32501.032
03.02.32.0002
N00204.AR.000239
NAS PENSACOLA
5090.3a

VOLUME 2 OF 2

APPENDIX IX REPORT FOH MONITORING WELLS GM-66 AND UG-1 WASTEWATER TREATMENT FACILITY NAVAL AIR STATION, PENSACOLA, FLORIDA

July 1991

Prepared for:

DEPARTMENT OF THE NAVY
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive, P.O. Box 10068
Charleston, South Carolina 29411-0068

Contract Number N62467-88-C-0200

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International Specialists in the Environment

recycled paper

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Doc. Num. *46*

ATTACHMENT F

APPENDIX IX RAW LABORATORY DATA:

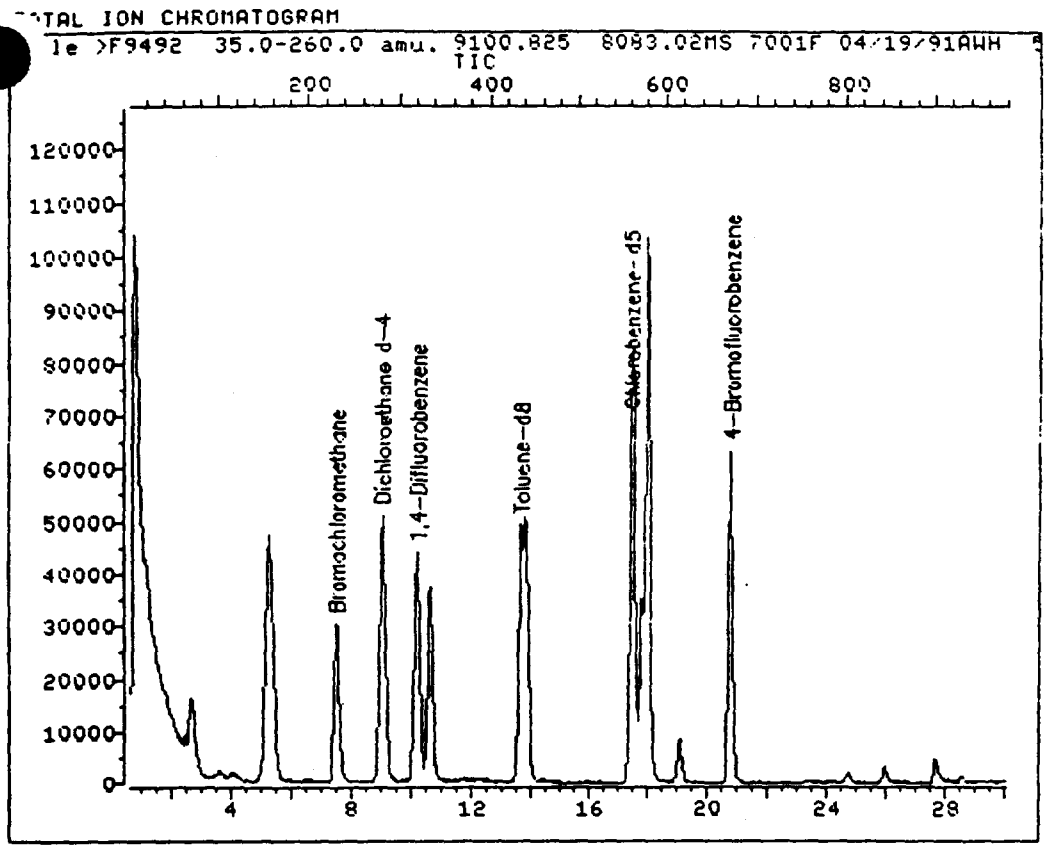
VOLATILE ORGANIC COMPOUNDS

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY OF SURROGATE SPIKES

9100.825

Compound	E Q E Laboratory No. 91-	Amount Added	Amount Determined	Percent Recovery
		(ug/L)		
1,2-dichloroethane-d4	8080	50	48	96
	8081	50	46	92
	8082	50	49	98
	8083	50	50	100
	Blank	50	50	100
toluene-d8	8080	50	49	98
	8081	50	48	96
	8082	50	49	98
	8083	50	50	100
	Blank	50	52	104
4-bromofluorobenzene	8080	50	46	92
	8081	50	44	88
	8082	50	44	88
	8083	50	44	88
	Blank	50	45	90

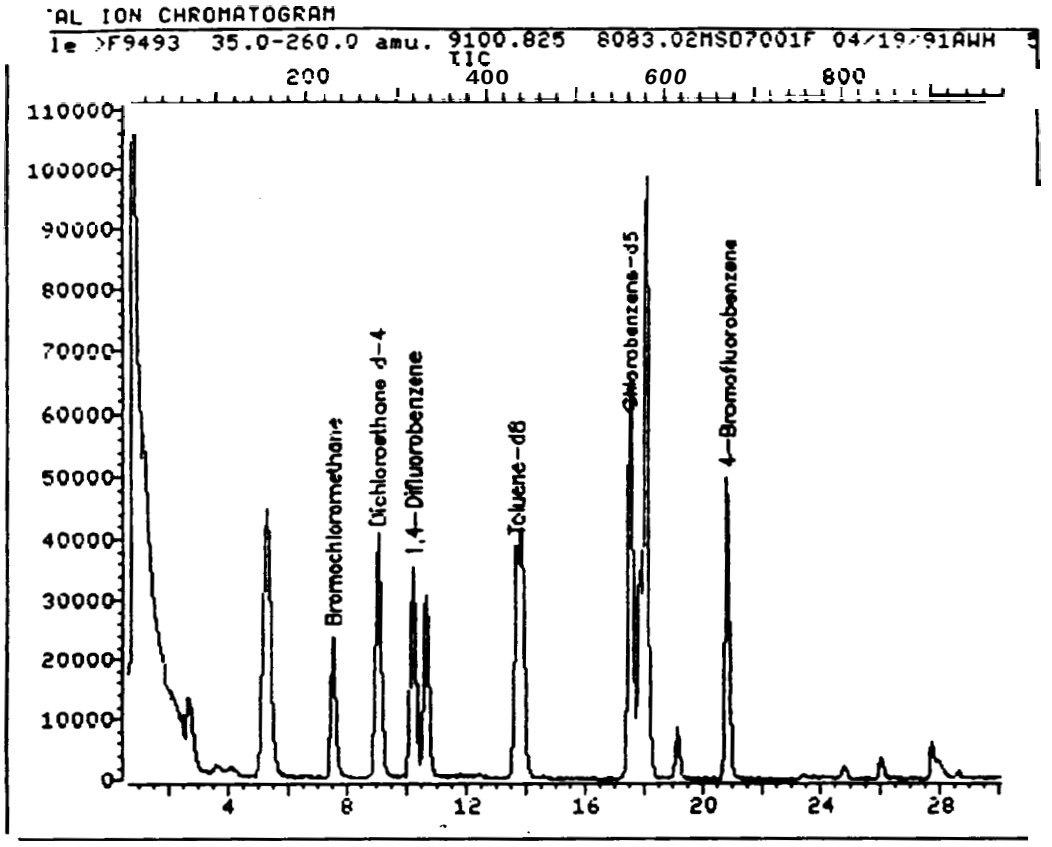
These recoveries are acceptable to E & E, Inc. guidelines.



Data File: >F9492::D6 Quant Output File: ^F9492::DB
Name: 9100.825 8083.02MS
Misc: 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/SS/MS+1UL CP)

Id File: COFWV1::D2
Title: VOA ID FILE FOR WATERS ON 7001F (CONT. CAL.)
Last Calibration: 910413 11:55

Operator ID: USER4
Quant Time: 910419 16:41
Injected at: 910419 16:10



Data File: >F9493::D6 Quant Output File: ^F9493::DB
Name: 9100.825 8083.02MSD
Misc: 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/SS/MS+1UL CP)

Id File: COFWV1::D2
Title: VOA ID FILE FOR WATERS ON 7001F (CONT. CAL.)
Last Calibration: 910419 11:55

Operator ID: USER4
Quant Time: 910419 17:18
Injected at: 910419 16:47

ECOLOGY AND ENVIRONMENT, INC.

RESULTS OF WATER ANALYSIS FOR TENTATIVELY IDENTIFIED
VOLATILE ORGANIC COMPOUNDS BY GC/MS

(all results in ug/L)

9100.825

E & E Lab. No. 91-	8080
Compound	
Nonanal Isomer (26.0)	510
Decanal Isomer (27.7)	870 B

B = Compound also detected in laboratory method blank.

** Values are approximate retention times.

QUANT REPORT

Operator ID: USER4 Quant Rev: 6 Quant Time: 910419 13:32
Input File: F9495::D8 Injected at: 910419 13:01
Data File: F9495::D6 Dilution Factor: 1.00000
Name: 9100.925 8080.02 Gm-66
Misc: 7001F 04/19/91HWH (50X/5MLS/1ML/50ML+10ULS IS/SS)

ID File: CCFWU1::D2
Title: VOA ID FILE FOR WATERS ON 7001F (CONT. CHL.)
Last Calibration: 910419 11:55

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	7.59	128.0	54469	50.00	UG/L	97
10)	Acetone	2.88	43.0	9622	17.26	UG/L φ	100
15)	1,1-Dichloroethene	2.70	96.0	5752	4.28	UG/L φ	97
17)	1,2-Dichloroethene (total)	6.87	96.0	31738	20.39	UG/L φ	91
24)	1,2-Dichloroethane-d4	9.12	65.0	102151	48.36	UG/L	100
27)	*1,4-Difluorobenzene	10.29	114.0	213446	50.00	UG/L	100
37)	Trichloroethene	10.71	130.0	286066	163.67	UG/L φ	100
45)	*Chlorobenzene-d5	17.55	117.0	168476	50.00	UG/L	100
53)	Toluene-d8	13.74	98.0	191641	49.32	UG/L	87
54)	Chlorobenzene	17.64	112.0	13563	4.25	UG/L φ	92
58)	Xylene (m + p)	18.12	106.0	2307	1.16	UG/L φ	88
61)	Bromofluorobenzene	20.91	95.0	136922	46.18	UG/L	97

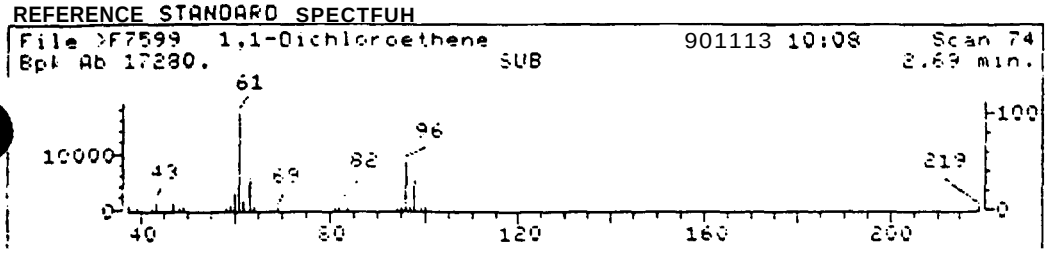
SJ

* Compound is ISTD

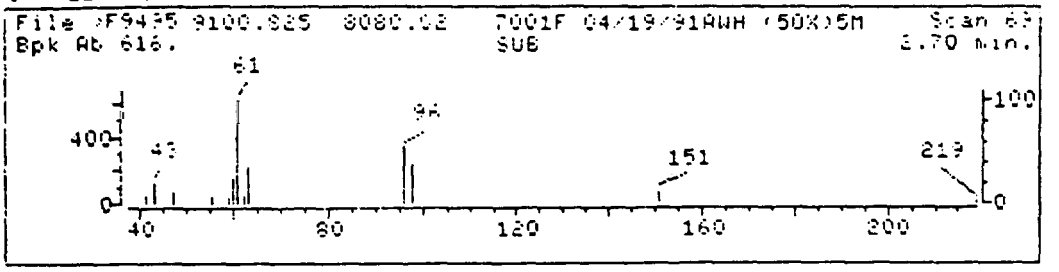
5/9/91 SMS

3200568

REFERENCE STANDARD SPECTFUH



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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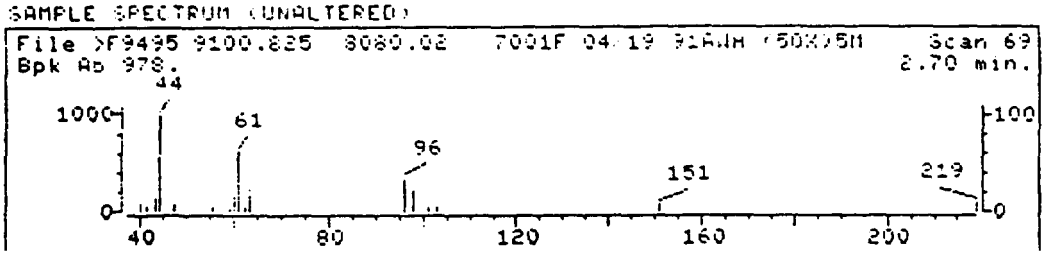
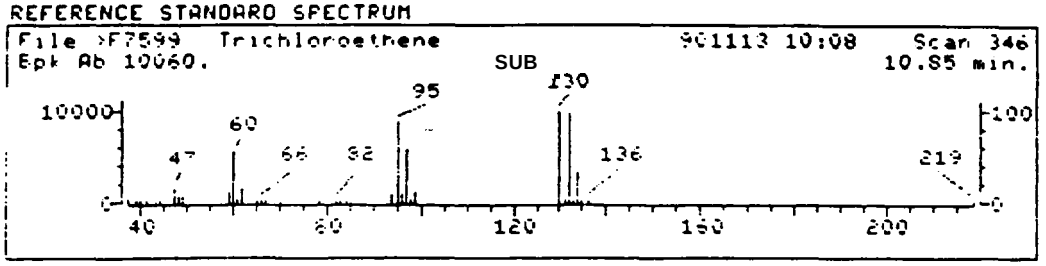


Data File: >F9495::D6 Quant Output File: ^F9495::DB
Name: 9100.825 8080.02 Gm-66
Misc: 7001F 04/19/91AWH (50X)5MLS(1ML/50ML+10ULS IS/SS)
Quant Time: 910419 18:32 Quant ID File: COFW01::D2
Injected at: 910419 18:01 Last Calibration: 910419 11:55

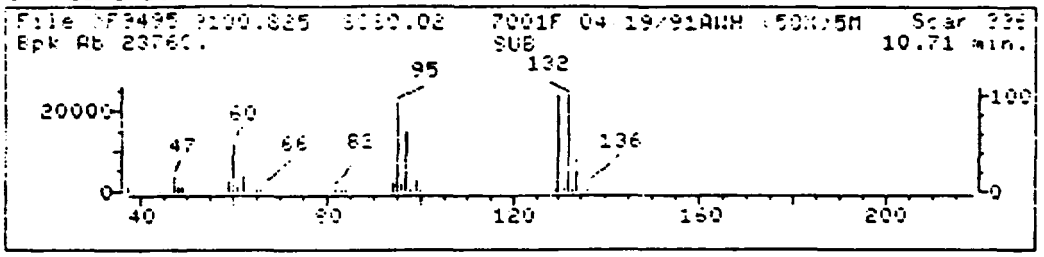
Compound No: 15
Compound Name: 1,1-Dichloroethene
Scan Number: 69
Retention Time: 2.70 min.
Quant Ion: 96.0
Area: 5552
Concentration: ***4.28*** UG/L
q-value: 93

5/9/91 [illegible]

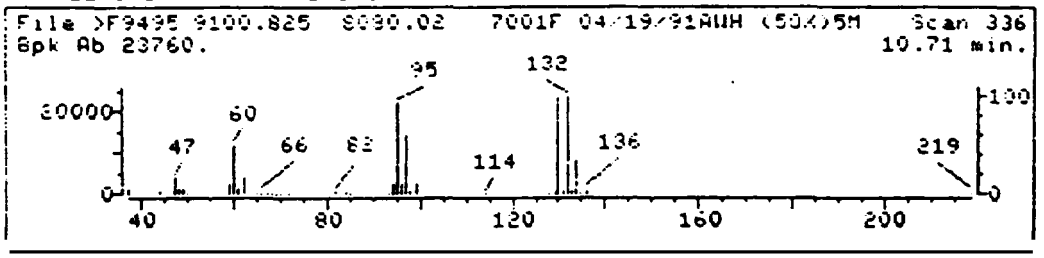
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



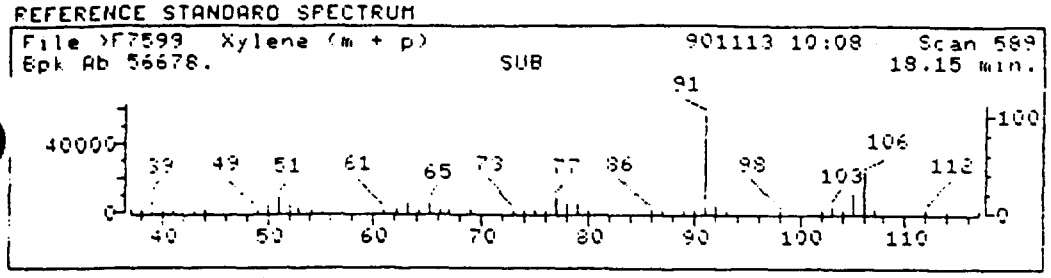
Data File: >F9495::D6 Quant Output File: ^F9495::DB
Name: 9100.825 8080.02 Gm-66
Misc: 7001F 04/19/91AWH (50X)5MLS(1ML/50ML+10ULS IS/SS)
Quant Time: 910419 18:32 Quant ID File: COFWV1::D2
Injected at: 910419 18:01 Last Calibration: 910419 11:55

Compound No: 37
Compound Name: Trichloroethene
Scan Number: 336
Retention Time: 10.71 min.
Quant Ion: 130.0
Area: 296066
Concentration: 163.67 UG/L
q-value: 100

5/9/91 SMS

3200563

REFERENCE STANDARD SPECTRUM



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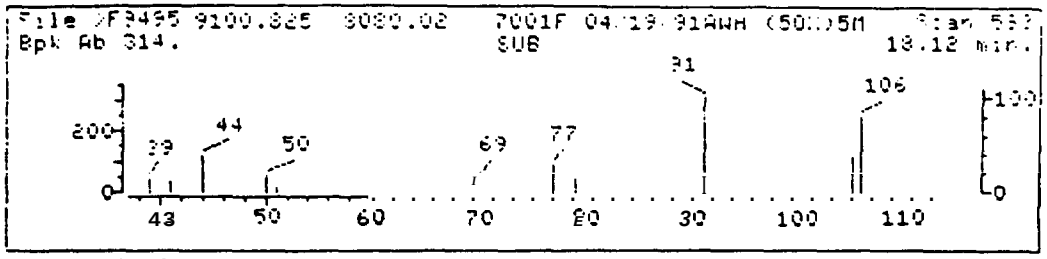

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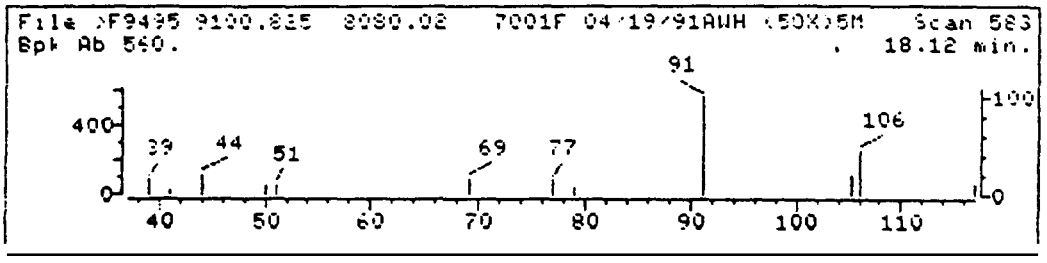
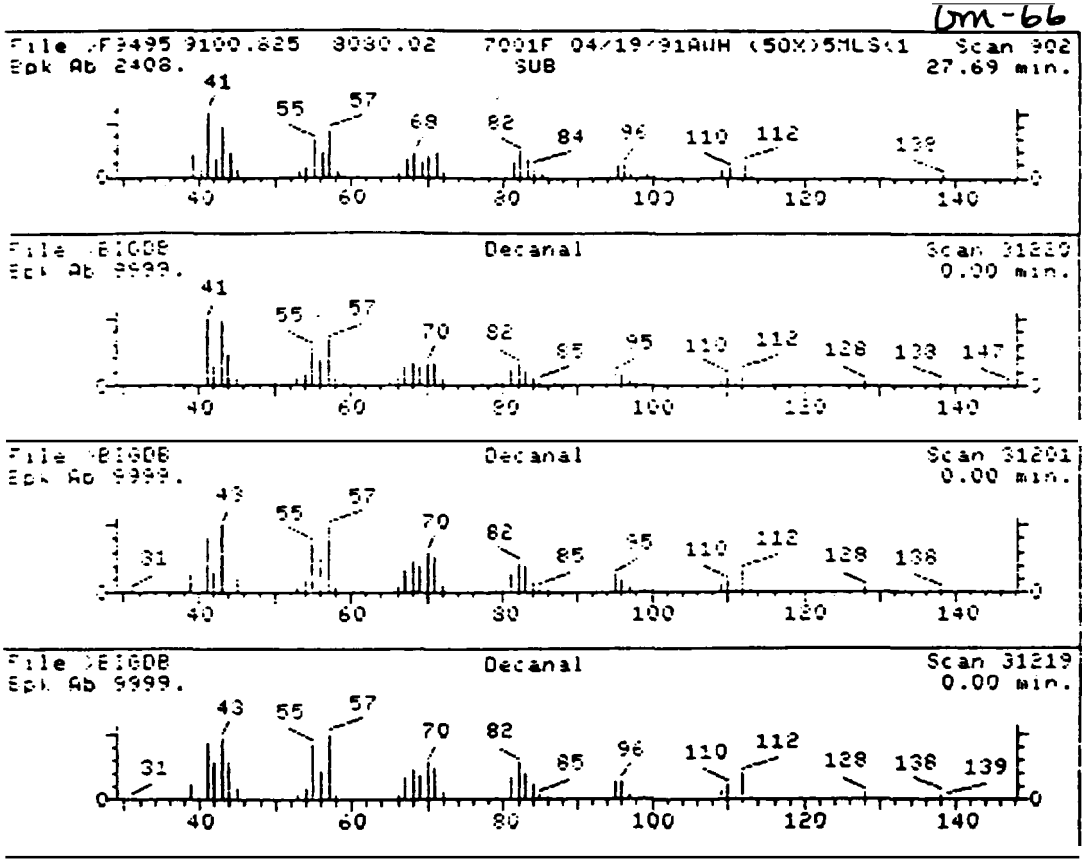


Data File: >F9495::D6 Quant Output File: ^F9495::DB
Name: 9100.825 8080.02 Gm-66
Misc: 7001F 04/19/91AWH (50X)5MLS(1ML/50ML+10ULS IS/SS)
Quant Time: 910419 18:32 Quant ID Fila: CDFWV1::D2
Injected at: 910419 18:01 Last Calibration: 910419 11:55

Compound No: 58
Compound Name: Xylene (m + p)
Scan Number: 583
Retention Time: 18.12 min.
Quant Ion: 106.0
Area: 2307
Concentration: 1.16 UG/L
q-ualue: 85

5/9/91 Gms

bm-66



$$\frac{50}{610958} \times 213934 \times 50 = 870$$

UNKNOWN #,2

AREA = 213934.0 TENTATIVE CONCENTRATION IS 18.00

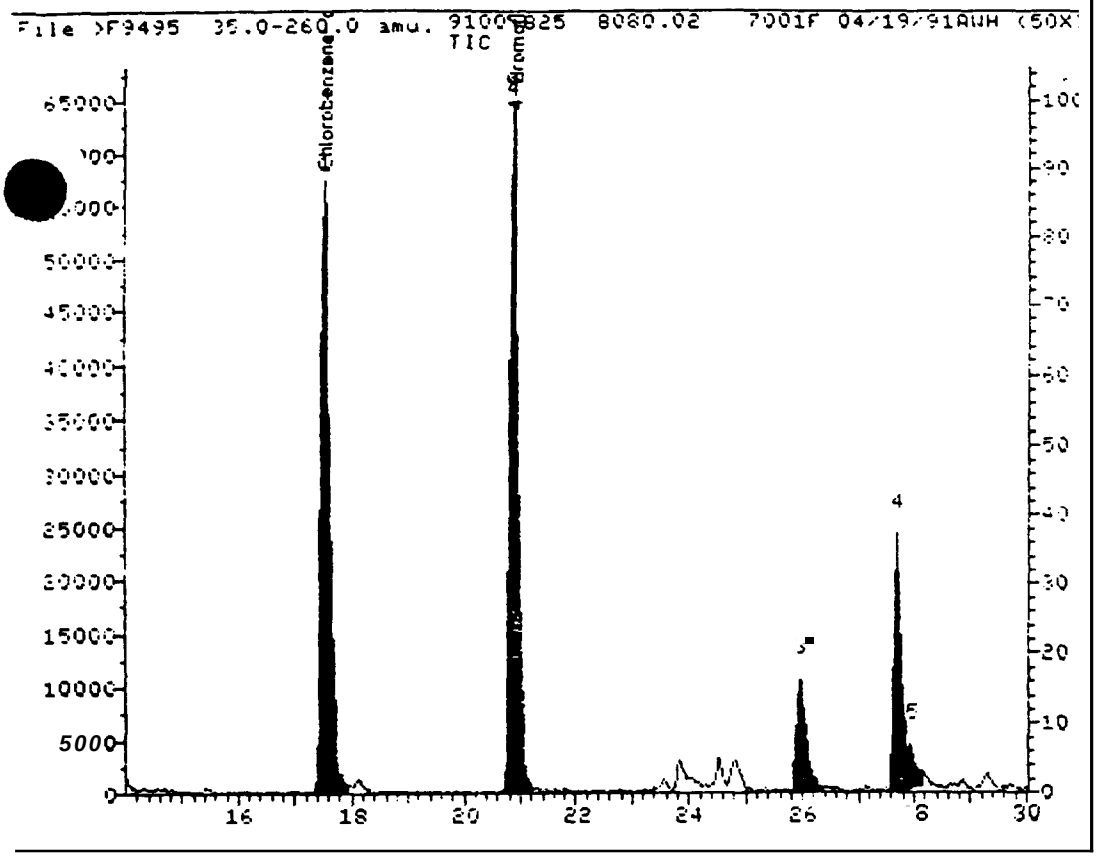
1. Decanal Isomer	156	C10H20O
2. Decanal	156	C10H20O
3. Decanal	156	C10H20O
4. Decanal	156	C10H20O
5. Cyclooctane	112	C8H16
6. 1,14-Tetradecanediol (8CI9CI)	230	C14H30O2

Sample file: >F9495 Spectrum #: 902
Search speed: 2 Tilting option: S No. of ion ranges searched: 56

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IU
1.	89	112312	31220	"BIGDB	116	2	0	-1	78	4	66	73
2.	83	112312	31201	"BIGDB	115	11	1	0	66	14	51	73
3.	79	112312	31219	"BIGDB	165	23	1	0	51	14	43	85
4.	52	112312	31218	"BIGDB	37	42	2	0	93	20	20	19
5.	47*	292648	30983	"BIGDB	65	44	1	-2	52	41	16	43
	38	19812647	16613	"BIGDB	80	63	2	0	53	34	16	21

Data File >F9495::D6 Injected at 4/19/91 18:01
Instr.7001F

3200570



Gm-66

>F9495 9100.825 8080.02 7001F 04/19/91AWH (50X)5MLS(1ML/50ML+10U

35.01 260.0 TIC

Upslope: .00 Area Reject: 5.00 % Max Peaks: 5 Bunching: 1

Onslope: 0.00 Results File VDIR37 Sorted by Time/Area INT

Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	17.55	556	564	577	57325	618066	610958	95.33	37.601
2	20.88 553	668	675	687	64842	649511	640857	100.00	39.441
3	25.95	a39	a44	858	10359	133981	125773	19.63	7.741
4	27.69	898	902	909	23953	220707	213934	33.38	13.167
5	27.93	909	910	917	3972	41792	33314 4896	5.20	2.07

Sum of corrected areas: 1624833.

5/9/91 fms

ECOLOGY AND ENVIRONMENT, INC.

RESULTS OF VATER ANALYSIS FOR TENTATIVELY IDENTIFIED
VOLATILE ORGANIC COMPOUNDS BY GC/MS

(all results in ug/L)

9100.825

E & E Lab. No. 91-	8081

Compound
NONE

B = Compound also detected in laboratory method blank.

** Values are approximate retention times.

QUANT FEPOFT

Operator ID: USER4 Quant Rev: 6 Quant Time: 910419 13:56
tput File: ^F9488::D6 Injected at: 910419 13:25
a File: >F9488::D6 Dilution Factor: 1.00000
me: 9100.825 8081.02 UG-1
Misc: 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/SS)

ID File: CDFWU1::D2
Title: VOA ID FILE FOR WATEPS ON 7001F (CONT. CAL.)
Last Calibration: 910419 11:55

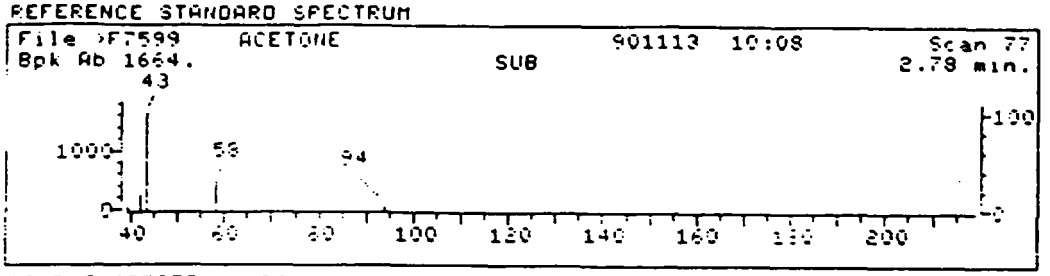
	Compound	R.T.	Q ion	Area	Conc	Units	Q
1)	*Bromochloromethane	7.53	128.0	56782	50.00	UG/L	91
9)	Methylene Chloride	3.69	84.0	2822	1.89	UG/L yf)	65
10)	Acetone	2.79	43.0	4019	7.16	UG/L yf)	100
24)	1,2-Dichloroethane-d4	9.09	65.0	101775	46.22	UG/L	100
27)	*1,4-Difluorobenzene	10.23	114.0	222545	50.00	UG/L	100
45)	*Chlorobenzene-d5	17.49	117.0	175714	50.00	UG/L	100
53)	Toluene-d8	13.68	98.0	193632	47.78	UG/L	8-
61)	Bromofluorobenzene	20.82	95.0	135565	43.84	UG/L	92

* Compound is ISTD

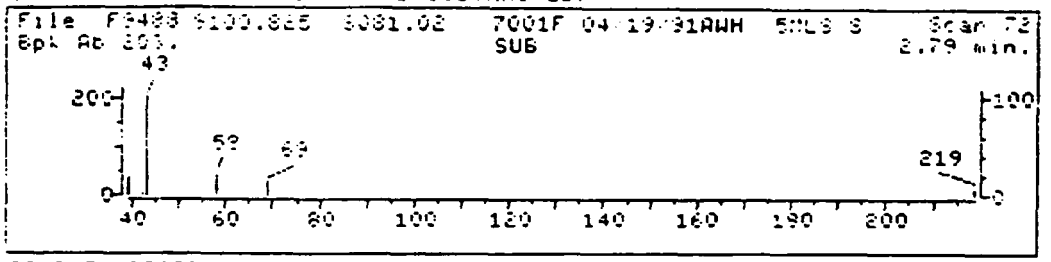
SJ

5/9/91

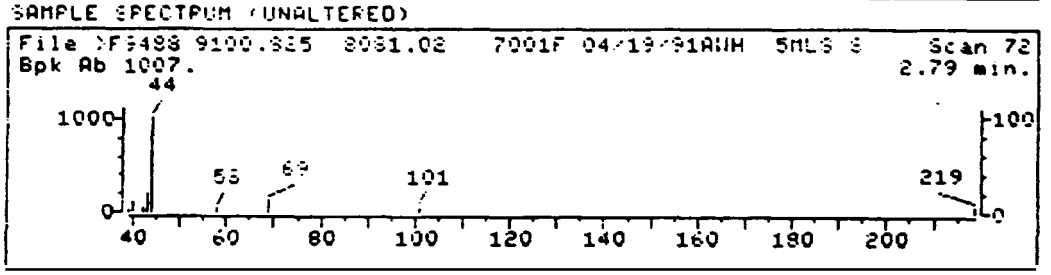
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



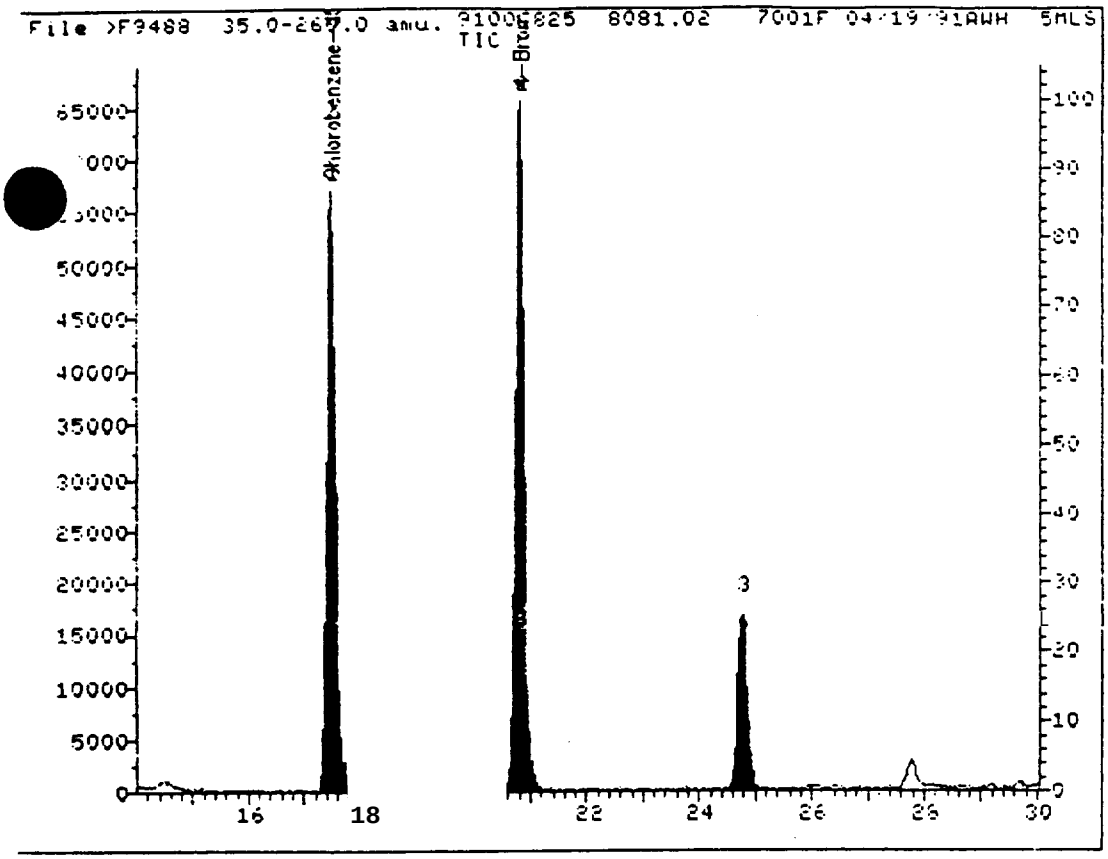
SAMPLE SPECTRUM (UNALTERED)



Data File: >F9488::D6 Quant Output File: ^F9488::D6
Name: 9100.825 8081.02 UG-1
Misc: 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/SS)
Quant Time: 910419 13:56 Quant ID File: COFW01::D2
Injected at: 910419 13:25 Last Calibration: 910419 11:55

Compound No: 10
Compound Name: Acetone
Scan Number: 72
Retention Time: 2.79 min.
Quant Ion: 43.0
Area: 4019
Concentration: 7.16 UG/L
q-value: 100

3200572 5/9/91



UG-1

F9488 9100.825 8081.02 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/

35.01 260.0 TIC
Upslope: .00 Area Reject: 5.00 % Max Peaks: 3 Bunching: 1
Onslope: 0.00 Pesults File VDIR87 Sorted by Time/Area INT

Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	17.49	554	562	575	57050	563050	577909	87.61	40.423
2	20.82 553	662	673	685	65755	664703	659651	100.00	46.143
3	24.78	795	805	815	16394	198259	192102	29.12	13.437

Sum of corrected areas: 1429662.

Sala, Cov.

ECOLOGY AND ENVIRONMENT, INC.

RESULTS OF WATER ANALYSIS FOR TENTATIVELY IDENTIFIED VOLATILE ORGANIC COMPOUNDS BY GC/MS

(all results in ug/L)

9100.825

E & E Lab. No. 91-	8082
Compound	
Hexane *(4.2)*	*6.0*

B = Compound also detected in laboratory method blank.

** Values are approximate retention times.

QUANT REPORT

Operator ID: USEP4 Quant Rev: 6 Quant Time: 910419 14:34
Input File: ^F9489::D8 Injected at: 910419 14:02
Data File: >F9489::D6 Dilution Factor: 1.00000
Volume: 9100.825 8082.02 Field Blank 2
Misc: 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/SS)

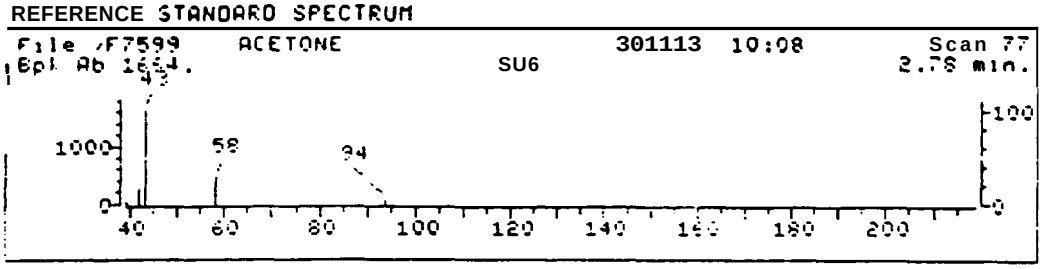
ID File: CDFW01::D2
Title: VOA ID FILE FOR WATERS ON 7001F (CONT. CAL.)
Last Calibration: 910419 11:55

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	7.55	128.0	53729	50.00	UG/L	91
9)	Methylene Chloride	3.65	84.0	3168	2.24	UG/L	9[illegible]
10)	Acetone	2.81	43.0	6509	12.25	UG/L	100
24)	1,2-Dichloroethane-d4	9.05	65.0	102423	49.16	UG/L	100
27)	*1,4-Difluorobenzene	10.22	114.0	220268	50.00	UG/L	100
45)	*Chlorobenzene-d5	17.48	117.0	169322	50.00	UG/L	100
53)	Toluene-d8	13.70	98.0	191474	49.03	UG/L	91
61)	Bromofluorobenzene	20.81	95.0	130365	43.75	UG/L	90

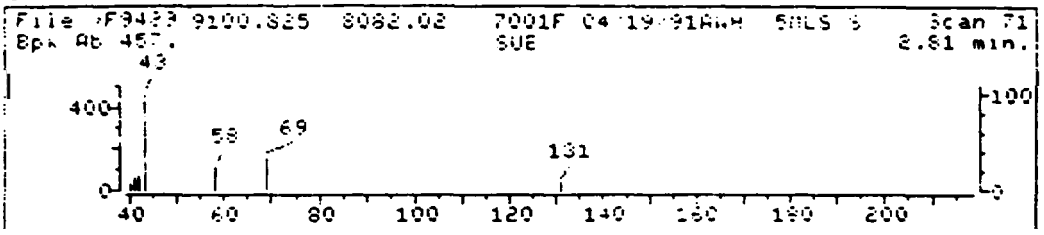
* Compound is ISTD

5/9/91

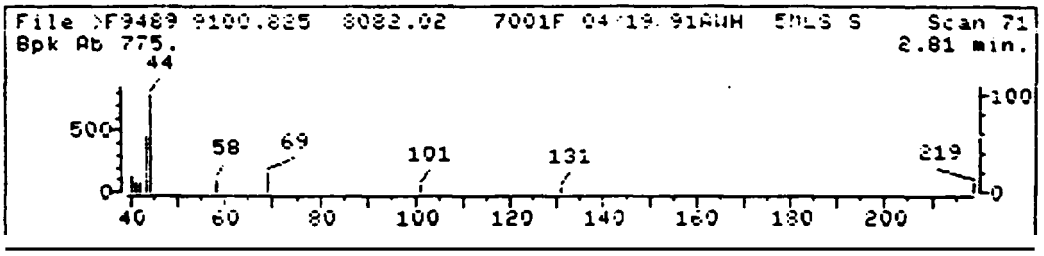
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

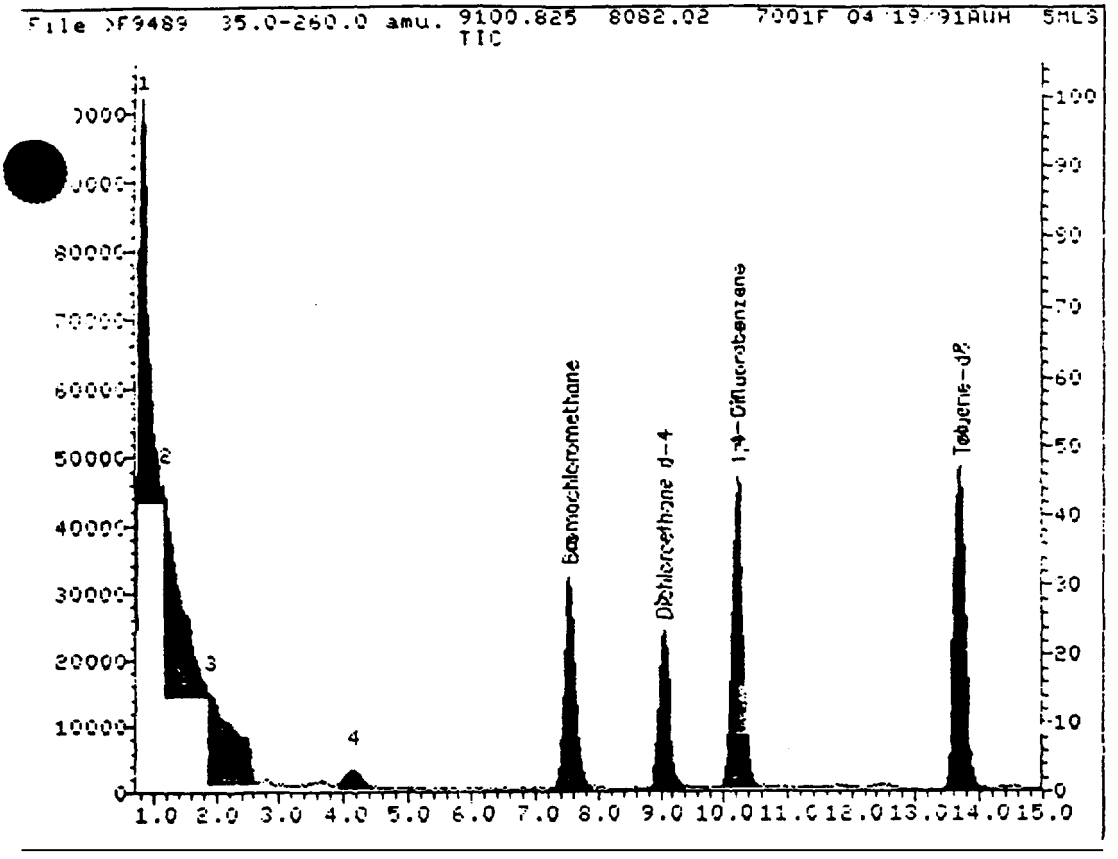


SAMPLE SPECTRUM (UNALTERED)



Data File: >F9489::D6 Quant Output File: ^F9489::DB
Name: 9100.825 8082.02 Field Blank 2
Misc: 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/SS)
Quant Time: 910419 14:34 Quant ID File: COFWU1::D2
Injected at: 910419 14:02 Last Calibration: 910419 11:55

Compound No: 10
Compound Name: Acetone
Scan Number: 71
Retention Time: 2.81 min.
Quant Ion: 43.0
Area: 6509
Concentration: 12.25 UG/L
q-value: 100



Field Blank 2

.F9489 9100.825 8082.02 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS

35.0 260.0 TIC
Upslope: .00 Area Reject: 5.00 % Max Peaks: 8 Bunching: 1
Dnslope: 0.00 Results File VDIR87 Sorted by Time/Area INT

Peal.. #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	.83602	3	5	16	59073	1569562	553627	97.85	16.891
2	1.19	16	17	40	31247	1167944	539672	95.39	16.467
3	1.91	40	41	06	13260	426380	357800	63.24	10.916
4	4.16	108	116	126	2601	73206	45270	8.00	1.381
5	7.55	217	229	241	31933	400827	384757	68.01	11.739
6	9.05551	271	279	290	23698	291846	274130	48.45	8.364
7	10.22	308	318	331	46339	581248	556610	98.38	16.982
8	13.70557	424	434	417	48131	577608	565765	100.00	17.261

Sum of corrected areas: 3277631.

5/9/91 [illegible]

MS data file header from : >F9489

Field Blank 2

ple: 9100.825 8082.02 Operator: USER4 FEG. GRP. 4/19/91 14:02
: 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/SS)
#: 1 MS model: 70 SW/HW rev.: IH ALS # : 0
Method file: MET524 Tuning file: MT524 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 200 Transfer line temp. : 0

Chromatographic temperatures :	5.	90.	170.	0.	0.
Chromatographic times, min. :	5.0	0.0	10.0	0.0	0.0
Chromatographic rate, deg/min:	5.0	10.0	0.0	0.0	0.0

Field Blank 2

F9489 9100.825 8082.02 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/

35.01 260.0 CLP TIC
Upslope: .20 Area Reject: 38476. Max Peaks: 2 Bunching: 1
Onslope: 0.00 Results File IF9489 Sorted by Time/Area INT

Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	4.16	109	116	126	2601	70378	43994	91.89	47.887
2	24.77	796	803	814	4056	50857	47876	100.00	52.113

Sum of corrected areas: 91870.

Summary of Unknowns PBM Library Search and Quantitation

Standard	Concentration	Area	Retention Time	Unknown Window
1	50.0	384757.	7.55	1.01 - 8.88
2	50.0	553629.	10.22	8.88 - 13.85
3	50.0	561067.	17.48	13.85 - 30.00

'A' Dilution Factor = 1.00 U dilf = 1.00
Method called Cor 1000.000 g or mL This sample was 1000.000 g or mL

Correction Factor = 1.00

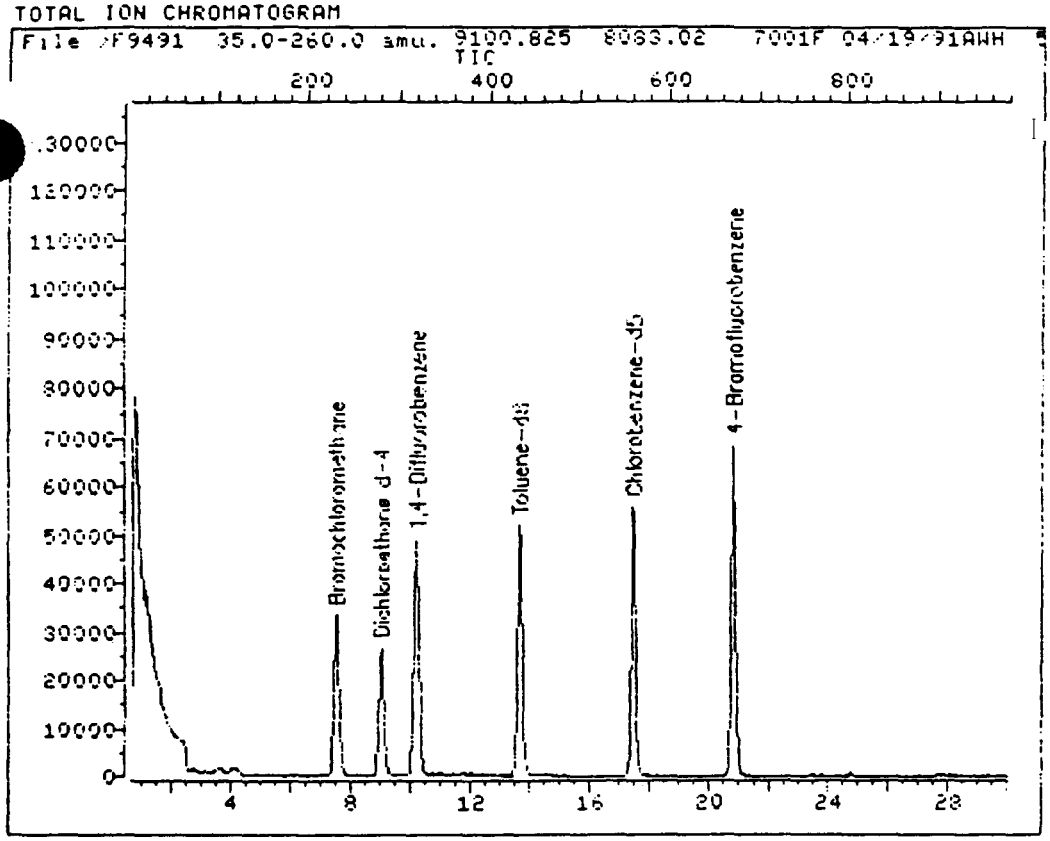
$$\text{Unknown Concentration} = \frac{\text{Conc Int Sta}}{\text{Area Int Std}} \bullet \text{Area Unknown} * \text{Correction Factor}$$

5:48 PM TUE., 30 APR., 1991

5/9/91 [illegible]

3200575

TOTAL ION CHROMATOGRAM



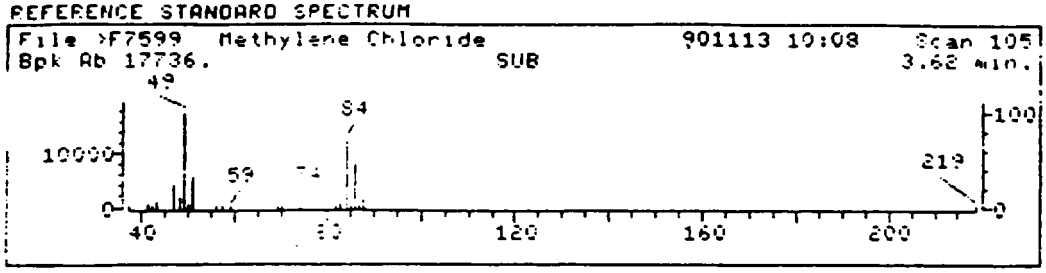
Data File: >F9491::D6 Quant Output File: >F9491::D8
Name: 9100.825 8083.02 Trip Blank 3
Misc: 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/SS)

Id File: CDFWU1::D2
Title: VOA ID FILE FOR WATERS ON 7001F (CONT. CAL.)
Last Calibration: 910419 11:55

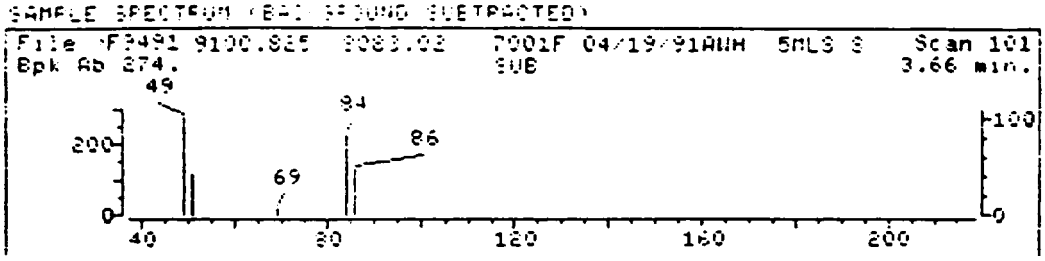
Operator ID: USER4
Quant Time: 910419 16:04
Injected at: 910419 15:33

5/9/91 km S

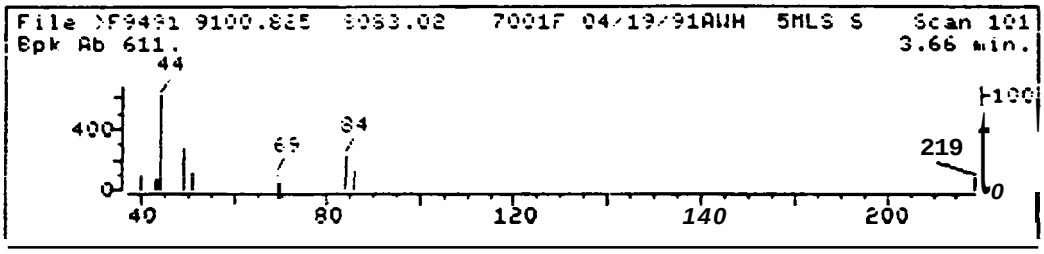
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



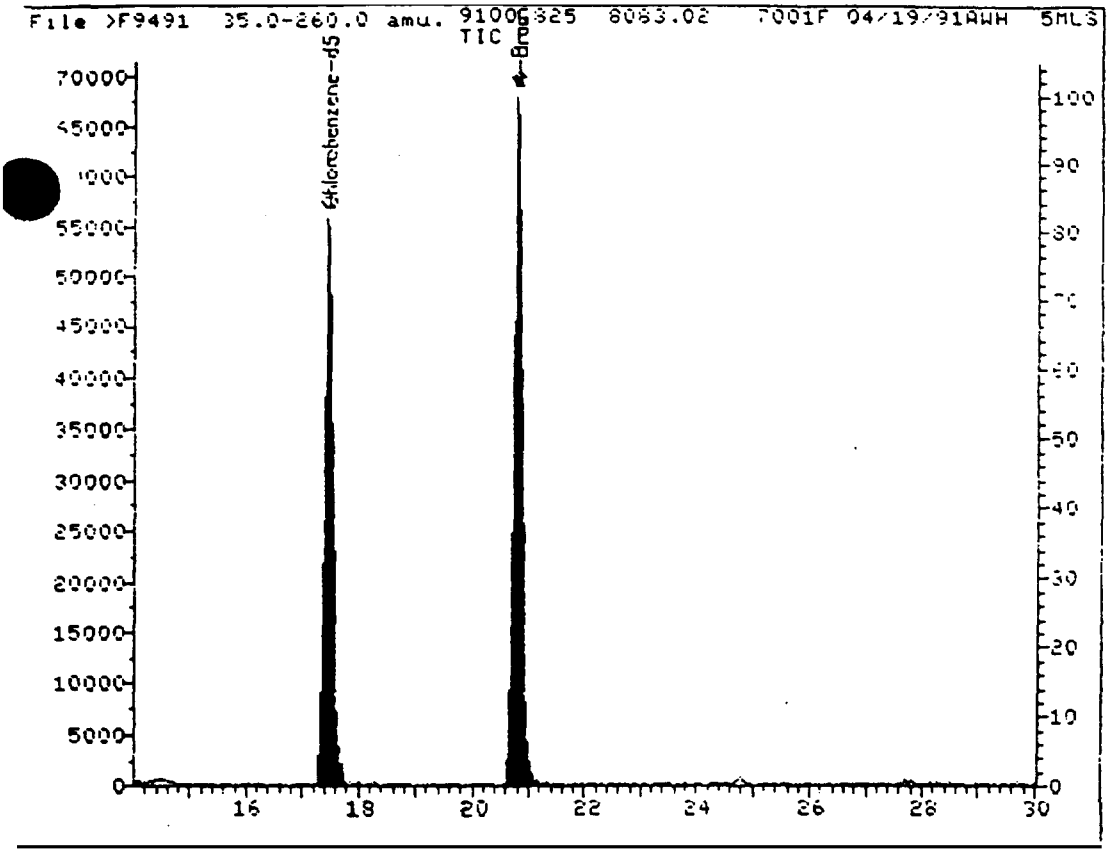
SAMPLE SPECTRUM (UNALTERED)



Data File: >F9491::D6 Quant Output File: ^F9491::DB
Name: 9100.825 8083.02 Trip. Blank 3
Misc: 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/SS)
Quant Time: 910419 16:04 Quant ID File: COFW-1::D2
Injected at: 910419 15:33 Last Calibration: 910419 11:55

Compound No: 9
Compound Name: Methylene Chloride
Scan Number: 101
Retention Time: 3.66 min.
Quant Ion: 84.0
Area: 3552
Concentration: 2.41 UG/L
q-value: *87*

3200576



Trip Blank 3

F9491 9100.825 8083.02 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/

35.0 260.0 TIC
Upslope: .00 Area Reject: 5.00 % Max Peaks: 2 Bunching: 1
Onslope: 0.00 Results File UDIR87 Sorted by Time/Area INT

Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	17.46	552	561	573	55580	571690	567002	85.94	46.219
2	20.79553	665	672	688	68034	667808	659775	100.00	53.781

Sum of corrected areas: 1226777.

5/9/91 bms

MS data file header from : >F9491

Trip Blank 3

mple: 9100.825 8083.02 Operator: USER4 REG. GPP. 4/19/91 15:37
c : 7001F 04/19/91AWH 5MLS SAMPLE(10ULS IS/SS)
. #: 1 MS model: 70 SW/HW rev.: IA ALS # : 0
Method file: MET524 Tuning file: MT524 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 200 Transfer line temp. : 0

Chromatographic temperatures :	5.	90.	170.	0.	0.
Chromatographic times, min. :	5.0	0.0	10.0	0.0	0.0
Chromatographic rate, deg/min:	5.0	10.0	0.0	0.0	0.0

No peaks found.

Summary of Unknowns PBM Library Search and Quantitation

Standard	Concentration	Area	Retention Time	Unknown Window
1	50.0	391752.	7.53	.99 - 8.88
2	50.0	569342.	10.23	8.88 - 13.84
3	50.0	567002.	17.46	13.84 - 30.06

'^' Dilution Factor = 1.00 U dilf = 1.00
Method called for 1000.000 g or mL This sample was 1000.000 g or mL

orrection Factor = 1.00

$$\text{Unknown Concentration} = \frac{\text{Conc Int Std}}{\text{area Int Std}} \cdot \text{Area Unknown} * \text{Correction Factor}$$

6:14 PM TUE., 30 APR., 1991

5/9/91 SMS

3200577

Initial Calibration Data
HSL Compounds

Case No: Instrument ID: 7001F

Contractor: EANDE Calibration Date: 04/02/91

Contract No:

Minimum $\overline{RF}$ for SPCC is 0.3 Maximum % RSD for CCC is 30%

Laboratory ID: >F9211 >F9206 >F9208 >F9209 >F9210

Compound	RF 20.00	RF 50.00	RF 100.00	RF 150.00	RF 200.00	$\overline{RF}$	% RSD	CCC	SPCC	
Toluene	,72324	,67753	.68880	,66625	.64842	.68085	4.113	*		
Toluene-d8	1.10371	1.08851	1.09070	1.05747	1.05680	1.07944	1.961			
Chlorobenzene	1.00993	,91655	.92770	.93936	,89781	.93827	4.571		**	
Ethylbenzene	.37035	,40404	,39195	,40335	,35601	.38514	5.512	*		
Xylene (m + p)	.62247	,53837	,55309	.55419	.54336	.56230	6.097			(Conc=40.0,100.0,200.0,300.0,4
Styrene	.96627	.87198	.90541	.89264	.90049	.90736	3.892			
Xylene (o)	.56541	.50661	.52049	.51784	.51404	.52488	4.430			
Bromofluorobenzene	.79366	.83490	,79116	.77290	,76397	,79132	3.456			

RF# - Response Factor (Subscript is mount in UG/L)

$\overline{RF}$ - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*) SPCC - System Performance Check Compounds (**)

QUANT REPORT

Operator ID: USER4 Quant Rev: 6 Quant Time: 910403 09:28
Output File: ^F9211::D3 Injected at: 910402 20:23
Data File: >F9211::D6 Dilution Factor: 1.00000
Name: VSTD020
Misc: 7001F 04/02/91JB/DP 5ML DI +10UL IS/4UL SS + 2UL TCL/P

IO File: ICF602::D2
Title: VOA ID FILE FOR WATERS ON 7001F (INT. CAL.)
Last Calibration: 910402 22:28

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	7.56	128.0	57529	50.00	UG/L	84
2)	Chloromethane	1.17	50.0	13044	22.68	UG/L	96
3)	Bromomethane	1.53	94.0	21092	21.99	UG/L	95
4)	Vinyl Chloride	1.20	62.0	19690	22.99	UG/L	93
5)	Chloroethane	1.62	64.0	14890	22.98	UG/L	95
6)	Trichlorofluoromethane	1.89	101.0	53303	23.49	UG/L	100
7)	Methylene Chloride	3.51	84.0	33148	22.32	UG/L	95
8)	Acetone	2.79	43.0	10112M	29.76	UG/L	90
9)	Carbon Disulfide	3.15	76.0	51847	21.07	UG/L	100
10)	1,1-Dichloroethene	2.61	96.0	26337	21.19	UG/L	92
11)	1,1-Dichloroethane	5.22	63.0	52408	20.75	UG/L	93
12)	1,2-Dichloroethene (total)	4.02	96.0	30259	20.96	UG/L	94
)	Chloroform	7.26	83.0	63975	20.98	UG/L	[illegible]
)	1,2-Dichloroethane-d4	9.09	65.0	38678	20.92	UG/L	1[illegible]
15)	1,2-Dichloroethane	9.33	62.0	43797	20.91	UG/L	97
16)	2-Butanone	7.00	72.0	2716	22.76	UG/L	100
17)	*1,4-Difluorobenzene	10.26	114.0	241150	50.00	UG/L	100
18)	1,1,1-Trichloroethane	8.13	97.0	60843	20.76	UG/L	85
19)	Carbon Tetrachloride	8.58	116.9	50591	19.43	UG/L	93
20)	Vinyl Acetate	5.73	43.0	59709	21.88	UG/L	100
21)	Bromodichloromethane	11.82	83.0	53694	19.71	UG/L	93
22)	1,2-Dichloropropane	11.28	63.0	27597	21.09	UG/L	85
23)	cis-1,3-Dichloropropene	13.41	75.0	68485	31.40	UG/L	100
24)	Trichloroethene	10.68	130.0	42125	20.17	UG/L	100
25)	Dibromochloromethane	16.11	129.0	52332	19.67	UG/L	96
26)	1,1,2-Trichloroethane	15.09	97.0	27972	21.65	UG/L	97
27)	Benzene	9.12	70.0	74728	21.23	UG/L	83
28)	trans-1,3-Dichloropropene	14.79	75.0	20744	10.29	UG/L	100
29)	2-Chloroethylvinylether	13.14	63.0	33675	20.30	UG/L	100
30)	Bromoform	20.10	173.0	49879	20.74	UG/L	100
31)	•Chlorobenzene-d5	17.55	117.0	187572	50.00	UG/L	100
32)	4-Methyl-2-pentanone	13.59	43.0	29544M	24.78	UG/L	100
33)	2-Hexanone	16.62	43.0	14813M	24.65	UG/L	100
34)	Tetrachloroethene	15.39	164.0	48427	22.30	UG/L	95
35)	1,1,2,2-Tetrachloroethane	21.00	83.0	41921	22.70	UG/L	100
36)	Toluene	13.92	92.0	54264	21.25	UG/L	95
37)	Toluene-d8	13.74	98.0	02810	20.45	UG/L	81
)	Chlorobenzene	17.61	112.0	75774	21.53	UG/L	[illegible]
)	Ethylbenzene	17.91	106.0	27787	19.23	UG/L	1[illegible]
40)	Xylene (m + p)	18.12	106.0	93406	44.28	UG/L	88
41)	Styrene	19.38	104.0	72498	21.30	UG/L	97
42)	Xylene (o)	19.20	106.0	42422	21.54	UG/L	96
43)	Bromofluorobenrene	20.88	95.0	59547	20.06	UG/L	60

3200578

QUANT REPORT

Operator ID: USER4 Quant Rev: 6 Quant Time: 910403 09:29
Output File: ^F9206::D3 Injected at: 910402 17:14
Data File: >F9206::D6 Dilution Factor: 1.011000
Name: VSTD050
Misc: 7001F 04/02/91 RG 5MLS + 10UL IS/10UL SS/5UL TCL/PC

ID File: ICF602::D2
Title: VOA ID FILE FOR WATERS ON 7001F (INT. CAL.)
Last Calibration: 910402 22:28

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	7.59	120.0	51073	50.00	UG/L	70
2)	Chloromethane	1.20	50.0	22113	43.31	UG/L	94
3)	Bromomethana	1.59	94.0	44749	52.55	UG/L	98
4)	Vinyl Chloride	1.23	62.0	35784	47.06	UG/L	94
5)	Chloroethane	1.62	64.0	27786	46.31	UG/L	93
6)	Trichlorofluoromothane	1.89	101.1)	121834	60.47	UG/L	100
7)	Methylene Chloride	3.63	84.0	67517	51.20	UG/L	77
8)	Acetone	2.02	43.0	14373	47.64	UG/L	84
9)	Carbon Disulfide	3.24	76.0	108657	49.74	UG/L	100
10)	1,1-Dichloroethene	2.67	96.0	56014	50.76	UG/L	92
11)	1,1-Dichloroethane	5.22	63.0	108783	48.51	UG/L	96
	1,2-Dichloroethene (total)	4.02	96.0	62294	48.61	UG/L	93
	Chloroform	7.26	83.0	140318	51.83	UG/L	92
14)	1,2-Dichloroethane-d4	9.12	65.0	88328	53.02	UG/L	100
15)	1,2-Dichloroethane	9.36	62.0	97927	52.66	UG/L	97
16)	2-Hutanone	7.05	72.0	3868M	36.51	UG/L	100
17)	*1,4-Difluorobenzene	10.29	114.0	220829	50.00	UG/L	100
18)	1,1,1-Trichloroathane	8.13	92.0	135217	50.37	UG/L	79
19)	Carbon Tetrachloride	8.67	116.9	148383	53.73	UG/L	89
20)	Vinyl Acetate	5.76	43.0	113188	45.30	UG/L	100
21)	Bromodichloromethane	11.85	83.0	127176	50.99	UG/L	99
22)	1,2-Dichloropropane	11.25	63.0	55719	46.51	UG/L	94
23)	cis-1,3-Dichloropropene	13.41	75.0	141951	71.07	UG/L	100
24)	Trichloroethene	10.71	130.U	93737	49.01	UG/L	100
25)	Dibromochloromettisne	16.11	129.0	119298	48.96	UG/L	98
26)	1,1,2-Trichloroethsne	15.09	97.1)	54255	45.85	UG/L	97
27)	Benzene	9.15	78.0	154670	47.99	UG/L	80
28)	trans-1,3-Dichloropropene	14.82	75.0	43357	23.49	UG/L	100
29)	2-Chloroethylvinylether	13.17	63.0	68294	44.95	UG/L	100
30)	Bromoform	20.10	173.0	101946	46.29	UG/L	100
31)	*Chlorobenzene-d5	17.55	117.0	158699	50.00	UG/L	100
32)	4-Methyl-2-pentanone	13.59	43.0	47606M	47.19	UG/L	100
33)	2-Hexanone	16.38	43.0	15412	30.31	UG/L	100
34)	Tetrachloroethene	15.42	164.0	89411	48.67	UG/L	96
35)	1,1,2,2-Tetrachloroethsne	21.00	83.0	78789	50.42	UG/L	100
36)	Toluene	13.92	92.0	107524	49.76	UG/L	97
	Toluene-d8	13.77	98.0	172745	50.42	UG/L	93
	Chlorobenzene	17.64	112.0	145455	48.84	UG/L	99
39)	Ethylbenzene	17.91	106.0	64121	52.45	UG/L	100
40)	Xylene (m + p)	18.12	106.0	170679	95.75	UG/L	98
41)	Styrene	19.38	104.0	138383	48.05	UG/L	97
42)	Xylene (o)	19.20	106.0	80398	48.26	UG/L	94
43)	Bromofluorobenzene	20.91	95.0	132498	52.75	UG/L	98

QUANT REPORT

perator ID: USER4 Quant Rev: 6 Quant Time: 9104513 09:32
utput File: ^F9208::D3 Injected at: 910402 18:27
ata File: >F9208::D6 Dilution Factor: 1.00000
ame: VSTD100
isc: 7001F 04/03/93. RG 5MLS + 10UL IS/20UL SS/10UL TCL/PC

3 File: ICF602::D2
itle: VOA ID FILE FOR WATERS ON 7001F (INT. CAL.)
ast Calibration: 910402 22:28

	Compound	R.T.	Q ion	Area	Conc	Unit5	q
1)	*Bromochloromathane	7.65	128.0	54734	50.00	UG/L	86
2)	Chloromethane	1.20	50.0	53835	98.39	UG/L	89
3)	Bromomethane	1.59	94.0	91004	99.81	UG/L	85
4)	Vinyl Chloride	1.26	62.0	77565	95.19	UG/L	98
5)	Chloroethane	1.65	64.0	61780	100.23	UG/L	98
6)	Trichlorofluorometliane	1.92	101.0	204072	94.51	UG/L	100
7)	Methylene Chloride	3.63	84.0	136630	96.69	UG/L	88
8)	Acetone	2.85	43.0	29096	90.00	UG/L	87
9)	Carbon Disulfide	3.24	74.0	235391	100.54	UG/L	100
0)	1,1-Dichloroethene	2.67	96.0	127412	107.74	UG/L	91
1)	1,1-Dichloroethane	5.25	63.0	247170	102.85	UG/L	96
2)	1,2-Dichloroethene (total)	4.05	96.0	140268	102.13	UG/L	94
3)	Chloroform	7.29	83.0	294641	101.55	UG/L	97
4)	1,2-Dichloroethane-d4	9.15	65.0	177388	100.146	UG/L	100
5)	1,2-Dichloroethane	9.39	62.0	198914	99.80	UG/L	94
6)	2-Butanone	7.17	72.0	12258	107.96	UG/L	100
7)	*1,4-Difluorobenzene	10.32	114.0	224786	50.00	UG/L	100
8)	1,1,1-Triclliloroethane	8.16	97.0	277362	101.52	UG/L	76
9)	Carbon Tetrachloride	8.67	116.9	288830	102.75	UG/L	83
0)	Vinyl Acetate	5.79	43.0	219519	86.31	UG/L	100
1)	Bromodichloromethane	11.88	83.0	257666	101.49	UG/L	96
2)	1,2-Dichloropropane	11.31	63.0	122872	100.75	UG/L	93
3)	cis-1,3-Dichloropropene	13.44	75.0	302360	148.72	UG/L	100
4)	Trichloroothene	10.74	130.0	203133	104.33	UG/L	100
5)	Dibromochloromethene	16.14	129.0	251625	101.45	UG/L	98
6)	1,1,2-Trictiloroethsns	15.12	97.0	119009	98.81	UG/L	99
7)	Benzene	9.18	78.0	331675	101.10	UG/L	79
8)	trans-1,3-Dichloropropene	14.82	75.0	93605	49.82	UG/L	100
9)	2-Chloroethyluinylether	13.20	63.0	150293	97.18	UG/L	100
0)	Bromoform	20.13	173.0	221766	98.92	UG/L	100
1)	*Chlorobenzene-d5	17.58	117.0	175102	50.00	UG/L	100
2)	4-tlethyl-2-pentanone	13.56	43.0	96524	86.72	UG/L	100
3)	2-Hexanone	16.23	43.0	58318	103.94	UG/L	100
4)	Tetrschloroethene	15.45	164.0	193905	95.66	UG/L	96
5)	1,1,2,2-Tetrachloroethane	21.03	83.0	163519	94.84	UG/L	100
6)	Toluene	13.95	92.0	241219	101.17	UG/L	92
	Toluene-dB	13.77	90.0	381967	101.04	UG/L	86
8)	Chlorobenzene	17.67	112.0	324885	98.87	UG/L	98
9)	Ethylbenzene	17.97	106.0	137263	101.77	UG/L	100
0)	Xylene (m + p)	18.15	106.0	387390	196.73	UG/L	90
1)	Styrene	19.41	104.0	317078	99.79	UG/L	96
2)	Xylene (o)	19.23	106.0	182279	99.16	UG/L	99
3)	Bromofluorobenzene	20.94	95.0	277069	99.98	UG/L	87

3200579

QUANT REPORT

Operator ID: USER4 Quant Rev: 6 Quant Time: 910403 09:34
Output File: ^F9209::D3 Injected at: 910402 19:03
Data File: >F9209::D6 Dilution Factor: 1.000110
Name: VSTD150
Misc: 7001F 04/07/91 RG 5MLS + 10UL IS/30UL SS/15UL TCL/PC

ID File: ICF602::D2
Title: VOA ID FILE FOR WATERS ON 7001F (INT. CAL.)
Last Calibration: 910402 22:28

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	7.59	128.0	59362	50.00	UG/L	69
2)	Chloromethane	1.17	50.0	86499	145.76	UG/L	97
3)	Bromomethane	1.59	94.0	136180	137.59	UG/L	90
4)	Vinyl Chloride	1.26	62.0	123513	139.76	UG/L	99
5)	Chloroethane	1.62	64.0	90975	136.08	UG/L	90
6)	Trichlorofluoromethane	1.92	101.0	290089	123.88	UG/L	100
7)	Mathylene Chloride	3.63	84.0	216595	141.32	UG/L	86
8)	Acetone	2.08	43.0	40966	116.84	UG/L	83
9)	Carbon Disulfide	3.24	76.0	366309	144.26	UG/L	100
10)	1,1-Dichloroethene	2.67	96.0	181461	141.48	UG/L	92
11)	1,1-Dichloroethane	5.25	63.0	379371	145.56	UG/L	96
	1,2-Dichloroethene (total)	4.02	96.0	212332	142.55	UG/L	92
	Chloroform	7.29	83.0	433804	137.86	UG/L	96
14)	1,2-Dichloroethane-d4	9.15	65.0	259343	135.36	UG/L	100
15)	1,2-Dichloroethane	9.36	62.0	306902	141.98	UG/L	95
16)	2-Butanone	7.17	72.0	18960	153.96	UG/L	100
17)	*1,4-Difluorobenzane	10.29	114.0	229550	50.00	UG/L	100
18)	1,1,1-Trichloroethane	8.13	97.0	410082	146.97	UG/L	75
19)	Carbon Tetrachloride	8.64	116.9	427921	149.07	UG/L	a5
20)	Vinyl Acetate	5.79	43.0	430538	165.77	UG/L	100
21)	Bromodichlorornethane	11.85	83.0	394060	152.00	UG/L	94
22)	1,2-Dichloropropane	11.28	63.0	191792	154.00	UG/L	91
23)	cis-1,3-Dichloropropene	13.41	75.0	469655	226.20	UG/L	100
24)	Trichloroethsne	10.71	130.0	291935	146.83	UG/L	100
25)	Dibromochloromethane	16.11	129.0	396702	156.62	UG/L	99
26)	1,1,2-Trichloroethane	15.09	97.0	186633	151.74	UG/L	94
27)	Benzene	9.15	70.0	501319	149.63	UG/L	78
28)	trans-1,3-Dichloropropene	14.79	75.0	148093	77.19	UG/L	100
29)	2-Cliloroethylvinylether	13.17	63.0	251980	159.54	UG/L	100
30)	Bromoform	20.10	173.0	350029	1'36.38	UG/L	100
31)	*Chlorobenzene-d5	17.55	117.0	181078	50.00	UG/L	100-
32)	4-Methyl-2-pent anoris	13.56	43.0	164101	142.57	UG/L	100
33)	2-Hexanone	16.14	43.0	97118	167.38	UG/L	100
34)	Tetrachloroethene	15.42	164.0	307139	146.52	UG/L	95
35)	1,1,2,2-Tetrachloroethens	20.97	83.0	264458	148.32	UG/L	100
36)	Toluene	13.95	92.0	361931	146.78	UG/L	99
	Toluene-d8	13.77	98.0	574456	146.95	UG/L	e2
	Chlorobenzene	17.64	112.0	510293	150.17	UG/L	94
39)	Ethylbenzene	17.91	106.0	219111	157.09	UG/L	100
40)	Xylene (m + p)	18.12	106.0	602115	295.68	UG/L	92
41)	Styrene	19.38	104.0	484912	147.57	UG/L	98
42)	Xylene (o)	19.20	106.0	281310	147.99	UG/L	99
43)	Bromofluorobenzene	20.88	95.0	419866	146.51	UG/L	79

QUANT REPORT

perator ID: USER4 Quant Rev: 6 Quant Time: 910403 09:35
utput File: ^F9210::D3 Injected at: 910402 19:39
ata File: >F9210::D6 Dilution Factor: 1.00000
ame: VSTD200
isc: 7001F 04/02/91 RG 5MLS + 10UL IS/40UL SS/20UL TCL/PC

D File: ICF602::D2
itle: VOA ID FILE FOR WATERS ON 7001F (INT. CAL.)
ast Calibration: 910402 22:28

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	7.59	128.0	57311	50.00	UG/L	86
2)	Chloromethane	1.17	50.0	119633	208.81	UG/L	89
3)	Bromomethane	1.56	94.0	178550	186.85	UG/L	82
4)	Vinyl Chloride	1.26	62.0	174988	205.10	UG/L	96
5)	Chlorosthane	1.62	64.0	125080	195.04	UG/L	99
6)	Trichlorofluoromsthane	1.89	101.0	382209	169.05	UG/L	100
7)	Methylene Chloride	3.63	84.0	281449	190.21	UG/L	93
8)	Acetone	2.91	43.0	59599	176.06	UG/L	87
9)	Carbon Disulfide	3.21	76.0	482775	196.93	UG/L	100
0)	1,1-Dichloroethene	2.64	96.0	224030	180.93	UG/L	91
1)	1,1-Dichloroethane	5.19	63.0	499946	198.68	UG/L	96
2	1,2-Dichloroethene (total)	3.99	96.0	289957	201.63	UG/L	94
3.	Chloroform	7.29	83.0	595420	195.99	UG/L	96
4)	1,2-Dichloroethane-d4	9.12	65.0	354460	192.48	UG/L	100
5)	1,2-Dichloroethane	9.36	62.0	399452	191.41	UG/L	96
6)	2-Butanone	7.14	72.0	24397	205.20	UG/L	100
7)	*1,4-Difluorobenzene	10.29	114.0	235546	50.00	UG/L	100
8)	1,1,1-Trichloroethane	8.13	97.0	549631	191.96	UG/L	76
9)	Carbon Tetrachloride	8.61	116.9	549338	186.50	UG/L	86
0)	Vinyl Acetate	5.79	43.0	549796	206.30	UG/L	100
1)	Bromodichloromethsne	11.85	83.0	514094	193..25	UG/L	94
2)	1,2-Dichloropropane	11.28	63.0	250769	196.23	UG/L	93
3)	cis-1,3-Dichloropropene	13.41	75.0	644966	302.73	UG/L	100
4)	Trichloroethene	10.71	130.0	403618	197.84	UG/L	100
5)	Dibromoctiloromethane	16.11	129.0	508801	195.76	UG/L	98
6)	1,1,2-Trichloroethane	15.06	97.0	252584	200.14	UG/L	97
7)	Benzene	9.15	78.0	667041	194.03	UG/L	80
8)	trans-1,3-Dichloropropene	14.79	75.0	197952	100.55	UG/L	100
9)	2-Ctiloroethylvinylether	13.14	63.0	340610	210.17	UG/L	100
0)	Bromoform	20.08	173.0	472469	201.12	UG/L	100
1)	*Chlorobenzene-d5	17.56	117.0	187523	50.00	UG/L	100
2)	4-Hathyl-2-pentanone	13.50	43.0	238299	199.91	UG/L	100
3)	2-Hexanone	16.08	43.0	120915	201.24	UG/L	100
4)	Tetrachloroethene	15.42	164.0	424666	195.62	UG/L	95
5)	1,1,2,2-Tetrachloroethane	21.01	83.0	339543	183.89	UG/L	100
6)	Toluene	13.95	92.0	486372	190.47	UG/L	99
7	Toluene-d8	13.74	98.0	792696	195.81	UG/L	85
8.	Chlorobenzene	17.65	112.0	673441	191.38	UG/L	94
9)	Ethylbenzene	17.92	106.0	267037	184.87	UG/L	100
0)	Xylene (m + p)	18.13	106.0	815144	386.53	UG/L	91
1)	Styrene	19.39	104.0	675451	198.49	UG/L	92
2)	Xylene (o)	19.21	106.0	385576	195.87	UG/L	96
3)	Bromofluorobenzene	20.89	95.0	573044	193.09	UG/L	79

3200500

a

Continuing Calibration Check
HSL Compounds

lo: Calibration Date: 04/19/91

ontractor: EANDE Time: 10:17

ontract No: Laboratory ID: :F9484

nstrument ID: 7001F Initial Calibration Date: ~~04/03/91~~ 4/2/91 BM 5/10/91

Minimum $\overline{RF}$ for SPCC is 0.3 Maximum % Diff for CCC is 25%

Compound	$\overline{RF}$	RF	%Diif	CCC	SPCC	
oluene	.68085	.79490	16.3	*		
oluene-d8	1.07944	1.15312	6.83			
hlorobenzene	.93827	.94753	.99		**	
thylbenzene	.38514	.40844	6.05	*		
ylene (m + p)	.56230	.59027	4.98			(Conc=100.00 I
tyrene	.90736	.94839	4.52			
ylene (o)	.52488	.53551	2.03			
romofluorobenzene	.79132	.87997	11.20			

F - Response Factor from daily standard file at 50.00 UG/L

- Average Response Factor from Initial Calibration Form II

- % Difference from original average or curve

CC - Calibration Check Compound3 (*I SPCC - <!~,teaPerformance Check Compounds (**)

QUANT REPORT

Operator ID: USER4 Quant Rev: 6 Quant Time: 910419 10:48
Output File: 'F9484::D6 Injected at: 910419 10:17
Data File: >F9484::D6 Dilution Factor: 1.00000
Name: USTD050 Waters
Misc: 7001F 04/19/91AWH 5MLS DI(10ULS IS/SS+5ULS PC/TCL)

ID File: ICF602::D2
Title: UOA ID FILE FOR WATERS ON 7001F (INT. CAL.)
Last Calibration: 910418 13:40

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*Bromochloromethane	7.62	233	59394	50.00	UG/L	96
2)	Chloromethane	1.32	23	32453	54.66	UG/L	95
3)	Bromomethane	1.71	36	51441	51.94	UG/L	88
4)	Vinyl Chloride	1.38	25	51983	58.79	UG/L	93
5)	Chloroethane	1.68	35	41248	61.67	UG/L	97
6)	Trichlorofluoromethane	2.04	47	123171	52.57	UG/L	100
7)	Methylene Chloride	3.69	102	78272	51.04	UG/L	97
8)	Acetone	2.88	75	29369	83.72	UG/L	91
9)	Carbon Disulfids	3.42	93	122023	48.03	UG/L	100
10)	1,1-Dichloroethene	2.73	70	70775	55.15	UG/L	94
11)	1,1-Dichloroethane	5.28	155	154023	59.06	UG/L	97
12)	1,2-Dichloroethene (total)	4.05	114	84858	56.94	UG/L	[illegible]
13)	Chloroform	7.29	222	160366	53.48	UG/L	[illegible]
14)	1,2-Dichloroethane-d4	9.15	294	115163	60.34	UG/L	100
15)	1,2-Dichloroethane	9.39	292	133772	61.85	UG/L	96
16)	2-Butanone	7.14	217	9606	77.96	UG/L	100
17)	*1,4-Difluorobenzene	10.28	322	237885	50.00	UG/L	100
18)	1,1,1-Trichloroethane	8.16	251	147177	50.90	UG/L	71
19)	Carbon Tetrachloride	8.67	268	143215	48.14	UG/L	90
20)	Vinyl Acetate	5.79	172	142788	53.05	UG/L	100
21)	Bromodichloromethane	11.88	375	148316	55.20	UG/L	92
22)	1,2-Dichloropropane	11.31	356	74909	58.04	UG/L	93
23)	cis-1,3-Dichloropropene	13.44	427	187210	87.01	UG/L	100
24)	Trichloroethene	10.74	337	97397	47.27	UG/L	100
25)	Dibromochloromethane	16.14	517	133000	50.67	UG/L	98
26)	1,1,2-Trichloroethane	15.09	482	71595	56.17	UG/L	94
27)	Benzene	9.18	285	190143	54.76	UG/L	77
28)	trans-1,3-Dichloropropene	14.82	473	59749	30.05	UG/L	100
29)	2-Chloroethylvinylether	13.17	418	115856	70.78	UG/L	100
30)	Bromoform	20.10	649	119841	50.51	UG/L	100
31)	*Chlorobenzene-d5	17.55	564	177349	50.00	UG/L	100
32)	4-Methyl-2-pentanone	13.47	428	84905	75.32	UG/L	100
33)	2-Hexanone	16.02	513	63265	111.33	UG/L	100
34)	Tetrachloroethene	15.45	494	103159	50.25	UG/L	96
35)	1,1,2,2-Tetrachloroethane	21.00	679	126257	72.30	UG/L	100
36)	Toluene	13.95	444	140975	58.38	UG/L	91
37)	Toluene-d8	13.77	438	204505	53.41	UG/L	[illegible]
38)	Chlorobenzene	17.64	567	168043	50.49	UG/L	[illegible]
39)	Ethylbenzene	17.94	577	72436	53.02	UG/L	100
40)	Xylene (m + p)	13.15	584	203369	104.98	UG/L	95
41)	Styrene	19.41	624	168196	52.26	UG/L	99
42)	Xylene (o)	19.23	620	94972	51.01	UG/L	99
43)	Bromofluorobenzene	20.91	676	156061	55.60	UG/L	91

3200581

QUANT REPORT

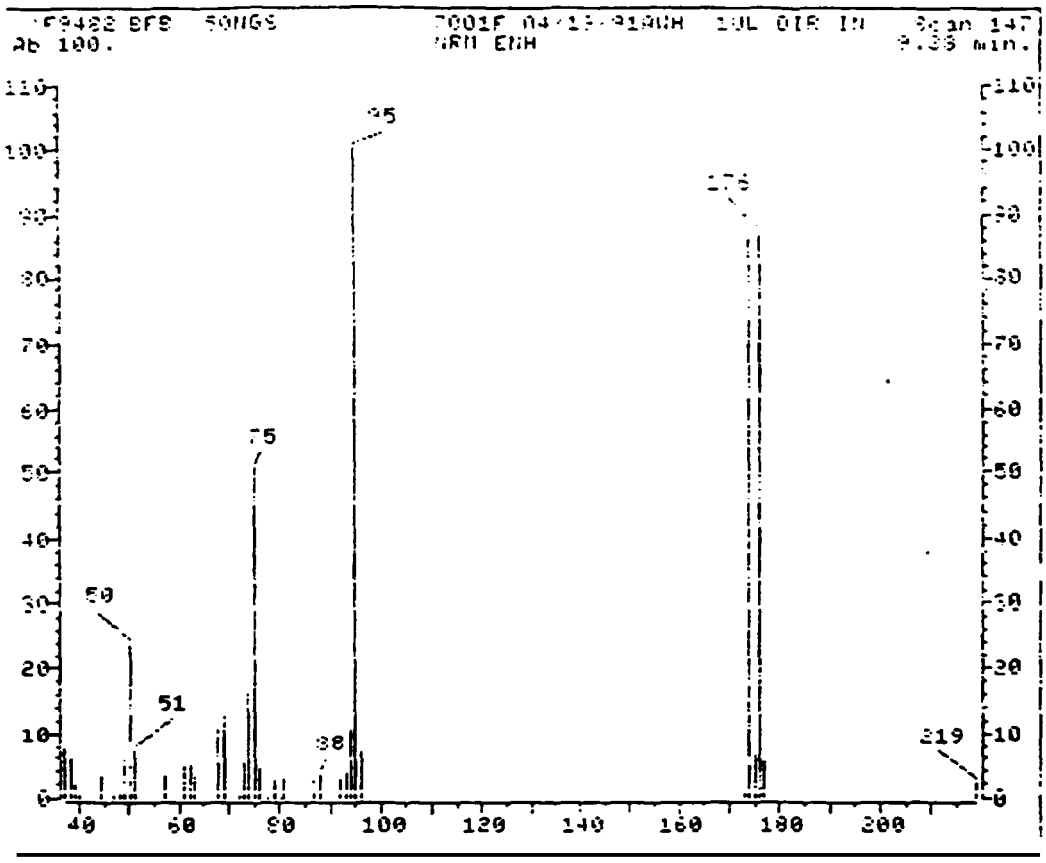
Operator ID: USER4 Quant Rev: 6 Quant Time: 910419 11:43
Output File: ^F9485::D6 Injected at: 910419 11:12
Data File: >F9485::D6 Dilution Factor: 1.00000
Name: VOA APPENDIX IX STD
Disc: 7001F 04/19/91AWH 5MLS DI(10ULS IS/IX STD+3ULS PAP)

ID File: ICFA1::D2
Title: VOA APPENDIX IX ID FILE FOR WATERS ON 7001F (INT. CAL.)
Last Calibration: 910418 13:16

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	7.59	128.0	58946	50.00	UG/L	95
2)	Dichlorodifluoromethane	1.05	85.0	331374	124.50	UG/L	100
3)	Acrolein	2.55	56.0	3414	836.56	UG/L	100
4)	Methyl Iodide	3.12	142.0	850294	205.39	UG/L	97
5)	Allyl Chloride	3.33	76.0	80293	30.57	UG/L	100
6)	Acetonitrile	3.30	41.0	709521	264.78	UG/L	100
7)	Acrylonitrile	4.14	52.0	72750	297.74	UG/L	83
9)	Propionitrile	7.23	54.0	32538	350.94	UG/L	100
10)	Methacrylonitrile	7.53	41.0	230350	264.71	UG/L	84
11)	Isobutanol	8.85	74.0	2412	1038.55	UG/L	100
13)	*1,4-Difluorobenzene	10.26	114.0	229244	50.00	UG/L	100
[illegible]	Dibromomcthane	11.85	93.0	314322	192.58	UG/L	99
[illegible]	Methyl Methacrylate	12.03	41.0	337304	209.34	UG/L	96
16)	1,4-Dioxane	12.60	88.0	3376	3376.00	NO CALIB	81
17)	Pyridine	15.12	79.0	122022	122022.0	NO CALIB	79
18)	*Chlorobenzene-d5	17.49	117.0	179443	50.00	UG/L	94
19)	Ethyl Methacrylate	15.18	41.0	433379	336.64	UG/L	78
20)	1,2-Dibromoethane	16.50	107.0	504519	322.35	UG/L	98
21)	2-Picoline	19.17	93.0	1436	373.85	UG/L	100
22)	1,1,1,2-Tetrachloroethane	17.85	131.0	428308	270.72	UG/L	97
23)	1,2,3-Trichloropropane	21.27	75.0	402818	336.31	UG/L	100
24)	Trans-1,4-Dichloro-2-butene	21.66	53.0	159645	286.86	UG/L	75
25)	Pentachloroethane	22.65	117.0	274014	267.61	UG/L	100
26)	1,2-Dibromo-3-Chloropropane	26.13	75.0	149151	311.66	UG/L	74

* Compound is ISTD

8:48
Scan 147
ENH-11
ONLY



F9482 BFB 50NGS 7001F 04/19/91AWH 1UL DIR INJ 541-110-4

147 NRM ENH

File: >F9482 Scan #: 147 Retn. time: 9.33

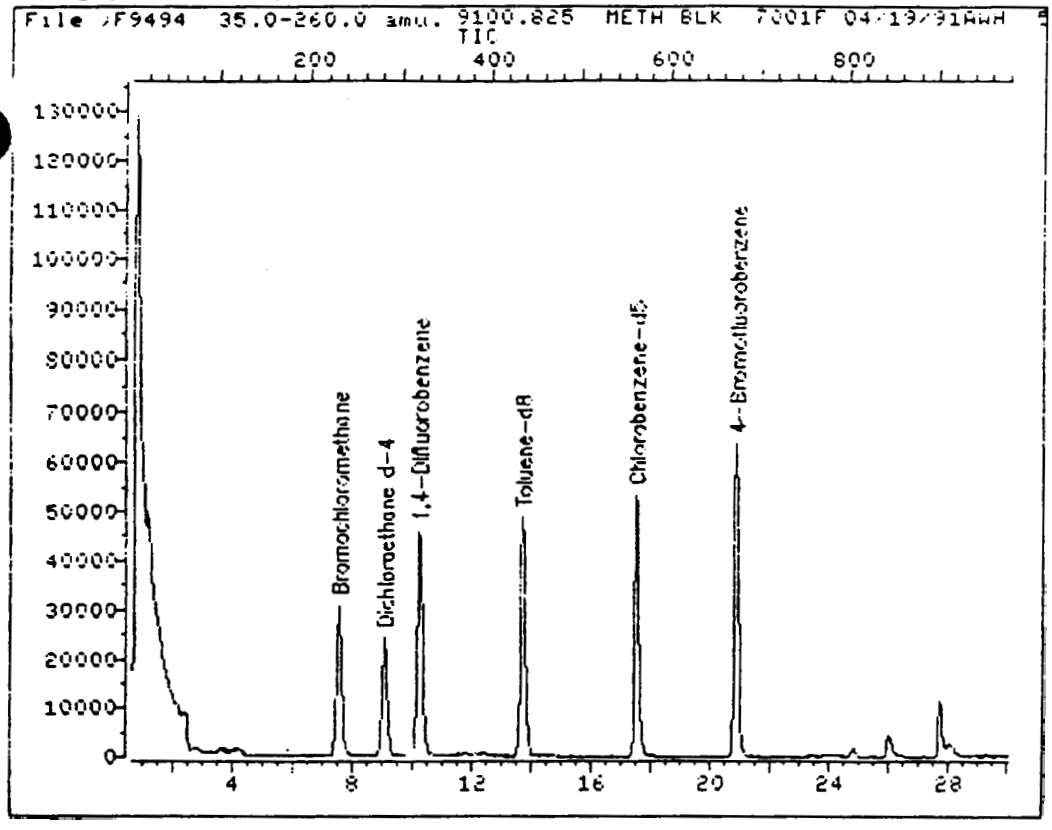
m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.10	7.659	50.10	23.850	72.25	.566	80.95	2.661	105.90	.223
38.10	5.833	51.10	7.038	73.05	4.998	86.95	2.800	173.20	.797
39.00	1.901	57.05	3.014	74.05	16.385	89.05	3.552	174.00	86.601
40.00	.343	61.15	4.664	75.05	50.714	92.00	2.754	175.00	6.482
44.10	3.208	62.15	4.998	76.05	4.442	93.10	3.848	174.00	87.120
47.00	.371	63.05	3.227	77.95	.250	94.10	10.710	177.00	5.490
48.10	.668	69.05	11.063	78.85	2.467	95.10	100.000	219.05	2.012
49.00	5.796	69.05	13.186	80.15	.213	96.10	6.992		

[illegible] data file header from : >F9482

[illegible]mple: BFB 50NGS Operator: USER4 PEG. GPF. 4 19/91 8:48
[illegible]sc : 7001F 04/19/91AWH 1UL DIR INJ 541-110-4
[illegible] : [illegible] model: [illegible]

3200582

TOTAL ION CHROMATOGRAM



Data File: >F9494::D6 Quant Output File: >F9494::DB
Name: 9100.825 METH BLK
Misc: 7001F 04/19/91AWH 5MLS DI(10ULS IS/SS)

id File: COFWV1::D2
Title: VOA ID FILE FOR WATERS ON 7001F (CONT. CAL.)
Last Calibration: *910419* 11:55

Operator ID: USER4
Quant Time: 910419 17:55
Injected at: 910419 17:24

QUANT REPORT

Operator ID: USER4 Quant Rev: 6 Quant Time: 910419 17:55
Output File: ^F9494::DB Injected at: 910419 17:24
Data File: ^F9494::D6 Dilution Factor: 1.00000
Name: 9100.825 METH BLK
Misc: 7001F 04/19/91HWH 5MLS DI(10ULS IS/SS)

ID File: COFWU1::D2
Title: UOA ID FILE FOR WATERS ON 7001F (CONT. CAL.)
Last Calibration: 910419 11:55

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	7.59	128.0	52958	50.00	UG/L	97
9)	Methylene Chloride	3.63	84.0	4058	2.91	UG/L yes	93
10)	Acetone	2.79	43.0	7732	14.76	UG/L yes	100
24)	1,2-Dichloroethane-d4	9.12	65.0	103265	50.28	UG/L	100
27)	*1,4-Difluorobenzene	10.26	114.0	209215	50.00	UG/L	100
45)	*Chlorobenzene-d5	17.52	117.0	162047	50.00	UG/L	100
53)	Toluene-d8	13.74	98.0	192706	51.56	UG/L	85
61)	Bromofluorobenzene	20.88	95.0	127284	44.63	UG/L	93

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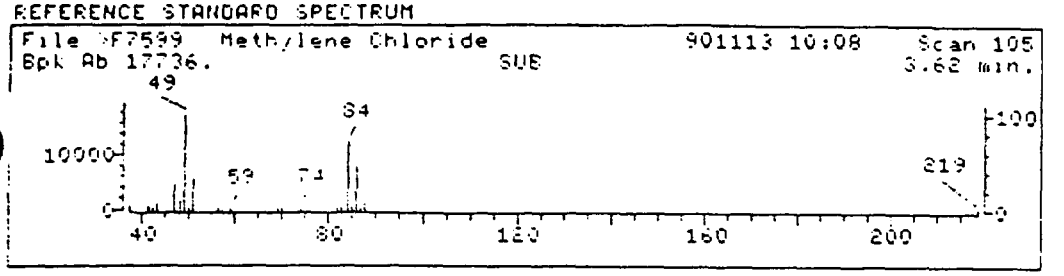
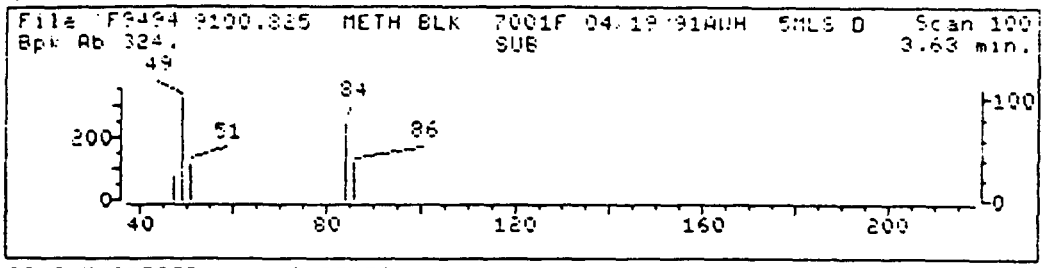
* Compound is ISTD

3200583

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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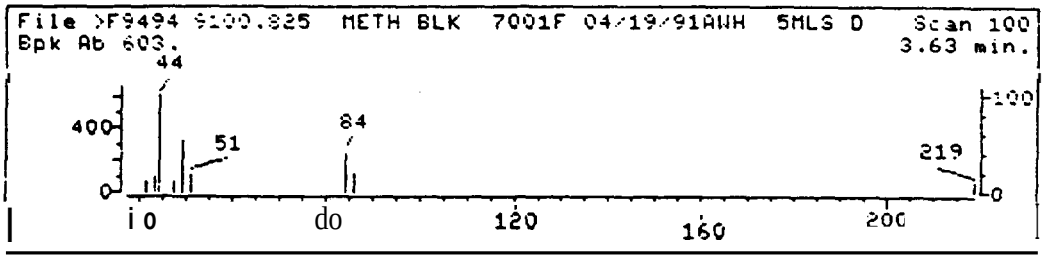
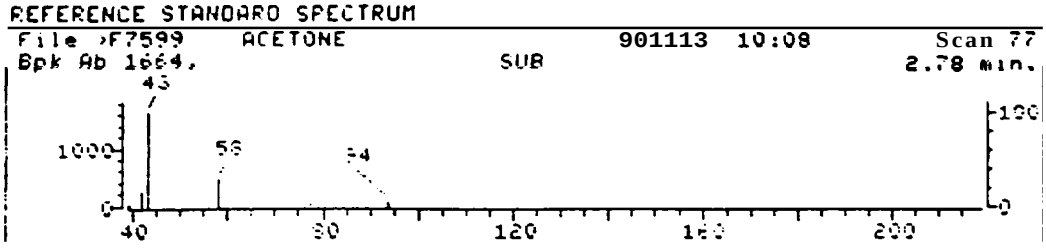


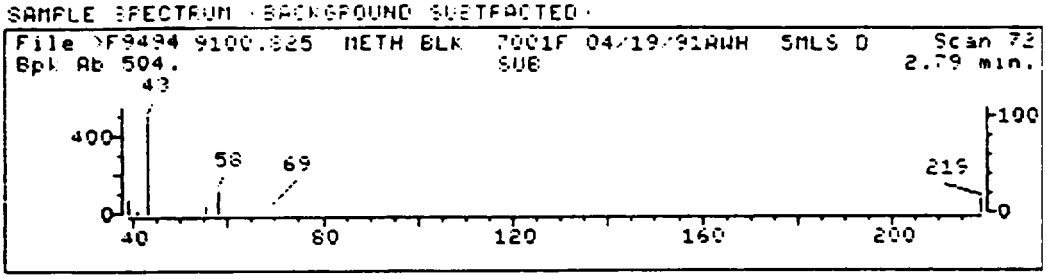
Data File: >F9494::D6 Quant Output File: ^F9494::DB
Name: 9100.825 METH BLK
Misc: 7001F 04/19/91AWH 5MLS D!(10ULS IS/SS)
Quant Time: 910419 17:55 Quant ID File: CDFWU1::D2
Injected at: 910419 17:24 Last Calibration: 910419 11:55

Compound No: 9
Compound Name: Methylene Chloride
Scan Number: 100
Retention Time: 3.63 min.
Quant Ion: *84.0*
fires: 4058
Concentration: 2.91 UG/L
q-value: *93*

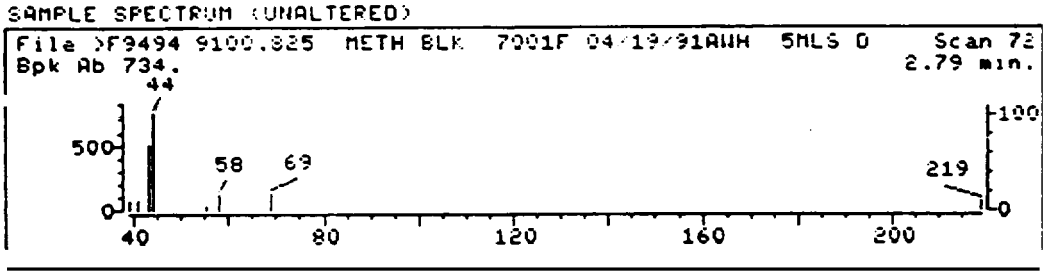
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



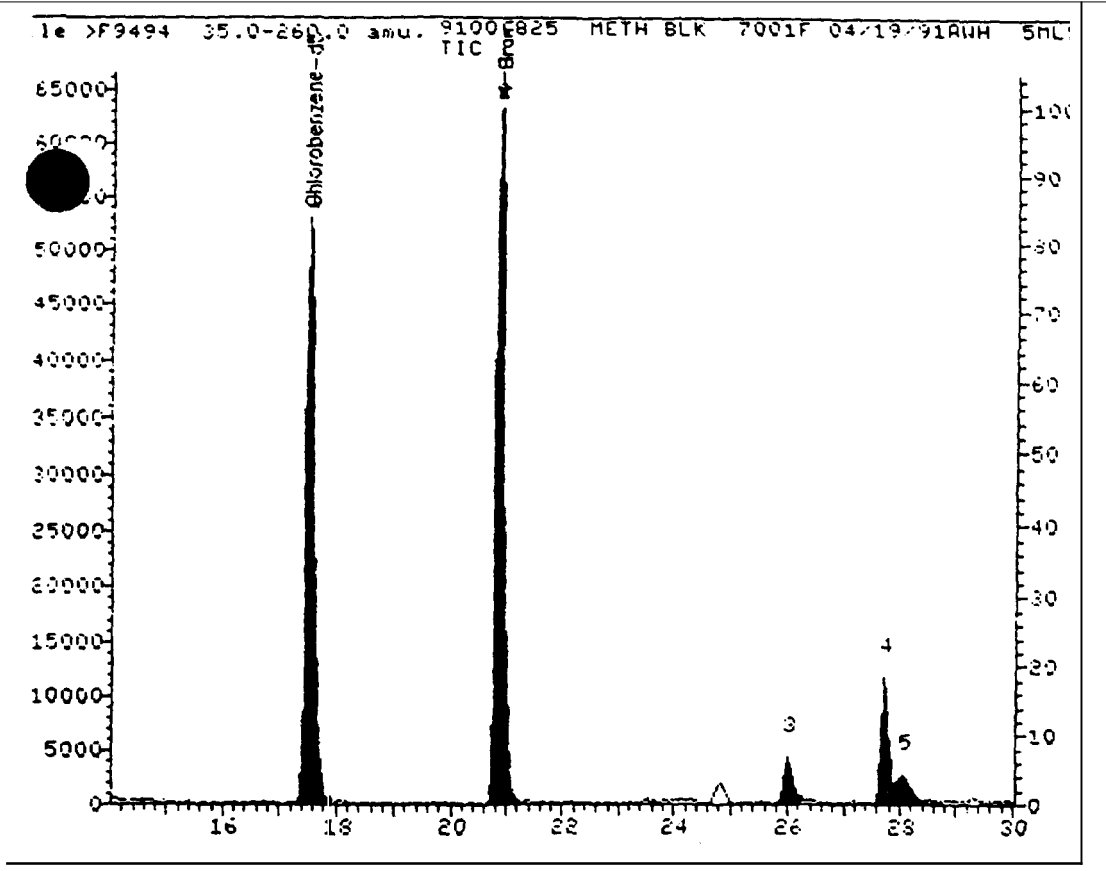
SAMPLE SPECTRUM (UNALTERED)



Data File: >F9494::D6 Quant Output File: ^F9494::DB
Name: 9100.825 METH BLK
Misc: 7001F 04/19/91AWH 5MLS DI(10ULS IS/SS)
Quant Time: 910419 17:55 Quant ID File: COFWV1::D2
Injected at: 910419 17:24 Last Calibration: 910419 11:55

Compound No: 10
Compound Name: Acetone
Scan Number: 72
Retention Time: *2.79* min.
Quant Ion: *43.0*
Area: 7732
Concentration: *14.76* UG/L
q-ualue: 100

3200584

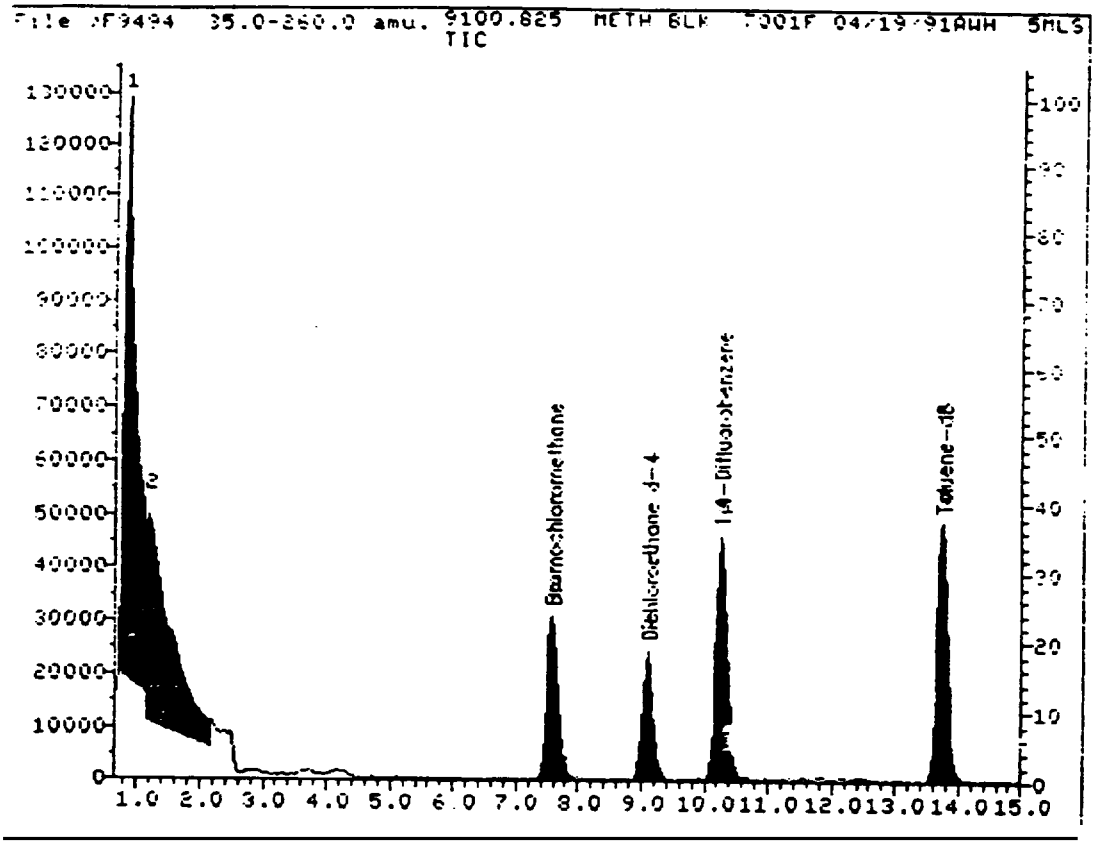


>F9494 9100.825 METH BLK 7001F 04/19/91AWH 5MLS DI(10ULS 19:59

35.01 260.0 TIC
up5lope: .00 Area Reject: *5.00* % Max Peaks: 5 Bunching: 1
Dnslope: 0.00 Results File VDIR87 Sorted by Time/Area INT

Peak #	P.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	17.52	556	563	576	52909	543891	540831	85.90	39.560
2	20.88 553	667	675	688	63236	634839	629585	100.00	46.052
3	26.01	941	846	853	4208	51643	48100 <10%	7.64	3.518
4	27.22	897	903	909	11512	110099	105887	16.82	7.745
5	28.05	909	914	929	2603	53109	42706 <10%	6.78	3.124

Sum of corrected areas: 1367109.



