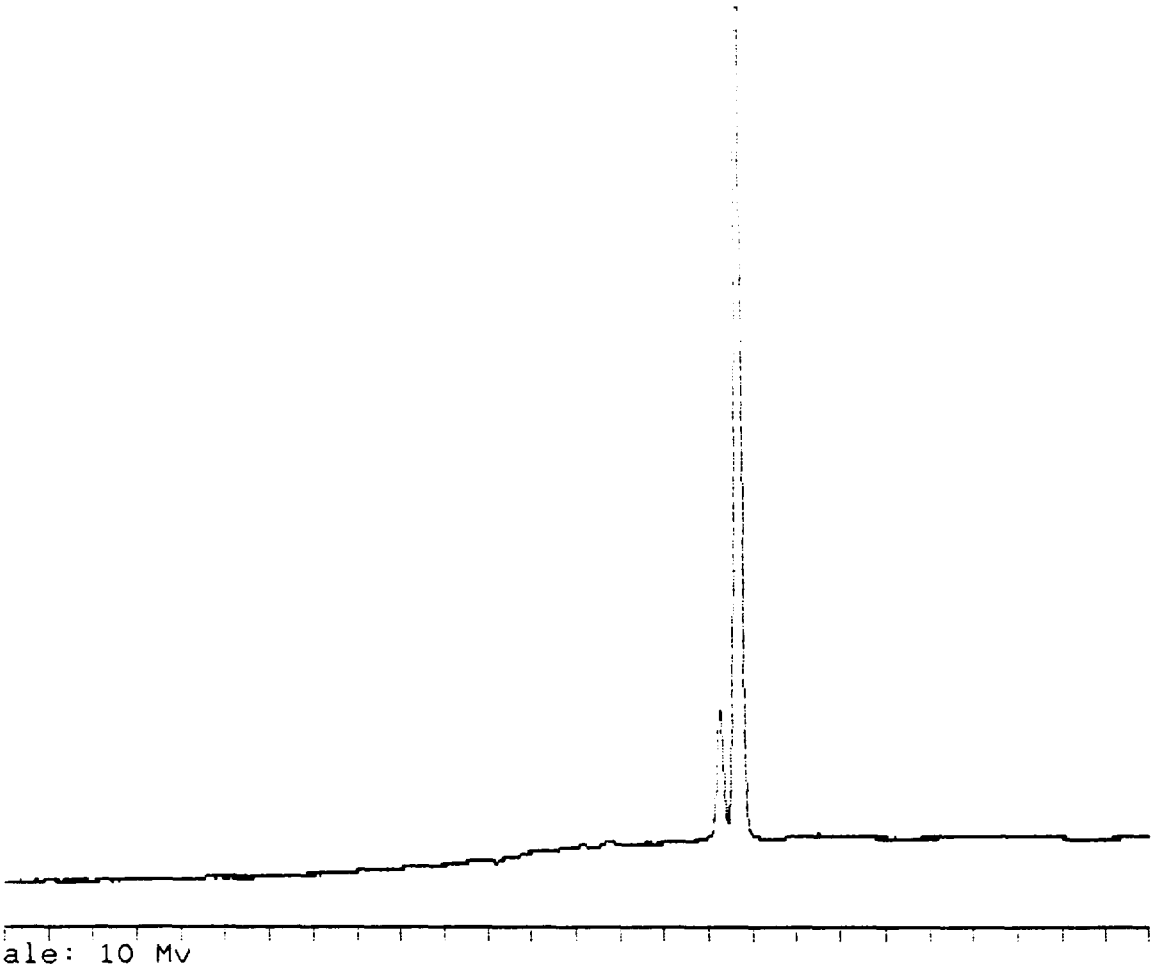
* Detector 0: Detector 1: FID *

* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	20.257		0.0641	15.6710%	641	98	6.6	1			1.0000E-04
2	20.673	DBC	0.3447	84.3290%	87083	8480	10.3	1	2	0	3.9585E-06

TOTAL AMOUNT = 0.4088



4-30 Min Scale: 10 Mv
"-S12/11 Processed: 12-12-1991 22:34:13, segment 5, cycle 30
DATA SAVED IN FILE D:RER230.PTS

********** EXTERNAL STANDARD TABLE **********

********** 12-12-1991 22:35:19 Version 5.1 **********

* Sample Name: BLK-S12/11 Data File: D:RER230 *

* Date: 12-13-1991 01:04:32 Method: PCB 12-10-1991 10:26:32 # 24 *

* Interface: 16 Cycle#: 30 Operator DE Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *

* Solvent Description: *

* Conditions: pro #2 *

* Detector 0: Detector 1: FID *

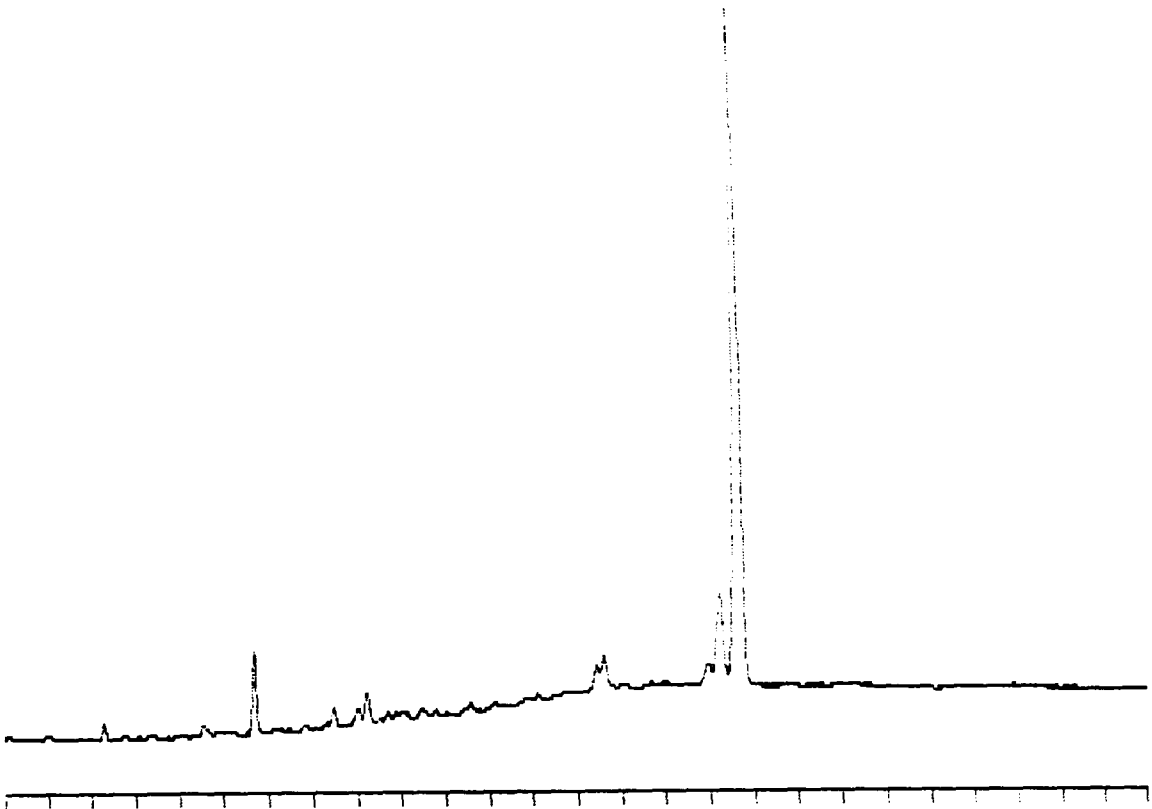
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	20.257		1.2844	75.4585%	12844	1322	9.7	2			1.0000E-04
2	20.677	DBC	0.4177	24.5415%	107255	10337	10.4	2	2	0	3.8946E-06

TOTAL AMOUNT = 1.7021

EQUENCE RECORDED IN D:RE2.SEQ



O Min Scale: 10 Mv
31 Processed: 12-12-1991 23:13:33, segment 6, cycle 31
RAW DATA SAVED IN FILE D:RER231.PTS

EXTERNAL STANDARD TABLE

12-12-1991 23:14:42 Version 5.1

Sample Name: LS-31 SD 13 (MV) Data File: D:RER231

Date: 12-13-1991 02:20:38 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 31 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00
Area reject: 10
Amount injected: 1.00
Sample Weight: 1.00000

Ending retention time: 30.00
One sample per 0.200 sec.
Dilution factor: 1.00

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.677		0.4875	30.9414%	4875	842	5.8	1			1.0000E-04
	.220		0.0239	1.5143%	239	55	4.4	1			1.0000E-04
	..423		0.0214	1.3595%	214	45	4.8	1			1.0000E-04
4	20.207		0.7462	47.3584%	7462	824	9.1	1			1.0000E-04
5	20.620	DBC	0.2966	18.8264%	73793	7196	10.3	1	5	0	4.0198E-06

TOTAL AMOUNT = 1.5756

MC 1242

50 x .075 = 3.75 x .04 =

.15 ppm

$= \frac{1000}{PC} = 100$

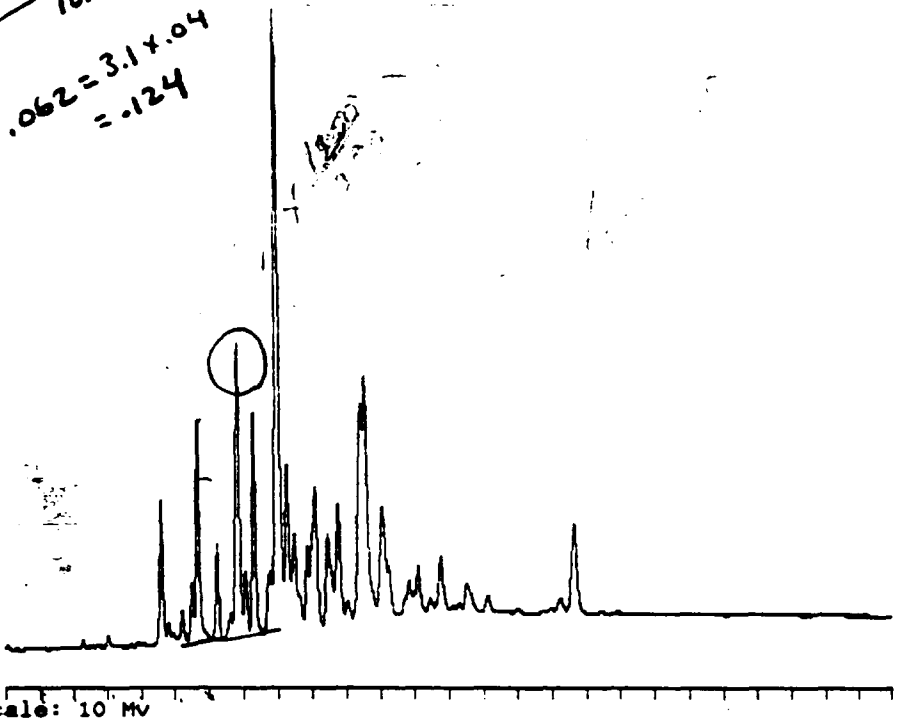
Quant PK = 10.85

$DF = \frac{1000}{250} = 4$

$\frac{DF}{CF} = \frac{4}{100} = .04$

1016

50 x .062 = 3.1 x .04 = .124



4-30 Min Scale: 10 Mv
SW-35 250 Processed: 12-12-1991 23:48:04, segment 7, cycle 32
RAW DATA SAVED IN FILE D:RER232.PTS

****** EXTERNAL STANDARD TABLE ******

********** 12-12-1991 23:49:15 Version 5.1 **********

* Sample Name: SW-35 250 13 Data File: D:RER232 *
* Date: 12-13-1991 03:32:19 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 32 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
21	14.570		2.3623	8.2497%	23623	3024	7.8	2			1.0000E-04
22	15.070		0.9899	3.4570%	9899	1111	8.9	1			1.0000E-04
23	15.737		0.0198	0.0692%	198	31	6.4	1			1.0000E-04
24	15.853		0.0200	0.0698%	200	59	3.4	1			1.0000E-04
25	16.113		0.2654	0.9268%	2654	450	5.9	1			1.0000E-04
26	16.760		0.4739	1.6551%	4739	623	7.6	1			1.0000E-04
	17.523		0.0368	0.1284%	368	59	6.2	1			1.0000E-04
	20.653	DBC	0.0699	0.2443%	11146	1137	9.8	1	28	0	6.2752E-06

TOTAL AMOUNT = 28.6355

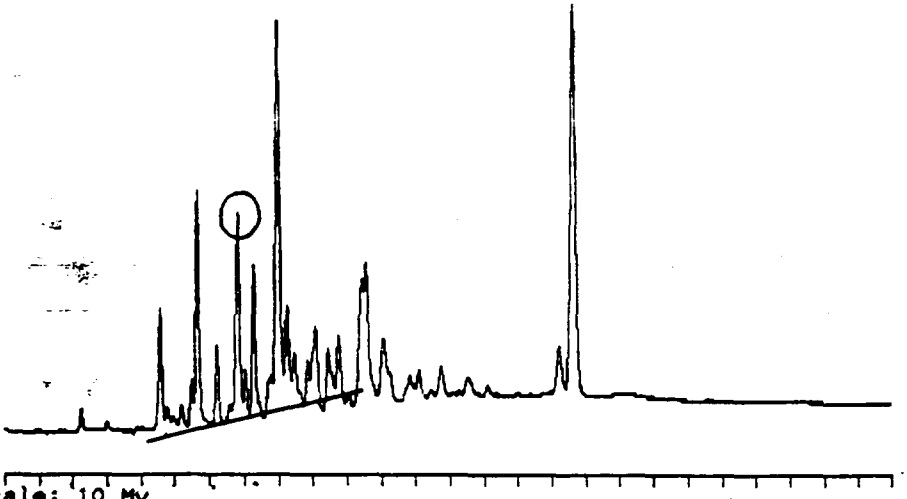
35 x .075 = 2.625 x .04 = .105
1242

CF = 1000/10 = 100

DF = 1000/250 = 4

DE/CF = 4/100 = .04

35 x .062 = 2.17 x .04
= .087
1616



4-30 Min Scale: 10 Mv
SW-5 250 Processed: 12-13-1991 00:24:49, segment 8, cycle 33
RAW DATA SAVED IN FILE D:RER233.PTS

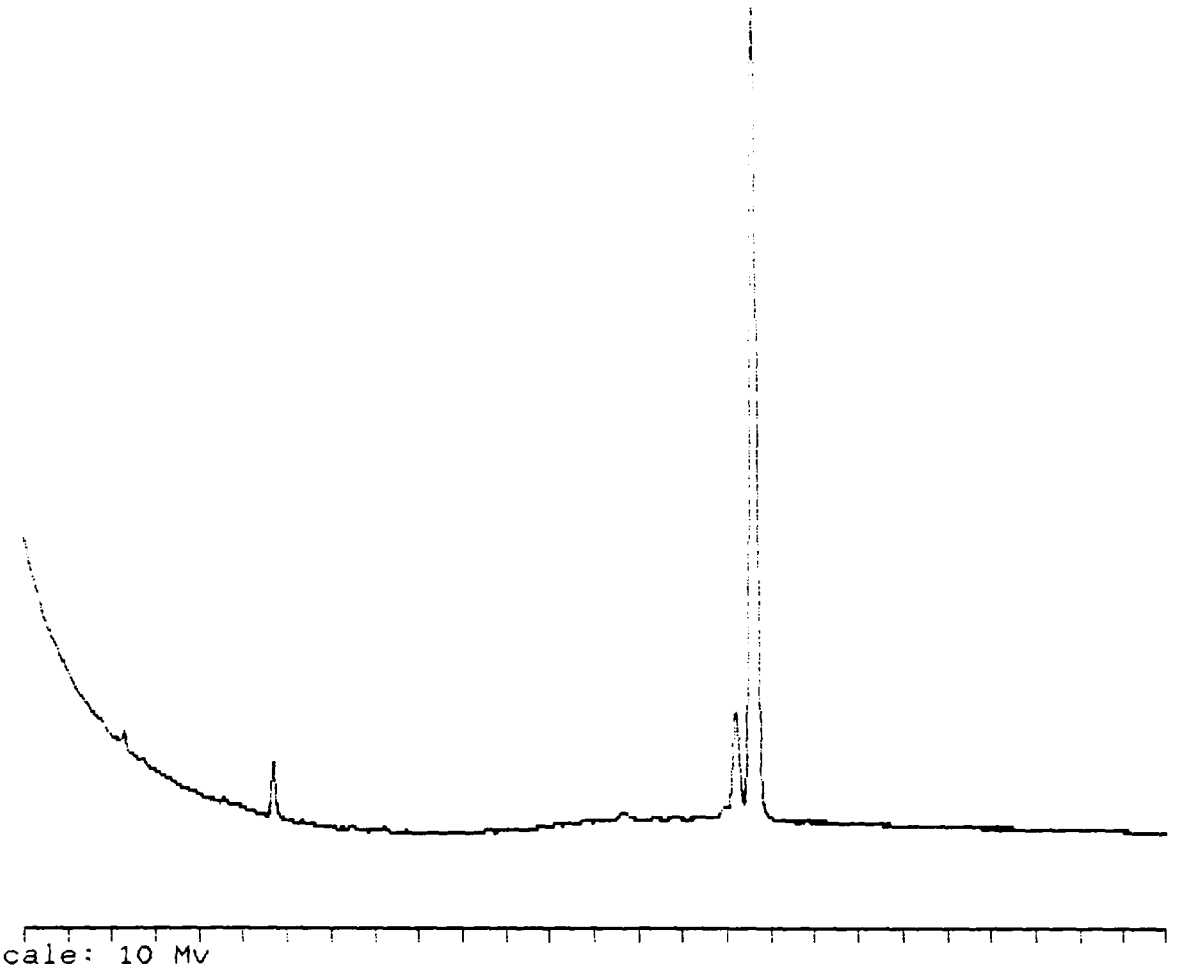
****** EXTERNAL STANDARD TABLE ******

********** 12-13-1991 00:25:59 Version 5.1 **********
* Sample Name: SW-5 250 14 Data File: D:RER233 *
* Date: 12-13-1991 04:45:47 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 33 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
20	14.447		1.3377	6.5916%	13377	1565	8.5	2			1.0000E-04
21	14.573		1.3416	6.6106%	13416	1739	7.7	2			1.0000E-04
22	15.073		0.0857	0.4224%	857	117	7.3	1			1.0000E-04
23	16.110		0.0230	0.1133%	230	61	3.8	1			1.0000E-04
24	16.750		0.0336	0.1657%	336	68	4.9	1			1.0000E-04
25	20.223		0.4903	2.4161%	4903	557	8.8	2			1.0000E-04
	20.640	DBC	0.2285	1.1260%	54965	5358	10.3	2	26	0	4.1572E-06

TOTAL AMOUNT = 20.2942



4-30 Min Scale: 10 Mv
SW-12 Processed: 12-13-1991 01:01:33, segment 9, cycle 34
RAW DATA SAVED IN FILE D:RER234.PTS

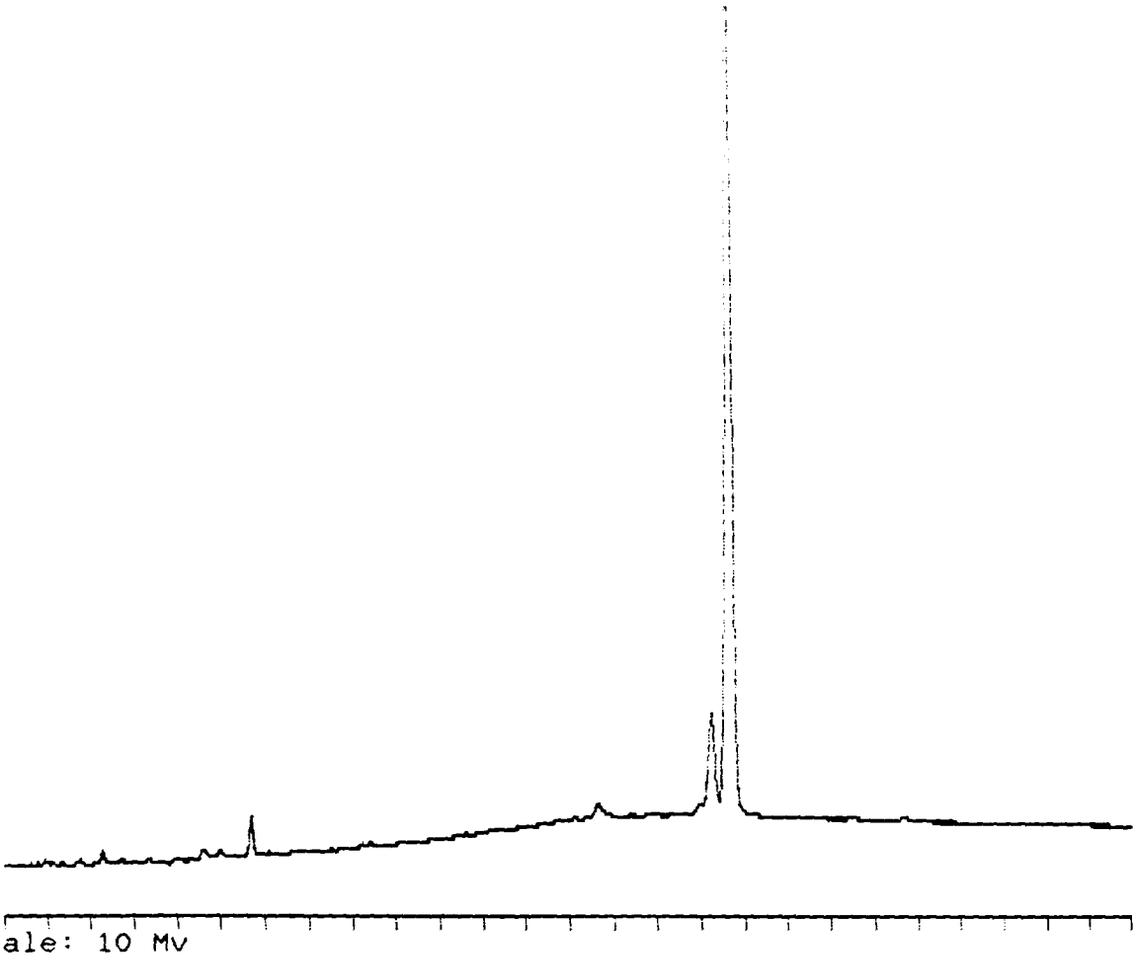
**** EXTERNAL STANDARD TABLE ****

********** 12-13-1991 01:02:43 Version 5.1 **********
* Sample Name: SW-12 Data File: D:RER234 *
* Date: 12-13-1991 05:59:14 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 34 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.687		0.3215	19.3696%	3215	542	5.9 1			1.0000E-04
2	20.217		0.9572	57.6757%	9572	1015	9.4 2			1.0000E-04
3	20.627	DBC	0.3810	22.9547%	97097	9360	10.4 2	3	0	3.9235E-06

TOTAL AMOUNT = 1.6596



1-30 Min Scale: 10 Mv
SW-36 Processed: 12-13-1991 01:38:09, segment 10, cycle 35
RAW DATA SAVED IN FILE D:RER235.PTS

EXTERNAL STANDARD TABLE

12-13-1991 01:39:19 Version 5.1

Sample Name: SW-36 Data File: D:RER235
Date: 12-13-1991 07:12:26 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 35 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.683		0.2036	13.1729%	2036	376	5.4	1			1.0000E-04
2	20.233		0.9422	60.9635%	9422	991	9.5	2			1.0000E-04
3	20.647	DBC	0.3997	25.8636%	102279	9797	10.4	2	3	0	3.9080E-06

TOTAL AMOUNT = 1.5454

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #9					
150	1232	PCB	RER310	12/16/91 3:57:13	Miss, rerun at #154
151*	1016	PCB	RER311	12/16/91 4:33:15	
152	1248	PCB	RER312	12/16/91 7:02:37	Miss; we are recalibrating 1248
153*	1221, 1260	PCB	RER313	12/16/91 19:38:15	1221 Hit 1260 Miss; rerun #156
154	1232 RE	PCB	RER314	12/16/91 20:13:59	Miss; rerun at #155
155*	1232 RE	PCB	RFR216	12/16/91 21:38:25	
156	1260 RE	PCB	RFR217	12/16/91 22:17:07	Miss, we are recalbrating for 1260.
1260, 1248		RECALIBRATION			
156A	1260.1	PCB	RFR24		
156B	1260 1.0	PCB	RFR25		
156C	1260 2.5	PCB	RFR26		
156D	1248.5	PCB	RER31		
156E	1248 1.0	PCB	RER32		
156F	1248 3.5	PCB	RER33		

* = Samples used for Quantitative Analysis.

H182:16

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE (CONTINUED)

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #9 (CONTINUED)					
157	1232	PCB	RFR27	12/17/91 1034:59	
157A	1260	PCB	RFR28	12/17/91 11:47:27	Miss; due to low injection volume rerun at #161
158	1254	PCB	RFR29	12/17/91 12:23:34	
159*	1248	PCB	RFR210	12/17/91 12:59:50	
160*	1242	PCB	RFR211	12/17/91 11:11:03	
161*	1260	PCB	R11	12/17/91 9:35:16	
162*	PE TT0003899	PCB	LD13	12/18/91 13:39:28	
163*	PE 0003446	PCB	LD17	12/18/91 16:06:32	50 ul 1 ml
164	PE 0003446	PCB	LD18	12/18/91 16:42:56	100 ul 1 ml
165	SD-19	PCB	LD19	12/18/91 18:40:15	
166*	SD-23	PCB	LD110	12/18/91 19:12:14	
168	SD-22	PCB	LD112	12/18/91 20:24:31	

* = Samples used for Quantitative Analysis.

H182:17

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE (CONTINUED)

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #9 (CONTINUED)					
169	SD-22D	PCB	LD113	12/18/91 21:00:45	
170	MTD BLK SOIL 12/16	PCB	LD114	12/18/91 21:37:01	
171	MTD BLK H_2O 12/16	PCB	LD115	12/18/91 22:13:27	
172*	SD-18	PCB	LD116	12/18/91 22:49:59	
173*	FB121291	PCB	LD117	12/18/91 23:26:30	
174	SD-31	PCB	LD118	12/18/91 00:03:06	

* = Samples used for Quantitative Analysis.

H182:18

PESTICIDE AND PCB DAILY STANDARD CHECK

Calibration Dates: 12/4/91 Check Standard Date: 12/17

Instrument I.D.: GCB Analyst: MF #9

Compound	Calibration Avg. rf	Check Standard rf	% Difference
alpha-BHC			
gamma-BHC			
beta-BHC			
delta-BHC			
Heptachlor			
Aldrin			
Heptachlor epoxide			
Endosulfan I			
4-4'-DDE			
Dieldrin			
Endrin			
4-4'-DDD			
Endosulfan II			
4-4'-DDT			
Endrin Aldehyde			
Endosulfan Sulfate			
Methoxychlor			
DBC			
Toxaphene			
Chlordane			
Aroclor-1016 10.88	.062	.057	8.1
Aroclor-1221 7.14	.176	.167	5.1
Aroclor-1232 9.78	.133	.114	14.3
Aroclor-1242 10.82	.075	.074	1.3
Aroclor-1248 12.05	.066	RECALIBRATE	
Aroclor-1254 15.04	.037	.036	2.7
Aroclor-1260 18.23	.041	RECALIBRATE	

% Difference must be <15 for EPA Methods 608 and SW-846 8080

PESTICIDE AND PCB DAILY STANDARD CHECK

Calibration Dates: 12/4/91 Check Standard Date: 12/17

Instrument I.D.: GCB Analyst: MK RECAL 1260

Compound	Calibration Avg. rf	Check Standard rf	% Difference
alpha-BHC			
gamma-BHC			
beta-BHC			
delta-BHC			
Heptachlor			
Aldrin			
Heptachlor epoxide			
Endosulfan I			
4-4'-DDE			
Dieldrin			
Endrin			
4-4'-DDD			
Endosulfan II			
4-4'-DDT			
Endrin Aldehyde			
Endosulfan Sulfate			
Methoxychlor			
DBC			
Toxaphene			
Chlordane			
Aroclor-1016			
Aroclor-1221			
Aroclor-1232			
Aroclor-1242			
Aroclor-1248 12.05	.031	.031	0
Aroclor-1254			
Aroclor-1260 18.23	.025	.028	12

% Difference must be <15 for EPA Methods 608 and SW-846 8080

PESTICIDE AND PCB INITIAL CALIBRATION

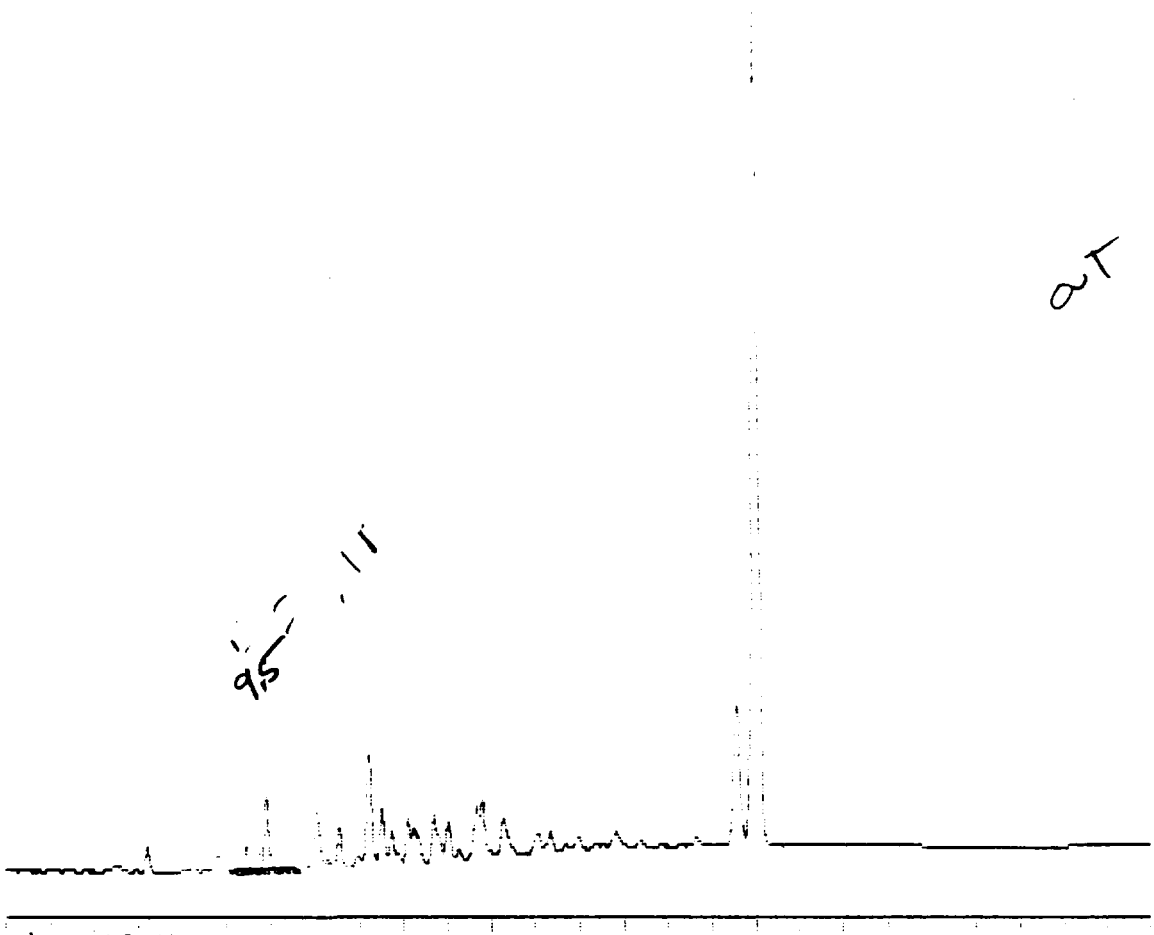
Calibration Dates: 12/17/91 Recalibrate 1248 1260

Instrument I.D.: GC B Analyst: MJ

Compound	conc.1 rf	conc.2 rf	conc.3 rf	conc.4 rf	conc.5 rf	%RSD	Avg. rf
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor epoxide							
Endosulfan I							
4-4'-DDE							
Dieldrin							
Endrin							
4-4'-DDD							
Endosulfan II							
4-4'-DDT							
Endrin Aldehyde							
Endosulfan Sulfate							
Methoxychlor							
DBC							
Toxaphene							
Chlordane							
Aroclor-1016 N/A							
Aroclor-1221 N/A							
Aroclor-1232 N/A							
Aroclor-1242 N/A							
Aroclor-1248 12.05	.026	.029	.038			20	.031
Aroclor-1254 N/A							
Aroclor-1260 18.23	.025	.024	.027			6.12	.025

PLOT

EPA Method 608 %RSD <10 use avg. rf: >10 plot curve (3 points)
EPA Method SW-846 8080 %RSD <20 use avg. rf: >20 plot curve (5 points)



4-30 Min Scale: 10 Mv
2 Processed: 12-16-1991 03:55:58, segment 3, cycle 10
DATA SAVED IN FILE D:RER310.PTS

EXTERNAL STANDARD TABLE

12-16-1991 03:57:13 Version 5.1

Sample Name: ck32 Data File: D:RER310

Date: 12-16-1991 05:17:55 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 10 Operator Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

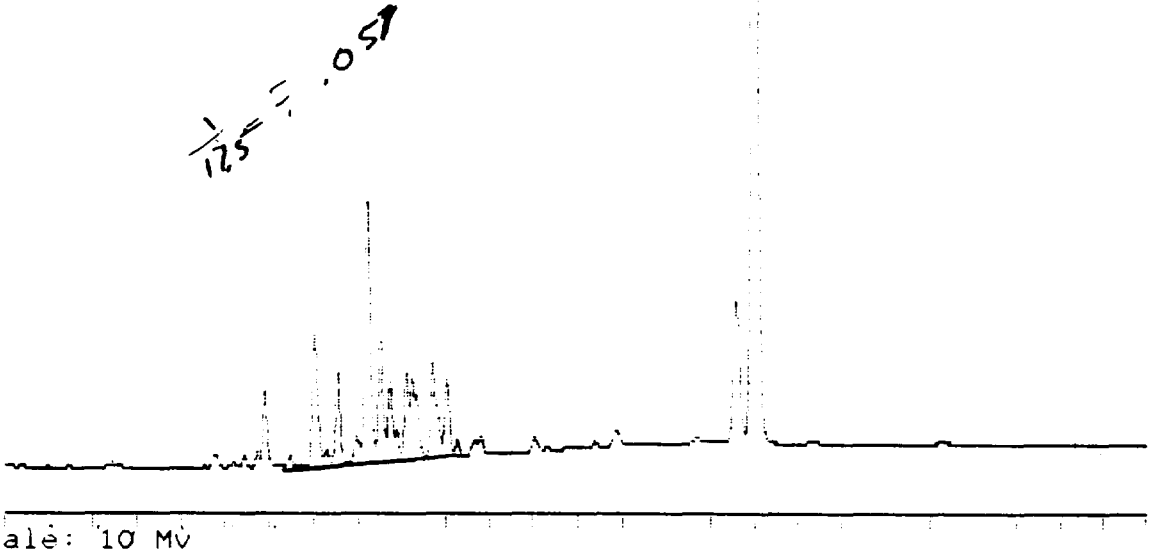
Starting Delay: 4.00 Ending retention time: 30.00

Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.193		0.0264	0.6153%	264	79	3.3	1			1.0000E-04
2	9.430		0.0203	0.4743%	204	57	3.6	1			1.0000E-04
	9.710		0.0182	0.4246%	182	57	3.2	1			1.0000E-04
	9.887		0.4502	10.4911%	4502	754	6.0	1			1.0000E-04
5	11.007		0.0558	1.3000%	558	121	4.6	1			1.0000E-04
6	11.537		0.0335	0.7805%	335	89	3.8	1			1.0000E-04
7	12.227		0.8786	20.4750%	8786	1117	7.9	1			1.0000E-04
8	12.510		0.2851	6.6436%	2851	498	5.7	2			1.0000E-04
9	12.720		0.1288	3.0023%	1288	249	5.2	2			1.0000E-04



4-30 Min Scale: 10 MV
16 Processed: 12-16-1991 04:32:00, segment 4, cycle 11
DATA SAVED IN FILE D:RER311.PTS

EXTERNAL STANDARD TABLE

12-16-1991 04:33:15 Version 5.1

Sample Name: ck16 Data File: D:RER311

Date: 12-16-1991 06:30:00 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 11 Operator Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

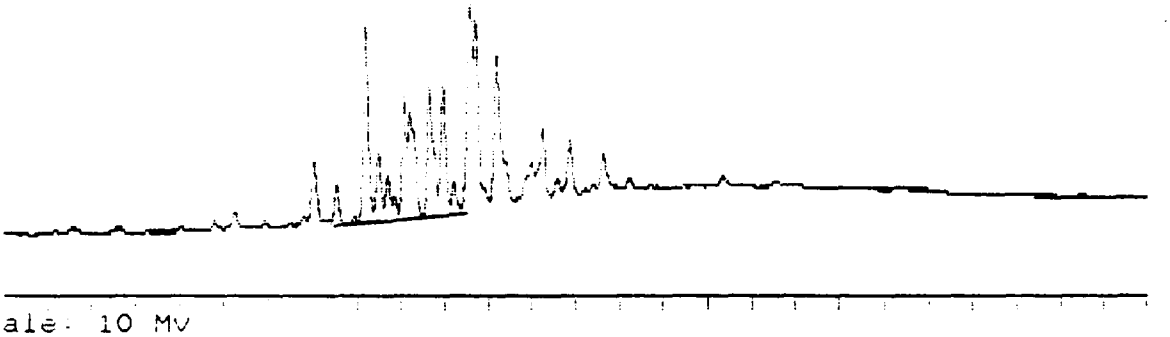
Starting Delay: 4.00 Ending retention time: 30.00

Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.897		0.4400	5.1291%	4400	742	5.9	1			1.0000E-04
2	11.020		1.1183	13.0360%	11183	1334	8.4	1			1.0000E-04
	11.550		0.6150	7.1691%	6150	979	6.3	1			1.0000E-04
	11.967		0.0250	0.2910%	250	60	4.2	1			1.0000E-04
5	12.237		2.1661	25.2507%	21661	2734	7.9	1			1.0000E-04
6	12.523		0.7212	8.4074%	7212	1201	6.0	2			1.0000E-04
7	12.737		0.3305	3.8522%	3305	603	5.5	2			1.0000E-04
8	13.107		0.3663	4.2704%	3663	678	5.4	2			1.0000E-04
9	13.247		0.1450	1.6908%	1450	307	4.7	2			1.0000E-04



30 Min Scale: 10 MV
ck48 Processed: 12-16-1991 07:01:23, segment 1, cycle 12
RAW DATA SAVED IN FILE D:RER312.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-16-1991 07:02:37 Version 5.1 **********

Sample Name: ck48 Data File: D:RER312

Date: 12-16-1991 07:06:22 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 12 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

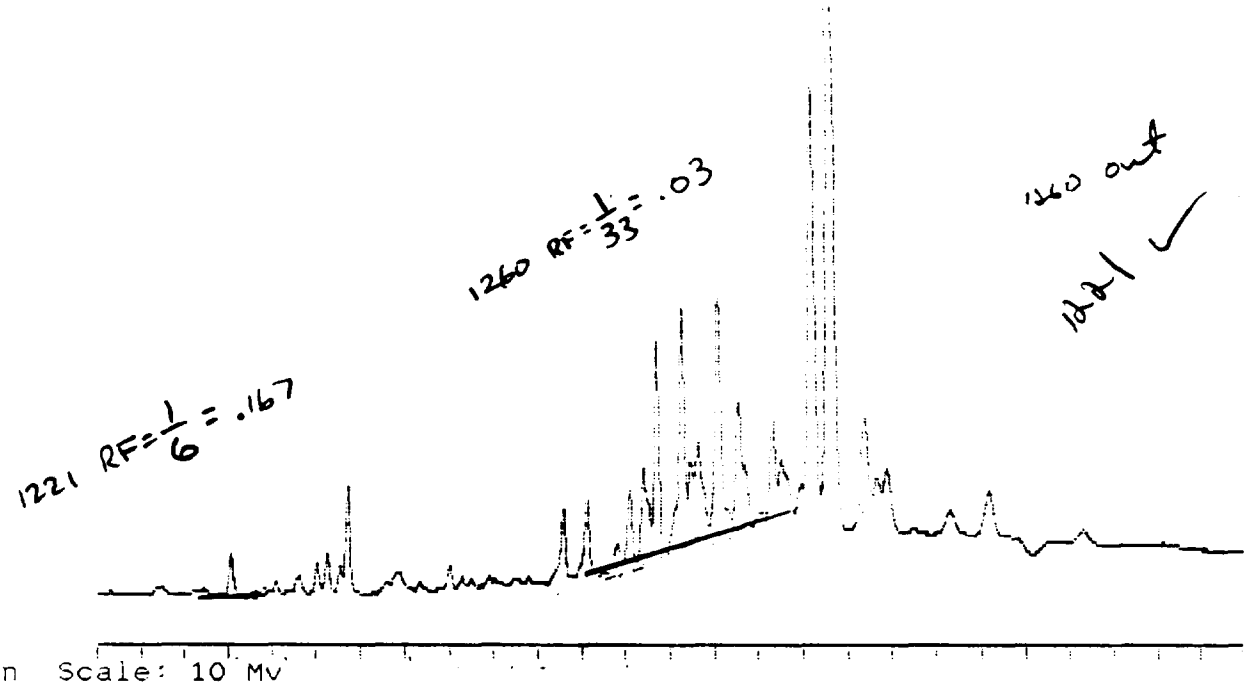
Starting Delay: 4.00 Ending retention time: 30.00

Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	11.220		0.0464	0.4862%	464	92	5.1	1			1.0000E-04
	11.537		0.2161	2.2633%	2161	371	5.8	1			1.0000E-04
3	12.210		1.6525	17.3089%	16525	2059	8.0	2			1.0000E-04
4	12.393		0.3726	3.9024%	3726	619	6.0	2			1.0000E-04
5	12.703		0.1741	1.8233%	1741	315	5.5	2			1.0000E-04
6	13.070		0.5139	5.3829%	5139	903	5.7	2			1.0000E-04
7	13.203		0.1773	1.8567%	1773	367	4.8	2			1.0000E-04



30 Min Scale: 10 Mv
ck21/60 Processed: 12-16-1991 19:36:57, segment 2, cycle 13
RAW DATA SAVED IN FILE D:RER313.PTS

EXTERNAL STANDARD TABLE

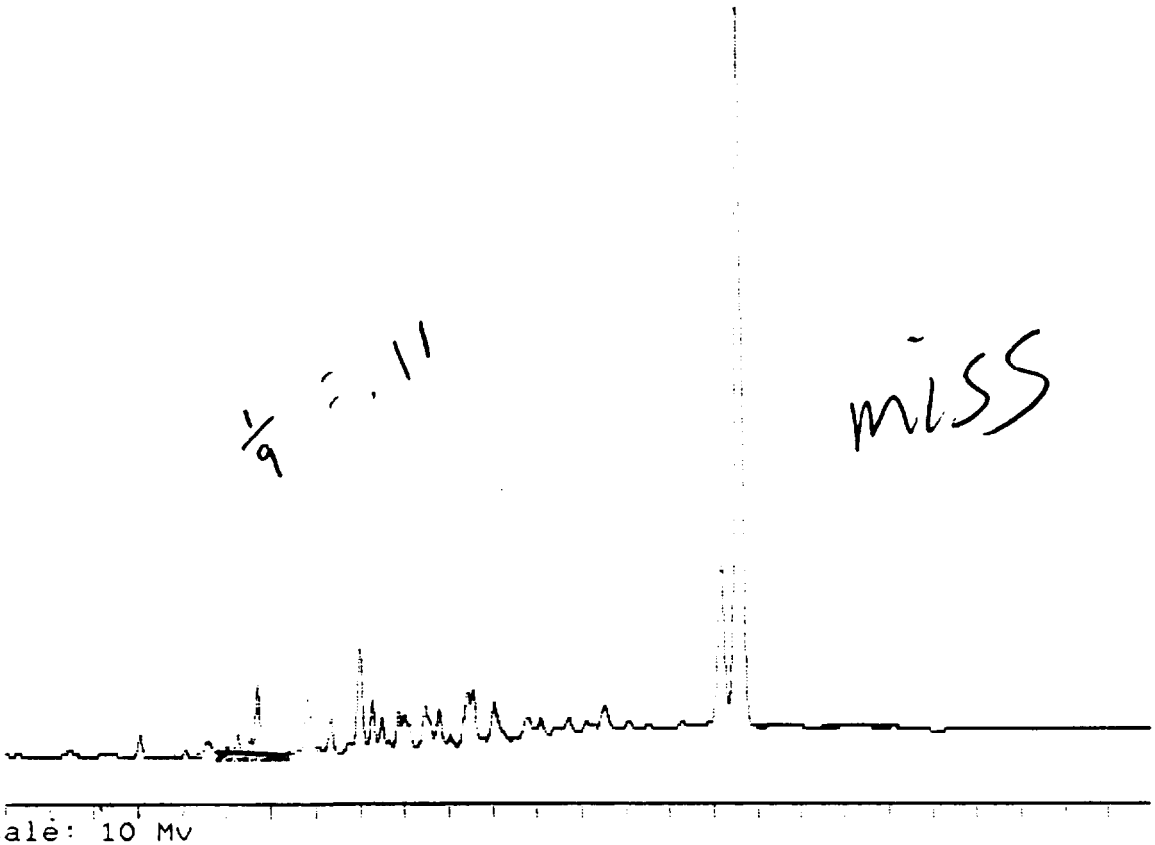
12-16-1991 19:38:15 Version 5.1

Sample Name: ck21/60 Data File: D:RER313
Date: 12-16-1991 20:17:43 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 13 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount Injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	7.063		0.2249	1.4788%	2249	402	5.6	1			1.0000E-04
2	9.030		0.1236	0.8123%	1236	247	5.0	1			1.0000E-04
3	9.267		0.2056	1.3518%	2056	365	5.6	1			1.0000E-04
4	9.543		0.0234	0.1538%	234	60	3.9	1			1.0000E-04
5	9.713		0.6513	4.2821%	6513	1060	6.1	1			1.0000E-04
6	12.023		0.0201	0.1323%	201	47	4.3	1			1.0000E-04
7	14.590		0.3988	2.6220%	3988	653	6.1	1			1.0000E-04



30 Min Scale: 10 Mv
1232re Processed: 12-16-1991 20:12:43, segment 3, cycle 14
RAW DATA SAVED IN FILE D:RER314.PTS

EXTERNAL STANDARD TABLE

12-16-1991 20:13:59 Version 5.1

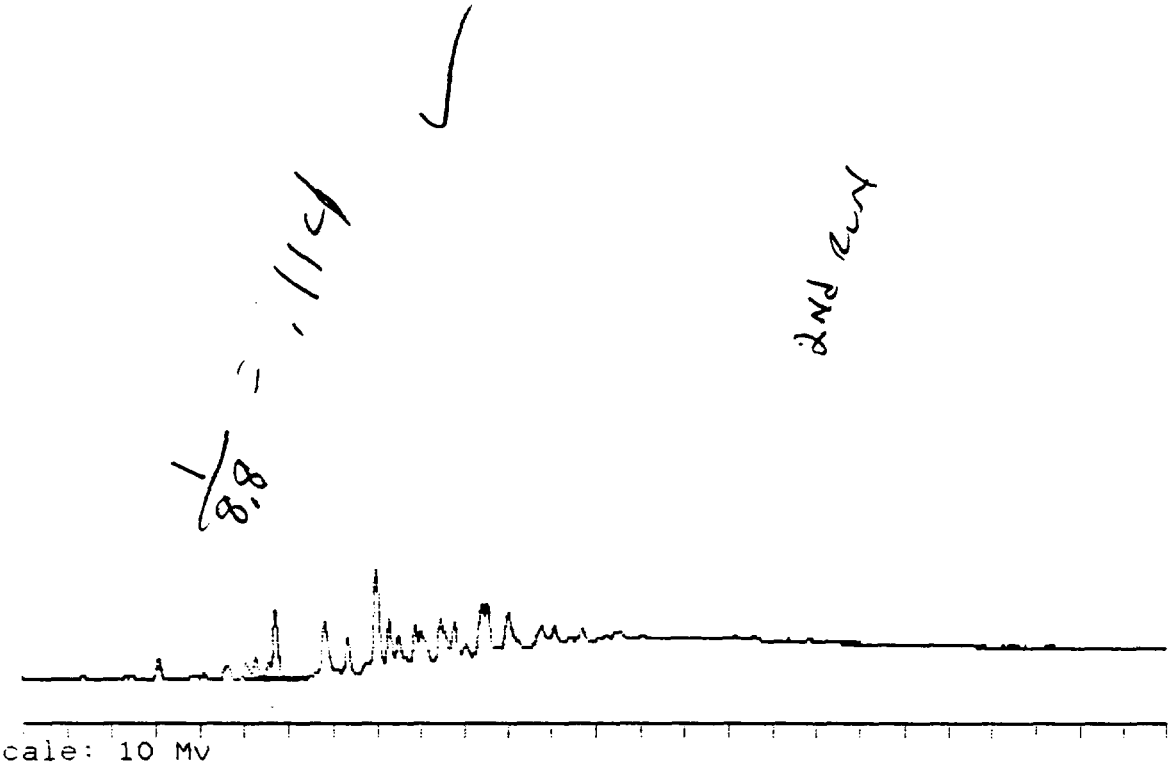
Sample Name: 1232re Data File: D:RER314
Date: 12-16-1991 21:29:16 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 14 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	7.043		0.0169	0.4405%	169	57	3.0	1			1.0000E-04
	9.527		0.0111	0.2886%	111	38	2.9	1			1.0000E-04
3	9.700		0.4046	10.5582%	4046	685	5.9	1			1.0000E-04
4	10.810		0.0536	1.3986%	536	110	4.9	1			1.0000E-04
5	11.333		0.0286	0.7463%	286	73	3.9	1			1.0000E-04
6	12.007		0.8058	21.0259%	8058	1031	7.8	1			1.0000E-04
7	12.293		0.2429	6.3393%	2429	435	5.6	1			1.0000E-04

SEQUENCE RECORDED IN D:RE2.SEQ
SEQUENCE RECORDED IN D:RE2.SEQ



4-30 Min Scale: 10 Mv
ck32re Processed: 12-16-1991 21:37:09, segment 1, cycle 16
Error, duplicate file name = D:RER216.PTS
RAW DATA SAVED IN FILE D:RFR216.PTS

EXTERNAL STANDARD TABLE

12-16-1991 21:38:25 Version 5.1

Sample Name: ck32re — Data File: D:RFR216

Date: 12-16-1991 21:37:53 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 16 Operator Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

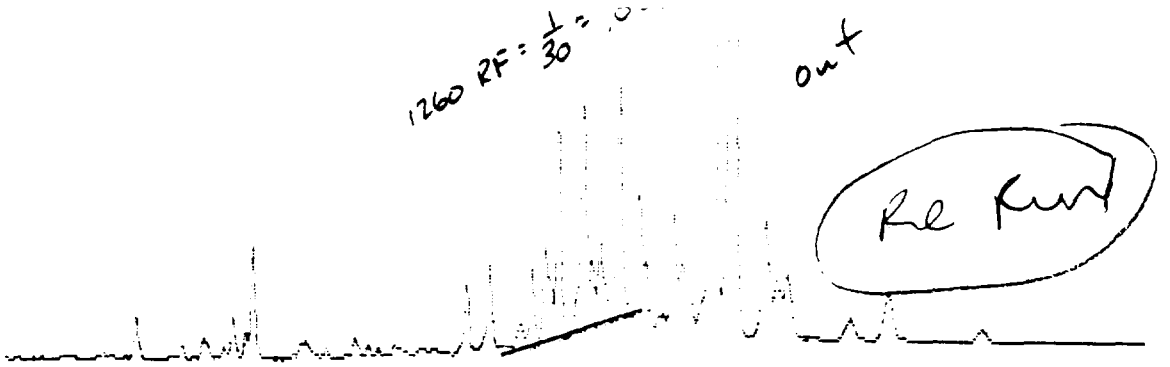
Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.063		0.0174	0.9303%	174	61	2.9	1			1.0000E-04
2	9.723		0.3854	20.6045%	3854	649	5.9	1			1.0000E-04
3	10.833		0.0513	2.7439%	513	102	5.0	1			1.0000E-04
4	11.357		0.0315	1.6842%	315	75	4.2	1			1.0000E-04



4-30 Min Scale: 10 Mv
ck60re Processed: 12-16-1991 22:15:46, segment 2, cycle 17
Error, duplicate file name = D:RFR217.PTS
RAW DATA SAVED IN FILE D:RFR217.PTS

EXTERNAL STANDARD TABLE

12-16-1991 22:17:07 Version 5.1

Sample Name: ck60re Data File: D:RFR217
Date: 12-16-1991 22:52:22 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 17 Operator Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

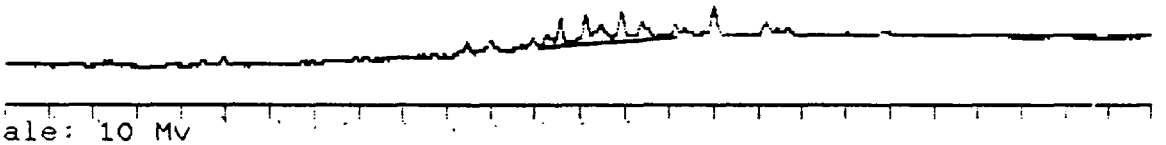
Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.037		0.2124	1.3537%	2124	396	5.4 1			1.0000E-04
2	9.243		0.2131	1.3582%	2131	373	5.7 1			1.0000E-04
3	9.527		0.0294	0.1872%	294	74	4.0 1			1.0000E-04
4	9.693		0.6506	4.1465%	6506	1055	6.2 1			1.0000E-04
5	12.007		0.0206	0.1314%	206	41	5.0 1			1.0000E-04
6	14.573		0.3958	2.5224%	3958	658	6.0 1			1.0000E-04
7	15.107		0.4771	3.0406%	4771	765	6.2 1			1.0000E-04
8	16.073		0.4778	3.0450%	4778	728	6.6 1			1.0000E-04
9	16.373		0.3400	2.1671%	3400	613	5.5 1			1.0000E-04
10	16.673		1.4222	9.0640%	14222	2132	6.7 1			1.0000E-04
11	17.247		1.7988	11.4639%	17988	2351	7.7 2			1.0000E-04
12	17.427		0.2240	1.4276%	2240	414	5.4 2			1.0000E-04
13	17.613		0.2484	1.5831%	2484	457	5.4 1			1.0000E-04
14	18.057		2.0355	12.9729%	20356	2424	8.4 1			1.0000E-04
15	18.513		0.6711	4.2773%	6711	999	6.7 1			1.0000E-04
16	19.283		0.6760	4.3081%	6760	930	7.3 1			1.0000E-04
17	19.490		0.0292	0.1858%	292	62	4.7 1			1.0000E-04
18	20.157		4.4353	28.2669%	44353	4567	9.7 2			1.0000E-04
19	20.587	DBC	0.3487	2.2223%	88180	8422	10.5 2	19	0	3.9543E-06
	21.347		0.9034	5.7573%	9034	937	9.6 1			1.0000E-04
	21.613		0.0175	0.1114%	175	46	3.8 1			1.0000E-04
22	21.847		0.0277	0.1764%	277	61	4.5 1			1.0000E-04
23	24.123		0.0362	0.2310%	362	41	8.9 1			1.0000E-04

TOTAL AMOUNT = 15.6908

$\frac{.1}{4} = .025$



...50 Min Scale: 10 MV
1260-.1 Processed: 12-17-1991 05:33:12, segment 4, cycle 4
Error, duplicate file name = D:RER24.PTS
RAW DATA SAVED IN FILE D:RFR24.PTS

EXTERNAL STANDARD TABLE

12-17-1991 05:34:31 Version 5.1

Sample Name: 1260-.1 Data File: D:RFR24
Date: 12-17-1991 07:23:51 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 4 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

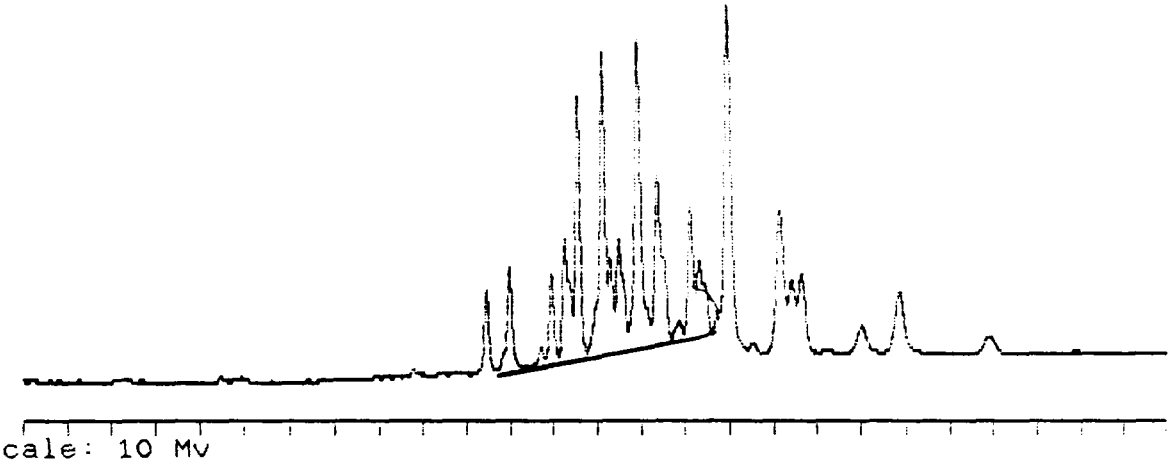
Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	16.573		0.0246	36.9781%	246	54	4.5	1			1.0000E-04
2	17.133		0.0230	34.5749%	230	59	3.9	1			1.0000E-04
3	17.930		0.0189	28.4470%	189	48	4.0	1			1.0000E-04

TOTAL AMOUNT = 0.0666

$\frac{1}{41.5} = .024$



50 Min Scale: 10 MV
1260-1 Processed: 12-17-1991 06:09:26, segment 5, cycle 5
Error, duplicate file name = D:RER25.PTS
RAW DATA SAVED IN FILE D:RFR25.PTS

EXTERNAL STANDARD TABLE

12-17-1991 06:10:47 Version 5.1

Sample Name: 1260-1 Data File: D:RFR25
Date: 12-17-1991 08:36:18 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 5 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

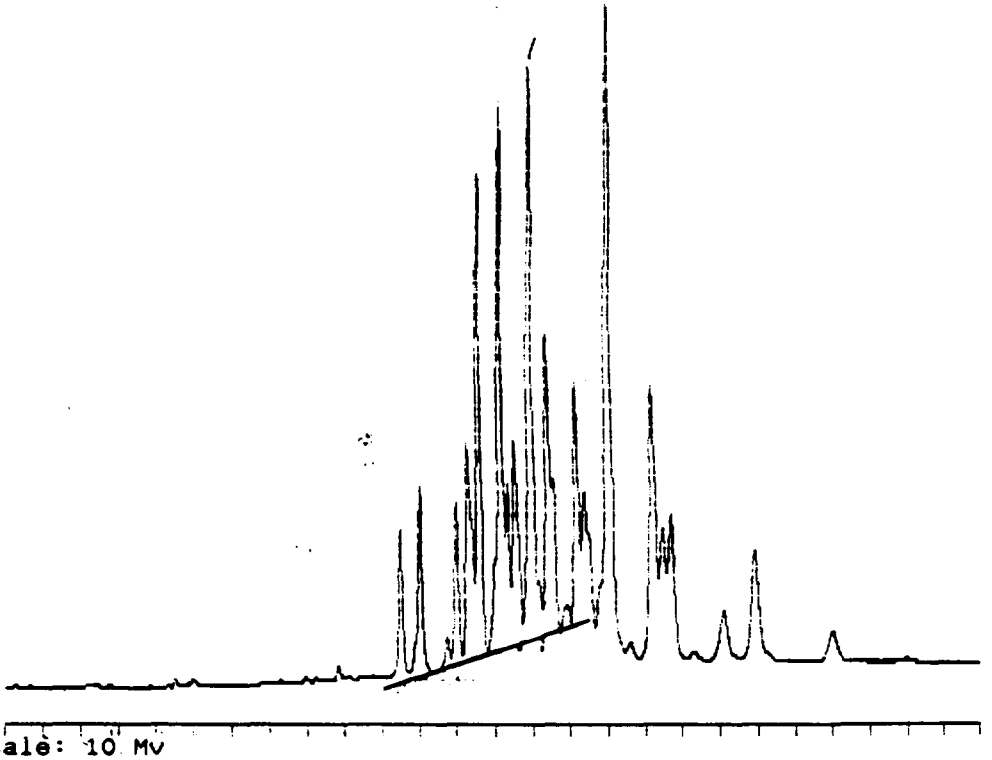
Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	14.467		0.5156	3.4874%	5156	801	6.4	1			1.0000E-04
2	14.997		0.6142	4.1547%	6142	948	6.5	1			1.0000E-04
3	15.960		0.6108	4.1318%	6108	891	6.9	1			1.0000E-04
4	16.260		0.4187	2.8322%	4187	759	5.5	1			1.0000E-04
5	16.560		1.7513	11.8466%	17513	2634	6.6	1			1.0000E-04
6	17.123		2.3329	15.7801%	23329	2993	7.8	2			1.0000E-04

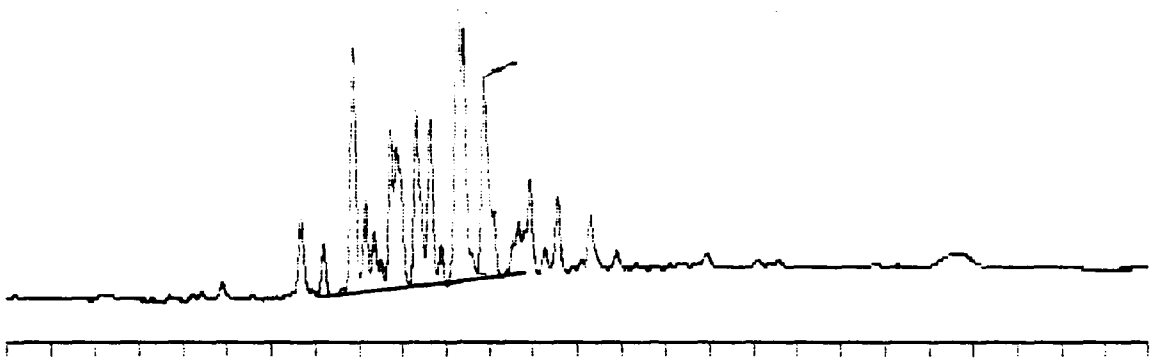
SEQUENCE RECORDED IN D:RE2.SEQ
SEQUENCE RECORDED IN D:RE2.SEQ

$\frac{2.5}{91.5} = .027$



4-30 Min Scale: 10 Mv
1260-2.5 Processed: 12-17-1991 09:57:37, segment 6, cycle 6
Error, duplicate file name = D:RER26.RTS

$\frac{1}{33.5} = .029$



...in Scale: 10 MV
48-1 Processed: 12-17-1991 04:20:29, segment 2, cycle 2
N DATA SAVED IN FILE D:RER32.PTS

EXTERNAL STANDARD TABLE

12-17-1991 04:21:43 Version 5.1

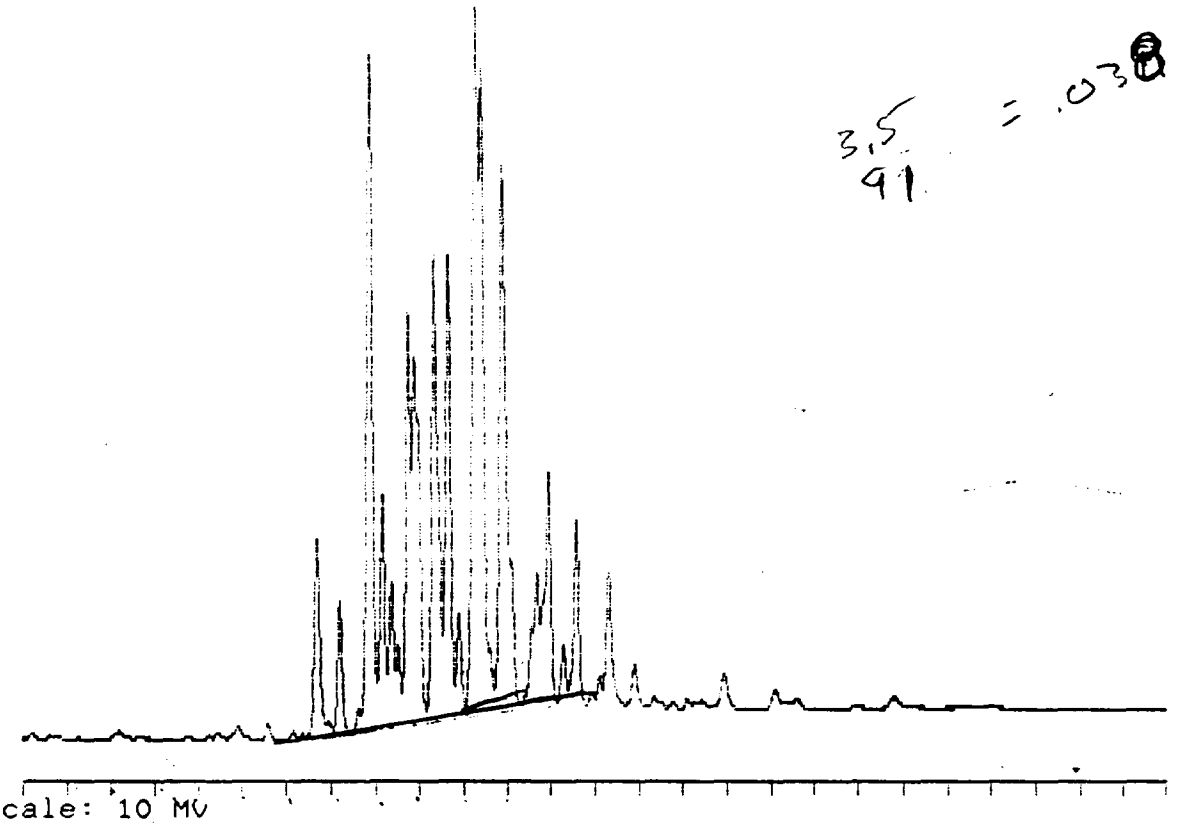
Sample Name: 1248-1 Data File: D:RER32
Date: 12-17-1991 04:58:24 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 2 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Count injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
7		0.5771	3.7465%	5771	779	7.4	1			1.0000E-04
...00		0.3066	1.9905%	3066	505	6.1	1			1.0000E-04
11.880		2.1781	14.1414%	21781	2666	8.2	2			1.0000E-04
12.160		0.5084	3.3005%	5084	831	6.1	2			1.0000E-04
12.370		0.2329	1.5122%	2329	423	5.5	2			1.0000E-04
12.740		0.6851	4.4478%	6851	1220	5.6	2			1.0000E-04
12.877		0.2402	1.5593%	2402	486	4.9	2			1.0000E-04

.6681



4-30 Min Scale: 10 MV
1248-3.5 Processed: 12-17-1991 04:56:52, segment 3, cycle 3
RAW DATA SAVED IN FILE D:RER33.PTS

EXTERNAL STANDARD TABLE

12-17-1991 04:58:09 Version 5.1

Sample Name: 1248-3.5 Data File: D:RER33
Date: 12-17-1991 06:11:08 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 3 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

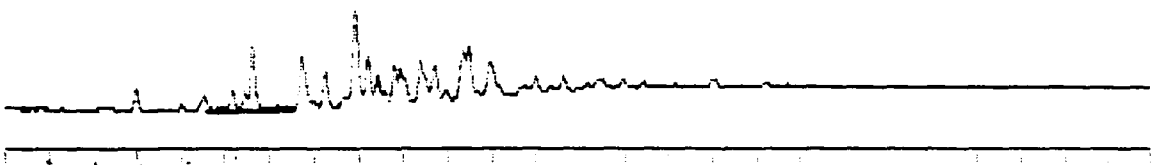
Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	10.693		1.6271	3.5822%	16271	2049	7.9	1			1.0000E-04
2	11.217		0.8892	1.9576%	8892	1366	6.5	1			1.0000E-04
3	11.623		0.0203	0.0447%	203	59	3.4	1			1.0000E-04
4	11.893		6.0214	13.2565%	60214	7160	8.4	2			1.0000E-04
5	12.177		1.5328	3.3745%	15328	2261	6.8	2			1.0000E-04
6	12.383		0.8583	1.8897%	8583	1266	6.8	2			1.0000E-04
7	12.633		0.2799	0.6162%	2799	528	5.3	2			1.0000E-04

✓ 11.2% D

1/8.5 = .118



4-30 Min Scale: 10 MV
MBLKS-12/1 Processed: 12-17-1991 10:33:40, segment 7, cycle 7
Error, duplicate file name = D:RER27.PTS
RAW DATA SAVED IN FILE D:RFR27.PTS

EXTERNAL STANDARD TABLE

12-17-1991 10:24:59 Version 5.1

Sample Name: ~~MBLKS-12/16~~ 1232 MB Data File: D:RFR27
Date: 12-17-1991 17:24:51 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 7 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

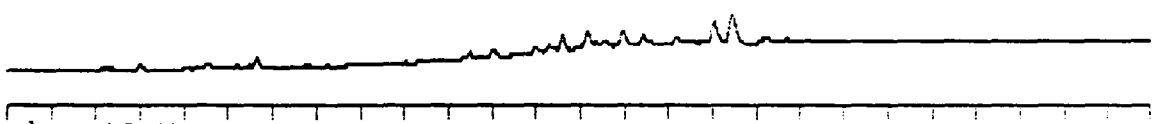
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.987		0.0192	1.0847%	192	66	2.9 1			1.0000E-04
2	9.180		0.0082	0.4615%	82	36	2.3 1			1.0000E-04
3	9.630		0.3765	21.2922%	3765	617	6.1 1			1.0000E-04
4	10.737		0.0521	2.9443%	521	121	4.3 1			1.0000E-04
5	11.263		0.0272	1.5378%	272	71	3.8 1			1.0000E-04
~~6~~	~~11.940~~		~~0.7437~~	~~42.0591%~~	~~7437~~	~~327~~	~~8.0 2~~			~~1.0000E-04~~
7	12.230		0.2372	13.4127%	2372	408	5.8 2			1.0000E-04
8	12.437		0.0149	0.8455%	150	51	2.9 1			1.0000E-04
9	12.803		0.0317	1.7917%	317	77	4.1 1			1.0000E-04
10	13.387		0.0371	2.0971%	371	102	3.6 1			1.0000E-04
11	13.720		0.0288	1.6316%	289	65	4.4 1			1.0000E-04
	14.367		0.0486	2.7486%	486	81	6.0 1			1.0000E-04
13	14.493		0.1005	5.6816%	1005	198	5.1 1			1.0000E-04
14	14.973		0.0426	2.4115%	426	79	5.4 1			1.0000E-04

TOTAL AMOUNT = 1.7682

12/18 AM
RE RUN

1260/1211



0 Min Scale: 10 MV
MBLKw12/16 Processed: 12-17-1991 11:09:46, segment 8, cycle 8
Error, duplicate file name = D:RER28.PTS
RAW DATA SAVED IN FILE D:RFR28.PTS

EXTERNAL STANDARD TABLE

12-17-1991 11:11:03 Version 5.1

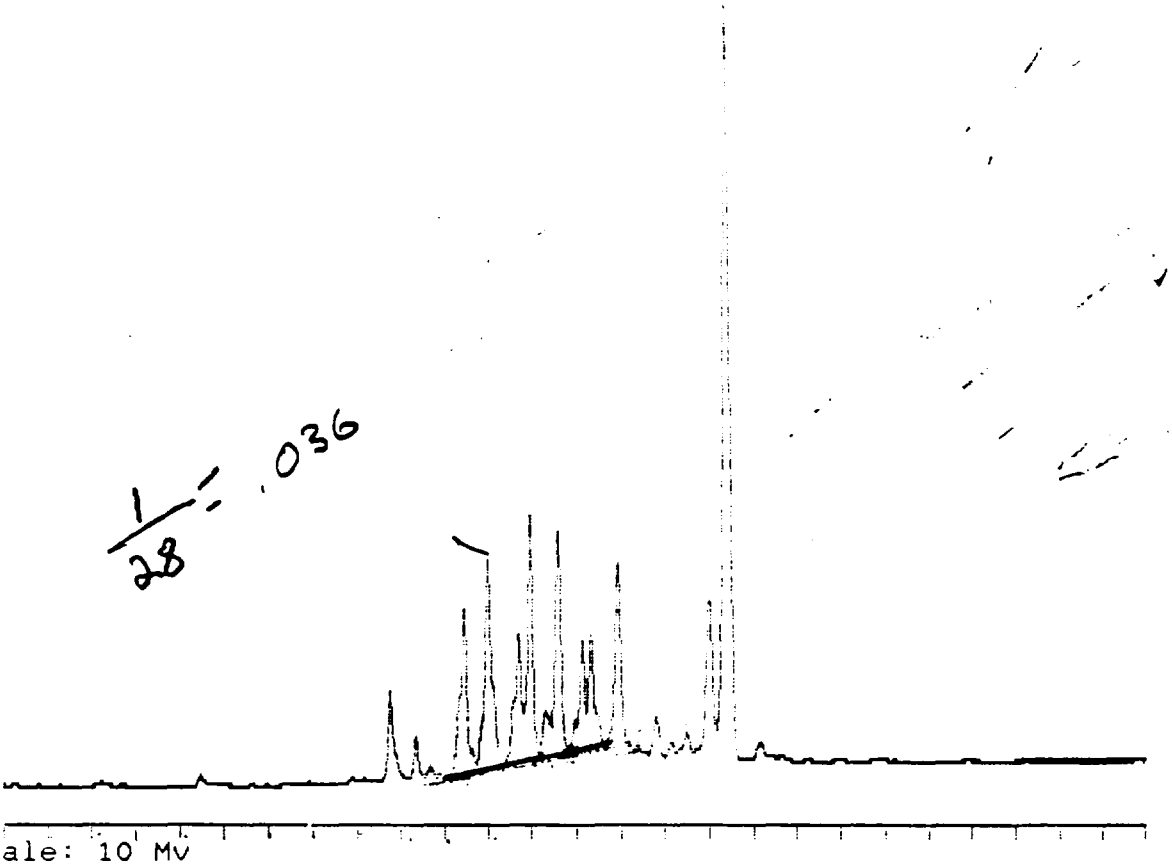
Sample Name: MBLKw12/16 Data File: D:RFR28
Date: 12-17-1991 18:37:02 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 8 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA

TOTAL AMOUNT = 0.0000



4-30 Min Scale: 10 MV
cw-31 Processed: 12-17-1991 11:46:04, segment 9, cycle 9
Error, duplicate file name = D:RER29.PTS
RAW DATA SAVED IN FILE D:RFR29.PTS

EXTERNAL STANDARD TABLE

12-17-1991 11:47:27 Version 5.1

Sample Name: ~~cw-31~~ LCS4 Data File: D:RFR29

Date: 12-17-1991 19:49:32 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 9 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00

Area reject: 10 One sample per 0.200 sec.

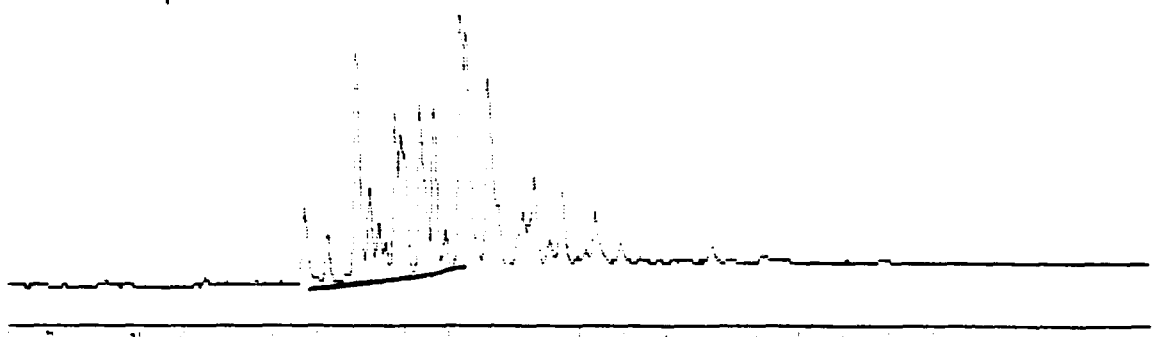
Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	12.763		0.4573	3.5661%	4574	777	5.9	1			1.0000E-04
2	13.353		0.2093	1.6318%	2093	368	5.7	1			1.0000E-04
3	14.463		1.4824	11.5589%	14824	1610	9.2	1			1.0000E-04
4	15.003		1.2033	9.3829%	12033	1670	7.2	1			1.0000E-04
5	15.603		0.2393	1.8657%	2393	572	4.2	2			1.0000E-04
6	15.720		0.9535	7.4352%	9535	1283	7.4	2			1.0000E-04

1248 RF = 1/32.5 = .05

45



4-30 Min Scale: 10 MV

~~cd-21~~ Processed: 12-17-1991 12:22:12, segment 10, cycle 10

Error, duplicate file name = D:RER210.PTS

RAW DATA SAVED IN FILE D:RFR210.PTS

EXTERNAL STANDARD TABLE

12-17-1991 12:23:34 Version 5.1

Sample Name: ~~CK~~ CK48 Data File: D:RFR210

Date: 12-17-1991 21:01:55 Method: PCB 12-10-1991 10:26:02 4 24

Interface: 16 Cycle#: 10 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00

Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.733		0.5713	3.9087%	5713	764	7.5 1			1.0000E-04
2	11.257		0.2869	1.9626%	2869	482	6.0 1			1.0000E-04
3	11.937		2.1175	14.4869%	21175	2500	8.5 2			1.0000E-04
4	12.217		0.4834	3.3070%	4834	779	6.2 2			1.0000E-04
5	12.427		0.1737	1.1885%	1737	326	5.3 2			1.0000E-04
6	12.799		0.6733	4.6067%	6733	1217	5.5 2			1.0000E-04
7	12.933		0.2296	1.5705%	2296	455	5.0 2			1.0000E-04
8	13.380		1.7603	12.0430%	17603	1846	9.5 2			1.0000E-04
9	13.707		1.4254	9.7519%	14254	1790	8.0 2			1.0000E-04
10	13.950		0.2297	1.5716%	2297	366	6.3 2			1.0000E-04
11	14.353		2.3628	16.1653%	23628	2653	8.9 2			1.0000E-04
12	14.477		1.6550	11.3225%	16550	2403	6.9 2			1.0000E-04
13	14.957		1.4878	10.1792%	14878	1705	8.7 1			1.0000E-04
14	15.630		0.0764	0.5228%	764	175	4.4 2			1.0000E-04
15	15.747		0.1460	0.9986%	1460	280	5.2 2			1.0000E-04
16	16.003		0.4016	2.7475%	4016	657	6.1 1			1.0000E-04
	16.340		0.0237	0.1621%	237	53	4.5 1			1.0000E-04
	16.630		0.4644	3.1771%	4644	663	7.0 1			1.0000E-04
19	17.377		0.0479	0.3276%	479	99	4.8 1			1.0000E-04

TOTAL AMOUNT = 14.6165

4-30 Min Scale: 10 MV
Sg-19 Processed: 12-17-1991 12:58:28, Segment 11, Cycle 11
Error, duplicate file name = D:RER211.PTS
RAW DATA SAVED IN FILE D:RFR211.PTS

EXTERNAL STANDARD TABLE

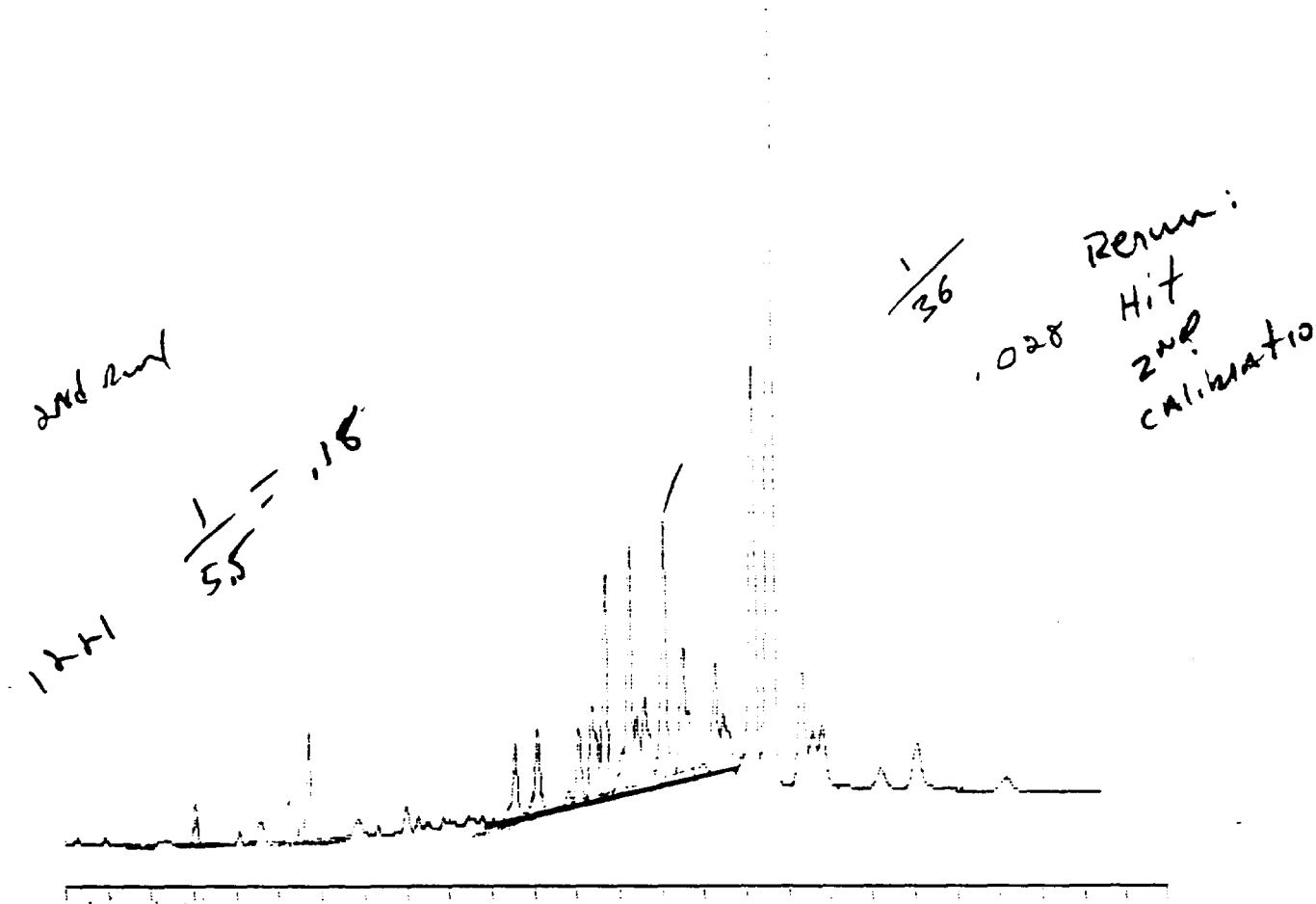
12-17-1991 12:59:50 Version 5.1

Sample Name: ~~cc-1~~ CC42 Data File: D:RFR211
Date: 12-17-1991 22:14:19 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 11 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.657		0.3348	3.8259%	3348	576	5.8	1			1.0000E-04
2	10.763		0.8480	9.6913%	8480	1024	8.3	1			1.0000E-04
3	11.283		0.4876	5.5719%	4876	771	6.3	1			1.0000E-04
4	11.697		0.0212	0.2418%	212	48	4.5	1			1.0000E-04
5	11.960		1.6502	18.8580%	16502	2035	8.1	2			1.0000E-04
6	12.240		0.5417	6.1905%	5417	894	6.1	2			1.0000E-04
7	12.453		0.2405	2.7479%	2405	437	5.5	2			1.0000E-04
8	12.820		0.2285	2.6108%	2285	448	5.1	1			1.0000E-04
9	12.953		0.0256	0.2928%	256	86	3.0	1			1.0000E-04
10	13.407		0.2552	2.9162%	2552	482	5.3	1			1.0000E-04
11	13.737		0.4384	5.0102%	4384	635	6.9	1			1.0000E-04
12	14.387		0.7540	8.6169%	7540	923	8.2	2			1.0000E-04
13	14.513		0.6393	7.3054%	6393	952	6.7	2			1.0000E-04
14	14.990		0.5085	5.8106%	5085	622	8.2	1			1.0000E-04
15	20.073		1.4313	16.3566%	14313	1500	9.5	2			1.0000E-04
16	20.480	OBC	0.3459	3.9530%	87411	8579	10.2	2	16	0	3.9573E-06

TOTAL AMOUNT = 8.7505



70 Min Scale: 10 MV
260/21 Processed: 12-~~17~~18-1991 9:35 21:35:16, segment 1, cycle 1
RAW DATA SAVED IN FILE D:R11.PTS

EXTERNAL STANDARD TABLE

12-17-1991 21:36:42 Version 5.1

Sample Name: ck1260/21 Data File: D:R11

Date: 12-~~17~~18-1991 21:36:06 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 1 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

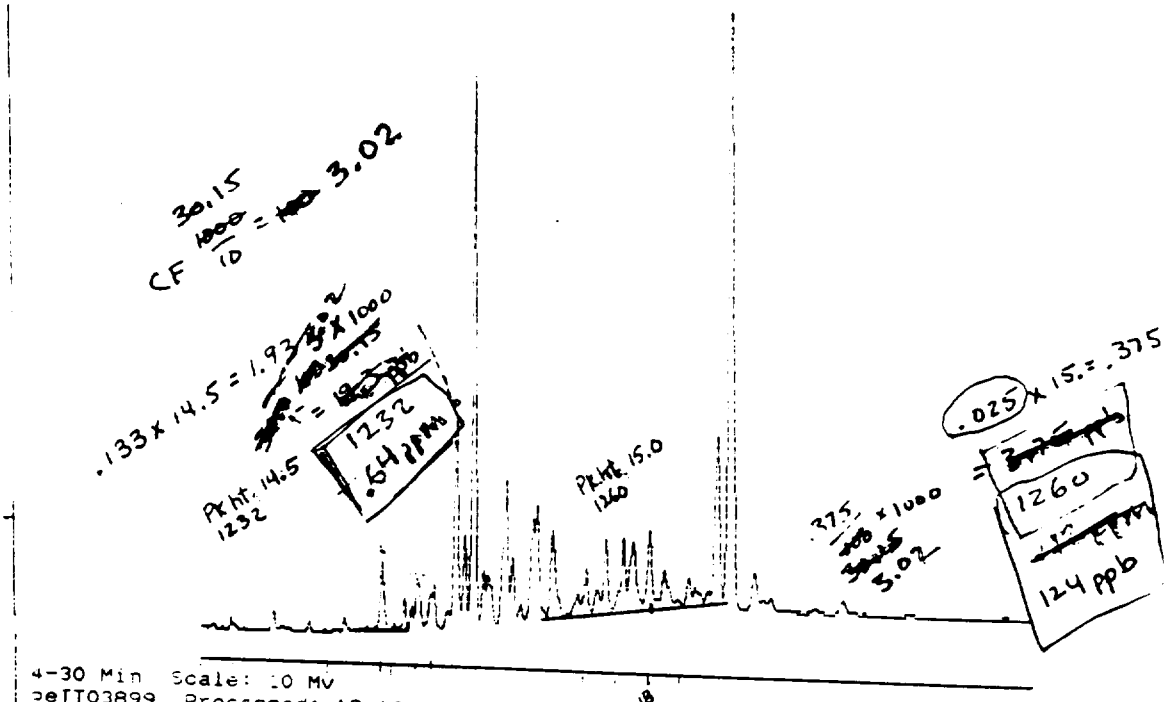
Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.030		0.2189	1.3112%	2189	409	5.4	1			1.0000E-04
2	8.540		0.0246	0.1472%	246	56	4.4	1			1.0000E-04
3	9.233		0.2355	1.4106%	2355	403	5.8	1			1.0000E-04
4	9.507		0.0316	0.1893%	316	97	3.3	1			1.0000E-04
5	9.683		0.6859	4.1092%	6860	1115	6.2	1			1.0000E-04
6	11.997		0.0252	0.1511%	252	52	4.9	1			1.0000E-04
7	14.550		0.4381	2.6241%	4381	723	6.1	1			1.0000E-04
8	15.083		0.5244	3.1414%	5244	826	6.3	1			1.0000E-04



4-30 Min Scale: 10 MV
peTT03899 Processed: 12-18-1991 13:38:02, Segment 3, Cycle 3
RAW DATA SAVED IN FILE D:LD13.PTS

EXTERNAL STANDARD TABLE

* Sample Name: peTT03899
* Date: 12-18-1991 15:15:23 Method: PCB 12-10-1991 10:26:32 # 24
Data File: D:LD13
* Interface: 16 Cycle#: 3 Operator Channel#: 0 Vial#: N.A.
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
* Instrument Type: TRACOR 540 Column Type: SPB-5
* Solvent Description:
* Conditions: pro #2
* Detector 0:
* Misc. Information: 9 cc/min He Detector 1: FID

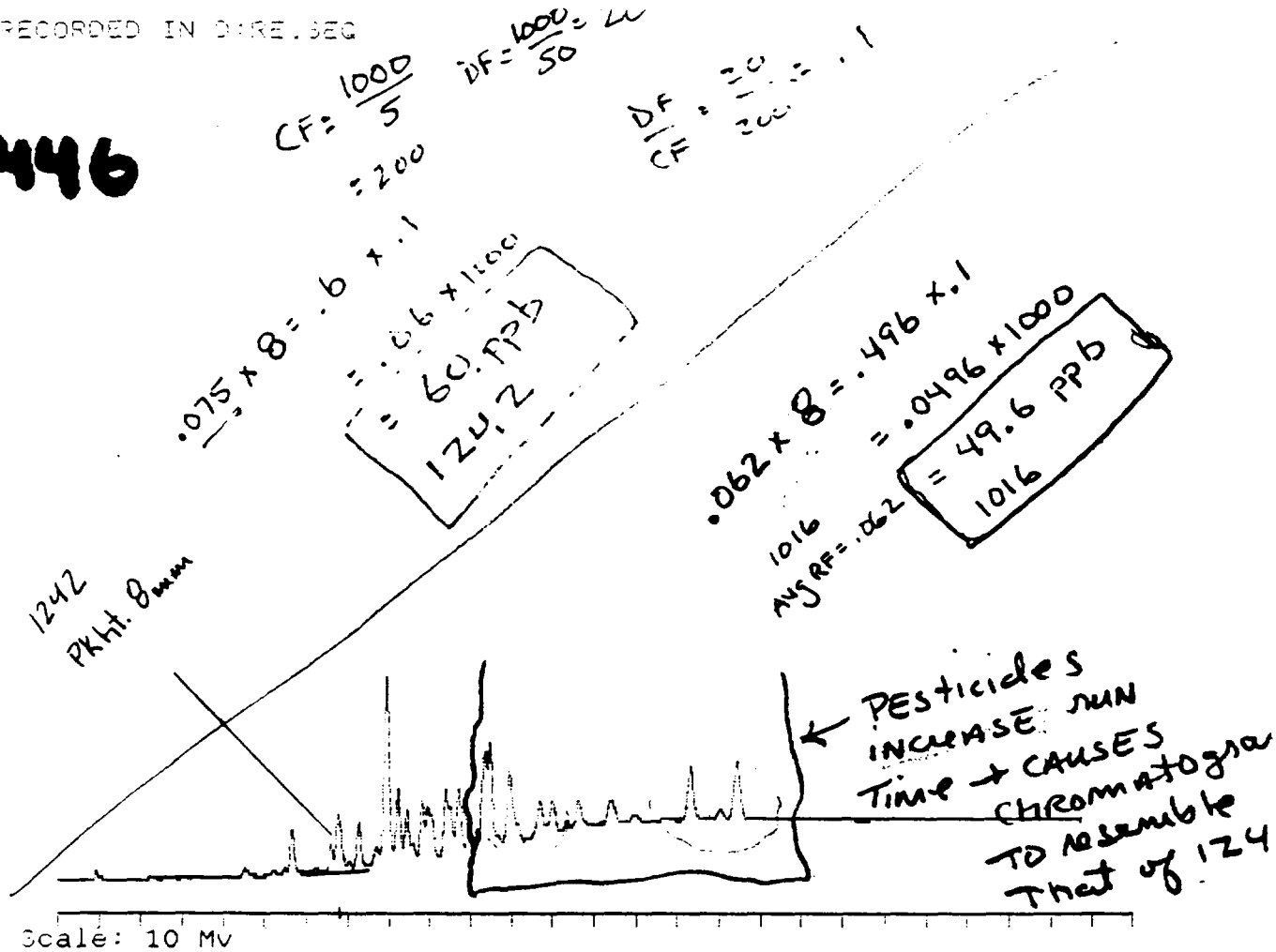
Starting Delay: 4.00
Area reject: 10
Amount injected: 1.00
Sample Weight: 1.00000
Ending retention time: 30.00
One sample per 0.200 sec.
Dilution factor: 1.00

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.927		0.0125	0.0594%	125	53	2.4	1			1.0000E-04
2	6.267		0.0190	0.0941%	190	57	3.5	1			1.0000E-04
3	8.533		0.0127	0.0606%	127	39	3.3	1			1.0000E-04
4	9.670		0.7603	3.6161%	7603	954	8.0	1			1.0000E-04
5	10.383		0.2165	1.0297%	2165	391	5.5	1			1.0000E-04
6	10.617		0.0276	0.1314%	276	71	3.9	1			1.0000E-04
7	10.707		0.0613	0.2916%	613	112	5.5	1			1.0000E-04
8	11.193		0.0373	0.1774%	373	78	4.8	1			1.0000E-04
9	11.293		0.1404	0.6677%	1404	281	5.0	1			1.0000E-04
10	11.903		2.3584	11.2164%	23584	2922	8.1	2			1.0000E-04
11	12.260		0.8003	3.8063%	8003	1156	6.9	2			1.0000E-04
12	12.540		5.5940	26.6045%	55940	7887	7.1	2			1.0000E-04
13	12.843		0.2190	1.0455%	2190	426	5.2	1			1.0000E-04
14	12.987		0.0254	0.1209%	254	72	3.6	1			1.0000E-04
15	13.550		1.9665	9.3525%	19665	1957	10.1	2			1.0000E-04
16	13.757		0.6357	3.0234%	6357	830	7.7	2			1.0000E-04
17	14.010		0.0179	0.0849%	179	48	3.7	1			1.0000E-04
18	14.403		1.1420	5.4314%	11420	1322	8.6	2			1.0000E-04
19	14.533		1.0625	5.0529%	10625	1490	7.1	2			1.0000E-04
20	15.013		0.9495	4.5158%	9495	1049	9.0	1			1.0000E-04
21	16.060		0.3057	1.4539%	3057	488	6.3	1			1.0000E-04
22	16.377		0.0343	0.1632%	343	50	6.9	1			1.0000E-04
23	16.660		0.6444	3.0649%	6444	885	7.3	1			1.0000E-04
24	17.217		0.4863	2.3129%	4863	778	6.3	1			1.0000E-04
25	17.517		0.0815	0.3875%	815	74	11.0	1			1.0000E-04
26	18.027		0.7251	3.4483%	7251	928	7.8	1			1.0000E-04
27	18.477		0.0436	0.2075%	436	90	4.8	1			1.0000E-04
28	19.243		0.0327	0.1556%	327	54	6.0	1			1.0000E-04
29	20.113		2.1853	10.3929%	21853	2286	9.6	2			1.0000E-04
30	20.537	DBC	0.3774	1.7950%	96120	9218	10.4	2	30	0	3.9266E-06
31	21.287		0.0495	0.2356%	495	55	9.0	1			1.0000E-04

TOTAL AMOUNT = 21.0264

SEQUENCE RECORDED IN D:RE.SEQ

PE
000 3446



4-30 Min Scale: 10 MV
000346-7 Processed: 12-18-1991 16:05:08, segment 1, cycle 7
DATA SAVED IN FILE D:LD17.PTS

EXTERNAL STANDARD TABLE

12-18-1991 16:06:32 Version 5.1

Sample Name: pe000346-re 200ul DF Data File: D:LD17

Date: 12-18-1991 16:05:56 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 7 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

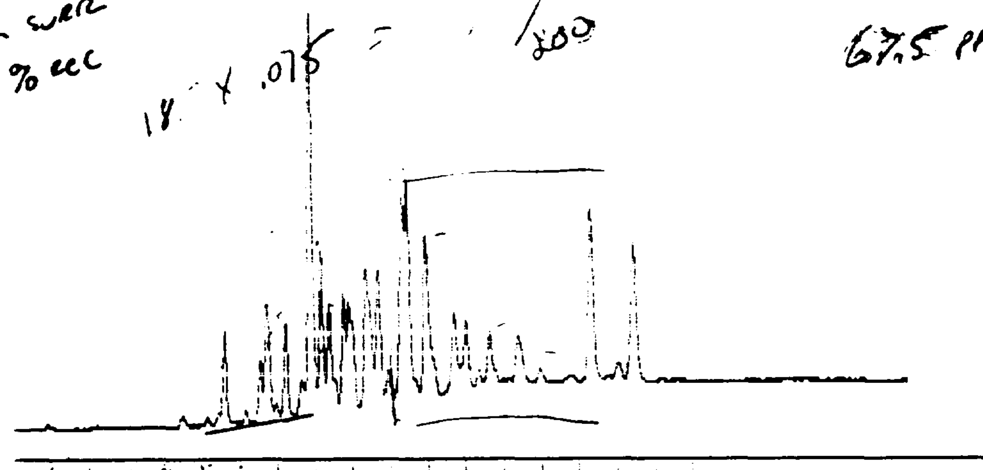
Misc. Information: 9 cc/min He

Starting Delay:	4.00	Ending retention time:	30.00
Area reject:	10	One sample per	0.200 sec.
Amount injected:	1.00	Dilution factor:	1.00
Sample Weight:	1.00000		

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.660		0.2607	4.6570%	2607	469	5.6	1			1.0000E-04
2	10.600		0.0809	1.4459%	809	194	4.2	1			1.0000E-04
	10.773		0.0514	0.9190%	514	88	5.8	1			1.0000E-04
	11.283		0.2873	5.1335%	2873	482	6.0	1			1.0000E-04
5	11.963		1.6059	28.6912%	16059	2043	7.9	2			1.0000E-04
6	12.240		0.4344	7.7608%	4344	738	5.9	2			1.0000E-04
7	12.453		0.2164	3.8666%	2164	404	5.4	1			1.0000E-04
8	12.817		0.2069	3.6962%	2069	412	5.0	1			1.0000E-04
9	12.957		0.0227	0.4056%	227	68	3.3	1			1.0000E-04

Brought down to 5ml
1 ppm surr
92 % rec

18 × .075 = /200 × 10 = 67.5 ppb



4-30 Min Scale: 10 MV
pe000346-1 Processed: 12-18-1991 16:41:32, segment 1, cycle 8
RAW DATA SAVED IN FILE D:LD18.PTS

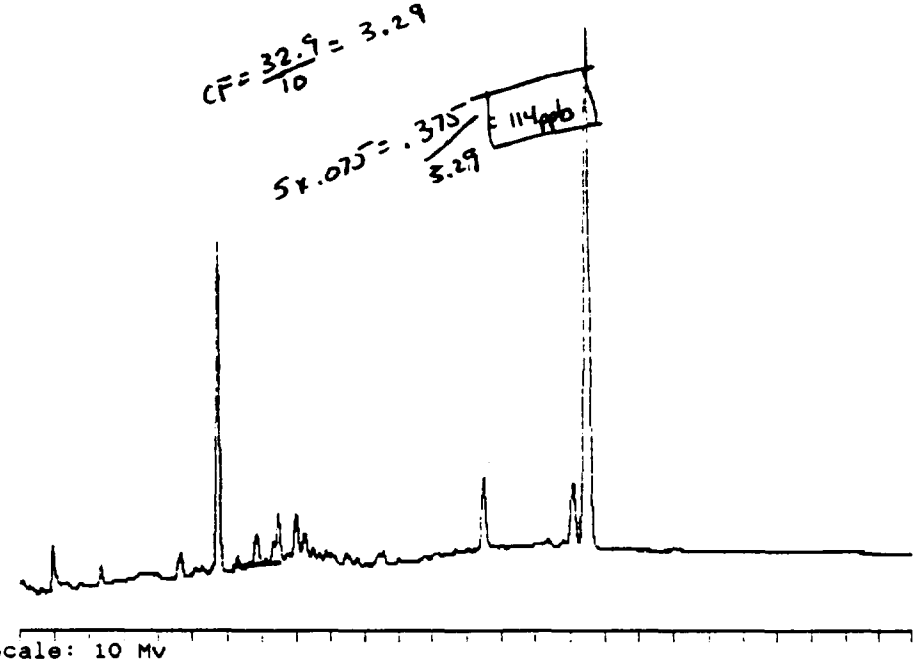
***** EXTERNAL STANDARD TABLE *****

```
******************** 12-18-1991 16:42:56 Version 5.1 *********************
* Sample Name: pe000346-100ul                          Data File: D:LD18       *
* Date: 12-18-1991 16:42:02 Method: PCB  12-10-1991 10:26:32  #  24        *
* Interface: 16  Cycle#:  8   Operator DE  Channel#: 0   Vial#: N.A.       *
* Starting Peak Width:  2   Threshold: 5  Area Threshold: 10              *
****************************************************************************
* Instrument Type: TRACOR 540           Column Type: SPB-5                 *
*              Solvent Description:                                        *
* Conditions: pro #2                                                       *
*            Detector 0:                        Detector 1: FID            *
* Misc. Information: 9 cc/min He                                           *
****************************************************************************
```

Starting Delay: 4.00
Area reject: 10
Amount injected: 1.00
Sample Weight: 1.00000
Ending retention time: 30.00
One sample per 0.200 sec.
Dilution factor: 1.00

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.613		0.6896	3.3958%	6896	1115	6.2	1			1.0000E-04
2	10.560		0.4020	1.9796%	4020	716	5.6	2			1.0000E-04
3	10.727		1.2996	6.3999%	12996	1406	9.2	2			1.0000E-04
4	11.237		0.7510	3.6983%	7510	1170	6.4	1			1.0000E-04
5	11.653		0.0360	0.1771%	360	74	4.9	1			1.0000E-04
6	11.920		3.9103	19.2562%	39103	4884	8.0	1			1.0000E-04
7	12.200		1.0528	5.1846%	10528	1730	6.1	2			1.0000E-04
8	12.413		0.5735	2.8243%	5735	1005	5.7	2			1.0000E-04
9	12.780		0.5696	2.8052%	5696	1006	5.7	2			1.0000E-04
10	12.920		0.2285	1.1251%	2285	458	5.0	2			1.0000E-04
11	13.380		0.5059	2.4911%	5059	904	5.6	1			1.0000E-04
12	13.710		1.0125	4.9860%	10125	1443	7.0	1			1.0000E-04
13	13.953		0.1727	0.8505%	1727	297	5.8	1			1.0000E-04
14	14.360		2.1739	10.7056%	21739	2454	8.9	2			1.0000E-04
15	14.487		1.8488	9.1042%	18488	2605	7.1	2			1.0000E-04
16	14.967		1.5555	7.6602%	15555	1809	8.6	1			1.0000E-04
17	15.733		0.6457	3.1797%	6457	809	8.0	1			1.0000E-04
18	16.027		0.4660	2.2948%	4660	681	6.8	1			1.0000E-04
19	16.643		0.3487	1.7173%	3487	541	6.4	1			1.0000E-04
20	17.397		0.0657	0.3234%	657	94	7.0	1			1.0000E-04
21	19.343		1.9064	9.3879%	19064	2130	8.9	1			1.0000E-04
22	20.453	DBC	0.0920	0.4530%	17239	1695	10.2	1	22	0	5.3362E-06

TOTAL AMOUNT = 20.3065



4-30 Min Scale: 10 Mv
sd-19 Processed: 12-18-1991 18:38:50, segment 2, cycle 9
RAW DATA SAVED IN FILE D:LD19.PTS

****** EXTERNAL STANDARD TABLE ******

********** 12-18-1991 18:40:15 Version 5.1 **********
* Sample Name: sd-19 Data File: D:LD19 *
* Date: 12-18-1991 20:30:08 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 9 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

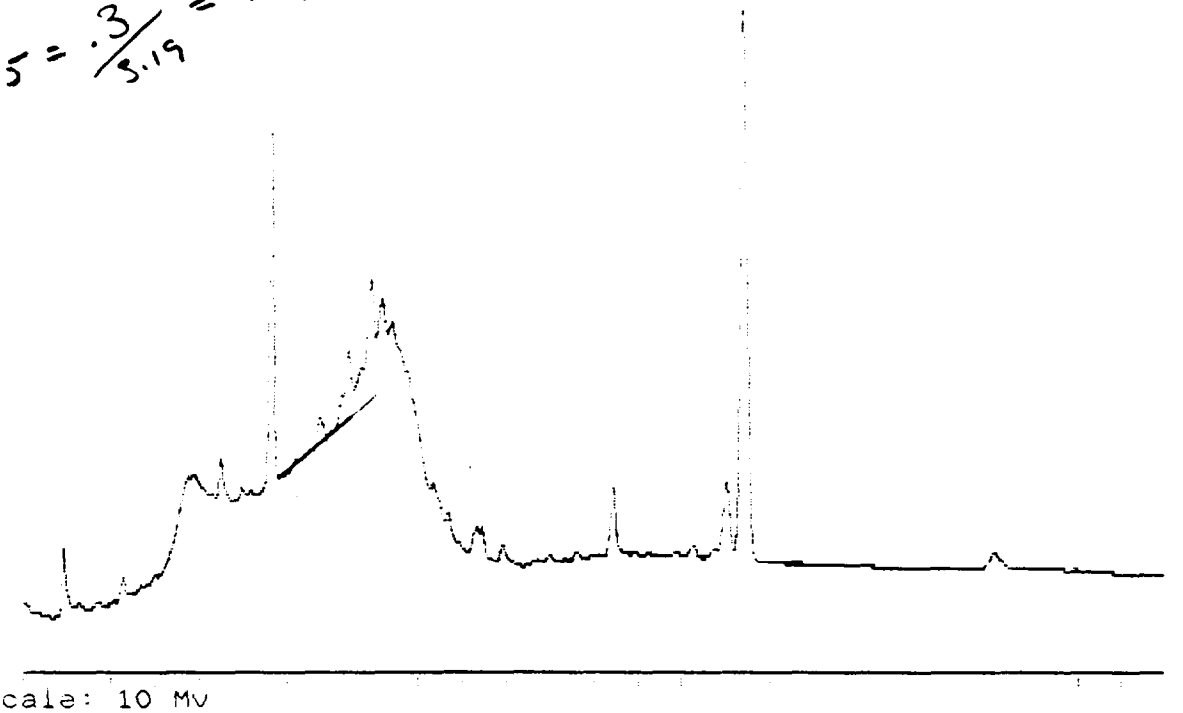
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.973		0.2250	4.3639%	2250	504	4.5	1			1.0000E-04
2	6.347		0.0211	0.4101%	211	61	3.5	1			1.0000E-04
3	8.670		0.0355	0.6890%	355	54	6.6	1			1.0000E-04
4	9.740		2.7149	52.6647%	27149	4503	6.0	1			1.0000E-04
5	10.853		0.0459	0.8904%	459	64	7.2	1			1.0000E-04
6	11.347		0.0256	0.4974%	256	65	3.9	1			1.0000E-04
7	11.497		0.2990	5.7999%	2990	523	5.7	1			1.0000E-04
8	12.020		0.0612	1.1880%	612	102	6.0	1			1.0000E-04
9	12.270		0.0299	0.5798%	299	52	5.8	1			1.0000E-04
10	17.520		0.6896	13.3767%	6896	939	7.3	1			1.0000E-04
11	20.107		0.7106	13.7036%	7106	800	8.9	2			1.0000E-04
12	20.513	DBC	0.2945	5.7131%	73208	7177	10.2	2	12	0	4.0230E-06
13	22.983		0.0022	0.0435%	22	25	0.9	1			1.0000E-04

TOTAL AMOUNT = 5.1551

$CF = \frac{31.9}{10} = 3.1$

$4 \times .075 = \frac{.3}{3.19} = 94\ ppb$



4-30 Min Scale: 10 Mv
Sd-23 Processed: 12-18-1991 19:10:49, segment 3, cycle 10
RAW DATA SAVED IN FILE D:LD110.PTS

**** EXTERNAL STANDARD TABLE ****

********** 12-18-1991 19:12:14 Version 5.1 **********

Sample Name: Sd-23 Data File: D:LD110

Date: 12-18-1991 21:38:22 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 10 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00

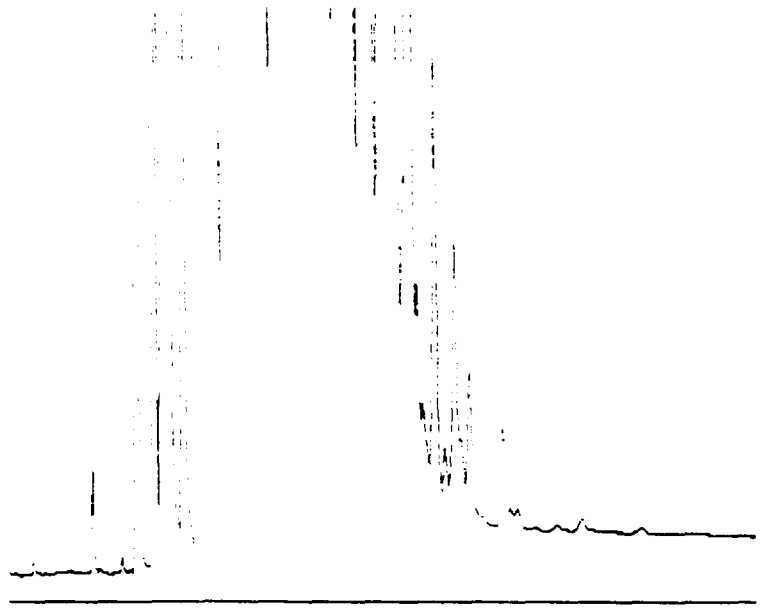
Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.920		0.2578	5.2345%	2578	585	4.4	1			1.0000E-04
2	6.260		0.0200	0.4052%	200	53	3.8	1			1.0000E-04
3	8.503		0.1708	3.4677%	1708	337	5.1	1			1.0000E-04
4	9.637		2.6790	54.3906%	26790	4051	6.6	1			1.0000E-04
5	10.743		0.0370	0.7504%	370	55	6.7	1			1.0000E-04
6	11.267		0.0292	0.5920%	292	30	9.7	1			1.0000E-04
7	11.397		0.2675	5.4314%	2675	458	5.8	1			1.0000E-04
	11.923		0.5845	11.8662%	5845	737	7.9	1			1.0000E-04
	12.177		0.0489	0.9928%	489	85	5.7	1			1.0000E-04
10	17.440		0.4937	10.0227%	4937	651	7.6	1			1.0000E-04
11	20.013		0.0776	1.5749%	776	112	6.9	1			1.0000E-04
12	20.423	DBC	0.2596	5.2715%	63570	6033	10.5	1	12	0	4.0843E-06

TOTAL AMOUNT = 4.9254



-30 Min Scale: 10 Mv
D-31 Processed: 12-19-1991 18:23:50, segment 4, cycle 37
RAW DATA SAVED IN FILE D:LD137.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-19-1991 18:25:22 Version 5.1 **********
Sample Name: SD-31 Data File: D:_D137
Date: 12-14-1991 20:17:29 Method: PCB 12-10-1991 10:26:32 # 24
Inj#: 31 Cycle#: 37 Operator: ML Channel#: 1 Vial#: N.A.
Starting Peak Width: 5 Threshold: 5 Area Threshold: 10
Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 5 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area Reject: 10 One sample per 0.200 sec.
Inj injected: 1.00 Dilution Factor: 1000.00
Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT R.		REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.6[illegible]		47.8600	0.0011%	47[illegible]	144	3.3	1			1.0000E-01
2	6.8[illegible]		948.9200	0.0225%	9469	1652	5.7	1			1.0000E-01
3	7.9[illegible]		69.6200	0.0017%	696	162	4.3	1			1.0000E-01
4	8.50[illegible]		20447.0509	0.4857%	204471	31506	6.5	1			1.0000E-01
5	9.[illegible]		20935.6621	0.4973%	209357	30381	6.9	1			1.0000E-01
6	9.39[illegible]		23559.5361	0.5596%	235595	37713	6.2	1			1.0000E-0[illegible]
7	9.5[illegible]		112907.1910	2.6819%	1129072	160526	7.0	1			1.0000E-01
8	10.12[illegible]		24034.0195	0.5709%	240340	34785	6.9	1			1.0000E-01
9	10.69[illegible]		250592.3440	5.9524%	2505924	253572	9.9	1			1.0000E-01
10	10.950		34001.5270	0.8076%	340015	45325	7.5	1			1.0000E-01
11	11.19[illegible]		165091.8280	3.9215%	1650918	221426	7.5	1			1.0000E-01
12	11.60[illegible]		81861.4610	1.9445%	818615	83827	9.8	1			1.0000E-01
13	11.87[illegible]		591526.1200	14.0507%	5915262	658510	9.0	2			1.0000E-01
14	12.13[illegible]		211106.2660	5.0145%	2111063	286649	7.4	1			1.0000E-01
15	12.36[illegible]		165308.0470	3.9266%	1653081	215011	7.7	1			1.0000E-01
16	12.51[illegible]		40650.4100	0.9656%	406504	65575	6.2	1			1.0000E-01
17	12.73[illegible]		137544.2340	3.2671%	1375442	191850	7.2	1			1.0000E-01
18	12.87[illegible]		139145.7970	3.3052%	1391458	188911	7.4	1			1.0000E-01
19	12.957		104157.2580	2.4741%	1041573	164494	6.3	1			1.0000E-01
20	13.32[illegible]		298153.3100	7.0821%	2981533	240147	12.4	1			1.0000E-01
21	13.653		228376.8120	5.4247%	2283768	261186	8.7	1			1.0000E-01
22	13.897		65026.5900	1.5446%	650266	73336	8.9	1			1.0000E-01
23	14.293		327333.2800	7.7752%	3273333	329654	9.9	2			1.0000E-01
24	14.420		266800.8400	6.3374%	2668009	351133	7.6	1			1.0000E-01
25	14.620		29526.8809	0.7014%	295269	39100	7.5	1			1.0000E-01
26	14.897		357544.0600	8.4929%	3575441	294650	12.1	2			1.0000E-01
27	15.587		36149.6680	0.8587%	361497	48563	7.4	1			1.0000E-01
28	15.700		75139.5230	1.7848%	751395	84596	8.9	1			1.0000E-01
29	15.957		131947.8910	3.1342%	1319479	124690	10.6	2			1.0000E-01
30	16.290		38026.7930	0.9033%	380268	41153	9.2	1			1.0000E-01
31	16.573		85764.2270	2.0372%	857642	93230	9.2	2			1.0000E-01
32	16.923		14811.0352	0.3518%	148110	15228	9.7	1			1.0000E-01
33	17.107		10415.8604	0.2474%	104159	13810	7.5	2			1.0000E-01
34	17.317		75899.0700	1.8029%	758991	80198	9.5	2			1.0000E-01
	[illegible]23		3490.5635	0.0831%	34906	4574	7.6	2			1.0000E-01
	3		27123.5762	0.6443%	271236	26450	10.3	2			1.0000E-01
	.67		2032.3822	0.0483%	20324	2741	7.4	2			1.0000E-01
36	18.363		439.5670	0.0104%	4396	680	6.5	2			1.0000E-01
39	18.777		6660.8999	0.1584%	66689	7000	9.5	1			1.0000E-01
40	19.11[illegible]		64.2000	0.0015%	642	121	5.3	1			1.0000E-01
41	19.473		3227.3599	0.0767%	32274	3616	8.9	1			1.0000E-01
42	19.967		1948.3400	0.0463%	19483	2138	9.1	1			1.0000E-01
43	21.140	BBC	86.5546	0.0021%	15737	1483	10.6	1	43	0	5.5042E-03

TOTAL AMOUNT = 4209940.0000

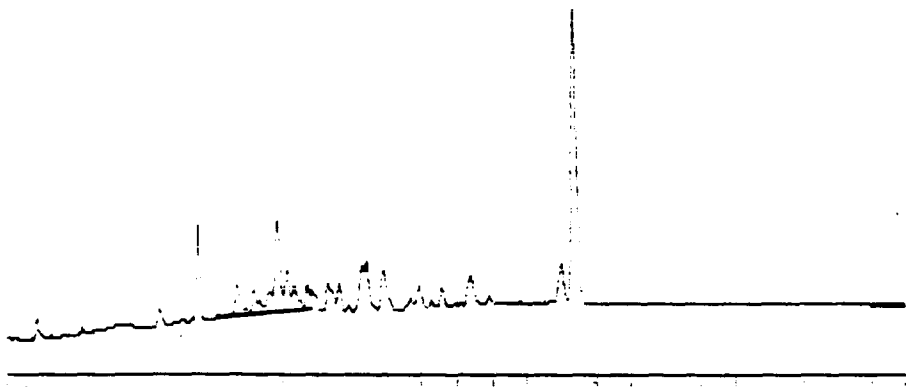
$DF = \frac{1000}{500} = 2$

$CF = \frac{33.2}{10} = 3.32$

$\frac{DF}{CF} = \frac{2}{3.32} = .602$

$.075 \times 5 = .375 \times .602$

$= .226$ ppm



4-30 Min Scale: 10 MV
SD-20 Processed: 12-19-1991 19:00:06, segment 10, cycle 38
RAW DATA SAVED IN FILE D:LD138.PTS

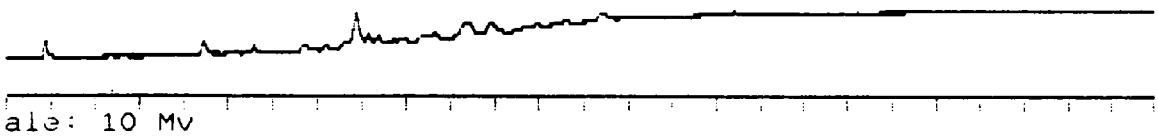
***** EXTERNAL STANDARD TABLE *****

********** 12-19-1991 19:01:35 Version 5.1 **********
Sample Name: SD-20 Data File: D:LD138
Date: 12-20-1991 00:30:07 Method: PCB 12-10-1991 10:26:02 # 24
Interface: 16 Cycle#: 38 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
Instrument Type: TRACOR 540 Column Type: SPE-5
Solvent Description:
Conditions pro #2
Detector 0 Detector 1: FID
Misc. Information: 30 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected 1.0% Dilution factor: 2.00
Sample weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION PPM	NORMALIZED CONC	AREA	HEIGHT	AREA HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.870		0.1528	2.9534%	764	206	3.7	1			2.0000E-04
2	8.453		0.0367	0.7090%	183	45	4.1	1			2.0000E-04
3	9.580		1.5535	30.0277%	7768	1276	6.1	1			2.0000E-04
4	10.697		0.1009	1.9506%	505	76	6.6	1			2.0000E-04
5	11.200		0.0686	1.3267%	343	91	3.8	1			2.0000E-04
6	11.887		1.6613	32.1107%	8307	1052	7.9	2			2.0000E-04
7	12.160		0.4823	9.3221%	2411	392	6.1	2			2.0000E-04
8	12.380		0.0337	0.6514%	169	50	3.4	1			2.0000E-04
9	12.740		0.0575	1.1118%	288	72	4.0	1			2.0000E-04
10	13.350		0.0734	1.4187%	367	92	4.0	1			2.0000E-04
11	13.660		0.0485	0.9378%	243	58	4.2	1			2.0000E-04
12	14.310		0.1168	2.2584%	584	80	7.3	1			2.0000E-04
13	14.433		0.0324	0.6255%	162	62	2.6	1			2.0000E-04
14	14.920		0.1151	2.2243%	575	86	6.7	1			2.0000E-04
	15.970		0.0386	0.7507%	194	56	3.5	1			2.0000E-04
	16.593		0.0191	0.3684%	95	30	3.2	1			2.0000E-04
15	17.390		0.1137	2.1980%	569	60	9.4	1			2.0000E-04
16	20.007		0.1074	2.0759%	537	84	6.4	1			2.0000E-04
17	20.413	BB	0.3611	6.9788%	41709	4064	10.3	1	16	0	8.6570E-06

TOTAL AMOUNT = 5.1727



4-30 Min Scale: 10 Mv
Blk Processed: 12-19-1991 19:36:22, segment 11, cycle 39
RAW DATA SAVED IN FILE D:LD139.PTS

EXTERNAL STANDARD TABLE

********** 12-19-1991 19:37:49 Version 5.1 **********
* Sample Name: Blk Data File: D:LD139 *
* Date: 12-20-1991 01:42:44 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 39 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.873		0.0116	28.7124%	116	49	2.4 1			1.0000E-04
2	11.890		0.0289	71.2876%	289	56	5.2 1			1.0000E-04

TOTAL AMOUNT = 0.0405

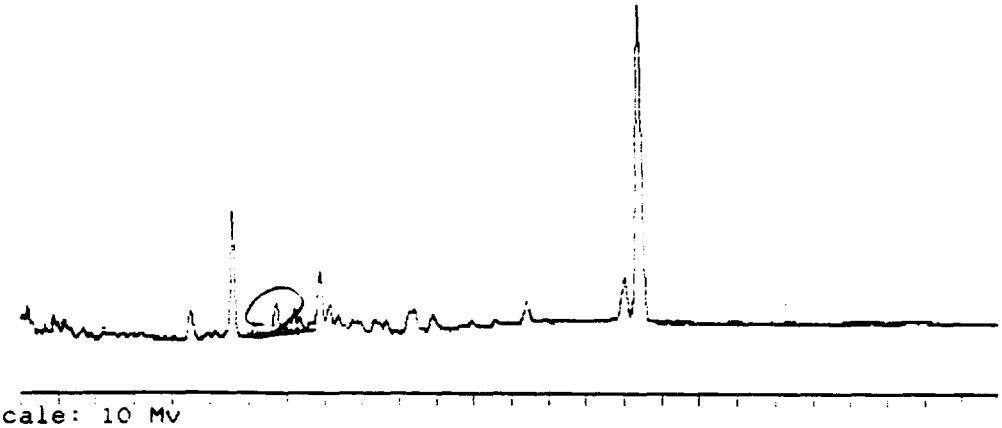
$DF = \frac{100}{500}$

$CF = \frac{31.9}{10} = 3.19$

$DF/CF = .627$

$.075 \times 5 = .375 \times .627$

$= .235$ ppm



4-30 Min Scale: 10 Mv
SD-21 Processed: 12-19-1991 20:12:40, segment 12, cycle 40
RAW DATA SAVED IN FILE D:LD140.PTS

EXTERNAL STANDARD TABLE

12-19-1991 20:14:09 Version 5.1

Sample Name: SD-21 Data File: D:LD140
Date: 12-20-1991 02:55:16 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 40 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount Injected: 1.00 Dilution factor: 2.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.172		0.0273	0.9345%	136	55	2.5	1			2.0000E-04
2	4.873		0.0860	2.9447%	430	136	3.2	1			2.0000E-04
3	8.500		0.1020	3.4928%	510	69	7.4	1			2.0000E-04
4	9.583		1.9698	67.4800%	9849	1524	6.5	1			2.0000E-04
5	10.730		0.0838	2.8694%	419	71	5.9	1			2.0000E-04
6	11.197		0.0556	1.9033%	278	69	4.0	1			2.0000E-04
7	11.880		0.1321	4.5240%	660	127	5.2	1			2.0000E-04
8	20.007		0.0943	3.2291%	471	61	7.8	1			2.0000E-04
	20.413	DBC	0.3685	12.6222%	42730	4031	10.6	1	9	0	8.6230E-06

TOTAL AMOUNT = 2.9191

4-30 Min Scale: 10 MV
BLK Processed: 12-19-1991 20:49:04, segment 1, cycle 41
RAW DATA SAVED IN FILE D:LD141.PTS

EXTERNAL STANDARD TABLE

********** 12-19-1991 20:50:30 Version 5.1 **********
* Sample Name: BLK Data File: D:LD141 *
* Date: 12-20-1991 04:08:08 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 41 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA

TOTAL AMOUNT = 0.0000

$DF = \frac{1000}{500} = 2$

$CF = \frac{31.5}{10} = 3.15$

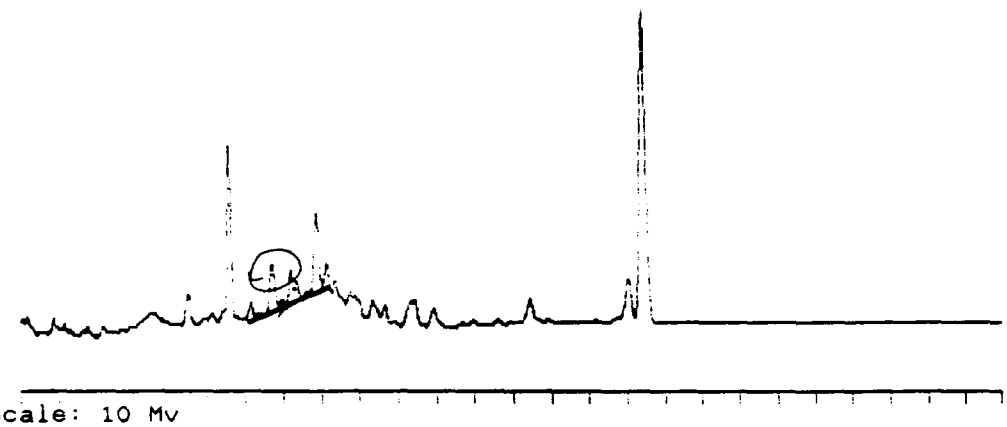
$\frac{DF}{CF} = \frac{2}{3.15} = .635$

$.075 \times 7 = .525$

$\times .635$

$.33$ ppm

PK ht. = 7 mm



4-30 Min Scale: 10 Mv
SD-21D Processed: 12-19-1991 21:25:39, segment 2, cycle 42
''' DATA SAVED IN FILE D:LD142.PTS

**** EXTERNAL STANDARD TABLE *****

********** 12-19-1991 21:27:07 Version 5.1 **********

Sample Name: SD-21D Data File: D:LD142

Date: 12-20-1991 05:21:13 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 42 Operator ML Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00

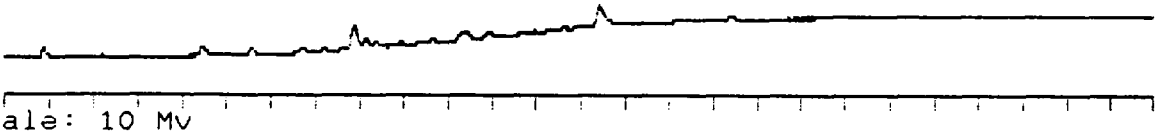
Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 2.00

Sample weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.877		0.0251	0.4538%	126	50	2.5	1			2.0000E-04
2	8.503		0.1040	1.8784%	520	68	7.7	1			2.0000E-04
3	9.583		2.8664	51.7808%	14332	2188	6.5	1			2.0000E-04
4	10.717		0.1345	2.4293%	672	91	7.4	1			2.0000E-04
5	11.210		0.3622	6.5434%	1811	314	5.8	1			2.0000E-04
6	11.890		1.4716	26.5846%	7358	918	8.0	1			2.0000E-04
7	12.160		0.0566	1.0225%	283	65	4.3	1			2.0000E-04
8	13.337		0.0414	0.7486%	207	54	3.8	1			2.0000E-04
	14.017		0.1087	1.9640%	544	76	7.2	1			2.0000E-04
	14.427 DBT		0.3651	6.5947%	42260	3959	10.7	1	10	0	8.6384E-06

TOTAL AMOUNT = 5.5357



4-30 Min Scale: 10 Mv
BLK Processed: 12-19-1991 22:02:07, segment 3, cycle 43
RAW DATA SAVED IN FILE D:LD143.PTS

EXTERNAL STANDARD TABLE

********** 12-19-1991 22:03:33 Version 5.1 **********
* Sample Name: BLK Data File: D:LD143 *
* Date: 12-20-1991 06:34:13 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 43 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

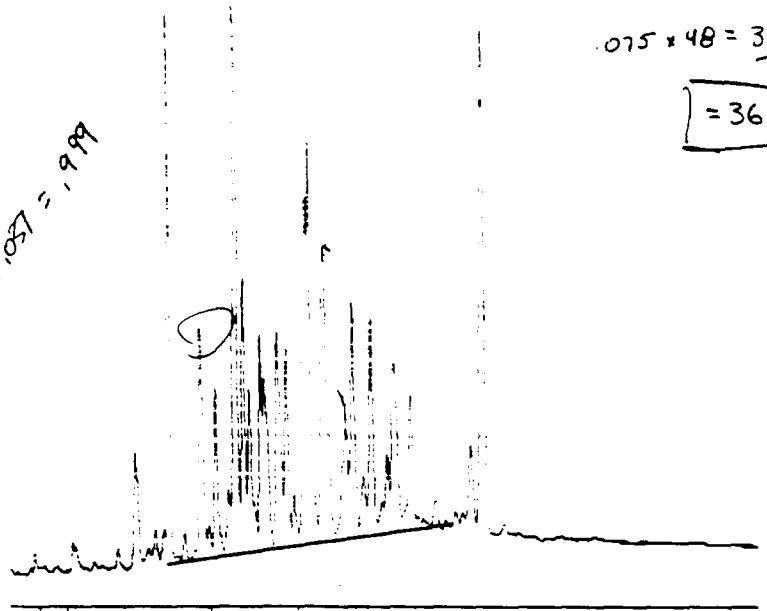
PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA

TOTAL AMOUNT = 0.0000

$CF = \frac{500}{5} \times 100$

$.075 \times 48 = 3.6 \times 1000 / 100$

= 36 ppb



-20 MI Scale: 10 MV
-18MS Processed: 12-19-1991 22:38:47, segment 4, cycle 44
-- DAT- SAVED IN FILE D:LD144.PTS

****** EXTERNAL STANDARD TABLE *******

12-19-1991 22:40:19 Version 3.1

Sample Name: Sw-18MS Data File: D:LD144-
Date: 12-20-1991 07:47:27 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 44 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0 Detector 1: FID
Information: 9 cc/min He

Sampling Delay: 4.00 Ending retention time: 30.00
Area Reject: 10 One sample per 0.200 sec.
Amount Injected: 1.00 Dilution Factor 1.00
Sample Weight: 1.00000

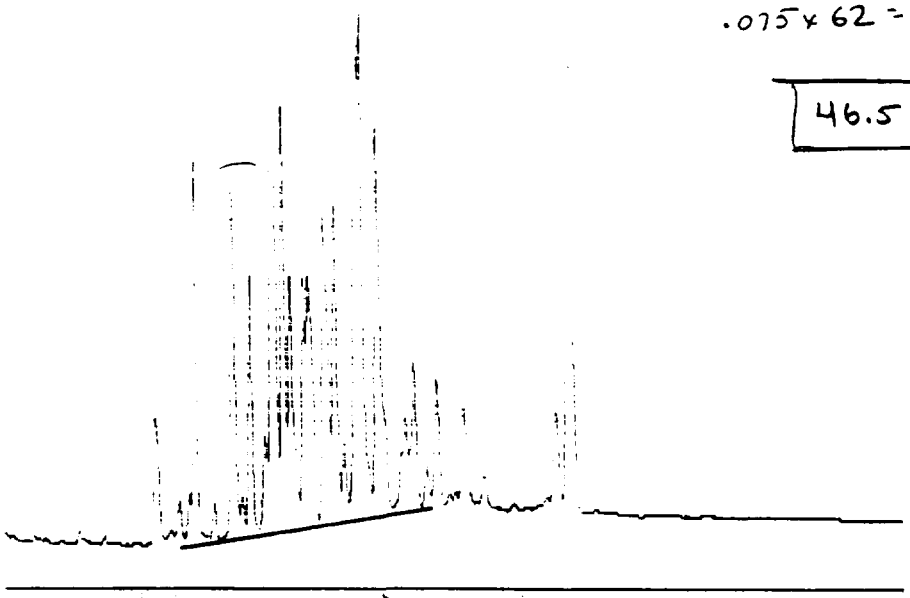
PEAK #	RET TIME	PEAK NAME	CONCENTRATION PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	4.860		0.0942	0.1320%	942	249	3.8	1			1.0000E-04
	[illegible]		0.0417	0.0584%	417	106	3.9	1			1.0000E-04
	7.800		0.0283	0.0396%	283	77	3.6	1			1.0000E-04
	8.423		1.7291	2.4231%	17291	1756	9.8	1			1.0000E-04
	9.107		0.0382	0.0536%	382	94	4.0	1			1.0000E-04
	9.547		0.1901	0.2664%	1901	459	4.1	2			1.0000E-04
	9.967		6.3249	8.8635%	63249	9309	6.8	2			1.0000E-04
9	10.127		0.0365	0.0511%	365	86	4.2	1			1.0000E-04
	10.677		3.4865	4.8858%	34865	3809	9.2	2			1.0000E-04
	10.943		0.2323	0.3255%	2323	379	6.1	2			1.0000E-04
	11.170		1.7755	2.4881%	17755	2687	6.6	1			1.0000E-04
	11.610		0.8130	1.1394%	8130	967	8.4	2			1.0000E-04
	11.860		8.7803	12.3042%	87803	9869	8.9	2			1.0000E-04
	12.247		3.5201	4.9329%	35201	4525	7.8	2			1.0000E-04
	12.560		1.9815	2.7768%	19815	2588	7.7	2			1.0000E-04
	12.810		0.3852	0.5398%	3852	707	5.4	2			1.0000E-04
	13.730		2.5246	3.5378%	25246	3478	7.3	2			1.0000E-04
	12.867		3.1730	4.4465%	31730	2732	11.6	2			1.0000E-04
	13.320		4.0086	5.6175%	40086	3574	11.2	2			1.0000E-04
	13.647		2.6530	3.7178%	26530	3306	8.0	2			1.0000E-04
	13.893		0.4544	0.6367%	4544	657	6.9	2			1.0000E-04
	14.250		4.7443	6.6484%	47443	5391	8.8	2			1.0000E-04
	14.417		4.6190	6.4729%	46190	6106	7.6	2			1.0000E-04
	14.920		6.7071	9.3990%	67071	4709	14.2	1			1.0000E-04
	15.693		2.1372	2.9950%	21372	2001	10.7	2			1.0000E-04
	15.950		3.2186	4.5103%	32186	3882	8.3	2			1.0000E-04
	16.283		0.6869	0.9626%	6869	767	9.0	2			1.0000E-04
	16.567		2.9697	4.1616%	29697	3551	8.4	2			1.0000E-04
	16.933		0.0268	0.0376%	268	53	5.1	1			1.0000E-04
	[illegible]97		0.4157	0.5825%	4157	740	5.6	1			1.0000E-04
			0.2968	0.4159%	2968	190	15.6	1			1.0000E-04
		V	1.6884	2.3660%	16884	2017	8.4	1			1.0000E-04
33	18.767		0.0398	0.0557%	398	76	5.2	1			1.0000E-04
34	19.990		1.1861	1.6621%	11861	1252	9.5	1			1.0000E-04
35	20.400	DBC	0.3525	0.4939%	89220	6356	10.7	1	35	0	1.9504E-06

TOTAL AMOUNT = 71.3590

* ht = 62 mm

.075 x 62 = 4.65 / 100

46.5 ppb



4-30 Min Scale: 10 MV
SW-18 Processed: 12-19-1991 20:15:20. Segment 3. [illegible]
RAW DATA SAVED IN FILE D:LD145.FTG

EXTERNAL STANDARD TABLE

12-19-1991 20:16:50 Version 3.1

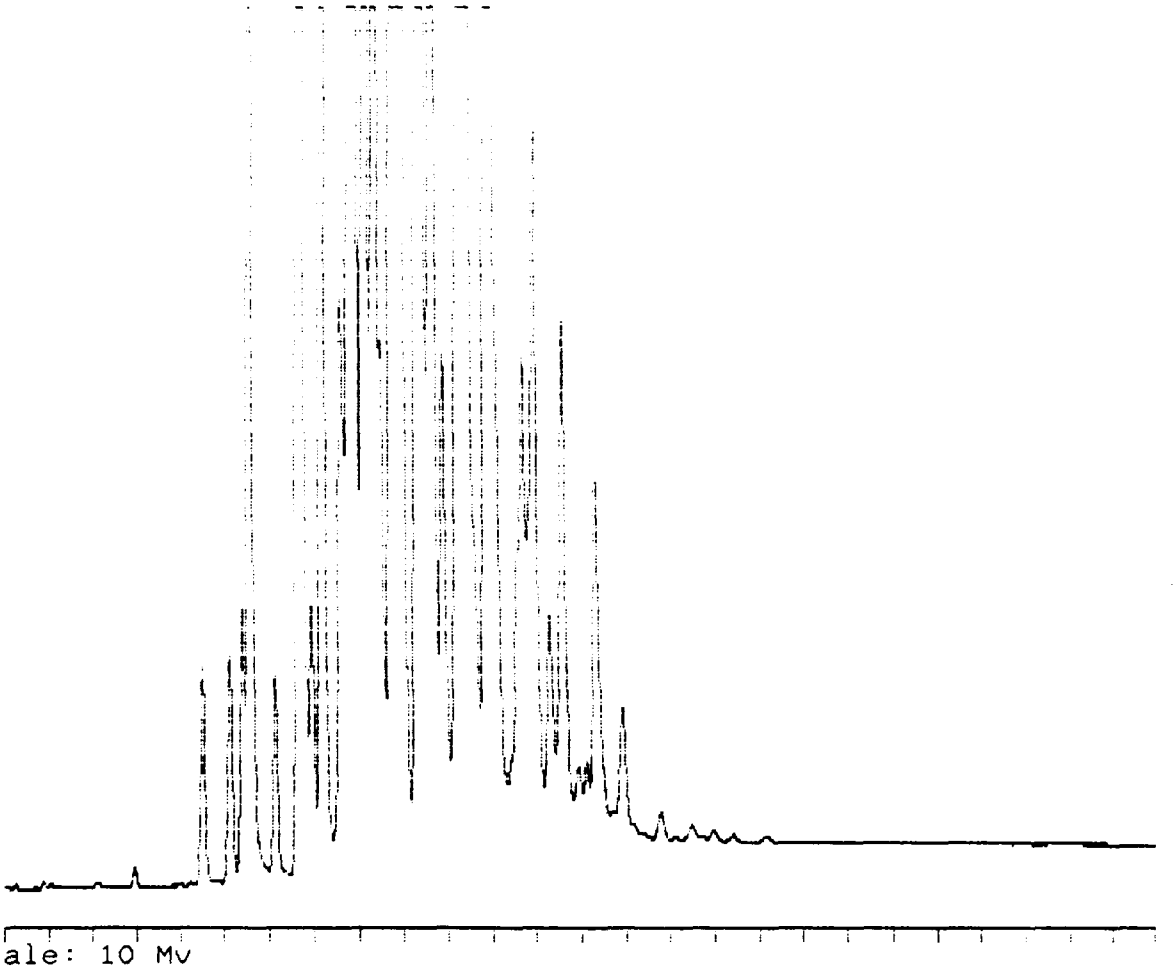
* Sample Name: SW-18 Data File: D:LD145
* Date: 12-20-1991 09:00:30 Method: PCB 12-10-1991 10:26:32 # 24
* Interface: 16 Cycle#: 45 Operator ML Channel#: 0 Vial#: N.A.
* Starting Peak Width: 2 Thresnold: 5 Area Thresnold: 10

* Instrument Type: TRACOR 540 Column Type: SPB-5
* Solvent Description:
* Conditions: pro #2
* Detector 0: Detector 1: FID
* Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.430		1.6666	2.4625%	16666	1660	10.0 1			1.0000E-04
2	9.110		0.2851	0.4212%	2851	456	6.2 1			1.0000E-04
3	9.390		0.3339	0.4933%	3339	575	5.8 2			1.0000E-04
4	9.567		3.7152	5.4894%	37152	5362	6.9 2			1.0000E-04
5	10.127		0.2604	0.3847%	2604	442	5.9 1			1.0000E-04
6	10.677		4.3686	6.4549%	43686	4849	9.0 1			1.0000E-04
7	10.950		0.0259	0.0383%	259	72	3.6 1			1.0000E-04
8	11.193		2.5053	3.7018%	25053	3649	6.9 1			1.0000E-04
9	11.607		0.9010	1.3313%	9010	1104	8.2 2			1.0000E-04
10	11.867		10.5509	15.5897%	105509	11849	8.9 2			1.0000E-04
11	12.150		3.6998	5.4668%	36998	5280	7.0 2			1.0000E-04
12	12.363		1.6731	2.4721%	16731	2588	6.5 2			1.0000E-04
13	12.733		2.3342	3.4490%	23342	3314	7.0 2			1.0000E-04
14	12.873		3.9328	5.8109%	39328	3301	11.9 2			1.0000E-04
15	13.327		4.9743	7.3499%	49743	4294	11.6 2			1.0000E-04
16	13.650		3.6517	5.3956%	36517	4387	8.3 2			1.0000E-04
17	13.897		0.6355	0.9390%	6355	881	7.2 2			1.0000E-04
18	14.293		5.8235	8.6047%	58235	6314	9.2 2			1.0000E-04
19	14.417		4.8105	7.1078%	48105	6394	7.5 2			1.0000E-04
20	14.897		4.2566	6.2895%	42566	4625	9.2 1			1.0000E-04
21	15.697		1.2654	1.8698%	12654	1149	11.0 2			1.0000E-04
22	15.950		1.7053	2.5196%	17053	1988	8.6 2			1.0000E-04
23	16.290		0.0487	0.0720%	487	89	5.5 1			1.0000E-04
24	16.573		1.2914	1.9081%	12914	1642	7.9 1			1.0000E-04
25	17.323		1.3342	1.9713%	13342	1255	10.6 1			1.0000E-04
26	17.907		0.0393	0.0580%	393	84	4.7 1			1.0000E-04
27	19.990		1.1718	1.7315%	11718	1227	9.5 2			1.0000E-04
28	20.397	DBC	0.4177	0.6171%	107237	9908	10.8 2	28	0	3.8946E-06

TOTAL AMOUNT = 67.6785



4-30 Min Scale: 10 Mv
CW-01 Processed: 12-19-1991 23:52:00, segment 6, cycle 46
RAW DATA SAVED IN FILE D:LD146.PTS

EXTERNAL STANDARD TABLE

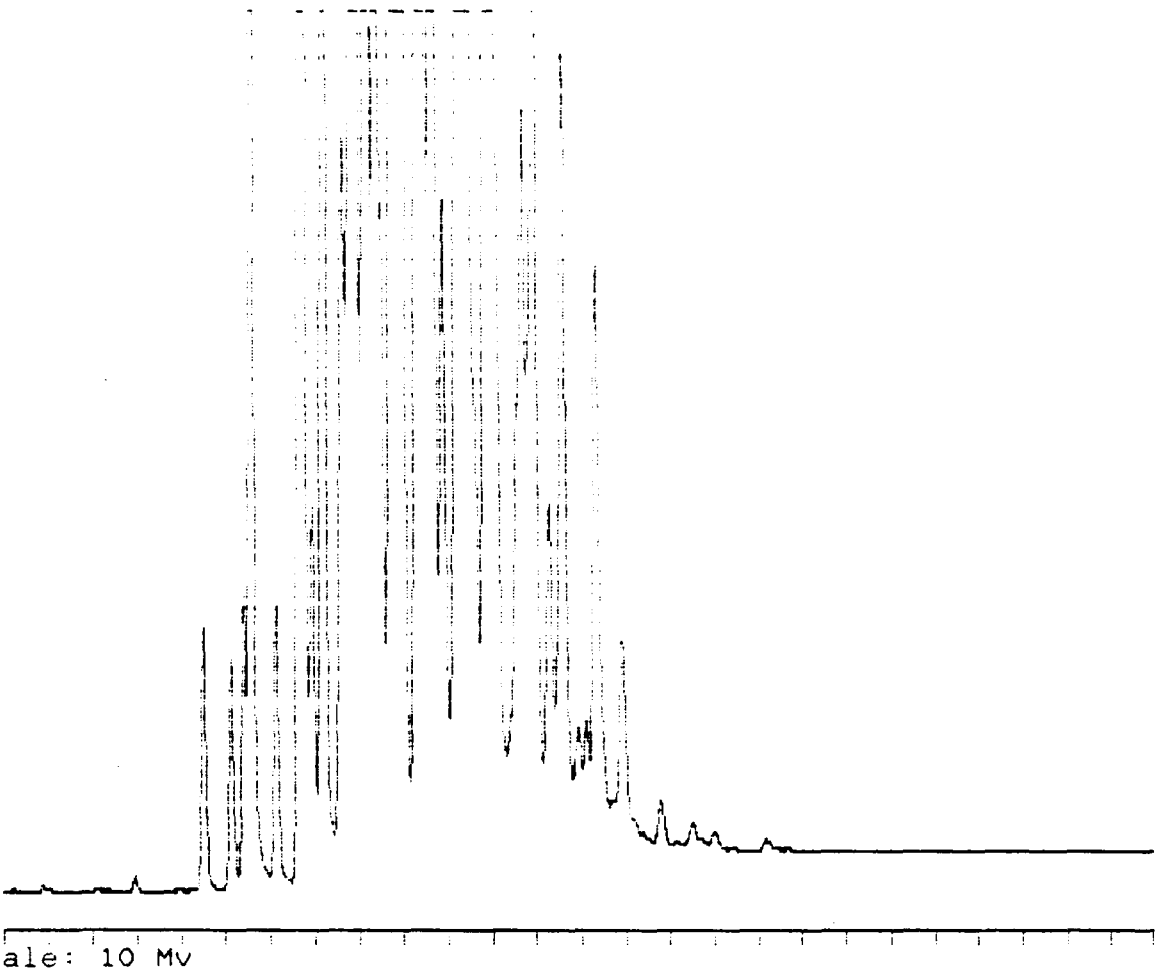
12-19-1991 23:53:30 Version 5.1

Sample Name: CW-01 Data File: D:LD146
Date: 12-20-1991 10:13:45 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 46 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.940		11.6600	0.0042%	117	45	2.6	1			1.0000E-01
2	8.510		1506.7300	0.5365%	15067	2325	6.5	1			1.0000E-01
3	9.120		1619.1296	0.5765%	16191	2436	6.6	1			1.0000E-01
4	9.400		1714.6493	0.6106%	17146	2862	6.0	2			1.0000E-01
5	9.567		10801.4678	3.8462%	108015	15403	7.0	2			1.0000E-01



4-30 Min Scale: 10 Mv
SD-01 Processed: 12-20-1991 00:28:10, segment 7, cycle 47
RAW DATA SAVED IN FILE D:LD147.PTS

EXTERNAL STANDARD TABLE

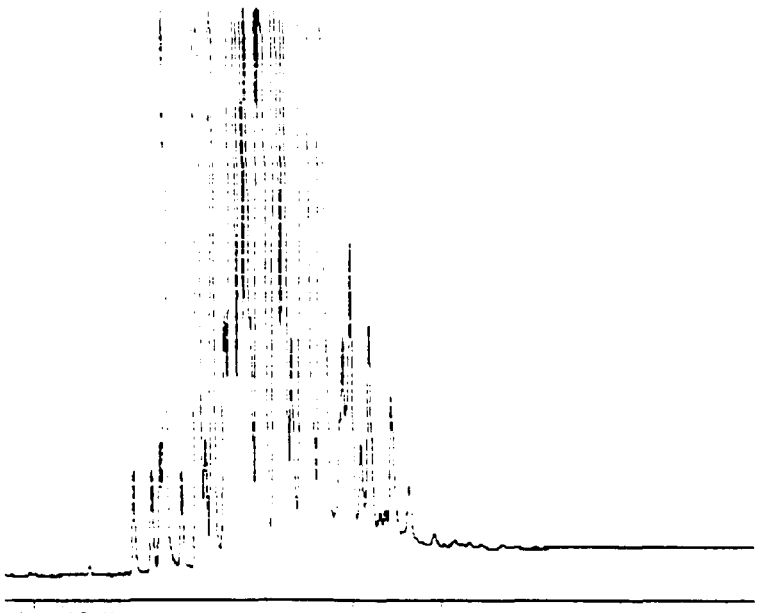
12-20-1991 00:29:40 Version 5.1

Sample Name: SD-01 Data File: D:LD147
Date: 12-20-1991 11:26:14 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 47 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.520		1875.9800	0.4491%	18760	2914	6.4	1			1.0000E-01
2	9.130		1621.6600	0.3882%	16217	2436	6.7	1			1.0000E-01
3	9.413		1876.6509	0.4492%	18767	3134	6.0	2			1.0000E-01
4	9.580		10890.0977	2.6070%	108901	15406	7.1	2			1.0000E-01
5	10.147		1963.7400	0.4701%	19637	3059	6.4	1			1.0000E-01



--30 Min Scale: 10 Mv
Cw-31 Processed: 12-20-1991 01:04:45, segment 8, cycle 48
RAW DATA SAVED IN FILE D:LD148.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-20-1991 01:06:15 Version 5.. **********

Sample Name: CW-31 Data File: D:LD148

Date: 12-20-1991 12:39:26 Method: PCB 12-10-1991 10:20:32 # 24

Interface: 16 Cycle#: 46 Operator ML Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00

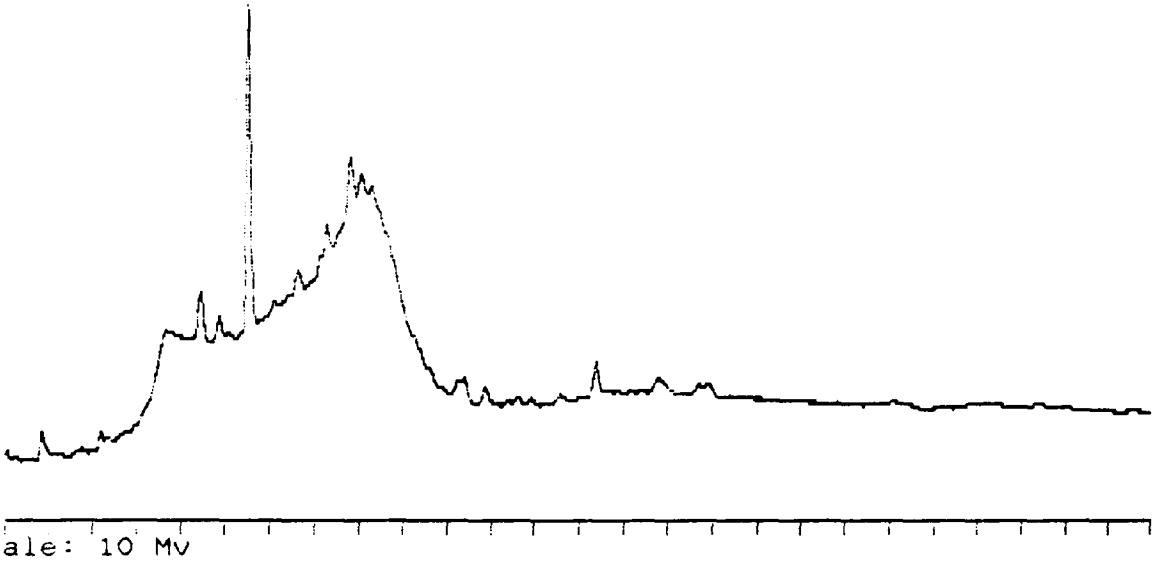
Area reject 10 One sample per 0.200 sec.

Amount Injected: 1.00 Dilution factor: 1000.00

Weight: 1.00000

PEAK #	TIME	PEAK NAME	CONCENTRATION PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.513		1132.8401	0.5921%	11228	1794	6.3 1			1.0000E-01
2	9.122		1099.6000	0.5747%	10896	1674	6.6 1			1.0000E-01
3	9.403		1164.7312	0.6088%	11547	1879	5.9 2			1.0000E-01
4	9.570		7576.4780	3.9601%	75758	10943	6.9 2			1.0000E-01
5	10.127		1003.2603	0.5244%	10032	1601	6.3 1			1.0000E-01
6	10.667		15797.664.	8.2571%	157977	16569	9.5 1			1.0000E-01
7	10.957		1371.0237	0.7166%	13710	1923	7.1 1			1.0000E-01
8	11.203		9090.6304	4.7515%	90906	13053	7.0 2			1.0000E-01
9	11.347		3377.0859	1.7651%	33771	3812	8.9 1			1.0000E-01
10	11.877		32003.5664	16.7277%	320036	34893	9.2 1			1.0000E-01
11	12.160		12430.1807	6.4970%	124302	16632	7.5 2			1.0000E-01
12	12.373		7807.7206	4.0810%	78077	10148	7.7 1			1.0000E-01
13	12.510		1410.1346	0.7372%	14101	2883	4.9 2			1.0000E-01
14	12.737		3996.1650	2.0887%	39962	6972	5.7 2			1.0000E-01
15	12.877		1661.4618	0.8684%	16615	3148	5.3 2			1.0000E-01
16	13.327		14400.9911	7.5271%	144010	12647	11.4 1			1.0000E-01
17	13.657		11413.2432	5.9655%	114132	13158	8.7 2			1.0000E-01
18	13.900		2598.4419	1.3582%	25984	3212	8.1 2			1.0000E-01
19	14.300		14728.1279	7.6981%	147281	15884	9.3 2			1.0000E-01
20	14.423		15433.4102	8.0668%	154334	16847	9.2 2			1.0000E-01
21	14.907		16590.9902	8.6760%	165990	12944	12.8 2			1.0000E-01
22	15.590		1025.6383	0.5361%	10256	1759	5.8 2			1.0000E-01
23	15.702		2754.9536	1.4400%	27550	3168	8.7 2			1.0000E-01
24	15.957		4881.8081	2.5516%	48816	4913	9.9 2			1.0000E-01
25	16.293		1012.9980	0.5295%	10130	1288	7.9 2			1.0000E-01
26	16.567		2908.6577	1.5203%	29087	3317	8.8 2			1.0000E-01
27	17.110		22.2600	0.0116%	223	61	3.6 1			1.0000E-01
28	17.327		1996.6801	1.0436%	19967	2186	9.1 1			1.0000E-01
29	17.920		614.3000	0.3211%	6143	764	8.0 1			1.0000E-01

TOTAL AMOUNT = 191321.0470



4-30 Min Scale: 10 Mv
SD-6RE Processed: 12-20-1991 01:41:16, segment 9, cycle 49
End of sequence file reached at cycle 49
RAW DATA SAVED IN FILE D:LD149.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-20-1991 01:42:43 Version 5.1 **********
* Sample Name: SD-6RE Data File: D:LD149 *
* Date: 12-20-1991 13:52:32 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 49 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

Pn	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.857		0.0272	1.0390%	272	65	4.2	1			1.0000E-04
2	8.497		0.0626	2.3888%	626	82	7.6	1			1.0000E-04
3	8.890		0.0181	0.6901%	181	49	3.7	1			1.0000E-04
4	9.567		2.3318	89.0099%	23318	3529	6.6	1			1.0000E-04

DF = 5000/1 = 5k

CF = 11.3/10 = 1.13

DF/CF = 4424.7

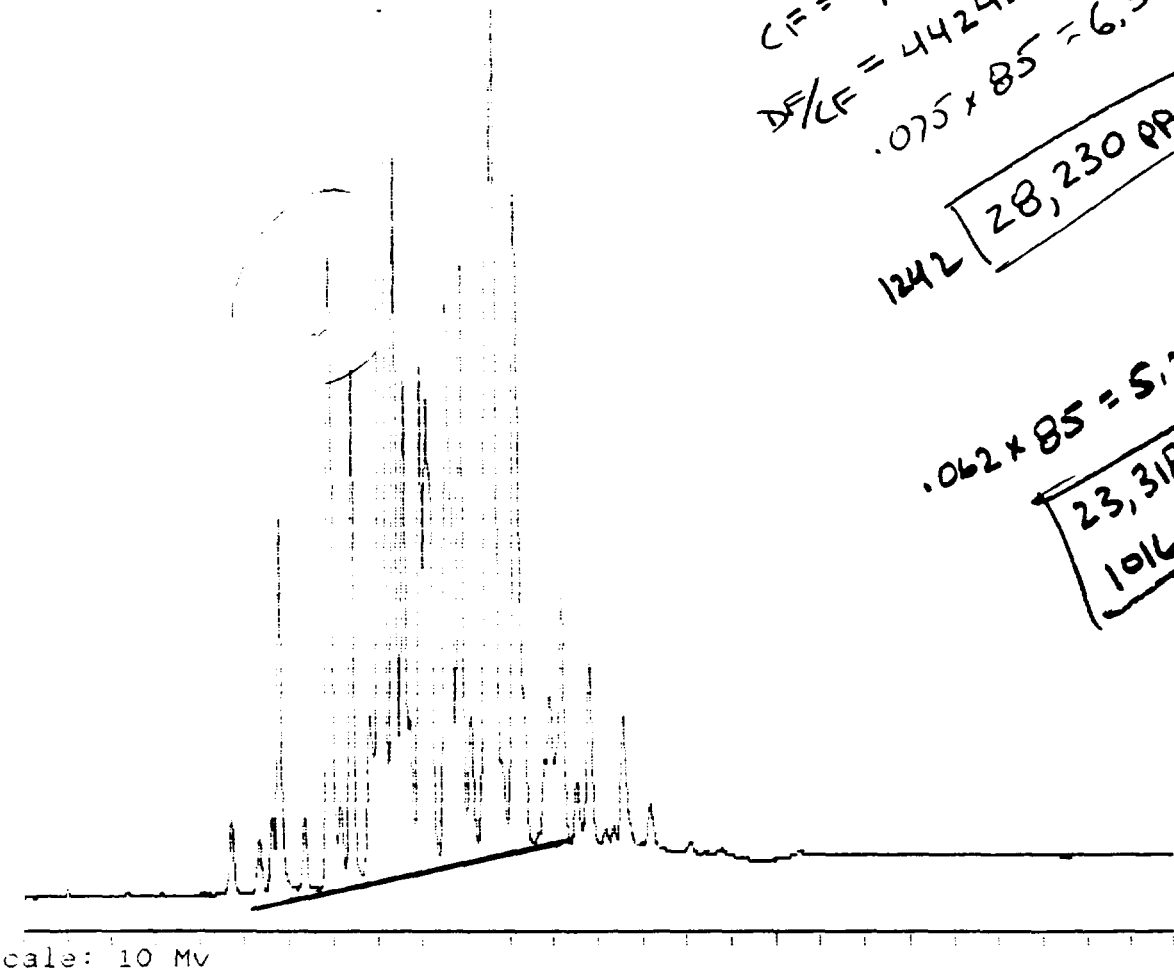
.075 x 85 = 6.38 x 4424.

1242 | 28,230 ppm

.062 x 85 = 5.27 x 4424

23,318 ppm

1016



4-30 Min Scale: 10 Mv
SD-01 Processed: 12-20-1991 11:41:32, segment 1, cycle 54
RAW DATA SAVED IN FILE D:LD154.PTS

EXTERNAL STANDARD TABLE

12-20-1991 11:43:04 Version 5.1

Sample Name: SD-01 Data File: D:LD154

Date: 12-20-1991 11:42:24 Method: PCB 12-10-1991 10:26:32 # 24

Interface: 16 Cycle#: 54 Operator ML Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00

Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 5000.00

Sample Weight: 1.00000

PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.727		2242.8000	0.5232%	4486	746	6.0	1			5.0000E-01
2	9.343		1624.7499	0.3790%	3250	543	6.0	1			5.0000E-01
3	9.627		2126.8132	0.4962%	4254	743	5.7	2			5.0000E-01
4	9.793		12691.2812	2.9608%	25383	3955	6.4	2			5.0000E-01
5	10.360		2152.3000	0.5021%	4305	745	5.8	1			5.0000E-01

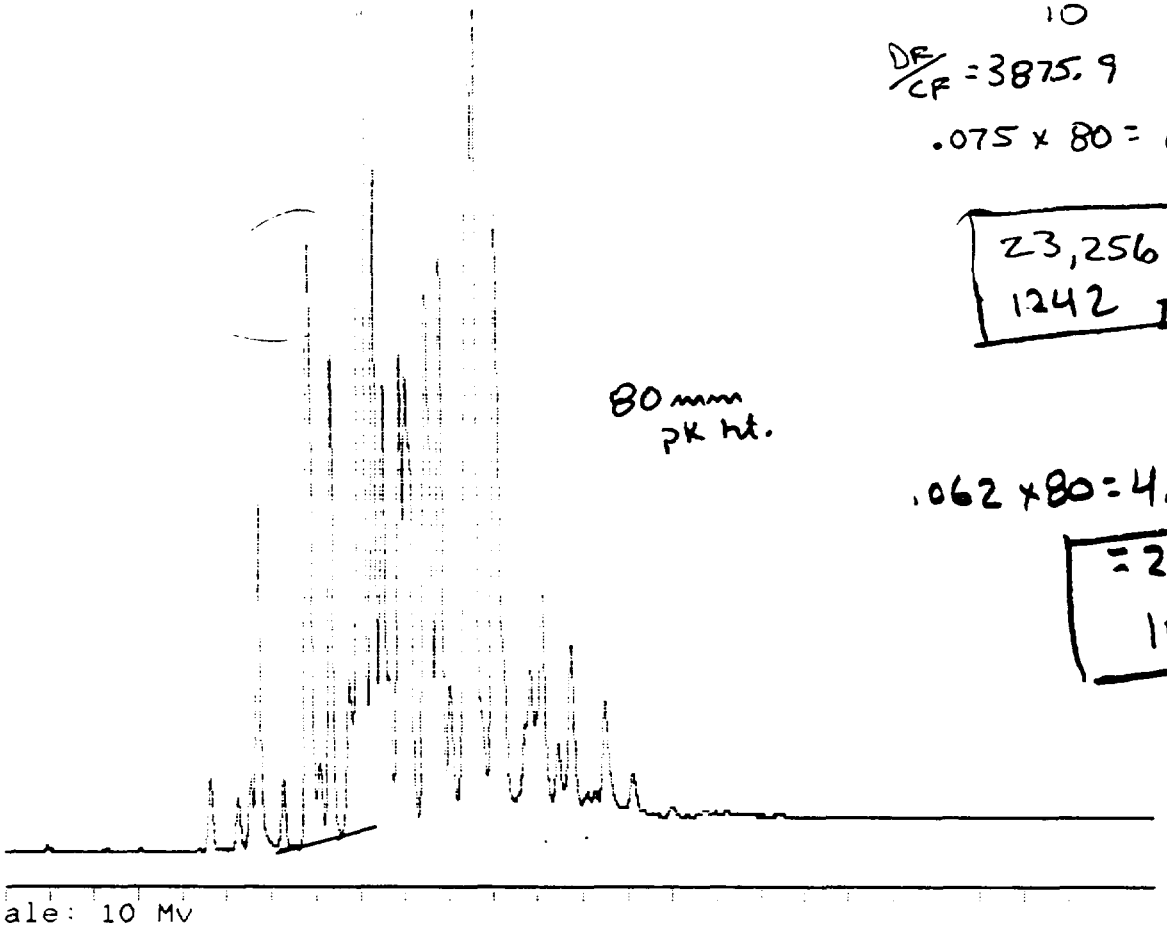
$DF = \frac{5000}{1} = 5000$

$CF = \frac{12.9}{10} = 1.29$

$\frac{DF}{CF} = 3875.9$

$.075 \times 80 = 6 \times 387$

23,256 ppm
1242



$.062 \times 80 = 4.96 \times 38$

$= 21,947$
196

4-30 Min Scale: 10 Mv
SD-31 Processed: 12-20-1991 12:17:25, segment 2, cycle 55
RAW DATA SAVED IN FILE D:LD155.PTS

EXTERNAL STANDARD TABLE

12-20-1991 12:18:59 Version 3.1

Sample Name: SD-31 Data File: D:LD155
Date: 12-20-1991 12:54:12 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 55 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 5000.00
Sample Weight: 1.00000

PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.650		2202.6001	0.5512%	4405	713	6.2	1			5.0000E-01
2	9.267		1473.6000	0.3688%	2947	490	6.0	1			5.0000E-01
3	9.550		1987.3369	0.4974%	3975	688	5.8	2			5.0000E-01
4	9.723		12261.5527	3.0687%	24523	3600	6.8	2			5.0000E-01
5	10.287		2118.9001	0.5303%	4238	703	6.0	1			5.0000E-01

$DF = \frac{5000}{1} = 5000$

$CF = \frac{1000}{10} = 100$

$.075 \times 8 = .6 \times 50$

1242 = 30 ppm

$.062 \times 8 = .496 \times 50$

= 24.8 ppm

1016

PkHT = 8

4-30 Min Scale: 10 MV
CW-01 Processed: 12-20-1991 12:53:23, segment 3, cycle 56
RAW DATA SAVED IN FILE D:LD156.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-20-1991 12:54:53 Version 5.1 **********

* Sample Name: CW-01 Data File: D:LD156 *
* Date: 12-20-1991 14:06:11 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 56 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 5000.00
Sample Weight: 1.00000

PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.730		968.4000	7.5424%	1937	348	5.6 1			5.0000E-01
2	10.847		273.4000	2.1294%	547	100	5.5 1			5.0000E-01
3	11.363		1303.9000	10.1554%	2608	433	6.0 1			5.0000E-01
4	12.053		6233.7183	48.5511%	12467	1474	8.5 2			5.0000E-01
5	12.337		1729.9778	13.4739%	3460	558	6.2 2			5.0000E-01

$DF = \frac{5000}{1} = 5000$

$CF = \frac{1000}{10} = 100$

$\frac{DF}{CF} = 50$

$.075 \times 5 = .375 \times 50$

18.75 ppm

1242

$.062 \times 5 = .31 \times 50$

$= 15.5$

1016

Pk ht. = 5 mm

4-30 Min Scale: 10 Mv
CW-31 Processed: 12-20-1991 13:29:25, segment 4, cycle 57
End of sequence file reached at cycle 57
RAW DATA SAVED IN FILE D:LD157.PTS

EXTERNAL STANDARD TABLE

12-20-1991 13:30:55 Version 5.1

Sample Name: CW-31 Data File: D:LD157
Date: 12-20-1991 15:18:17 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 57 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 5000.00
Sample Weight: 1.00000

Num	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.720		121.0000	2.7131%	242	58	4.2	1			5.0000E-01
2	10.827		194.5000	4.3611%	389	84	4.7	1			5.0000E-01
3	11.353		126.1000	2.8274%	252	58	4.3	1			5.0000E-01
4	12.037		3440.4001	77.1407%	6881	835	8.2	1			5.0000E-01

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK 11					
210*	AROCLOR 1016	PCB	LD163	12/30/91 8:42:59	
211*	AROCLOR 1221	PCB	LD164	12/30/91 9:19:27	
212*	AROCLOR 1242	PCB	LD165	12/30/91 9:55:59	
213	HEXANE BLK	PCB	LD166	12/30/91 10:32:44	
214*	SW-03	PCB	LD167	12/30/91 11:09:28	
215	SD-24	PCB	LD168	12/30/91 11:46:00	500ul - 1ml

* = Samples used for Quantitative Analysis.

H182:22

PESTICIDE AND PCB DAILY STANDARD CHECK

Calibration Dates: 12/04/91 Check Standard Date: 12/30/91

Instrument I.D.: GCB Analyst: MC #11

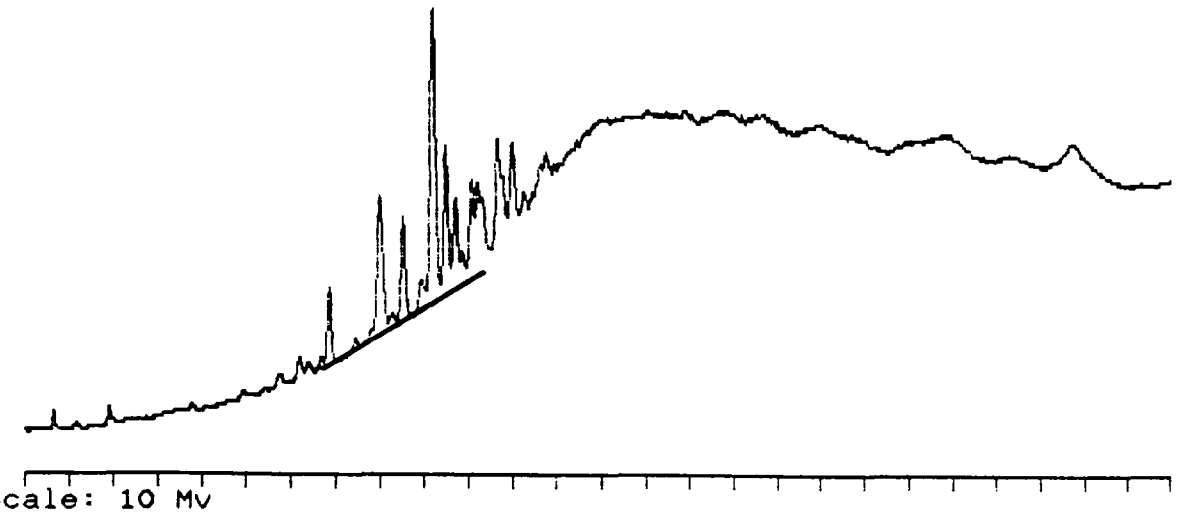
Compound	Calibration Avg. rf	Check Standard rf	% Difference
alpha-BHC			
gamma-BHC			
beta-BHC			
delta-BHC			
Heptachlor			
Aldrin			
Heptachlor epoxide			
Endosulfan I			
4-4'-DDE			
Dieldrin			
Endrin			
4-4'-DDD			
Endosulfan II			
4-4'-DDT			
Endrin Aldehyde			
Endosulfan Sulfate			
Methoxychlor			
DBC			
Toxaphene			
Chlordane			
Aroclor-1016 10.88	.062	.056	10.7
Aroclor-1221 7.14	.176	.167	5.1
Aroclor-1232			
Aroclor-1242 10.82	.075	.065	13.3
Aroclor-1248			
Aroclor-1254			
Aroclor-1260			

% Difference must be <15 for EPA Methods 608 and SW-846 8080

SEQUENCE RECORDED IN D:RE.SEQ

$\frac{.062 - .056}{.056} = 10.7\ \%$ D.Ab

1016 RF = $\frac{1}{18} = .056$



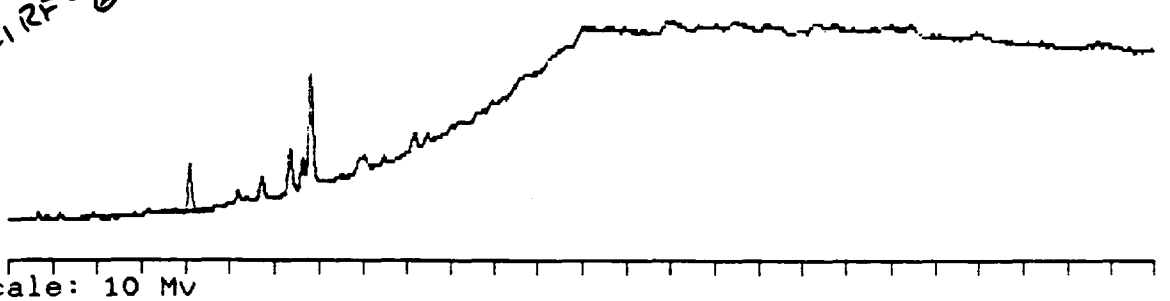
4-30 Min Scale: 10 Mv
CK16 Processed: 12-30-1991 08:41:02, segment 1, cycle 63
RAW DATA SAVED IN FILE D:LD163.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-30-1991 08:42:59 Version 5.1 **********
* Sample Name: CK16 Data File: D:LD163 *
* Date: 12-30-1991 08:42:03 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 63 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
Solvent Description: *
onditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.