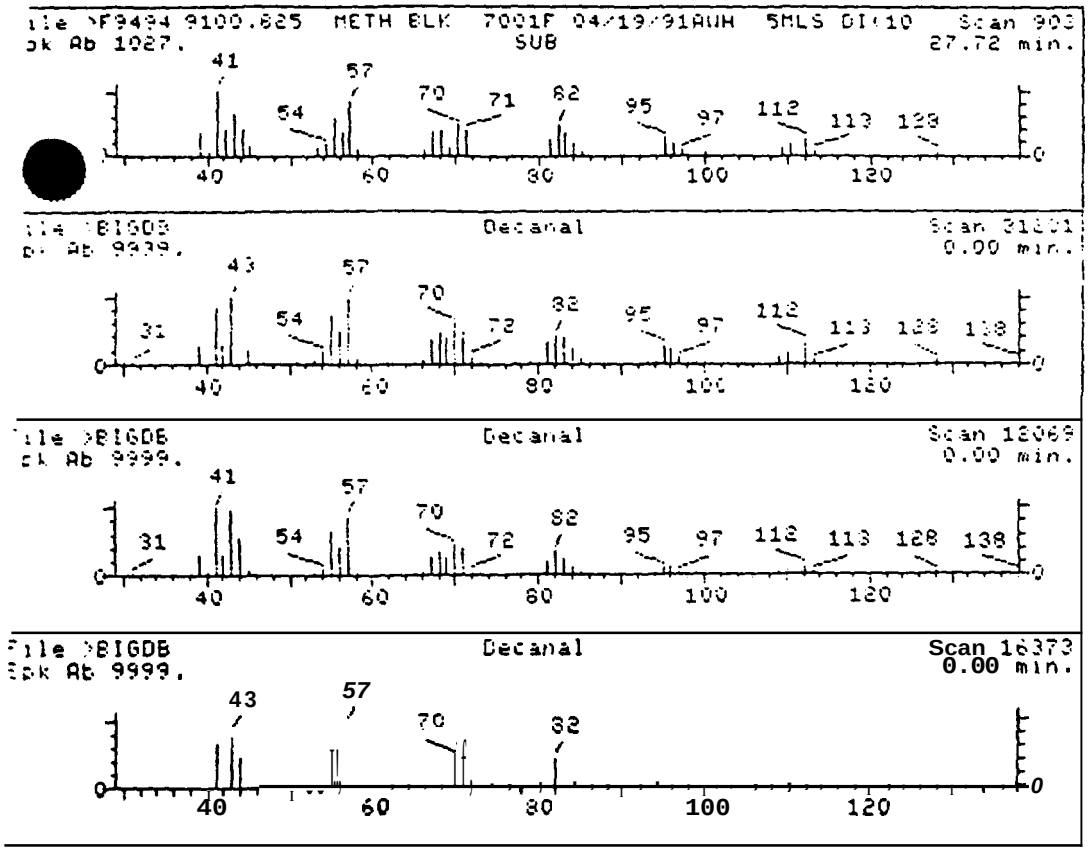
XF9494 9100.825 METH BLI 7001F 04/19/91AWH 5MLS DI(10ULS IS/SS)

35.0 260.0 TIC
Upslope: .00 Area Reject: 5.00 % Max Peaks: 0 Bunching: 1
Onslope: 0.00 Results File VOIR87 Sorted by Time/Area INT

Peak #	R.T. min.	first scan	msx scan	last scan	peak height	raw area	corr. area	torr. % max.	% of total
1	84 (02)	3	7	18	113166	2070747	1577163	100.00	37.152
2	1.20	18	19	51	43683	1438670	924250	58.60	21.772
3	7.59	223	232	244	30364	377532	363847	23.07	8.571
4	9.09 (561)	274	282	294	24080	291999	278030	17.69	6.570
5	10.26	313	321	333	45087	556360	532164	33.74	12.530
6	13.74 (557)	427	437	448	48472	574019	568840	36.07	13.400

Sum of corrected areas: 4245194.

3200585



UNKNOWN #,2
AREA = 105887.0 TENTATIVE CONCENTRATION IS 10.00

1. Decanal Bonnie	156	C10H20O
2. Decanal	156	C10H20O
3. Decanal	156	C10H20O
4. Cyclooctane	112	C8H16
5. Cyclooctanol	128	C8H16O
6. Octanal	128	C8H16O

Sample file: >F9494 Spectrum #: 903
Search speed: 2 Tilting option: S No. of ion ranger searched: 59

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IU
1.	73	112312	31201	"BIGDB	117	9	1	-1	63	23	32	66
2.	42	112312	12069	"BIGDB	55	63	0	0	71	35	16	25
3.	41	112312	16373	"BIGDB	55	6	0	0	77	42	14	3
4.	28*	292648	30884	"BIGDB	57	59	2	0	57	55	8	34
5.	23*	0	16369	"BIGDB	38	18	0	0	81	60	6	44
6.	15*	124130	17653	"BIGDB	41	59	0	0	35	64	3	43

Data File >F9494::D6 Injected at 4/19/91 17:24
Instr.7001F

5/1/91 S.S

MS data file header from : >F9494

Sample: 9100.825 METH BLK Operator: USER4 FEG. GPP. 4/19/91 17:24
Misc : 7001F 04/19/91AWH 5MLS DI/10ULS IS/SS)
Sys. #: 1 MS model: 70 SW/HW rev.: IP HLS # : 0
Method file: MET524 Tuning file: MT524 No. of extra records: 2
Source temp.: 0 Analyzer temp.: 200 Transfer line temp. : 0

Chromatographic temperatures :	5.	90.	170.	0.	0.
Chromatographic times, min. :	5.0	0.0	10.0	0.0	0.0
Chromatographic rate, deg/min:	5.0	10.0	0.0	0.0	0.0

>F9494 9100.825 METH BLK 7001F 04/19/91AWH 5MLS DI/10ULS IS/SS)

35.0; 260.0 CLP TIC
Upslope: .20 Area Reject: 36385. Max Peaks: 2 Bunching: 1
Onslope: 0.00 Results File IF9494 Sorted by Time/Area INT

Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	26.01	841	846	853	4208	51643	48100	45.43	31.236
2	27.72	897	903	909	11512	110099	105887	100.00	68.764

Sum of corrected areas: 153987.

Summary of Unknowns PBM Library Search and Quantitation

Standard	Concentration	Area	Retention Time	Unknown Window
1	50.0	363847.	7.59	.99 - 8.92
2	50.0	532164.	10.26	8.92 - 13.89
3	50.0	540831.	17.52	13.89 - 30.06

(A) Dilution Factor = 1.00 U dilf = 1.00
Method called for 1000.000 g or mL This ssmpie was 1000.000 g or mL

Correction Factor = 1.00

$$\text{Unknown Concentration} = \frac{\text{Conc Int Std}}{\text{Area Int Std}} * \text{Area Unknown} * \text{Correction Factor}$$

6:24 PM TUE., 30 APR., 1991

3200586

ATTACHMENT G

APPENDIX IX RAW LABORATORY DATA:

SEMIVOLATILE ORGANIC COMPOUNDS

APPENDIX IX SEMIVOLATILE COMPOUNDS
(Page 1)

000007

Case No: STRND Region: Instrument ID: 4501
Contractor: IT PITTSBURGH Calibration Date: 84/84/91
Contract No:

Laboratory ID	C840404B	C440404B	C740404B	C640404B	C340404B			CCC*
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	AVE RF	% RSD	SPCC**
N-NITROSODIMETHYLRMINE	1.868	1.065	1.861	1.871	1.298	1.111	9.4	
N-NITROSOMETHYLETHYLAMINE . .	8.776	8.873	8.833	8.814	0.802	8.820	4.4	
2-PICOLINE	0.820	0.899	0.869	0.872	0.994	a.891	7.2	
Phenol . . . . . , . . .	2.184	2.288	2.220	2.803	2.035	2.146	5.7	*
Aniline	1.967	2.219	2.280	2.154	2.237	2.135	7.2	
bis(2-Chloroethyl)Ether . . .	1.998	2.817	1.855	1.636	1.893	1.880	a.1	
+Chlorophenol . . , ...	1.502	1.555	1.481	1.397	1.687	1.588	5.3	
1,3-Dichlorobenzene . , . . .	1.552	1.542	1.426	1.331	1.472	1.465	6.2	
1,4-Dichlorobenzene	1.636	1.552	1.472	1.323	1.448	1.485	d.8	*
Benzyl Rlcohol , ...	8.825	0.867	8.981	8.869	1.061	0.905	18.1	
1,2-Dichlorobenzene	1.509	1.462	1.383	1.386	1.396	1.411	5.5	
						2.528	8.5	
						1.146	5.5	* *
						0.703	6.4	
						8.428	8.1	
						8.790	7.6	
						8.204	10.0	•
						8.345	7.0	
						8.544	6.0	
						0.274	5.7	•
						0.285	13.3	
						8.952	19.2	
						0.302	43.4	
						0.125	14.7	*
						0.333	7.5	*
						0.683	18.8	
						8.139	15.1	* *
						8.279	4.2	*
						0.344	12.8	
						1.190	13.6	
						0.415	4.5	
						1,158	12.0	
						1.541	13.3	
						0.439	56.9	
						8.235	23.1	
						0.966	15.6	*
						0.139	6.2	* *
						0.082	13.8	* *
						1.447	11.9	
						0.387	6.6	
						1.169	6.8	
						0.420	21.2	
						1.077	22.0	
						0.161	39.5	
						0.275	5.8	
						0.459	17.4	*
						0.194	14.1	
						0.194	18.9	

APPENDIX IX SEMIVOLATILE COMPOUNDS
(Page 2)

Case No: STAND Region: Instrument ID: 4581
Contractor: IT PITTSBURGH Calibration Date: 04/04/91
Contract No:

Laboratory ID	C840404B	C440404B	C740404B	C640404B	C340404B			CCC*
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	AVE RF	% RSD	SPCC**
Pentachlorophenol	x	0.137	0.135	0.133	0.142	8.137	2.8	•
Phenanthrene	1.292	1.165	0.987	0.844	0.941	1.046	17.2	
Rnthracene	1.186	1.849	8.996	0.745	0.690	0.933	22.5	
Di-n-Butylphthalate	1.554	1.417	1.236	1.888	0.002	1.059	58.2	
Fluoranthene	1.171	1.105	0.974	0.815	8.849	8.983	15.8	*
Pyrene	1.853	1.571	1.437	1.355	1.326	1.508	14.2	
Butylbenzylphthalate	0.876	0.014	0.749	0.771	0.768	8.796	6.4	
3,3'-Dichlorobenzidine	0.405	0.367	0.320	0.303	8.346	8.340	11.5	
Benro(a)Anthracene	1.429	1.283	1.113	1.824	1.095	1.189	13.8	
Chrysene	1.284	1.119	0.934	0.728	0.709	0.955	26.1	
bis(2-Ethylhexyl)Phthalate	1.178	1.087	1.016	0.968	0.865	1.021	11.7	
Di-n-Octyl Phthalate	1.882	1.794	1.712	1.592	1.431	1.666	9.4	•
Benzo(b)Fluoranthene	1.437	1.176	1.213	8.967	0.764	1.111	23.0	
Benzo(k)Fluoranthene	1.263	1.277	1.020	0.867	0.764	1.040	22.1	
Benzo(a)Pyrene	1.197	1.144	1.053	0.934	0.902	1.046	12.3	•
Indeno(1,2,3-cd)Pyrene	1.172	1.080	1.013	0.943	1.013	1.044	8.3	
Dibenz(a,h)Anthracene	0.939	0.936	0.802	0.760	0.799	0.865	9.1	
Benzo(g,h,i)Perylene	1.021	1.010	0.883	0.810	0.913	0.927	9.6	
TOTAL METHYLPHENOL	1.464	1.338	1.124	1.024	1.042	1.198	16.2	* •
PYRIDINE	1.423	1.395	1.332	1.310	1.280	1.349	4.6	* •
2,3,4,6-TETRACHLOROPHENOL	0.265	0.276	0.275	0.273	0.279	0.274	1.9	* •

3200580

CALIBRATION - DECRFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: IT PITTSBURGH Contract: 965820

Lab Code: ITPFI Case No. : EC3165 SAS No. : _____ SDG No. : GENERR

Lab File ID: DF40404D DFTPF' Injection Date: 04/04/91

Instrument ID: 4581 DFTPP Injection Time: 8747

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.7
68	Less than 2.0% of mass 69	16.6 (1.4)1
69	Mass 69 relative abundance	42.6
78	Less than 2.8% of mass 69	8.8 (0.0)1
127	40.0 - 60.0% of mass 198	43.a
197	Less than 1.8% of mass 198	8.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	19.7
365	Greater than 1.88% of mass 198	2.03
441	Present, but less than mass 443	6.5
442	Greater than 48.8% of mass 198	51.5
443	17.0 - 23.0% of mass 442	10.1 (19.7)2

1-Value is % mass 69 2-Value is % mass 442

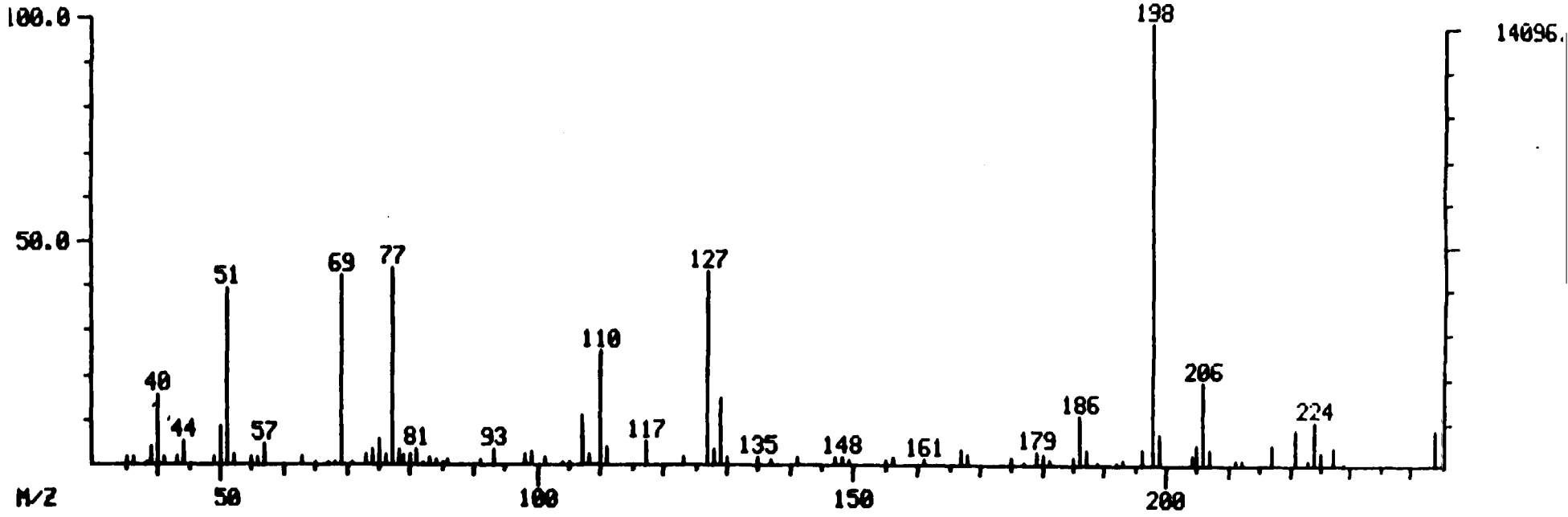
THIS TUNE APPLIES TO THE FOLLOWING SCIMPLES, MS, MSD, BLRNKS, FIND STANDARDS:

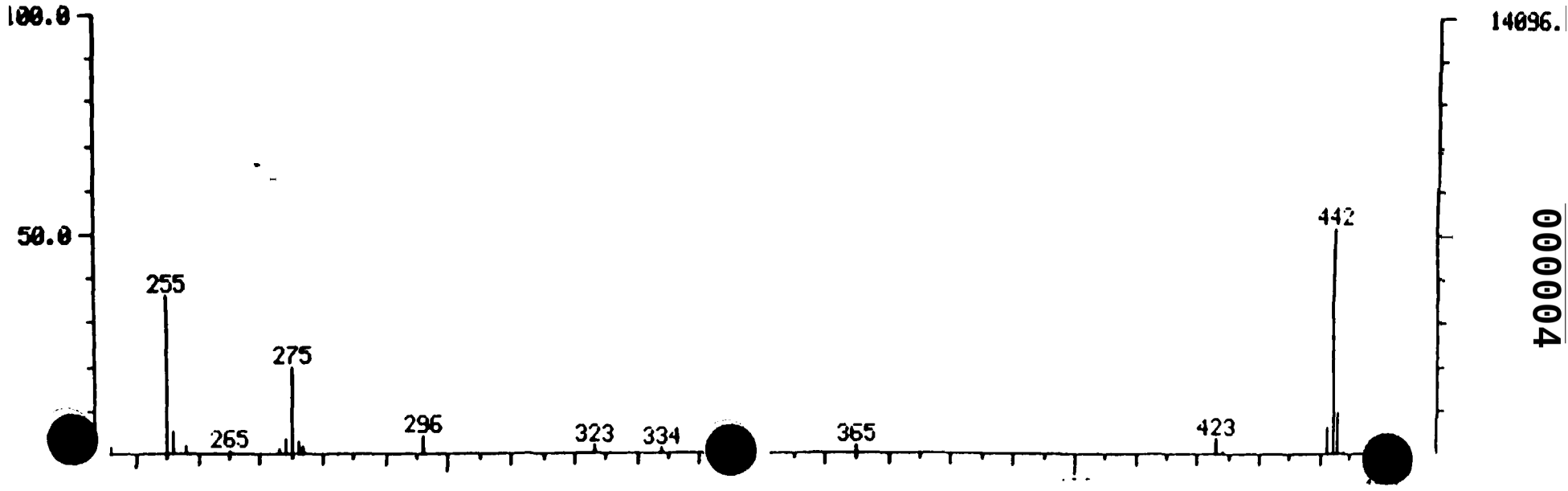
	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	SSTD160	C340404B	04/04/91	948
02	SSTD50	SSTD50	C440404B	04/04/91	1055
03	SSTD120	SSTD120	C640404B	04/04/91	1320
84	SSTD80	SSTD80	C740404B	04/04/91	1420
85	SSTD20	SSTD20	C840404B	04/04/91	1510

FORM V SV 1/87 Rev.

320C589

MASS SPECTRUM
04/04/91 7:47:00 + 6:56
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
#416 TO #417 SUMMED





0000004

Mass List
04/04/91 7:47:00 + 6:56
Sample: DFTPP 4-123-C SAB
Conds.: 4301 FSCC GCBA CASE# SDG#
#416 to #417 summed

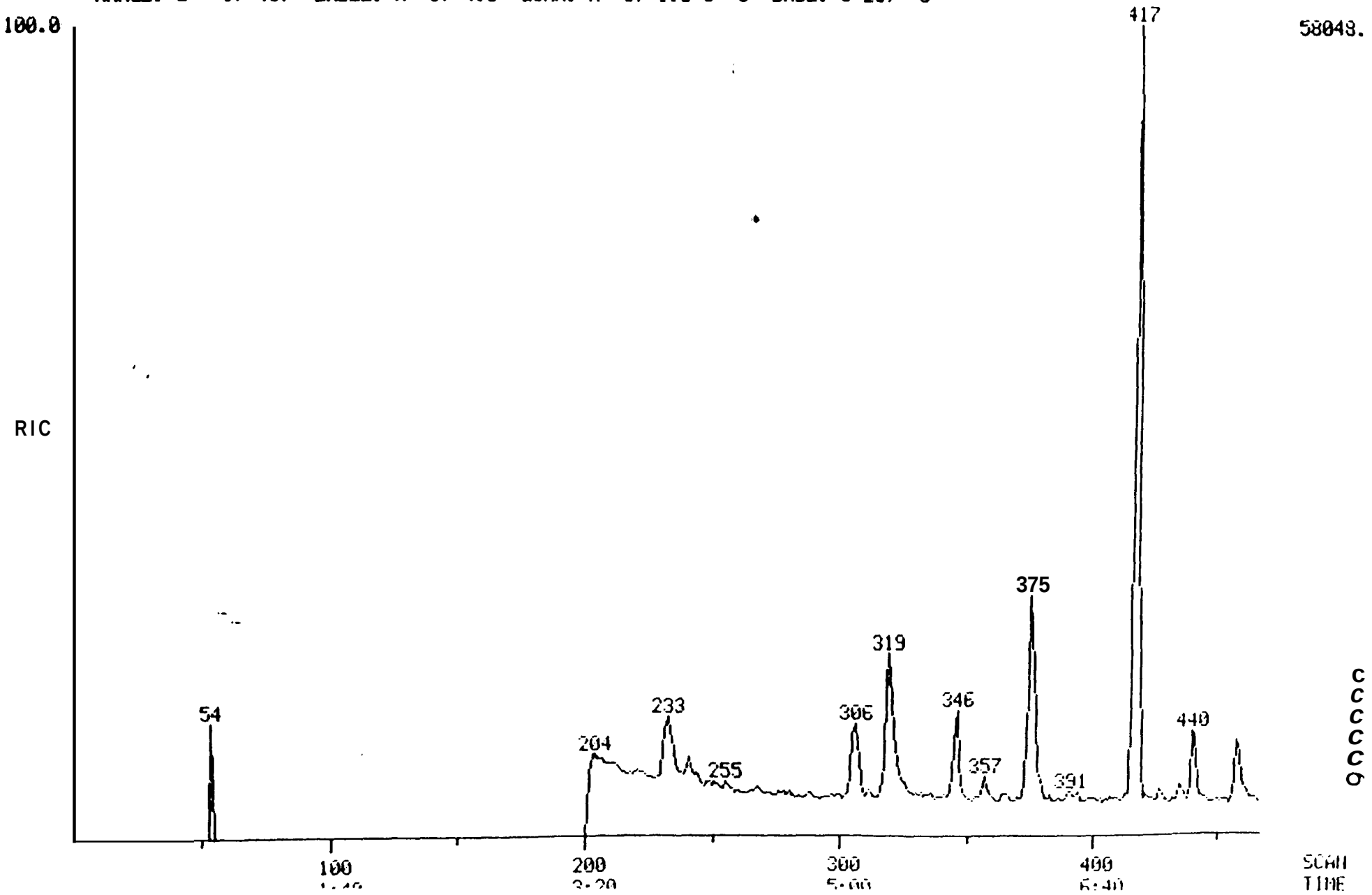
Data: DF40404D # 416
Coli: C140402D # 2

RIC: m/z 102992.

35	0.00	0.	Minima	Min	Inten	108.
444			Maxima	#	0	
Mass	% RA	Inten.	Mass		% RA	Inten.
313?	1.49	210.	149		1.35	191.
36?	1.81	255.	155		1.42	200.
39'7	4.01	565.	136		1.94	273.
40?	13.49	2184.	161		1.42	200.
41?	1.82	296.	167		3.47	518.
43?	1.77	230.	168		2.30	324.
44'7	5.39	760.	173		1.67	236.
49?	1.61	227.	179		2.99	422.
50?	9.01	1270.	180		2.21	311.
51?	39.67	5392.	181		1.23	174.
52?	2.30	324.	185		1.53	216.
35?	1.70	239.	186		10.94	1542.
56?	1.75	247.	187		3.49	492.
57'7	4.49	633.	189		0.81	114.
63?	1.68	237.	193		1.39	196.
65?	0.84	119.	196		3.33	469.
69	42.37	6000.	198		100.00	14096.
73	2.58	364.	199		6.98	984.
74	3.20	462.	204		2.56	361.
73	3.97	842.	203		4.37	616.
76	2.13	303.	206		18.56	2616.
77	44.04	6208.	207		3.67	310.
78	3.41	400.	211		0.92	129.
79	2.S0	332.	212		0.89	123.
80	2.04	288.	217		4.34	640.
81	3.51	493.	221		8.04	1134.
82	0.80	113.	223		1.33	190.
83	1.71	241.	224		9.70	1368.
84	1.40	197.	225		2.69	379.
84	1.38	194.	227		3.00	336.
91	1.37	193.	244		8.16	1130.
93	3.47	489.	243		1.31	184.
98	2.36	361.	246		1.54	217.
99	2.82	397.	255		36.10	3088.
101	1.71	241.	256		3.31	776.
107	11.22	1582.	238		1.97	270.
108	2.19	308.	273		1.29	182.
110	29.65	3616.	274		3.67	317.
111	4.00	564.	273		19.69	2776.
117	3.44	767.	276		2.88	406.
123	1.34	217.	277		1.65	232.
127	43.81	6176.	296		4.31	607.
128	3.50	494.	323		1.81	233.
129	14.90	2100.	334		1.10	166.
130	1.34	217.	363		2.03	286.
133	1.63	232.	423		3.21	432.
137	1.23	176.	441		6.46	911.
141	1.89	267.	442		31.33	7264.
147	1.73	244.	443		10.16	1432.
148	1.97	277.	444		0.84	119.

RIC
04/04/91 7:47:00
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
RANGE: G 1, 467 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: DF40404D #1 SCANS 1 TO 467
CALI: C140402D #2



GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number		Laboratory:		Contract:	
Inst ID:	4501	Sens Date:	04/04/91	Sens Time:	7:47:00
Lab ID:	DF40404D	Cali Date:		Analyrt:	SAB

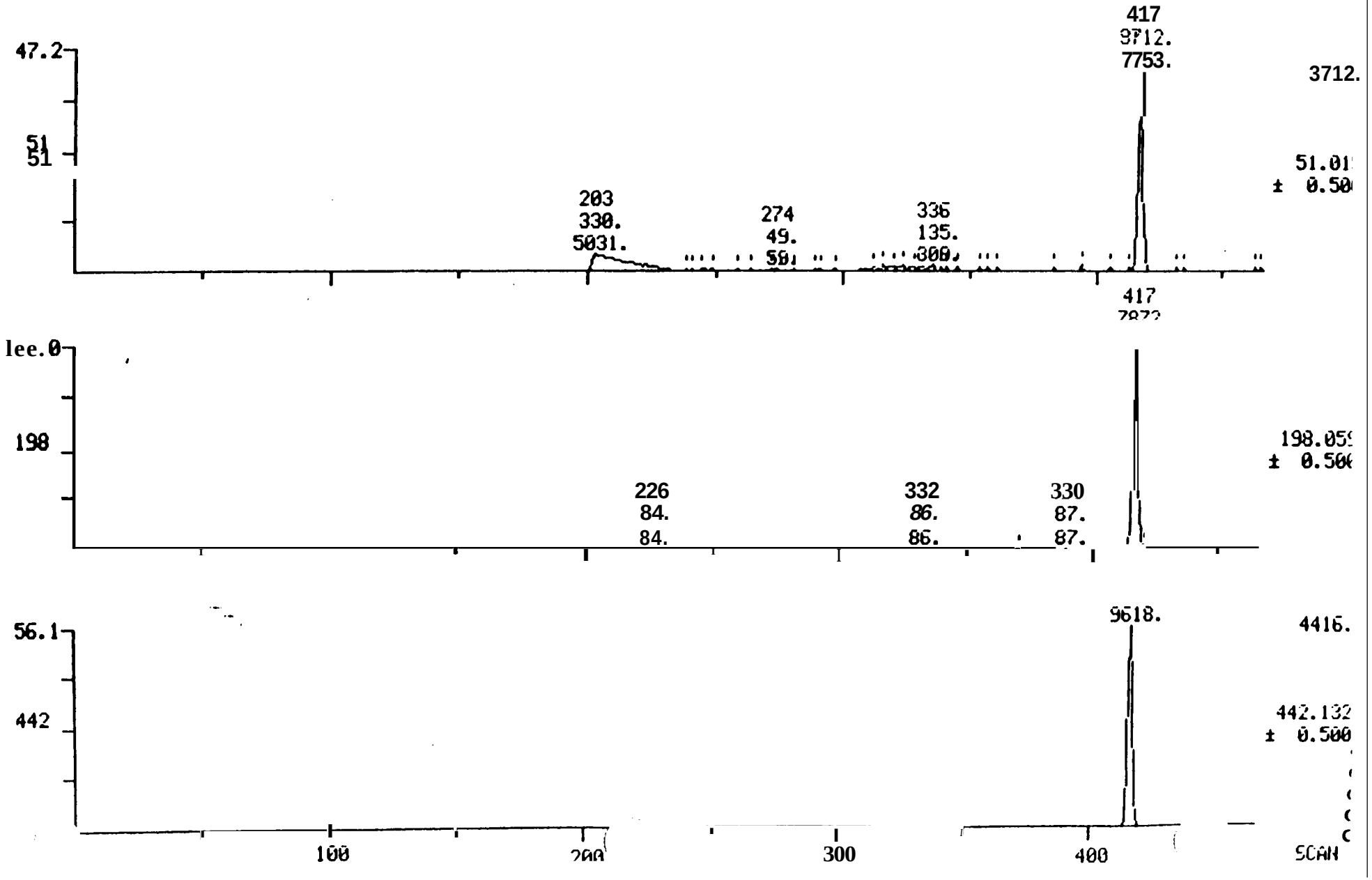
Data release authorized by _____

M/E	Ion Abundance Criteria	Spec # 416	
51	30 to 60X of mass 198	39.67	
68	less then 2% of mass 69	0.58	(1.37) 1
69	mars 69 relative abundance	42.37	
70	less than 2% of mars 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	43.81	
197	loss then 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	6.98	
275	10 TO 30% of mass 198	19.69	
365	greater than 1% of mass 198	2.03	
441	less than mass 443	6.46	
442	greater than 40% of mass 198	51.53	
443	17 TO 23% of mars 442	10.16	(19.72)2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

3200591

MASS CHROMATOGRAMS DATA: DF40404D #416 SCANS TO 467
04/04/91 7:47:00 CALI: C140402D #2
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
RANGE: G 1, 467 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



000009

Case No: STRND Region: Instrument ID: 4501
Contractor: IT PITTSBURGH Calibration Date: 04/04/91
Contract No:

Laboratory ID	C840404D	C440404D	C740404D	C640404D	C340404D			
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	QUE RF	% RSD	CC(SPC(
METHYL METHANESULFONATE	0.227	0.265	0.273	0.267	0.347	0.276	15.9	
N-NITROSODIETHYLAMINE	0.692	0.759	0.737	0.705	0.746	0.728	3.9	
ETHYLMETHANESULFONATE	1.175	1.250	1.ai	1.162	1.383	1.236	7.2	
PENTACHLOROETHANE	0.586	0.570	0.534	0.505	16.453	0.530	10.0	
N-NITROSOPYRROLIDINE	0.710	0.840	0.796	0.746	0.825	0.783	7.a	
QCETOPHENONE	2.120	2.868	1.640	1.645	1.867	1.906	9.9	
N-NITROSOMORPHOLINE	0.884	0.968	0.837	0.865	0.825	0.876	6.5	
P-PHENYLENEDIAMINE	2.920	2.676	2.437	2.048	2.085	2.433	15.5	
0-TOLUIDINE	1.585	2.121	2.072	1.884	1.818	1.896	11.3	
N-NITROSOPIPERIDINE	0.306	0.328	0.296	0.289	0.324	0.309	5.5	
QLPHR,ALPHA-DIMETHYLPHENETHYLA	8.368	0.278	8.111	0.122	8.020	8.178	77.2	
2,6-DICHLOROPHENOL	8.291	0.284	0.265	0.245	0.244	8.266	a 1	
HEXRCHLOROPROPENE	0.072	0.076	0.072	0.067	0.059	0.069	9.4	
N-NITROSODI-N-BUTYLAMINE	0.263	0.277	8.246	8.248	0.271	8.261	5.3	
SAFROLE	0.282	0.280	0.256	0.234	0.230	0.256	9.6	
1,2,4,5-TETRACHLOROBENZENE	8.527	0.482	0.424	0.359	0.379	0.434	16.2	
ISOSAFROLE	0.543	0.540	0.513	0.459	0.428	0.497	10.3	
M-DINITROBENZENE	0.193	0.214	0.216	0.210	0.134	0.194	17.9	
PENTACHLOROBENZENE	0.429	0.408	0.361	0.274	0.281	0.351	20.3	
1-NAPHTHYLAMINE	0.055	8.062	0.867	0.236	0.555	0.199	106.6	
2-NAPHTHYLAMINE	0.168	0.028	0.026	0.135	0.406	0.153	101.7	
5-NITRO-0-TOLUIDINE	8.194	0.189	0.196	0.190	0.156	0.185	0.9	
DIPHENYLAMINE	1.164	0.988	0.863	0.788	0.788	0.918	17.4	
SYM-TRINITROBENZENE	0.185	0.284	0.210	0.053	0.015	0.133	69.1	
PHENRCETIN	8.480	0.427	8.363	0.268	0.212	8.338	27.5	
4-QMINOBIPHENYL	0.016	0.022	0.020	0.025	0.052	0.027	51.1	
PRONAMIDE	0.280	0.270	0.253	0.247	0.027	0.215	49.3	
PENTRCHLORONITROBENZENE	0.088	8.079	0.076	0.072	0.073	0.076	8.3	
4-NITROQUINOLINE-1-OXIDE	0.041	0.066	0.065	0.059	0.814	0.049	44.9	
METHRPYRILENE	0.623	0.628	0.463	0.408	0.424	0.513	20.7	
ISODRIN	0.156	0.147	0.132	0.122	0.122	0.136	11.2	
RRRMITE	0.108	0.106	0.181	0.107	0.092	0.103	6.4	
P-DIMETHLAMINOAZOBENZENE	0.588	0.559	8.522	0.541	0.549	0.550	3.9	
3,3-DIMETHYLBENZIDINE	0.326	0.114	0.090	0.076	0.194	0.160	64.6	
KEPONE.	0.097	0.095	0.077	0.083	0.062	0.083	17.3	
2-ACETYLAMINOFLUORENE	0.499	0.533	0.479	a 450	0.505	0.493	6.3	
7,12-DIMETHYLBENZ(A)ANTHRACENE	0.555	0.515	0.456	0.386	0.360	0.455	18.2	
3-METHYLCHOLANTHRENE	0.536	0.575	0.551	0.509	0.556	0.545	4.5	
DINOSEB	0.378	0.354	0.336	e 312	0.145	a 305	30.4	
1,4-NAPHTHOQUINONE	0.216	8.243	0.229	0.210	0.430	0.266	34.8	
HEXRCHLOROPHENE	0.100	0.099	0.120	0.114	0.113	0.109	8.5	

APPENDIX IX SEMIVOLATILE COMPOUNDS

(Page 1)

Case No: SIGND Region: Instrument ID: 4501
Contractor: IT PITTSBURGH Calibration Date: 04/04/91
Contract No:

Laboratory ID	C840404B	C440404B	C740404B	C640404B	C340404B			CCC
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	AVE RF	% RSD	SPCC
N-NITROSODIMETHYLAMINE	1.060	1.865	1.861	1.071	1.298	1.111	9.4	
N-NITROSOMETHYLETHYLRMINE	0.776	8.873	8.833	a.814	8.802	0.820	4.4	
2-PICOLINE	a.820	0.899	8.869	8.872	a.994	8.891	7.2	
Pheno1	2.184	2.288	2.220	2.003	2.035	2.146	5.7	•
Aniline	1.867	2.219	2.200	2.154	2.237	2.135	7.2	
bis(2-Chloroethyl)Ether	1.998	2.017	1.855	1.636	1.893	1.888	8.1	
2-Chlorophenol	1.502	1.555	1.481	1.397	1.607	1.508	5.3	
1,3-Dichlorobenzene	1.552	1.542	1.426	1.331	1.472	1.465	6.2	
1,4-Dichlorobenzene	1.636	1.552	1.472	1.323	1.440	1.485	8.a	•
Benzyl Rlcohol	0.825	0.867	a.901	0.869	1.061	0.905	10.1	
1,s-Dichlorobenzene	1.509	1.462	1.383	1.306	1.396	1.411	5.5	
bis(2-Chloroisopropyl)Ether	2.458	2.590	2.438	2.292	2.861	2.528	8.5	
N-Nitroro-Di-n-Propylamine	1.087	1.199	1.143	1.080	1.220	1.146	5.5	* *
Hexachloroethane	a.714	0.725	0.695	0.632	0.751	0.703	6.4	
Nitrobenzene	8.454	8.472	a.421	0.394	0.397	a.428	8.1	
Isophorone	0.849	0.855	0.762	0.715	0.771	0.790	7.6	
2-Nitrophenol	0.226	0.226	0.192	8.182	0.196	0.204	10.0	*
2,4-Dimethylpheno1	0.346	0.378	0.335	0.312	0.354	0.34s	7.0	
bis(2-Chloroethoxy)Methane	0.571	a.583	0.532	0.503	0.530	0.544	6.8	
2,4-Dichlorophenol	0.268	0.297	0.268	0.256	0.280	0.274	5.7	*
1,2,4-Trichlorobenzene	0.332	0.317	0.275	0.246	0.255	0.285	13.3	
Naphthalene	1.148	1.110	0.967	0.784	0.749	0.952	19.2	
4-Chloroaniline	0.100	8.285	0.291	0.391	0.442	a.302	43.4	
Hexachlorobutadiene	0.152	0.135	0.117	0.111	0.109	0.125	14.7	*
4-Chloro-3-Methylphenol	0.316	0.360	0.310	0.320	0.361	0.333	7.5	*
?-Methylnaphthalene	0.719	0.701	0.626	0.473	0.498	0.603	18.8	
Hexachlorocyclopentadiene	0.146	0.164	0.152	0.116	0.119	0.139	15.1	* *
2,4,6-Trichlorophenol	0.280	0.292	0.277	0.261	0.342	0.290	10.6	•
2,4,5-Trichlorophenol	x	0.386	0.371	0.334	0.287	0.344	12.8	
2-Chloronaphthalene	2.533	1.296	1.172	1.084	1.011	1.419	44.5	
2-Nitroaniline	x	0.400	0.430	0.398	0.433	0.415	4.5	
Dimethyl Phthalate	1.297	1.275	1.175	1.076	0.966	1.158	12.0	
Acenaphthylene	1.775	1.695	1.569	1.300	1.364	1.541	13.3	
2,6-Dinitrotoluene	1.775	1.695	1.569	1.300	1.364	1.541	13.3	
3-Nitroaniline	x	0.183	0.223	0.222	0.311	0.235	23.1	
Gcenaphrnene	1.125	1.087	0.99s	0.779	0.842	0.966	15.6	•
2,4-Dinitrophenol	x	0.129	0.148	0.144	0.135	0.139	6.2	* *
4-Nitrophenol	x	0.095	0.079	0.084	0.068	0.882	13.8	* *
Dibenzofuran	1.655	1.569	1.456	1.313	1.241	1.447	11.9	
2,4-Dinitrotoluene	0.393	0.418	0.413	0.361	0.360	0.387	6.6	
Diethylphthalate	1.257	1.244	1.154	1.119	1.073	1.169	6.8	
4-Chlorophrnyl-phenylether	0.S28	0.485	0.425	0.339	0.324	0.420	21.2	
Fluorene	1.357	1.247	1.101	0.797	0.881	1.077	22.8	
4-Nitroaniline	x	0.213	0.218	0.113	0.102	0.162	38.7	
4,6-Dinitro-2-Methylphenol	x	0.283	0.283	0.283	0.251	0.27s	5.8	
N-Nitrorodiphenylamine (1)	0.582	0.494	0.431	0.394	0.394	0.459	17.4	*
4-Brorophenyl-phenylether	0.227	0.216	8.190	0.168	0.167	0.194	14.1	
Hexachlorobenzene	0.246	0.210	0.188	0.160	0.167	0.194	18.5	

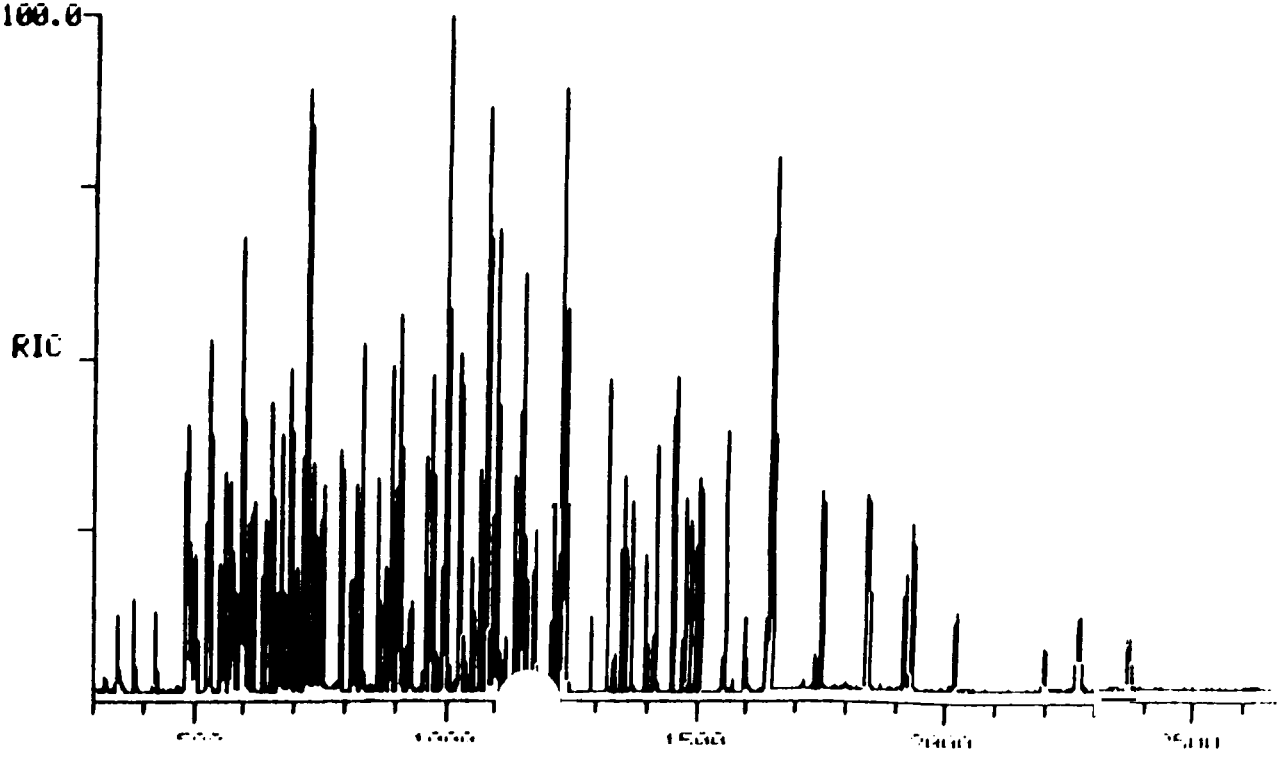
Case No: STAND Region: _____ Instrument ID: 4501
Contractor: IT PITTSBURGH Calibration Date: 04/04/91
Contract No: _____

Laboratory ID	C840404B	C440404B	C740404B	C640404B	C340404B			CCC
Compound	RF(20)	RF(50)	RF(80)	RF(120)	RF(160)	AVE RF	% RSD	SPCC
Pentachlorophenol	x	a.137	0.135	0.133	0.142	0.137	2.8	*
Phenanthrene	1.292	1.165	a.987	8.844	0.941	1.846	17.2	
Anthracene	1.186	1.a49	a.996	0.745	a.690	0.933	22.5	
Di-n-Butylphthalate	1.554	1.417	1.236	1.888	1,147	1.288	15.a	
Fluoranthene	1.171	1.185	a.974	0.815	a.849	0.983	15.8	*
Pyrene	1.853	1.571	1.437	1.355	1.326	1.508	14.2	
Butylbenzylphthalate	0.876	0.814	a.749	a.771	0.768	0.796	6.4	
3,3'-Dichlorobenzidine	8.405	0.367	0.320	0.303	0.346	8.348	11.5	
Benzo(a)Anthracene	1.429	1.283	1.113	1.024	1.895	1.189	13.8	
Chrysene	1.284	1.119	0.934	0.728	0.709	0.955	26.1	
bis(2-Ethylhexyl)Phthalate	1.178	1.087	1.016	8.968	0.865	1.021	11.7	
Di-n-Octyl Phthalate	1.802	1.794	1.712	1.592	1.431	1.666	9.4	•
Benzo(b)Fluoranthene	1.437	1.176	1.213	0.967	0.873	1.133	19.5	
Benzo(k)Fluoranthene	1.263	1.277	1.028	0.867	0.775	1.042	21.8	
Benzo(a)Pyrene	1.197	1.144	1.053	0.934	0.902	1.846	12.3	•
Indtno(1,2,3-cd)Pyrcnt	1.172	1.080	1.013	0.943	1.013	1.044	8.3	
Dibcnt(a,h)Anthracene	0.939	0.936	0.882	0.768	0.799	0,865	9.1	
Benzo(g,h,i)Perylene	1.021	1.010	0.883	0.810	0.913	0.927	9.6	
TOTAL METHYLPHENOL	1.464	1.338	1.124	1.024	1.042	1.198	16.2	*
PYRIDINE	1.429	1.395	1.332	1.310	1.280	1.349	4.6	•
2,3,4,6-TETRACHLOROPHENOL	0.265	0.276	0.275	0.273	0.279	0.274	1.9	•

RIC
04/04/91 15:10:00
SAMPLE: APP9 20 1-113-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
RANGE: G 1,2668 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: C840404D #595 SCANS 300 TO 2668
CALI: C840404D #2

52032.



4-DICHLOROBENZENE-D4 IS#1 AT SCAN 532
EHTHALENE-D8 IS#2 AT SCAN. 725
E THENE-D10 IS#3 AT SCAN: 999
THRENE-D10 IS#4 AT SCAN: 1228
SENE-D12 IS#5 AT SCAN: 1646
RYLENE-D12 IS#6 AT SCAN. 1933
FLUOROPHENOL SS#1 AT SCAN 326
ENOL-D6 SS#2 AT SCAN: 383
TROBENZENE SS#3 AT SCAN: 425
FLUOROBIPHENYL SS#4 AT SCAN. 489
IBROMOPHENOL SS#5 AT SCAN: 591
RPHENYL-D14 SS#6 AT SCAN: 393

Quantitation Report File: C840404D

Data: C840404D.TI
04/04/91 15:10:00
Sample: APP9 20 1-113-C SAB
Condr 4501 FSCC CCBA CASE# SDG#
Formula 10UL +10UL INT Instrument: 4501 Weight: 0.000
Submitted by ITAS-PIT Analyst: SAD Acct. No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD.
2	CI40 NAPHTHALENE-D8 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
6	CI75 PERYLENE-D12 INTERNAL STD.
7	APOS METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETWYLHETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 U-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAHINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLQROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
43	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	532	8:52	1	1.000	A BB	15077.	40.000 UG/L	3 23
2	!36	725	12:05	2	1.000	A BB	54531.	40.000 UG/L	3.23
3	164	?99	16.39	3	1.000	A BB	27632.	40.000 UG/L	3.23
4	188	1228	20 28	4	1.000	A BB	38040.	40.000 UG/L	3 23
5	340	1646	27.26	5	1.000	A DB	23852.	40.000 UG/L	3.23
6	264	1332	32:12	6	1.000	A BB	24978.	40.000 UG/L	3.23
7	80	326	5:26	1	0.613	A BB	1709.	20.000 UG/L	1.61
8	42	383	6:23	1	0.720	A BB	5218.	20.000 UG/L	1 61
9	79	425	7:05	1	0.799	A BB	8837.	20.000 UG/L	1 61
10	117	409	8:09	1	0.919	A BB	4419.	20.000 UG/L	1 41
11	41	591	9:51	1	1.111	A QV	5355.	20.000 UG/L	1.61
12	105	594	9:54	1	1.117	A DE	15983.	20.000 UG/L	1.61
13	56	594	9:54	1	1.117	A BB	6663.	20.000 UG/L	1.61
14	108	59a	9:56	1	1.120	A BB	22016.	20.000 UG/L	1.61
13	106	601	10:01	1	1.130	A VB	11949.	20.000 UG/L	1.61
16	42	441	10:41	a	0.884	A BB	0343.	20.000 UG/L	1.41
17	58	736	12:36	2	1.043	A BE	9816.	20.000 UG/L	1.61
18	la2	741	12:21	2	1.022	A BB	7927.	20.000 UG/L	1.61
19	213	748	12:28	2	1.032	A BB	1972.	20.000 UG/L	1.61
20	a4	794	13:14	2	1.095	A DE	7183.	20.000 UG/L	1.61
21	162	822	13:42	2	1.134	A BB	7603.	20.000 UG/L	1.61
22	216	867	14:27	3	0.868	A DE	7292.	20.000 UG/L	1.61
23	162	902	15:02	3	0.903	A BV	7511.	20.000 UG/L	1 41
24	168	963	16:03	3	0.964	A BB	2662.	20.000 UG/L	1.61
25	250	1033	17:13	3	1.034	A BB	5938.	20.000 UG/L	1.61
24	143	1033	17:13	3	1.034	M XX	733.	20.000 UG/L	1.61
27	143	1040	17:20	3	1.041	A BB	2327.	20.000 UG/L	1.61
28	97	1085	18:05	4	0.884	A DE	3997.	20.000 UG/L	1.61
29	152	1057	18:07	4	0.083	A BB	3600.	20.000 UG/L	1.61
30	la9	1100	18:20	4	0.896	A BB	22143.	20.000 UG/L	1.61
31	97	1140	19:00	4	0.928	A BB	3264.	20.000 UG/L	1.61
32	75	1145	19:05	4	0.932	A BV	3519.	20.000 UG/L	1.61
33	108	1152	19:12	4	0.938	A BB	7609.	20.000 UG/L	1.61
34	75	1153	19:13	4	0.939	A VB	14469.	20.000 UG/L	1.61
35	43	1152	19:12	4	0.930	A BE	10373.	20.000 UG/L	1.61
36	a7	1179	19:39	4	0.960	A BB	6360.	20.000 UG/L	1.61
37	169	1209	20:09	4	0.985	A BB	343.	20.000 UG/L	1.61
36	173	1213	20:13	4	0.988	A BB	5318.	20.000 UG/L	1.61
39	237	1221	20:21	4	0.994	A BE	1674.	20.000 UG/L	1.61
40	88	1234	20:34	4	1.005	M XX	13027.	20.000 UG/L	1.61
41	109	1292	21:32	4	1.052	A BB	4270.	20.000 UG/L	1.61
42	190	1334	22:34	4	1.103	A BB	778.	20.000 UG/L	1.61
43	97	1354	22:34	4	1.103	A BB	3494.	20.000 UG/L	1.61
44	66	1362	22:42	4	1.109	A DE	3947..	20.000 UG/L	1.61
43	58	1372	22:52	4	1.117	A BB	11840.	20.000 UG/L	1.61
46	193	1400	23:20	4	1.140	A BB	2970.	20.000 UG/L	1.61
47	185	1477	24-37	3	0.097	A BB	1398.	20.000 UG/L	1.61
48	79	1490	24:50	5	0.903	A BB	5089.	20.000 UG/L	1.61
49	120	1503	25:03	5	0.913	A BB	7302.	20.000 UG/L	1.61
50	139	1511	25:11	3	0.918	A BB	7183.	20.000 UG/L	1.61

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:56	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:07	1.00	1.000	1.00	40 00	40.00	1.000	1.000	1.00
3	16.40	1 00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	20:29	1 00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27 26	1 00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	32.12	1 00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5 37	0 97	0.629	0.97	20.00	20.00	0.227	0.227	1 00
a	6.32	0 98	0.731	0.98	20.00	20.00	0.692	0.692	1.00
9	7:13	0.98	0.808	0.99	20 00	20.00	1.175	1.175	1.00
10	a:15	0.99	0.924	1.00	20.00	20.00	0.586	0.586	1.00
11	9:55	0.99	1.110	1.00	20.00	20.00	0.710	0.710	1.00
12	9:58	0.99	1.116	1.00	20.00	20.00	2.120	2.120	1.00
13	9:58	0.99	1.116	1.00	20.00	20.00	0.884	0.884	1.00
14	10:00	0.99	1.119	1.00	20.00	20.00	2.920	2.920	1.GO
13	10:05	0.99	1.129	1.00	20.00	20.00	1.585	1.585	1.00
16	10:44	1.00	0.886	1.00	20.00	20.00	0.306	0.306	1.00
17	12:49	0.98	1.058	0.99	20.00	20.00	0.360	0.360	1.00
18	12:22	1.00	1.021	1.00	20.00	20.00	0.291	0.291	1.00
19	12.29	1.00	1.030	1.00	20.00	20.00	0.072	0.072	1.00
20	13:15	1.00	1.094	1.00	20.00	20.00	0.263	0.263	1.00
21	13:44	1.00	1.133	1.00	20.00	20.00	0.282	0.282	1.00
22	14:28	1.00	0.868	1.00	20.00	20.00	0.527	0.527	1.00
23	15:03	1.00	0.903	1.00	20.00	20.00	0.543	0.343	1.00
24	16:03	1.00	0.963	1.00	20.00	20.00	0.193	0.193	1.00
25	17:14	1.00	1.034	1.00	20.00	20.00	0.429	0.429	1.00
26	17:14	1.00	1.034	1.00	20.00	20.00	0.055	0.055	1.00
27	17.20	1 00	1.040	1.00	20.00	20.00	0.168	0.168	1.00
28	18:05	1.00	0.883	1.00	20.00	20.00	0.210	0.210	1.00
29	18:08	1 00	0.885	1.00	20.00	20.00	0.194	0.194	1.00
30	18:21	1.00	0.696	1.00	20.00	20.00	1.164	1.164	1.00
31	19:01	1.00	0.928	1.00	20.00	20.00	0.172	0.172	1.00
32	19:06	1.00	0.932	1.00	20.00	20.00	0.185	0.185	1.00
33	19:13	1.00	0.938	1.00	20.00	20.00	0.400	0.400	1.00
34	19:14	1.00	0.939	1.00	20.00	20.00	0.761	0.761	1.00
3s	19:13	1.00	0.938	1.00	20.00	20.00	0.343	0.343	1.00
36	19:40	1.00	0.960	1.00	20.00	20.00	0.334	0.334	1.00
37	20:09	1.00	0 984	1.00	20.00	20.00	0.018	0.018	1.00
38	20:14	1.00	0.988	1.00	20.00	20.00	0.280	0.280	1.00
39	20:21	1.00	0.993	1.00	20.00	20.00	0.088	0.088	1.00
40	20:35	1.00	1.003	1.00	20.00	20.00	0.685	0.685	1.00
41	21:33	1.00	1.052	1.00	20.00	20.00	0.223	0.225	1.00
42	22:35	1.00	1.103	1.00	20.00	20.00	0.041	0.041	1.00
43	22:35	1.00	1.103	1.00	20.00	20.00	0.184	0.184	1.00
44	22:42	1.00	1.108	1.00	20.00	20.00	0.208	0.208	1.00
43	22:52	1.00	1.116	1.00	20.00	20.00	0.623	0.623	1.00
46	23:21	1.00	1.140	1.00	20.00	20.00	0.156	0.156	1.00
47	24:37	1.00	0.897	1.00	20.00	20.00	0.108	0.108	1.00
48	24:51	1.00	0.906	1.00	20.00	20.00	0.394	0.394	1.00
49	25:03	1.00	0.913	1.00	20.00	20.00	0.580	0.580	1.00
S0	25:11	1.00	0.918	1.00	20.00	20.00	0.336	0.336	1.00

Quantitation Report File: C840404D

Data: C840404D.TI
04/04/91 15:10.00
Sample: APP9 20 1-113-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4901 Weight: 0.000
Submitted by ITAS-PIT Analyst: SAB Acct. No.:

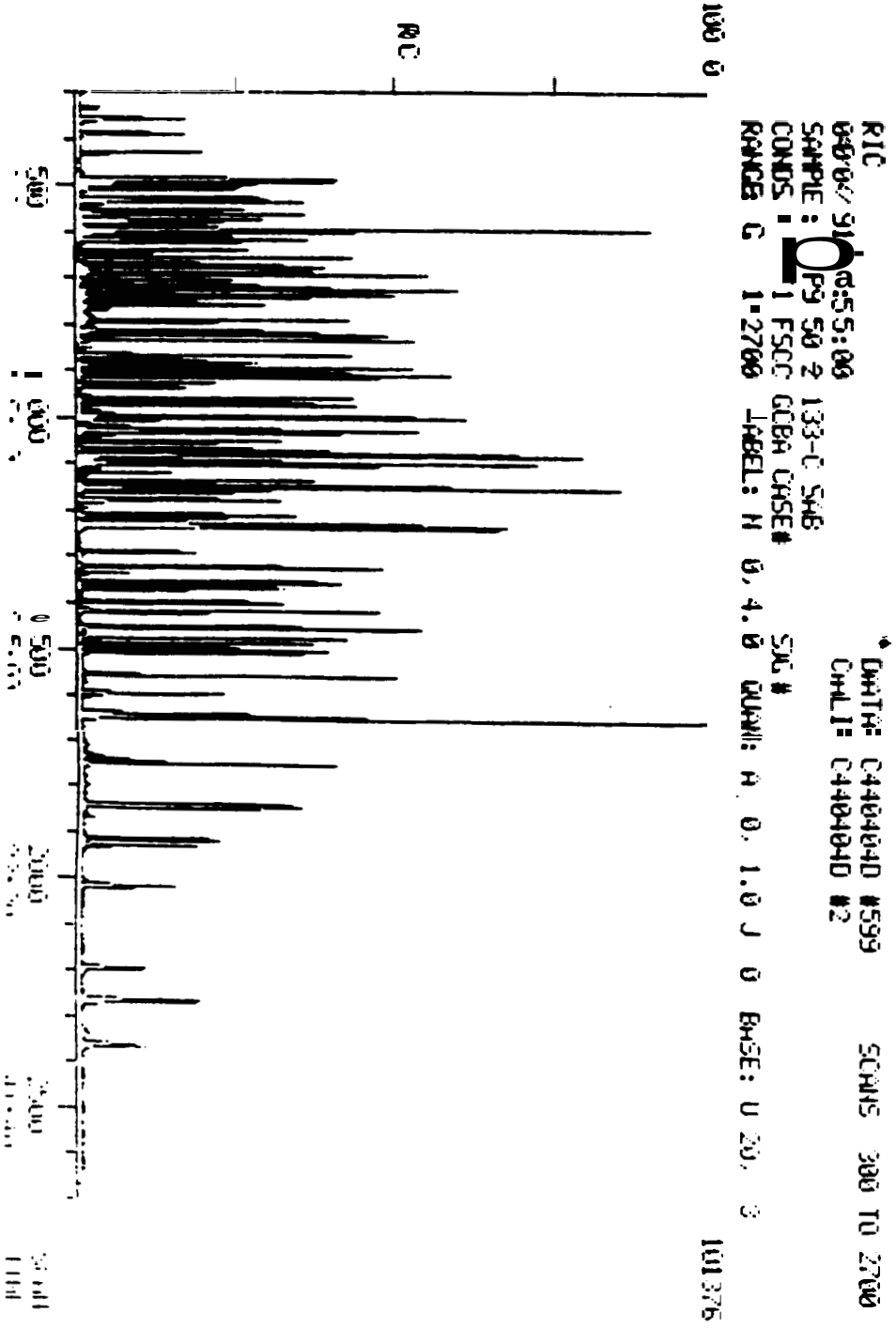
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Rcsp. fac. from Library Entry

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	212	1554	25:54	5	0.944	A BB	4214.	20.000 UG/L	1.61
92	NOT FOUND								
53	181	1596	26:36	5	0.970	A BB	6455.	20.000 UG/L	1.61
34	256	1644	30:44	6	0.954	A BB	6934.	20.000 UG/L	1.61
55	268	2019	33:39	6	1.045	A BB	6688.	20.000 UG/L	1.61
56	211	1237	20:37	4	1.007	a 0B	7198.	20.000 UG/L	1.41
57	158	936	15:36	3	0.937	a BB	3008.	20.000 UG/L	1.41
58	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	25:54	1 00	0.944	1.00	20.00	20.00	0.326	0.326	1.00
52	26:03		0.950						
53	26:3a	1.00	0.970	1.00	20.00	20.00	0.499	0.499	1.00
54	30:44	1.00	0.954	1.00	20.00	20.00	0.333	0.555	1.00
55	33:38	1.00	1.043	1.00	20.00	20.00	0.536	0.336	1.00
56	20:38	1.00	1.007	1.00	20.00	20.00	0.378	0.378	1.00
57	13:37	1.00	0.937	1.00	20.00	20.00	0.218	0.218	1.00
50	31:24		0.976						

4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	536
APHTHALENE-D8	IS#2	AT	SCAN:	727
CENAPTHENE-D10	IS#3	AT	SCAN:	1000
HENANTHRENE-D10	IS#4	AT	SCAN:	1229
HRYSENE-D12	IS#5	AT	SCAN:	1646
ERYLENE-D12	IS#6	AT	SCAN:	1932
-FLUOROPHENOL	SS#1	AT	SCAN:	337
HENOL-D6	SS#2	AT	SCAN:	392
ITRODENZENE	SS#3	AT	SCAN:	433
-FLUOROBIPHENYL	SS#4	AT	SCAN:	495
RIBROMOPHENOL	SS#5	AT	SCAN:	393
ERPHENYL-D14	SS#6	AT	SCAN:	599



Quantitation Report File: C440404D

Data: C440404D.TI
04/04/91 10:55:00
Sample: APP9 50 2-133-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL +10UL INT Instrument: 4501 Weight: 0.000
Submitted by ITAS-PIT Analyst: SAB Acct. No..

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD.
2	CI40 NAPHTHALENE-D8 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
6	CI75 PERYLENE-D12 INTERNAL STD
7	AP05 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
23	AP24 PENTACHLUROEENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
30	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
43	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	[illegible]	Elan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	536	8 56	1	1 C00	4 BB	12191	40. 000 UG/L	1 46
2	136	727	12 07	2	1 000	a 3B	46041	40.000 UG/L	1.44
3	164	1000	16 40	3	1 000	A BB	24281	40. 000 UG/L	1.46
4	188	1229	20 29	4	1 000	A 0B	35899.	40. 000 UG/L	1 44
5	240	1646	27 sa	5	1.000	A BB	26409	40. 000 UG/L	1 45
6	264	1332	32:12	6	1.000	A BB	24899.	40. 000 UG/L	1.45
7	80	337	5:37	1	0.029	A BB	4037.	50. 000 UG/L	1 82
a	42	392	6.32	1	0.731	A. BB	11567.	50.000 UG/L	1.92
9	79	433	7 13	1	0.808	A BB	19043.	50. 000 UG/L	1.82
10	117	495	8 15	1	0. 924	A B0	8679.	50.000 UG/L	1.82
11	41	595	V 55	1	1. 110	A BV	12808.	50. 000 UG/L	1.82
12	105	598	9 58	1	1. 116	A BB	31397.	50.000 UG/L	1.82
13	56	598	9 sa	1	1. 116	A BB	14749.	50.000 UG/L	1. 82
14	108	600	10 00	1	1 119	A BB	40781.	30.000 UG/L	1.82
15	106	605	10:05	1	1. 129	A VB	32315.	50.000 UG/L	1. 82
16	42	a44	10:44	2	0. 986	A BB	18888.	50.000 UG/L	1. 82
17	sa	769	12 49	a	1.058	A BB	15983.	50.000 UG/L	1.82
10	162	742	12 22	2	1. 021	A DV	16340.	50.000 UG/L	1.82
19	213	749	12:29	2	1.030	A DE	4356.	50.000 UG/L	1. 82
20	84	795	13 15	2	1.094	A BB	15934.	30.000 UG/L	1.82
21	162	624	13:44	2	1.133	4 0B	16114.	30.000 UG/L	1. 82
22	216	868	14:28	3	0. 868	A BB	14616.	50.000 UG/L	1. 82
23	162	903	15 03	3	0.903	A OV	16393.	50.000 UG/L	1.82
24	168	963	14.03	3	0. 963	A BB	6300.	50.000 UG/L	1. 82
25	250	1034	17 14	3	1. 034	A BB	12370.	50.000 UG/L	1. 82
26	143	1034	17: 14	3	1.034	M XX	1883.	50.000 UG/L	1.82
27	143	1040	17.20	3	1.040	A BB	834.	50.000 UG/L	1. 82
28	37	1085	18: 03	4	0. 883	A BB	9279.	50.000 UG/L	1. 82
29	152	1088	id:00	4	0.883	A BV	8503.	50.000 UG/L	1. 82
30	169	1101	18: 21	4	0. 896	A 0B	44333.	30.000 UG/L	1.82
31	37	1141	19 01	4	0. 928	4 BB	7543.	30.000 UG/L	1. 82
32	75	1146	19:06	4	0. 932	A BV	9132.	50.000 UG/L	1.82
33	108	1153	19:13	4	0.930	A BE	19174.	30.000 UG/L	1. 82
34	75	1154	19: 14	4	0. 939	A VB	33330.	50. 000 UG/L	1. 82
35	43	1153	19:13	4	0. 938	A OV	24771.	30.000 UG/L	1. 82
36	37	1180	19:40	4	0. 960	A EB	14654.	30.000 UG/L	1.82
37	169	1209	20:09	4	0.904	A BB	1004.	30.000 UG/L	1.82
38	173	1214	20:14	4	0. 988	A DB	12111.	50. 000 UG/L	1. 82
33	237	1221	20:21	4	0. 993	A 0B	3350.	50.000 UG/L	1. 82
40	88	1235	20:33	4	1.005	A BB	33013.	30.000 UG/L	1.82
41	109	1293	21: 33	4	1.032	A BV	10782.	50. 000 UG/L	1. 82
42	190	1333	22: 35	4	1. 103	A BB	2948.	50. 000 UG/L	1. 82
43	97	1355	22: 33	4	1. 103	A BB	8923.	30.000 UG/L	1. 82
44	66	1362	22: 42	4	1. 108	A 0B	9102.	30.000 UG/L	1.82
45	58	1372	22:32	4	1. 116	A BB	28175.	50.000 UG/L	1.[illegible]
46	193	1401	23:21	4	1. 140	A 0B	6609.	50.000 UG/L	1. 82
47	185	1477	24:37	5	0.997	A BB	3509.	50.000 UG/L	1. 32
48	79	1491	24. 51	5	0. 906	A BB	11621.	50.000 UG/L	1. 82
49	120	1503	25: 03	5	0.913	A BB	18440.	50.000 UG/L	1. 82
50	134	1511	25: 11	5	0. 918	A BB	17326.	50.000 UG/L	1. 82

NO	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R Fac	R.Fac(L)	Ratio
1	8:36	1.00	1.000	1.00	40 00	40.00	1.000	1.000	1 00
2	12:07	1.00	1.000	1.00	40 00	40.00	1.000	1.000	1 00
3	16 40	1.00	1.000	1.00	40 00	40 00	1.000	1.000	1 00
4	20 29	1 00	1.000	1.00	40 03	40.00	1.000	1.000	1 00
5	27 26	1 00	1 000	1 00	40 00	40.00	1.000	1.000	1 00
6	32.12	1 00	1.000	1 00	40.00	40.00	1.000	1.000	1 00
7	5 37	1 00	0 629	1 00	50 00	50.00	0.265	0.265	1 00
8	4.32	1 00	0.731	1 00	S0.00	S0.00	0.759	0.759	1 00
3	7:13	1.00	0.808	1.00	S0.00	S0.00	1.250	1.250	1 00
10	8:15	1.00	0.924	1.00	30.00	S0.00	0.570	0.570	1 CO
11	3:55	1.00	1.110	1.00	90.00	50.00	0.840	0.840	1 00
12	9:38	1.00	1.116	1.00	30.00	50.00	2.060	2.060	1 00
13	9:58	1.00	1.116	1.00	S0.00	50.00	0.968	0.968	1 00
14	10:00	1.00	1.119	1.00	S0.00	S0.00	2.676	2.676	1 00
15	10:05	1.00	1.129	1.00	50.00	50.00	2.121	2.121	1 00
16	10:44	1.00	0.886	1.00	50.00	S0.00	0.328	0.328	1.00
17	12:49	1.00	1.058	1.00	30.00	S0.00	0.278	0.278	1.00
18	12:22	1.00	1.021	1.00	50.00	50.00	0.284	0.204	1 00
19	12:29	1.G0	1.030	1.00	S0.00	S0.00	0.076	0.076	1.00
20	13:15	1.00	1.094	1.00	50.00	S0.00	0.277	0.277	1.00
21	13:44	1.(30	1.133	1.00	30.00	S0.00	0.280	0.280	1.00
22	14:28	1.G0	0.868	1.00	S0.00	S0.00	0.482	0.482	1.00
23	15:03	1.00	0.903	1.00	S0.00	S0.00	0.540	0.540	1.00
24	16:03	1.(30	0.963	1.00	50.00	S0.00	0.214	0.214	1.00
25	17:14	1.00	1.034	1.00	S0.00	S0.00	0.408	0.409	1.00
26	17:14	1.00	1.034	1.00	50.00	S0.00	0.062	0.062	1.00
27	17:20	1.00	1.040	1.00	S0.00	50.00	0.028	0.028	1.00
28	18:0S	1.00	0.883	1.00	S0.00	S0.00	0.207	0.207	1 00
29	18:08	1.00	0.885	1.00	50.00	50.00	0.199	0.189	1.00
30	18:21	1.00	0.896	1.00	S0.00	S0.00	0.988	0.988	1.00
31	13:01	1.00	0.928	1.00	S0.00	S0.00	0.168	0.168	1.00
32	19:06	1.G0	0.932	1.00	S0.00	S0.00	0.204	0.204	1.00
33	19:13	1.00	0.938	1.00	S0.00	50.00	0.427	0.427	1.00
34	19:14	1.00	0.939	1.00	30.00	50.00	0.743	0.743	1.00
35	19:13	1.00	0.939	1.00	50.00	50.00	0.552	0.552	1.00
36	19:40	1.00	0.960	1.00	S0.00	S0.00	0.327	0.327	1.00
37	20:09	1.30	0.984	1.00	30.00	50.00	0.022	0.022	1.00
38	20:14	1.00	0.908	1.00	S0.00	50.00	0.270	0.270	1.00
39	20:21	1.00	0.993	1.00	50.00	S0.00	0.079	0.079	1.00
40	20:35	1.00	1.005	1.00	S0.00	50.00	0.736	0.736	1.00
41	21:33	1.00	1.032	1.00	50.00	30.00	0.240	0.240	1.00
42	22:35	1.00	1.103	1.00	30.00	S0.00	0.066	0.046	1.00
43	22:35	1.00	1.103	1.00	S0.00	S0.00	0.199	0.199	1.00
44	22:42	1.00	1.108	1.00	S0.00	30.00	0.203	0.203	1.00
45	22:52	1.00	1.116	1.00	S0.00	50.00	0.628	0.628	1.00
46	23:21	1.00	1.140	1.00	50.00	50.00	0.147	0.147	1.00
47	24:37	1.G0	0.897	1.00	S0.00	50.00	0.106	0.106	1.00
48	24:51	1.00	0.904	1.00	50.00	S0.00	0.352	0.352	1.00
49	25:03	1.00	0.913	1.00	S0.00	S0.00	0.559	0.559	1.00
30	25:11	1.00	0.918	1.00	S0.00	S0.00	0.523	0.525	1.00

Quantitation Report File: C440404D

Data: C440404D.TI
14/04/91 10:33:00
Sample. APP9 50 2-133-C SAB
Conds 4501 FSCC CCDA CASE# SDCW
Formula. 10UL +10UL INT Instrument: 4301 Weight: 0.000
Submitted by ITAS-PIT Analyst. SAD Acct. No.:

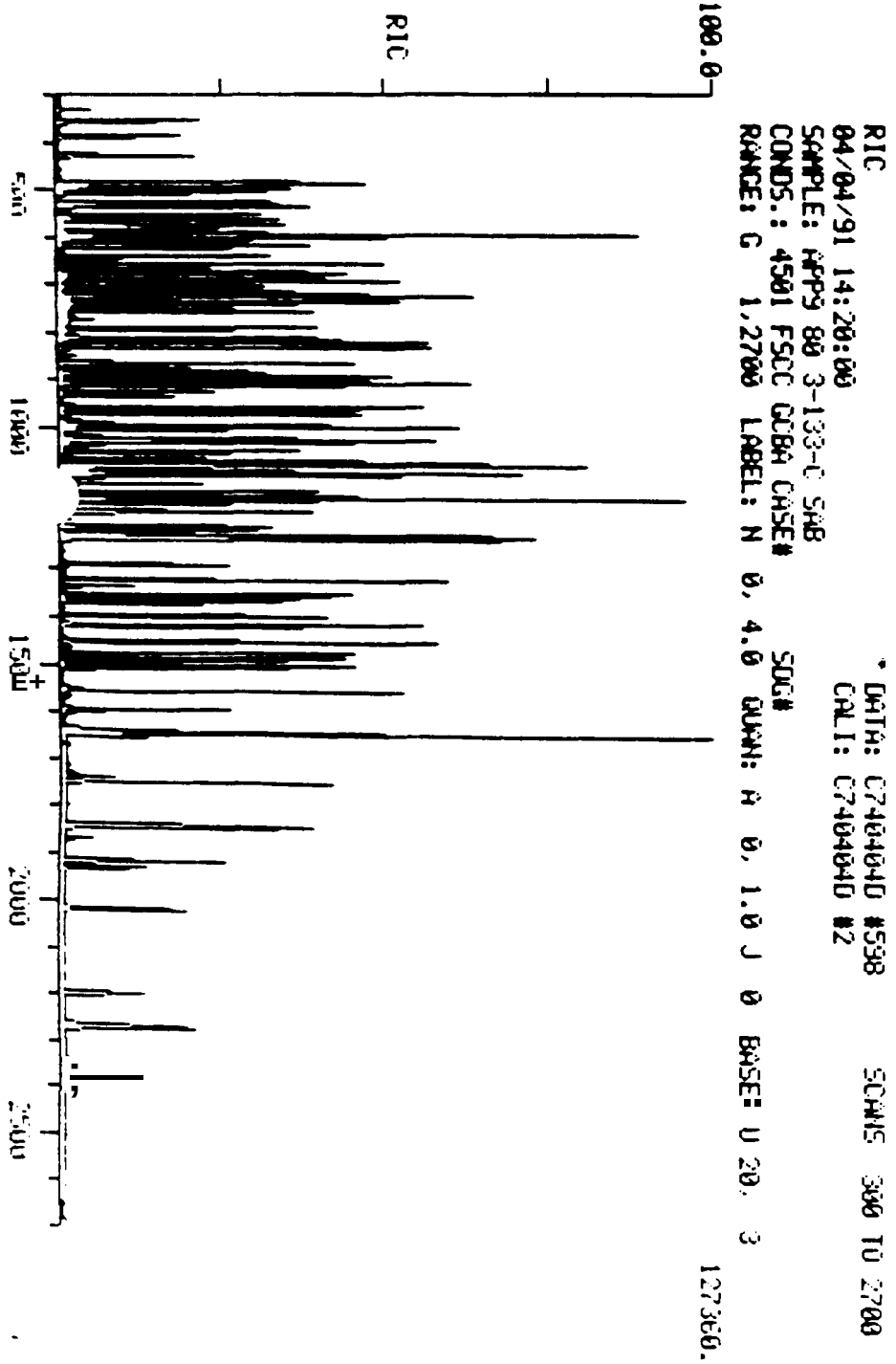
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
53	AP54 3-METHYLCHOLANTHRENE
36	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
sa	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
31	212	1554	25:54	S	0.944	A BB	3754.	SO.000 UG/L	1.82
52	NOT FOUND								
53	181	1596	26:36	5	0.970	A BB	17390.	SO.000 UG/L	1.82
54	256	1844	30:44	6	0.954	A BB	16016.	SO.000 UG/L	1.82
55	268	2018	33:38	6	1.043	A 0B	17883.	SO.000 UG/L	1.82
56	211	1238	20:38	4	1.007	A BE	13904.	SO.000 UG/L	1.82
57	158	937	15:37	3	0.937	A BB	7363.	SO.000 UG/L	1.82
58	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	25:54	1.00	0.944	1.00	30.00	SO.00	0.114	0.114	1.00
52	26.03		0.930						
53	26:36	1.00	0.970	1.00	SO.00	SO.00	0.333	0.333	1.00
54	30:44	1.00	0.934	1.00	SO.00	50.00	0.515	0.515	1.00
55	33:38	1.00	1.045	1.00	SO.00	50.00	0.575	0.575	1.00
36	20:38	1.00	1.007	1.00	50.00	SO.00	0.334	0.334	1.00
57	15:37	1.00	0.937	1.00	50.00	50.00	0.243	0.243	1.00
38	31:24		0.976						

4-DICHLOROBENZENE-D4	IS#1	AT SCAN:	535
APHTHALENE-D8	IS#2	AT SCAN.	727
ACENAPTHENE-D10	IS#3	AT SCAN:	1000
PHENANTHRENE-D10	IS#4	AT SCAN:	1229
CHRYSENE-D12	IS#3	AT SCAN:	1647
PERYLENE-D12	IS#6	AT SCAN:	1934
2-FLUOROPHENOL	SS#1	AT SCAN:	335
PHENOL-D6	SS#2	AT SCAN:	390
NITROBENZENE	SS#3	AT SCAN:	431
2-FLUOROBIPHENYL	SS04	AT SCAN:	494
2,4,6-TRIBROMOPHENOL	SS#5	AT SCAN:	595
TERPHENYL-D14	SS#6	AT SCAN:	398



Quantitation Report File: C740404D

Data: C740404D.TI
04/04/91 14:20:00
Sample. APP9 90 3-133-C SAD
Conds 4501 FSCC GCBA CASE# SDGY
Formula 10L +10UL INT Instrument: 4501 Weight: 0.000
Submitted by ITAS-PIT Analyst: SAB Acct. No.'

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
4	CI75 PERYLENE-D12 INTERNAL STD.
7	AP05 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOHORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAHINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 XSCSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHCOROBENZENE
2a	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP33 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	AP44 METHAPVRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	535	8:55	1	1.000	A BB	10917	40.000 UG/L	0.94
2	136	727	12:07	2	1.000	A BB	43605.	40.000 UG/L	0.94
3	164	1000	16:40	3	1.000	A BB	21922.	40.000 UG/L	0.94
4	188	1229	20:29	4	1.000	A BB	34327.	40.000 UG/L	0.94
5	240	1647	27:27	5	1.000	A BB	24820.	40.000 UG/L	0.94
6	264	1934	32:14	6	1.000	A BB	22517.	40.000 UG/L	0.94
7	80	335	5:35	1	0.626	A BB	5956.	80.000 UG/L	1.89
8	42	391	6:31	1	0.731	A BB	16097.	80.000 UG/L	1.89
9	79	431	7:11	1	0.806	A BB	26444.	80.000 UG/L	1.89
10	117	494	8:14	1	0.923	A BB	11667.	80.000 UG/L	1.89
11	41	595	9:55	1	1.112	A BV	17384.	80.000 UG/L	1.89
12	105	598	9:58	1	1.118	A BB	40173.	80.000 UG/L	1.89
13	56	598	9:58	1	1.118	M XX	18268.	80.000 UG/L	1.89
14	108	599	9:59	1	1.120	A BB	53199.	80.000 UG/L	1.89
15	106	605	10:05	1	1.131	A VB	45249.	80.000 UG/L	1.89
16	42	644	10:44	2	0.886	A BB	25819.	80.000 UG/L	1.89
17	58	760	12:40	2	1.045	M XX	9653.	80.000 UG/L	1.89
18	162	742	12:22	2	1.021	A BB	23153.	80.000 UG/L	1.89
19	213	750	12:30	2	1.032	A BB	6240.	80.000 UG/L	1.89
20	84	796	13:16	2	1.095	A BC	21481.	80.000 UG/L	1.89
21	162	824	13:44	2	1.133	A BB	22300.	80.000 UG/L	1.89
22	216	868	14:28	3	0.868	A BB	18599.	80.000 UG/L	1.89
23	162	903	15:03	3	0.903	A BV	22499.	80.000 UG/L	1.89
24	168	963	16:03	3	0.963	A BB	9573.	80.000 UG/L	1.89
25	250	1034	17:14	3	1.034	A BB	15818.	80.000 UG/L	1.89
26	143	1040	17:20	3	1.040	A VV	3815.	80.000 UG/L	1.89
27	143	1049	17:29	3	1.049	A VV	1136.	80.000 UG/L	1.89
28	97	1086	18:06	4	0.884	A BB	12861.	80.000 UG/L	1.89
29	152	1088	18:08	4	0.885	A BV	13487.	80.000 UG/L	1.89
30	169	1102	18:22	4	0.897	A BB	59234.	80.000 UG/L	1.89
31	97	1141	19:01	4	0.928	A BB	10253.	80.000 UG/L	1.89
32	75	1147	19:07	4	0.933	A BV	14406.	80.000 UG/L	1.89
33	108	1154	19:14	4	0.939	A BV	26271.	80.000 UG/L	1.89
34	75	1154	19:14	4	0.939	A VB	44333.	80.000 UG/L	1.89
35	43	1153	19:13	4	0.938	A VV	33140.	80.000 UG/L	1.89
36	87	1180	19:40	4	0.960	A VB	18374.	80.000 UG/L	1.89
37	169	1210	20:10	4	0.985	A BB	1396.	80.000 UG/L	1.89
38	173	1214	20:14	4	0.988	A VB	17396.	80.000 UG/L	1.89
39	237	1222	20:22	4	0.994	A BB	5188.	80.000 UG/L	1.89
40	88	1235	20:35	4	1.005	M XX	40811.	80.000 UG/L	1.89
41	109	1293	21:33	4	1.052	A BB	16030.	80.000 UG/L	1.89
42	190	1355	22:35	4	1.103	A BB	4454.	80.000 UG/L	1.89
43	97	1355	22:35	4	1.103	A BB	12716.	80.000 UG/L	1.89
44	66	1363	22:43	4	1.109	A BB	12725.	80.000 UG/L	1.89
45	58	1373	22:53	4	1.117	A VB	33142.	80.000 UG/L	1.89
46	193	1401	23:21	4	1.140	A BB	9065.	80.000 UG/L	1.89
47	185	1478	24:38	5	0.897	A BB	5023.	80.000 UG/L	1.89
48	79	1491	24:51	5	0.905	A BB	16906.	80.000 UG/L	1.89
49	120	1504	25:04	5	0.913	A BB	25917.	80.000 UG/L	1.89
50	139	1512	25:12	5	0.918	A BB	24648.	80.000 UG/L	1.89

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:37	0.99	0.629	1.00	90.00	90.00	0.273	0.273	1.00
8	6:32	1.00	0.731	1.00	80.00	80.00	0.737	0.737	1.00
9	7:13	1.00	0.808	1.00	80.00	90.00	1.211	1.211	1.00
10	8:15	1.00	0.924	1.00	80.00	80.00	0.534	0.534	1.00
11	9:55	1.00	1.110	1.00	80.00	80.00	0.796	0.796	1.00
12	9:58	1.00	1.116	1.00	80.00	80.00	1.840	1.840	1.00
13	9:58	1.00	1.116	1.00	80.00	80.00	0.037	0.037	1.03
14	10:00	1.00	1.119	1.00	80.00	80.00	2.437	2.437	1.00
14	10:05	1.00	1.129	1.00	80.00	80.00	2.072	2.072	1.00
16	10:44	1.00	0.686	1.00	80.00	80.00	0.296	0.296	1.00
17	12:49	0.99	1.058	0.99	80.00	80.00	0.111	0.111	1.00
18	12:22	1.00	1.021	1.00	80.00	80.00	0.265	0.263	1.00
19	12:29	1.00	1.030	1.00	80.00	80.00	0.072	0.072	1.00
20	13:15	1.00	1.094	1.00	80.00	80.00	0.246	0.246	1.00
21	13:44	1.30	1.133	1.00	80.00	80.00	0.256	0.256	1.00
22	14:28	1.00	0.868	1.00	80.00	80.00	0.424	0.424	1.00
23	15:03	1.00	0.903	1.00	80.00	80.00	0.313	0.313	1.00
24	16:03	1.00	0.963	1.00	80.00	80.00	0.210	0.218	1.00
25	17:14	1.00	1.034	1.00	80.00	80.00	0.361	0.341	1.00
26	17:14	1.01	1.034	1.01	80.00	80.00	0.087	0.087	1.00
27	17:20	1.01	1.040	1.01	80.00	80.00	0.026	0.026	1.00
28	18:05	1.00	0.883	1.00	80.00	80.00	0.187	0.187	1.00
29	18:08	1.00	0.885	1.00	80.00	80.00	0.196	0.196	1.00
30	18:21	1.00	0.696	1.00	80.00	80.00	0.863	0.863	1.00
31	19:01	1.00	0.928	1.00	80.00	80.00	0.149	0.149	1.00
32	19:06	1.00	0.932	1.00	80.00	80.00	0.210	0.210	1.00
33	19:13	1.00	0.938	1.00	80.00	80.00	0.383	0.383	1.00
34	19:14	1.00	0.939	1.00	80.00	80.00	0.646	0.646	1.00
35	19:13	1.00	0.938	1.00	80.00	80.00	0.483	0.483	1.00
36	19:40	1.00	0.960	1.00	80.00	80.00	0.268	0.268	1.00
37	20:09	1.00	0.984	1.00	80.00	80.00	0.020	0.020	1.00
38	20:14	1.00	0.988	1.00	80.00	80.00	0.233	0.253	1.00
39	20:21	1.00	0.993	1.00	80.00	80.00	0.076	0.076	1.00
40	20:35	1.00	1.005	1.00	80.00	80.00	0.594	0.594	1.00
41	21:33	1.00	1.032	1.00	80.00	80.00	0.233	0.233	1.00
42	22:35	1.00	1.103	1.00	80.00	80.00	0.065	0.063	1.00
43	22:35	1.00	1.103	1.00	80.00	80.00	0.185	0.185	1.00
44	22:42	1.00	1.106	1.00	80.00	80.00	0.185	0.183	1.00
45	22:52	1.00	1.116	1.00	80.00	80.00	0.483	0.483	1.00
46	23:21	1.00	1.140	1.00	80.00	80.00	0.132	0.132	1.00
47	24:37	1.30	0.897	1.00	80.00	80.00	0.101	0.101	1.00
48	24:51	1.00	0.906	1.00	80.00	80.00	0.341	0.341	1.00
49	25:03	1.00	0.913	1.00	80.00	80.00	0.522	0.522	1.00
50	25:11	1.00	0.918	1.00	80.00	80.00	0.497	0.497	1.00

Quantitation Report File: C740404D

Date C740404D.TI
04/04/91 14.20 00
Sample APP9 80 3-133-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1.0L +10UL INT Instrument. 4501 Weight. 0 000
Submitted by ITAS-PIT Analyst SAB Acct No

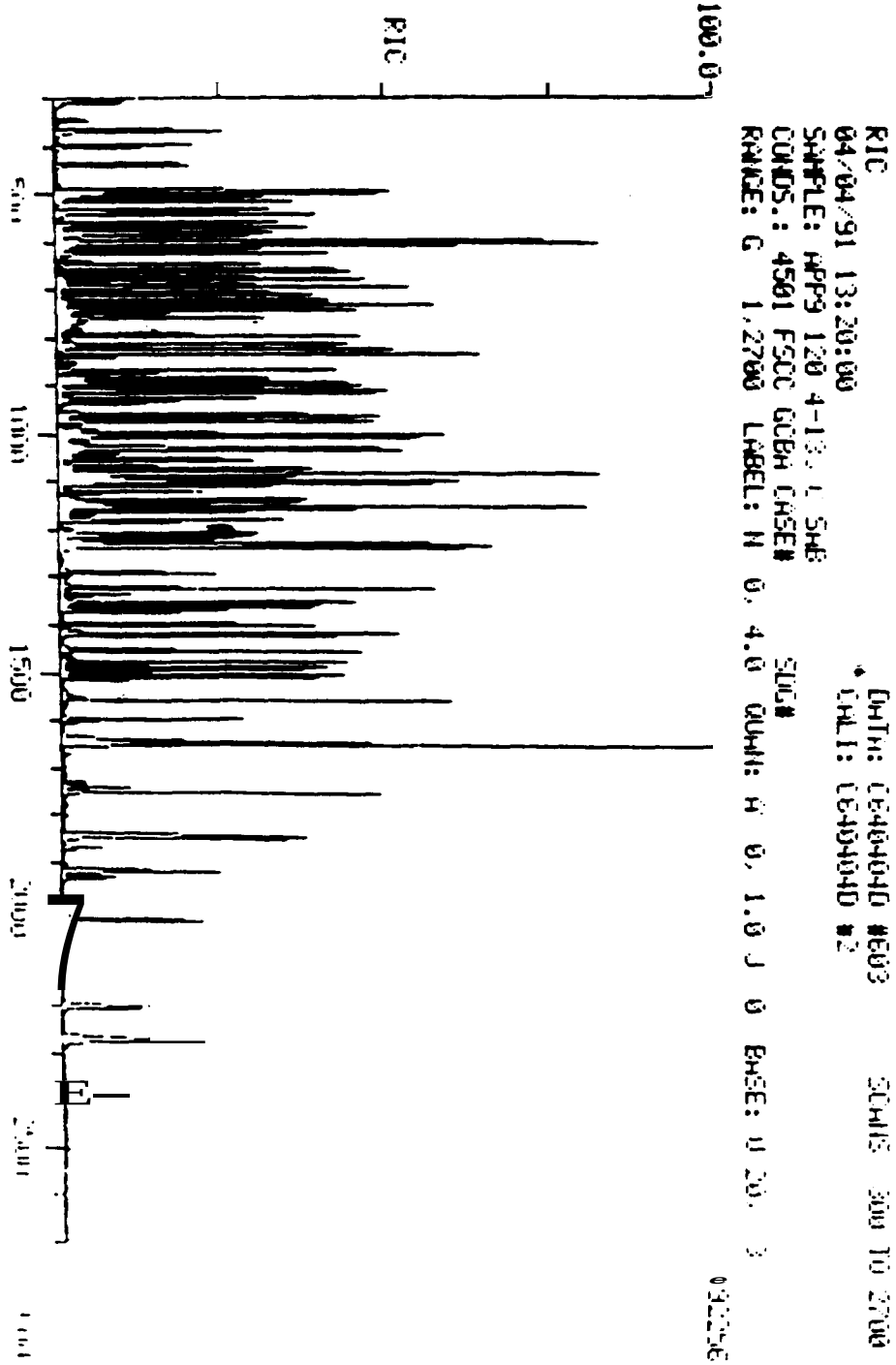
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from Library Entry

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	212	1554	25 54	5	0 944	A DB	4444.	80.000 UG/L	1.89
52	NOT FOUND								
53	181	1597	26 37	5	0.970	A BB	23765.	80.000 UG/L	1.89
54	256	1846	30 46	6	0.934	A BB	20646.	80.000 UG/L	1 89
53	268	2021	33:41	6	1.043	A BB	24811.	80.000 UG/L	1 a9
56	211	1238	20 30	4	1.007	A BB	23089.	80.000UG/L	1 89
57	158	337	15 37	3	0.937	A BB	10023.	80.000UG/L	1 89
58	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	25 54	1.30	0 944	1.00	80.00	B0.00	0.090	0.090	1.00
52	26.03		0.950						
53	24.36	1.00	0.970	1.00	80.00	80.00	0.479	0.479	1.00
54	30.44	1.00	0 954	1.00	80.00	80.00	0.438	0.438	1.00
55	33:38	1 00	1.045	1.00	80.00	90.00	0.551	0.551	1.00
56	20:38	1.00	1.307	1.00	00.00	80.00	0.336	0.336	1.00
57	15:37	1 00	0.937	1.00	80.00	80.00	0.229	0.229	1.00
58	31.24		0.376						

4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	541
NAPHTHALENE-D8	IS#2	AT	SCAN:	729
ACENAPTHENE-D10	IS#3	AT	SCAN:	1001
PHENANTHRENE-D10	IS#4	AT	SCAN.	1230
CHRYSENE-D12	IS#5	AT	SCAN.	1647
PERYLENE-D12	IS#6	AT	SCAN.	1933
2-FLUOROPHENOL	SS#1	AT	SCAN:	349
PHENOL-D6	SS#2	AT	SCAN:	401
NITROBENZENE	SS#3	AT	SCAN:	441
2-FLUOROBIPHENYL	SS#4	At	SCAN:	501
2,4,6-TRIBROMOPHENOL	SS#5	AT	SCAN.	600
TERPHENYL-D14	SS#6	AT	SCAN.	403



Quantitation Report File C640404D

Data C640404D.TI
04/04/91 13:20:00
Sample APEP 120 4-133-0 SAB
Comments 4501 4500 SCSA CASE# SDG#
Formula ... FINAL INT Instrument 4501 Weight 0.000
Submitted ... CRAB-PIT Analyst SAB Acct No

AMOUNT=(AREA * REF AMT / REF AREA * RESP FACT)
Resp Fac From Library Entry

No	Name
1	C130 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	C140 NAPHTHALENE-D8 INTERNAL STD
3	C150 ACENAPHTHENE-D10 INTERNAL STD.
4	C160 PHENANTHRENE-D10 INTERNAL STD.
5	C170 CHRYSENE-D12 INTERNAL STD.
6	C175 PERYLENE-D12 INTERNAL STD
7	AP03 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	[illegible]	[illegible]	Time	Ref	RRT	Meth	Area(height)	Amount	%Dev
1	[illegible]	[illegible]	[illegible] 01	1	1.000	A BB	12570	40.000 UG/L	0.54
2	[illegible]	[illegible]	12 09	2	1.000	A BB	49537	40.000 UG/L	0.54
3	134	[illegible]	[illegible] 11	3	1.000	A BB	85289	40.000 UG/L	0.54
4	188	[illegible]	20 31	4	1.000	A BB	40021.	40.000 UG/L	0.54
5	246	1547	27 27	5	1.000	M XX	26641	40.000 UG/L	0.54
6	224	1973	32:13	6	1.000	A BB	26869	40.000 UG/L	0.54
7	30	349	5 49	1	0.845	A BB	10158.	120.000 UG/L	1.92
8	42	401	6 41	1	0.741	A BB	26813.	120.000 UG/L	1.92
9	79	441	7 21	1	0.815	A BB	44182.	120.000 UG/L	1.92
10	117	501	8 21	1	0.926	A BB	19193.	120.000 UG/L	1.92
11	41	600	10 00	1	1.109	A BV	28349.	120.000 UG/L	1.92
12	105	602	10 02	1	1.113	A BB	62531	120.000 UG/L	1.92
13	56	607	10:12	1	1.115	A BB	32881.	120.000 UG/L	1.92
14	108	604	10:04	1	1.116	A BB	77837.	120.000 UG/L	1.92
15	106	609	10 09	1	1.126	A BB	71595	120.000 UG/L	1.92
16	42	648	10 48	2	0.889	A BB	43246.	120.000 UG/L	1.92
17	58	773	12 53	2	1.060	M XX	18238.	120.000 UG/L	1.92
18	162	744	12.24	2	1.021	A BV	36600.	120.000 UG/L	1.92
19	213	751	12.31	2	1.030	A BB	9945.	120.000 UG/L	1.92
20	94	798	13 18	2	1.095	A BB	37018.	120.000 UG/L	1.92
21	162	825	13 45	2	1.132	A BB	35058.	120.000 UG/L	1.92
22	216	867	14.29	3	0.868	A BB	28350.	120.000 UG/L	1.92
23	162	904	13 04	3	0.903	A BV	36165	120.000 UG/L	1.92
24	168	965	16.05	3	0.964	A BB	16552.	120.000 UG/L	1.92
25	250	1035	17:15	3	1.034	A BB	21605.	120.000 UG/L	1.92
26	143	1039	17:19	3	1.038	M XX	18599.	120.000 UG/L	1.92
27	143	1051	17 31	3	1.050	A VB	10668.	120.000 UG/L	1.92
28	47	1087	18.07	4	0.884	A BB	21715.	120.000 UG/L	1.92
29	152	1089	18:09	4	0.885	A BV	22819.	120.000 UG/L	1.92
30	169	1103	18 23	4	0.897	A BB	94662.	120.000 UG/L	1.92
31	97	1142	19 02	4	0.928	A BV	17846.	120.000 UG/L	1.92
32	75	1143	19 03	4	0.929	A BV	6330.	120.000 UG/L	1.92
33	108	1155	19:15	4	0.939	A VB	32226.	120.000 UG/L	1.92
34	75	1155	19:15	4	0.939	A VB	68162.	120.000 UG/L	1.92
35	43	1154	19:14	4	0.938	M XX	51804.	120.000 UG/L	1.92
36	87	1182	19:42	4	0.961	A VB	28989.	120.000 UG/L	1.92
37	169	1210	20:10	4	0.984	A VB	2985.	120.000 UG/L	1.92
38	173	1216	20:16	4	0.989	A BB	29639.	120.000 UG/L	1.92
39	237	1223	20:23	4	0.994	A BB	8666.	120.000 UG/L	1.92
40	88	1235	20:35	4	1.004	A BV	69055.	120.000 UG/L	1.92
41	109	1293	21:33	4	1.051	A BV	25713.	120.000 UG/L	1.92
42	190	1356	22:36	4	1.102	A VB	7140.	120.000 UG/L	1.92
43	97	1356	22:36	4	1.102	A VB	19385.	120.000 UG/L	1.92
44	66	1363	22.43	4	1.108	A VB	21072.	120.000 UG/L	1.92
45	58	1373	22:53	4	1.116	A VB	48966.	120.000 UG/L	1.92
46	193	1401	23:21	4	1.139	A BB	14597.	120.000 UG/L	1.92
47	185	1478	24 38	5	0.897	A VV	8545.	120.000 UG/L	1.92
48	79	1492	24:52	5	0.906	A VV	28279.	120.000 UG/L	1.92
49	120	1504	25:04	5	0.913	A VB	43277.	120.000 UG/L	1.92
50	139	1512	25:12	5	0.918	A BV	39610.	120.000 UG/L	1.92