$\frac{.176-.167}{.176} = 5.1\%$ Diff

1221 RF $= \frac{1}{6} = .167$



4-30 Min Scale: 10 Mv
CK21 Processed: 12-30-1991 09:17:30, segment 2, cycle 64
RAW DATA SAVED IN FILE D:LD164.PTS

******** EXTERNAL STANDARD TABLE ********

********************* 12-30-1991 09:19:27 Version 5.1 **********************

* Sample Name: CK21 Data File: D:LD164 *

* Date: 12-30-1991 09:55:01 Method: PCB 12-10-1991 10:26:32 # 24 *

* Interface: 16 Cycle#: 64 Operator ML Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *

Solvent Description: *

Conditions: pro #2 *

* Detector 0: Detector 1: FID *

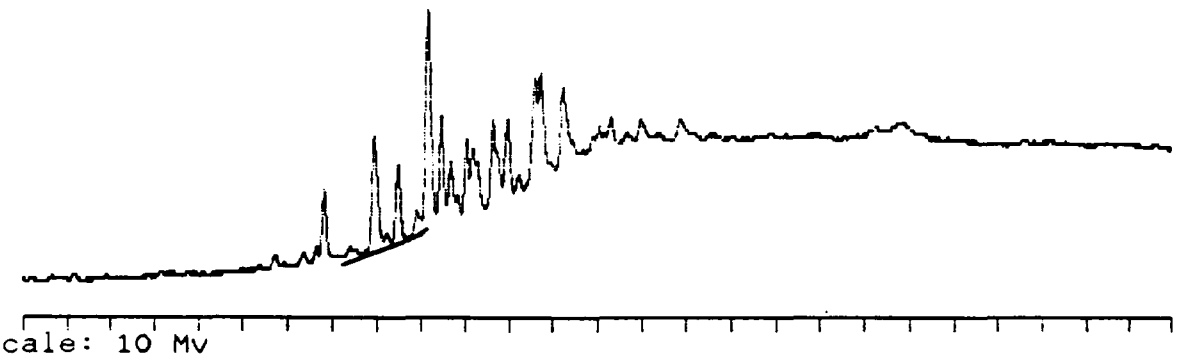
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00

Area reject: 10 One sample per 0.200 sec.

$\frac{.075 - .065}{.075} = 13.3\%$ Diff

1242 RF $= \frac{1}{15.5} = .065$



4-30 Min Scale: 10 Mv
CK42 Processed: 12-30-1991 09:53:59, segment 3, cycle 65
RAW DATA SAVED IN FILE D:LD165.PTS

******* EXTERNAL STANDARD TABLE *******

******************** 12-30-1991 09:55:59 Version 5.1 **********************

* Sample Name: CK42 Data File: D:LD165 *

* Date: 12-30-1991 11:07:59 Method: PCB 12-10-1991 10:26:32 # 24 *

* Interface: 16 Cycle#: 65 Operator ML Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *

Solvent Description: *

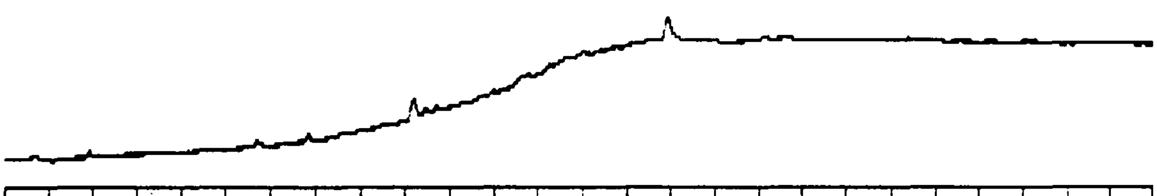
onditions: pro #2 *

* Detector 0: Detector 1: FID *

* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00

Area reject: 10 One sample per 0.200 sec.



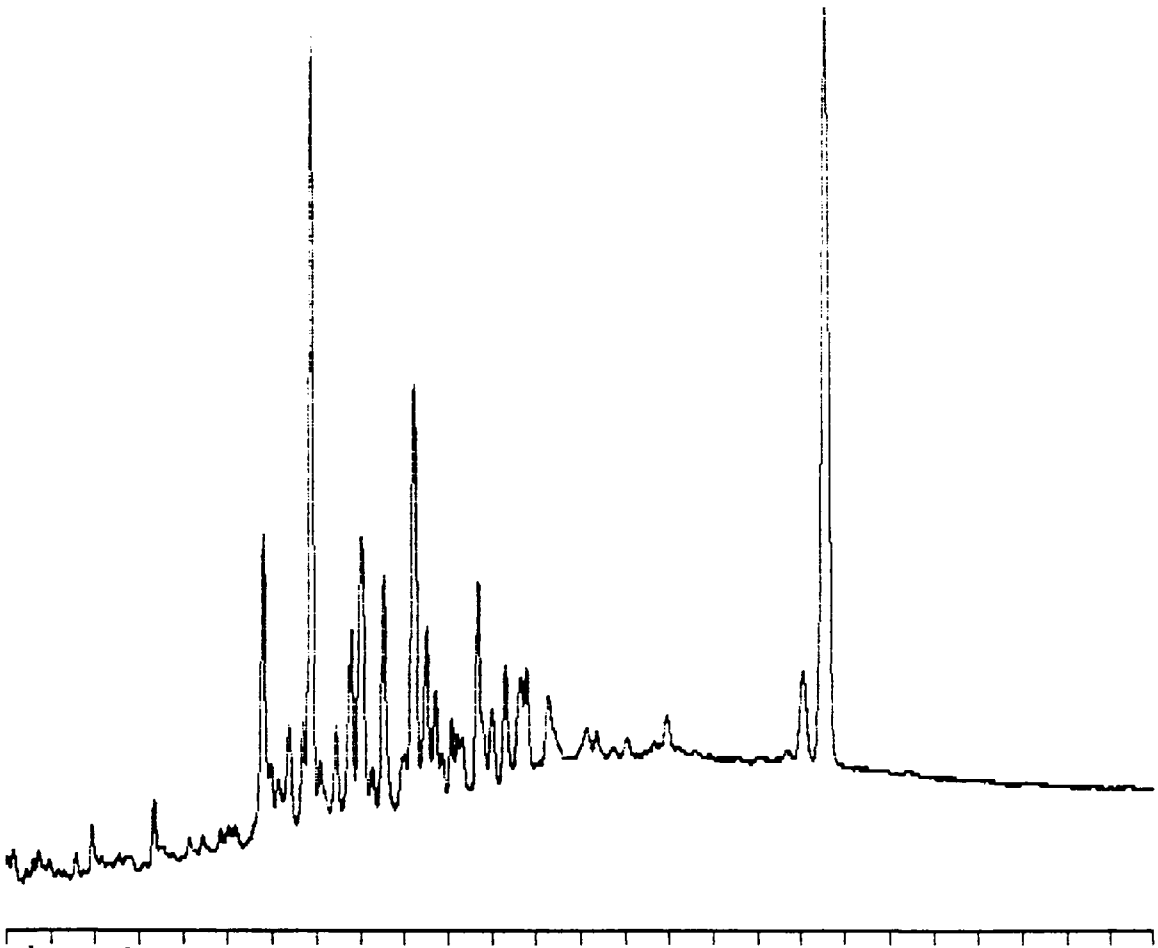
4-30 Min Scale: 10 Mv
BLK Processed: 12-30-1991 10:30:48, segment 4, cycle 66
RAW DATA SAVED IN FILE D:LD166.PTS

***** EXTERNAL STANDARD TABLE *****

******************* 12-30-1991 10:32:44 Version 5.1 *********************
* Sample Name: BLK Data File: D:LD166 *
* Date: 12-30-1991 12:21:40 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 66 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
Solvent Description: *
Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.

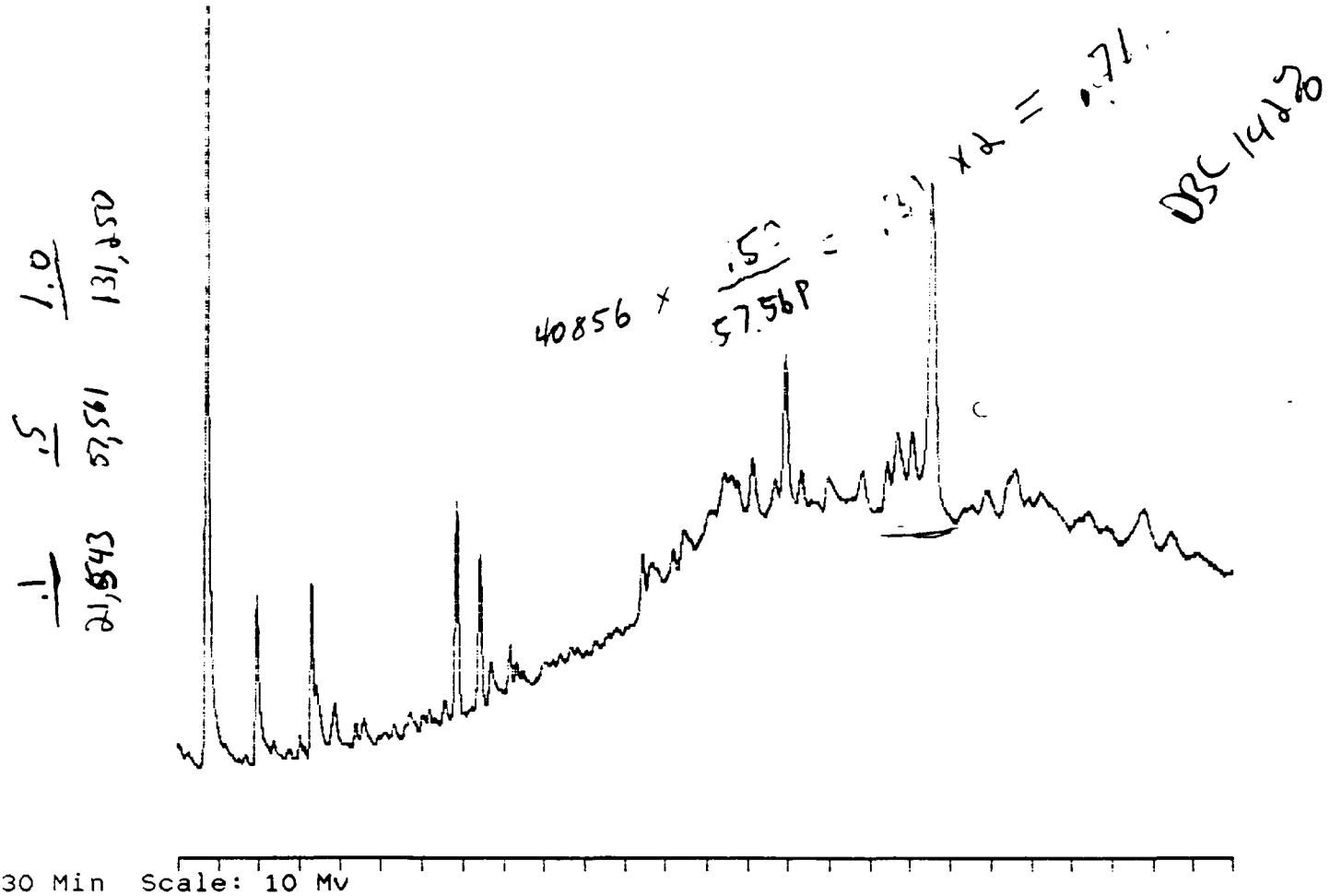
SURR $\frac{89715 \times .5}{87561} = \frac{.78}{.5} = 156\%$



4-30 Min Scale: 10 Mv
SW-03 Processed: 12-30-1991 11:07:25, segment 5, cycle 67
RAW DATA SAVED IN FILE D:LD167.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-30-1991 11:09:28 Version 5.1 **********
* Sample Name: SW-03 Data File: D:LD167 *
* Date: 12-30-1991 13:34:40 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 67 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
Solvent Description: *
Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.



4-30 Min Scale: 10 Mv
SD-24 Processed: 12-30-1991 11:43:57, segment 6, cycle 68
End of sequence file reached at cycle 68
RAW DATA SAVED IN FILE D:LD168.PTS

********* EXTERNAL STANDARD TABLE *********

********** 12-30-1991 11:46:00 Version 5.1 **********

* Sample Name: SD-24 Data File: D:LD168 *
* Date: 12-30-1991 14:47:50 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 68 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

Instrument Type: TRACOR 540 Column Type: SPB-5 *
Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00

SECTION IV

SAMPLE DUPLICATE; SURROGATE; AND MATRIX SPIKE RECOVERY SHEETS

SURROGATE RECOVERY

BENNINGTON, VT

SAMPLE I.D.	DBC ADDED (PPM)	DBC MEASURED (PPM)	% RECOVERY (24-150)
MTD BLK 12/3 H	.5	.37	74
MTD BLK 12/3 S	.5	.33	66
SW-8	.5	.47	94
SW-9	.5	.40	80
FB1203	.5	.41	82
SD-09	.5	.34	68
SD-08	.5	37	74
SD-06	.5	.27	54
SW-07	.5	.44	88
SD-36	.5	.34	68
SW-06	.5	.36	72
SD-07	.5	.19	38
SD-7D	.5	.24	48
MTD BLK 12/4 H	.5	.35	70
MTD BLK 12/4 S	.5	.42	84
SW-10	.5	.40	80
SW-14	.5	.43	86
MTD BLK 12/6 H	.5	.33	66
MTD BLK 12/6 S	.5	.35	70
SD-10	.5	.39	78
SD-14	.5	.30	60
SD-12	.5	.23	46
SW-13	.5	.42	84
SW-13MS	.5	.29	58
SW-04	.5	.37	74
SW-04D	.5	.35	70
SD-13	.5	.34	68
SD-13MS	.5	.16	32
MTD BLK 12/7 S	.5	.42	84
MTD BLK 12/7 H	.5	.39	78
SW-5	.5	.19	38
SW-35	.5	.25	50
SD-2	.5	.41	82
MTD BLK 12/8 H	.5	.35	70
MTD BLK 12/8 S	.5	.35	70
MTD BLK 12/9 H	.5	.39	78
MTD BLK 12/9 S	.5	.41	82
LS-01 SD	.5	.20	40
SW-17	.5	.39	78
LS-03(AQ)	.5	.37	74
SD-11	.5	.21	42

SURROGATE RECOVERY
BENNINGTON, VT

SAMPLE I.D.	DBC ADDED (PPM)	DBC MEASURED (PPM)	% RECOVERY (24-150)
SD-17	.5	.27	54
LS-03 (SD)	.5	.15	30
LS-31 D	.5	.35	70
LS-31MS	.5	.29	58
MTD BLK 12/11 H	.5	.34	68
MTD BLK 12/11 S	.5	.41	82
LS-31 SD	.5	.29	58
SW-12	.5	.38	76
SW-36	.5	.39	78
PETT0003899	.5	.37	74
0003446	1.0	.92	92
SD-19	.5	.29	58
SD-23	.5	.25	50
SD-20	.5	.34	68
SD-22	.5	.23	46
SD-22D	.5	.24	48
MTD BLK 12/16 S	.5	.35	70
MTD BLK 12/16 H	.5	.34	68
SD-18	.5	.29	58
FB121291	.5	.32	64
MTD BLK 12/18 H	.5	.34	68
MTD BLK 12/18 S	.5	.37	74
LS-02 SD	.5	.26	52
LS-02 AQ	.5	.22	44
SD-21D	.5	.36	72
SW-18MS	.5	.35	70
SW-18	.5	.41	82
SW-03	.5	.78	156
SD-24	.5	.71	142

LABORATORY DUPLICATE ANALYSIS
BENNINGTON, VT

SAMPLE ID	SAMPLE VALUE	LAB DUPLICATE VALUE	% DIFFERENCE
SD-21	1016 .194	1016 .276	42
	1242 .235	1242 .33	40
SD-15	1016 33.0	1016 29.3	11
	1242 39.9	1242 35.5	11
SW-04	1016 .012	1016 .009	25
	1221 .007	1221 .007	0
	1242 .014	1242 .011	21
SD-22	ND	ND	0
SD-7	ND	ND	0

MATRIX SPIKE RECOVERY
BENNINGTON VT.
ARCLOR 1254

SAMPLE I.D.	CONC. SPIKE ADDED (PPM)	SAMPLE RESULT (PPM)	SAMPLE RESULT OF MS (PPM)	% REC. (29-131)
SD-13MS	1.0	0.0	.48	48%
SW-13MS	1.0	0.0	.83	83%
LS-31spk	1.0	0.0	.93	93%
SW-18MS	1.0	0.0	1.0	100%

SECTION V

SAMPLE CUSTODY LOGS

224943

McLaren Hart

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY
Laboratory Project No.: _____ Secured
Storage Refrigerator ID: _____ Yes
Storage Freezer ID: _____ No

Project Name: Benning/onLF - LF1 Project #: LC657.02 Sampler: James Peterson (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) James J. Peterson/Jane L. Peterson	Received by: (Signature and Printed Name) David A Leuth III	Date: 11/21/91	Time: 1135
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: Hand deliver
Shipment ID: N/A

Circle or Add Analysis(es) Requested

a) Identify specific metals requested under Special Instructions

Sample ID Number	Sample Description: Date	Time	Description	601/8010 (Halogenated Volatiles-GC)	602/8020 (Aromatic Volatiles-GC)	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
1 SD-06	12/4/91	1130	Sediment	X	X		X															2	1V, 1A	
2 SD-07		1025	"	X	X		X															2	1V, 1A	
3 SD-36		1130	"	X	X		X															2	1V, 1A	
4 SW-06		1130	Aqueous	X	X		X															3	2V, 1A	
5 SW-07		1025	"	X	X		X															3	2V, 1A	
6 SW-36	↓	1130	"	X	X		X															3	2V, 1A	
7																								
8																								
9																								
10																								

Special Instructions/Comments: _____

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other _____

SEND DOCUMENTATION AND RESULTS TO (Check one)
☐ Project Manager/Office: _____
☐ Client Name: _____
Company: _____
Address: _____
Phone: ( ) _____ Fax

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt: _____

1 of 2

224944

McLaren Hart

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY
Laboratory Project No.: _____ Secured
Storage Refrigerator ID: _____ Yes
Storage Freezer ID: _____ No

Project Name: Bennington LF - LF1 Project #: LC 1657.02 Sampler: JIM PETERSON (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) JAMES L. PETERSON	Received by: (Signature and Printed Name) Michael A. Lohkamp	Date: 12/5/91	Time: 5:00 PM
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: Hand-delivered

Shipment ID: N/A

Circle or Add Analysis(es) Requested

a) Identify specific metals requested under Special Instructions

Sample ID Number	Sample Description: Date	Time	Description	601/8010 (Halogenated Volatiles-GC)	602/8020 (Aromatic Volatiles-GC)	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
1 SW-13	12/5/91	10:15 AM	Sediment (1) Aqueous	X	X		X															3	1A, 2V	
2 SW-03		11:45 AM	Aqueous																			3	1A, 2V	
3 SW-04		1:55 PM																				3	1A, 2V	
4 SW-05		11:15 AM																				3	1A, 2V	
5 SW-02		4:10 PM																				3	1A, 2V	
6 SD-13		10:15 AM	Sediment																			2	1A, 1V	
7 SD-03		11:45 AM																				2	1A, 1V	
8 SD-04		1:55 PM																				2	1A, 1V	
9 SD-05		11:15 AM																				2	1A, 1V	
10 SD-15		2:10 PM																				2	1A, 1V	

Special Instructions/Comments: _____

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other _____

SEND DOCUMENTATION AND RESULTS TO (Check one):
☐ Project Manager/Office: _____
☐ Client Name: _____
Company: _____
Address: _____
Phone: __ (____) _____ Fax

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt: _____

1 of 2

CHAIN OF CUSTODY RECORD

224144 — 224947

JP - 12/05/11 5:30 PM

FOR LABORATORY USE ONLY
Laboratory Project No:
Storage Refrigerator ID:
Storage Freezer ID:
Secured: Yes / No

Project Name: Bennington LF - LFI Project #: LC 1657.02 Sampler: James L. Peterson (Printed Name) James L. Peterson (Signature)

Relinquished by: (Signature and Printed Name) James L. Peterson	Received by: (Signature and Printed Name) Michael McWay	Date: 12/5/11	Time: 5:10 PM
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: Hand-delivered
Shipment ID: N/A

Circle or Add Analysis(es) Requested

a) Identify specific metals requested under Special Instructions

Sample ID Number	Sample Description: Date	Time	Description	601/8010 (Halogenated Volatiles-GC)	602/8020 (Aromatic Volatiles-GC)	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
11 SD-16	12/5/11	2:30 PM	Sediment	X	X		X															2	1A, 1V	
12 SD-35		11:15 AM	"																			2	1A, 1V	
13 SW-35		11:15 AM	Aqueous																			3	1A, 2V	
14 SD-02		4:10 PM	Sediment																			2	1A, 1V	
15 TB-120591		10:00 AM	Aqueous																		2	2	1A, 2V	
16 SW-13MS		10:13 AM	"	X	X		X															3	1A, 2V	
17 SD-13MS	Approx.	10:15 AM	Sediment	X	X		X															2	1A, 1V	
18																								
19																								
20																								

Special Instructions/Comments:

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other

SEND DOCUMENTATION AND RESULTS TO (Check one):
☐ Project Manager/Office:
☐ Client Name:
Company:
Address:
Phone: ( ) Fax

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt:

224945

McLaren Hart

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY
Laboratory Project No.: _____ Secured
Storage Refrigerator ID: _____ Yes
Storage Freezer ID: _____ No

Project Name: Bennington LFI Project #: LC657.02 Sampler: James L. Peterson (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) — Received by: (Signature and Printed Name) David A. Gruntl III — Date: 12-03-91 Time: 5.10

Relinquished by: (Signature and Printed Name) — Received by: (Signature and Printed Name) — Date: — Time:

Relinquished by: (Signature and Printed Name) — Received by: (Signature and Printed Name) — Date: — Time:

Relinquished by: (Signature and Printed Name) — Received by: (Signature and Printed Name) — Date: — Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: HAND DELIV.

Shipment ID: N/A

Circle or Add Analysis(es) Requested

a) Identify specific metals requested under Special Instructions

Sample ID Number	Sample Description: Date	Time	Description	601/8010 (Halogenated Volatiles-GC)	602/8020 (Aromatic Volatiles-GC)	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	625/8270 (Volatiles-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
1 SW-08	12/3/91	3:30 PM	Aqueous	X	X		X														3	2V, 1A	
2 SW-09	"	2:35 PM	"	X	X		X														3	2V, 1A	
3 SD-08	"	3:30 PM	Sediment	X	X		X														2	1A, 1V Large	
4 SD-09	"	2:35 PM	"	X	X		X														2	1A, 1V Large	
5 FB-1203	"	4:35 PM	Aqueous	X	X		X														3	2V, 1A	
6 TB-1203	"		"	X	X																2	2V	
7																							
8																							
9																							
10																							

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other _____

Special Instructions/Comments: _____

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt: _____

SEND DOCUMENTATION AND RESULTS TO (Check one):
☒ Project Manager/Office: Mackie / Warren
☐ Client Name: _____
Company: _____
Address: _____
Phone: (____) _____ Fax

224946

McLaren Hart

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY
Laboratory Project No: _____ Secured
Storage Refrigerator ID: _____ Yes
Storage Freezer ID: _____ No

Project Name: Bennington LF - LFI Project #: LC 657.02 Sampler: James L. Peterson (Printed Name) (Signature) 17:50

Relinquished by: (Signature and Printed Name) JAMES L. PETERSON Received by: (Signature and Printed Name) Michael A LeMieux Date: 12/4/91 Time: 18:50 (JA)

Relinquished by: (Signature and Printed Name) Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Received by: (Signature and Printed Name) Date: Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: Hand Delivery

Shipment ID: _____

Circle or Add Analysis(es) Requested

a) Identify specific metals requested under Special Instructions

Sample ID Number	Sample Description: Date	Time	Description	601/8010 (Halogenated Volatiles-GC)	602/8020 (Aromatic Volatiles-GC)	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
1 SW-14	12/4/91	3:25 PM	Aqueous	X	X		X															3	2V, 1A	
2 SW-12		3:55 PM	"	X	X		X															3	2V, 1A	
3 SW-10		4:30 PM	"	X	X		X															3	2V, 1A	
4 SD-14		3:25 PM	Sediment	X	X		X															2	1V, 1A	4oz
5 SD-12		3:55 PM	"	X	X		X															2	1V, 1A	4oz
6 SD-10	↓	4:30 PM	"	X	X		X															2	1V, 1A	4oz
7 TB-120491	↓	9:55 AM	Aqueous	X	X																	2	2V	
8																								
9																								
10																								

Special Instructions/Comments: _____

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other _____

SEND DOCUMENTATION AND RESULTS TO (Check one)
☐ Project Manager/Office: _____
☐ Client Name: _____
Company: _____
Address: _____
Phone: (____) _____ Fax

FOR LABORATORY USE ONLY: Sample Condition Upon Receipt: _____

224949

McLaren Hart

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY
Laboratory Project No: Secured
Storage Refrigerator ID: Yes
Storage Freezer ID: No

Project Name: Bennington L.F.-LF1 Project #: LC657.02 Sampler: JAMES L. PETERSON (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date: 12/10/91	Time: 6:10 PM
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: Hand delivered
Shipment ID: N/A

Circle or Add Analysis(es) Requested

Sample ID Number	Sample Description: Date	Time	Description	601/8010 (Halogenated Volatiles-GC)	602/8020 (Aromatic Volatiles-GC)	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
1 LS-02(AQ)	12-10-91	9:40 AM	Aqueous	X	X		X															3	2V, 1A	
2 LS-03(AQ)		11:10 AM		X	X		X															3	2V, 1A	
3 SW-17		5:10 PM		X	X		X															3	2V, 1A	
4 TB-121091		9:20 AM		X	X																	2	2V	
5 SD-11		2:35 PM	Sediment	X	X		X															2	1V, 1A	
6 LS-02(SD)		9:40 AM		X	X		X															2	1V, 1A	
7 LS-03(SD)		11:10 AM		X	X		X															2	1V, 1A	
8 SD-17		5:10 PM		X	X		X															2	1V, 1A	
9																								
10																								

a) Identify specific metals requested under Special Instructions

Special Instructions/Comments:

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt:

SEND DOCUMENTATION AND RESULTS TO (Check one):
☐ Project Manager/Office:
☐ Client Name:
Company:
Address:
Phone ( ) Fax

224950

McLaren Hart

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY
Laboratory Project No: _____ Secured
Storage Refrigerator ID: _____ Yes
Storage Freezer ID: _____ No

Project Name: Bennington L.F. - LF1 Project #: LC 657.02 Sampler: Jim Peterson (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date: 12-11-91	Time: 5 30 PM
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: _____

Shipment ID: _____

Circle or Add Analysis(es) Requested

a) Identify specific metals requested under Special Instructions

Sample ID Number	Sample Description: Date	Time	Description	601/8010 (Halogenated Volatiles-GC)	602/8020 (Aromatic Volatiles-GC)	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
1 SD-22	12-11-91	2:15 PM	Sediment	X	X		X															2	IV, 1A	
2 SD-23	"	1:15 PM	"	X	X		X															2	IV, 1A	
3 SD-19	"	4:25 PM	"	X	X		X															2	IV, 1A	
4 SD-24	"	3:25 PM	"	X	X		X															2	IV, 1A	
5 SD-20	"	4:15 PM	"	X	X		X															2	IV, 1A	
6 TB-121191	"	11:05 AM	Aqueous	X	X																	2	2V	
7																								
8																								
9																								
10																								

Special Instructions/Comments: _____

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other _____

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt: _____

SEND DOCUMENTATION AND RESULTS TO (Check one).
☐ Project Manager/Office: _____
☐ Client Name: _____
Company: _____
Address: _____
Phone: ( ) Fax:

224953

McLaren Hart

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY
Laboratory Project No.: _____ Secured
Storage Refrigerator ID: _____ Yes
Storage Freezer ID: _____ No

Project Name: Pennington LF - LFI Project #: LC-657.02 Sampler: JAMES L. PETERSON (Printed Name) James L. Peterson (Signature)

Relinquished by: (Signature and Printed Name) James L. Peterson	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: Hand delivered
Shipment ID: N/A

Circle or Add Analysis(es) Requested

a) Identify specific metals requested under Special Instructions

Sample ID Number	Date	Time	Description	601/8010 (Halogenated Volatiles-GC)	602/8020 (Aromatic Volatiles-GC)	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
1	CW-01	12-12-91	4:25 PM	Aqueous	X	X		X															3	2V, 1A	
2	CW-31		4:25 PM		X	X		X															3	2V, 1A	
3	SW-1B		11:35 AM		X	X		X															3	2V, 1A	
4	FB-121291(SD)		10:35 AM		X	X		X															3	2V, 1A	
5	TB-121291		10:25 AM		X	X																	2	2V	
6	SD-01		4:25 PM	Sediment	X	X		X															2	1V, 1A	
7	SD-31		4:25 PM		X	X		X															2	1V, 1A	
8	SD-21		12:10 PM		X	X		X															2	1V, 1A	
9	SD-1B		11:35 AM		X	X		X															2	1V, 1A	
10																									

Special Instructions/Comments: _____

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other _____

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt: _____

SEND DOCUMENTATION AND RESULTS TO (Check one):
☐ Project Manager/Office: _____
☐ Client Name: _____
Company: _____
Address: _____
Phone: ( ) _____ Fax

McLaren Hart

CHAIN OF CUSTODY RECORD

22454

FOR LABORATORY USE ONLY
Laboratory Project No.: _____ Secured
Storage Refrigerator ID: _____ Yes
Storage Freezer ID: _____ No

Project Name: Bennington L.F – LFI Project #: LC 657.02 Sampler: JAMES L. PETERSON (Printed Name) James L. Peterson (Signature)

Relinquished by: (Signature and Printed Name) James L. Peterson — Received by: (Signature and Printed Name) — Date: 12/13/91 Time: 155 PM
Relinquished by: (Signature and Printed Name) — Received by: (Signature and Printed Name) — Date: 12/13/91 Time: 1530
Relinquished by: (Signature and Printed Name) — Received by: (Signature and Printed Name) — Date: Time:
Relinquished by: (Signature and Printed Name) — Received by: (Signature and Printed Name) — Date: Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: Hand-delivery
Shipment ID: N/A

Circle or Add Analysis(es) Requested

a) Identify specific metals requested under Special Instructions

Sample ID Number	Sample Description: Date	Time	Description	601/8010 (Halogenated Volatiles-GC)	602/8020 (Aromatic Volatiles-GC)	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY: Lab ID
1 SW-07	12/13/91	1215 PM	Aqueous	X	X																	2	2V	
2 SW-07(MS)		1215 PM																				2	2V	
3 SW-08		120 PM																				2	2V	
4 SW-09		945 AM																				2	2V	
5 FB-121391(9)		1135 AM																				2	2V	
6 TB-121391		1120 AM																				2	2V	
7 SD-08		120 PM	Sediment																			1	1V	
8 SD-09		945 AM		X	X																	1	1V	
9																								
10																								

Special Instructions/Comments: _____

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other _____

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt: _____

SEND DOCUMENTATION AND RESULTS TO (Check one):
☐ Project Manager/Office: _____
☐ Client Name: _____
Company: _____
Address: _____
Phone: ___ (____) _____ Fax:

D.C. No.: 0086

HART

Name: [illegible]
Affiliation: [illegible]
Phone: [illegible]
Address: [illegible]
Client/Job No: LC 6-7.02
Job Name: [illegible] Location: [illegible]

CHAIN OF CUSTODY RECORD

Sample No.	Lab I.D. No.	Date	Time	Matrix	No. of Containers	Analysis Requested/Remarks
SG-01		12-16-91	12:30 PM	AIR	1	VOC [illegible] 8010 8020
SG-02			12:20 PM			
SG-03			1:13 PM			
SG-04			1:30 PM			
SG-05			2:10 PM			
SG-06			4:05 PM			
SG-07			4:30 PM			
SG-08			4:45 PM			
FB-121691			1:00 PM			
TB-121691		↓	5:15 PM	↓	↓	↓

Comments: _____

Relinquished by: [signature] Date: 12-16-91 Shipment Method: HAND-DELIVERY
Time: 5:30 PM Airbill No.: N/A

Received by: [signature] Date: 12-16-91 Relinquished by: _____ Date: _____
Time: 5 [illegible] PM Time: _____

Received by: _____ Date: _____ Relinquished by: _____ Date: _____
Time: _____ Time: _____

Final Disposition of Samples: _____

Received by: [signature] Date: 12-16-91 Time: [illegible] P.

HART Form 400 Pink/Field Copy - Yellow/Lab Copy - White/Original - To be returned with results.

224955

McLaren Hart

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY
Laboratory Project No.: _____ Secured
Storage Refrigerator ID: _____ Yes ___
Storage Freezer ID: _____ No

Project Name: Bannister L.F. - LFI Project #: LC 657.02 Sampler: James Peterson (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date: 12/17/91	Time: 5 20 PM
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: HAND DELIVERED
Shipment ID: N/A

Circle or Add Analysis(es) Requested

Sample ID Number	Sample Description: Date	Time	Description	601/8010 (Halogenated Volatiles-GC)	602/8020 (Aromatic Volatiles-GC)	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
1	SG-09	12/17/91	3:55 PM	AIR	X	X																	1	O	
2	SG-10	"	4:30 PM	"	X	X																	1	O	
3	SG-11	"	4:55 PM	"	X	X																	1	O	
4	TB-121791	"	5:10 PM	"	X	X																	1	O	
5																									
6																									
7																									
8																									
9																									
10																									

a) Identify specific metals requested under Special Instructions

Special Instructions/Comments: _____

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1 Liter Amber, G=Glass Jar, C=Cassette, O = Other Tedlar

SEND DOCUMENTATION AND RESULTS TO (Check one):
☐ Project Manager/Office: _____
☐ Client Name: _____
Company: _____
Address: _____
Phone: ___(____)_____ Fax: _

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt: _____

224956

McLaren Hart

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY
Laboratory Project No.: _____ Secured
Storage Refrigerator ID: _____ Yes
Storage Freezer ID: _____ No

Project Name: Bennington L.F. - LFI Project #: LC657.02 Sampler: JAMES PETERSON (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date: 12-18-91	Time: 6:45
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: HAND DELIVERY
Shipment ID: N/A

Circle or Add Analysis(es) Requested

Sample ID Number	Sample Description: Date	Time	Description	601/8010/Halogenated Volatiles-GC	602/8020/Aromatic Volatiles-GC	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
1 SG-12	12/18/91		Air	X	X																	1	O	
2 SG-13				X	X																	1	O	
3 SG-14				X	X																	1	O	
4 SG-15				X	X																	1	O	
5 SG-16				X	X																	1	O	
6 SG-17				X	X																	1	O	
7 TB-121891(SG)	↓		↓	X	X																	1	O	
8																								
9																								
10																								

a) Identify specific metals requested under Special Instructions

TAT

Special Instructions/Comments: _____

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other Ziplock bag

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt: _____

SEND DOCUMENTATION AND RESULTS TO (Check one):
☐ Project Manager/Office: _____
☐ Client Name: _____
Company: _____
Address: _____
Phone: ___(____)_____ Fax:

224958

McLaren Hart

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY
Laboratory Project No.: _____ Secured: Yes ___ No ___
Storage Refrigerator ID: _____
Storage Freezer ID: _____

Project Name: Bennington L.F. - LF1 Project #: LC657.02 Sampler: JAMES PETERSON (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) James L. Peterson JAMES L PETERSON	Received by: (Signature and Printed Name)	Date: 12-19-91	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: HAND-DELIVERY

Shipment ID: N/A

Circle or Add Analysis(es) Requested

a) Identify specific metals requested under Special Instructions

Sample ID Number	Sample Description: Date	Time	Description	8010/8010 (Halogenated Volatiles-GC)	602/8020 (Aromatic Volatiles-GC)	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
1 SG-18	12/19/91	12:10 PM	AIR	X	X																	1	O	
2 SG-19		12:25 PM		X	X																	1	O	
3 SG-20		12:30		X	X																	1	O	
4 SG-21		12:45		X	X																	1	O	
5 SG-22		12:55		X	X																	1	O	
6 SG-23		1:55		X	X																	1	O	
7 SG-24		1:25		X	X																	1	O	
8 SG-25		1:45		X	X																	1	O	
9 SG-26		2:05		X	X																	1	O	
10 SG-54		1:25		X	X																	1	O	
TB-121991				X	X																	1	O	

Special Instructions/Comments: _____

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other _____

SEND DOCUMENTATION AND RESULTS TO (Check one):
☐ Project Manager/Office: _____
☐ Client Name: _____
Company: _____
Address: _____
Phone: ___ (___) _____ Fax: _____

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt: _____

224959

McLaren Hart

CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY
Laboratory Project No.: _____ Secured
Storage Refrigerator ID: _____ Yes
Storage Freezer ID: _____ No

Project Name: Pennington LF - LFI Project #: LC657.02 Sampler: James L. Peterson (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) James L. Peterson	Received by: (Signature and Printed Name)	Date:	Time: 4:00 PM
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date: 2/20/91	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Received by: (Signature and Printed Name)	Date:	Time:

SHIP TO:
McLaren Analytical Laboratory
11101 White Rock Road
Rancho Cordova, CA 95670
(916) 638-3696
FAX (916) 638-2842

Method of Shipment: Hand-delivery
Shipment ID: N/A

Circle or Add Analysis(es) Requested: Modified

Sample ID Number	Sample Description: Date	Time	Description	601/8010 Halogenated Volatiles-GC	602/8020 Aromatic Volatiles-GC	604/8040 (Phenols-GC)	608/8080 (Pesticides/PCB-GC)	610/8100 (PNA-GC)	624/8240 (Volatiles-GC/MS)	625/8270 (BNA-GC/MS)	TPH/G (Gasoline-GC)	TPH/D (Diesel-GC)	418.1 (IR)	8015 Modified (GC)	Metals-Total a	Metals-Soluble a	Fluoride/Perchlorate	Chloride/pH	TDS/Percent Solid	Specific Conductivity (EC)	TAT	Container(s) #	Container(s) Type	FOR LABORATORY USE ONLY Lab ID
1	SG-27	12/20/91	1015 AM	AIR	X	X																1	O	
2	SG-28		1054 AM		X	X																1	O	
3	SG-29		1105 AM		X	X																1	O	
4	SG-30		1130 AM		X	X																1	O	
5	TB-122091		935 AM		X	X																1	O	
6																								
7																								
8																								
9																								
10																								

a) Identify specific metals requested under Special Instructions

Special Instructions/Comments: _____

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____

TAT (Analytical Turn-Around Times) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks
Container Types: B=Brass Tube, V=VOA Vial, A=1-Liter Amber, G=Glass Jar, C=Cassette, O = Other Teflon bag

FOR LABORATORY USE ONLY. Sample Condition Upon Receipt: _____

SEND DOCUMENTATION AND RESULTS TO (Check one):
☐ Project Manager/Office: _____
☐ Client Name: _____
Company: _____
Address: _____
Phone: ___ (____) _____ Fax:

SECTION VI

METHOD BLANKS
TRIP BLANKS
FIELD BLANKS

BENNINGTON
BENNINGTON, VT
METHOD BLANKS

401

SAMPLE I.D.	MTD BLK	MTD BLK	MTD BLK
DATE ANALYZED	12/15/91	12/21/91	12/23/91
SAMPLE MATRIX	WATER	WATER	WATER
DILUTION FACTOR	1	1	1
VOLATILE COMPOUNDS, (PPB)			
Benzene	5U	5U	5U
Bromodichloromethane	5U	5U	5U
Bromoform	5U	5U	5U
Bromomethane (Methylbromide)	5U	5U	5U
Carbon tetrachloride	5U	5U	5U
Chlorobenzene	5U	5U	5U
Chloroethane	5U	5U	5U
Chlorodibromomethane	5U	5U	5U
Chloroform	5U	5U	5U
Chloromethane	5U	5U	1.39 J
1,2-Dichlorobenzene	5U	5U	5U
1,3-Dichlorobenzene	5U	5U	5U
1,4-Dichlorobenzene	5U	5U	5U
1,1-Dichloroethene	5U	5U	5U
1,2-Dichloroethane	5U	5U	5U
1,2-Dichloroethene	5U	5U	5U
1,1-Dichloroethane	5U	5U	5U
1,2-Dichloropropane	5U	5U	5U
cis-1,3-Dichloropropene	5U	5U	5U
trans 1,3-Dichloropropene	5U	5U	5U
Methylene Chloride	2.37 J	5U	1.49 J
Ethyl benzene	5U	5U	5U
1,1,2,2-Tetrachloroethane	5U	5U	5U
Tetrachloroethene	5U	5U	5U
Toluene	5U	5U	5U
1,1,1-Trichlorethane	5U	5U	5U
1,1,2-Trichloroethane	5U	5U	5U
Trichloroethene	5U	5U	5U
Dichlorodifluoromethane	5U	5U	5U
Total xylenes	5U	5U	5U

U - Below Method Quant. Limits
J - Estimated, Outside Linear Working Range
B - Compound found in blank

BENNINGTON
BENNINGTON, VT
METHOD BLANKS

401

SAMPLE I.D.	MTD BLK	MTD BLK	MTD BLK
DATE ANALYZED	12/18/91	12/20/91	12/21/91
SAMPLE MATRIX	WATER	WATER	WATER
DILUTION FACTOR	1	1	1
VOLATILE COMPOUNDS, (PPB)			
Benzene	5U	5U	5U
Bromodichloromethane	5U	5U	5U
Bromoform	5U	5U	5U
Bromomethane (Methylbromide)	5U	5U	5U
Carbon tetrachloride	5U	5U	5U
Chlorobenzene	5U	5U	5U
Chloroethane	5U	5U	5U
Chlorodibromomethane	5U	5U	5U
Chloroform	5U	5U	5U
Chloromethane	5U	5U	5U
1,2-Dichlorobenzene	5U	5U	5U
1,3-Dichlorobenzene	5U	1.31 J	5U
1,4-Dichlorobenzene	5U	5U	5U
1,1-Dichloroethene	5U	5U	5U
1,2-Dichloroethane	5U	5U	5U
1,2-Dichloroethene	5U	5U	5U
1,1-Dichloroethane	5U	5U	5U
1,2-Dichloropropane	5U	5U	5U
cis-1,3-Dichloropropene	5U	5U	5U
trans 1,3-Dichloropropene	5U	5U	5U
Methylene Chloride	1.44 J	5U	5U
Ethyl benzene	5U	5U	5U
1,1,2,2-Tetrachloroethane	5U	5U	5U
Tetrachloroethene	5U	5U	5U
Toluene	5U	5U	5U
1,1,1-Trichlorethane	5U	5U	5U
1,1,2-Trichloroethane	5U	5U	5U
Trichloroethene	5U	5U	5U
Dichlorodifluoromethane	5U	5U	5U
Total xylenes	5U	8.14	5U

U-Below Method Quant. Limits
J-Estimated, Outside Linear Working Range
B-Compound found in blank

BENNINGTON
BENNINGTON, VT
METHOD BLANKS

401

SAMPLE I.D.	MTD BLK	MTD BLK	MTD BLK	MTD BLK
DATE ANALYZED	12/14/91	12/14/91	12/14/91	2/11/92
SAMPLE MATRIX	WATER	WATER	WATER	WATER
DILUTION FACTOR	1	1	1	1
VOLATILE COMPOUNDS, (PPB)				
Benzene	5U	5U	5U	5U
Bromodichloromethane	5U	5U	5U	5U
Bromoform	5U	5U	5U	5U
Bromomethane (Methylbromide)	5U	5U	5U	5U
Carbon tetrachloride	5U	5U	5U	5U
Chlorobenzene	5U	5U	5U	5U
Chloroethane	5U	5U	5U	5U
Chlorodibromomethane	5U	5U	5U	5U
Chloroform	5U	5U	5U	5U
Chloromethane	5U	5U	6.5	5U
1,2-Dichlorobenzene	5U	5U	4.4J	5U
1,3-Dichlorobenzene	5U	5U	3.5J	5U
1,4-Dichlorobenzene	5U	5U	5U	5U
1,1-Dichloroethene	5U	5U	5U	5U
1,2-Dichloroethane	5U	5U	5U	5U
1,2-Dichloroethene	5U	5U	5U	5U
1,1-Dichloroethane	5U	5U	5U	5U
1,2-Dichloropropane	5U	5U	5U	5U
cis-1,3-Dichloropropene	5U	5U	5U	5U
trans 1,3-Dichloropropene	5U	5U	5U	5U
Methylene Chloride	1.04 J	1.77 J	1.07 J	5U
Ethyl benzene	5U	5U	5U	5U
1,1,2,2-Tetrachloroethane	5U	5U	5U	5U
Tetrachloroethene	5U	5U	5U	5U
Toluene	5U	5U	5U	5U
1,1,1-Trichlorethane	5U	5U	5U	5U
1,1,2-Trichloroethane	5U	5U	5U	5U
Trichloroethene	5U	5U	5U	5U
Dichlorodifluoromethane	5U	5U	5U	5U
Total xylenes	5U	5U	5U	5U

U-Below Method Quant. Limits
J-Estimated, Outside Linear Working Range
B-Compound found in blank

BENNINGTON
BENNINGTON, VT
METHOD BLANKS

401

SAMPLE I.D.	MTD BLK	MTD BLK	MTD BLK	MTD BLK
DATE ANALYZED	2/12/92	2/12/92	12/15/91	2/17/92
SAMPLE MATRIX	WATER	WATER	WATER	WATER
DILUTION FACTOR	1	1	1	1
VOLATILE COMPOUNDS, (PPB)				
Benzene	5U	5U	5U	5U
Bromodichloromethane	5U	5U	5U	5U
Bromoform	5U	5U	5U	5U
Bromomethane (Methylbromide)	5U	5U	5U	5U
Carbon tetrachloride	5U	5U	5U	5U
Chlorobenzene	5U	5U	5U	5U
Chloroethane	5U	5U	5U	5U
Chlorodibromomethane	5U	5U	5U	5U
Chloroform	5U	5U	5U	5U
Chloromethane	5U	5U	5U	5U
1,2-Dichlorobenzene	5U	5U	5U	5U
1,3-Dichlorobenzene	5U	5U	5U	5U
1,4-Dichlorobenzene	5U	5U	5U	5U
1,1-Dichloroethene	5U	5U	5U	5U
1,2-Dichloroethane	5U	5U	5U	5U
1,2-Dichloroethene	5U	5U	5U	5U
1,1-Dichloroethane	5U	5U	5U	5U
1,2-Dichloropropane	5U	5U	5U	5U
cis-1,3-Dichloropropene	5U	5U	5U	5U
trans 1,3-Dichloropropene	5U	5U	5U	5U
Methylene Chloride	1.87 J	2.18 J	16.42	1.10 J
Ethyl benzene	5U	5U	5U	5U
1,1,2,2-Tetrachloroethane	5U	5U	5U	5U
Tetrachloroethene	5U	5U	5U	5U
Toluene	5U	5U	5U	5U
1,1,1-Trichlorethane	5U	5U	5U	5U
1,1,2-Trichloroethane	5U	5U	5U	5U
Trichloroethene	5U	5U	5U	5U
Dichlorodifluoromethane	5U	5U	5U	5U
Total xylenes	5U	5U	5U	5U

U-Below Method Quant. Limits
J-Estimated, Outside Linear Working Range
B-Compound found in blank

BENNINGTON
BENNINGTON, VT
TRIP BLANKS

403

SAMPLE I.D.	TB 12/4/91	TB 12/05/91	TB 12/09/91
DATE ANALYZED	12/12/91	12/13/91	2/15/92
SAMPLE MATRIX	WATER	WATER	WATER
DILUTION FACTOR	1	1	1
VOLATILE COMPOUNDS, (PPB)			
Benzene	5U	5U	5U
Bromodichloromethane	5U	5U	5U
Bromoform	5U	5U	5U
Bromomethane (Methylbromide)	5U	5U	5U
Carbon tetrachloride	5U	5U	5U
Chlorobenzene	5U	5U	5U
Chloroethane	5U	5U	5U
Chlorodibromomethane	5U	5U	5U
Chloroform	5U	5U	5U
Chloromethane	5U	5U	5U
1,2-Dichlorobenzene	5U	5U	5U
1,3-Dichlorobenzene	5U	5U	5U
1,4-Dichlorobenzene	5U	5U	5U
1,1-Dichloroethene	5U	5U	5U
1,2-Dichloroethane	5U	5U	5U
1,2-Dichloroethene	5U	5U	5U
1,1-Dichloroethane	5U	5U	5U
1,2-Dichloropropane	5U	5U	5U
cis-1,3-Dichloropropene	5U	5U	5U
trans 1,3-Dichloropropene	5U	5U	5U
Methylene Chloride	22.88	55.94	40.61
Ethyl benzene	5U	5U	5U
1,1,2,2-Tetrachloroethane	5U	5U	5U
Tetrachloroethene	5U	5U	5U
Toluene	5U	5U	5U
1,1,1-Trichlorethane	5U	5U	5U
1,1,2-Trichloroethane	5U	5U	5U
Trichloroethene	5U	5U	5U
Dichlorodifluoromethane	5U	5U	5U
Total xylenes	5U	5U	5U

U - Below Method Quant. Limits
J - Estimated, Outside Linear Working Range
B - Compound found in blank

BENNINGTON
BENNINGTON, VT
TRIP BLANKS

403

SAMPLE I.D.	TB 12/10/91	TB 12/11/91	TB 12/10/91
DATE ANALYZED	12/15/91	12/17/91	12/19/91
SAMPLE MATRIX	WATER	WATER	WATER
DILUTION FACTOR	1	1	1
VOLATILE COMPOUNDS, (PPB)			
Benzene	5U	5U	5U
Bromodichloromethane	5U	5U	5U
Bromoform	5U	5U	5U
Bromomethane (Methylbromide)	5U	5U	5U
Carbon tetrachloride	5U	5U	5U
Chlorobenzene	5U	5U	5U
Chloroethane	5U	5U	5U
Chlorodibromomethane	5U	5U	5U
Chloroform	5U	5U	5U
Chloromethane	5U	5U	5U
1,2-Dichlorobenzene	5U	5U	5U
1,3-Dichlorobenzene	5U	5U	5U
1,4-Dichlorobenzene	5U	5U	5U
1,1-Dichloroethene	5U	5U	5U
1,2-Dichloroethane	5U	5U	5U
1,2-Dichloroethene	5U	5U	5U
1,1-Dichloroethane	5U	5U	5U
1,2-Dichloropropane	5U	5U	5U
cis-1,3-Dichloropropene	5U	5U	5U
trans 1,3-Dichloropropene	5U	5U	5U
Methylene Chloride	5U	5U	5U
Ethyl benzene	5U	5U	5U
1,1,2,2-Tetrachloroethane	5U	5U	5U
Tetrachloroethene	5U	5U	5U
Toluene	5U	5U	5U
1,1,1-Trichlorethane	5U	5U	5U
1,1,2-Trichloroethane	5U	5U	5U
Trichloroethene	5U	5U	5U
Dichlorodifluoromethane	5U	5U	5U
Total xylenes	5U	5U	5U

U - Below Method Quant. Limits
J - Estimated, Outside Linear Working Range
B - Compound found in blank

BENNINGTON
BENNINGTON, VT
TRIP BLANKS

403

SAMPLE I.D.	TB 12/13/91	TB 12/17/91	TB 12/19/91
DATE ANALYZED	12/20/91	12/21/91	12/24/91
SAMPLE MATRIX	WATER	WATER	WATER
DILUTION FACTOR	1	1	1
VOLATILE COMPOUNDS, (PPB)			
Benzene	5U	5U	5U
Bromodichloromethane	5U	5U	5U
Bromoform	5U	5U	5U
Bromomethane (Methylbromide)	5U	5U	5U
Carbon tetrachloride	5U	5U	5U
Chlorobenzene	5U	5U	5U
Chloroethane	5U	5U	5U
Chlorodibromomethane	5U	5U	5U
Chloroform	5U	5U	5U
Chloromethane	5U	5U	5U
1,2-Dichlorobenzene	5U	5U	5U
1,3-Dichlorobenzene	5U	5U	5U
1,4-Dichlorobenzene	5U	5U	5U
1,1-Dichloroethene	5U	5U	5U
1,2-Dichloroethane	5U	5U	5U
1,2-Dichloroethene	5U	5U	5U
1,1-Dichloroethane	5U	5U	5U
1,2-Dichloropropane	5U	5U	5U
cis-1,3-Dichloropropene	5U	5U	5U
trans 1,3-Dichloropropene	5U	5U	5U
Methylene Chloride	3.06 J	5U	5U
Ethyl benzene	5U	5U	5U
1,1,2,2-Tetrachloroethane	5U	5U	5U
Tetrachloroethene	5U	5U	5U
Toluene	5U	5U	5U
1,1,1-Trichlorethane	5U	5U	5U
1,1,2-Trichloroethane	5U	5U	5U
Trichloroethene	5U	5U	5U
Dichlorodifluoromethane	5U	5U	5U
Total xylenes	5U	5U	5U

U - Below Method Quant. Limits
J - Estimated, Outside Linear Working Range
B - Compound found in blank

BENNINGTON
BENNINGTON, VT
TRIP BLANKS

403

SAMPLE I.D.	TB 12/24/92
DATE ANALYZED	12/24/91
SAMPLE MATRIX	WATER
DILUTION FACTOR	1
VOLATILE COMPOUNDS, (PPB)	
Benzene	5U
Bromodichloromethane	5U
Bromoform	5U
Bromomethane (Methylbromide)	5U
Carbon tetrachloride	5U
Chlorobenzene	5U
Chloroethane	5U
Chlorodibromomethane	5U
Chloroform	5U
Chloromethane	5U
1,2-Dichlorobenzene	5U
1,3-Dichlorobenzene	5U
1,4-Dichlorobenzene	5U
1,1-Dichloroethene	5U
1,2-Dichloroethane	5U
1,2-Dichloroethene	5U
1,1-Dichloroethane	5U
1,2-Dichloropropane	5U
cis-1,3-Dichloropropene	5U
trans 1,3-Dichloropropene	5U
Methylene Chloride	5U
Ethyl benzene	5U
1,1,2,2-Tetrachloroethane	5U
Tetrachloroethene	5U
Toluene	3.8 J
1,1,1-Trichlorethane	5U
1,1,2-Trichloroethane	5U
Trichloroethene	5U
Dichlorodifluoromethane	5U
Total xylenes	5U

U-Below Method Quant. Limits
J-Estimated, Outside Linear Working Range
B-Compound found in blank

BENNINGTON
BENNINGTON, VT
FIELD BLANKS

402

SAMPLE I.D.	FB 12/10/91	FB SED 12/13/91
DATE ANALYZED	12/18/91	12/20/91
SAMPLE MATRIX	WATER	WATER
DILUTION FACTOR	1	1
VOLATILE COMPOUNDS, (PPB)		
Benzene	5U	5U
Bromodichloromethane	5U	5U
Bromoform	5U	5U
Bromomethane (Methylbromide)	5U	5U
Carbon tetrachloride	5U	5U
Chlorobenzene	5U	5U
Chloroethane	5U	5U
Chlorodibromomethane	5U	5U
Chloroform	5U	5U
Chloromethane	5U	5U
1,2-Dichlorobenzene	5U	5U
1,3-Dichlorobenzene	5U	5U
1,4-Dichlorobenzene	5U	5U
1,1-Dichloroethene	5U	5U
1,2-Dichloroethane	5U	5U
1,2-Dichloroethene	5U	5U
1,1-Dichloroethane	5U	5U
1,2-Dichloropropane	5U	5U
cis-1,3-Dichloropropene	5U	5U
trans 1,3-Dichloropropene	5U	5U
Methylene Chloride	5U	2.62 J
Ethyl benzene	5U	5U
1,1,2,2-Tetrachloroethane	5U	5U
Tetrachloroethene	5U	5U
Toluene	5U	5U
1,1,1-Trichlorethane	5U	5U
1,1,2-Trichloroethane	5U	5U
Trichloroethene	5U	5U
Dichlorodifluoromethane	5U	5U
Total xylenes	5U	5U

U-Below Method Quant. Limits
J-Estimated, Outside Linear Working Range
B-Compound found in blank

BENNINGTON
BENNINGTON, VT
FIELD BLANKS

402

SAMPLE I.D.	FB AQUIOUS 12/9/91	FB SED 12/09/91
DATE ANALYZED	12/15/91	12/15/91
SAMPLE MATRIX	WATER	WATER
DILUTION FACTOR	1	1
VOLATILE COMPOUNDS, (PPB)		
Benzene	5U	5U
Bromodichloromethane	5U	5U
Bromoform	5U	5U
Bromomethane (Methylbromide)	5U	5U
Carbon tetrachloride	5U	5U
Chlorobenzene	5U	5U
Chloroethane	5U	5U
Chlorodibromomethane	5U	5U
Chloroform	5U	5U
Chloromethane	5U	5U
1,2-Dichlorobenzene	5U	5U
1,3-Dichlorobenzene	5U	5U
1,4-Dichlorobenzene	5U	5U
1,1-Dichloroethene	5U	5U
1,2-Dichloroethane	5U	5U
1,2-Dichloroethene	5U	5U
1,1-Dichloroethane	5U	5U
1,2-Dichloropropane	5U	5U
cis-1,3-Dichloropropene	5U	5U
trans 1,3-Dichloropropene	5U	5U
Methylene Chloride	2.65 J	5U
Ethyl benzene	5U	5U
1,1,2,2-Tetrachloroethane	5U	5U
Tetrachloroethene	5U	5U
Toluene	5U	5U
1,1,1-Trichlorethane	5U	5U
1,1,2-Trichloroethane	5U	5U
Trichloroethene	5U	5U
Dichlorodifluoromethane	5U	5U
Total xylenes	5U	5U

U-Below Method Quant. Limits
J-Estimated, Outside Linear Working Range
B-Compound found in blank

VOLATILE ANALYSIS
TABLE OF CONTENTS

/bentoc

SECTION I

DATA SUMMARY

McLaren/Hart Real Time Data (PCBs)
Bennington Landfill LFI
Bennington Vermont

INTRODUCTION

A total of fifty-seven (57) samples were analyzed for polychlorinated biphenyls (PCBs) during the Bennington Landfill LFI. The specific matrices of these samples were as follows: twenty-eight (28) sediments, sixteen (16) waters, eight (8) leachate seeps, two (2) culvert waters, and three (3) field blanks. These samples were analyzed begining on 12/10/91 at 02:54:13 am, and ending on 12/30/91 at 11:46:00 am.

METHODOLOGIES

USEPA SW-846 Methodologies for sample preparation and analysis were used.Method 8080 was used to determine the concentration and species of polychlorinated biphenyl (PCBs).This method provides gas chromatographic conditions for the detection of ppb levels of PCBs. This method was modified by using a single Megabore Capillary column (SPB-5) and not calibrating for any pesticides. Prior to the use of this method, appropriate sample extraction techniques must be performed. Methods of sample extraction were dependent on sample matrix. Sediments were extracted using SW-846 method 3550, while waters were extracted by SW-846 method 3510. A 3-ul sample is injected into a gas chromatograph (GC) using the solvent flush technique. Compounds in the GC effluent are detected by an electron capture detector.

NON-CONFORMANCE SUMMARY

Initial Calibration

A three (3) point calibration was used to quantitate Aroclores instead of a five (5) point curve. Originally a five point curve was desired, however a series of power failures due to extreme weather conditions influenced the time frame needed for analysis by reducing the amount of time needed for proper set-up.

Daily Calibration

If the response factor for a daily calibration check fell outside the acceptance range (< 15 %D)the cal check was reanalyzed. If the response factor was still outside the acceptance range, recalibration for that Aroclor was performed.This was the case on 12/16/91-12/17/91. Aroclors 1260 and 1248 were slightly outside the acceptance criteria after reanalysis. Recalibration for these Aroclors was performed as corrective action on 12/17/91.

Qualitative Analysis

Aroclor 1016 and 1242 can be qualitatively distinguished when either Aroclor is present individually. When a mixture of both Aroclors are present the resulting chromatogram is analytically identical to 1242. Historical site information indicates the potential for Arclors 1016 and 1242 to be present on-site as a mixture. Based on this information it is safe to conclude that 1242 is present however the presents of 1016 has not been ruled out. For user evaluation both Aroclor values have been calculated. As stated in the footer of the data summary both values have been reported. These values should not be summed. The user should use only one of the two values.

FIELD ANALYSIS RESULTS FOR PCB'S
BENNINGTON LFI
BENNINGTON VERMONT
ALL VALUES IN PPM, WET WEIGHT

Sample I.D.	SW-06	SW-09	SD-08	SD-09	FB-1203	SW-14	SW-12	SW-10
Date Collected	12/13/91	12/3/91	12/3/91	12/3/91	12/3/91	12/4/91	12/4/91	12/4/91
Date Extracted	12/3/91	12/3/91	12/3/91	12/3/91	12/3/91	12/4/91	12/5/91	12/5/91
Date Analyzed	12/10/91	12/10/91	12/3/91	12/10/91	12/10/91	12/10/91	12/13/91	12/10/91
Matrix	WATER	WATER	SED	SED	WATER	WATER	WATER	WATER
Aroclor-1016	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	ND

Sample I.D.	SD-14	SD-12	SD-10	SD-06	SD-07	SD-07D	SD-36	SW-06
Date Collected	12/4/91	12/4/91	12/4/91	12/4/91	12/4/91	12/4/91	12/4/91	12/4/91
Date Extracted	12/5/91	12/5/91	12/5/91	12/4/91	12/4/91	12/5/91	12/4/91	12/4/91
Date Analyzed	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91
Matrix	SED	SED	SED	SED	SED	SED	SED	WATER
Aroclor-1016	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	0.035	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	ND

Sample I.D.	SW-07	SW-05	SD-11	SD-05	SW-05	SD-02	SW-13	SW-03
Date Collected	12/4/91	12/4/91	12/5/91	12/5/91	12/5/91	12/5/91	12/5/91	12/5/91
Date Extracted	12/4/91	12/4/91	12/7/91	12/7/91	12/6/91	12/7/91	12/6/91	12/8/91
Date Analyzed	12/10/91	12/13/91	12/13/91	12/13/91	12/13/91	12/11/91	12/10/91	12/30/91
Matrix	WATER	WATER	SED	SED	WATER	SED	WATER	WATER
Aroclor-1016	ND	ND	33	9.4	0.12	1.8	ND	0.022
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	0.014
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	29	5.2	0.16	1.6	ND	0.027
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	ND

1016/1242 Aroclor 1016 is indistinguishable analytically from Aroclor 1242. Therefore, quantitative analysis was performed and reported for both Aroclor 1016 and 1242. The user should not sum values.

MI-Matrix Interference

FIELD ANALYSIS RESULTS FOR PCB'S
BENNINGTON LFI
BENNINGTON VERMONT
ALL VALUES IN PPM, WET WEIGHT

Sample I.D.	SW-04	SW-05	SW-02	SD-13	SD-03	SD-04	SD-06	SD-15
Date Collected	12/5/91	12/5/91	12/5/91	12/5/91	12/3/91	12/5/91	12/5/91	12/5/91
Date Extracted	12/8/91	12/6/91	12/8/91	12/6/91	12/7/91	12/7/91	12/6/91	12/7/91
Date Analyzed	12/10/91	12/13/91	12/11/91	12/11/91	12/19/91	12/12/91	12/13/91	12/11/91
Matrix	WATER	WATER	WATER	SED	SED	SED	SED	SED
Aroclor-1016	0.012	0.007	0.073	ND	150.0	141.0	567.0	23.2
Aroclor-1221	0.007	ND	0.032	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	0.014	0.105	0.468	ND	182	170.4	668.4	28.1
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	ND

Sample I.D.	LS-01SD	LS-31SD	FB-120991	LS-01AQ	LS-31AQ	LS-02AQ	LS-03AQ	SW-17
Date Collected	12/9/91	12/9/91	12/9/91	12/9/91	12/9/91	12/10/91	12/10/91	12/10/91
Date Extracted	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/10/91	12/11/91	12/11/91
Date Analyzed	12/11/91	12/13/91	12/13/91	12/13/91	12/13/91	12/19/91	12/13/91	12/13/91
Matrix	SED	SED	WATER	WATER	WATER	WATER	WATER	WATER
Aroclor-1016	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	ND

Sample I.D.	SD-11	FB-121091	SD-01	SD-17	SD-22	SD-23	SD-10	SD-24
Date Collected	12/10/91	12/10/91	12/10/91	12/10/91	12/11/91	12/11/91	12/11/91	12/11/91
Date Extracted	12/11/91	12/11/91	12/11/91	12/11/91	12/12/91	12/12/91	12/12/91	12/12/91
Date Analyzed	12/13/91	12/19/91	12/13/91	12/13/91	12/18/91	12/18/91	12/18/91	12/30/91
Matrix	SED	SED	SED	SED	SED	SED	SED	SED
Aroclor-1016	0.05	ND	ND	ND	ND	MI	0.062	ND
Aroclor-1221	ND	ND	ND	ND	ND	MI	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	MI	ND	ND
Aroclor-1242	0.07	ND	ND	ND	ND	MI	0.114	ND
Aroclor-1248	ND	ND	ND	ND	ND	MI	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	MI	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	MI	ND	ND

1016/1242 Aroclor 1016 is indistinguishable analytically from Aroclor 1242. Therefore, quantitative analysis was performed and reported for both Aroclor 1016 and 1242. The user should not sum values.

MI-Matrix Interference

FIELD ANALYSIS RESULTS FOR PCB'S
BENNINGTON LFI
BENNINGTON VERMONT
ALL VALUES IN PPM, WET WEIGHT

Sample I.D.	SD-20	SW-01	SW-81	SW-18	FB121291	SD-01	SD-31	SD-21
Date Collected	12/11/91	12/12/91	12/12/91	12/12/91	12/12/91	12/12/91	12/12/91	12/12/91
Date Extracted	12/12/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91
Date Analyzed	12/19/91	12/20/91	12/20/91	12/19/91	12/18/91	12/20/91	12/20/91	12/19/91
Matrix	SED	WATER	WATER	WATER	WATER	SED	SED	SED
Aroclor-1016	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2341.0	215.70	0.194
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.235
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	ND

Sample I.D.	SD-10
Date Collected	12/12/91
Date Extracted	12/16/91
Date Analyzed	12/18/91
Matrix	SED
Aroclor-1016	[illegible]
Aroclor-1221	ND
Aroclor-1232	ND
Aroclor-1242	[illegible]
Aroclor-1248	ND
Aroclor-1254	ND
Aroclor-1260	ND

[illegible] **Aroclor 1016 is indistinguishable analytically from Aroclor 1242. Therefore, quantitative analysis was performed and reported for both Aroclor 1016 and 1242. The user should not sum these values.**

MI- Matrix Interference

SECTION II

INITIAL CALIBRATION CURVES

PESTICIDE AND PCB INITIAL CALIBRATION

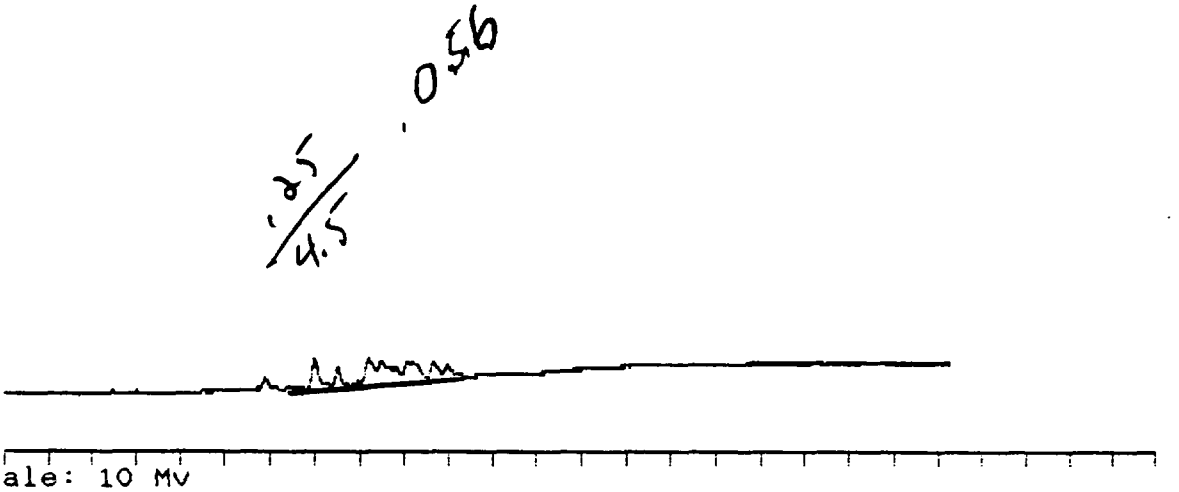
Calibration Dates: 12/04/91

Instrument I.D.: G.C. B Analyst: DEVERITT

Compound	conc.1 rf	conc.2 rf	conc.3 rf	conc.4 rf	conc.5 rf	%RSD	Avg. rf
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor epoxide							
Endosulfan I							
4-4'-DDE							
Dieldrin							
Endrin							
4-4'-DDD							
Endosulfan II							
4-4'-DDT							
Endrin Aldehyde							
Endosulfan Sulfate							
Methoxychlor							
EBC							
Toxaphene							
Chlordane							
Aroclor-1016 RT 10.83	.056	.067	.062			8.9	.0617
Aroclor-1221 RT 7.14	.156	.282	.186			7.8	.196
Aroclor-1232 RT 9.78	.132	.133	.133			0.44	.1327
Aroclor-1242 RT 10.92	.084	.080	.074			6.7	.0790 ✓
Aroclor-1248 RT 12.05	.074	.063	.060			11.2	.065 ✓
Aroclor-1254 RT 15.4	.036	.038	.035			2.7	.037
Aroclor-1260 RT 18.23	.040	.040	.044			4.59	.0413

.008
.074
.0

EPA Method 608 %RSD <10 use avg. rf: >10 plot curve (3 points)
EPA Method SW-846 8080 %RSD <20 use avg. rf: >20 plot curve (5 points)



30 Min Scale: 10 Mv
.6-.25 Processed: 12-04-1991 17:05:33, segment 1, cycle 13
RAW DATA SAVED IN FILE D:LF13.PTS

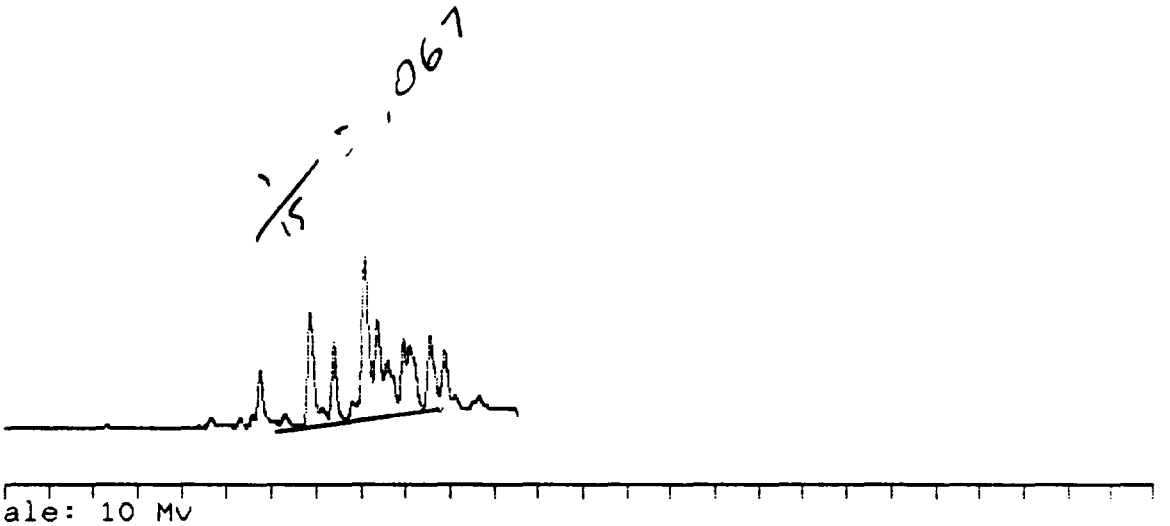
EXTERNAL STANDARD TABLE

********** 12-04-1991 17:06:43 Version 5.1 **********
* Sample Name: 1016-.25 Data File: D:LF13 *
* Date: 12-05-1991 00:15:25 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 13 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.993		0.0329	53.8852%	329	62	5.4	1			1.0000E-04
	12.227		0.0282	46.1148%	282	32	8.8	1			1.0000E-04

TOTAL AMOUNT = 0.0611



) Min Scale: 10 Mv
1016-1.0 Processed: 12-04-1991 17:26:34, segment 2, cycle 14
RAW DATA SAVED IN FILE D:LF14.PTS

***** EXTERNAL STANDARD TABLE *****

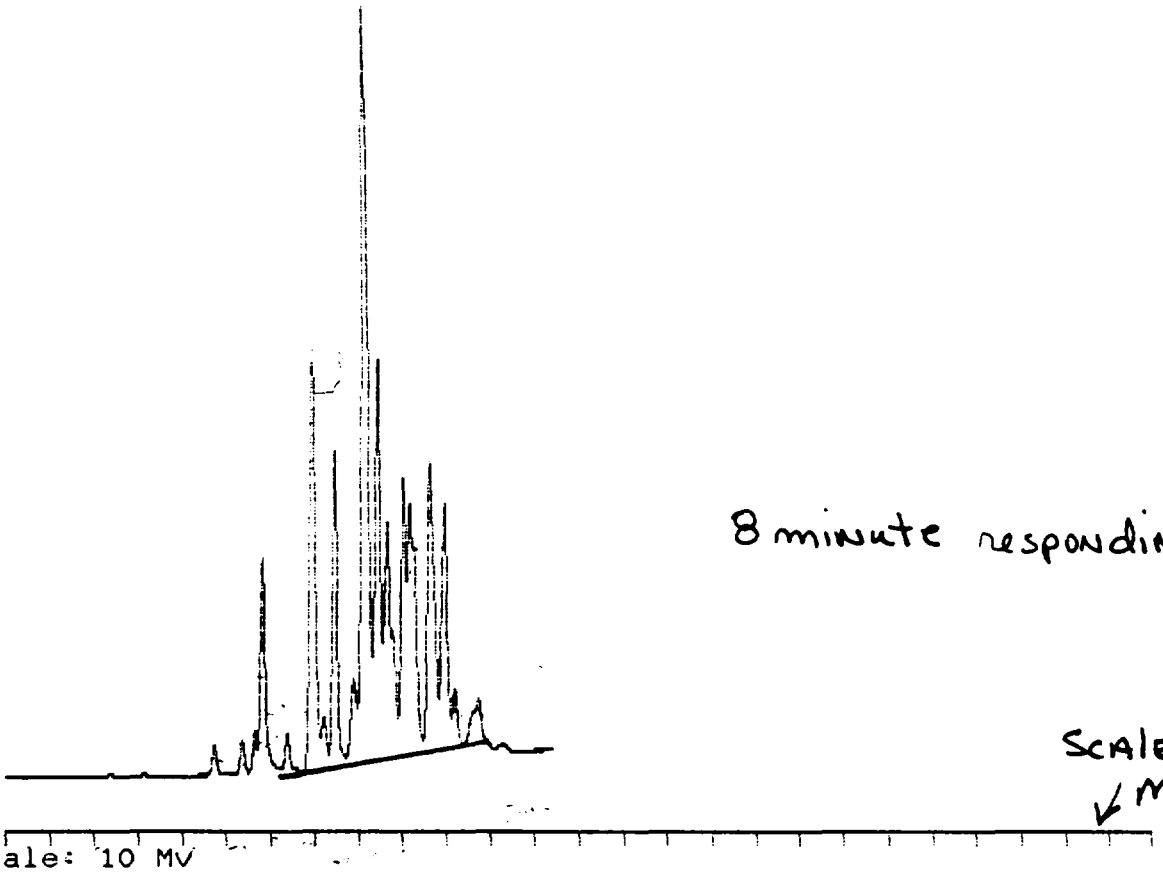
********** 12-04-1991 17:27:38 Version 5.1 **********
* Sample Name: 1016-1.0 Data File: D:LF14 *
* Date: 12-05-1991 01:07:08 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 14 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	9.757		0.3061	7.1130%	3061	477	6.4	1			1.0000E-04
	.0.877		0.9493	22.0609%	9493	1120	8.5	1			1.0000E-04
3	11.403		0.5237	12.1711%	5237	797	6.6	1			1.0000E-04
4	12.103		1.4281	33.1889%	14281	1532	9.3	2			1.0000E-04
5	12.380		0.4520	10.5052%	4520	696	6.5	2			1.0000E-04
6	12.603		0.0260	0.6040%	260	62	4.2	1			1.0000E-04
7	12.963		0.2365	5.4964%	2365	445	5.3	2			1.0000E-04

SEQUENCE RECORDED IN D:LFI1.SEQ
SEQUENCE RECORDED IN D:LFI1.SEQ

Supelco Aroclor Standard 1016 at 3.5 ppm



8 minute responding time

Scale in minutes

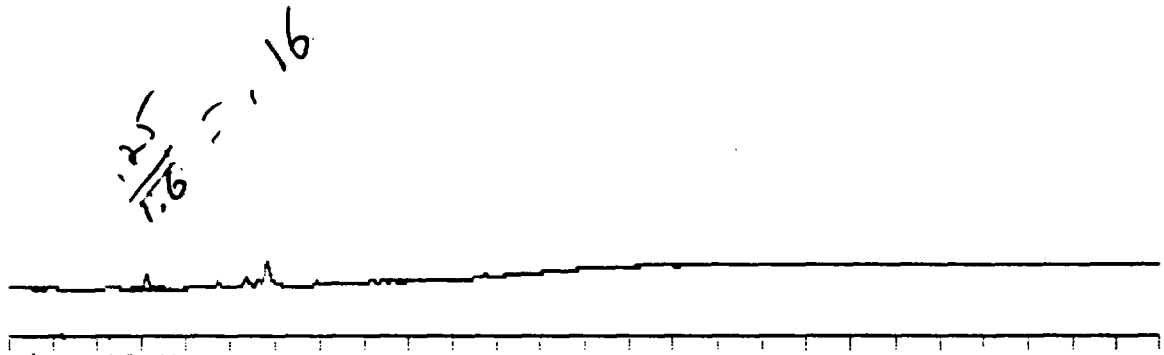
4-30 Min Scale: 10 MV
1016-3.5 Processed: 12-04-1991 17:58:09, segment 3, cycle 15
RAW DATA SAVED IN FILE D:LF15.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-04-1991 17:59:14 Version 5.1 **********
* Sample Name: 1016-3.5 Data File: D:LF15 *
* Date: 12-05-1991 02:09:25 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 15 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK #	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.723		0.0275	0.1082%	275	69	4.0	1			1.0000E-04
2	9.347		0.1798	0.7075%	1798	314	5.7	1			1.0000E-04
3	9.630		0.2157	0.8485%	2157	393	5.5	2			1.0000E-04
4	9.807		1.5697	6.1755%	15697	2247	7.0	2			1.0000E-04
5	10.373		0.0311	0.1224%	311	83	3.8	1			1.0000E-04



30 Min Scale: 10 Mv
1221-.25 Processed: 12-04-1991 20:56:24, segment 4, cycle 19
RAW DATA SAVED IN FILE D:LF19.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-04-1991 20:57:37 Version 5.1 **********

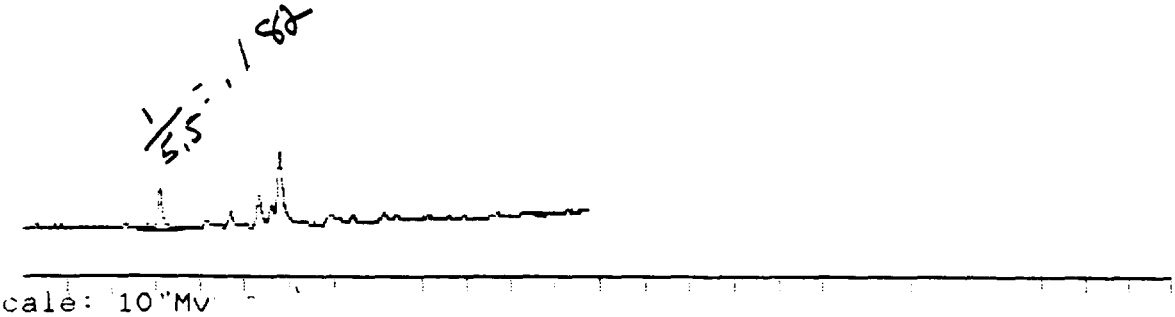
* Sample Name: 1221-.25 Data File: D:LF19 *
* Date 12-04-1991 22:48:14 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 19 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	9.820		0.0217	100.0000%	217	57	3.8 1			1.0000E-04

TOTAL AMOUNT = 0.0217



4-30 Min Scale: 10 MV
1221-1.0 Processed: 12-04-1991 21:18:52, segment 5, cycle 20
RAW DATA SAVED IN FILE D:LF20.PTS

EXTERNAL STANDARD TABLE

12-04-1991 21:19:57 Version 5.1

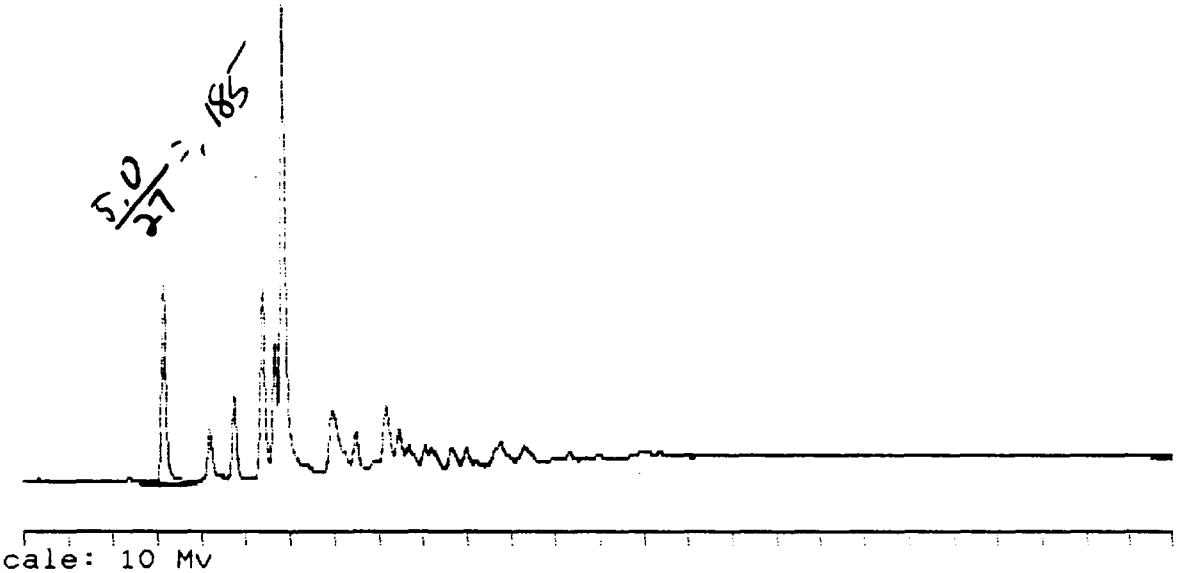
Sample Name: 1221-1.0 Data File: D:LF20
Date: 12-04-1991 23:46:24 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 20 Operator: DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.107		0.1864	28.9914%	1864	350	5.3	1			1.0000E-04
2	9.333		0.0319	4.9558%	319	74	4.3	1			1.0000E-04
3	9.610		0.0211	3.2852%	211	62	3.4	1			1.0000E-04
4	9.790		0.4035	62.7675%	4035	618	6.5	1			1.0000E-04