No	Fac(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R Fac(L)	Ratio
1	8 55	1 01	1 000	1.00	40 00	40 00	1 000	1 000	1 00
2	12 35	1 01	1.000	1.00	40 00	40 00	1 000	1.000	1 00
3	16 38	1 00	1 000	1 00	40 00	40 00	1 000	1 000	1 00
4	20 27	1 00	1 000	1 00	40 00	40 00	1 000	1 000	1 00
5	27 25	00	1 000	1 00	40 00	40 00	1 000	1 300	1 00
6	32 11	00	1 000	1 00	40 00	40 00	1 000	1 000	1 00
7	8 00	[illegible]	1 019	1 04	120 00	120 00	0 267	0 257	1 00
8	8 21	[illegible]	[illegible]	1 02	120 00	120 00	0 705	0 735	1 00
9	9 09	1 03	0.805	1 01	120 00	120 00	1 162	1 162	1 00
10	9 11	1 02	0.921	1.01	120 00	120 00	0.505	0 505	1 00
11	9 36	1 01	1 118	0 99	120.00	120 00	0.746	0.746	1 00
12	9 58	1 01	1 122	0.99	120.00	120 00	1 645	1.445	1 00
13	9 58	1 01	1.122	0 99	120.00	120 00	0.865	0.965	1 00
14	10 30	1 01	1.126	0.99	120.00	120 00	2.048	2.Q48	1 00
15	10:04	1 01	1 133	0 99	120.00	120.00	1.884	1.884	1 00
16	10 44	1 01	0 887	1 00	120.00	120.00	0.289	0.289	1 00
17	12 42	1 01	1.050	1.01	120.00	120 00	0.122	0.122	1.00
18	12 22	1 00	1 022	1 00	120 30	120 00	0.245	0.245	1 00
19	12 28	1 00	1.030	1.00	120 00	120 00	0.067	0.067	1.00
20	13 16	1 00	1.096	1 00	120.00	120.G0	0.248	0.248	1 00
21	13.43	1 00	1 134	1.00	120.00	120.00	0.234	0 234	1.00
22	14 28	1.00	0.868	1 00	120.00	120.30	0.359	0.359	1.00
23	15 03	1 00	0.903	1.00	120.00	120.00	0.459	0.439	1.00
24	16 04	1 00	0 964	1 00	120.00	120.00	0.210	0.210	1.00
25	17 14	1 00	1.034	1 00	120.00	120.00	0.274	0.274	1.00
26	17 20	1.00	1.040	1 00	120 00	120.00	0.236	0.236	1.00
27	17 31	1 00	1 051	1.00	120.00	120.00	0. 135	0. 135	1 30
28	18 06	1 00	0.884	1 00	120.00	120.00	0. 181	0.181	1 00
29	18 08	1.00	0.885	1.00	120.90	120.00	0. 190	0. 190	1 00
30	18 22	1 00	0.897	1.00	120.00	120.00	0.788	0.788	1.00
31	18 31	1 00	0.928	1.00	120.00	120 00	0. 149	0. 149	1.00
32	18 56	1.01	0.924	1.01	120.00	120.00	0.053	0.053	1 00
33	19 14	1 00	0.939	1.00	120.00	120.00	0.260	0.268	1.00
34	19 15	1.00	0.940	1 00	120.00	120.00	0.568	0.568	1.00
35	19 14	1.00	0.939	1.00	120.00	120.00	0.431	0.431	1.00
36	19 40	1 00	0.960	1.00	120.00	120.00	0.241	0.241	1.00
37	20.00	1.01	0.976	1.01	120.00	120.00	0.025	0.325	1.00
38	20 04	1 01	0.980	1.01	120.00	120.00	0.247	0.247	1.00
39	20 22	1 00	0.994	1.00	120.00	120.00	0.072	0.072	1.00
40	20:35	1.00	1.005	1.00	120.00	120.00	0.575	0.573	1.00
41	21 24	1.01	1.045	1.01	120.30	120.00	0.214	0.214	1.00
42	22 23	1 01	1.097	1.01	120.00	120.00	0.059	0.059	1.00
43	22 35	1.00	1.103	1.00	120.00	120.00	0. 161	0. 161	1.00
44	22 42	1.00	1.108	1.00	120.G0	120.00	0. 174	0. 176	1.G0
45	22:53	1 00	1.117	1.00	120.00	120.30	0.408	0.408	1.00
46	23:21	1.00	1.140	1.00	120.00	120.00	0.122	0.122	1.00
47	24:38	1 00	0.897	1.00	120.00	120.00	0. 107	0. 107	1.00
48	24:51	1 00	0.905	1.00	120.00	120.00	0.354	0.354	1.00
49	25:04	1.00	0.913	1.00	120.00	120.00	0.541	0.541	1.00
50	25 12	1.00	0.918	1.00	120.00	120.00	0.496	0.494	1.00

Quantitation Report File: C640404D

Data C640404D TI
04/04/91 13:20:00
Sample AP99 120 4-133-C SAB
Comts 4501 F300 GC8A CASE# SDG#
Formula 1 L FIDUL INT Instrument 4501 Weight 0.000
Submitted by ITAS-PIT Analyst SAB Acct No

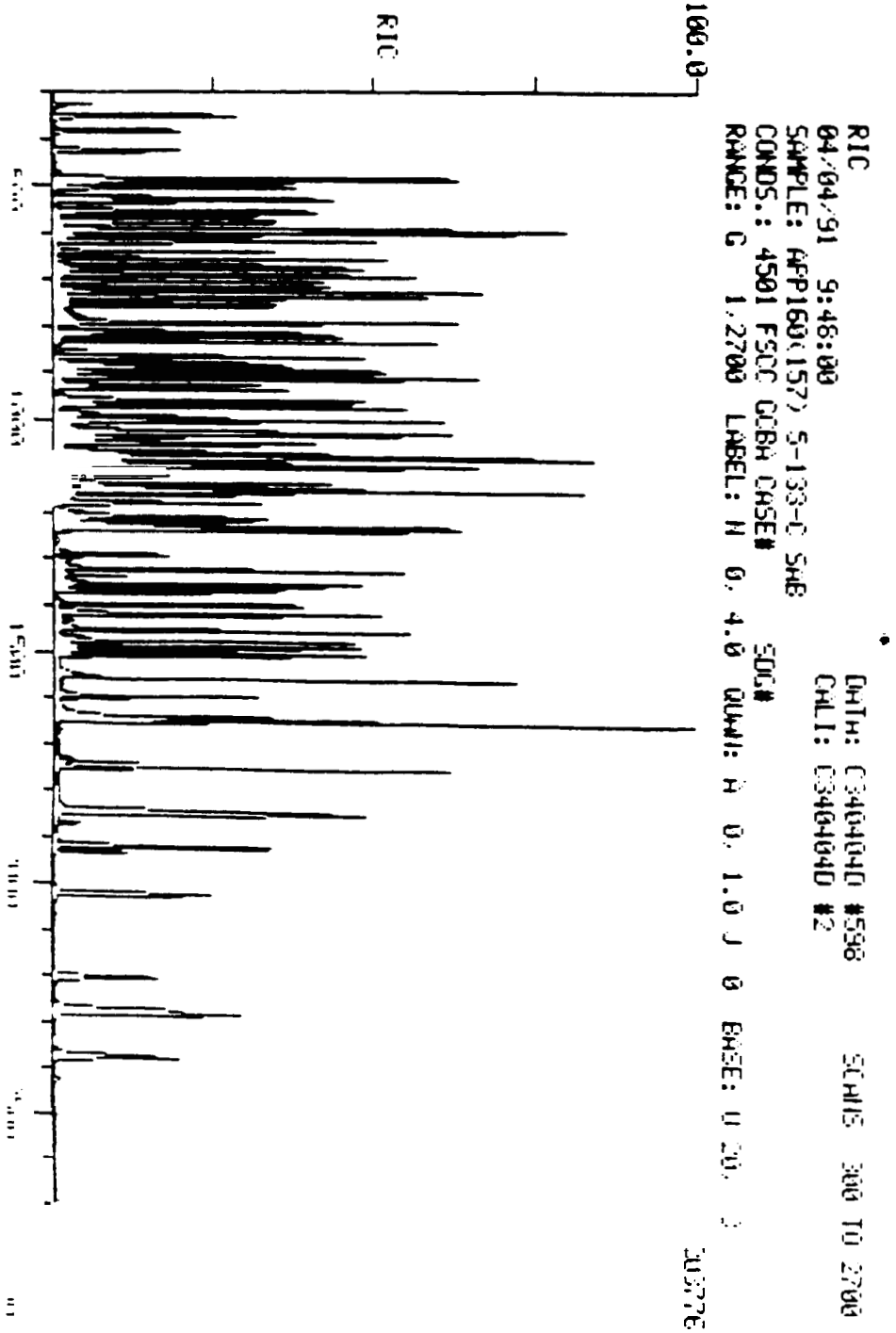
AMOUNT=AREA * (REF AMNT/ REF AREA * RESP FACT)
Resp Fac from Library Entry

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 MEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4-NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	212	1554	25:54	5	0.944	A BB	6085.	120.000 UG/L	1.92
52	NOT FOUND								
53	181	1597	26:37	5	0.970	A BV	36004.	120.000 UG/L	1.92
54	256	1847	30:47	6	0.956	A BB	31088.	120.000 UG/L	1.92
55	268	2021	33:41	6	1.046	A BB	41049.	120.000 UG/L	1.92
56	211	1239	20:39	4	1.007	A BB	37513.	120.000 UG/L	1.92
57	158	937	15:37	3	0.936	A BB	16564.	120.000 UG/L	1.92
58	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	26:03	0.99	0.950	0.99	120.00	120.00	0.076	0.076	1.00
52	26:03		0.950						
53	26:38	1.00	0.970	1.00	120.00	120.00	0.450	0.450	1.00
54	30:49	1.00	0.956	1.00	120.00	120.00	0.386	0.386	1.00
55	33:44	1.00	1.046	1.00	120.00	120.00	0.509	0.509	1.00
56	20:38	1.00	1.007	1.00	120.00	120.00	0.312	0.312	1.00
57	15:37	1.00	0.937	1.00	120.00	120.00	0.210	0.210	1.00
58	31:24		0.976						

4-DICHLOROBENZENE-D4	IS#1	AT	SCAN.	533
PHTHALENE-D8	IS#2	AT	SCAN.	726
THENE-D10	IS#3	AT	SCAN	1000
ANTHRENE-D10	IS#4	AT	SCAN	1229
RYSENE-D12	IS#5	AT	SCAN:	1647
RYLENE-D12	IS#6	AT	SCAN:	1935
FLUOROPHENOL	SS#1	AT	SCAN:	330
ENOL-D6	SS#2	AT	SCAN:	387
TROBENZENE	SS#3	AT	SCAN:	429
FLUOROBIPHENYL	SS#4	AT	SCAN:	491
IBROMOPHENOL	SS#5	AT	SCAN'	396
RPHENYL-D14	SS#6	AT	SCAN:	398



Quantitation Report File: C340404D

Data: C340404D.TI
04/04/91 9 48:00
Sample AP150(157) 5-133-C SAB
Conds 4501 FSCC GC8A CASE# SDG#
Formula 1 L MOUL INT Instrument 4501 Weight: 0.000
Submitted by ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * REF AMNT / REF AREA * RESP FACT
Resp Fac from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD.
2	CI40 NAPHTHALENE-D8 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
6	CI75 PERYLENE-D12 INTERNAL STD.
7	AP03 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	[illegible]	[illegible]	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	[illegible]	[illegible]	3 53	1	1 000	A 33	11414	40 000 UG/L	0 49
2	[illegible]	[illegible]	12 06	2	1 000	A 73	49772	40 000 UG/L	0 49
3	[illegible]	[illegible]	[illegible]	2	1.000	A BB	26652.	40 000 UG/L	3 49
4	168	1229	20 29	4	1 000	A BV	39321	40 C00 UG/L	0 49
5	240	1547	27 27	5	1 000	M XX	25297	40 003 UG/L	0 49
6	264	1935	32 15	5	1.000	A 33	30432	40.000 UG/L	0 49
7	30	330	5 30	1	0.619	A 03	15824.	160.000 UG/L	1 94
8	42	387	6 27	1	0.726	A BB	34082.	160.000 UG/L	1 94
9	79	429	7 09	1	0 805	A BB	63131.	160.000 UG/L	1 94
10	117	491	a:11	1	3 921	A BB	20677.	160 000 UG/L	1 94
11	41	596	9 56	1	1.118	A VV	37604.	160.000 UG/L	1 94
12	105	598	9 58	1	1.122	A BB	85260.	160.000 UG/L	1 94
13	56	598	9 58	1	1.122	M XX	37667.	160.000 UG/L	1 94
14	108	600	10.00	1	1.126	A BB	95180.	160.000 UG/L	1 94
15	106	604	10:04	1	1.153	A VB	83017	160.000 UG/L	1 94
16	42	644	10 44	2	0.987	A BV	64458.	160.000 UG/L	1.94
17	59	762	12:42	2	1.050	M XX	4078.	160.000 UG/L	1.94
18	162	742	12.22	2	1.022	A BB	40677	160.000 UG/L	1.94
19	213	748	12:28	2	1.030	4 BB	11639.	160.000 UG/L	1.94
20	94	796	13 16	2	1.096	A BB	54015.	160.000 UG/L	1.94
21	162	823	13 43	2	1 134	A BO	45709.	160.000 UG/L	1.94
22	216	868	14 28	3	0.968	A BB	40418.	160.000 UG/L	1 94
23	162	903	15 03	3	3.903	A BV	43590.	160.000 UG/L	1 94
24	168	964	15 04	3	0.964	M XX	14246.	160.000 UG/L	1 74
25	250	1034	17 14	3	1.034	A BB	29992.	160.000 UG/L	1 34
26	143	1040	17.20	3	1.040	M XX	59159.	160.000 UG/L	1 94
27	143	1051	17 31	3	1.051	A VB	43331.	160.000 UG/L	1 34
28	57	1086	18:06	4	0.884	A VB	24063.	160.000 UG/L	1.34
29	152	1088	1.9 08	3	0.865	A VB	24150.	160.000 UG/L	1.34
30	169	1102	18 22	4	0.897	A BB	122377.	160.000 UG/L	1 94
31	97	1141	19:01	4	0.928	M XX	22999.	160.000 UG/L	1.94
32	75	1136	16 56	4	0.924	A BV	2333.	160.000 UG/L	1.94
33	108	1154	19 14	4	0.939	M XX	32866.	160.000 UG/L	1.34
34	75	1155	19 15	4	0.940	A VB	81697.	160.000 UG/L	1.94
35	43	1154	19:14	4	0.939	A BV	69947.	160.000 UG/L	1.94
36	67	1180	19:40	4	0.960	M XX	21705.	160.000 UG/L	1.94
37	159	1200	20:00	4	0.976	A VV	8035.	160.000 UG/L	1.94
38	173	1204	20:04	4	0.980	A 3V	4720.	160.000 UG/L	1.74
39	237	1222	20:22	4	0.994	A VB	11411.	160.000 UG/L	1.94
40	58	1235	20:35	4	1.005	M XX	89311.	160.000 UG/L	1.94
41	109	1284	21:24	4	1.045	A BV	5637.	160.000 UG/L	1.94
42	190	1348	22:28	4	1.097	M XX	2149.	160.000 UG/L	1.94
43	97	1355	22.35	4	1.103	A VB	22250.	160.000 UG/L	1.94
44	66	1362	22 42	4	1.108	A BB	27701.	160.000 UG/L	1.94
45	58	1373	22:5.3	3	1.117	A BO	63771.	160.000 UG/L	1.94
46	193	1401	23 21	4	1.140	A BB	18901.	160.000 UG/L	1.94
47	185	1478	24 38	5	0.897	A VV	9290.	160.000 UG/L	1.94
48	79	1491	24:51	5	0.905	A VU	33764.	160.000 UG/L	1 94
49	120	1504	25:04	9	0.313	A BB	35502.	160.000 UG/L	1 94
50	139	1512	25:12	3	0.918	A BB	44734	160.000 UG/L	1 94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R Fac	R Fac(L)	Ratio
1	8:52	1.00	1.000	1.00	40.00	40.00	1.300	1.000	1.00
2	12:04	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:10	1.00	1.000	1.00	40.50	40.00	1.000	1.000	1.00
7	5:30	1.00	2.519	1.00	160.00	160.00	0.347	0.347	1.00
8	6:27	1.00	2.726	1.00	160.00	160.00	0.746	0.746	1.00
9	7:09	1.00	2.805	1.00	150.00	160.30	1.383	1.383	1.00
10	8:11	1.00	0.921	1.00	160.00	160.30	0.453	0.453	1.00
11	9:56	1.00	1.118	1.03	150.30	150.33	0.825	0.825	1.00
12	9:58	1.00	1.122	1.00	160.00	160.60	1.867	1.947	1.00
13	9:58	1.00	1.122	1.00	160.00	160.00	0.825	0.825	1.00
14	10:00	1.00	1.126	1.60	160.00	160.00	2.085	2.085	1.00
15	10:04	1.00	1.133	1.00	160.00	160.00	1.818	1.818	1.00
16	10:44	1.00	0.987	1.00	160.00	160.00	0.324	0.324	1.00
17	12:42	1.00	1.050	1.00	160.00	160.00	0.020	0.020	1.00
18	12:22	1.00	1.022	1.00	160.00	160.00	0.244	0.244	1.00
19	12:28	1.00	1.020	1.00	160.00	160.60	0.059	0.059	1.00
20	13:15	1.00	1.096	1.00	160.00	160.00	0.271	0.271	1.00
21	13:43	1.00	1.134	1.00	153.00	140.00	0.230	0.230	1.00
22	14:28	1.00	0.868	1.00	160.00	160.00	0.379	0.379	1.00
23	15:03	1.00	0.903	1.00	163.00	160.00	0.428	0.428	1.00
24	15:04	1.00	0.944	1.00	160.00	160.00	0.134	0.134	1.00
25	17:14	1.00	1.034	1.00	160.30	160.30	0.281	0.281	1.00
26	17:20	1.00	1.040	1.00	160.00	160.00	0.555	0.555	1.00
27	17:31	1.00	1.051	1.00	160.30	160.00	0.406	0.406	1.00
28	18:06	1.00	0.884	1.00	163.00	160.00	0.155	0.155	1.00
29	18:08	1.00	0.365	1.00	160.00	160.00	0.136	0.156	1.00
30	18:22	1.00	0.897	1.00	160.00	160.00	0.788	0.788	1.00
31	19:01	1.00	0.928	1.00	160.00	160.00	0.148	0.148	1.00
32	18:56	1.00	0.924	1.00	160.00	160.00	0.015	0.015	1.00
33	19:14	1.00	0.939	1.00	160.00	160.00	0.212	0.212	1.00
34	19:15	1.00	0.940	1.00	160.00	160.00	0.526	0.526	1.00
35	19:14	1.00	0.939	1.00	160.00	160.00	0.450	0.450	1.00
36	19:40	1.00	0.960	1.00	160.00	160.00	0.140	0.140	1.60
37	20:00	1.00	0.976	1.00	160.00	160.00	0.052	0.052	1.00
38	20:04	1.00	0.980	1.00	160.00	160.00	0.027	0.027	1.00
39	20:22	1.00	0.9v4	1.00	160.00	160.00	0.073	0.073	1.00
40	20:35	1.00	1.005	1.00	160.00	160.00	0.576	0.576	1.00
41	21:24	1.00	1.045	1.00	160.00	160.00	0.036	0.036	1.00
42	22:29	1.00	1.097	1.00	140.00	160.00	0.014	0.014	1.00
43	22:35	1.00	1.103	1.00	160.00	160.00	0.143	0.143	1.00
44	22:42	1.00	1.108	1.00	160.00	160.00	0.178	0.178	1.00
45	22:53	1.00	1.117	1.00	160.00	160.00	0.424	0.424	1.00
46	23:21	1.00	1.140	1.00	160.00	160.00	0.122	0.122	1.00
47	24:38	1.00	0.697	1.00	160.00	160.00	0.092	0.092	1.00
48	24:51	1.00	0.905	1.00	160.00	160.00	0.334	0.334	1.00
49	25:04	1.00	0.913	1.00	160.00	160.00	0.549	0.549	1.00
50	25:12	1.00	0.918	1.00	160.00	160.00	0.442	0.442	1.00

Quantitation Report File: C340404D

Data: C340404D.TI
04/04/91 9:48:00
Sample AP160(157) 5-133-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1.L +100L INT Instrument: 4501 Weight: 0.300
Submitted by ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * REF AMNT / (REF AREA * RESP FACT)
Resp. Fac. from Library Entry

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP52 2-ACETYLAMINOFLUORENE
57	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
58	AP55 DINOSEB
59	AP57 1,4 NAPHTHOQUININE
60	AP58 HEXACHLOROPHENE

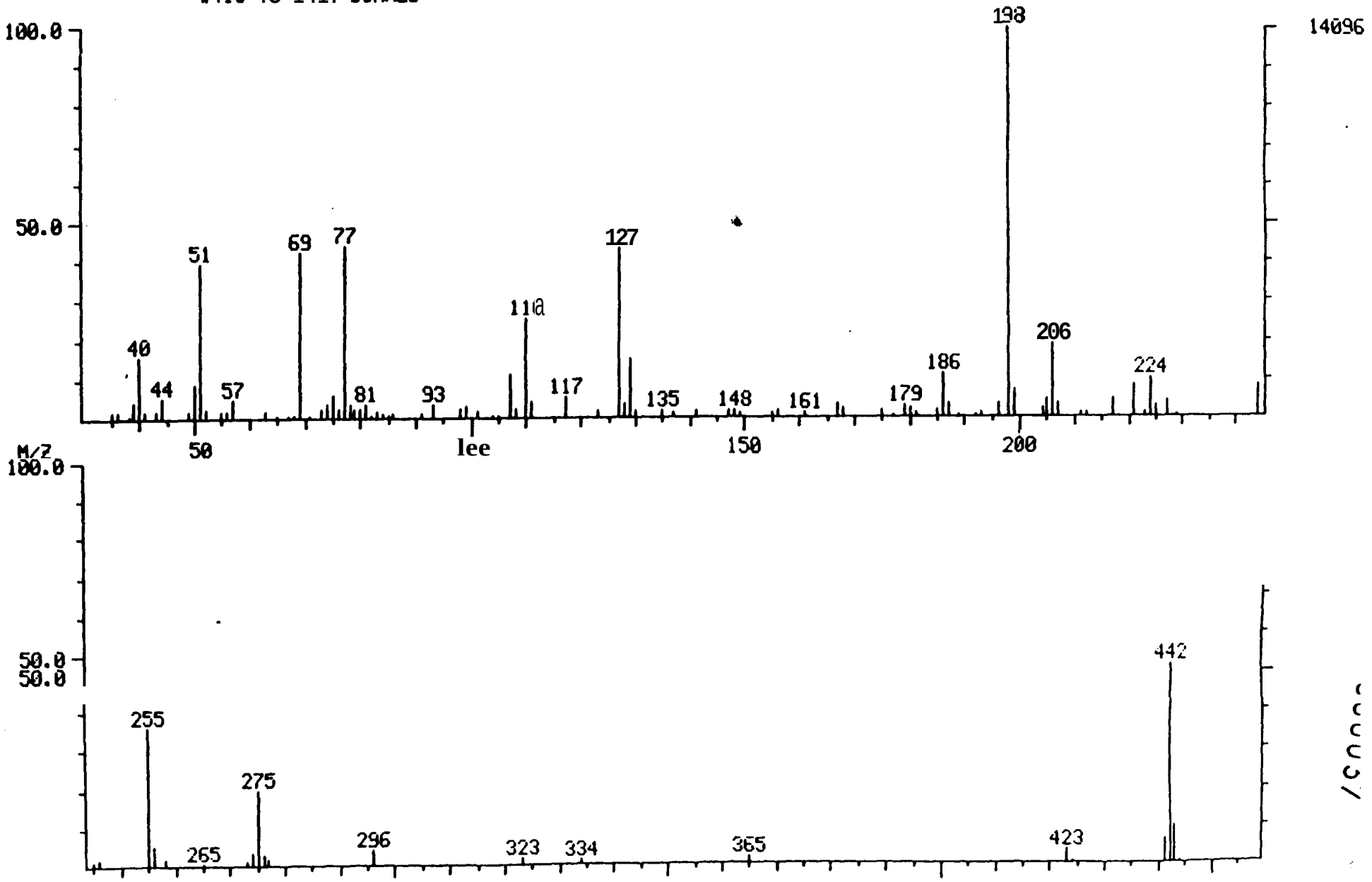
No	m/z	Scan	Time	Ref	RRT	Meth	AreaiHght	Amount	%Tot
51	212	1554	25:54	5	0.944	M XX	19678.	160.000 UG/L	1.94
52	NOT FOUND								
53	181	1598	26:38	5	0.970	M XX	51133.	160.000 UG/L	1.94
54	256	1849	30:49	6	0.956	A VB	43777.	160.000 UG/L	1.34
55	268	2024	33:44	6	1.046	M XX	67606.	160.000 UG/L	1.94
56	NOT FOUND								
57	NOT FOUND								
58	211	1238	20:38	4	1.007	A BB	22549.	160.000 UG/L	1.94
59	158	937	15:37	3	0.937	A BB	43806.	160.000 UG/L	1.94
60	NOT FOUND								

No	Ret (L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	26.02	0.99	0.950	0.99	160.00	160.00	0.194	0.194	1.00
52	26:03		0.951						
53	26.38	1.00	0.970	1.00	160.00	160.00	0.505	0.505	1.00
54	30:49	1.00	0.956	1.00	163.00	160.00	0.360	0.360	1.00
55	33:44	1.00	1.046	1.00	160.00	160.00	0.556	0.556	1.00
56	26.32		1.000						
57	30:41		1.000						
58	20:38	1.00	1.007	1.00	160.00	160.00	0.145	0.145	1.00
59	15.37	1.00	0.937	1.00	160.00	160.00	0.430	0.430	1.00
60	31:25		0.977						

MASS SPECTRUM
04/44/91 7:47:00 + 6:56
SAMPLE: DFTPP 4-125-C SAB
COS.: 4501 FSCC GCBA CASE# SDG#
#416 TO 1417 SUMMED

DATA: DF40404D 1416
CALI: C140402D #2

BASE M/Z: 198
RIC: 102912.



Mars List
04/04/91 7:47:00 + 6:56
Sample: DFTPP 4-125-C SAB
Conds.: 4901 FSCC GCBA CASE# SDG#
#416 to #417 summed

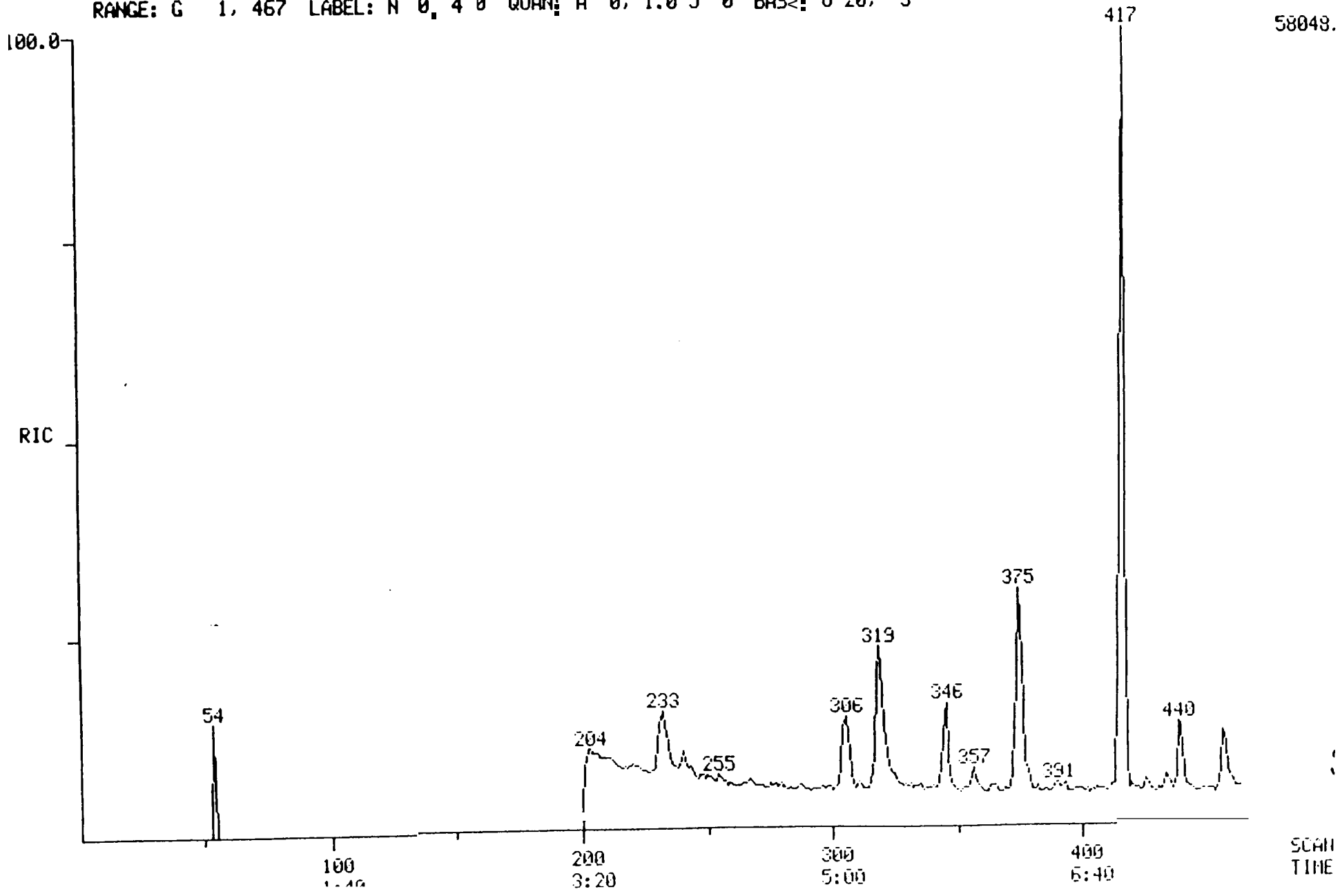
Data: DF40404D # 416
Cali: C140402D # 2

Base m/z: 198
RIC: 102912.

35	0.00	0.	Minima	Min	Inten:	108.
444			Maxima	#	0	
Mass	% RA	Inten.	Mass		% RA	Inten
35?	1.49	210.	149		1.35	191.
36?	1.81	255.	155		1.42	200.
39?	4.01	565.	156		1.94	273.
40?	15.49	2184.	161		1.42	200.
41?	1.82	256.	167		3.67	518.
43'7	1.77	250.	168		2.30	324.
44'7	5.39	760.	175		1.67	236.
49?	1.61	227.	179		2.99	422.
50?	9.01	1270.	180		2.21	311.
51?	39.67	5592.	181		1.23	174.
52?	2.30	324.	183		1.53	216.
55?	1.70	239.	186		10.94	1542.
56?	1.75	247.	187		3.49	492.
57'7	4.49	633.	189		0.81	114.
633	1.68	237.	193		1.39	196.
65?	0.84	119.	196		3.33	469.
69	42.57	6000.	198		100.00	14096.
73	2.58	364.	199		6.98	984.
74	3.28	462.	204		2.56	361.
73	5.97	842.	205		4.37	616.
76	2.15	303.	206		18.56	2616.
77	44.04	6208.	207		3.67	518.
78	3.41	480.	211		0.92	129.
79	2.50	352.	212		0.89	125.
80	2.04	288.	217		4.54	640.
81	3.51	49s.	221		8.04	1134.
82	0.80	113.	223		1.35	190.
83	1.71	241.	224		9.70	1368.
84	1.40	197.	225		2.69	379.
86	1.38	194.	227		3.80	536.
91	1.37	193.	244		8.16	1150.
93	3.47	489.	245		1.31	184.
98	2.56	361.	246		1.54	217.
99	2.82	397.	253		36.10	5088.
101	1.71	241.	256		5.51	776.
107	11.22	1582.	258		1.97	278.
108	2.19	308.	273		1.29	182.
110	25.65	3616.	274		3.67	517.
111	4.00	564.	275		19.69	2776.
117	5.44	767.	276		2.88	406.
123	1.54	217.	277		1.63	232.
12?	43.81	6176.	296		4.31	607.
128	3.30	494.	323		1.81	255.
129	14.90	2100.	334		1.18	166.
130	1.54	217.	365		2.03	286.
135	1.63	232.	423		3.21	432.
137	1.25	176.	441		6.46	911.
141	1.89	267.	442		51.33	7264.
147	1.73	244.	443		10.16	1432.
148	1.97	277.	444		0.84	119.

RIC
04/04/91 7:47:00
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
RANGE: G 1, 467 LABEL: N 0, 4 0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: DF40404D #1 SCANS 1 TO 467
CALI: C140402D #2



GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

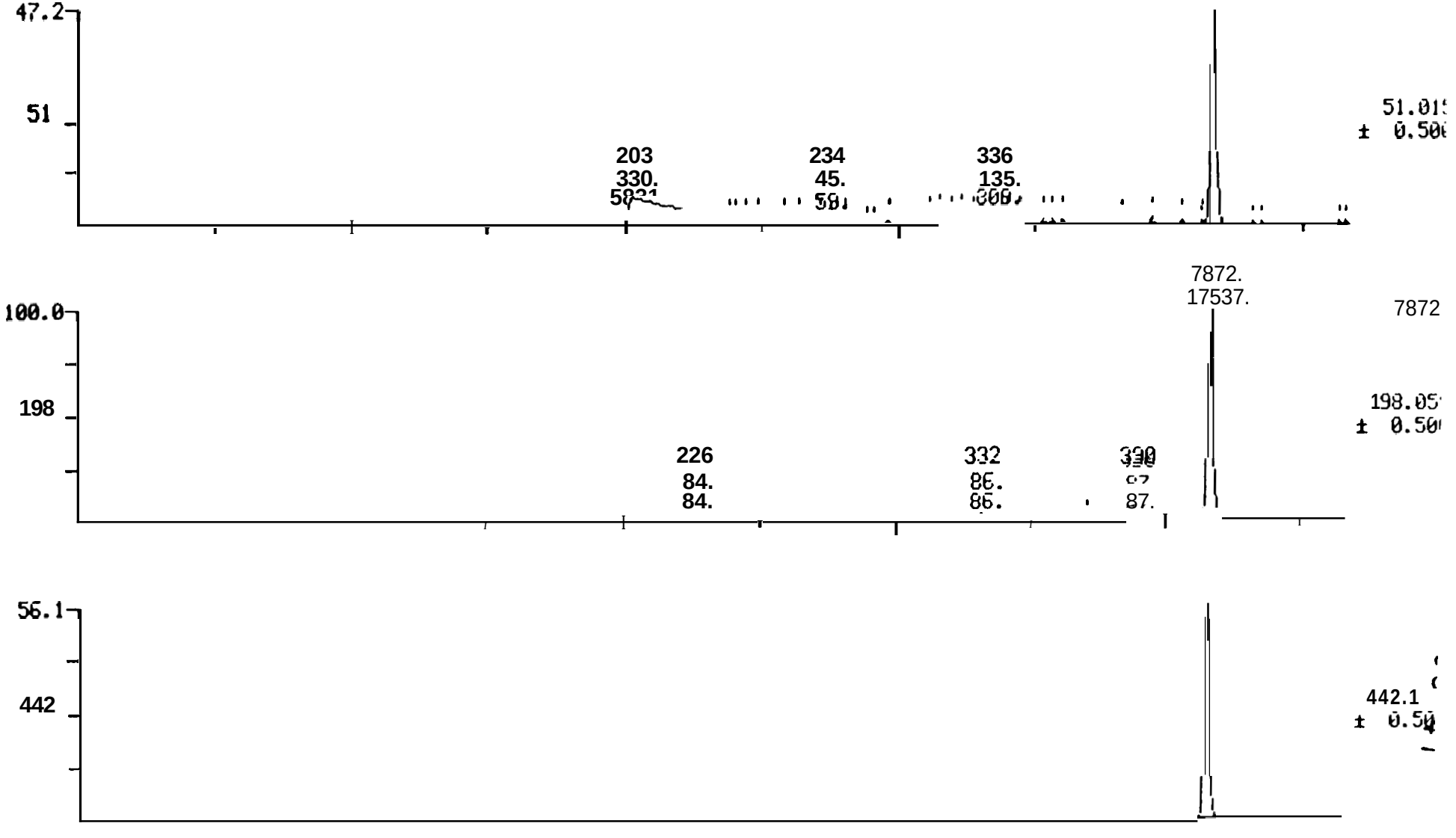
Case Number.		Laboratory:		Contract:	
Inst ID:	3501	Sens Date:	04/04/91	Sens Time:	7:47:00
Lab ID:	DF40404D	Cali Date:		Analyst:	SAD

Data release authorized by: _____

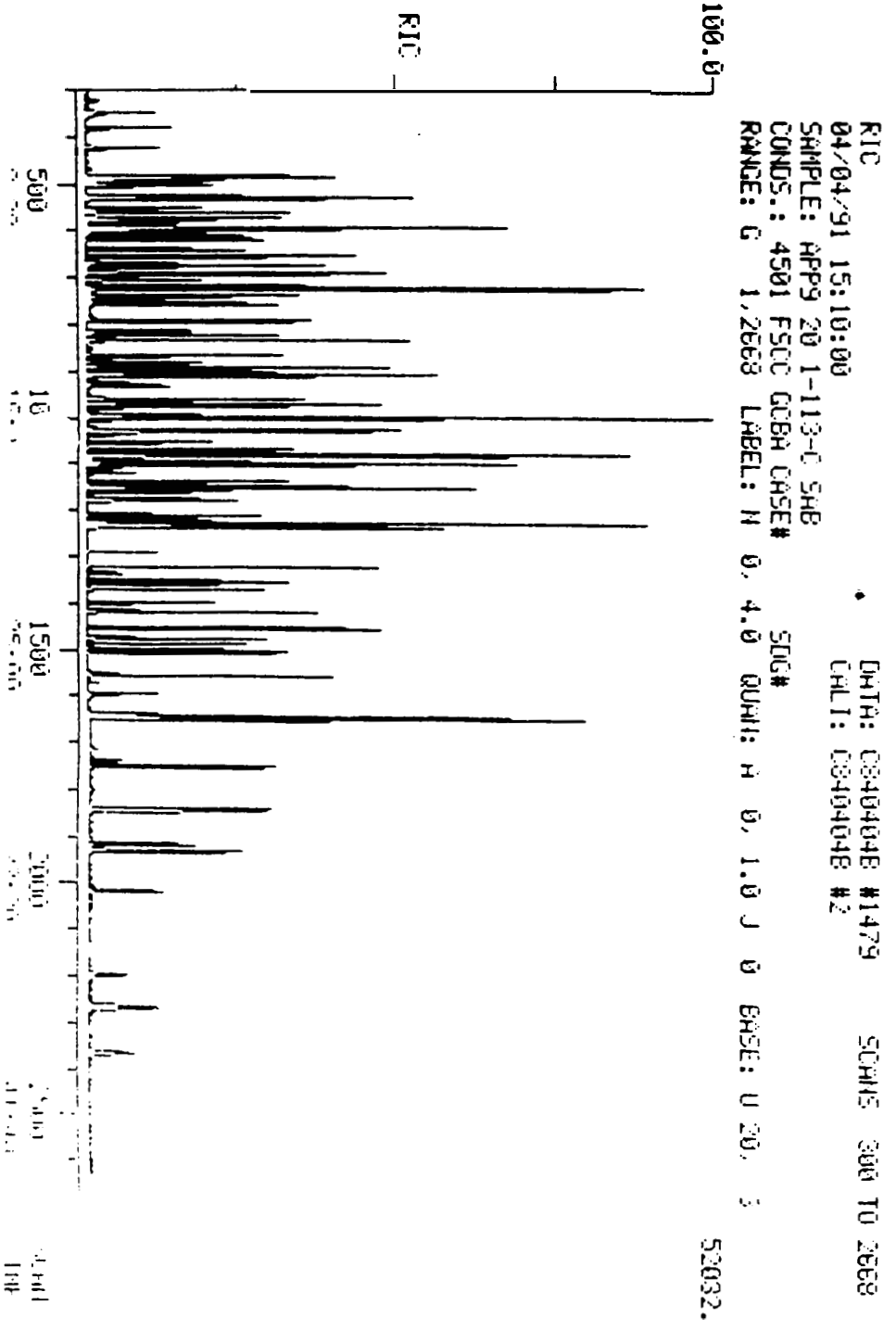
M/E	Ion Abundance Criteria	Spec # 416	
51	30 to 60% of mass 198	39.67	
68	less than 2% of mass 69	0.58	(1.37) 1
69	mass 69 relative abundance	42.37	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	43.81	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	6.98	
275	10 TO 30% of mass 198	19.69	
365	greater than 1% of mass 198	2.03	
441	less than mass 443	6.46	
442	greater than 40X of mass 198	51.53	
443	17 TO 23% of mass 442	10.16	(19.72) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

0


47.2
51
203
330.
234
45.
336
135.
51.015
± 0.500
100.0
198
226
84.
84.
332
86.
86.
87.
7872.
17537.
7872
198.05
± 0.50
56.1
442
442.1
± 0.50

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	532
NAPHTHALENE-D8	IS#2	AT	SCAN:	725
ACENAPTHENE-D10	IS#3	AT	SCAN:	999
PHENANTHRENE-D10	IS#4	AT	SCAN:	1228
CHRYSENE-D12	IS#5	AT	SCAN:	1646
PERYLENE-D12	IS#6	AT	SCAN:	1933
2-FLUOROPHENOL	SS#1	AT	SCAN:	349
PHENOL-D6	SS#2	AT	SCAN:	484
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUORODIPHENYL	SS#4	AT	SCAN:	894
TRIBROMOPHENOL	SS#5	AT	SCAN:	1122
TERPHENYL-D14	SS#6	AT	SCAN.	1479



Data: C840404B.TI
04/04/41 15:10:00
Sample: APP9 20 1-113-C SAB
Conds.: 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4501 Weight: 0.000
Submitted by: ITAS-PIT Analyst: SAB Acct. No :

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac from average of the 1 closest data points in RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
3	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD
4	CI75 PERYLENE-D12 INTERNAL STD
7	CS50 FLUOROPHENQL (SURROGATE)
a	CS45 PHENOL-D6 (SURROGATE)
9	CS20 NITROBENZENE-D5 (SURROGATE)
10	CS25 2-FLUOROBIFHENYL (SURROGATE)
11	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
12	CS30 TERPHENYL-014
13	C320 ANILINE
14	C315 PHENOL CCC
15	C325 BIS(2-CHLOROETHYL)ETHER
16	C330 2-CHLOROPHENOL
17	c335 1,3-DICHLOROBENZENE
18	C340 1,4-DICHLOROBENZENE CCC
19	c343 BENZYL ALCOHOL
20	C350 1,2-DICHLOROBENZENE
21	C355 2-METHYLPHENOL
22	C360 BIS(2-CHLOROISOPROPYL)ETHER
23	C370 N-NITROSO-DI-N-PROPYLAMINE SPCC
24	C375 HEXACHLOROETHANE
25	C410 NITPOBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL CCC
28	C425 2,4-DIMETHYLPHENOL
29	C430 BENZOIC ACID
30	c435 BIS(2-CHLOROETHOXY)METHANE
31	C440 2,4-DICHLOROPHENOL CCC
32	C445 1,2,4-TRICHLOROBENZENE
33	C450 NAPHTHALENE
34	C455 4-CHLOROANILINE
33	C460 HEXACHLOROBUTADIENE CCC
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	2510 HEXACHLOROCYCLOPENTADIENE SPCC
39	C515 2,416-TRICHLOROPHENOL CCC
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C535 DIMETHYL PHTHALATE
44	C540 ACENAPHTHYLENE
45	C543 2,6 DINITROTOLUENE
46	C545 3-NITROANILINE
47	C550 ACENAPHTHENE CCC

48 C555 2,4-DINITROPHENOL
49 C560 4-NITROPHENOL
50 C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	532	8:52	1	1.000	A BB	15077	40 000 UG/L	2.20
2	136	725	12:05	2	1.000	A BB	54551	40.000 UG/L	2.20
3	164	999	16.39	3	1.000	A BB	27652	40 000 UG/L	2 20
4	188	1228	20:29	4	1.000	A BB	38040	40.000 UG/L	2.20
5	240	1646	27:26	5	1.000	A BB	25852	40.000 UG/L	2 20
6	244	1932	32 12	6	1.000	A BB	24978	40 000 UG/L	2.20
7	112	349	5 49	1	0.454	A BB	9532.	20.000 UG/L	1 10
8	99	483	a.03	1	0.908	A BB	15049	20.000 UG/L	1 10
9	82	656	10.54	2	0.905	A BB	23154	20.000 UG/L	1 10
10	172	894	14.54	3	0.895	A BB	17499.	20.GOO UG/L	1 10
11	330	1122	18:4.2	3	1.123	A BB	1568.	20.000 UG/L	1 10
12	244	1479	24:39	5	0.999	A BB	15452.	20.000 UG/L	1 10
13	93	389	a:09	1	0.919	A BV	14073	20.000 UG/L	1.10
14	34	485	8:05	1	0.912	A BV	16362.	20.000 UG/L	1.10
15	93	406	a:16	1	0.932	A VB	15060.	20.000 UG/L	1.10
16	128	505	8:25	1	0.949	A BB	11321.	20.GOO UG/L	1 10
17	146	526	8:46	1	0.989	A BV	11496.	20.000 UG/L	1.10
18	144	534	8:54	1	1.004	A VB	12330.	20.000UG/L	1.10
13	108	554	9:14	1	1.041	A BB	6218.	20.000 UG/L	1.10
20	144	562	9:22	1	1.056	A BB	11372.	20.GOO UG/L	1.10
21	108	574	0:34	1	1.079	A BB	12299.	20.000 UG/L	1.10
22	45	579	9:39	1	1.088	A BB	18531.	20.000UG/L	1.10
23	70	539	3:59	1	1.126	A BB	8192.	20.000 UG/L	1.10
24	117	609	10:09	1	1.145	A BD	5381.	20.000 UG/L	1.10
25	77	620	10:20	2	0.855	A BD	12385.	20.000 UG/L	1.10
26	82	456	10:56	2	0.905	A BB	23154.	20.GOO UG/L	1.10
27	139	aa9	11:09	2	0.923	A BV	6171.	20.GOO UG/L	1 10
28	107	676	11:14	2	0.932	A BV	9433.	20.000 UG/L	1 10
29	122	a87	11:27	2	0.940	A VV	1638.	20.000 UG/L	1.10
30	93	690	11:30	2	0.952	A BB	15584.	20.000 UG/L	1.10
31	162	706	11:46	2	0.974	A BB	7300.	20.300 UG/L	1.10
32	180	719	11:59	2	0.992	A BB	9057.	20.000 UG/L	1.10
33	128	728	12:08	2	1.004	A BB	31299.	20.000 UG/L	1.10
34	127	740	12:20	2	1.021	A VV	2732.	20.000 UG/L	1.10
35	225	758	12:38	2	1.046	A BB	4148.	20.000 UG/L	1.10
36	107	814	13:34	2	1.123	A BB	8615.	20.000UG/L	1.10
37	142	834	13:54	2	1.150	A BB	19604.	20.000 UG/L	1.10
38	237	871	14:31	3	0.872	A BB	2025.	20.000 UG/L	1 10
39	196	882	14:42	3	0.883	A BV	3876.	20.000 UG/L	1.10
40	196	889	14:49	3	0.890	A VB	5041.	20.000 UG/L	1.10
41	162	910	1S:10	3	0.911	M XX	19389.	20.000 UG/L	1.10
42	65	529	15:29	3	0.930	A BB	4906.	20.000 UG/L	1 10
43	163	961	16:01	3	0.962	A DO	17930.	20.000 UG/L	1.10
44	152	975	16:15	3	0.976	A BB	24543.	20.000 UG/L	1.10
45	la5	368	16:08	3	0.969	A BB	12248.	20.000UG/L	1.10
46	138	993	16:33	3	0.994	A BO	2404.	20.000 UG/L	1.10
47	153	1004	16:44	3	1.005	A BB	15549.	20.000 UG/L	1.10
48	184	1009	16:49	3	1.010	A BD	1303.	20.000 UG/L	1 10
49	109	1024	17:04	3	1.02s	M XX	457.	20.000UG/L	1.10
50	168	1029	17:09	3	1.030	A OB	22887.	20.000 UG/L	1.10

1	a:39	1.03	1 000	1 00	40.00	40 00	1.000	1.000	1.00
2	11:59	1.01	1 000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:35	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1 00
5	27.23	1.00	1.000	1.00	40.00	40 00	1.000	1.000	1.00
6	32:08	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1 00
7	5:23	1.08	0.622	1 05	20.00	20.60	1.244	1.264	1.00
8	7 48	1 03	0.902	1.01	20.00	20.00	1.996	1.396	1.00
9	10 48	1 01	0.901	1 00	20.00	20.60	0 849	0.349	1.00
10	14 51	1 00	0 895	1.00	20.00	20.00	1.266	1.266	1 00
11	18:39	I 00	1 125	1.00	20.00	20.00	0.113	0 113	1.00
12	24:34	1 00	0 898	1.00	20.00	20.60	1.195	1 195	1.00
13	7:53	1 03	0 911	1.01	20.00	20.00	1.867	1 867	1 00
14	7:50	1.03	0.906	1 01	20.00	20.00	2.184	2.184	1 00
15	8:02	1.03	0.929	1.00	20.00	20.00	1.998	1.998	1 00
16	a:11	1.03	0.946	1.00	20.00	20.00	1.502	1.502	1 00
17	8:34	1.02	0.990	1.00	20.00	20 00	1.552	1.552	1 00
18	8:41	1.02	1.004	1.00	20.00	20.00	1.636	1 436	1 00
19	9:03	1.02	1.046	1.00	20.00	20.00	0.825	0.825	1 00
20	9:11	1.02	1.062	1.00	20.00	20.00	1.509	1.509	1.00
21	9:23	1.02	1.085	0.99	20.00	20.00	1.631	1.631	1 00
22	9:29	1.02	1.096	0.99	20.00	20.00	2.458	2.458	1.00
23	9:50	1.02	1.137	0.99	20.00	20.00	1.087	1.087	1.00
24	10:00	1.01	1 156	0.99	20.00	20.00	0.714	0.714	1.00
25	10:11	1.01	0.850	1.01	20.00	20.00	0.454	0.454	1.00
26	10:48	1.01	0.901	1.00	20.00	20.00	0.849	0.549	1.00
27	11:01	1.01	0.319	1.00	20.00	20.00	0.226	0.224	1.00
28	11:09	1.01	0.930	1.00	20.00	20.00	0.346	0.344	1.00
29	11:24	1.00	0.951	1.00	20.00	20.00	0.060	0.060	1.00
30	11:24	1.01	0.351	1.00	20.00	20.00	0.571	0.571	1 00
31	11:39	1.01	0.972	1.00	20.00	20.00	0.260	0.268	1.00
32	11:53	1.01	0.992	1.00	20.00	20.00	0.332	0.332	1 00
33	12:02	1.01	1.004	1.00	20.00	20.00	1.148	1.148	1.00
34	12:14	1.01	1.021	1.00	20.00	20.00	0.100	0.100	1 00
35	12:32	1.01	1 046	1.00	20.00	20.60	0.152	0.152	1.00
36	13:29	1.01	1.125	1.00	20.00	20.00	0.316	0.316	1.00
37	13:50	1.00	1.154	1.00	20.00	20.00	0.719	0.719	1.00
36	14:27	1.00	0.971	1.00	20.00	20.00	0.146	0.146	1.00
39	14:38	1.00	0.882	1.00	20.00	20.00	0.280	0.280	1.00
40	14:44	1.01	0.988	1.00	20.00	20.00	0.365	0.365	1.00
41	15:06	1.00	0.911	1.00	20.00	20.00	1.402	1.402	1.00
42	15:25	1.00	0.930	1.00	20.00	20.00	0.355	0.355	1.00
43	15:59	1.00	0.964	1.00	20.00	20.00	1.297	1.297	1.00
44	16:11	1.00	0.976	1.00	20.00	20.60	1.77s	1.775	1.00
45	15:08	1.00	0.973	1.00	20.00	20.00	0.886	0.886	1.00
	16:29	1.00	0.994	1.00	20.00	20.00	0.174	0.174	1.00
47	14:41	1.00	1.006	1.00	20.00	20 00	1.125	1.125	1.00
48	16:45	1.00	1.010	1.00	20.00	20.60	0.094	0.094	1.00
49	16:56	1.01	1.021	1.00	20.00	20.00	0.034	0.034	1.00
50	17:05	1.00	1.030	1.00	20.00	20.00	1.655	1.655	1.00

Data. C8404048 TI

04/04/91 15 10 00

Sample APP9 20 1-113-C SAB

Conds 4501 FSCC GCBA CASE# SDG#

Formula 1UL +10UL INT Instrument 4501 Weight 0 000

Submitted by: ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)

Resp fac from average of the 1 closest data points in RL

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C5a5 4-CHLOROPHENYL-PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE (DIPHENYLAMINE) CCC
58	C625 4-BROMOPHENYL-PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL CCC
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYL PHTHALATE
64	C655 FLUORANTHENE
65	C710 BENZIDINE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
48	C725 3,3'-DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C740 CHRYSENE
71	c745 BIS(2-ETHYLHEXYL) PHTHALATE
72	C760 DI-N-OCTYL PHTHALATE CCC
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE CCC
7i	C700 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZ(A,H)ANTHRACENE
79	C790 BENZO(G,H,I)PERYLENE
79	EP01 TOTAL (3 & 4 METHYL PHENOLS)
80	EP02 PYRIDINE
81	EP03 2,3,4,6-TETRACHLOROPHENOL
82	AP02 N-NITROSODIMETHYLAMINE
83	AP03 N-NITROSOMETHYLETHYLAMINE
04	AP04 2-PICOLINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1032	17:12	3	1.033	A BB	5427.	20.000 UG/L	1.10
52	143	1071	17:51	3	1.072	A BB	17384.	20.000 UG/L	1.13
53	204	1082	18:02	3	1.083	A BB	7303.	20.000 UG/L	1.10
54	166	1082	18:02	3	1.083	A BB	18756.	20.000 UG/L	1.10
55	138	1089	18:09	3	1.090	A BB	2208.	20.000 UG/L	1.10
56	198	1095	18:15	4	0.892	A BB	5546.	20.000 UG/L	1.13
57	169	1100	18:20	4	0.896	A BB	22143.	40.000 UG/L	2.20
58	240	1157	19:17	4	0.942	A BB	4324.	20.000 UG/L	1.10
59	284	1181	19:41	4	0.962	A BB	4676.	20.000 UG/L	1.10

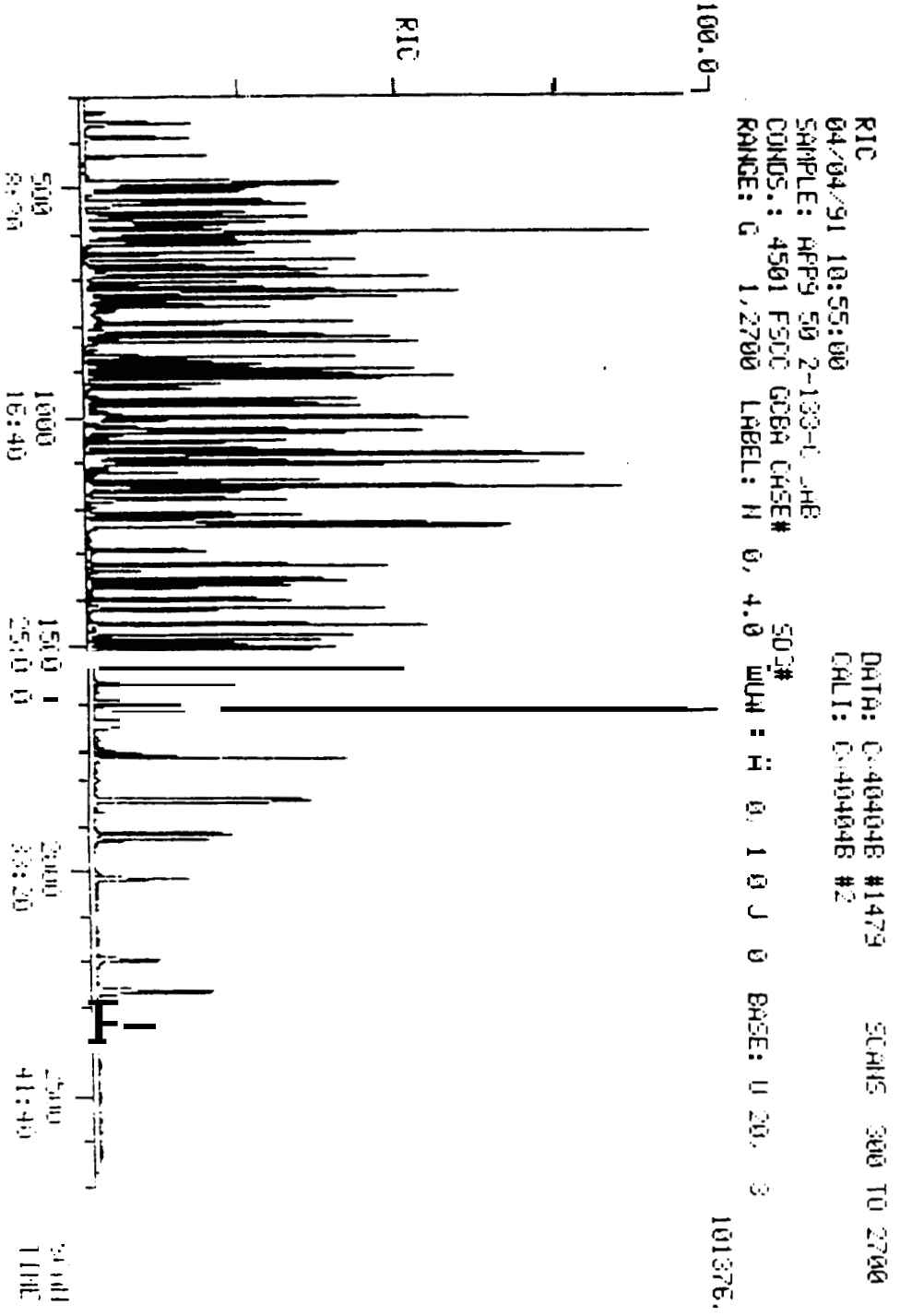
3200610

60	266	1208	20:08	4	0.984	A	BB	2251.	20.000 UG/L	1 10
61	179	1232	20:32	4	1.003	A	BV	24571.	20.000 UG/L	1 10
62	178	1238	20:38	4	1.008	A	VB	22558.	20.000 UG/L	1 10
63	149	1325	22:05	4	1.079	A	BB	29553.	20.000 UG/L	1 10
64	202	1419	23:39	4	1.156	A	BB	22275.	20.000 UG/L	1 10
65	NOT	FOUND								
66	202	1455	24:15	5	0.884	A	BB	23953.	20 GOO UG/L	1.10
67	149	1558	25:58	5	0.947	A	BB	11317	20 000 UG/L	1.10
68	252	1639	27:19	5	0.996	A	BB	5236	20 000 UG/L	1 10
69	228	1443	27.23	5	0.998	A	BV	18472.	20 000 UG/L	1 10
70	228	1650	27:30	5	1.002	A	VB	16598.	20 000 UG/L	1 10
71	139	1650	27 30	5	1.002	A	BB	15225	20 000 UG/L	1.10
72	149	1752	29:12	6	0.307	A	BB	22507.	20.000 UG/L	1 10
73	252	1842	30.42	5	0.953	A	BV	17952	20.000 UG/L	1 10
74	252	1947	30:47	6	0.956	A	VB	15770.	20.G00 UG/L	1 10
75	252	1918	31:58	4	0.993	A	BV	14954.	20.000 UG/L	1.10
76	276	2268	37:48	6	1.174	A	BB	14637.	20.000 UG/L	1 10
77	278	2271	37:51	6	1.175	A	BB	11729.	20.000 UG/L	1 10
76	276	2366	39:26	6	1.225	A	BB	12746.	20.000 UG/L	1.10
79	108	594	9:56	1	1.120	A	BB	22071	40.000 UG/L	2.20
80	79	180	3:00	1	0.338	A	BB	10749.	20.000 UG/L	1.10
81	232	1054	17:34	3	1.055	A	BB	3669.	20.000 UG/L	1 10
82	74	177	2:57	1	0.333	A	BB	7994.	20.000 UG/L	1.10
8'3	42	284	4:44	1	0.534	A	BB	5852.	20.000 UG/L	1.10
84	93	268	4:28	1	0.504	A	BB	6182.	20.000 UG/L	1.10

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:09	1.00	1.034	1 00	20.00	20.00	0.393	0.393	1 00
52	17:49	1.00	1.074	1 00	20.00	20.00	1.257	1.257	1.00
53	17:58	1.00	1.083	1.00	20.00	20.00	0.528	0.528	1 00
54	18:00	1.00	1.085	1.00	20.00	20.00	1.357	1.357	1 00
55	18:07	1.00	1.092	1.00	20.00	20.00	0.160	0.160	1 00
96	18:13	1.00	0.B92	1.00	20.00	20.00	0.292	0.292	1 00
57	18:18	1.00	0 696	1 00	40.00	40.00	0.582	0.582	1 00
58	13:15	1.00	0.942	1.00	20.00	20.00	0.227	0.227	1 00
59	19:39	1.00	0.962	1.00	20.00	20.00	0.246	0.246	1 00
60	20:06	1.00	0.984	1.00	20.00	20.00	0.118	0.118	1 G0
61	20:29	1.00	1.002	1.00	20.00	20.00	1.292	1.292	1.00
62	20:37	1.00	1.009	1.00	20.00	20.00	1.186	1.186	1.00
63	22:02	1.00	1.076	1.00	20.00	20.00	1.554	1.554	1.00
54	23:37	1.00	1.156	1.00	20.00	20.00	1.171	1.171	1.00
45	24:36		0.8V8						
66	24:12	1.00	0.884	1.00	20.00	20.00	1.853	1.853	1.00
47	25:56	1.00	0.947	1.00	20.00	20.00	0.876	0.976	1.00
68	27:16	1.00	0.996	1.00	20.00	20.00	0.405	0.405	1.00
69	27.21	1.00	0.999	1.00	20.00	20.00	1.429	1.429	1.00
70	27:28	1.00	1,003	1.00	20.00	20.00	1.284	1.284	1 00
71	27:28	1.00	1.003	1.00	20.00	20.00	1.178	1.178	1.00
72	29:10	1.00	0.908	1.00	20.00	20.00	1.802	1.802	1.00
73	30:39	1.00	0.954	1.00	20.00	20.00	1.437	1.437	1.00
74	30:44	1.00	0.956	1.00	20.00	20.00	1.263	1.263	1.00
75	31:54	1.00	0.903	1.00	20.00	20.00	1.197	1.197	1.00
76	37:42	1.00	1.173	1.00	20.00	20.00	1.172	1.172	1.00
77	37:45	1.00	1.175	1.00	20.00	20.00	0.939	0.939	1.00
78	39:21	1.00	1.225	1.00	20.00	20.00	1.021	1.021	1.00
70	9:47	1.02	1.131	0.99	40.00	40.00	1.464	1.464	1.00

80	2:43	1.10	0.314	1.08	20.00	20.00	1.429	1.429	1.00
81	17:31	1.00	1.056	1.00	20.00	20.00	0.265	0.265	1.00
82	2:41	1.10	0.310	1.07	20.00	20.00	1.060	1.060	1.00
83	4:11	1.13	0.484	1.10	20.00	20.00	0.776	0.776	1.00
84	.357	1.13	0.457	1.10	20.00	20.00	0.820	0.820	1.00

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN.	534
NAPHTHALENE-D8	IS#2	AT	SCAN:	727
ACENAPTHENE-D10	IS#3	AT	SCAN:	1000
PHENANTHRENE-D10	IS#4	AT	SCAN:	1229
CHRYSENE-D12	IS#5	AT	SCAN:	1646
PERYLENE-D12	IS#6	AT	SCAN:	1932
2-FLUOROPHENOL	SS#1	AT	SCAN:	0
PHENOL-Et	SS#2	AT	SCAN:	489
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUOROEIFHENYL	SS#4	AT	SCAN:	895
TRIBROMOPHENOL	SS#5	AT	SCAN:	1123
TERFHENYL-D14	SS#6	AT	SCAN.	1479



Data C440404B TI
04/04/91 10:55.00
Sample APP9 50 2-133-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL +10UL INT Instrument 4501 Weight 0 000
Submitted by ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * PEF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	C160 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
4	CI75 PERYLENE-D12 INTERNAL STD.
7	CS50 FLUOROPHENOL (SURROGATE)
a	CS45 PHENOL-D6 (SURROGATE)
?	CS20 NITROBENZENE-DS (SURROGATE)
10	CS25 2-FLUOROBIPHENYL (SURROGATE)
11	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
12	CS30 TERPHENYL-D14
13	C320 ANILINE
14	C315 PHENOL CCC
15	C325 BIS(2-CHLOROETHYL)ETHER
16	C330 2-CHLOROPHENOL
17	c335 113-DICHLOROBENZENE
18	C340 1,4-DICHLOROBENZENE CCC
19	C345 BENZYL ALCOHOL
20	C350 1,2-DICHLOROBENZENE
21	C355 2-METHYLPHENOL
22	C360 BIS(2-CHLOROISOPROPYL)ETHER
23	C370 N-NITROSO-DI-N-PROPYLAMINE SPCC
24	C375 HEXACHLOROETHANE
25	C410 NITROBENZENE
26	C415 ISOPHORCINE
27	C420 3-NITROPHENOL CCC
28	C425 214-DIMETHYLPHENOL
29	C430 OENZUIC ACID
30	c435 BIS(2-CHLOROETHOXY)METHANE
31	C440 2,4-DICHLOROPHENOL CCC
32	C445 1121 4-TRICHLOROBENZENE
33	C450 NAPHTHALENE
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE CCC
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE SPCC
39	C515 21 41 6-TRICHLOROPHENOL CCC
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C535 DIMETHYL PHTHALATE
44	C540 ACENAPHTHYLENE
45	C543 21 6 DINITROTOLUENE
46	C545 3-NITROANILINE
47	C550 ACENAPHTHENE CCC

48 C555 2,4-DINITROPHENOL
49 C560 4-NITROPHENOL
50 C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	536	8:56	1	1.000	A BB	12191.	40.000 UG/L	0.94
2	136	727	12:07	2	1.000	A BB	46061.	40.000 UG/L	0.94
3	164	1000	16:40	3	1.000	A BB	24281.	40.000 UG/L	0.94
4	188	1229	20:29	4	1.000	A BB	35898.	40.000 UG/L	0.94
5	240	1646	27:26	5	1.000	A BB	26409.	40.000 UG/L	0.94
6	264	1932	32:12	6	1.000	A BB	24899.	40.000 UG/L	0.94
7	112	360	6:00	1	0.672	A BB	19798.	50.000 UG/L	.18
8	99	489	8:04	1	0.912	A BB	32254.	50.000 UG/L	.18
9	82	658	10:58	2	0.905	A BB	49211.	50.000 UG/L	.18
10	172	895	14:55	3	0.895	A BB	34133.	50.000 UG/L	.18
11	330	1123	18:43	3	1.123	A BB	3910.	50.000 UG/L	.18
12	244	1479	24:39	5	0.899	A BV	34211.	50.000 UG/L	.18
13	93	494	8:14	1	0.922	A BV	33815.	50.000 UG/L	.18
14	94	491	8:11	1	0.916	A BV	34865.	50.000 UG/L	.18
15	93	502	8:22	1	0.937	A VB	30733.	50.000 UG/L	.18
16	128	510	8:30	1	0.951	A BB	23693.	50.000 UG/L	.18
17	146	531	8:51	1	0.991	A BV	23496.	50.000 UG/L	.18
18	146	539	8:59	1	1.006	A VB	23648.	50.000 UG/L	.18
19	108	558	9:18	1	1.041	A BB	13207.	50.000 UG/L	.18
20	146	566	9:26	1	1.056	A BB	22273.	50.000 UG/L	.18
21	108	577	9:37	1	1.076	A BB	24232.	50.000 UG/L	.18
22	45	583	9:43	1	1.088	A BB	39461.	50.000 UG/L	.18
23	70	602	10:02	1	1.123	A BB	18264.	50.000 UG/L	.18
24	117	613	10:13	1	1.144	A BB	11049.	50.000 UG/L	.18
25	77	623	10:23	2	0.857	A BB	27202.	50.000 UG/L	.18
26	82	658	10:58	2	0.905	A BB	49211.	50.000 UG/L	.18
27	139	671	11:11	2	0.923	A BB	13005.	50.000 UG/L	.18
28	107	678	11:18	2	0.933	A BV	21771.	50.000 UG/L	.18
29	122	692	11:32	2	0.952	A VB	10078.	50.000 UG/L	.18
30	93	692	11:32	2	0.952	A BB	33589.	50.000 UG/L	.18
31	162	707	11:47	2	0.972	A BB	17087.	50.000 UG/L	.18
32	180	721	12:01	2	0.992	A BB	18251.	50.000 UG/L	.18
33	128	730	12:10	2	1.004	A BV	63917.	50.000 UG/L	.18
34	127	741	12:21	2	1.019	M XX	16388.	50.000 UG/L	.18
35	225	759	12:39	2	1.044	A BB	7759.	50.000 UG/L	.18
36	107	815	13:35	2	1.121	A BB	20756.	50.000 UG/L	.18
37	142	836	13:56	2	1.150	A BB	40382.	50.000 UG/L	.18
38	237	872	14:32	3	0.872	A BB	4978.	50.000 UG/L	.18
39	196	883	14:43	3	0.883	A BV	8857.	50.000 UG/L	.18
40	196	889	14:49	3	0.889	A VB	11707.	50.000 UG/L	.18
41	162	910	15:10	3	0.910	M XX	39332.	50.000 UG/L	.18
42	65	929	15:29	3	0.929	A BB	12154.	50.000 UG/L	.18
43	163	962	16:02	3	0.962	A BB	38686.	50.000 UG/L	.18
44	152	976	16:16	3	0.976	A BB	51438.	50.000 UG/L	.18
45	165	972	16:12	3	0.972	A BB	10194.	50.000 UG/L	.18
46	138	994	16:34	3	0.994	A BB	5565.	50.000 UG/L	.18
47	153	1005	16:45	3	1.005	A BB	32985.	50.000 UG/L	.18
48	184	1009	16:49	3	1.009	A BB	3918.	50.000 UG/L	.18
49	109	1021	17:01	3	1.021	A BV	2897.	50.000 UG/L	.18
50	168	1029	17:09	3	1.029	A BB	47626.	50.000 UG/L	.18

1	8:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:07	1.00	1.000	1.00	40.00	40.00	1.000	1.300	1.00
3	16:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:29	1.00	1.000	1.00	40.00	40.00	1.000	1.G00	1.00
5	27:2a	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:12	1.00	1.000	1.00	40.00	4G.00	1.000	1.000	1.00
7	6.00	1.00	0.672	1.00	50.00	5G.00	1.299	1.299	1.00
a	4.09	1.00	0.912	1.00	50.00	S0.00	2.117	2.117	1.00
3	10:58	1.00	0.305	1.00	50.00	50.00	0.855	0.855	1.00
10	14:55	1.00	0.a93	1.00	50.00	50.30	1.125	1.125	1.00
11	18:43	1.00	1.123	1.00	50.00	50.00	0.129	0.12[illegible]	1.00
12	24.39	1.00	0.899	1.00	50.00	50.00	1.036	1.036	1.00
13	a:14	1.00	0.922	1.00	50.00	50.00	2.219	2.219	1.00
14	8:11	1.00	0.316	1.G0	50.00	50.00	2.288	2.288	1.00
15	8:22	1.00	0.337	1.00	50.00	50.00	2.017	2.017	1.00
16	a:30	1.00	0.951	1.00	50.00	50.00	1.555	1.555	1.00
17	8:51	1.00	0.991	1.00	50.00	50.00	1.542	1.542	1.00
18	8:a9	1.00	1.006	1.00	50.00	50.00	1.552	1.552	1.00
19	3:18	1.00	1.041	1.00	50.00	50.00	0.867	0.867	1.00
70	9:26	1.00	1.056	1.00	50.00	50.00	1.462	1.462	1.00
21	9:'37	1.00	1.076	1.00	50.00	50.00	1.590	1.590	1.00
22	9:43	1.00	1.088	1.00	50.00	50.00	2.590	2.590	1.00
23	10:02	1.00	1.123	1.00	50.00	50.00	1.199	1.199	1.00
24	10:13	1.00	1.144	1.00	50.00	50.00	0.725	0.725	1.00
25	10:23	1.00	0.a57	1.00	50.00	50.00	0.472	0.472	1.00
26	10:58	1.00	0.905	1.00	50.00	50.00	0.855	0.855	1.00
27	11:11	1.00	0.923	1.00	50.00	50.00	0.226	0.226	1.00
28	11:18	1.00	0.333	1.00	50.00	50.00	0.378	0.378	1.00
a9	11:32	1.00	0.952	1.00	50.00	50.00	0.175	0.175	1.00
30	11:32	1.00	0.352	1.00	50.00	50.00	0.583	0.583	1.00
31	11:47	1.00	0.572	1.00	50.00	50.00	0.297	0.297	1.00
32	12:01	1.00	0.592	1.00	50.00	50.00	0.317	0.317	1.00
33	12:10	1.00	1.004	1.00	50.00	50.00	1.110	1.110	1.00
34	12:21	1.00	1.019	1.00	50.00	50.00	0.285	0.285	1.00
35	12:39	1.00	1.044	1.00	50.00	50.00	0.133	0.135	1.00
3a	13:35	1.00	1.121	1.00	50.00	50.00	0.360	0.360	1.00
37	13:56	1.00	1.150	1.00	50.00	50.00	0.701	0.701	1.00
38	14:32	1.00	0.872	1.00	50.00	50.00	0.164	0.164	1.00
39	14:43	1.00	0.883	1.00	50.00	30.00	0.292	0.292	1.00
40	14:49	1.00	0.889	1.00	50.00	50.00	0.386	0.386	1.00
41	15:10	1.00	0.910	1.00	50.00	50.00	1.296	1.296	1.00
42	15:[illegible]	1.G0	0.929	1.00	50..00	50.00	0.400	0.400	1.00
43	16:02	1.00	0.962	1.00	50.00	50.00	1.275	1.275	1.00
44	16:16	1.00	0.976	1.00	50.00	50.00	1.695	1.695	1.00
45	16:12	1.00	0.972	1.00	50.00	S0.00	0.336	0.336	1.00
44	16:34	1.00	0.994	1.00	50.00	S0.00	0.183	0.183	1.00
47	16:45	1.00	1.003	1.00	50.00	50.G0	1.087	1.087	1.00
48	16:49	1.00	1.009	1.00	50.00	50.00	0.129	0.129	1.00
49	17:01	1.00	1.021	1.00	50.00	50.00	0.095	0.095	1.00
50	17:09	1.00	1.029	1.00	50.00	50.00	1.569	1.569	1.00

Data. C4404048 11
04/04/91 10:55:00
Sample. APP9 50 2-133-C SAB
Conds.' 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4501 Weight. 0 000
Submitted by' ITAS-PIT Analyst. SAB Acct. No .

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac from average of the 1 closest data points in RL

NO	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLQROFHENYL-PHENYL ETHER
54	C590 FLUURENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE (DIPHENYLAMINE) CCC
58	C625 4-ORUMOPHENYL-PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 FENTACHLOROPHENOL CCC
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYL FHTHALATE
64	C655 FLUORANTHENE
65	C710 BENZIDINE
66	C715 PYRENE
67	C 20 BUTYLBENZYLPHTHALATE
48	C725 3,3'-DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C740 CHRYSENE
71	C745 BIS(2-ETHYLHEXYL) PHTHALATE
72	C760 DI-N-OCTYL PHTHALATE CCC
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE CCC
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZ(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	EP01 TOTAL (3 & 4 METHYL PHENOLS)
80	EP02 PYRIDINE
81	EP03 2,3,4,6-TETRACHLOROPHENOL
82	AP02 N-NITROSODIMETHYLAMINE
83	AP03 N-NITROSOMETHYLETHYLAMINE
84	AP04 2-PICOLINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1032	17:12	3	1.032	A BB	12436.	50.000 UG/L	1.18
52	149	1072	17:52	3	1.072	A BB	37748.	50.000 UG/L	1 18
53	204	1082	18:02	3	1.082	A BB	14718.	50.000 UG/L	1.18
54	166	1083	18:03	3	1.083	A BB	37858.	50.000 UG/L	1.18
55	138	1090	18:10	3	1.090	A VB	6476.	50.060 UG/L	1.18
56	198	1097	18:17	4	0.893	A BV	12693.	50.000UG/L	1.18
57	169	1101	18:21	4	0.896	A BE	44333.	100.000 UG/L	2.35
Sa	248	1158	19:18	4	0.942	A BB	9689.	50.000 UG/L	1.18
53	284	1182	19:42	4	0.962	A BB	9773.	50.000UG/L	1.19

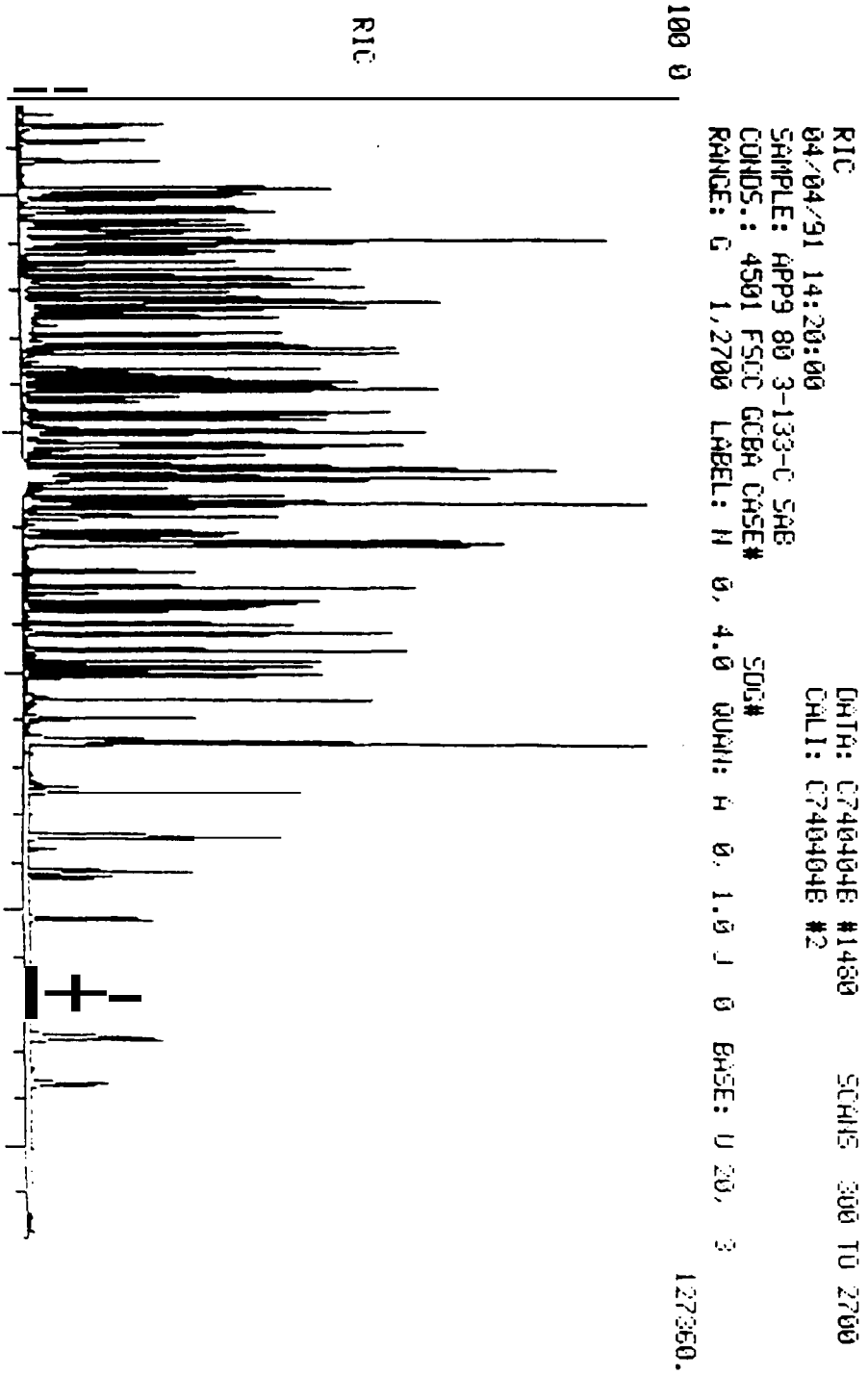
60	266	1209	20 09	4	0.984	A	BB	6157	50 000	UG/L	1	18
61	178	1233	20 33	4	1.003	A	BV	52267.	50 000	UG/L	1	18
62	178	1239	20.39	4	1.008	A	VB	47074.	50.000	UG/L	1	18
63	149	1325	22.05	4	1.078	A	BB	63572.	SO.000	UG/L	1	18
64	202	1420	23 40	4	1.155	A	BB	49579.	50.000	UG/L	1	13
65	184	1479	24 39	5	0.899	A	BB	390.	50 000	UG/L	I	13
66	202	1455	24 15	5	0.884	A	BB	51848.	50. 000	UG/L	1	18
67	149	1558	25 58	5	0.947	A	BB	26872.	SO. G00	UG/L	I	18
68	252	1539	27 19	5	0.996	A	BB	12112.	50. 030	UG/L	I	18
a3	228	la44	27 24	5	0.999	A	BV	42367	50 000	UG/L	1	13
7G	228	1650	27 30	5	1.002	A	VB	34955.	50.000	UG/L	1	18
71	14v	1651	27 31	5	1.003	A	BB	35849.	50 000	UG/L	I	18
72	149	1752	29 12	6	0.907	A	BB	55822.	50 000	UG/L	1	13
73	252	1842	30 42	6	0.953	A	BV	36608.	50. GOO	UG/L	I	13
74	252	1847	30 47	6	0.956	A	VB	39749.	50.000	UG/L	1	18
75	252	1519	31 53	6	0.993	A	BB	35594.	50 000	UG/L	1	18
76	276	2266	37 46	6	1.173	A	BB	33622.	50 000	UG/L	I	13
77	278	2269	37 49	6	1.174	A	BB	29131.	50.000	UG/L	1	18
78	276	2367	39 27	6	1.225	A	BB	31440.	50.000	UG/L	1	18
79	108	600	10 00	1	1.119	A	BB	40781.	100.GOO	UG/L	2	36
80	79	190	3 10	1	0.354	A	BB	21259.	50.000	UG/L	1	18
81	232	1055	17:35.	3	1.055	A	BB	8366.	50 000	UG/L	1	18
82	74	187	3:07	1	0.349	A	BB	16239.	50 000	UG/L	1	18
83	42	297	4:57	1	0.554	A	BB	13305.	50.G00	UG/L	1	18
84	93	262	4:42	1	0.526	A	BB	13700.	50.000	UG/L	1	18

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R Fac(L)	Ratio
51	17:12	1.00	1.032	1.00	50.00	50.00	0.410	0.410	1.00
52	17:52	1.00	1.072	1.00	50.00	SO.00	1.244	1.244	1.00
53	18:02	1.00	1.082	1.00	50.00	50.00	0.485	0.485	1.00
54	18:03	1.00	1.0a3	1.00	50.00	50.00	1.247	1.247	1.00
55	18:10	1.00	1.090	1.00	50.00	50.00	0.213	0.213	1.00
56	18:17	1.00	0.893	1.00	SO.00	50.00	0.283	0.283	1.00
57	18:21	1.30	0.896	1.00	100.00	100.00	0.494	0.494	1.00
58	19:18	1.00	0 942	1.00	50.00	50.00	0.216	0.216	1.00
53	19:42	1.00	0.962	1.00	50.00	50.00	0.218	0.218	1.00
60	20:09	1.00	0.384	1.00	50.00	50.00	0.137	0.137	1.00
61	20:33	1.00	1.003	1.00	50.00	50.00	1.165	1.165	1.00
62	20:39	1.00	1.008	1.00	50.00	50.00	1.049	1.049	1.00
63	22:05	1.00	1.078	1.00	50.00	50.00	1.417	1.417	1.00
64	23:40	1.00	1.153	1.00	50.00	50.00	1.105	1.105	1.00
65	24:39	1.00	(3.899	1.00	50.00	50.00	0.012	0.012	1.00
66	24:15	1.00	0.884	1.00	50.00	50.00	1.571	1.571	1.00
67	25:58	1.00	0.447	1.00	50.00	50.00	0.814	0.914	1.00
68	27:15	1.00	0.996	1.00	50.00	50.00	0.367	0.367	1.00
63	27:24	1.00	0.999	1.00	50.00	50.00	1.283	1.283	1.00
70	27:30	1.00	1.002	1.00	50.00	50.00	1.119	1.119	1.00
71	27:31	1.00	1.003	1.00	50.00	50.00	1.087	1.087	1.00
72	29:12	1.00	0.907	1.00	SO.00	50.00	1.794	1.794	1.00
73	30:42	1.00	0.953	1.00	50.00	50.00	1.176	1.176	1.00
74	30:47	1.00	0.956	1.00	50.00	50.00	1.277	1.277	1.00
75	31:59	1.00	0.993	1.00	SO.00	50.00	1.144	1.144	1.00
76	37:46	1.00	1.173	1.00	50.00	50.00	1.080	1.080	1.00
77	37:49	1.00	1.174	1.00	50.00	SO.00	0.936	0.936	1.00
78	39:27	1.00	1.223	1.00	50.00	50.00	1.010	1.010	1.00
79	10:00	1.00	1.119	1.00	100.00	100.00	1.338	1.338	1.00

3200614

80	3:10	1.00	0.354	1.00	50.00	50.00	[illegible]	[illegible]	[illegible]
81	17:35	1.00	1.055	1.00	50.00	50.00	0.276	0.276	1.00
82	3:07	1.00	0.349	1.00	50.00	50.00	1.065	1.065	1.00
83	4:57	1.00	0.554	1.00	50.00	50.00	0.873	0.873	1.00
84	4:42	1.00	0.526	1.00	50.00	50.00	0.899	0.899	1.00

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	535
N THALENE-D8	IS#2	AT	SCAN:	727
, APTHENE-D10	IS#3	AT	SCAN:	1000
PHENANTHRENE-D10	IS#4	AT	SCAN:	1229
CHRYSENE-D12	IS#5	AT	SCAN:	1647
PERYLENE-D12	IS#6	AT	SCAN.	1934
2-FLUOROPHENOL	SS#1	AT	SCAN:	0
PHENOL-D6	SS#2	AT	SCAN:	488
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	895
TRIBROMOPHENOL	SS#5	AT	SCAN:	1124
TERPHENYL-D14	SS#6	AT	SCAN.	1480



Data C7404048 TI
04/04/91 14 20 00
Sample. APP9 80 3-133-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL +10UL INT Instrument 4501 Weight 0 000
Submitted by: ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac from average of the 1 closest data points in RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-010 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD
6	CI75 PERYLENE-D12 INTERNAL STD
7	CS50 FLUOROPHENOL (SURROGATE)
a	CS45 PHENOL-D6 (SURROGATE)
9	CS20 NITROBENZENE-D5 (SURROGATE)
10	CS25 2-FLUOROBIPHENYL (SURROGATE)
11	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
12	CS30 TERPHENYL-D14
13	C320 ANILINE
14	C315 PHENOL CCC
15	C325 BIS(2-CHLOROETHYL)ETHER
16	C330 2-CHLOROPHENOL
17	c335 1,3-DICHLOROBENZENE
18	C340 1,4-DICHLOROBENZENE CCC
19	C345 BENZYL ALCOHOL
20	C350 1,2-DICHLOROBENZENE
21	C355 2-METHYLPHENOL
22	C350 BIS(2-CHLOROISOPROPYL)ETHER
23	C370 N-NITROSO-DI-N-PROPYLAMINE SPCC
24	C375 HEXACHLOROETHANE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL CCC
28	C425 2,4-DIMETHYLPHENOL
29	C430 DENZOIC ACID
30	c435 BIS(2-CHLOROETHOXY)METHANE
31	C440 2,4-DICHLOROPHENOL CCC
32	c445 1,2,4-TRXCHLOROBENZENE
33	C450 NAPHTHALENE
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROEUTADIENE CCC
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
33	C510 HEXACHLOROCYCLOPENTADIENE SPCC
39	C515 2,4,4-TRICHLOROPHENOL CCC
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLURONAPHTHALENE
42	C530 2-NITROANILINE
43	c535 DIMETHYL PHTHALATE
44	C540 ACENAPHTHYLENE
45	C543 2,6 DINITROTOLUENE
46	C545 3-NITROANILINE
47	C550 ACENAPHTHENE CCC

43 C555 2, 4-DINITROPHENOL
49 C560 4-NITROPHENOL
50 C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Moth	Area(Hght)	Amount	%Tar
1	152	535	8:55	1	1.000	A BB	10917	40.000 UG/L	0.50
3	136	727	12:07	2	1.000	A BB	43605	40.000 UG/L	0.50
3	144	1000	16:40	3	1.000	A OB	21922.	40.000 UG/L	0.50
3	188	1229	20:29	3	1.000	A BB	34327	40.000 UG/L	0.50
5	240	1647	27:27	5	1.000	A BB	24820.	40.000 UG/L	0.50
6	264	1934	32.14	4	1.000	A BB	22517.	40.000 UG/L	0.50
7	112	355	5.59	1	0.671	A BB	27599.	80.000 UG/L	1.20
a	99	488	a:08	1	0.912	A BB	44554.	80.000 UG/L	1.20
9	82	658	10:58	2	0.905	A BB	66424.	80.000 UG/L	1.20
10	172	835	14:55	3	0.895	A BB	44497.	80.000 UG/L	1.20
11	330	1123	18:43	3	1.123	A BB	5638.	80.000 UG/L	1.20
12	244	1480	24:40	5	0.899	A BV	47.249.	80.000 UG/L	1.20
13	93	4s3	6:13	1	0.921	A BV	48038.	80.000 UG/L	1.20
14	94	430	8:10	1	0.916	A BV	48481.	80.000 UG/L	1.20
15	93	501	8:21	1	0.936	A VB	40495.	80.000 UG/L	1.20
16	128	509	8:29	1	0.951	A BB	32327.	80.000 UG/L	1.20
17	144	530	8:50	1	0.991	A BV	31134.	80.000 UG/L	1.20
18	146	538	8:58	1	1.006	A VB	32143.	80.000 UG/L	1.20
13	106	558	9:18	1	1.043	A BB	19682.	80.000 UG/L	1.20
20	146	565	9:25	1	1.056	A BB	30195.	80.000 UG/L	1.20
21	108	577	9:37	1	1.079	A BB	33859.	80.000 UG/L	1.20
22	45	582	9:42	1	1.088	A BB	53230.	80.000 UG/L	1.20
23	70	603	10:03	1	1.127	A BB	24941.	80.000 UG/L	1.20
24	117	612	10:12	1	1.144	A BB	15168.	80.000 UG/L	1.20
25	77	623	10:23	2	0.857	A BB	36664.	80.000 UG/L	1.20
26	82	658	10:58	2	0.905	A BB	66424.	80.000 UG/L	1.20
27	139	671	11:11	2	0.923	A BV	16706.	80.000 UG/L	1.20
26	107	678	11:18	2	0.933	A BB	29182.	80.000 UG/L	1.20
23	122	433	11 33	2	0.953	A VB	9809.	80.000 UG/L	1.20
30	33	692	11:32	2	0.952	A BB	46409.	80.000 UG/L	1.20
31	162	707	11:47	2	0.972	A BB	23385.	80.000 UG/L	1.20
32	180	721	12:01	2	0.992	A BB	23966.	80.000 UG/L	1.20
33	128	730	12:10	2	1.004	A BV	84346.	90.000 UG/L	1.20
34	127	740	12:20	2	1.018	A VB	25335.	80.000 UG/L	1.20
35	225	759	12:39	2	1.044	A BB	10166.	80.000 UG/L	1.20
36	107	815	13:35	2	1.121	A BB	27073.	80.000 UG/L	1.20
37	142	836	13:56	2	1.150	A BB	54613.	80.000 UG/L	1.20
36	237	672	14.32	3	0.872	A BB	6649.	80.000 UG/L	1.20
39	134	883	14:43	3	0.883	A BV	12165.	80.000 UG/L	1.20
40	196	889	14.49	3	0.889	A VV	16250.	80.000 UGI'L	1.20
41	162	910	15:10	3	0.910	A VV	51386.	80.000 UG/L	1.20
42	as	930	15:30	3	0.930	A BB	18855.	80.000 UG/L	1.20
43	163	963	16:03	3	0.963	A BB	31505.	80.000 UG/L	1.20
44	152	976	16:16	3	0.976	A BB	68783.	80.000 UG/L	1.20
45	165	372	16:12	3	0.972	A BB	14177.	80.000 UG/L	1.20
36	138	993	16:33	3	0.993	A BV	9770.	80.000 UG/L	1.20
47	153	1005	16:45	3	1.005	A BB	43637.	80.000 UG/L	1.20
48	184	1009	16:49	3	1.009	A BB	6310.	80.000 UG/L	1.20
49	109	1022	17.02	3	1.022	A BV	3464.	80.000 UG/L	1.20
50	168	1029	17:09	3	1.029	A BB	63845.	80.000 UG/L	1.20

1	8:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:07	1.00	1.000	1.00	40.00	40.(30	1.000	1.000	1.00
3	16:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	32:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	4 00	1.00	0.472	1.00	80.00	80.00	1.264	1.264	1.00
4	8 09	1.00	0.912	1.00	a0.00	a.9. Po	2.041	2.041	1.00
3	10.58	1.00	0.905	1.00	80.00	59.00	0.762	0.762	1.00
10	14.55	1.00	0.895	1.00	80.00	80.00	1.019	1.019	1.00
11	18:43	1.00	1.123	1.00	80.00	80.00	0.129	0.129	1.00
12	24:33	1.00	0.899	1.00	80.00	80.00	0.952	0.952	1.00
13	8:14	1.00	0.922	1.00	80.00	80.00	2.200	2.200	1.00
14	a:11	1.00	0.916	1.00	80.00	80.G0	2.220	2.220	1.00
15	8:22	1.00	0.937	1.00	80.00	80.00	1.955	1.855	1.00
16	a:30	1.00	0.951	1.00	80.00	80.G0	1.481	1.481	1.00
17	8:51	1.00	0.991	1.00	80.00	80.00	1.325	1.426	1.00
14	8:59	1.00	1.006	1.00	80.00	80.G0	1.372	1.472	1.00
19	9:18	1.00	1.041	1.00	80.00	SO.00	0.901	0.901	1.00
20	9:26	1.00	i.056	1.00	80.00	80.00	1.383	1.383	1.00
21	9:'37	1.00	1.076	1.00	80.00	80.00	1.551	1.5.51	1.00
22	0:43	1.00	1.088	1.00	80.00	BO.00	2.438	2.438	1.00
23	10:02	1.00	1.123	1.00	80.00	SO.00	1.143	1.143	1.00
24	10:1.3	1.00	1.144	1.00	80.00	SO.00	0.695	0.695	1.00
25	10:23	1.00	0.557	1.00	80.00	e0.G0	0.421	0.421	1.00
26	10:58	1.00	0.905	1.00	80.00	a0.00	0.762	0.762	1.00
27	11:11	1.00	0 923	1.00	80 00	50.00	0.192	0.192	1.00
28	11:18	1.00	0.933	1.00	80.00	SO.00	0.335	0.335	1.00
29	11:32	1.00	0.952	1.00	80.00	80.00	0.112	0.112	1.00
30	11:32	1.00	0.952	1.00	80.00	80.G0	0.532	0.532	1.00
31	11:47	1.00	0.972	1.00	80.00	80.00	0.268	0.268	1.00
32	12:01	1.00	0.992	1.00	80.00	80.00	0.275	0.275	1.00
33	12:10	1.00	1.004	1.00	80.00	80.00	0.967	0.967	1.00
33	12:21	1.00	1.019	1.00	80.00	SO.00	0.291	0.291	1.00
33	12:39	1.00	1.(344	1.00	80.00	80.00	0.117	0.117	1.00
34	13:35	1.00	1.121	1.00	80.00	80.00	0.310	0 310	1.00
37	13:56	1.00	1.150	1.00	80.00	80.00	0.626	0.626	1.00
39	14:32	1.00	0.872	1.00	80.00	90.00	0.152	0.152	1.00
39	14:43	1.00	0.Y83	1.00	80.00	80.00	0.277	0.277	1.00
40	14:49	1.00	0.889	1.00	80.00	80.G0	0.371	0.371	1.00
41	15:10	1.00	0.910	1.00	80.00	80.00	1.172	1.172	1.00
42	15:29	1.00	0.929	1.00	80.00	80.00	0.430	3.430	1.00
43	16:02	1.00	0.962	1.00	80.00	80.00	1.175	1.175	1.00
43	16:16	1.00	0.976	1.00	80.00	00.00	1.569	1.569	1.00
45	14:12	1.00	0.972	1.00	80.00	80.00	0.323	0.323	1.00
46	16:34	1.00	0.994	1.00	80.00	80.G0	0.223	0.223	1.00
47	16:45	1.00	1.005	1.00	e0.00	80.00	0.993	0.995	1.00
44	16:49	1.00	1.009	1.00	80.00	BO.00	0.148	0.148	1.00
49	17:31	1.00	1.021	1.00	80.00	80.00	0.079	0.079	1.00
50	17:03	1.00	1.029	1.00	E0.00	E0.00	1.456	1.456	1.00

Data: C740404B.TI
04/04/91 14:20:00
Sample: APP9 80 3-133-C SAB
Conds.: 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4501 Weight: 0.000
Submitted by: ITAS-PIT Analyst: SAB Acct. No.