TOTAL AMOUNT = 0.6429



30 Min Scale: 10 MV
1221-5.0 Processed: 12-04-1991 22:02:48, segment 6, cycle 21
RAW DATA SAVED IN FILE D:LF21.PTS

EXTERNAL STANDARD TABLE

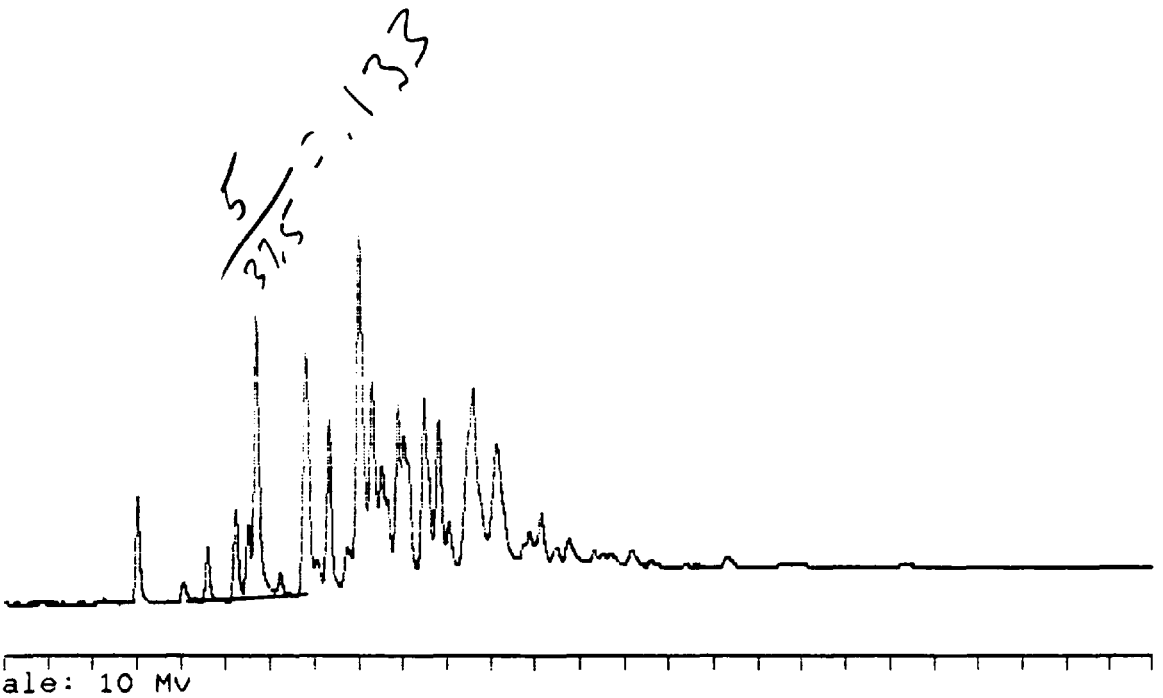
12-04-1991 22:04:01 Version 5.1

Sample Name: 1221-5.0 Data File: D:LF21
Date: 12-05-1991 01:01:00 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 21 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	7.140		1.3130	16.3285%	13130	2104	6.2	1			1.0000E-04
	8.190		0.2541	3.1603%	2541	433	5.9	1			1.0000E-04
3	8.743		0.4954	6.1612%	4954	833	5.9	1			1.0000E-04
4	9.373		1.3836	17.2062%	13836	1989	7.0	2			1.0000E-04
5	9.653		0.7447	9.2604%	7447	1239	6.0	2			1.0000E-04
6	9.830		3.6517	45.4120%	36517	4875	7.5	2			1.0000E-04
7	10.950		0.0618	0.7690%	618	87	7.1	1			1.0000E-04



.0 Min Scale: 10 Mv
1232-5.0 Processed: 12-04-1991 14:45:55, segment 9, cycle 9
RAW DATA SAVED IN FILE D:LF9.PTS

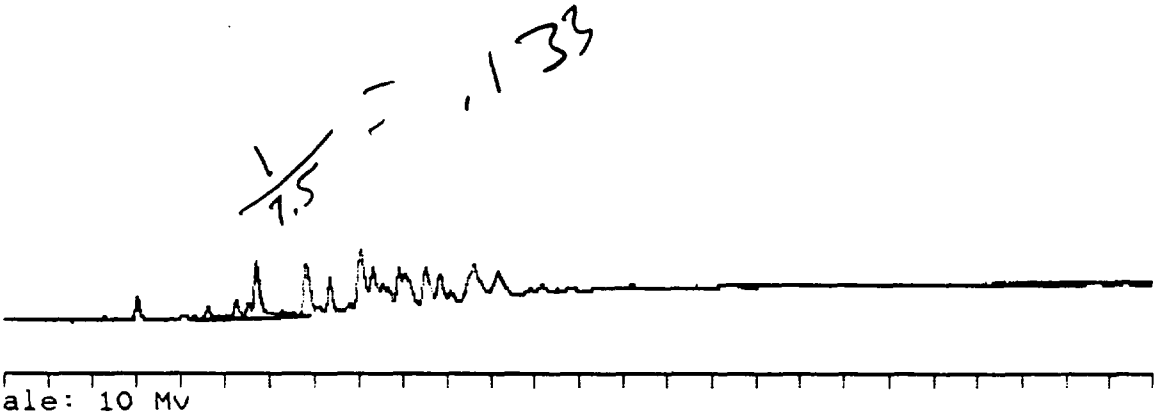
EXTERNAL STANDARD TABLE

12-04-1991 14:47:08 Version 5.1

Sample Name: 1232-5.0 Data File: D:LF9
Date: 12-04-1991 19:31:22 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 9 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	7.017		0.6460	3.4666%	6460	1075	6.0	1			1.0000E-04
	8.060		0.0168	0.0899%	168	43	3.9	1			1.0000E-04
3	8.603		0.2949	1.5826%	2949	512	5.8	1			1.0000E-04
4	9.227		0.6114	3.2810%	6114	915	6.7	1			1.0000E-04
5	9.503		0.3822	2.0512%	3822	655	5.8	2			1.0000E-04
6	9.680		2.1056	11.2988%	21056	2864	7.4	2			1.0000E-04
7	10.237		0.0143	0.0766%	143	53	2.7	1			1.0000E-04



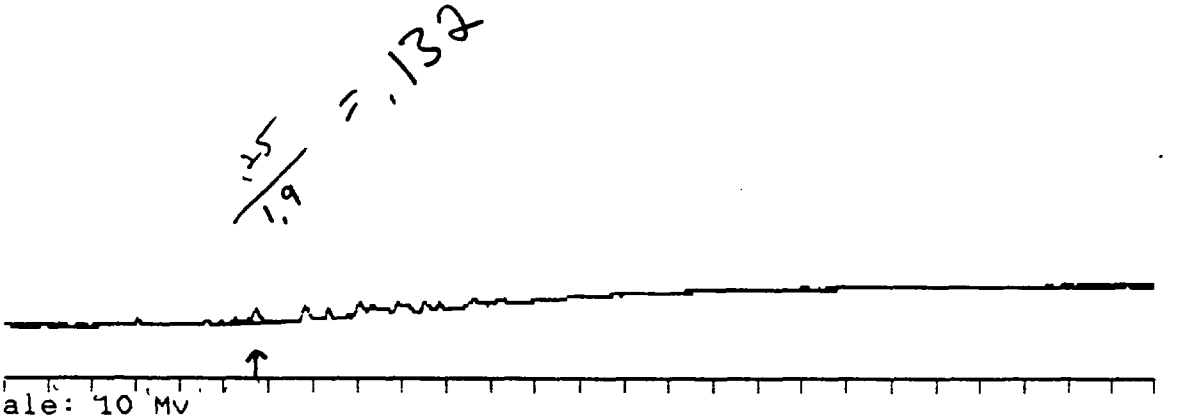
0 Min Scale: 10 Mv
1z32-1 Processed: 12-04-1991 14:09:18, segment 8, cycle 8
RAW DATA SAVED IN FILE D:LF8.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-04-1991 14:10:30 Version 5.1 **********
* Sample Name: 1232-1 Data File: D:LF8 *
* Date: 12-04-1991 18:18:09 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 8 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	7.030		0.0169	3.1570%	169	51	3.3	1			1.0000E-04
	9.703		0.2922	54.6458%	2922	462	6.3	1			1.0000E-04
3	10.820		0.0516	9.6581%	516	88	5.9	1			1.0000E-04
4	11.347		0.0240	4.4924%	240	57	4.2	1			1.0000E-04
5	12.047		0.0580	10.8513%	580	78	7.5	1			1.0000E-04
6	12.320		0.0113	2.1059%	113	38	2.9	1			1.0000E-04
7	12.903		0.0265	4.9506%	265	64	4.1	1			1.0000E-04



0 Min Scale: 10 Mv
1232-.25 Processed: 12-04-1991 13:32:36, segment 7, cycle 7
RAW DATA SAVED IN FILE D:LF7.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-04-1991 13:33:46 Version 5.1 **********
* Sample Name: 1232-.25 Data File: D:LF7 *
* Date: 12-04-1991 17:04:45 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 7 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

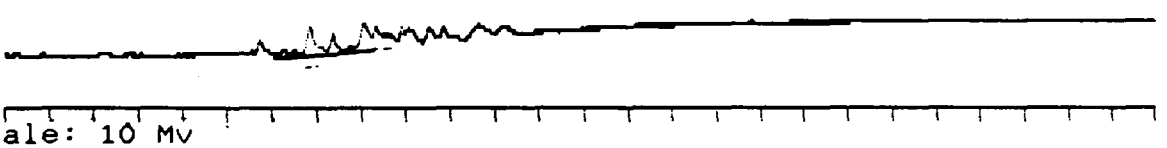
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA

TOTAL AMOUNT = 0.0000

,068

.071



30 Min Scale: 10 Mv
,2-.25 Processed: 12-04-1991 15:22:31, segment 10, cycle 10
RAW DATA SAVED IN FILE D:LF10.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-04-1991 15:23:43 Version 5.1 **********
* Sample Name: 1242-.25 Data File: D:LF10 *
* Date: 12-04-1991 20:44:34 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 10 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.830		0.0198	100.0000%	198	48	4.1	1			1.0000E-04

TOTAL AMOUNT = 0.0198

1/12 = .080

.0 Min Scale: 10 Mv
1242-1.0 Processed: 12-04-1991 15:59:22, segment 11, cycle 11
RAW DATA SAVED IN FILE D:LF11.PTS

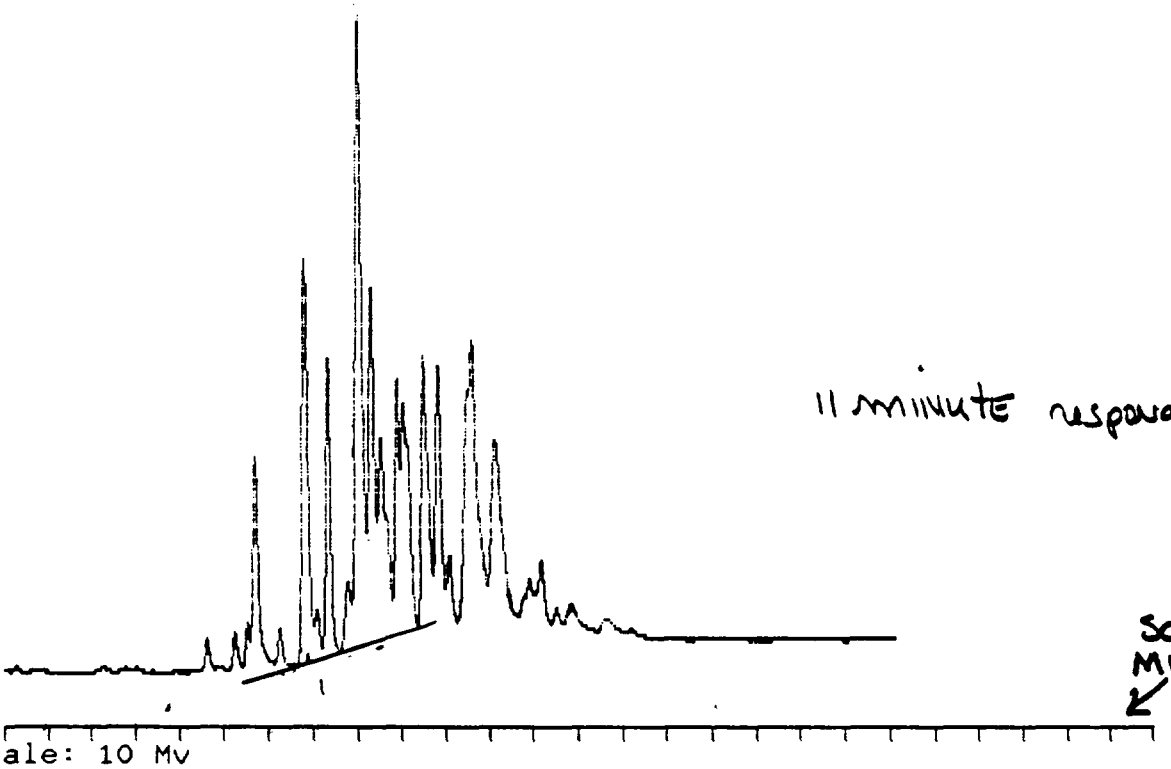
***** EXTERNAL STANDARD TABLE *****

********** 12-04-1991 16:00:34 Version 5.1 **********
* Sample Name: 1242-1.0 Data File: D:LF11 *
* Date: 12-04-1991 21:58:16 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 11 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	9.807		0.0296	5.3717%	296	72	4.1	1			1.0000E-04
	10.913		0.0778	14.1249%	778	147	5.3	1			1.0000E-04
3	11.440		0.0488	8.8548%	488	117	4.2	1			1.0000E-04
4	12.140		0.0983	17.8568%	983	114	8.6	1			1.0000E-04
5	12.417		0.0317	5.7604%	317	73	4.4	1			1.0000E-04
6	12.990		0.1697	30.8266%	1697	319	5.3	2			1.0000E-04
7	13.130		0.0165	2.9892%	165	43	3.8	2			1.0000E-04

Supelco Aroclor Standard
1242 at 4.0 ppm



0 Min Scale: 10 Mv
1z42-4.0 Processed: 12-04-1991 16:28:38, segment 12, cycle 12
RAW DATA SAVED IN FILE D:LF12.PTS

********* EXTERNAL STANDARD TABLE *********

********** 12-04-1991 16:29:49 Version 5.1 **********

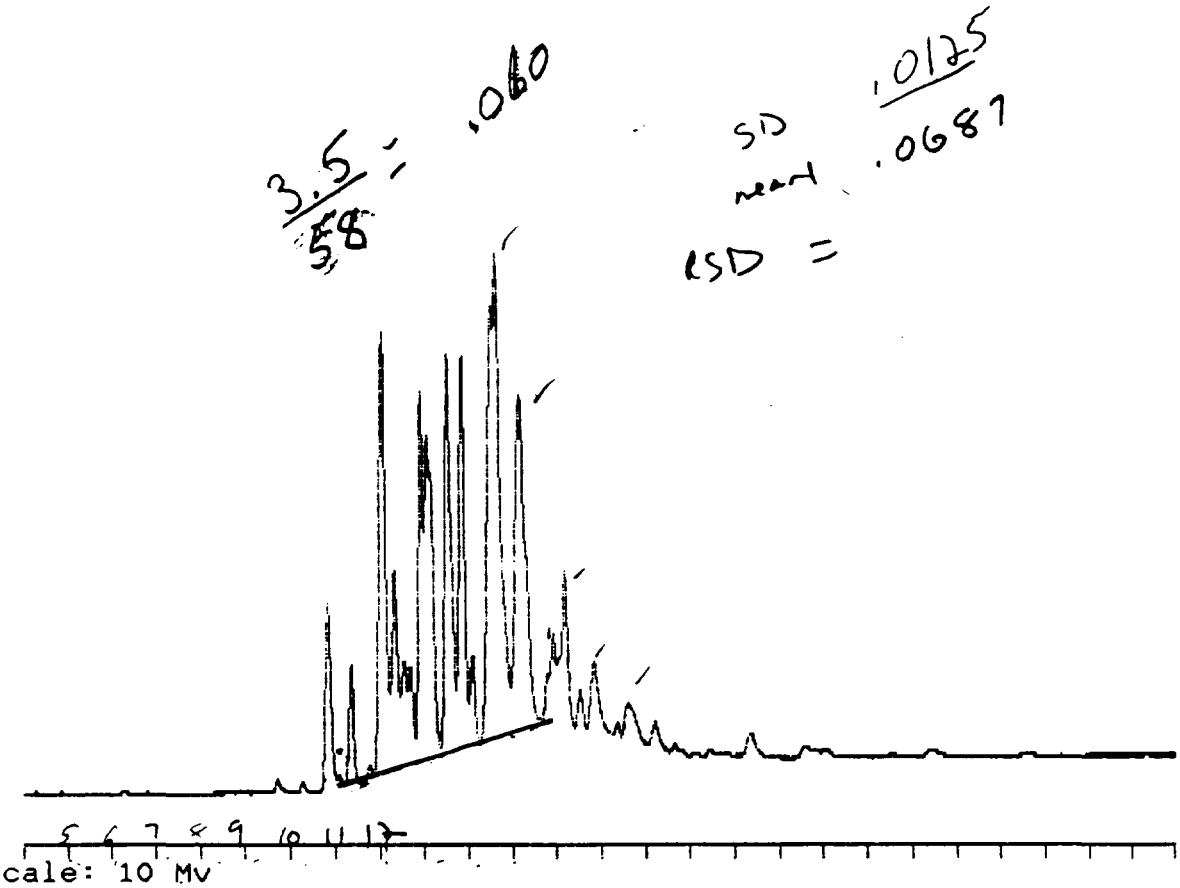
* Sample Name: 1242-4.0 Data File: D:LF12 *
* Date: 12-04-1991 23:02:42 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 12 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	8.620		0.1629	0.5520%	1629	302	5.4	1			1.0000E-04
	9.243		0.0354	0.1200%	354	78	4.5	1			1.0000E-04
3	9.527		0.0354	0.1200%	354	92	3.8	1			1.0000E-04
4	9.700		1.4157	4.7977%	14157	2050	6.9	1			1.0000E-04
5	10.263		0.1725	0.5845%	1725	322	5.4	1			1.0000E-04
6	10.820		4.0204	13.6249%	40204	4395	9.1	2			1.0000E-04
7	11.097		0.3291	1.1153%	3291	477	6.9	2			1.0000E-04

12



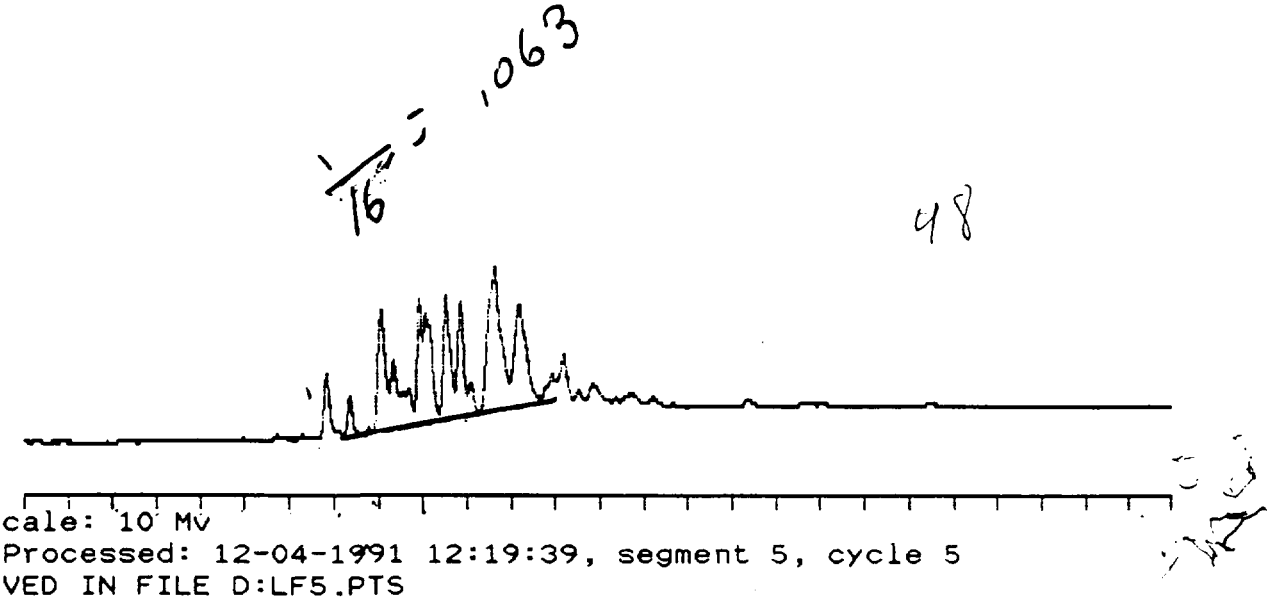
10 Min Scale: 10 Mv
1248-3.5 Processed: 12-04-1991 12:56:02, segment 6, cycle 6
RAW DATA SAVED IN FILE D:LF6.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-04-1991 12:57:15 Version 5.1 **********
* Sample Name: 1248-3.5 Data File: D:LF6 *
* Date: 12-04-1991 15:51:32 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 6 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.823		1.6128	4.2441%	16128	1956	8.2	1			1.0000E-04
	11.353		0.8208	2.1599%	8208	1235	6.6	1			1.0000E-04
3	12.050		4.7567	12.5172%	47567	4768	10.0	2			1.0000E-04
4	12.333		1.6791	4.4184%	16791	2031	8.3	2			1.0000E-04
5	12.543		0.7483	1.9691%	7483	957	7.8	2			1.0000E-04
6	12.683		0.4974	1.3088%	4974	805	6.2	2			1.0000E-04
7	12.913		1.5488	4.0755%	15488	2742	5.6	2			1.0000E-04
8	13.052		0.4965	1.3065%	4965	873	5.6	2			1.0000E-04



-30 Min Scale: 10 MV
8-1.0 Processed: 12-04-1991 12:19:39, segment 5, cycle 5
RAW DATA SAVED IN FILE D:LF5.PTS

EXTERNAL STANDARD TABLE

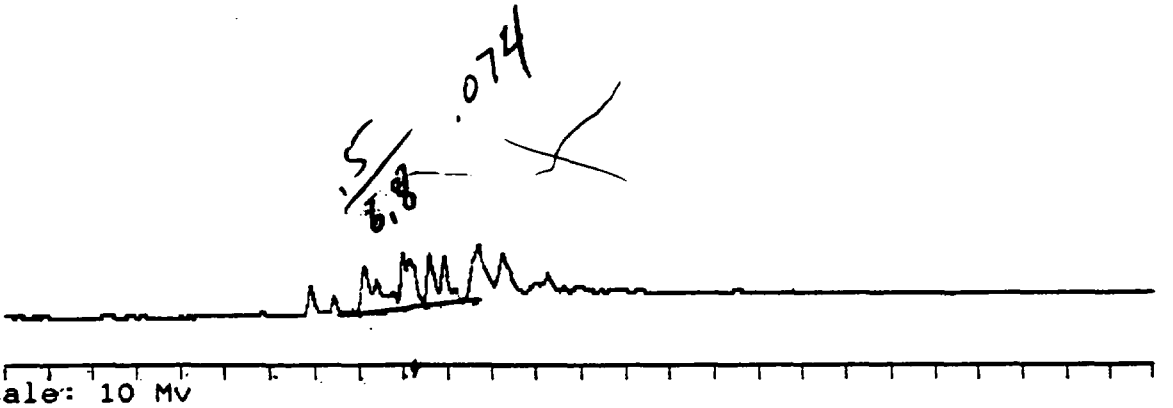
12-04-1991 12:20:51 Version 5.1

Sample Name: 1248-1.0 Data File: D:LF5
Date: 12-04-1991 14:38:48 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 5 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.827		0.4700	9.1658%	4700	617	7.6	1			1.0000E-04
^	11.360		0.2172	4.2354%	2172	357	6.1	1			1.0000E-04
	12.060		0.1180	2.3006%	1180	158	7.5	1			1.0000E-04
4	12.343		0.2021	3.9405%	2021	356	5.7	1			1.0000E-04
5	12.920		0.4355	8.4935%	4355	791	5.5	2			1.0000E-04
6	13.060		0.0391	0.7618%	391	91	4.3	2			1.0000E-04
7	13.517		1.1802	23.0150%	11802	1225	9.6	2			1.0000E-04
9	13.850		0.8363	16.3093%	8363	1044	8.0	2			1.0000E-04



,0 Min Scale: 10 Mv
1248-.5 Processed: 12-04-1991 22:38:27, segment 7, cycle 22
Error, duplicate file name = D:LF22.PTS
RAW DATA SAVED IN FILE D:LG22.PTS

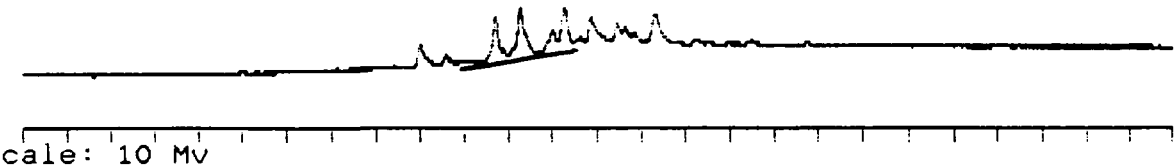
***** EXTERNAL STANDARD TABLE *****

********** 12-04-1991 22:39:44 Version 5.1 **********
* Sample Name: 1248-.5 Data File: D:LG22 *
* Date: 12-05-1991 02:12:21 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 22 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.907		0.0310	9.9516%	311	74	4.2	1			1.0000E-04
2	12.147		0.0557	17.8520%	557	78	7.1	1			1.0000E-04
3	13.003		0.0527	16.8873%	527	128	4.1	1			1.0000E-04
4	13.600		0.0505	16.2014%	506	117	4.3	1			1.0000E-04
5	13.937		0.0395	12.6599%	395	84	4.7	1			1.0000E-04
											1.0000E-04

.25/1.036



30 Min Scale: 10 MV
4-.25 Processed: 12-04-1991 19:08:52, segment 1, cycle 16
RAW DATA SAVED IN FILE D:LF16.PTS

EXTERNAL STANDARD TABLE

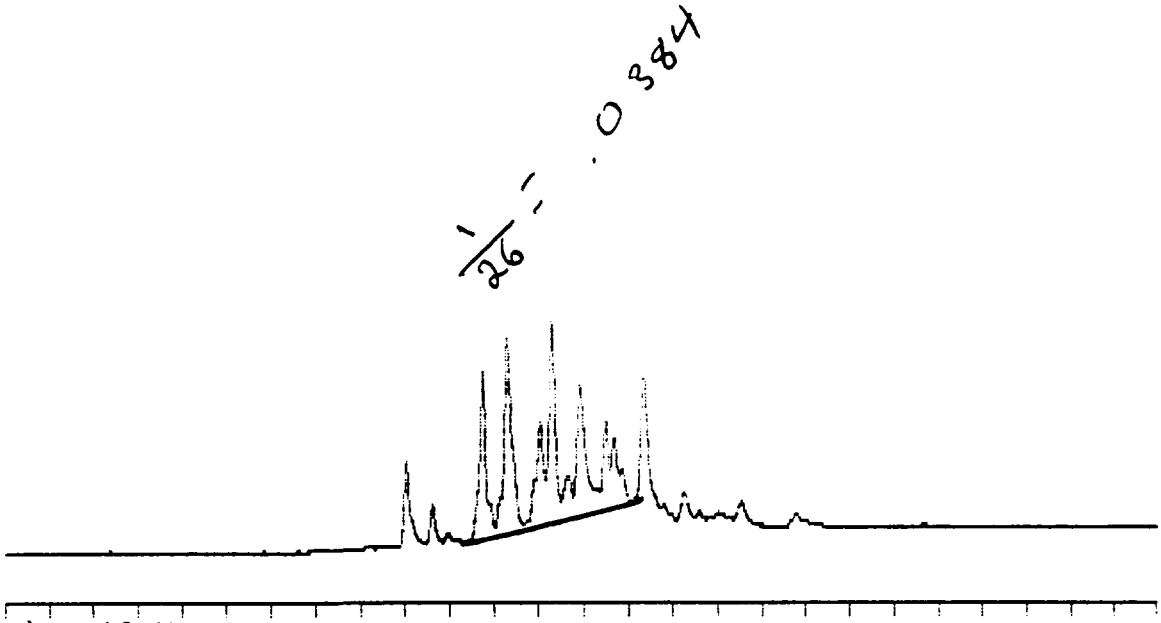
12-04-1991 19:10:04 Version 5.1

* Sample Name: 1254-.25 Data File: D:LF16
* Date: 12-04-1991 19:13:08 Method: PCB 12-04-1991 09:01:32 # 23
* Interface: 16 Cycle#: 16 Operator DE Channel#: 0 Vial#: N.A.
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
* Instrument Type: TRACOR 540 Column Type: SPB-5
* Solvent Description:
* Conditions: pro #2
* Detector 0: Detector 1: FID
* Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	14.713		0.2156	68.2546%	2156	348	6.2 1			1.0000E-04
	15.280		0.0394	12.4842%	394	73	5.4 1			1.0000E-04
	16.263		0.0340	10.7559%	340	73	4.7 1			1.0000E-04
4	16.863		0.0269	8.5053%	269	52	5.1 1			1.0000E-04

TOTAL AMOUNT = 0.3159



,0 Min Scale: 10 Mv
1254-1.0 Processed: 12-04-1991 19:44:49, segment 2, cycle 17
RAW DATA SAVED IN FILE D:LF17.PTS

EXTERNAL STANDARD TABLE

12-04-1991 19:46:10 Version 5.1

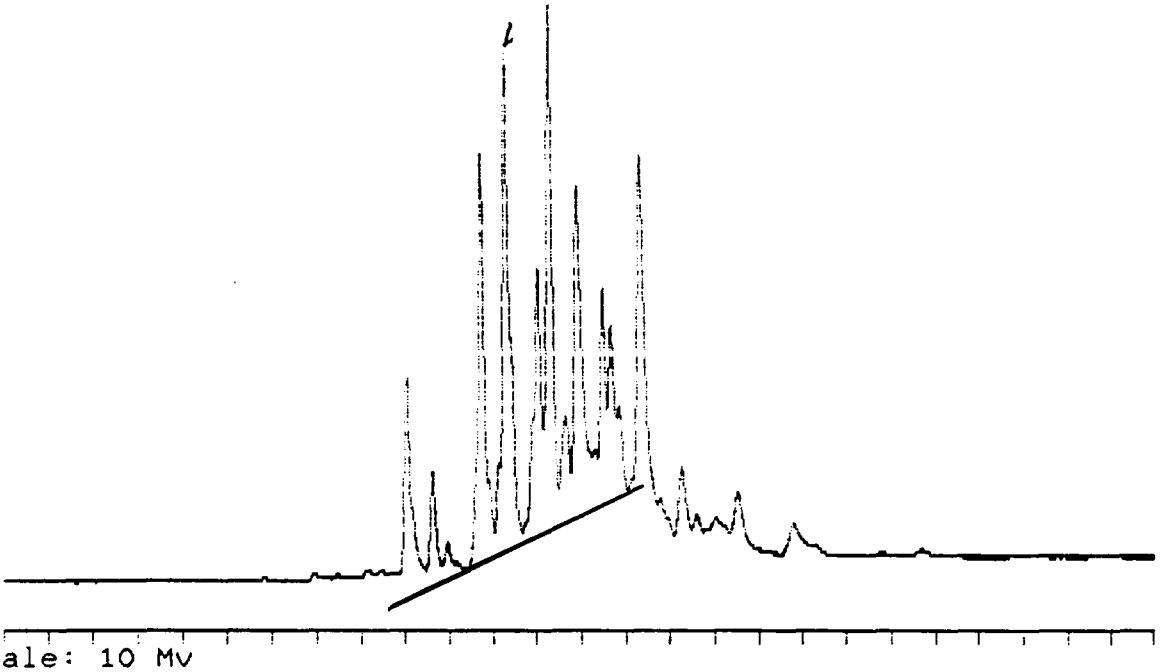
Sample Name: 1254-1.0 Data File: D:LF17
Date: 12-04-1991 20:25:03 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 17 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	13.020		0.4460	5.5458%	4460	728	6.1	1			1.0000E-04
	13.613		0.0330	0.4106%	330	76	4.4	1			1.0000E-04
3	14.743		1.1954	14.8649%	11954	1537	7.8	1			1.0000E-04
4	15.137		0.0293	0.3641%	293	69	4.3	1			1.0000E-04
5	15.303		0.9965	12.3922%	9965	1460	6.8	1			1.0000E-04
6	15.907		0.1776	2.2090%	1776	400	4.4	2			1.0000E-04
7	16.027		0.7934	9.8659%	7934	975	8.1	2			1.0000E-04

2.5/67 = .0373



.0 Min Scale: 10 Mv
1254-2.5 Processed: 12-04-1991 20:20:43, segment 3, cycle 18
RAW DATA SAVED IN FILE D:LF18.PTS

EXTERNAL STANDARD TABLE

12-04-1991 20:22:00 Version 5.1

Sample Name: 1254-2.5 Data File: D:LF18
Date: 12-04-1991 21:36:46 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 18 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

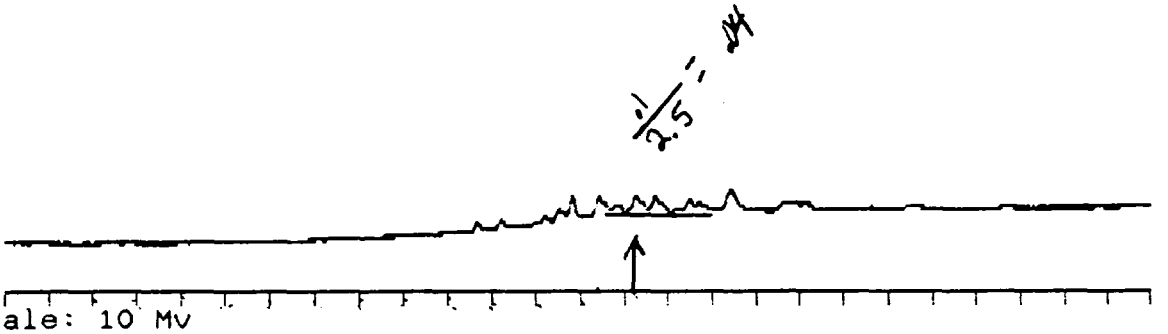
Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	13.030		1.1640	4.0569%	11640	1845	6.3	1			1.0000E-04
	13.623		0.6603	2.3014%	6603	966	6.8	1			1.0000E-04
3	13.963		0.0238	0.0831%	238	55	4.3	1			1.0000E-04
4	14.753		3.1985	11.1474%	31985	3941	8.1	1			1.0000E-04
5	15.147		0.3080	1.0733%	3080	739	4.2	2			1.0000E-04
6	15.307		5.6810	19.7997%	56810	5186	11.0	2			1.0000E-04
7	15.913		0.4863	1.6948%	4863	1044	4.7	2			1.0000E-04

.1260
INITIAL CAL

SEQUENCE RECORDED IN D:LFI1.SEQ



30 Min Scale: 10 Mv
1260-.1 Processed: 12-04-1991 10:01:17, segment 1, cycle 1
Error, duplicate file name = D:LF1.PTS
RAW DATA SAVED IN FILE D:LG1.PTS

EXTERNAL STANDARD TABLE

12-04-1991 10:02:30 Version 5.1

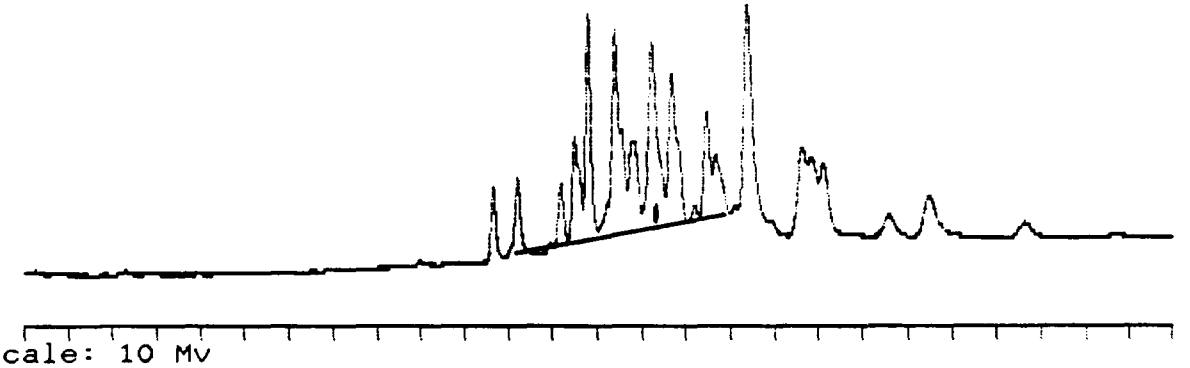
* Sample Name: 1260-.1 Data File: D:LG1
* Date: 12-04-1991 10:02:05 Method: PCB 12-04-1991 09:01:32 # 23
* Interface: 16 Cycle#: 1 Operator DE Channel#: 0 Vial#: N.A.
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
* Instrument Type: TRACOR 540 Column Type: SPB-5
* Solvent Description:
* Conditions: pro #2
* Detector 0: Detector 1: FID
* Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA

TOTAL AMOUNT = 0.0000

1/25 = .04



30 Min Scale: 10 Mv
1260-1.0 Processed: 12-04-1991 10:36:16, segment 2, cycle 2
RAW DATA SAVED IN FILE D:LF2.PTS

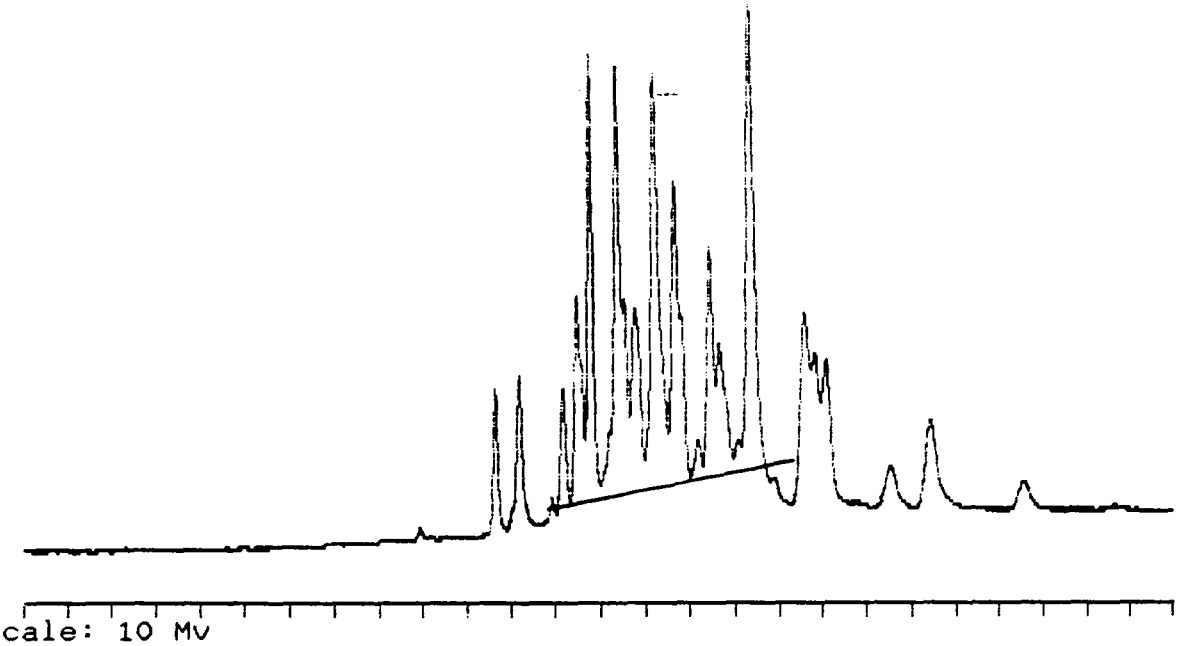
***** EXTERNAL STANDARD TABLE *****

********** 12-04-1991 10:37:29 Version 5.1 **********
* Sample Name: 1260-1.0 Data File: D:LF2 *
* Date: 12-04-1991 11:12:02 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 2 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	14.660		0.4927	5.9723%	4927	736	6.7	1			1.0000E-04
	15.210		0.5012	6.0758%	5012	700	7.2	1			1.0000E-04
3	16.183		0.4693	5.6884%	4693	632	7.4	1			1.0000E-04
4	16.487		0.3561	4.3169%	3561	633	5.6	1			1.0000E-04
5	16.790		1.5806	19.1606%	15806	2196	7.2	1			1.0000E-04
6	17.390		1.0345	12.5408%	10345	1493	6.9	1			1.0000E-04
7	17.823		0.0925	1.1213%	925	27	34.2	1			1.0000E-04

2.5/51.5 = .044



.0 Min Scale: 10 Mv
1260-2.5 Processed: 12-04-1991 11:12:03, segment 3, cycle 3
RAW DATA SAVED IN FILE D:LF3.PTS

***** EXTERNAL STANDARD TABLE *****
********** 12-04-1991 11:13:21 Version 5.1 **********
* Sample Name: 1260-2.5 Data File: D:LF3 *
* Date: 12-04-1991 12:23:33 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 3 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	14.660		0.9946	4.4883%	9946	1447	6.9	1			1.0000E-04
	15.207		1.0746	4.8496%	10746	1450	7.4	1			1.0000E-04
3	15.947		0.0179	0.0807%	179	40	4.5	1			1.0000E-04
4	16.180		1.0299	4.6475%	10299	1313	7.8	1			1.0000E-04
5	16.480		0.7218	3.2574%	7218	1319	5.5	1			1.0000E-04
6	16.787		3.1075	14.0232%	31075	4396	7.1	1			1.0000E-04
7	17.213		0.0994	0.4486%	994	288	3.5	2			1.0000E-04

SECTION III

DAILY CALIBRATION CHECKS, CHROMATOGRAMS AND RAW DATA

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE

NO.	SAMPLES	MTD FILE	DATA FILE	DATE TIME
CAL CHK #1				
1*	1260	PCB	LF24	12/4/91 23:49
2*	1232	PCB	LF25	12/5/91 00:25
3*	1248	PCB	LF26	12/5/91 01:01
4*	1242	PCB	LF27	12/5/91 01:36
5*	1016	PCB	LF28	12/5/91 2:12
6*	1254	PCB	LF29	12/5/91 2:47
7*	1221	PCB	LF30	12/5/91 7:59
8A	PE 783-608	PCB	LF38	12/5/91 12:47
8B	PETT0172	PCB	LF39	12/5/91 13:23

* = Samples used for Quantitative Analysis.

H182:1

PESTICIDE AND PCB DAILY STANDARD CHECK

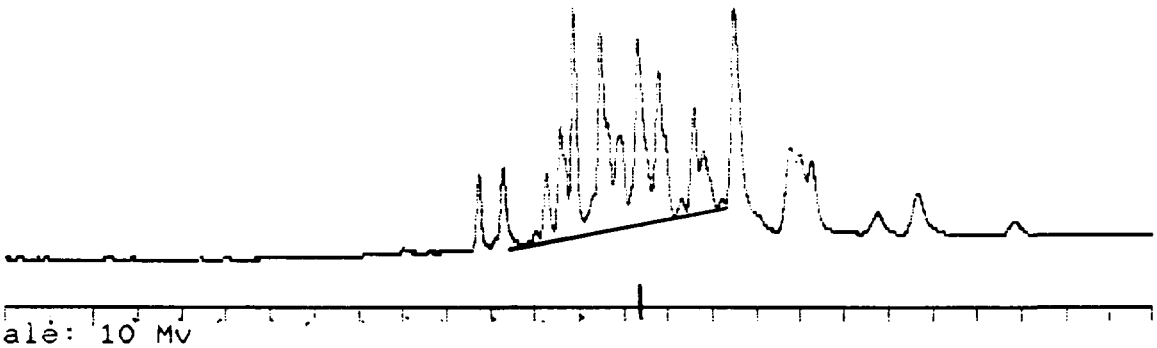
Calibration Dates: 12/04/91 Check Standard Date: 12/5/91

Instrument I.D.: GC B Analyst: DE A.M. #1

Compound	Calibration Avg. rf	Check Standard rf	% Difference
alpha-BHC			
gamma-BHC			
beta-BHC			
delta-BHC			
Heptachlor			
Aldrin			
Heptachlor epoxide			
Endosulfan I			
4-4'-DDE			
Dieldrin			
Endrin			
4-4'-DDD			
Endosulfan II			
4-4'-DDT			
Endrin Aldehyde			
Endosulfan Sulfate			
Methoxychlor			
DBC			
Toxaphene			
Chlordane			
Aroclor-1016 RT 10.88	.062	.067	8.1
Aroclor-1221 RT 7.14	.176	.167	5.1
Aroclor-1232 RT 9.78	.133	.133	0
Aroclor-1242 RT 10.82	.075	.08	6.7
Aroclor-1248 RT 12.05	.066	.067	1.5
Aroclor-1254 RT 15.04	.037	.04	8.1
Aroclor-1260 RT 18.23	.041	.04	2.3

% Difference must be <15 for EPA Methods 608 and SW-846 8080

1/25



0 Min Scale: 10 MV

check1260- Processed: 12-04-1991 23:49:49, segment 9, cycle 24

RAW DATA SAVED IN FILE D:LF24.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-04-1991 23:51:04 Version 5.1 **********

Sample Name: check1260-1 Data File: D:LF24

Date: 12-05-1991 04:35:03 Method: PCB 12-04-1991 09:01:32 # 23

Interface: 16 Cycle#: 24 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00

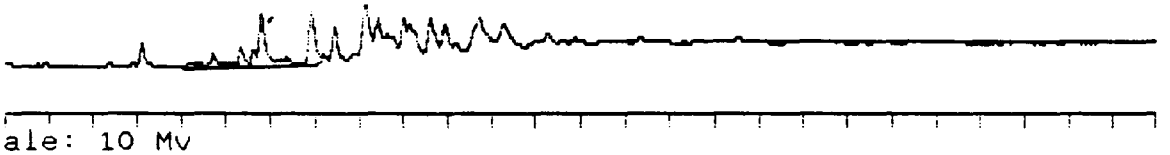
Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	14.730		0.4923	6.6353%	4923	742	6.6	1			1.0000E-04
	15.280		0.4893	6.5955%	4893	685	7.1	1			1.0000E-04
3	16.250		0.4401	5.9321%	4401	608	7.2	1			1.0000E-04
4	16.557		0.3553	4.7898%	3553	641	5.5	1			1.0000E-04
5	16.863		1.5567	20.9835%	15567	2168	7.2	1			1.0000E-04
6	17.470		1.0081	13.5887%	10081	1459	6.9	1			1.0000E-04
7	17.913		0.1323	1.7840%	1324	89	14.8	1			1.0000E-04
8	18.323		1.3160	17.7385%	13160	1435	9.2	1			1.0000E-04

1/7.5 = .133



Min Scale: 10 Mv
check1232- Processed: 12-05-1991 00:25:27, segment 10, cycle 25
RAW DATA SAVED IN FILE D:LF25.PTS

EXTERNAL STANDARD TABLE

12-05-1991 00:26:41 Version 5.1

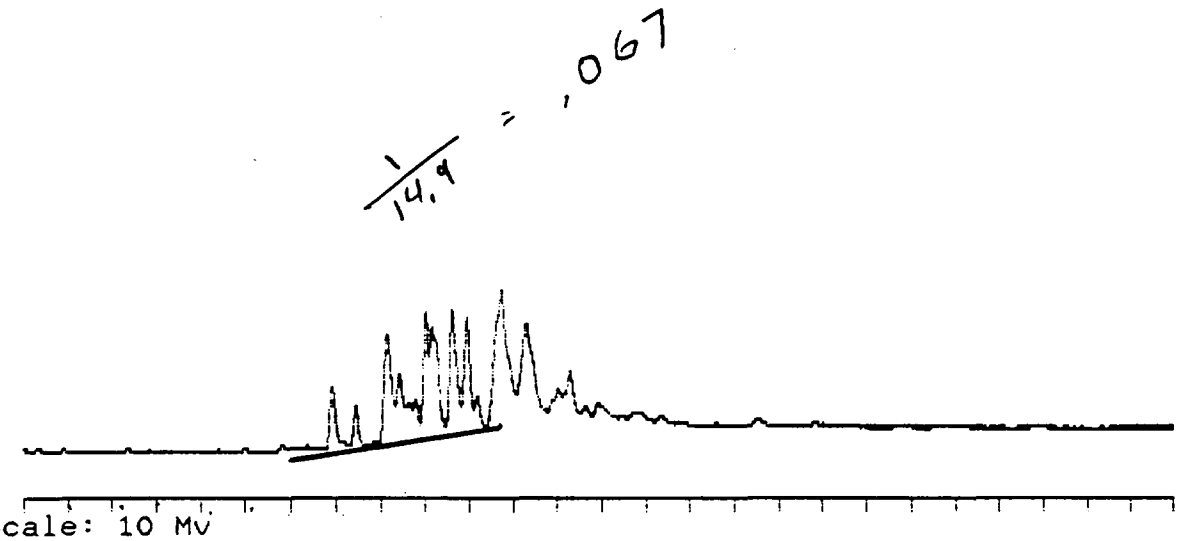
Sample Name: check1232-1 Data File: D:LF25
Date: 12-05-1991 05:46:22 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 25 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	7.117		0.0218	3.9541%	218	70	3.1	1			1.0000E-04
	7.810		0.2606	47.1847%	2606	416	6.3	1			1.0000E-04
3	10.927		0.0546	9.8852%	546	100	5.4	1			1.0000E-04
4	11.457		0.0361	6.5286%	361	88	4.1	1			1.0000E-04
5	12.157		0.0645	11.6776%	645	93	7.0	1			1.0000E-04
6	12.440		0.0207	3.7477%	207	53	3.9	1			1.0000E-04
7	13.020		0.0354	6.4019%	354	79	4.5	1			1.0000E-04

4



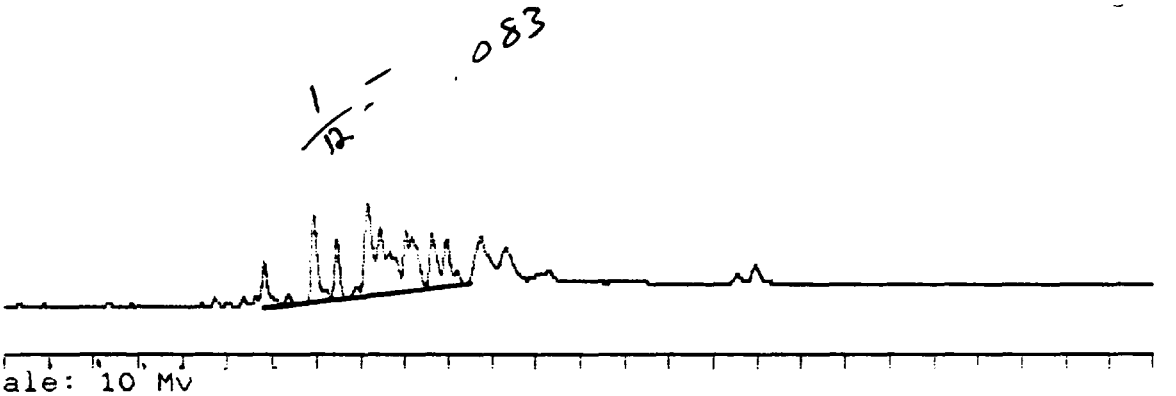
30 Min Scale: 10 MV
check1248- Processed: 12-05-1991 01:01:01, segment 11, cycle 26
RAW DATA SAVED IN FILE D:LF26.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-05-1991 01:02:15 Version 5.1 **********
* Sample Name: check1248-1 Data File: D:LF26 *
* Date: 12-05-1991 06:57:30 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 26 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	10.923		0.0622	1.2133%	622	135	4.6	1			1.0000E-04
	11.457		0.1943	3.7918%	1943	334	5.8	1			1.0000E-04
3	12.163		0.9101	17.7585%	9101	965	9.4	1			1.0000E-04
4	12.440		0.0302	0.5889%	302	77	3.9	1			1.0000E-04
5	13.020		0.5032	9.8198%	5032	871	5.8	2			1.0000E-04
6	13.163		0.1366	2.6659%	1366	262	5.2	2			1.0000E-04
7	13.620		1.1452	22.3470%	11452	1204	9.5	2			1.0000E-04



0 Min Scale: 10 Mv
check1242- Processed: 12-05-1991 01:36:40, segment 12, cycle 27
RAW DATA SAVED IN FILE D:LF27.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-05-1991 01:37:54 Version 5.1 **********

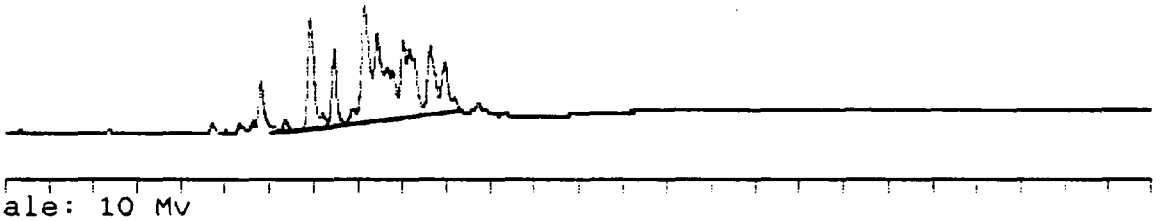
* Sample Name: check1242-1 Data File: D:LF27 *
* Date: 12-05-1991 08:08:47 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 27 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.823		0.0365	3.9802%	365	78	4.7	1			1.0000E-04
	0.940		0.0888	9.6769%	888	153	5.8	1			1.0000E-04
3	11.470		0.3668	39.9716%	3668	575	6.4	1			1.0000E-04
4	12.170		0.1065	11.6103%	1065	138	7.7	1			1.0000E-04
5	12.450		0.0357	3.8908%	357	88	4.0	1			1.0000E-04
6	13.030		0.1775	19.3476%	1775	336	5.3	2			1.0000E-04
7	13.170		0.0182	1.9821%	182	52	3.5	2			1.0000E-04
8	13.630		0.0504	5.4929%	504	108	4.7	1			1.0000E-04

1
14.9



30 Min Scale: 10 Mv
...eck1016- Processed: 12-05-1991 02:12:14, segment 1, cycle 28
RAW DATA SAVED IN FILE D:LF28.PTS

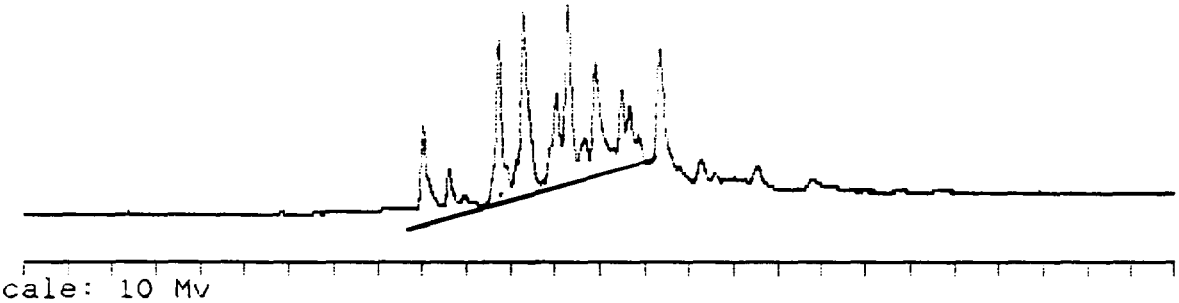
***** EXTERNAL STANDARD TABLE *****

********** 12-05-1991 02:13:28 Version 5.1 **********
* Sample Name: check1016-1 Data File: D:LF28 *
* Date: 12-05-1991 09:19:57 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 28 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.803		0.0391	1.2521%	391	89	4.4	1			1.0000E-04
	10.920		0.9430	30.1823%	9430	1099	8.6	1			1.0000E-04
3	11.450		0.4824	15.4406%	4824	739	6.5	1			1.0000E-04
4	12.153		0.9861	31.5605%	9861	1014	9.7	2			1.0000E-04
5	12.433		0.3240	10.3697%	3240	491	6.6	2			1.0000E-04
6	13.013		0.2241	7.1739%	2241	418	5.4	2			1.0000E-04
7	13.153		0.0225	0.7209%	225	63	3.6	2			1.0000E-04
8	13.613		0.0618	1.9767%	618	132	4.7	1			1.0000E-04

$\frac{4}{25} = .04$



0 Min Scale: 10 Mv
check1254- Processed: 12-05-1991 02:47:48, segment 2, cycle 29
RAW DATA SAVED IN FILE D:LF29.PTS

EXTERNAL STANDARD TABLE

12-05-1991 02:49:06 Version 5.1

Sample Name: check1254-1 Data File: D:LF29
Date: 12-05-1991 10:31:05 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 29 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

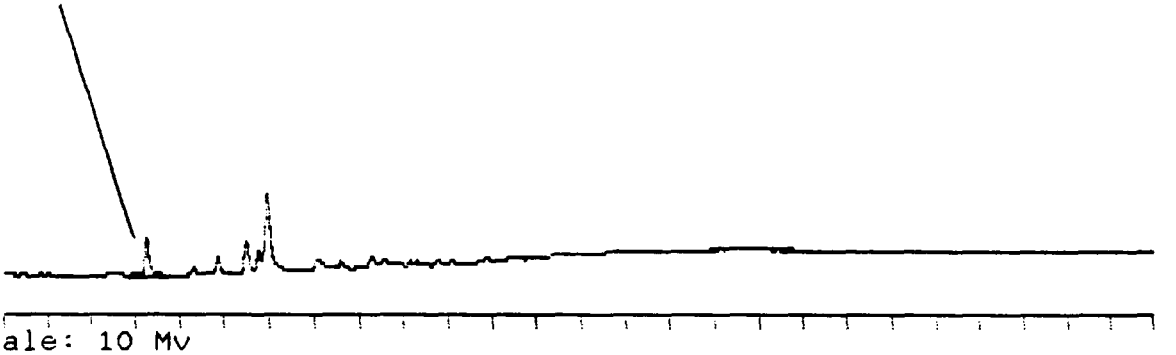
Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	13.030		0.4219	5.9523%	4219	692	6.1	1			1.0000E-04
	13.623		0.0377	0.5313%	377	89	4.2	1			1.0000E-04
3	14.750		1.1104	15.6646%	11104	1470	7.6	1			1.0000E-04
4	15.147		0.0282	0.3984%	282	65	4.3	1			1.0000E-04
5	15.313		0.9592	13.5327%	9592	1369	7.0	1			1.0000E-04
	16.040		0.8463	11.9388%	8463	856	9.9	2			1.0000E-04
	16.297		1.4833	20.9255%	14833	1736	8.5	2			1.0000E-04
	16.663		0.0299	0.5626%	299	41	8.8	1			1.0000E-04

RT 7.23

$RF = \frac{1.0}{6} = .1667$



-30 Min Scale: 10 Mv
k1221- Processed: 12-05-1991 07:59:46, segment 3, cycle 30
DATA SAVED IN FILE D:LF30.PTS

EXTERNAL STANDARD TABLE

12-05-1991 08:01:00 Version 5.1

Sample Name: check1221-1 Data File: D:LF30
Date: 12-05-1991 20:55:03 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 30 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.247		0.1806	25.8001%	1806	343	5.3	1			1.0000E-04
3	9.487		0.0373	5.3235%	373	90	4.1	1			1.0000E-04
	1.770		0.0208	2.9661%	208	55	3.8	1			1.0000E-04
4	9.947		0.4613	65.9104%	4613	703	6.6	1			1.0000E-04

TOTAL AMOUNT = 0.6999

7.9 x .037 = 2.9

4-30 Min Scale: 10 MV
PE783-608 Processed: 12-05-1991 12:46:24, segment 11, cycle 38
DATA SAVED IN FILE D:LF38.PTS

EXTERNAL STANDARD TABLE

12-05-1991 12:47:41 Version 5.1

Sample Name: PE783-608 Data File: D:LF38

Date: 12-06-1991 06:28:22 Method: PCB 12-04-1991 09:01:32 # 23

Interface: 16 Cycle#: 38 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

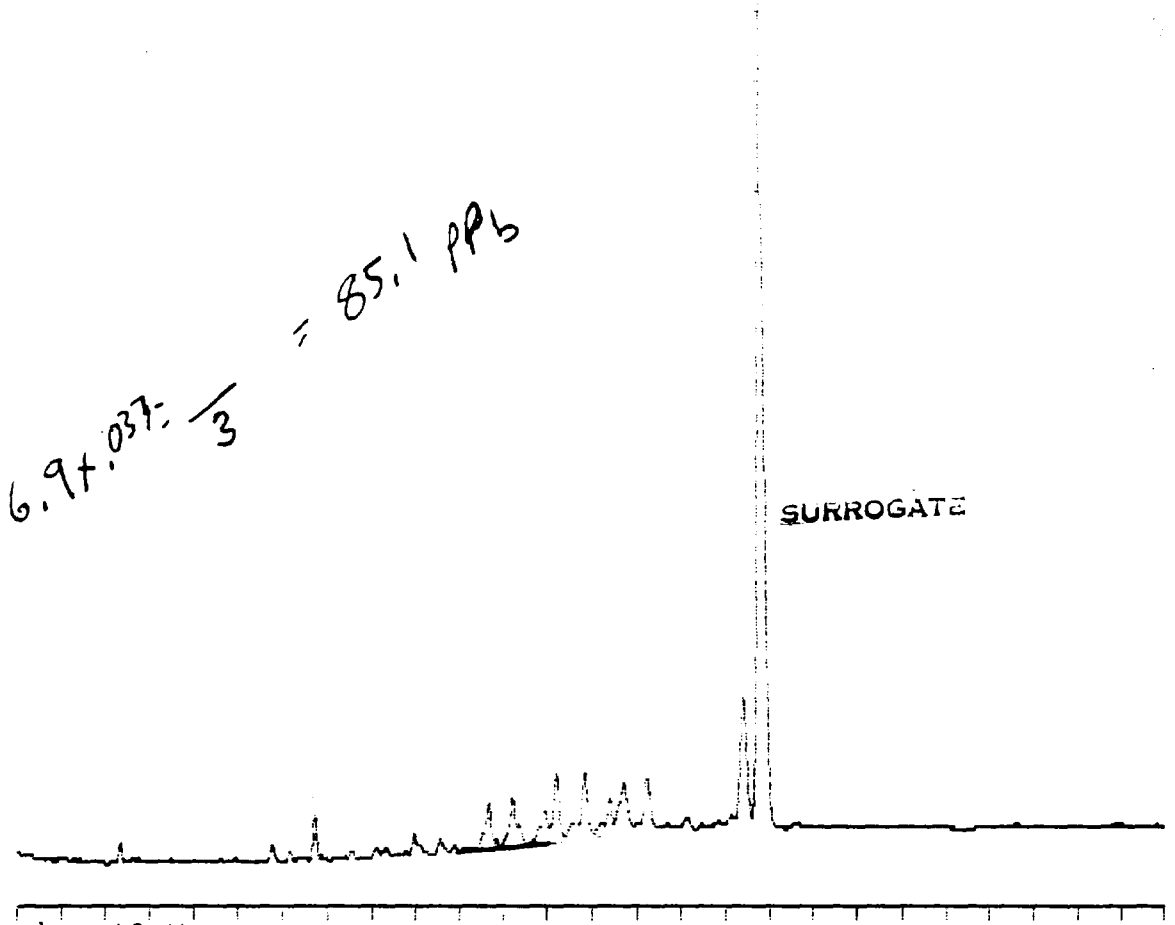
Starting Delay: 4.00 Ending retention time: 30.00

Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.753		0.1235	6.4288%	1235	297	4.2	1			1.0000E-04
2	6.360		0.2139	11.1353%	2139	434	4.9	1			1.0000E-04
	12.377		0.0193	1.0059%	193	52	3.7	1			1.0000E-04
	2.667		0.0283	1.4744%	283	74	3.8	1			1.0000E-04
5	12.993		0.0321	1.6712%	321	67	4.8	1			1.0000E-04
6	13.243		0.0129	0.6716%	129	42	3.1	1			1.0000E-04
7	14.700		0.2021	10.5246%	2021	369	5.5	1			1.0000E-04
8	15.250		0.2667	13.8853%	2667	447	6.0	1			1.0000E-04
9	15.963		0.0482	2.5115%	482	67	7.2	1			1.0000E-04



6.9 ± .037 / 3 = 85.1 ppb

4-30 Min Scale: 10 Mv
PETT0172 Processed: 12-05-1991 13:23:04, segment 12, cycle 39
DATA SAVED IN FILE D:LF39.PTS

EXTERNAL STANDARD TABLE

12-05-1991 13:24:28 Version 5.1

Sample Name: PETT0172 Data File: D:LF39

Date: 12-06-1991 07:41:32 Method: PCB 12-04-1991 09:01:32 # 23

Interface: 16 Cycle#: 39 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.340		0.0145	0.5023%	145	53	2.7	1			1.0000E-04
2	10.720		0.2521	8.7511%	2521	481	5.2	1			1.0000E-04
3	12.970		0.0206	0.7140%	206	49	4.2	1			1.0000E-04
	14.680		0.0265	0.9195%	265	76	3.5	1			1.0000E-04
5	15.220		0.0373	1.2951%	373	95	3.9	1			1.0000E-04
6	15.953		0.0159	0.5519%	159	50	3.2	1			1.0000E-04
7	16.213		0.3699	12.8409%	3699	607	6.1	1			1.0000E-04
8	16.837		0.4212	14.6203%	4212	576	7.3	1			1.0000E-04
9	17.393		0.0286	0.9942%	286	70	4.1	1			1.0000E-04

1

BENNINGTON LANDFILL - LFI
RUN SEQUENCE FOR BENNINGTON - LFI

NO.	SAMPLES	MTD FILE	DATA FILE	DATE TIME
CAL CHK #2				
9*	1254	PCB	LG12	12/5/91 19:21
10*	1242	PCB	LG14	12/5/91 20:35
11*	1232	PCB	LG15	12/5/91 21:12
12*	1016	PCB	LG16	12/5/91 21:49
13*	1221, 1260	PCB	LG12	12/6/91 11:48
14*	1248	PCB	LG14	12/6/91 13:02

* = Samples used for Quantitative Analysis.

H182:2

PESTICIDE AND PCB DAILY STANDARD CHECK

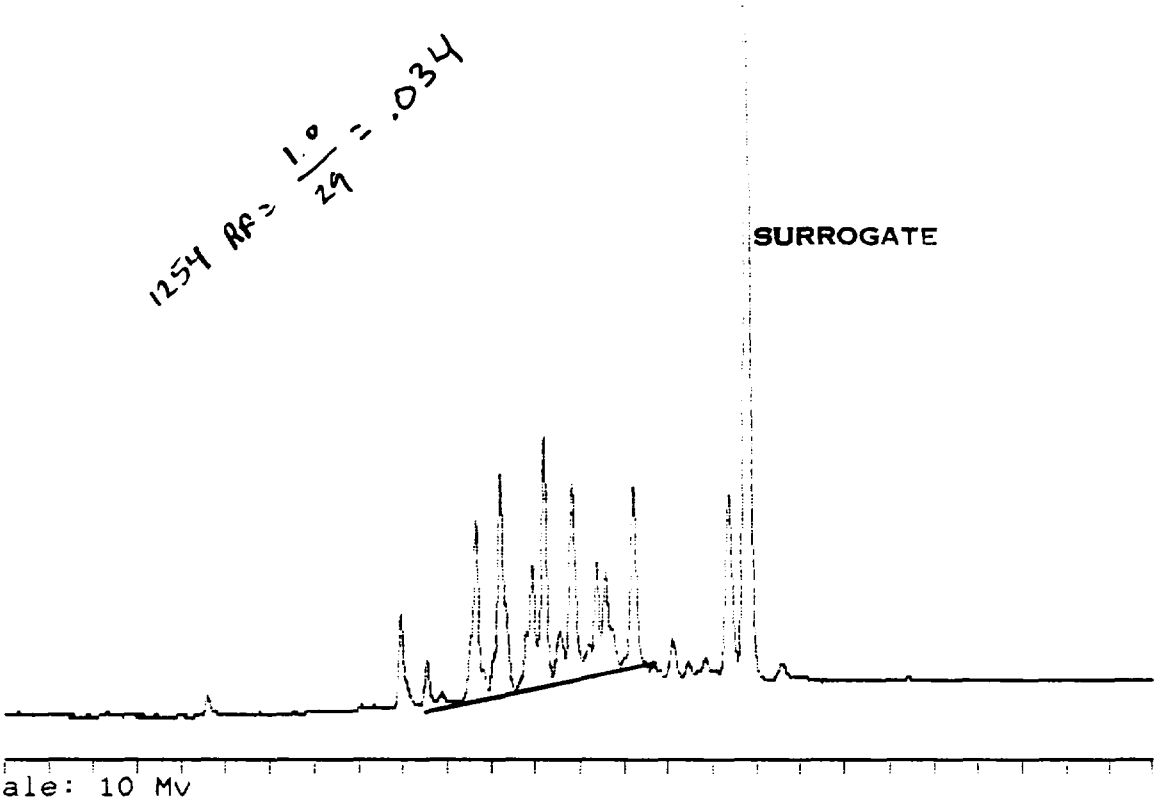
Calibration Dates: 12/04/91 Check Standard Date: 12/5/91

Instrument I.D.: GC B Analyst: ML p.m.

#2

Compound	Calibration Avg. rf	Check Standard rf	% Difference
alpha-BHC			
gamma-BHC			
beta-BHC			
delta-BHC			
Heptachlor			
Aldrin			
Heptachlor epoxide			
Endosulfan I			
4-4'-DDE			
Dieldrin			
Endrin			
4-4'-DDD			
Endosulfan II			
4-4'-DDT			
Endrin Aldehyde			
Endosulfan Sulfate			
Methoxychlor			
DBC			
Toxaphene			
Chlordane			
Aroclor-1016 RT 10.88	.062	.063	1.6
Aroclor-1221 RT 7.14	.176	.167	5.1
Aroclor-1232 RT 9.78	.133	.125	6.0
Aroclor-1242 RT 10.82	.075	.071	5.3
Aroclor-1248 RT 12.05	.066	.059	10.6
Aroclor-1254 RT 15.04	.037	.034	8.1
Aroclor-1260 RT 18.23	.041	.038	7.3

% Difference must be <15 for EPA Methods 608 and SW-846 8080



4-30 Min Scale: 10 Mv
"1254 Processed: 12-05-1991 19:21:23, segment 2, cycle 2
or, duplicate file name = D:LF12.PTS
RAW DATA SAVED IN FILE D:LG12.PTS

EXTERNAL STANDARD TABLE

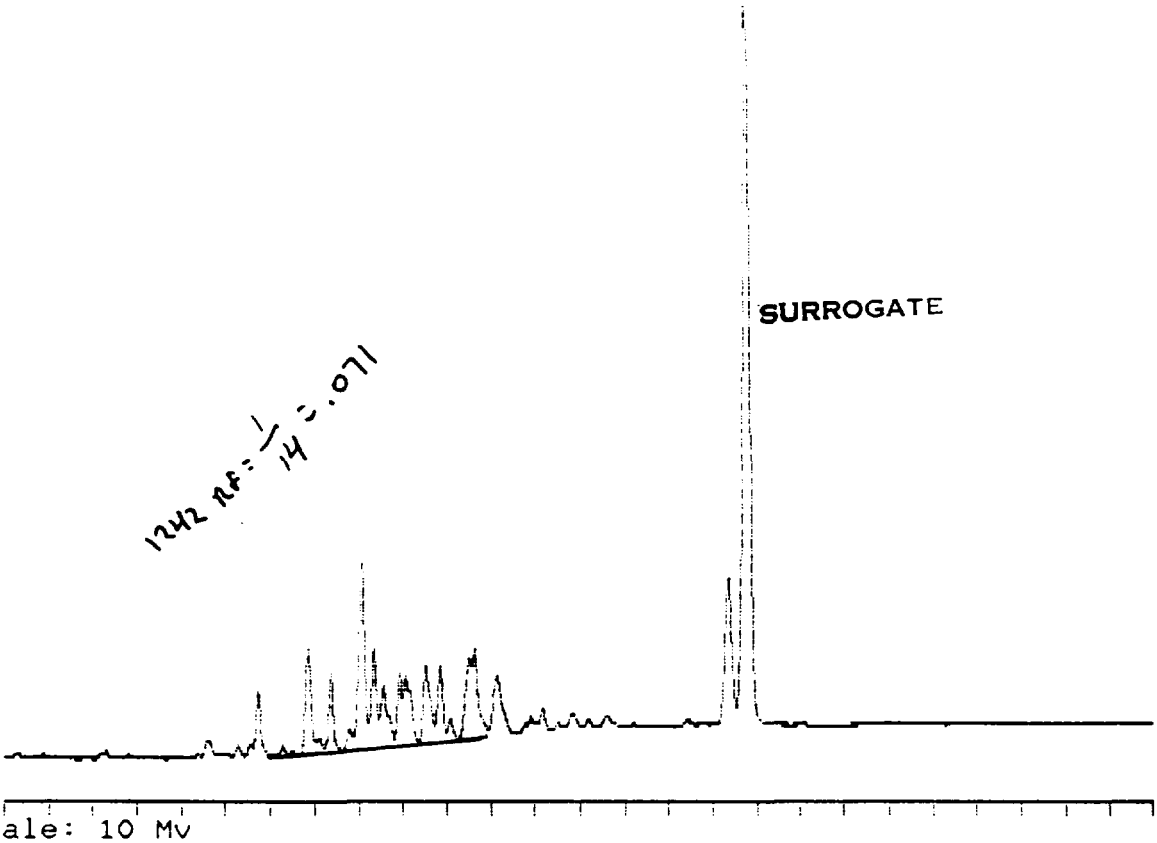
12-05-1991 19:22:46 Version 5.1

Sample Name: CHK1254 Data File: D:LG12
Date: 12-05-1991 19:58:48 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 2 Operator Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.590		0.0191	0.1471%	191	61	3.1	1			1.0000E-04
	12.947		0.5008	3.8477%	5008	843	5.9	1			1.0000E-04
	13.533		0.2368	1.8192%	2368	406	5.8	1			1.0000E-04
4	14.660		1.4642	11.2506%	14642	1722	8.5	1			1.0000E-04
5	15.053		0.0577	0.4434%	577	132	4.4	2			1.0000E-04
6	15.210		1.1339	8.7121%	11339	1734	6.5	2			1.0000E-04
7	15.807		0.2338	1.7962%	2338	514	4.5	2			1.0000E-04
8	15.937		0.9046	6.9507%	9046	1213	7.5	2			1.0000E-04



4-30 Min Scale: 10 Mv
CHK1242 Processed: 12-05-1991 20:34:35, segment 4, cycle 4
or, duplicate file name = D:LF14.PTS
RAW DATA SAVED IN FILE D:LG14.PTS

EXTERNAL STANDARD TABLE

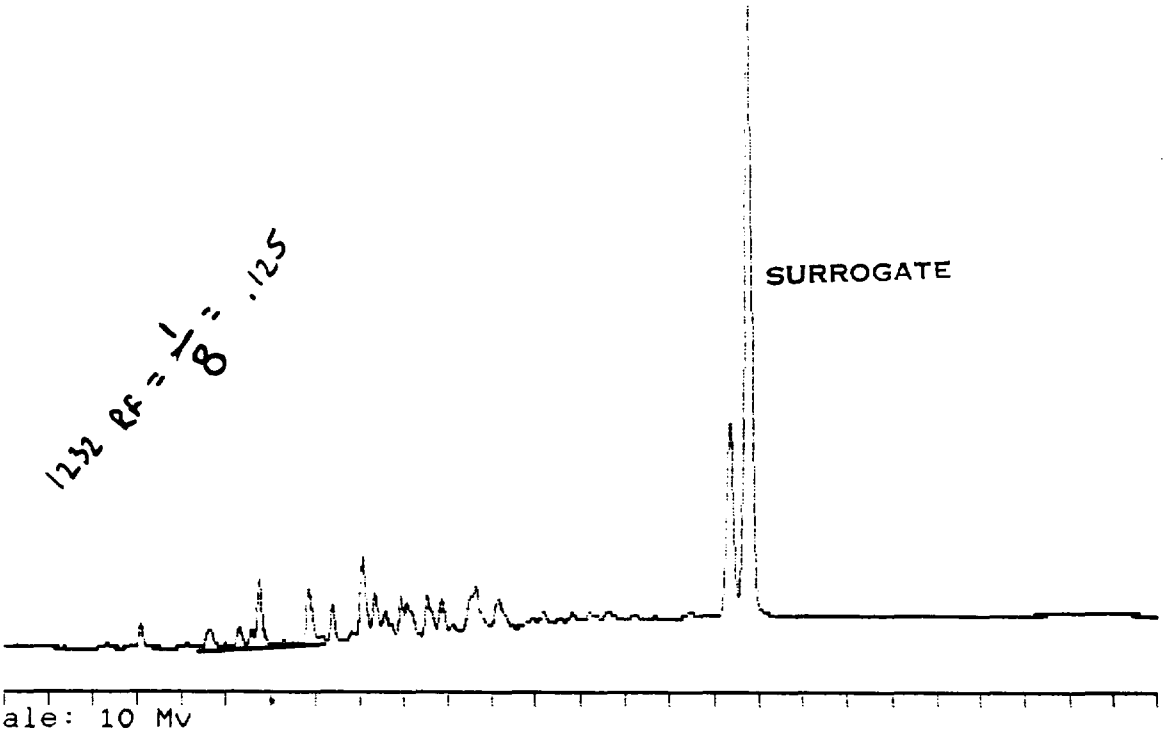
12-05-1991 20:35:56 Version 5.1

Sample Name: CHK1242 Data File: D:LG14
Date: 12-05-1991 22:25:13 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 4 Operator Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.720		0.3466	4.2365%	3466	583	5.9	1			1.0000E-04
	10.837		0.8979	10.9760%	8979	1089	8.2	1			1.0000E-04
	11.363		0.4953	6.0547%	4953	786	6.3	1			1.0000E-04
4	11.783		0.0134	0.1643%	134	37	3.7	1			1.0000E-04
5	12.053		1.5929	19.4715%	15929	1850	8.6	2			1.0000E-04
6	12.337		0.5380	6.5757%	5380	847	6.4	2			1.0000E-04
7	12.550		0.1897	2.3189%	1897	350	5.4	2			1.0000E-04
8	12.917		0.2957	3.6139%	2957	535	5.5	2			1.0000E-04



4-30 Min Scale: 10 Mv
CHK1232 Processed: 12-05-1991 21:11:18, segment 5, cycle 5
or, duplicate file name = D:LF15.PTS
RAW DATA SAVED IN FILE D:LG15.PTS

EXTERNAL STANDARD TABLE

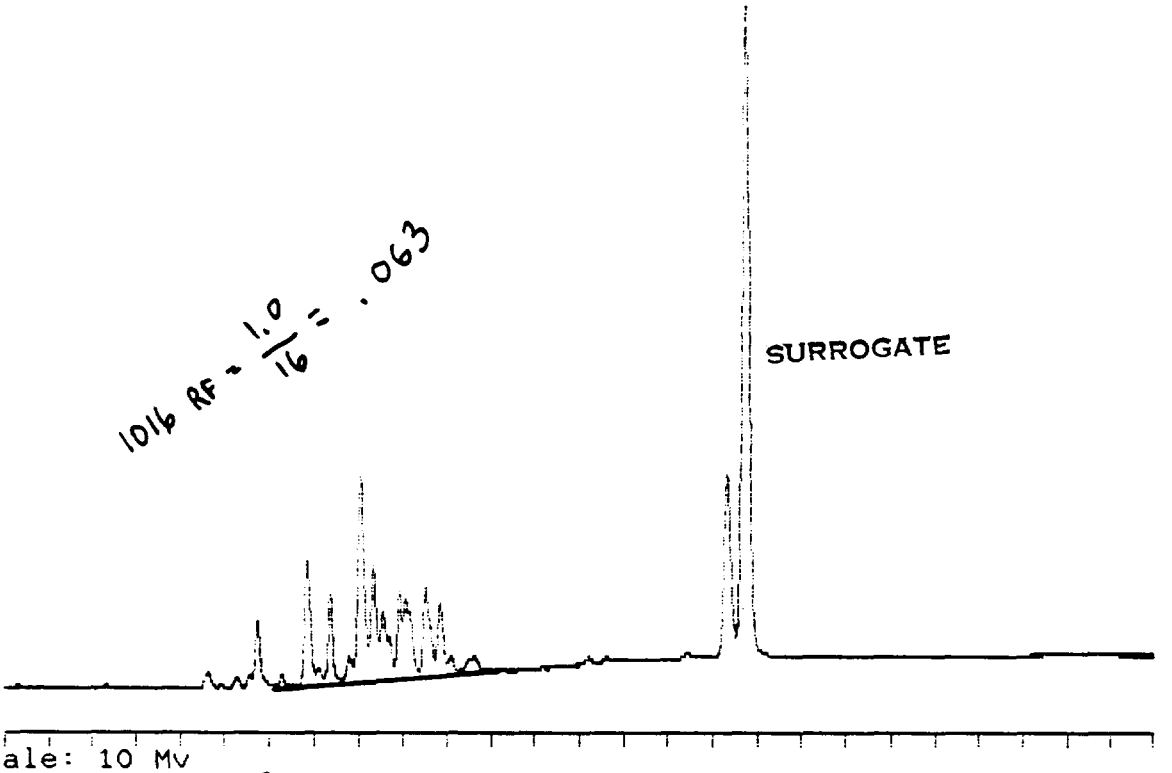
12-05-1991 21:12:38 Version 5.1

Sample Name: CHK1232 Data File: D:LG15
Date: 12-05-1991 23:38:40 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 5 Operator Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.063		0.0221	0.5766%	221	67	3.3	1			1.0000E-04
	9.280		0.0155	0.4047%	155	41	3.8	1			1.0000E-04
	9.733		0.3604	9.4044%	3604	585	6.2	1			1.0000E-04
4	10.847		0.0480	1.2529%	480	95	5.1	1			1.0000E-04
5	11.377		0.0353	0.9223%	354	79	4.5	1			1.0000E-04
6	12.067		0.6513	16.9944%	6513	764	8.5	2			1.0000E-04
7	12.350		0.1745	4.5519%	1745	317	5.5	2			1.0000E-04
8	12.930		0.0357	0.9309%	357	83	4.3	1			1.0000E-04



4-30 Min Scale: 10 Mv
1016 Processed: 12-05-1991 21:48:00, segment 6, cycle 6
or, duplicate file name = D:LF16.PTS
RAW DATA SAVED IN FILE D:LG16.PTS

***** EXTERNAL STANDARD TABLE *****

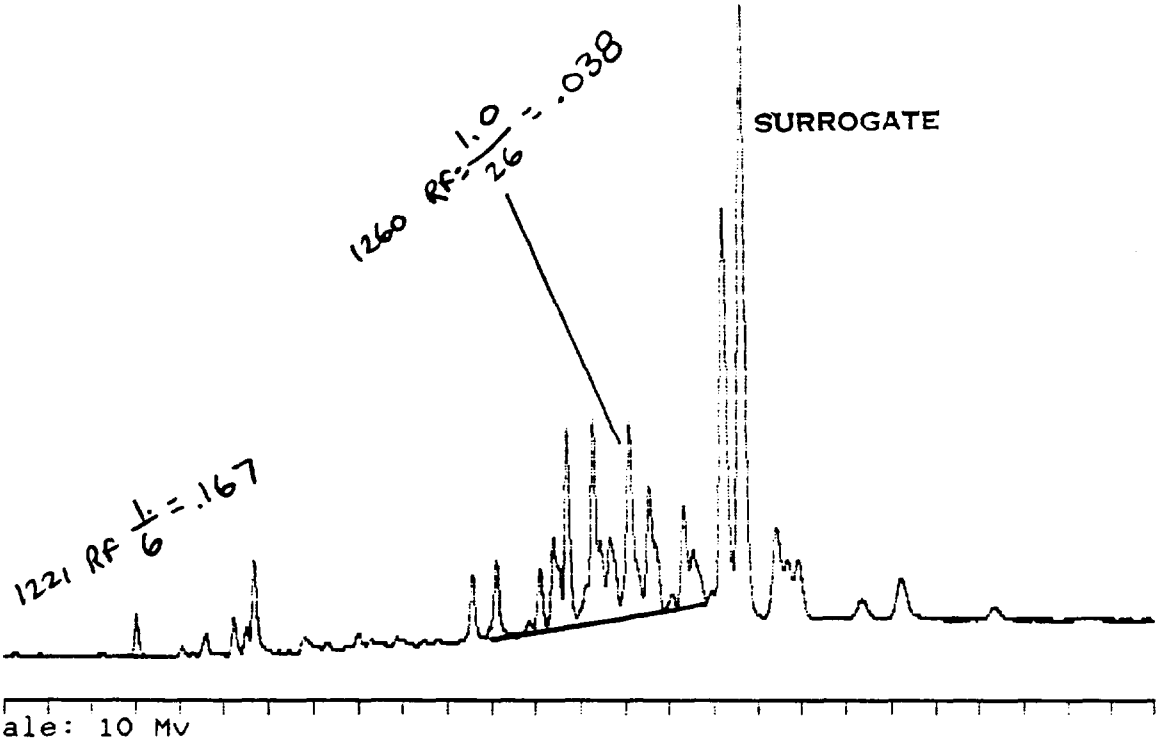
********** 12-05-1991 21:49:21 Version 5.1 **********

* Sample Name: CHK1016 Data File: D:LG16 *
* Date: 12-06-1991 00:52:04 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 6 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.723		0.3680	4.5688%	3680	598	6.2	1			1.0000E-04
	10.840		1.0698	13.2812%	10698	1275	8.4	1			1.0000E-04
	11.367		0.5831	7.2386%	5831	906	6.4	1			1.0000E-04
4	11.787		0.0195	0.2418%	195	45	4.3	1			1.0000E-04
5	12.057		1.7662	21.9264%	17662	1989	8.9	2			1.0000E-04
6	12.340		0.5960	7.3996%	5960	908	6.6	2			1.0000E-04
7	12.553		0.1744	2.1656%	1744	327	5.3	2			1.0000E-04
8	12.920		0.3254	4.0397%	3254	588	5.5	2			1.0000E-04



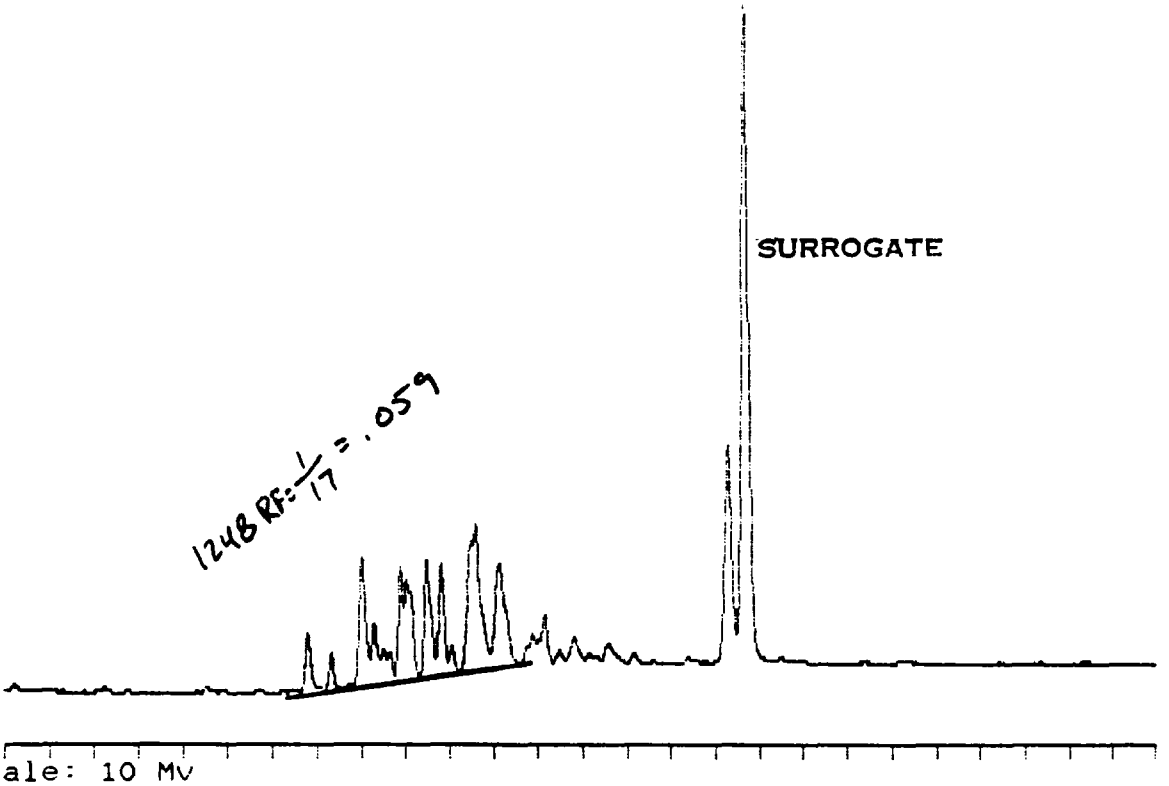
,0 Min Scale: 10 Mv
CK21,60 Processed: 12-06-1991 11:48:48, segment 2, cycle 2
Error, duplicate file name = D:LF12.PTS
Error, duplicate file name = D:LG12.PTS
RAW DATA SAVED IN FILE D:LH12.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-06-1991 11:50:25 Version 5.1 **********
* Sample Name: CK21,60 Data File: D:LH12 *
* Date: 12-06-1991 12:26:29 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 2 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.017		0.2144	1.7077%	2144	395	5.4	1			1.0000E-04
2	9.227		0.0391	0.3114%	391	92	4.3	1			1.0000E-04
3	9.503		0.0217	0.1727%	217	63	3.5	1			1.0000E-04
4	9.680		0.5534	4.4077%	5534	849	6.5	1			1.0000E-04
5	14.577		0.4131	3.2901%	4131	639	6.5	1			1.0000E-04



0 Min Scale: 10 Mv
CK48 Processed: 12-06-1991 13:02:30, segment 4, cycle 4
End of sequence file reached at cycle 4
Error, duplicate file name = D:LF14.PTS
Error, duplicate file name = D:LG14.PTS
RAW DATA SAVED IN FILE D:LH14.PTS

EXTERNAL STANDARD TABLE

12-06-1991 13:03:59 Version 5.1

* Sample Name: CK48 Data File: D:LH14
* Date: 12-06-1991 14:53:53 Method: PCB 12-04-1991 09:01:32 # 23
* Interface: 16 Cycle#: 4 Operator ML Channel#: 0 Vial#: N.A.
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
* Instrument Type: TRACOR 540 Column Type: SPB-5
* Solvent Description:
* Conditions: pro #2
* Detector 0: Detector 1: FID
* Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.793		0.0525	0.6168%	525	106	4.9	1			1.0000E-04
2	11.323		0.0366	0.4297%	366	89	4.1	1			1.0000E-04
3	12.020		1.2130	14.2503%	12130	1292	9.4	2			1.0000E-04
4	12.303		0.2592	3.0452%	2592	422	6.1	2			1.0000E-04

BENNINGTON LANDFILL - LFI
RUN SEQUENCE FOR BENNINGTON - LFI

NO.	SAMPLES	MTD FILE	DATA FILE	DATE TIME
CAL CHK #3				
15*	1254	PCB	LG32	12/7/91 11:32
16*	1242	PCB	LG34	12/7/91 12:47
17*	1016	PCB	LG36	12/7/91 14:01
18*	1232	PCB	LI33	12/7/91 17:16
19*	1221, 1260	PCB	LI31	12/7/91 17:59
20*	1248	PCB	L32	12/7/91 18:36

* = Samples used for Quantitative Analysis.