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in RL

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL-PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE (DIPHENYLAMINE) CCC
58	C625 4-BROMOPHENYL-PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL CCC
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYL PHTHALATE
64	C655 FLUOHANTHENE
65	C710 BENZIDINE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	c725 3,3'-DICHLOROBENZIDINE
63	C730 BENZO(A)ANTHRACENE
70	C740 CHRYSENE
71	C745 BIS(2-ETHYLHEXYL) PHTHALATE
72	C760 DI-N-OCTYL PHTHALATE CCC
73	c745 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE CCC
74	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZ(A,H)ANTHRACENE
73	C790 BENZO(G,H,I)PERYLENE
79	EP01 TOTAL (3 & 4 METHYL PHENOLS)
80	EP02 PYRIDINE
81	EP03 2,3,4,6-TETRACHLOROPHENOL
82	AP02 N-NITROSODIMETHYLAMINE
93	AP03 N-NITROSOMETHYLETHYLAMINE
84	AP04 2-PICOLINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1032	17:12	3	1.032	A BO	19107.	80.000 UG/L	1.20
52	149	1073	17:53	3	1.073	A DB	50581.	80.000 UG/L	1.20
53	204	1082	18:02	3	1.082	A BB	18653.	80.000 UG/L	1.20
54	166	1084	18:04	3	1.084	A BB	48289.	80.000 UG/L	1.20
55	138	1090	18:10	3	1.090	A VB	9566.	80.000 UG/L	1.20
56	198	1097	18:17	4	0.893	A BV	19430.	80.000 UG/L	1.20
57	169	1102	18:22	4	0.897	A BB	59234.	160.000 UG/L	2.41
58	248	1158	19:18	4	0.942	A BB	13043.	80.000 UG/L	1.20
59	284	1183	19:43	4	0.963	A BB	12345.	80.000 UG/L	1.20

3200617

60	266	1209	20	09	4	0.984	A	BB	9278.	EO.000	UG/L
61	178	1233	20	33	4	1.003	A	BV	67770.	80.000	UG/L
42	178	1240	20	40	4	1.009	A	VB	68394.	80.000	UG/L
63	149	1326	22	06	4	1.079	A	BB	84856.	EO.000	UG/L
44	202	1421	23	41	4	1.156	A	BB	66875.	80.000	UG/L
45	184	1480	24	40	5	0.E99	A	BB	522	EO.000	UG/L
66	202	1455	24	16	5	0.884	A	BB	71340	80.000	UG/L
67	149	1559	25	59	5	0.947	A	VB	37204.	30.000	UG/L
68	252	1639	27	19	5	0.995	A	BB	15908.	80.000	UG/L
69	228	1645	27	25	5	0.999	A	BV	55249.	SO.000	UG/L
70	228	1651	27	31	5	1.002	A	VV	44355.	80.000	UG/L
71	!49	1651	27	31	5	1.002	A	VB	50447.	EO.000	UG/L
72	143	1753	23	13	6	0.306	A	BB	77109	80.000	UG/L
73	252	1844	30	44	6	0.953	A	BV	54542.	EO.GOO	UG/L
74	252	1949	30	49	6	0.956	A	VB	46282.	e0.000	UG/L
75	252	1921	32	01	6	0.993	A	BB	47432.	EO.000	UG/L
74	276	2268	37	48	4	1.173	A	BB	45627.	SO.000	UG/L
77	278	2275	37	55	6	1.176	A	BB	39734.	EO.000	UG/L
78	276	2370	33	30	6	1.225	A	BB	39777.	80.000	UG/L
79	108	599	9	59	1	1.120	M	XX	49084.	160.000	UG/L
80	79	187	3	07	i	0.350	A	BB	29074.	EO.000	UG/L
81	232	1055	17	35	3	1.055	A	BB	12041.	80.000	UG/L
92	74	184	3	04	1	0.344	A	BB	23171.	EO.000	UG/L
63	42	294	4	54	1	0.550	A	BB	18179.	80.000	UG/L
84	33	279	4	39	1	0.521	A	BB	18975.	80.000	UG/L

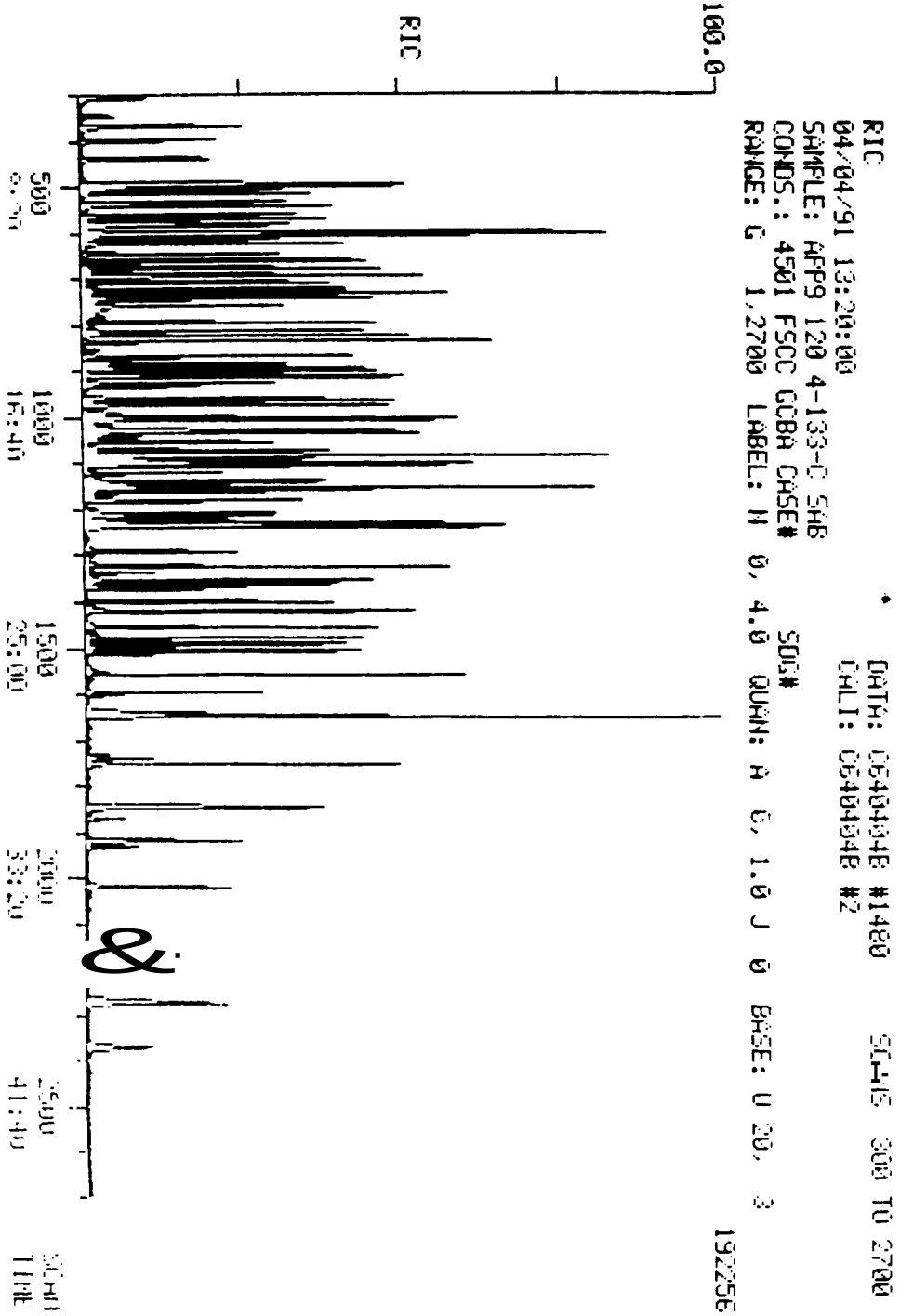
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R Fac(L)	Ratio
51	17:12	1.00	1.032	1.00	80.00	80.00	0.413	0.413	1.00
52	17:52	1.00	1.072	1.00	80.00	EO.00	1.154	1.154	1.00
53	18:02	1.00	1.082	1.00	80.00	90.00	0.423	0.425	1.00
54	18:03	1.00	1.083	1.00	EO.00	80.00	1.101	1.101	1.00
55	18:10	1.00	1.090	1.00	EO.00	80.00	0.218	0.218	1.00
36	18:17	1.00	0.893	1.00	80.00	80.00	0.283	0.283	1.00
57	18:21	1.00	0.896	1.00	160.00	160.GO	0.431	0.431	1.00
58	19:18	1.00	0.942	1.00	80.00	80.00	0.190	0.190	1.00
59	19:42	1.00	0.962	1.00	80.00	80.00	0.180	0.180	1.00
60	20:09	1.30	0.394	1.00	80.00	80.00	0.135	0.135	1.00
61	20:33	1.00	1.003	1.00	80.00	80.00	0.987	0.997	1.00
62	20:.39	1.00	1.008	1.00	80.00	80.00	0.996	0.996	1.00
43	22:05	1.00	1.078	1.00	80.00	90.00	1.236	1.236	1.00
64	23:40	1.00	1.155	1.00	80.00	80.00	0.974	0.974	1.00
45	24:39	1.00	0.899	1.00	80.00	80.00	0.011	0.011	1.00
66	24:15	1.00	0.884	1.00	80.00	80.00	1.437	1.437	1.00
47	25:58	1.00	0.947	1.00	80.00	SO.00	0.749	0.749	1.00
68	27:19	1.00	0.996	1.00	80.00	80.00	0.320	0.320	1.00
63	27:24	1.00	0.999	1.00	80.00	80.00	1.113	1.113	1.00
70	27:30	1.00	1.002	1.00	80.00	EO.00	0.934	0.934	1.00
71	27:31	1.00	1.003	1.00	80.00	SO.00	1.016	1.016	1.00
72	23:12	1.00	0.907	1.00	80.00	80.00	1.712	1.712	1.00
73	30:42	1.00	0.353	1.00	EO.00	80.00	1.213	1.213	1.00
74	30:47	1.00	0.956	1.00	80.00	80.00	1.028	1.028	1.00
75	31:59	1.00	0.993	1.00	80.00	80.00	1.053	1.053	1.00
76	37:46	1.00	1.173	1.00	80.00	80.00	1.013	1.013	1.00
77	37:49	1.00	1.174	1.00	80.00	80.00	0.882	0.882	1.00
78	39:27	1.00	1.225	1.00	80.00	80.00	0.883	0.883	1.00
79	10:00	1.00	1.119	1.00	160.00	160.00	1.124	1.124	1.00

80	3:10	0.98	0.354	0.99	80.00	80.00	1.332	1.332	1.00
81	17:35	1.00	1.055	1.00	80.00	80.00	0.275	0.275	1.00
82	3:07	0.98	0.349	0.99	80.00	80.00	1.061	1.061	1.00
83	4:57	0.99	0.554	0.99	80.00	80.00	0.833	0.933	1.00
84	4:42	0.99	0.526	0.99	80.00	80.00	0.869	0.869	1.00

440062

3200618

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	541
NAPHTHALENE-D8	IS#2	AT	SCAN:	729
ACENAPTHENE-D10	IS#3	AT	SCAN:	1001
PHENANTHRENE-D10	IS#4	AT	SCAN:	1230
CHRYSENE-D12	IS#5	AT	SCAN:	1647
PERYLENE-D12	IS#6	AT	SCAN:	1933
2-FLUOROPHENOL	SS#1	AT	SCAN:	0
PHENOL-D6	SS#2	AT	SCAN:	496
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUOFOBIPHENYL	SS#4	AT	SCAN:	897
TRIBROMOPHENOL	SS#5	AT	SCAN:	1124
TERPHENYL-D14	SS#6	AT	SCAN:	1480



Data: C6404048.TI
04/04/91 13 20:00
Sample APP9 120 4-133-C SAD
Conds 4501 FSCC GCBA CASE# SDG#
Formula 10L +10UL INT Instrument 4501 Weight 0 000
Submitted by ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac from average of the 1 closest data points in RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
3	CI60 PHENANTHRENE-D10 INTERNAL STD
5	Cr70 CHRYSENE-D12 INTERNAL STD.
6	CI75 PERYLENE-D12 INTERNAL STD
7	CS50 FLUOROPHENOL (SURROGATE)
8	CS45 PHENOL-D6 (SURROGATE)
9	CS20 NITROBENZENE-D5 (SURROGATE)
10	CS25 2-FLUOROBIPHENYL (SURROGATE)
11	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
12	CS30 TERPHENYL-D14
13	C320 ANILINE
14	C315 PHENOL CCC
15	C325 BIS(2-CHLOROETHYL)ETHER
16	C330 2-CHLOROPHENOL
17	C335 1,3-DICHLOROBENZENE
18	C340 1,4-DICHLOROBENZENE CCC
19	C345 BENZYL ALCOHOL
20	C350 1,2-DICHLOROBENZENE
21	C355 2-METHYLPHENOL
22	C360 BIS(2-CHLOROISOPROPYL)ETHER
23	C370 N-NITROSO-DI-N-PROPYLAMINE SPCC
24	C375 HEXACHLOROETHANE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL CCC
28	C425 2,4-DIMETHYLPHENOL
29	C430 BENZOIC ACID
30	C435 BIS(2-CHLOROETHOXY)METHANE
31	C440 2,4-DICHLOROPHENOL CCC
32	C445 1,214-TRICHLOROBENZENE
:33	C450 NAPHTHALENE
34	C455 4-CHLOROANILINE
35	C460 HEXACHLORQEUTADIENE CCC
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE SPCC
35'	C515 2,4,6-TRICHLOROPHENOL CCC
40	C520 2,415-TRICHLUROPHENOL
41	C525 2-CHLURONAPHTHALENE
42	C530 2-NITROANILINE
43	C535 DIMETHYL PHTHALATE
44	CS40 ACENAPHTHYLENE
45	C543 2,6 DINITROTOLUENE
46	C545 3-NITROANILINE
47	C550 ACENAPHTHENE CCC

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

No	m/z	Scan	Time	fief	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	541	9.01	1	1.000	A BB	12670	40.000 UG/L	0.41
2	136	729	12:09	3	1.000	A BB	49837	40.000 UG/L	0.41
3	164	1001	16:41	3	1.000	A BB	25283	4G.C00 UG/L	0.41
4	188	1230	20:30	4	1.000	A BB	40021	40.000 UG/L	0.41
5	240	1647	27.27	5	1.000	A VB	24345.	4G.000 UG/L	0.41
6	264	1933	32.13	6	1.GOO	A BB	26569	40.000 UG/L	0.41
7	112	371	6.11	1	0.686	A BB	44973	120.000 UG/L	1.22
8	99	435	5:15	1	0.915	A BB	72491	120.OGC, UG/L	1.22
9	82	662	11.02	2	0.908	A BB	106894.	120.000 UG/L	1.22
10	172	897	14:57	3	0.696	A BB	71216.	120.000 UG/L	1.22
11	330	1124	18:44	3	1.123	A BB	9540.	120.000 UG/L	1.22
12	244	1480	24:40	5	0.899	A BV	70013.	120.000 UG/L	1.22
13	53	439	9:13	1	0.922	A BV	81891.	120.000 UG/L	1.22
14	94	497	8:17	1	0.919	A BV	76146.	120.000 UG/L	1.22
15	93	508	a:28	1	0.939	A VV	62197.	120.000 UG/L	1.22
16	128	516	8:36	1	0.954	A BB	53107.	120.000 UG/L	1.22
17	144	534	8:56	1	0.991	A BV	50603.	120.000 UG/L	1.22
18	14a	544	9:04	1	1.006	A VB	50272.	120.000 UG/L	1.22
19	10B	563	9.23	1	1.041	A BB	33015.	120.000 UG/L	1.22
20	146	570	9:30	1	1.0S4	A BB	49624.	120.0G0 UG/L	1.22
21	108	582	9:42	1	1.076	A BB	56052.	120.000 UG/L	1.22
22	45	587	3.47	1	1.085	A BB	87112.	120.000 UG/L	1.22
23	70	607	10:07	1	1.122	A BB	41036.	120.000 UG/L	1.22
24	117	416	10:16	1	1.139	A BB	24006.	120.000 UG/L	1.22
25	77	627	10:27	3	0.860	A BV	58954.	120.000 UG/L	1.22
26	82	662	11:02	2	0.908	A BB	106894.	120.000 UG/L	1.22
27	139	474	11:14	2	0.925	A BB	27146.	120.000 UG/L	1.22
28	107	681	11.21	2	0.934	A BB	46653.	120.000 UG/L	1.22
29	122	697	11:37	2	0.956	A VB	15087.	120.000 UG/L	1.22
30	93	694	11:34	2	0.952	A BB	75181.	120.000 UG/L	1.22
31	162	710	11:50	a	0.974	A BB	38280.	120.000 UG/L	1.22
32	180	723	12:03	a	0.992	A BB	36790.	120.000 UG/L	1.22
33	128	732	12:12	2	1.004	A BV	117192.	120.000 UG/L	1.22
34	127	742	12:22	2	1.018	A VB	58421.	120.000 UG/L	1.22
3%	225	761	12:41	2	1.044	A BB	16546.	120.000 UG/L	1.22
34	107	616	1'336	2	1.119	A BB	47838.	120.000 UG/L	1.22
37	142	838	13:58	2	1.150	A BB	70783.	120.000 UG/L	1.22
38	237	874	14:34	3	0.e73	A BB	9145.	120.000 UG/L	1.22
39	196	884	14:44	3	0.883	A BV	20563.	120.000 UG/L	1.22
40	196	891	14:51	3	0.890	A VB	26333.	120.000 UG/L	1.22
41	162	312	15:12	3	0.911	M XX	84619.	120.000 UG/L	1.22
42	a5	331	13:31	3	0.930	A BB	31350.	120.000 UG/L	1.22
43	163	364	16:04	3	0.963	A BV	84837.	120.000 UG/L	1.22
43	152	977	16:17	3	0.976	A BB	102515.	120.000 UG/L	1.22
45	165	373	16:13	3	0.972	M XX	24514.	120.000 UG/L	1.22
46	138	995	16:33	3	0.994	A BV	17543.	120.000 UG/L	1.22
47	153	1006	16:46	3	1.005	A BB	61472.	120.000 UG/L	1.22
48	184	1010	16:50	3	1.009	A BB	11318.	120.000 UG/L	1.22
49	109	1024	17:04	3	1.023	A VV	6622.	120.000 UG/L	1.22
50	168	1031	17:11	3	1.030	A BB	103519.	120.000 UG/L	1.22

000066

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:55	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:13	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:52	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:45	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:50	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:37	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:48	1.07	0.650	1.05	120.00	120.00	1.236	1.236	1.00
8	8:06	1.02	0.908	1.01	120.00	120.00	1.912	1.912	1.00
9	11:03	1.00	0.905	1.00	120.00	120.00	0.715	0.715	1.00
10	15:06	0.99	3.895	1.00	120.00	120.00	0.903	0.903	1.00
11	18:58	0.99	1.125	1.00	120.00	120.00	0.121	0.121	1.00
12	24:59	0.99	0.898	1.00	120.00	120.00	0.885	0.885	1.00
13	8:10	1.02	0.916	1.01	120.00	120.00	2.134	2.154	1.00
14	8:08	1.02	0.912	1.01	120.00	120.00	2.003	2.003	1.00
15	8:19	1.02	0.933	1.01	120.00	120.00	1.636	1.636	1.00
16	8:28	1.02	0.950	1.00	120.00	120.00	1.397	1.397	1.00
17	8:50	1.01	0.991	1.00	120.00	120.00	1.331	1.331	1.00
18	8:58	1.01	1.006	1.00	120.00	120.00	1.323	1.323	1.00
19	9:19	1.01	1.045	1.00	120.00	120.00	0.869	0.869	1.00
20	9:26	1.01	1.058	1.00	120.00	120.00	1.306	1.306	1.00
21	9:39	1.01	1.082	0.39	120.00	120.00	1.475	1.475	1.00
22	9:44	1.01	1.092	0.99	120.00	126.00	2.292	2.292	1.00
23	10:06	1.00	1.133	0.99	120.00	120.00	1.080	1.080	1.00
24	10:15	1.00	1.150	0.99	120.00	120.00	0.632	0.432	1.00
25	10:26	1.00	0.854	1.01	120.00	120.00	0.394	0.394	1.00
26	11:03	1.00	0.905	1.00	120.00	120.00	0.715	0.715	1.00
27	11:16	1.00	0.922	1.00	120.00	120.00	0.182	0.182	1.00
28	11:24	1.00	0.333	1.00	120.00	120.00	0.312	0.312	1.00
29	11:40	1.00	0.955	1.00	120.00	120.00	0.101	0.101	1.00
30	11:38	0.99	0.952	1.00	120.00	120.00	0.503	0.503	1.00
31	11:53	1.00	0.973	1.00	120.00	120.00	0.256	0.256	1.00
32	12:07	0.99	0.992	1.00	120.00	120.00	0.246	0.245	1.00
33	12:16	0.99	1.004	1.00	120.00	120.00	0.784	0.784	1.00
34	12:27	0.99	1.019	1.00	120.00	120.00	0.391	0.391	1.00
35	12:46	0.99	1.045	1.00	120.00	120.00	0.111	0.111	1.00
36	13:44	0.99	1.124	1.00	120.00	120.00	0.320	0.320	1.00
37	14:05	0.99	1.153	1.00	120.00	120.00	0.473	0.473	1.00
38	14:41	0.99	0.871	1.00	120.00	120.00	0.116	0.116	1.00
39	14:53	0.99	0.882	1.00	120.00	120.00	0.261	0.261	1.00
40	14:59	0.99	0.888	1.00	120.00	120.00	0.334	0.334	1.00
41	15:21	0.99	0.910	1.00	120.00	120.00	1.073	1.073	1.00
42	15:40	0.99	0.929	1.00	120.00	120.00	0.398	0.398	1.00
43	16:14	0.99	a.962	1.00	120.00	120.00	1.076	1.076	1.00
44	16:27	0.99	0.975	1.00	120.00	120.00	1.300	1.300	1.00
45	16:24	0.99	0.972	1.00	120.00	120.00	0.311	0.311	1.00
46	16:45	0.99	0.993	1.00	120.00	120.00	0.222	0.222	1.00
47	16:57	0.99	1.005	1.00	120.00	120.00	0.779	0.779	1.00
48	17:02	0.99	1.010	1.00	120.00	120.00	0.144	0.144	1.00
49	17:15	0.99	1.023	1.00	120.00	120.00	0.084	0.084	1.00
50	17:22	0.99	1.030	1.00	120.00	120.00	1.313	1.313	1.00

3200630

Data C640404B TI
04/04/91 13:20:00
Sample. APP9 120 4-133-C SAB
Conds 4501 FSCC GCBA CASE# SDGW
Formula 1UL +10UL INT Instrument. 4501 Weight 0 000
'ubmitted by ITAS- PIT Ana 1yst SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in RL

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROFHENY'L-PHENYL ETHER
54	C590 FLUORENE
55	C595 3-NITPOANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITPOSODIFHENYLAMINE (DIPHENYLAMINE) CCC
58	C625 4-BRUMOPHENYL-PHENYL ETHER
53	C4.2 HEXACHLUMOBENZENE
60	C635 PENTACHLOROPHENOL CCC
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYL PHTHALATE
64	C655 FLUORANTHENE
65	C710 BENZIDINE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3'-D CHLOROBENZ D NE
69	C730 BENZO(A)ANTHRACENE
70	C740 CHRYSENE
71	C745 BIS(2-ETHYLHEXYL) PHTHALATE
72	C760 DI-N-OCTYL PHTHALATE CCC
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE CCC
74	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZ(A,H)ANTHRACENE
78	C790 BENZO(G,Hi I)PERYLENE
79	EP01 TOTAL (3 & 4 METHYL PHENOLS)
a0	EP02 PYRIDINE
81	EP03 2,3,4,6-TETRACHLOROPHENOL
82	AP02 N-NITROSODIMETHYLAMINE
83	AP03 N-N TROSOMETHYLETHYLAMINE
a4	AP04 2-PICOLINE

Nu	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1034	17:14	3	1.033	A BB	28474.	120.000 UG/L	1.22
52	149	1073	17:53	3	1.072	A BV	88216.	120.000 UG/L	1.22
53	204	1063	18:03	3	1.082	A BB	26775.	120.000 UG/L	1 22
54	166	1085	18:05	3	1.084	A BB	62857.	120.000 UG/L	1 22
55	138	1092	18:12	3	1.091	A VV	8891.	120.000 UG/L	1.22
56	198	1098	18:18	4	0.593	A BV	33976.	120.000 UG/L	1.22
57	169	1103	18:23	4	0.897	A BB	94662.	240.000 UG/L	2.44
58	248	1159	19:19	4	0.942	A BB	20166.	120.000 UG/L	1.22
59	284	1163	19:43	4	0.962	A BB	19232.	120.000 UG/L	1.22

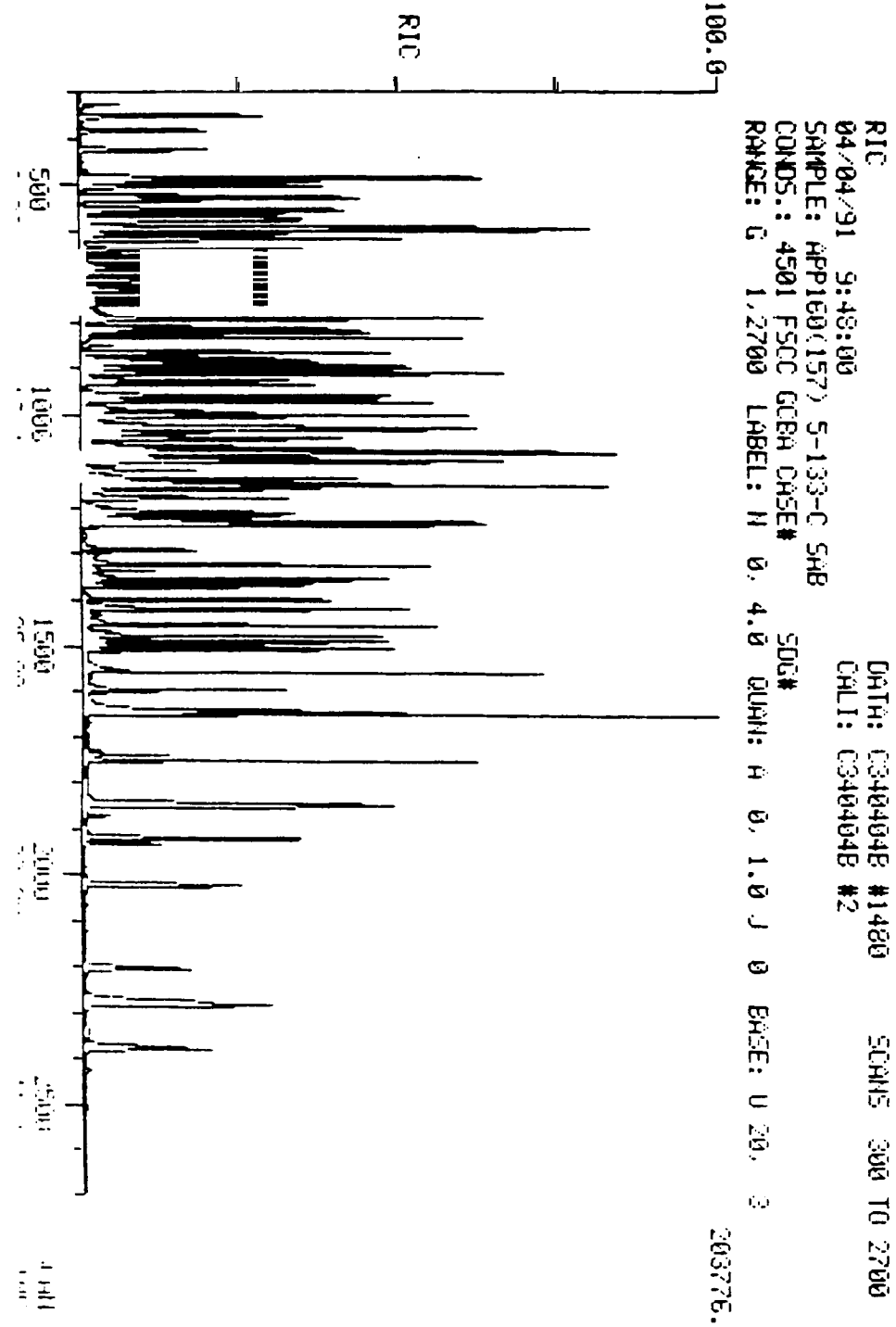
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	
60	266	1210	20:10	4	0.984	A BV	15913.	120.000 UG/L	1.22
61	178	1234	20:34	4	1.003	A BV	101289.	120.000 UG/L	1.22
62	178	1241	20:41	4	1.009	A VB	89459.	120.000 UG/L	1.22
63	149	1326	22:06	4	1.078	A BB	130572	120.000 UG/L	1.22
64	202	1421	23:41	4	1.155	A BB	97739	120.000 UG/L	1.22
65	184	1480	24:40	5	0.899	A BB	887	120.000 UG/L	1.22
66	202	1456	24:14	5	0.884	A BB	107205.	120.000 UG/L	1.22
67	149	1559	25:59	5	0.947	A BB	60945	120.000 UG/L	1.22
68	252	1639	27:13	5	0.995	A BB	23947	120.000 UG/L	1.22
69	228	1645	27:25	5	0.999	A BV	80365	120.000 UG/L	1.22
70	228	1651	27:31	5	1.002	A VB	57588.	120.000 UG/L	1.22
71	149	1651	27:31	5	1.002	A BB	75920.	120.000 UG/L	1.22
72	149	1753	29:13	6	0.907	A VB	128323.	120.000 UG/L	1.22
73	252	1844	30:34	6	0.954	A VV	77931.	120.000 UG/L	1.22
74	252	1850	30:50	6	0.957	A VB	69897.	120.000 UG/L	1.22
75	252	1921	32:01	6	0.994	A BB	75313.	120.000 UG/L	1.22
76	276	2269	37:49	6	1.174	A BB	75983.	120.000 UG/L	1.22
77	278	2276	37:56	6	1.177	A BB	61915.	120.000 UG/L	1.22
78	276	2349	39:23	4	1.226	A BB	65281.	120.000 UG/L	1.22
79	108	404	10:04	1	1.116	A BB	77837.	240.000 UG/L	2.44
80	79	207	3:27	1	0.383	A BB	49792.	120.000 UG/L	1.22
81	232	1056	17:36	3	1.055	A BB	21519.	120.000 UG/L	1.22
82	74	204	3:24	1	0.377	A BB	40702.	120.000 UG/L	1.22
83	42	310	5:10	1	0.573	A BB	30923.	120.000 UG/L	1.22
84	93	295	4:5.5	1	0.54s	A BB	33132.	120.000 UG/L	1.22

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R Fac(L)	Ratio
51	17:26	0.99	1.034	1.00	120.00	120.00	0.361	0.361	1.00
52	18:07	0.99	1.074	1.00	120.00	120.00	1.119	1.119	1.00
53	18:16	0.99	1.083	1.00	120.00	120.00	0.339	0.339	1.00
54	18:17	0.99	1.084	1.00	120.00	120.00	0.797	0.797	1.00
55	18:24	0.99	1.091	1.00	120.00	120.00	0.113	0.113	1.00
56	18:31	0.99	0.892	1.00	120.00	120.00	0.283	0.283	1.00
57	18:36	0.99	0.896	1.00	240.00	240.00	0.394	0.394	1.00
58	19:33	0.99	0.942	1.00	120.00	120.00	0.168	0.168	1.00
59	19:58	0.99	0.962	1.00	120.00	120.00	0.160	0.160	1.00
60	20:25	0.$9	0.984	1.00	120.00	120.00	0.133	0.133	1.00
61	20:49	0.99	1.003	1.00	120.00	120.00	0.844	0.844	1.00
62	20:56	0.99	1.009	1.00	120.00	120.00	0.745	0.745	1.00
63	22:24	0.99	1.080	1.00	120.00	120.00	1.088	1.088	1.00
64	24:00	0.99	1.157	1.00	120.00	120.00	0.815	0.815	1.00
65	23:40	1.04	0.850	1.06	120.00	120.00	0.011	0.011	1.00
66	24:35	0.99	0.883	1.00	120.00	120.00	1.353	1.353	1.00
67	26:21	0.99	0.947	1.00	120.00	120.00	0.771	0.771	1.00
68	27:42	0.99	0.995	1.00	120.00	120.00	0.303	0.303	1.00
69	27:47	0.99	0.998	1.00	120.00	120.00	1.024	1.024	1.00
70	27:54	0.99	1.002	1.00	120.00	120.00	0.728	0.728	1.00
71	27:54	0.99	1.002	1.00	120.00	120.00	0.960	0.960	1.00
72	29:37	0.99	0.968	1.00	120.00	120.00	1.592	1.592	1.00
73	31:12	0.99	0.957	1.00	120.00	120.00	0.967	0.967	1.00
74	31:12	0.99	0.957	1.00	120.00	120.00	0.867	0.867	1.00
75	32:24	0.39	0.993	1.00	120.00	120.00	0.934	0.934	1.00
76	37:42	1.00	1.173	1.00	120.00	120.00	0.943	0.943	1.00
77	38:18	0.99	1.174	1.00	120.00	120.00	0.760	0.768	1.00
78	39:53	0.99	1.223	1.00	120.00	120.00	0.810	0.810	1.00
79	10:03	1.00	1.127	0.99	240.00	240.00	1.024	1.024	1.00

3200621

No	Ret(L)	Ratio	RH(L)	Ratio	Amnt	Amnt(L)	R.Fac	R Fac(L)	Ratio
80	2:56	1.18	0.329	1.16	120.00	120.00	1.310	1 310	1 00
81	17.48	0.49	1 055	1.00	120.00	120.00	0.273	0.273	1 00
82	2.54	1 17	0.325	1.16	120.00	120.00	1.071	1.071	1 00
83	4:39	1.11	G.521	1.10	120.00	120.60	0.814	0.814	1 00
84	4 22	1 13	0.490	1.11	120.00	120.00	0.872	0.872	1 00

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	533
NAPHTHALENE-D8	IS#2	AT	SCAN:	726
ACENAPTHENE-D10	IS#3	AT	SCAN:	1000
PHENANTHRENE-D10	IS#4	AT	SCAN:	1229
CHRYSENE-D12	IS#5	AT	SCAN:	1647
PERYLENE-D12	IS#6	AT	SCAN:	1935
2-FLUOROPHENOL	SS#1	AT	SCAN:	354
PHENOL-D6	SS#2	AT	SCAN:	487
NITROBENZENE	SS#3	AT	SCAN:	619
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	895
TRIBROMOPHENOL	SS#5	AT	SCAN:	1123
TERPHENYL-D14	SS#6	AT	SCAN:	1480



Gata: C340404B. TI
04/04/91 9 48 00
Sample APP160(157) 5-133-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL +10UL INT Instrument 4501 Weight 0 000
Submitted by ITAS-PIT Analyst SAB Acct No.

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac from average of the 1 closest data points in .RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-DS INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-D10 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD
6	CI75 PERYLENE-D12 INTERNAL STD
7	CS50 FLUOROPHENOL (SURROGATE)
8	CS45 PHENOL-D6 (SURROGATE)
9	CS20 NITROBENZENE-D5 (SURROGATE)
10	CS25 2-FLUOROBIFHENYL (SURROGATE)
11	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
12	CS30 TERPHENYL-D14
13	C320 ANILINE
14	C315 PHENOL CCC
15	C325 BIS(2-CHLOROETHYL)ETHER
16	C330 2-CHLOROPHENOL
17	C335 1,3-DICHLOROBENZENE
18	C340 1,4-DICHLOROBENZENE CCC
19	C345 BENZYL ALCOHOL
20	C350 1,2-DICHLOROBENZENE
21	C355 2-METHYLPHENOL
22	C360 BIS(2-CHLOROISOPROPYL)ETHER
23	C370 N-NITROSO-DI-N-PROPYLAMINE SPCC
24	C375 HEXACHLOROETHANE
25	C410 NITROBENZENE
26	C415 ISOPHURONE
27	C420 2-NITROPHENOL CCC
28	C425 2,4-DIMETHYLPHENOL
29	C430 OENZOIC ACID
30	C435 BIS(2-CHLOROETHOXY)METHANE
31	C440 2,4-DICHLOROPHENOL CCC
32	C445 1,2,4-TRICHLOROBENZENE
33	C450 NAPHTHALENE
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE CCC
34	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCLCLOPENTADIENE SPCC
39	C515 2,4,6-TRICHLOROPHENOL CCC
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C535 DIMETHYL PHTHALATE
44	C540 ACENAPHTHYLENE
45	C543 2,4 DINITROTQLUENE
46	C545 3-NITRUANILINE
47	C550 ACENAPHTHENE CCC

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

000072

No	m/z	Scan	Time	Ref	PRT	Meth	Area(Hght)	Amount	%Tot
1	152	533	8:53	1	1.000	A BB	11414.	40.000 UG/L	0.31
2	136	726	12:06	2	1.000	A BB	49772	40.000 UG/L	0.31
3	164	1000	14:40	3	1.000	A BB	26652	40.000 UG/L	0.31
4	188	1229	20:29	4	1.000	A BV	38821	40.000 UG/L	0.31
5	240	1647	27:27	5	1.000	M XX	25297.	40.000 UG/L	0.31
6	264	1935	32:15	6	1.000	A BB	30432.	40.000 UG/L	0.31
7	112	354	5:54	1	0.664	A BB	62527.	160.000 UG/L	1.23
a	99	486	8:06	1	0.912	A BB	88154.	160.000 UG/L	1.23
9	82	619	10:19	2	0.853	A VB	76673.	160.000 UG/L	1.23
10	172	895	14:55	3	0.d95	A BB	97330.	160.000 UG/L	1.23
11	330	1123	18.43	3	1.123	A BB	14349.	160.000 UG/L	1.23
12	244	1479	24.39	5	0.898	A VB	68378.	160.000 UG/L	1.23
13	93	430	3:10	1	0.919	A BV	102120.	160.000 UG/L	1.23
14	94	488	8:08	1	0.916	A BV	92905.	140.000 UG/L	1.23
1%	93	499	8:19	1	0.936	A VV	86406.	160.000 UG/L	1.23
16	128	508	8:28	1	0.953	A BV	73370.	160.G00 UG/L	1.23
17	146	528	a:48	1	0.991	A BV	67214.	160.000 UG/L	1.23
18	146	5.36	8:56	1	1.006	A VB	65728.	160.000 UG/L	1.23
19	108	556	9:16	1	1.043	A BB	48458.	160.000 UG/L	1.23
20	146	563	9:23	1	1.056	A BV	63714.	160.000 UG/L	1.23
21	108	576	9:36	1	1.081	A BB	79672.	160.000 UG/L	1.23
22	45	581	9:41	1	1.090	A BB	130611.	160.000 UG/L	1.23
23	70	603	10:03	1	1.131	A BB	55694.	160.000 UG/L	1.23
24	117	611	10:11	1	1.146	A BB	34301.	160.000 UG/L	1.23
25	77	622	10:22	a	0.857	A BB	79017.	160.000 UG/L	1.23
26	82	658	10.58	2	0.906	A BB	153531.	160.000 UG/L	1.23
27	139	670	11:10	2	0.923	A BB	39050.	160.000 UG/L	1.23
28	107	678	11:18	2	0.934	A BB	70480.	160.000 UG/L	1.23
29	122	i36	11:36	2	0.959	A BB	13342.	160.000 UG/L	1.23
30	93	5\72	11:32	2	0.953	A BB	105559.	160.000 UG/L	1.23
31	162	707	11:47	2	0.974	A DD	55694.	160.000 UG/L	1.23
32	180	720	12:00	2	0.992	A BB	50724.	160.000 UG/L	1.23
33	128	72?	12:09	2	1.004	A BV	149160.	160.000 UG/L	1.23
34	127	740	12:20	2	1.019	A VB	87901.	160.000 UG/L	1.23
35	225	758	12:38	2	1.044	A BB	21699.	160.000 UG/L	1.23
36	107	814	13:34	2	1.121	A BB	71826.	160.000 UG/L	1.23
37	142	835	13:55	2	1.150	A BB	99243.	160.000 UG/L	1.23
38	237	871	14:31	3	0.871	A BB	12664.	160.000 UG/L	1.23
34	196	889	14:49	3	0.889	A VB	30593.	160.000 UG/L	1.23
40	196	as9	14:49	3	0.889	A VB	30595.	160.000 UG/L	1.23
41	162	311	15:11	3	0.911	M XX	107205.	160.000 UG/L	1.23
42	65	929	15:29	3	0.929	A BV	46173.	160.000 UG/L	1.23
4.3	163	963	14:03	3	0.963	A VI3	102984.	160.000 UG/L	1.23
44	152	976	16:16	3	0.976	A 13B	145462.	160.000 UG/L	1.23
45	165	973	14:13	3	0.973	A BD	36216.	160.000 UG/L	1.23
46	138	993	16:33	3	0.993	A BV	33194.	160.000 UG/L	1.23
47	153	1005	16:45	3	1.005	A BB	89799.	160.000 UG/L	1.23
46	184	1009	16:4V	3	1.009	A BB	14371.	160.000 UG/L	1.23
49	109	1022	17:02	3	1.022	A VV	7249.	160.000 UG/L	1.23
50	168	1030	17:10	3	1.030	A BB	132333.	160.000 UG/L	1.23

3200623

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:55	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:13	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:52	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:45	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:50	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:37	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:48	1.02	0.650	1.02	160.00	160.00	1.370	1.370	1.00
8	8:06	1.00	0.908	1.00	160.00	160.00	1.931	1.931	1.00
9	11:03	0.93	0.905	0.94	160.00	160.00	0.385	0.385	1.00
10	15:06	0.99	0.895	1.00	160.00	160.00	0.913	0.913	1.00
11	18:58	0.99	1.125	1.00	160.00	160.00	0.135	0.135	1.00
12	24:59	0.99	0.898	1.00	160.00	160.00	0.873	0.873	1.00
13	8:10	1.00	0.916	1.00	160.00	160.00	2.237	2.237	1.00
14	8:08	1.00	0.912	1.00	160.00	160.00	2.035	2.035	1.00
15	8:19	1.00	0.933	1.00	160.00	160.00	1.893	1.893	1.00
16	8:28	1.00	0.950	1.00	160.00	160.00	1.607	1.607	1.00
17	8:50	1.00	0.991	1.00	160.00	160.00	1.472	1.472	1.00
18	8:58	1.00	1.006	1.00	160.00	160.00	1.440	1.440	1.00
19	9:19	0.99	1.045	1.00	160.00	160.00	1.061	1.061	1.00
20	9:26	0.99	1.058	1.00	160.00	160.00	1.396	1.396	1.00
21	9:39	0.99	1.082	1.00	160.00	160.00	1.745	1.745	1.00
22	9:44	0.99	1.092	1.00	160.00	160.00	2.861	2.861	1.00
23	10:06	1.00	1.133	1.00	160.00	160.00	1.220	1.220	1.00
24	10:15	0.99	1.150	1.00	160.00	160.00	0.751	0.751	1.00
25	10:26	0.99	0.854	1.00	160.00	160.00	0.397	0.397	1.00
26	11:03	0.99	0.905	1.00	160.00	160.00	0.771	0.771	1.00
27	11:16	0.99	0.922	1.00	160.00	160.00	0.196	0.196	1.00
28	11:24	0.99	0.933	1.00	160.00	160.00	0.354	0.354	1.00
29	11:40	0.99	0.955	1.00	160.00	160.00	0.068	0.068	1.00
30	11:38	0.99	0.952	1.00	160.00	160.00	0.530	0.530	1.00
31	11:53	0.99	0.973	1.00	160.00	160.00	0.280	0.280	1.00
32	12:07	0.99	0.992	1.00	160.00	160.00	0.255	0.255	1.00
33	12:16	0.99	1.004	1.00	160.00	160.00	0.749	0.749	1.00
34	12:27	0.99	1.019	1.00	160.00	160.00	0.442	0.442	1.00
35	12:46	0.99	1.045	1.00	160.00	160.00	0.109	0.109	1.00
36	13:44	0.99	1.124	1.00	160.00	160.00	0.361	0.361	1.00
37	14:05	0.99	1.153	1.00	160.00	160.00	0.498	0.498	1.00
38	14:41	0.99	0.871	1.00	160.00	160.00	0.119	0.119	1.00
39	14:53	1.00	0.882	1.01	160.00	160.00	0.287	0.287	1.00
40	14:59	0.99	0.888	1.00	160.00	160.00	0.287	0.287	1.00
41	15:21	0.99	0.910	1.00	160.00	160.00	1.006	1.006	1.00
42	15:40	0.99	0.929	1.00	160.00	160.00	0.433	0.433	1.00
43	16:14	0.99	0.962	1.00	160.00	160.00	0.966	0.966	1.00
44	16:27	0.99	0.975	1.00	160.00	160.00	1.364	1.364	1.00
45	16:24	0.99	0.972	1.00	160.00	160.00	0.340	0.340	1.00
46	16:45	0.99	0.993	1.00	160.00	160.00	0.311	0.311	1.00
47	16:57	0.99	1.005	1.00	160.00	160.00	0.842	0.842	1.00
48	17:02	0.99	1.010	1.00	160.00	160.00	0.135	0.135	1.00
49	17:15	0.99	1.023	1.00	160.00	160.00	0.068	0.068	1.00
50	17:22	0.99	1.030	1.00	160.00	160.00	1.241	1.241	1.00

Data: C340404B.TI
04/04/91 9:48:00

Sample: APP160(157) 5-133-C SAB
Conds: 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4501 Weight: 0.000
Submitted by: ITAS-PIT Analyst: SAB Acct. No.

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from average of the 1 closest data points in RL

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL-PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE (DIPHENYLAMINE) CCC
58	C625 4-BROMOPHENYL-PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL CCC
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYL PHTHALATE
64	C655 FLUORANTHENE
65	C710 BENZIDINE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3'-DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C740 CHRYSENE
71	C745 BIS(2-ETHYLHEXYL) PHTHALATE
72	C760 DI-N-OCTYL PHTHALATE CC<
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE CCC
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZ(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	EP01 TOTAL (3 & 4 METHYL PHENOLS)
80	EP02 PYRIDINE
81	EP03 2,3,4 P-TETRACHLOROPHENOL
82	AP02 N-NITROSODI ETHYLAMINE
83	AP03 N-NITROSOMETHYLETHYLAMINE
84	AP04 2-PICOLINE

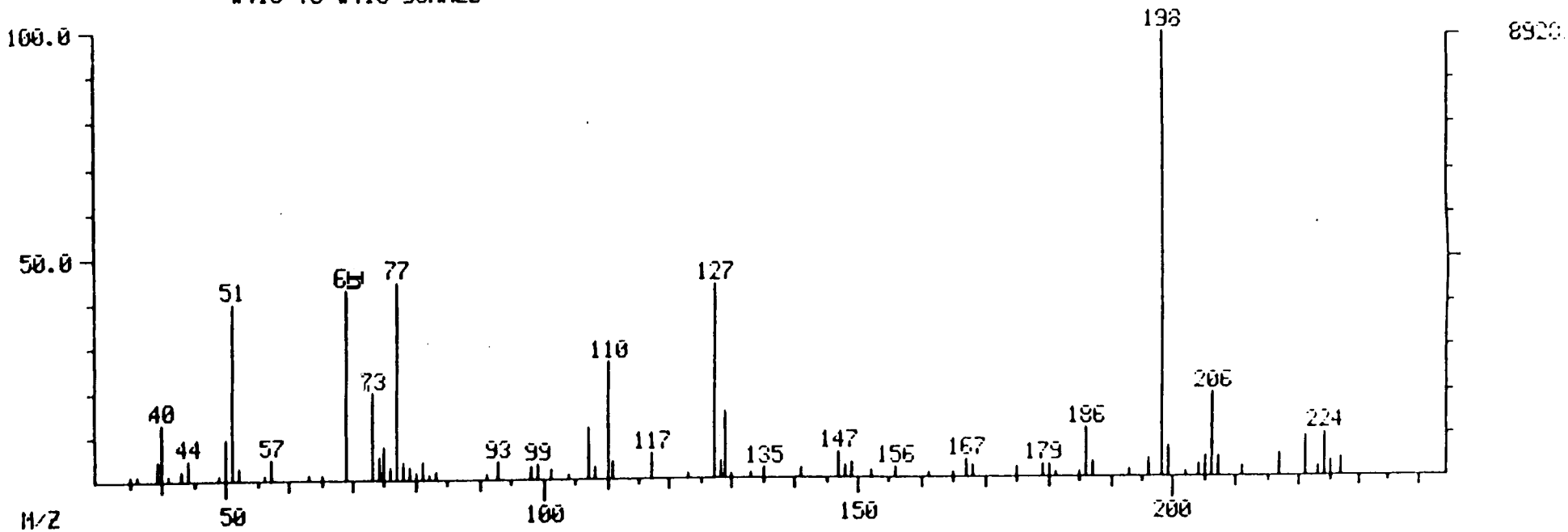
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1033	17:13	3	1.033	A BB	38350.	160.00 UG/L	1.23
52	149	1073	17:53	3	1.073	A VV	114390.	160.00 UG/L	1.23
53	204	1083	18:03	3	1.083	A BB	34526.	160.00 UG/L	1.23
54	166	1084	18:04	3	1.084	A BB	93894.	160.00 UG/L	1.23
55	138	1090	18:10	3	1.090	M XX	10559.	160.00 UG/L	1.23
56	198	1098	18:18	4	0.893	A BV	38997.	160.00 UG/L	1.23
57	169	1102	18:22	4	0.897	A BB	122377.	319.99 UG/L	2.45
58	248	1158	19:18	4	0.942	A VB	25966.	160.00 UG/L	1.23
59	284	1183	19:43	4	0.963	A BB	25988.	160.00 UG/L	1.23

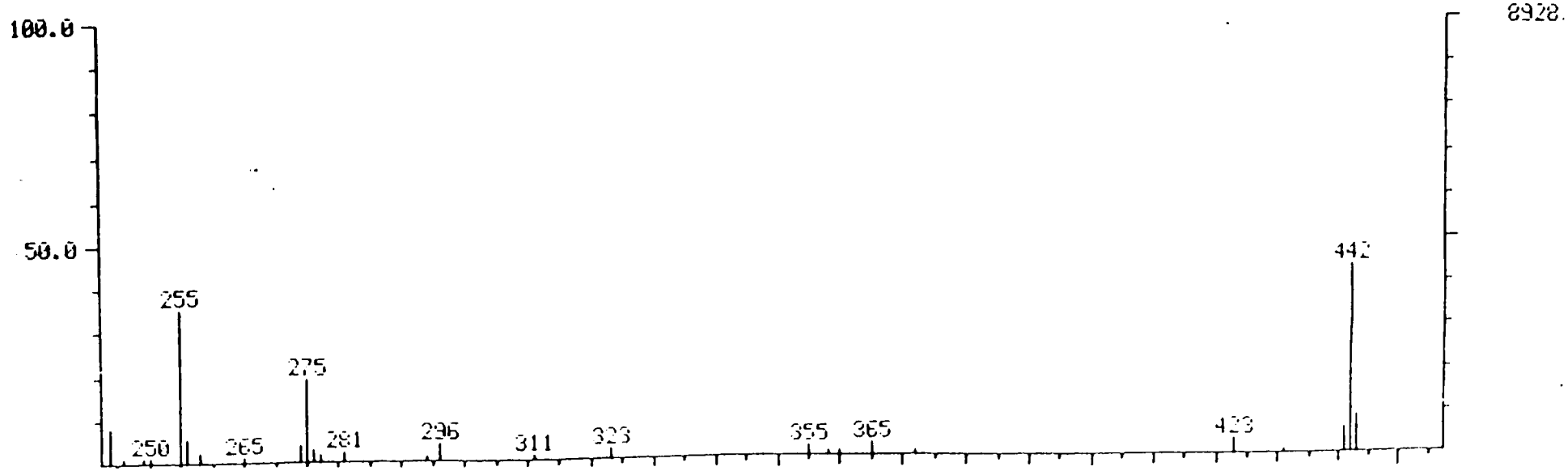
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	
60	266	1209	20:09	4	0.984	A BV	22053.	160.000 UG/L	1.23
61	178	1233	20:33	4	1.003	A BV	146153.	160.000 UG/L	1.23
62	178	1240	20:40	4	1.009	A VB	107160.	160.000 UG/L	1.23
63	149	1294	21:34	4	1.053	A BB	334.	160.000 UG/L	1.23
64	202	1421	23:41	4	1.156	A BB	131793.	160.000 UG/L	1.23
65	184	1427	23:47	5	0.866	A BV	3373	160.000 UG/L	1.23
66	202	1456	24:16	5	0.884	A BB	134223.	160.000 UG/L	1.23
67	149	1559	25:59	5	0.947	A VB	77755.	160.000 UG/L	1.23
68	252	1640	27:20	5	0.996	A BB	35002.	160.000 UG/L	1.23
69	228	1645	27:25	5	0.999	A BV	110787.	160.000 UG/L	1.23
70	228	1652	27:32	5	1.003	A VB	71700.	160.000 UG/L	1.23
71	149	1651	27:31	5	1.002	A BB	87514.	160.000 UG/L	1.23
72	1-9	1754	29:14	6	0.906	A BB	174138	160.000 UG/L	1.23
73	252	1853	30:53	6	0.958	A VB	93036.	160.000 UG/L	1.23
74	252	1853	30:53	6	0.958	A VB	93036.	160.000 UG/L	1.23
75	252	1923	32:03	6	0.994	A BB	109763.	160.000 UG/L	1.23
76	276	2279	37:55	6	1.176	A BB	123359.	160.000 UG/L	1.23
77	278	2284	38:04	6	1.180	A BB	97262.	160.000 UG/L	1.23
78	276	2378	39:38	6	1.229	A BB	111134.	160.000 UG/L	1.23
79	108	600	10:00	1	1.126	A BB	95180.	319.999 UG/L	2.45
80	79	183	3:03	1	0.343	A BB	58432.	160.000 UG/L	1.23
81	232	1055	17:35	3	1.055	A BB	29771.	160.000 UG/L	1.23
82	74	181	3:01	1	0.340	A BO	59280.	160.000 UG/L	1.23
83	42	288	4:48	1	0.540	A BB	36632.	160.000 UG/L	1.23
84	93	272	4:32	1	0.510	A BB	45369.	160.000 UG/L	1.23

No	Rat(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:26	0.99	1.034	1.00	160.00	160.00	0.360	0.360	1.00
52	18:07	0.99	1.074	1.00	160.00	160.00	1.073	1.073	1.00
53	18:16	0.99	1.083	1.00	160.00	160.00	0.324	0.324	1.00
54	19:17	0.99	1.084	1.00	160.00	140.00	0.881	0.981	1.00
55	18:24	0.99	1.091	1.00	160.00	160.00	0.099	0.099	1.00
56	18:31	0.99	0.892	1.00	160.00	160.00	0.251	0.251	1.00
57	18:36	0.33	0.896	1.00	320.00	320.00	0.394	0.394	1.00
58	19:33	0.39	0.942	1.00	160.00	160.00	0.167	0.167	1.00
59	19:58	0.99	0.962	1.00	160.00	150.00	0.167	0.167	1.00
60	20:25	0.99	0.984	1.00	160.00	160.00	0.142	0.142	1.00
41	20:49	0.39	1.003	1.00	160.00	160.00	0.941	0.941	1.00
62	20:56	0.49	1.009	1.00	160.00	160.00	0.690	0.690	1.00
63	22:24	0.96	1.080	0.98	160.00	160.00	0.002	0.002	1.00
64	24:00	0.39	1.157	1.00	160.00	160.00	0.849	0.849	1.00
65	23:40	1.00	0.850	1.02	160.00	160.00	0.033	0.033	1.00
66	24:35	0.99	0.983	1.00	160.00	160.00	1.326	1.326	1.00
67	26:21	0.99	0.547	1.00	160.00	160.00	0.768	0.768	1.00
68	27:42	0.99	0.995	1.00	160.00	160.00	0.346	0.346	1.00
69	27:47	0.99	0.998	1.00	160.00	160.00	1.095	1.095	1.00
70	27:54	0.09	1.002	1.00	160.00	160.00	0.709	0.709	1.00
71	27:54	0.99	1.002	1.00	160.00	160.00	0.865	0.865	1.00
72	29:37	0.39	0.908	1.00	160.00	160.00	1.431	1.431	1.00
73	31:12	0.99	0.957	1.00	160.00	160.00	0.764	0.764	1.00
74	31:12	0.99	0.957	1.00	160.00	160.00	0.764	0.764	1.00
75	32:24	0.99	0.993	1.00	160.00	160.00	0.902	0.902	1.00
74	37:42	1.01	1.173	1.00	160.00	160.00	1.013	1.013	1.00
77	38:18	0.99	1.174	1.01	160.00	160.00	0.799	0.799	1.00
78	39:53	0.99	1.223	1.01	160.00	160.00	0.913	0.913	1.00
73	10:03	1.00	1.127	1.00	320.00	320.00	1.042	1.042	1.00

No	Ret(L)	Patio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R Fac(L)	Ratio
80	2:56	1.04	0.'324	1.04	160.00	160.00	1.280	1.280	1.00
81	17:48	0.39	1.055	1.00	160.00	160.00	0.279	0.279	1.00
82	2:54	1.04	0.325	1.04	160.00	160.00	1.298	1.298	1.00
83	4:39	1.03	0.521	1.04	160.00	160.00	0.802	0.802	1.00
84	4:22	1.04	0.490	1.04	160.00	160.00	0.994	0.994	1.00

MASS SPECTRUM
04/08/91 7:38:00 + 6:55
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
#415 TO #416 SUMMED





Mass List
04/08/91 7:38:00 + 6:55
Sample. DFTPP 4-125-C SAB
Condr.: 4301 FSCC GCBA CASE# SDG#
#415 to #416 summed

Data: DF40408D # 413
Cali: 4040405N # 2

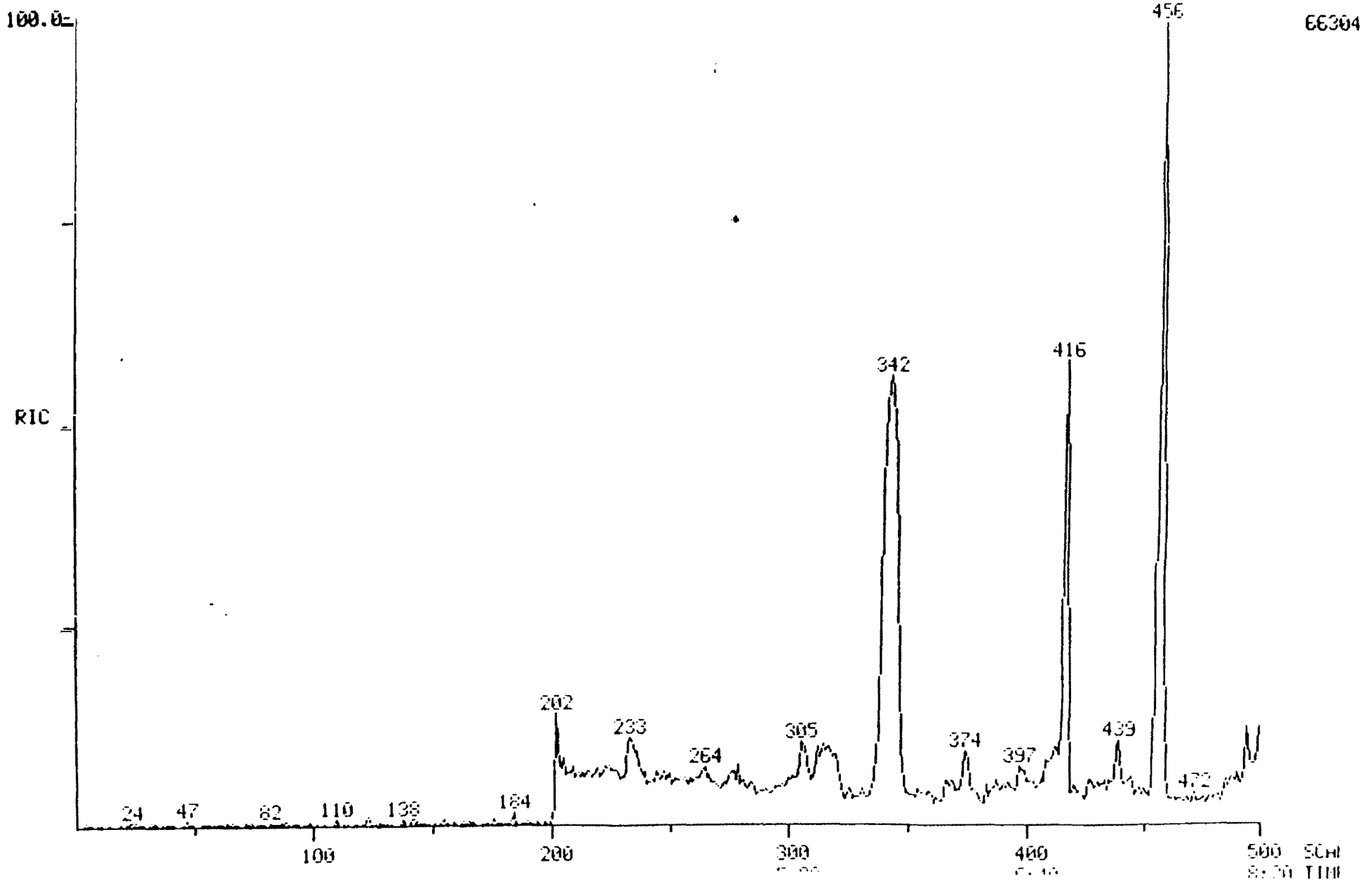
Base m/z: 198
RIC: 68096

35	0 00	0.	Minima	Min Inten.	86
443			Maxima #	0	
Mass	% RA	Inten.	Mass	% RA	Inten
35?	1 02	91.	167	4.08	364.
36?	1. 15	103.	168	2.88	257.
39?	4 39	392.	175	2.08	186.
40?	13.04	1164.	179	3.02	270.
41?	1.02	91.	180	2. 71	242.
43'7	2. 07	185.	181	0. 99	88.
44?	4. a3	433.	185	1. 15	103.
49?	1. 36	121.	186	10.91	974.
50?	9. 12	814.	187	3.69	329.
517	39.83	3556.	193	1.92	171.
52?	2. 72	243.	196	4.04	361.
56?	1. 19	106.	198	100.00	8928.
57?	4. 77	426.	199	7.18	641.
63?	1.32	118.	202	1.18	105.
69	43. 28	3864.	204	2. 73	244.
73	20. 05	1790.	205	4. 81	429.
74	5. 12	457.	206	18.95	1692.
75	7. 30	652.	207	4. 83	433.
76	2. 65	237.	211	2. 60	232.
77	44. 80	4000.	217	5. 02	448.
78	3.86	34s.	221	9. 30	830.
79	2.72	243.	223	2. 20	204.
80	1. 46	130.	224	9. 97	890.
ai	3.83	342.	225	3. 30	295.
82	0.97	87.	227	4. 04	361.
83	2. 02	180.	244	8. 29	740.
91	1.31	117.	249	0. 96	86.
93	3.94	352.	250	0. 97	87.
98	2.82	252.	255	35.62	3180.
99	3.28	293.	256	5. 81	519.
101	2.34	209.	258	2. 30	205.
107	11. 69	1044.	265	0. 96	86.
108	2.73	244.	274	3.85	344.
110	26. 88	2400.	275	19. 47	1738.
111	4. 26	300.	276	3.05	272.
117	5. 81	519.	277	1. 90	170.
123	1. 11	99.	281	2. 55	228.
127	43.93	3924.	294	0. 97	87.
128	3. 82	341.	296	4. 19	374.
129	14.92	1332.	323	2. 33	208.
130	1. 13	101.	355	2. 33	208.
133	1.00	89.	358	0. 96	86.
135	2. 22	198.	360	0. 99	88.
141	2.49	222.	365	2.89	258.
147	3.84	321.	372	1.20	107.
148	2.80	230.	423	3.20	286.
149	3.39	303.	431	1.02	91.
152	1. 89	169.	441	5. 90	527.
136	2. 28	204.	442	43. 59	3092.
161	0. 39	88.	443	8. 79	705.

3200626

RIC
04/08/91 7:38:00
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
RANGE: G 1, 500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: DF40408D #1 SCANS 1 TO 500
CALI: 4040405N #2



GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number		Laboratory		Contract	
Inst ID	3501	Sens Date	04/08/91	Sens Time:	7 38.00
Lab ID	DF40408D	Cali Date.		Analyst	SAB

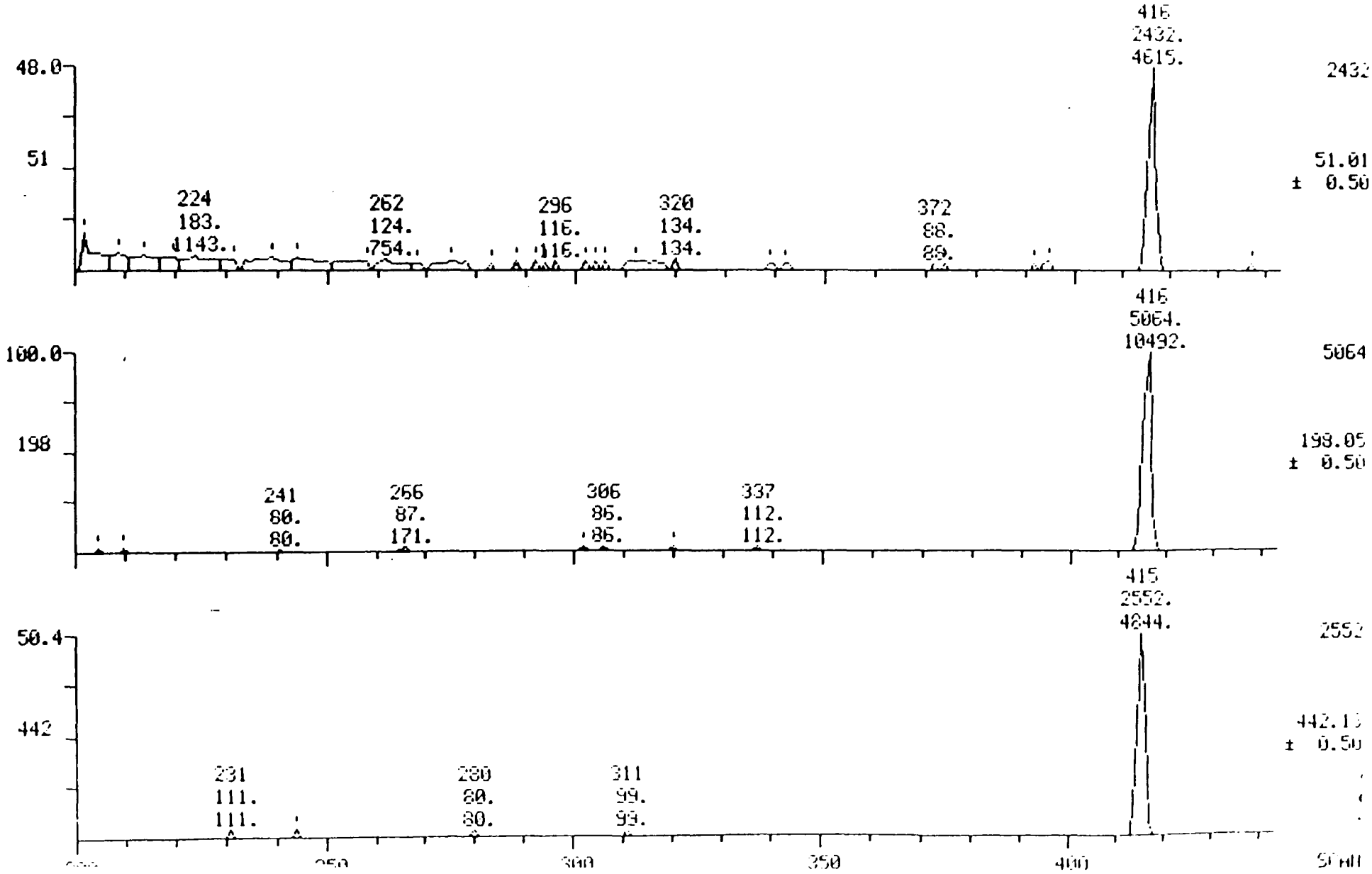
Data release authorized by: _____

M/E	Ion Abundance Criteria	Spec # 415	
51	30 to 60% of mass 198	39.83	
68	less than 2% of mass 69	0.00	(0.00)1
63	mass 69 relative abundance	43.28	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	43.95	
197	less than 1% of mass 198	0.00	
196	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 196	7.18	
275	10 TO 30% of mars 198	19.47	
365	greater than 1% of mass 198	2.89	
441	lets than mass 443	5.90	
442	greater than 40% of mass 198	43.59	
443	17 TO 23% of mass 442	8.79	(20.17) 2

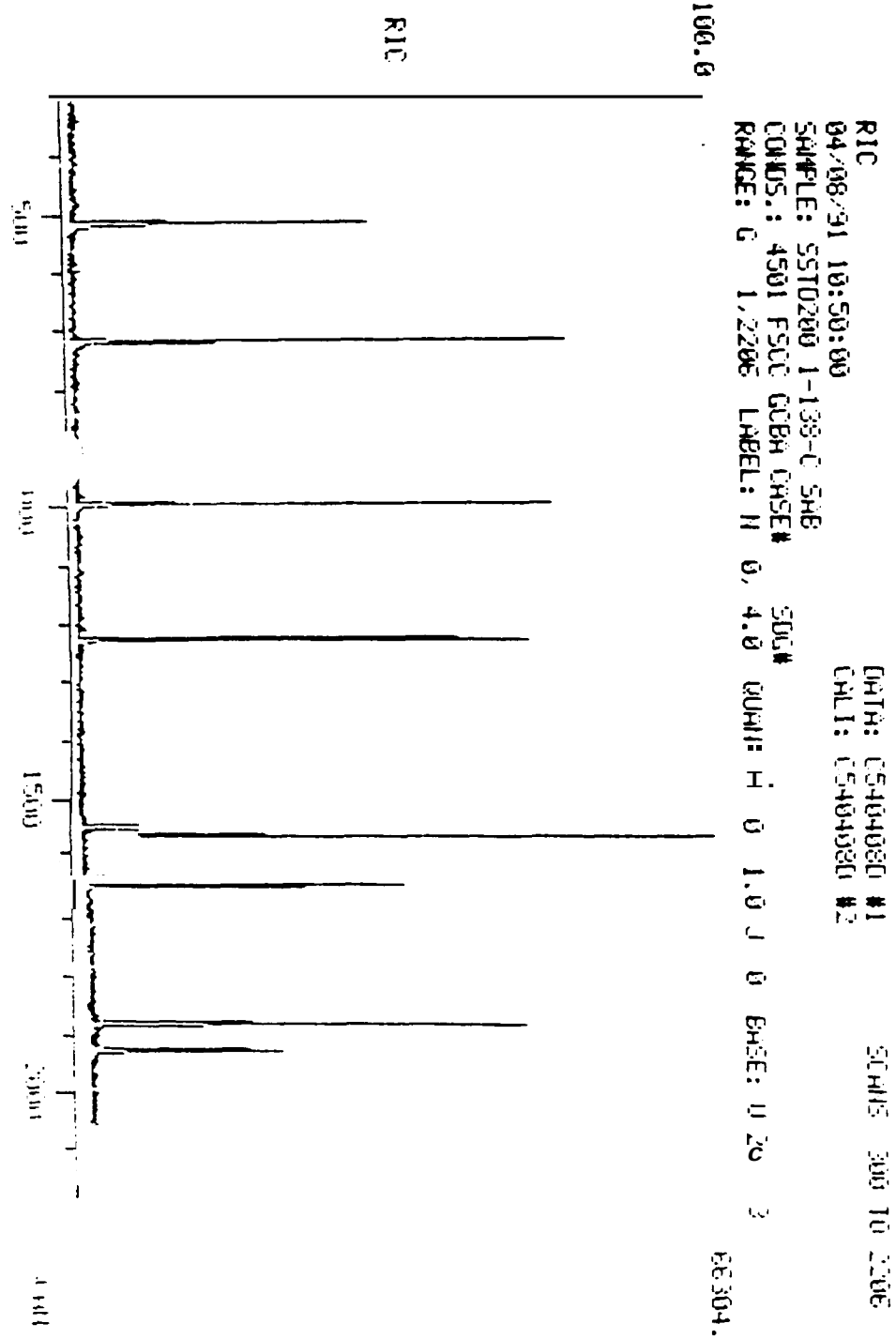
1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

3200627

MASS CHROMATOGRAMS
04/08/91 7:38:00
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
RANGE: G 1, 438 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



,4-DICHLOROBENZENE-D4	IS#1	AT SCAN:	516
' HALENE-D8	IS#2	AT SCAN:	718
,FTHENE-D10	IS#3	AT SCAN:	995
HENANTHRENE-D10	IS#4	AT SCAN:	1226
HRYSENE-D12	IS#5	AT SCAN:	1644
ERYLENE-D12	IS#6	AT SCAN:	1928
-FLUOROPHENOL	SS#1	AT SCAN:	0
HENOL-D6	SS#2	AT SCAN:	0
ITRODENZENE	SSU3	AT SCAN:	0
-FLUOROBIPHENYL	SS#4	AT SCAN:	0
RIBROKOPHENOL	SS#5	AT SCAN:	0
ERPHENYL-D14	SS#6	AT SCAN:	0



Quantitation Report File: C540408D

Data C540408D TI
04/08/31 10:50:00
Sample 3STD200 1-138-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 10L +10UL INT Instrument. 4501 Weight 0 000
Submitted by ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in .RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD.
2	CI40 NAPHTHALENE-D8 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
4	CI75 PERYLENE-D12 INTERNAL STD.
7	AP05 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
3	AP07 ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 I-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
34	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PAPATHION
44	AP43 ALDRIN
45	AP34 METHAPYRILENE
36	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	m/z	Scan	Time	Ref	RRT	Moth	Area(Hght)	Amount	%Tot
1	152	516	3 36	1	1 000	A BB	17089	40 000 UG/L	4 74
2	126	718	11 58	2	1 000	A BB	61743	40 300 UG/L	4 75
3	164	795	15 35	3	1 000	A BB	33656	40 000 UG/L	3 75
4	188	1225	20 26	4	1 000	A BB	42338	40. GOO UG/L	4 76
5	240	1540	27 23	5	1 000	A BB	31047	40 000 UG/L	4 75
6	264	1928	32 08	6	1 000	A 3B	28745	40 000 UG/L	4 76
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	28	1226	20:26	4	1.000	A B0	357.	200.000 UG/L	23.82
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R Fac	R Fac(L)	Ratio
1	8.52	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:04	0.39	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16.37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20.27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27.24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32.10	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5.30		0.619						
8	5.27		0.726						
9	7.09		0.805						
10	8.11		0.921						
11	9.56		1.118						
12	9:58		1.122						
13	9.58		1.122						
14	10:00		1.126						
15	10:04		1.133						
16	10:44		0.887						
17	12:42		1.050						
18	12:22		1.022						
19	12:28		1.030						
20	13:16		1.096						
21	13:43		1.134						
22	14:28		0.868						
23	15:03		0.503						
24	16:04		0.964						
25	17:14		1.034						
26	17:20		1.040						
27	17:31		1.051						
28	18:06		0.884						
29	18:08		0.885						
30	18.22		0.897						
31	19.01		0.928						
32	18:56		0.924						
33	19:14		0.939						
34	19.15		0.940						
35	19.14		0.939						
36	19:40		0.960						
37	20:00		3.576						
38	20:04		0.980						
39	20:22		0.994						
40	20:35	0.99	1.005	1.00	200.00	200.00	0.002	0.002	1.00
41	21:24		1.043						
42	22:28		1.097						
43	22:35		1.103						
44	22:42		1.108						
45	22:53		1.117						
46	23:21		1.140						
47	24:38		0.897						
48	24:51		0.905						
49	25:04		0.913						
50	25:12		0.918						

Quantitation Report File C540408D

Data C540408D TI
04/08/91 10 50 00
Sample 5STD200 1-138-C SAD
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL →10UL INT Instrument 4501 Weight 0.000
Submitted by ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac from average of the 1 closest data points in RL

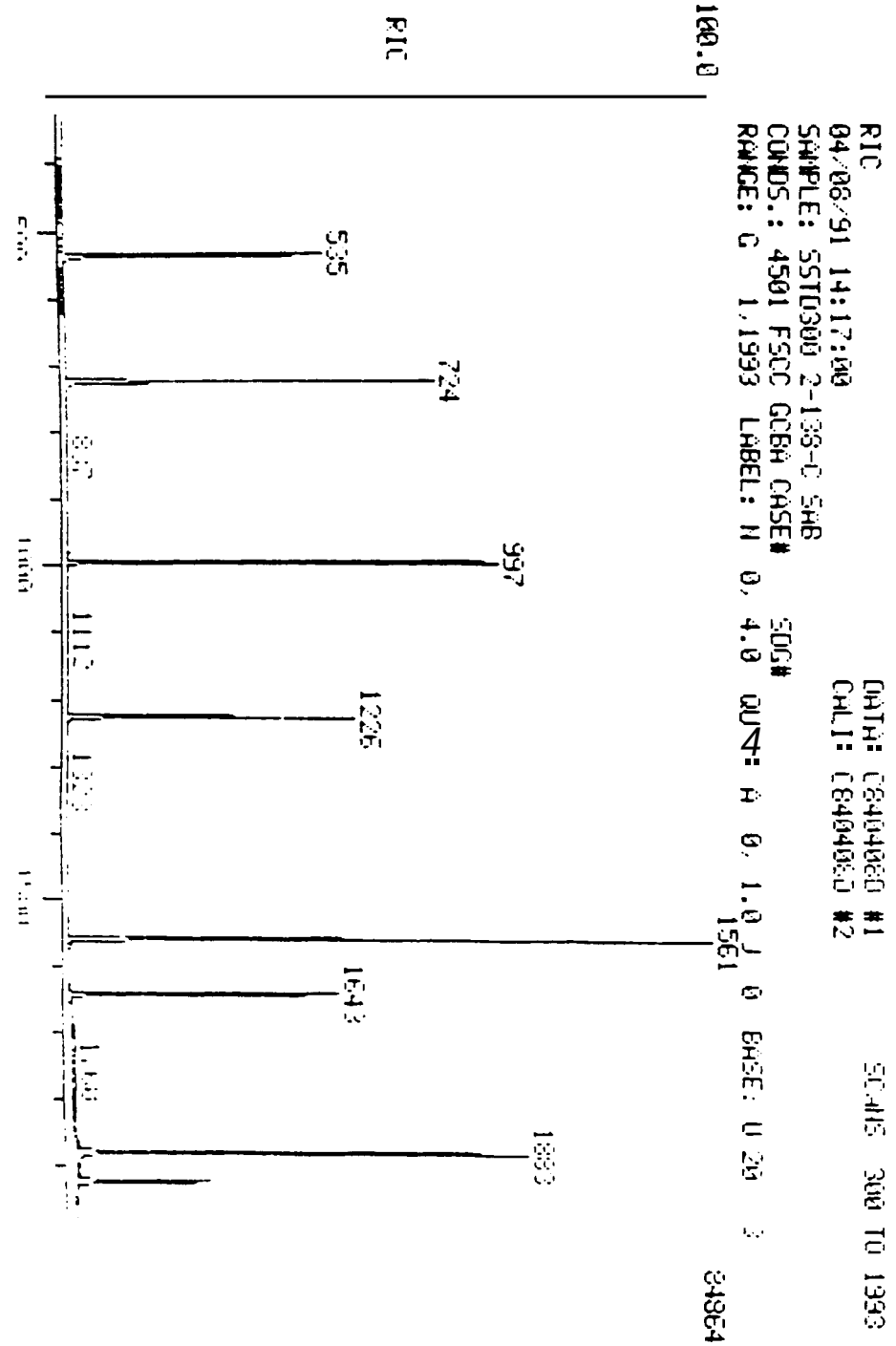
No	Name
51	AP50 3 3'-DIMETHYLBENZIDINE
52	AP51 ~EFONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHQQUININE
5a	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	272	1561	26.01	5	0.950	A BB	15105.	200.000 UG/L	23.82
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	136	1682	31:22	6	0.976	A BB	14343.	200.000 UG/L	23 82

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	26:02		0.950						
52	26:03	1 00	0.951	1.00	200.00	200.00	0.097	0.097	1.00
53	26:38		0.970						
54	30:49		0.356						
55	33:44		1.046						
56	20:38		1.007						
57	15:37		0.937						
58	31:25	1.00	0.977	1.00	200.00	200.00	0.100	0.100	1.00

3200630

4-DICHLOROBENZENE-D4	IS#1	AT	SCAN	535
PHTHALENE-D8	IS#2	AT	SCAN	724
ENAPTHENE-D10	IS#3	AT	SCAN	997
ENANTHRENE-D10	IS#4	AT	SCAN	1226
RYSENE-D12	IS#5	AT	SCAN	1643
RYLENE-D12	IS#6	AT	SCAN	1928
FLUOROPHENOL	SS#1	AT	SCAN	0
ENOL-D6	SS#2	AT	SCAN.	0
TROBENZENE	SS#3	AT	SCAN	0
FLUOROBIPHENYL	SS#4	AT	SCAN	0
IDROWOPHENOL	SS#5	AT	SCAN	0
RPHENYL-D14	SS#6	AT	SCAN	0



Quantitation Report File: C840408D

Data C840408D.TI
04/08/91 14.17 00
Sample SSTD300 2-138-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL +10UL INT Instrument 4501 Weight 0 000
Submitted by ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD.
3	CIS3 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-010 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD
6	CI75 PERYLENE-D12 INTERNAL STD
7	AP05 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	APO? ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	4P16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP13 HEXACHLOROPROPENE
20	AP19 N-NITROSUDI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROOENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-0-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
30	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
33	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	APJJ METHAPYRILENE
46	AP45 ISODRIN
47	AP40 ARAMITE

3200631

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	[illegible]	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	192	535	8 55	1	1 000	A BB	18303	40.000 UG/L	3 51
2	136	724	12 04	2	1 000	A BB	64134	40 000 UG/L	3 51
3	134	895	15 36	3	1.000	A BB	33703	40 000 UG/L	3 51
4	198	1226	20 26	4	1.000	A BB	44974	40 000 UG/L	3 51
5	240	1543	27 13	5	1 000	A BB	30916	30 000 UG/L	3 51
6	264	1923	32 08	6	1.000	A BB	29844	40.000 UG/L	3 51
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
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30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R Fac	R Fac(L)	Ratio
1	8:39	1.03	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:58	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16.36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20.25	1.00	1.000	1.00	45).00	40.00	1.000	1.000	1.00
5	27.23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32.09	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5.00		0.619						
8	6.27		0.726						
9	7.09		0.805						
10	8.11		0.921						
11	9.56		1.118						
12	9.58		1.122						
13	9.58		1.122						
14	10.00		1.126						
15	10.04		1.133						
16	10.44		0.887						
17	12.42		1.050						
18	12:22		1.022						
19	12.23		1.030						
20	13.16		1.096						
21	13:43		1.134						
22	14:28		0.868						
23	15.03		0.903						
24	16.04		0.964						
25	17.14		1.034						
26	17.20		1.040						
27	17:31		1.051						
28	18:06		0.884						
29	18:09		0.885						
30	18:22		0.897						
31	19:01		0.928						
32	18:56		0.924						
33	19:14		0.939						
34	19.15		0.940						
35	19.14		0.939						
36	19.40		0.960						
37	20:00		0.976						
38	20:04		0.980						
39	20:22		0.994						
40	20.35		1.005						
41	21.24		1.045						
42	22:28		1.097						
43	22:35		1.103						
44	22.42		1.108						
45	22:53		1.117						
46	23:21		1.140						
47	24:38		0.897						
48	24.51		0.905						
49	25.04		0.913						
50	25:12		0.918						

Quantitation Report File: C840408D

Data: C840408D.TI
04/08/91 14:17:00
Sample: SSTD300 2-138-C SAB
Conds 4501 FSCC GCBA CASE# EDG#
Formula 10L +10UL INT Instrument: 4501 Weight: 0.000
Submitted by ITAS-PIT Analyst: SAB Acct. No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in .RL

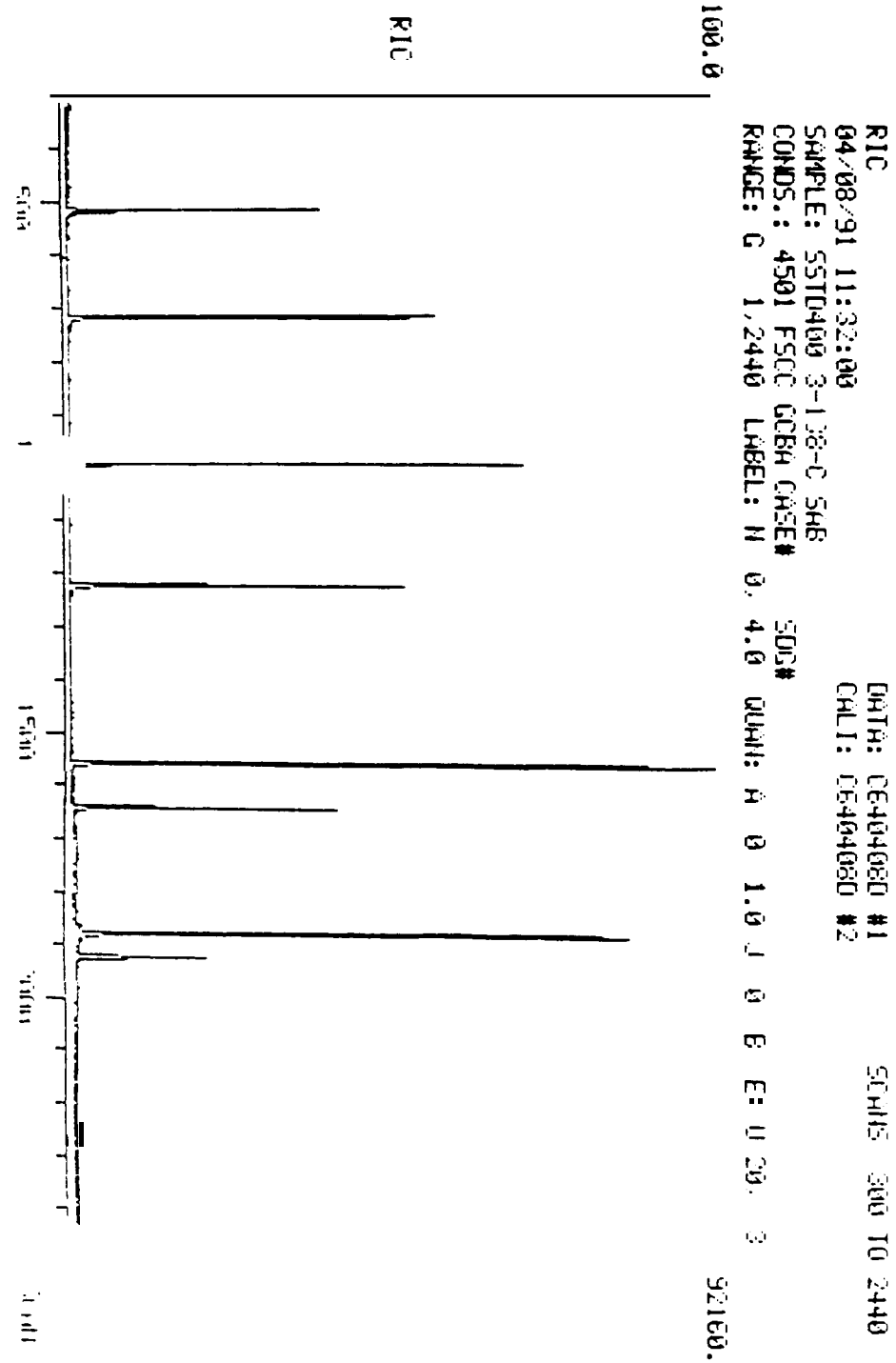
No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSED
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	212	1561	26:01	5	0.950	A BB	277	300.000 UG/L	26.34
52	272	1561	26:01	5	0.950	A BB	22042.	300.000 UG/L	26.34
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
36	NOT FOUND								
57	NOT FOUND								
58	196	1883	31:23	6	0.977	A BB	21459.	300.000 UG/L	26.34

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	26:01	1.00	0.950	1.00	300.00	300.00	0.001	0.001	1.00
52	26:01	1.00	0.950	1.00	300.00	300.00	0.095	0.095	1.00
53	26:38		0.970						
54	30:49		0.956						
55	33:44		1.046						
56	20:38		1.007						
57	15:37		0.937						
58	31:23	1.00	0.977	1.00	300.00	300.00	0.099	0.099	1.00

3200633

4-DICHLOROBENZENE-D4	IS#1	AT	SCAN.	519
HALENE-D8	IS#2	AT	SCAN:	718
PTHENE-D10	IS#3	AT	SCAN.	996
HENANTHRENE-D10	IS#4	AT	SCAN:	1225
HRYSENE-D12	IS#5	AT	SCAN:	1643
ERYLENE-D12	IS#6	AT	SCAN:	1928
-FLUOROPHENOL	SS#1	AT	SCAN:	0
HENOL-D6	SS#2	AT	SCAN:	0
ITROBENZENE	SS#3	AT	SCAN:	0
-FLUOROBIPHENYL	SS#4	AT	SCAN:	0
RIBROMOPHENOL	SS#5	AT	SCAN.	0
ERPHENYL-D14	SS#6	AT	SCAN:	0



000092

Data C640408D TI
04/08/91 11 32:00
Sample SSTD400 3-138-C SAB
Conds 4501 FSCC GCBA CASE6 SDG#
Formula 10L +10UL INT Instrument 4501 Weight 0 000
Submitted by ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-D10 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD
6	(3175 PERYLENE-D12 INTERNAL STD
7	AP05 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
10	AP08 ?ENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 0-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPYTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINODIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROWINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

NO	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	519	8 39	1	1 G00	A BB	18433.	40 000 UG/L	2 78
2	136	718	11 58	2	1 000	A BB	65517	40.000 UG/L	2 78
3	154	996	16 36	3	1 000	A BB	34027	40 000 UG/L	2 78
4	188	1225	20 35	3	1 000	A BD	46502.	40 000 UG/L	2 79
5	240	1643	27 23	5	1 000	A BB	32671.	40 000 UG/L	2.79
4	264	1928	32 08	6	1 000	A BB	18996.	40.000 UG/L	2 79
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
13	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NUT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOVND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NUT FOUND								
49	NOT FOUND								
S0	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R Fac(L)	Ratio
1	8.39	1 00	1 000	1 00	40.00	40.00	1.000	1.000	1 00
2	11.58	1.00	1.000	1.00	40 00	40.00	1.000	1.000	1 GO
3	16 36	1 00	1.000	1.00	40.00	40.00	1.000	1.000	1 00
3	20 25	1 00	1 GOO	1 00	40 00	40 00	1 000	1.000	1.00
5	27 23	1 00	1.000	1 00	40 00	40 00	1 000	1 000	1 00
6	22 03	1 00	1 000	1 00	40 00	40 (30	1 000	1 000	1 (30
7	5 30		0 619						
8	6 27		0 726						
9	7 09		0 805						
10	8 11		0 921						
11	9 56		1 118						
12	9 58		1 122						
13	9 58		1.122						
14	10 00		1 126						
15	10:04		1 133						
16	10 44		0 987						
17	12.42		1.050						
19	12 22		1 022						
13	12.28		1.030						
20	13 16		1 096						
21	13.43		1 134						
22	14 28		0 868						
23	15:03		0 903						
24	16.04		0.964						
25	17 14		1 G34						
26	17 20		1 040						
27	17.31		1.051						
28	18:06		0.584						
29	18 08		0 885						
30	18:22		0.897						
31	19 01		0.428						
32	18:56		0 324						
33	19 14		0.939						
34	19 15		0.940						
35	19 14		0.339						
3a	19 40		0.360						
37	20 00		0.376						
38	20 04		0.980						
33	20:22		0.994						
40	20.35		1.005						
41	21 24		1.045						
42	22.28		1.097						
43	22.35		1.103						
44	22.42		1.108						
45	22 53		1.117						
44	23:21		1.140						
47	24:38		0.897						
49	24.51		0.905						
49	25:04		0.313						
50	25 12		0.918						

Quantitation Report File: C640408D

Data C640408D TI
(3410819111 32.00
Sample SSTD400 3-138-C SAD
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL +10UL INT Instrument 4501 Weight 0 000
Submitted by ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * REF AMNT (REF AREA * RESP FACT)
Resp fac. from average of the 1 closest data points in RL

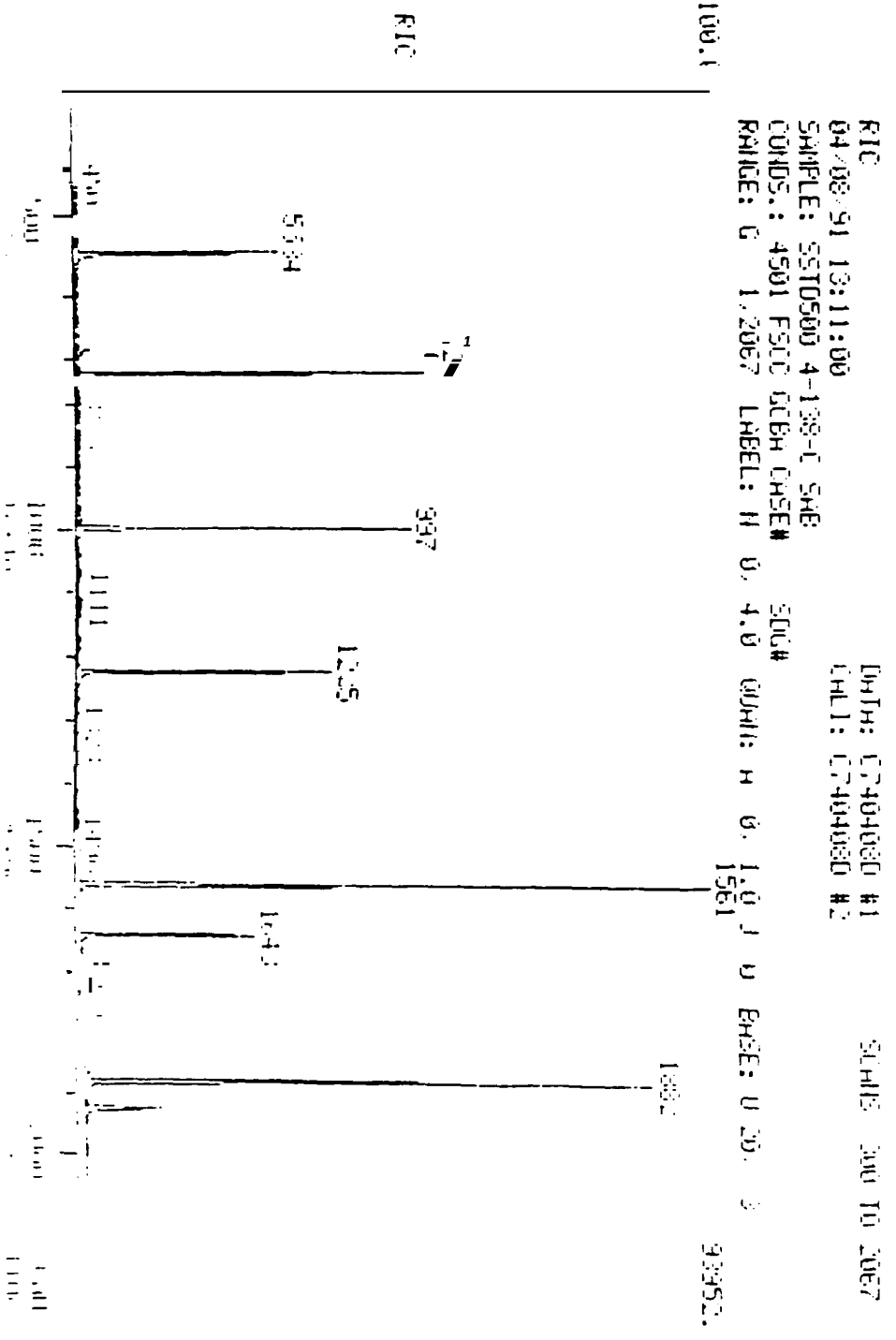
No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	212	1561	25 01	5	0 950	A BB	337	400 000 UG/L	27 80
52	272	1561	26 01	5	0 950	A BB	25300	400 000 UG/L	27 EO
53	NOT FOUND								
54	NUT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	196	1883	31 23	6	0 977	A BB	34903.	400.000 UG/L	27 30

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	26 01	1.00	0 950	1.00	400.00	400.00	0.001	0.001	1 00
52	26.01	1.00	0.950	1.00	400 00	400.00	0.077	0.077	1 00
53	26:38		0 970						
54	30:49		0 956						
55	33:44		1 046						
56	20:38		1.007						
57	15:37		0 937						
58	31:23	1.00	0.977	1.00	400.00	400.00	0.120	0.120	1 00

3200635

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN	534
NAPHTHALENE-D8	IS#2	AT	SCAN	724
ACENAPTHENE-D10	IS#3	AT	SCAN	997
PHENANTHRENE-D10	IS#4	AT	SCAN	1225
CHRYSENE-D12	IS#5	AT	SCAN	1643
PERYLENE-D12	IS#6	AT	SCAN	1926
2-FLUOROPHENOL	SS#1	AT	SCAN	0
PHENOL-D6	SS#2	AT	SCAN	0
NITROBENZENE	SS#3	AT	SCAN	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN	0
TRIBROMOPHENOL	SS#5	AT	SCAN	0
TERPHENYL-D14	SS#6	AT	SCAN	0



000097

Quantitation Report File: C740408D

Data: C740408D.TI
04/08/91 13:11:00
Sample: SSTD500 4-138-C SAB
Conds: 4501 FSCC GCBA CASE# SDG#
Formula: 10UL +10UL INT Instrument: 4501 Weight: 0.000
Submitted by: ITAS-PIT Analyst: SAB Acct. No.

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from average of the 1 closest data points in RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-08 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
3	CI60 PHENANTHRENE-010 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD
6	CI75 PERYLENE-D12 INTERNAL STD
7	AP05 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
10	AP08 FENTACHLGPOETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETCPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL FHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEKACHLOROPROFENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	4P33 PHCRATE
35	AP34 DIALLATE
36	4P35 DIMETHOATE
37	AP36 4-AMINUBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	APJO METHYLPARATHIUN
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

3200636

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	534	8 54	1	1.000	A BB	16516.	40.000 UG/L	2.
2	136	724	12 04	2	1.000	A BV	53841.	40.000 UG/L	2.
3	164	987	16 37	3	1.000	A BB	29320	40.000 UG/L	2
4	138	1225	20 25	4	1.000	A BB	37046	40.000 UG/L	2
5	240	1643	27 23	5	1.000	A BB	25109	40.000 UG/L	2.
6	264	1926	32 06	6	1.000	A BB	22105.	40.000 UG/L	2
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R Fac	R.Fac(L)	Ratio
1	8:39	1.03	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:58	1.01	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16.36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20.25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27.23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32.18	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5.30		0.619						
8	6.27		0.726						
9	7.09		0.805						
10	8.11		0.921						
11	9.56		1.118						
12	9.58		1.122						
13	9.58		1.122						
14	10:00		1.126						
15	10:04		1.133						
16	10:44		0.887						
17	12:42		1.050						
18	12:22		1.022						
19	12.28		1.030						
20	13.16		1.096						
21	13:43		1.134						
22	14.28		0.868						
23	15:03		0.903						
24	16.04		0.964						
25	17:14		1.034						
26	17:20		1.040						
27	17:31		1.051						
28	18:06		0.884						
29	18:08		0.885						
30	18:22		0.897						
31	19:01		0.928						
32	19:56		0.924						
33	19:14		0.939						
34	19.15		0.940						
35	19:14		0.939						
36	19:40		0.960						
37	20:00		0.976						
38	20:04		0.980						
39	20.22		0.994						
40	20:35		1.005						
41	21:24		1.045						
42	22:28		1.097						
43	22.35		1.103						
44	22:42		1.108						
45	22:53		1.117						
46	23:21		1.140						
47	24:38		0.897						
48	24.51		0.905						
49	25:04		0.913						
50	25.12		0.918						

Quantitation Report File C740408D

Data C740408D.TI
04/08/91 13:11.00
Sample SSTD500 4-138-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL +10UL INT Instrument 4501 Weight 0.000
Submitted by ITAS-PIT Analyst SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp Fac from average of the 1 closest data points in RL

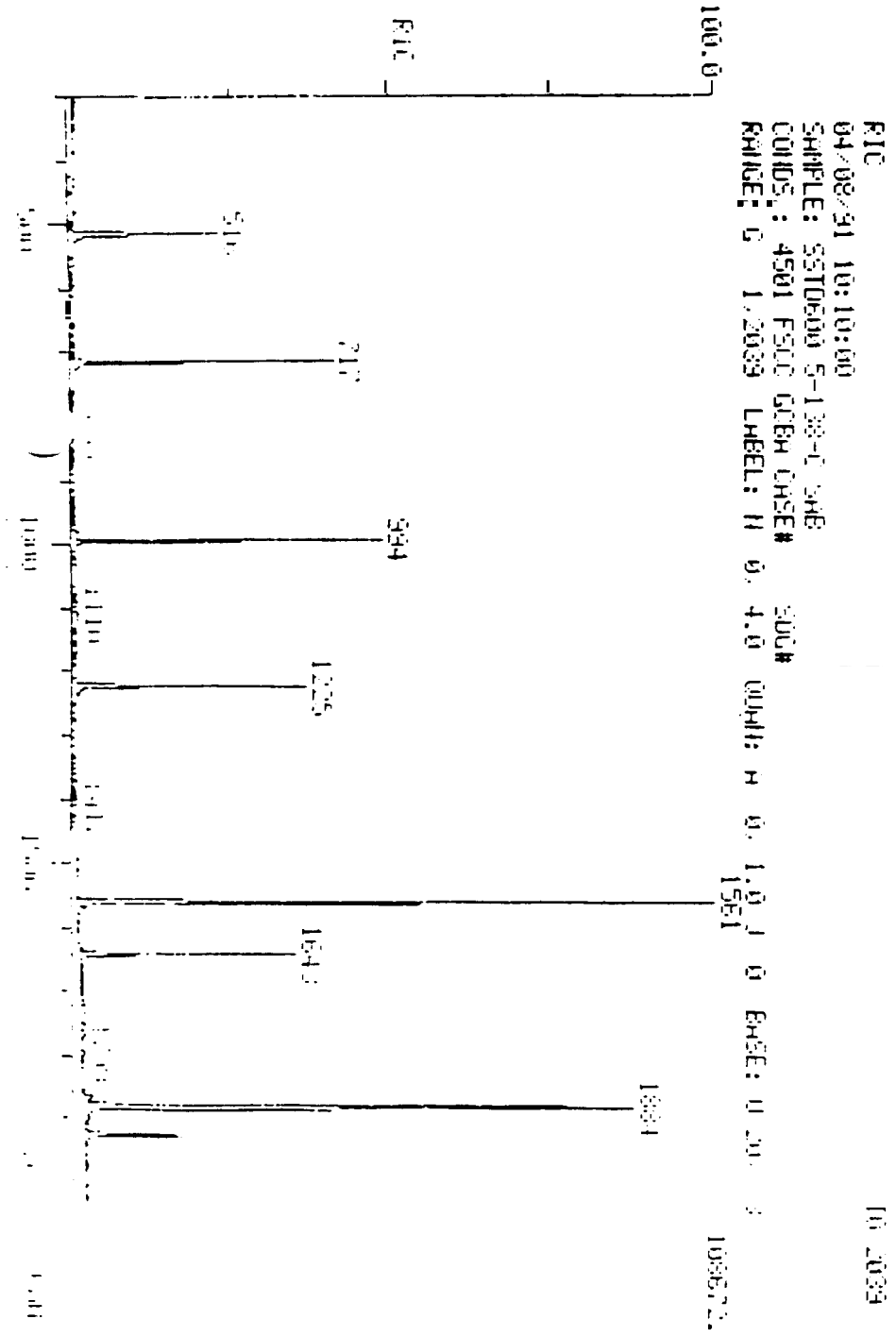
No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	212	1561	26.01	5	0.950	A BB	311	500.000 UG/L	28.75
52	272	1561	26.01	5	0.350	A OB	25914	500.000 UG/L	28.75
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	196	1882	31.22	4	0.977	A BB	31637	500.000 UG/L	29.75

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	26.01	1.00	3.950	1.00	500.00	500.00	0.001	0.001	1.00
52	26.01	1.00	0.950	1.00	500.00	500.00	0.083	0.383	1.00
53	26.38		0.970						
54	30.49		0.956						
55	33.44		1.046						
56	30.38		1.007						
57	15.37		0.937						
58	31.23	1.00	0.977	1.00	500.00	500.00	0.114	0.114	1.00

3200638

DICHLOROBENZENE-D4	IS#1	AT SCAN	516
THALENE-D8	IS#2	AT SCAN	717
ACENAPTHENE-D10	IS#3	AT SCAN	994
PHENANTHRENE-D10	IS#4	AT SCAN	1225
CHRYSENE-D12	IS#5	AT SCAN	1643
PERYLENE-D12	IS#6	AT SCAN	1930
E-FLUOROPHENOL	SS#1	AT SCAN	0
PHENOL-D6	SS#2	AT SCAN	0
NITROBENZENE	SS#3	AT SCAN	0
E-FLUOROBIPHENYL	SS#4	AT SCAN	0
TRIBROMOPHENOL	SS#5	AT SCAN	0
TERPHENYL-D14	SS#6	AT SCAN	0



7.0 nnn

Quantitation Report File C440408D

Data: C440408D.TI
04/08/91 10:10:00
Sample: SSTD600 5-138-C SAB
Bonds: 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4501 Weight: 0.000
Submitted by: ITAS-PIT Analyst: SAB Acct No:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-D10 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD
6	CI75 PERYLENE-D12 INTERNAL STD
7	AP05 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIPHLATE
36	AP35 DIMETHOATE
37	AP36 O-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTON
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	516	8 36	1	1 000	A BB	15881	40.000 UG/L	1 96
2	136	717	11 57	2	1 000	A BB	56722.	40 000 UG/L	1 96
3	124	994	16 34	3	1.000	A BB	30469	40.000 UG/L	1 96
4	138	1225	20 25	4	1.000	A BB	42186.	40.000 UG/L	1 96
5	240	1643	27 23	5	1 000	A BB	32019	40 000 UG/L	1 96
6	264	1929	32 09	6	1.000	A BB	28884.	40.000 UG/L	1 96
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R Fac	R Fac(L)	Ratio
1	8:52	0.97	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:04	0.99	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	15:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:[illegible]	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	6:[illegible]		1.519						
8	6:27		0.726						
9	7:[illegible]		1.205						
10	8:11		1.921						
11	9:56		1.118						
12	9:58		1.122						
13	9:58		1.122						
14	10:00		1.126						
15	10:04		1.132						
16	10:44		0.887						
17	12:42		1.050						
18	12:22		1.022						
19	12:28		1.030						
20	13:16		1.096						
21	13:43		1.134						
22	14:28		0.868						
23	15:03		0.903						
24	16:04		0.964						
25	17:14		1.034						
26	17:20		1.040						
27	17:31		1.051						
28	18:06		0.884						
29	18:08		0.885						
30	18:22		0.897						
31	18:01		0.928						
32	18:56		0.924						
33	19:14		0.939						
34	19:15		0.940						
35	19:14		0.939						
36	19:40		0.960						
37	20:00		0.976						
38	20:04		0.980						
39	20:22		0.994						
40	20:35		1.005						
41	21:24		1.045						
42	22:28		1.097						
43	22:35		1.103						
44	22:42		1.108						
45	22:53		1.117						
46	23:21		1.140						
47	24:38		0.897						
48	24:51		0.905						
49	25:04		0.913						
50	25:12		0.918						

Data: C440408D.TI
04/08/91 10:10:00
Sample: SSTD6CO 5-138-C SAB
Conds: 4501 FSCC GCBA CASE# SDG#
Formula: 10L -10UL INT Instrument: 4501 Weight: 0.000
Submitted by: ITAS-PIT Analyst: SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp Fac from average of the 1 closest data points in RL

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	212	1561	26.01	5	0.950	A BB	500.	600.000 UG/L	29.42
52	272	1561	26.01	5	0.950	A BV	30004.	600.000 UG/L	29.42
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	196	1884	31.24	5	0.977	A BV	48831.	600.000 UG/L	29.42

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	26.02	1.00	0.950	1.00	600.00	600.00	0.001	0.001	1.0
52	26.03	1.00	0.951	1.00	600.00	600.00	0.062	0.062	1.00
53	26.38		0.970						
54	20.49		0.956						
55	33.44		1.046						
56	20:38		1.007						
57	15.37		0.937						
58	31.25	1.00	0.977	1.00	600.00	600.00	0.113	0.113	1.00

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: IT PITTSBURGH Contract: 365020

Lab Code: ITPA Case No.: EC3165 SAS No.: _____ SDG No.: GENERA

Lab File ID: C3404090 DFTPP Injection Date: 04/09/91

Instrument ID: 4301 DFTPP Injection Time: 0733

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	41.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	42.9
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.5
275	10.0 - 30.0% of mass 198	19.8
365	Greater than 1.00% of mass 198	2.35
441	Present, but less than mass 443	6.5
442	Greater than 40.0% of mass 198	45.7
443	17.0 - 23.0% of mass 442	9.2 (20.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

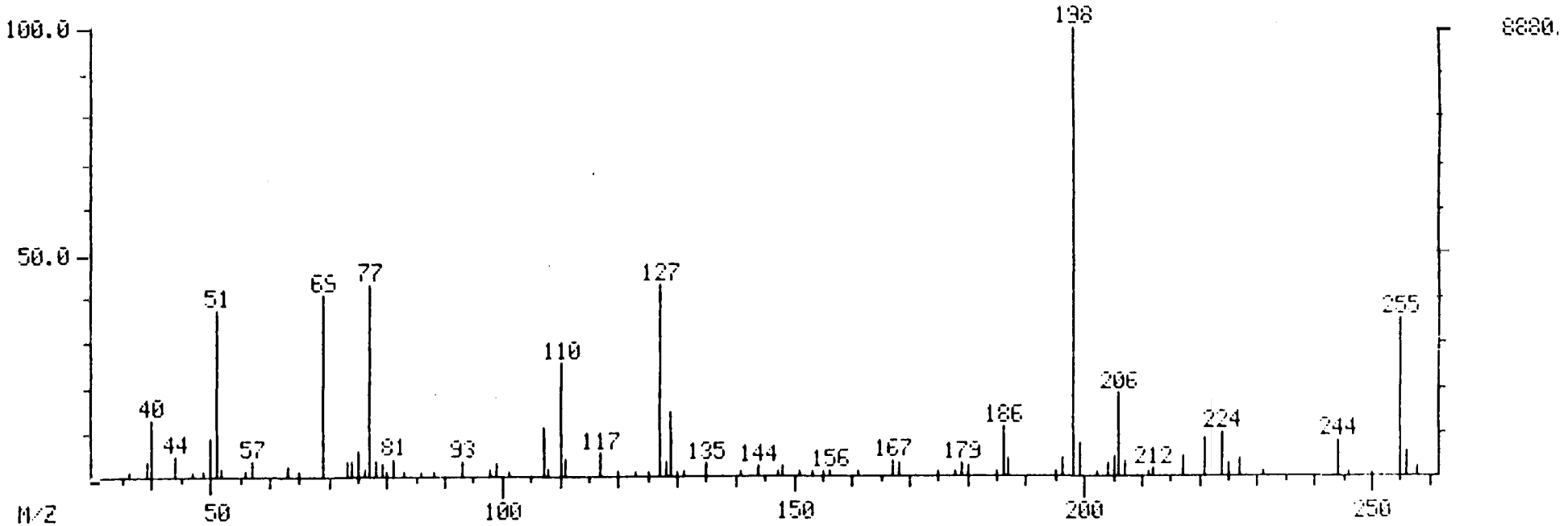
	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	C3404098	04/09/91	0925
02	P32W001	Q10316301	4020409B	04/09/91	1105
03	P32W066	Q10316502	4030409B	04/09/91	1155
04	P32WFB02	Q10316503	4040409B	04/09/91	1244

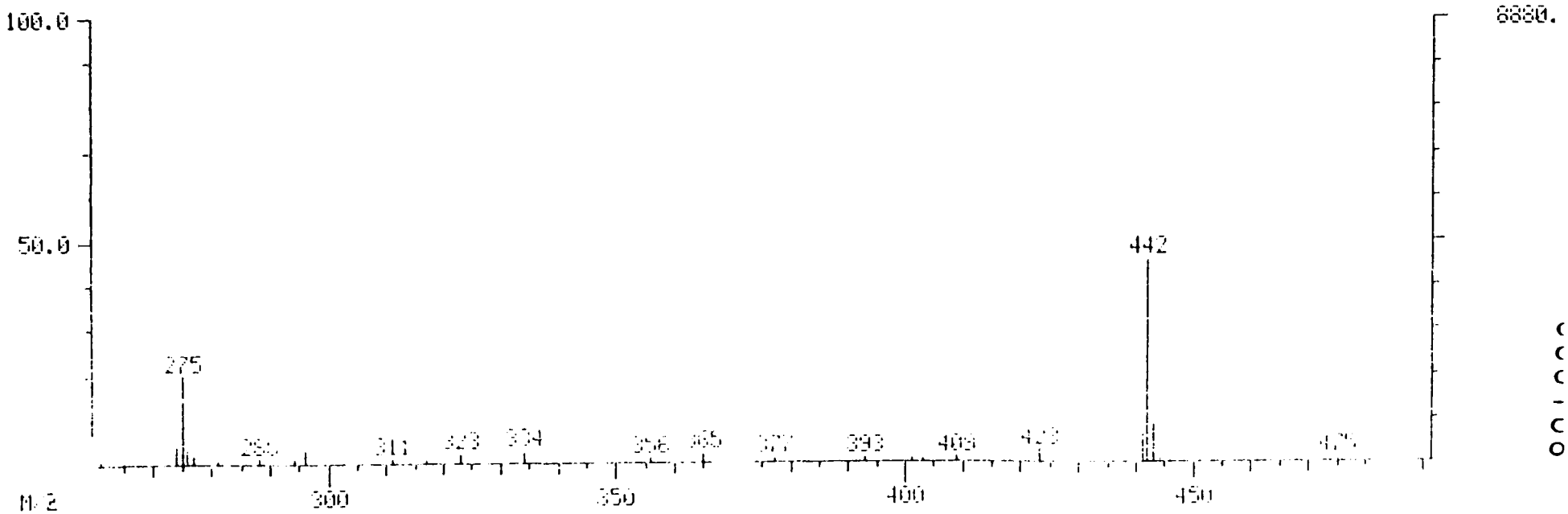
FORM V SV

MASS SPECTRUM
04/09/91 7:33:00 + 6:56
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
#416 TO #417 SUMMED

DATA: DF40409D #416
CALI: C940408N #2

BASE M/Z: 198
RIC: 63488.



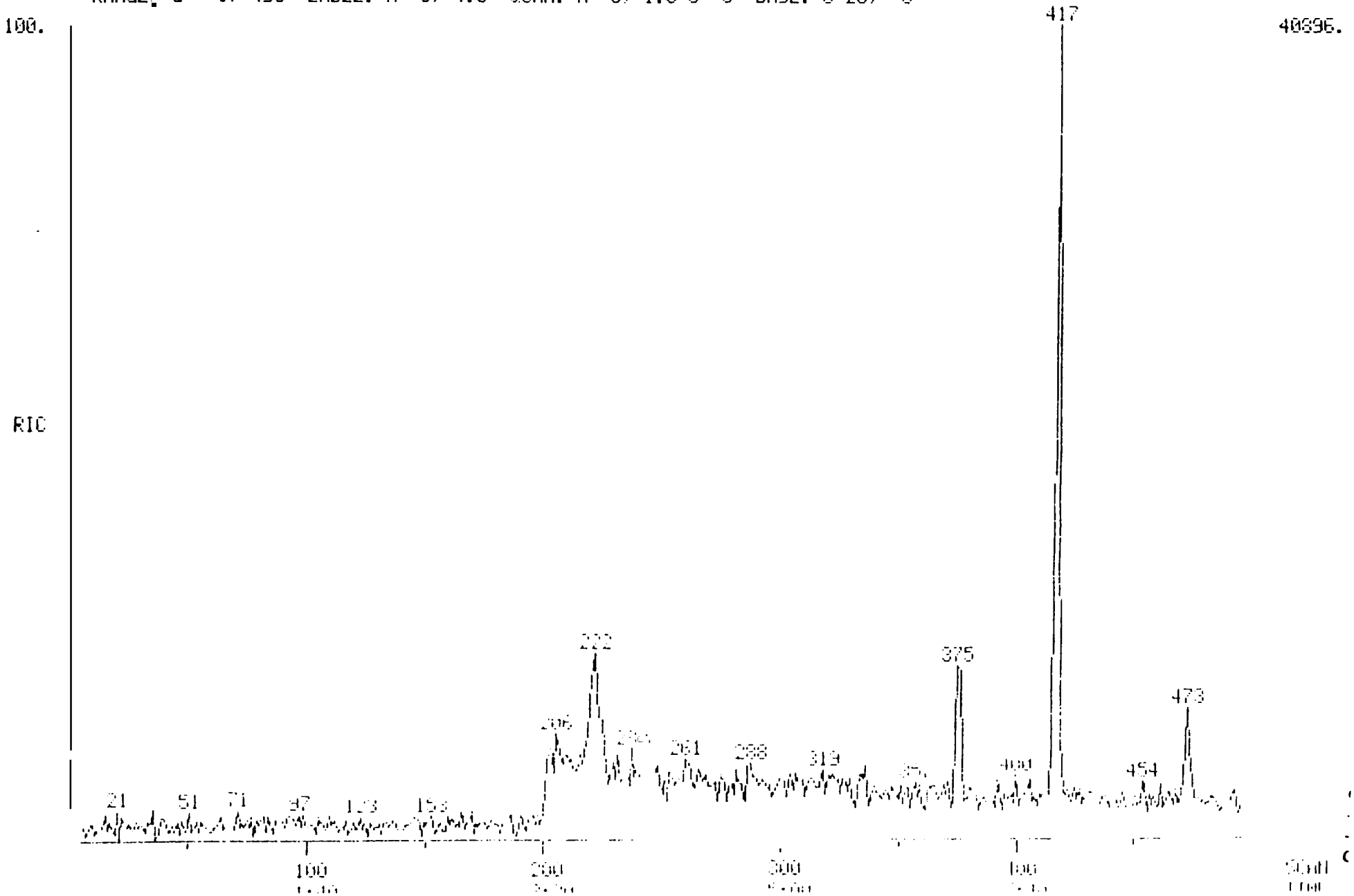


320C641

Mass List | Data DF40409D # 416 | Base m/z: 198
04/09/91 7 33 00 + 6 56 | Cali C940408N # 2 | RIC: 63488
Sample DFTPP 4-125-C SAD
Conds 4501 FSCC GCBA CASE# SDG#
16 50 #417 summed

36	0 00	0.	Minima	Min Inten:	88.
475			Maxima	# 0	
Mass	% RA	Inten.	Mass	% RA	Inten.
362	1 18	105	179	3.07	273.
392	3 77	335.	140	2.40	213.
402	13 06	1160	185	1.42	126.
442	4 79	425.	186	11.05	981.
472	1 15	102.	167	4.16	369.
492	1 10	98.	195	1.00	89.
502	8.72	774.	196	4.01	356.
512	36.94	3280.	198	100.00	8880.
522	1 73	154.	199	7.50	666.
562	1 09	97.	202	1.13	100.
572	3.50	311.	204	2.85	253.
632	2.27	202.	205	4.63	411.
69	40.95	3636.	206	18.76	1666.
73	3.51	312.	207	3.76	334.
74	3.52	313.	212	1.57	139.
75	6.00	533.	217	4.83	429.
76	1 70	151.	221	8.96	796.
77	43.02	3820.	224	9.82	872.
78	3 60	320.	225	3.10	275.
79	2.68	238.	227	4.11	365.
80	1.51	134.	231	0.99	88.
81	3 83	340.	244	8.41	747.
83	1.04	92.	246	1.09	97.
86	1 04	92.	255	35.54	3156.
93	3 67	326.	256	5.71	507.
98	1 67	148.	258	2.26	201.
99	3.12	277.	261	1.01	90.
101	1 40	124.	265	1.00	89.
107	11.24	998.	274	3.89	345.
108	1.58	140.	275	19.80	1758.
110	25.77	2288.	27.4	3.23	287.
111	4.02	357.	277	2.03	180.
117	5.47	486.	288	1.00	89.
125	1.05	93.	294	1.01	90.
127	42.93	3812.	296	4.14	360.
128	3.56	316.	317	0.99	88.
129	14.48	1286.	323	2.49	221.
130	1.07	95.	334	2.78	247.
131	1.01	90.	355	2.35	209.
135	3.16	281.	372	1 02	91.
141	1.45	129.	377	1.13	100.
144	2.24	199.	393	0.99	88.
147	1 15	102.	401	1.36	121.
148	2.21	1Sa.	403	1.02	91.
151	1.07	95.	423	3.19	283.
155	0.99	88.	441	6.54	581.
156	1.35	120.	442	45.68	4056.
167	3.65	324.	443	9.22	819.
168	2 20	249.	444	1.11	99.
175	1 23	109.	475	1.15	102.

RIC DATA: DF404090 #1 SCANS 1 TO 496
04/09/91 7:33:00 CALI: C940408N #2
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
RANGE: G 1, 496 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



320C642

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

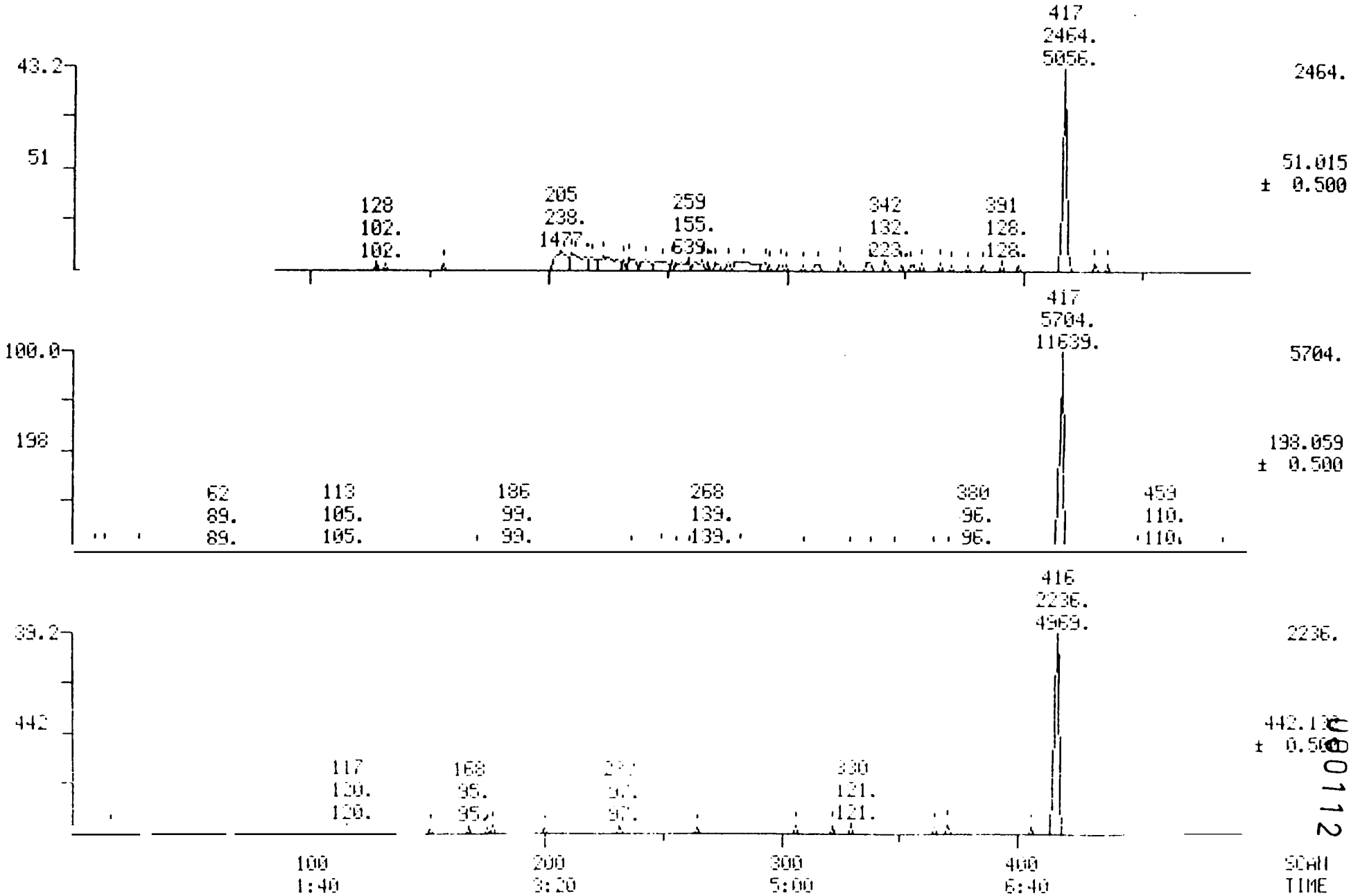
Case Number		Laboratory:		Contract:	
Inst ID	4501	Sens Date:	04/09/91	Sens Time:	7:33:00
Lab ID	DF434090	Cali Date:		Analyst:	SAB

Data release authorized by: _____

M/E Ion	Ion Abundance Criteria	Spec # 416	
51	30 to 60% of mass 198	36.94	
68	less than 2% of mass 69	0.00	(0.00)1
69	mass 69 relative abundance	40.95	
70	less than 2% of mass 69	0.00	(0.00)1
127	40 TO 60% of mass 198	42.93	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	7.50	
275	10 TO 30% of mass 198	19.80	
365	greater than 1% of mass 198	2.35	
441	less than mass 443	6.54	
442	greater than 40% of mass 198	45.68	
443	17 TO 23% of mass 442	9.22	(20.20) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

MASS CHROMATOGRAMS DATA: DF404090 #416 SCANS 1 TO 496
04/09/91 7:33:00 CALI: C940408N #2
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
RANGE: G 1, 496 LABEL: N 1 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20• 3



320 0643

U80112

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: IT PITTSBURGH Contract: 965020

Lab Code: ITPA Case No.: EC3165 SAS No.: _____ SDG No.: SEMBPA

Lab File ID: DF40412D DFTPP Injection Date: 04/12/91

Instrument ID: 4501 DFTPP Injection Time: 0827

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	40.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	51.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	51.2
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	8.1
275	10.0 - 30.0% of mass 198	20.6
365	Greater than 1.00% of mass 198	3.72
441	Present, but less than mass 443	7.5
442	Greater than 40.0% of mass 198	50.3
443	17.0 - 23.0% of mass 442	10.4 (20.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	C4404128	04/12/91	1149
02	SBLK1	SBLK-4-1-91	4030412B	04/12/91	1519

FORM V SV

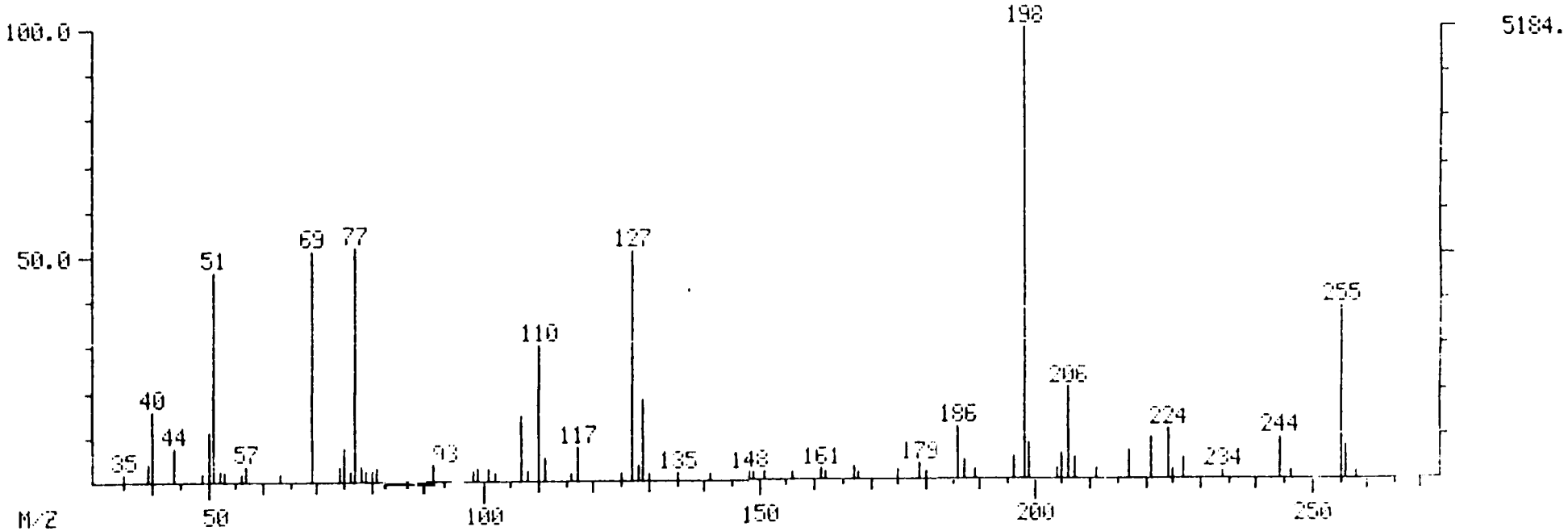
1/87 Rev.

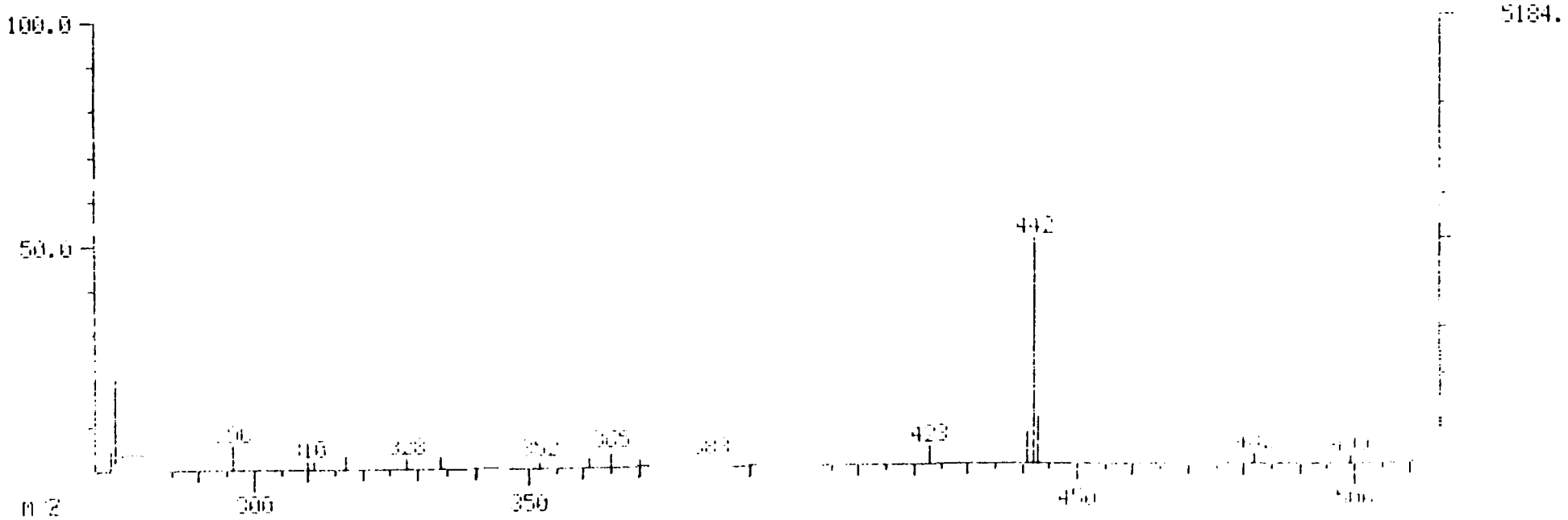
220C644

MASS SPECTRUM
04/12/91 8:27:00 + 6:51
SAMPLE: DFTPP 4-125-C SWB
CONDS.: 4501 FSCC GCBA CASE# SDG#
#411 TO #412 SUMMED

DATA: DF404120 #411
CAL: CALIT #2

BASE M/Z: 198
RIC: 41280.



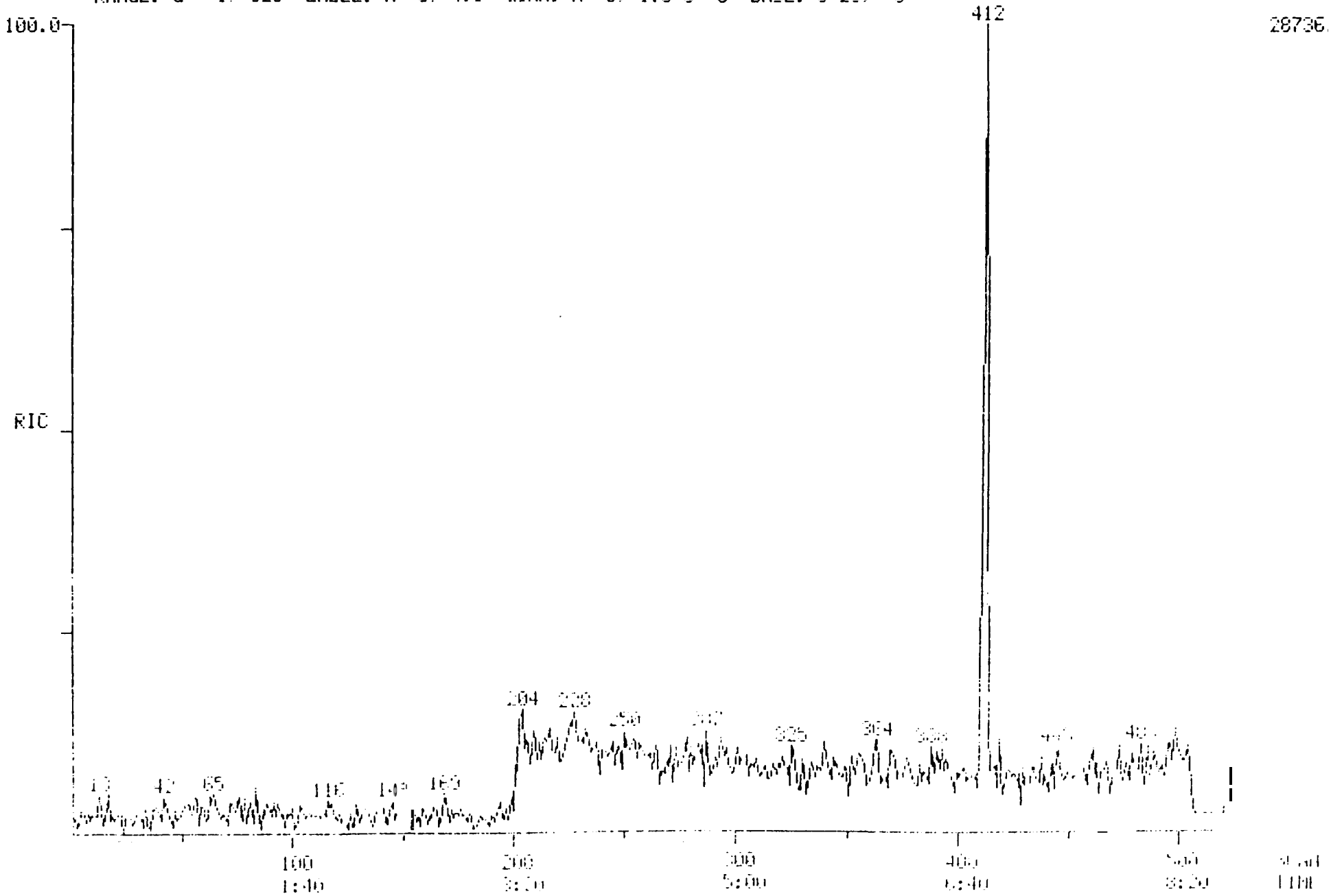


04/12/91 8:27:00 [illegible]
Sample: DFTPP 4-125-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
#411 to #412 summed

35	0.00	0.	Minima	Min	Inten	0.
99			Maxima	#	0	
ass	% RA	Inten.	Mass		% RA	Inten
357	[illegible]	[illegible]	186		11.58	515
387	1.86	200.	187		4.45	231.
407	[illegible]	[illegible]	189		2.16	112
447	[illegible]	[illegible]	196		5.17	268.
499	2.03	[illegible]	198		100.00	9184.
507	11.13	577.	199		8.07	418.
517	46.37	2404.	204		2.26	117.
527	2.55	132.	205		5.54	287.
537	2.14	111.	206		20.49	1062.
567	1.64	85	207		4.49	233.
577	3.28	170.	211		2.14	111.
637	2.03	105.	217		6.15	319.
69	51.16	2652.	221		9.14	475.
74	3.36	174.	224		11.01	571.
75	7.50	389.	225		2.14	111.
76	2.16	112.	227		4.86	252.
77	51.70	2680.	234		1.93	100.
78	3.28	170.	244		9.20	477.
79	2.35	122.	246		1.48	87.
80	2.26	117.	255		38.39	1990.
81	3.01	156.	256		7.33	380.
93	3.38	175.	258		1.70	88.
98	2.85	148.	274		4.73	245.
99	2.68	139.	275		20.56	1066.
101	2.76	143	276		3.68	191.
102	1.58	82	296		5.21	270.
107	14.78	766	310		1.66	86.
108	2.18	113	311		1.60	83.
110	30.13	1562.	317		3.26	169.
111	5.15	267.	328		2.20	114.
116	1.60	83.	334		2.72	141.
117	7.66	397.	352		1.62	84.
125	1.58	82.	361		2.08	108.
127	51.23	2656.	365		3.72	193.
128	3.24	168.	370		1.72	89.
129	18.09	938.	383		1.76	91.
130	1.60	83.	423		4.30	223.
135	1.70	88.	441		7.54	391.
141	1.79	93.	442		50.31	2608.
148	1.91	99.	443		10.36	537.
149	1.76	91.	482		2.08	108
151	1.85	96.	499		1.74	91
156	1.81	94.				
161	2.04	106.				
162	1.79	93.				
167	3.09	160.				
168	2.01	104.				
175	2.60	135.				
179	3.28	170.				
180	1.97	102.				

320C640

RIC DATA: DF40412D #1 SCANS 1 TO 525
04/12/91 8:27:00 CALI: CALIT #2
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
RANGE: G 1, 525 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:		Laboratory:		Contract:	
Test ID	4501	Sens Date:	04/12/91	Sens Time:	8:27:00
Lab ID	DF404120	Cali Date		Analyst:	SAB

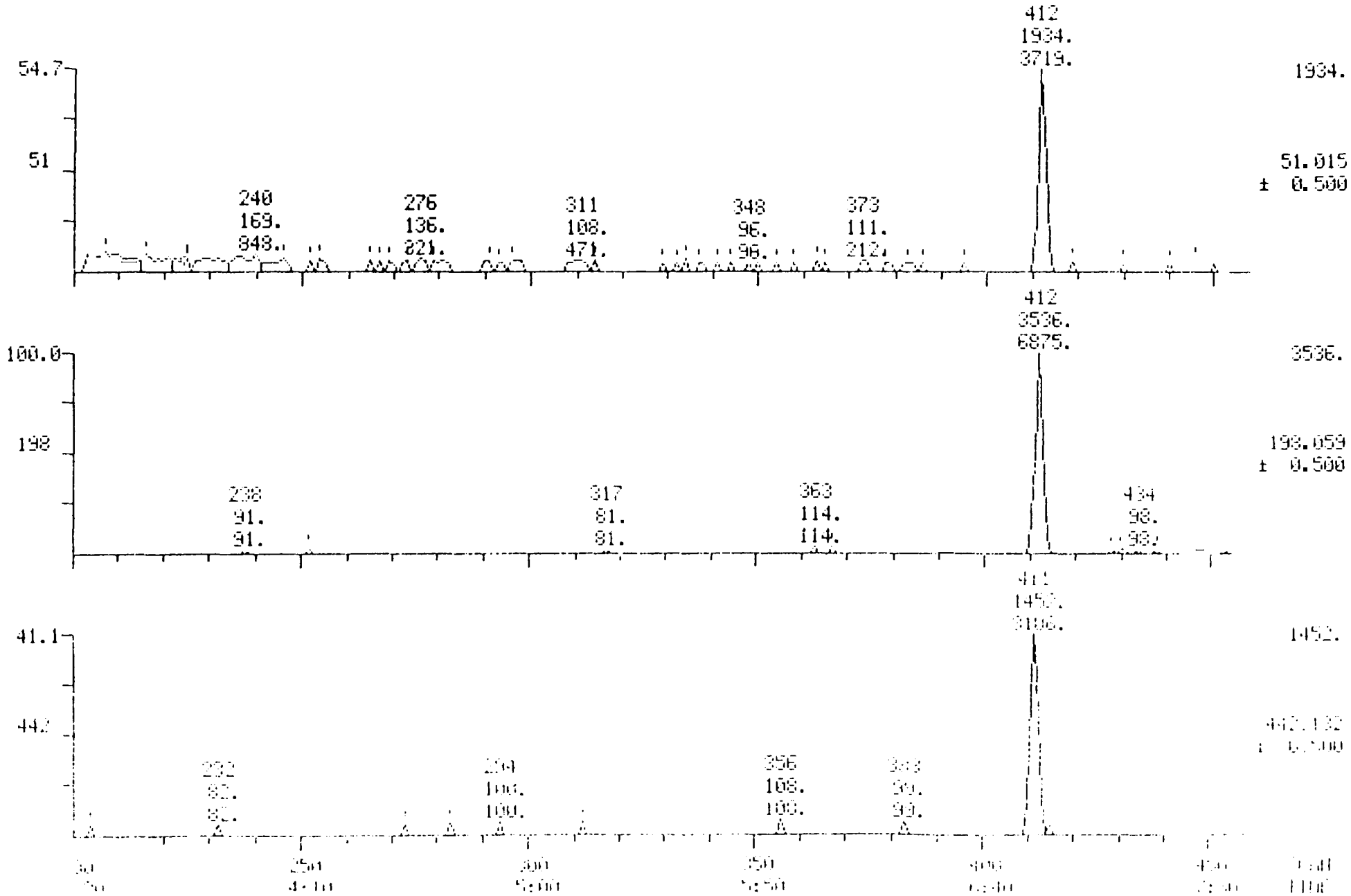
Data release authorized by: _____

M/Z	Ion Abundance Criteria	Spec # 411	
51	30 to 60% of mass 198	45.37	
68	less than 2% of mass 69	0.00	(0.00) 1
69	mass 69 relative abundance	**51.16**	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	51 ***23***	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	a.06	
275	10 TO 30% of mass 198	***20.56***	
365	greater than 1% of mass 198	***3*** 72	
441	less than mass 443	***7*** 54	
442	greater than 40% of mass 198	50.31	
443	17 TO 23% of mass 442	**10.36**	(20.59) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

320064

MASS CHROMATOGRAMS DATA: DF404120 #411 SCANS 200 TO 458
04/12/91 8:27:00 CALI: CALIT #2
SAMPLE: DFTPP 4-125-C SAB
CONDS.: 4501 FSCC GCBA CASE * SDG#
RANGE: G 1, 450 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



APPENDIX IX SEMIVOLATILE COMPOUNDS
(Page 1)

Case No: STAND Region: Calibration Date: 04/09/91
Contractor: IT PITTSBURGH Time: 9:35
Contract No: Laboratory ID: C340409B
Instrument ID: 4501 Initial Cali. Date: 04/04/91

Compound		AVE RF	RF(50)	% G	CCC	SPCC
N-NITROSODIMETHYLAMINE		1.111	1.255	-13.0		
N-NITROSOMETHYLETHYLAMINE . .		0.820	0.860	-4.9		
2-PICOLINE		0.891	0.831	6.7		
Phenol.		2.146	2.332	-8.7	*	
Aniline		2.135	2.196	-2.9		
bis(2-Chloroethyl)Ether . . .		1.880	1.930	-2.7		
2-Chlorophenol		1.508	1.555	-3.1		
1,3-Dichlorobenzene		1.465	1.524	-4.0		
1,4-Dichlorobenzene		1.485	1.594	-7.3	*	
Benzyl Alcohol		0.905	0.925	-2.2		
1,2-Dichlorobenzene		1.411	1.498	-6.2		
bis(2-Chloroisopropyl)Ether .		2.528	2.539	-0.4		
N-Nitroso-Di-n-Propylamine . .		1.146	1.174	-2.4		* *
Hexachloroethane		8.703	8.737	-4.8		
Nitrobenzene		0.428	0.441	-3.0		
Isophorone		0.790	0.830	-5.1		
2-Nitrophenol		0.204	0.225	-18.3	•	
2,4-Dimethylphenol		0.345	0.357	-3.5		
bis(2-Chloroethoxy)Methane . .		0.544	0.570	-4.8		
2,4-Dichlorophenol		0.274	0.285	-4.0	*	
1,2,4-Trichlorobenzene		0.285	0.305	-7.0		
Naphthalene		0.952	1.034	-8.6		
4-Chloroaniline		0.302	0.223	26.2		
Hexachlorobutadiene		0.125	0.133	-6.4	•	
4-Chloro-3-Methylphenol . . .		0.333	0.342	-2.7	•	
2-Methylnaphthalene		0.603	0.648	-7.5		
Hexachlorocyclopentadiene . .		0.139	0.155	-11.5		* *
2,4,6-Trichlorophenol		0.279	0.138	-6.3	*	
2,4,5-Trichlorophenol	x	0.344	0.387	-12.5		
2-Chloronaphthalene		1.190	1.280	-7.6		
2-Nitroaniline	x	0.415	0.420	-1.2		
Dimethyl Phthalate		1.158	1.282	-18.7		
Acenaphthylene		1.541	1.693	-9.9		
2,6-Dinitrotoluene		0.439	0.349	20.5		
3-Nitroaniline	x	0.235	0.191	18.7		
Acenaphthene		0.966	1.082	-12.0	*	
2,4-Dinitrophenol	x	0.139	0.142	-2.8		* +
4-Nitrophenol	x	0.082	0.112	-36.6		* *
Dibenzofuran		1.447	1.544	-6.7		
2,4-Dinitrotoluene		0.387	0.420	-8.5		
Diethylphthalate		1.169	1.269	-5.6		
4-Chlorophenyl-phenylether . .		0.420	0.452	-7.6		
Fluorene		1.877	1.200	-11.4		
4-Nitroaniline	x	0.161	0.203	-26.1		
4,6-Dinitro-2-Methylphenol . .	x	0.275	0.301	-9.5		
N-Nitrosodiphenylamine (1) . .		0.459	0.468	-2.0	*	
4-Bromophenyl-phenylether . .		0.194	0.207	-6.7		
Hexachlorobenzene		0.194	0.202	-4.1		
Pentachlorophenol	x	0.137	0.149	-8.0	*	

APPENDIX IX SEMIVOLATILE COMPOUNDS

(Page 2)

Case No: STAND Region: Calibration Date: 04/09/91

Contractor: IT PITTSBURGH Time: 9:25

Contract No: Laboratory ID: 03404098

Instrument ID: 4501 Initial Cali. Date: 04/04/91

Compound	AVE RF	RF(50)	% D	CCC	SPCC
Phenanthrene	1.046	1.088	-4.0		
Anthracene	0.933	1.053	-12.9		
Di-n-Butylphthalate	1.059	1.381	-38.4		
Fluoranthene	0.983	1.328	-4.6	*	
Pyrene	1.508	1.575	-4.4		
Butylbenzylphthalate	0.796	0.804	-1.0		
3,3'-Dichlorobenzidine	0.348	8.317	a.9		
Benzo(a)Anthracene	1.189	1.236	-4.a		
Chrysene	0.955	1.052	-1121.2		
bis(2-Ethylhexyl)Phthalate . .	1.021	1.101	-7.8		
Di-n-Octyl Phthalate	1.666	1.767	-@1.	*	
Benzo(b)Fluoranthene	1.111	1.206	-d.6		
Benzo(k)Fluoranthene	1.040	1.200	-15.4		
Benzo(a)Pyrene	1.046	1.107	-5.a	+	
Indeno(1,2,3-cd)Pyrene	1.044	1.091	-4.5		
Dibenz(a,h)Anthracene	0.869	0.885	-2.3		
Benzo(g,h,i)Perylene	0.937	8.933	-8.6		
TOTAL METHYLPHENOL	1.198	1.376	-14.9		* *
PYRIDINE	1.349	1.448	-6.7		* *
2,3,4,6-TETRACHLOROPHENOL . .	0.274	a.290	-5.a		* *

APPENDIX IX SEMIVOLATILE COMPOUNDS
(Page 1)

Case No: STAND Region: Calibration Date: 04/09/91
Contractor: IT PITTSBURGH Time: 9:35
Contract No: Laboratory ID: C340409B
Instrument ID: 4581 Initial Cali. Date: 04 04/91

Compound		AVE RF	RF(50)	% D	CCC	SPCC
N-NITROSODIMETHYLAMINE		1.111	1.255	-13.0		
N-NITROSOMETHYLETHYLAMINE . .		0.820	0.860	-4.3		
2-PICOLINE		0.891	8.831	6.7		
Phenol		2.146	2.332	-8.7	•	
Aniline		2.135	2.196	-2.9		
bis(2-Chloroethyl)Ether . . .		1.880	1.930	-2.7		
2-Chlorophenol		1.589	1.555	-3.1		
1,3-Dichlorobenzene		1.465	1.524	-4.8		
1,4-Dichlorobenzene		1.485	1.594	-7.3	*	
Benzyl Alcohol		0.385	0.925	-2.2		
1,2-Dichlorobenzene		1.411	1.449	-6.2		
bis(2-Chloroisopropyl)Ether .		2.528	2.539	-8.4		
N-Nitroso-Di-n-Propylamine . .		1.146	1.174	-2.4		* *
Hexachloroethane		0.703	0.737	-4.8		
Nitrobenzene		0.428	0.441	-3.8		
Isophorone		0.790	0.838	-5.1		
2-Nitrophenol		8.284	0.225	-18.3	*	
2,4-Dimethylphenol		0.545	0.357	-3.5		
bis(2-Chloroethoxy)Methane . .		8.544	8.578	-4.8		
2,4-Dichlorophenol		0.274	0.285	-4.0	•	
1,2,4-Trichlorobenzene		8.285	0.305	-7.8		
Naphthalene		0.952	1.034	-9.6		
4-Chloroaniline		0.302	0.223	26.2		
Hexachlorobutadiene		8.125	0.133	-6.4	*	
4-Chloro-3-Methylphenol . . .		8.333	8.342	-2.7	*	
2-Methylnaphthalene		0.603	0.648	-7.5		
Hexachlorocyclopentadiene . .		8.139	0.155	-11.5		* *
2,4,6-Trichlorophenol		0.290	8.298	-2.8	*	
2,4,5-Trichlorophenol	x	0.344	8.397	-12.5		
2-Chloronaphthalene		1.413	1.280	9.8		
2-Nitroaniline	x	8.415	0.420	-1.2		
Dimethyl Phthalate		1.158	1.282	-18.7		
Acenaphthylene		1.541	1.693	-9.3		
2,6-Dinitrotoluene		1.541	1.693	-9.9		
5-Nitroaniline	x	0.235	8.191	18.7		
Acenaphthene		0.966	1.082	-12.0	*	
2,s-Dinitrophenol	x	8.139	0.142	-2.2		* *
4-Nitrophenol	x	0.082	8.112	-36.6		* *
Dibenzofuran		1.447	1.544	-6.7		
2,4-Dinitrotoluene		0.307	0.420	-8.5		
Dietnylphthalate		1.169	1.269	-8.6		
4-Chlorophenyl-phenylether . .		0.420	8.452	-7.6		
Fluorene		1.877	1.280	-11.4		
4-Nitroaniline	x	0.162	0.203	-25.3		
4,6-Dinitro-2-Methylphenol . .	x	0.275	8.381	-9.5		
N-Nitrosodiphenylamine (1) . .		8.459	8.468	-2.0	*	
4-Eromopheny1-phenylether . .		8.194	8.207	-6.7		
Hexachlorobenzene		0.194	0.202	-4.1		
Pentachlorophenol	x	8.137	8.149	-8.8	•	

APPENDIX IX SEMIVOLATILE COMPOUNDS

(Page 2)

Case No: STAND Region: _____ Calibration Date: 04/09/91

Contractor: IT PITTSBURGH Time: 9:35

Contract No: _____ Laboratory ID: C340409B

Instrument ID: 4501 Initial Cali. Date: 04/84/91

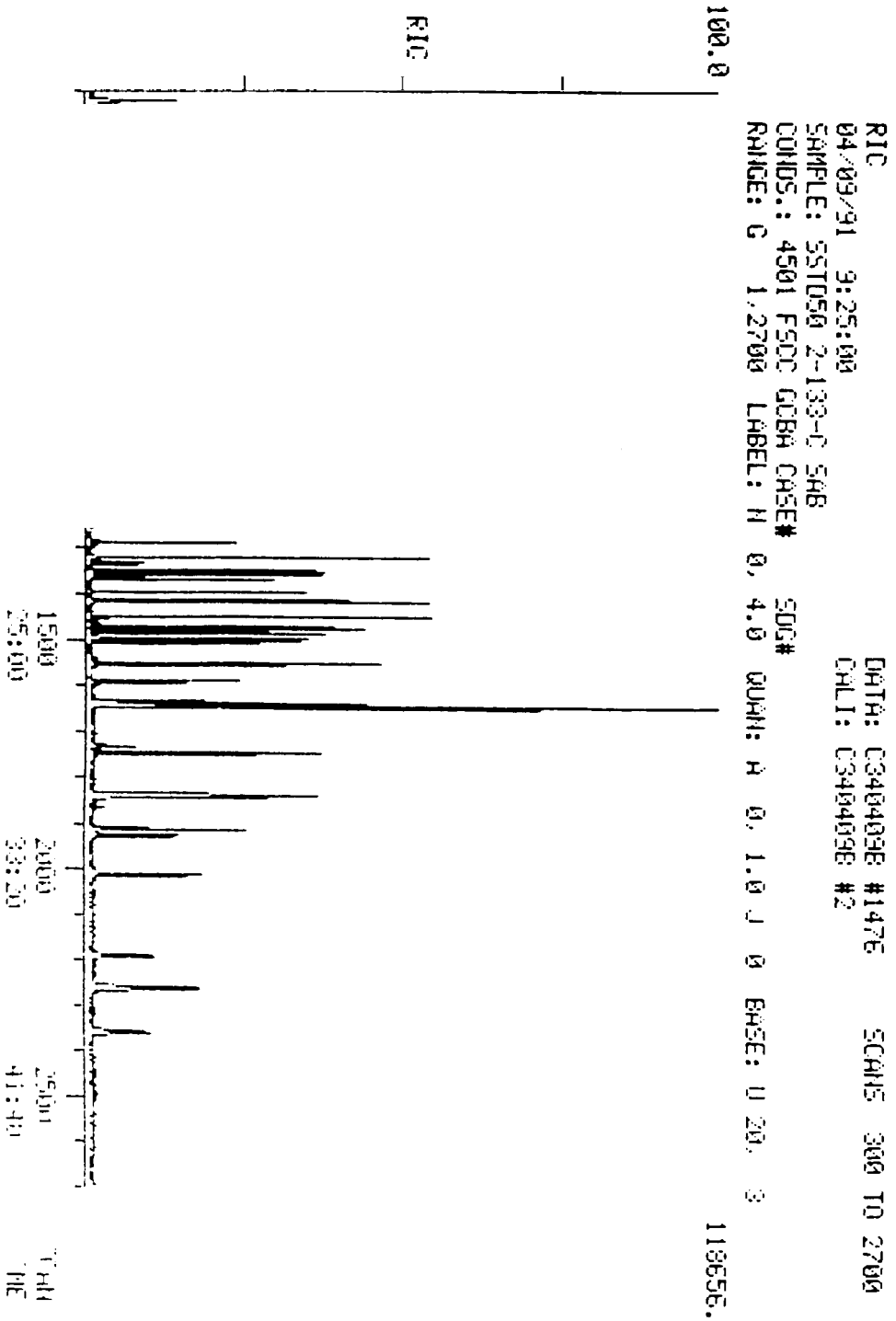
Compound	AVE RF	RF(50)	% D	CCC	SPCC
Phenanthrene	1.846	1.088	-4.8		
Anthracene	0.933	1.053	-12.9		
Di-n-Butylphthalate	1.288	1.381	-7.2		
Fluoranthene	0.983	1.038	-4.6	*	
Pyrene	1.508	1.575	-4.4		
Butylbenzylphthalate	0.796	8.384	-1.0		
3,3'-Dichlorobenzidine	8.348	8.517	8.4		
Benzo(a)Anthracene	1.189	1.236	-4.0		
Chrysene	0.955	1.052	-10.2		
bis(2-Ethylhexyl)Phthalate . .	1.021	1.101	-7.8		
Di-n-Octyl Phthalate	1.666	1.767	-6.1	•	
Benzo(b)Fluoranthene	1.133	1.206	-6.4		
Benzo(k)Fluoranthene	1.042	1.200	-15.2		
Benzo(a)Pyrene	1.046	1.107	-5.8	*	
Indeno(1,2,3-cd)Pyrene	1.844	1.091	-4.5		
Dibenz(a,h)Anthracene	0.865	0.885	-2.3		
Benzo(g,h,i)Perylene	8.927	0.933	-8.6		
TOTAL METHYLPHENOL	1.148	1.376	-14.9		* *
PYRIDINE	1.344	1.448	-6.7		* *
2,3,4,6-TETRACHLOROPHENOL . .	8.274	8.290	-5.9		* *

APPENDIX IX SEMIVOLATILE COMPOUNDS
(Page 1)

Case No: STAND Region: _____ Calibration Date: 04/09/91
Contractor: IT PITTSBURGH Time: 8:..
Contract No: _____ Laboratory ID: C3+2409D
Instrument ID: 4501 Initial Calib. Date: 04/04/91

Compounds	A.E.RF	RF(50)	% D	???	???
METHYL METHANESULFONATE . . .	0.876				
N-NITROSODIETHYLAMINE	0.728	0.759	-4.3		
ETHYLMETHANESULFONATE	1.236	1.243	-0.6		
PENTACHLOROETHANE	0.530	0.597	-12.6		
N-NITROSOPYRROLIDINE	0.793	0.789	-0.8		
ACETOPHENONE	1.906	2.062	-8.2		
N-NITROSOMORPHOLINE	0.676	0.658	2.1		
P-PHENYLENEDIAMINE	2.433	2.752	-13.1		
O-TOLUIDINE	1.996	2.062	-8.8		
N-NITROSOPIPERIDINE	0.309	0.311	-0.6		
ALPHA,ALPHA-DIMETHYLPHENETHYLA	0.178	0.075	57.9		
2,6-DICHLOROPHENOL	0.266	0.286	-7.5		
HEXACHLOROPROPENE	0.069	0.073	-5.8		
N-NITROSODI-N-BUTYLAMINE . . .	0.261	0.262	-0.4		
SAFROLE	0.256	0.271	-5.9		
1,2,4,5-TETRACHLOROBENZENE . .	0.434	0.495	-14.1		
ISOSAFROLE	0.497	0.523	-5.2		
M-DINITROBENZENE	0.194	0.226	-16.5		
PENTACHLOROBENZENE	0.351	0.392	-11.7		
1-NAPHTHYLAMINE	0.199	0.146	26.6		
2-NAPHTHYLAMINE	0.153	0.097	36.6		
5-NITRO-O-TOLUIDINE	0.185	0.192	-3.8		
DIPHENYLAMINE	0.918	0.937	-2.1		
SYM-TRINITROBENZENE	0.133	0.215	-61.7		
PHENACETIN	0.338	0.386	-14.2		
4-AMINOBIPHENYL	0.027	0.025	7.4		
PRONAMIDE	0.215	0.283	-31.6		
PENTACHLORONITROBENZENE . . .	0.078	0.080	-2.6		
4-NITROQUINOLINE-1-OXIDE . . .	0.049	0.073	-49.0		
METHAPYRILENE	0.513	0.485	5.5		
ISODRIN	0.136	0.147	-8.1		
ARAMITE	0.103	0.108	-4.9		
P-DIMETHLAMINOAZOBENZENE . . .	0.550	0.543	1.3		
3,3-DIMETHYLBENZIDINE	0.160	0.062	61.2		
KEPONE	0.083	~~0.016~~ 0.101	-21.7	MR 4/12/91	
2-ACETYLAMINOFLUORENE	0.493	0.523	-6.1		
7,12-DIMETHYLBENZ(A)ANTHRACENE	0.455	0.509	-11.9		
3-METHYLCHOLANTHRENE	0.545	0.562	-3.1		
DINOSEB	0.305	0.388	-27.2		
1,4-NAPHTHOQUINONE	0.266	0.250	6.0		
HEXACHLOROPHENE					

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	519
NAPHTHALENE-D8	IS#2	AT	SCAN:	719
ACENAPTHENE-D10	IS#3	AT	SCAN:	996
PHENANTHRENE-D10	IS#4	AT	SCAN:	1226
CHRYSENE-D12	IS#5	AT	SCAN:	1643
PERYLENE-D12	IS#6	AT	SCAN:	1928
2-FLUOROPHENOL	SS#1	AT	SCAN:	0
PHENOL-D6	SS#2	AT	SCAN:	468
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	891
TRIBROMOPHENOL	SS#5	AT	SCAN.	1119
TERPHENYL-D14	SS#6	AT	SCAN:	1476



Data C340409B TI
04/09/91 9 25 00
Sample SSTD50 2-133-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL +10UL INT Instrument. 4501 Weight 0 000
bmitted by ITAS-PIT Ana1yst SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac from average of the 1 closest data point; in .RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STG
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-D10 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD
6	CI75 PERYLENE-D12 INTERNAL STD
7	CS50 FLUOROPHENOL (SURROGATE)
8	CS45 PHENOL-D6 (SURROGATE)
9	CS20 NITROBENZENE-D5 (SURROGATE)
10	CS25 2-FLUOROBIPHENYL (SURROGATE)
11	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
12	CS30 TERPHENYL-D14
13	C320 ANILINE
14	C315 PHENOL CCC
15	C325 BIS(2-CHLOROETHYL)ETHER
16	C330 2-CHLUROPHENOL
17	C335 1,3-DICHLOROBENZENE
18	C340 1,4-DICHLOROBENZENE CCC
19	C345 BENZYL ALCOHOL
20	C350 1,2-DICHLUROBENZENE
21	C355 2-METHYLPHENOL
22	C360 BIS(2-CHLOROISOPROPYL)ETHER
23	C370 N-NITROSO-DI-N-PROPYLAMINE SPCC
24	C375 HEXACHLOROETHANE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL CCC
28	C425 2,4-DIMETHYLPHENOL
29	C430 BENZOIC ACID
30	C435 BIS(2-CHLOROETHOXY)METHANE
31	C440 2,4-DICHLOROPHENOL CCC
32	C445 1,2,4-TRICHLOROBENZENE
33	C450 NAPHTHALENE
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROHUTADIENE CCC
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE SPCC
39	C515 2,4,5-TRICHLOROPHENOL CCC
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLURONAPHTHALENE
42	C530 2-NITROANILINE
43	C535 DIMETHYL PHTHALATE
44	C540 ACENAPHTHYLENE
45	C543 2,6 DINITROTOLUENE
46	C545 '3-NITROANILINE
47	C550 ACENAPHTHEME CCC

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

000726

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	519	8:39	1	1.000	A BB	14870.	40.000 UG/L	0.94
2	134	719	11:59	2	1.000	A BB	56531.	40.000 UG/L	0.94
3	164	395	16.35	3	1.000	A BB	28046.	40.000 UG/L	0.94
4	188	1226	20:26	4	1.000	A BB	41835.	40.000 UG/L	0.94
5	240	1643	27:23	5	1.000	A BB	29193.	40.000 UG/L	0.94
6	264	1928	32:08	6	1.000	A BB	27126.	40.000 UG/L	0.94
7	112	323	5:23	1	0.622	A BB	24201.	50.000 UG/L	1.18
8	99	468	7:39	1	0.902	A BB	39358.	50.000 UG/L	1.18
9	82	648	10:48	2	0.901	A BB	58635.	50.000 UG/L	1.18
10	172	891	14:51	3	0.895	A BB	38938.	50.000 UG/L	1.18
11	330	1119	18:39	3	1.125	A BB	4466.	50.000 UG/L	1.18
12	244	1476	24:36	5	0.898	A BB	37128.	50.000 UG/L	1.18
13	33	473	7:53	1	0.911	A BV	40821.	50.000 UG/L	1.18
14	54	470	7:50	1	0.906	A BV	43338.	50.000 UG/L	1.18
15	93	482	8:02	1	0.929	A VV	35582.	50.000 UG/L	1.18
16	128	351	8:11	1	0.946	A BB	28907.	50.000 UG/L	1.18
17	146	514	8:34	1	0.990	A BV	28333.	50.000 UG/L	1.18
18	146	521	8:41	1	1.004	A VB	29628.	50.000 UG/L	1.18
19	108	543	9:03	1	1.046	A BB	17194.	50.000 UG/L	1.18
20	146	551	9:11	1	1.062	A BB	27839.	50.000 UG/L	1.18
21	108	563	9:23	1	1.085	A BB	29019.	50.000 UG/L	1.18
22	45	569	9:29	1	1.096	A BB	47201.	50.000 UG/L	1.18
23	70	590	3:50	1	1.137	A BB	21824.	50.000 UG/L	1.18
24	117	600	10:00	1	1.156	A BB	13701.	50.000 UG/L	1.18
25	77	411	10:11	2	0.850	A BB	31135.	50.000 UG/L	1.18
26	82	648	10:48	2	0.901	A BB	58635.	50.000 UG/L	1.18
27	139	661	11:01	2	0.919	A BB	15899.	50.000 UG/L	1.18
28	107	669	11:09	2	0.930	A BB	25241.	50.000 UG/L	1.18
23	122	684	11:24	2	0.951	A VB	8048.	50.000 UG/L	1.18
30	93	684	11:24	2	0.951	A BB	40309.	50.000 UG/L	1.18
31	162	699	11:39	2	0.972	A BB	20135.	50.000 UG/L	1.18
32	180	713	11:53	2	0.992	A BB	21559.	50.000 UG/L	1.18
33	129	722	12:02	2	1.004	A BV	73045.	50.000 UG/L	1.18
34	127	734	12:14	2	1.021	A VB	15731.	50.000 UG/L	1.18
35	225	752	12:32	2	1.046	A BB	9417.	50.000 UG/L	1.18
36	107	809	13:29	2	1.125	A BB	24148.	50.000 UG/L	1.18
37	142	830	13:50	2	1.154	A BB	45790.	50.000 UG/L	1.18
3Y	237	867	14:27	3	0.871	A BB	5438.	50.000 UG/L	1.18
33	146	878	14:38	3	0.882	A BV	10430.	50.000 UG/L	1.18
40	196	884	14:44	3	0.888	A VB	13583.	50.000 UG/L	1.18
41	162	906	15:06	3	0.911	M XX	44879.	50.000 UG/L	1.18
42	45	925	15:25	3	0.930	A BB	14719.	50.000 UG/L	1.18
43	163	959	15:59	3	0.964	A BB	44934.	50.000 UG/L	1.18
44	152	971	16:11	3	0.976	A BB	59349.	50.000 UG/L	1.18
45	165	968	16:08	3	0.973	A BB	12248.	50.000 UG/L	1.18
34	138	989	16:29	3	0.994	A BB	6697.	50.000 UG/L	1.18
47	153	1001	16:41	3	1.006	A BB	37918.	50.000 UG/L	1.18
48	184	1005	14:45	3	1.010	A BB	4971.	50.000 UG/L	1.18
49	109	1016	16:56	3	1.021	M XX	3941.	50.000 UG/L	1.18
50	168	1025	17:05	3	1.030	A BB	54125.	50.000 UG/L	1.18

3200600

NO	Ret(L)	Ratio	RAT	Ratio					
1	8:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:35	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:08	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:23	1.00	0.522	1.00	50.00	50.00	1.302	1.302	1.00
8	7.39	1.00	0.902	1.00	50.00	50.00	2.117	2.117	1.00
9	10:48	1.00	0.901	1.00	50.00	50.00	0.830	0.830	1.00
10	14:51	1.00	0.895	1.00	50.00	50.00	1.111	1.111	1.00
11	18:33	1.00	1.125	1.00	50.00	50.00	0.127	0.127	1.00
12	24:36	1.00	0.898	1.00	50.00	50.00	1.017	1.017	1.00
13	7:5.3	1.00	0.911	1.00	50.00	50.00	2.196	2.195	1.00
14	7:50	1.00	0.906	1.00	50.00	50.00	2.332	2.332	1.00
15	8:02	1.00	0.929	1.00	50.00	50.00	1.930	1.930	1.00
16	a:11	1.00	0.946	1.00	50.00	50.00	1.555	1.555	1.00
17	a:34	1.00	0.990	1.00	50.00	50.00	1.524	1.524	1.00
18	a:41	1.00	1.004	1.00	50.00	50.00	1.594	1.534	1.00
19	9:03	1.00	1.046	1.00	50.00	50.00	0.925	0.925	1.00
20	3.11	1.00	1.062	1.00	50.00	50.00	1.498	1.498	1.00
21	9:23	1.00	1.085	1.00	50.00	50.00	1.561	1.561	1.00
22	9:29	1.00	1.096	1.00	50.00	50.00	2.539	2.539	1.00
23	9:10	1.00	1.37	1.00	50.00	50.00	1.174	1.174	1.00
24	10:00	1.00	1.156	1.00	50.00	50.00	0.737	0.737	1.00
25	10:11	1.00	0.850	1.00	50.00	50.00	0.441	0.441	1.00
26	10:48	1.00	0.901	1.00	50.00	50.00	0.830	0.830	1.00
27	11:01	1.00	0.919	1.00	50.00	50.00	0.225	0.225	1.00
28	11:09	1.00	0.930	1.00	50.00	50.00	0.357	0.357	1.00
29	11:24	1.00	0.951	1.00	50.00	50.00	0.114	0.114	1.00
30	11:24	1.00	0.951	1.00	50.00	50.00	0.570	0.570	1.00
31	11:33	1.00	3.372	1.00	50.00	50.00	0.285	0.285	1.00
32	11.53	1.00	0.992	1.00	50.00	50.00	0.305	0.305	1.00
33	12:02	1.00	1.004	1.00	50.00	50.00	1.034	1.034	1.00
34	12:14	1.00	1.021	1.00	50.00	50.00	0.223	0.223	1.00
35	12:32	1.00	1.046	1.00	50.00	50.00	0.133	0.133	1.00
36	13:29	1.00	1.125	1.00	50.00	50.00	0.342	0.342	1.00
37	13:50	1.00	1.154	1.00	50.00	50.00	0.648	0.649	1.00
38	14:27	1.00	0.871	1.00	50.00	50.00	0.155	0.155	1.00
39	14:38	1.00	0.882	1.00	50.00	50.00	0.298	0.298	1.00
40	14:43	1.00	0.888	1.00	50.00	50.00	0.387	0.387	1.00
41	15:06	1.00	0.911	1.00	50.00	50.00	1.280	1.280	1.00
42	15:25	1.00	0.930	1.00	50.00	50.00	0.420	0.420	1.00
43	15:59	1.00	0.964	1.00	50.00	50.00	1.282	1.282	1.00
44	16:11	1.00	0.976	1.00	50.00	50.00	1.693	1.693	1.00
45	14:08	1.00	0.973	1.00	50.00	50.00	0.349	0.349	1.00
46	14:29	1.00	0.994	1.00	50.00	50.00	0.191	0.191	1.00
47	16:41	1.00	1.006	1.00	50.00	50.00	1.082	1.082	1.00
48	16:45	1.00	1.010	1.00	50.00	50.00	0.142	0.142	1.00
49	16:56	1.00	1.021	1.00	50.00	50.00	0.112	0.112	1.00
50	17:05	1.00	1.030	1.00	50.00	50.00	1.544	1.544	1.00

Data. C340409B. TI
04/09/91 9:25:00
Sample: SSTD50 2-133-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula. 1UL +10UL INT Instrument 4501 Weight: 0 CCO
Submitted by ITAS-PIT Analyst SAD Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * PESP FACT)
Resp fac from average of the 1 closest data points in RL

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROFHENYL-PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
54	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITRUSODIPHENYLAMINE (DIPHENYLAMINE) CCC
58	C625 4-BROMOPHENYL-PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLORUPHENOL CCC
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYL PHTHALATE
64	C655 FLUURANTHENE
65	C710 BENZIDINE
66	C715 PYPENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3'-DICHLORUBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C740 CHRYSENE
71	C745 BIS(2-ETHYLHEXYL) PHTHALATE
72	C760 DI-N-OCTYL PHTHALATE CCC
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE CCC
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZ(Ai H)ANTHRACENE
78	C730 BENZO(G,H,I)PERYLENE
79	EPG1 TOTAL (3 & 4 METHYL PHENOLS)
a0	EP02 PYRIDINE
81	EP03 2,3,4,6-TETRACHLOROPHENOL
82	AP02 N-NITROSODIMETHYLAMINE
8.3	AP03 N-NITROSOMETHYLETHYLAMINE
84	AP04 2-PICOLINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1029	17:09	3	1.034	A BB	14723.	50.000 UG/L	1.13
52	149	1069	17:49	3	1.074	A BB	44483.	50.000 UG/L	1.13
53	204	1078	17:58	3	1.083	A BB	15863.	50.000 UG/L	1.13
54	166	1080	18:00	3	1.085	A BB	42072.	50.00G UG/L	1.13
55	138	1087	18:07	3	1.092	A VB	7134.	50.000 UG/L	1.13
56	138	1093	18:13	4	0.892	A BV	15748.	50.000 UG/L	1.13
57	169	1098	18:18	4	0.896	A BB	48978.	100.000 UG/L	2.36
58	248	1155	19:15	4	0.942	A BB	10819.	50.000 UG/L	1.13
59	284	1179	19:39	4	0.962	A BB	10549.	50.000 UG/L	1.13

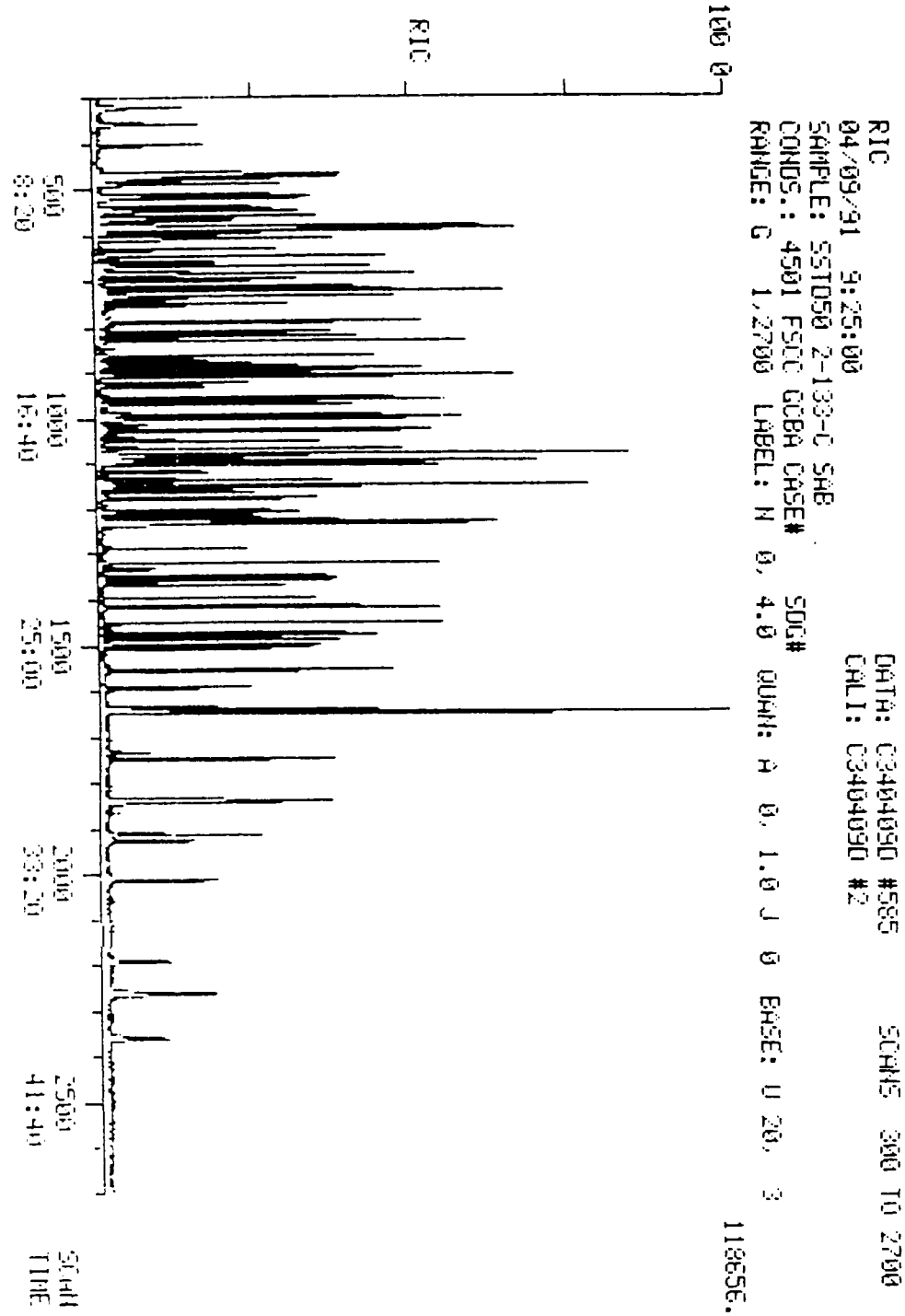
No	m/z	Scan	Time	Ser	nnr	[illegible]	[illegible]			
60	266	1206	20:06	4	0.984	A BB	7789.	50.000	UG/L	1.18
61	178	1229	20:29	4	1.002	A BV	56918.	50.000	UG/L	1.18
62	178	1237	20:37	4	1.009	A VB	55062.	50.000	UG/L	1.18
63	133	1322	22:02	4	1.078	A BB	72239.	50.000	UG/L	1.18
64	202	1417	23:37	4	1.156	A BB	53786.	50.000	UG/L	1.18
	184	1476	24:36	5	0.898	A BB	377.	50.000	UG/L	1.18
66	202	1452	24:12	5	0.884	A BB	57366.	50.000	UG/L	1.18
47	149	1556	25:56	3	0.947	A BD	29326.	50.000	UG/L	1.18
68	252	1636	27.16	5	0.994	A BB	11561.	50.000	UG/L	1.18
69	228	1641	27:21	5	0.999	A BV	45093.	50.000	UG/L	1.18
70	228	1648	27:28	5	1.003	A VB	38387.	50.000	UG/L	1.18
71	149	1648	27:28	5	1.003	A BB	40172.	50.000	UG/L	1.18
72	149	1750	29:10	6	0.908	A BV	59919.	50.000	UG/L	1.18
73	252	1339	30:39	6	0.954	A BV	40883.	50.000	UG/L	1.18
74	252	1844	30:44	6	0.956	A VV	40692.	50.000	UG/L	1.18
75	252	1314	31:54	6	0.993	A BV	37547.	50.000	UG/L	1.18
76	274	2262	37:42	6	1.173	A DD	36990.	50.000	UG/L	1.18
77	278	2265	37:45	6	1.175	A BB	30022.	50.000	UG/L	1.18
78	276	2361	39.21	6	1 225	A BB	31621.	50.000	UG/L	1.18
79	108	587	9:47	1	1.131	A BB	51157.	100.000	UG/L	2.36
80	79	163	2:43	1	0.314	A BB	26764.	50.000	UG/L	1.18
81	232	1051	17:31	3	1.056	A BB	10170.	50.000	UG/L	1.18
82	74	161	2:41	1	0.310	A BB	23333.	50.000	UG/L	1.18
83	42	251	4:11	1	0.484	A BB	15953.	50.000	UG/L	1.18
84	93	237	3:57	1	0.457	A BB	15448.	50.000	UG/L	1.18

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R Fac(L)	Ratio
51	17:09	1.00	1.034	1.00	50.00	50.00	0.420	0.420	1.00
52	17:49	1.00	1.074	1.00	50.00	50.00	1.269	1.269	1.00
53	17:54	1.00	1.083	1.00	50.00	50.00	0.452	0.452	1.00
54	16:00	1.00	1.085	1.00	50.00	50.00	1.200	1.200	1.00
55	18:07	1.00	1.092	1.00	50.00	50.00	0.203	0.203	1.00
56	18:13	1.00	0.892	1.00	50.00	50.00	0.301	0.301	1.00
57	18:18	1.00	0.896	1.00	100.00	100.00	0.468	0.468	1.00
56	19:15	1.00	0.942	1.00	50.00	50.00	0.207	0.207	1.00
59	19:39	1.00	0.962	1.00	50.00	50.00	0.202	0.202	1.00
60	20:06	1.00	0.984	1.00	50.00	50.00	0.149	0.149	1.00
61	20:29	1.00	1.002	1.00	50.00	50.00	1.088	1.088	1.00
42	20:37	1.00	1.009	1.00	50.00	50.00	1.053	1.053	1.00
a3	22:02	1.00	1.078	1.00	50.00	50.00	1.381	1.381	1.00
a4	23:37	1.00	1.156	1.00	50.00	50.00	1.028	1.028	1.00
a	24:36	1.00	0.898	1.00	50.00	50.00	0.013	0.013	1.00
66	24:12	1.00	0.684	1.00	50.00	50.00	1.575	1.575	1.00
67	25:56	1.00	0.947	1.00	50.00	50.00	0.804	0.804	1.00
68	27:16	1.00	0.996	1.00	50.00	50.00	0.317	0.317	1.00
69	27:21	1.00	0.999	1.00	50.00	50.00	1.236	1.236	1.00
70	27:28	1.00	1.003	1.00	50.00	50.00	1.052	1.052	1.00
71	27:28	1.00	1.003	1.00	50.00	50.00	1.101	1.101	1.00
72	29:10	1.00	0.908	1.00	50.00	50.00	1.767	1.767	1.00
73	30:39	1.00	0.954	1.00	50.00	50.00	1.206	1.206	1.00
74	30:44	1.00	0.956	1.00	50.00	50.00	1.200	1.200	1.00
75	31:54	1.00	0.993	1.00	50.00	50.00	1.107	1.107	1.00
76	37:42	1.00	1.173	1.00	50.00	50.00	1.091	1.091	1.00
77	37:45	1.00	1.175	1.00	50.00	50.00	0.885	0.885	1.00
78	33:21	1.00	1.225	1.00	50.00	50.00	0.933	0.v33	1.00
79	3:47	1.00	1.131	1.00	100.00	100.00	1.376	1.376	1.00

No	Retl(L)	Ratio	Rt(L)	Ratio	Amt	Amt(L)	Area	Area(L)	Ratio
80	2:43	1.00	0 314	1.00	50.00	50.00	1.440	1.440	1.00
81	17:31	1.00	1.056	1.00	50.00	50.00	0.290	0.290	1.00
82	2:41	1.00	0.310	1.00	50.00	50.00	1.255	1.255	1.00
83	4:11	1.GO	0.484	1.00	50.00	50.00	0.860	0.860	1.00
e4	3.57	1.00	0.457	1.00	50.00	50.00	0.831	0.331	1.00

3200652

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	519
NAPHTHALENE-D8	IS#2	AT	SCAN.	719
ACENAPTHENE-D10	IS#3	AT	SCAN.	996
PHENANTHRENE-D10	IS#4	AT	SCAN	1226
CHRYSENE-D12	IS#5	AT	SCAN:	1643
PERYLENE-D12	IS#6	AT	SCAN.	1928
2-FLUOROPHENOL	SS#1	AT	SCAN:	0
PHENOL-D6	SS#2	AT	SCAN:	361
NITROBENZENE	SS#3	AT	SCAN:	406
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	474
TRIBROMOPHENOL	SS#5	AT	SCAN'	582
TERPHENYL-D14	SS#6	AT	SCAN	585



000131

Quantitation Report File: C340409D

Data C340409D TI
04/09/91 9 25 00
Sample SSTD50 2-133-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 10UL +10UL INT Instrument 4501 Weight: 0.000
Submitted by ['AS-PIT Analyst SAB Acct. No..

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
4	CI75 PERYLENE-D12 INTERNAL STD.
7	C590 FLUORENE
a	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
13	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSUPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 I-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AF.34 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROFENZENE
40	AP39 DISVLFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
4S	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

3200653

No	Name
48	AP47 **DIELDRIN**
49	AP48 **P-DIMETHYLAMINOAZOBENZENE**
'3	AP49 CHLOROBENZILATE

No	m/z	Scan	Time	Ref	RRT	Meth	Area (Height)	Amount	%Tot
1	152	519	8:39	1	1.000	A BB	14870.	40.000 UG/L	1.43
2	136	719	11:59	2	1.000	A BB	56531.	40.000 UG/L	1.43
3	164	995	16:35	3	1.000	A BB	28046.	40.000 UG/L	1.43
4	188	1226	20 26	4	1.000	A DB	41838.	40.000 UG/L	1.43
5	240	1643	27 23	5	1.000	A BB	29193.	40.000 UG/L	1.43
4	264	1928	32:08	6	1 000	A BB	27124.	40.000 UG/L	1.43
7	80	297	4.57	3	0.298	A BB	4448.	50.000 UG/L	1.79
8	42	361	4 01	1	0 696	A BB	14115.	50.000 UG/L	1.79
9	79	406	6:46	1	0.782	A BB	23098.	50.000 UG/L	1 79
10	117	474	7.54	1	0.913	A BB	11090.	50.000 UG/L	1.79
11	41	582	9:42	1	1.121	A BV	14664.	50.000 UG/L	1.79
12	105	585	?:45	1	1.127	A BB	38333.	50.000 UG/L	1.79
13	56	585	9:45	1	1.127	M XX	15955.	50.000 UG/L	1.79
14	108	587	9:47	1	1.131	A BB	51157.	50.000 UG/L	1.79
15	106	592	9:52	1	1.141	A VB	38327.	50.000 UG/L	1.79
16	42	633	10.33	2	0.580	A BB	21980.	50.000 UG/L	1.79
17	sa	762	12:42	2	1.060	A BB	5290.	50.000 UG/L	1.79
18	162	734	12:14	2	1.021	A BB	20242.	50.000 UG/L	1.79
19	213	742	12.22	2	1.032	A BB	5132.	50.000 UG/L	1.79
20	84	790	13:10	2	1.099	A BB	18537.	50.000 UG/L	1.79
21	162	818	13:38	2	1.138	A BB	19185.	50.000 UG/L	1.79
22	216	863	14:23	3	0.867	A BB	17347.	50.000 UG/L	1.79
23	162	838	14:58	3	0.903	A BV	18328.	50.000 UG/L	1.79
24	la8	359	15:59	3	0.964	A BB	7934.	50.000 UG/L	1.79
25	250	1030	17:10	3	1.035	A BB	13732.	50.000 UG/L	1.79
26	i43	1030	17:10	3	1.035	A*BV	5113.	50.000 UG/L	1.79
27	143	1035	17:15	3	1.040	M XX	3387.	50.000 UG/L	1.79
28	97	1082	18:02	4	0.883	A BB	10926.	50.000 UG/L	1.73
29	152	1084	18:04	4	0.884	A BV	10047.	50.000 UG/L	1.79
30	149	1P8	18:18	4	0.896	A BB	48978.	50.000 UG/L	1.79
31	97	1137	18:57	4	0.927	A BB	8851.	50.000 UG/L	1.79
32	75	1143	19:03	4	0.932	A BV	11251.	50.000 UG/L	1.79
33	108	1150	19:10	4	0.438	A BB	20200.	50.000 UG/L	1.79
34	75	1151	19:11	4	0.939	A VB	37998.	50.000 UG/L	1.79
35	43	1150	19:10	4	0.938	A BV	27823.	50.000 UG/L	1.79
36	87	1176	19:36	4	0.959	A BB	17799.	50.000 UG/L	1.79
37	169	1206	20:06	4	0.984	M XX	1298.	50.000 UG/L	1.79
38	173	1211	20:11	4	0.988	A BB	14804.	50.000 UG/L	1.79
39	237	1218	20:18	4	0.993	A BB	4168.	50.000 UG/L	1.79
40	88	1231	20:31	4	1.004	A BV	33986.	50.000 UG/L	1.79
41	109	1290	21:30	4	1.052	M XX	13895.	50.000 UG/L	1.79
42	190	1351	22:31	4	1.102	A BB	3824.	50.000 UG/L	1.79
43	97	1352	22:32	4	1.103	A BV	11079.	50.000 UG/L	1.79
44	66	1359	22:39	4	1.108	A BB	10551.	50.000 UG/L	1.7Y
45	58	1369	22:49	4	1.117	A VB	25348	50.000 UG/L	1.79
46	193	1397	23:17	4	1.139	A BB	7665.	50.000 UG/L	1.79
47	185	1474	24:34	5	0.897	A BB	3953.	50.000 UG/L	1.79
48	79	1488	24:48	5	0.906	A BE	14289.	50.000 UG/L	1.79
43	120	1500	25:00	5	0.913	A BB	19823.	50.000 UG/L	1.79
50	139	1508	25:08	5	0.918	A BB	19917.	50.000 UG/L	1.79

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:35	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:08	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	4:57	1.00	0.298	1.00	50.00	50.00	0.127	0.127	1.00
8	6:01	1.00	0.696	1.00	50.00	50.00	0.759	0.759	1.00
9	6:46	1.00	0.782	1.00	50.00	50.00	1.243	1.243	1.00
10	7:54	1.00	0.413	1.00	50.00	50.30	0.597	0.597	1.00
11	9:42	1.00	1.121	1.00	50.00	50.00	0.789	0.789	1.00
12	9:45	1.00	1.127	1.00	50.00	50.00	2.062	2.062	1.00
13	9:45	1.00	1.127	1.00	50.00	50.00	0.858	0.858	1.00
14	9:47	1.00	1.131	1.00	50.00	50.00	2.752	2.752	1.00
15	9:52	1.00	1.141	1.00	50.00	50.00	2.062	2.062	1.00
16	10:33	1.00	0.880	1.00	50.00	50.00	0.311	0.311	1.00
17	12:42	1.00	1.060	1.00	50.00	50.00	0.075	0.075	1.00
19	12:14	1.00	1.021	1.00	50.00	50.00	0.286	0.286	1.00
13	12:22	1.00	1.032	1.00	50.00	50.00	0.073	0.073	1.00
20	13:10	1.00	1.099	1.00	50.00	50.00	0.262	0.262	1.00
21	13:38	1.00	1.138	1.00	50.00	50.00	0.271	0.271	1.00
22	14:23	1.00	0.867	1.00	50.00	50.00	0.495	0.495	1.00
23	14:58	1.00	0.903	1.00	50.00	50.00	0.523	0.523	1.00
24	15:59	1.00	0.964	1.00	50.00	50.00	0.226	0.226	1.00
25	17:10	1.00	1.035	1.00	50.00	50.00	0.392	0.392	1.00
26	17:10	1.00	1.035	1.00	50.00	50.00	0.146	0.146	1.00
27	17:15	1.00	1.040	1.00	50.00	50.00	0.097	0.097	1.00
28	18:02	1.00	0.883	1.00	50.00	50.00	0.209	0.209	1.00
29	18:04	1.00	0.884	1.00	50.00	50.00	0.192	0.192	1.00
30	18:18	1.00	0.896	1.00	50.00	50.00	0.937	0.937	1.00
31	18:57	1.00	0.927	1.00	50.00	50.00	0.169	0.169	1.00
32	19:03	1.00	0.932	1.00	50.00	50.00	0.215	0.215	1.00
33	19:10	1.00	0.938	1.00	50.00	50.00	0.386	0.386	1.00
34	19:11	1.00	0.939	1.00	50.00	50.00	0.727	0.727	1.00
35	19:10	1.00	0.938	1.00	50.00	50.00	0.532	0.532	1.00
36	19:36	1.00	0.959	1.00	50.00	50.00	0.340	0.340	1.00
37	20:06	1.00	0.ua4	1.00	50.00	50.00	0.025	0.025	1.00
36	20:11	1.00	0.988	1.00	50.00	50.00	0.283	0.283	1.00
39	20:18	1.00	0.993	1.00	50.00	50.00	0.080	0.080	1.00
40	20:31	1.00	1.004	1.00	50.00	50.00	0.650	0.650	1.00
41	21:30	1.00	1.052	1.00	50.00	50.00	0.266	0.266	1.00
42	22:31	1.00	1.102	1.00	50.00	50.00	0.073	0.073	1.00
43	22:32	1.00	1.103	1.00	50.00	50.00	0.212	0.212	1.00
44	22:39	1.00	1.108	1.00	50.00	50.00	0.202	0.202	1.00
45	22:49	1.00	1.117	1.00	50.00	50.00	0.485	0.485	1.00
46	23:17	1.00	1.139	1.00	50.00	50.00	0.147	0.147	1.00
47	24:34	1.00	0.897	1.00	50.00	50.00	0.108	0.108	1.00
48	24:48	1.00	0.906	1.00	50.00	50.00	0.392	0.392	1.00
49	25:00	1.00	0.313	1.00	50.00	50.00	0.543	0.543	1.00
50	25:08	1.00	0.318	1.00	50.00	50.00	0.546	0.546	1.00

Quantitation Report File: C340409D

Data C340409D TI
04/09/91 3 25 00
- ple SSTD50 2-133-C SAB
ds 4501 FSCC GCBA CASE# SDG#
Formula 10UL +10UL INT Instrument 4501 Weight: 0.000
Submitted by ['AS-PIT Analyst SAB Acct. No.:

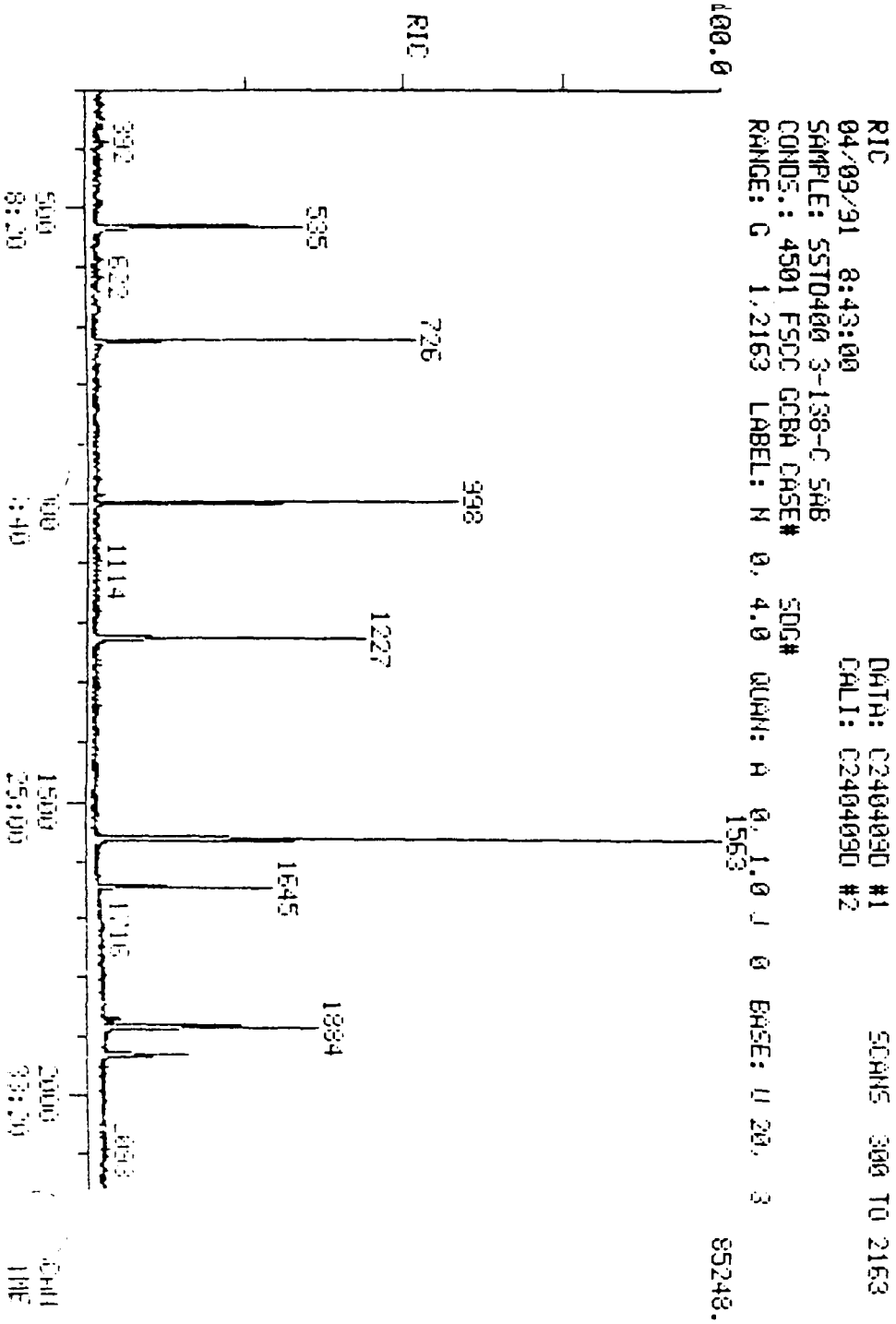
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. Fac from Library Entry

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
5.3	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	212	1551	25:51	5	0.944	A BB	2261.	50.000 UG/L	1.79
52	272	1561	26:01	5	0.950	A BB	590.	50.000 UG/L	1.79
53	181	1594	26:34	5	0.970	A BB	19100.	50.000 UG/L	1.79
54	256	1841	30:41	6	0.955	A BB	17260.	50.000 UG/L	1.79
55	268	2015	33:35	6	1.045	A BB	19063.	50.000 UG/L	1.79
56	211	1235	20:35	4	1.007	A BB	20308.	50.000 UG/L	1.79
57	158	932	15:32	3	0.337	A BB	8758.	50.000 UG/L	1.79
8	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	25:51	1.00	0.944	1.00	50.00	50.00	0.062	0.062	1.00
52	26:01	1.00	0.950	1.00	50.00	50.00	0.016	0.016	1.00
53	26.34	1.00	0.970	1.00	50.00	50.00	0.523	0.523	1.00
54	30:41	1.00	0.355	1.00	50.00	50.00	0.509	0.509	1.00
55	33:35	1.00	1.045	1.00	50.00	50.00	0.562	0.562	1.00
56	20:35	1.00	1.007	1.00	50.00	50.00	0.388	0.388	1.00
57	15.32	1.00	0.937	1.00	50.00	50.00	0.250	0.250	1.00
58	31:24		0.976						

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	535
NAPHTHALENE-DE	IS#2	AT	SCAN:	725
ACNAPTHENE-D10	IS#3	AT	SCAN:	998
PHENANTHRENE-D10	IS#4	AT	SCAN:	1227
CHRYSENE-D12	IS#5	AT	SCAN:	1645
PERYLENE-D12	IS#6	AT	SCAN:	1931
2-FLUOROPHENOL	SS#1	AT	SCAN:	0
PHENOL-D6	SS#2	AT	SCAN:	0
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	0
TRIBROMOPHENOL	SS#5	AT	SCAN:	0
TERPHENYL-D14	SS#6	AT	SCAN:	0



Quantitation Report File: C240409D

Data: C240409D.TI
04/09/91 8:43:00
Sample SSTD400 3-138-C SAB
Mods. 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4501 Weight: 0.000
Submitted by ITAS-PIT Analyst: SAB Acct. No

AMOUNT-AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in .RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-I?12 INTERNAL STD.
5	CI75 PERYLENE-D12 INTERNAL STD
7	AP05 METHYL METHANESULFONATE
a	AP06 N-NITROSODIETHYLAMINE
?	AP07 ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 0-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
'8	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITRUBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 **P-DIMETHYLAMINOAZOBENZENE**
50	AP49 CHLOROBENZILATE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	535	8 55	1	1 000	A BB	16201.	40. OCO UG/L	2. 75
2	136	725	12 05	2	1. 000	A BB	55992.	40. 000 UG/L	2. 78
3	134	998	16 38	3	1 000	A BB	30872.	40. 000 UG/L	2. 78
4	188	1227	20 27	4	1 000	A BB	38135.	40. 000 UG/L	2. 78
5	240	1445	27 25	5	1 000	A BB	22072.	40. 000 UG/L	2. 78
6	264	1931	32 11	6	1 000	A BB	17347	40. 000 UG/L	2. 78
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NUT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	YOT FOUND								
32	NOT FOUND								
3.3	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NUT FUUND								
42	NUT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
4a	NOT FOUND								
47	NOT FOUND								
46	NOT FOUND								
'9	NOT FOUND								
50	NOT FGUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:55	1.00	1.000	1.GO	40.00	40.00	1.000	1.000	1.00
2	12:05	1.00	1.000	1.00	40.00	40 00	1.000	1.000	1.00
3	16:38	1.00	1.000	1.00	40 00	40 00	1.000	1.000	1.00
4	20:27	1.00	1.000	1.00	40.00	40 00	1.000	1.000	1.00
5	27:25	1 00	1 000	1.00	40.00	40 00	1.000	1.000	1 00
6	32 11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5 30		0.615'						
a	6.27		0.726						
9	7 09		0 805						
10	a 11		0 921						
11	9:56		1.118						
12	9 58		1 122						
13	9:58		1.122						
14	10:00		1.126						
15	10:04		1.133						
14	10:44		0.887						
17	12.42		1.050						
18	12:22		1.022						
19	12:28		1.030						
20	13:16		1.05'6						
21	13:43		1.134						
22	14:28		0.868						
23	15:03		0.903						
24	16:04		0.344						
25	17 14		1.034						
26	17:20		1.040						
27	17:31		1.051						
28	18:06		0.884						
29	18:08		0.085						
30	18:22		0.897						
31	19:01		0.420						
32	18:56		0.924						
'33	13:14		0.939						
34	19:15		0.940						
35	19:14		0.939						
36	19:40		0.960						
37	20:00		0.976						
38	20:04		0.980						
39	20:22		0.994						
40	20:35		1.005						
41	21.24		1.045						
42	22:28		1.097						
43	22:35		1.103						
44	22:42		1.108						
45	22:53		1.117						
46	23:21		1.140						
47	24:38		0.897						
48	24:51		0.905						
49	25:04		0.913						
50	25:12		0.918						

Quantitation Report File: C2404090

Data: C2404090.TI
04/09/91 8:43:00
Sample: SSTD400 3-139-C SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula' 10UL +10UL INT Instrument: 4501 Weight: 0.000
Submitted by ITAS-PIT Analyst: SAD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from average of the 1 closest data points in RL

No	Name
51	AP50 3,'3'-DIMETHYLBENZIDINE
52	AF51 KEFONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOGUININE
58	A?58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	212	1563	26:03	5	0.350	A ED	268.	400.000 UG/L	27.80
52	272	1563	26:03	5	0.950	A BB	22294.	400.000UG/L	27.80
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	196	1034	31:24	6	0.976	A BB	11569.	400.000 UG/L	27.80

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Patio
51	26:03	1.00	0.C5G	1.00	400.00	400.00	0.001	0.001	1.00
52	26:03	1.00	0.950	1.00	400.00	400.00	0.101	0.101	1.00
53	26.38		0.970						
54	30.49		0.956						
55	33:44		1.046						
56	20:38		1.007						
57	15:37		0.937						
58	31:24	1.00	0.976	1.00	400.00	400.00	0.067	0.067	1.00

APPENDIX IX SEMIVOLATILE COMPOUNDS
(Page 1)

Case No: STAND Region: _____ Calibration Date: 04/12/91
Contractor: IT PITTSBURGH Time: 11:43
Contract No: _____ Laboratory ID: C4404128
Instrument ID: 4581 Initial Cali. Date: 04/04/91

Compound		AVE RF	(50)	% D	QCC	SPCC
N-NITROSODIMETHYLAMINE		1.111	1.101	0.3		
N-NITROSOMETHYLETHYLAMINE . .		0.820	0.898	-4.5		
2-PICOLINE		0.891	0.748	16.0		
Phenol		2.146	2.213	-3.1	*	
Aniline		2.135	2.194	-2.8		
bis(2-Chloroethyl)Ether . . .		1.880	1.865	0.8		
2-Chlorophenol		1.508	1.514	-0.4		
1,3-Dichlorobenzene		1.465	1.503	-2.6		
1,4-Dichlorobenzene		1.485	1.529	-3.0	*	
Benzyl Alcohol		6.905	0.872	3.6		
1,2-Dichlorobenzene		1.411	1.426	-1.1		
bis(2-Chloroisopropyl)Ether .		2.528	2.734	-8.1		
N-Nitroso-Di-n-Propylamine . .		1.146	1.335	-15.6		* *
Hexachloroethane		0.703	8.774	-18.1		
Nitrobenzene		0.428	0.489	-14.3		
Isophorone		0.790	8.928	-17.5		
2-Nitrophenol		0.204	8.209	-1.5	•	
2,4-Dimethylphenol		8.345	8.398	-15.4		
bis(2-Chloroethoxy)Methane . .		8.544	8.603	-10.8		
2,4-Dichlorophenol		0.274	0.292	-6.6	*	
1,2,4-Trichlorobenzene		8.285	0.308	-8.1		
Naphthalene		0.952	1.040	-9.2		
4-Chloroaniline		8.385	8.419	-38.7		
Hexachlorobutadiene		0.125	8.145	-16.0	*	
4-Chloro-3-Methylphenol . . .		8.333	8.333	-18.0	*	
2-Methylnaphthalene		8.683	0.696	-13.4		
Hexachlorocyclopentadiene . .		0.139	0.151	-8.6		* *
2,4,6-Trichlorophenol		0.279	0.287	-2.9	•	
2,4,5-Trichlorophenol	x	8.344	8.394	-14.5		
2-Chloronaphthalene		1.190	1.268	-6.6		
2-Nitroaniline	x	8.415	0.490	-18.1		
Dimethyl Phthalate		1.158	1.249	-7.9		
Acenaphthylene		1.541	1.649	-7.0		
2,6-Dinitrotoluene		8.439	8.329	25.1		
3-Nitroaniline	x	0.235	8.260	-18.6		
Acenaphthene		8.366	1.099	-13.8	•	
2,4-Dinitrophenol	x	0.139	0.156	-12.2		* *
4-Nitrophenol	x	0.082	0.138	-58.5		* *
Dibenzofuran		1.447	1.471	-1.7		
2,4-Dinitrotoluene		8.387	0.401	-3.6		
Diethylphthalate		1.169	1.327	-13.5		
4-Chlor-opnenyl-pnenylether- . .		0.420	0.462	-10.8		
Fluorene		1.077	1.213	-12.6		
4-Nitroaniline	x	0.161	0.254	-57.8		
4,6-Dinitro-2-Methylphenol . .	x	0.275	0.293	-6.5		
N-Nitrosodiphenylamine (1) . .		8.459	0.467	-1.7	*	
4-Bromophenyl-phenylether . .		0.134	0.200	-3.1		
Hexachlorobenzene		8.194	8.200	-3.1		
Pentachlorophenol	x	0.137	0.143	-4.4	*	

APPENDIX IX SEMIVOLATILE COMPOUNDS
(Page 2)

Case No: STAND Region: Calibration Date: 04/12/91
Contractor: IT PITTSBURGH Time:
Contract No: Laboratory ID: C4404128
Instrument ID: 4501 Initial Cali. Date: 04/04/91

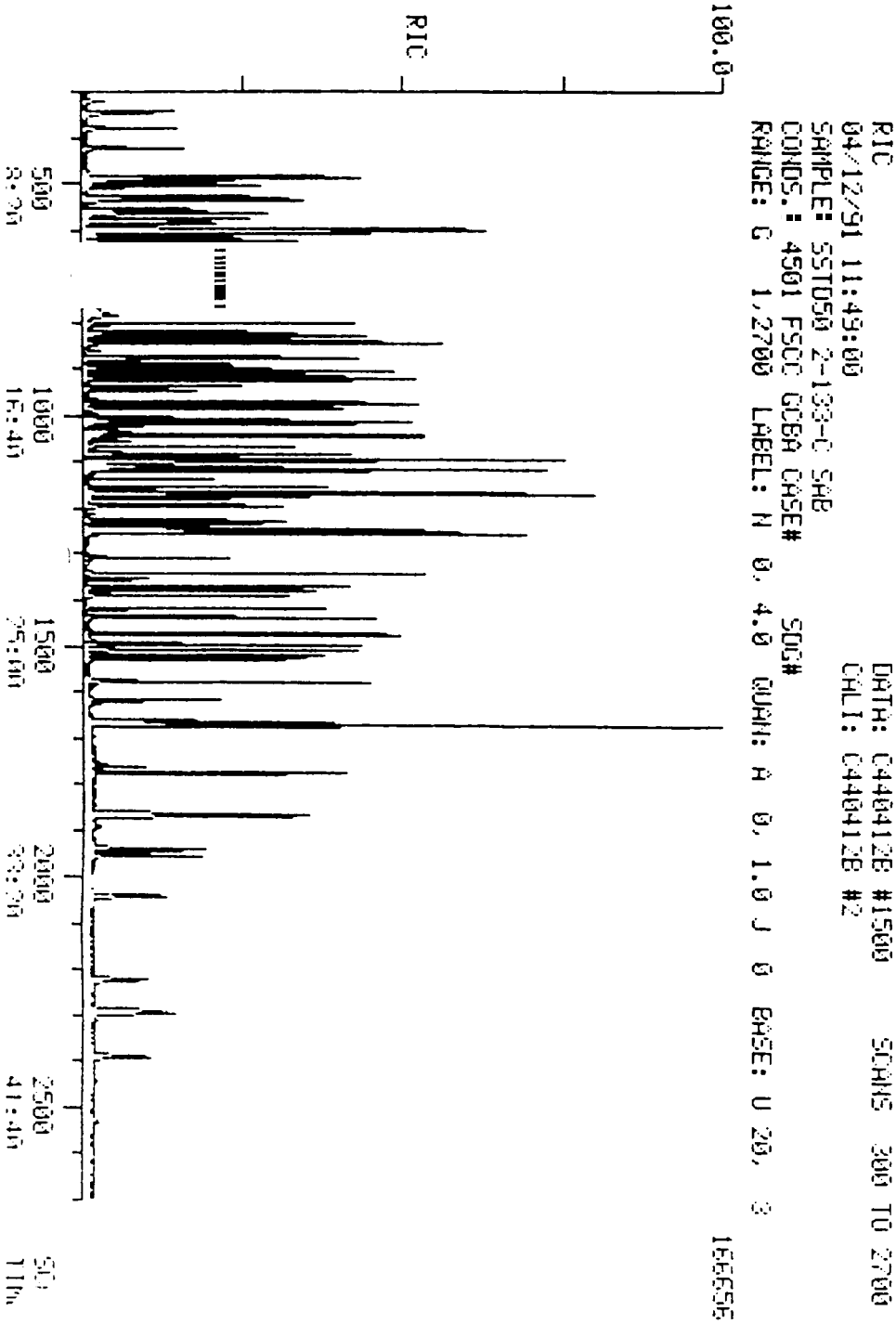
Compound	AVE RF	RF(50)	% D	CCC	SPCC
Phenanthrene	1.046	1.092	-4.4		
Anthracene	0.933	1.031	-10.5		
Di-n-Butylphthalate	1.059	1.476	-39.4		
Fluoranthene	0.983	1.037	-5.5	*	
Pyrene	1.508	1.550	-2.8		
Butylbenzylphthalate	0.796	0.886	-11.3		
3,3'-Dichlorobenzidine	0.348	0.376	-8.0		
Benzo(a)Anthracene	1.189	1.245	-4.7		
Chrysene	0.955	1.029	-7.7		
bis(2-Ethylhexyl)Phthalate . .	1.021	1.162	-13.9		
Di-n-Octyl Phthalate	1.666	2.031	-21.9	*	
Benzo(b)Fluoranthene	1.111	1.080	2.8		
Benzo(k)Fluoranthene	1.040	1.080	-3.8		
Benzo(a)Pyrene	1.046	1.130	-8.0	+	
Indeno(1,2,3-cd)Pyrene	1.044	0.930	18.9		
Dibenz(a,h)Anthracene	0.865	0.819	5.6		
Benzo(g,h,i)Perylene	0.927	0.796	14.1		
TOTAL METHYLPHENOL	1.198	1.388	-15.9		* *
PYRIDINE	1.349	1.315	2.5		* *
2,3,4,6-TETRACHLOROPHENOL . .	0.274	0.302	-10.2		* *

APPENDIX IX SEMIVOLATILE COMPOUNDS
(Page 1)

Case No: STAND Region: _____ Calibration Date: 04/13/91
Contractor: IT PITTSBURGH Time: 11:49
Contract No: _____ Laboratory ID: [illegible]
Instrument ID: 4501 Initial Calib. Date: 04/04/91

Compound	Avg RF	RF(50)	% D	QC	Code
METHYL METHANESULFONATE . . .	0.276	0.284	-2.9		
N-NITROSODIETHYLAMINE	0.738	0.888	-22.0		
ETHYLMETHANESULFONATE	1.236	1.230	0.5		
PENTACHLOROETHANE	0.530	0.563	-6.2		
N-NITROSOPYRROLIDINE	0.783	0.978	-24.9		
ACETOPHENONE	1.906	2.168	-13.7		
N-NITROSOMORPHOLINE	0.876	1.093	-24.8		
P-PHENYLENEDIAMINE	3.433	3.776	-14.1		
O-TOLUIDINE	1.896	2.235	-17.9		
N-NITROSOPIPERIDINE	0.309	0.398	-28.8		
ALPHA,ALPHA-DIMETHYLPHENETHYLA	0.178	0.899	-405.1		
2,6-DICHLOROPHENOL	0.366	0.292	-9.8		
HEXACHLOROPROPENE	0.069	0.079	-14.5		
N-NITROSODI-N-BUTYLAMINE . . .	0.261	0.313	-19.9		
SAFROLE	0.256	0.283	-10.5		
1,2,4,5-TETRACHLOROBENZENE . .	0.434	0.492	-13.4		
ISOSAFROLE	0.497	0.519	-4.4		
M-DINITROBENZENE	0.194	0.224	-15.5		
PENTACHLOROBENZENE	0.351	0.393	-12.0		
1-NAPHTHYLAMINE	0.199	0.171	14.1		
2-NAPHTHYLAMINE	0.153	0.075	51.0		
5-NITRO-O-TOLUIDINE	0.185	0.230	-24.3		
DIPHENYLAMINE	0.918	0.933	-1.6		
SYM-TRINITROBENZENE	0.133	0.227	-70.7		
PHENACETIN	0.338	0.410	-21.3		
4-AMINOBIPHENYL	0.027	0.006	77.8		
PRONAMIDE	0.215	0.280	-30.2		
PENTACHLORONITROBENZENE . . .	0.078	0.078	0.0		
4-NITROQUINOLINE-1-OXIDE . . .	0.049	0.053	-8.2		
METHAPYRILENE	0.513	0.560	-9.2		
ISODRIN	0.136	0.143	-5.1		
ARAMITE	0.103	0.112	-8.7		
P-DIMETHLAMINOAZOBENZENE . . .	0.550	0.596	-8.4		
3,3-DIMETHYLBENZIDINE	0.160	0.140	12.5		
KEPONE	0.083	0.067	19.3	MR 4/16/91	
2-ACETYLAMINOFLUORENE	0.493	0.557	-13.0		
7,12-DIMETHYLBENZ(A)ANTHRACENE	0.455	0.530	-16.5		
3-METHYLCHOLANTHRENE	0.545	0.558	-2.4		
DINOSEB	0.305	0.355	-16.4		
1,4-NAPHTHOQUINONE	0.266	0.231	13.2		
HEXACHLOROPHENE	0.109	0.053	51.4		

1,4-DICHLOROBENZENE-D4	IS#1	AT SCAN:	535
NAPHTHALENE-D8	IS#2	AT SCAN:	733
ACENAPTHENE-D10	IS#3	AT SCAN:	1012
PHENANTHRENE-D10	IS#4	AT SCAN:	1245
CHRYSENE-D12	IS#5	AT SCAN:	1670
YLENE-D12	IS#6	AT SCAN:	1957
2-FLUOROPHENOL	SS#1	AT SCAN:	0
PHENOL-D6	SS#2	AT SCAN:	486
NITROBENZENE	SS#3	AT SCAN.	0
2-FLUOROBIPHENYL	SS#4	AT SCAN:	906
TRIBROMOPHENOL	SS#5	AT SCAN:	1138
TERPHENYL-D14	SS#6	AT SCAN:	1500



320C659

000144

Data: C440412B TI
04/12/91 11:49.00
Sample: SSTD50 2-133-C SAB
Conds.: 4501 FSCC GCBA CASE# SDG#
Formula: 10L INJ + 10UL INT Instrument: 4501 Weight: 0.000
Submitted by: ITAS Analyst: SAB Acct. No..