H182:3

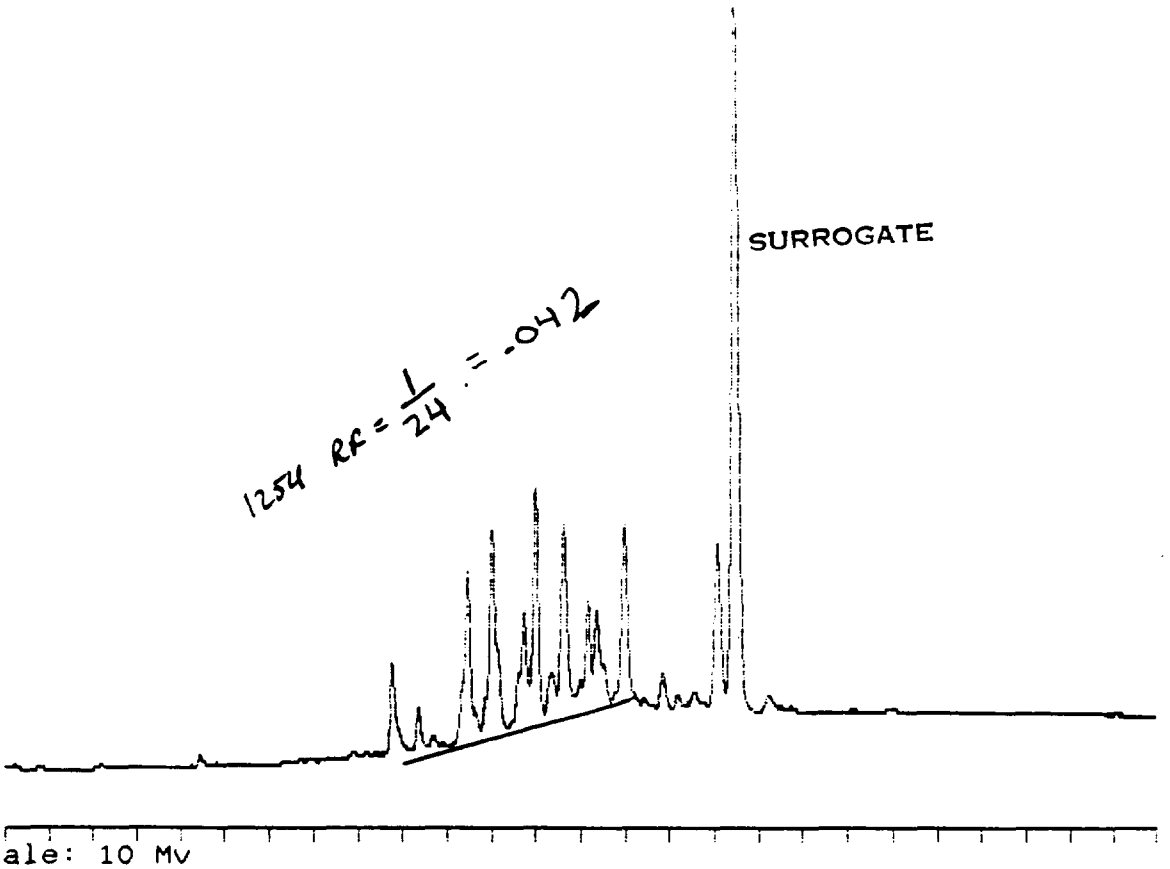
PESTICIDE AND PCB DAILY STANDARD CHECK

Calibration Dates: 12/4/91 Check Standard Date: 12/7/91

Instrument I.D.: GC B Analyst: ML #3

Compound	Calibration Avg. rf	Check Standard rf	% Difference
alpha-BHC			
gamma-BHC			
beta-BHC			
delta-BHC			
Heptachlor			
Aldrin			
Heptachlor epoxide			
Endosulfan I			
4-4'-DDE			
Dieldrin			
Endrin			
4-4'-DDD			
Endosulfan II			
4-4'-DDT			
Endrin Aldehyde			
Endosulfan Sulfate			
Methoxychlor			
DBC			
Toxaphene			
Chlordane			
Aroclor-1016 RT 10.8	.062	.059	4.8
Aroclor-1221 RT 7.14	.176	.182	3.4
Aroclor-1232 RT 9.78	.133	.125	6.0
Aroclor-1242 RT 10.82	.075	.067	10.6
Aroclor-1248 RT 12.05	.066	.061	7.5
Aroclor-1254 RT 15.04	.037	.042	13.5
Aroclor-1260 RT 18.23	.041	.036	12.2

% Difference must be <15 for EPA Methods 608 and SW-846 8080



30 Min Scale: 10 Mv
ck54 Processed: 12-07-1991 11:30:59, segment 2, cycle 2
Error, duplicate file name = D:LF32.PTS
RAW DATA SAVED IN FILE D:LG32.PTS

***** EXTERNAL STANDARD TABLE *****

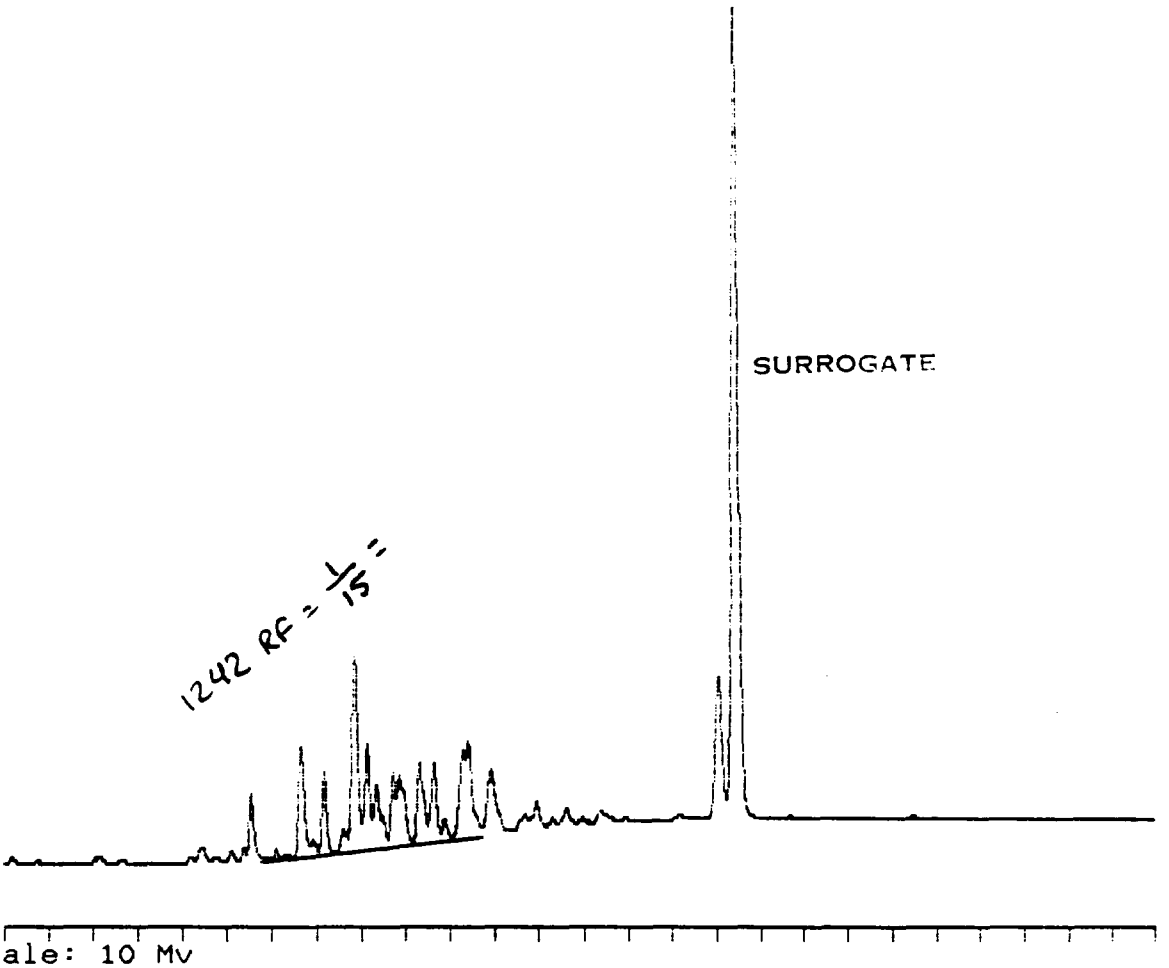
********** 12-07-1991 11:32:26 Version 5.1 **********

* Sample Name: ck54 Data File: D:LG32 *
* Date: 12-07-1991 12:09:40 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 2 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	12.790		0.4603	3.7579%	4604	781	5.9	1			1.0000E-04
2	13.373		0.2236	1.8251%	2236	383	5.8	1			1.0000E-04
3	14.493		1.3827	11.2871%	13827	1622	8.5	1			1.0000E-04
4	14.890		0.0533	0.4351%	533	119	4.5	2			1.0000E-04
5	15.043		1.0953	8.9411%	10953	1659	6.6	2			1.0000E-04
6	15.640		0.2121	1.7314%	2121	485	4.4	2			1.0000E-04



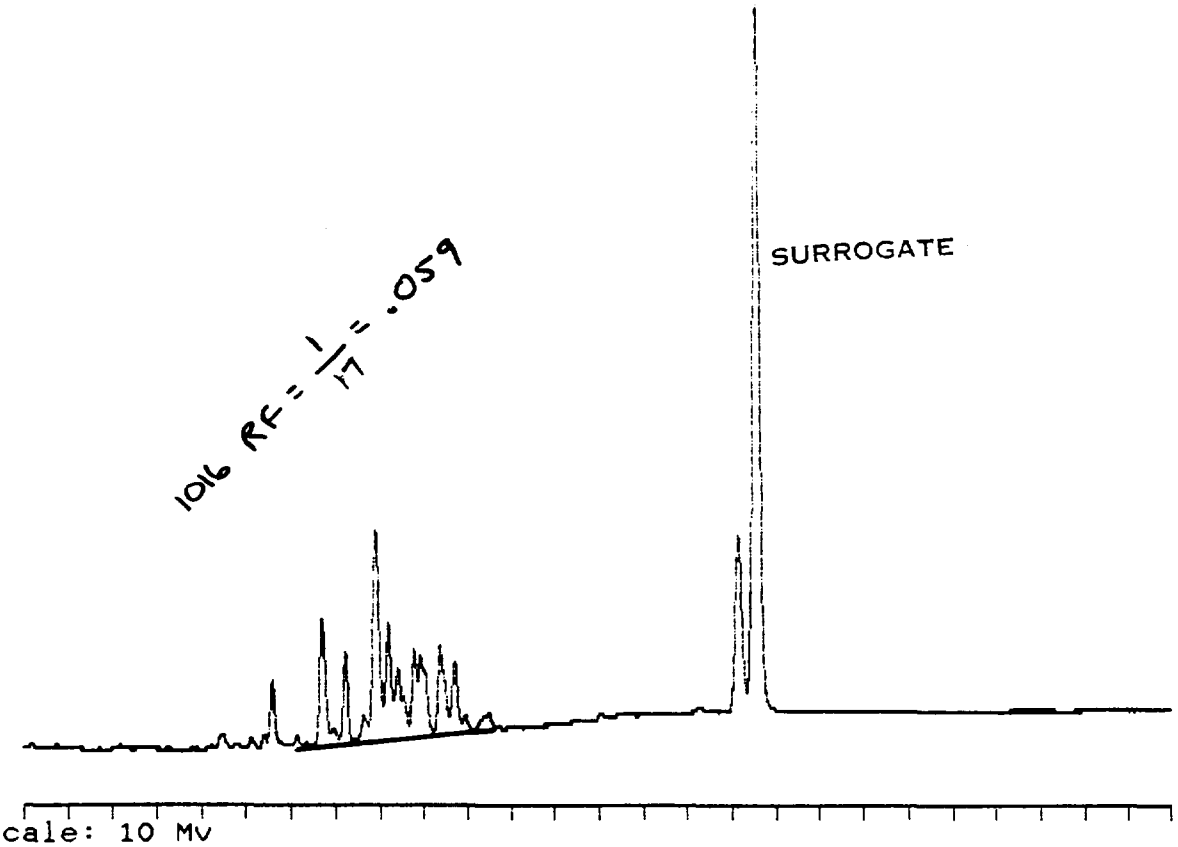
30 Min Scale: 10 Mv
ck42 Processed: 12-07-1991 12:45:38, segment 4, cycle 4
Error, duplicate file name = D:LF34.PTS
RAW DATA SAVED IN FILE D:LG34.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-07-1991 12:47:05 Version 5.1 **********
* Sample Name: ck42 Data File: D:LG34 *
* Date: 12-07-1991 14:38:58 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 4 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	9.553		0.3720	4.9365%	3720	610	6.1	1			1.0000E-04
2	10.663		0.9255	12.2820%	9255	1114	8.3	1			1.0000E-04
3	11.187		0.5038	6.6858%	5038	803	6.3	1			1.0000E-04
4	11.600		0.0163	0.2159%	163	50	3.2	1			1.0000E-04
5	11.870		1.6684	22.1403%	16684	1941	8.6	2			1.0000E-04
6	12.153		0.5531	7.3397%	5531	874	6.3	2			1.0000E-04



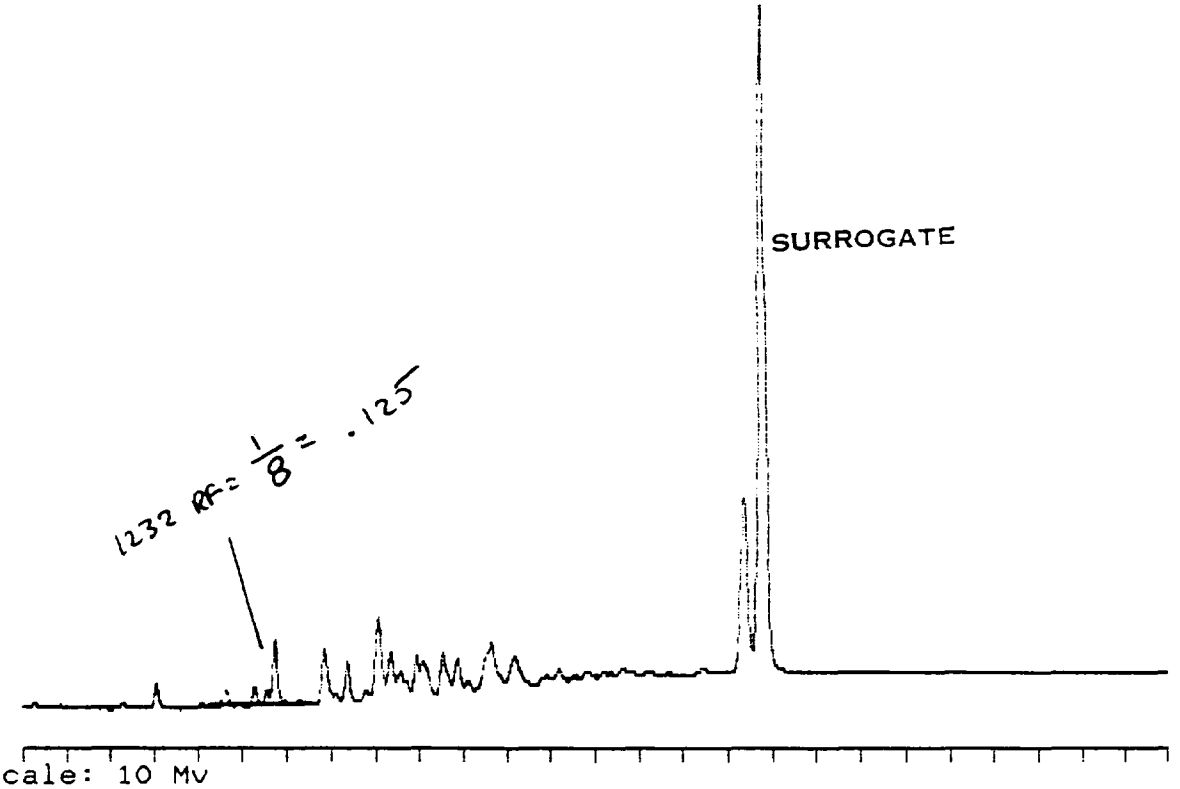
30 Min Scale: 10 Mv
ck16 Processed: 12-07-1991 13:59:54, segment 6, cycle 6
End of sequence file reached at cycle 6
Error, duplicate file name = D:LF36.PTS
RAW DATA SAVED IN FILE D:LG36.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-07-1991 14:01:21 Version 5.1 **********
* Sample Name: ck16 Data File: D:LG36 *
* Date: 12-07-1991 17:07:32 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 6 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.590		0.3708	4.6008%	3708	603	6.1	1			1.0000E-04
2	10.703		1.0678	13.2491%	10678	1277	8.4	1			1.0000E-04
3	11.230		0.5887	7.3048%	5887	914	6.4	1			1.0000E-04
4	11.653		0.0199	0.2467%	199	44	4.6	1			1.0000E-04
5	11.920		1.8122	22.4854%	18122	2045	8.9	2			1.0000E-04



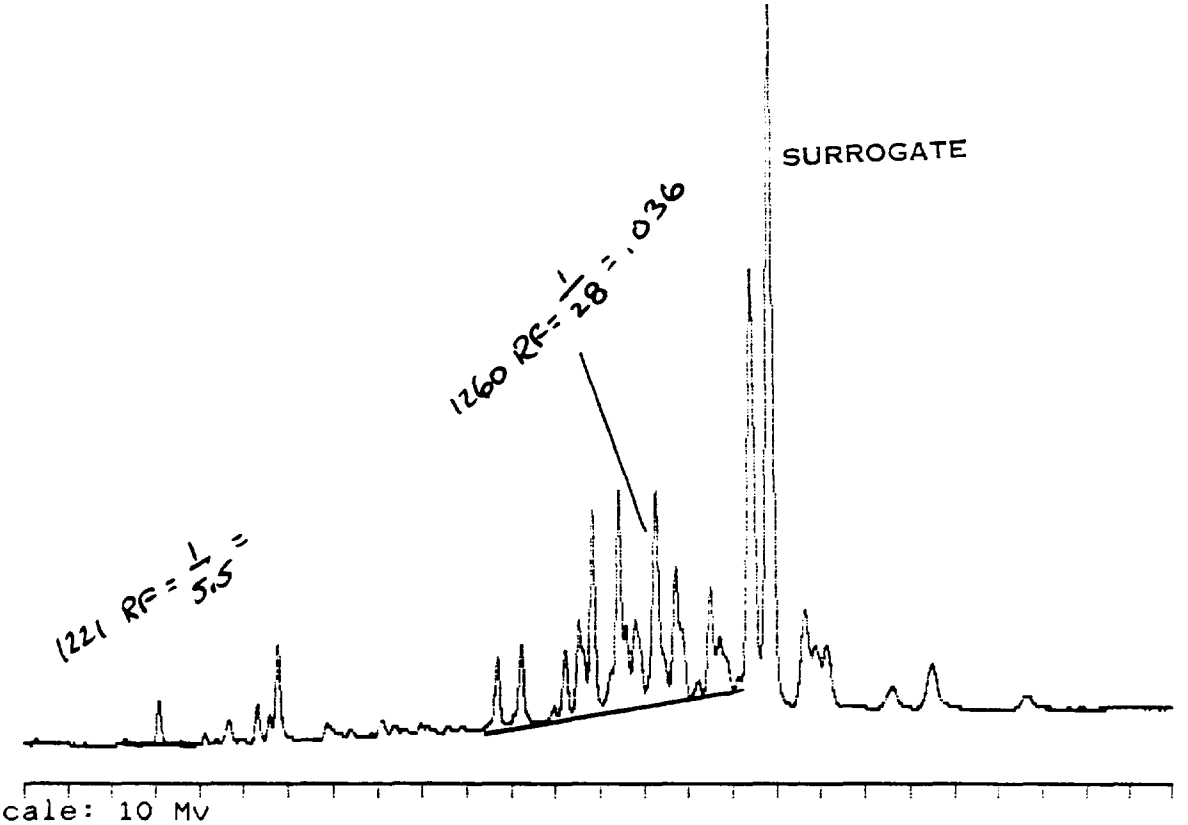
30 Min Scale: 10 Mv
32 Processed: 12-07-1991 17:14:21, segment 3, cycle 3
End of sequence file reached at cycle 3
Error, duplicate file name = D:LF33.PTS
Error, duplicate file name = D:LG33.PTS
Error, duplicate file name = D:LH33.PTS
RAW DATA SAVED IN FILE D:LI33.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-07-1991 17:16:02 Version 5.1 **********
* Sample Name: ck32 Data File: D:LI33 *
* Date: 12-07-1991 18:27:47 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 3 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.050		0.0224	0.7455%	224	72	3.1	1			1.0000E-04
2	9.273		0.0159	0.5294%	159	48	3.3	1			1.0000E-04
3	9.733		0.3572	11.9099%	3572	571	6.3	1			1.0000E-04
4	10.850		0.0542	1.8076%	542	99	5.5	1			1.0000E-04

SEQUENCE RECORDED IN D:LFI1.SEQ



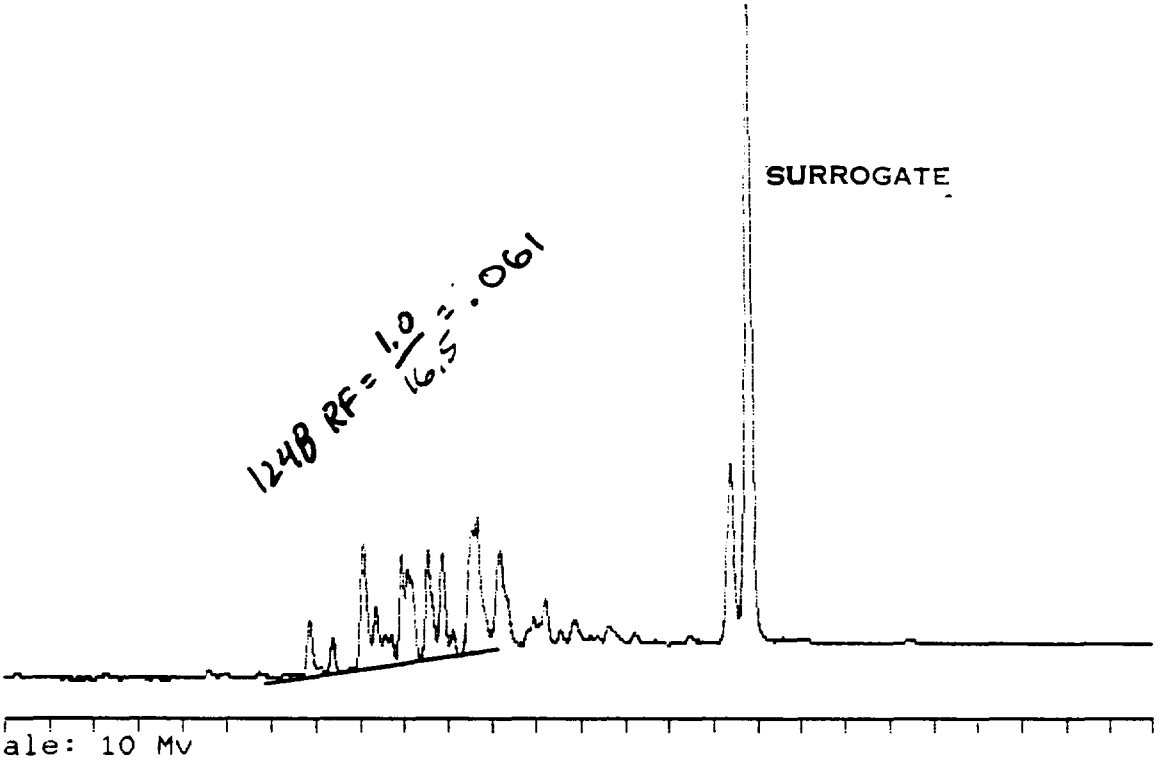
30 Min Scale: 10 Mv
ck21,60 Processed: 12-07-1991 17:57:56, segment 1, cycle 1
Error, duplicate file name = D:LF31.PTS
Error, duplicate file name = D:LG31.PTS
Error, duplicate file name = D:LH31.PTS
RAW DATA SAVED IN FILE D:LI31.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-07-1991 17:59:44 Version 5.1 **********
* Sample Name: ck21,60 Data File: D:LI31 *
* Date: 12-07-1991 17:58:51 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 1 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.083		0.2056	1.4199%	2056	392	5.2	1			1.0000E-04
2	9.313		0.0346	0.2391%	346	79	4.4	1			1.0000E-04
3	9.597		0.0260	0.1793%	260	63	4.2	1			1.0000E-04
4	9.770		0.5916	4.0858%	5916	911	6.5	1			1.0000E-04



30 Min Scale: 10 Mv
48 Processed: 12-07-1991 18:34:30, segment 2, cycle 2
End of sequence file reached at cycle 2
Error, duplicate file name = D:LF32.PTS
Error, duplicate file name = D:LG32.PTS
Error, duplicate file name = D:LH32.PTS
RAW DATA SAVED IN FILE D:LI32.PTS

EXTERNAL STANDARD TABLE

12-07-1991 18:36:15 Version 5.1

Sample Name: ck48 Data File: D:LI32
Date: 12-07-1991 19:12:01 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 2 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.857		0.0442	0.5927%	442	100	4.4	1			1.0000E-04
2	11.390		0.0339	0.4548%	339	76	4.5	1			1.0000E-04
3	12.087		1.0539	14.1388%	10539	1196	8.8	1			1.0000E-04
4	12.367		0.0330	0.4424%	330	86	3.9	1			1.0000E-04

BENNINGTON LANDFILL - LFI
RUN SEQUENCE FOR BENNINGTON - LFI

NO.	SAMPLES	MTD FILE	DATA FILE	DATE TIME
CAL CHK #4				
21*	1254	PCB	LGB2	12/8/91 12:45
22*	1242	PCB	LGD4	12/8/91 13:58
23*	1232	PCB	LGE5	12/8/91 14:35
24*	1016	PCB	LFE6	12/8/91 15:11
25*	1221, 1260	PCB	LFE7	12/8/91 15:50
26*	1248	PCB	LFE8	12/8/91 16:26

* = Samples used for Quantitative Analysis.

H182:4

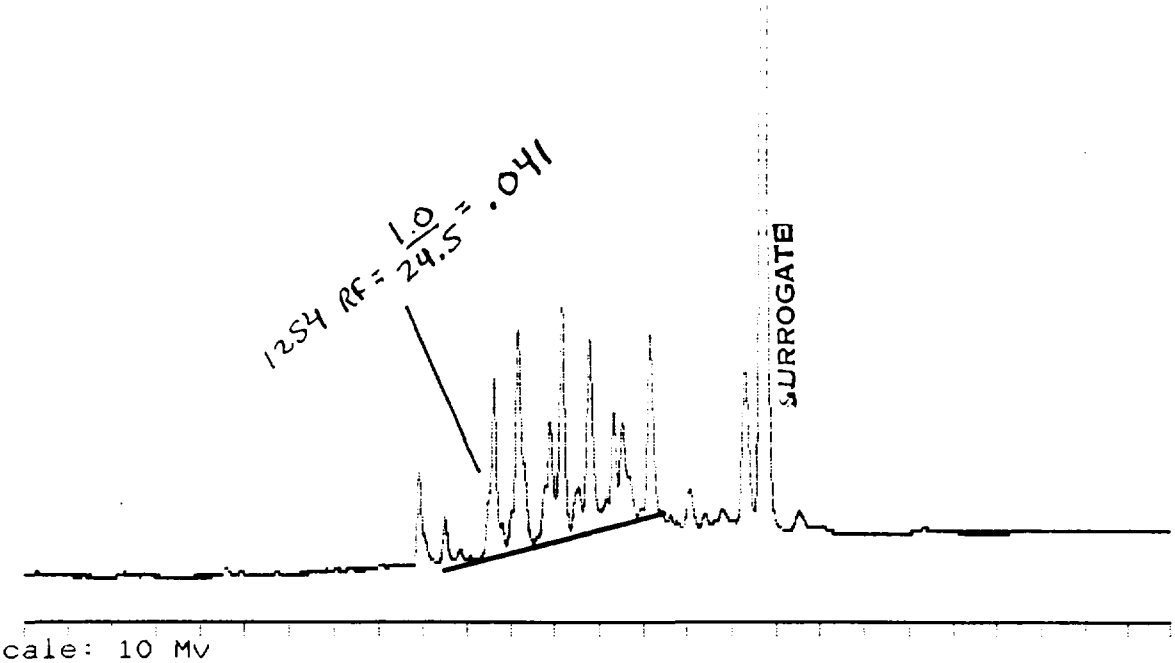
PESTICIDE AND PCB DAILY STANDARD CHECK

Calibration Dates: 12/04/91 Check Standard Date: 12/8/91

Instrument I.D.: GC B Analyst: ML #4

Compound	Calibration Avg. rf	Check Standard rf	% Difference
alpha-BHC			
gamma-BHC			
beta-BHC			
delta-BHC			
Heptachlor			
Aldrin			
Heptachlor epoxide			
Endosulfan I			
4-4'-DDE			
Dieldrin			
Endrin			
4-4'-DDD			
Endosulfan II			
4-4'-DDT			
Endrin Aldehyde			
Endosulfan Sulfate			
Methoxychlor			
DBC			
Toxaphene			
Chlordane			
Aroclor-1016 RT 10.88	.062	.061	1.6
Aroclor-1221 RT 7.14	.176	.167	5.1
Aroclor-1232 RT 9.78	.133	.118	11.2
Aroclor-1242 RT 10.82	.075	.071	5.3
Aroclor-1248 RT 12.05	.066	.063	4.5
Aroclor-1254 RT 15.04	.037	.041	10.8
Aroclor-1260 RT 18.23	.041	.036	12.2

% Difference must be <15 for EPA Methods 608 and SW-846 8080



4-30 Min Scale: 10 Mv
ck54 Processed: 12-08-1991 12:43:51, segment 2, cycle 2
Error, duplicate file name = D:LFB2.PTS
RAW DATA SAVED IN FILE D:LGB2.PTS

EXTERNAL STANDARD TABLE

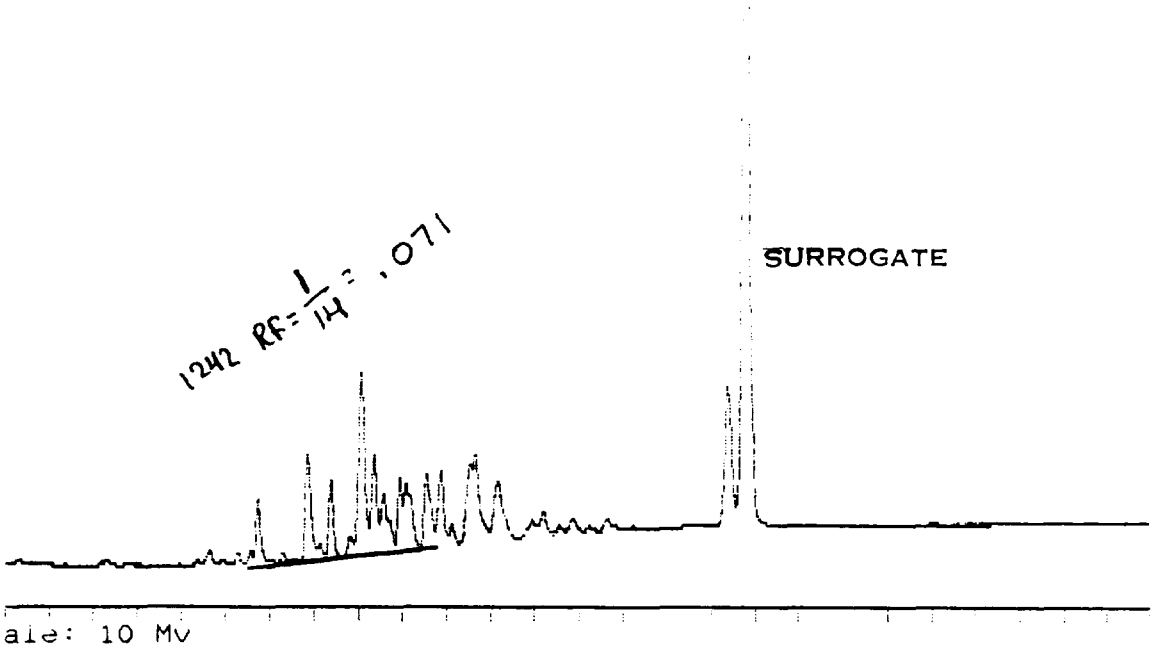
12-08-1991 12:45:21 Version 5.1

Sample Name: ck54 Data File: D:LGB2
Date: 12-08-1991 13:33:56 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 2 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	12.917		0.4799	3.7200%	4799	814	5.9	1			1.0000E-04
2	13.507		0.2351	1.8226%	2351	399	5.9	1			1.0000E-04
3	14.633		1.4440	11.1943%	14440	1709	8.5	1			1.0000E-04
4	15.033		0.0555	0.4303%	555	110	5.1	2			1.0000E-04
5	15.183		1.1468	8.8903%	11468	1739	6.6	2			1.0000E-04
6	15.783		0.2290	1.7753%	2290	519	4.4	2			1.0000E-04
7	15.907		0.9403	7.2895%	9403	1233	7.6	2			1.0000E-04
8	16.167		1.9822	15.3664%	19822	2593	7.6	2			1.0000E-04
9	16.523		0.0778	0.6028%	778	68	11.4	1			1.0000E-04
10	16.790		1.6527	12.8120%	16527	1853	8.9	1			1.0000E-04
11	17.343		0.5522	4.2806%	5522	901	6.1	2			1.0000E-04
12	17.543		0.4268	3.3084%	4268	654	6.5	2			1.0000E-04
	18.177		1.5834	12.2744%	15834	1863	8.5	1			1.0000E-04
14	19.067		0.0446	0.3459%	446	88	5.1	1			1.0000E-04
15	20.323		1.6889	13.0926%	16889	1657	10.2	2			1.0000E-04
16	20.743	DBC	0.3605	2.7945%	91440	8709	10.5	2	16	0	3.9423E-06

TOTAL AMOUNT = 12.8997



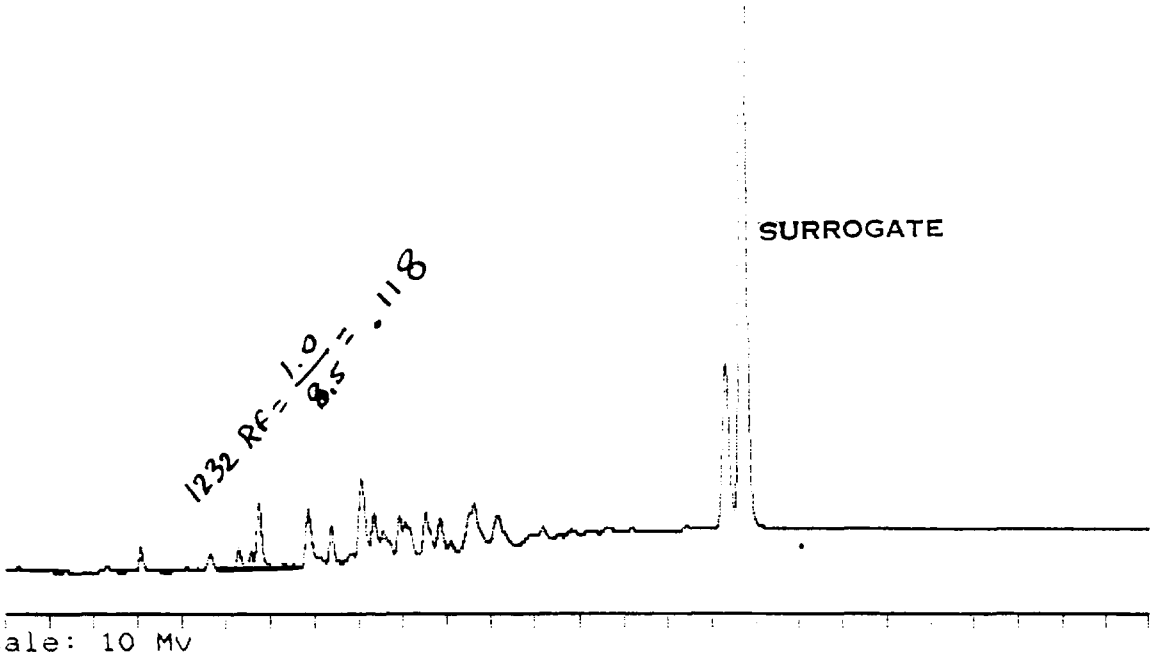
4-30 Min Scale: 10 MV
ck42 Processed: 12-08-1991 13:56:48, segment 4, cycle 4
Error, duplicate file name = D:LFD4.PTS
RAW DATA SAVED IN FILE D:LGD4.PTS

EXTERNAL STANDARD TABLE

********** 12-08-1991 13:58:19 Version 5.1 **********
* Sample Name: ck42 Data File: D:LGD4 *
* Date: 12-08-1991 15:59:52 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 4 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
Instrument Type: TRACOR 540 Column Type: SPB-5 *
Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.727		0.3389	4.8656%	3389	562	6.0	1			1.0000E-04
2	10.847		0.8968	12.8733%	8968	1075	8.3	1			1.0000E-04
3	11.380		0.5012	7.1942%	5012	781	6.4	1			1.0000E-04
4	12.073		1.5648	22.4635%	15648	1777	8.8	2			1.0000E-04
5	12.357		0.4937	7.0869%	4937	791	6.2	2			1.0000E-04
6	12.573		0.0311	0.4470%	311	87	3.6	1			1.0000E-04
7	12.940		0.2338	3.3557%	2338	461	5.1	1			1.0000E-04
8	13.077		0.0229	0.3287%	229	80	2.8	1			1.0000E-04
9	13.540		0.2631	3.7769%	2631	474	5.5	1			1.0000E-04
10	13.873		0.4675	6.7108%	4675	654	7.1	1			1.0000E-04
11	14.537		0.0909	1.3052%	909	122	7.5	1			1.0000E-04
12	14.657		0.1551	2.2261%	1551	282	5.5	1			1.0000E-04
	15.170		0.0744	1.0686%	744	95	7.9	1			1.0000E-04
14	20.383		1.4703	21.1067%	14703	1443	10.2	2			1.0000E-04
15	20.803	DBC	0.3616	5.1907%	91744	8706	10.5	2	15	0	3.9413E-06

TOTAL AMOUNT = 6.9660



4-30 Min Scale: 10 MV
ck32 Processed: 12-08-1991 14:33:30, segment 5, cycle 5
Error, duplicate file name = D:LFE5.PTS
RAW DATA SAVED IN FILE D:LGE5.PTS

EXTERNAL STANDARD TABLE

12-08-1991 14:35:00 Version 5.1

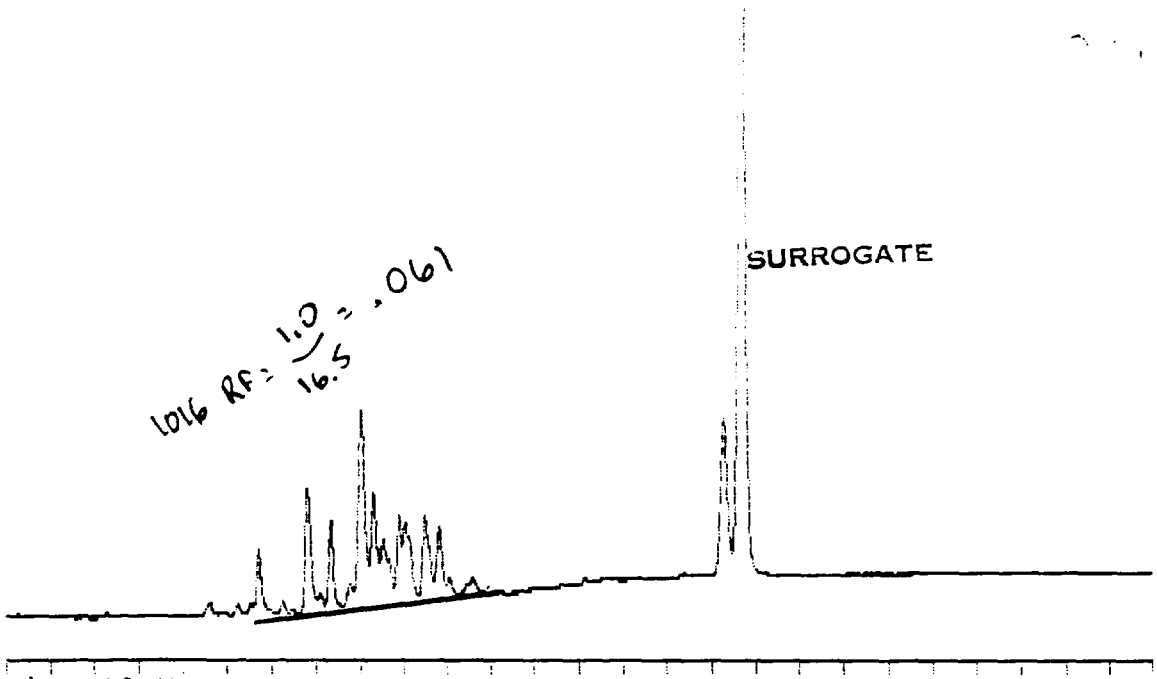
Sample Name: ck32 Data File: D:LGE5
Date: 12-08-1991 17:13:15 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 5 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.060		0.0225	0.6511%	225	67	3.4	1			1.0000E-04
2	9.270		0.0123	0.3560%	123	46	2.7	1			1.0000E-04
3	9.730		0.3654	10.5746%	3654	585	6.2	1			1.0000E-04
4	10.843		0.0529	1.5303%	529	98	5.4	1			1.0000E-04
5	11.370		0.0335	0.9695%	335	79	4.2	1			1.0000E-04
6	12.060		0.6334	18.3319%	6335	740	8.6	1			1.0000E-04
7	12.343		0.0291	0.8410%	291	71	4.1	1			1.0000E-04
8	12.920		0.0338	0.9770%	338	77	4.4	1			1.0000E-04
9	13.510		0.0417	1.2062%	417	103	4.0	1			1.0000E-04
10	13.847		0.0289	0.8358%	289	60	4.8	1			1.0000E-04
11	14.627		0.0874	2.5296%	874	55	16.0	1			1.0000E-04
12	20.313		1.7677	51.1575%	17677	1713	10.3	2			1.0000E-04
	20.727	DBC	0.3469	10.0394%	87687	8273	10.6	2	13	0	3.9562E-06

TOTAL AMOUNT = 3.4554



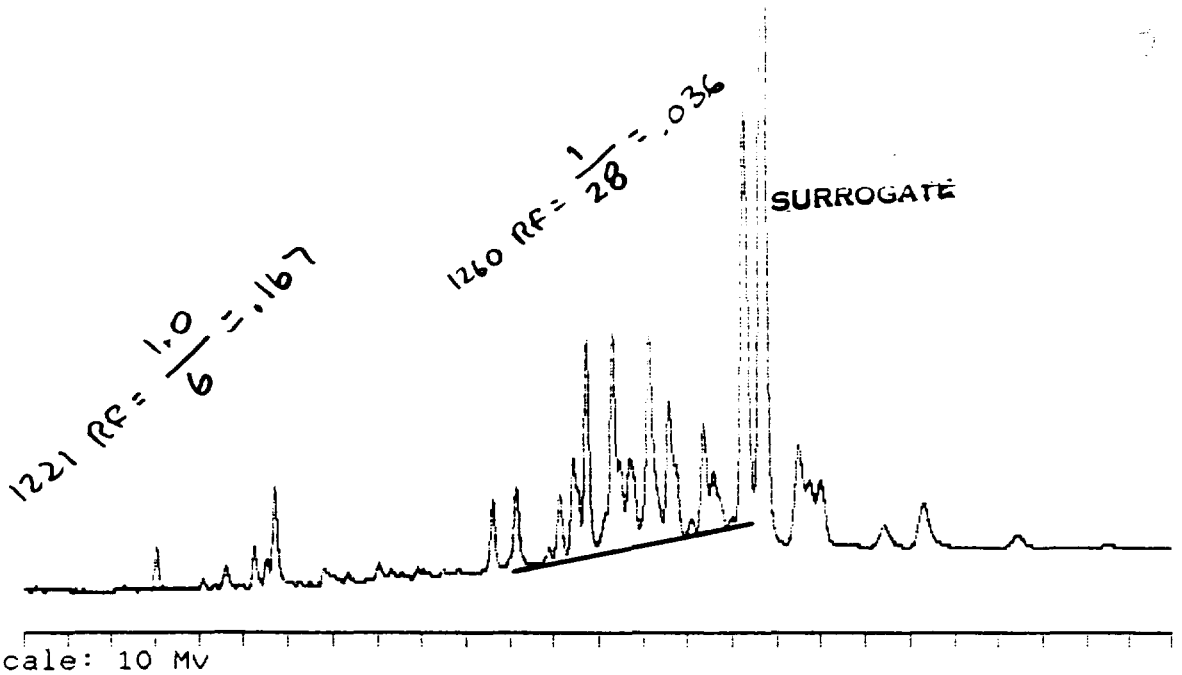
4-30 Min Scale: 10 Mv
ck16 Processed: 12-08-1991 15:10:10, segment 6, cycle 6
RAW DATA SAVED IN FILE D:LFE6.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-08-1991 15:11:31 Version 5.1 **********
* Sample Name: ck16 Data File: D:LFE6 *
* Date: 12-08-1991 18:26:37 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 6 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
Instrument Type: TRACOR 540 Column Type: SPB-5 *
Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.703		0.3724	4.8922%	3724	583	6.4	1			1.0000E-04
2	10.813		1.0636	13.9733%	10636	1257	8.5	1			1.0000E-04
3	11.343		0.5766	7.5748%	5766	889	6.5	1			1.0000E-04
4	11.770		0.0109	0.1432%	109	29	3.7	1			1.0000E-04
5	12.037		1.7071	22.4284%	17071	1873	9.1	2			1.0000E-04
6	12.320		0.5674	7.4541%	5674	845	6.7	2			1.0000E-04
7	12.533		0.1311	1.7223%	1311	255	5.1	2			1.0000E-04
8	12.897		0.3115	4.0932%	3115	559	5.6	2			1.0000E-04
9	13.033		0.1015	1.3340%	1015	220	4.6	2			1.0000E-04
10	13.490		0.3497	4.5944%	3497	578	6.0	1			1.0000E-04
11	13.827		0.4094	5.3785%	4094	568	7.2	1			1.0000E-04
12	20.280		1.6647	21.8708%	16647	1616	10.3	2			1.0000E-04
	20.697	DBC	0.3456	4.5408%	87331	8214	10.6	2	13	0	3.9576E-06

TOTAL AMOUNT = 7.6114



4-30 Min Scale: 10 Mv
ck21,60 Processed: 12-08-1991 15:48:57, segment 7, cycle 7
RAW DATA SAVED IN FILE D:LFE7.PTS

EXTERNAL STANDARD TABLE

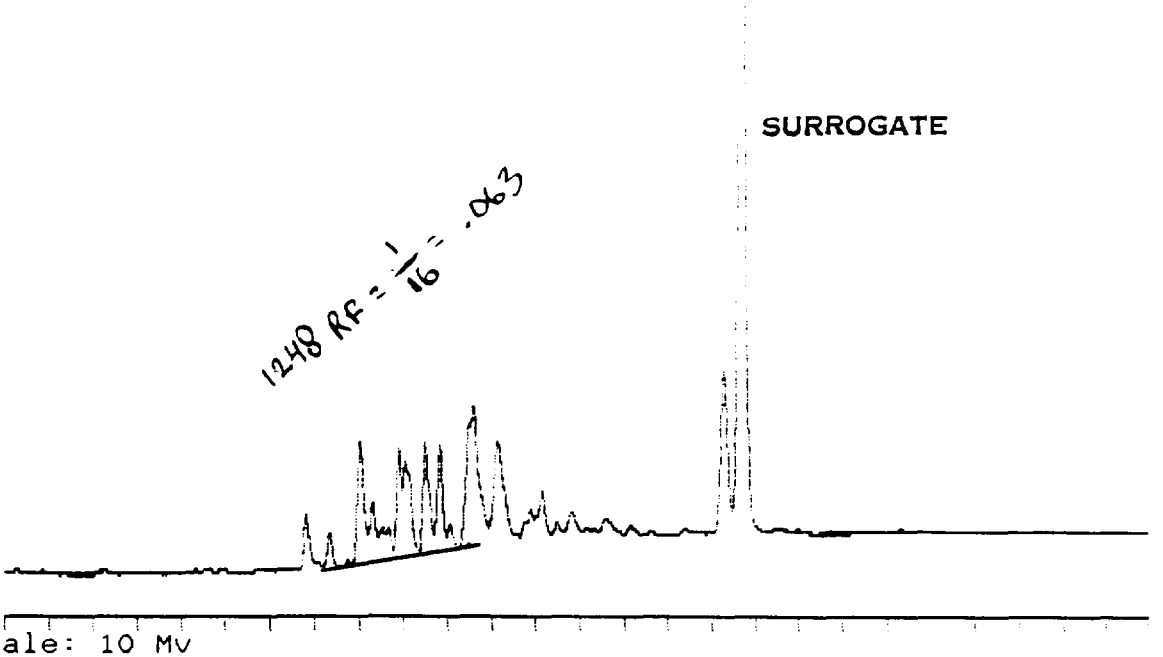
12-08-1991 15:50:33 Version 5.1

Sample Name: ck21,60 Data File: D:LFE7
Date: 12-08-1991 19:44:11 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 7 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.033		0.2373	1.5734%	2373	424	5.6	1			1.0000E-04
2	9.257		0.0404	0.2681%	404	97	4.2	1			1.0000E-04
3	9.530		0.0240	0.1592%	240	74	3.2	1			1.0000E-04
4	9.710		0.5933	3.9328%	5933	898	6.6	1			1.0000E-04
5	14.623		0.4495	2.9795%	4495	686	6.6	1			1.0000E-04
6	15.163		0.5048	3.3466%	5048	734	6.9	1			1.0000E-04
7	16.137		0.4557	3.0209%	4557	633	7.2	1			1.0000E-04
8	16.437		0.3201	2.1217%	3201	586	5.5	1			1.0000E-04
9	16.737		1.4356	9.5165%	14356	2061	7.0	1			1.0000E-04
10	17.163		0.0810	0.5371%	810	189	4.3	2			1.0000E-04
11	17.327		1.6564	10.9803%	16564	2101	7.9	2			1.0000E-04
12	17.497		0.3139	2.0810%	3139	585	5.4	2			1.0000E-04
[illegible]	17.713		0.0513	0.3402%	513	83	6.2	1			1.0000E-04
	8.157		1.6056	10.6439%	16056	1860	8.6	1			1.0000E-04
[illegible]	18.607		0.6694	4.4376%	6694	966	6.9	1			1.0000E-04
16	19.387		0.6785	4.4979%	6785	905	7.5	1			1.0000E-04
17	19.597		0.0225	0.1491%	225	53	4.3	1			1.0000E-04
18	20.290		4.9048	32.5147%	49048	4468	11.0	2			1.0000E-04
19	20.710	DBC	0.3561	2.3608%	90235	8304	10.9	2	19	0	3.9467E-06
[illegible]											



4-30 Min Scale: 10 Mv
ck48 Processed: 12-08-1991 16:25:35, segment 8, cycle 8
End of sequence file reached at cycle 8
RAW DATA SAVED IN FILE D:LFE8.PTS

EXTERNAL STANDARD TABLE

12-08-1991 16:26:56 Version 5.1

Sample Name: ck48 Data File: D:LFE8
Date: 12-08-1991 20:57:28 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 8 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.807		0.3907	4.8450%	3907	522	7.5	1			1.0000E-04
2	11.340		0.0347	0.4305%	347	74	4.7	1			1.0000E-04
3	12.040		1.1414	14.1536%	11414	1190	9.6	2			1.0000E-04
4	12.313		0.2453	3.0418%	2453	400	6.1	2			1.0000E-04
5	12.897		0.3866	4.7933%	3866	708	5.5	2			1.0000E-04
6	13.040		0.0427	0.5289%	427	92	4.6	2			1.0000E-04
7	13.490		1.0433	12.9362%	10433	1120	9.3	2			1.0000E-04
8	13.823		0.7657	9.4943%	7657	986	7.8	2			1.0000E-04
9	14.507		0.7351	9.1153%	7351	1019	7.2	2			1.0000E-04
10	14.607		0.8521	10.5654%	8521	1094	7.8	2			1.0000E-04
11	15.147		0.1422	1.7626%	1422	187	7.6	1			1.0000E-04
12	16.153		0.1877	2.3277%	1877	306	6.1	1			1.0000E-04
	20.290		1.7620	21.8476%	17620	1672	10.5	2			1.0000E-04
14	20.700	DBC	0.3353	4.1578%	84484	7899	10.7	2	14	0	3.9690E-06

TOTAL AMOUNT = 8.0647

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE

No.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #5					
27*	1254	PCB	LIB 2	12/9/91 9:01	
28*	1248	PCB	LIC3	12/9/91 9:37	
29*	1242	PCB	LID4	12/9/91 10:14	
30*	1232	PCB	LIE5	12/9/91 10:51	
31*	1016	PCB	LHE6	12/9/91 11:27	
32*	1221, 1260	PCB	LHE7	12/9/91 12:30	
33	PE0018783	PCB	LAST RUN	12/9/91 16:22:35	
34	MTDBLK H_2O 12/3	PCB	RE11	12/10/91 01:39:09	
35	MTD BLK SOIL 12/3	PCB	RE12	12/10/91 02:15:19	
36	SW-8	PCB	RE13	12/10/91 02:54:13	
37	SW-9	PCB	RE14	12/10/91 03:29:20	
38	FB-1203	PCB	RE15	12/10/91 04:07:45	

* = Samples used for Quantitative Analysis.

H182:5

No.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #5 (CONTINUED)					
39	SD-9	PCB	RE16	12/10/91 04:44:28	
40	SD-8	PCB	RE17	12/10/91 05:21:10	
41	SD-6	PCB	RE18	12/10/91 05:57:57	
42	SD-7	PCB	RE19	12/10/91 06:33:17	
43	SD-36	PCB	RE110	12/10/91 07:11:34	
44	SW-6	PCB	RE111	12/10/91 07:48:15	
45	SD-7	PCB	RE112	12/10/91 08:23:06	
46	SD-7D	PCB	RE113	12/10/91 08:59:27	
47	MTD BLK H_2O 12/4	PCB	RE114	12/10/91 09:35:53	
48	MTD BLK SOIL 12/4	PCB	RE115	12/10/91 10:30:25	
49	SW-10	PCB	RE116	12/10/91 10:459:07	
50	SW-14	PCB	RE117	12/10/91 11:25:41	

* = Samples used for Quantitative Analysis.

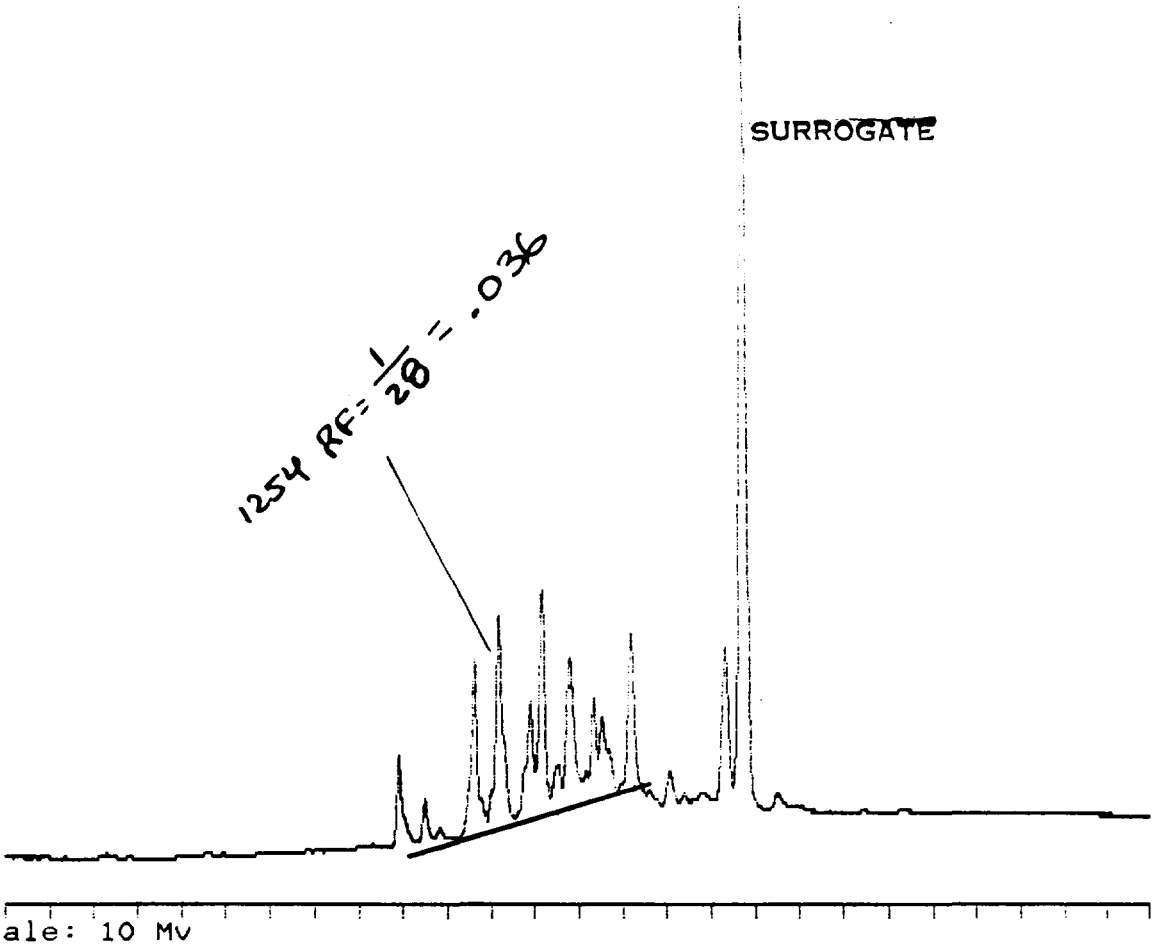
PESTICIDE AND PCB DAILY STANDARD CHECK

Calibration Dates: 12/04/91 Check Standard Date: 12/9/91

Instrument I.D.: GC B Analyst: ML #5

Compound	Calibration Avg. rf	Check Standard rf	% Difference
alpha-BHC			
gamma-BHC			
beta-BHC			
delta-BHC			
Heptachlor			
Aldrin			
Heptachlor epoxide			
Endosulfan I			
4-4'-DDE			
Dieldrin			
Endrin			
4-4'-DDD			
Endosulfan II			
4-4'-DDT			
Endrin Aldehyde			
Endosulfan Sulfate			
Methoxychlor			
DBC			
Toxaphene			
Chlordane			
Aroclor-1016 RT 10.88	.062	.067	8.1
Aroclor-1221 RT 7.14	.176	.167	5.1
Aroclor-1232 RT 9.78	.133	.125	6.0
Aroclor-1242 RT 10.82	.075	.077	2.6
Aroclor-1248 RT 12.05	.066	.059	10.6
Aroclor-1254 RT 15.04	.037	.036	2.7
Aroclor-1260 RT 18.23	.041	.043	4.8

% Difference must be <15 for EPA Methods 608 and SW-846 8080



4 .50 Min Scale: 10 Mv
CK54 Processed: 12-09-1991 08:59:12, segment 2, cycle 2
Error, duplicate file name = D:LFB2.PTS
Error, duplicate file name = D:LGB2.PTS
Error, duplicate file name = D:LHB2.PTS
RAW DATA SAVED IN FILE D:LIB2.PTS

EXTERNAL STANDARD TABLE

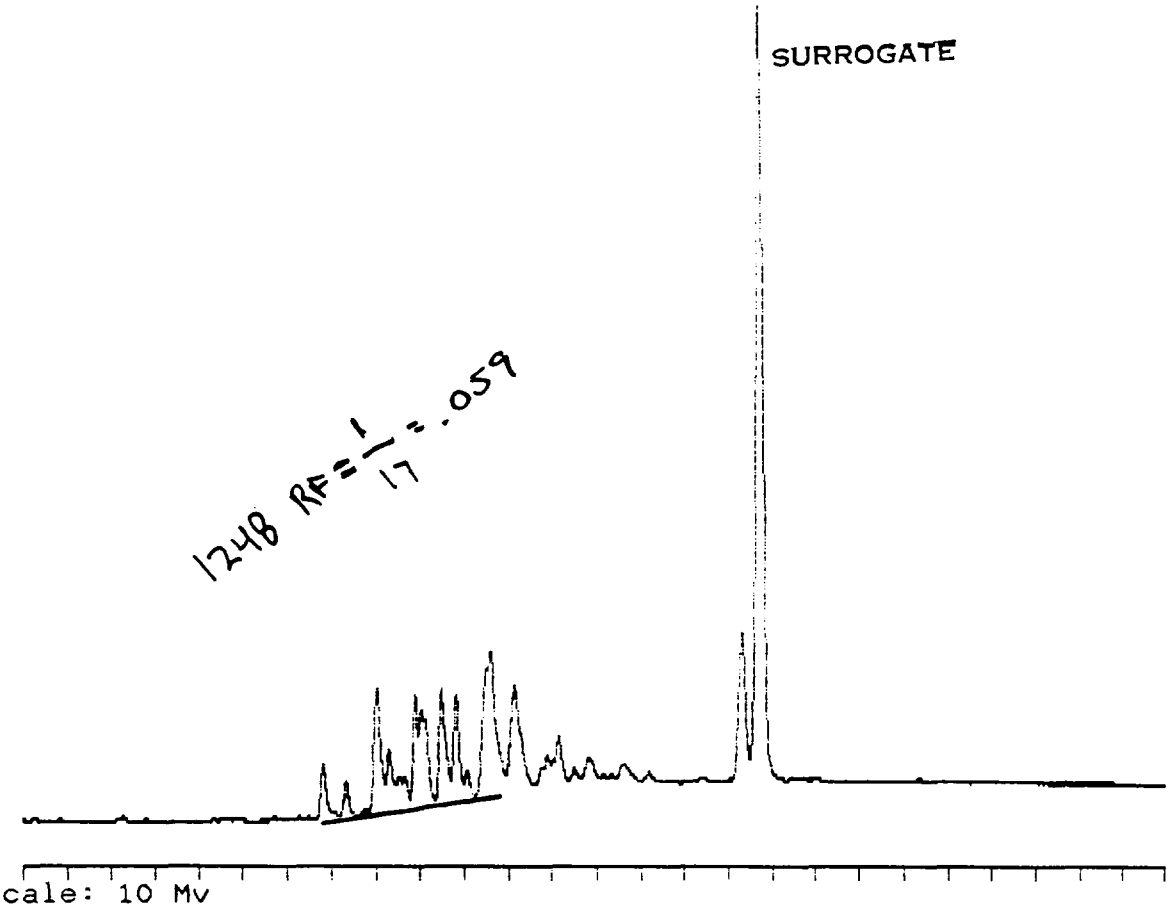
12-09-1991 09:01:04 Version 5.1

Sample Name: CK54 Data File: D:LIB2
Date: 12-09-1991 09:36:47 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 2 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

nun	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
`	910		0.4724	4.0778%	4724	782	6.0	1			1.0000E-04
			0.2169	1.8723%	2169	365	5.9	1			1.0000E-04
			1.3419	11.5825%	13419	1652	8.1	1			1.0000E-04
			0.0418	0.3607%	418	85	4.9	2			1.0000E-04

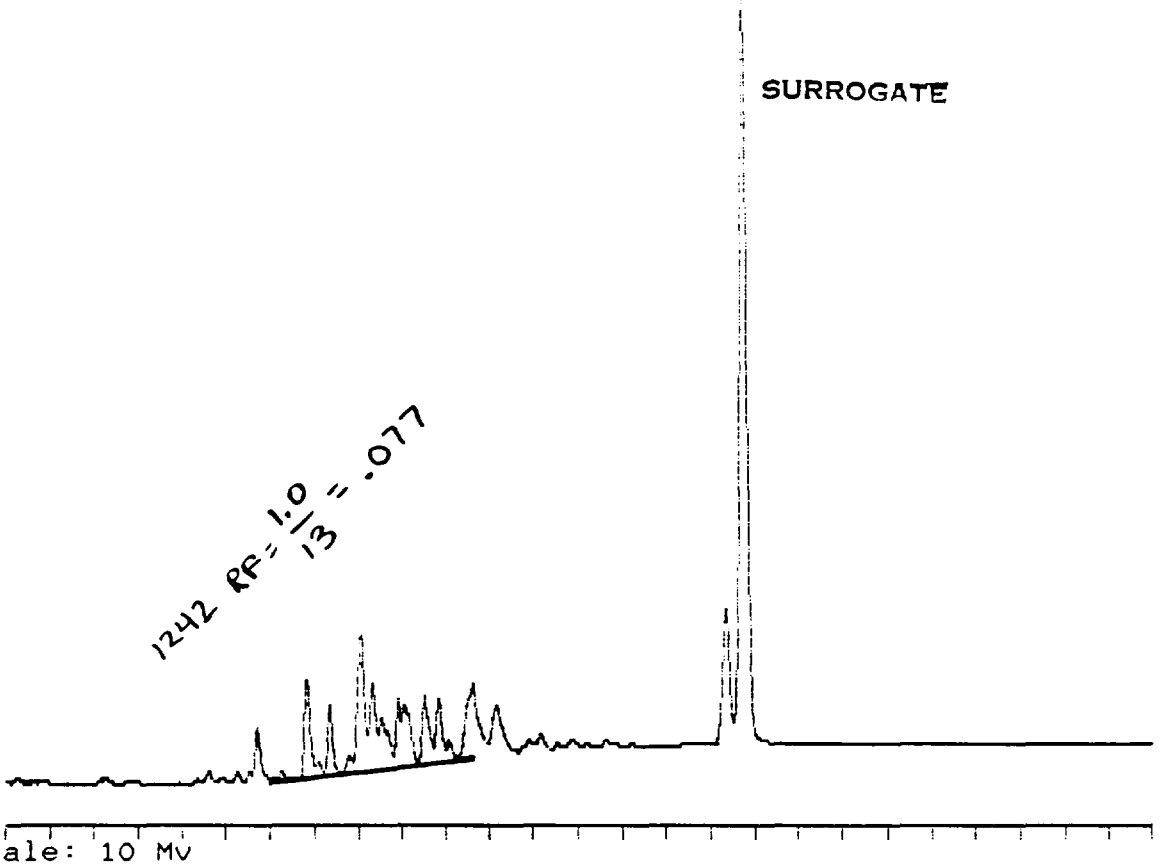


4 30 Min Scale: 10 Mv
CK48 Processed: 12-09-1991 09:35:56, segment 3, cycle 3
Error, duplicate file name = D:LFC3.PTS
Error, duplicate file name = D:LGC3.PTS
Error, duplicate file name = D:LHC3.PTS
RAW DATA SAVED IN FILE D:LIC3.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-09-1991 09:37:48 Version 5.1 **********
* Sample Name: CK48 Data File: D:LIC3 *
* Date: 12-09-1991 10:50:16 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 3 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

Num	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.800		0.0540	0.7321%	540	118	4.6	1			1.0000E-04
2	11.330		0.0293	0.3981%	293	69	4.3	1			1.0000E-04
3	12.037		1.1525	15.6370%	11525	1199	9.6	2			1.0000E-04
4	12.313		0.2425	3.2900%	2425	396	6.1	2			1.0000E-04

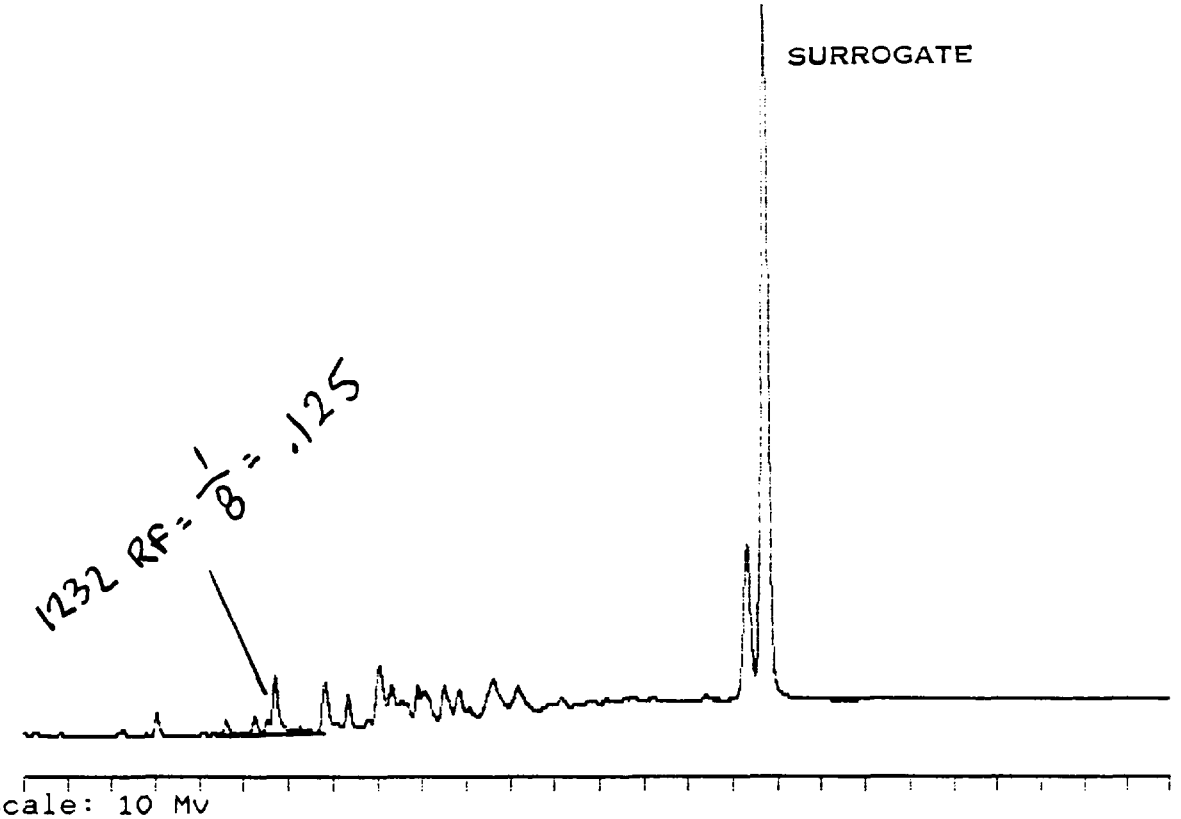


?0 Min Scale: 10 Mv
.2 Processed: 12-09-1991 10:12:41, segment 4, cycle 4
Error, duplicate file name = D:LFD4.PTS
Error, duplicate file name = D:LGD4.PTS
Error, duplicate file name = D:LHD4.PTS
RAW DATA SAVED IN FILE D:LID4.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-09-1991 10:14:35 Version 5.1 **********
* Sample Name: CK42 Data File: D:LID4 *
* Date: 12-09-1991 12:03:48 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 4 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.700		0.2763	5.0318%	2763	451	6.1	1			1.0000E-04
2	10.817		0.8232	14.9909%	8232	988	8.3	1			1.0000E-04
3	11.350		0.4457	8.1164%	4457	694	6.4	1			1.0000E-04
4	12.050		1.2422	22.6214%	12422	1307	9.5	2			1.0000E-04
5	12.333		0.3684	6.7094%	3684	567	6.5	2			1.0000E-04



-30 Min Scale: 10 Mv
CK32 Processed: 12-09-1991 10:49:23, segment 5, cycle 5
Error, duplicate file name = D:LFE5.PTS
Error, duplicate file name = D:LGE5.PTS
Error, duplicate file name = D:LHE5.PTS
RAW DATA SAVED IN FILE D:LIE5.PTS

EXTERNAL STANDARD TABLE

12-09-1991 10:51:17 Version 5.1

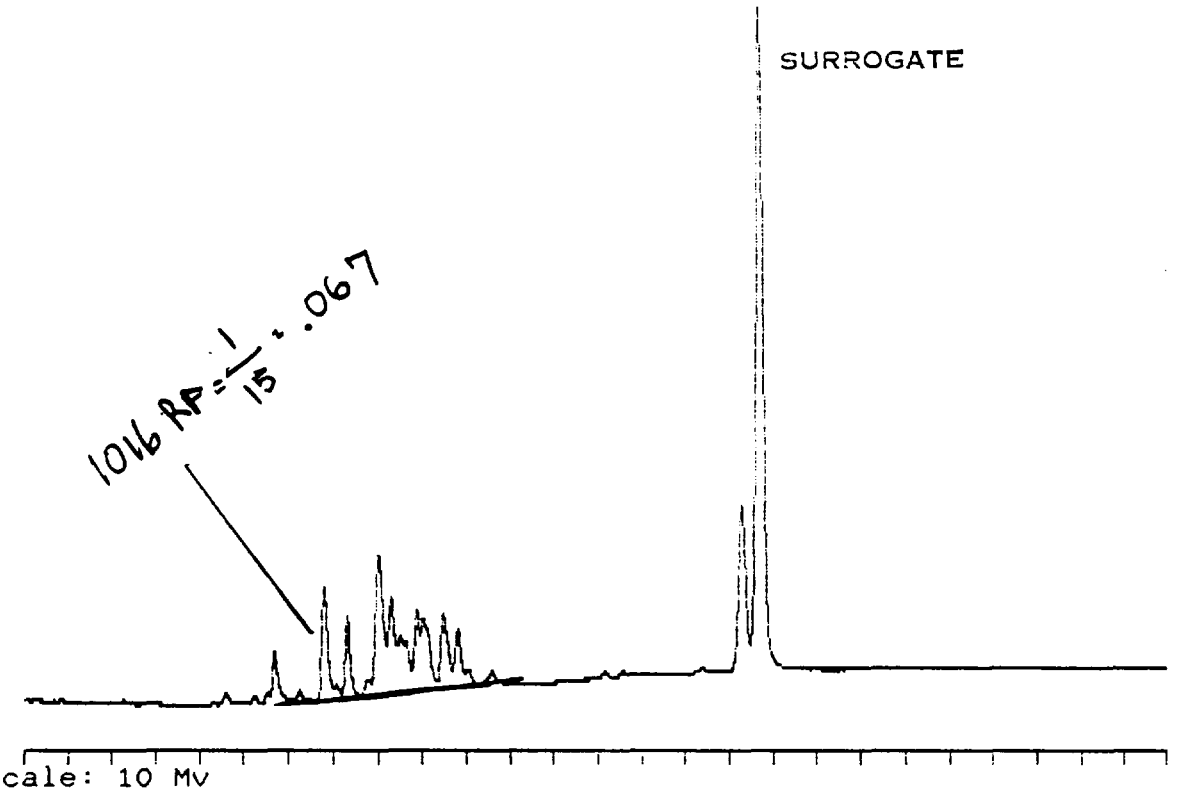
Sample Name: CK32 Data File: D:LIE5
Date: 12-09-1991 13:17:11 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 5 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

Num	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.040		0.0176	0.6825%	176	52	3.4	1			1.0000E-04
2	9.257		0.0133	0.5162%	133	38	3.5	1			1.0000E-04
3	9.717		0.2802	10.8920%	2802	456	6.1	1			1.0000E-04
4	10.823		0.0529	2.0554%	529	114	4.6	1			1.0000E-04

SEQUENCE RECORDED IN D:LFI1.SEQ



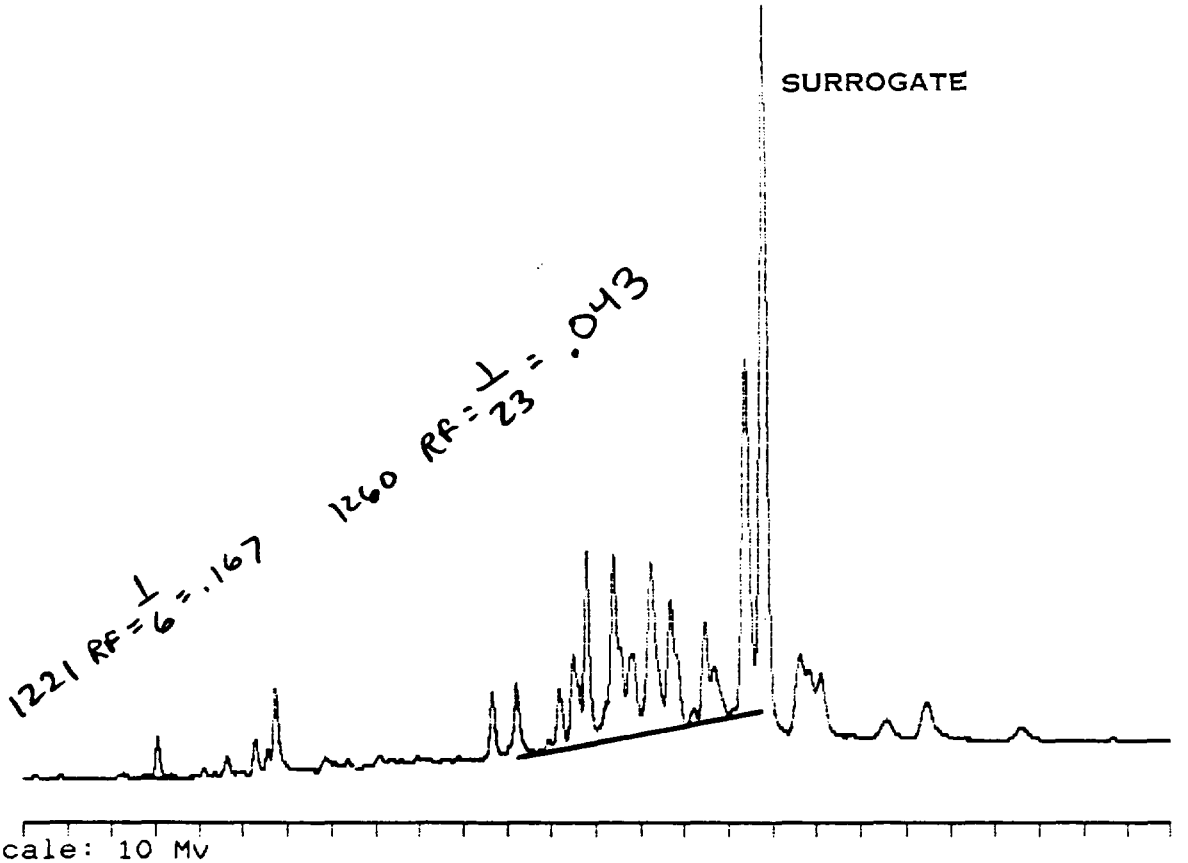
4-30 Min Scale: 10 Mv
CK16 Processed: 12-09-1991 11:26:05, segment 6, cycle 6
Error, duplicate file name = D:LFE6.PTS
Error, duplicate file name = D:LGE6.PTS
RAW DATA SAVED IN FILE D:LHE6.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-09-1991 11:27:49 Version 5.1 **********
* Sample Name: CK16 Data File: D:LHE6 *
* Date: 12-09-1991 14:30:37 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 6 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.690		0.2651	4.5584%	2651	429	6.2	1			1.0000E-04
2	10.807		0.9687	16.6573%	9687	1133	8.5	1			1.0000E-04
3	11.333		0.5011	8.6168%	5011	769	6.5	1			1.0000E-04
4	12.033		1.2234	21.0384%	12234	1219	10.0	2			1.0000E-04