AMOUNT=AREA * FEF AMNT/(PEF AREA * RESP FACT)
Resp. fac from average of the 1 closest data points in RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-08 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-D10 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD
6	CI75 PERYLENE-012 INTERNAL STD
7	CS50 FLUOROPHENOL (SURROGATE)
a	CS45 PHENOL-D6 (SURROGATE)
9	CS20 NITROBENZENE-D5 (SURROGATE)
10	CS25 2-FLVOROBIPHENYL (SURROGATE)
11	CS55 2,4,6-TPIBROMOPHENOL (SURROGATE)
12	CS30 TERPHENYL-D14
13	C320 ANILINE
14	C315 PHENOL CCC
15	C325 BIS(2 CHLOROETHYL)ETHER
16	c330 2-CHLOROPHENOL
17	C335 1,3-DICHLOROBENZENE
18	C340 1,4-DICHLOROBENZENE CCC
19	c345 BENZYL ALCOHOL
20	C350 1,2-DICHLOROBENZENE
21	C355 2-METHYLPHENOL
22	C360 BIS(2-CHLOROISOPROPYL)ETHER
23	C370 N-NITROSO-DI-N-PROPYLAMINE SPCC
24	C375 HEXACHLOROETHANE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL CCC
28	C425 2,4-DIMETHYLPHENOL
23	C430 BENZOIC ACID
30	c435 BIS(2-CHLOROETHOXY)METHANE
31	C440 2,4-DICHLOROPHENOL CCC
32	C445 1,2,4-TRICHLORODENZENE
33	C450 NAPHTHALENE
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE CCC
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
.38	C510 HEXACHLOROCYCLOPENTADIENE SPCC
39	C515 2,4,6-TRICHLOROPHENOL CCC
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C535 DIMETHYL PHTHALATE
44	C540 ACENAPHTHYLENE
45	C543 2,6 DINITROTOLUENE
46	C545 3-NITROANILINE
47	C550 ACENAPHTHENE CCC

NO	Name	
46	C555	2,4-DIN1TROPHENOL
49	C560	4-NITROPHENOL
50	C565	DIBENZOFURAN

U00146

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	535	8:55	1	1.000	A BB	17245	40.000 UG/L	0.94
2	13a	733	12:13	2	1.000	A BV	67040.	40.GGO UG/L	0.94
3	164	1012	16:52	3	1.000	A BB	36124.	40.000 UG/L	0.94
4	188	1245	20.45	4	1.G00	A BB	57092.	40.000 UG/L	0.94
5	240	1670	27:50	5	1.000	A BB	40165.	40.000 UG/L	0.94
6	264	1957	32.37	6	1.000	A BB	35794.	40.000 UG/L	0.94
7	112	348	5:48	1	0.650	M XX	27135	50.000 UG/L	1.18
a	39	486	8:06	1	0.908	A BB	43182.	50.000 UG/L	1.18
9	82	663	11:03	2	0.905	A BB	77163	50.000 UG/L	1.18
10	172	306	15.06	3	0.895	A BB	49167.	50.000 UG/L	1.18
11	330	1138	18:58	3	1.125	A BB	6304.	50.GOO UG/L	1.18
12	244	1499	24:59	5	0.898	A BV	50390.	50.000 UG/L	1.18
13	93	490	8:10	1	0.916	A BV	47297.	50.000 UG/L	1.18
14	34	488	8:08	1	0.912	A BV	47705.	50.000 UG/L	1.18
15	33	439	8:13	1	0.933	A VB	40209.	50.000 UG/L	1.18
14	128	508	8:28	1	0.950	A BB	32640.	50.000 UG/L	1.18
17	146	530	8:50	1	0.991	A BV	32400.	50.000 UG/L	1.18
18	144	538	8:58	1	1.006	A VB	32968.	50.000 UG/L	1.18
19	108	559	9:19	1	1.045	A BB	15802.	50.000 UG/L	1.18
20	146	566	9:26	1	1.058	A BB	30732.	50.G00 UG/L	1.18
21	108	579	9:39	1	1.082	A BB	33636.	50.000 UG/L	1.18
22	45	584	9:44	1	1.092	A BB	50944.	50.000 UG/L	1.18
23	70	606	10.06	1	1.133	A BB	28568.	50.000 UG/L	1.18
24	117	415	10:15	1	1.150	A BB	16695.	50.000 UG/L	1.18
25	77	626	10:26	2	0.854	A BB	41009.	50.000 UG/L	1.18
26	82	463	11.03	2	0.905	A BB	77760.	50.000 UG/L	1.18
27	139	676	11:16	2	0.922	A BB	17542.	50.000 UG/L	1.18
28	107	484	11:24	2	0.933	A BB	33373.	50.000 UG/L	1.18
29	122	700	11:40	2	0.955	A VB	11956.	50.000 UG/L	1.18
30	93	698	11:38	2	0.952	A BV	50515.	50.000 UG/L	1.18
31	162	713	11:53	2	0.973	A BB	24434.	50.000 UG/L	1.18
32	180	727	12:07	2	0.992	A BB	25837.	50.0G0 UG/L	1.18
33	128	736	12:16	2	1.004	A BV	87165.	50.000 UG/L	1.18
34	127	747	12:27	2	1.019	A VB	35134.	50.000 UG/L	1.18
35	225	766	12:46	2	1.045	A BB	12111.	50.00G UG/L	1.18
36	1G7	824	13:44	2	1.124	A BB	32893.	50.000 UG/L	1.18
37	142	845	14:05	2	1.153	A BB	58340.	50.000 UG/L	1.18
38	237	881	14:41	3	0.871	A BD	6815.	50.000 UG/L	1.18
39	15'6	893	14:53	3	0.882	A BV	12938.	50.000 UG/L	1.18
40	15'5	899	14:59	3	0.888	A VB	17794.	50.000 UG/L	1.18
41	162	5'21	15:21	3	0.910	A VV	57257.	50.000 UG/L	1.18
42	65	940	15:40	3	0.929	A BB	22135.	50.000 UG/L	1.18
43	163	974	16:14	3	0.962	A BB	56403.	50.000 UG/L	1.18
44	152	987	16:27	3	0.975	A BB	74456.	50.000 UG/L	1.18
35	165	984	16:24	3	0.972	A BB	14839.	50.000 UG/L	1.18
46	138	1005	16:45	3	0.993	A BV	11755.	50.000 UG/L	1.18
47	153	1017	16:57	3	1.005	A BB	49619.	50.000 UG/L	1.18
48	184	1022	17:02	3	1.010	A BB	7062.	50.000 UG/L	1.18
49	109	1035	17:15	3	1.023	A BV	5872.	50.000 UG/L	1.18
50	168	1042	17:22	3	1.030	A BB	66444.	50.000 UG/L	1.18

3200600

1	a:55	1 00	1 000	1 00	40.00	40.00	1.GOO	1 000	1.00
a	12:13	1 00	1 000	1.00	40.00	40.00	1.000	1 000	1.00
3	16:52	1.00	1.000	1.00	40.00	4G.00	1.GOO	1.000	1.00
4	20:45	1.00	1.000	1.00	40.00	40.00	1.GOO	1.000	1 00
5	27:50	1.00	1.000	1.00	40.00	4G.00	1.000	1 000	1.00
6	32:37	1 00	1.000	1.00	40.00	40.00	i.000	1.000	1 00
7	5:48	1 00	0.450	1 00	50.00	5G.00	1 259	1 253	1.00
8	8:06	1 00	0.908	1.00	50.00	50.00	2.003	2.003	1 00
9	11.03	1 00	0.905	1.GO	50.00	5G 00	0.921	0.921	1 00
10	15.06	1 00	0.895	1.00	50.00	50.00	1 089	1 089	1 00
11	18:58	1 00	1 125	1.00	50 GO	50 GO	0 140	0 140	1.00
12	24.59	1 00	0 998	1.00	50 00	50.00	1.004	1 004	1.00
13	8:10	1.00	0.916	1.00	50.00	50.00	2.194	2.194	1 00
14	E:08	1 00	0.912	1.00	50.00	50.00	2.213	2.213	1 00
15	a.19	1 00	0.933	1 GO	50.00	5G.GO	1.865	1 865	1.00
14	a:28	1.00	0.350	1.00	50.00	50.00	1.514	1.514	1.00
17	8:50	1.00	0.391	1.00	50.00	50.00	1.503	1 503	1 00
18	a:58	1 00	1.006	1.00	50.00	50.00	1 529	1 529	1.00
19	9:13	1 00	1.045	1 00	50.00	5G.GO	0.872	0.872	1 [illegible]
20	9:26	1.00	1 058	1.00	50.00	50.00	1.426	1.424	1.[illegible]
21	9:39	1 00	1 082	1.00	50.00	50.00	1.560	1.560	1.00
22	3:44	1 00	1 092	1.00	50.00	50.00	2.734	2.734	1.00
23	10:06	1.00	1 133	1.00	50 00	50.00	1.325	1 325	1.00
24	10:15	1 00	1 150	1.00	50.00	50.00	0.774	0.775	1.00
25	10:26	1 00	0 854	1.GO	50.00	5G.00	0.489	0.489	1.00
26	11.03	1 00	0.905	1.00	50 00	50.00	0.928	0.928	1.00
27	11:14	1.00	G.922	1.00	50.G0	50.00	0.209	G.209	1.00
28	11:24	1.00	0.333	1.00	50.00	50.00	0.398	0.398	1.00
29	11:40	1.00	0.955	1.00	50.00	50.00	0.143	0.143	1.00
30	11:38	1.00	0.952	1.00	50.00	50.00	0.603	0.GG3	1.00
31	11:53	1.00	0.973	1.GO	50 00	50.00	0.292	0.292	1 00
32	12:07	1 00	0.992	1.00	50.00	50.00	0.308	0.308	1 00
33	12:16	1 00	1.004	1.00	50 00	5G.GO	1.040	1.G40	1.00
34	12:27	1 00	1 019	1.00	50.00	50.00	0.419	0.419	1.00
35	12:46	1 00	i 045	1.00	50.00	50.00	0.145	G.145	1.00
36	13:44	1.00	i 124	1.00	50.00	50.00	0.393	0.393	1.00
37	14:05	1.00	1.153	1.00	50.GO	50.00	0.696	0.696	1 00
38	14:41	1 00	0.871	1.00	50.00	50.00	0.151	0.151	1.00
39	14:53	1.00	0.882	1.00	50.00	50.00	0.287	0.287	1.00
40	14:59	1.00	0.888	1.00	50.00	50.00	0.394	0.394	1.00
41	15:21	1.00	6.910	1.00	50.00	50.00	1.268	1.268	1.00
42	15:40	1.00	0.429	1.00	50.00	50.00	0.490	0.49G	1.00
43	16:14	1.G0	G.962	1.00	50.00	50.00	1.249	1.249	1 00
44	14:27	1 00	0.975	1.00	50.00	50.00	1.649	1 649	1.00
45	16:24	1.00	0.972	1.00	50.00	50.GO	0.329	0.329	1.00
46	16:45	1 00	0.993	1.00	50.00	50.00	0.260	0.260	1.00
47	la:57	1.00	1.005	1.00	50.00	50.00	1.099	1.099	1.00
48	17:02	1.00	1.010	1.00	50.00	50.00	0.156	0.156	1.00
49	17:15	1.00	1.023	1.00	50.00	50.00	0.130	0.130	1.00
50	17:22	1.00	1.030	1.00	50.00	50.00	1.471	1.471	1.00

Data: C4404128.TI
04/12/91 11.49:00
Samp le: SSTD50 2-133-C SAB
Conds.: 4501 FSCC GCBA CASE# SDG#
Formula: 1UL INJ + 10UL INT Instrument: 4501 Weight. 0 000
Submitted by: ITAS Analyst: SAB Acct. No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in RL

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL-FHENYL ETHER
54	C530 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE (DIPHENYLAMINE) CCC
58	C625 4-BROMOPHENYL-PHENYL ETHER
59	C630 HEXACHLORODENZENE
60	C635 PENTACHLOROPHENOL CCC
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
43	C650 DI-N-BUTYL PHTHALATE
64	C655 FLUURANTHENE
65	C710 BENZIDINE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3·-DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C740 CHRYSENE
71	C745 BIS(2-ETHYLHEXYL) PHTHALATE
72	C760 DI-N-OCTYL PHTHALATE CCC
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE CCC
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZ(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	EP01 TOTAL (3 & 3 METHYL PHENOLS)
80	EP02 PYRIDINE
81	EP03 2,3,4,6-TETRACHLOROPHENOL
82	AP02 N-NITROSODIMETHYLAMINE
83	AP03 N-NITROSOMETHYLETHYLAMINE
84	AP04 2-PICOLINE

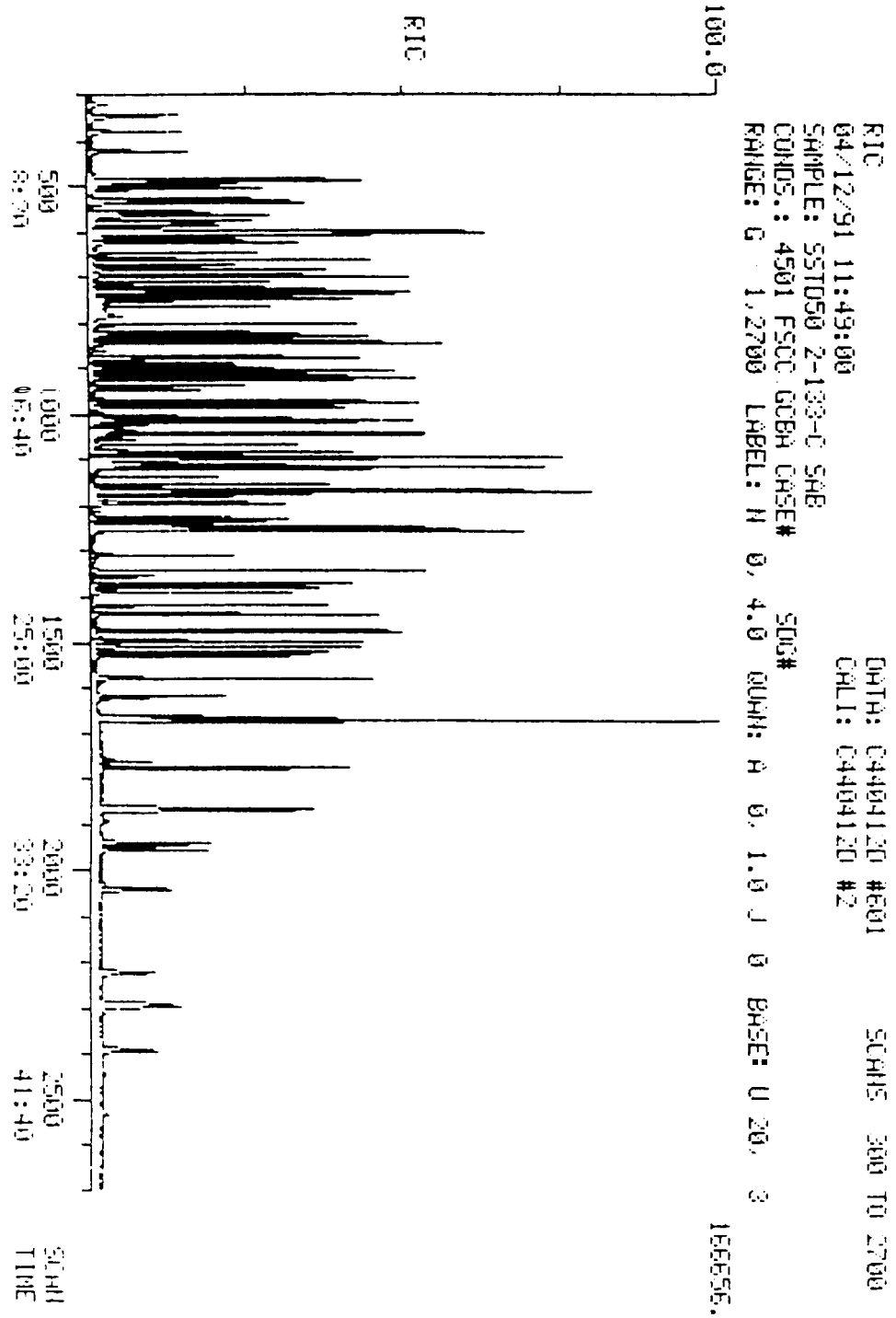
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1046	17:26	3	1.034	A BB	18120.	50.000 UG/L	1.18
52	149	1087	18:07	3	1.074	A OB	59899.	50.000 UG/L	1.18
53	204	1096	18:16	3	1.083	A BB	20865.	50.000 UG/L	1.18
54	166	1097	18:17	3	1.084	A BB	54766.	50.000 UG/L	1.18
55	138	1104	18:24	3	1.091	A VV	11460.	50.000 UG/L	1.18
56	198	1111	18:31	4	0.892	A BV	20929.	50.000 UG/L	1.18
57	169	1116	18:36	4	0.896	A BB	66613.	100.000 UG/L	2.36
58	248	1173	19:33	4	0.342	A BB	14247.	50.000 UG/L	1.18
59	284	1198	19:58	4	0.962	A BB	14257.	50.000 UG/L	1.18

60	266	1225	20:25	4	0.984	A	B0	10181.	50.000	UG/L 1.18
61	178	1249	20.49	4	1.003	A	BV	77907.	50.000	UG/L 1.18
62	178	1256	20:56	4	1.009	A	VB	73562.	50.000	UG/L 1.18
63	149	1344	22:24	4	1.080	A	BB	105344.	50.000	UG/L 1.18
64	202	1440	24:00	4	1.157	A	BB	74009.	50.000	UG/L 1.18
55	184	1420	23.40	5	0.850	A	BB	711.	50.000	UG/L 1.18
66	202	1475	24:35	5	0.883	A	BB	77823	50.GOO	UG/L 1.18
67	149	1581	26:21	5	0.947	A	BB	44480	50.000	UG/L 1.18
68	252	1662	27:42	5	0.995	A	BB	15855.	50.GOO	UG/L 1.18
a?	228	1667	27:47	5	0.998	A	BV	62483.	50.000	UG/L 1.18
70	228	1674	27:54	5	1.002	A	VB	51685.	50.000	UG/L 1.18
71	149	1674	27:54	5	1.002	A	VB	55333.	50.000	UG/L 1.18
72	139	1777	29:37	6	0.908	A	BB	90878.	50.000	UG/L 1.18
73	252	1872	31:12	e	0.957	A	VB	48307.	50.000	UG/L 1.18
74	252	1872	31:12	4	0.957	A	VB	49307.	50.000	UG/L 1.18
75	252	1944	32:24	6	0.993	A	BB	50555.	50.000	UG/L 1.18
75	274	2291	38:11	5	1.171	A	BB	41598.	50.000	UG/L 1.18
77	278	2298	38:18	6	1.174	A	BB	36633.	50.000	UG/L 1.18
78	276	2393	39:53	6	1.223	A	BB	35618.	50.000	UG/L 1.18
79	108	403	10:03	1	1.127	A	BB	59851.	100.000	UG/L 2.36
a0	79	176	2:54	1	0.329	A	BB	28339.	50.000	UG/L 1.18
81	232	1068	17:48	3	1.055	A	BB	13634.	50.000	UG/L 1.18
82	74	174	2:54	1	0.325	A	BB	23743.	50.000	UG/L 1.18
83	42	279	4:39	1	0.521	A	BB	19347.	50.000	UG/L 1.18
84	93	262	4:22	1	0.490	A	BB	16126.	50.000	UG/L 1.18

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R Fac(L)	Ratio
51	17:26	1.00	1.034	1.00	50.00	50.00	0.401	0.401	1.00
52	18:07	1.00	1.074	1.00	50.00	50.00	1.327	1.327	1.00
53	18:16	1.00	1.083	1.00	50.00	50.00	0.462	0.462	1.00
54	18:17	1.00	1.084	1.00	50.00	50.00	1.213	1.213	1.00
55	18:24	1.00	1.091	1.00	50.00	50.00	0.254	0.254	1.00
56	18:31	1.00	0.Y92	1.00	50.00	50.00	0.293	0.293	1.00
57	18:36	1.00	0.69a	1.00	100.00	100.00	0.467	0.467	1.00
58	19:33	1.00	0.942	1.00	50.00	50.00	0.200	0.200	1.00
5s	19:58	1.00	0.962	1.00	50.00	50.00	0.200	0.200	1.00
60	20:25	1.00	0.584	1.00	50.00	50.00	0.143	0.143	1.00
61	20:49	1.00	1.003	1.00	50.00	50.00	1.092	1.092	1.00
62	20:56	1.00	1.009	1.00	50.00	50.00	1.031	1.031	1.00
63	22:24	1.00	1.080	1.00	50.00	50.00	1.476	1.476	1.00
64	24:00	1.GO	1.157	1.00	50.00	50.00	1.037	1.037	1.00
65	23:40	1.00	0.850	1.00	50.00	50.00	0.oi4	0.014	1.00
66	24:35	1.00	0.983	1.00	50.00	50.00	1.550	1.550	1.00
67	26:21	1.00	0.947	1.00	50.00	50.00	0.886	0.886	1.00
68	27:42	1.GO	0.995	1.00	50.00	50.00	0.376	0.374	1.00
69	27:47	1.00	0.998	1.00	50.00	50.00	1.245	1.245	1.00
70	27:54	1.00	1.002	1.00	50.00	50.00	1.029	1.029	1.00
71	27:54	1.00	1.002	1.00	50.00	50.00	1.162	1.162	1.00
72	29:37	1.00	0.908	1.00	50.00	50.00	2.031	2.031	1.00
73	31:12	1.00	0.957	1.00	50.00	50.00	1.080	1.080	1.00
74	31:12	1.00	0.937	1.00	50.00	50.00	1.080	1.080	1.00
75	32:24	1.00	0.993	1.00	50.00	50.00	1.130	1.130	1.00
76	38:11	1.00	1.171	1.00	50.00	50.00	0.930	0.930	1.00
77	38:18	1.00	1.174	1.00	50.00	50.00	0.819	0.819	1.00
78	39:53	1.00	1.223	1.00	50.00	50.00	0.796	0.796	1.00
79	10:03	1.00	1.127	1.00	100.00	100.00	1.388	1.388	1.00

NO	Ret(L)	Ratio	RR1(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	2:56	1.00	0.329	1.00	50.00	50.00	1.315	1.315	1.00
81	17:48	1.00	1.055	1.00	50.00	50.00	0.302	0.302	1.00
82	2:54	1.00	0.325	1.00	50.00	50.00	1.101	1.101	1.00
83	4:39	1.00	0.521	1.00	50.00	50.00	0.898	0.898	1.00
84	4.22	1.00	0.490	1.00	50.00	50.00	0.748	0.748	1.00

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	535
NAPHTHALENE-D8	IS#2	AT	SCAN:	733
ACENAPTHENE-D10	IS#3	AT	SCAN:	1012
PHENANTHRENE-D10	IS#4	AT	SCAN:	1245
CHRYSENE-D12	IS#5	AT	SCAN:	1670
PERYLENE-D12	IS#6	AT	SCAN:	1957
2-FLUOROPHENOL	SS#1	AT	SCAN:	323
PHENOL-D6	SSU2	AT	SCAN:	382
NITROBENZENE	SS#3	AT	SCAN:	426
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	491
TRIBROMOPHENOL	SS#5	AT	SCAN:	597
TERPHENYL-D14	SS#6	AT	SCAN:	601



U00151

Data: C4404120.TI
04/12/91 11:49:00
Sample: SSTD50 2-133-C SAB
Conds.: 4501 FSCC GCBA CASE# SDG#
Formula: 1UL INJ + 10UL INT Instrument: 4501 Weight: 0 00G
Submitted by: ITAS Analyst: SAB Acct. No..

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-D10 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD
6	CI75 PERYLENE-D12 INTERNAL STD
7	AP05 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
3	AP07 ETHYLMETHANESULFONATE
10	AB08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

3200663

No	Name
48	AP47 DIELDRIN
49	AP48 **P-DIMETHYLAMINOAZOBENZENE**
50	AP49 CHLOROBENZILATE

UUU155

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	535	8:55	1	1.000	A CB	17245.	40.000 UG/L	1.45
2	134	733	12:13	2	1.000	A BV	67040.	40.000 UG/L	1.45
3	164	1012	16:52	3	1.000	A BB	36124.	40.000 UG/L	1.45
4	188	1245	20.45	4	1.000	A BB	57092.	40.000 UG/L	1.45
5	240	1670	27:50	5	1.000	A BB	40165	40.000 UG/L	1.45
4	264	1957	32:37	6	1.000	A BB	35794.	40.300 UG/L	1.45
7	80	323	5:23	1	0.604	A BB	6128.	50.000 UG/L	1.82
8	42	383	6:23	1	0.716	A BB	19140.	50.000 UG/L	1.82
9	79	426	7:06	1	0.796	A BB	26524.	50.000 UG/L	1.82
10	117	491	8.11	1	0.718	A BB	12144.	50.000 UG/L	1.82
11	41	597	9:57	1	1.116	A BV	21075	50.000 UG/L	1.82
12	105	401	10:01	1	1.123	A BB	46730.	50.000 UG/L	1.82
13	56	600	10:00	1	1.121	A BV	23559.	50.000 UG/L	1.82
14	108	603	10:03	1	1.127	A BB	59851.	50.000 UG/L	1.82
15	106	608	10:08	1	1.136	A VB	48180.	50.000 UG/L	1.82
16	42	648	10:48	2	0.884	A BB	33371.	50.000 UG/L	1.82
17	58	770	12:50	2	1.050	M XX	22066.	50.000 UG/L	1.82
18	162	749	12:29	2	1.022	A BB	24361.	50.000 UG/L	1.82
19	213	756	12:36	2	1.031	A BO	5641.	50.000 UG/L	1.82
20	a4	804	13:24	2	1.097	A BB	26230.	50.000 UG/L	1.92
21	162	833	13:53	2	1.136	A BB	23732.	50.000 UG/L	1.82
22	216	878	14:38	3	0.868	A BB	22221.	50.000 UG/L	1.82
23	162	913	15:13	3	0.902	A BV	23441.	50.000 UG/L	1.82
24	168	c75	16.15	3	0.963	A BB	10116.	50.000 UG/L	1.82
25	250	1047	17:27	3	1.035	A BO	17743.	50.000 UG/L	1.82
26	143	1054	17.34	3	1.042	A BV	7710.	50.000 UG/L	1.82
27	143	1066	17:46	3	1.053	A VB	3407.	50.000 UG/L	1.82
28	97	1100	18.20	4	0.884	A BB	16318.	50.000 UG/L	1.82
29	152	1102	18:22	4	0.885	A BV	16438.	50.000 UG/L	1.82
30	169	1116	18:36	4	0.896	A BB	66613.	50.000 UG/L	1.82
31	97	1155	19:15	4	0.928	A BB	13140.	50.000 UG/L	1.82
32	75	1162	19:22	4	0.933	A BV	16197.	50.000 UG/L	1.82
33	108	1169	19.29	4	0.939	M XX	29282.	50.000 UG/L	1.82
34	75	1169	19:29	4	0.939	A VV	54330.	50.000 UG/L	1.82
35	33	1168	19:28	4	0.938	A BV	41642.	50.000 UG/L	1.82
36	a7	1196	19:56	4	0.961	A BB	25117.	50.000 UG/L	1.82
37	169	1215	20:15	4	0.976	M XX	435.	50.000 UG/L	1.82
38	173	1231	20:31	4	0.989	A BB	20003.	50.000 UG/L	1.82
39	237	1238	20:38	4	0.994	A BB	5552.	50.000 UG/L	1.82
40	88	1251	20:51	4	1.005	A BV	48870.	50.000 UG/L	1.82
41	109	1311	21:51	4	1.053	A BV	20147.	50.000 UG/L	1.82
42	190	1373	22:53	4	1.103	A OB	3753.	50.000 UG/L	1.82
43	97	1373	22:53	4	1.103	A BV	16225.	50.000 UG/L	1.82
44	66	1381	23:01	4	1.109	A BB	15982.	50.000 UG/L	1.82
45	58	1391	23:11	4	1.117	A VB	39983.	50.000 UG/L	1.82
46	133	1420	23:40	4	1.141	A BB	10224.	50.000 UG/L	1.82
47	185	1498	24:58	5	0.897	A BB	5612.	50.000 UG/L	1.82
38	79	1512	25:12	5	0.905	A BB	21142.	50.000 UG/L	1.92
49	120	1524	25:24	5	0.913	A BB	29899.	50.000 UG/L	1.82
50	133	1533	25:33	5	0.918	A BB	30574.	50.000 UG/L	1.82

NO	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R Fac	R Fac(L)	Ratio
1	a:55	1.00	1.000	1.00	40.00	40.00	1.000	1 000	1.00
2	12:13	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	20:45	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:50	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5 23	1.00	0.604	1.00	50.00	50.00	0.284	0.284	1.00
a	6:23	1.00	0.716	1.00	50.00	50.00	0.888	0 888	1.00
3	7 06	1 00	0.796	1.00	50.00	50 00	1.230	1 230	1.00
10	8:11	1.00	0.918	1.00	50 00	50 00	0.563	3.563	1.00
11	9:57	1.00	1.116	1.00	50.00	50 30	0.978	0.378	1.00
12	10:01	1.00	1.123	1.00	50.00	50 00	2 168	2.168	1.00
13	10:00	1.00	1.121	1.00	50.00	50.00	1.093	1.093	1.00
14	10:03	1.00	1.127	1.00	50.00	50.00	2.776	2.775	1.00
15	10:08	1.00	1.136	1.00	50.00	50.00	2.235	2.235	1.00
16	10:48	1.00	0.884	1.00	50.00	50.00	0.398	0 398	1.00
17	12:50	1.00	1.050	1.00	50.00	50.00	0.263	0.263	1.00
18	12:29	1.00	1.022	1.00	50.00	50.60	0.292	0.292	1.00
19	12:36	1.00	1.031	1.00	50.00	50.60	0.079	0.079	1.00
20	13:24	1.00	1.097	1.00	50.00	50.00	0.313	0.313	1.00
21	13:53	1.00	1.136	1.00	50.00	50.00	0.283	0.283	1.00
22	14:38	1.00	0.868	1.00	50.00	50.00	0.492	0.492	1.00
23	15:13	1.00	0.902	1.00	50.00	50.00	0.519	0.519	1.00
24	16:15	1.00	0.963	1.00	50.00	50.00	0.224	0.224	1.00
25	17:27	1.00	1.035	1.00	50.00	50.00	0.393	0.393	1.00
26	17:34	1.00	1.041	1.00	50.00	50.00	0.171	0.171	1.00
27	17:46	1.00	1.053	1.00	50.00	50.00	0.075	0.075	1.00
28	18:20	1.00	0.884	1.00	50.00	50.00	0.229	0.229	1.00
29	18:22	1.00	0.835	1.00	50.00	50.00	0.230	0.230	1.00
30	18:36	1.00	0.896	1.00	50.00	50.00	0.933	0.933	1.00
31	19:15	1.00	0.928	1.00	50.00	50.00	0.184	0.184	1.00
32	19:22	1.00	0.933	1.00	50.00	50.00	0.227	0.227	1.00
33	19:29	1.00	0.939	1.00	50.00	50.00	0.410	0.410	1.00
34	19:23	1.00	0.939	1.00	50.00	50.00	0.761	0.761	1.00
35	19:28	1.00	0.938	1.00	50.00	50.00	0.584	0.584	1.00
36	19:56	1.00	0."61	1.00	50.00	50.00	0.352	0.352	1.00
37	20:15	1.00	0.376	1.00	50.00	50.00	0.006	0.006	1.00
38	20:31	1.00	0.989	1.00	50.00	50.00	0.280	0.280	1.00
39	20:38	1.00	0.994	1.00	50.00	50.00	0.078	0.078	1.00
40	20:51	1.00	1.005	1.00	50.00	50.00	0.685	0.585	1.00
41	21:51	1.00	1.053	1.00	50.00	50.00	0.282	0.282	1.00
42	22:53	1.00	1.103	1.00	50.00	50.00	0.053	0.052	1.00
43	22:53	1.00	1.103	1.00	50.00	50.00	0.227	0.227	1.00
44	23:01	1.00	1.109	1.00	S0.00	50.00	0.224	0.224	1.00
45	23:11	1.00	1.117	1.00	50.00	50.00	0.560	0.560	1.00
44	23:40	1.00	1.141	1.00	50.00	50.00	0.143	0.143	1.00
47	24:58	1.00	0.897	1.00	50.00	50.00	0.112	0.112	1.00
48	25:12	1.00	0.905	1.00	50.00	50.00	0.421	0.421	1.00
43	25:24	1.00	0.913	1.00	50.00	50.00	0.596	0.596	1.00
50	25:33	1.00	0.918	1.00	50.00	50.00	0.609	0.609	1.00

3200664

Data: C440412D.TI
04/12/91 11:49:00
Sample: SSTD50 2-133-C SAB
Conds.: 4501 FSCC GCBA CASE# SDG#
Formula: 1UL INJ + 10UL INT Instrument: 4501 Weight: 0.000
Submitted by: ITAS Analyst: SAB Acct. No.

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from Library Entry

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
5a	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
5a	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tar
51	212	1576	26:15	5	0.944	A BB	7331.	50 000 UG/L	1 82
52	NOT FOUND								
53	181	1619	26:59	5	0.969	A BB	27941.	50.000 UG/L	1 82
54	25a	1869	31:09	6	0.955	A BB	23730	50.000 UG/L	1 82
55	268	2043	34:03	6	1.044	A BB	24947	50.000 UG/L	1 82
56	211	1254	20:54	4	1.007	A BB	25352.	50.000 UG/L	1 82
57	158	948	15:48	3	0.$37	A BB	10452.	50 000 UG/L	1 82
58	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	26:16	1.00	0.944	1.00	50.00	50.00	0.140	0.140	1 00
52	26:25		0.950						
53	26:59	1.00	0.969	1.00	50.00	50.00	0.557	0 557	1 00
54	31:09	1.00	0.955	1.00	50.00	50.00	0.530	0.530	1 00
55	34:03	1.00	1.044	1.00	50.00	50.00	0.558	0.558	1 00
56	20:54	1.00	1 007	1.00	50.00	50.00	0.355	0.355	1 00
57	15:48	1.00	0.337	1.00	50.00	50.00	0.231	0.231	1 00
58	31:51		0.976						

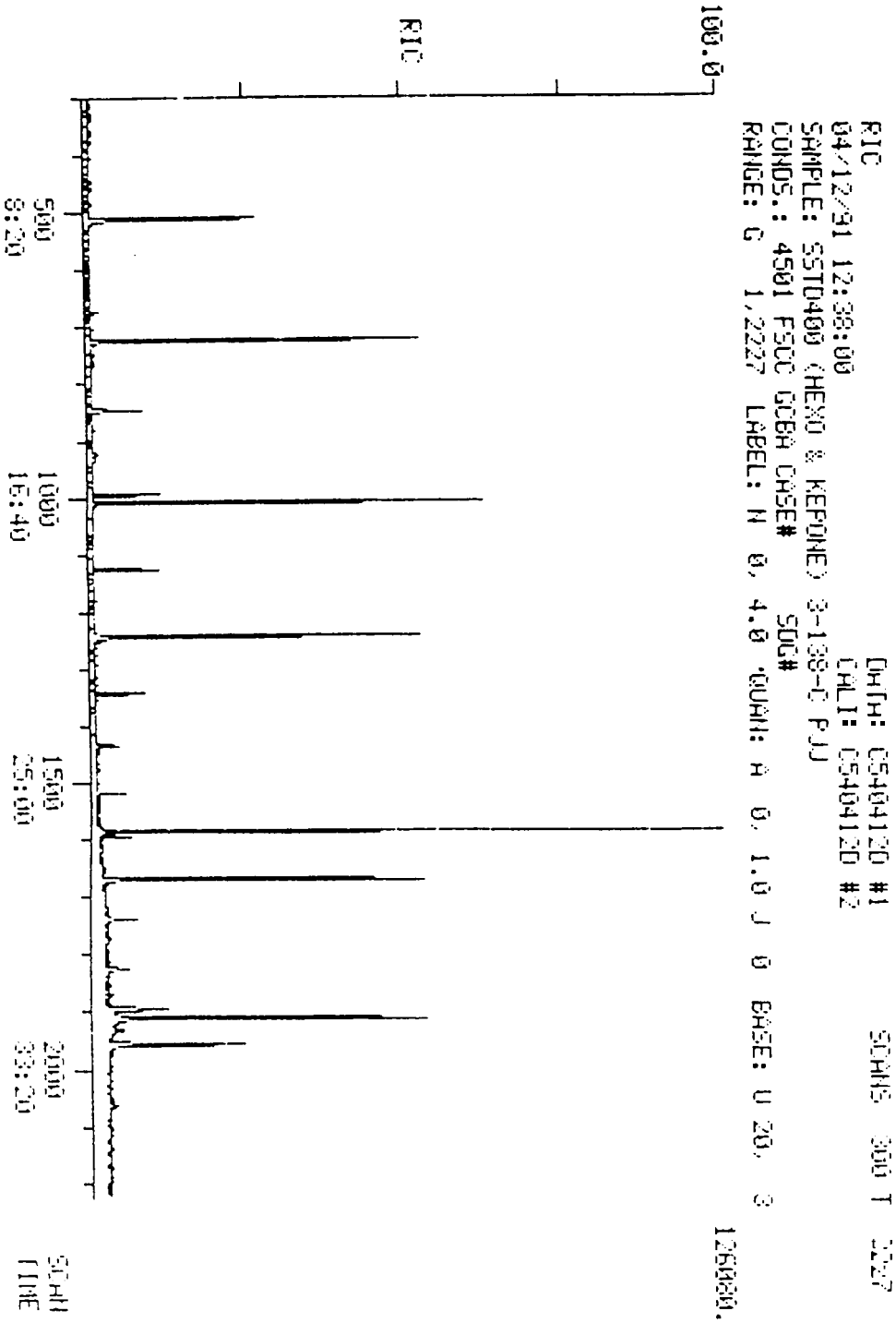
APPENDIX IX SEMIVOLATILE COMPOUNDS

(Page 1)

Case No: STAND Region: _____ Calibration Date: 04/13/91
Contractor: IT PITTSBURGH Time: 13:38
Contract No: _____ Laboratory ID: C5404130
Instrument ID: 4501 Initial Cali. Date: 04/08/91

Compound	AVE RF	RF(50)	% D	CCC	SPCC
METHYL METHANESULFONATE . . .					
N-NITROSODIETHYLAMINE					
ETHYLMETHANESULFONATE					
PENTACHLOROETHANE					
N-NITROSOPYRROLIDINE					
ACETOPHENONE					
N-NITROSOMORPHOLINE					
P-PHENYLENEDIAMINE					
O-TOLUIDINE					
N-NITROSOPIPERIDINE					
ALPHA,ALPHA-DIMETHYLPHENETHYLA					
2,6-DICHLOROPHENOL					
HEXACHLOROPROPENE					
N-NITROSODI-N-BUTYLAMINE . . .					
SAFROLE					
1,2,4,5-TETRACHLOROBENZENE . .					
ISOSAFROLE					
M-DINITROBENZENE					
PENTACHLOROBENZENE					
1-NAPHTHYLAMINE					
2-NAPHTHYLAMINE					
5-NITRO-O-TOLUIDINE					
DIPHENYLAMINE					
SYM-TRINITROBENZENE					
PHENACETIN					
4-AMINOBIPHENYL					
PRONAMIDE					
PENTACHLORONITROBENZENE . . .					
4-NITROQUINOLINE-1-OXIDE . . .					
METHAPYRILENE					
ISODRIN					
ARAMITE					
P-DIMETHLAMINOAZOBENZENE . . .					
3,3-DIMETHYLBENZIDINE	0.001	0.001	0.0		
PEPONE	0.083	0.067	19.3		
2-ACETYLAMINOFLUORENE					
7,12-DIMETHYLBENZ(A)ANTHRACENE					
3-METHYLCHOLANTHRENE					
DINOSEB					
1,4-NAPHTHOQUINONE					
HEXACHLOROPHENE	0.109	0.053	51.4		

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	512
NAPHTHALENE-DE	IS#2	AT	SCAN:	724
ACENAPTHENE-D10	IS#3	AT	SCAN:	1010
PHENANTHRENE-D10	IS#4	AT	SCAN:	1244
CHRYSENE-D12	IS#5	AT	SCAN:	1669
PERYLENE-D12	IS#6	AT	SCAN:	1957
2-FLUOROPHENOL	SS#1	AT	SCAN:	0
PHENOL-D6	SS#2	AT	SCAN:	0
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	0
TRIBROMOPHENOL	SS#5	AT	SCAN:	0
TERPHENYL-D14	SS#6	AT	SCAN:	0



Data C540412D TI
04/12/91 12.3800
Sample SSTD400 (HEXO & KEPONE) 3-138-C PJJ
Conds.. 4501 FSCC GCBA CASE# SDG#
Formula 1UL INJ + 10UL INT Instrument 4501 Weight 0 000
Submitted by ITAS Analyst PJJ Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in RL

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-08 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-D10 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD.
6	C175 PERYLENE-012 INTERNAL STD
7	AP05 METHYL METHANESULFONATE
8	AP04 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETUPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 0-TOLUIDINE
14	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISUSAFRULE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFUTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFUTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

48 AP47 DIELDRIN
49 AP48 P-DIMETHYLAMINOAZOBENZENE
50 AP49 CHLOROBENZILATE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	512	8:32	1	1.000	A BB	17942.	40.000 UG/L	1.79
2	136	724	12:04	2	1.000	A BB	66055.	40.000 UG/L	1.79
3	164	1010	16:50	3	1.000	A BB	39657	40.000 UG/L	1.79
4	188	1243	20:43	4	1.000	A BB	59371.	40.000 UG/L	1.79
5	240	1669	27:49	5	1.000	A BB	46074.	40.000 UG/L	1.79
6	264	1957	32:37	6	1.000	A BB	35755.	40.000 UG/L	1.79
7	NOI FOUND								
8	NOT FOUND								
9	NOI FOUND								
10	NOI FOUND								
11	NOI FOUND								
12	NOI FOUND								
13	NOI FOUND								
14	NOI FOUND								
15	NOI FOUND								
16	NOI FOUND								
17	NOI FOUND								
18	NOI FOUND								
19	NOI FOUND								
20	NOI FOUND								
21	NOI FOUND								
22	NOT FOUND								
23	NOI FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOI FOUND								
27	NOI FOUND								
28	NOI FOUND								
29	NOT FOUND								
30	NOI FOUND								
31	NOT FOUND								
32	NOI FOUND								
33	NOI FOUND								
34	75	1168	19:28	4	0.940	A BB	378.	399.999 UG/L	17.86
35	NOI FOUND								
36	NOI FOUND								
37	NOI FOUND								
38	NOI FOUND								
39	NOI FOUND								
40	88	1250	20:50	4	1.006	A BB	208.	399.999 UG/L	17.86
41	NOT FOUND								
42	NOI FOUND								
43	NOI FOUND								
44	NOI FOUND								
45	NOI FOUND								
46	NOI FOUND								
47	NOI FOUND								
48	NOI FOUND								
49	NOI FOUND								
50	NOT FOUND								

No	Ret(L)	Ratio	RR(L)	Ratio	Amnt	Amnt(L)	R Fac	R Fac(L)	Ratio
1	8:32	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:04	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	16:50	1.G0	1.GOO	1.00	40.00	40.00	1.000	1.C00	1.00
4	20:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	27:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	32:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:30		0.619						
a	6:27		0.726						
9	7:09		0.805						
10	a.11		0.921						
11	9:56		1.118						
12	9:58		1.122						
13	9:58		1.122						
14	10:00		1.126						
15	10:04		1.133						
16	10:44		0.887						
17	12:42		1.G50						
18	12:22		1.022						
13	12:28		1.c30						
20	13:16		1.034						
21	13:43		1.134						
22	14:28		0.868						
23	15:03		0.903						
24	16:04		0.964						
25	17:14		1.034						
26	17:20		1.040						
27	17:31		1.051						
28	18:06		0.584						
29	18:08		0.885						
30	18:22		0.697						
31	19:01		0.928						
32	18:56		0.924						
33	i9:14		0.439						
34	19:28	1.00	0.940	1.00	400.00	400.00	0.001	0.001	1.00
35	19:14		0.939						
36	19:40		0.960						
37	20:00		0.976						
38	20:04		0.980						
33	20:22		0.994						
40	20:50	1.00	1.006	1.00	400.00	400.00	0.000	0.000	1.00
41	21:24		1.045						
42	22:28		1.097						
43	22:35		1.103						
44	22:42		1.108						
45	22:53		1.117						
46	23:21		1.140						
47	24:38		0.897						
48	24:51		0.905						
49	25:04		0.913						
50	25:12		0.918						

Data C540412D.TI
04/12/91 12.38:00
Sample: SSTD400 (HEXO & KEPONE) 3-138-C PJJ
Conds. 4501 FSCC GCBA CASE# SDG#
Formula 1UL INJ + 10UL INT Instrument: 4501 Weight 0 000
'bmitted by ITAS Analyst PJJ Acct No

—AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from average of the 1 closest data points in RL

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Mcth	Area(Hght)	Amount	%Tot
51	212	1585	26:25	5	0.950	A BB	464.	399.999 UG/L	17 86
52	272	1585	26:25	5	0 950	A BB	30747.	399.999 UG/L	17 86
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	196	1911	31:51	6	0.976	A BE	18791.	399.999 UG/L	17 86

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	26:25	1.00	0.950	1.00	400.00	400.00	0.001	0.001	1 00
52	26:25	1.00	0.950	1.00	400.00	400.00	0.067	0.067	1 00
53	26:38		0.370						
54	30:49		0.356						
55	33:44		1.046						
56	20:38		1 007						
57	15:37		0.937						
58	31:51	1.00	0.976	1.00	400.00	400.00	0.053	0.053	1 00

Laboratory Name: IT PITTSBURGH
Lab Sample ID: 010316501
Client Sample ID: FB3W001

Concentration: LOW
Sample Matrix: WATER
Percent Moisture: _____

Date Extracted: 04/01/91
Date Analyzed: 04/25/91
Dilution Factor: 1.0

APPENDIX IX SEMIVOLATILE COMPOUNDS

CAS Number		[illegible]	[illegible]
	N-NITROSODIMETHYLAMINE . .	10	U
	N-NITROSOMETHYLETHYLAMINE	20	U
	2-PICOLINE	20	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether .	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene . . .	10	U
106-46-7	1,4-Dichlorobenzene . . .	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene . . .	10	U
108-60-1	bis(2-Chloroisopropyl)Ether	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene . .	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene . . .	10	U
59-50-7	4-Chloro-3-Methylphenol .	10	U
91-57-6	2-Methylnaphthalene . . .	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol . .	10	U
95-95-4	2,4,5-Trichlorophenol . .	50	U
91-58-7	2-Chloronaphthalene . . .	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U

CAS Number		[illegible]	[illegible]
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate . . .	3	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate . . .	10	U
91-94-1	3,3'-Dichlorobenzidine . .	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate . . .	10	U
205-99-2	Benzo(b)Fluoranthene . . .	10	U
207-08-9	Benzo(k)Fluoranthene . . .	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene . .	10	U
53-70-3	Dibenz(a,h)Anthracene . .	10	U
191-24-2	Benzo(g,h,i)Perylene . . .	10	U
	TOTAL METHYLPHENOL	10	U
110-86-1	PYRIDINE	50	U
	2,3,4,6-TETRACHLOROPHENOL	50	U

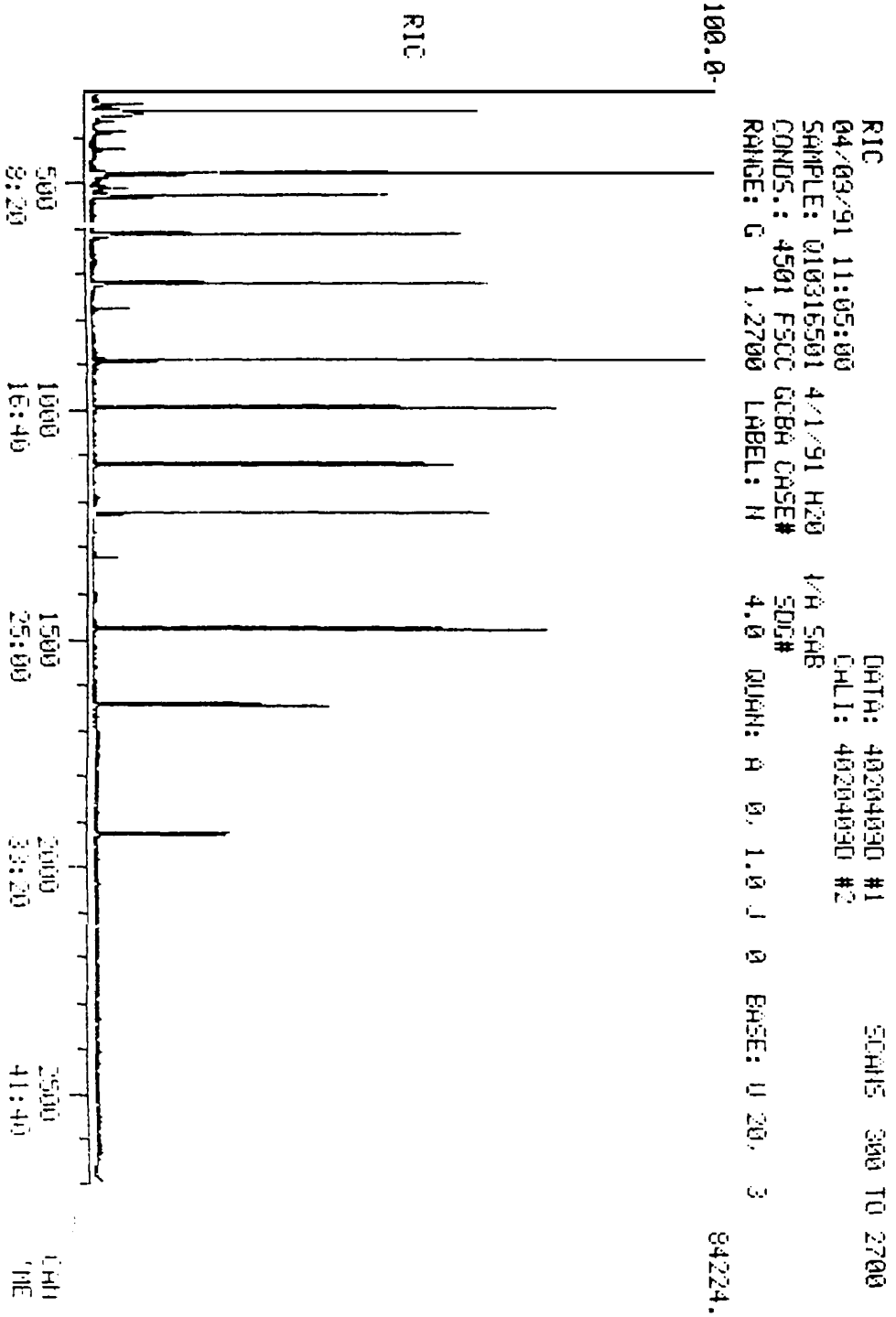
Laboratory Name: IT PITTSBURGH Concentration: LOW Date Extracted: 04 01 91
Lab Sample ID: 010316501 Sample Matrix: WATER Date Analyzed: 04 09 91
Client Sample ID: P32W001 Percent Moisture: _____ Dilution Factor: 1.0

APPENDIX IX SEMIVOLATILE COMPOUNDS

CAS Number		ug/L		CAS Number		ug/L	
	METHYL METHANESULFONATE	20	U				
	N-NITROSODIETHYLAMINE	10	U				
	ETHYLMETHANESULFONATE	10	U				
	PENTACHLOROETHANE	10	U				
	N-NITROSOPYRROLIDINE	10	U				
	ACETOPHENONE	10	U				
	N-NITROSOMORPHOLINE	10	U				
	P-PHENYLENEDIAMINE	10	U				
	O-TOLUIDINE	10	U				
	N-NITROSOPIPERIDINE	10	U				
	ALPHA,ALPHA-DIMETHYLPHENETH	20	U				
	2,6-DICHLOROPHENOL	10	U				
	HEXACHLOROPROPENE	10	U				
	N-NITROSODI-N-BUTYLAMINE	10	U				
	SAFROLE	10	U				
	1,2,4,5-TETRACHLOROBENZENE	10	U				
	ISOSAFROLE	10	U				
	M-DINITROBENZENE	10	U				
	PENTACHLOROBENZENE	10	U				
	1-NAPHTHYLAMINE	50	U				
	2-NAPHTHYLAMINE	50	U				
	5-NITRO-O-TOLUIDINE	10	U				
	DIPHENYLAMINE	10	U				
	SYM-TRINITROBENZENE	10	U				
	PHENACETIN	10	U				
	4-AMINOBIPHENYL	50	U				
	PRONAMIDE	10	U				
	PENTACHLORONITROBENZENE	50	U				
	4-NITROQUINOLINE-1-OXIDE	50	U				
	METHAPYRILENE	10	U				
	ISODRIN	10	U				
	ARAMITE	20	U				
	P-DIMETHLAMINOAZOBENZENE	10	U				
	3,3-DIMETHYLBENZIDINE	20	U				
	KEPONE	300	U				
	2-ACETYLAMINOFLUORENE	10	U				
	7,12-DIMETHYLBENZ(A)ANTHRAC	10	U				
	3-METHYLCHOLANTHRENE	10	U				
	DINOSEB	50	U				
	1,4-NAPHTHOQUINONE	50	U				
	HEXACHLOROPHENE	300	U				

(1) N-nitrosodiphenylamine and Diphenylamine cannot be separated .

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	529
NAPHTHALENE-D8	IS#2	AT	SCAN:	722
NAPTHENE-D10	IS#3	AT	SCAN:	996
PHENANTHRENE-D10	IS#4	AT	SCAN:	1225
CHRYSENE-D12	IS#5	AT	SCAN:	1643
PERYLENE-D12	IS#6	AT	SCAN:	1928
2-FLUOROPHENOL	SS#1	AT	SCAN:	0
PHENOL-D6	SS#2	AT	SCAN:	0
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	0
TRIBROMOPHENOL	SS#5	AT	SCAN:	0
TERPHENYL-D14	SS#6	AT	SCAN:	0



Quantitation Report File: 4020409D

Data 4020409D TI
04/09/31 11 05 00
Sample Q10316501 4/1/91 H20 BN/A SAB
Inds 4501 FSCC GCBA CASE# SDG#
Formula 10L +10UL INT Instrument 4501 Weight: 0.000
Submitted by ITAS-PIT Analyst SAB Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-D10 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD
4	CI75 PERYLENE-D12 INTERNAL STD
7	AP05 METHYL METHANESULFONATE
a	AP06 N-NITROSODIETHYLAMINE
?	AP07 ETHYLMETHANESULFONATE
10	AP08 FENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP 12 N-NITROSOMORPHOLINE
14	AP13 P-FHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSGPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
15	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
24	AP25 !-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-0-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 FHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
35	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 OISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	529	8.49	1	1.000	A BB	18959.	40.000 UG/L	16.63
2	134	722	12.02	2	1.000	A BB	65759.	40.000 UG/L	16.43
3	164	996	16.36	3	1.000	A BB	31483.	40.000 UG/L	16.43
4	158	1225	20:25	4	1.000	A BB	42631.	40.000 UG/L	16.63
5	240	1643	27.23	5	1.000	A BB	28555.	40.000 UG/L	16.63
4	264	1928	32:08	6	1.000	A BB	24843.	40.000 UG/L	16.53
7	NOT FOUND								
a	42	366	6:06	1	0.692	A BB	308.	0.856 UG/L	0.36
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NUT FOUND								
16	NOT FOUND								
17	NOT FUUND								
18	NUT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NUT FOVND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NQT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOVND								
49	NOT FOUND								
50	NOT FOUND								

3200670

Quantitation Report File: 4020409D

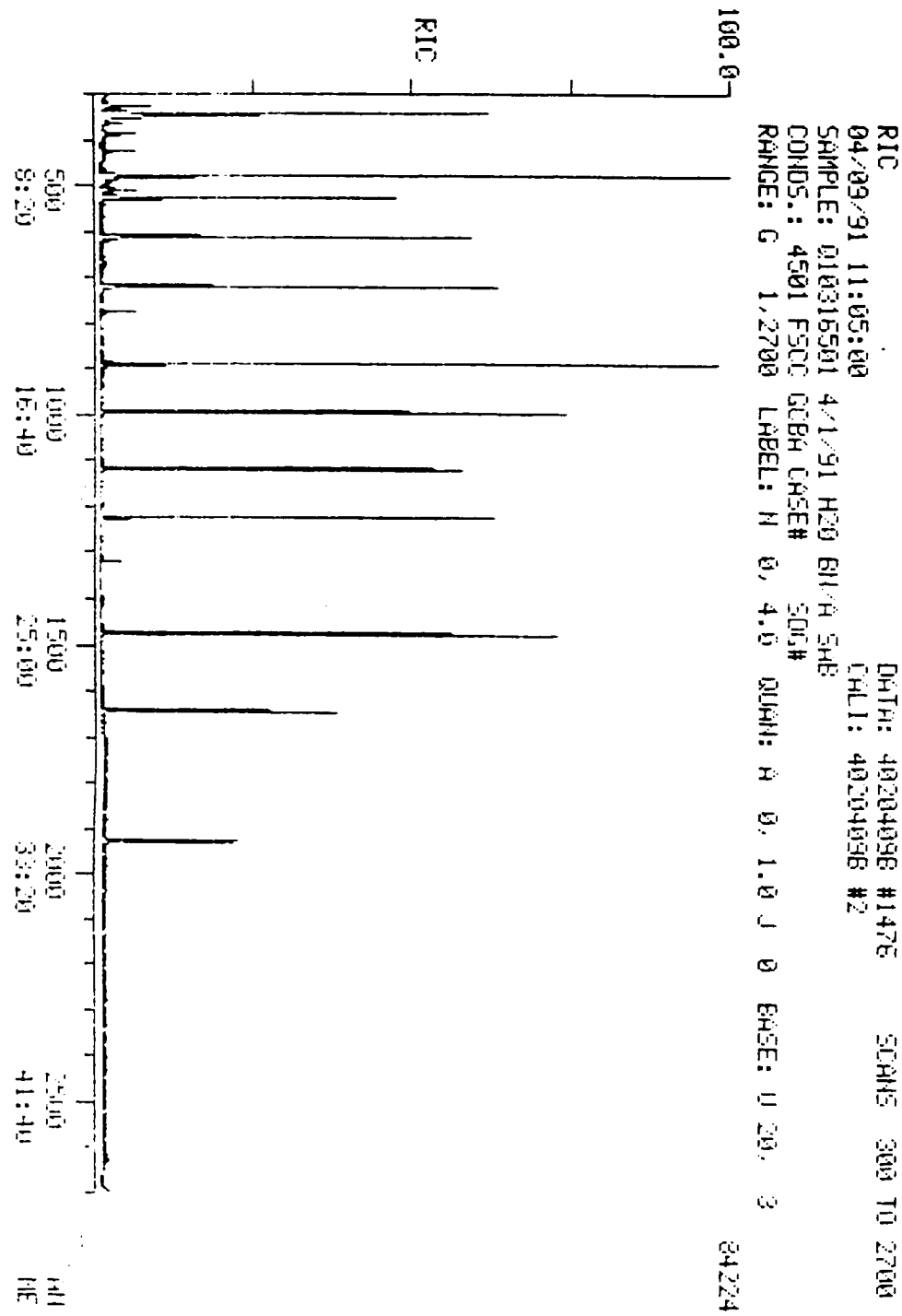
Data: 4020409D.TI
04/09/91 11:05:00
Sample: Q10316501 4/1/91 H20 BN/A SAB
Inds.: 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4501 Weight: 0.000
Submitted by: ITAS-PIT Analyst: SAB Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	529
NAPHTHALENE-D8	IS#2	AT	SCAN:	722
ACNAPTHENE-D10	IS#3	AT	SCAN:	996
PHENANTHRENE-D10	IS#4	AT	SCAN:	1225
CHRYSENE-D12	IS#5	AT	SCAN:	1643
PERYLENE-D12	IS#6	AT	SCAN:	1928
2-FLUOROPHENOL	SS#1	AT	SCAN:	346
PHENOL-D6	SS#2	AT	SCAN:	480
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	901
TRIBROMOPHENOL	SS#5	AT	SCAN.	1120
TERPHENYL-D14	SS#6	AT	SCAN:	1476



000168

Data 40204098 TI
04/09/91 11 05 00
Sample G10316501 4/1/91 H20 BN/A SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL +10UL INT Instrument 4501 Weight;: 0.000
Submitted by ITAS-PIT Analyst SAD Acct. No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

No	Name
1	C130 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-08 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-010 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD
6	CI75 PERYLENE-D12 INTERNAL STD
7	CS50 FLUOHOPHENOL (SURROGATE)
8	CS45 PHENOL-D6 (SURROGATE)
9	CS20 NITROBENZENE-D5 (SURROGATE)
10	CS25 2-FLUOROBIPHENYL (SURROGATE)
11	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
12	CS30 TERPHENYL-D14
13	C320 ANILINE
14	C315 PHENOL CCC
15	C325 BIS(2-CHLOROETHYL)ETHER
la	C330 2-CHLOROPHENOL
17	C335 1,3-DICHLOROEENZENE
18	C340 1,4-DICHLOPOEENZENE CCC
19	C345 BENZYL ALCOHOL
20	C350 1,2-DICHLOROBENZENE
21	C355 2-METHYLPHENOL
22	C360 BIS(2-CHLORO ISOPROPYL!ETHER
23	C370 N-NITROSO-DI-N-PROPYLAMINE SPCC
24	C375 HEXACHLOROETHANE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL CCC
28	C425 2,4-DIMETHYLPHENOL
29	C430 BENZOIC ACID
30	C435 BIS(2-CHLOROETHOXY)METHANE
31	C440 2,4-DICHLOROPHENOL CCC
32	C445 1,2,4-TRICHLOROBENZENE
33	C450 NAPHTHALENE
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE CCC
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE SPCC
39	c.515 2,4,6-TRICHLOROPHENOL CCC
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLQRONAPHTHALENE
42	C530 2-NITROANILINE
43	C535 DIMETHYL PHTHALATE
44	C540 ACENAPHTHYLENE
45	C543 2,6 DINITROTOLUENE
46	C545 3-NITROANILINE
47	C550 ACENAPHTHENE CCC

No	Name
48	8553 2,4-DINITROPHENOL
49	8560 d-NITROPHENOL
50	8569 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	529	8:49	1	1.000	A BB	18959	40.000 UG/L	5.49
2	136	722	12:02	2	1.000	A BB	65759.	40.000 UG/L	5.49
3	164	996	16:36	3	1.000	A BB	31483.	40.000 UG/L	5.49
4	188	1225	20:25	4	1.000	A BB	42631.	40.000 UG/L	5.49
5	240	1643	27:23	5	1.000	A BB	28555.	40.000 UG/L	5.49
6	264	1928	32:08	6	1.000	A BB	24843.	40.000 UG/L	5.49
7	112	346	5:46	1	0.654	A BB	67238.	108.955 UG/L	14.95
8	99	480	8:00	1	0.907	A BB	96836.	96.488 UG/L	13.34
9	82	614	10:14	2	0.850	A BV	43507.	31.894 UG/L	4.38
10	172	892	14:52	3	0.896	A BB	58516.	66.937 UG/L	9.19
11	330	1119	18:39	3	1.123	A BV	11089.	110.596 UG/L	15.17
12	244	1476	24:36	5	0.898	A BB	51604.	71.047 UG/L	9.75
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Data: 4020409B TI
04/09/91 11:G5:00
Sample: (310316501 4/1/91 H20 BN/A SAB
Conds 3501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4501 Weight: 3 000
mitted by: ITAS-PIT Analyst: SAB Acct. No

000171

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

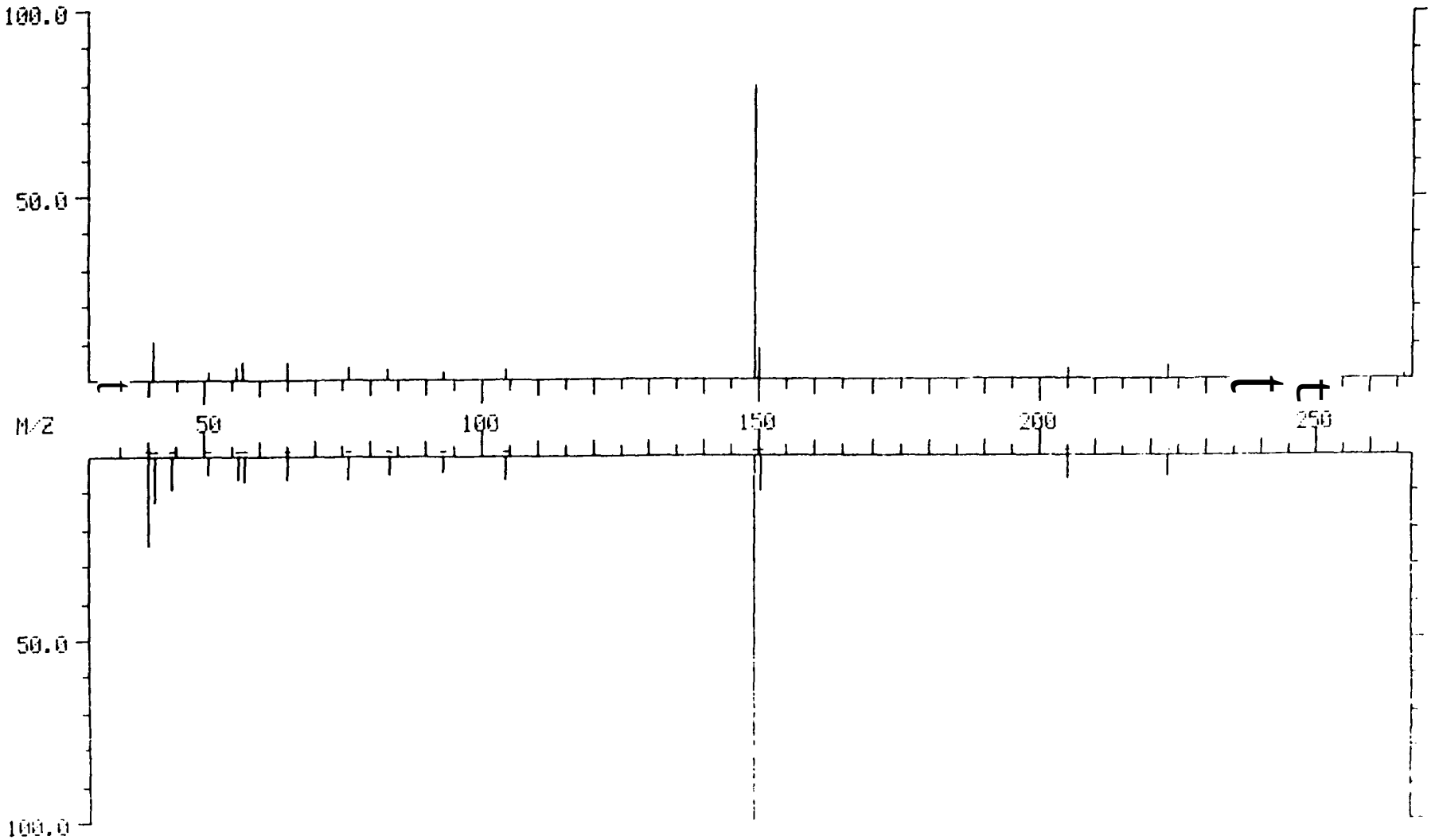
No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL-PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE (DIPHENYLAMINE) CCC
58	C625 4-EROMOPHENYL-PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL CCC
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
a3	C650 DI-N-BUTYL PHTHALATE
a4	C655 FLUORANTHENE
65	C710 BENZIDINE
66	C715 PYRENE
67	C720 BVTYLBENZYLPHTHALATE
68	C725 31 3'-DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C740 CHRYSENE
1	C745 BIS(2-ETHYLHEXYL) PHTHALATE
- 72	C760 DI-N-OCTYL PHTHALATE CCC
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE CCC
76	C780 INDENO(1,2,3-CD)PYRENE
**	C785 DIBENZ(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	EP01 TOTAL (3 & 4 METHYL PHENOLS)
80	EP02 PYRIDINE
81	EP03 2,3,4,6-TETRACHLOROPHENOL
82	AP02 N-NITROSODIMETHYLAMINE
83	AP03 N-NITROSOMETHYLETHYLAMINE
84	AP04 2-PICOLINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hgt)	Amount	Rpt
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
43	149	1322	22 02	4	1.079	A BB	3991	2 703 UG/L	0 37
64	NOT FOUND								
65	NOT FOUND								
66	NOT FOUND								
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	NOT FOUND								
71	149	1648	27 28	5	1 003	A BB	276	0.478 UG/L	0.07
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NUT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
30	NOT FOUND								
81	NOT FOUND								
82	NUT FOUND								
a3	NOT FOUND								
84	NUT FOUND								

DUAL MASS SPECTRUM
04/09/91 11:05:00 + 22:02
SAMPLE: Q10316501 4/1/91 H20 BN/A SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

DATA: 4020409B #1322 BASE M/Z: 149/ 149
CALI: 4020409B #2 RIC: 2523./ 4023.



Laboratory Name: IT PITTSBURGH
Lab Sample ID: 010316502
Client Sample ID: P23W066

Concentration: LOW
Sample Matrix: WATER
Percent Moisture: _____

Date Extracted: 04/01/91
Date Analyzed: 04/09/91
Dilution Factor: 1.2

APPENDIX IX SEMIVOLATILE COMPOUNDS

CAS Number		ug/L	
	N-NITROSODIMETHYLAMINE . .	10	U
	N-NITROSOMETHYLETHYLAMINE	20	U
	2-PICOLINE	30	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether .	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene . . .	16	
106-46-7	1,4-Dichlorobenzene . . .	34	
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene . . .	49	
108-60-1	bis(2-Chloroisopropyl)Ether	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	91	
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene . .	10	U
91-20-3	Naphthalene	56	
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene . . .	10	U
59-50-7	4-Chloro-3-Methylphenol .	10	U
91-57-6	2-Methylnaphthalene . . .	4	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol . .	10	U
95-95-4	2,4,5-Trichlorophenol . .	50	U
91-58-7	2-Chloronaphthalene . . .	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	2	J
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U

CAS Number		ug/L	
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate . . .	3	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate . . .	10	U
91-94-1	3,3'-Dichlorobenzidine . .	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate . . .	10	U
205-99-2	Benzo(b)Fluoranthene . . .	10	U
207-08-9	Benzo(k)Fluoranthene . . .	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene . .	10	U
53-70-3	Dibenz(a,h)Anthracene . .	10	U
191-24-2	Benzo(g,h,i)Perylene . . .	10	U
	TOTAL METHYLPHENOL	9	J
110-86-1	PYRIDINE	50	U
	2,3,4,6-TETRACHLOROPHENOL	50	U

3200674

4/16/91

Laboratory Name: IT PITTSBURGH
Lab Sample ID: G18316502
Client Sample ID: P12W066

Concentration: LOW
Sample Matrix: WATER
Percent Moisture: _____

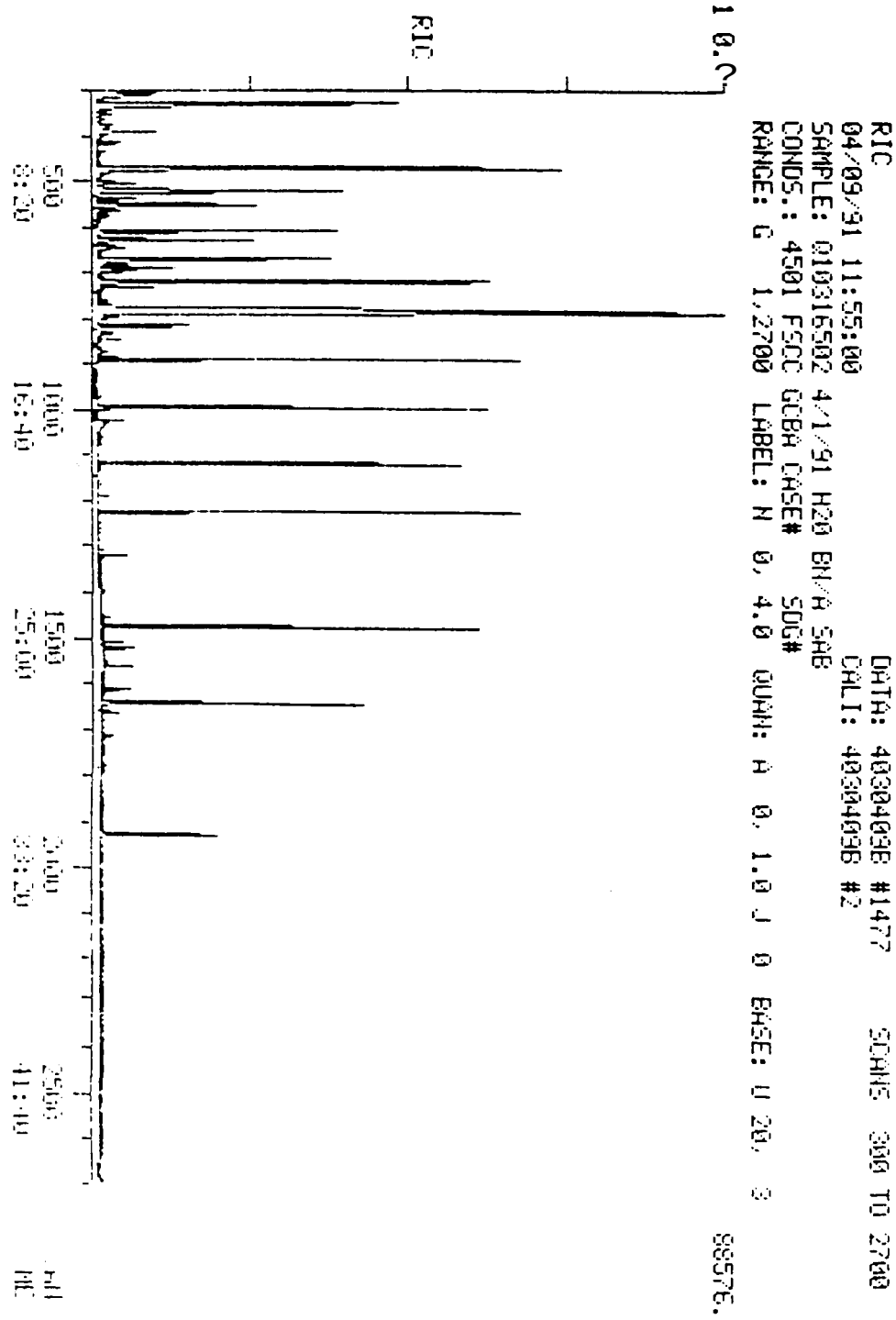
Date Extracted: 04/01/91
Date Analyzed: 04/09/91
Dilution Factor: 1.0

APPENDIX IX SEMIVOLATILE COMPOUNDS

CAS Number		ug/L		CAS Number		ug/L	
	METHYL METHANESULFONATE .	20	U				
	N-NITROSODIETHYLAMINE . .	10	U				
	ETHYL METHANESULFONATE . .	10	U				
	PENTACHLOROETHANE	10	U				
	N-NITROSOPYRROLIDINE . . .	10	U				
	ACETOPHENONE	10	U				
	N-NITROSOMORPHOLINE . . .	10	U				
	P-PHENYLENEDIAMINE	10	U				
	O-TOLUIDINE	10	U				
	N-NITROSOPIPERIDINE . . .	10	U				
	ALPHA,ALPHA-DIMETHYLPHENETH	20	U				
	2,6-DICHLOROPHENOL	10	U				
	HEXACHLOROPROPENE	10	U				
	N-NITROSODI-N-BUTYLAMINE .	10	U				
	SAFROLE	10	U				
	1,2,4,5-TETRACHLOROBENZENE	10	U				
	ISOSAFROLE	10	U				
	M-DINITROBENZENE	10	U				
	PENTACHLOROBENZENE	10	U				
	1-NAPHTHYLAMINE	50	U				
	2-NAPHTHYLAMINE	50	U				
	5-NITRO-O-TOLUIDINE . . .	10	U				
	DIPHENYLAMINE	10	U				
	SYM-TRINITROBENZENE . . .	10	U				
	PHENACETIN	10	U				
	4-AMINOBIPHENYL	50	U				
	PRONAMIDE	10	U				
	PENTACHLORONITROBENZENE .	50	U				
	4-NITROQUINOLINE-1-OXIDE .	50	U				
	METHAPYRILENE	10	U				
	ISODRIN	10	U				
	ARAMITE	20	U				
	P-DIMETHYLAMINOAZOBENZENE .	10	U				
	3,3-DIMETHYLBENZIDINE . .	20	U				
	KEPONE	300	U				
	2-ACETYLAMINOFLUORENE . .	10	U				
	7,12-DIMETHYLBENZ(A)ANTHRAC	10	U				
	3-METHYLCHOLANTHRENE . . .	10	U				
	DINOSEB	50	U				
	1,4-NAPHTHOQUINONE	50	U				
	HEXACHLOROPHENE	300	U				

(1) N-nitrosodiphenylamine and Diphenylamine cannot be separated.

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	523
NAPHTHALENE-D8	IS#2	AT	SCAN:	720
ACENAPTHENE-D10	IS#3	AT	SCAN:	997
PHENANTHRENE-D10	IS#4	AT	SCAN:	1226
CHRYSENE-D12	IS#5	AT	SCAN:	1644
PERYLENE-D12	IS#6	AT	SCAN:	1929
2-FLUOROPHENOL	SS#1	AT	SCAN:	332
PHENOL-D6	SS#2	AT	SCAN:	473
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	892
TRIBROMOPHENOL	SS#5	AT	SCAN:	1120
TERPHENYL-D14	SS#6	AT	SCAN:	1477



320067J

000176

Data 40304098 TI
04/09/91 11 55 00
Sample (3103155024/1/91 H20 BN/A SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument. 4501 Weight: 0.000
'bmitted by' ITAS-PIT Analyst SAB Acct. No..

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD
3	CI50 ACENAPHTHENE-D10 INTERNAL STD
4	CI60 PHENANTHRENE-D10 INTERNAL STD
5	CI70 CHRYSENE-D12 INTERNAL STD
6	CI75 PERYLENE-Dld INTERNAL STD
7	CS50 FLUOROPHENOL !SURROGATE)
8	CS45 PHENOL-D6 (SURROGATE)
9	CS20 NITROBENZENE-D5 (SURROGATE)
10	CS25 2-FLUOROBIPHENYL (SURROGATE)
11	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
12	CS30 TERPHENYL-014
13	C320 ANILINE
14	C315 PHENOL CCC
15	C325 BIS(2-CHLOROETHYL)ETHER
16	C330 2-CHLOROPHENOL
17	C335 1,3-DICHLOROBENZENE
18	C340 1,4-DICHLOROBENZENE CCC
19	C345 BENZYL ALCOHOL
20	C350 1,2-DICHLOROBENZENE
21	C355 2-METHYLPHENOL
22	C360 BIS(2-CHLOROISOPROPYL)ETHER
23	C370 N-NITROSO-DI-N-PROPYLAMINE SPCC
24	C375 HEKACHLOROETHANE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL CCC
28	C425 2,4-DIMETHYLPHENOL
29	C430 BENZOIC ACID
30	C435 BIS(2-CHLOROETHOXY)METHANE
31	C440 2,4-DICHLOROPHENOL CCC
32	C445 1,2,4-TRICHLOROBENZENE
33	C450 NAPHTHALENE
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE CCC
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE SPCC
39	C515 2,4,6-TRICHLOROPHENOL CCC
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C535 DIMETHYL PHTHALATE
44	C540 ACENAPHTHYLENE
45	C543 2,6 OINITROTQLUENE
46	C545 3-NITROANILINE
47	C550 ACENAPHTHENE CCC

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C545 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	523	8:43	1	1.000	A BB	17569.	40.000 UG/L	4 73
2	135	720	12:00	2	1.000	A BV	62236.	40.000 UG/L	3 73
3	164	997	15 37	3	1.000	A BB	31721.	40.000 UG/L	4.75
3	188	1226	20:26	4	1.000	4 BB	43242.	40 000 UG/L	4.71
5	240	1443	27:24	5	1.000	A BB	31853	40.000 UG/L	4.75
6	264	1929	32 09	6	1.OGO	A BB	29207	40.000 UG/L	3 73
7	112	332	5 32	1	0.435	A BB	40738.	104.22.5 UG/L	12 70
8	49	473	7:53	1	0.904	A BB	30237	97.025 UG/L	11 60
3	82	611	10:11	2	0.849	A BB	31149	24.127 UG/L	2 89
10	172	892	14:52	3	0.895	A BB	53579	60.810 UG/L	7 27
11	330	1120	18:40	3	1.123	A BB	11112.	109.959 UG/L	13 13
12	244	1477	24:37	5	0.898	A BB	44434.	54.842 UG/L	6 56
13	NOT FOUND								
14	94	475	7 55	1	0.908	A BB	302.	0.295 UG/L	0.04
15	NOT FOUND								
16	128	496	8:16	1	0.948	A BB	570.	0.934 UG/L	0 10
17	146	518	8:38	1	0.390	A BV	5313.	7.936 UG/L	0 95
18	146	526	8 44	1	1.006	A VB	11790.	16.840 UG/L	2 01
19	NOT FOUND								
20	146	554	9:14	1	1.059	A BB	16212.	24.644 UG/L	2.95
21	108	567	9:27	1	1.084	A BB	2807.	4.093 UG/L	0 49
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	77	611	10:11	2	0.849	A BB	309.	0.451 UG/L	0 05
26	NOT FOUND								
27	NOT FOUND								
28	107	671	11 11	2	0.932	A BB	25215.	45.370 UG/L	5 43
29	NOT FOUND								
30	93	691	11:31	2	0.960	A BB	200.	0.225 UG/L	0 03
31	NOT FOUND								
32	NOT FOUND								
33	128	723	12:03	2	1.004	A BB	45415.	28.237 UG/L	3 38
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	142	832	13:52	2	1.156	A BB	1797.	1.782 UG/L	0 21
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NUT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	153	1001	16:41	3	1.004	A BB	1021.	1.190 UG/L	0.14
48	NOT FOUND								
49	NOT FOUND								
50	168	1027	17:07	3	1.030	A BB	859	0.701 UG/L	0 08

Data: 4030409B.TI
04/09/31 11:55:00
Sample: Q10316502 4/1/91 H20 BN/A SAB
Conds.: 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4501 **Weight:** 0 003
bmitted by: ITAS-PIT Analyst: SAB Pcct. No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from Library Entry

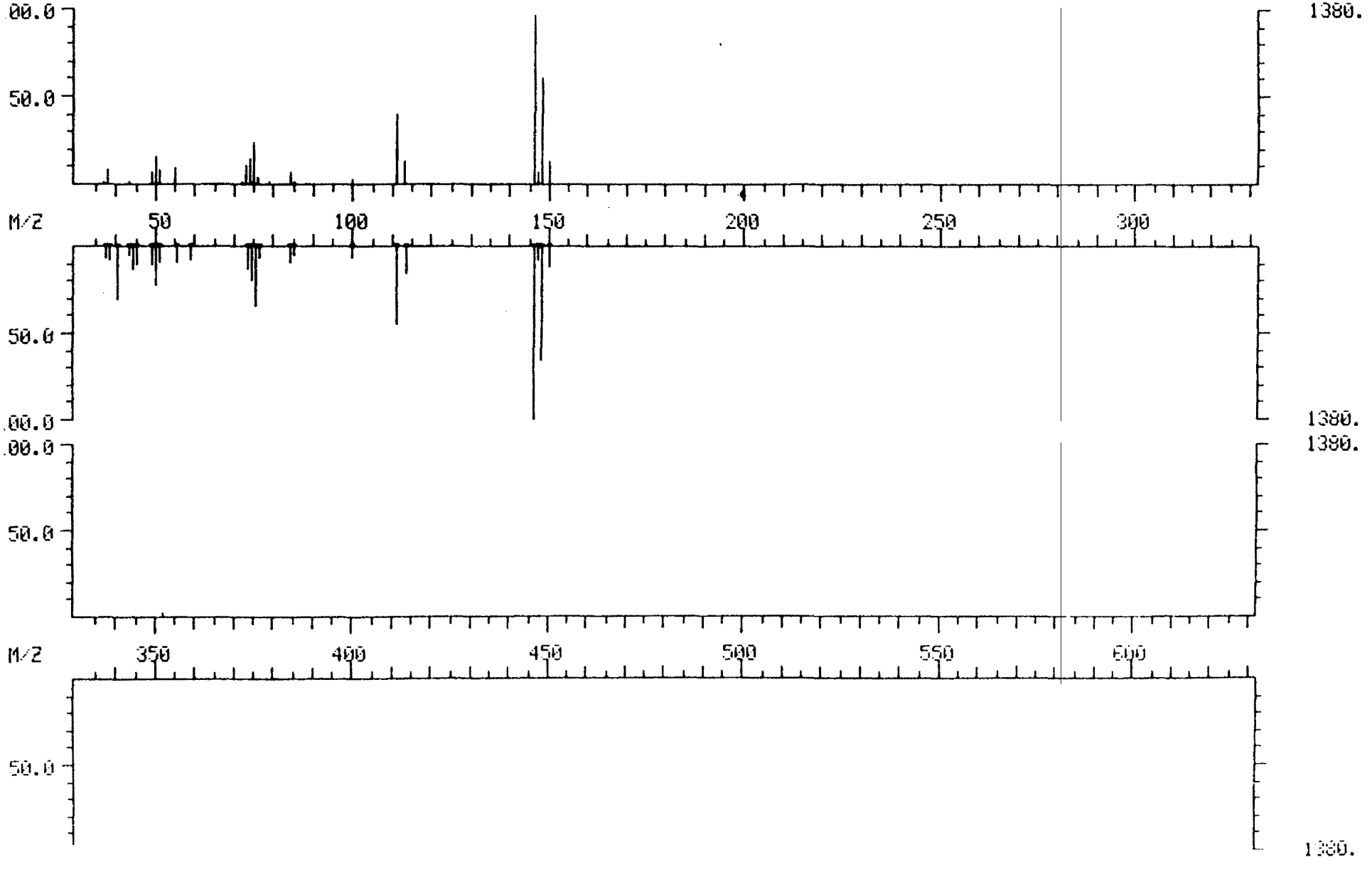
No	Name
51	C570 2,4-CINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL-PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
54	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE (DIPHENYLAMINE) CCC
58	C625 4-BROMOPHENYL-PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL CCC
61	C640 PHENANTHRENE
62	C645 ANTHRACENE
63	C650 DI-N-BUTYL PHTHALATE
64	C655 FLUORANTHENE
65	C710 BENZIDINE
66	C715 PYRENE
67	C720 BUTYLBENZYLPHTHALATE
68	C725 3,3'-DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C740 CHRYSENE
71	C745 BIS(2-ETHYLHEXYL) PHTHALATE
72	C760 DI-N-OCTYL PHTHALATE CCC
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE CCC
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZ(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
73	EP01 TOTAL 13 & 4 METHYL PHENOLS)
80	EP02 PYRIDINE
81	EP03 2,3,4,6-TETRACHLOROPHENOL
82	AP02 N-NITROSODIMETHYLAMINE
a3	AP03 N-NITROSOMETHYLETHYLAMINE
a4	AP04 2-PICOLINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	143	1069	17:49	3	1.072	A BB	274.	0.272 UG/L	0.03
53	NOT FOUND								
54	166	1080	18:00	3	1.083	A BB	727.	0.764 UG/L	0.09
55	NOT FOUND								
56	NOT FOUND								
37	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								

NO	m/z	Scan	Time	Ref	RRT	Meth	Area(Height)	Amount	
60	NOT FOUND								
61	178	1229	20 29	4	1.002	A BB	352.	0.299 UG/L	0.04
62	NOT FOUND								
63	149	1322	22 02	4	1.078	A BB	5888.	3.943 UG/L	0 47
64	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	NOT FOUND								
71	149	1648	27 28	5	1 002	A BB	536.	0 611 UG/L	0 07
72	149	1756	29 15	6	0.910	A BB	195.	0.151 UG/L	0 02
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
74	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	108	567	9:27	1	1.084	A BB	2607.	4.t43 UG/L	0 5s
80	NOT FOUND								
81	NOT FOUND								
82	NOT FOUND								
83	NUT FOUND								
a4	NOT FOUND								

DUAL MASS SPECTRUM
04/09/91 11:55:00 + 8:38
SAMPLE: Q10316502 4/1/91 H20 BN/A SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

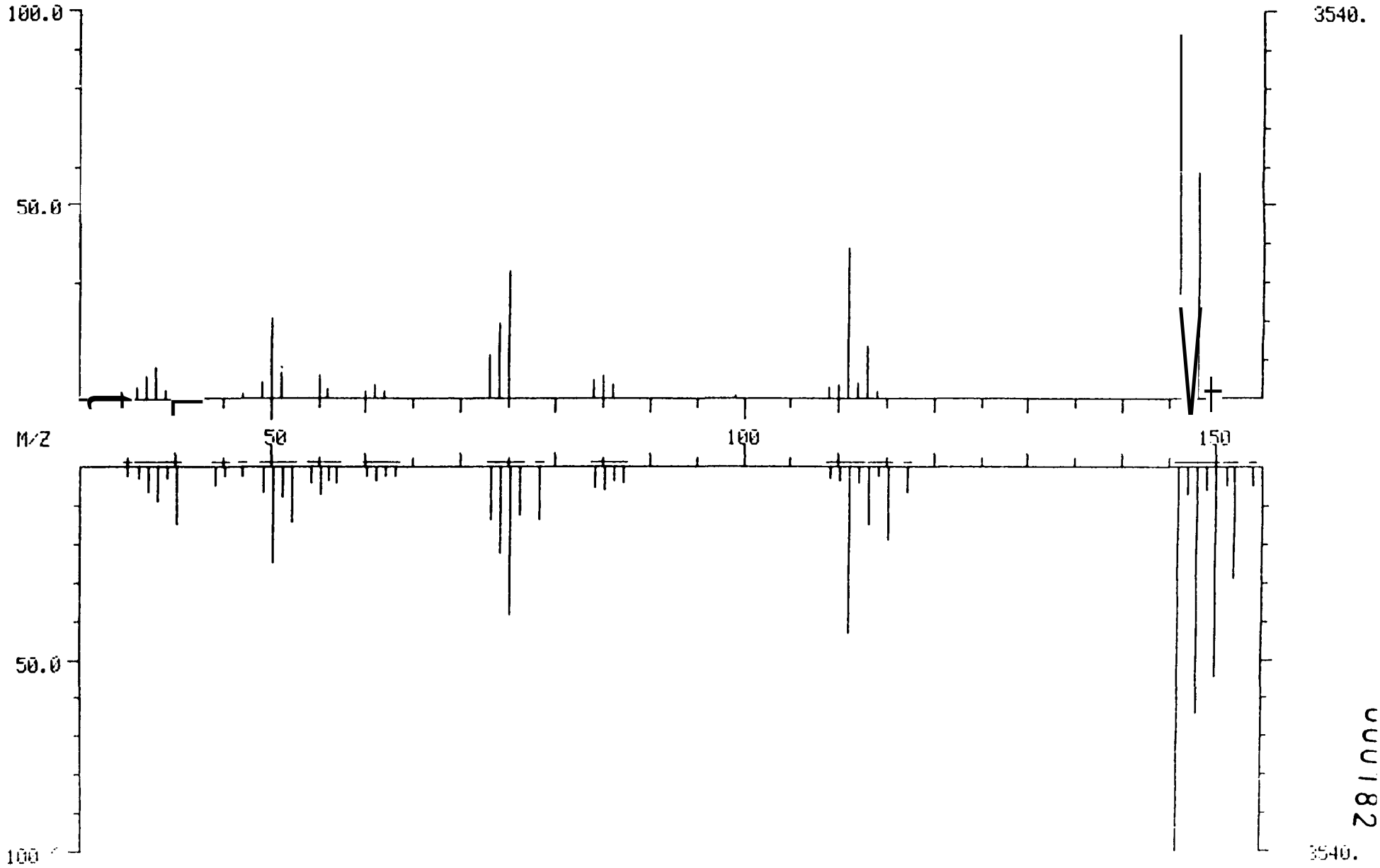
DATA: 4030409B #518 BASE M/Z: 146/ 146
CALI: 4030409B #2 RIC: 4815./ 6559.



DUAL MASS SPECTRUM
04/09/91 11:55:00 + 8:46
SAMPLE: 010316502 4/1/91 H20 BN/A SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

DATA: 4030409B #526
CALI: 4030409B #2

BASE M/Z: 146/ 146
RIC: 13471./ 21855.



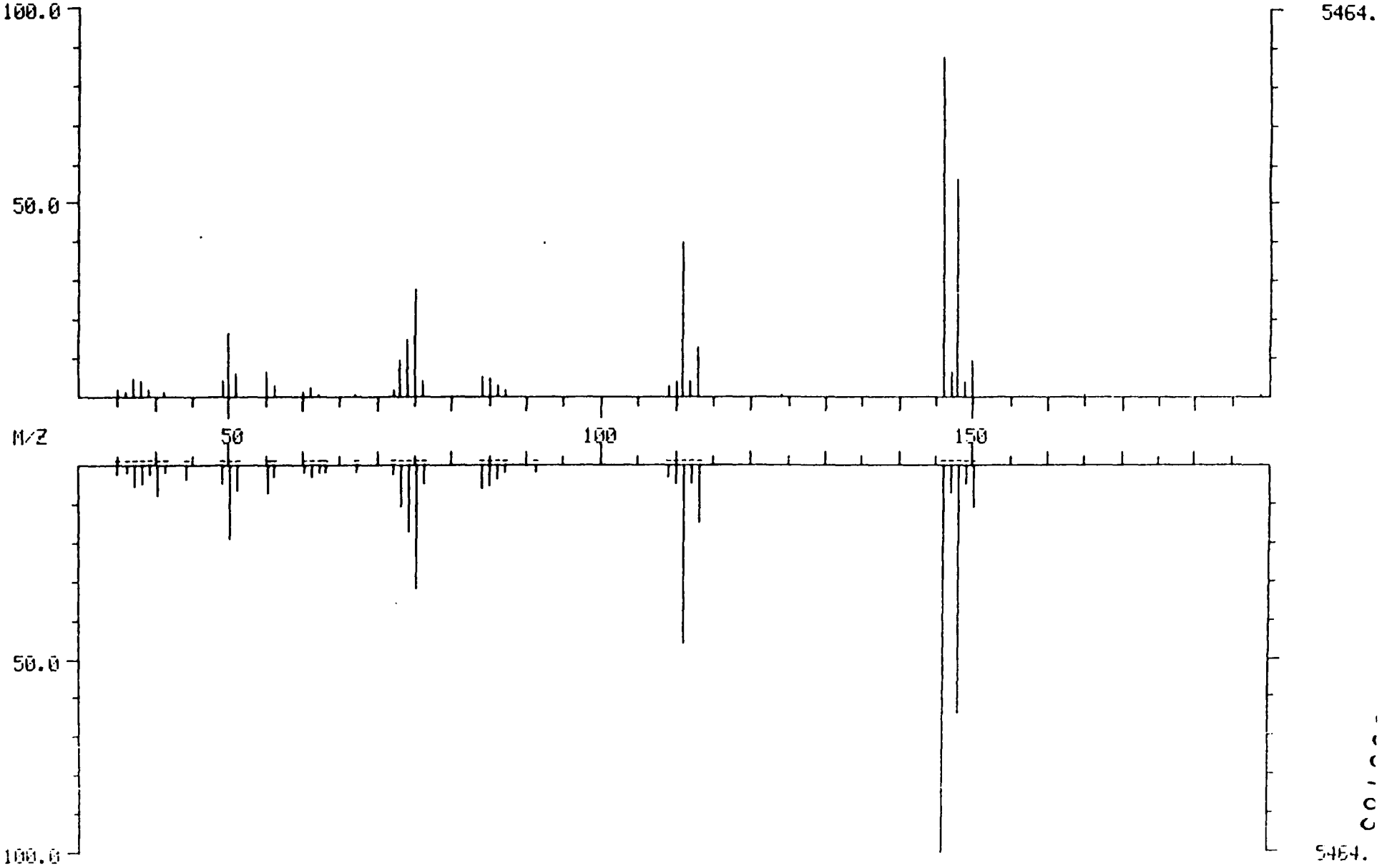
3200673

000182

DUAL MASS SPECTRUM
04/09/91 11:55:00 + 9:14
SAMPLE: Q10316502 4/1/91 H20 BN/A SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

DATA: 4030409B #554
CALI: 4030409B #2

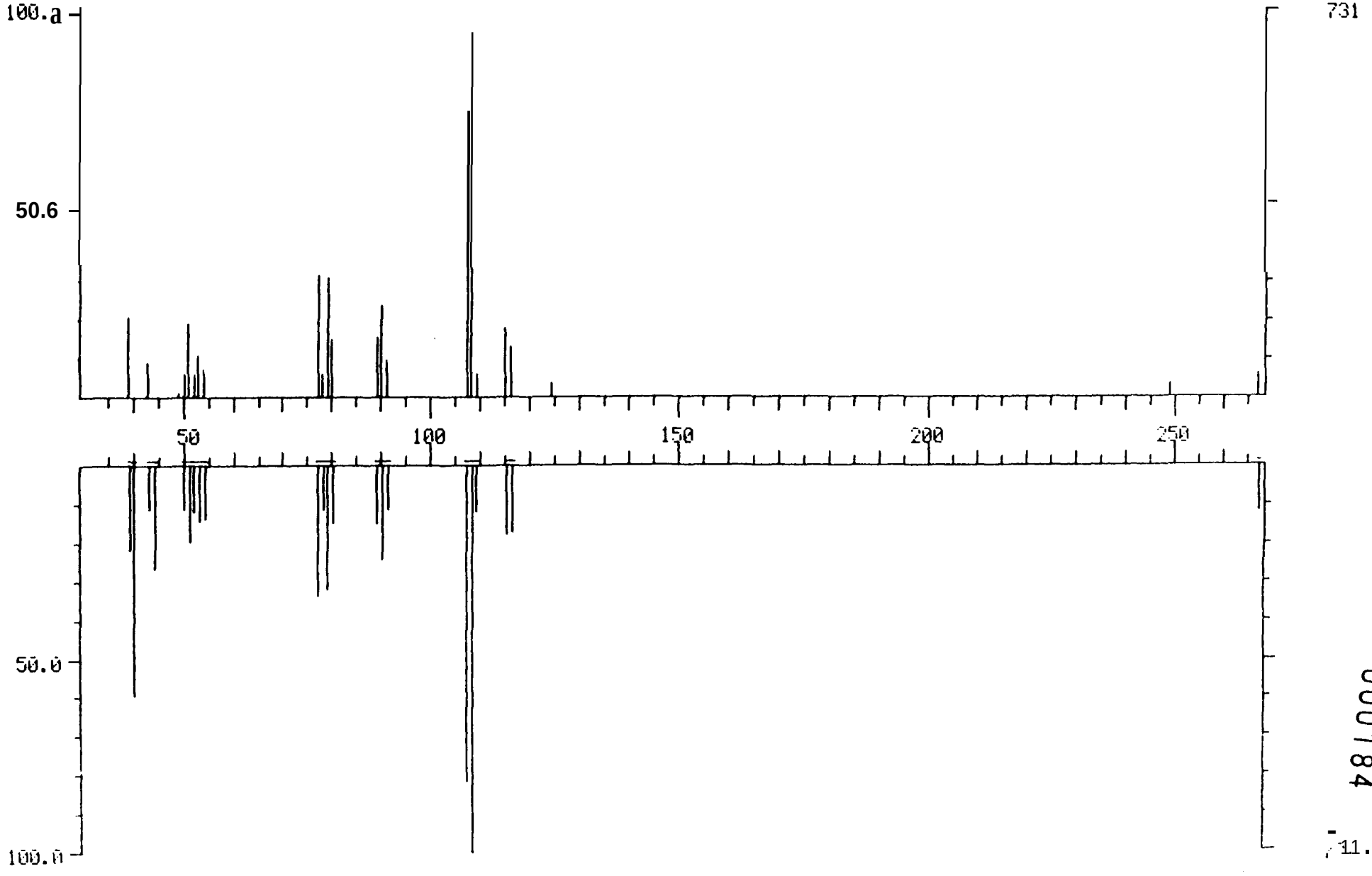
BASE M/Z: 146/ 146
RIC: 13583./ 23167.



DUAL MASS SPECTRUM
04/09/91 11:55:00 + 9:27
SAMPLE: Q10316502 4/1/91 H20 BN/A SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

DATA: 4030409B #567
CALI: 4030409B #2

BASE M/Z: 108/ 108
RIC: 3131./ 4183.

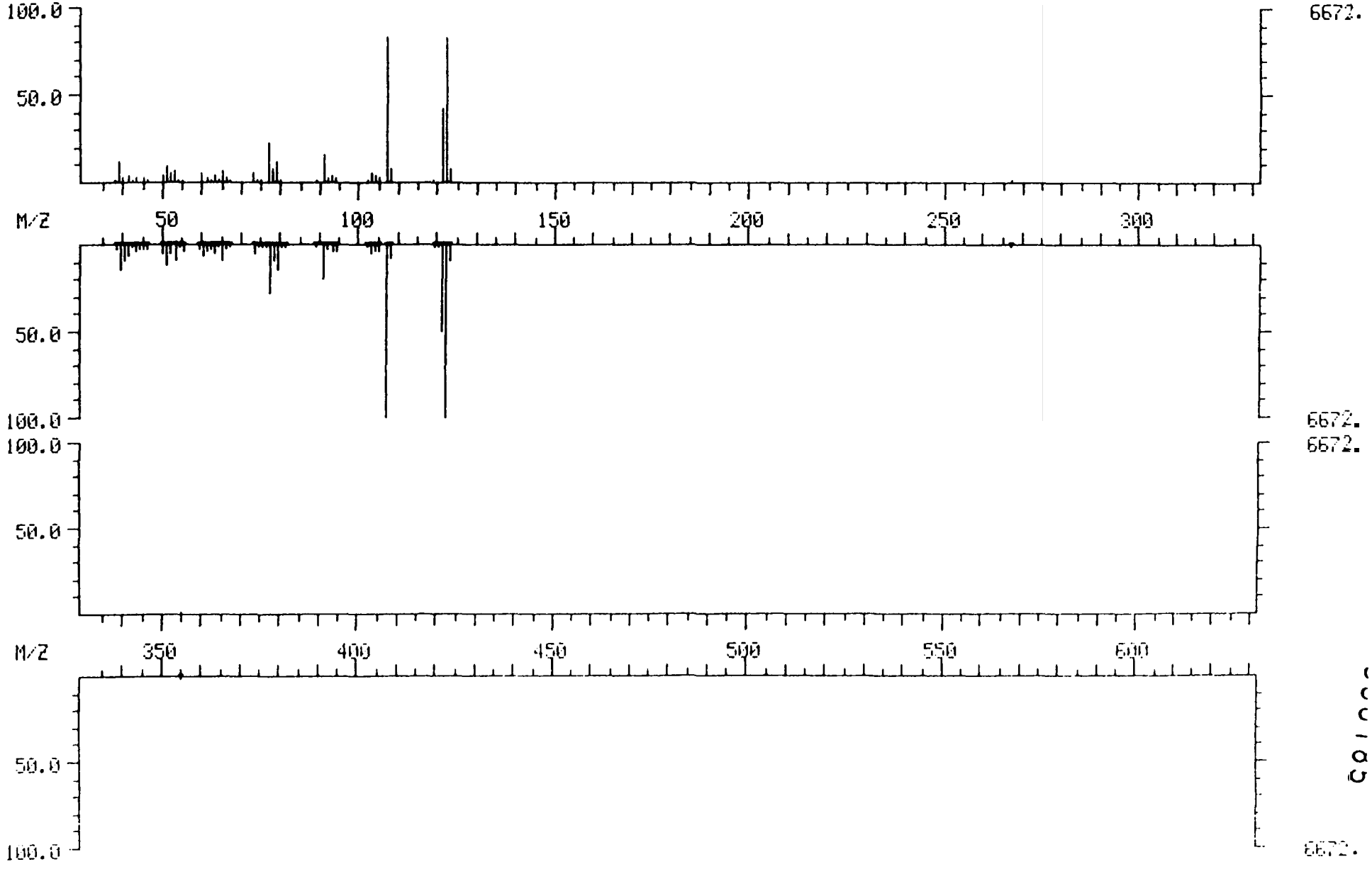


3200673

0001184

DUAL MASS SPECTRUM
04/09/91 11:55:00 + 11:11
SAMPLE: 010316502 4/1/91 H20 BN/A SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

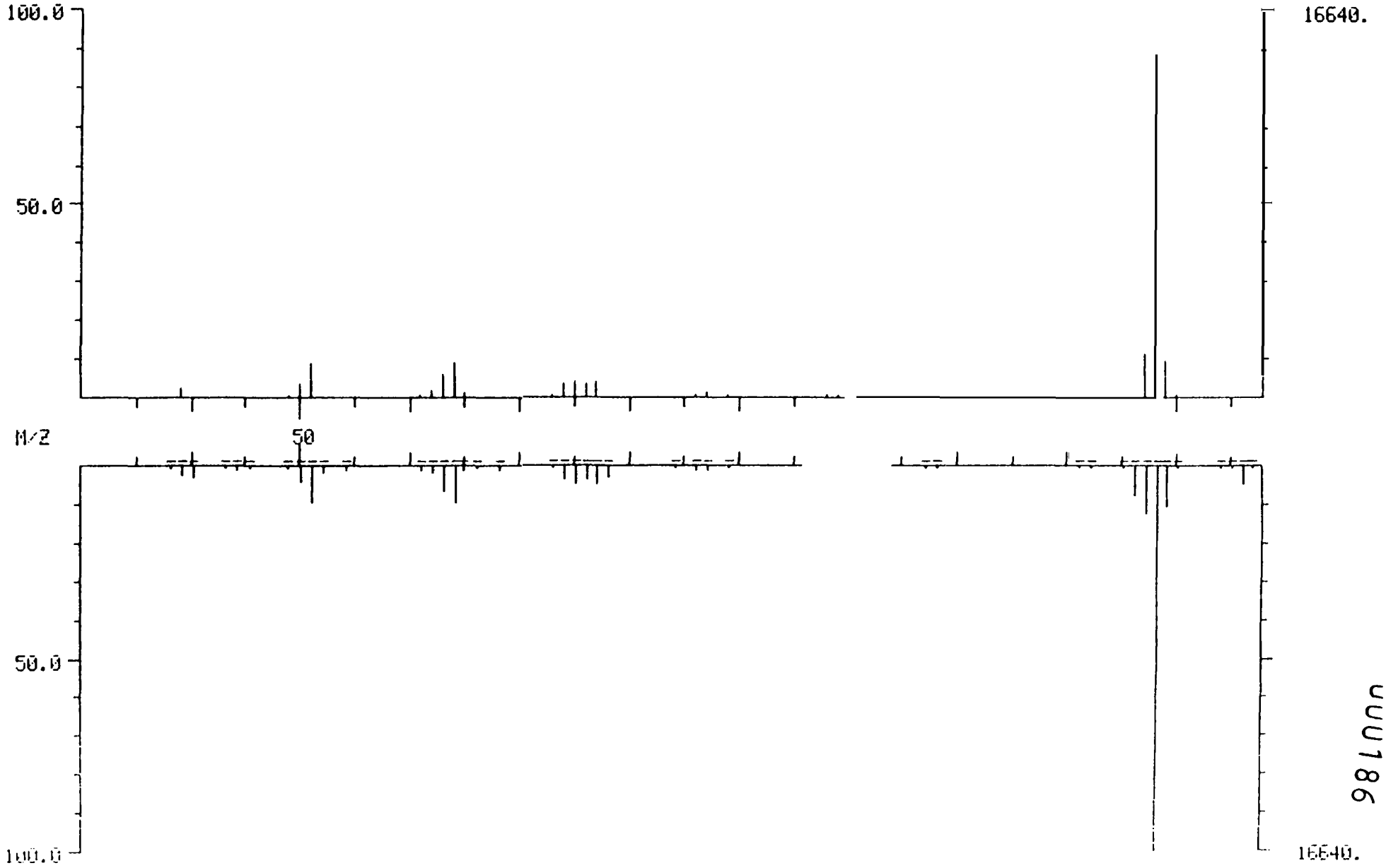
DATA: 4030409B #671 BAS M/Z: 122/ 107
CALI: 4030409B #2 RIC: 26911./ 33471.



DUAL MASS SPECTRUM
04/09/91 11:55:00 + 12:03
SAMPLE: Q10316502 4/1/91 H20 BN/A SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

DATA: 4030409B #723
CALI: 4030409B #2

BASE M/Z: 128/ 128
RIC: 30591./ 37823.

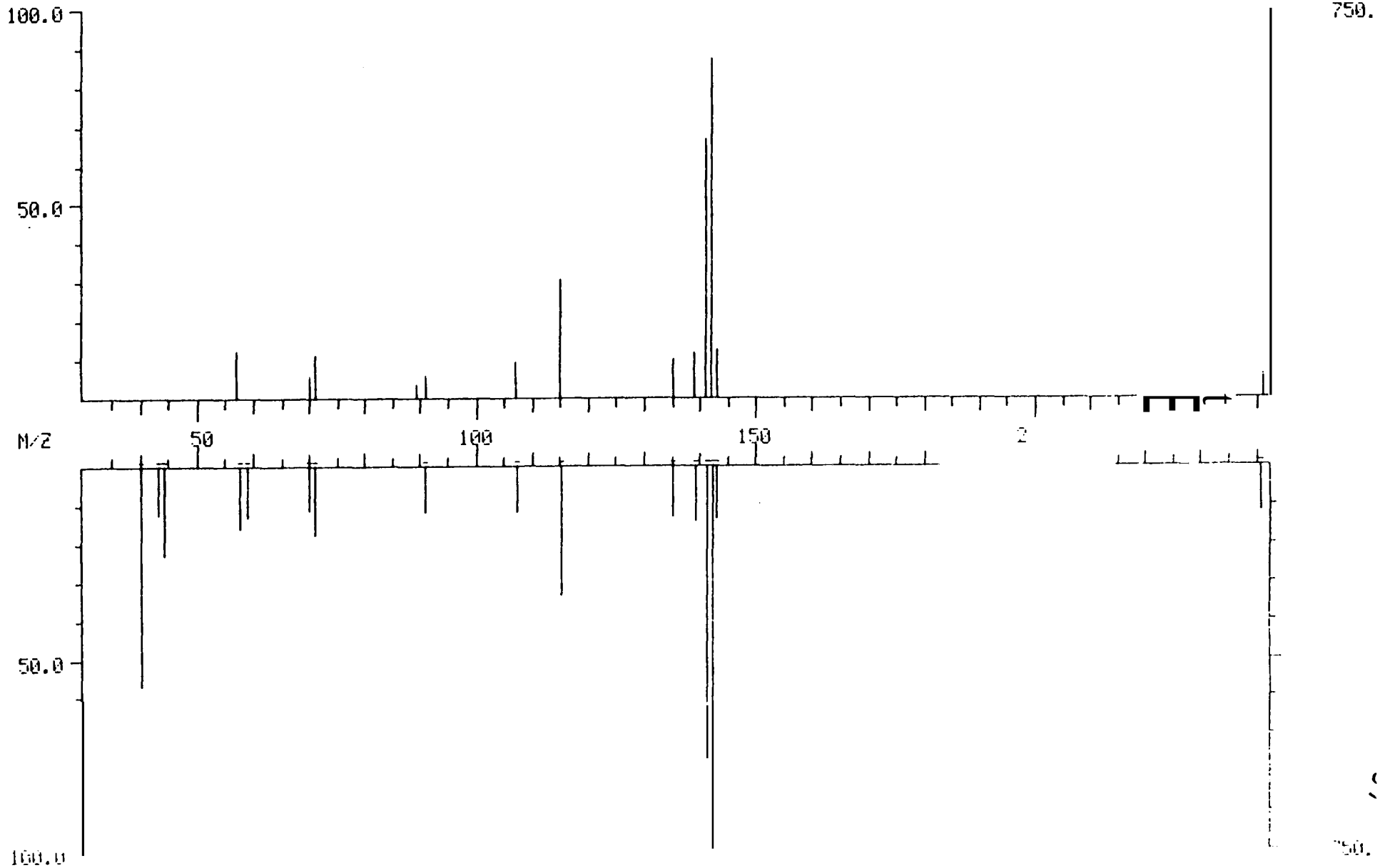


320060
000186

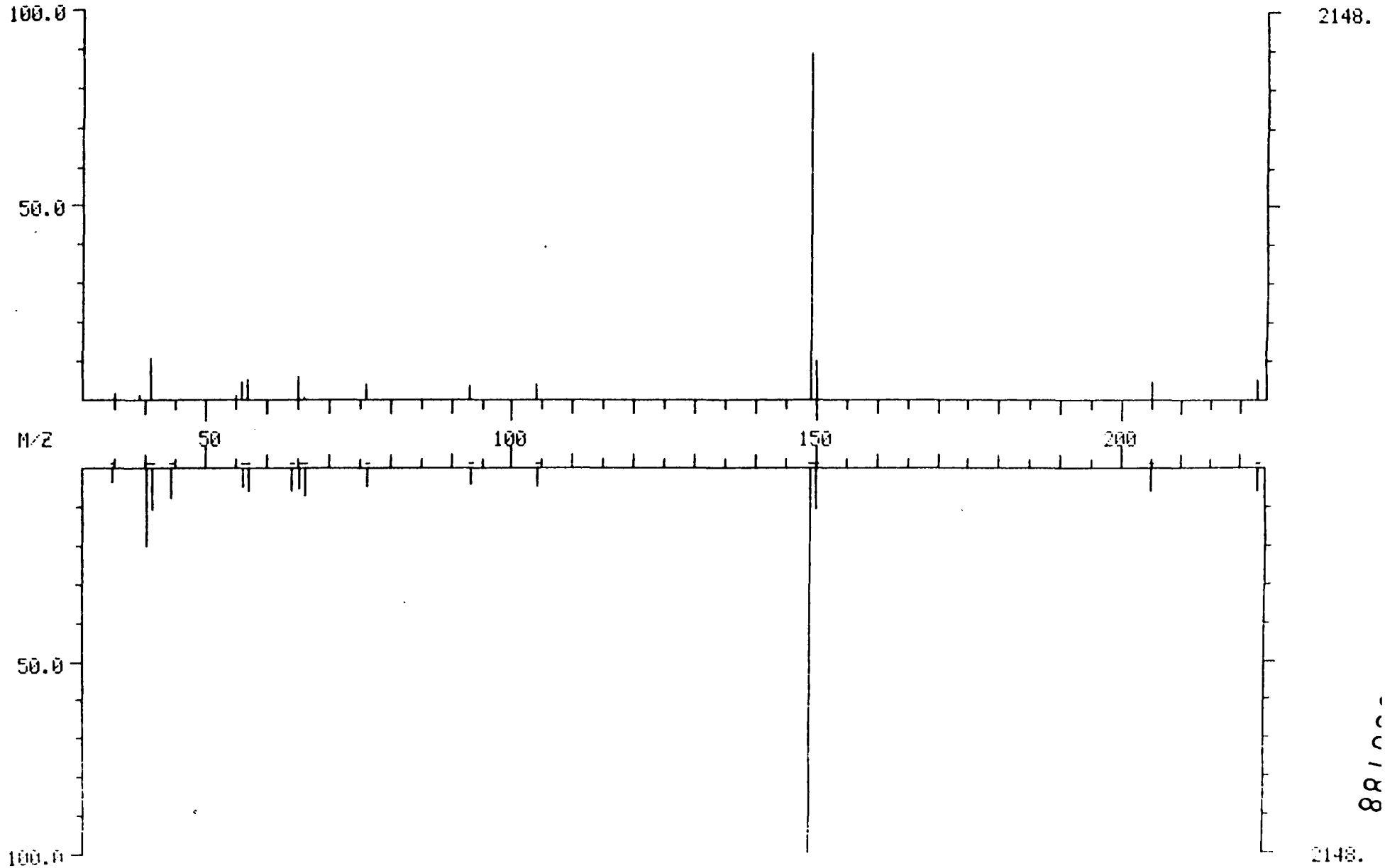
DUAL MASS SPECTRUM
04/09/91 11:55:00 + 13:52
SAMPLE: Q10316502 4/1/91 H20 BN/A SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

DATA: 4030409B #832
CALI: 4030409B #2

BASE M/Z: 142/ 142
RIC: 2047./ 3267.



DUAL MASS SPECTRUM
04/09/91 11:55:00 + 22:02
SAMPLE: Q10316502 4/1/91 H20 BN/A SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

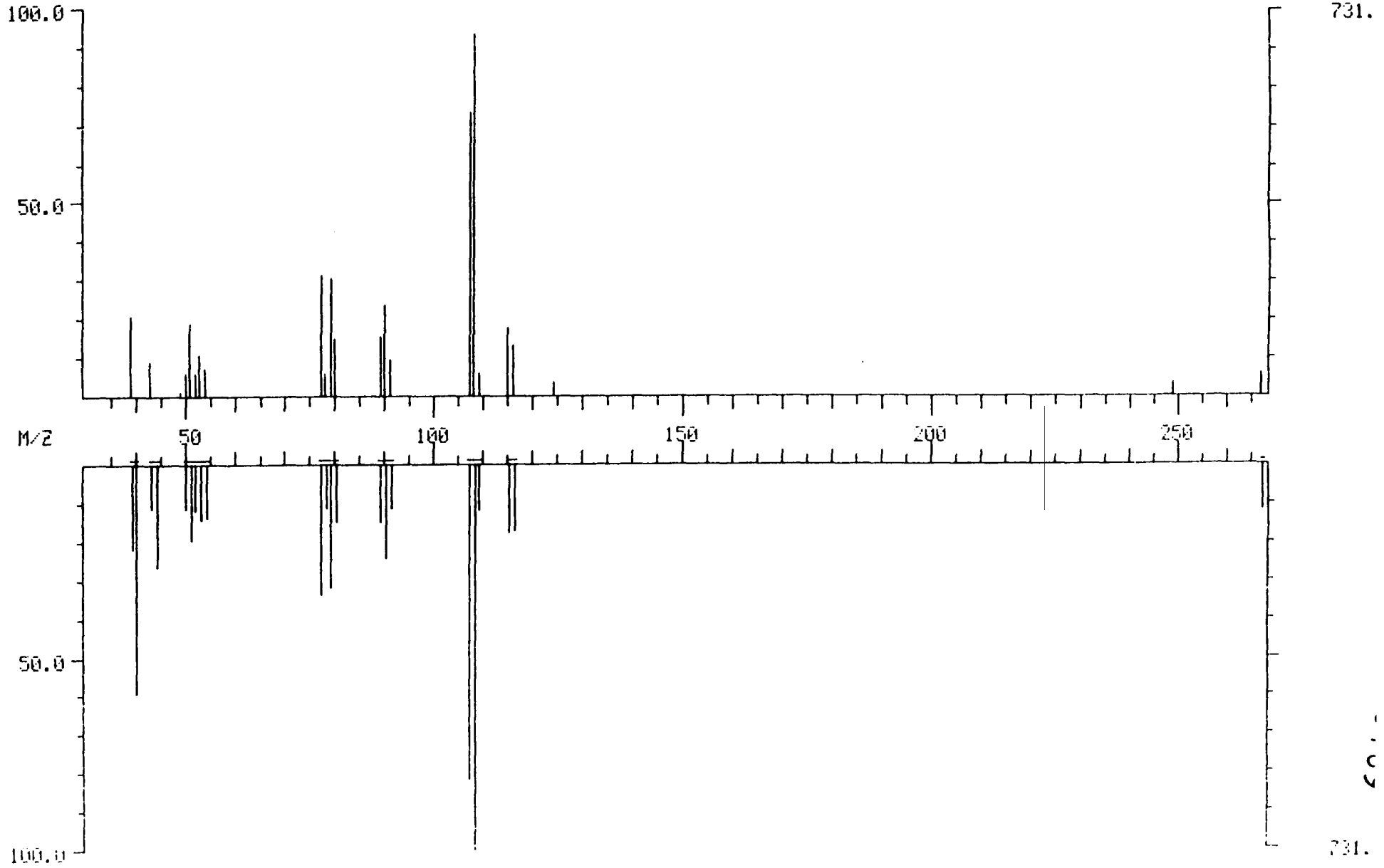


320068 1

DUAL MASS SPECTRUM
04/09/91 11:55:00 + 9:27
SAMPLE: 010316502 4/1/91 H20 BN/A SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

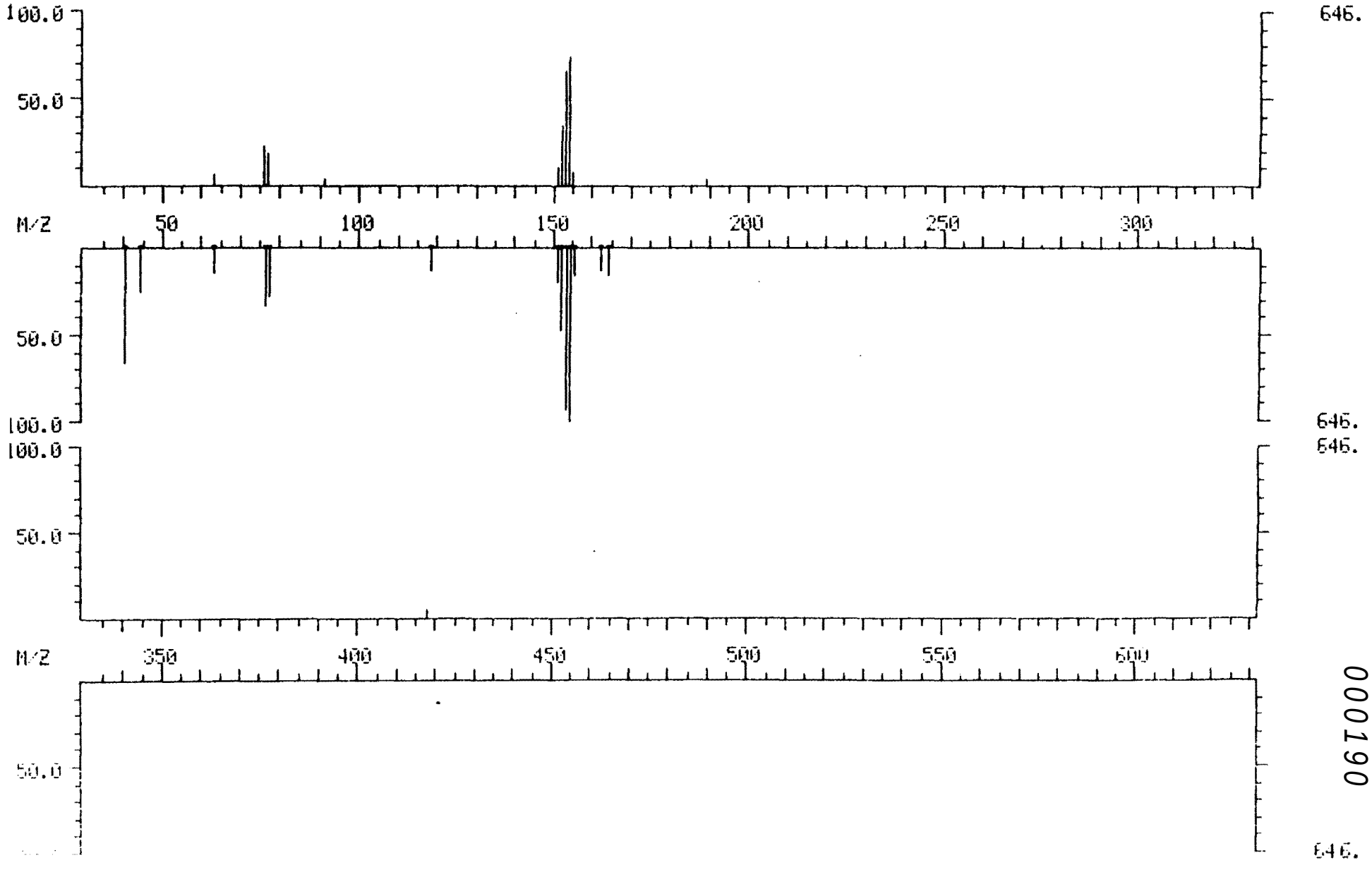
DATA: 4030409B #567
CALI: 4030409B #2

BASE M/Z: 108/ 108
RIC: 3131./ 4183.



DUAL MASS SPECTRUM
04/09/91 11:55:00 + 16:41
SAMPLE: 010316502 4/1/91 H20 BN/A SAB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

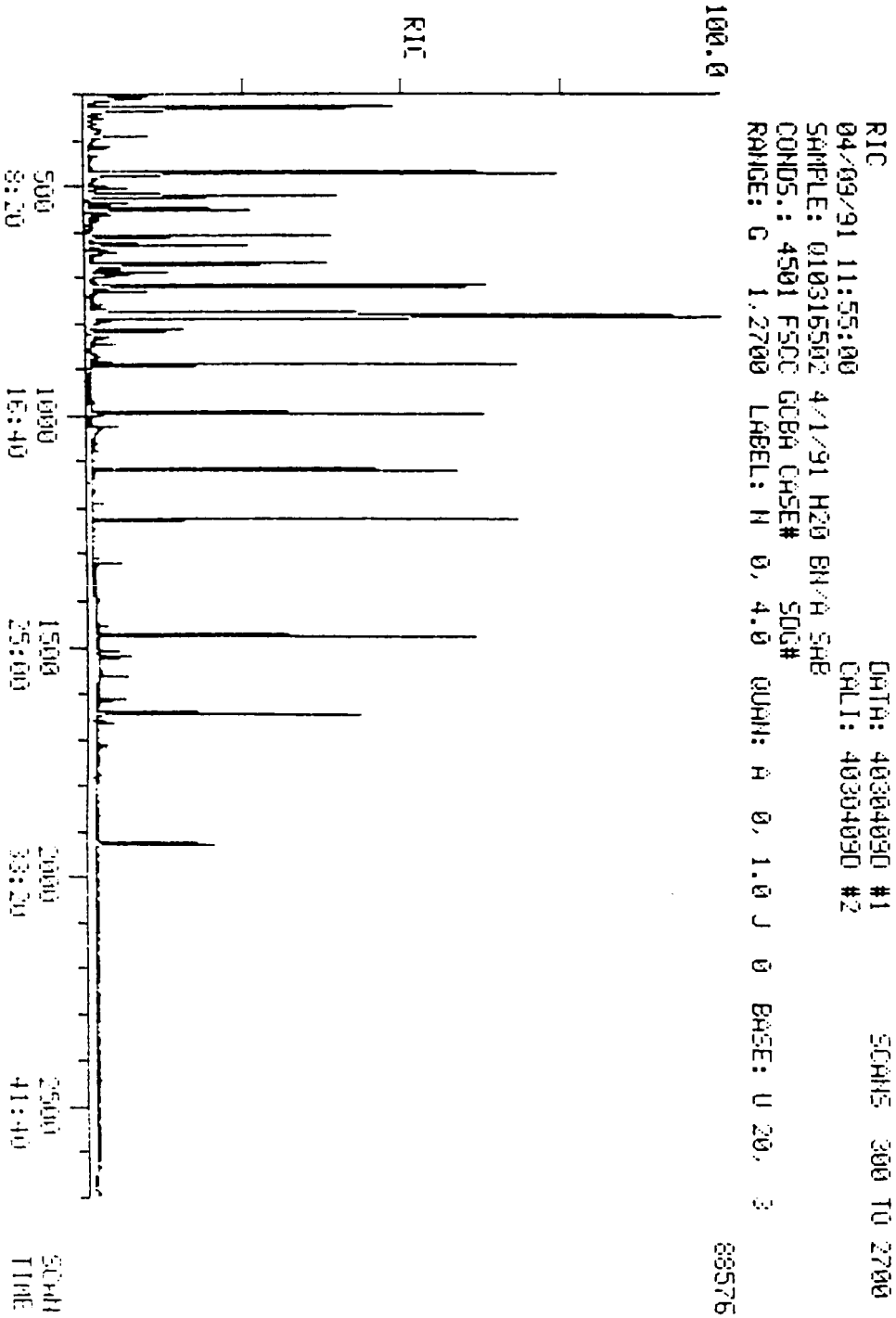
DATA: 1030409B #1001 BASE M/Z: 154/ 154
CALI: 4030409B #2 RIC: 1637./ 3119.



3200682

000190

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	523
NAPHTHALENE-D8	IS#2	AT	SCAN.	720
ACENAPTHENE-D10	IS#3	AT	SCAN:	997
PHENANTHRENE-D10	IS#4	AT	SCAN:	1226
CHRYSENE-D12	IS#5	AT	SCAN:	1644
PERYLENE-D12	IS#6	AT	SCAN:	1929
2-FLUOFOPHENOL	SS#1	AT	SCAN:	0
PHENOL-DL	SS#2	AT	SCAN:	0
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	0
TRIBROMOPHENOL	SS#5	AT	SCAN:	0
TERPHENYL-D14	SS#6	AT	SCAN:	0



Quantitation Report File: 4030409D

Data: 4030409D.TI
04/09/91 11:55:00
Sample: Q10316502 4/1/91 H2O BN/A SAB
Conds 4501 FSCC GCBA CAS#: SDG#
Formula 10L -10UL INT Instrument: 4501 Weight: 0.000
Submitted by: CAS-PIT Analyst: SAB Acct. No

AMOUNT=(AREA * REF AMNT)/(REF AREA * RESP FACT)
Resp Fac From Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
6	CI75 PERYLENE-D12 INTERNAL STD.
7	AP05 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHION
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	Mz	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	172	323	8 43	1	1.000	A BB	17569.	40.000 UG/L	16.57
2	126	720	12 00	2	1 000	A BV	62236	40.000 UG/L	16.57
3	164	897	16 37	3	1 000	A BB	31731	40.OGO UG/L	16.57
4	185	1236	20 26	4	1 000	A BB	43232.	40.000 UG/L	16.57
5	240	1614	27.24	5	1 000	A BB	31853	40.GOO UG/L	16.57
6	264	1929	32:09	6	1 000	A BB	29207.	40.GOO UG/L	16.57
7	NOT FOUND								
8	42	385	6:05	1	0.678	A BB	330	0.989 UG/L	0.41
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	108	590	9 50	1	1.125	A BB	377.	0.395 UG/L	0.16
15	106	594	9.54	1	1 136	A BB	280	0.309 UG/L	0.13
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Quantitation Report File 4030409D

Data: 4030409D.TI
04/09/91 11:55:00
Sample Q10316502 4/1/91 H2O BN/A SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula: 10L +10UL INT Instrument: 4501 Weight: 0 000
Submitted by ITAS-PIT Analyst: SAB Acct. No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp Fac From Library Entry

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								

H

UUU195

Laboratory Name: IT PITTSBURGH
Lab Sample ID: 010316503
Client Sample ID: P32WF802

Concentration: LOW
Sample Matrix: WATER
Percent Moisture: _____

Date Extracted: 04/01/91
Date Analyzed: 04/05/91
Dilution Factor: _____

APPENDIX IX SEMIVOLATILE COMPOUNDS

CAS Number		ug/L	
	N-NITROSODIMETHYLAMINE . .	10	U
	N-NITROSOMETHYLETHYLAMINE	20	U
	2-PICOLINE	20	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether .	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene . . .	10	U
106-46-7	1,4-Dichlorobenzene . . .	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene . . .	10	U
108-60-1	bis(2-Chloroisopropyl)Ether	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene . .	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene . . .	10	U
59-50-7	4-Chloro-3-Methylphenol .	10	U
91-57-6	2-Methylnaphthalene . . .	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol . .	10	U
95-95-4	2,4,5-Trichlorophenol . .	50	U
91-58-7	2-Chloronaphthalene . . .	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U

CAS Number		ug/L	
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate . . .	[illegible]	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate . . .	10	U
91-94-1	3,3'-Dichlorobenzidine . .	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate . . .	10	U
205-99-2	Benzo(b)Fluoranthene . . .	10	U
207-08-9	Benzo(k)Fluoranthene . . .	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene . .	10	U
53-70-3	Dibenz(a,h)Anthracene . .	10	U
191-24-2	Benzo(g,h,i)Perylene . . .	10	U
	TOTAL METHYLPHENOL	10	U
110-86-1	PYRIDINE	20	U
	2,3,4,6-TETRACHLOROPHENOL	20	U

Laboratory Name: IT PITTSBURGH
Lab Sample ID: 010316503
Client Sample ID: P33WF802

Concentration: LOW
Sample Matrix: WATER
Percent Moisture: _____

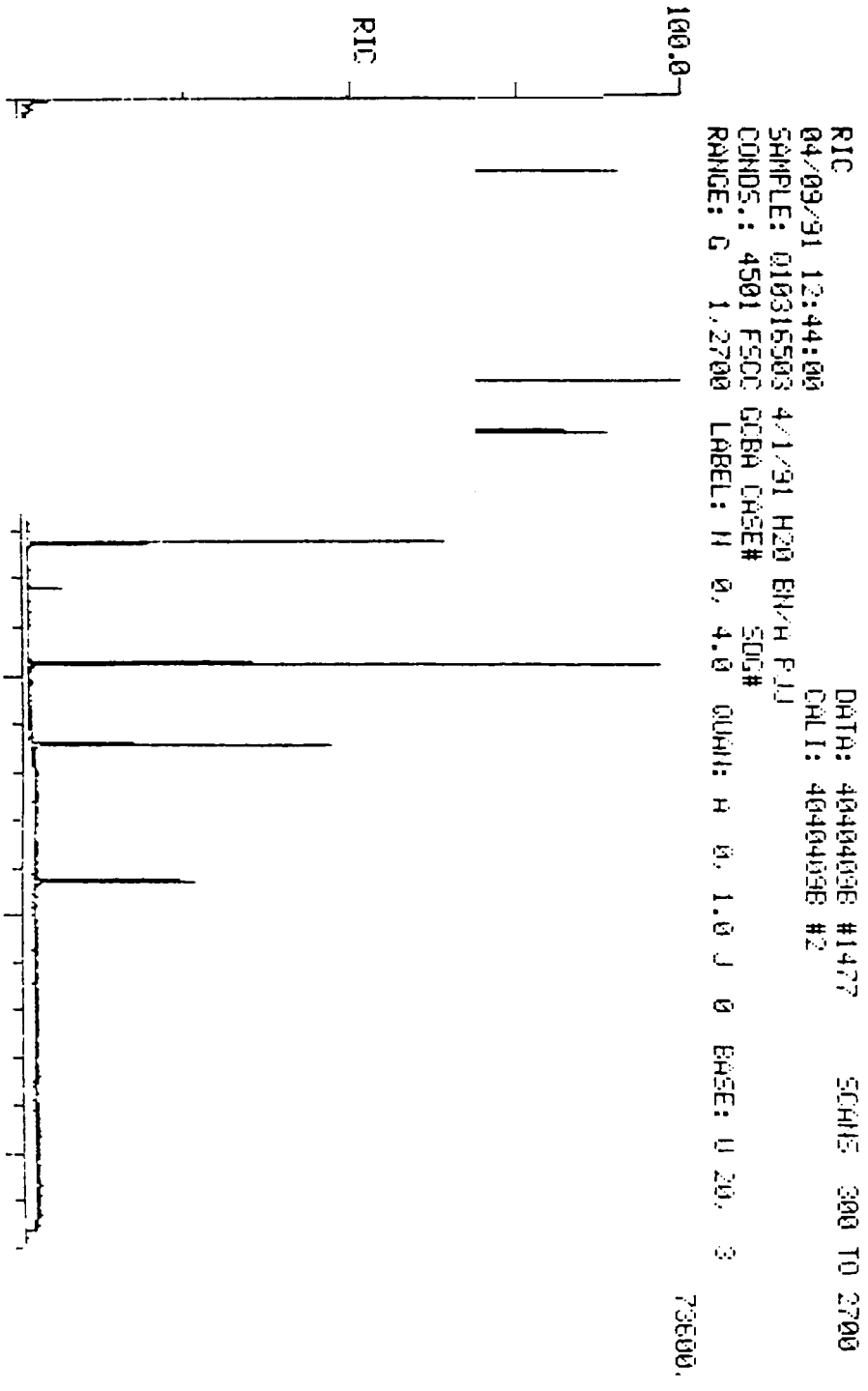
Date Extracted: 04/01/91
Date Analyzed: 04/09/91
Dilution Factor: 1.0

APPENDIX IX SEMIVOLATILE COMPOUNDS

CAS Number		ug/L		CAS Number	
	METHYL METHANESULFONATE .	20	U		
	N-NITROSODIETHYLAMINE . .	10	U		
	ETHYLMETHANESULFONATE . .	10	U		
	PENTACHLOROETHANE	10	U		
	N-NITROSOPYRROLIDINE . . .	10	U		
	ACETOPHENONE	10	U		
	N-NITROSOMORPHOLINE . . .	10	U		
	P-PHENYLENEDIAMINE	10	U		
	O-TOLUIDINE	10	U		
	N-NITROSOPIPERIDINE . . .	10	U		
	ALPHA,ALPHA-DIMETHYLPHENETH	20	U		
	2,6-DICHLOROPHENOL	10	U		
	HEXACHLOROPROPENE	10	U		
	N-NITROSODI-N-BUTYLAMINE .	10	U		
	SAFROLE	10	U		
	1,2,4,5-TETRACHLOROBENZENE	10	U		
	ISOSAFROLE	10	U		
	M-DINITROBENZENE	10	U		
	PENTACHLOROBENZENE	10	U		
	1-NAPHTHYLAMINE	50	U		
	2-NAPHTHYLAMINE	50	U		
	5-NITRO-O-TOLUIDINE . . .	10	U		
	DIPHENYLAMINE	10	U		
	SYM-TRINITROBENZENE . . .	10	U		
	PHENACETIN	10	U		
	4-AMINOBIPHENYL	50	U		
	PRONAMIDE	10	U		
	PENTACHLORONITROBENZENE .	50	U		
	4-NITROQUINOLINE-1-OXIDE .	50	U		
	METHAPYRILENE	10	U		
	ISODRIN	10	U		
	ARAMITE	20	U		
	P-DIMETHLAMINOAZOBENZENE .	10	U		
	3,3-DIMETHYLBENZIDINE . .	20	U		
	KEPONE	300	U		
	2-ACETYLAMINOFLUORENE . .	10	U		
	7,12-DIMETHYLBENZ(A)ANTHRAC	10	U		
	3-METHYLCHOLANTHRENE . . .	10	U		
	DINOSEB	50	U		
	1,4-NAPHTHOQUINONE	50	U		
	HEXACHLOROPHENE	300	U		

(1) N-nitrosodiphenylamine and Diphenylamine cannot be separated .

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN	***509***
NAPHTHALENE-DE	IS#2	AT	SCAN	**715**
ACENAPTHENE-D10	IS#3	AT	SCAN	***996***
PHENANTHRENE-D10	IS#4	AT	SCAN	***1226***
CHEYSENE-D12	IS#5	AT	SCAN	**1644**
PEEYLENE-D12	IS#6	AT	SCAN	1929
2-FLUOROPHENOL	SS#1	AT	SCAN	***296***
PHENOL-DG	SS#2	AT	SCAN	**455**
NITROBENZENE	SS#3	AT	SCAN	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN	***890***
TRIBROMOPHENOL	SS#5	AT	SCAN	1120
TERFHENYL-DI3	SS#6	AT	SCAN	1477



Datd: 40404098. TI
04/09/91 12: 44:00
Sample. Q10316503 4/1/91 H20 BN/A PJJ
Conds.· 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4501 Weight. 0 000
Submitted by' ITAS-PIT Analyst: PJJ Acct. No..

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT!
Resp fac from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD
2	CI40 NAPHTHALENE-D8 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	C160 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
6	CI75 PERYLENE-D12 INTERNAL STD.
7	CS50 FLUOROPHENOL (SURROGATE)
8	CS45 PHENOL-D6 (SURROGATE)
9	CS20 NITROBENZENE-E5 (SURROGATE)
10	CS25 2-FLUOROBIPHENYL (SURROGATE)
11	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
12	CS30 TERPHENYL-D14
13	C320 ANILINE
14	C315 PHENOL CCC
15	C325 BIS(2-CHLOROETHYL)ETHER
14	C330 2-CHLOROPHENOL
17	C335 1,3-DICHLOROBENZENE
10	C340 1,3-DICHLOROBENZENE CCC
19	C345 BENZYL ALCOHOL
20	C350 1,2-DICHLOROBENZENE
21	C355 2-METHYLPHENOL
22	C360 BIS(2-CHLOROISOPROPYL)ETHER
23	C370 N-NITROSO-DI-N-PROPYLAMINE SPCC
24	C375 HEXACHLUROETHANE
25	C410 NITROBENZENE
26	C415 ISOPHURONE
27	C420 2-NITROPHENOL CCC
28	C425 2,4-DIMETHYLPHENOL
29	C430 BENZOIC ACID
30	C435 BIS(2-CHLOROETHOXY)METHANE
31	C440 2,4-DICHLOROPHENOL CCC
32	C445 1,2,4-TRICHLOROBENZENE
33	C450 NAPHTHALENE
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROBUTADIENE CCC
36	C465 4-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE SPCC
39	C515 2,4,6-TRICHLOROPHENOL CCC
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C535 DIMETHYL PHTHALATE
44	C540 ACENAPHTHYLENE
4S	C543 2,6 DINITROTOLUENE
46	C545 3-NITROANILINE
47	C550 ACENAPHTHENE CCC

UU0799

No	Name
43	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	509	8:29	1	1.000	A BB	18468	40.000 UG/L	5.86
2	136	715	11:55	2	1.000	A BV	65035.	40.000 UG/L	5.86
3	164	996	16:36	3	1.000	A BB	31916	40.000 UG/L	5.86
4	188	1226	20:26	3	1.000	A BB	35347.	40.000 UG/L	5.86
5	240	1544	27:24	5	1.000	A BB	27598.	40.000 UG/L	5.86
5	264	1929	32:09	5	1.000	A CB	25364	40.000 UG/L	5.86
7	112	296	3:56	1	0.582	A BB	57447.	95.564 UG/L	14.00
8	99	455	7:35	1	0.894	A BB	84702.	86.641 UG/L	12.69
9	82	602	10:02	2	0.842	A BB	34487.	25.562 UG/L	3.73
10	21	890	14:50	3	0.894	A BB	52669	59.431 UG/L	8.71
11	330	1120	18:40	3	1.124	A BB	9867.	97.073 UG/L	14.22
12	244	1477	24:37	5	0.898	A CB	52154.	74.295 UG/L	10.89
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
13	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NUT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	128	719	11:59	2	1.006	A BB	367.	0.218 UG/L	0.03
34	NOT FOUND								
35	NOT FOUND								
34	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
44	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

000200

Data: 4040409B.TI
04/09/91 12:44:00
Sample: G10316503 4/1/91 H20 BN/A PJJ
Conds.: 4501 FSCC GCBA CASE# SDG#
Formula: 1UL +10UL INT Instrument: 4501 Neight: 0 000
Submitted by: ITAS-PIT Analyst: PJJ Acct. No.

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from Library Entry

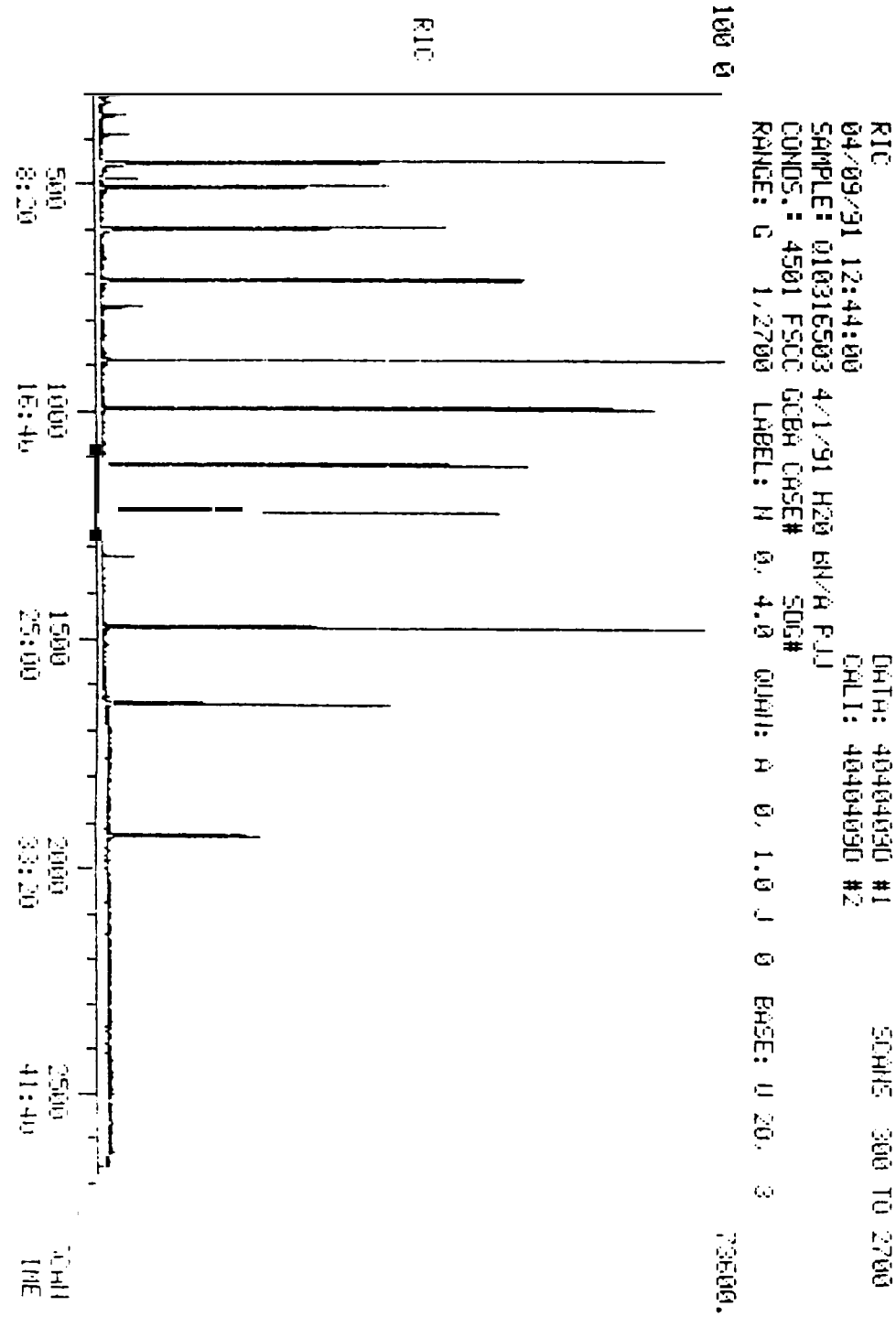
No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL-PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
54	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITPOSODIPHENYLAMINE (DIPHENYLAMINE) CCC
58	C625 4-BROMOPHENYL-PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL CCC
61	C640 PHENANTHRENE
42	C645 ANTHRACENE
63	C650 DI-N-BUTYL PHTHALATE
64	C655 FLUORANTHENE
65	C710 BENZIDINE
4ei	C715 PYRENE
67	c720 BUTYLBENZYLPHTHALATE
68	C725 3,3'-DICHLOROBENZIDINE
49	C730 BENZO(A)ANTHRACENE
70	C740 CHRY'SENE
71	C745 BIS(2-ETHYLHEXYL) PHTHALATE
72	C760 DI-N-OCTYL PHTHALATE CCC
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C77.5 BENZO(A)PYRENE CCC
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZ(A,H)ANTHRACENE
73	C790 BENZO(G,H,I)PERYLENE
79	EP01 TOTAL (3 & 4 METHYL PHENOLS)
e0	EP02 PYRIDINE
81	EP03 2,3,416-TETRACHLOROPHENOL
82	AP02 N-NITROSODIMETHYLAMINE
83	AP03 N-NITROSOMETHYLETHYLAMINE
84	AP04 2-PICOLINE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NUT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NUT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								

3200687

60	NOT FOUND									
61	NOT FOUND									
62	NOT FOUND									
63	149	1322	22:02	4	1.078	A	BB	5269	3.361 UG/L	0.49
64	NOT FOUND									
65	NOT FOUND									
66	NOT FOUND									
67	NOT FOUND									
68	NOT FOUND									
69	228	1641	27:21	5	0.998	A	BB	171	0.201 UG/L	0.03
70	NOT FOUND									
71	149	1648	27:28	5	1.002	A	BB	247	0.325 UG/L	0.03
72	NOT FOUND									
73	NOT FOUND									
74	NOT FOUND									
75	NOT FOUND									
76	NOT FOUND									
77	NOT FOUND									
78	NOT FOUND									
79	NOT FOUND									
80	NOT FOUND									
81	NOT FOUND									
82	NOT FOUND									
83	NOT FOUND									
84	NOT FOUND									

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN:	509
NAPHTHALENE-D8	IS#2	AT	SCAN:	715
ACENAPTHENE-D10	IS#3	AT	SCAN:	996
PHENANTHRENE-D10	IS#4	AT	SCAN:	1226
CHRYSENE-D12	IS#5	AT	SCAN:	1644
PERYLENE-D12	IS#6	AT	SCAN:	1929
2-FLUOROPHENOL	SS#1	AT	SCAN:	0
PHENOL-D6	SS#2	AT	SCAN:	0
NITROBENZENE	SS#3	AT	SCAN:	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN:	0
TRIBROMOPHENOL	SS#5	AT	SCAN:	0
TERPHENYL-D14	SS#6	AT	SCAN:	0



Quantitation Report **File: 4040409D**

Data: 4040409D.TI
04/09/91 12:44:00
Sample: Q10316503 4/1/91 H2O BN/A PJJ
Inds 4501 FSCC GCBA CASE# SDG#
Formula: 10L +10UL INT Instrument: 4501 Weight: 0.000
Submitted by: ITAS-PIT Analyst: PJJ Acct. No..

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD.
2	CI40 NAPHTHALENE-D8 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
6	CI75 PERYLENE-D12 INTERNAL STD.
7	AP05 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIONAZIN
29	AP28 5-NITRO-O-TOLUIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
38	AP37 PRONAMIDE
39	AP38 PENTACHLORONITROBENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 FARATHION
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZOBENZENE
50	AP49 CHLOROBENZILATE

No	R.I.	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	709	8:29	1	1.000	A BB	12468	40.000 UG/L	16.51
2	176	719	11:35	2	1.000	A BV	65035	40.000 UG/L	16.51
3	224	996	16:36	3	1.000	A BB	31916	40.000 UG/L	16.61
4	188	1225	20:26	4	1.000	A BB	45397	40.000 UG/L	16.51
5	240	1344	27:24	5	1.000	A BB	27598	40.000 UG/L	16.61
6	264	1429	32:09	6	1.000	A BB	25364	40.000 UG/L	15.51
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	18	1226	20:26	4	1.000	A BB	407.	0.552 UG/L	0.23
41	189	1290	21:30	4	1.052	A BB	170.	0.564 UG/L	0.23
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Quantitation Report File: 4040409D

Data: 4040409D.TI
04/09/91 12:44:00
Sample: Q10316503 4/1/91 H2O BN/A PJJ
Inds: 4501 FSCC GCBA CASE# SDG#
Formula: 10UL +10UL INT Instrument: 4501 Weight: 0.600
Submitted by: IFAS-PIT Analyst: PJJ Acct No :

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

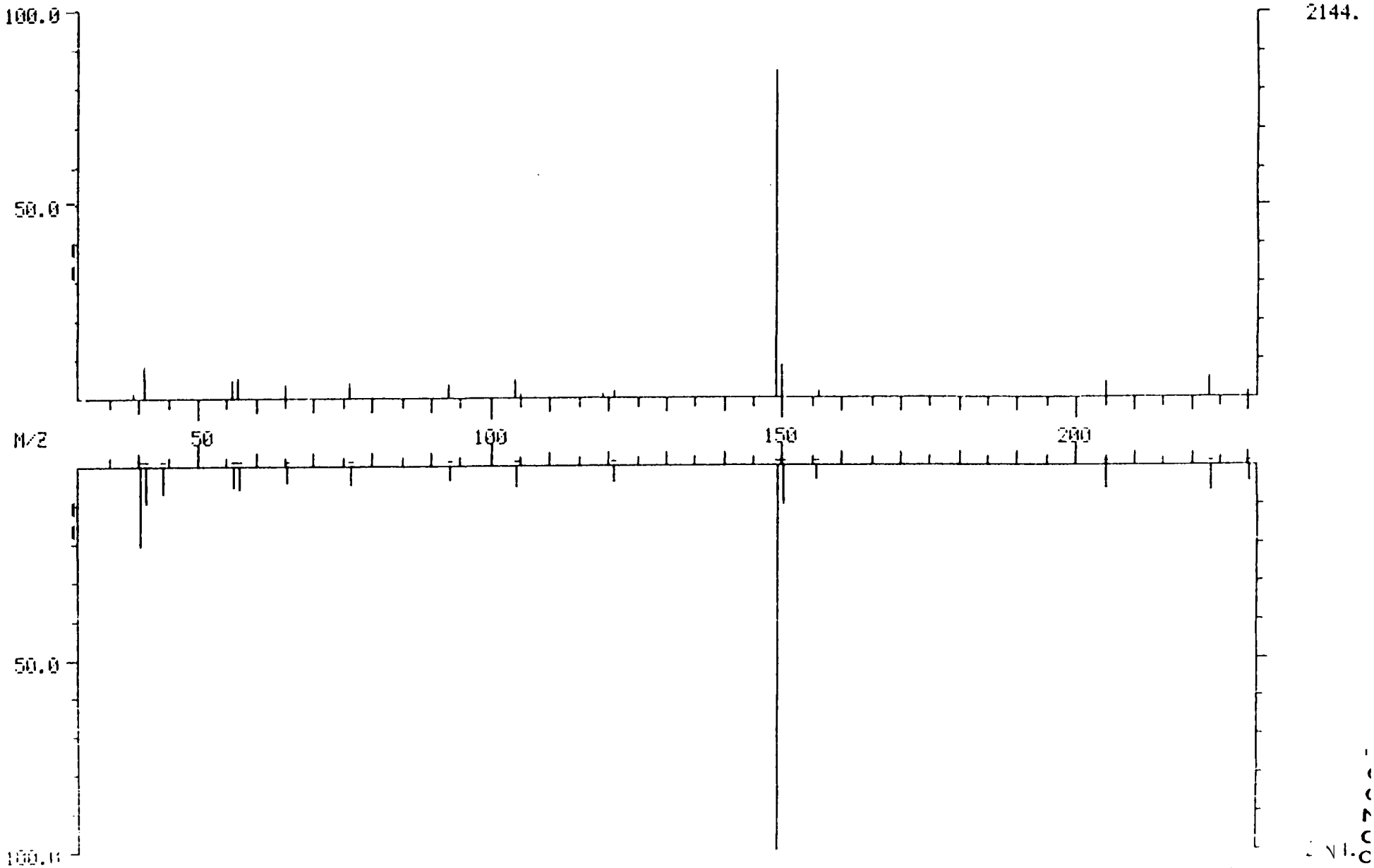
No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								

DUAL MASS SPECTRUM
04/09/91 12:44:00 + 22:02
SAMPLE: Q10316503 4/1/91 H20 BN/A PJJ
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

DAT : 4040409B #1322
C.I.: 4040409B #2

BASE M/Z: 149/ 149
RIC: 3151./ 4303.



320090

000207

Laboratory Name: IT PITTSBURGH
Lab Sample ID: SFLK-4-1-91
Client Sample ID: SBLK1

Concentration: LOW
Sample Matrix: WATER
Percent Moisture: ____

Date Extracted: ____
Date Analyzed: 04/13/91
Dilution Factor: 1.3

APPENDIX IX SEMIVOLATILE COMPOUNDS

CAS Number		ug/L	
	N-NITROSODIMETHYLAMINE . .	10	U
	N-NITROSOMETHYLETHYLAMINE	20	U
	2-PICOLINE	20	U
108-95-2	Phenol	10	U
62-53-3	Aniline	10	U
111-44-4	bis(2-Chloroethyl)Ether .	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene . . .	18	U
106-46-7	1,4-Dichlorobenzene . . .	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene . . .	18	U
108-60-1	bis(2-Chloroisopropyl)Ether	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	18	U
67-72-1	Hexachloroethane	18	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	18	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1.2, 4-Trichlorobenzene . .	18	U
91-20-3	Naphthalene	18	U
106-47-8	4-Chloroaniline	18	U
87-68-3	Hexachlorobutadiene . . .	18	U
59-50-7	4-Chloro-3-Methylphenol .	10	U
91-57-6	2-Methylnaphthalene . . .	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol . .	18	U
95-95-4	2,4,5-Trichlorophenol . .	50	U
91-58-7	2-Chloronaphthalene . . .	18	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	18	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	18	U
51-28-5	2,4-Dinitrophenol	58	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	18	U
7005-72-3	4-Chlorophenyl-phenylether	18	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	58	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylaaine (1)	18	U
181-55-3	4-Bromophenyl-phenylether	18	U

CAS Number		ug/L	
118-74-1	Hexachlorobenzene	18	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate . . .	6	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate . . .	10	U
91-94-1	3,3'-Dichlorobenzidine . .	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate . . .	10	U
205-99-2	Benzo(b)Fluoranthene . . .	10	U
207-08-9	Benzo(k)Fluoranthene . . .	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene . .	10	U
53-70-3	Dibenz(a,h)Anthracene . .	10	U
191-24-2	Benzo(g,h,i)Perylene . . .	10	U
	TOTAL METHYLPHENOL	10	U
110-86-1	PYRIDINE	50	U
	2,3,4,6-TETRACHLOROPHENOL	50	U

Laboratory Name: IT PITTSBURGH
Lab Sample ID: ELK-4- 1-91
Client Sample ID: SBLK1

Concentration: LOW
Sample Matrix: WATER
Percent Moisture: _____

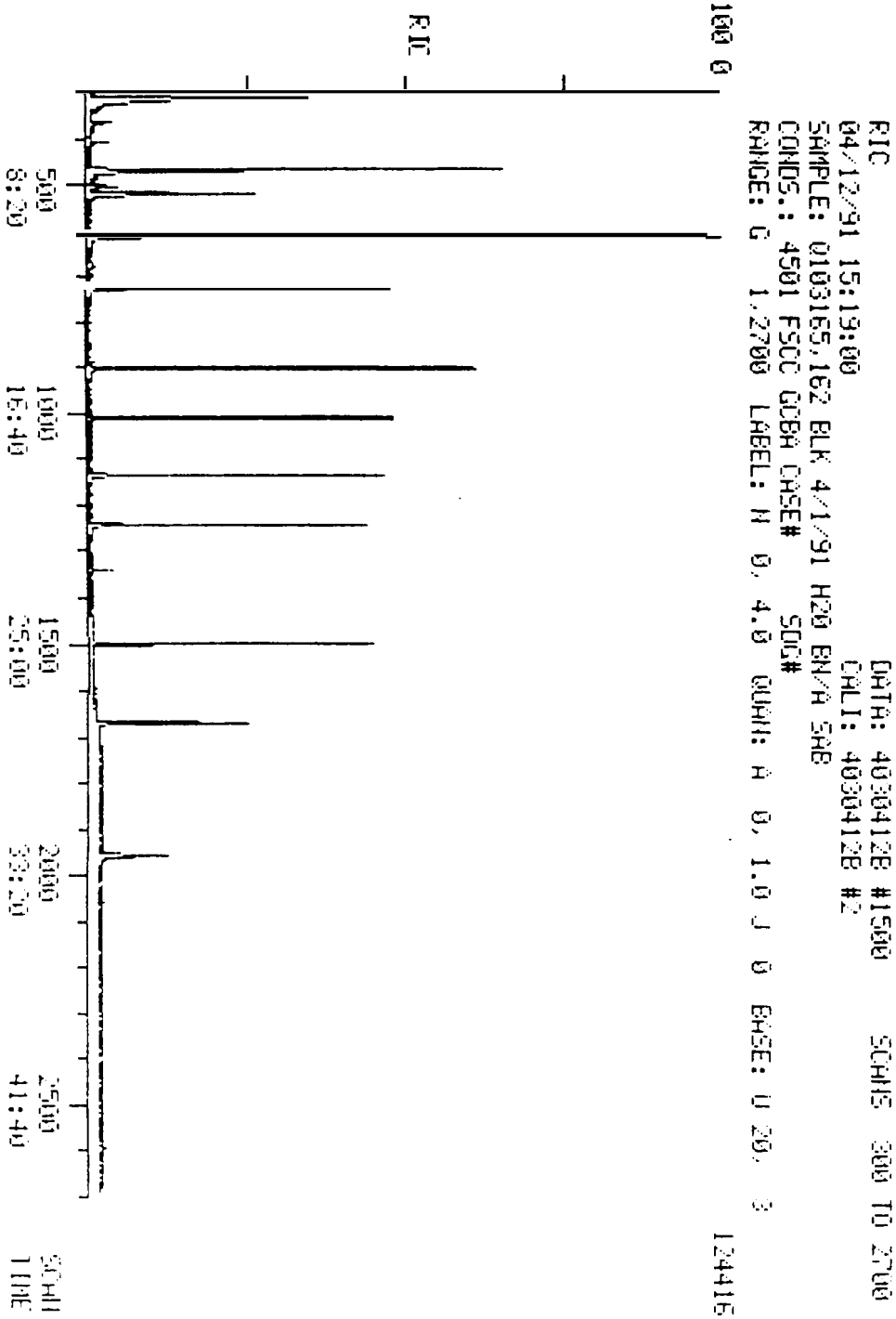
Date Extracted: _____
Date Analyzed: 04 13/91
Dilution Factor: ...

APPENDIX IX SEMIVOLATILE COMPOUNDS

CAS Number		ug/L		CAS Number		ug/L	
	METHYL METHANESULFONATE	30	U				
	N-NITROSODIETHYLAMINE	10	U				
	ETHYLMETHANESULFONATE	10	U				
	PENTACHLOROETHANE	18	U				
	N-NITROSOPYRROLIDINE	10	U				
	ACETOPHENONE	10	U				
	N-NITROSOMORPHOLINE	10	U				
	P-PHENYLENEDIAMINE	10	U				
	O-TOLUIDINE	10	U				
	N-NITROSOPIPERIDINE	18	U				
	ALPHA,ALPHA-DIMETHYLPHENETH	30	U				
	2,6-DICHLOROPHENOL	10	U				
	HEXACHLOROPROPENE	10	U				
	N-NITROSODI-N-BUTYLAMINE	10	U				
	SAFROLE	10	U				
	1,2,4,5-TETRACHLOROBENZENE	18	U				
	ISOSAFROLE	10	U				
	M-DINITROBENZENE	10	U				
	PENTACHLOROBENZENE	18	U				
	1-NAPHTHYLAMINE	50	U				
	2-NAPHTHYLAMINE	58	U				
	5-NITRO-O-TOLUIDINE	10	U				
	DIPHENYLAMINE	10	U				
	SYM-TRINITROBENZENE	10	U				
	PHENACETIN	10	U				
	4-AMINOBIPHENYL	50	U				
	PRONAMIDE	10	U				
	PENTACHLORONITROBENZENE	50	U				
	4-NITROQUINOLINE-1-OXIDE	50	U				
	METHAPYRILENE	10	U				
	ISODRIN	10	U				
	ARAMITE	20	U				
	P-DIMETHYLAMINOAZOBENZENE	10	U				
	A-3-DIMETHYLBENZIDINE	20	U				
	KEPONE	300	U				
	2-ACETYLAMINOFLUORENE	10	U				
	7,12-DIMETHYLBENZ(A)ANTHRAC	18	U				
	3-METHYLCHOLANTHRENE	10	U				
	DINOSEB	50	U				
	1,4-NAPHTHOQUINONE	58	U				
	HEXACHLOROPHENE	388	U				

(1) N-nitrosodiphenylamine and Diphenylamine cannot be separated .

1,4-DICHLOROBENZENE-D4	IS#1	AT	SCAN	523
NAPHTHALENE-D8	IS#2	AT	SCAN	729
ACENAPTHENE-D10	IS#3	AT	SCAN	1011
PHENANTHRENE-D10	IS#4	AT	SCAN	1246
CHRYSENE-D12	IS#5	AT	SCAN	1670
PERYLENE-D12	IS#6	AT	SCAN	1959
2-FLUOROPHENOL	SS#1	AT	SCAN	0
PHENOL-D6	SS#2	AT	SCAN	470
NITROBENZENE	SS#3	AT	SCAN	0
2-FLUOROBIPHENYL	SS#4	AT	SCAN	904
TRIBROMOPHENOL	SS#5	AT	SCAN	1138
TERPHENYL-D14	SS#6	AT	SCAN	1500



607000

Data 4030412B TI
04/12/91 15:19:00
Sample Q103165, 162 BLK 4/1/91 H20 BN/A SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL INJ + 10UL INT Instrument. 3501 Weight: 0 000
Submitted by. ITAS Analyst. SAB Acct No.

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. Fac from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD.
2	2I40 NAPHTHALENE-D8 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
6	CI75 PERYLENE-D12 INTERNAL STD.
7	CS50 FLUOROPHENOL (SURROGATE)
a	CS45 PHENOL-D6 (SURROGATE)
3	CS20 NITROBENZENE-D5 (SURROGATE)
10	CS25 2-FLUOROBIPHENYL (SURROGATE)
11	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
12	CS30 TERPHENYL-D14
13	C320 ANILINE
14	C315 PHENOL CCC
15	C325 BIS(2-CHLOROETHYL)ETHER
16	C330 2-CHLOROPHENOL
17	C335 1,3-DICHLOROBENZENE
18	C340 1,4-DICHLOROBENZENE CCC
19	C345 BENZYL ALCOHOL
20	C350 1,2-DICHLOROBENZENE
21	C355 2-METHYLPHENOL
22	C360 BIS(2-CHLORDISOPROPYL)ETHER
23	C370 N-NITROSO-DI-N-PROPYLAMINE SPCC
24	C.375 HEXACHLUFOETHANE
25	C410 NITROBENZENE
26	C415 ISOPHORONE
27	C420 2-NITROPHENOL CCC
28	C425 2,4-DIMETHYLPHENOL
29	C430 BENZOIC ACID
30	C435 BIS(2-CHLOROETHOXY)METHANE
31	C440 2,4-DICHLOROPHENOL CCC
32	C445 1,2,4-TRICHLCROBENZENE
33	C450 NAPHTHALENE
34	C455 4-CHLOROANILINE
35	C460 HEXACHLOROSWTADIENE CCC
36	C465 3-CHLORO-3-METHYLPHENOL
37	C470 2-METHYLNAPHTHALENE
38	C510 HEXACHLOROCYCLOPENTADIENE SPCC
39	C515 2,4,6-TRICHLOROPHENOL CCC
40	C520 2,4,5-TRICHLOROPHENOL
41	C525 2-CHLORONAPHTHALENE
42	C530 2-NITROANILINE
43	C535 DIMETHYL PHTHALATE
44	C540 ACENAPHTHYLENE
45	C543 2t6 DINITROTOLUENE
46	C545 3-NITROANILINE
47	C550 ACENAPHTHENE CCC

No	Name
48	C555 2,4-DINITROPHENOL
49	C560 4-NITROPHENOL
50	C565 DIBENZOFURAN

000211

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	523	8:43	1	1.000	A BB	19610.	40.000 UG/L	5.27
2	136	729	12:09	2	1.000	A BB	47065	40.000 UG/L	5.27
3	164	1011	16:51	3	1.000	A BB	36372	40.000 UG/L	5.27
4	188	1246	20:46	4	1.000	A BB	50966	40.000 UG/L	5.27
5	240	1670	27:50	5	1.000	A BB	32075	40.000 UG/L	5.27
6	264	1939	32:39	6	1.000	A BB	29111	40.000 UG/L	5.27
7	112	318	5:18	1	0.608	A BB	67241	108.958 UG/L	14.34
8	99	470	7:50	1	0.899	A BB	103275	105.160 UG/L	13.64
9	82	616	10:16	2	0.845	A BB	114594	73.550 UG/L	9.70
10	172	904	15:04	3	0.834	A BB	43159	53.802 UG/L	8.40
11	330	1137	18:57	3	1.125	A BB	12252	96.514 UG/L	12.70
12	244	1500	25:00	5	0.890	A BB	55133	68.498 UG/L	9.02
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
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35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Data: 4030412B.TI
04/12/91 15 19 00
Sample Q103165,142 BLK 4/1/91 H20 BN/A SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL INJ + 10UL INT Instrument 4501 Weight 2 000
Submitted by ITAS Analyst SAB Acct No

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. Fac. from Library Entry

No	Name
51	C570 2,4-DINITROTOLUENE
52	C580 DIETHYL PHTHALATE
53	C585 4-CHLOROPHENYL-PHENYL ETHER
54	C590 FLUORENE
55	C595 4-NITROANILINE
56	C610 4,6-DINITRO-2-METHYLPHENOL
57	C615 N-NITROSODIPHENYLAMINE (DIPHENYLAMINE' CCC
58	C625 4-BROMOPHENYL-PHENYL ETHER
59	C630 HEXACHLOROBENZENE
60	C635 PENTACHLOROPHENOL CC2
41	C640 PHENANTHRENE
42	C645 ANTHRACENE
43	C650 DI-N-BUTYL FHTHALATE
44	C655 FLUORANTHENE
45	C710 BENZIDINE
66	C715 PYRENE
47	C720 BUTYLBENZYLPHTHALATE
a8	C725 3,3'-DICHLOROBENZIDINE
69	C730 BENZO(A)ANTHRACENE
70	C740 CHRYSENE
71	C745 BIS(2-ETHYLHEXYL) PHTHALATE
72	C760 DI-N-OCTYL PHTHALATE CCC
73	C765 BENZO(3)FLVOPANTHENE
74	C770 BENZO(K)FLVOPANTHENE
75	C775 BENZO(A)PYRENE CCC
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZ(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE
79	EP01 TOTAL (3 & 4 METHYL PHENOLS)
80	EP02 PYRIDINE
81	EP03 2,3,4,6-TETRACHLOROPHENOL
82	AP02 N-NITROSODIMETHYLAMINE
83	AP03 N-NITROSOMETHYLETHYLAMINE
84	AP04 2-PICOLINE

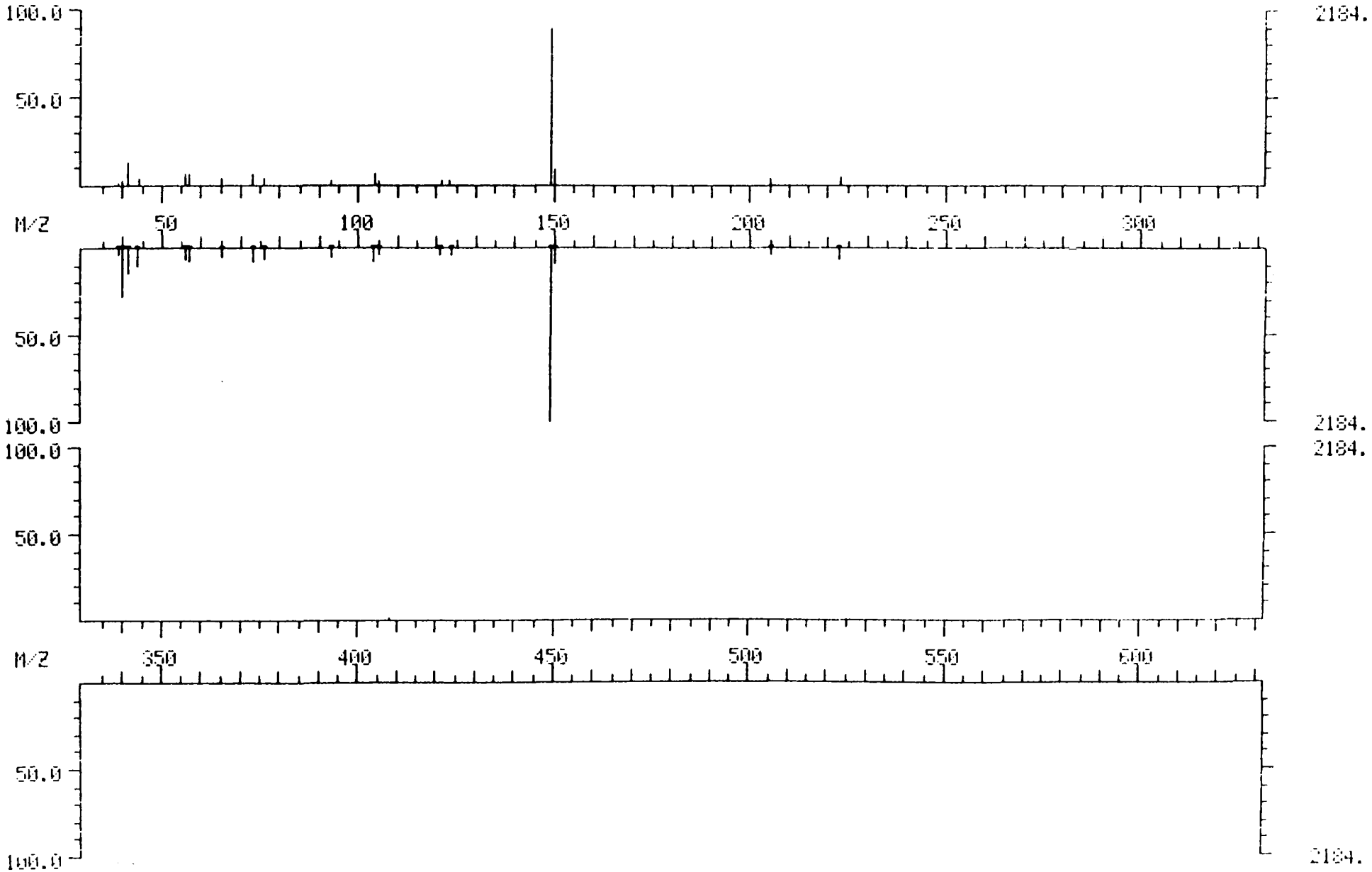
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NIJT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
63	149	1344	22.24	3	1.079	A BB	5750.	3.057 UG/L	0.10
64	NOT FOUND								
5	NOT FOUND								
66	NOT FOUND								
67	NOT FOUND								
68	NOT FOUND								
69	NOT FOUND								
70	NOT FOUND								
71	149	1675	27.55	5	1.003	A BB	340.	0.255 UG/L	0.13
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	NOT FOUND								
82	NOT FOUND								
83	NOT FOUND								
84	NOT FOUND								

320069

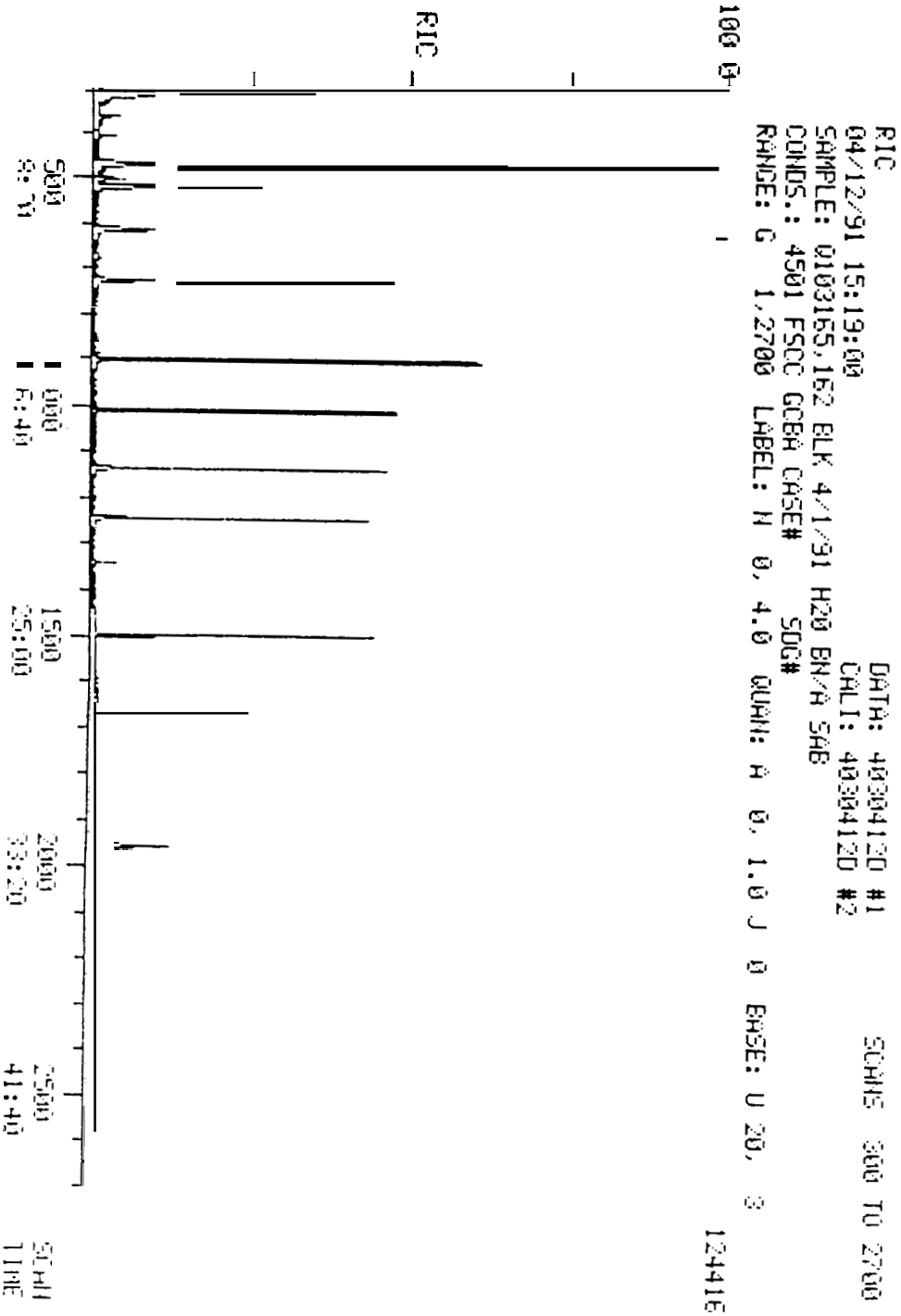
DUAL MASS SPECTRUM
04/12/91 15:19:00 + 22:24
SAMPLE: 0103165,162 BLK. 4/1/91 H20 BH A SWB
CONDS.: 4501 FSCC GCBA CASE# SDG#
ENHANCED (S 15B 2N 0T)

DATA: 40304128 #1344 BASE M/Z: 149 149
CALI: 40304128 #2 RIC: 3830. 5191.



000274

1,4-DICHLOROBENZENE-D4	IS#1	AT SCAN: 0
NAPHTHALENE-D8	IS#2	AT SCAN: 0
ACENAPTHENE-D10	IS#3	AT SCAN. 0
PHENANTHRENE-D10	IS#4	AT SCAN: 0
CHRYSENE-D12	IS#5	AT SCAN, 0
PERYLENE-D12	IS#6	AT SCAN: 0
2-FLUOROPHENOL	SS#1	AT SCAN: 0
PHENOL-D6	SS#2	AT SCAN. 0
NITROBENZENE	SS#3	AT SCAN: 0
2-FLUOROBIPHENYL	SS#4	AT SCAN: 0
TRIBROMOPHENOL	SS#5	AT SCAN: 0
TERPHENYL-014	SS#6	AT SCAN: 0



Data 4030412D TI
04/12/91 15.19 GO
Sample Q103165,162 BLK 3/1/91 H20 BN/A SAB
Conds 4501 FSCC GCBA CASE# SDG#
Formula 1UL INJ + 10UL INT Instrument 4501 Weight: 0.000
Submitted by ITAS Analyst SAB Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 1,4-DICHLOROBENZENE-D4 INTERNAL STD.
2	CI40 NAPHTHALENE-D9 INTERNAL STD.
3	CI50 ACENAPHTHENE-D10 INTERNAL STD.
4	CI60 PHENANTHRENE-D10 INTERNAL STD.
5	CI70 CHRYSENE-D12 INTERNAL STD.
6	CI75 PERYLENE-D12 INTERNAL STD.
7	AP05 METHYL METHANESULFONATE
8	AP06 N-NITROSODIETHYLAMINE
9	AP07 ETHYLMETHANESULFONATE
10	AP08 PENTACHLOROETHANE
11	AP09 N-NITROSOPYRROLIDINE
12	AP10 ACETOPHENONE
13	AP12 N-NITROSOMORPHOLINE
14	AP13 P-PHENYLENEDIAMINE
15	AP14 O-TOLUIDINE
16	AP15 N-NITROSOPIPERIDINE
17	AP16 ALPHA,ALPHA-DIMETHYL PHENETHYLAMINE
18	AP17 2,6-DICHLOROPHENOL
19	AP18 HEXACHLOROPROPENE
20	AP19 N-NITROSODI-N-BUTYLAMINE
21	AP20 SAFROLE
22	AP21 1,2,4,5-TETRACHLOROBENZENE
23	AP22 ISOSAFROLE
24	AP23 M-DINITROBENZENE
25	AP24 PENTACHLOROBENZENE
26	AP25 1-NAPHTHYLAMINE
27	AP26 2-NAPHTHYLAMINE
28	AP27 THIUNAZIN
29	AP28 5-NITRO-O-TOLWIDINE
30	AP29 DIPHENYLAMINE
31	AP30 SULFOTEPP
.32	AP31 SYM-TRINITROBENZENE
33	AP32 PHENACETIN
:34	AP33 PHORATE
35	AP34 DIALLATE
36	AP35 DIMETHOATE
37	AP36 4-AMINOBIPHENYL
39	AP37 PRONAMIDE
39	AP38 PENTACHLORONITRODENZENE
40	AP39 DISULFOTAN
41	AP40 METHYLPARATHION
42	AP41 4-NITROQUINOLINE-1-OXIDE
43	AP42 PARATHIUN
44	AP43 ALDRIN
45	AP44 METHAPYRILENE
46	AP45 ISODRIN
47	AP46 ARAMITE

No	Name
48	AP47 DIELDRIN
49	AP48 P-DIMETHYLAMINOAZODENZENE
50	AP49 CHLOROBENZILATE

No	m/z	Scan	Time	Ref		RRT	Meth	Area(Hght)	Amount	%Tot
1	152	523	8 43	1	1	000	A BB	19610.	40.000 UG/L	17 03
2	136	729	12 09	2	1	000	A BB	67065	40.000 UG/L	17 03
3	164	1011	16 51	3	1	000	A BB	35372.	40.000 UG/L	17 03
4	198	1246	20 46	4	1	GGO	A BB	50966.	40.000 UG/L	17 03
5	2-40	1670	27 50	5	1	000	A BB	32078.	40.000 UG/L	17 03
5	264	1959	32 39	6	1	COO	A BB	29111.	40.000 UG/L	17 03
7	NOT FOUND									
8	NOT FOUND									
3	NOT FOUND									
10	NOT FOUND									
11	NOT FGUND									
12	NOT FOUND									
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	NOT FOUND									
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	NOT FOUND									
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	NOT FOUND									
39	NOT FOUND									
40	NOT FOUND									
41	NOT FOUND									
42	NOT FOUND									
43	NOT FOUND									
44	NUT FOUND									
45	NOT FOUND									
44	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

Data: 4030412D.TI
04/12/91 15:19:00
Sample: Q103165,162 BLK 4/1/91 H20 BN/A SAB
Conds.: 4501 FSCC GCBA CASE# SDG#
Formula: 1UL INJ + 10UL INT Instrument: 4501 Weight 0.000
Submitted by: ITAS Analyst: SAD Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac from Library Entry

No	Name
51	AP50 3,3'-DIMETHYLBENZIDINE
52	AP51 KEPONE
53	AP52 2-ACETYLAMINOFLUORENE
54	AP53 7,12-DIMETHYLBENZ(A)ANTHRACENE
55	AP54 3-METHYLCHOLANTHRENE
56	AP55 DINOSEB
57	AP57 1,4 NAPHTHOQUININE
58	AP58 HEXACHLOROPHENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NUT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								

WATER SEMIVOLATILE SURROGATE RECOVERY 444219

Lab Name: IT PITTSBURGH Contract: 965020

Lab Code: ITPA Case No.: EC3165 SAS No.: _____ SDG No.: [illegible]

EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01 [illegible]	33 *	67	71	48	54	56		1
02 P32W001	32 *	67	71	48	54	56	0	1
03 P32W066	34 *	61	55	48	53	55	0	1
04 P32W066	34 *	61	55	48	53	55	0	1
05 P32WFB02	26 *	59	74	43	48	49	0	1
06 P32WFB02	26 *	59	74	43	48	49	0	
07 SBLK1	74	64	68	32	54	48	0	0

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(35-114)
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)
S3 (TPH)	= Terphenyl	(33-141)
S4 (PHL)	= Phenol-d5	(10-94)
S5 (2FP)	= 2-Fluorophenol	(21-100)
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

FORM II SV-1

1/87 Rev.

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: IT PITTSBURGH Contract: 965020

Lab Code: ITPA Case No.: RC3165 SAS No.: _____ SDG No.: GCBRA

Lab File ID: 4030412B Lab Sample ID: SBLK-4-1-91

Date Extracted: _____ Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed 04/12/91 Time Analyzed: 1514

Matrix: (soil/water) WATER Level: (low med) LOW

Instrument ID: 4001

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P32W001	Q10316501	4020409B	04/09/91
02	P32W066	Q10316502	4030409B	04/09/91
03	P32WFB02	Q10316503	4040409B	04/09/91

COMMENTS: Q103165,162 BLK 4/1/91 H20 BN/A SAB
4501 FSCC GCBA CASE# SDG#

FORM IV SV 1/87 rev

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: IT PITTSBURGH Contract: 965020

Lab Code: ITPA Case No.: EC3165 SAS No.: _____ SDG No.: GENERA

Lab File ID (Standard): C4404138 Date Analyzed: 04/13/91

Instrument ID: -501 Time Analyzed: 1149

		IS1(DCB) AREA	#	RT	IS2(NPT) AREA	#	RT	IS3(ANT) AREA	#	RT
	12 HOUR STD	17200		8.92	67000		12.22	36100		16.87
	UPPER LIMIT	34400			134000			72200		
	LOWER LIMIT	8600			33500			18050		
	EPA SAMPLE NO.									
01	SBLK1	19600		8.72	67100		12.15	36400		16.85

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk

FORM VIII SV-1

1/87 Rev

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: IT PITTSBURGH Contract: 965020

Lab Code: ITPA Case No.: EC3165 SAS No.: _____ SDG No.: GENERA

Lab File ID (Standard): C440412B Date Analyzed: 04/12/91

Instrument ID: 4501 Time Analyzed: 1149

		IS4 (PHN) AREA	#	RT	IS5(CRY) AREA	#	RT	IS6(PRY) AREA	#	RT
	12 HOUR STD	57100		20.75	40200		27.84	35800		32.62
	UPPER LIMIT	114200			80400			71600		
	LOWER LIMIT	28550			20100			17900		
	EPA SAMPLE NO.									
01	SBLK1	51000		20.77	32100		27.84	29100		32.66

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk

FORM VIII SV-2 1/87 Rev.

3200698

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: IT PITTSBURGH Contract: 965020

Lab Code: ITPA Case No.: EC3165 SAS No.: _____ SDG No.: GENERA

Lab File ID (Standard): C340409B Date Analyzed: 04/09/91

Instrument ID: +501 Time Analyzed: 0925

	IS1(DCB) AREA	#	RT	IS2(NPT) AREA	#	RT	IS3(ANT) AREA	#	RT
12 HOUR STD	14900		8.65	56500		11.99	28000		16.59
UPPER LIMIT	29800			113000			56000		
LOWER LIMIT	7450			28250			14000		
EPA SAMPLE NO.									
01 P32W001	19000		8.82	65800		12.04	31500		16.60
02 P32W066	17600		8.72	62200		12.00	31700		16.62
03 P32WFB02	18500		8.49	65000		11.92	31900		16.60

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk

FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: IT PITTSBURGH Contract: 965020

Lab Code: ITPA Case No.: EC3165 SAS No.: _____ SDG No.: GENERA

Lab File ID (Standard): C340409B Date Analyzed: 04/09/91

Instrument ID: 4301 Time Analyzed: 0925

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	41800	20.44	29200	27.39	27100	32.14
	UPPER LIMIT	83600		58400		54200	
	LOWER LIMIT	20900		14600		13550	
	EPA SAMPLE NO.						
01	P32W001	43600	20.42	28600	27.39	24800	32.14
02	P32W006	43200	20.44	31900	27.41	29200	32.16
03	P32WF302	45400	20.44	27600	27.41	25400	32.16

IS4 (PHN) = Phenanthrene-d 8
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk

FORM VIII SV-2 1/87 Rev.

3200693

DATE: 4-1-91

PARAMETER EXTRACTED: BN/A

METHOD: 8270 3520 (CE)

NON-CONFORMANCE: No (162, 165)

Q1-03-162

SAMPLE ID	ORIGINAL VOLUME	SURR. SPIKE	KD+DATE WR GPC PREP.	KD+DATE FOR FINAL CONC.	FINAL VOLUME	HT START	ANALYST DATE
1. Blank 4-1-91	1000	10 mL 1-18-C	None	DSP 4-3-91	10 mL	N/A	PJ 4-3-91
2. Q10316501						3-27-91	PJ 4-3-91
3. Q10316502							PJ 4-3-91
4. Q10316503							PJ 4-3-91
5. Q10316201						3-26-91	PJ 4-3-91
6. Q10316202							PJ 4-3-91
7. Q10316203							PJ 4-3-91
8. Q10316204							PJ 4-3-91
9. Q10316205							PJ 4-3-91
10. Q10316206							PJ 4-3-91
11. Q10316207							PJ 4-3-91
12. LCS (165, 162)		10 mL 1-122-C				N/A	PJ 4-3-91
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							
21.							
22.							
23.							
24.							

GHS 4-1-91

		OPENED
SOLVENT REAGENT NO.:		
METHYLENE CHLORIDE: MC031991 173R2	LOT #: A2451	4-1-91
ACETONE:	LOT #:	
ETHER:	LOT #:	
HEXANE:	LOT #:	
METHANOL:	LOT #:	

REVIEWED BY: JDD 4-4-91

000226

DATE RECEIVED [illegible]
DATE EXTRACTED [illegible]
DATE(S) ANALYZED [illegible]
OPERATOR(S) [illegible]
INSTRUMENT ID [illegible]
COLUMN ID(S) [illegible]

METHOD CODE [illegible]

(1) ug/[illegible] = MICROGRAMS PER [illegible] OR PARTS PER BILLION.

(*#I NO DENOTES THAT THE COMPOUND **IS** NOT DETECTED AT OR ABOVE THE INDICATED DETECTION LIMIT.

( ) ~~THE DETECTION LIMIT WAS CALCULATED ON A DRY WEIGHT BASIS.~~

( ) ~~* MEANS THAT THE SAMPLE WAS CONFIRMED.~~

( ) ~~THE SAMPLES~~ WERE GPC'd, THEREFORE ~~THE DETECTION LIMIT~~ IS MULTIPLIED BY 2 ~~TO REFLECT THIS~~ PROCEDURE.

P/PCB

3200700

Date: 4/12/91

Client Project ID: ECOLOGY ENVIR

000227

Job Number: 16560

Pesticide/PCB Hazardous Substance List Compounds

Client Sample ID: BLANK 4-1-91
Sampled by:
Sample Date:
Lab Sample ID: BLANK 4-1-91
Analysis Date:

Compound		Concentration ug/L	Compound		Compound ug/L
alpha-BHC	ND	0.050	4,4'-DDT	ND	0.10
beta-BHC		0.060	Methoxychlor		~~1.70~~ 1.8 SG 4-17-91
delta-BHC		0.040	ENDRIN ALDEHYDE		0.03
gamma-BHC (Lindane)		0.040	CHLORDANE (TECHNICAL)		0.14
Heptachlor		0.030	Toxaphene		0.4
Aldrin		0.040	Aroclor-1016		0.50
Heptachlor epoxide		0.03	Aroclor-1221		0.50
Endorulfan I		0.14	Aroclor-1232		0.50
Dieldrin		0.030	Aroclor-1242		0.50
4,4'-DDE		0.040	Aroclor-1248		0.50
Endrin		0.060	Aroclor-1254		1.0
Endosulfan II		0.040	Aroclor-1260		1.0
4,4'-DDD		0.11			
Endorulfan sulfate		0.00			

Date: 4 / 12 / 89

000228

Client Project ID: ECOLOGY ENVIR

Job Number:

Pesticide/PCB Hazardous Substance List Compounds

Client Sample ID: P37

Sampled by:

Sample Date:

Lab Sample ID:

Analysis Date:

Compound	Concentration ug/L	Compound	Compound ug/L
alphr-BHC	3	4,4'-DDT	—
beta-BHC		Methoxychlor	
delta-BHC		ENDRIN ALDEHYDE	
gamma-BHC (Lindane)		CHLORDANE (TECHNICAL)	
Heptachlor		Toxaphene	
Aldrin		Aroclor-1016	
Heptachlor epoxide		Aroclor-1221	
Endorulfrn I		Aroclor-1232	
Dieldrin		Aroclor-1242	
4,4'-DDE		Aroclor-1248	
Endrin		Aroclor-1254	
Endosulfin II		Aroclor-1260	
4,4'-DDD			
Endorulfan sulfate			

3200701

Date: [illegible]

000229

Client Project ID: [illegible]

Job Number: [illegible]

Pesticide/PCB Hazardous Substance List Compounds

Client Sample ID: [illegible]

Sampled by:

Sample Date:

Lab Sample ID:

Analysis Date:

Coapound	Concentration ug/L	Compound	Compound ug/L
alpha-BHC	[illegible]	4,4'-DDT	[illegible]
beta-BHC	[illegible]	Methoxychlor	[illegible]
delta-BHC		ENDRIN ALDEHYDE	[illegible]
gamma-BHC (Lindane)	[illegible]	CHLORDANE (TECHNICAL)	[illegible]
Heptachlor			
Aldrin	[illegible]	Toxaphene	[illegible]
Heptachlor epoxide		Aroclor-1016	[illegible]
Endorulfrn I	[illegible]	Aroclor-1221	[illegible]
Dieldrin		Aroclor-1232	[illegible]
4,4'-DDE	[illegible]	Aroclor-1242	[illegible]
Endrin	[illegible]	Aroclor-1248	[illegible]
Endosulfan II	[illegible]	Aroclor-1254	[illegible]
4,4'-DDD	[illegible]	Aroclor-1260	[illegible]
Endorulfan sulface	[illegible]		

Date: [illegible]

000250

Client Project ID: [illegible]

Job Number: [illegible]

Pesticide/PCB Hazardous Substance List Compounds

Client Sample ID: [illegible]

Sampled by:

Sample Date:

Lab Sample ID: [illegible]

Analysis Date:

Coapound	Concenttacion ug/L	Compound	Compound ug/L
alpha-BHC	[illegible]	4,4'-DDT	[illegible]
beta-BHC	[illegible]	Methoxychlor	1.8
delta-BHC	[illegible]	ENDRIN ALDEHYDE	[illegible]
gamma-BHC (Lindane)	[illegible]	CHLORDANE (TECHNICAL)	[illegible]
Heptachlor	[illegible]	Toxaphene	[illegible]
Aldrin	[illegible]	Aroclor-1016	[illegible]
Heptachlor epoxide	[illegible]	Aroclor-1221	[illegible]
Endosulfan I	[illegible]	Aroclor-1232	[illegible]
Dieldrin	[illegible]	Atoclor-1242	[illegible]
4,G'-DDE	[illegible]	Aroc1or-1248	[illegible]
Endrin	[illegible]	Aroclor-1254	[illegible]
Endosulian II	[illegible]	Aroclot-1260	[illegible]
4,4'-DDD	[illegible]		
Endosulfan sulfate	[illegible]		

3200702

Date: / /89

Client Project ID: Job Number:

Pesticide Surrogate Spike Percent Recovery

Sample ID:	Dibutylchlorendate (24-154%) (20-150%)
	96 LM 4-12-9
	87
	107
	99

Values in parenthesis represent USEPA Contract required QC limits.

* Water Sample QC limit
** Soil Sample QC limit

DATE: 4-1-91

PARAMETER EXTRACTED: P/PCB

METHOD: ~~8270~~ 3520 (CE) 8080 JDD 4-3-91

NON-CONFORMANCE: No (16.2.165)

WORK ORDER NO.: Q1-03-165
Q1-03-162
~~000232~~

SAMPLE ID	ORIGINAL VOLUME	SURR. SPIKE	KD+DATE FOR GPC PREP.	KD+DATE FOR FINAL CONC.	FINAL VOLUME	HT START	ANALYST DATE
1. Blank 4-1-91	1000	1.0mL 2-7-8	None	DJP 4-2-91	10.0mL	N/A	SG 4-2-91
2. Q10316501						3-27-91	SG 4-2-91
3. Q10316502							SG 4-2-91
4. Q10316503							SG 4-2-91
5. Q10316201						3-26-91	SG 4-2-91
6. Q10316202							SG 4-2-91
7. Q10316203							SG 4-2-91
8. Q10316204							SG 4-2-91
9. Q10316205							SG 4-2-91
10. Q10316206							SG 4-2-91
11. Q10316207							3-2-71
12. LCS (165,162)		1000 ul 2-30/17				N/A	SG 4-2-91
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							
21.							
22.							
23.							
24.							

GHD 4-1-91

SOLVENT REAGENT NO.:		LOT #:	OPENED
METHYLENE CHLORIDE:	MC031991 19SR2	LOT #: AZ451	4-1-91
ACETONE:		LOT #:	
ETHER:		LOT #:	
HEXANE:	HE031291/18SR2	LOT #: A1613	4-2-91
METHANOL:		LOT I:	

REVIEWED BY: JDD 4-3-91

3200703

ITAS PITTSBURGH LOGIN SHEET

03/27/91

M NUMBER (31-03-165
IENT CODE ECOLOGY-ENV
OJECT NUM: 965020
OJECT NAME: ECOLOGY ENVIRONMENT

RECEIVED 03/27/91
DUE DATE 04/~~22~~ 19/91 HPT DUE 04/~~24~~ 23/91
CASE/SDG
REPORT TO TONY BOGOLIN / BRIAN CALDWELL
FORMAT. NDP

LOCATION V2
CON / REV SHC / C SHC
WRITTEN BY JRG
SAMP TYPE. WATER
QUOTE/PO:

IRK DESCR:
RAW DATA PACKAGE

FINAL

IO	D/S	R	CLIENT ID	XBAWS	XHBWS	XPPWS	BNA	HRBW	PPPW
0316501			P32 W001						
0316502			P32 W066						
0316503			P32 WFB02						

Appendix IX

KWD

JDD SJG SB MR

1-7

Sequence File : C:\2700\BP1091.seq 000234
Created by : on : 12/18/89 10:02 AM
Edited by : on : 4/11/91 9:20 AM
Number Of Times Edited : 4

Called LSG 12/1.