→ 30 Min Scale: 10 Mv
CK21,60 Processed: 12-09-1991 12:30:33, segment 7, cycle 7
End of sequence file reached at cycle 7
Error, duplicate file name = D:LFE7.PTS
Error, duplicate file name = D:LGE7.PTS
RAW DATA SAVED IN FILE D:LHE7.PTS

***** EXTERNAL STANDARD TABLE *****

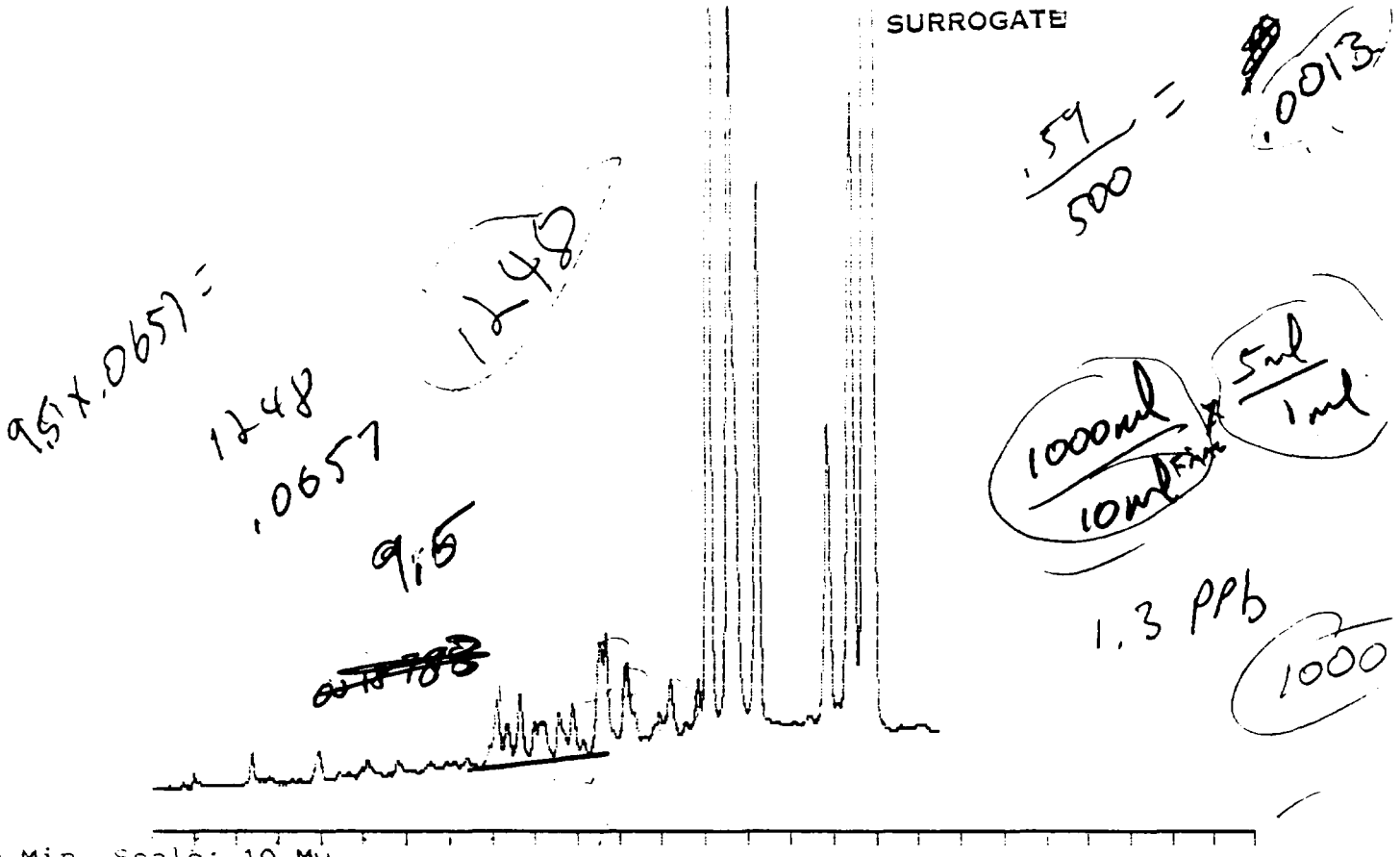
********** 12-09-1991 12:32:18 Version 5.1 **********

* Sample Name: CK21,60 Data File: D:LHE7 *
* Date: 12-09-1991 16:39:33 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 7 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

num	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.050		0.1986	1.6549%	1986	375	5.3	1			1.0000E-04
2	9.280		0.0315	0.2625%	315	70	4.5	1			1.0000E-04
3	9.563		0.0232	0.1930%	232	52	4.5	1			1.0000E-04
4	9.733		0.4871	4.0587%	4871	730	6.7	1			1.0000E-04



4-30 Min Scale: 10 Mv
pe0018783 Processed: 12-09-1991 16:21:26, segment 1, cycle 1
RAW DATA SAVED IN FILE D:LASTRUN.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-09-1991 16:22:50 Version 5.1 **********

* Sample Name: ~~SW-2,500ul~~ PE 0018783 Data File: D:LASTRUN *
* Date: 12-09-1991 16:27:23 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 1 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

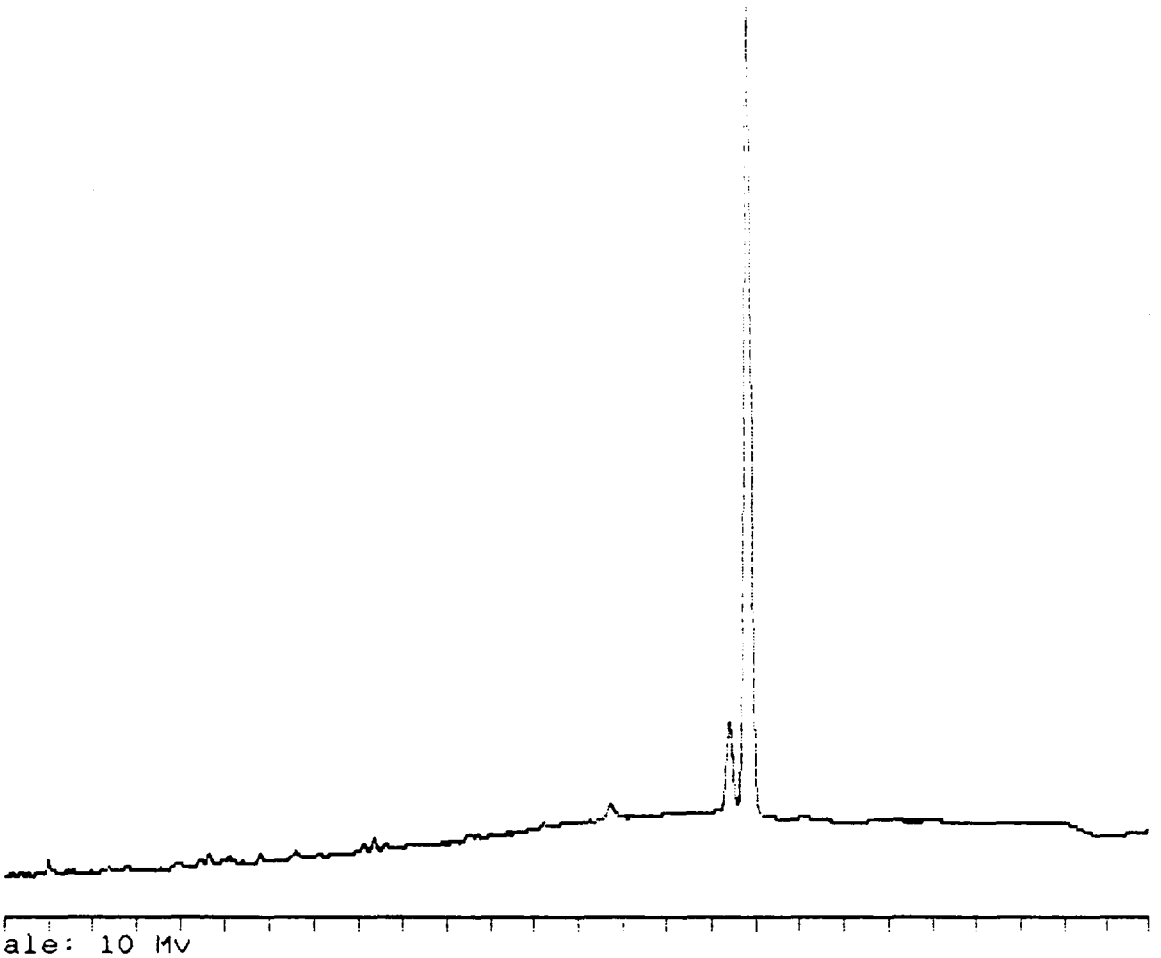
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
14	16.203		0.2621	0.7902%	2621	439	6.0	1			1.0000E-04
15	16.837		0.2612	0.7876%	2612	412	6.3	2			1.0000E-04
16	17.077		9.3764	28.2727%	93764	13182	7.1	2			1.0000E-04
17	17.557		4.0708	12.2746%	40708	6281	6.5	1			1.0000E-04
18	18.213		4.6926	14.1496%	46926	6035	7.8	1			1.0000E-04
19	19.840		2.7840	8.3947%	27840	3229	8.6	1			1.0000E-04
	20.380		7.1160	21.4568%	71160	6953	10.2	2			1.0000E-04
21	20.797	DBC	1.9252	5.8049%	523848	46912	11.2	2	21	0	3.6750E-06

TOTAL AMOUNT = 33.1642

SEQUENCE RECORDED IN D:RERUN.SEQ

SURROGATE



0 Min Scale: 10 MV

MTBLKh20-1 Processed: 12-10-1991 01:39:09, segment 1, cycle 1
RAW DATA SAVED IN FILE D:RE11.PTS

****** EXTERNAL STANDARD TABLE ******

********************* 12-10-1991 01:40:39 Version 5.1 **********************

* Sample Name: MTBLKh20-12/3 Data File: D:RE11 *

* Date: 12-10-1991 01:40:47 Method: PCB 12-04-1991 09:01:32 # 23 *

* Interface: 16 Cycle#: 1 Operator DE Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *

* Solvent Description: *

* Conditions: pro #2 *

* Detector 0: Detector 1: FID *

* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00

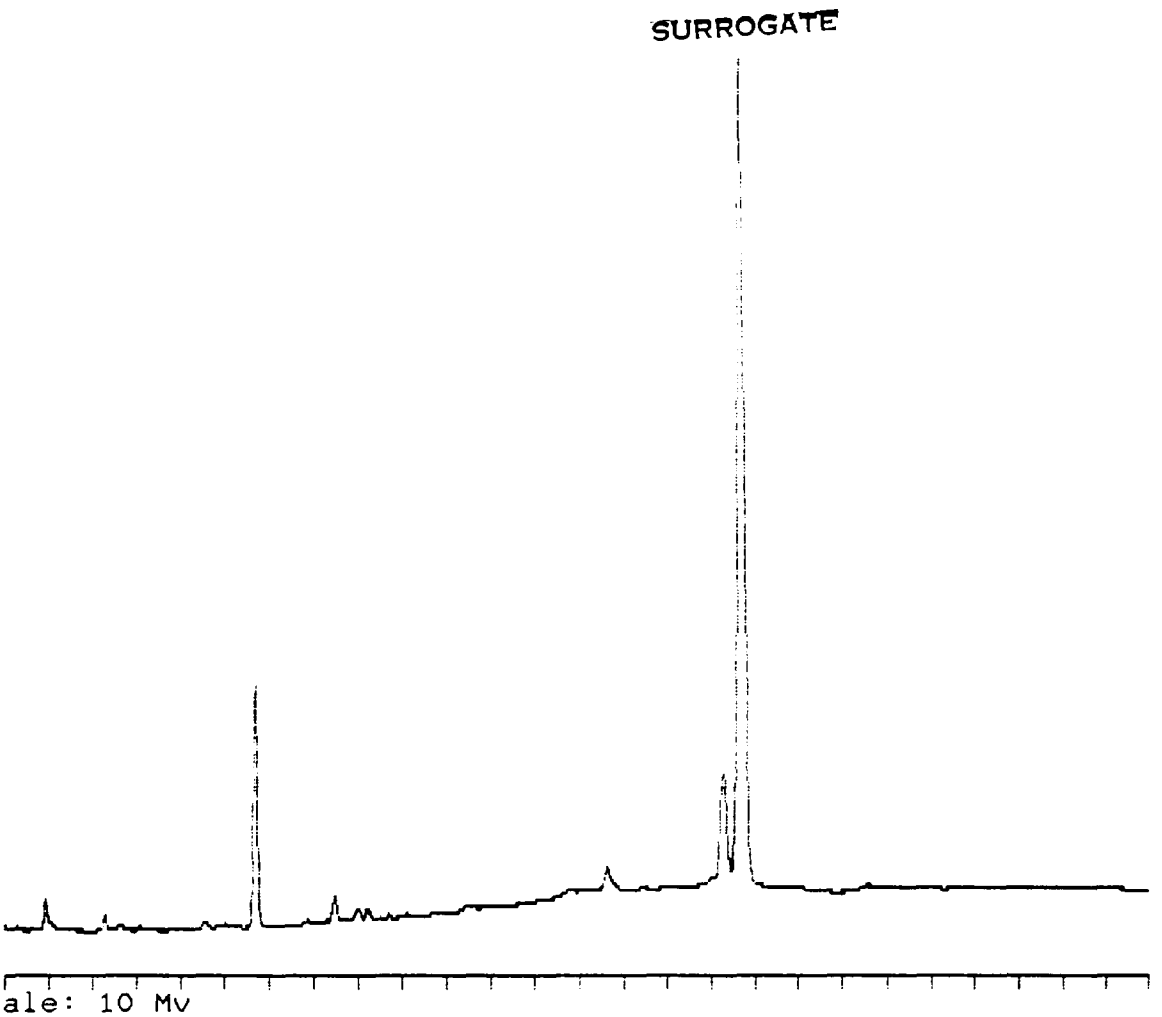
Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	4.997		0.0114	0.8870%	114	46	2.5	1			1.0000E-04
	20.417		0.9034	70.3455%	9034	926	9.8	2			1.0000E-04
3	20.837	DBC	0.3694	28.7676%	93909	8974	10.5	2	3	0	3.9338E-06

TOTAL AMOUNT = 1.2842



30 Min Scale: 10 Mv
MTBLKS-12/ Processed: 12-10-1991 02:15:48, segment 2, cycle 2
RAW DATA SAVED IN FILE D:RE12.PTS

***** EXTERNAL STANDARD TABLE *****

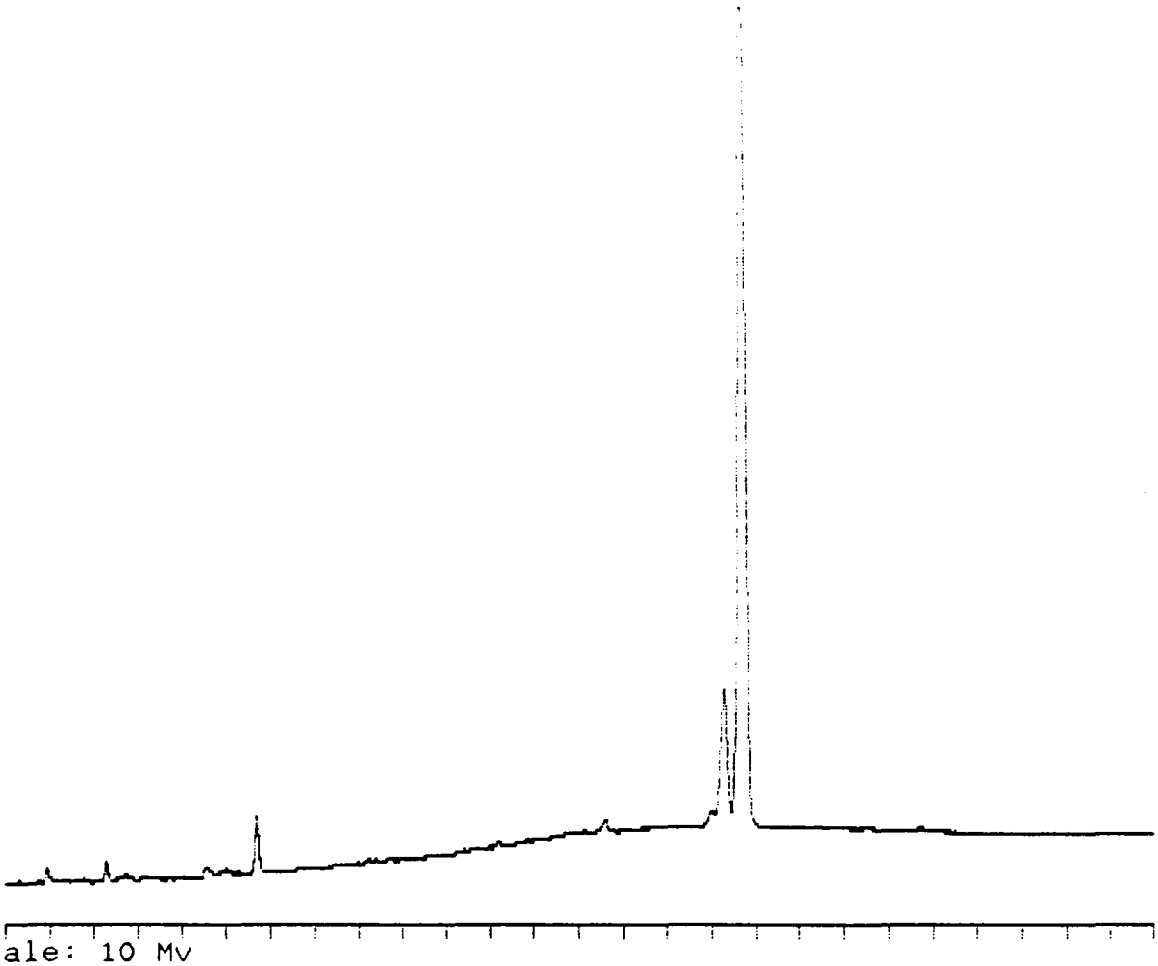
********** 12-10-1991 02:17:19 Version 5.1 **********
* Sample Name: MTBLKS-12/3 Data File: D:RE12 *
* Date: 12-10-1991 02:54:06 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 2 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	4.937		0.0941	3.0496%	941	235	4.0	1			1.0000E-04
	9.697		1.5470	50.1394%	15470	2604	5.9	1			1.0000E-04
3	11.487		0.0189	0.6119%	189	53	3.6	1			1.0000E-04
4	20.287		1.0590	34.3245%	10590	1093	9.7	2			1.0000E-04
5	20.700	DBC	0.3664	11.8746%	93065	8880	10.5	2	5	0	3.9367E-06

TOTAL AMOUNT = 3.0853

SURROGATE



0 Min Scale: 10 Mv

SW-8 Processed: 12-10-1991 02:52:33, segment 3, cycle 3

RAW DATA SAVED IN FILE D:RE13.PTS

EXTERNAL STANDARD TABLE

********** 12-10-1991 02:54:03 Version 5.1 **********

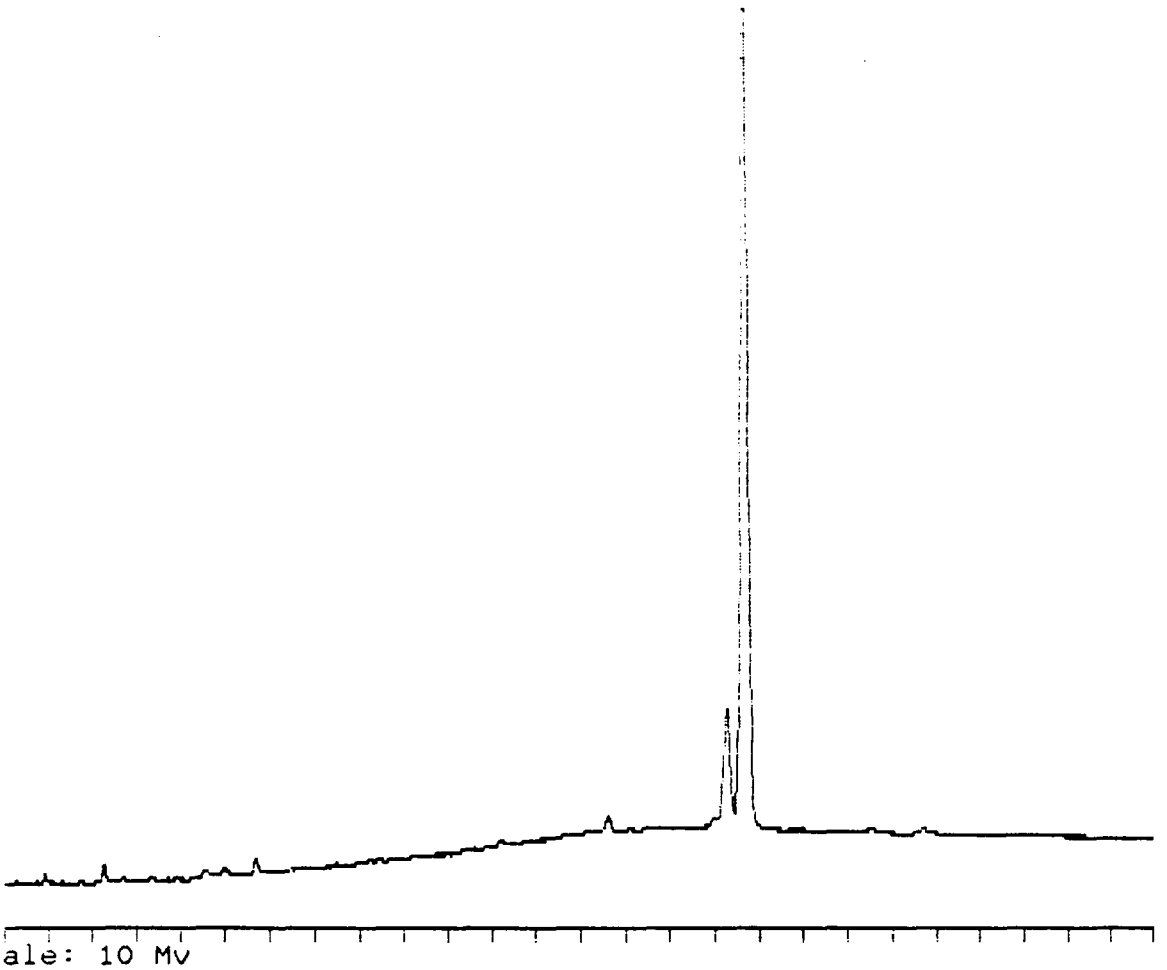
* Sample Name: SW-8 Data File: D:RE13 *
* Date: 12-10-1991 04:07:36 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 3 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	6.280		0.0171	1.8780%	171	53	3.2	1			1.0000E-04
	9.690		0.3140	34.4002%	3140	551	5.7	1			1.0000E-04
3	20.270		0.1153	12.6311%	1153	166	6.9	1			1.0000E-04
4	20.687	DBC	0.4663	51.0907%	120679	11581	10.4	1	4	0	3.8639E-06

TOTAL AMOUNT = 0.9127



30 Min Scale: 10 Mv
SW-9 Processed: 12-10-1991 03:29:20, segment 4, cycle 4
RAW DATA SAVED IN FILE D:RE14.PTS

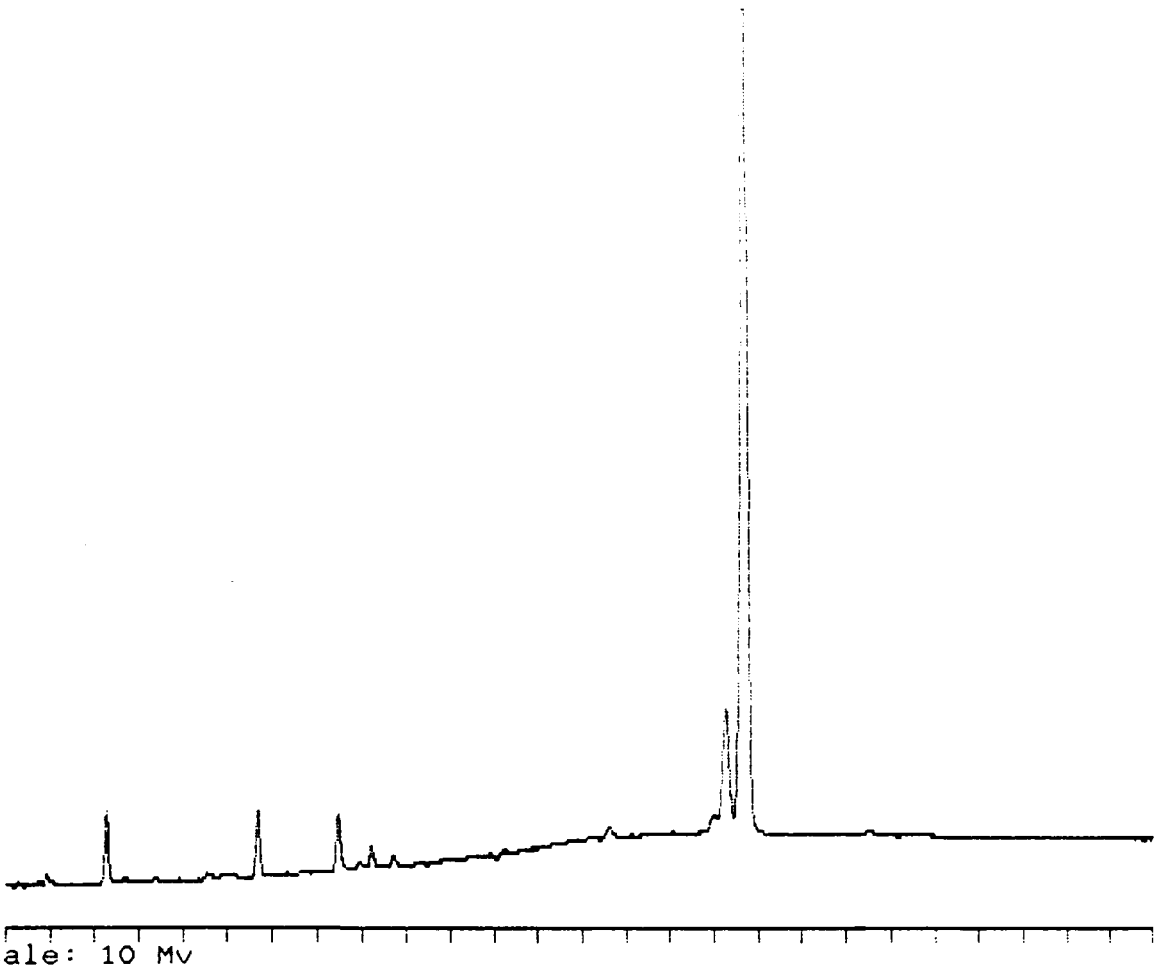
***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 03:30:51 Version 5.1 **********
* Sample Name: SW-9 Data File: D:RE14 *
* Date: 12-10-1991 05:21:11 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 4 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	6.270		0.0148	0.9410%	148	54	2.7	1			1.0000E-04
	20.257		1.1560	73.5976%	11560	1196	9.7	2			1.0000E-04
3	20.670	DBC	0.3999	25.4613%	102335	9694	10.6	2	3	0	3.9079E-06

TOTAL AMOUNT = 1.5707



30 Min Scale: 10 Mv
FB1203 Processed: 12-10-1991 04:06:15, segment 5, cycle 5
RAW DATA SAVED IN FILE D:RE15.PTS

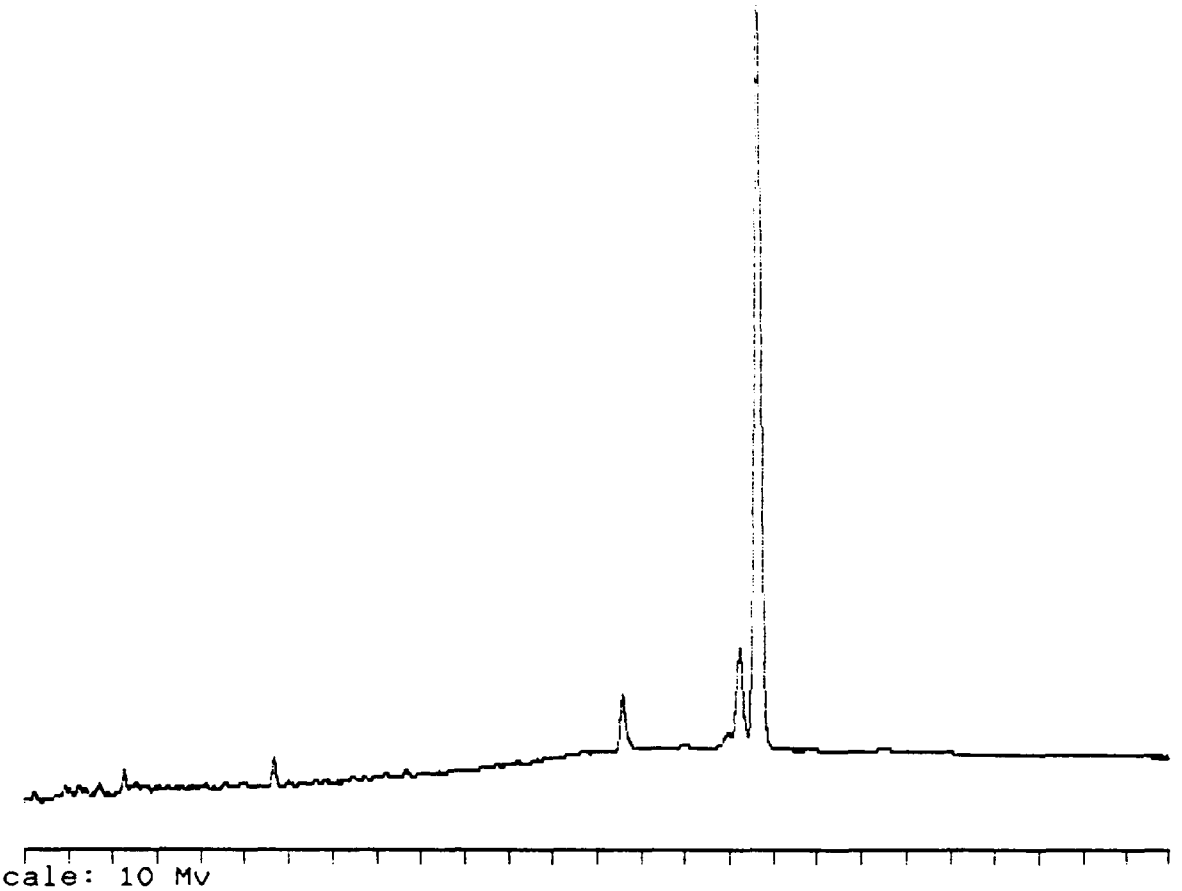
EXTERNAL STANDARD TABLE

12-10-1991 04:07:45 Version 5.1

Sample Name: FB1203 Data File: D:RE15
Date: 12-10-1991 06:35:01 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 5 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	6.270		0.3748	14.1164%	3748	727	5.2	1			1.0000E-04
	9.680		0.3846	14.4852%	3846	674	5.7	1			1.0000E-04
3	11.470		0.3251	12.2449%	3251	533	6.1	1			1.0000E-04
4	12.227		0.0172	0.6478%	172	42	4.1	1			1.0000E-04
5	20.260		1.1396	42.9228%	11396	1188	9.6	2			1.0000E-04
6	20.673	DBC	0.4137	15.5829%	106153	10095	10.5	2	6	0	3.8975E-06



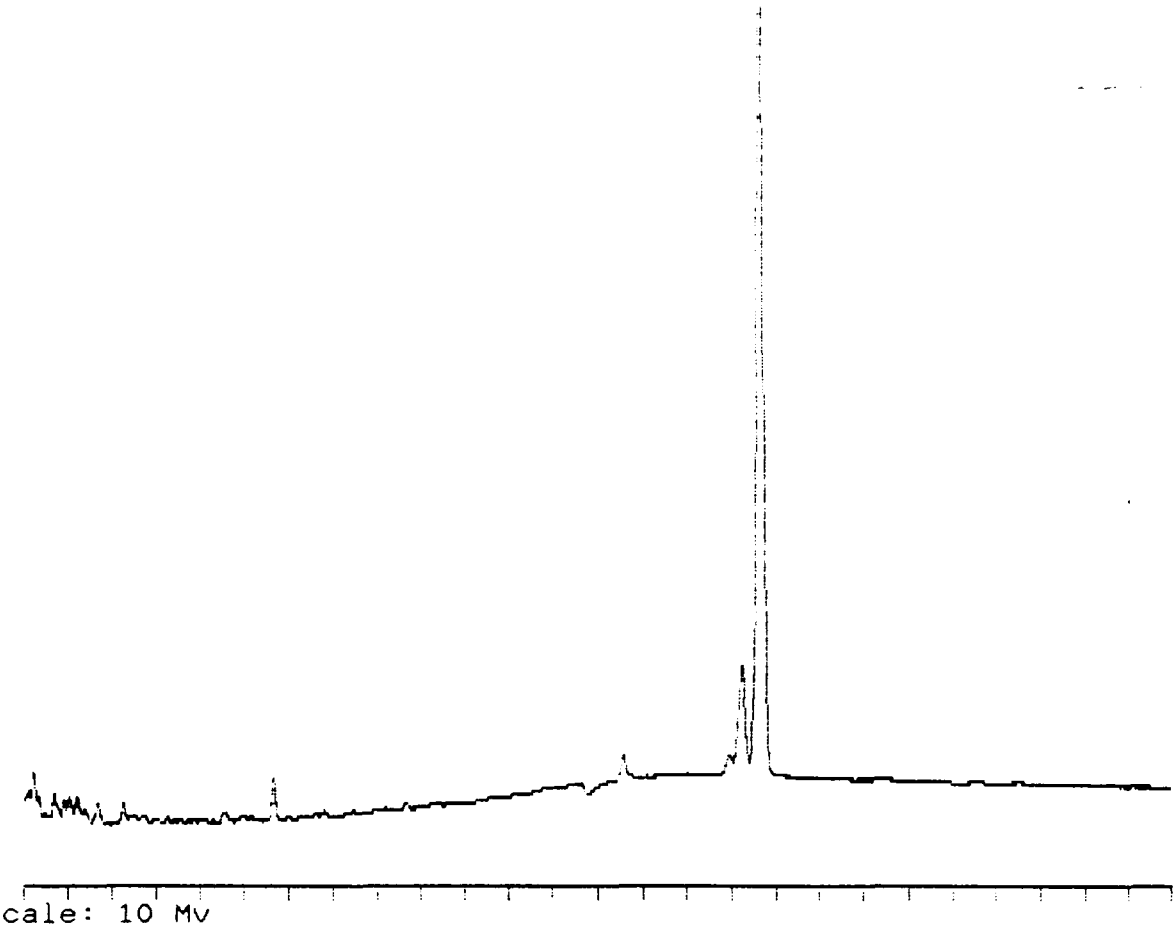
30 Min Scale: 10 Mv
SD-9 Processed: 12-10-1991 04:42:57, segment 6, cycle 6
RAW DATA SAVED IN FILE D:RE16.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 04:44:28 Version 5.1 **********
* Sample Name: SD-9 Data File: D:RE16 *
* Date: 12-10-1991 07:48:27 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 6 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	6.260		0.0179	1.2636%	179	60	3.0	1			1.0000E-04
	9.663		0.1214	8.5669%	1214	243	5.0	1			1.0000E-04
3	17.583		0.0560	3.9559%	560	104	5.4	1			1.0000E-04
4	20.233		0.8852	62.4900%	8852	948	9.3	2			1.0000E-04
5	20.647	OBC	0.3361	23.7236%	84693	8128	10.4	2	5	0	3.9681E-06

TOTAL AMOUNT = 1.4166



4-30 Min Scale: 10 Mv
SD-8 Processed: 12-10-1991 05:19:39, segment 7, cycle 7
RAW DATA SAVED IN FILE D:RE17.PTS

EXTERNAL STANDARD TABLE

12-10-1991 05:21:10 Version 5.1

Sample Name: SD-8 Data File: D:RE17

Date: 12-10-1991 09:01:51 Method: PCB 12-04-1991 09:01:32 # 23

Interface: 16 Cycle#: 7 Operator DE Channel#: 0 Vial#: N.A.

Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5

Solvent Description:

Conditions: pro #2

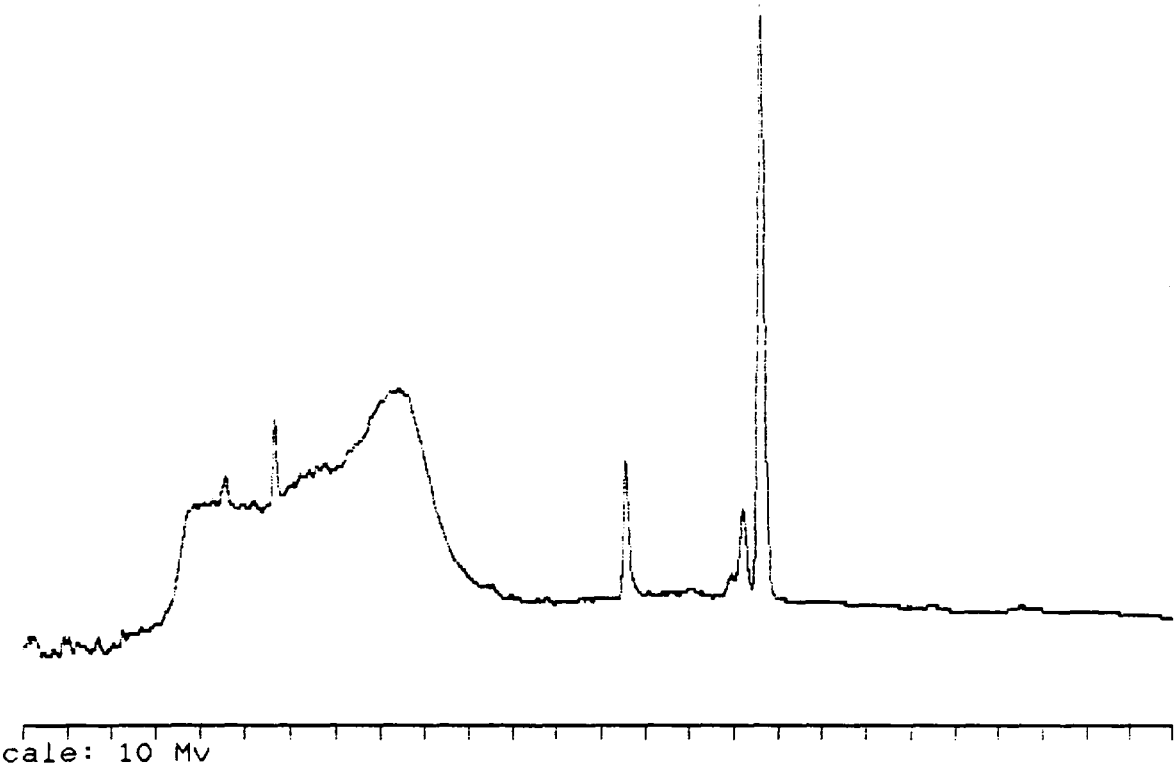
Detector 0: Detector 1: FID

Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.220		0.0214	1.2530%	214	92	2.3	1			1.0000E-04
2	4.697		0.0230	1.3480%	230	83	2.8	1			1.0000E-04
3	4.920		0.0146	0.8586%	147	54	2.7	1			1.0000E-04
4	5.220		0.0165	0.9659%	165	56	2.9	1			1.0000E-04
c	6.260		0.0198	1.1604%	198	65	3.0	1			1.0000E-04
	9.670		0.2403	14.0822%	2403	426	5.6	1			1.0000E-04
/	17.587		0.0258	1.5132%	258	56	4.6	1			1.0000E-04
8	20.233		0.9803	57.4541%	9803	1045	9.4	2			1.0000E-04
9	20.650	DBC	0.3645	21.3646%	92559	8863	10.4	2	9	0	3.9384E-06

TOTAL AMOUNT = 1.7063

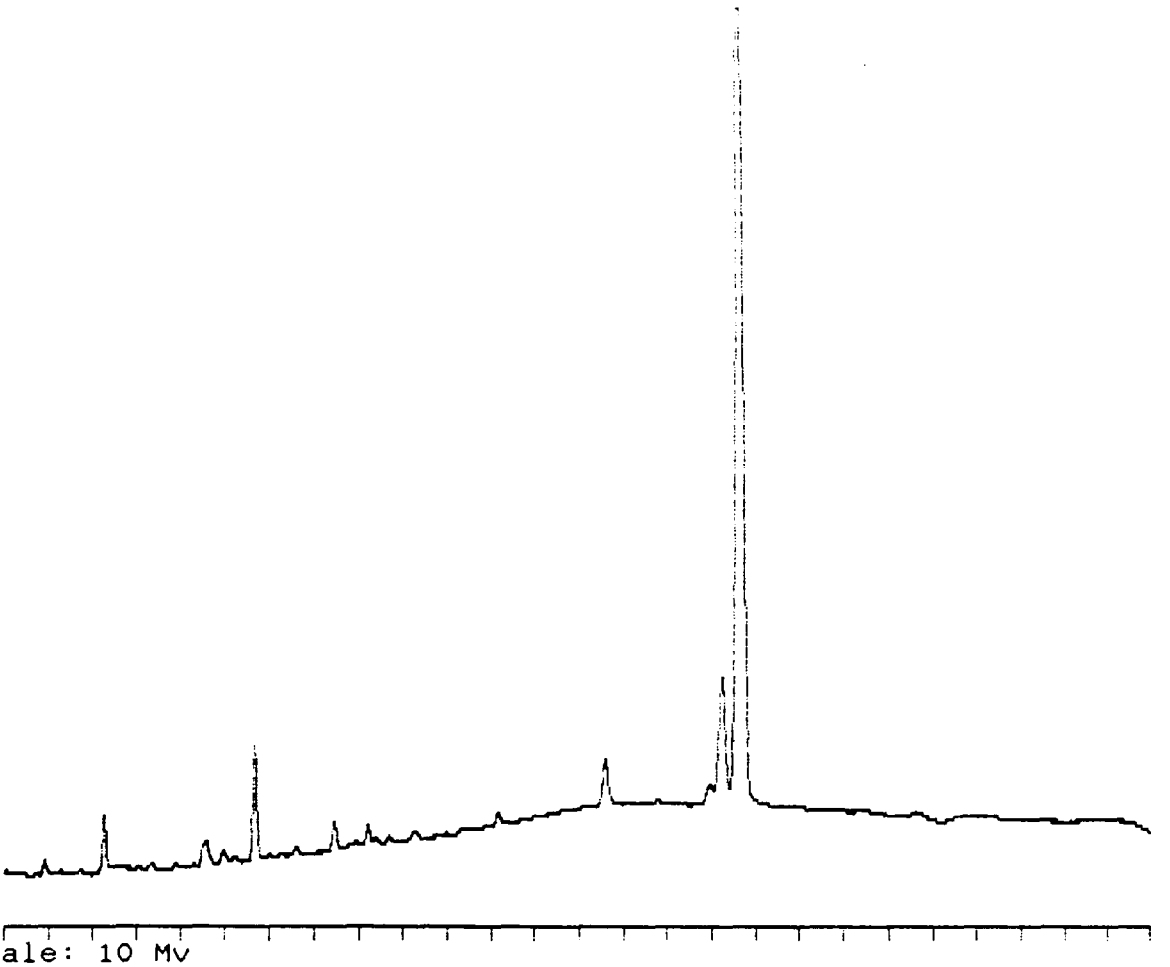


0 Min Scale: 10 Mv
SD-6 Processed: 12-10-1991 05:56:25, segment 8, cycle 8
RAW DATA SAVED IN FILE D:RE18.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 05:57:57 Version 5.1 **********
* Sample Name: SD-6 Data File: D:RE18 *
* Date: 12-10-1991 10:15:23 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 8 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	4.913		0.0176	0.7968%	176	56	3.1 1			1.0000E-04
	6.263		0.0141	0.6401%	141	46	3.1 1			1.0000E-04
3	7.763		0.1144	5.1789%	1144	31	36.9 1			1.0000E-04
4	8.590		0.1595	7.2220%	1595	242	6.6 1			1.0000E-04
5	9.673		0.5247	23.7524%	5247	879	6.0 1			1.0000E-04
6	17.583		1.0306	46.6568%	10306	1384	7.4 1			1.0000E-04
7	20.230		0.0802	3.6289%	802	106	7.5 1			1.0000E-04



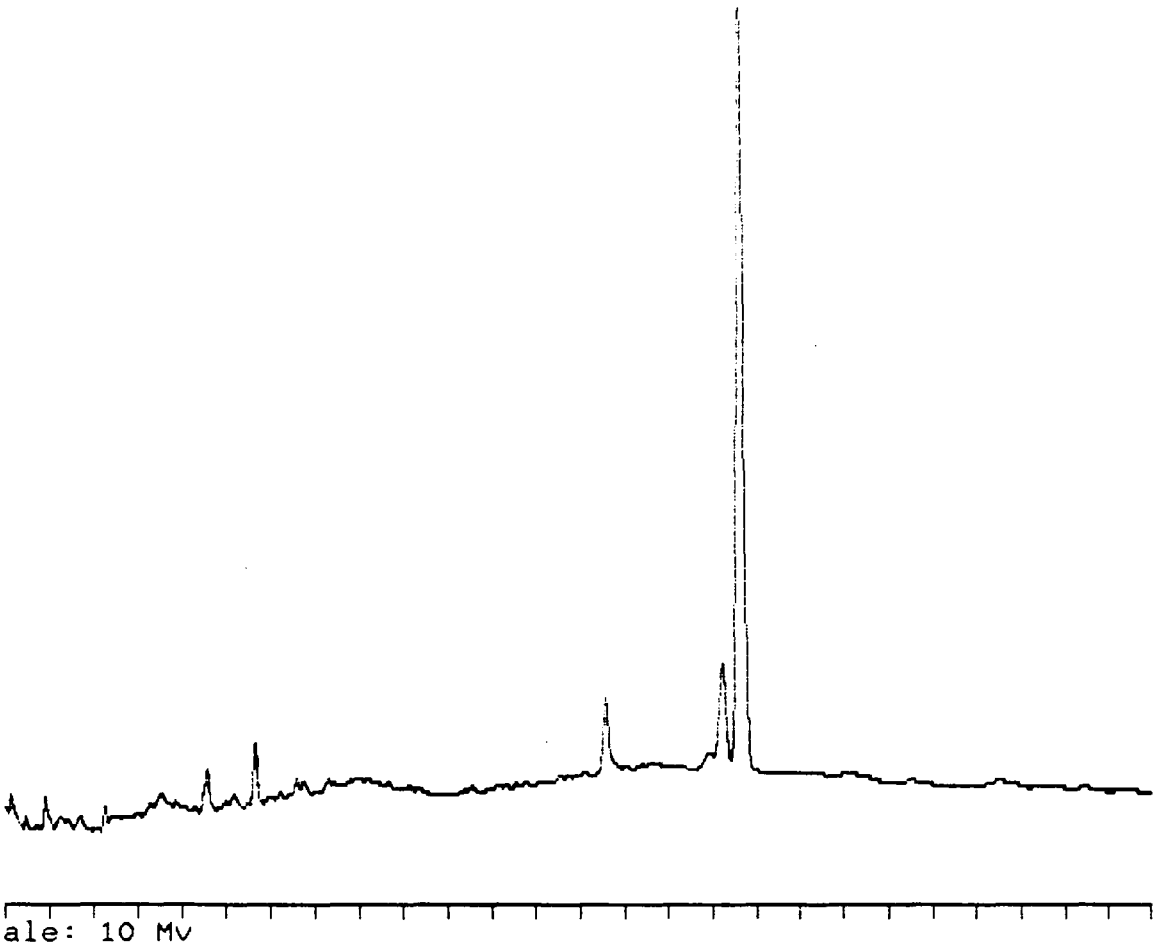
;0 Min Scale: 10 MV
SW-7 Processed: 12-10-1991 06:33:17, segment 9, cycle 9
RAW DATA SAVED IN FILE D:RE19.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 06:34:50 Version 5.1 **********
* Sample Name: SW-7 Data File: D:RE19 *
* Date: 12-10-1991 11:29:07 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 9 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	6.263		0.2741	9.2881%	2741	550	5.0	1			1.0000E-04
	8.590		0.0514	1.7434%	515	41	12.6	1			1.0000E-04
3	9.670		0.7113	24.1033%	7113	1205	5.9	1			1.0000E-04
4	11.457		0.0266	0.9014%	266	70	3.8	1			1.0000E-04
5	12.210		0.0179	0.6079%	179	50	3.6	1			1.0000E-04
6	17.587		0.2756	9.3403%	2756	410	6.7	1			1.0000E-04
7	20.233		1.1562	39.1793%	11562	1226	9.4	2			1.0000E-04

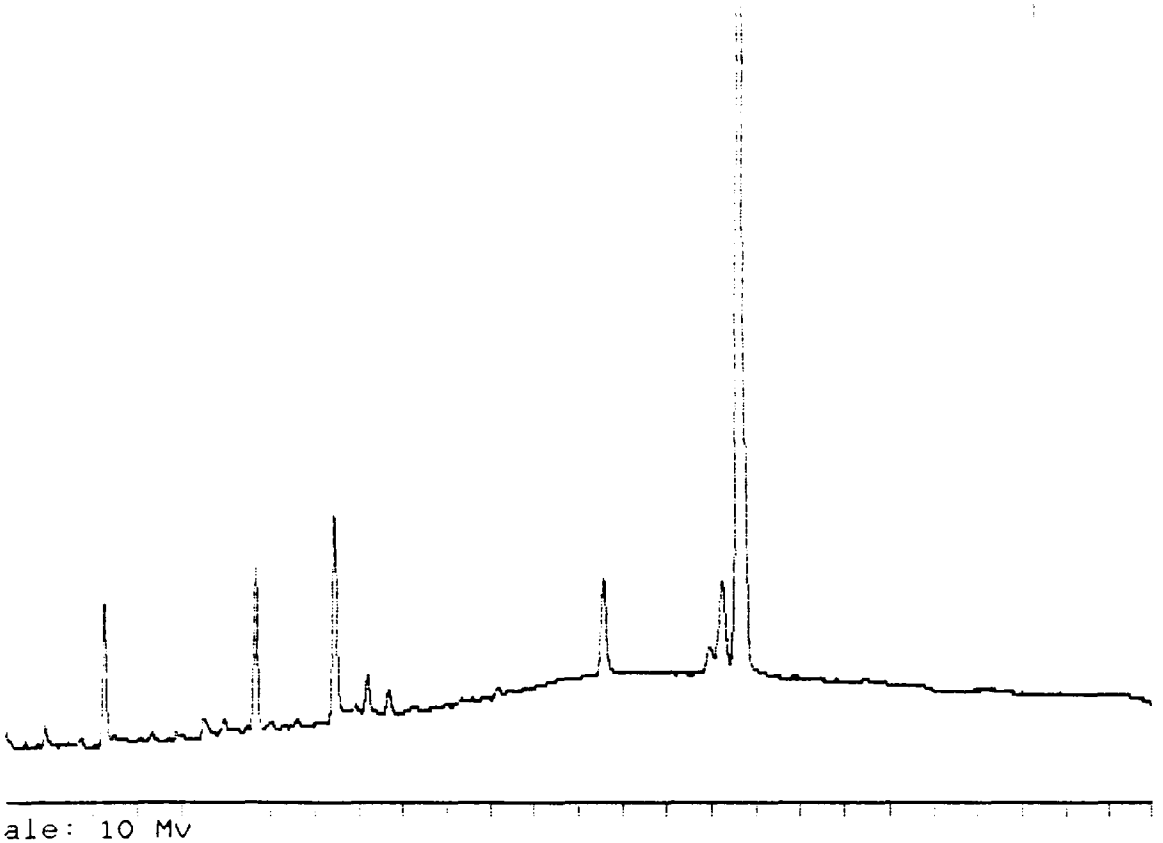


:0 Min Scale: 10 Mv
Su-36 Processed: 12-10-1991 07:10:01, segment 10, cycle 10
RAW DATA SAVED IN FILE D:RE110.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 07:11:34 Version 5.1 **********
* Sample Name: SD-36 Data File: D:RE110 *
* Date: 12-10-1991 12:42:36 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 10 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	4.150		0.0553	3.1035%	553	156	3.6	1			1.0000E-04
	4.920		0.1074	6.0278%	1074	255	4.2	1			1.0000E-04
3	6.257		0.0809	4.5410%	809	194	4.2	1			1.0000E-04
4	8.580		0.2478	13.9069%	2478	369	6.7	1			1.0000E-04
5	9.660		0.3634	20.3961%	3634	630	5.8	1			1.0000E-04
6	17.573		0.4848	27.2098%	4848	694	7.0	1			1.0000E-04
7	20.223		0.0978	5.4918%	978	128	7.6	1			1.0000E-04



4-30 Min Scale: 10 Mv
SW-6 Processed: 12-10-1991 07:46:42, segment 11, cycle 11
RAW DATA SAVED IN FILE D:RE111.PTS

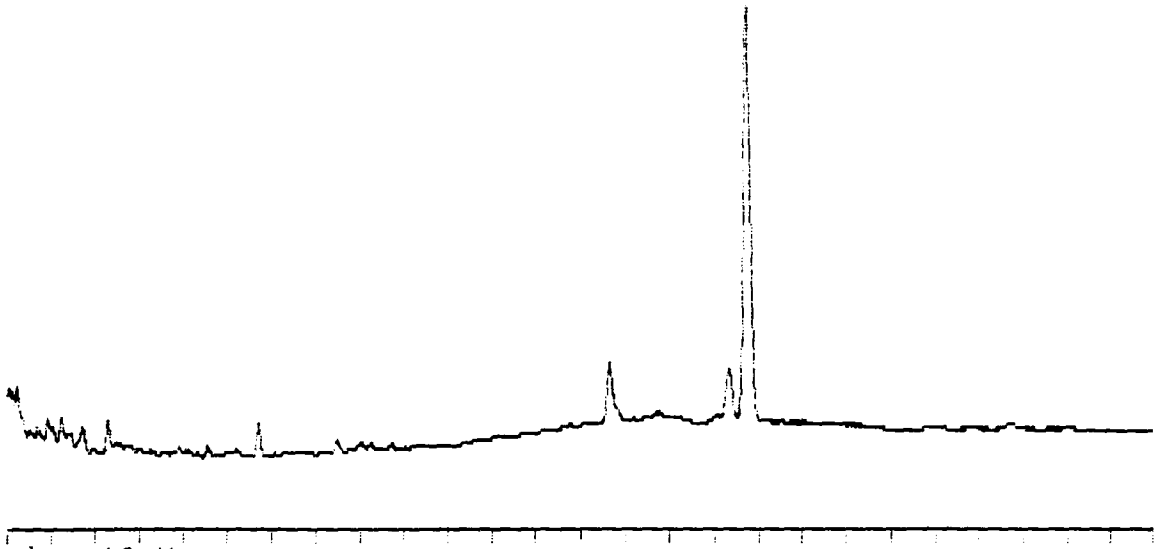
***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 07:48:15 Version 5.1 **********
* Sample Name: SW-6 Data File: D:RE111 *
Date: 12-10-1991 13:55:57 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 11 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.910		0.0194	0.3635%	194	74	2.6 1			1.0000E-04
2	6.260		0.7949	14.9119%	7949	1501	5.3 1			1.0000E-04
3	8.520		0.0192	0.3602%	192	50	3.9 1			1.0000E-04
4	9.670		1.0182	19.0999%	10182	1725	5.9 1			1.0000E-04
5	11.453		1.4085	26.4223%	14086	2155	6.5 1			1.0000E-04
6	12.207		0.2151	4.0357%	2151	376	5.7 1			1.0000E-04
7	12.680		0.0231	0.4326%	231	59	3.9 1			1.0000E-04
8	17.587		0.7237	13.5755%	7237	979	7.4 1			1.0000E-04
	20.243		0.7535	14.1338%	7535	838	9.0 1			1.0000E-04
10	20.663	DBC	0.3553	6.6647%	90003	8650	10.4 1	10	0	3.9475E-06

TOTAL AMOUNT = 5.3309



4-30 Min Scale: 10 Mv
SD-7 Processed: 12-10-1991 08:23:06, segment 12, cycle 12
RAW DATA SAVED IN FILE D:RE112.PTS

EXTERNAL STANDARD TABLE

12-10-1991 08:24:52 Version 5.1

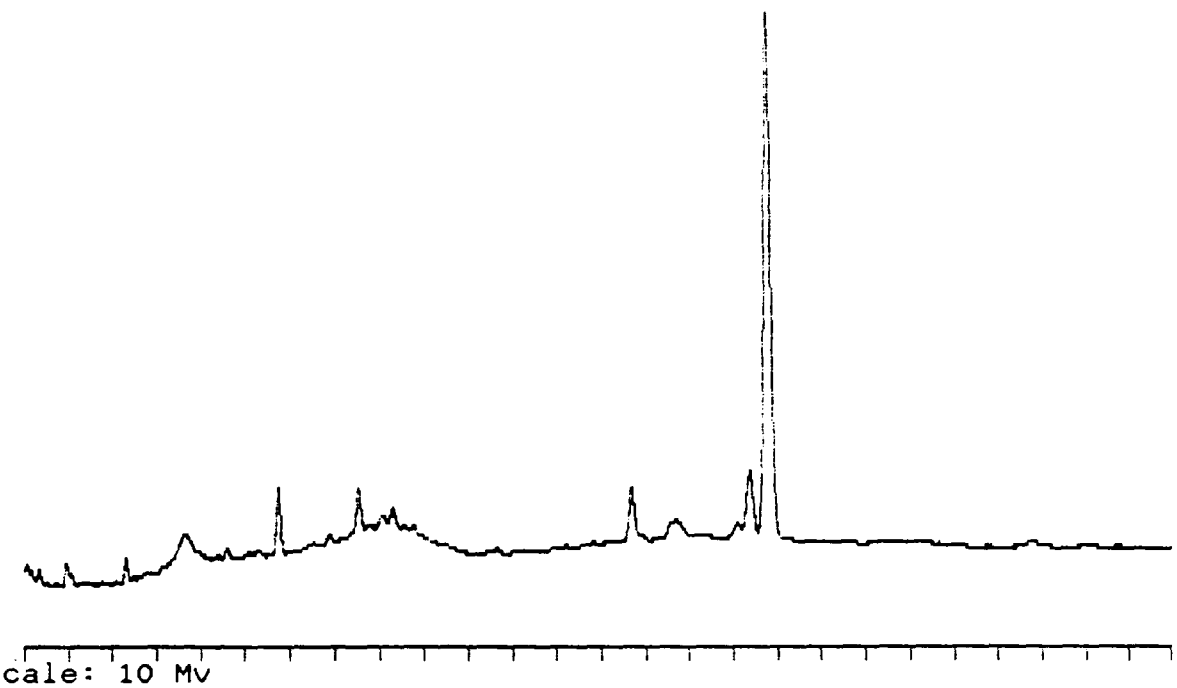
Sample Name: SD-7 Data File: D:RE112
Date: 12-10-1991 15:08:49 Method: PCB 12-04-1991 09:01:32 # 23
Interface: 16 Cycle#: 12 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.053		0.0114	1.4575%	114	59	1.9	1			1.0000E-04
2	4.240		0.1120	14.3166%	1120	254	4.4	1			1.0000E-04
3	4.947		0.0209	2.6669%	209	71	3.0	1			1.0000E-04
4	5.257		0.0253	3.2346%	253	63	4.0	1			1.0000E-04
5	5.720		0.0178	2.2808%	178	46	3.9	1			1.0000E-04
6	6.300		0.1240	15.8508%	1240	276	4.5	1			1.0000E-04
7	9.723		0.1650	21.0901%	1650	309	5.3	1			1.0000E-04
	17.663		0.0556	7.1110%	556	107	5.2	1			1.0000E-04
9	20.340		0.0526	6.7223%	526	72	7.3	1			1.0000E-04
10	20.760	DBC	0.1976	25.2693%	46438	4519	10.3	1	10	0	4.2562E-06

TOTAL AMOUNT = 0.7822

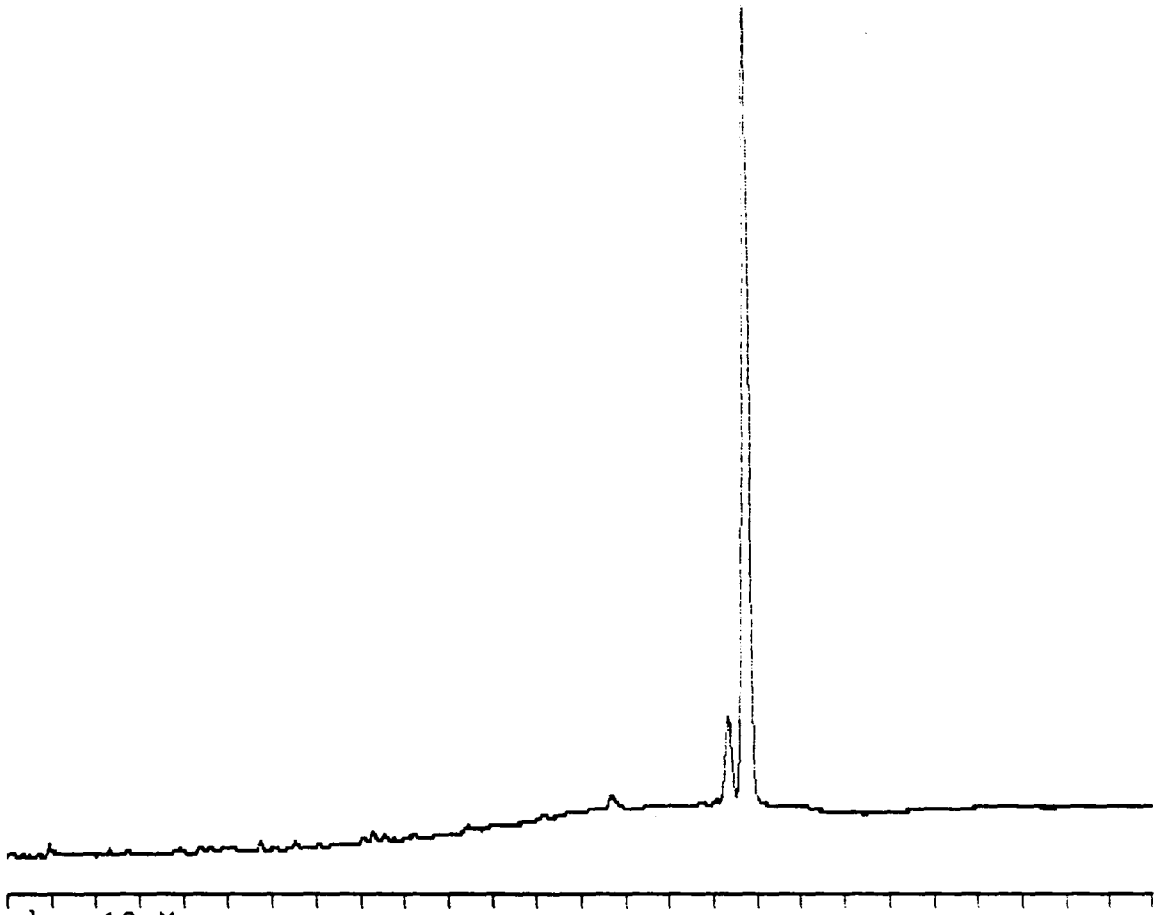


-30 Min Scale: 10 MV
7D Processed: 12-10-1991 08:59:27, segment 1, cycle 13
RAW DATA SAVED IN FILE D:RE113.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 09:01:01 Version 5.1 **********
* Sample Name: SD-7D Data File: D:RE113 *
* Date: 12-10-1991 16:21:29 Method: PCB 12-04-1991 09:01:32 # 23 *
* Interface: 16 Cycle#: 13 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.960		0.0205	1.4234%	206	72	2.8	1			1.0000E-04
	6.320		0.0906	6.2768%	906	208	4.4	1			1.0000E-04
	9.757		0.4050	28.0495%	4050	695	5.8	1			1.0000E-04
4	11.550		0.2535	17.5572%	2535	434	5.8	1			1.0000E-04
5	17.690		0.3632	25.1563%	3632	501	7.2	1			1.0000E-04
6	20.373		0.0681	4.7197%	681	107	6.4	1			1.0000E-04
7	20.800	DBC	0.2428	16.8171%	58915	5683	10.4	1	7	0	4.1211E-06



0 Min Scale: 10 Mv

MTBLKh20-1 Processed: 12-10-1991 09:35:53, segment 2, cycle 14

RAW DATA SAVED IN FILE D:RE114.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 09:37:23 Version 5.1 **********

* Sample Name: MTBLKh20-12/4 Data File: D:RE114 *

* Date: 12-10-1991 17:34:19 Method: PCB 12-04-1991 09:01:32 # 23 *

* Interface: 16 Cycle#: 14 Operator DE Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

****

* Instrument Type: TRACOR 540 Column Type: SPB-5 *

* Solvent Description: *

* Conditions: pro #2 *

* Detector 0: Detector 1: FID *

* Misc. Information: 9 cc/min He *

****

Starting Delay: 4.00 Ending retention time: 30.00

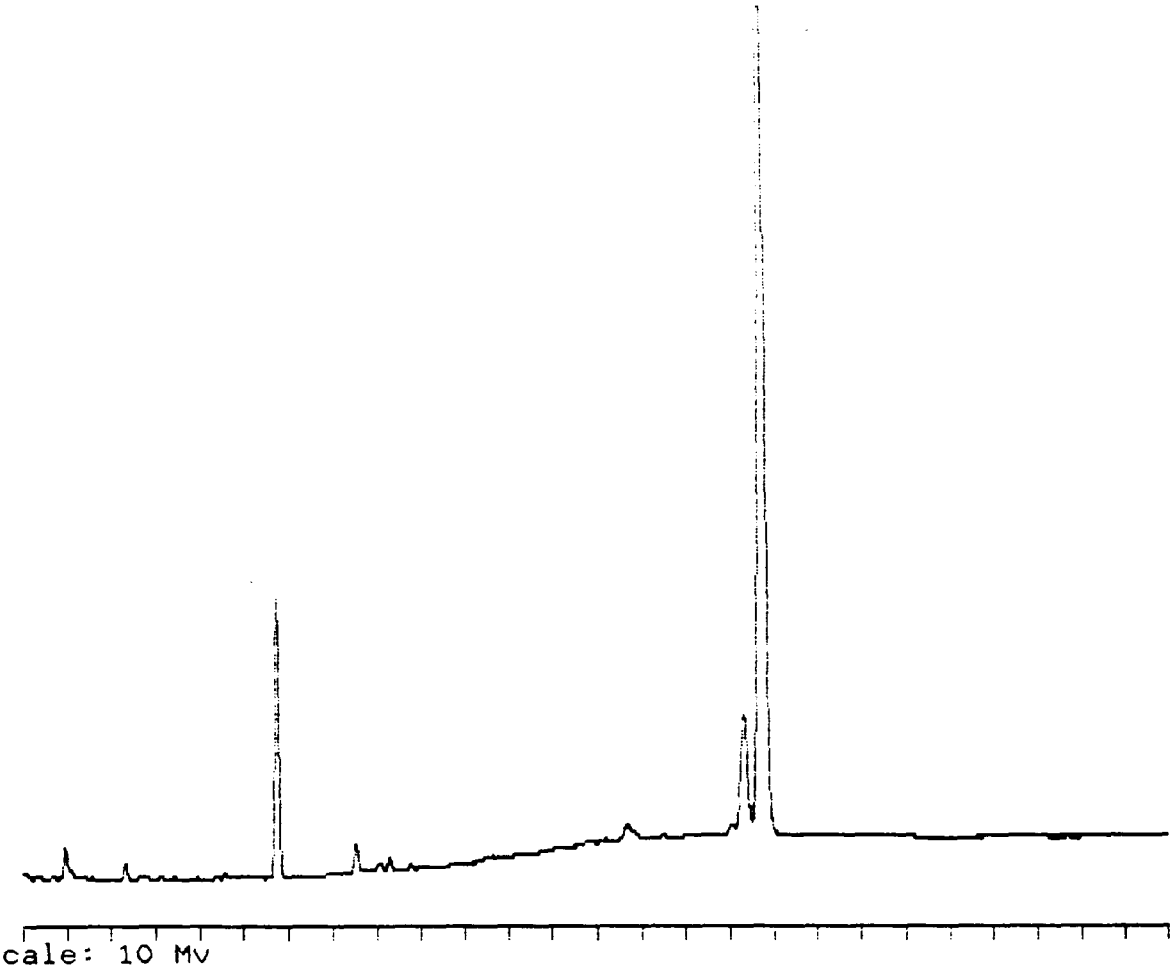
Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	20.343		0.8350	70.3071%	8350	870	9.6	2			1.0000E-04
	20.767	OBC	0.3526	29.6929%	89271	8602	10.4	2	2	0	3.9502E-06

TOTAL AMOUNT = 1.1876



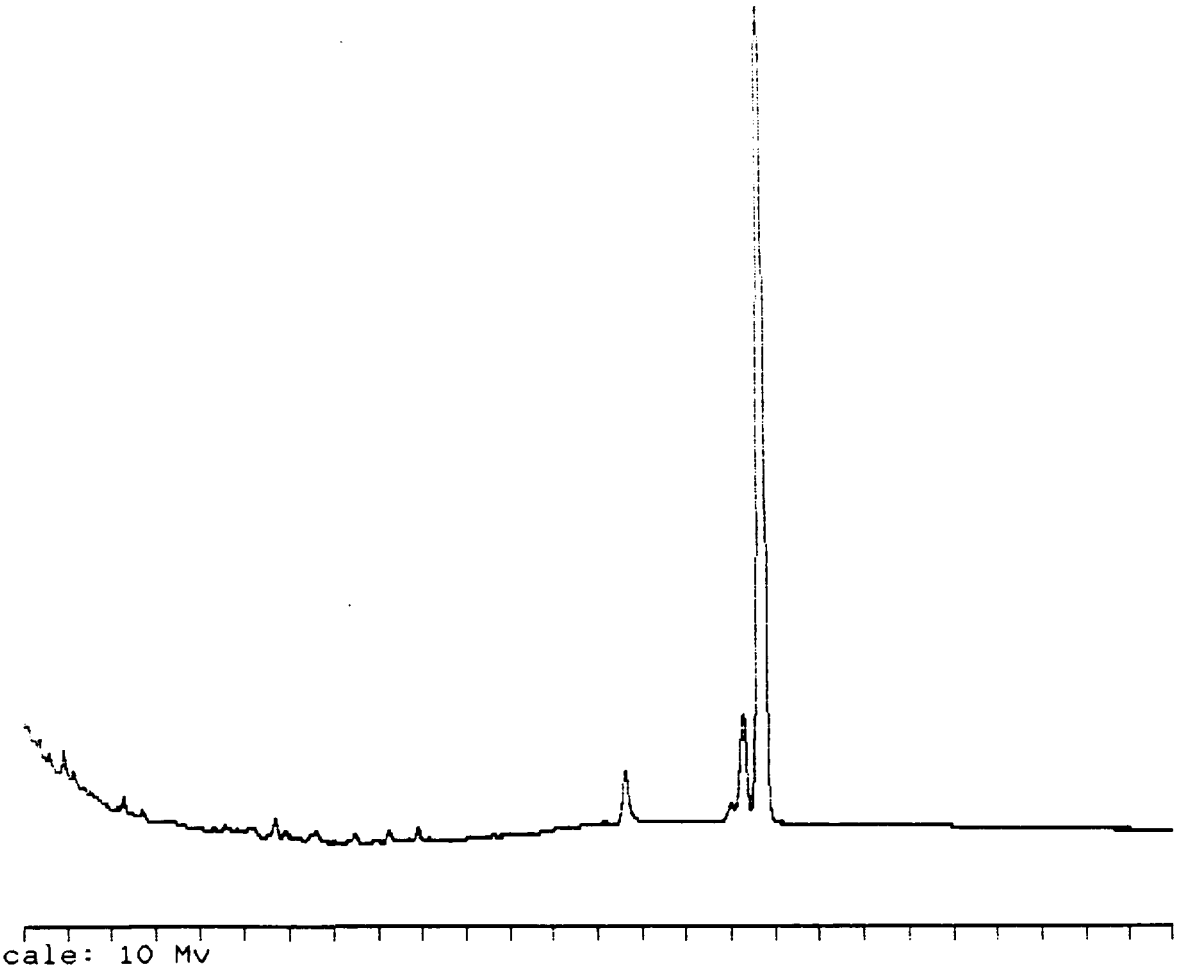
30 Min Scale: 10 MV
MTBLKS-12/ Processed: 12-10-1991 10:28:52, segment 3, cycle 15
RAW DATA SAVED IN FILE D:RE115.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 10:30:25 Version 5.1 **********
* Sample Name: MTBLKS-12/4 Data File: D:RE115 *
* Date: 12-10-1991 19:02:32 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 15 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	4.967		0.1080	3.0755%	1080	259	4.2	1			1.0000E-04
	6.317		0.0128	0.3652%	128	49	2.6	1			1.0000E-04
3	9.743		1.7665	50.3191%	17665	2986	5.9	1			1.0000E-04
4	11.533		0.0245	0.6979%	245	62	4.0	1			1.0000E-04
5	20.320		1.1808	33.6359%	11808	1215	9.7	2			1.0000E-04
6	20.740	OBC	0.4180	11.9065%	107334	10285	10.4	2	6	0	3.8944E-06



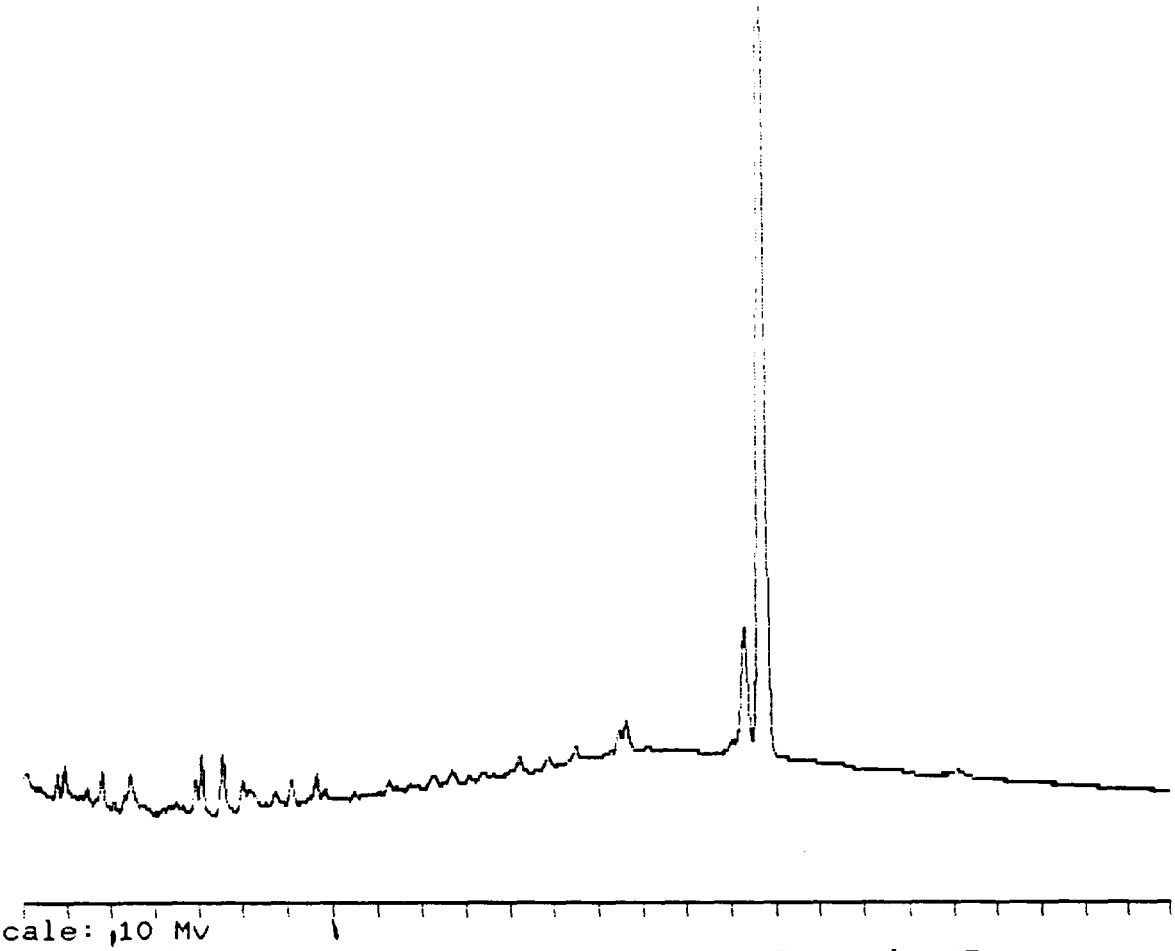
0 Min Scale: 10 Mv
SW-10 Processed: 12-10-1991 10:47:34, segment 4, cycle 16
RAW DATA SAVED IN FILE D:RE116.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 10:49:07 Version 5.1 **********
* Sample Name: SW-10 Data File: D:RE116 *
* Date: 12-10-1991 19:57:42 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 16 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	4.930		0.0865	5.6710%	865	222	3.9	1			1.0000E-04
	17.633		0.0447	2.9292%	447	85	5.3	1			1.0000E-04
3	20.283		0.9998	65.5333%	9998	1068	9.4	2			1.0000E-04
4	20.703	08C	0.3946	25.8664%	100876	9662	10.4	2	4	0	3.9120E-06

TOTAL AMOUNT = 1.5256



4-30 Min Scale: 10 Mv
SW-14 Processed: 12-10-1991 11:24:06, segment 5, cycle 17
RAW DATA SAVED IN FILE D:RE117.PTS

**** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 11:25:41 Version 5.1 **********
* Sample Name: SW-14 Data File: D:RE117 *
* Date: 12-10-1991 21:10:44 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 17 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
9	8.547		0.3146	11.4533%	3146	564	5.6	1			1.0000E-04
10	8.990		0.0279	1.0156%	279	73	3.8	1			1.0000E-04
11	10.080		0.0200	0.7281%	200	60	3.4	1			1.0000E-04
12	10.640		0.0262	0.9530%	262	61	4.3	1			1.0000E-04
	17.473		0.0194	0.7077%	194	49	4.0	1			1.0000E-04
..	17.637		0.0193	0.7037%	193	50	3.8	1			1.0000E-04
15	20.300		1.1814	43.0061%	11814	1239	9.5	2			1.0000E-04
16	20.717	DBC	0.4272	15.5499%	109867	10472	10.5	2	16	0	3.8880E-06

TOTAL AMOUNT = 2.7471

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #6					
51	1221, 1260	PCB	RE118	12/10/91 12:02:16	RERUN AT #57
52*	1254	PCB	RE119	12/10/91 12:38:46	
53*	1248	PCB	RE120	12/10/91 13:15:25	
54*	1242	PCB	RE121	12/10/91 13:52:27	
55*	1232	PCB	RE1122	12/10/91 14:29:28	
56*	1016	PCB	RE123	12/10/91 15:06:09	
57*	1221, 1260 RERUN	PCB	RE1241	12/10/91 16:33:01	
58	MTD BLK H_2O 12/6	PCB	RE1252	12/10/91 17:09:37	
59	MTD BLK SOIL 12/6	PCB	RE1263	12/10/91 17:42:32	
60	SD-10	PCB	RE1264	12/10/91 18:50:35	
61*	SD-14	PCB	RE1265	12/10/91 19:25:59	
62	SD-12	PCB	RE1266	12/10/91 20:58:14	
63	SW-12	PCB	RE1267	12/10/91 21:58:14	Poor injection volume; rerun at #148

* = Samples used for Quantitative Analysis.

H182:7

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE (CONTINUED)

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #6 (CONTINUED)					
64	SW-13	PCB	RE1268	12/10/91 21:34:57	
65	SW-13 MS	PCB	RE1269	12/10/91 22:11:41	Spike; 1ml of 10 ppm 1254
66*	SW-04	PCB	RE12610	12/10/91 22:48:05	
67*	SW-04 D	PCB	RE12611	12/10/91 23:24:42	
68	SD-13	PCB	RE12612	12/11/91 00:01:20	
69	SD-13 MS	PCB	RE12613	12/11/91 00:37:59	Spike; 1ml of 10 ppm 1254
70	MTD BLK Soil	PCB	RE12614	12/11/91 01:14:46	
71	MTD BLK H_2O 12/7	PCB	RE12615	12/11/91 01:51:38	
72*	SW-2	PCB	RE12616	12/11/91 02:28:21	500ul - 1ml
73	MTD BLK H_2O	PCB	RE12617	12/11/91 03:05:09	
74	SD-5	PCB	RE12618	12/11/91 03:40:22	100ul - 1ml
75	MTD BLK Soil	PCB	RE12619	12/11/91 04:18:49	
77	SD-35	PCB	RE12620	12/11/91 04:55:43	100ul - 1ml

* = Samples used for Quantitative Analysis.

H182:8

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE (CONTINUED)

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #6 (CONTINUED)					
78	MTD BLK Soil	PCB	RE12621	12/11/91 05:32:39	
79	SW-5	PCB	RE12622	12/11/91 06:09:31	
80	MTD BLK H_2O	PCB	RE12623	12/11/91 06:46:03	
81	SW-35	PCB	RE12624	12/11/91 07:22:27	
82	MTD-BLK H_2O	PCB	RE12625	12/11/91 07:58:57	
83*	SD-2	PCB	RE12626	12/11/92 08:35:17	
84	MTD BLK Soil	PCB	RE12627	12/11/91 09:09:31	

* = Samples used for Quantitative Analysis.

H182:9

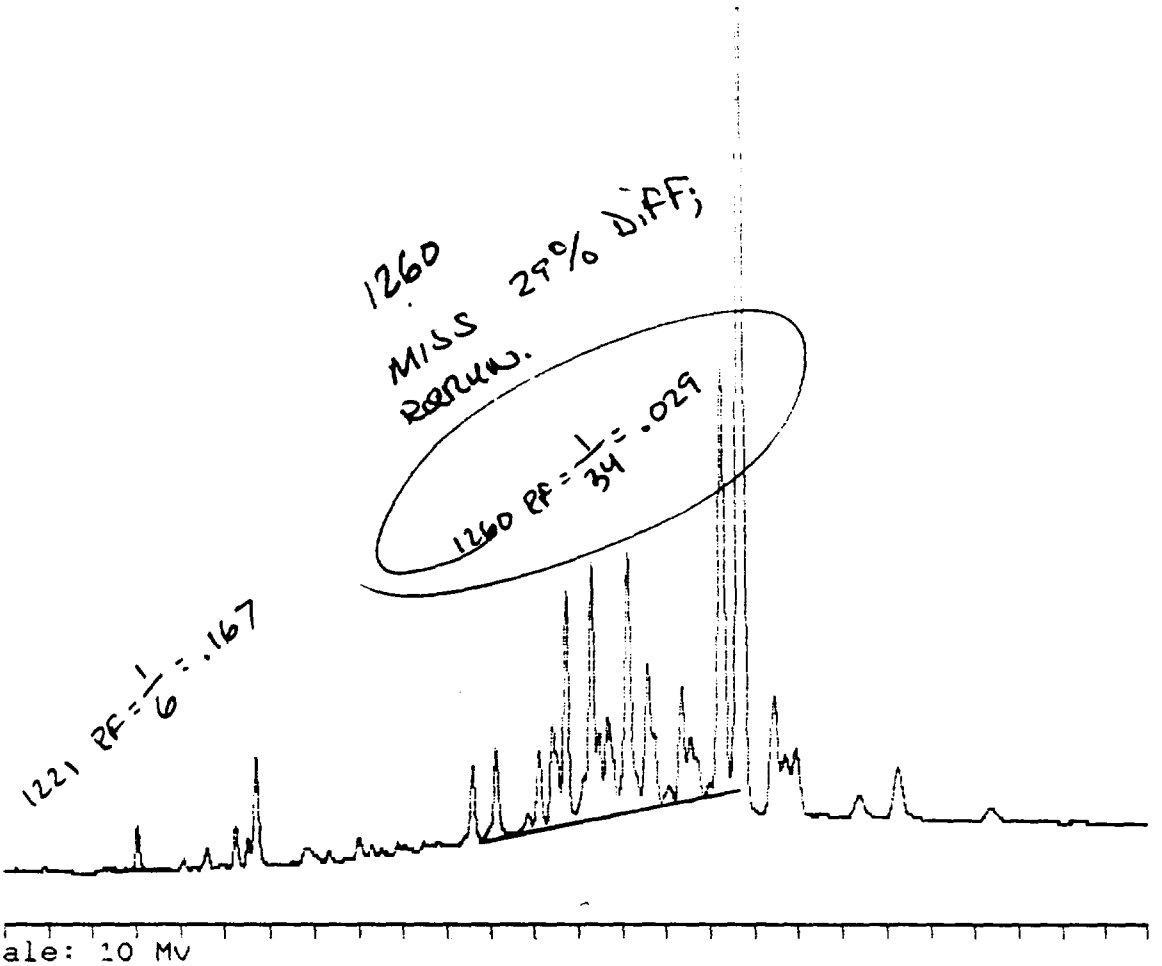
PESTICIDE AND PCB DAILY STANDARD CHECK

Calibration Dates: 12/04/91 Check Standard Date: 12/10/91

Instrument I.D.: GC B Analyst: ML #6

Compound	Calibration Avg. rf	Check Standard rf	% Difference
alpha-BHC			
gamma-BHC			
beta-BHC			
delta-BHC			
Heptachlor			
Aldrin			
Heptachlor epoxide			
Endosulfan I			
4-4'-DDE			
Dieldrin			
Endrin			
4-4'-DDD			
Endosulfan II			
4-4'-DDT			
Endrin Aldehyde			
Endosulfan Sulfate			
Methoxychlor			
DBC			
Toxaphene			
Chlordane			
Aroclor-1016 RT 10.89	.062	.063	1.6
Aroclor-1221 RT 7.14	.176	.167	5.1
Aroclor-1232 RT 9.78	.133	.125	6.0
Aroclor-1242 RT 10.82	.075	.071	5.3
Aroclor-1248 RT 12.05	.066	.057	13.6
Aroclor-1254 RT 15.04	.037	.034	8.1
Aroclor-1260 RT 18.23	.041	.038	7.3

% Difference must be <15 for EPA Methods 608 and SW-846 8080



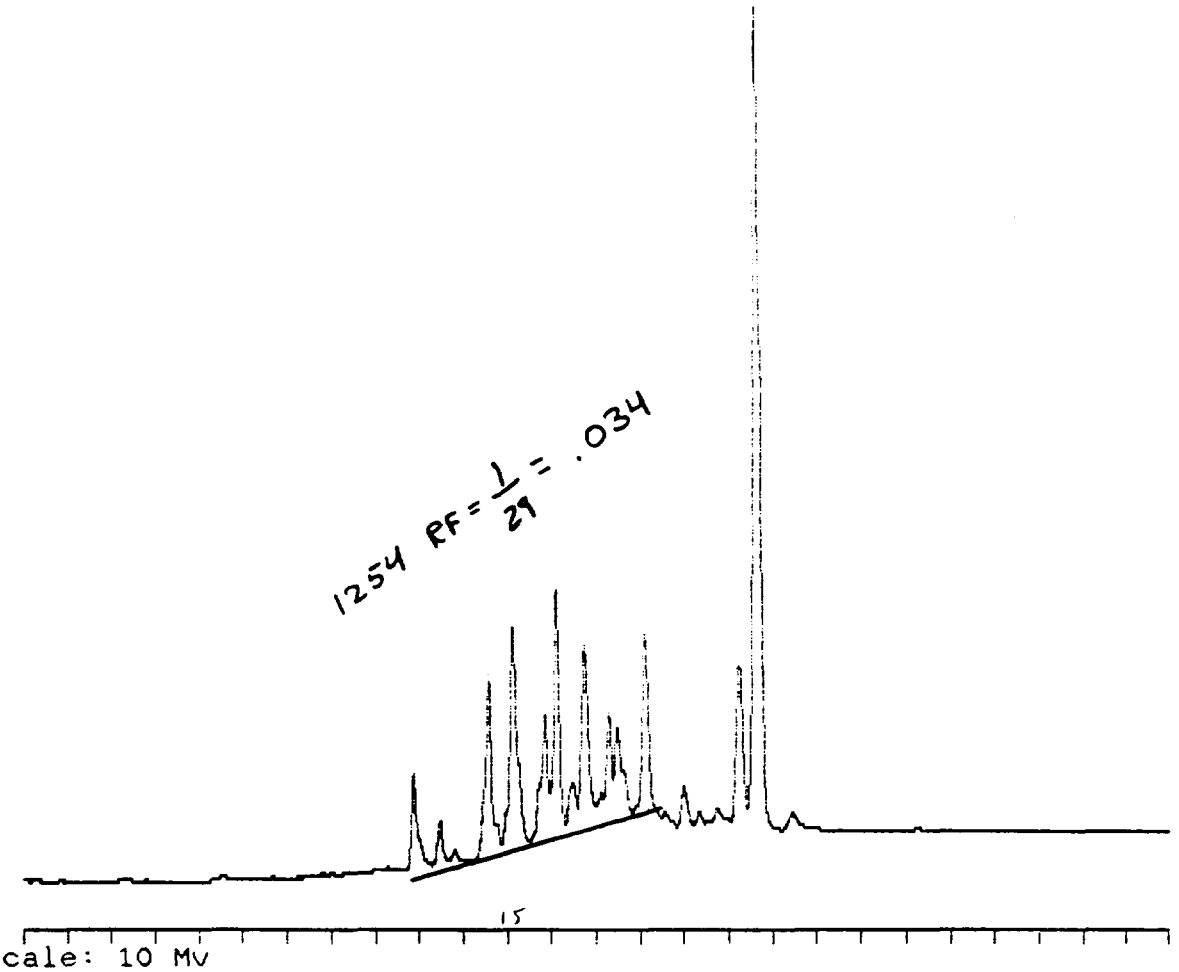
30 Min Scale: 10 MV
1221/1260- Processed: 12-10-1991 12:00:41, segment 6, cycle 18
RAW DATA SAVED IN FILE D:RE118.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 12:02:16 Version 5.1 **********
* Sample Name: 1221/1260-12-10 Data File: D:RE118 *
* Date: 12-10-1991 22:23:55 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 18 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	7.030		0.2300	1.3675%	2300	426	5.4	1			1.0000E-04
	9.240		0.2225	1.3229%	2225	385	5.8	1			1.0000E-04
3	9.517		0.0301	0.1792%	301	80	3.8	1			1.0000E-04
4	9.690		0.6583	3.9144%	6583	1049	6.3	1			1.0000E-04
5	14.597		0.4561	2.7118%	4561	726	6.3	1			1.0000E-04
6	15.133		0.5515	3.2792%	5515	828	6.7	1			1.0000E-04
7	16.117		0.5176	3.0778%	5176	752	6.9	1			1.0000E-04



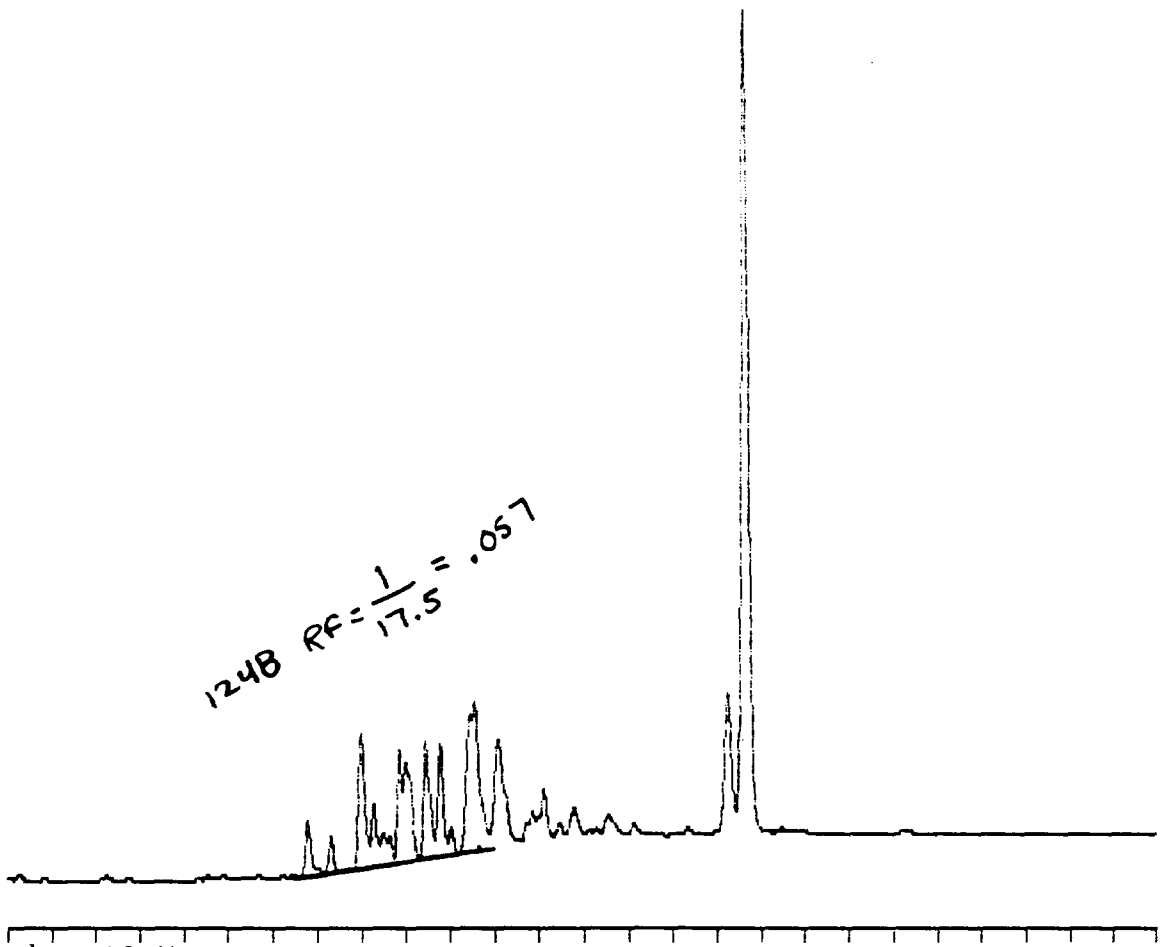
30 Min Scale: 10 Mv
1254-12/10 Processed: 12-10-1991 12:37:13, segment 7, cycle 19
RAW DATA SAVED IN FILE D:RE119.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 12:38:46 Version 5.1 **********
* Sample Name: 1254-12/10 Data File: D:RE119 *
* Date: 12-10-1991 23:37:01 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 19 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	12.873		0.4947	3.8326%	4947	821	6.0	1			1.0000E-04
	13.467		0.2438	1.8892%	2438	402	6.1	1			1.0000E-04
3	14.587		1.4606	11.3161%	14606	1739	8.4	1			1.0000E-04
4	14.983		0.0513	0.3978%	513	113	4.6	2			1.0000E-04
5	15.140		1.1800	9.1425%	11800	1762	6.7	2			1.0000E-04
6	15.740		0.2304	1.7849%	2304	504	4.6	2			1.0000E-04
7	15.863		0.9604	7.4406%	9604	1242	7.7	2			1.0000E-04



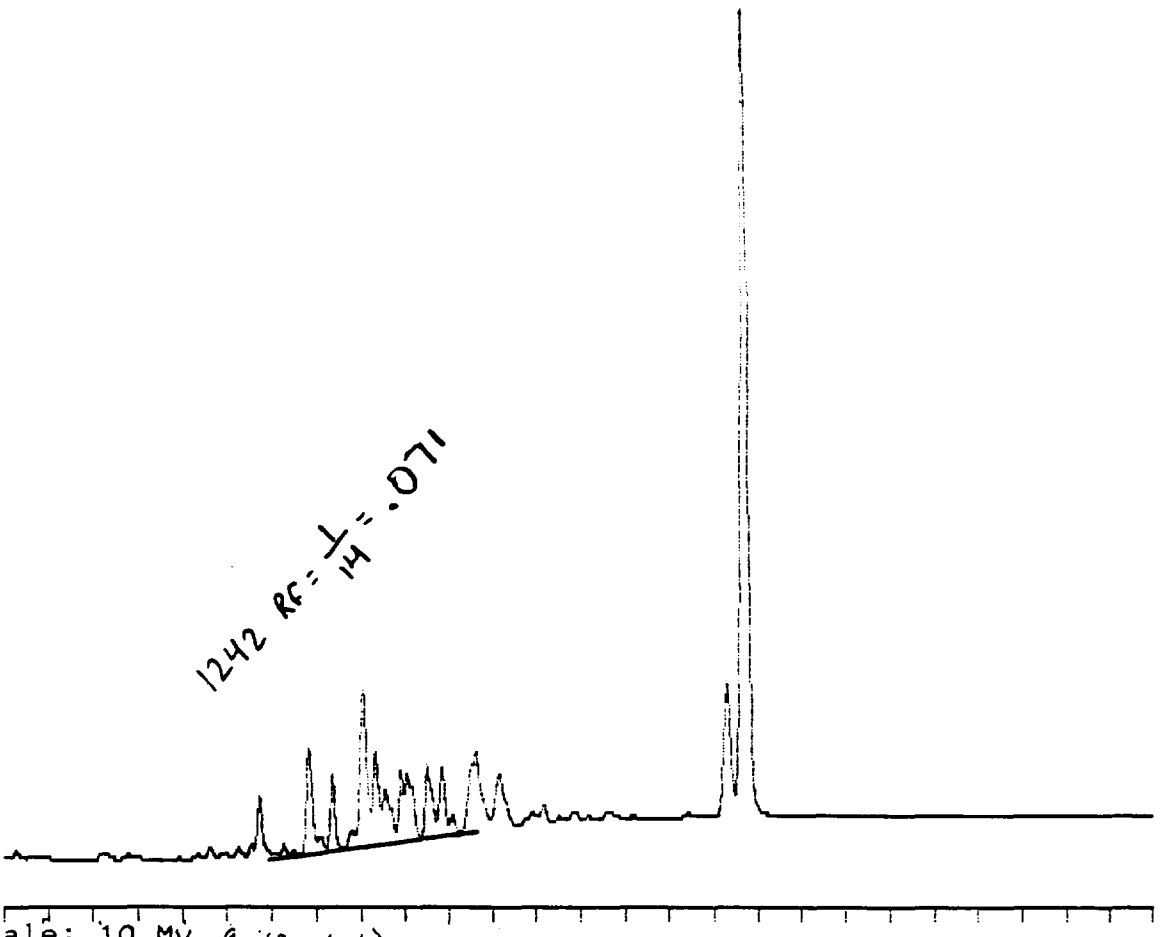
30 Min Scale: 10 Mv
1248-12/10 Processed: 12-10-1991 13:13:52, segment 8, cycle 20
RAW DATA SAVED IN FILE D:RE120.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 13:15:25 Version 5.1 **********
* Sample Name: 1248-12/10 Data File: D:RE120 *
* Date: 12-11-1991 00:50:18 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 20 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	10.783		0.0484	0.6213%	484	106	4.6	1			1.0000E-04
	11.310		0.0330	0.4237%	330	88	3.8	1			1.0000E-04
3	12.010		1.2714	16.3338%	12714	1375	9.2	2			1.0000E-04
4	12.290		0.2681	3.4449%	2681	442	6.1	2			1.0000E-04
5	12.867		0.3934	5.0542%	3934	743	5.3	2			1.0000E-04
6	13.003		0.0336	0.4323%	336	102	3.3	2			1.0000E-04
7	13.460		1.1066	14.2168%	11066	1195	9.3	2			1.0000E-04



30 Min Scale: 10 MV 9 10 11 12
1242-12/10 Processed: 12-10-1991 13:50:54, segment 9, cycle 21
End of sequence file reached at cycle 21
RAW DATA SAVED IN FILE D:RE121.PTS

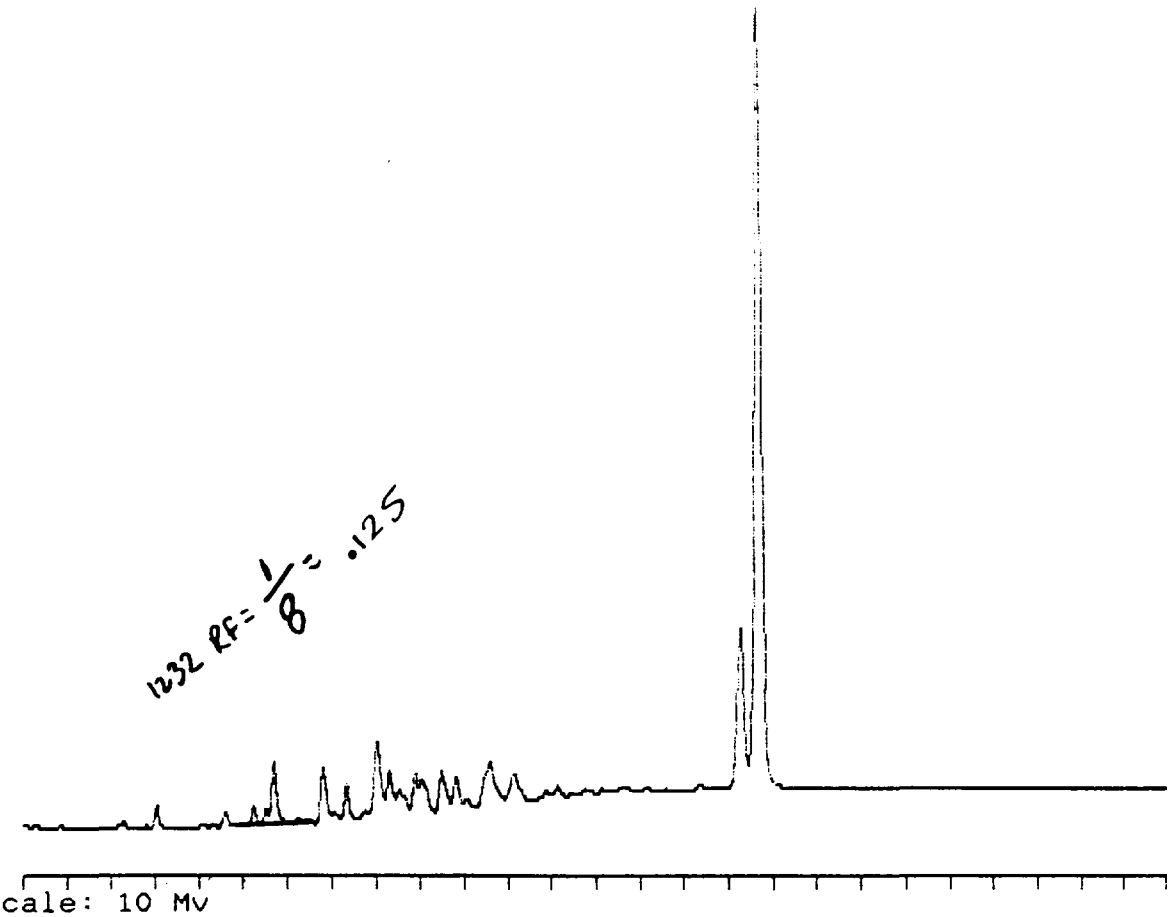
EXTERNAL STANDARD TABLE

12-10-1991 13:52:27 Version 5.1

* Sample Name: 1242-12/10 Data File: D:RE121
* Date: 12-11-1991 02:04:23 Method: PCB 12-10-1991 10:26:32 # 24
* Interface: 16 Cycle#: 21 Operator DE Channel#: 0 Vial#: N.A.
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
* Instrument Type: TRACOR 540 Column Type: SPB-5
* Solvent Description:
* Conditions: pro #2
* Detector 0: Detector 1: FID
* Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	9.717		0.3191	5.2127%	3191	518	6.2 1			1.0000E-04
2	10.830		0.8586	14.0264%	8586	1034	8.3 1			1.0000E-04
3	11.360		0.4759	7.7740%	4759	746	6.4 1			1.0000E-04
4	12.053		1.3856	22.6365%	13856	1510	9.2 2			1.0000E-04
5	12.333		0.4271	6.9778%	4271	664	6.4 2			1.0000E-04
6	12.553		0.0207	0.3375%	207	54	3.8 1			1.0000E-04



30 Min Scale: 10 Mv

~~1242~~-12/10 Processed: 12-10-1991 14:27:55, segment 10, cycle 22
End of sequence file reached at cycle 22
RAW DATA SAVED IN FILE D:RE122.PTS

***** EXTERNAL STANDARD TABLE *****

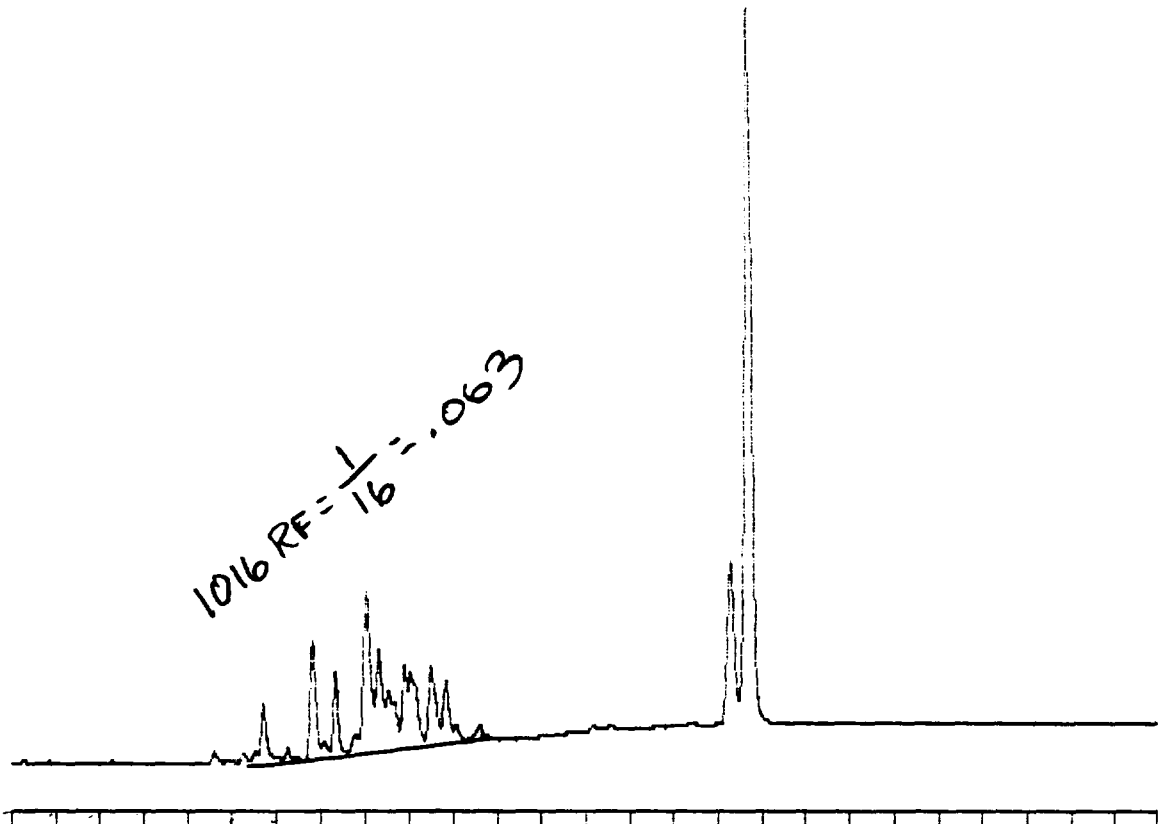
********** 12-10-1991 14:29:28 Version 5.1 **********

* Sample Name: 1242-12/10 Data File: D:RE122 *
* Date: 12-11-1991 03:18:26 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 22 Operator DE Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	7.030		0.0198	0.7235%	198	63	3.1	1			1.0000E-04
2	9.697		0.3468	12.6546%	3468	546	6.3	1			1.0000E-04
3	10.797		0.0591	2.1567%	591	138	4.3	1			1.0000E-04
4	11.330		0.0312	1.1391%	312	76	4.1	1			1.0000E-04
5	12.030		0.0796	2.9042%	796	105	7.6	1			1.0000E-04
6	12.307		0.0273	0.9968%	273	74	3.7	1			1.0000E-04
7	12.990		0.0368	1.3424%	368	88	4.2	1			1.0000E-04



12/10/91
1016 M.L

30 Min Scale: 10 Mv

~~1242~~ 12/10 Processed: 12-10-1991 15:04:37, segment 11, cycle 23
End of sequence file reached at cycle 23
RAW DATA SAVED IN FILE D:RE123.PTS

EXTERNAL STANDARD TABLE

12-10-1991 15:06:09 Version 5.1

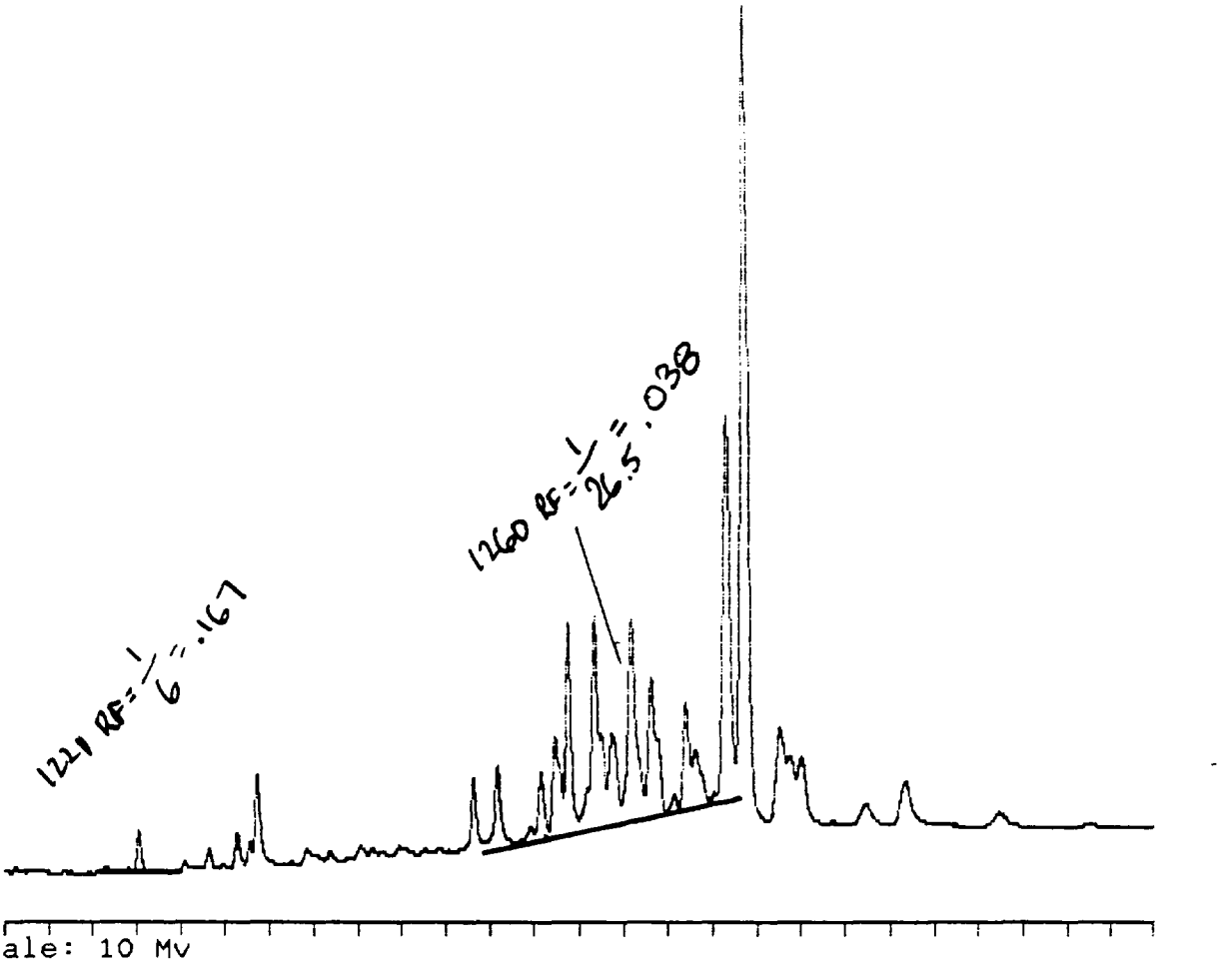
Sample Name: 1242-12/10 Data File: D:RE123
Date: 12-11-1991 04:31:50 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 23 Operator DE Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	9.713		0.2991	4.4588%	2991	483	6.2	1			1.0000E-04
2	10.823		1.0026	14.9475%	10026	1187	8.4	1			1.0000E-04
3	11.350		0.5386	8.0294%	5386	824	6.5	1			1.0000E-04
4	12.053		1.4296	21.3137%	14296	1487	9.6	2			1.0000E-04
5	12.330		0.4429	6.6027%	4429	655	6.8	2			1.0000E-04
6	12.903		0.2354	3.5096%	2354	455	5.2	2			1.0000E-04

SEQUENCE RECORDED IN D:RERUN.SEQ
SEQUENCE RECORDED IN D:RERUN.SEQ



4-30 Min Scale: 10 Mv
1221,1260 Processed: 12-10-1991 16:31:13, segment 1, cycle 1
RAW DATA SAVED IN FILE D:RE1241.PTS

EXTERNAL STANDARD TABLE

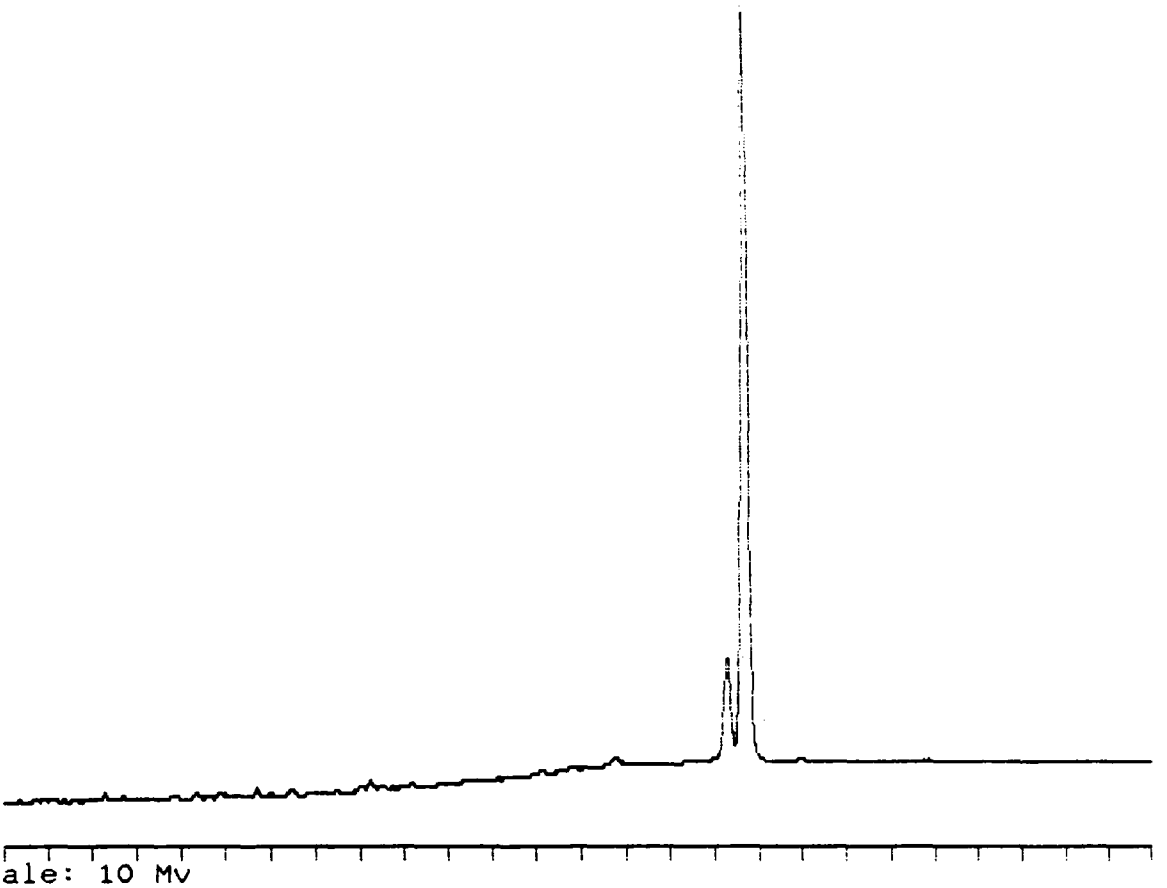
12-10-1991 16:33:01 Version 5.1

Sample Name: 1221,1260 Data File: D:RE1241
Date: 12-10-1991 16:44:43 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 1 Operator ML Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK #	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.040		0.0329	0.2559%	329	93	3.5 1			1.0000E-04
2	9.267		0.0352	0.2738%	352	85	4.1 1			1.0000E-04
3	9.547		0.0264	0.2057%	264	70	3.8 1			1.0000E-04
4	9.723		0.5446	4.2373%	5446	810	6.7 1			1.0000E-04
5	14.640		0.4222	3.2847%	4222	650	6.5 1			1.0000E-04



0 Min Scale: 10 Mv
MBH20 Processed: 12-10-1991 17:08:06, segment 2, cycle 2
RAW DATA SAVED IN FILE D:RE1252.PTS

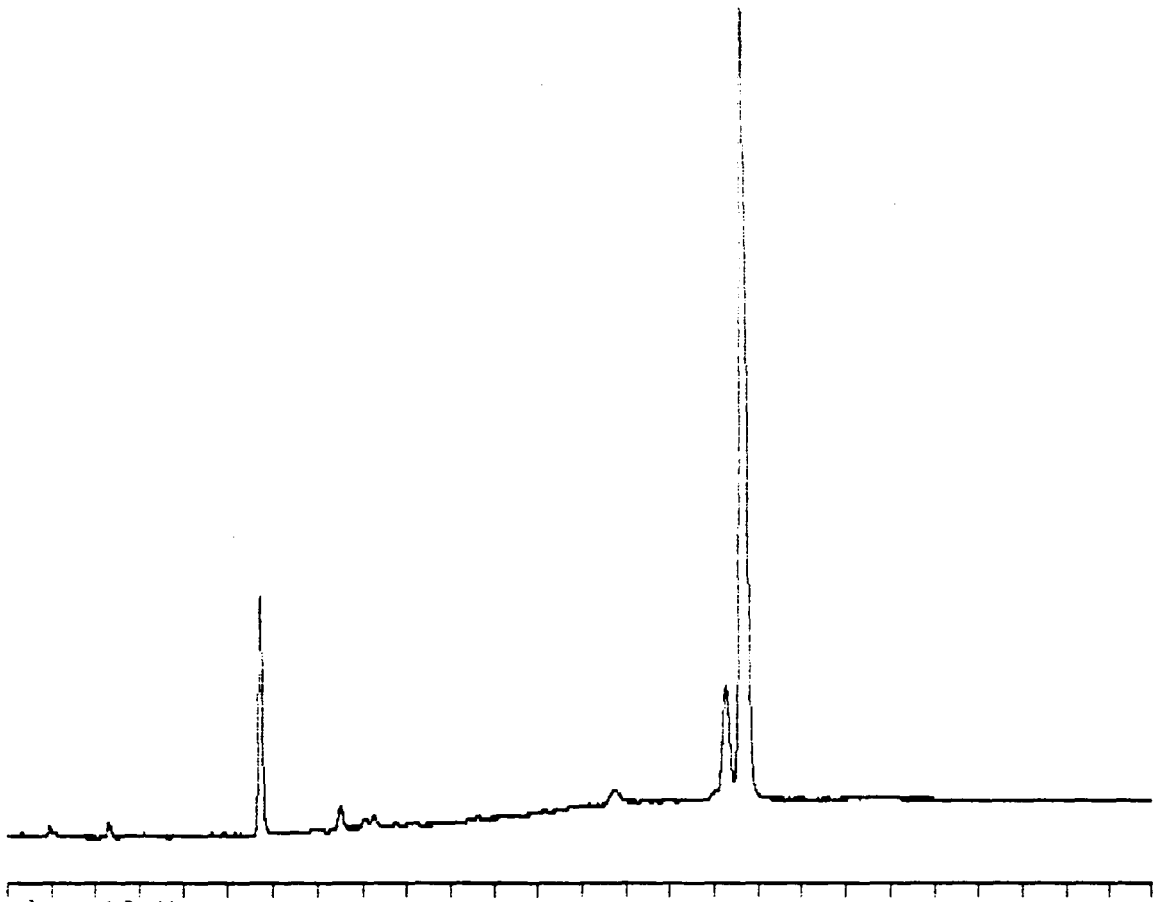
***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 17:09:37 Version 5.1 **********
* Sample Name: MBH20 Data File: D:RE1252 *
* Date: 12-10-1991 17:58:32 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 2 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	20.280		0.0973	22.5816%	973	149	6.5	1			1.0000E-04
	20.693	DBC	0.3336	77.4184%	84005	8008	10.5	1	2	0	3.9710E-06

TOTAL AMOUNT = 0.4309



30 Min Scale: 10 Mv
MBSOIL Processed: 12-10-1991 17:44:52, segment 3, cycle 3
End of sequence file reached at cycle 3
RAW DATA SAVED IN FILE D:RE1263.PTS

***** EXTERNAL STANDARD TABLE *****

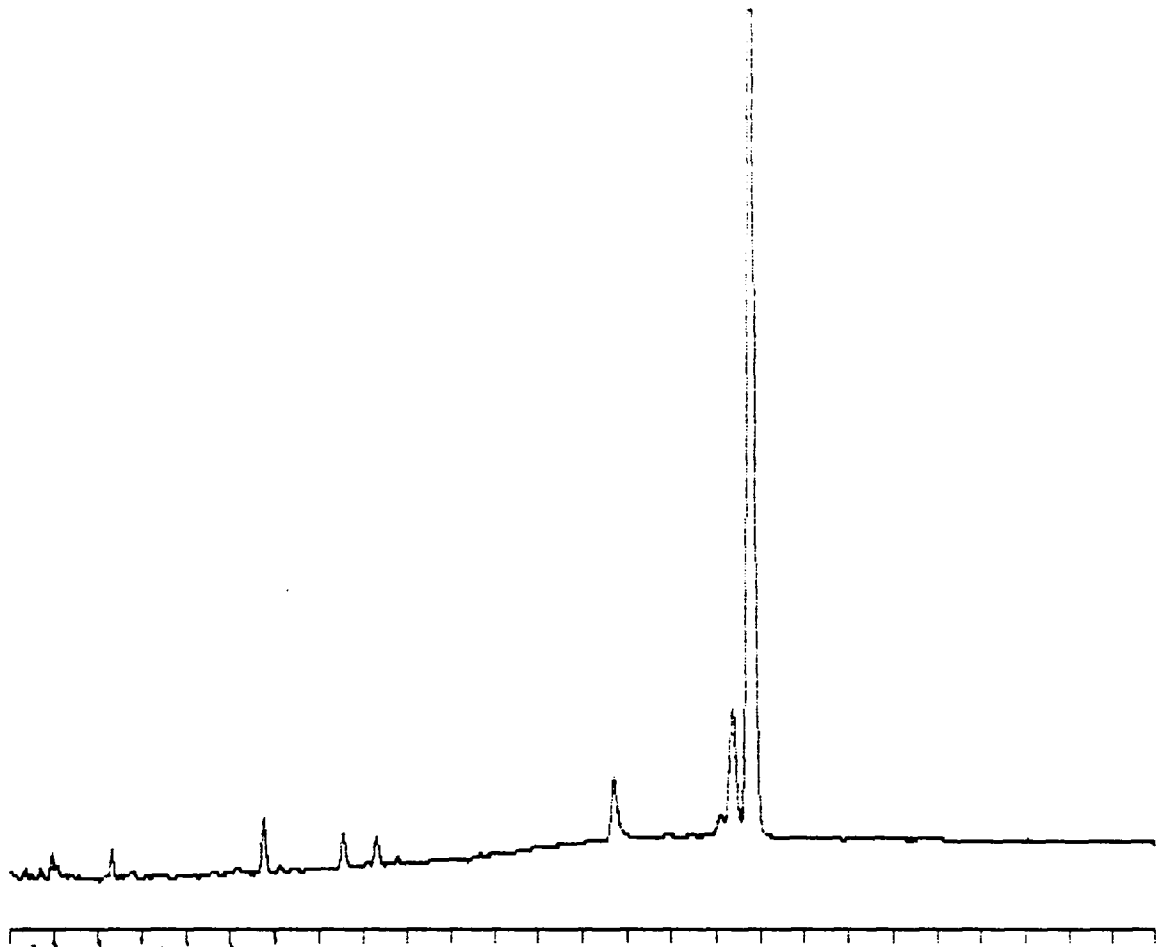
********** 12-10-1991 17:46:25 Version 5.1 **********
* Sample Name: MBSOIL Data File: D:RE1263 *
* Data: 12-10-1991 19:12:04 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 3 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	9.730		1.5407	51.0316%	15408	2551	6.0	1			1.0000E-04
2	11.517		0.0267	0.8857%	267	68	3.9	1			1.0000E-04
3	20.280		1.0985	36.3831%	10985	1119	9.8	2			1.0000E-04
4	20.693	DBC	0.3532	11.6996%	89436	8465	10.6	2	4	0	3.9496E-06

TOTAL AMOUNT = 3.0192

SEQUENCE RECORDED IN D:RERUN.SEQ



30 Min Scale: 10 MV
-10 Processed: 12-10-1991 18:48:59, segment 1, cycle 4
RAW DATA SAVED IN FILE D:RE1264.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 18:50:35 Version 5.1 **********

* Sample Name: SD-10 Data File: D:RE1264 *
* Date: 12-10-1991 18:50:18 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 4 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

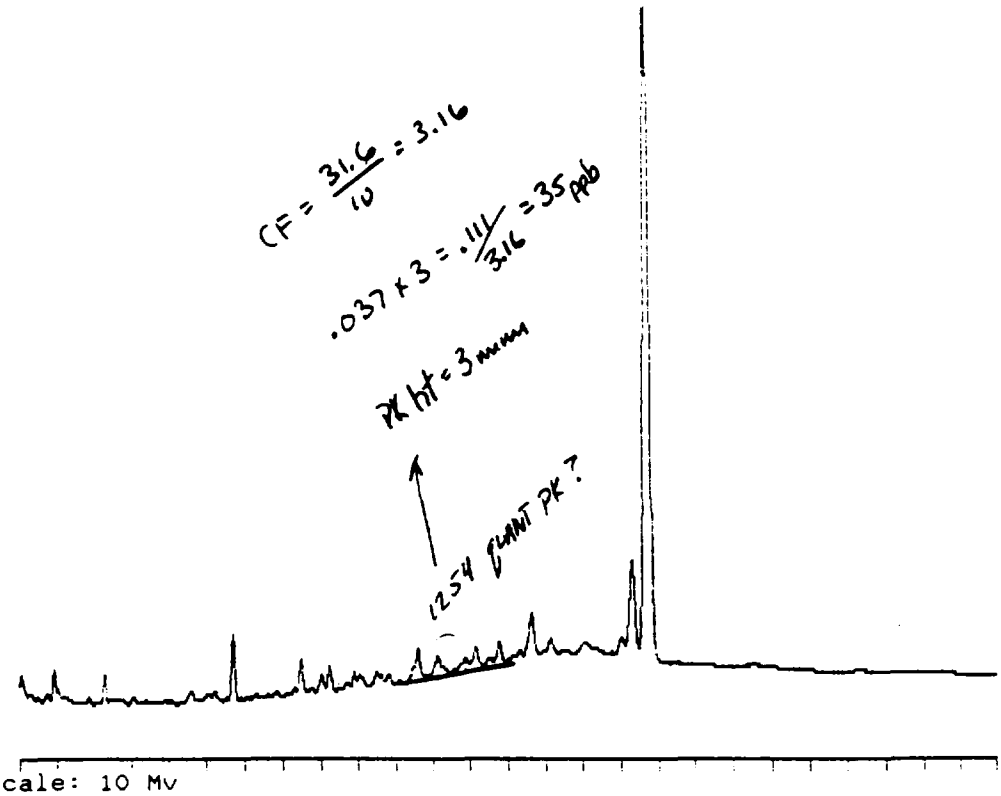
****

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.963		0.0707	2.7643%	707	189	3.7	1			1.0000E-04
	6.330		0.1132	4.4259%	1132	250	4.5	1			1.0000E-04
	9.770		0.3004	11.7444%	3004	535	5.6	1			1.0000E-04
4	11.563		0.0315	1.2316%	315	74	4.2	1			1.0000E-04
5	12.323		0.0283	1.1073%	283	59	4.8	1			1.0000E-04
6	17.723		0.4320	16.8905%	4320	568	7.6	1			1.0000E-04
7	20.390		1.1589	45.3106%	11589	1211	9.6	2			1.0000E-04
8	20.807	DBC	0.4227	16.5254%	108623	10372	10.5	2	8	0	3.8911E-06



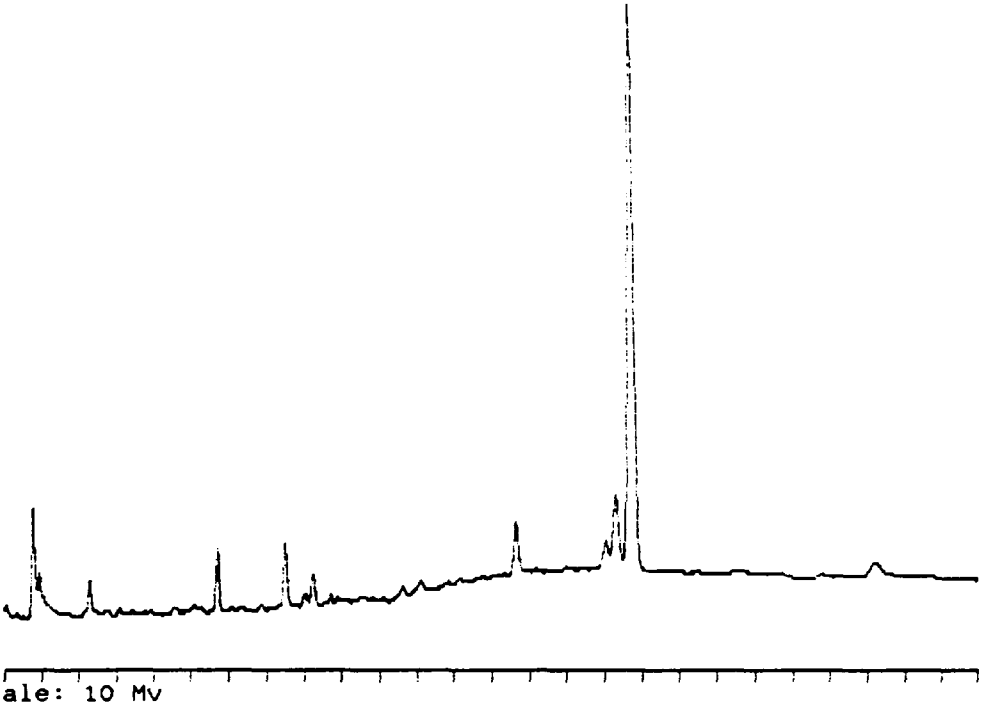
4-30 Min Scale: 10 Mv
SD-14 Processed: 12-10-1991 19:25:23, segment 2, cycle 5
RAW DATA SAVED IN FILE D:RE1265.PTS

****** EXTERNAL STANDARD TABLE ******

********** 12-10-1991 19:26:59 Version 5.1 **********
* Sample Name: SD-14 Data File: D:RE1265 *
* Date: 12-10-1991 20:03:06 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 5 Operator ML Channel#: 0 Vial#: N.A. *
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.060		0.0134	0.5912%	134	50	2.7	1			1.0000E-04
2	4.943		0.1271	5.5992%	1271	301	4.2	1			1.0000E-04
3	6.290		0.1563	6.8828%	1563	325	4.8	1			1.0000E-04
4	9.707		0.4678	20.6083%	4678	805	5.8	1			1.0000E-04
5	11.500		0.0342	1.5065%	342	86	4.0	1			1.0000E-04
6	12.257		0.0222	0.9797%	222	54	4.1	1			1.0000E-04
7	14.610		0.0208	0.9162%	208	65	3.2	1			1.0000E-04
8	16.147		0.0176	0.7770%	176	53	3.3	1			1.0000E-04
9	17.640		0.0302	1.3285%	302	67	4.5	1			1.0000E-04
10	20.300		0.9919	43.6939%	9919	1080	9.2	2			1.0000E-04
11	20.720	DBC	0.3886	17.1166%	99202	9542	10.4	2	11	0	3.9170E-06

TOTAL AMOUNT = 2.2701



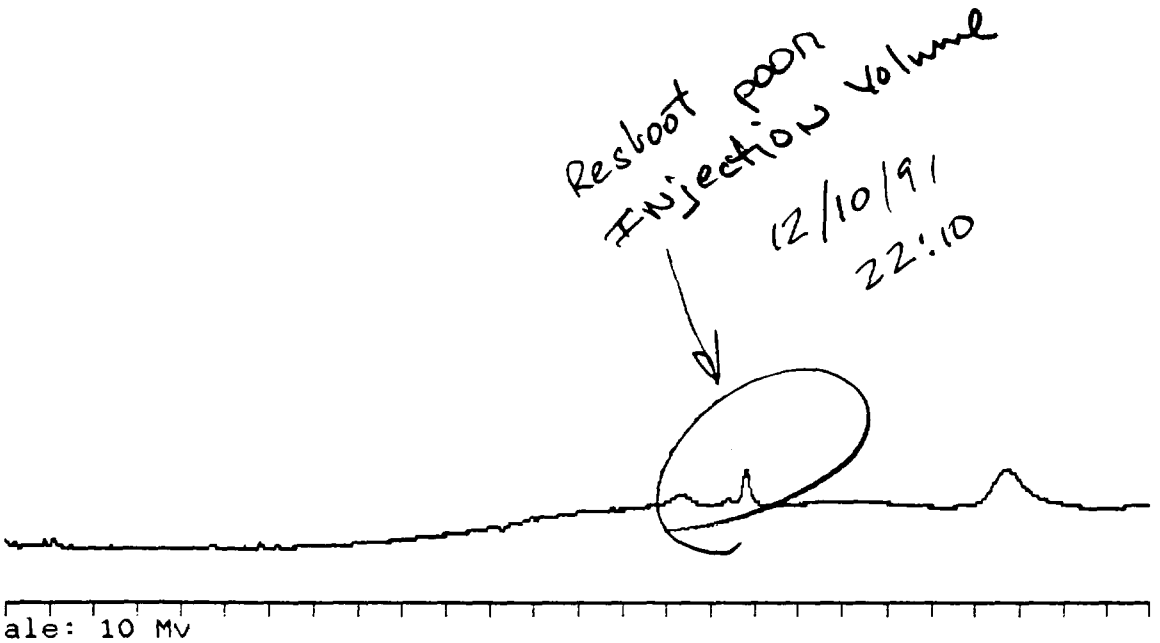
4-30 Min Scale: 10 Mv
SD-~~10~~12 MP Processed: 12-10-1991 20:01:53, segment 3, cycle 6
End of sequence file reached at cycle 6
RAW DATA SAVED IN FILE D:RE1266.PTS
12/10/91

****** EXTERNAL STANDARD TABLE ******

********** 12-10-1991 20:03:29 Version 5.1 **********
* Sample Name: ~~SD-10~~ SD-12 Data File: D:RE1266 *
* Date: 12-10-1991 21:16:09 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 6 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.773		0.6647	24.3386%	6647	1267	5.2	2			1.0000E-04
2	4.940		0.1535	5.6208%	1535	333	4.6	2			1.0000E-04
3	6.293		0.1617	5.9211%	1617	344	4.7	1			1.0000E-04
4	9.710		0.4388	16.0694%	4388	758	5.8	1			1.0000E-04
5	11.500		0.4764	17.4440%	4764	762	6.2	1			1.0000E-04
6	12.257		0.0327	1.1981%	327	80	4.1	1			1.0000E-04
7	17.647		0.3963	14.5131%	3963	556	7.1	1			1.0000E-04
8	20.047		0.0311	1.1395%	311	47	6.7	1			1.0000E-04
9	20.320		0.0762	2.7892%	762	107	7.1	1			1.0000E-04
10	20.740	DBC	0.2995	10.9660%	74578	7174	10.4	1	10	0	4.0156E-06

TOTAL AMOUNT = 2.7309



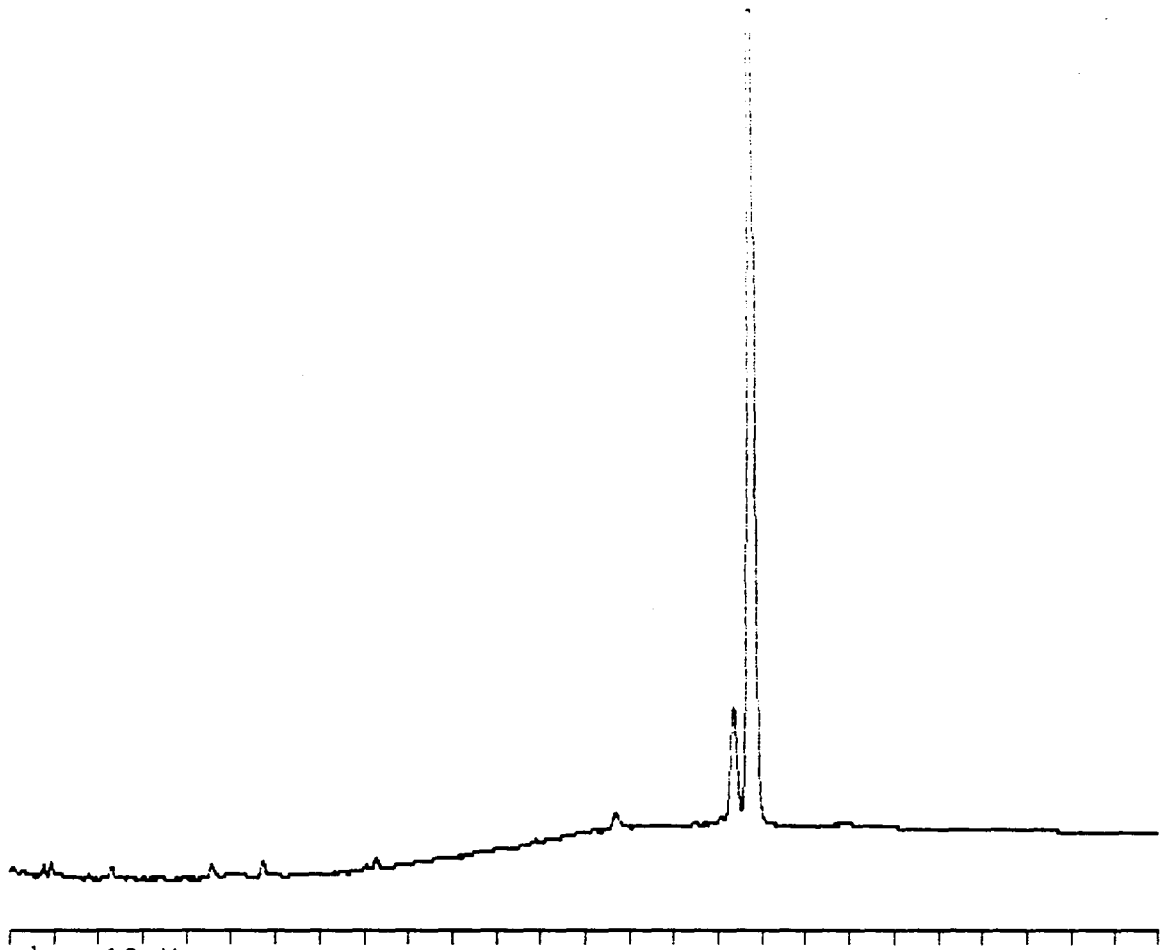
-30 Min Scale: 10 Mv
-12 Processed: 12-10-1991 20:56:43, segment 1, cycle 7
RAW DATA SAVED IN FILE D:RE1267.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 20:58:14 Version 5.1 **********
* Sample Name: SW-12 Data File: D:RE1267 *
* Date: 12-10-1991 20:59:46 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 7 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	20.827	DBC	0.0307	100.0000%	307	44	7.0 1	0	.1442	9.9948E-05

TOTAL AMOUNT = 0.0307



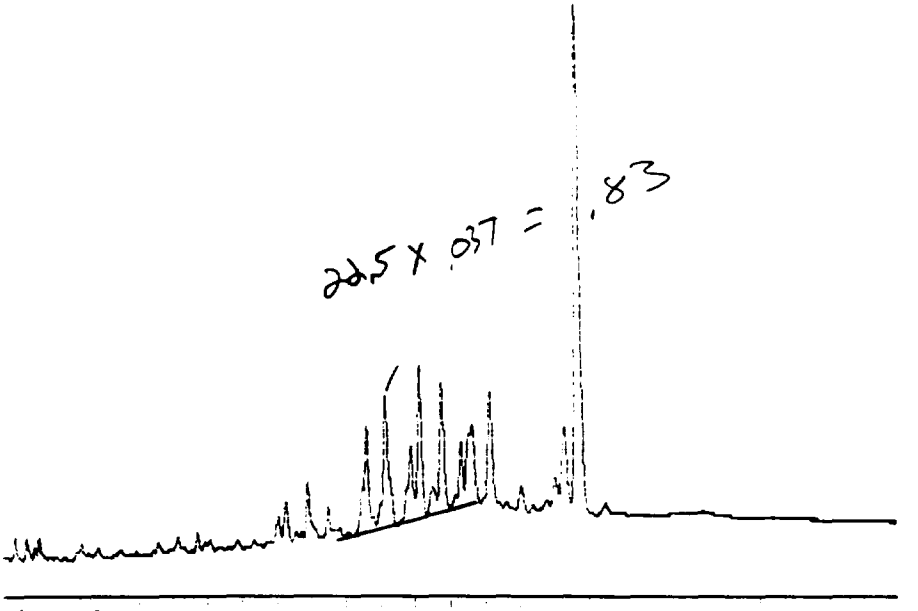
30 Min Scale: 10 Mv
SW-13 Processed: 12-10-1991 21:33:24, segment 2, cycle 8
RAW DATA SAVED IN FILE D:RE1268.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 21:34:57 Version 5.1 **********
* Sample Name: SW-13 Data File: D:RE1268 *
* Date: 12-10-1991 22:12:59 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 8 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.953		0.0089	1.6489%	89	39	2.3	1			1.0000E-04
	20.357		0.1077	20.0377%	1077	151	7.2	1			1.0000E-04
3	20.777	DBC	0.4208	78.3135%	108110	10277	10.5	1	3	0	3.8924E-06

TOTAL AMOUNT = 0.5373



4-30 Min Scale: 10 MV
SW-13MS Processed: 12-10-1991 22:10:05, segment 3, cycle 9
RAW DATA SAVED IN FILE D:RE1269.PTS

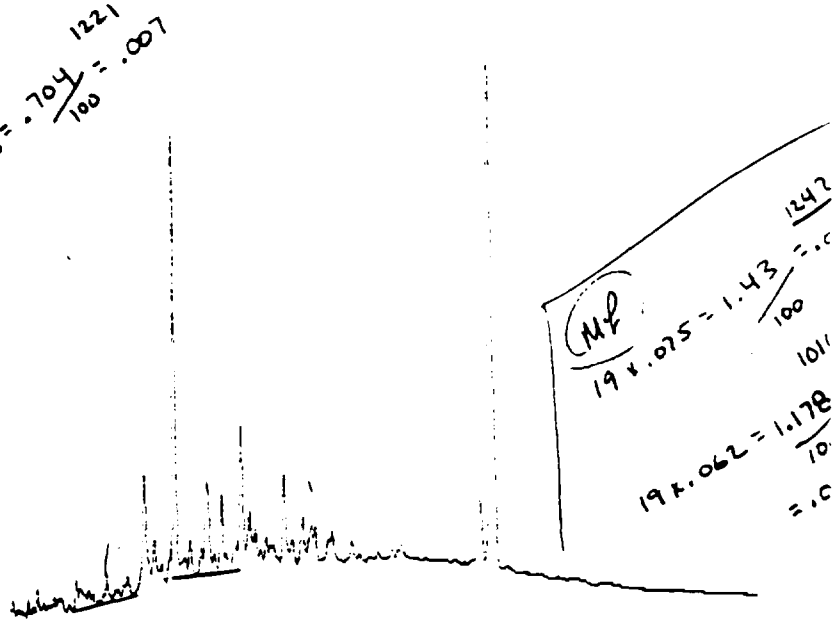
***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 22:11:41 Version 5.1 **********
* Sample Name: SW-13MS Data File: D:RE1269 *
* Date: 12-10-1991 23:26:25 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 9 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.373		0.0901	0.9713%	981	241	4.1	1			1.0000E-04
2	4.710		0.0586	0.5005%	586	170	3.5	1			1.0000E-04
3	4.950		0.0129	0.1282%	130	53	2.4	1			1.0000E-04
4	5.073		0.0751	0.7433%	751	190	4.0	1			1.0000E-04
5	9.713		0.0245	0.2430%	245	73	3.4	1			1.0000E-04
6	12.053		0.0347	0.3436%	347	61	5.7	1			1.0000E-04
7	12.280		0.3620	3.5844%	3620	506	7.2	1			1.0000E-04
8	12.913		0.3592	3.5565%	3592	634	5.7	1			1.0000E-04
9	13.497		0.1829	1.8104%	1829	329	5.6	1			1.0000E-04
10	14.503		0.2259	2.2369%	2259	472	4.8	2			1.0000E-04
11	14.620		0.8955	8.8663%	8955	1317	6.8	2			1.0000E-04
12	15.020		0.0468	0.4629%	468	103	4.5	2			1.0000E-04
13	15.173		0.8534	8.4488%	8534	1328	6.4	2			1.0000E-04
14	15.780		0.1752	1.7347%	1752	398	4.4	2			1.0000E-04
15	15.897		0.7090	7.0196%	7090	961	7.4	2			1.0000E-04
16	16.153		1.5044	14.8945%	15044	2068	7.3	2			1.0000E-04
17	16.497		0.0596	0.5898%	596	74	8.1	1			1.0000E-04
18	16.780		1.4044	13.9044%	14044	1747	8.0	1			1.0000E-04
19	17.330		0.4253	4.2110%	4253	723	5.9	1			1.0000E-04
20	17.553		0.0809	0.8006%	809	93	8.7	1			1.0000E-04
21	18.163		1.2486	12.3623%	12486	1531	8.2	1			1.0000E-04
22	19.053		0.0194	0.1923%	194	44	4.4	1			1.0000E-04
23	20.030		0.0417	0.4131%	417	65	6.4	1			1.0000E-04
24	20.303		0.9076	8.9858%	9076	992	9.2	1			1.0000E-04
25	20.727	DBC	0.2945	2.9158%	73205	7043	10.4	1	25	0	4.0230E-06

TOTAL AMOUNT = 10.1004



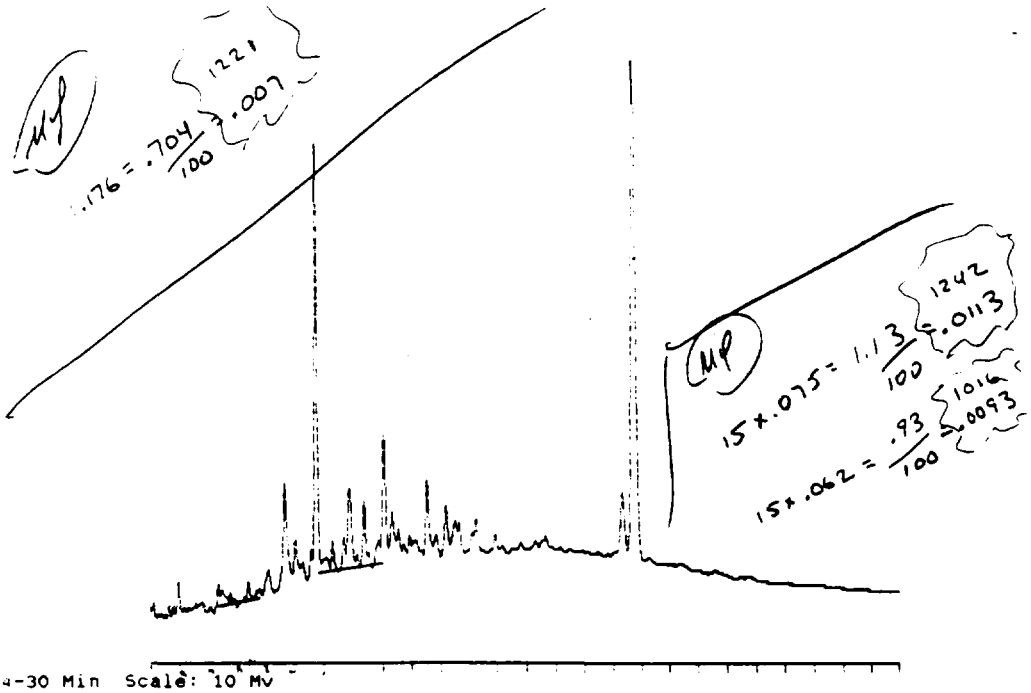
4-30 Min Scale: 10 Mv
SW-04 Processed: 12-10-1991 22:46:28, Segment 4, Cycle 10
RAW DATA SAVED IN FILE D:RE12610.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-10-1991 22:48:05 Version 5.1 **********
* Sample Name: SW-04 Data File: D:RE12610 *
* Date: 12-11-1991 00:39:10 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: lo Cycle#: 10 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.070		0.0711	0.5049%	711	194	3.9 1			1.0000E-04
2	4.610		0.0902	0.6406%	902	238	3.8 1			1.0000E-04
3	4.770		0.0201	0.1428%	201	71	2.9 1			1.0000E-04
4	4.937		0.1450	1.0297%	1450	357	4.1 1			1.0000E-04
5	5.520		0.0412	0.2928%	412	125	3.3 1			1.0000E-04
6	6.293		0.1732	1.2295%	1732	376	4.6 1			1.0000E-04
7	6.430		0.0138	0.0977%	138	41	3.4 1			1.0000E-04
8	6.717		0.0144	0.1021%	144	51	2.8 1			1.0000E-04
9	7.343		0.1075	0.7632%	1075	236	4.5 1			1.0000E-04
10	7.937		0.0174	0.1238%	174	46	3.8 1			1.0000E-04
11	8.070		0.0109	0.0772%	109	40	2.7 1			1.0000E-04
12	8.637		1.2855	9.1257%	12855	1662	7.7 1			1.0000E-04
13	8.987		0.3191	2.2655%	3191	569	5.6 1			1.0000E-04
14	9.527		0.2599	1.8449%	2599	488	5.3 2			1.0000E-04
15	9.707		5.0785	36.0527%	50785	7903	6.4 2			1.0000E-04
16	10.267		0.2810	1.9951%	2810	497	5.7 1			1.0000E-04
17	10.640		0.0404	0.2868%	404	99	4.1 1			1.0000E-04
18	10.840		0.1472	1.0453%	1473	189	7.8 1			1.0000E-04
19	11.340		0.6677	4.7403%	6677	1111	6.0 1			1.0000E-04
20	11.833		0.2016	1.4313%	2016	243	8.3 2			1.0000E-04
21	12.033		1.6626	11.8027%	16626	2162	7.7 2			1.0000E-04
22	12.310		0.3105	2.2043%	3105	537	5.8 1			1.0000E-04
23	12.527		0.1300	0.9230%	1300	293	4.4 1			1.0000E-04
24	12.900		0.0345	0.2448%	345	93	4.2 1			1.0000E-04
25	13.510		0.9243	6.5615%	9243	1366	6.8 1			1.0000E-04
26	13.810		0.0213	0.1509%	213	54	3.9 1			1.0000E-04
27	14.150		0.4268	3.0302%	4269	641	6.7 1			1.0000E-04
28	14.467		0.0501	0.3555%	501	71	7.0 1			1.0000E-04
29	14.600		0.1158	0.8222%	1158	228	5.1 1			1.0000E-04
30	15.083		0.0348	0.2470%	348	61	5.7 1			1.0000E-04
31	15.217		0.0205	0.1455%	205	64	3.2 1			1.0000E-04
32	15.900		0.0228	0.1619%	228	67	3.4 1			1.0000E-04
33	20.317		0.9743	6.9169%	9743	1025	9.5 2			1.0000E-04
34	20.740	DBC	0.3721	2.6415%	94647	8996	10.5 2	34	0	3.9314E-06

TOTAL AMOUNT = 14.0863



4-30 Min Scale: 10 MV
SW-04D Processed: 12-10-1991 23:23:06, segment 5, cycle 11
RAW DATA SAVED IN FILE D:RE12611.PTS

****** EXTERNAL STANDARD TABLE ******

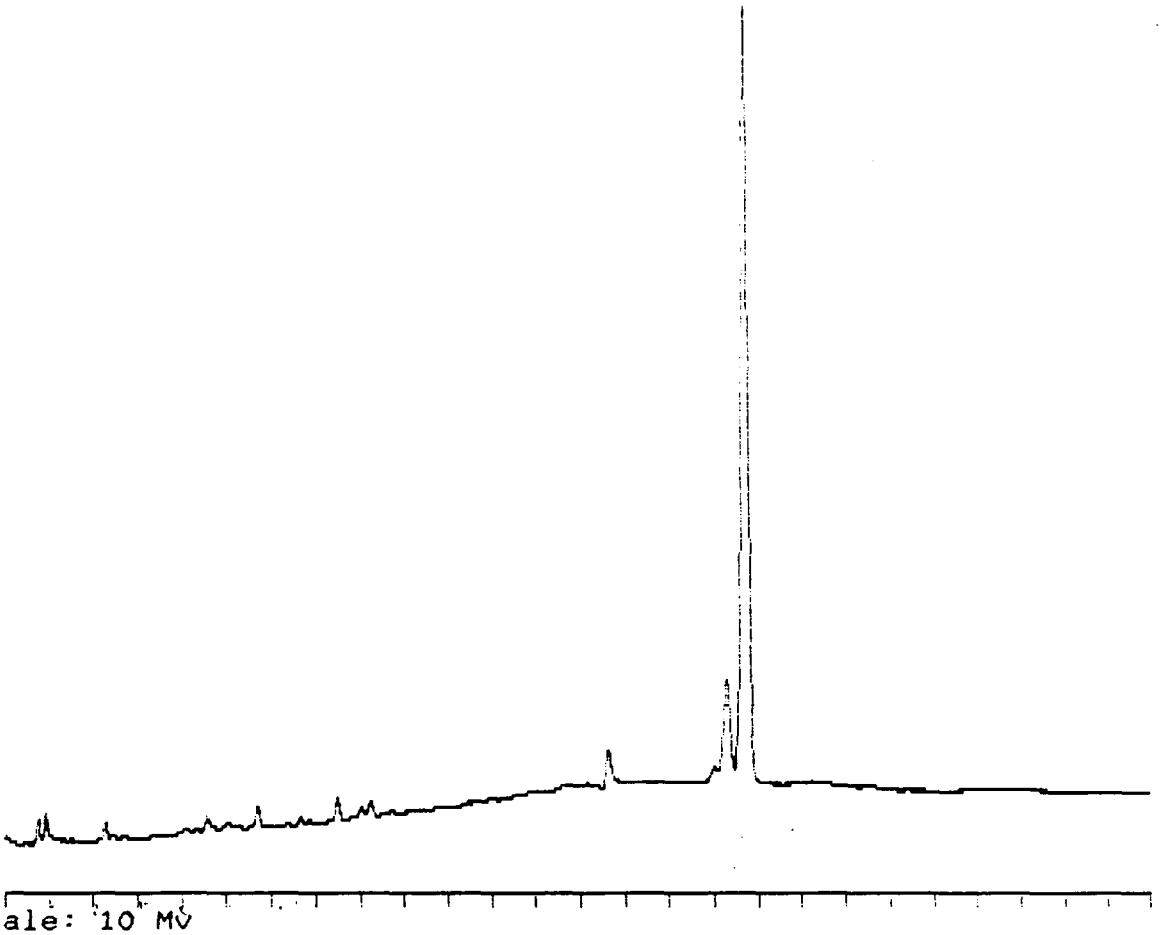
********** 12-10-1991 23:24:42 Version 5.1 **********
Sample Name: SW-04D Data File: D:RE12611
Date: 12-11-1991 01:52:25 Method: PCE 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 11 Operator Channel#: C Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

ng Delay: 4.00 Ending retention time: 30.00
eject: 10 One sample per 0.200 sec.
Amount Injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.003		0.0589	0.4082%	589	166	3.5 1			1.0000E-04
2	4.627		0.0203	0.1406%	203	81	2.5 1			1.0000E-04
3	4.787		0.0156	0.1079%	156	59	2.7 1			1.0000E-04
4	4.955		0.1911	1.3254%	1911	452	4.2 1			1.0000E-04
5	6.317		0.1491	1.0338%	1491	333	4.5 2			1.0000E-04
6	6.447		0.0161	0.1117%	161	49	3.3 2			1.0000E-04
7	6.740		0.0100	0.0696%	100	44	2.3 1			1.0000E-04
8	7.373		0.0259	0.1793%	259	78	3.3 1			1.0000E-04
9	8.090		0.0700	0.4857%	700	57	12.2 1			1.0000E-04
10	8.660		1.3003	9.0173%	13003	1545	8.4 1			1.0000E-04
11	9.013		0.2722	1.8874%	2722	493	5.5 1			1.0000E-04
12	9.553		0.2383	1.6526%	2383	436	5.5 2			1.0000E-04
13	9.733		4.5842	31.7913%	45842	7249	6.3 2			1.0000E-04
14	10.290		0.2301	1.5955%	2301	410	5.6 1			1.0000E-04
15	10.663		0.2917	2.0227%	2917	490	6.0 2			1.0000E-04
16	10.863		1.2001	8.3224%	12001	1256	9.6 2			1.0000E-04
17	11.363		0.5900	4.0918%	5900	988	6.0 1			1.0000E-04
18	11.860		0.2146	1.4884%	2146	292	7.3 2			1.0000E-04
19	12.053		1.5477	10.7336%	15477	2003	7.7 2			1.0000E-04
20	12.330		0.2875	1.9937%	2875	501	5.7 1			1.0000E-04
21	12.547		0.1227	0.8509%	1227	271	4.5 1			1.0000E-04
22	12.923		0.1114	0.7726%	1114	233	4.8 1			1.0000E-04
23	13.530		0.8246	5.7188%	8246	1241	6.6 1			1.0000E-04
24	13.830		0.0167	0.1161%	167	50	3.4 1			1.0000E-04
25	14.173		0.4655	3.2290%	4655	704	6.6 1			1.0000E-04
26	14.490		0.0467	0.3235%	467	58	8.0 1			1.0000E-04
27	14.620		0.0148	0.1025%	148	57	2.6 1			1.0000E-04
28	15.097		0.0267	0.1852%	267	49	5.5 1			1.0000E-04
29	15.230		0.1772	1.2289%	1772	326	5.4 1			1.0000E-04
30	15.913		0.0156	0.1082%	156	47	3.3 1			1.0000E-04
31	20.317		0.9325	6.4667%	9325	970	9.6 2			1.0000E-04
	** 737 DB		0.3518	2.4396%	05134	8477	10.5 2	32	0	3.9511E-06

TOTAL AMOUNT = 14.4197



4-30 Min Scale: 10 MV
SD-13 Processed: 12-10-1991 23:59:43, segment 6, cycle 12
RAW DATA SAVED IN FILE D:RE12612.PTS

EXTERNAL STANDARD TABLE

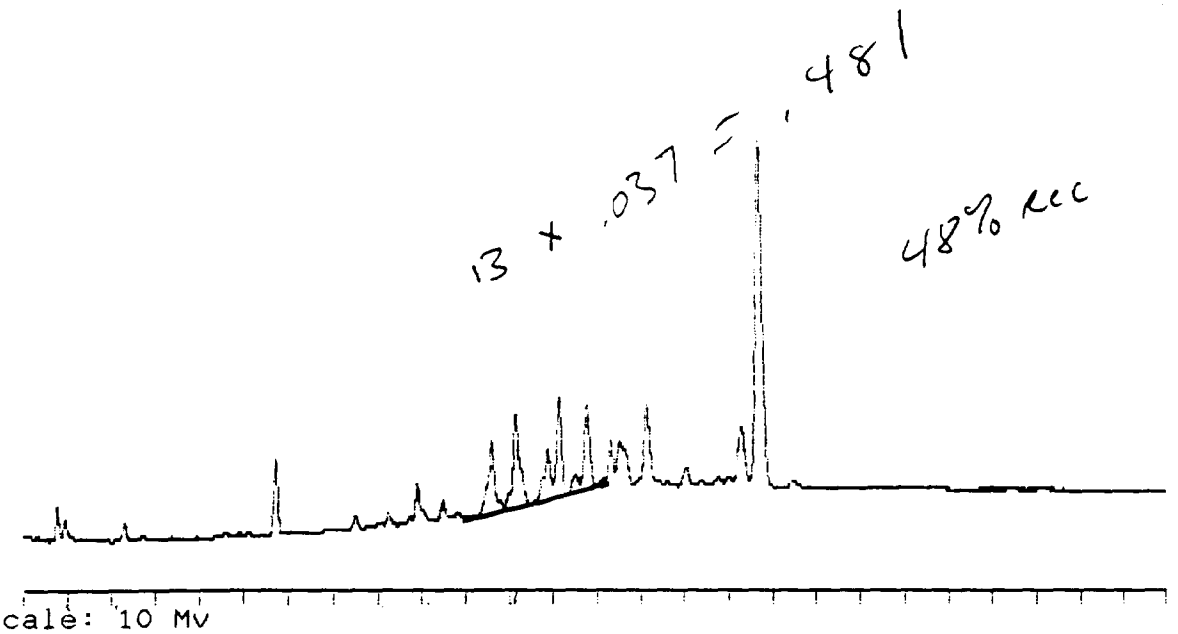
12-11-1991 00:01:20 Version 5.1

* Sample Name: SD-13 Data File: D:RE12612
* Date: 12-11-1991 03:05:39 Method: PCB 12-10-1991 10:26:32 # 24
* Interface: 16 Cycle#: 12 Operator Channel#: 0 Vial#: N.A.
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
* Instrument Type: TRACOR 540 Column Type: SPB-5
* Solvent Description:
* Conditions: pro #2
* Detector 0: Detector 1: FID
* Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.760		0.0797	5.1298%	797	218	3.7	1			1.0000E-04
2	4.933		0.0995	6.4022%	995	244	4.1	1			1.0000E-04
3	6.283		0.0134	0.8599%	134	50	2.7	1			1.0000E-04
4	9.700		0.0171	1.0993%	171	48	3.6	1			1.0000E-04
	11.490		0.0251	1.6168%	251	63	4.0	1			1.0000E-04
	17.640		0.0396	2.5494%	396	70	5.7	1			1.0000E-04
7	20.287		0.9324	60.0143%	9324	986	9.5	2			1.0000E-04
8	20.703	DBC	0.3469	22.3282%	87688	8381	10.5	2	8	0	3.9562E-06

TOTAL AMOUNT = 1.5537



4-30 Min Scale: 10 Mv
SD-13MS Processed: 12-11-1991 00:36:23, segment 7, cycle 13
RAW DATA SAVED IN FILE D:RE12613.PTS

EXTERNAL STANDARD TABLE

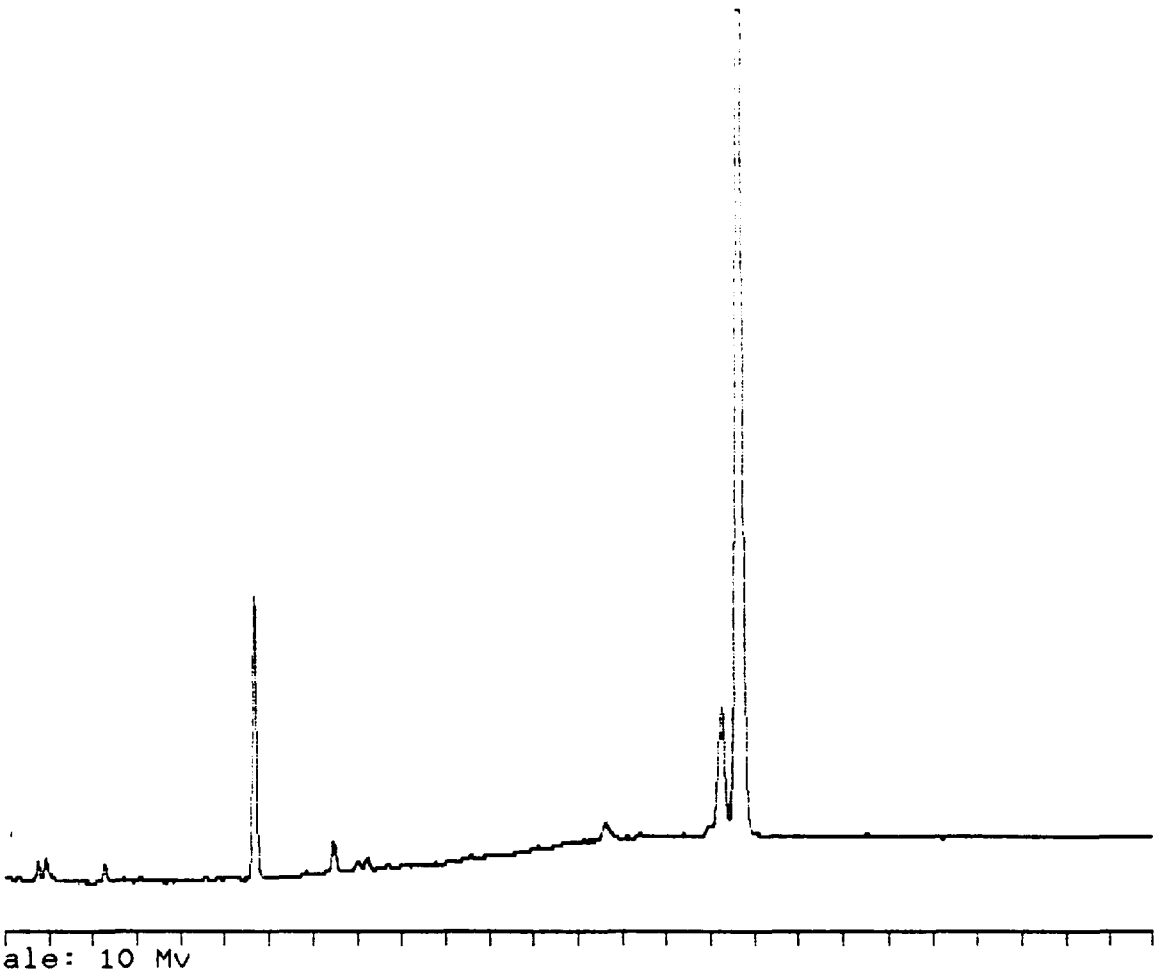
12-11-1991 00:37:59 Version 5.1

* Sample Name: SD-13MS Data File: D:RE12613
* Date: 12-11-1991 04:19:06 Method: PCB 12-10-1991 10:26:32 # 24
* Interface: 16 Cycle#: 13 Operator Channel#: 0 Vial#: N.A.
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
* Instrument Type: TRACOR 540 Column Type: SPB-5
* Solvent Description:
Conditions: pro #2
* Detector 0: Detector 1: FID
* Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.773		0.1046	2.5585%	1046	279	3.8	1			1.0000E-04
2	4.957		0.0159	0.3886%	159	54	2.9	1			1.0000E-04
3	6.303		0.0144	0.3533%	144	50	2.9	1			1.0000E-04
4	9.720		0.4435	10.8510%	4435	762	5.8	1			1.0000E-04
5	12.910		0.0358	0.8750%	358	91	3.9	1			1.0000E-04
6	14.623		0.4573	11.1901%	4573	634	7.2	1			1.0000E-04
7	15.173		0.4333	10.6019%	4333	692	6.3	1			1.0000E-04
8	15.773		0.0194	0.4752%	194	44	4.4	1			1.0000E-04
9	15.897		0.1585	3.8791%	1585	311	5.1	1			1.0000E-04
10	16.157		0.6441	15.7597%	6441	970	6.6	1			1.0000E-04
11	16.780		0.6664	16.3066%	6664	823	8.1	1			1.0000E-04
12	17.330		0.2238	5.4759%	2238	382	5.9	1			1.0000E-04
13	17.537		0.0434	1.0624%	434	88	4.9	1			1.0000E-04
	18.157		0.5921	14.4893%	5922	762	7.8	1			1.0000E-04
	20.303		0.0661	1.6169%	661	94	7.0	1			1.0000E-04
16	20.723	OBC	0.1682	4.1167%	38311	3708	10.3	1	16	0	4.3914E-06

TOTAL AMOUNT = 4.0868



4-30 Min Scale: 10 Mv
SOIL Processed: 12-11-1991 01:13:10, segment 8, cycle 14
DATA SAVED IN FILE D:RE12614.PTS

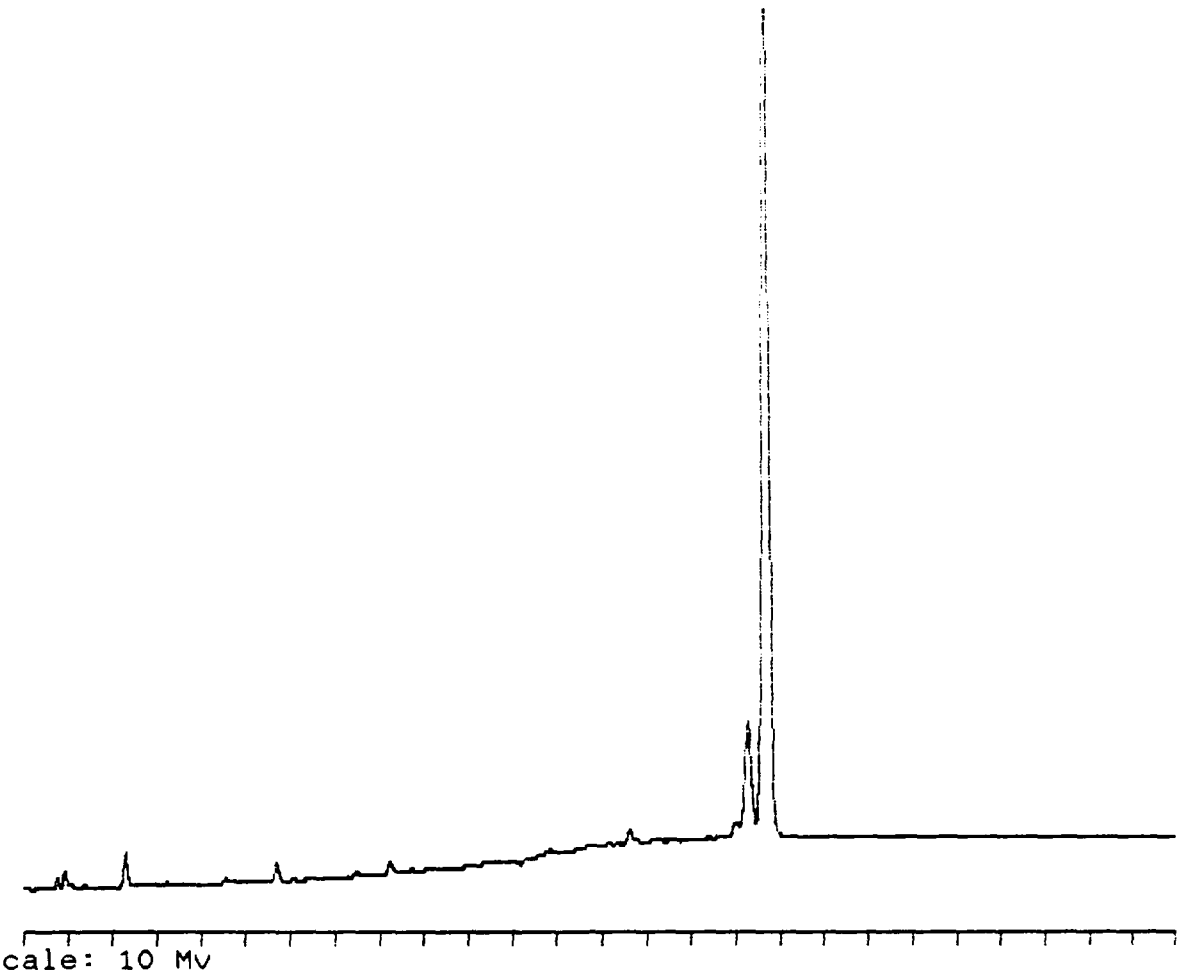
***** EXTERNAL STANDARD TABLE *****

********** 12-11-1991 01:14:46 Version 5.1 **********
* Sample Name: SOIL Data File: D:RE12614 *
* Date: 12-11-1991 05:32:35 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 14 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.747		0.0497	1.3618%	497	154	3.2	1			1.0000E-04
2	4.927		0.0672	1.8434%	672	177	3.8	1			1.0000E-04
3	6.270		0.0148	0.4053%	148	49	3.0	1			1.0000E-04
	9.680		1.8324	50.2496%	18324	3033	6.0	1			1.0000E-04
5	11.467		0.0313	0.8589%	313	79	4.0	1			1.0000E-04
6	20.250		1.2251	33.5961%	12251	1263	9.7	2			1.0000E-04
7	20.663	DBC	0.4261	11.6849%	109571	10405	10.5	2	7	0	3.8888E-06

TOTAL AMOUNT = 3.6466



30 Min Scale: 10 Mv
J Processed: 12-11-1991 01:50:02, segment 9, cycle 15
RAW DATA SAVED IN FILE D:RE12615.PTS

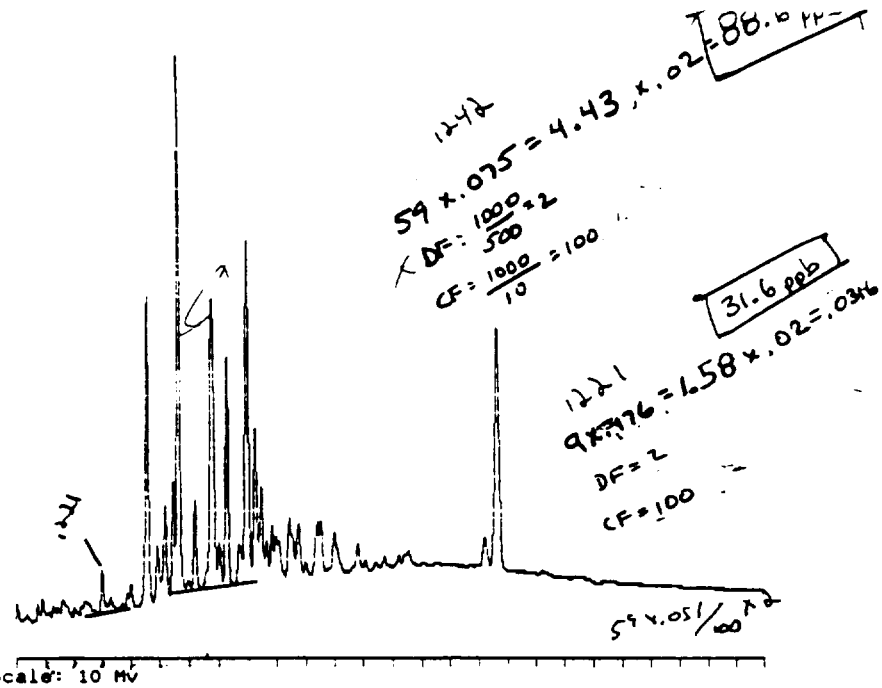
***** EXTERNAL STANDARD TABLE *****

********** 12-11-1991 01:51:38 Version 5.1 **********
* Sample Name: H20 Data File: D:RE12615 *
* Date: 12-11-1991 06:46:19 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 15 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.943		0.0133	0.8875%	133	48	2.8	1			1.0000E-04
	6.293		0.0273	1.8162%	273	82	3.3	1			1.0000E-04
	9.703		0.0182	1.2135%	182	57	3.2	1			1.0000E-04
4	20.283		1.0455	69.5541%	10455	1115	9.4	2			1.0000E-04
5	20.700	DBC	0.3988	26.5287%	102016	9760	10.5	2	5	0	3.9088E-06

TOTAL AMOUNT = 1.5031



4-30 Min Scale: 10 MV
SW-2,500UL Processed: 12-11-1991 02:26:45, segment 10, cycle 16
RAW DATA SAVED IN FILE D:RE12616.PTS

EXTERNAL STANDARD TABLE

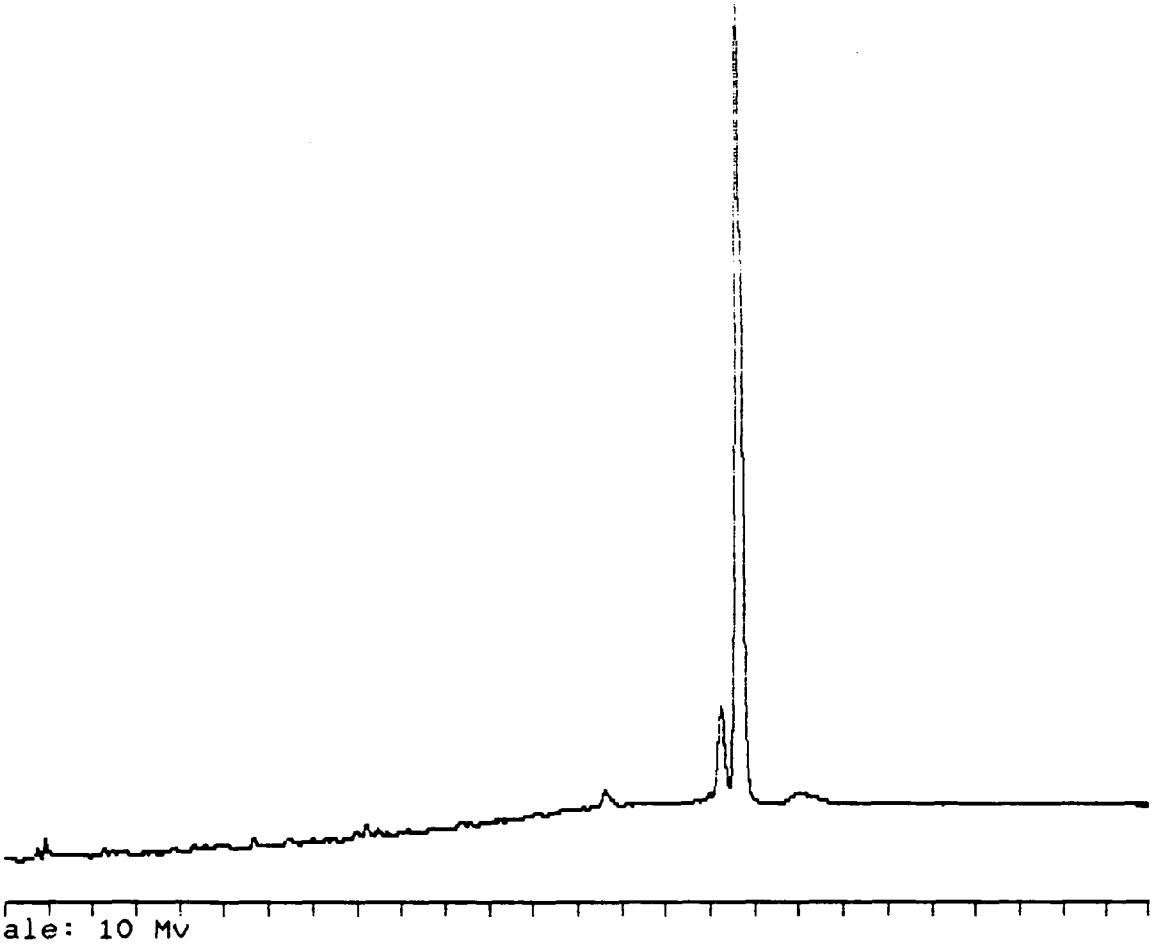
12-11-1991 02:28:21 Version 5.1

* Sample Name: SW-2,500UL Data File: D:RE12616
* Date: 12-11-1991 07:59:48 Method: PCB 12-10-1991 10:26:32 # 24
* Interface: 16 Cycle#: 16 Operator Channel#: 0 Vial#: N.A.
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10
* Instrument Type: TRACOR 540 Column Type: SPB-5
* Solvent Description:
* Conditions: pro #2
* Detector 0: Detector 1: FID
* Misc. Information: 9 cc/min He

ting Delay: 4.00 Ending retention time: 30.00
reject: 10 One sample per 0.200 sec.
nt injected: 1.00 Dilution factor: ~~1.00~~ 2.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.860		0.0900	0.3032%	900	241	3.8	1			1.0000E-04
2	4.760		0.0582	0.1943%	582	181	3.2	1			1.0000E-04
3	4.937		0.0877	0.2927%	877	234	3.7	1			1.0000E-04
4	5.637		0.0163	0.0546%	163	39	4.2	1			1.0000E-04
5	7.037		0.3344	1.1166%	3344	634	5.3	1			1.0000E-04
6	7.920		0.0251	0.0839%	251	71	3.6	1			1.0000E-04
7	8.053		0.0192	0.0642%	192	65	2.9	1			1.0000E-04
8	8.613		3.3018	11.0262%	33018	5101	6.5	1			1.0000E-04
9	8.970		0.3917	1.3080%	3917	715	5.5	1			1.0000E-04
10	9.227		0.8184	2.7331%	8184	1334	6.1	1			1.0000E-04
11	9.507		1.0422	3.4805%	10422	1842	5.7	2			1.0000E-04
12	9.680		5.9040	19.7162%	59040	9227	6.4	2			1.0000E-04
13	10.247		0.8670	2.8952%	8670	1454	6.0	1			1.0000E-04
14	10.807		4.7134	15.7402%	47134	6749	9.9	2			1.0000E-04
15	11.077		0.4178	1.3952%	4178	662	6.3	2			1.0000E-04
16	11.317		2.4251	8.0986%	24251	3776	6.4	2			1.0000E-04
17	11.743		0.0658	0.2196%	658	114	5.8	1			1.0000E-04
18	12.000		4.2142	14.0732%	42142	5341	7.9	1			1.0000E-04
19	12.287		1.5438	5.1554%	15438	2288	6.7	2			1.0000E-04
20	12.500		0.8439	2.8183%	8439	1332	6.3	2			1.0000E-04
21	12.673		0.2387	0.7971%	2387	398	6.0	2			1.0000E-04
22	12.870		0.2564	0.8562%	2564	529	4.8	1			1.0000E-04
23	13.010		0.0169	0.0565%	169	55	3.1	1			1.0000E-04
24	13.463		0.2941	0.9821%	2941	567	5.2	1			1.0000E-04
25	13.703		0.4855	1.6213%	4855	685	7.1	1			1.0000E-04
26	14.437		0.6670	2.2279%	6670	813	8.2	2			1.0000E-04
27	14.570		0.5042	1.6836%	5042	790	6.4	2			1.0000E-04
28	15.043		0.0536	0.1789%	536	103	5.2	1			1.0000E-04
29	15.860		0.0265	0.0884%	265	72	3.7	1			1.0000E-04
30	20.237		0.0425	0.1421%	425	76	5.6	1			1.0000E-04
31	20.660	DOC	0.1781	0.5949%	41045	3977	10.3	1	31	0	4.3399E-06

TOTAL AMOUNT = 29.9450



30 Min Scale: 10 Mv
Processed: 12-11-1991 03:03:34, segment 11, cycle 17
RAW DATA SAVED IN FILE D:RE12617.PTS

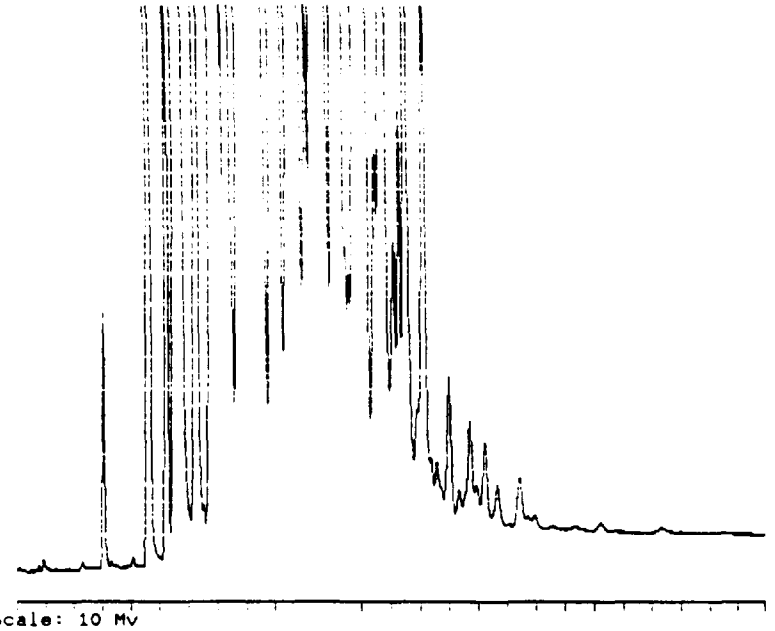
***** EXTERNAL STANDARD TABLE *****

********** 12-11-1991 03:05:09 Version 5.1 **********
* Sample Name: H20 Data File: D:RE12617 *
* Date: 12-11-1991 09:13:24 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 17 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.927		0.0177	1.3950%	177	67	2.6	1			1.0000E-04
	20.267		0.8977	70.7549%	8977	921	9.7	2			1.0000E-04
	20.680	DBC	0.3534	27.8501%	89469	8547	10.5	2	3	0	3.9495E-06

TOTAL AMOUNT = 1.2688



..-30 Min Scale: 10 MV
SD-5,100UL Processed: 12-11-1991 03:40:22, segment 12, cycle 18
RAW DATA SAVED IN FILE D:RE12618.PTS

***** EXTERNAL STANDARD TABLE *****

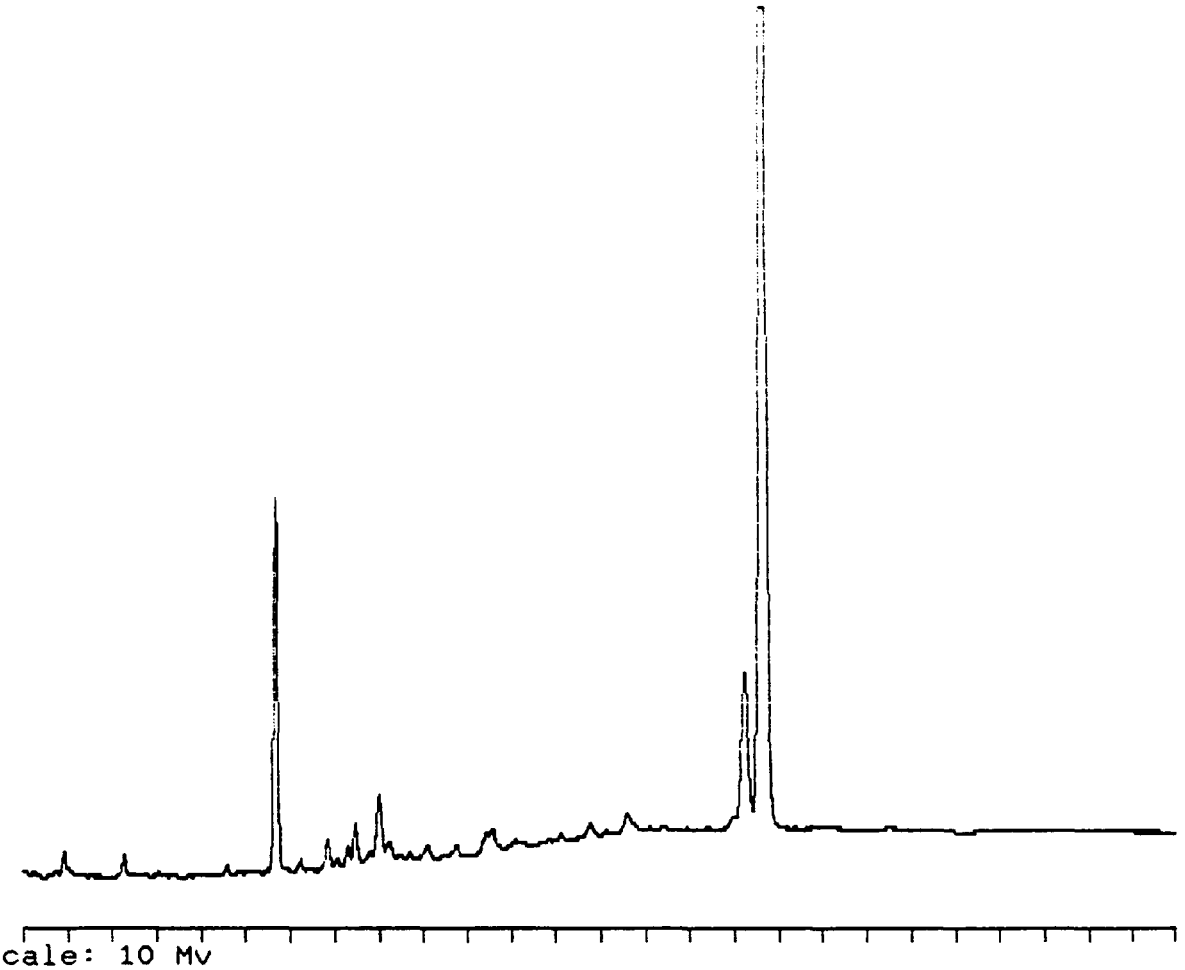
********** 12-11-1991 03:42:02 Version 5.1 **********
Sample Name: SD-5,100UL Data File: D:RE12618
Date: 12-11-1991 10:27:02 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 18 Operator Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
nt injected: 1.00 Dilution factor: 1.00
e Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK		% DELTA RET TIME	CONC/AREA
1	4.930		0.0150	0.0010%	150	58	2.6	1				1.0000E-04
2	7.030		2.3325	0.1534%	23325	4247	5.5	1				1.0000E-04
3	8.613		33.3827	2.1954%	333827	54445	6.1	1				1.0000E-04
4	9.233		10.2961	0.6771%	102961	16135	6.4	2				1.0000E-04
5	9.510		18.5264	1.2184%	185264	31527	5.9	2				1.0000E-04
6	9.680		103.2299	6.7888%	1032299	156904	6.6	2				1.0000E-04
7	10.250		40.5563	2.6671%	405563	62579	6.5	2				1.0000E-04
8	10.860		140.0542	9.2105%	1400542	198290	7.1	2				1.0000E-04
9	11.072		37.6747	2.4776%	376747	55830	6.7	2				1.0000E-04
10	11.310		98.3693	6.4692%	983693	142059	6.9	2				1.0000E-04
11	11.817		75.8330	4.9871%	758330	85087	8.9	2				1.0000E-04
12	12.020		339.6762	22.3385%	3396763	408088	8.3	2				1.0000E-04
13	12.207		35.2342	2.3171%	352342	46610	7.6	2				1.0000E-04
14	12.493		38.1204	2.5069%	381204	40386	9.4	2				1.0000E-04
15	12.873		10.8772	0.7153%	108772	16933	6.4	2				1.0000E-04
16	13.107		84.3500	5.5472%	843500	86372	9.8	2				1.0000E-04
17	13.587		31.3842	2.0640%	313842	28089	10.9	2				1.0000E-04
18	13.763		43.8211	2.8818%	438211	54306	8.1	2				1.0000E-04
19	14.103		8.9442	0.5882%	89442	8334	10.7	2				1.0000E-04
20	14.437		96.6191	6.3541%	966191	92267	10.5	2				1.0000E-04
21	14.567		87.3051	5.7415%	873051	103451	8.4	2				1.0000E-04
22	15.050		40.4300	2.6588%	404300	32844	12.3	2				1.0000E-04
23	15.277		19.6198	1.2903%	196198	24996	7.8	2				1.0000E-04
24	15.450		2.4271	0.1596%	24271	3945	6.2	2				1.0000E-04
25	15.583		2.1464	0.1412%	21464	3532	6.1	2				1.0000E-04
26	15.740		5.4852	0.3607%	54852	8700	6.2	2				1.0000E-04
27	15.857		11.4074	0.7502%	114074	13671	8.3	2				1.0000E-04
28	16.120		27.2320	1.7909%	272320	27953	9.7	2				1.0000E-04
29	16.460		4.9200	0.3236%	49200	5479	9.0	2				1.0000E-04
30	16.743		35.1059	2.3087%	351059	36881	9.5	2				1.0000E-04
31	17.103		3.6320	0.2389%	36320	3864	9.4	2				1.0000E-04
32	17.287		4.5451	0.2989%	45451	5984	7.6	2				1.0000E-04
33	17.503		14.3714	0.9451%	143714	16206	8.9	2				1.0000E-04
34	17.923		0.5200	0.0342%	5200	940	5.5	2				1.0000E-04
	9.113		8.6802	0.5708%	86802	9605	9.0	2				1.0000E-04
	.573		0.2361	0.0155%	2361	399	5.9	1				1.0000E-04
	.003		2.0359	0.1339%	20359	2187	9.3	1				1.0000E-04
38	19.347		0.0452	0.0030%	452	86	5.2	1				1.0000E-04
39	19.720		0.9531	0.0627%	9531	1217	7.8	1				1.0000E-04
40	20.230	DBC	0.0667	0.0044%	10258	1129	9.1	1	40	0		6.5053E-06
41	20.670		0.0409	0.0027%	409	68	7.2	1				1.0000E-04
42	21.430		0.0792	0.0052%	792	109	7.3	1				1.0000E-04

TOTAL AMOUNT = 1520.5089



30 Min Scale: 10 Mv
IL Processed: 12-11-1991 04:17:13, segment 1, cycle 19
RAW DATA SAVED IN FILE D:RE12619.PTS

***** EXTERNAL STANDARD TABLE *****

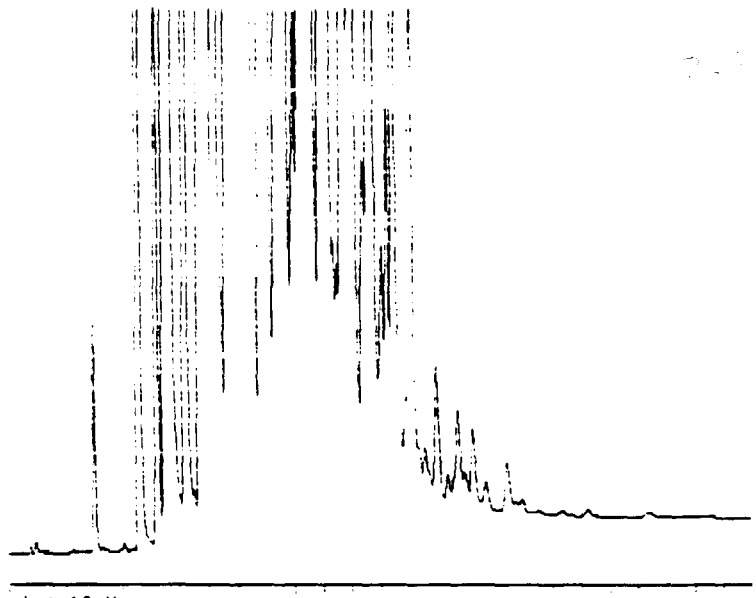
********** 12-11-1991 04:18:49 Version 5.1 **********

* Sample Name: SOIL Data File: D:RE12619 *
* Date: 12-11-1991 11:40:43 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 19 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.913		0.0223	0.4312%	223	67	3.3	1			1.0000E-04
	6.263		0.0169	0.3274%	169	56	3.0	1			1.0000E-04
	9.673		2.4357	47.0723%	24357	4027	6.0	1			1.0000E-04
4	10.840		0.0269	0.5206%	269	75	3.6	1			1.0000E-04
5	11.460		0.1921	3.7127%	1921	344	5.6	1			1.0000E-04
6	12.010		0.4367	8.4399%	4367	603	7.2	1			1.0000E-04
7	20.230		1.5334	29.6351%	15334	1563	9.8	2			1.0000E-04
8	20.647	DBC	0.5102	9.8609%	132875	12670	10.5	2	8	0	3.8414E-06



4-30 Min Scale: 10 Mv
SD-35,100U Processed: 12-11-1991 04:54:04, segment 2, cycle 20
RAW DATA SAVED IN FILE D:RE12620.PTS

***** EXTERNAL STANDARD TABLE *****

******************** 12-11-1991 04:55:43 Version 5.1 **********************

* Sample Name: SD-35,100UL Data File: D:RE12620 *

* Date: 12-11-1991 12:54:26 Method: PCB 12-10-1991 10:26:32 # 24 *

* Interface: 16 Cycle#: 20 Operator Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *

* Solvent Description: *

* Conditions: pro #2 *

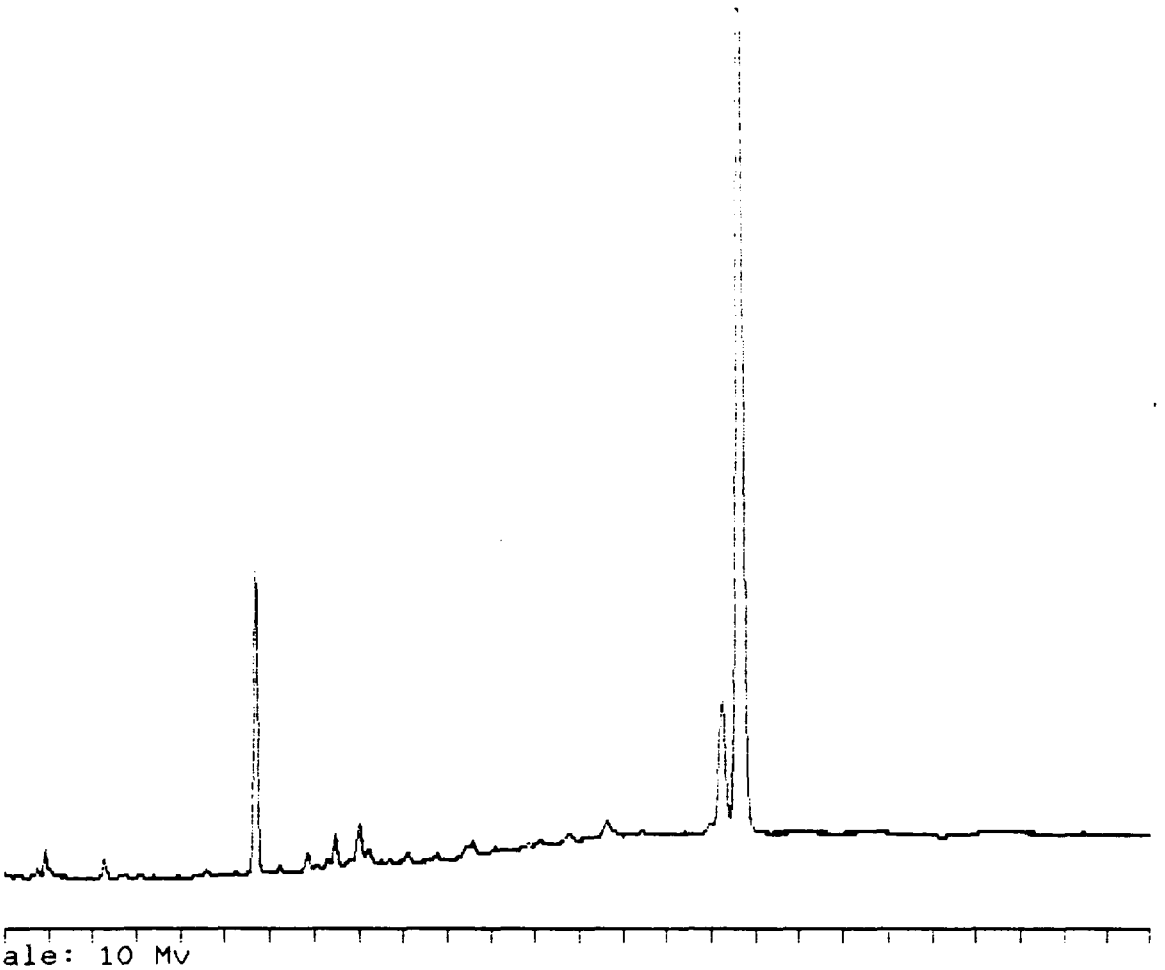
* Detector 0: Detector 1: FID *

* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.753		0.0100	0.0007%	100	48	2.1	1			1.0000E-04
2	4.937		0.0161	0.0011%	161	57	2.8	1			1.0000E-04
3	7.033		2.1140	0.1414%	21140	3836	5.5	1			1.0000E-04
4	8.620		31.1826	2.0862%	311826	50801	6.1	1			1.0000E-04
5	9.240		10.4166	0.6969%	104166	16192	6.4	2			1.0000E-04
6	9.517		16.8573	1.1278%	168573	28727	5.9	2			1.0000E-04
7	9.603		105.7096	7.0724%	1057096	160113	6.6	2			1.0000E-04
8	10.257		40.2381	2.6921%	402382	61114	6.6	2			1.0000E-04
9	10.537		0.3639	0.0243%	3639	647	5.6	2			1.0000E-04
10	10.867		138.1685	9.2441%	1381685	195097	7.1	2			1.0000E-04
11	11.077		37.4800	2.5081%	374800	55557	6.7	2			1.0000E-04
12	11.313		96.9672	6.4875%	969672	139366	7.0	2			1.0000E-04
13	11.820		78.4548	5.2490%	784548	87757	8.9	2			1.0000E-04
14	12.023		339.4847	22.7130%	3394847	406950	8.3	2			1.0000E-04
15	12.293		32.5824	2.1799%	325824	42639	7.6	2			1.0000E-04
16	12.497		36.3594	2.4326%	363594	37648	9.7	2			1.0000E-04
17	12.800		10.6193	0.7105%	106193	16430	6.5	2			1.0000E-04
18	13.110		84.2987	5.6399%	842987	86246	9.8	2			1.0000E-04
19	13.590		29.5873	1.9795%	295873	26890	11.0	2			1.0000E-04
20	13.767		42.7042	2.8571%	427042	52967	8.1	2			1.0000E-04
21	14.110		8.8229	0.5903%	88229	7942	11.1	2			1.0000E-04
22	14.443		93.2046	6.2358%	932046	87414	10.7	2			1.0000E-04
23	14.577		82.6748	5.5312%	826748	90329	8.4	2			1.0000E-04
24	15.060		37.7526	2.5258%	377526	29254	12.9	2			1.0000E-04
25	15.287		19.2753	1.2896%	192753	24320	7.9	2			1.0000E-04
26	15.460		2.4556	0.1643%	24556	3985	6.2	2			1.0000E-04
27	15.590		2.2458	0.1503%	22458	3595	6.2	2			1.0000E-04
28	15.747		5.4591	0.3652%	54591	8538	6.4	2			1.0000E-04
29	15.863		10.4811	0.7012%	104811	12589	8.3	2			1.0000E-04
30	16.127		26.5001	1.7730%	265001	27552	9.6	2			1.0000E-04
31	16.467		4.6707	0.3125%	46707	5107	9.1	2			1.0000E-04
32	16.753		34.4693	2.3061%	344693	35643	9.7	2			1.0000E-04
33	17.117		3.4569	0.2313%	34569	3636	9.5	2			1.0000E-04
34	17.297		4.5977	0.3076%	45977	5972	7.7	2			1.0000E-04
35	17.510		12.8333	0.8586%	128333	14318	9.0	2			1.0000E-04
36	17.940		0.5367	0.0355%	5367	898	5.9	2			1.0000E-04
37	18.123		8.5376	0.5712%	85376	9449	9.0	2			1.0000E-04
38	18.567		0.0413	0.0028%	413	89	4.6	1			1.0000E-04
39	19.010		1.9516	0.1306%	19516	2106	9.3	1			1.0000E-04
40	19.360		0.0410	0.0027%	410	68	6.0	1			1.0000E-04
41	19.727		0.0829	0.0591%	8829	1129	7.8	1			1.0000E-04
42	20.240	DBC	0.0659	0.0044%	10031	1100	9.1	1	42	0	6.5706E-06
43	20.677		0.0185	0.0012%	185	43	4.3	1			1.0000E-04
44	21.450		0.0829	0.0055%	829	93	9.0	1			1.0000E-04

TOTAL AMT 1494.6743



30 Min Scale: 10 MV
IL Processed: 12-11-1991 05:31:01, segment 3, cycle 21
RAW DATA SAVED IN FILE D:RE12621.PTS

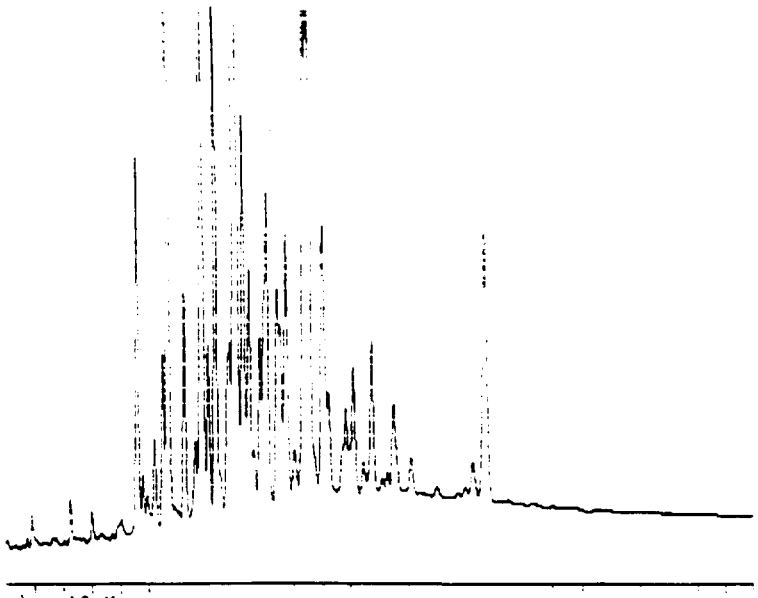
***** EXTERNAL STANDARD TABLE *****

********** 12-11-1991 05:32:39 Version 5.1 **********
* Sample Name: SOIL Data File: D:RE12621 *
* Date: 12-11-1991 14:08:18 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 21 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.923		0.0192	0.5149%	192	70	2.7	1			1.0000E-04
	9.677		1.9546	52.3389%	19546	3245	6.0	1			1.0000E-04
3	11.470		0.0293	0.7835%	293	71	4.1	1			1.0000E-04
4	12.013		0.0357	0.9565%	357	73	4.9	1			1.0000E-04
5	20.240		1.2630	33.8199%	12630	1296	9.7	2			1.0000E-04
6	20.657	DBC	0.4327	11.5862%	111393	10597	10.5	2	6	0	3.8843E-06

TOTAL AMOUNT = 3.7345



4-30 Min Scale: 10 MV
SW-5 Processed: 12-11-1991 06:07:49, segment 4, cycle 22
RAW DATA SAVED IN FILE D:RE12622.PTS

EXTERNAL STANDARD TABLE

12-11-1991 06:09:31 Version 5.1

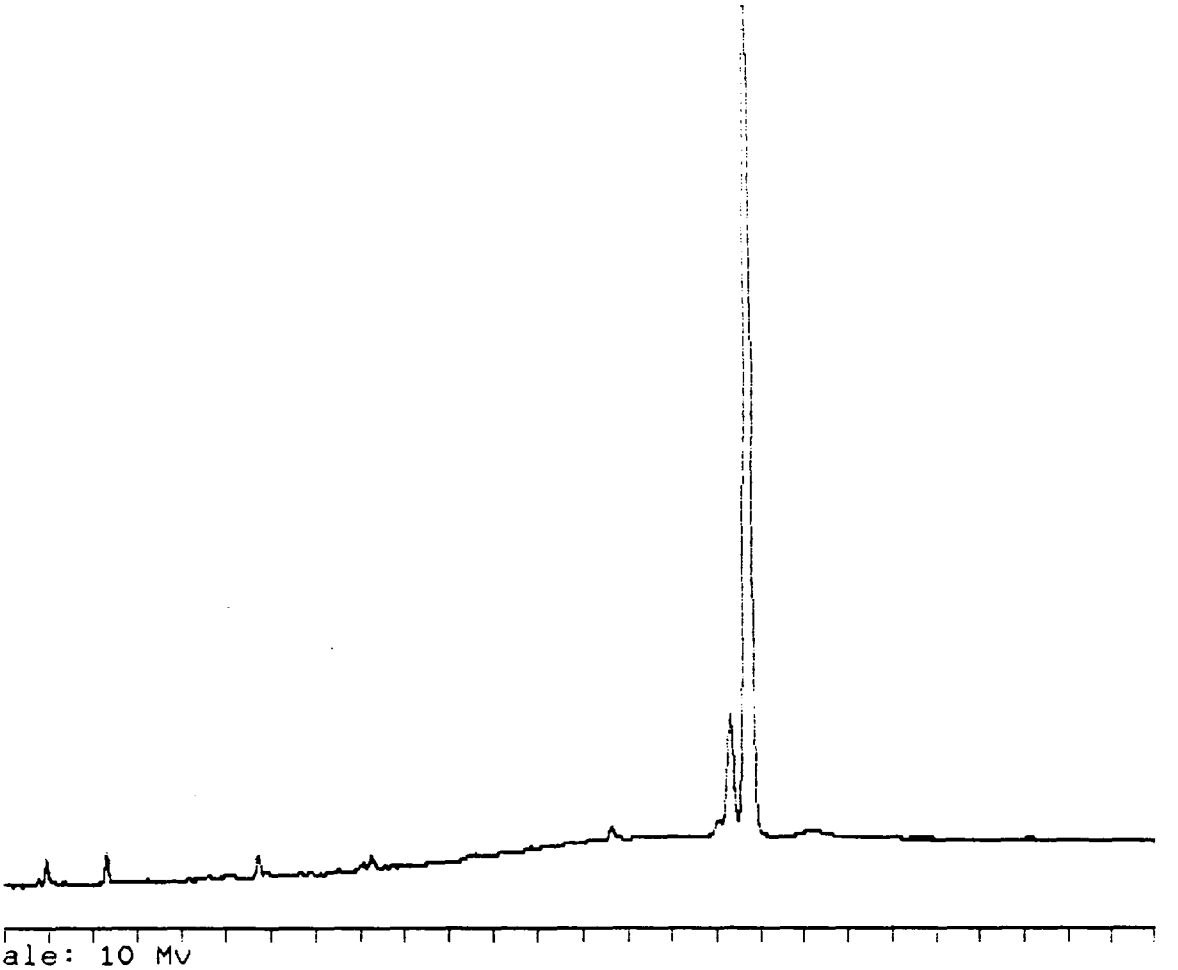
Sample Name: SW-5 Data File: D:RE12622
Date: 12-11-1991 15:21:57 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 22 Operator Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: ~~1.00~~
Sample Weight: 1.00000

NUM	TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	PL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.740		0.0124	0.0112%	124	58	2.1	1			1.0000E-04
2	4.917		0.1798	0.1626%	1798	427	4.2	1			1.0000E-04
3	6.267		0.3299	0.2983%	3299	668	4.9	1			1.0000E-04
4	7.017		0.2338	0.2115%	2338	446	5.2	1			1.0000E-04
5	7.913		0.0165	0.0149%	165	46	3.6	1			1.0000E-04
6	8.667		3.7801	3.4184%	37801	6111	6.2	2			1.0000E-04
7	8.913		0.4121	0.3727%	4121	759	5.4	2			1.0000E-04
8	8.967		0.1645	0.1488%	1645	319	5.2	2			1.0000E-04
9	9.217		0.8178	0.7395%	8178	1326	6.2	1			1.0000E-04
10	9.503		1.6356	1.4791%	16356	2831	5.8	2			1.0000E-04
11	9.677		8.0240	7.2596%	80240	13600	6.5	2			1.0000E-04
12	10.247		2.5015	2.2622%	25015	4140	6.0	1			1.0000E-04
13	10.623		0.6627	0.5993%	6627	1113	6.0	2			1.0000E-04
14	10.853		9.4343	8.5314%	94343	12112	7.8	2			1.0000E-04
15	11.070		1.6235	1.4682%	16235	2689	6.0	2			1.0000E-04
16	11.310		5.4449	4.9239%	54449	8937	6.1	1			1.0000E-04
17	11.807		2.7359	2.4741%	27359	2743	10.0	2			1.0000E-04
18	12.010		21.4402	19.3957%	214402	24951	8.6	2			1.0000E-04
19	12.287		4.8814	4.4142%	48814	6486	7.5	2			1.0000E-04
20	12.500		2.9906	2.7116%	29906	3925	7.6	2			1.0000E-04
21	12.657		0.5544	0.5014%	5544	873	6.3	2			1.0000E-04
22	12.873		1.7864	1.6154%	17864	2791	6.4	2			1.0000E-04
23	13.110		5.6354	5.0962%	56354	5172	10.9	2			1.0000E-04
24	13.473		2.4519	2.2172%	24519	3553	6.9	2			1.0000E-04
25	13.577		1.8720	1.6928%	18720	2877	6.5	2			1.0000E-04
26	13.780		3.5841	3.2411%	35841	4376	8.2	2			1.0000E-04
27	14.057		0.0693	0.0627%	693	143	4.9	1			1.0000E-04
28	14.440		7.6822	6.9471%	76822	8432	9.1	2			1.0000E-04
29	14.573		6.7150	6.0724%	67150	9165	7.3	2			1.0000E-04
30	15.057		4.4919	4.0620%	44919	4464	10.1	2			1.0000E-04
31	15.273		1.0755	0.9725%	10755	1604	6.7	2			1.0000E-04
32	15.860		1.3889	1.2560%	13889	1367	10.2	2			1.0000E-04
33	16.120		1.6124	1.4581%	16124	2097	7.7	2			1.0000E-04
34	16.457		0.0481	0.0435%	481	94	5.1	1			1.0000E-04
35	16.750		1.8313	1.6560%	18313	2473	7.4	1			1.0000E-04
	7.290		0.0249	0.0225%	249	58	4.3	1			1.0000E-04
	507		1.3186	1.1924%	13186	1427	9.2	1			1.0000E-04
	.117		0.0479	0.0433%	479	94	5.1	1			1.0000E-04
39	20.253		0.0552	0.0499%	552	93	5.9	1			1.0000E-04
40	20.600	BBC	0.1996	0.1805%	46977	4557	10.3	1	40	0	4.2488E-06

TOTAL AMOUNT = 110.5822



30 Min Scale: 10 MV
Processed: 12-11-1991 06:44:26, segment 5, cycle 23
RAW DATA SAVED IN FILE D:RE12623.PTS

EXTERNAL STANDARD TABLE

********** 12-11-1991 06:46:03 Version 5.1 **********

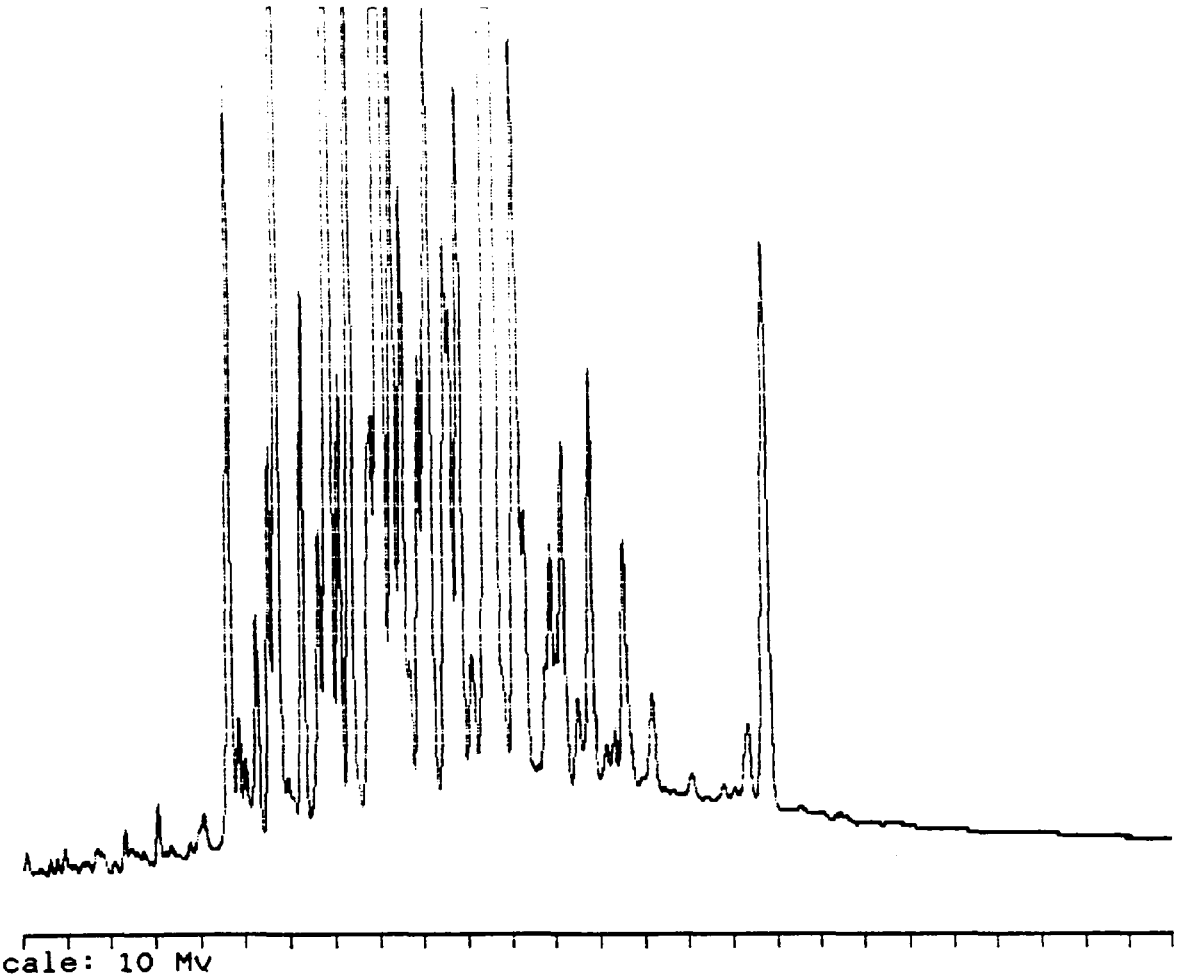
* Sample Name: H20 Data File: D:RE12623 *
* Date: 12-11-1991 16:35:07 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 23 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.947		0.0223	1.3014%	223	84	2.7 1			1.0000E-04
	6.300		0.1246	7.2790%	1246	264	4.7 1			1.0000E-04
	9.713		0.0159	0.9264%	159	52	3.1 1			1.0000E-04
4	20.310		1.1330	66.1755%	11330	1171	9.7 2			1.0000E-04
5	20.730	DBC	0.4163	24.3178%	106873	10172	10.5 2	5	0	3.8956E-06

TOTAL AMOUNT = 1.7121



-30 Min Scale: 10 MV
J-35 Processed: 12-11-1991 07:20:45, segment 6, cycle 24
`ATA SAVED IN FILE D:RE12624.PTS

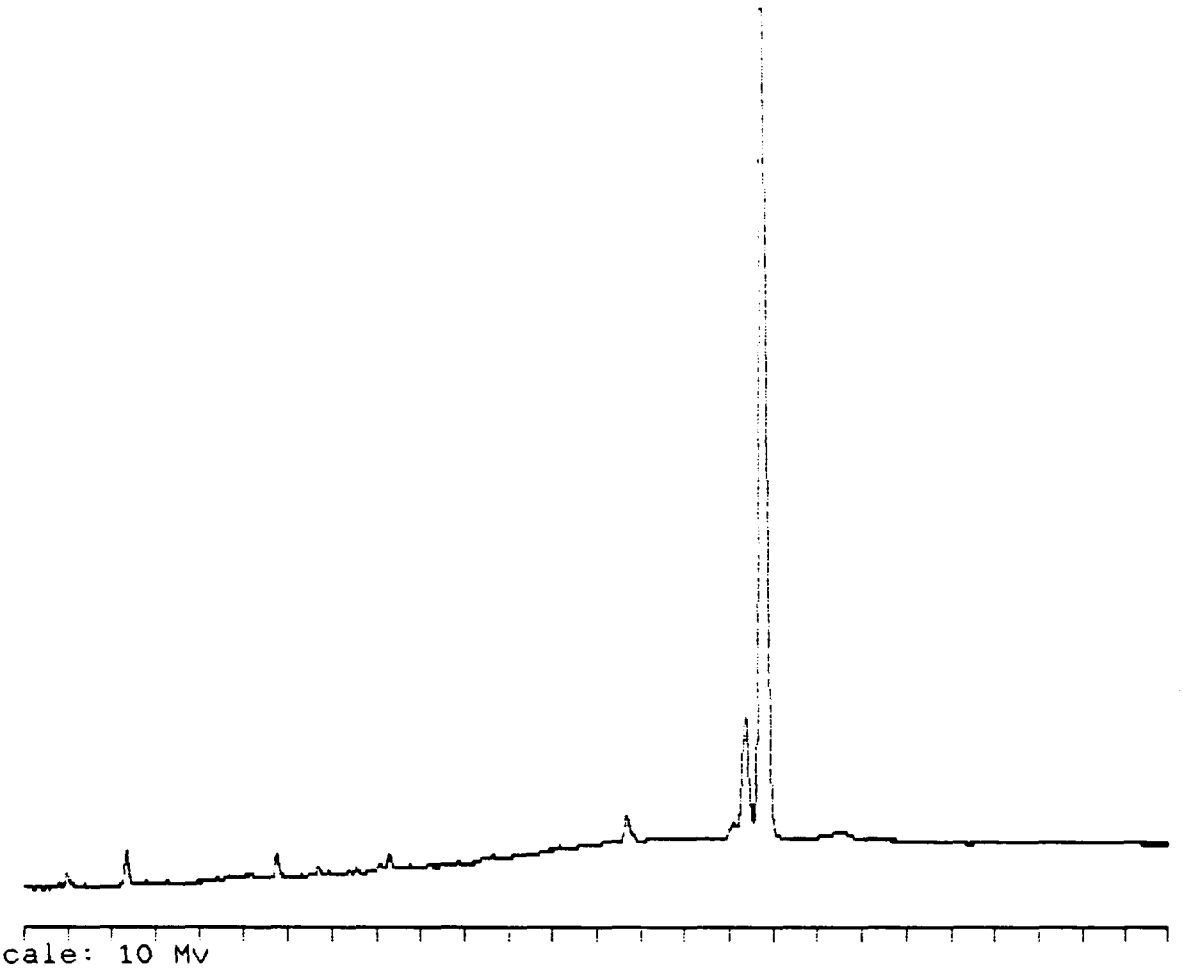
***** EXTERNAL STANDARD TABLE *****

********** 12-11-1991 07:22:27 Version 5.1 **********
Sample Name: SW-35 Data File: D:RE12624 *
Date: 12-11-1991 17:47:47 Method: PCB 12-10-1991 10:26:32 # 24 *
Interface: 16 Cycle#: 24 Operator Channel#: 0 Vial#: N.A. *
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
Instrument Type: TRACOR 540 Column Type: SPB-5 *
Solvent Description: *
Conditions: pro #2 *
Detector 0: Detector 1: FID *
Misc. Information: 9 cc/min He *
****

tarting Delay: 4.00 Ending retention time: 30.00
rea reject: 10 One sample per 0.200 sec.
mount injected: 1.00 Dilution factor: 1.00
ample Weight: 1.00000

AK UM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	16.807		3.5396	2.0625%	35396	4460	7.9	2			1.0000E-04
4	17.167		0.0342	0.0199%	342	71	4.8	1			1.0000E-04
5	17.343		0.2356	0.1373%	2356	423	5.6	2			1.0000E-04
	`.567		2.2825	1.3300%	22825	2584	8.8	2			1.0000E-04
	..183		0.7638	0.4451%	7638	952	8.0	1			1.0000E-04
48	20.343		0.0793	0.0462%	793	103	7.7	1			1.0000E-04
49	20.770	DBC	0.2563	0.1493%	62634	6021	10.4	1	49	0	4.0913E-06

TOTAL AMOUNT = 171.6132



30 Min Scale: 10 Mv

Processed: 12-11-1991 07:57:16, segment 7, cycle 25

RAW DATA SAVED IN FILE D:RE12625.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-11-1991 07:58:57 Version 5.1 **********

* Sample Name: H20 Data File: D:RE12625 *

* Date: 12-11-1991 19:00:50 Method: PCB 12-10-1991 10:26:32 # 24 *

* Interface: 16 Cycle#: 25 Operator Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *

* Instrument Type: TRACOR 540 Column Type: SPB-5 *

* Solvent Description: *

* Conditions: pro #2 *

* Detector 0: Detector 1: FID *

* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00

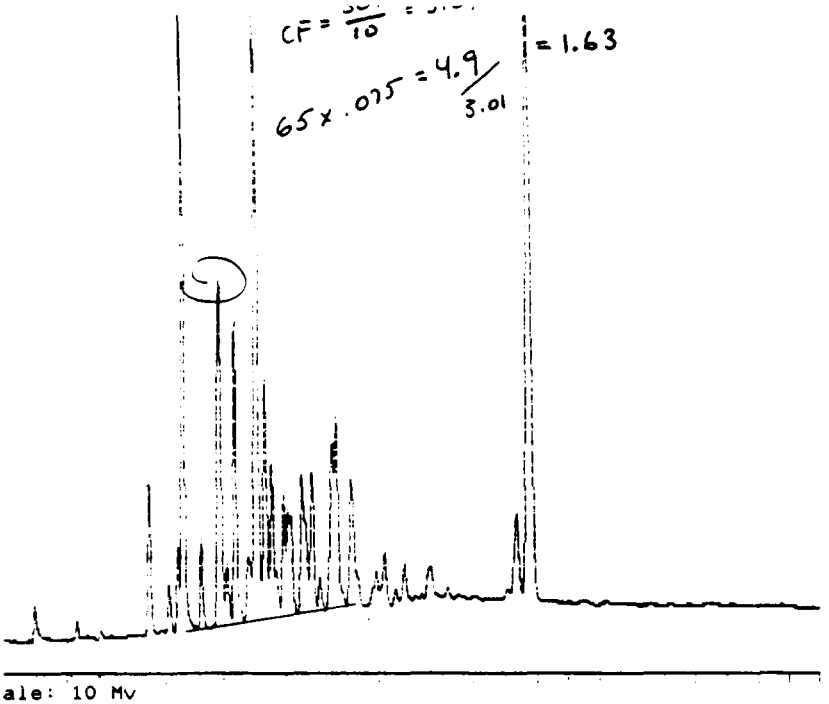
Area reject: 10 One sample per 0.200 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	6.330		0.1515	21.0113%	1515	319	4.7	1			1.0000E-04
	9.743		0.0237	3.2906%	237	70	3.4	1			1.0000E-04
	17.687		0.0196	2.7135%	196	42	4.6	1			1.0000E-04
4	20.363		0.1056	14.6466%	1056	148	7.1	1			1.0000E-04
5	20.783	OBC	0.4205	58.3380%	108033	10343	10.4	1	5	0	3.8926E-06

TOTAL AMOUNT = 0.7208



4-30 Min Scale: 10 Mv
SD-2 Processed: 12-11-1991 08:33:35, segment 8, cycle 26
RAW DATA SAVED IN FILE D:RE12626.PTS

EXTERNAL STANDARD TABLE

12-11-1991 08:35:17 Version 5.1

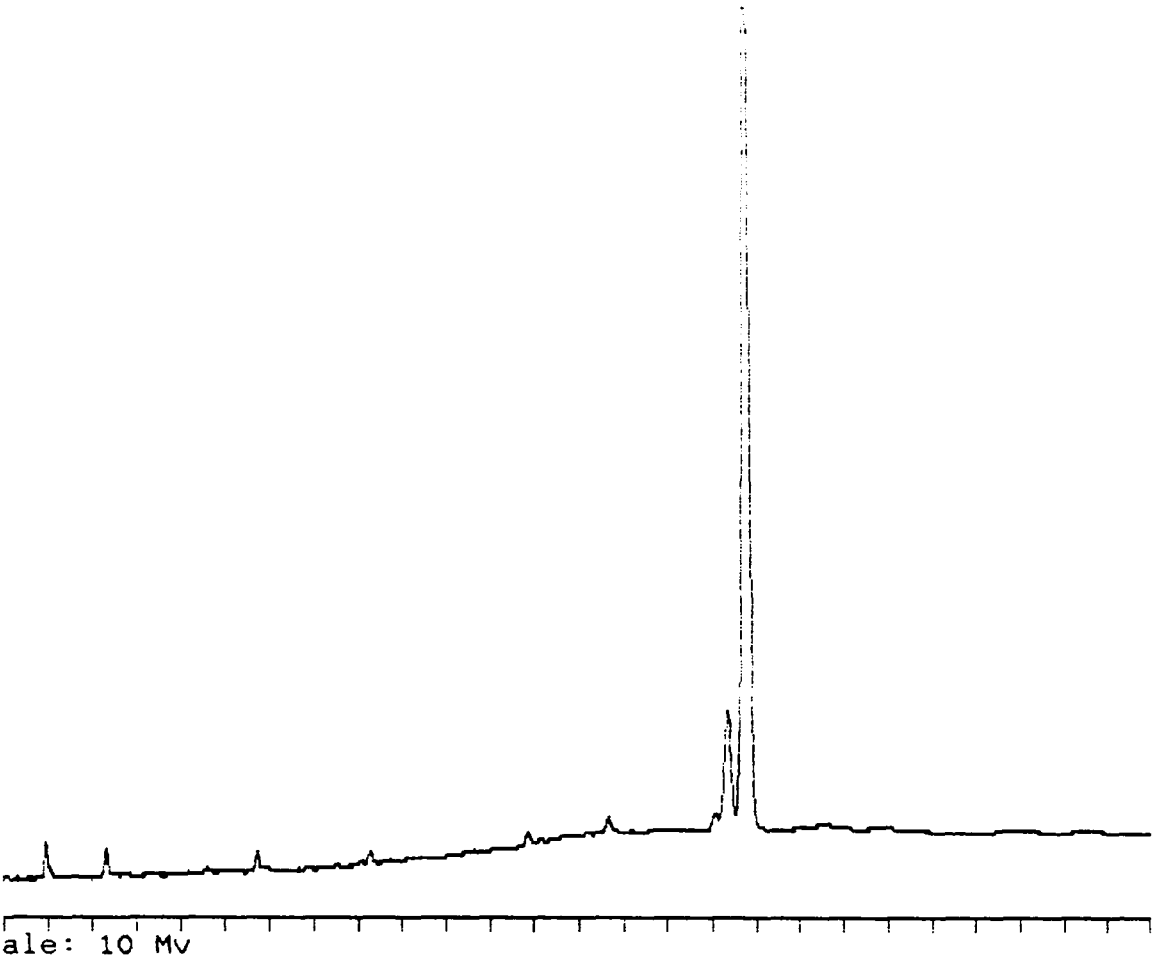
Sample Name: SD-2 Data File: D:RE12626
Date: 12-11-1991 20:13:29 Method: PCB 12-10-1991 10:26:32 # 24
Interface: 16 Cycle#: 26 Operator Channel#: 0 Vial#: N.A.
Starting Peak Width: 2 Threshold: 5 Area Threshold: 10

Instrument Type: TRACOR 540 Column Type: SPB-5
Solvent Description:
Conditions: pro #2
Detector 0: Detector 1: FID
Misc. Information: 9 cc/min He

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: ~~1.00~~
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppm	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK		% DELTA RET TIME	CONC/AREA
1	4.973		0.2179	0.5375%	2179	491	4.4	1				1.0000E-04
2	6.350		0.0217	0.0536%	217	67	3.3	1				1.0000E-04
3	8.686		1.3414	3.3088%	13414	2265	5.9	1				1.0000E-04
4	9.297		0.3985	0.9827%	3985	671	5.9	1				1.0000E-04
5	9.580		0.7021	1.7314%	7021	1243	5.7	2				1.0000E-04
6	9.757		5.9933	14.7804%	59933	9390	6.4	2				1.0000E-04
7	10.323		0.7898	1.9478%	7898	1335	5.9	1				1.0000E-04
8	10.903		5.0304	12.4057%	50304	5231	9.6	2				1.0000E-04
9	11.150		0.5313	1.3104%	5313	843	6.3	2				1.0000E-04
10	11.397		2.7469	6.7744%	27469	4410	6.2	1				1.0000E-04
11	11.817		0.0809	0.1996%	809	180	4.5	1				1.0000E-04
12	12.090		6.7905	16.7464%	67905	8588	7.9	1				1.0000E-04
13	12.370		1.8335	4.5217%	18335	3059	6.0	2				1.0000E-04
14	12.587		0.9778	2.4114%	9778	1770	5.5	2				1.0000E-04
15	12.953		1.0947	2.6997%	10947	1738	6.3	2				1.0000E-04
16	13.097		0.9596	2.3666%	9596	1542	6.2	2				1.0000E-04
17	13.190		0.8951	2.2074%	8951	1442	6.2	2				1.0000E-04
18	13.550		0.6835	1.6857%	6835	1259	5.4	1				1.0000E-04
19	13.877		1.2402	3.0584%	12402	1798	6.9	1				1.0000E-04
20	14.123		0.2382	0.5874%	2382	389	6.1	1				1.0000E-04
21	14.530		1.9523	4.8147%	19523	2341	8.3	2				1.0000E-04
22	14.657		1.9415	4.7880%	19415	2722	7.1	2				1.0000E-04
23	15.140		1.4661	3.6155%	14661	1709	8.6	1				1.0000E-04
24	15.937		0.2500	0.6166%	2500	315	8.0	1				1.0000E-04
25	16.197		0.3921	0.9669%	3921	638	6.1	1				1.0000E-04
26	16.537		0.0169	0.0416%	169	40	4.3	1				1.0000E-04
	16.827		0.3277	0.8082%	3277	501	6.5	1				1.0000E-04
	17.650		0.1172	0.2891%	1172	88	13.4	1				1.0000E-04
	20.367		1.1047	2.7243%	11047	1187	9.3	2				1.0000E-04
30	20.783	DBC	0.4131	1.0187%	105976	10134	10.5	2	30		0	3.8979E-06

TOTAL AMOUNT = 40.5490



30 Min Scale: 10 MV
fL Processed: 12-11-1991 09:09:53, segment 9, cycle 27
End of sequence file reached at cycle 27
RAW DATA SAVED IN FILE D:RE12627.PTS

EXTERNAL STANDARD TABLE

********** 12-11-1991 09:11:31 Version 5.1 **********
* Sample Name: SOIL Data File: D:RE12627 *
* Date: 12-11-1991 21:26:04 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 27 Operator Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	4.957		0.1224	15.7112%	1224	303	4.0 1			1.0000E-04
	6.307		0.1125	14.4344%	1125	242	4.6 1			1.0000E-04
3	9.723		0.0190	2.4408%	190	55	3.5 1			1.0000E-04
4	20.343		0.0993	12.7456%	993	149	6.7 1			1.0000E-04
5	20.767	DBC	0.4260	54.6680%	109545	10438	10.5 1	5	0	3.8888E-06

TOTAL AMOUNT = 0.7793

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #7					
87*	1254	PCB	RE12628	12/11/91 10:12:42	
88	1248	PCB	RE12629	12/11/91 10:49:13	Miss; rerun at #100
89*	1242	PCB	RE12630	12/11/91 11:25:44	
90*	1232	PCB	RE12631	12/11/91 12:02:26	
91*	1016	PCB	RE12632	12/11/91 12:39:27	
92*	1221, 1260	PCB	RE12633	12/11/91 13:14:40	
100	AROCLOR 1248	PCB	RE12640	12/11/91 18:34:16	Miss; rerun at #100
101*	AROCLOR 1248	PCB	RE12641	12/11/91 19:10:30	
102	BLK MTD H_20 12/8	PCB	RE12642	12/11/91 21:04:26	
103	MTD BLK Soil 12/8	PCB	RE12645	12/11/11 21:39:15	Full disc at DATA file RE 1264
104	SD-3	PCB	RER156	12/12/91 08:03:33	500ul - 1ml
105	MTD BLK Soil	PCB	RER157	12/12/91 08:15:08	
106	SD-4	PCB	RER158	12/12/91 08:18:40	500ul - 1 ml

* = Samples used for Quantitative Analysis.

H182:10

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE (CONTINUED)

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #7					
107	MTD BLK Soil	PCB	RER159	12/12/91 08:25:03	
108	SD-15	PCB	RER160	12/12/91 08:30:06	500ul - 1ml
109	MTD BLK Soil	PCB	RER161	12/12/91 08:35:10	
110	SD-16	PCB	RER162	12/12/91 08:39:53	500ul - 1ml
111	MTD BLK Soil	PCB	RER163	12:12:91 08:45:02	
112	SD-16D	PCB	RER164	12/12/91 08:49:45	500ul - 1ml
113	MTD BLK Soil	PCB	RER165	12/12/91 08:54:44	
114	SD-5	PCB	RER166	12/12/91 08:59:25	500ul - 1ml
114*	SW-5	PCB	RER167	12/12/91 09:08:23	500ul - 1ml
116*	SW-35	PCB	RER168	12/12/91 09:13:22	500ul - 1ml
117	SD-3	PCB	RER22	12/12/91 12:32:07	10ul - 1ml
118*	SD-4	PCB	RER23	12/12/91 13:07:45	10ul - 1ml
119*	SD-15	PCB	RER24	12/12/91 13:45:55	10ul - 1ml

* = Samples used for Quantitative Analysis.

BENNINGTON LANDFILL - LFI
DAILY ANALYSIS SEQUENCE (CONTINUED)

NO.	SAMPLE	MTD FILE	DATA FILE	DATE TIME	DILUTIONS & COMMENTS
CAL CHK #7 (CONTINUED)					
120*	SD-16	PCB	RER25	12/12/91 14:22:33	10ul - 1ml
121*	SD-16D	PCB	RER26	12/12/91 14:59:03	10ul - 1ml

* = Samples used for Quantitative Analysis.

PESTICIDE AND PCB DAILY STANDARD CHECK

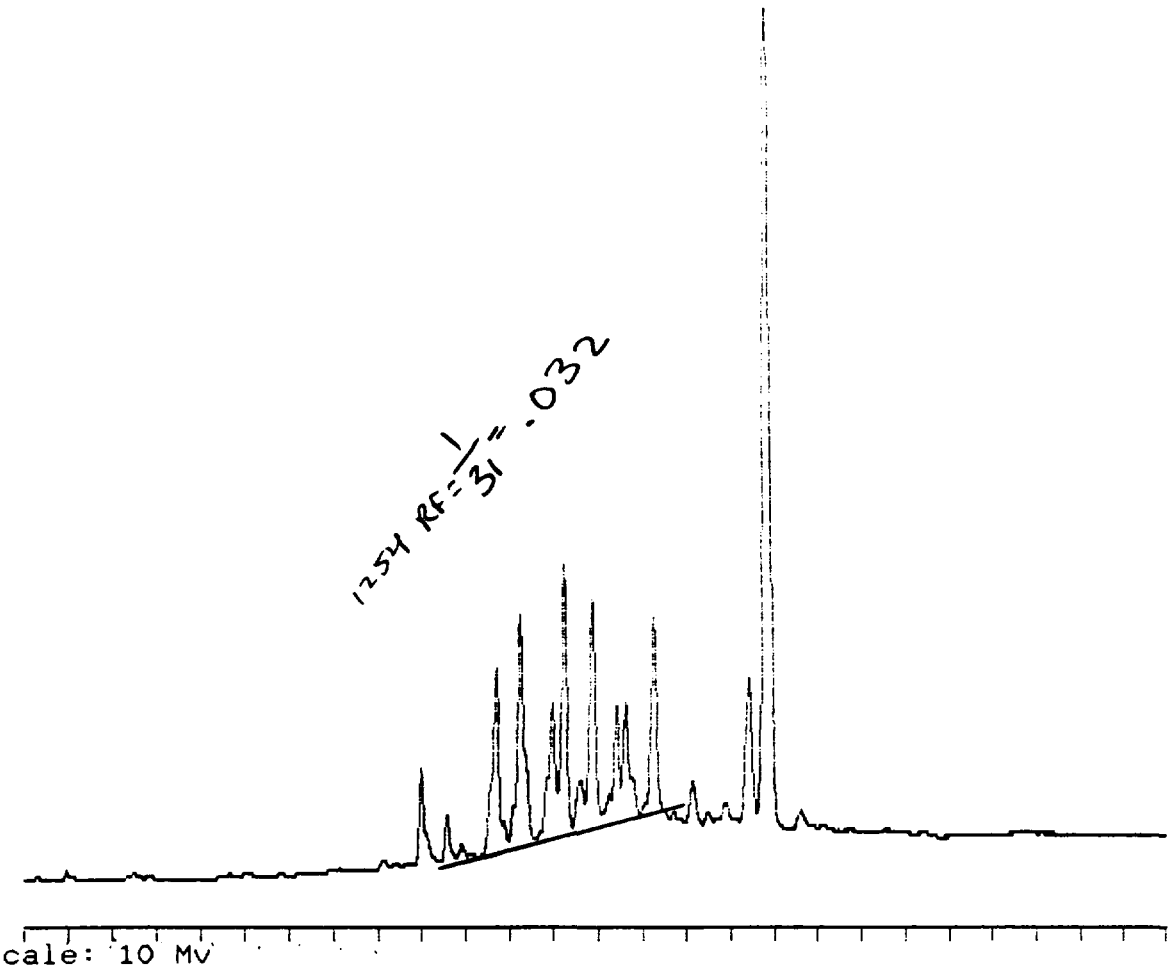
Calibration Dates: 12/04/91 Check Standard Date: 12/11/91

Instrument I.D.: GC B Analyst: M.P. #7

Compound	Calibration Avg. rf	Check Standard rf	% Difference
alpha-BHC			
gamma-BHC			
beta-BHC			
delta-BHC			
Heptachlor			
Aldrin			
Heptachlor epoxide			
Endosulfan I			
4-4'-DDE			
Dieldrin			
Endrin			
4-4'-DDD			
Endosulfan II			
4-4'-DDT			
Endrin Aldehyde			
Endosulfan Sulfate			
Methoxychlor			
DBC			
Toxaphene			
Chlordane			
Aroclor-1016 RT 10.88	.062	.061	1.6
Aroclor-1221 RT 7.14	.176	.167	5.1
Aroclor-1232 RT 9.78	.133	.125	6.0
Aroclor-1242 RT 10.82	.075	.074	1.3
Aroclor-1248 RT 12.05	.066	.057	13.6
Aroclor-1254 RT 15.04	.037	.032	13.5
Aroclor-1260 RT 18.23	.041	.038	7.3

% Difference must be <15 for EPA Methods 608 and SW-846 8080

SEQUENCE RECORDED IN D:RERUN.SEQ



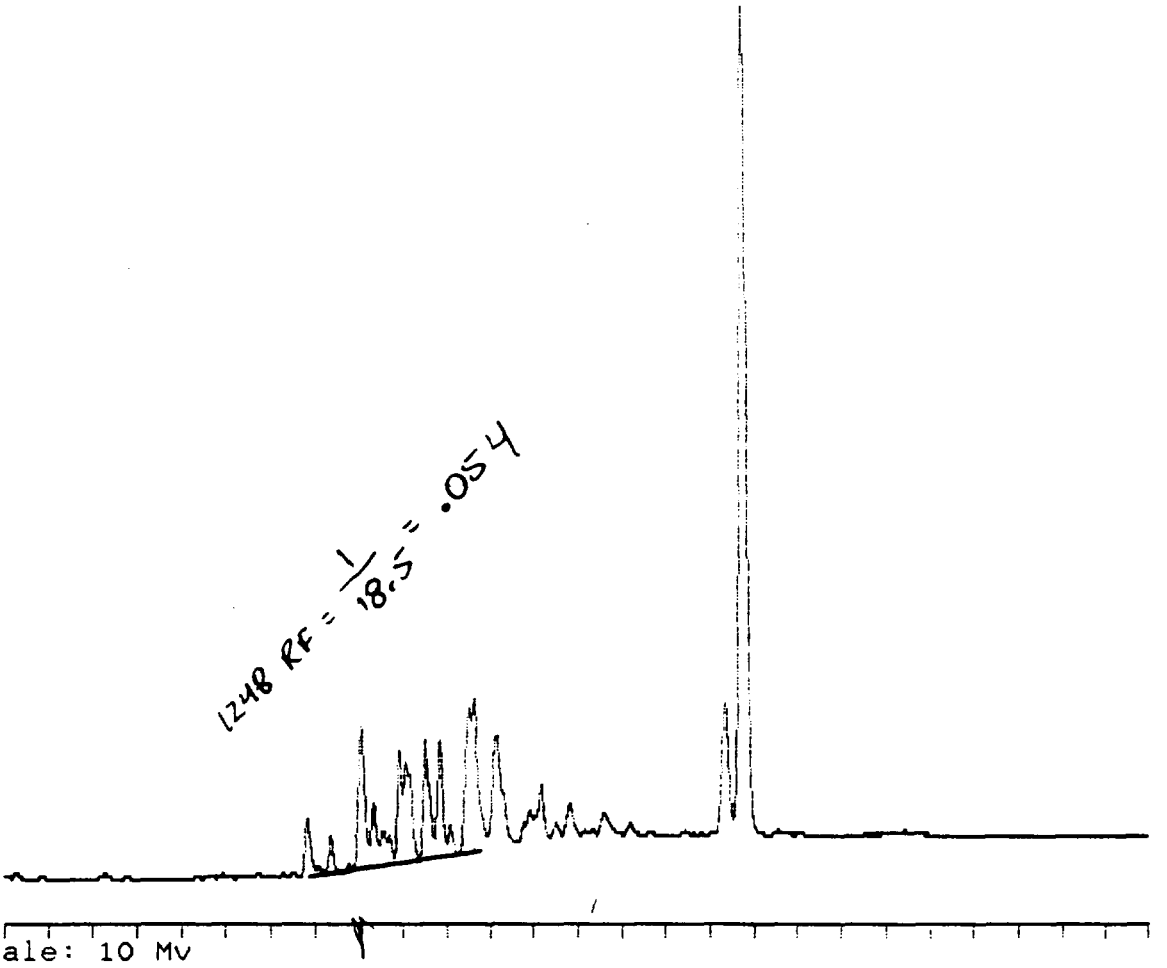
30 Min Scale: 10 MV
CK54 Processed: 12-11-1991 10:11:01, segment 1, cycle 28
RAW DATA SAVED IN FILE D:RE12628.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-11-1991 10:12:42 Version 5.1 **********
* Sample Name: CK54 Data File: D:RE12628 *
* Date: 12-11-1991 10:12:15 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 28 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	13.000		0.4983	3.6244%	4984	847	5.9	1			1.0000E-04
	13.587		0.2302	1.6745%	2302	406	5.7	1			1.0000E-04
3	14.713		1.5788	11.4822%	15788	1797	8.8	1			1.0000E-04
4	15.107		0.0583	0.4239%	583	133	4.4	2			1.0000E-04
5	15.260		1.1836	8.6083%	11836	1842	6.4	2			1.0000E-04
6	15.867		0.2585	1.8800%	2585	570	4.5	2			1.0000E-04
7	15.983		1.0090	7.3384%	10090	1361	7.4	2			1.0000E-04



-30 Min Scale: 10 Mv
:48 Processed: 12-11-1991 10:47:34, segment 2, cycle 29
RAW DATA SAVED IN FILE D:RE12629.PTS

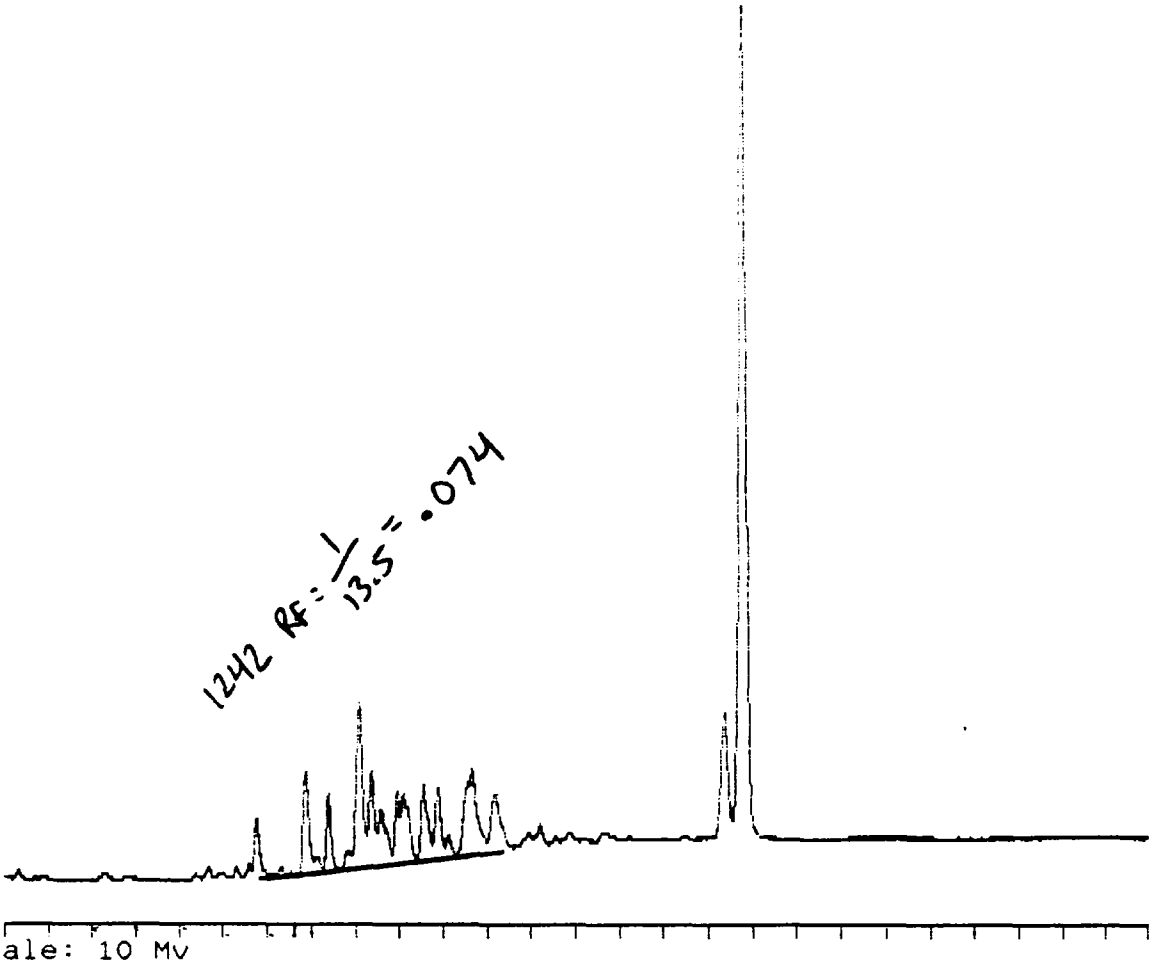
***** EXTERNAL STANDARD TABLE *****

********** 12-11-1991 10:49:13 Version 5.1 **********

* Sample Name: CK48 Data File: D:RE12629 *
* Date: 12-11-1991 11:25:22 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 29 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *

Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	10.830		0.0550	0.6363%	550	140	3.9	1			1.0000E-04
2	11.363		0.1936	2.2410%	1936	333	5.8	1			1.0000E-04
3	12.063		1.3126	15.1915%	13126	1443	9.1	2			1.0000E-04
4	12.347		0.2915	3.3737%	2915	472	6.2	2			1.0000E-04
5	12.923		0.4794	5.5485%	4794	863	5.6	2			1.0000E-04
6	13.063		0.1651	1.9109%	1651	333	5.0	2			1.0000E-04
7	13.520		1.1339	13.1230%	11339	1237	9.2	2			1.0000E-04
8	13.857		0.8610	9.9647%	8610	1131	7.6	2			1.0000E-04



-30 Min Scale: 10 Mv
42 Processed: 12-11-1991 11:24:05, segment 3, cycle 30
RAW DATA SAVED IN FILE D:RE12630.PTS

***** EXTERNAL STANDARD TABLE *****

********** 12-11-1991 11:25:44 Version 5.1 **********
* Sample Name: CK42 Data File: D:RE12630 *
* Date: 12-11-1991 12:38:23 Method: PCB 12-10-1991 10:26:32 # 24 *
* Interface: 16 Cycle#: 30 Operator ML Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 2 Threshold: 5 Area Threshold: 10 *
****
* Instrument Type: TRACOR 540 Column Type: SPB-5 *
* Solvent Description: *
* Conditions: pro #2 *
* Detector 0: Detector 1: FID *
* Misc. Information: 9 cc/min He *
****
Starting Delay: 4.00 Ending retention time: 30.00
Area reject: 10 One sample per 0.200 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in PPM	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	9.757		0.3180	4.8675%	3180	515	6.2	1			1.0000E-04
	10.867		0.8500	13.0103%	8500	1032	8.2	1			1.0000E-04
	11.397		0.4746	7.2641%	4746	750	6.3	1			1.0000E-04
4	12.090		1.4418	22.0690%	14418	1583	9.1	2			1.0000E-04
5	12.370		0.4787	7.3278%	4787	726	6.6	2			1.0000E-04
6	12.587		0.1112	1.7023%	1112	224	5.0	2			1.0000E-04
7	12.950		0.2224	3.4037%	2224	433	5.1	2			1.0000E-04
8	13.090		0.0267	0.4086%	267	78	3.4	2			1.0000E-04