Sequence File Header Information:
Study Name
Segment Interface : YES
Number of Cycles : 26

Sequence Sample Descriptions

Cycle	Sample Name	Sample Number	Sample Amount	ISTD Amount	Inj. Volume	Dil. Factor	Mult	Divisor	Addend	Inst File	Auto Devic
1	EVAL B		1.000	1.000	1.000	1.000	1.000	1.000	0.000	SEW	LPT1:
2	a LOU		1.300	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPll
3	A ML		1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPT1:
4	A MED		1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPT1
5	A MH		1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPTl:
6	A HI		1,000	1.000	1.000	1.000	1.000	1.000	9.000	GEN6B	LPT1
7	B LOU		1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPT1:
8	B ML		1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPTl
9	B MED		1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPT1:
10	B MH		1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPT1
11	B HI		1.900	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPT1:
12	Q10316201	FB-01	1000.000	1.000	1.000	1.000	10.000	1.000	0.000	GEN6B	LPTl
13	Q10316202	EL-6	1000.000	1.000	Lm	1.000	10.000	1.000	0.000	GEN6B	LPT1:
14	Q10316203	EL-7	1000.000	1.000	1.000	1.000	10.000	1.000	0.000	GEN6B	LPTl
15	810316204	EL-11	1000.000	1.000	1.000	1.000	10.000	1.000	0.000	GEN6B	LPT1.
16	Q10316205	EL-19	1000.000	1.000	1.000	1.000	10,000	1.000	0.000	GEN6B	LPT1
17	Q10316206	MW-IT-01	1000.000	1.000	1.000	1.000	10.000	1.000	0.000	GEN6B	
18	Q10316207	M-30	1000.000	1.000	1,000	1.000	10.000	1.000	0.000	GEN6B	.1
ND 19	Q10316501	P32 W001	1000.000	1.000	1.000	1.000	10.000	1.000	0,000	GEN6B	LPTl
20	Q10316502	P32 W066	1000.000	1.000	1.000	1.000	10.000	1.000	0.000	GEN6B	LPTl
21	Q10316503	P32 WFB02	1000.000	1.000	1.000	1.000	10.000	1.000	0.000	GEN6B	LPT1
22	a MED		1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPTl
23	LCS 162,165	LCS162,165	1000.000	1.000	1.000	1.000	10.000	1.000	0.000	GEN6B	LPTl
ND 24	BLANK 4-1-91	BLK162,165	1000.000	1.000	1.000	1.000	10.000	1.000	0.000	GEN6B	LPTl
passed → 25	A MED		1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPT1
26	B MED		1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6B	LPTl

Dichlorm at 15 ppb

Sequence Process Description - Channel B

Cycle	Process File	Sample File	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Mode	Level Name	Update RT	Norm. Factor
1	GEN6B	EVBDB5B	EVADB5B	BP10001	BP10001			R	MED	Y	100.000
2	GEN6B	80ADB5B	INDADB5B	BP10002	BP10002			R	LOW	Y	100.000
3	GEN6B	80ADB5B	INDADB5B	BP10003	BP10003			R	MLOW	Y	100.000
4	GEN6B	80ADB5B	INDADB5B	BP10004	BP10004			R	MED	Y	100.000
5	GEN6B	80ADB5B	INDADB5B	BP10005	BP10005			R	MHIGH	Y	100.000
6	GEN6B	80ADB5B	INDADB5B	BP10006	BP10006			R	HIGH	Y	100.000
7	GEN6B	80BDB5B	INDBDB5B	BP10007	BP10007			R	LOW	Y	100,000
8	GEN6B	80BDB5B	INDBDB5B	BP10008	BP10008			R	MLOW	Y	100.000
9	GEN6B	80BDB5B	INDBDB5B	BP10009	BP10009			R	MED	Y	100.000
10	GEN6B	80BDB5B	INDBDB5B	BP10010	BP10010			R	MHIGH	Y	100.0(

3200704

12	GEN6B	SA80DB5B	SAMH20	BP10012	BP10012	N		N	100.000
13	GEN6B	SA80DB5B	SAMH20	BP10013	BP10013	N		N	100.000
14	GEN6B	SA80DB5B	SAMH20	BP10014	BP10014	N		N	100.000
15	GEN6B	SA80DB5B	SAMH20	BP10015	BP10015	N		N	100,000
16	GEN6B	SA80DB5B	SAMH20	BP10016	BP10016	N		N	100.000
17	GEN6B	SA80DB5B	SAMH20	BP10017	BP10017	N		N	100.000
18	GEN6B	SA80DB5B	SAMH20	BP10018	BP10018	N		N	100.000
19	GEN6B	SA80DB5B	SAMH20	BP10019	BP10019	N		N	100.000
20	GEN6B	SA80DB5B	SAMH20	BP10020	BP10020	N		N	100.330
21	GEN6B	SA80DB5B	SAMH20	BP10021	BP10021	N		N	100.000
22	GEN6B	80ADB5B	INDADB5B	BP10022	BP10022	R	RED	Y	100.000
23	GEN6B	SA80DB5B	SAMH20	BP10023	BP10023	N		N	100.000
24	GEN6B	SA80DB5B	SAMH20	BP10024	BP10024	N		N	100.000
25	GEN6B	80ADB5B	INDADB5B	BP10025	BP10025	R	NED	Y	100.000
24	GEN6B	80BDB5B	INDBDB5B	BP10026	BP10026	R	MED	Y	100.000

Sample Name : EVAL B
Sample Number:
Operator : LSG

Time : 4/11/91 0002:38 PM
Study :

Interface # : 2 Channel : 8 A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 11:25 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10001.raw
Result File : c:\2700\data2\BP10001.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\EVBDB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1.0000

B SG 4-11-91

EVAL ~~A~~ ON DB 5

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	RF AREA	Height (uV)	RF HEIGHT	Amount ug/ml
1	0.445		480024	1000000	220395	459134	0.4000
2	0.585		85274	1000000	20128	236038	0.0853
3	0,738		44235	1000000	14598	330013	0.0442
4	0.907		2558	1000000	686	346183	0.0026
5	1.019		16215	1000000	5106	314873	0.0162
6	1.213		20991	1000000	8301	395432	0.0210
7	1.326		171908	1000000	60498	351917	0.1719
8	I.628		2476	1000000	865	349358	0.0025
9	1.790		8108	1000000	2289	282366	0.0081
10	2.383		10714	1000000	2251	210118	0.0107
11	3.348		1252	1000000	245	195826	0.0013
12	7.769		5113	1000000	742	145178	0.0051
13	6.074	Aldrin	95119	7609520	13997	1119746	0.0125
14	9.020		553	1000000	101	182235	0.0006
15	11.550	4,4'-DDE	13546	----------	1902	----------	0.0000
16	12.270	Endrin	321265	6425291	45108	902157	0.0500
17	13.024	4,4'-DDD	11778	----------	1306	----------	0.0000
18	13.282	Endrin ald.	3545	----------	430	----------	0.0000
19	13.674		753	1000000	79	104316	0.0008
20	14.487	4,4'-DDT	243169	4863371	26893	536658	0.0500
21	15.782		1418	1000000	106	74550	0.0014
22	16.326	Endrin ketone	9550	----------	861	----------	0.0000
23	19.414		26177	1000000	1627	62158	0.0262
24	20.013	DBC	198377	4408378	11474	255025	0.0450

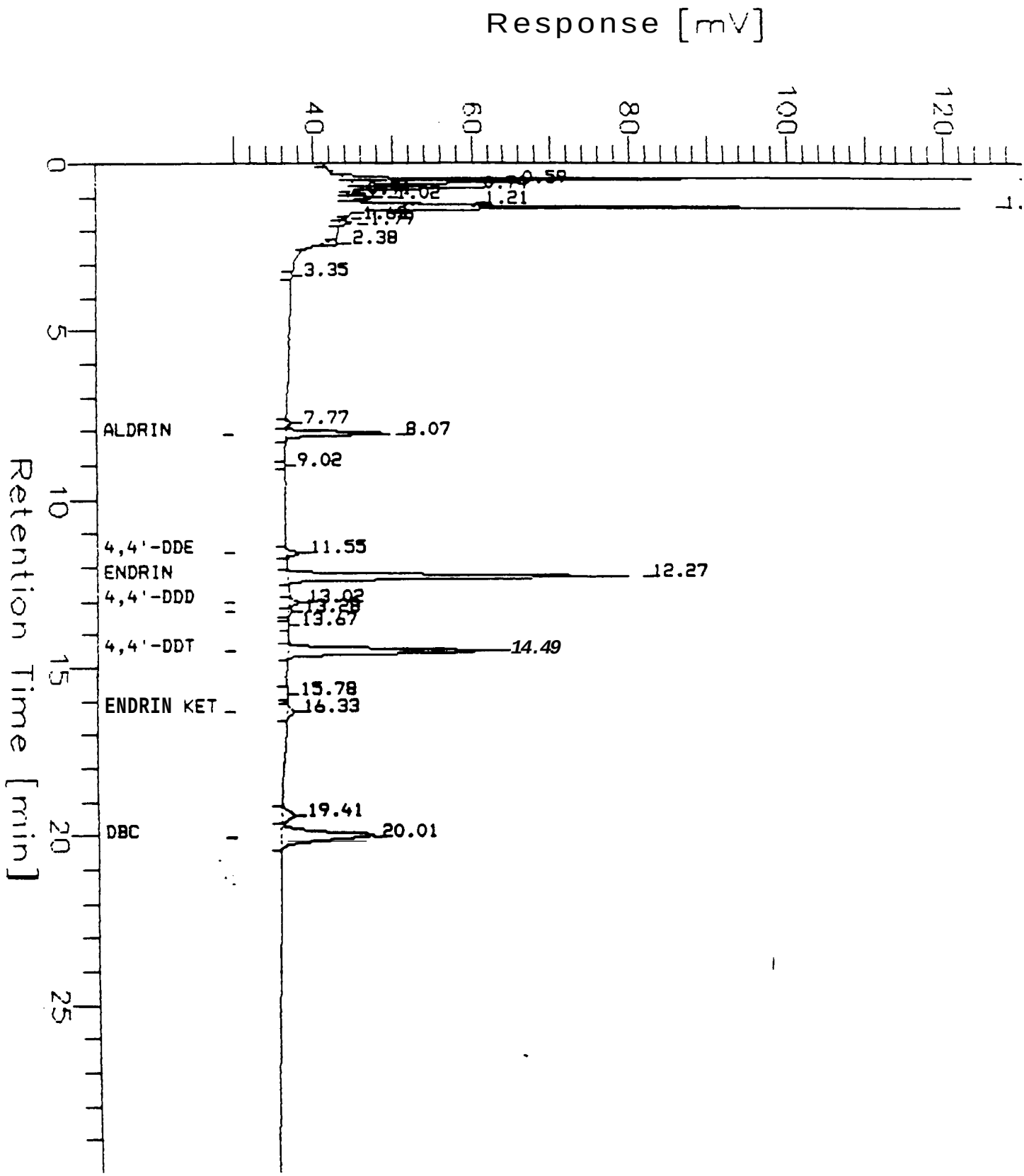
%DB = 5.9

3200705

Chromatogram

000237

FileName : c:\2700\data2\BP10001.raw
Date : 4/11/91 12:38 PM
Page 1 of 1
Start Time : 0.00 tin
End Time : 30.00 tin
Low Point : 29.73 mV
High Point : 129.73 mV
Scale Factor: -1
Plot Offset: 30 mV
Plot Scale: 100 mV



Sample Name : A LOW
Sample Number:
Operator : LSG

Time : 4/11/91 00:02 AM
Study :

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 11:59 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10002.raw
Result File : c:\2700\data2\BP10002.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80ADB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUCIL A FOR DB 5

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.443		3211989	1000000	948613	295344	3.2119
2	1.650		28555	1000000	5	0	0.0286
3	0.736		77449	1000000	24805	320258	3.277:
4	0.945		2154	1000000	1114	517265	0.0022
5	1.074		19351	1000000	3462	178919	0.0194
6	1.150		9856	1000000	3589	364201	0.0099
7	1.212		19813	1000000	6510	328595	0.0198
8	1.325		819370	1000000	215386	262868	0.8194
9	1.624		8200	1000000	1932	235650	0.0082
10	1.770		4902	1000000	1485	302869	0.0049
11	2.162		13789	1000000	398	65126	0.3136
12	2.382		16882	1000000	2-92	165403	0.0169
13	3.199	TCMX	260931	3028660	58340	1795065	0.0325
14	3.752		736	1000000	136	184930	0.0007
15	3.887		2533	1000000	552	217806	0.0025
16	4.889	gamma-BHC	53440	3221606	10127	1558044	0.0065
17	5.952		1257	1000000	249	198158	3.3013
18	6.253		592	1000000	107	180997	0.0006
19	6.774		1066	1000000	212	198923	0.0011
20	6.980	Heptachlor	109214	8785145	17097	1367749	3.0125
21	7.322		2270	1000000	315	94c84	0.0023
22	7.768		3129	1000000	4oc	148478	0.0031
23	8.075	Aldrin	92677	7430186	13764	1131026	0.0125
24	9.392	Hept. Epoxide	95879	7670320	13419	1073503	0.0125

3200706

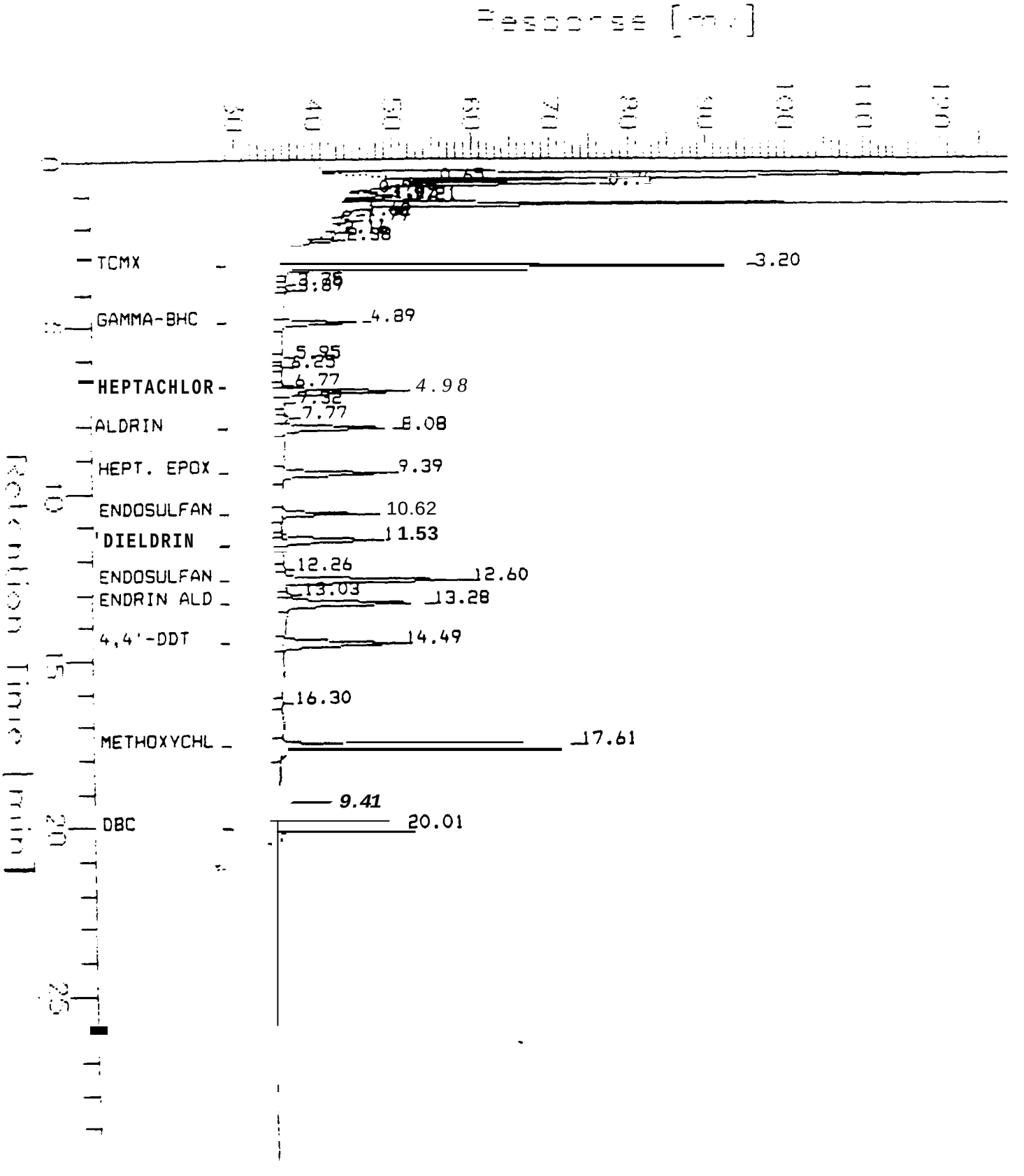
000239

26	11.527	Dieldrin	24804	6784320	11651	932105	0.0125
27	12.258		954	1000000	102	119702	0.0009
28	12.597	Endosulfan II	167190	6687606	22716	908640	0.0250
29	13.089		6070	1000000	706	116336	0.0061
30	13.277	ENDRIN ALDEHYDE	137622	5504863	17413	696513	0.0250
31	14.485	4,4'-DDT	126945	5077813	14181	567330	0.0250
32	15.201		1328	1000000	133	53936	0.0013
33	17.014	Methoxychlor	46653	1353325	3742	273941	0.0250
34	19.410		57496	1000000	4153	61704	0.0675
35	21.013	DBC	263578	-217350	13337	34476	0.0625
			2279255		1703412		4.0255

Chromatogram

000240

FileName : c:\2700\data2\BP10002.raw
Date : 4-11-91 11:55 AM
Page 1 of 1
Start Time : 0.00 min
End Time : 30.00 min
Low Point : 28.87 mV
High Point : 138.37 mV
Scale Factor: -1
Plot Offset: 39 mV
Plot Scale: 100 mV



3200707

Sample Name : A ML
Sample Number :
Operator : LSG

Time : 4/11/91 1:27 AM
Study :

000241

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 12:33 AM
Delay Time : 0.00 min.
End Time : 30.30 min.
Sampling Rate : 2.3000 pts/sec

Raw Data File : c:\2700\data2\BP10003.raw
Result File : c:\2700\data2\BP10003.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80ADB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

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INDIVIDUAL A FOR DB 5

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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount [g/ml]
1	0.443		554558	1000000	245380	442399	0.5547
2	0.583		97301	1000000	27369	236419	0.0973
3	0.673		2598	1000000	1506	579636	0.0026
4	0.735		77556	1000000	25768	323898	0.0776
5	1.071		13751	1000000	2169	159219	0.0138
6	1.149		5073	1000000	2009	394493	0.0051
7	1.218		22690	1000000	6528	287685	0.0227
8	1.325		199885	1000000	46673	233497	0.1999
9	1.574		3049	1000000	672	220479	0.0031
10	1.789		6878	1000000	1787	259742	0.0069
11	1.875		3419	1000000	1140	333348	0.0034
12	2.174		8054	1000000	765	94948	0.0081
13	3.382		20644	1000000	2776	134453	0.0206
14	3.198	TCMX	363114	7413485	31105	1655195	0.0490
15	3.888		3807	1000000	814	213788	0.0038
16	4.441		839	1000000	124	147872	0.0008
17	4.889	gamma-BHC	76753	8079211	14594	1536218	0.0095
18	5.952		1902	1000000	366	192155	0.0019
19	6.731		1912	1000000	351	183695	0.0019
20	6.920	Heptachlor	171497	9270082	26912	1454712	0.0185
21	7.307		2252	1000000	193	85742	0.0023
22	7.767		5000	1000000	759	151730	0.0050
23	8.072	Aldrin	143083	7734217	21484	1161286	0.0185
24	9.017		770	1000000	141	179043	0.0008

25	9.393	Hept. Epoxide	141458	7646393	13961	1078985	0.0185
26	10.144		986	1000000	120	121151	0.0010
27	10.518	Endosulfan I	124399	6724258	17426	941920	0.0185
28	11.527	Dieldrin	129785	7015420	17955	970563	0.0185
29	12.237		901	1000000	123	143523	0.0009
30	12.597	Endosulfan II	333323	6221933	31814	848366	0.0375
31	13.034		5816	1000000	715	137303	0.0052
32	13.276	ENDRIN ALDEHYDE	193774	5167278	25156	671936	0.0375
33	[illegible]	[illegible]	183413	[illegible]	[illegible]	[illegible]	0.0375
34	15.755		2272	1000000	313	[illegible]	0.0023
35	16.231		1993	1000000	134	72065	0.0023
36	16.544		714	1000000	60	33772	0.0007
37	17.517	[illegible]	635745	3657205	51736	375337	0.1375
38	19.416		103323	1000000	6137	59661	0.0033
39	21.083	DBC	387738	4125399	22137	235534	0.0940
			3933625		782363		1.2945

000242

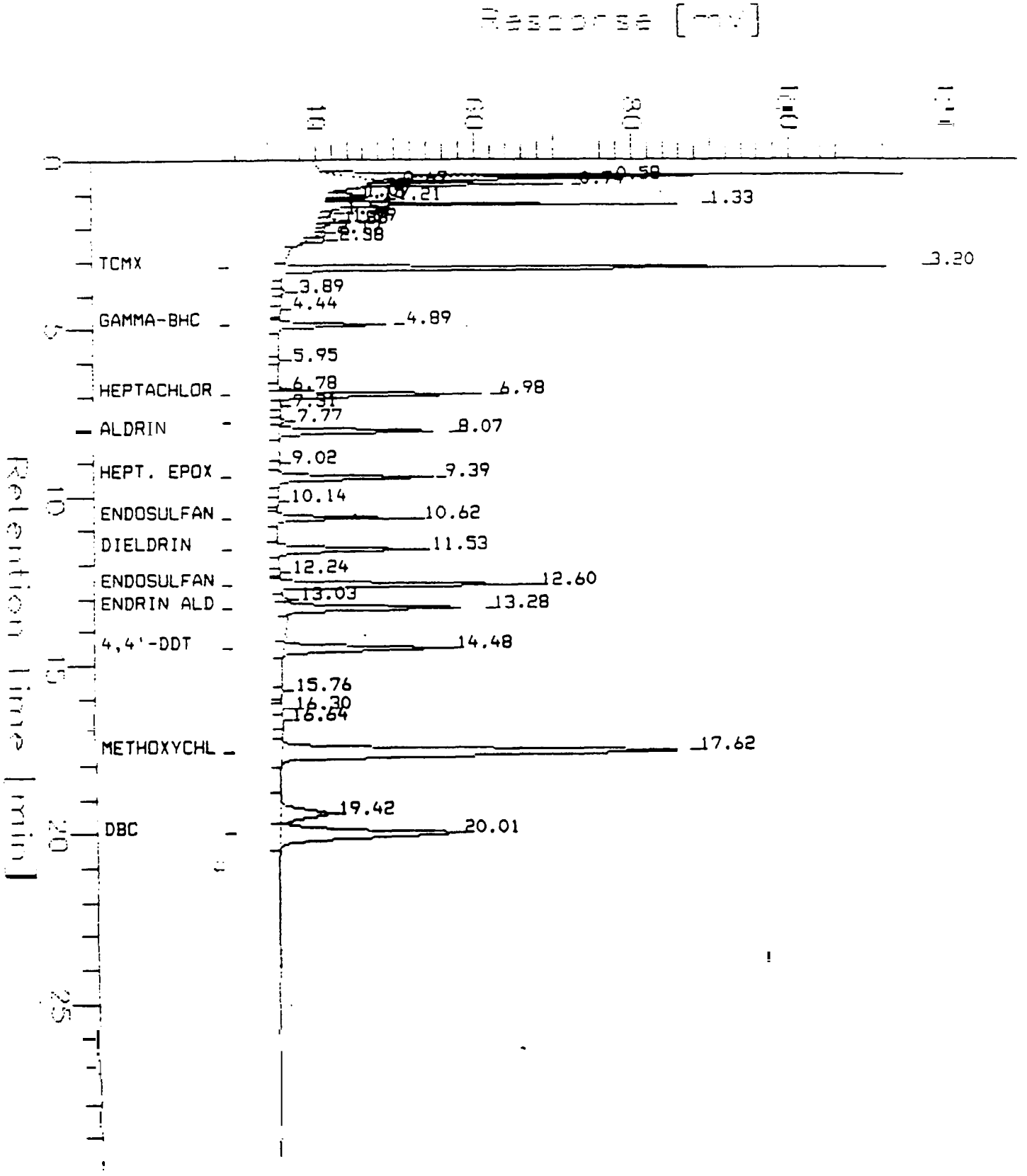
3200708

Chromatogram

000243

FileName : c:\2700\data2\BP10003.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 39 mV

Date : 4/11/91 1:38 AM
Low Point : 23.97 mV
High Point : 135.97 mV
Plot Scale: 100 mV



Sample Name : A MED Time : 4/11/91 2:44 AM
Sample Number: Study :
Operator : LSG

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Pack/Vial : 0/0

Data Acquisition Time: 4/11/31 1:08 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10004.raw
Result File : c:\2700\data2\BP10004.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\BOADB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL A FOR DB 5

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	RF AREA	Height (uV)	RF HEIGHT	Amount ug/ml
1	1.442		3522418	1000000	959481	272393	3.5224
2	0.736		71816	1000000	14617	203530	0.0718
3	1.013		7013	1000000	1688	240762	0.0070
4	1.213		17709	1000000	5238	295765	3,0177
5	1.336		106845	1000000	24991	233098	0.1068
6	1.376		2813	1000000	847	301070	0.0028
7	1.789		5718	1000000	1403	245269	0.0057
8	1.874		6320	1000000	1817	287477	0.0063
9	2.381		8317	1000000	1880	225072	0.0083
10	3.197	TCMX	533162	7898697	118033	1748642	0.0675
11	3.886		5897	1000000	1256	213024	0,0059
12	4.[illegible]		1052	1000000	190	180707	0.0011
13	4.387	gamma-BHC	113594	9087460	21306	1744451	0.0125
14	5.351		3110	1000000	571	183685	0.0031
15	6.779		2851	1000000	514	180126	0.0029
16	6.980	Heptachlor	247929	9917153	38896	1555831	0.0250
17	7.294		1213	1000000	148	122094	0.0012
18	7.765		6647	1000000	952	143173	0.0067
19	8.072	Aldrin	207850	8314018	31227	1249060	3.0250
20	9.014		1313	1000000	303	154305	0.0013
21	9.393	Hept. Epoxide	203886	8155421	29171	1166857	0.0250
22	10.613	Endosulfan I	196808	7552301	26291	1051645	0.0250
23	11.527	Dieldrin	199213	7968521	27596	1103840	3.0250
24	13.254		1186	1000000	155	130864	0.0012

3200700

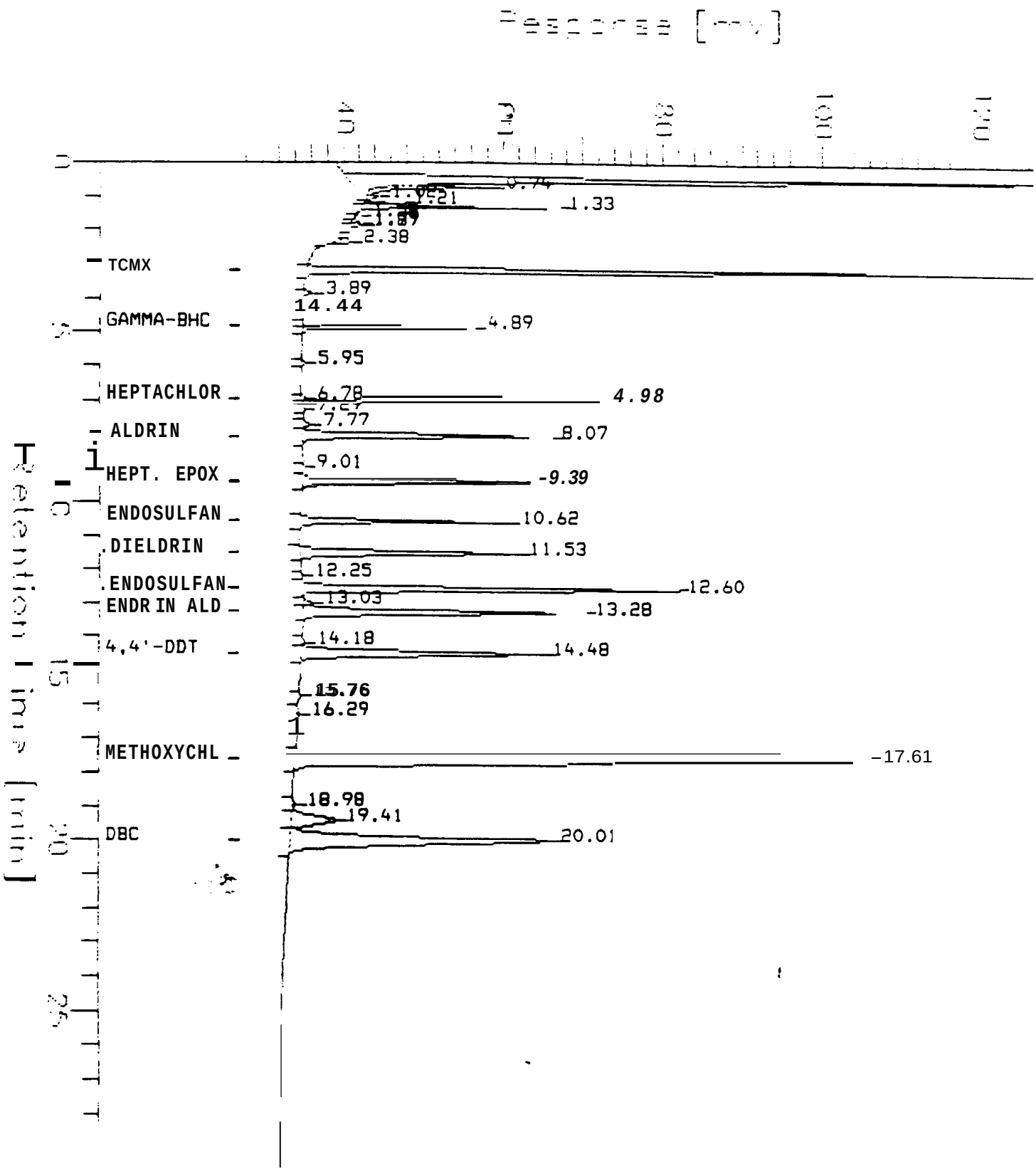
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	13.026		9017	1000000	1150	127584	0.0090
27	13.275	ENDRIN ALDEHYDE	278506	5570124	35262	705245	0.0500
28	14.184		3332	1000000	364	109092	0.0033
29	14.484	4,4'-DDT	271591	5431824	30181	603615	0.0500
30	15.758		3033	1000000	331	92753	0.0030
31	16.337		3431	1000000	374	85493	0.0034
32	17.613	Methoxychlor	357354	3829573	71923	1437713	0.0500
33	18.933		5233	1000000	573	77615	0.0053
34	[illegible]		75802	1000000	5307	[illegible]	0.0758
35	[illegible]	DBC	364564	7316515	39552	[illegible]	[illegible]
			3175831		1334463		0.3321

Chromatogram

000246

FileName : c:\2700\data2\BP10004.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 37 mV

Date : 4/11/91 3:31 AM
Low Point : 37.13 mV
Plot Scale: 100 mV



3200710

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Sample Name : A MH Time : 4/11/91 3:22 AM
Sample Number: Study :
Operator : LSG

Interface # : **2** **Channel** : **B** A/D mV **Range** : **1000**
AutoSampler : **Hewlett-Packard** 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 1:42 AM
Delay Time : **0.00** min.
End **Time** : **30.90** min.
Sampling **Rate** : **2.3000** pts/sec

Raw **Data File** : c:\2700\data2\BP10005.raw
Result File : c:\2700\data2\BP10005.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80ADB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. **Volume** : 1 ul Area **Reject** : **100.00**
Sample Amount : **1.0000**

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INDIVIDUAL A FOR DB 5

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Peak #	Ret Time (min)	Component Name	Area (uV-sec)	RF AREA	Height (uV)	RF HEIGHT	Amount ug/ml
1	0.443		723766	1000000	317535	441490	0.7238
2	0.583		102872	1000000	29594	287679	0.1029
3	0.671		2719	1000000	1555	571917	0.0027
4	0.734		91028	1000000	29710	326380	0.0910
5	1.072		18205	1000000	3066	168384	0.0182
6	1.146		5953	1000000	2297	385891	0.0060
7	1.211		22514	1000000	7036	312530	0.0225
8	1.324		231136	1000000	53599	231893	0.2311
9	1.575		4960	1000000	1314	264859	0.0050
10	1.788		7683	1000000	1857	241713	0.0077
11	1.873		7276	1000000	2332	320459	0.0073
12	2.172		8281	1000000	798	96317	0.0083
13	2.381		20002	1000000	2643	132142	0.0200
14	3.196	TCMX	733066	7515621	161056	1651857	0.0975
15	3.885		8215	1000000	1770	215398	0.0082
16	4.440		1383	1000000	263	190166	0.0014
17	4.886	gamma-BHC	166452	8997383	31986	1728947	0.0185
18	5.950		4218	1000000	790	187305	0.0042
19	6.780		4129	1000000	744	180298	0.0041
20	6.977	Heptachlor	353614	9429693	55558	1481544	0.0375
21	7.764		5304	1000000	811	152850	0.0053
22	8.071	Aldrin	306599	8175970	46051	1229027	0.0375
23	9.002		2011	1000000	398	148233	0.0020
24	9.391	Hept. Epoxide	283865	7729745	41790	1114395	0.0375

000248

25	10.126		1680	1000000	192	114077	0.0017
26	10.616	Endosulfan I	259118	6909813	36449	971961	0.0375
27	11.524	Dieldrin	275393	7343820	38515	1027065	0.0375
28	12.245		1555	1000000	201	129858	0.0016
29	12.593	Endosulfan II	477093	6361240	55502	873356	0.0750
30	13.030		9461	1000000	1288	136188	0.0095
31	13.274	ENDRIN ALDEHYDE	388593	5181233	49497	659963	0.0750
32	14.173		4608	[illegible]	499	[illegible]	0.0046
33	[illegible]	[illegible]	391052	5214033	43652	582071	[illegible]
34	15.757		4543	1000000	434	95424	0.0045
35	[illegible]		4948	[illegible]	417	86342	[illegible]
36	17.512	[illegible]	1336988	3565334	99656	265749	0.3750
37	[illegible]		307580	1000000	18340	58935	0.3075
38	[illegible]	DDE	779734	4153531	45111	240592	0.1875
			7263432		1190107		2.5969

3200711

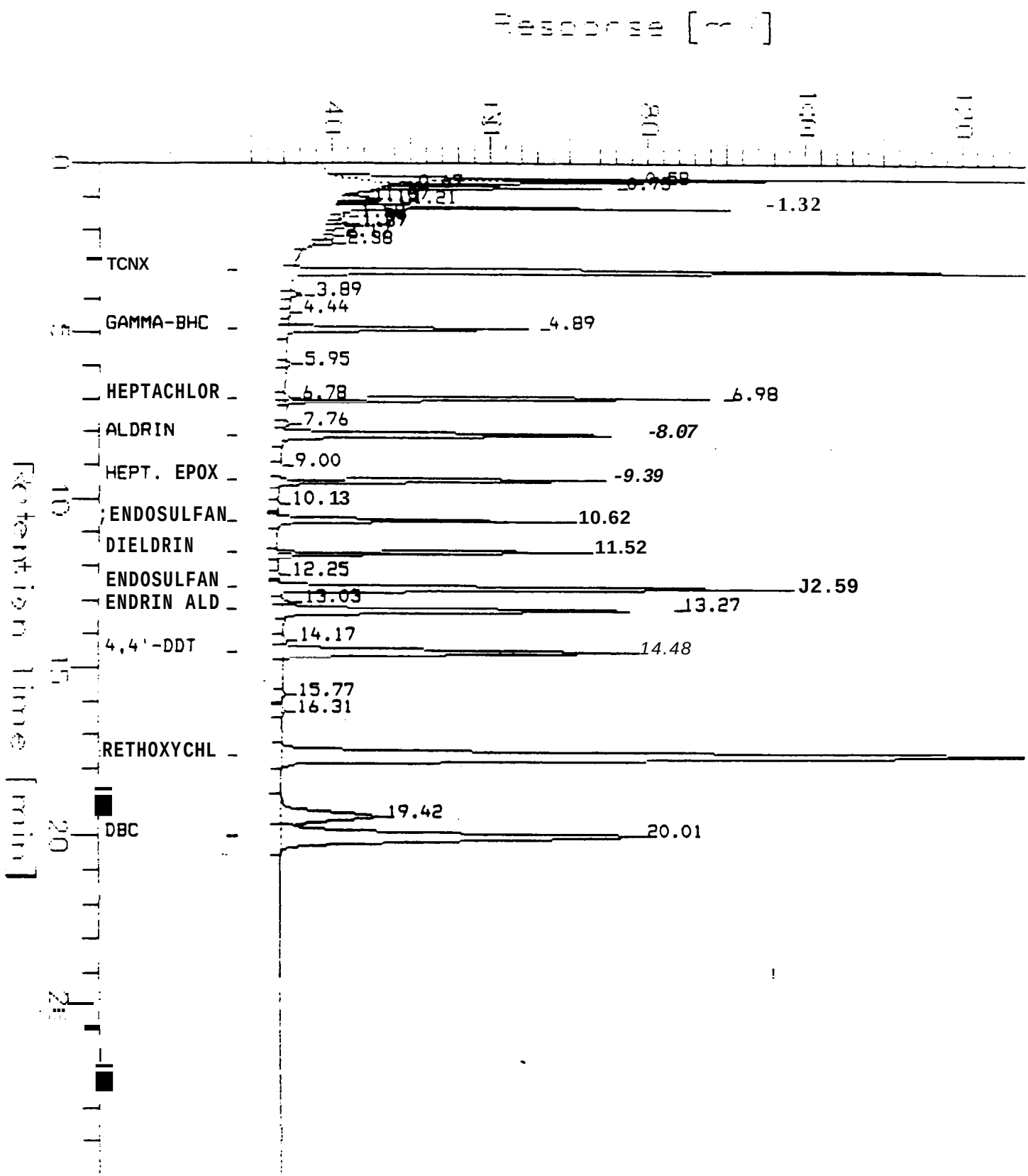
Chromatogram

000249

FileName : c:\2700\data2\BP10005.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 28 mV

Date : 4/11/91 3:32 AM
Low Point : 38.10 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 135.10 mV



Sample Name : A HI
Sample Number:
Operator : LSG

Time : 4/11/91 3:23 AM
Study :

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 2:16 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10006.raw
Result File : c:\2700\data2\BP10006.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80ADB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL A FOR DE 5

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	1.442		4537830	1000000	958934	211331	4.5378
2	1.735		129033	1000000	37171	288073	0.1290
3	1.918		17144	1990000	4026	234835	0.0171
4	1.147		1445	1000000	856	592484	0.0014
5	1.212		12515	1000000	5127	459532	0.0125
6	1.325		160873	1000000	56455	350928	0.1609
	1.575		5925	1000000	1676	292829	0.0059
8	1.727		8370	1000000	1663	198700	0.0084
9	1.874		25507	1000000	3859	151305	0.0255
10	2.171		21047	1000000	1951	89285	0.0210
11	2.381		26980	1000000	3336	123639	0.0270
12	3.196	TCMX	980095	7539191	213729	1644071	0.1300
13	3.365		11582	1000000	2462	212548	0.0116
14	4.062		1080	1000000	215	199261	0.0011
15	4.442		1890	1003009	343	183999	0.3019
16	4.887	gamma-BHC	244791	9791638	47430	1897193	0.0250
17	5.424		952	1030000	180	189423	0.0010
18	5.949		5833	1000000	1097	188072	0.0058
19	6.730		6253	1903003	1093	174794	0.0063
20	6.978	Heptachlor	500033	10000664	77549	1550971	0.0500
21	7.764		5531	1000000	306	145748	0.0055
22	8.072	Aldrin	439334	9786677	66284	1325678	3.0500
23	9.006		3094	1000000	442	142997	9.9031
24	9.390	Hept. Epoxide	427830	8556596	60679	1213572	0.0500

3200712

000251

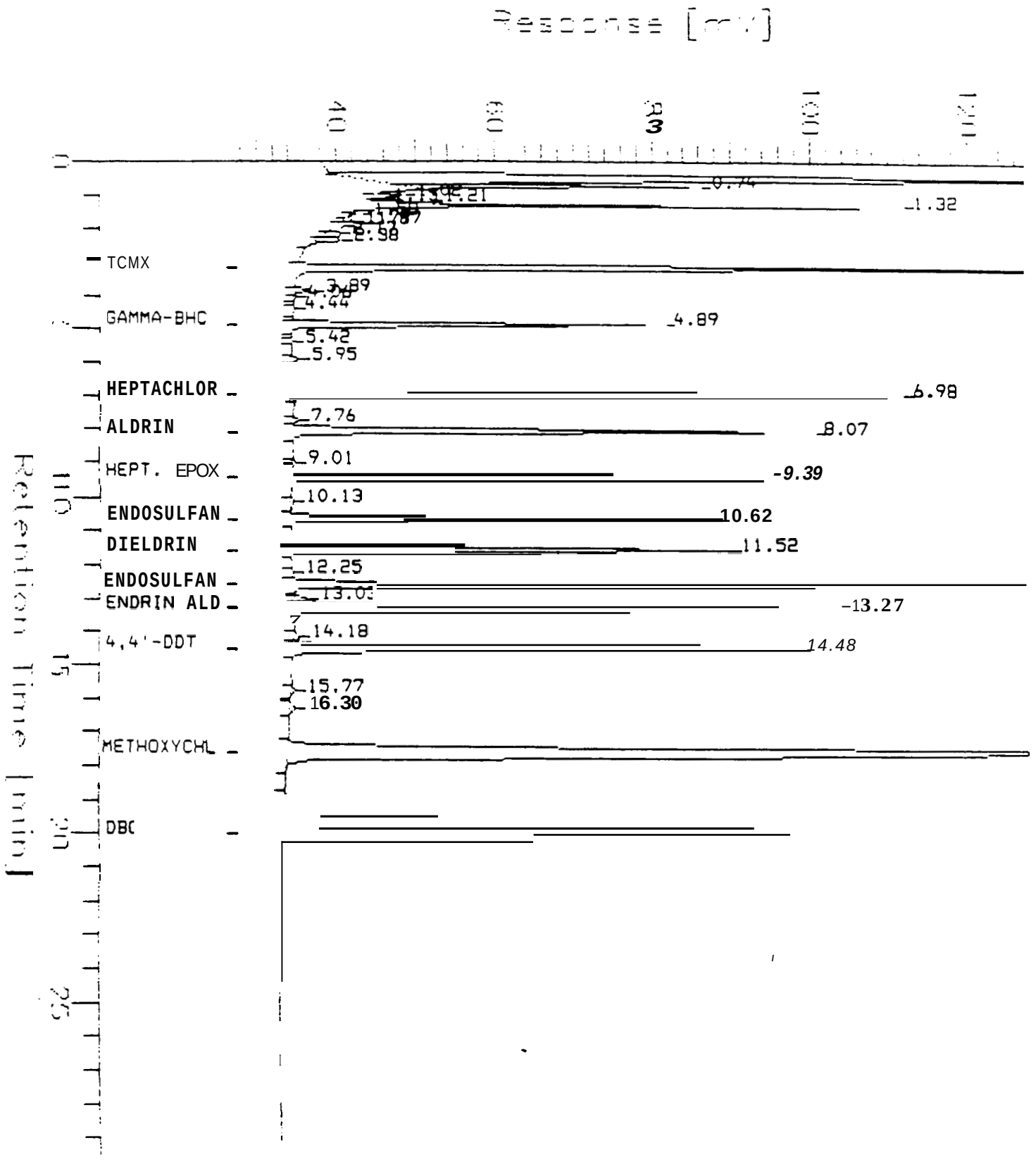
25	10.136		[illegible]	1000000	[illegible]	[illegible]	[illegible]
26	10.616	Endosulfan I	378238	7564751	52820	1056407	0.0500
27	11.523	Dieldrin	403622	8072446	56032	1120642	0.0500
28	12.249		3022	1000000	284	140456	0.0020
29	12.595	Endosulfan II	694219	6942190	95017	950168	0.1000
30	13.031		12910	1000000	1737	135628	0.0128
31	13.274	ENDRIN ALDEHYDE	548572	5485715	68822	688229	0.1000
32	14.179		6645	1000000	697	104907	0.0066
33	14.432	4,4'-DDT	566746	5667455	61535	615350	0.1000
34	15.769		5154	1000000	584	54890	0.0052
35	16.234		7339	1000000	821	82583	0.0073
36	17.698	Methoxychlor	1832602	3665204	135357	271714	0.5000
37	19.426		391535	1000000	17138	53912	0.3915
38	19.991	DBC	1092578	4371511	52529	250114	0.2500
			13423049		2102979		6.7691

Chromatogram

000252

FileName : c:\2700\data2\BP10006.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 23 mV

Date : 4/11/91 3:23 AM
Low Point : 37.61 mV High Point : 137.61 mV
Plot Scale: 100 mV



3200710

Sample Name : B LOW
Sample Number:
Operator : LSG

Time : 4/11/91 4:26 PM
Study :

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 2:51 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10007.raw
Result File : c:\2700\data2\BP10007.rst
Instrument Filer C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80BDB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL B FOR DB 5

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	RF AREA	Height (uV)	RF HEIGHT	Amount ug/ml
I	3.443		615475	1000000	273463	444312	0.6155
2	0.583		94130	1000000	27668	293934	0.0941
3	0.734		63474	1000000	20758	327031	0.0635
4	0,943		1375	1000000	681	495733	0.0014
5	1.072		13657	1000000	2848	208562	0.0137
b	1.144		1699	1000000	898	528608	0,0017
7	1.208		8041	1000000	3018	375294	0.0080
8	1,323		304302	1000000	80149	263386	0.3043
9	1.786		7894	1000000	1871	256457	0.0073
10	2.169		5287	1000000	703	132895	0.0053
11	2.329		56254	1000000	I1662	207313	0.0563
12	2.823		2221	1000000	543	244484	0.0022
13	3,194	TCMX	251269	7731345	56155	1727855	0.0325
14	3.881		4616	1000000	610	132183	0.0046
15	4.064	alpha-BHC	49451	7607885	10068	1548964	0.0065
Ib	4.699	beta-BHC	62308	4984640	11830	946366	0.0125
17	5.495	delta-BHC	53271	4261640	9808	784609	0.0125
18	5.947		1104	1000000	222	201370	0.0011
I?	7.296		2401	1000000	193	80173	0.0024
20	7.765		3869	1000000	568	146804	0.0039
21	9.238		e74	1000000	143	163331	0.0009
22	10.268		2949	1000000	383	130001	0.0030
23	10.616		1061	1000000	154	145087	0.0011
24	11.542	4,4'-DDE	70297	5623740	9755	780415	0.0125

25	12.262	Endrin	70565	5645200	9576	766114	0.0125
26	12.599		1398	1000000	167	119768	0.0014
27	13.011	4,4'-DDD	115976	4639051	16042	641660	0.0250
28	13.685		17420	1000000	2090	120000	0.0174
29	14.204	Endo. sulfate	105445	4217811	11935	477390	0.0250
30	15.766		4321	1000000	185	42779	0.0043
31	16.311	Endrin Ketone	158449	6337971	14768	590703	0.0250
32	19.411		60358	1000000	3646	60405	0.0604
33	20.00')	DBC	269534	4310936	15500	247998	0.0625
			2480042		598059		1.5001

000254

3200714

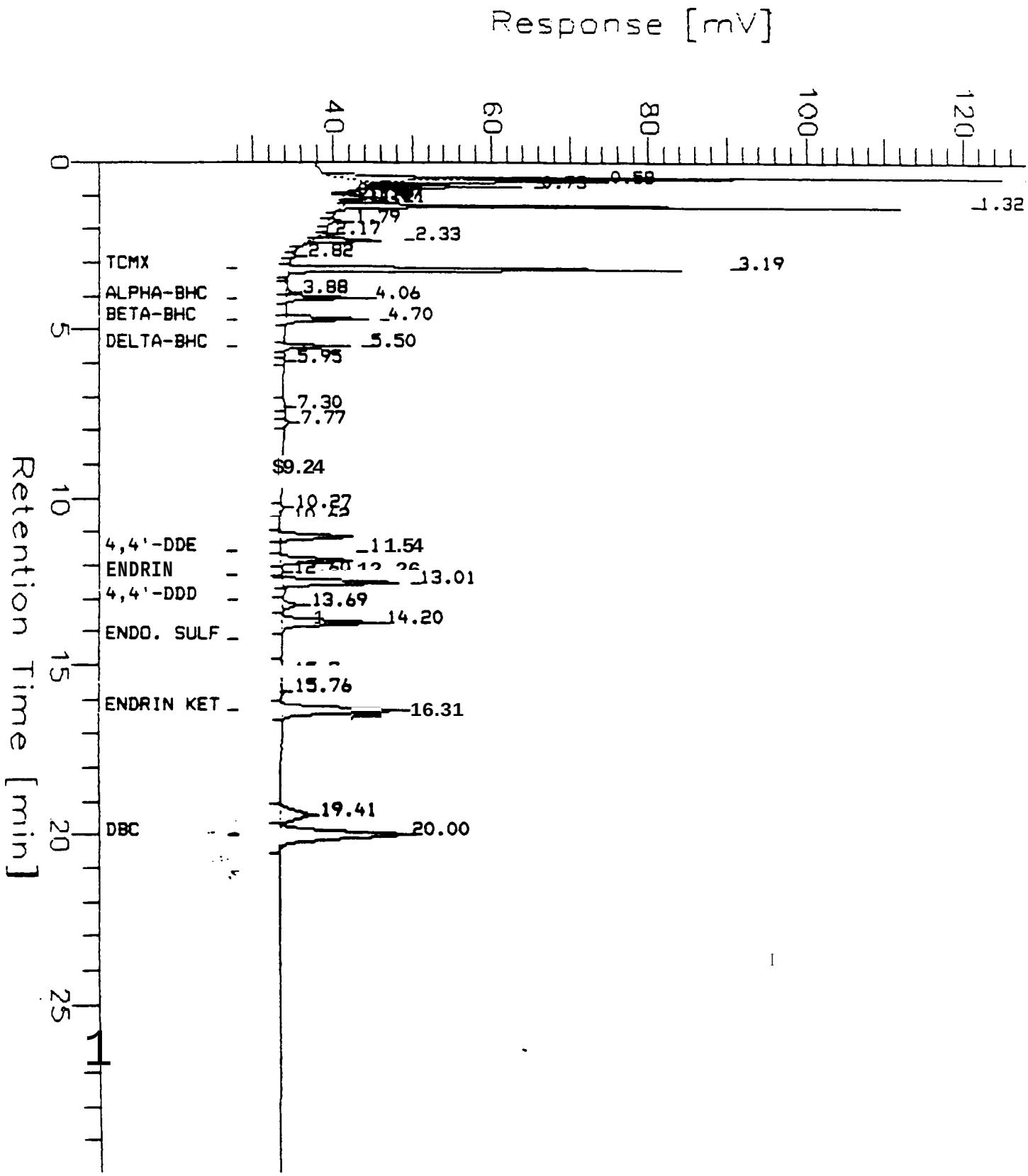
Chromatogram

000255

FileName : c:\2700\data2\BP10007.raw
Start Time : 0.00 rin End Time : 30.00 rin
Scale Factor: -1 Plot Offset: 28 mV

Date : 4/11/91 4:18 AM
Low Point : 27.92 mV
Plot Scale: 100 mV

Hiqh Point : 127.12 mV



Sample Name : B ML
Sample Number :
Operator : LSG

Time : 4/11/91 [illegible] AM
Study :

000256

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 3:25 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10008.raw
Result File : c:\2700\data2\BP10008.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80BDB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL B FOR DB 5

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.443		503218	1000000	218312	433833	0.5032
2	0.583		144700	1000000	35445	244955	0.1447
3	0.734		127150	1000000	28247	222151	0.1272
4	0,943		1321	1000000	625	472900	0.0013
5	1.071		18169	1000000	3404	187347	0.0182
b	1,145		5829	1000000	2277	390669	0.0058
7	1.210		19470	1000000	6111	313869	0.0195
8	1.323		271960	1000000	67239	247238	0.2720
9	1.572		3791	1000000	734	193710	0.0038
10	1.787		8157	1000000	2102	257630	0.0082
11	2.167		5260	1000000	684	130049	0.0053
12	2,331		78599	1000000	18148	230887	0.0786
13	2.826		3453	1000000	825	238822	0.0035
14	3,194	TCMX	389862	7956368	86948	1774450	0.0490
15	3.884		7298	1000000	1019	139551	0.0073
16	4.064	alpha-BHC	76266	8027987	15722	1654947	0.0095
17	4,439		635	1000000	115	180510	0.0006
18	4,700	beta-BHC	96753	5229893	18439	996683	0.0185
19	5,497	delta-BHC	85459	4619416	15906	859761	0.0185
20	5.947		1844	1000000	369	199917	0.0018
21	7.322		1812	1000000	158	86986	0.0018
22	7.761		4950	1000000	698	141005	0.0050
23	9.231		1492	1000000	233	155882	0.0015
24	10.275		4060	1000000	588	144786	0.0041

3200715

25	10.610		1490	1000000	e*	157047	0.0015
26	11.542	4,4'-DDE	110115	5952163	15426	833814	0.0185
27	12.264	Endrin	120753	6527173	16441	888677	0.0185
28	12.592		3636	1000000	359	98707	0.0036
29	13.012	4,4'-DDD	193584	5162250	25888	690312	0.0375
30	13.269		7165	1000000	695	96945	0.0072
31	13.685		32745	1000000	3463	105759	0.0327
32	14.206	Endo. sulfate	164616	4389760	18261	486954	0.0375
33	15.749		1547	1000000	153	99229	0.0018
34	16.312	Endrin Ketone	252750	0743200	23745	633190	0,0375
35	19.407		93428	1000000	5657	60550	0,0934
36	20.005	DBC	415427	4419434	24017	255498	0.0940
			3258960		658700		1.6924

000257

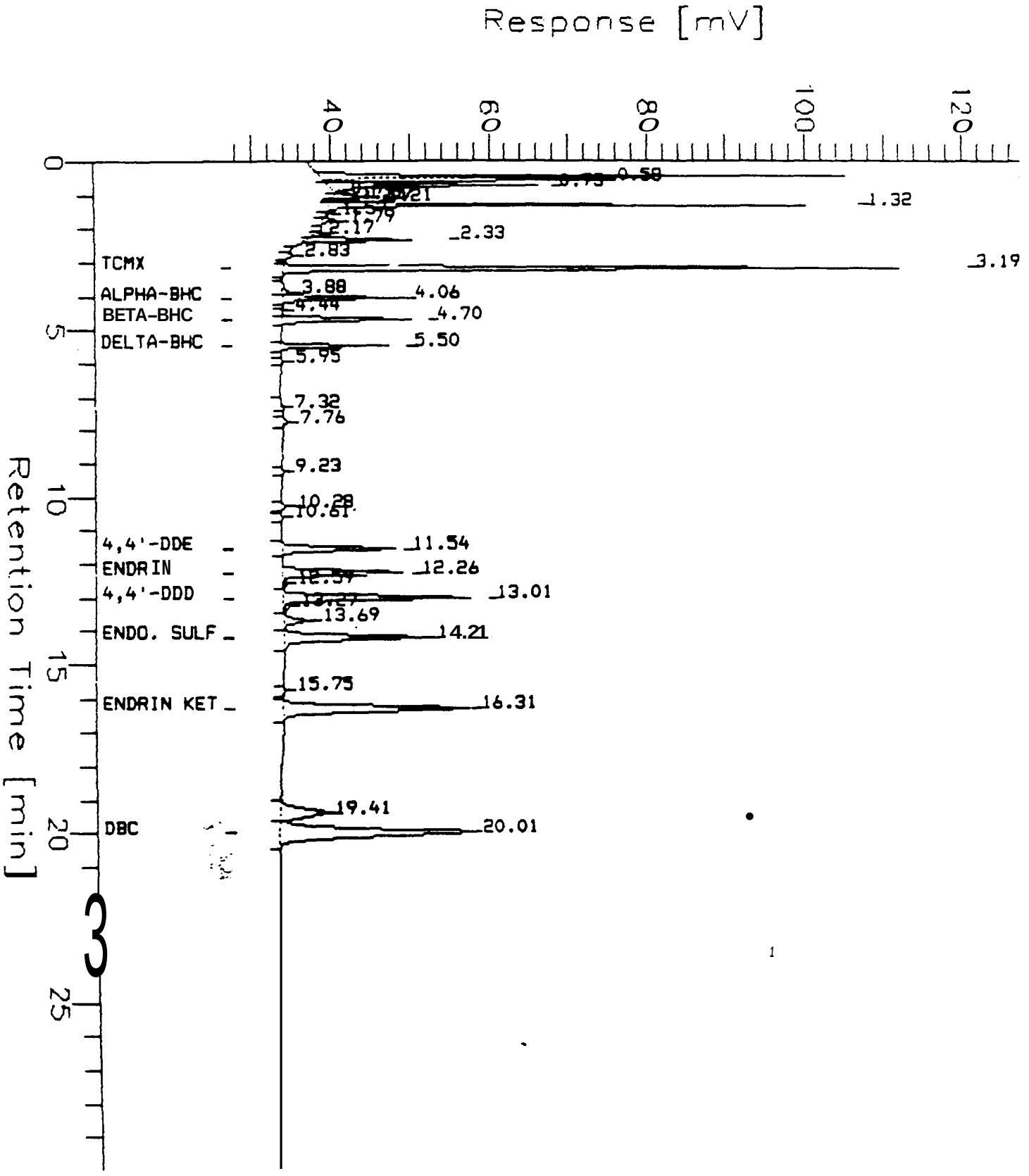
Chromatogram

000258

FileName : c:\2700\data2\BP10008.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 27 mV

Date : 4/11/91 4:19 AM
Low Point : 27.45 mV
Plot Scale: 100 mV

High Point : 127.65 mV



3200713

Sample Name : B MED
Sample Number:
Operator : LSG

Time : 4/11/91 0[illegible] AM
Study :

000259

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlctt-Packard 7673A
Rack/Via1 : 0/0

Data Acquisition Time: 4/11/91 3:59 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10009.raw
Result File : c:\2700\data2\BP10009.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80BDB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL B FOR DB 5

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	AF AREA	Height [uV]	RF HEIGHT	hunt ug/ml
1	0.442		3925077	1000000	961157	244876	3.9231
2	0.673		215767	1000000	57437	266199	0.2158
3	0.731		725566	1000000	178847	246493	0.7256
4	1.016		27406	1000000	7772	283603	0.0274
5	1.148		5180	1000000	2508	484121	0.0052
6	1.208		26936	1000000	11375	422300	0.0269
7	1.321		203083	1000000	73079	359848	0.2031
E	1.565		1352	1000000	567	419251	0,0014
9	1.784		19082	1000000	2232	116947	0.0191
10	2.166		12568	1000000	1552	123465	0.0126
11	2.329		109502	1000000	24900	227394	0.1095
12	2.825		4591	1000000	1105	240601	0.0046
13	3.192	TCMX	536698	8256890	118787	1827490	0.0650
14	3.881		9574	1000000	1375	143605	0.0096
15	4.063	alpha-BHC	111232	8898570	23044	1843512	0.0125
16	4.453		717	1000000	154	214357	0.0007
17	4.697	beta-BHC	137388	5495501	26116	1044633	0.0250
18	5.495	delta-BHC	130078	5203123	24621	984853	0.0250
19	5.703		804	1000000	126	157269	0.0008
20	5.945		27M	1000000	526	190333	0.0028
21	7.285		2118	1000000	184	87015	0.0021
22	7.764		11028	1000000	1569	142233	0.0110
23	9.235		2169	1000000	320	147658	0.0022
24	10.270		6093	1000000	80I	131414	0.0061

25	10.610		1993	1000000	300	150359	0.0020	
26	11.542	4,4'-DDE	158376	6335051	22437	897484	0.0250	
27	12.264	Endrin	160193	6727716	23269	930778	0.0250	000260
28	12.590		3268	1000000	403	123359	0.0033	
29	13.013	4,4'-DDD	266251	5325024	36385	727703	0.0500	
30	13.269		7568	1000000	842	111198	0.0076	
31	13.683		39588	1000000	4483	113232	0.0396	
32	14.207	Endo. sulfate	222801	4456016	25484	509685	0.0500	
33	15.750		2027	1000000	238	102637	0.0020	
34	16.310	Endrin Ketone	350493	7009861	32174	643483	0.0500	
35	19,405		131163	1000000	7859	599I5	0.1312	
36	19.999	DBC	581588	4652705	33565	268523	0.1250	
			8160080		1707561		5.9495	

3200717

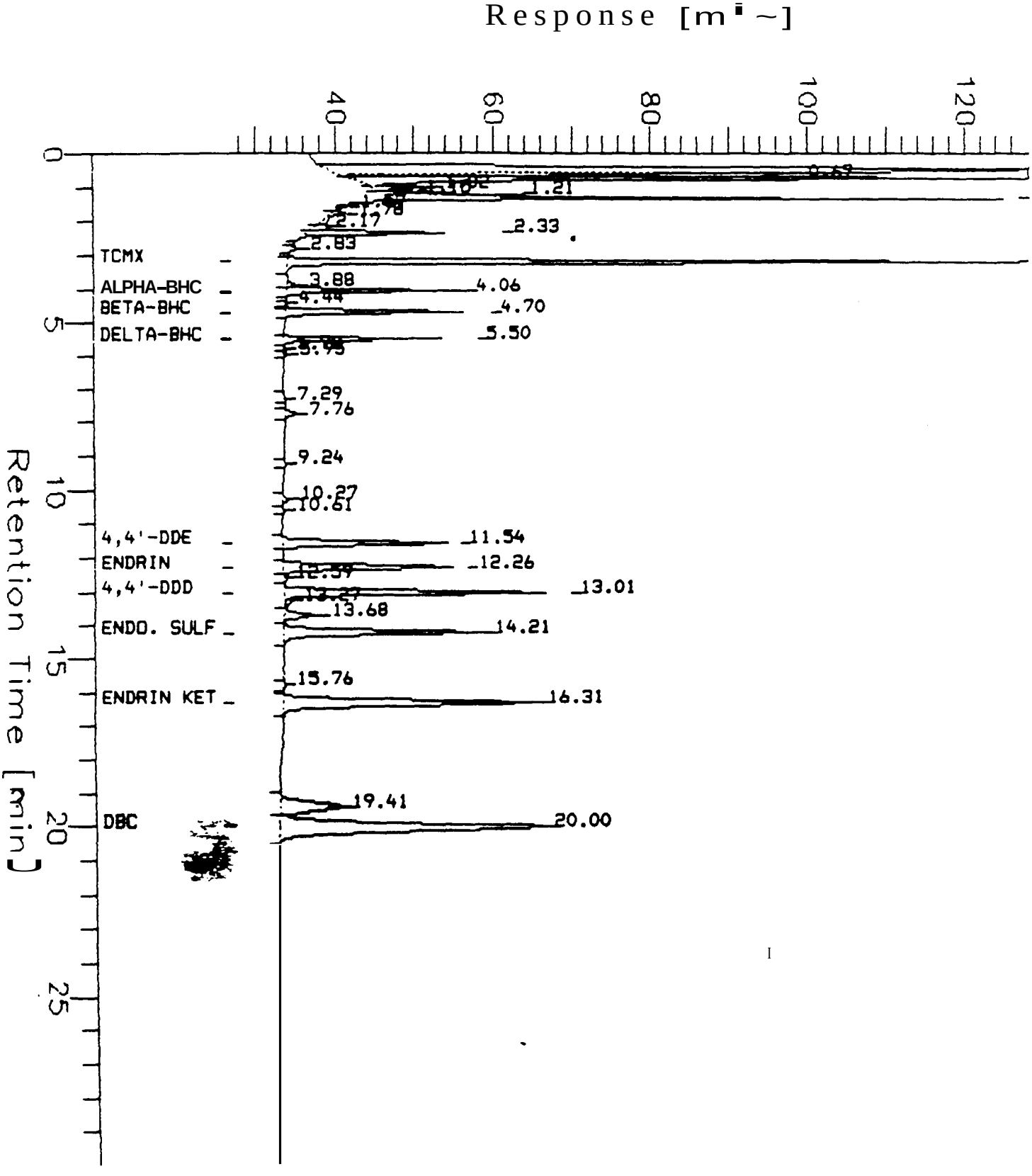
Chromatogram

000261

FileName : c:\2700\data2\BP10009.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 27 mV

Datt : 4/11/91 4:45 AM
Lou Point : 26.80 mV
Plot Scale: 100 mV

High Point : 126.80 cV



Sample Name : B MH
Sample Number:
Operator : LSG

Time : 4/11/91 8:26 AM
Study :

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 4:34 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10010.raw
Result File : c:\2700\data2\BP10010.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80BDB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL B FOR DB 5

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.443		395786	1000000	171148	432426	0.3958
2	0.583		133442	1000000	35580	267381	0.1334
3	0.671		2841	1000000	1568	551713	0.0028
4	0.733		87815	1000000	28547	325081	0.0878
5	0.939		1256	1000000	681	542364	0.0013
6	1.070		16312	1000000	3135	192169	0.0163
7	1.142		1874	1000000	998	532258	0.0019
8	1.208		15946	1000000	5758	361091	0.0160
9	1.322		235731	1000000	58621	248679	0.2357
10	1.572		4702	1000000	1270	270015	0.0047
11	1.786		8510	1000000	1998	234782	0.0085
12	2.173		4567	1000000	699	153026	0.0046
13	2.329		135632	1000000	34878	257148	0.1356
14	2.826		6175	1000000	1580	255790	0.0062
15	3.192	TCMX	744851	7639493	163840	1680405	0.0975
16	3.668		3199	1000000	337	105479	0.0032
17	3.882		10282	1000000	1994	193956	0.0103
18	4.062	alpha-BHC	170887	9237139	35891	1940031	0.0185
19	4.433		1161	1000000	240	206698	9.0012
20	4.697	beta-BHC	195695	5218520	37184	991572	0.0375
21	5,494	delta-BHC	202617	5403123	38683	1031554	0.0375
22	5.798		1043	1000000	165	158251	0.0010
23	5.946		3919	1000000	762	194344	0,0039
24	7.325		2058	1000000	165	80204	0.0021

3200718

000263

26	9.234		3307	1000000	495	149507	0.0033
27	10.271		8427	1000000	1128	133829	0.0084
28	10.112		4178	1000000	548	131226	0.0042
29	11.540	4,4'-DDE	238458	6358887	33627	896726	0.0375
30	12.265	Endrin	247225	6592658	34345	915869	0.0375
31	12.590		4858	1000000	575	118305	0.0049
32	13.012	4,4'-DDD	404860	5398132	56013	746839	0.0750
33	13.270		8711	1000000	1099	126212	0.0087
34	13.606		52331	1000000	6209	118640	0.0523
35	14.204	Endo. sulfate	344211	4589477	38962	519406	0.0750
36	15.767		2729	1000000	279	102040	0.0027
37	16.311	Endrin Ketone	533527	7113693	49461	659485	0.0750
38	19.408		186204	1000000	11173	60002	0.1862
39	20.000	DBC	839354	4476556	48304	257621	0.1875
			5269017		908660		2.0258

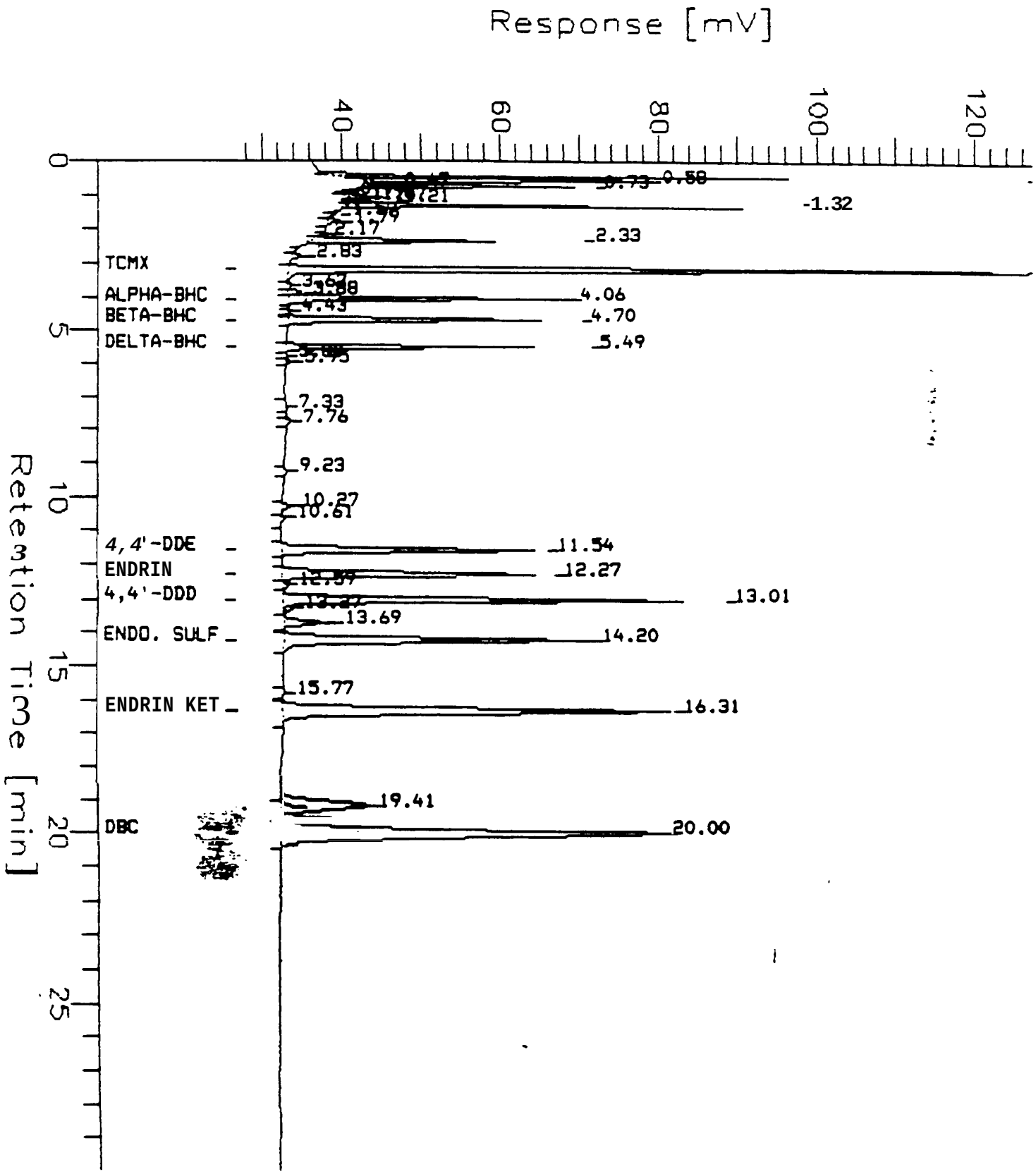
Chromatogram

000264

FileName : c:\2700\data2\BP10010.raw
Start Time : 0.00 ria End Time : 30.00 rin
Scale Factor; -1 Plot Offset: 27 aV

Date : 4/11/91 5:30 AM
Lor Paint : 26.76 aV
Plat Scale: 100 aV

High Point : 126.76 aV



3200713

Sample Name : B HI
Sample Number :
Operator : LSG

Time : 4/11/91 5:50 AM
Study :

Interface # : 2 Channel : 8 A/D mV Range : 1000 000265
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 5:08 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10011.raw
Result File : c:\2700\data2\BP10011.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80BDB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL B FOR DB 5

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	RF AREA	Height (uV)	RF HEIGHT	Amount ug/ml
1	0.442		5255468	1000000	962175	183081	5.2555
2	0.733		197732	1000000	38695	195693	0.1977
3	0.940		5876	1000000	2378	404728	0.0059
4	1.067		26570	1000000	4509	169718	0.0266
5	1.144		7972	1000000	3311	415312	0.0080
6	1.209		24356	1000000	7770	319031	0.0244
7	1.321		610104	1000000	156460	256448	0.6101
8	1.572		9172	1000000	1973	215082	0.0092
9	1.785		22804	1000000	2503	109767	0.0228
10	2.150		13005	1000000	1633	125543	0.0130
11	2.328		194581	1000000	50689	261531	0.1946
12	2.826		9362	1000000	2a9	241256	0.0094
13	3.191	TCMX	1001598	7704601	220127	1693283	0.1300
14	3.881		19548	1000000	2771	141751	0.0196
15	4.062	alpha-BHC	254498	10179936	54008	2160333	0.0250
16	4.436		1612	1000000	326	202459	0.0016
17	4.695	beta-BHC	275240	5504801	52351	1047014	0.0500
18	5.494	delta-BHC	304033	6080668	57972	1151429	0.0500
19	5.801		1156	1000000	211	182321	0.0012
20	5.946		5478	1000000	1056	192771	0.0055
21	7.300		2095	1000000	174	83055	0.0021
22	7.763		3794	1000000	555	146337	0.0038
23	9.231		4545	1000000	686	151005	0.0045
24	10.272		12236	1000000	1595	130378	0.0122

25	10.612		3812	1000000	m	136500	0.0058
26	11.540	4,4'-DDE	346709	6934171	48833	976650	0.0500
27	12.264	Endrin	358762	7175241	49810	996206	0.0500
28	12.588		7156	1000000	858	119896	0.0072
29	13.011	4,4'-DDD	586297	5862970	81276	812761	0.1000
30	13.269		12482	1000000	1580	126574	0.0125
31	13.682		74117	1000000	0645	116638	0.0141
32	14.206	Endo. sulfate	492396	4923960	55648	556479	0.1000
33	15.756		6879	I050000	r35	63300	0.0069
34	16.311	Endrin Ketone	752716	7527155	70234	702335	0.1000
35	17.539		3149	1000000	230	73003	0.0032
36	19.406		260570	1000000	15746	60430	0.2606
37	20.000	DBC	1170543	4b82172	67418	269611	0.2500
			12340420		2027892		7.7026

000266

3200720

Chromatogram

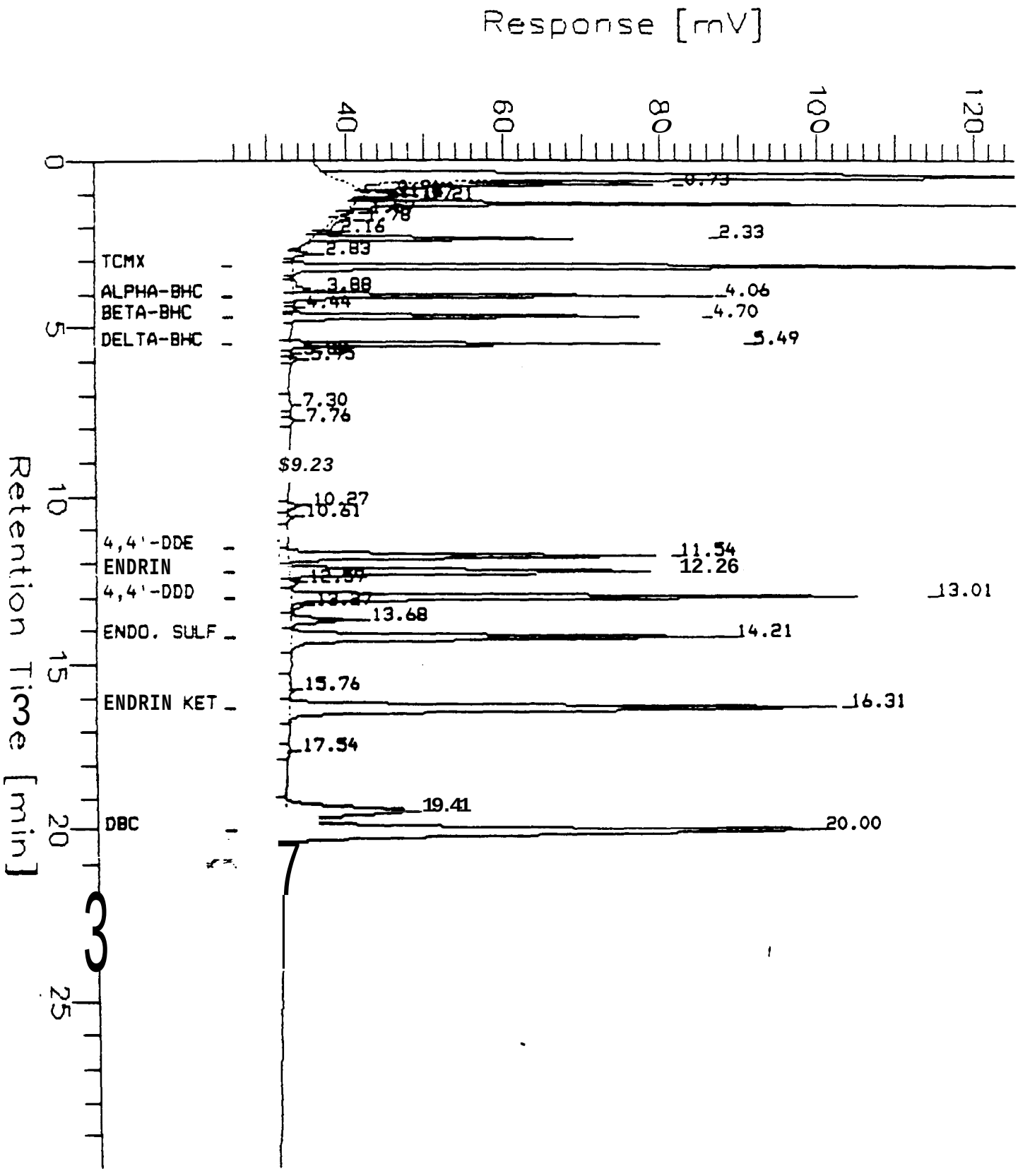
FileName : c:\2700\data2\BP10011.raw
Start Time : 0.00 rin
Scale factor: -1

End Time : 30.00 rin
Plot Offset: 26 mV

Date : 4/11/91 5:51 AM
Loa Point : 25.53 mV
Plot Scale: 100 mV

High Point : 125.53 mV

000267



Sample Name : A MED
Sample Number:
Operator : LSG

Time : 4/11/91 12:02 PM
Study :

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 76736
Rack/Vial : 0/0

000268

Data Acquisition Time: 4/11/91 11:29 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10022.raw
Result File : c:\2700\data2\BP10022.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80ADB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume a 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL A FOR DB 5

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.442		3551922	1000000	965656	271869	3.5519
2	0.733		93208	1000000	16703	179205	0.0932
3	1.011		11070	1000000	2771	250299	0.0111
4	1.209		20526	1000000	6342	308956	0.0205
5	1.321		135887	1000000	30788	226568	0.1359
6	1.572		3032	1000000	833	274732	0.0030
7	1.785		4557	1000000	1070	234783	0.0046
8	1.868		5674	1000000	1685	296982	0.0051
9	2.376		5890	1000000	1303	221187	0.0059
10	3.190	TCMX		8007763	119758	1774185	0.0675
11	3.079		5959	1000000	1281	214953	0.0060
12	4.435		981	1000000	164	167350	0.0010
3	4.879	gamma-BHC	115879	9270320	2 2 m	1782389	0.0125
14	5.418		503	1000000	99	196578	0.0005
15	5.943		3277	1000000	605	184772	0.0033
16	6.773		3051	1000000	528	173129	0.0031
17	6,970	Heptachlor	258848	10353906	40298	1611938	0.0250
18	7.755		3145	1000000	473	150251	0.0031
19	8,013	Aldrin	218413	8736531	32872	1314890	0.0250
20	9,000		1348	1000000	210	155672	0.0014
21	9.384	Hept. Epoxide	216157	8646261	30535	1221386	0.0250
22	10,133		1758	1000000	180	102375	0.0018
23	10.610	Endosulfan I	200212	8008481	27553	1102117	0.0250
24	11.516	Dieldrin	206437	8257471	28531	1141248	0.0250

3200721

26	12.587	Endosulfan II	365122	7302939	50333	1006658	0.0500
27	13.025		6011	1000000	e7I	144914	0.0060
28	13,266	ENDRIN ALDEHYDE	294217	5884343	37035	740693	0.0500
29	14.175		3433	1000000	397	115640	0.0034
30	14.477	4,4'-DDT	286834	5736671	31740	634795	0.0500
31	15.504		2910	I000000	226	77690	3.0029
32	15.750		5512	1000000	410	74444	0.0055
33	16.290		3833	1000000	315	82226	0.M38
34	17.600	Methoxychlor	1025824	4103297	75852	303408	5.2500
35	18.763		1750	1900000	I97	11241I	0.0018
36	19.394		89168	1000000	5663	63510	9.0892
37	19.992	DBC	601899	4815191	31977	279813	0.1250
			8295988		1570688		4.6956

000269

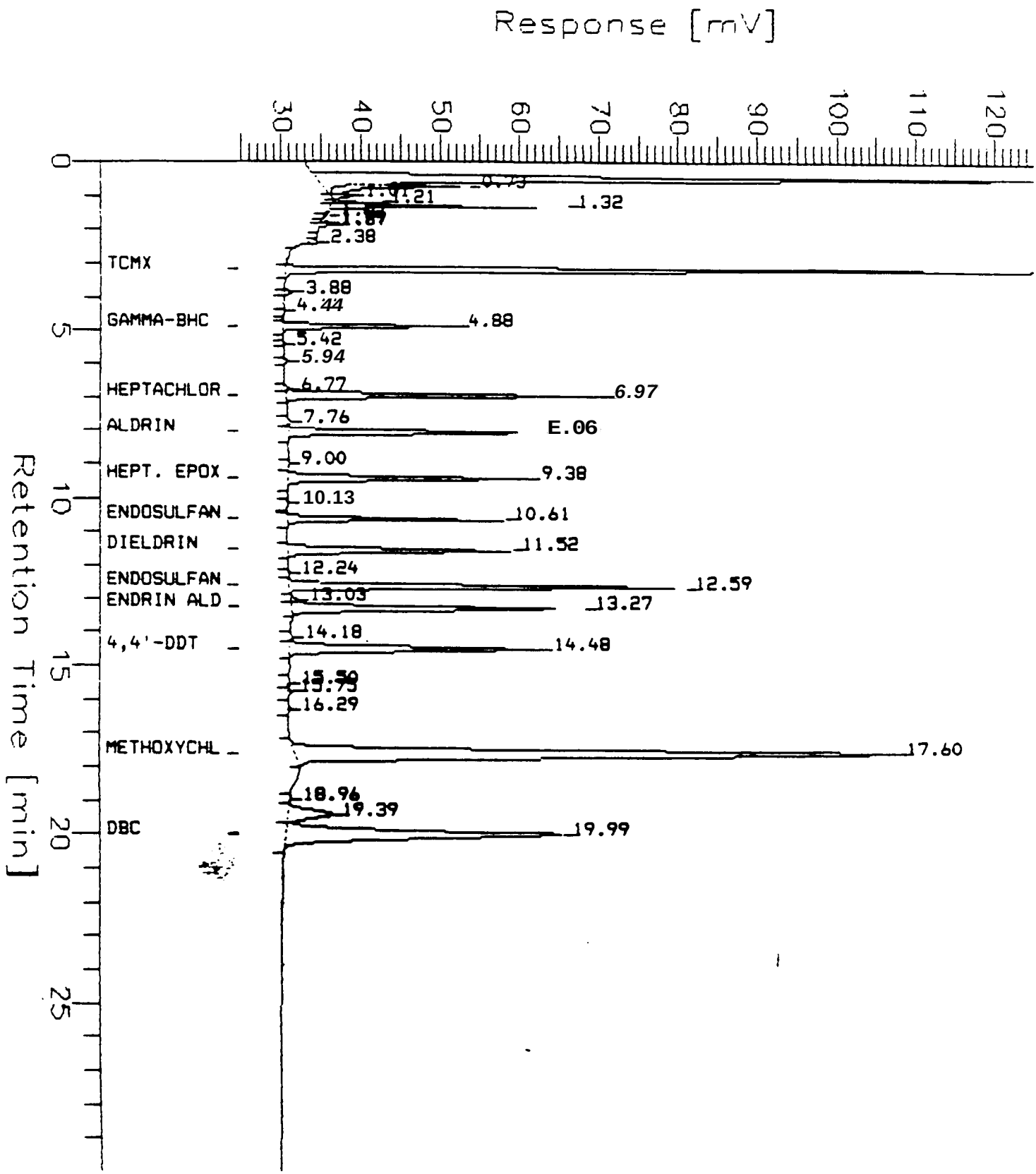
Chromatogram

FileName : C:\2700\data2\BP10022.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 25 mV

Date : 4/11/91 12:02 PM
Low Point : 24.61 mV
Plot Scale: 100 mV

High Point : 124.21 mV

000270



3200722

Sample Name : A MED
Sample Number:
Operator : LSG

Time : 4/11/91 1:42 PM
Study :

000271

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 1:12 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10025.raw
Result File : c:\2700\data2\BP10025.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80ADB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL A FOR DB 5

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.442		3519285	1000000	966156	274532	3.5193
2	0.733		93674	1000000	22990	245431	0.0937
3	1.013		15804	1000000	4839	306195	0.0158
4	1.208		19581	1000000	1960	406506	0.0196
5	1.320		113402	1000000	41674	367488	0.1134
6	1.569		4626	1000000	947	204668	0.0046
7	1.782		3657	1000000	779	212921	0.0037
8	1.867		5058	1000000	1674	330985	0.0051
9	2.375		6026	1000000	1220	202456	0.0060
10	3.189	TCMX	542292	8033955	119710	1773484	0.0675
11	3.878		5953	1000000	1295	217499	0.0060
12	4.430		965	1000000	175	181493	0.0010
13	4.878	gamma-BHC	115587	9246960	22158	1772599	0.0125
14	5.417		443	1000000	80	181456	0.0004
15	5.943		3106	1000000	591	185386	0.0032
16	6.772		3047	1000000	567	186119	0.0031
17	6.971	Heptachlor	259036	10361458	39924	1596950	0.0250
18	7.758		2631	1000000	392	148992	0.0026
19	8.062	Aldrin	218956	8758241	32869	1314710	0.0250
20	9.006		1608	1000000	228	141670	0.0016
21	9.382	Hept. Epoxide	217260	8690401	30834	1233378	0.0250
22	10.129		1728	1000000	179	103287	0.0017
23	10.608	Endosulfan I	203475	8138981	28133	1125300	0.0250
E4	11.516	Dieldrin	213962	8558491	29745	1189792	0.0250

25	12.250		1248	1000000	168	134366	0.0013
26	12.585	Endosulfan II	371168	7423361	51189	1023789	0.0500
27	13.020		6798	1000000	909	133631	0.0068
28	13.265	ENDRIN ALDEHYDE	296727	5934531	37442	748834	0.0500
29	14.164		4262	1000000	466	109342	0.0043
30	14.473	4,4'-DDT	290594	5811888	32325	646489	0.0500
31	15.054		773	1000000	131	130340	0.0008
32	15.460		1494	1300000	121	81300	0.0015
33	15.751		4517	1000000	374	82814	0.0045
34	16.288		4337	1000000	346	79851	0.0043
35	17.597	Methoxychlor	1030898	4123592	77075	308302	0.2500
36	18.783		5858	1000000	462	78845	0.0059
37	19.395		104449	1000000	6263	59963	5.1045
38	19.997	DBC	622938	4983504	35904	287232	0.1250
			8317299		1598262		4.6644

000272

3200720

Chromacogram

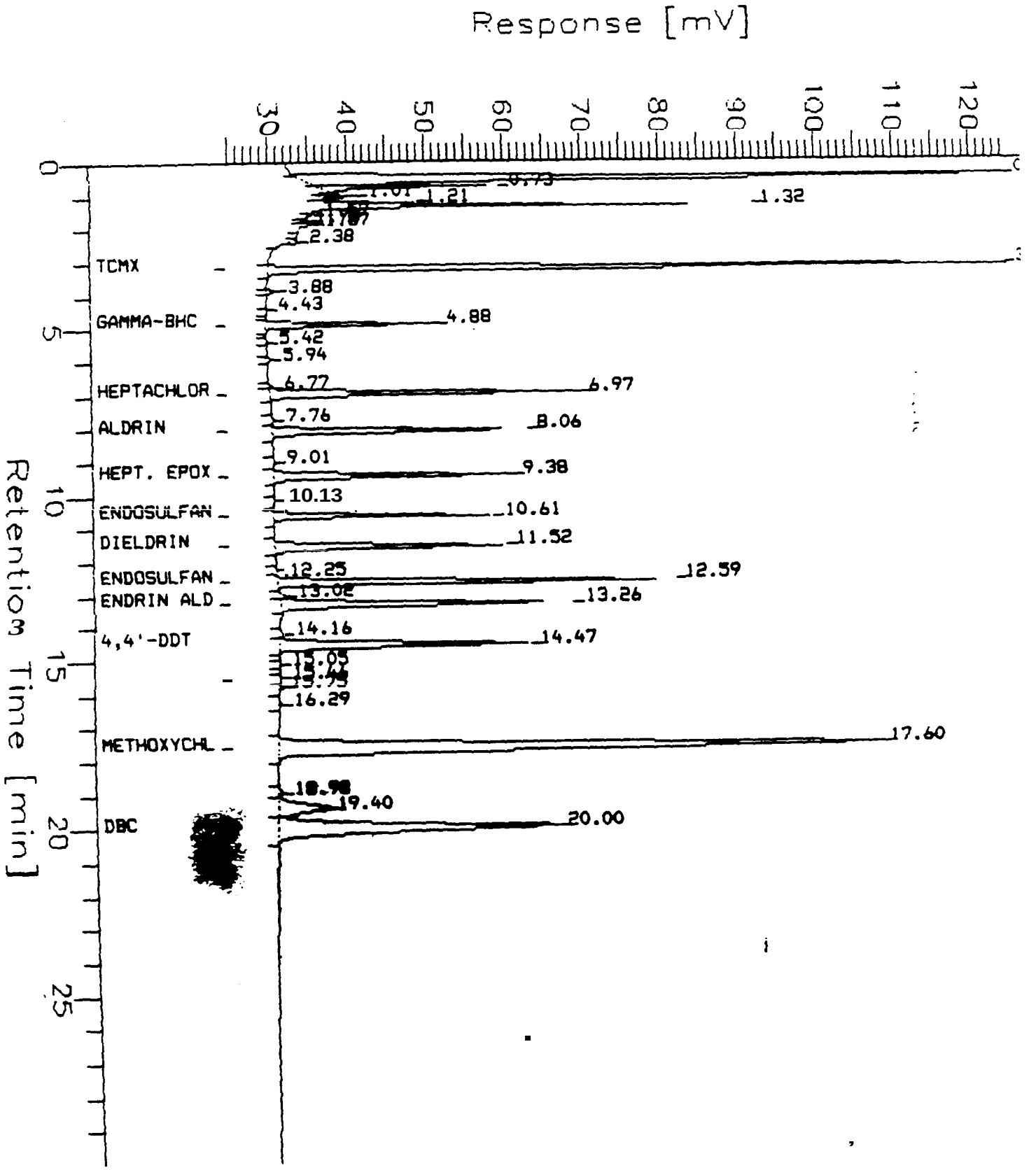
000273

FileName : c:\2700\data2\BP10025.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 24 mV

Date : 4/11/91 1:42 PM
Low Point : 24.38 mV
Plot Scale: 100 mV

High Point : 124.38 mV



Sample Name : B MED
Sample Number:
Operator : LSG

Time : 4/11/91 2:31 PM
Study :

000274

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 1:46 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10026.raw
Result File : c:\2700\data2\BP10026.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\80BDB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL B FOR DB 5

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.442		3172764	1000000	966346	304576	3.1728
2	0.669		45510	1000000	11108	244075	0.0455
3	0.732		166460	1000000	46146	277219	0.1665
4	1.012		16653	1000000	5640	338693	0.0167
5	1.207		17722	1000000	6956	392522	0.0177
b	1.320		123453	1000000	45100	365321	0.1235
1	1.626		2127	1000000	743	349347	0.0021
8	1.784		7798	1000000	2279	292308	0.0078
9	2.326		[illegible]	1000000	22052	260642	0.0846
10	2.822		4099	1000000	1110	2 7 m	0.0041
11	3.660		1171	1000000	153	130560	0.0812
12	4.059	alpha-[illegible]	116522	9330540	24401	1952100	0.018
13	4.693	beta-[illegible]	[illegible]	5577961	26131	1045231	0.0250
14	5.490	delta-[illegible]	133179	5327171	25153	1006109	0.0250
15	6.096		778	1000000	118	151571	0.0008
16	7.313		1404	1000000	W	70613	0.0014
17	7.760		7096	1000000	1024	144615	0.0071
18	9.228		2241	1000000	327	145846	0.0022
19	10.196		217181	1000000	29046	133740	0.2172
20	10.726		211303	1000000	28868	136617	0.2113
21	11.536	4,4'-DDE	144320	5772801	20208	808334	0.0250
22	12.257	Endrin	158374	6334951	21630	865196	0.0250
23	12.584		3548	1000000	435	122467	0.0036
24	13.004	4,4'-DDD	262513	5250253	35367	707336	0.0500

3200724

26	13.679		38188	1000000	4359	114150	0.0382
27	14.198	Endo. sulfate	236097	4721946	26471	529428	0.0500
28	15.758		20450	1000000	662	32378	0.0205
29	16.302	Endrin Ketone	378924	7578476	34684	693673	0.0500
30	17.500		1120	1000000	91	81376	0.0011
31	19.396		95388	1000000	5746	60235	0.0954
32	19.988	DBC	577759	4622068	33228	265821	0.1250
			6396852		1426677		4.6371

000275

Chromatogram

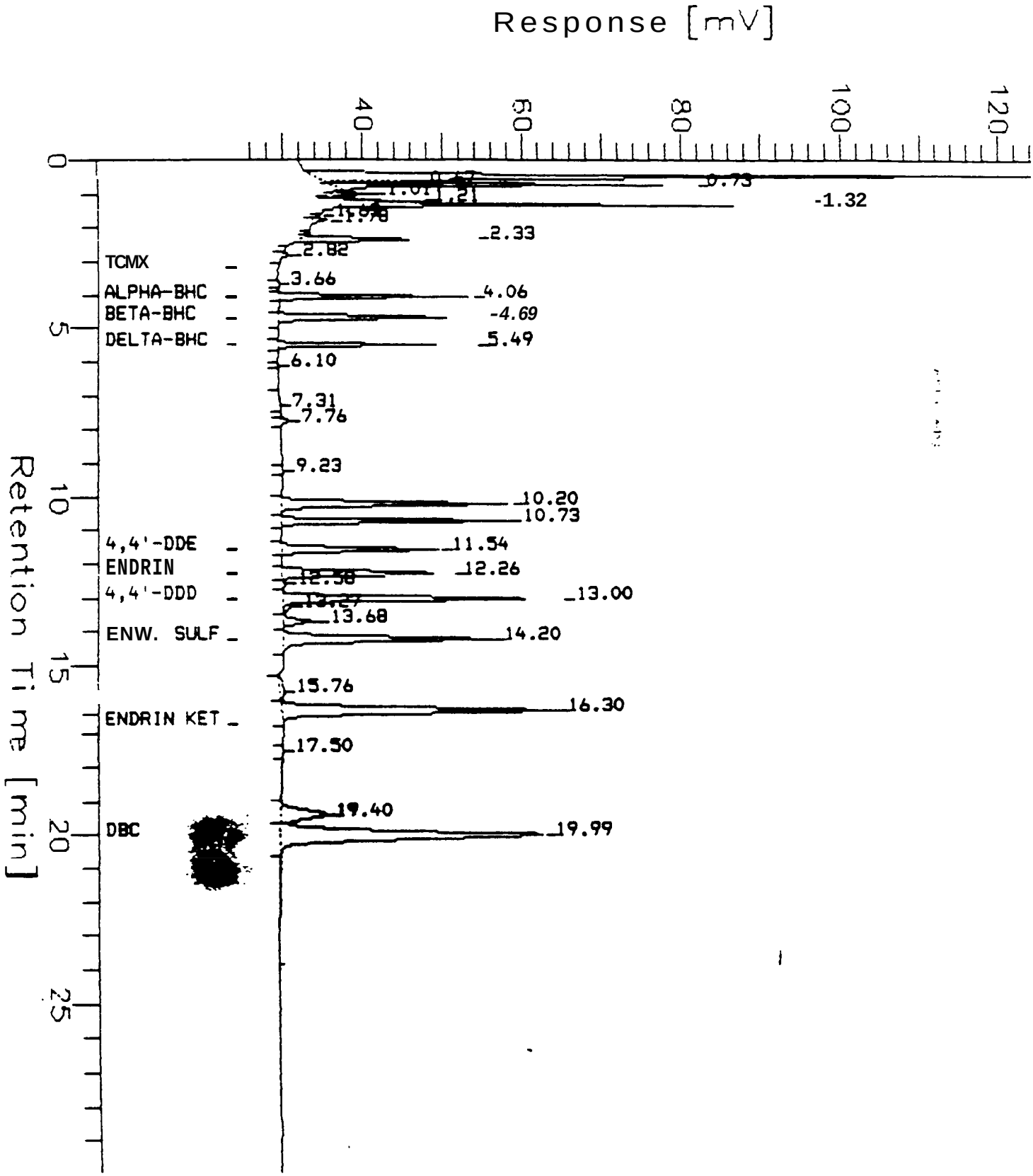
000276

FileName : c:\2700\data2\BP10026.raw
Start Time : 0.00 min
Scale Factor: -1

End Tin : 30.00 rin
Plot Offset: 24 mV

Date : 4/11/91 2:31 PM
Lon Point : 24.14 mV
Plot Scale: 100 mV

High Point : 124.14 mV



3200725

By [illegible] Date [illegible] RETENTION TIME WINDOW Sheet No. 000277 of [illegible]

Chkd. By [illegible] Date [illegible] HP5890 768 - DB5 Proj. No. 58906B03

COMPOUND	$\bar{X}$	σ	3σ	RETENTION TIME WINDOW
α-BHC	4.06	.7.5% $\bar{X}$ →	0.03	4.03 - 4.09
β-BHC	4.70	.7.5% $\bar{X}$ →	0.04	~~4.66 - 4.74~~
γ-BHC	4.89	.7.5% $\bar{X}$ →	0.04	4.85 - 4.93
δ-BHC	5.50	.7.5% $\bar{X}$ →	0.04	5.46 - 5.54 LM 4-11-91
HEPTACHLOR	6.98	0.0058	0.02	6.96 - 7.00
ALDRIN	8.08	.7.5% $\bar{X}$ →	0.06	8.02 - 8.14
HEPTACHLOR EPOXIDE	9.39	.7.5% $\bar{X}$ →	0.07	9.32 - 9.46
γ-CHLORDANE		.7.5% $\bar{X}$ →		
ENDOSULFAN I	10.62	0.0058	0.02	10.60 - 10.64
α-CHLORDANE		.7.5% $\bar{X}$ →		
4,4'-DDE	11.54	0.0058	0.02	11.52 - 11.56
DIELDRIN	11.53	0.0058	0.02	11.51 - 11.55
ENDRIN	12.26	.7.5% $\bar{X}$ →	0.09	12.17 - 12.35
ENDOSULFAN II	12.60	.7.5% $\bar{X}$ →	0.09	12.51 - 12.69
4,4'-DDD	13.01	.7.5% $\bar{X}$ →	0.10	12.91 - 13.11
ENDRIN ALDEHYDE	13.28	.7.5% $\bar{X}$ →	0.10	13.18 - 13.38
ENDOSULFAN SULFATE	14.20	0.0058	0.02	14.18 - 14.22
4,4'-DDT	14.48	.7.5% $\bar{X}$ →	0.11	14.37 - 14.59
ENDRIN KETONE	16.31	0.0058	0.02	16.29 - 16.33
METHOXYCHLOR	17.61	.7.5% $\bar{X}$ →	~~0.13~~	~~17.48 - 17.74~~
DBC	20.01	1.5% $\bar{X}$ →	0.30	19.71 - 20.31
TOXAPHENE		0.01	0.03	
Aroclor 1016		.7.5% $\bar{X}$ →		
Aroclor 1221		0.0058	0.02	
Aroclor 1232		0.0058	0.02	
Aroclor 1242		0.0058	0.02	
Aroclor 1248		.7.5% $\bar{X}$ →		
Aroclor 1254		0.0058	0.02	
Aroclor 1260		.7.5% $\bar{X}$ →		

TCMX

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10002	11:59 PM	4/10/91	3.20	58340	1795965	260931	8033660
BP10003	12:33 AM	4/11/91	3.20	81105	1655195	363114	7410-85
BP10004	1:08 AM	4/11/91	3.20	118033	1748642	533162	7893697
BP10005	1:42 AM	4/11/91	3.20	161056	1651857	733066	7518621
BP10006	2:16 AM	4/11/91	3.20	213729	1644071	980095	7539191
Averages			3.20	126453	1698966	574074	7679131
XRSD			0.05	49.36	4.04	50.36	3.49

gamma-BHC

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10002	11:59 PM	4/10/91	4.89	10127	1558944	53440	8221606
BP10003	12:33 AM	4/11/91	4.89	14574	1536218	75753	8079211
BP10004	1:08 AM	4/11/91	4.89	21806	1744451	113594	9087480
BP10005	1:42 AM	4/11/91	4.89	31986	1726947	166452	8997383
BP10006	2:16 AM	4/11/91	4.89	47430	1897193	244791	9791632
Averages			4.89	25189	1692970	131006	8635464
XRSD			0.03	59.27	8.78	58.47	7.91

Heptachlor

File Name	Tire Of Injection	Date Of Injection	Fet. Tire	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10002	11:59 PM	4/10/91	6.98	17097	1367749	109814	8785145
BP10003	12:33 AM	4/11/91	6.98	26912	1454712	171497	9270082
BP10004	1:08 AH	4/11/91	6.98	38896	1555831	247929	9917153
BP10005	1:42 AM	4/11/91	6.98	55558	1481544	353614	9429693
BP10006	2:16 AM	4/11/91	b.98	77549	1550971	500033	10000664
Averages			b.38	43202	1482161	276577	94am7
XESD			0.02	55.48	5.23	55.88	5.25

Aldrin

File Name	Tire Of Injection	Date Of Injection	Set. Tire	Height	RESPONSE FACTOR (RF) HEIGHT	Aiea	RESPONSE FACTOR (RF) AREA
BP10002	11:59 PM	4/10/91	8.08	13764	1101086	92877	7430186
BP10003	12:33 AM	4/11/91	8.07	21484	1161286	143093	7734217
BP10004	1:08 AM	4/11/91	8.07	31227	1249060	207850	8314018
BP10005	1:42 AM	4/11/91	8.07	46051	1229027	306599	8175970
BP10006	2:16 AM	4/11/91	8.07	66284	1325678	439334	8786677
Averages			8.07	35762	1213027	237949	8088214
XRSD			0.02	58.42	7.07	58.01	6.50

Hept. Epoxide

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10002	11:59 PM	4/10/91	9.39	13419	1073503	95879	7670320

BP10003	12:33 AM	4/11/91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
BP10004	1:08 AM	4/11/91	9.39	29171	1166857	303886	8155421
BP10005	1:42 AM	4/11/91	9.39	41790	1114395	299865	7729745
BP10006	2:16 AM	4/11/91	9.39	66679	1213572	427930	8556596
Averages			9.39	33004	1137462	251784	7951695
XRSD			0.01	56.92	5.31	56.75	4.99

000279

Endosulfan I

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10002	11:59 PM	4/10/91	10.62	11344	907511	33589	6607139
BP10003	12:33 AM	4/11/91	10.62	17426	941920	194399	6734353
BP10004	1:08 AM	4/11/91	10.62	36291	1051645	193898	7552301
BP10005	1:42 AM	4/11/91	10.62	36447	971961	259113	6909813
BP10006	2:16 AM	4/11/91	10.62	53329	1056407	373238	7564751
Averages			10.62	33886	935889	306630	7071549
XRSD			0.01	56.32	6.72	56.53	6.47

Dieldrin

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10002	11:59 PM	4/10/91	11.53	11651	932105	84804	6734320
BP10003	12:33 AM	4/11/91	11.53	17955	970563	199785	7015420
BP10004	1:08 AM	4/11/91	11.53	27596	1103840	177213	7968521
BP10005	1:42 AM	4/11/91	11.52	33515	1027065	275393	7343920
BP10006	2:16 AM	4/11/91	11.52	56032	1120642	403822	8072446
Averages			11.53	30350	1030843	218564	7436905
XRSD			0.01	57.[illegible]	7.94	57.70	7.66

Endosulfan II

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10002	11:59 PM	4/10/91	12.60	22716	908640	167199	6687606
BP10003	12:33 AM	4/11/91	12.60	31314	848366	233323	6221933
BP10004	1:08 AM	4/11/91	12.60	47265	945300	346637	6932741
BP10005	1:42 AM	4/11/91	12.59	65502	973356	477093	6261240
BP10006	2:16 AM	4/11/91	12.60	95017	950168	694219	6942190
Averages			12.60	52463	905166	383692	6628142
XRSD			0.01	54.91	4.91	54.67	4.75

ENDRIN ALDEHYDE

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10002	11:59 PM	4/10/91	13.28	17413	696513	137322	5504863
BP10003	12:33 AM	4/11/91	13.28	25156	670836	193774	5167298
BP10004	1:08 AM	4/11/91	13.28	35262	705245	273506	5570124
BP10005	1:42 AM	4/11/91	13.27	49497	659963	388593	5181233
BP10006	2:16 AM	4/11/91	13.27	68822	688220	548572	5485715
Averages			13.28	39230	684155	309413	5351847
XRSD			0.01	52.10	3.71	52.94	3.57

000280

4,4'-DDT

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
SP10002	11:59 PM	4/10/91	14.49	14181	567230	126945	5077818
SP10003	12:33 AM	4/11/91	14.48	20665	551064	132419	4864507
SP10004	1:08 AM	4/11/91	14.48	30181	603615	271591	5431824
SP10005	1:42 AM	4/11/91	14.48	43655	582071	391053	5214836
SP10006	2:16 AM	4/11/91	14.48	62535	625350	566746	5667455
Averages			14.48	34443	587966	307751	5251186
%RSD			0.01	57.15	5.59	57.15	5.98

Methoxychlor

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
SP10002	11:59 PM	4/10/91	17.61	36743	293941	481653	3853225
SP10003	12:33 AM	4/11/91	17.62	51736	295927	685745	3657305
SP10004	1:08 AM	4/11/91	17.61	71928	287713	957394	3829578
SP10005	1:42 AM	4/11/91	17.61	99656	265749	1336982	3565234
SP10006	2:16 AM	4/11/91	17.61	135357	270714	1833602	3665204
Averages			17.61	79084	278809	1058875	3714119
%RSD			0.02	47.71	4.22	50.83	3.31

DBC

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
SP10002	11:59 PM	4/10/91	20.01	15297	244748	263578	4217250
SP10003	12:33 AM	4/11/91	20.01	22139	235524	387788	4125399
SP10004	1:08 AM	4/11/91	20.01	32552	260415	564564	4516515
SP10005	1:42 AM	4/11/91	20.01	45111	240592	779734	4158591
SP10006	2:16 AM	4/11/91	19.99	62529	250114	1092378	4371511
Averages			20.01	35526	246279	617708	4277351
%RSD			0.04	53.00	3.88	53.27	3.33

ASCII File Created Successfully - Stored in: C:\2700\TCXI.csv

3200727

TCMX

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
SP10007	3:51 AM	4/11/91	3.19	56155	1727855	251269	7731345
SP10008	3:25 AM	4/11/91	3.19	36948	1774450	389962	7956368
SP10009	3:59 AM	4/11/91	3.19	118787	1837490	536698	8256890
SP10010	4:34 AM	4/11/91	3.19	163849	1880405	744851	7639493
SP10011	5:08 AM	4/11/91	3.19	330127	1693283	1001598	7704601
Averages			3.19	129171	1740697	534355	7857739
%RSD			0.04	59.02	3.49	[illegible]	3.33

alpha-BHC

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
SP10007	3:51 AM	4/11/91	4.06	10068	1543964	49451	7607885
SP10008	3:25 AM	4/11/91	4.06	15722	1654947	76256	8027987
SP10009	3:59 AM	4/11/91	4.06	23044	1843512	111232	8898570
SP10010	4:34 AM	4/11/91	4.06	35991	1940031	170987	9237139
SP10011	5:08 AM	4/11/91	4.06	54008	2160333	254498	10179936
Averages			4.06	27747	1829558	132467	8790303
%RSD			0.02	63.33	13.14	61.87	11.55

beta-BHC

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
SP10007	2:51 AM	4/11/91	4.70	11830	946366	62308	4784640
SP10008	3:25 AM	4/11/91	4.70	18439	996683	96753	5229893
SP10009	3:59 AM	4/11/91	4.70	26116	1044633	137388	5495501
SP10010	4:34 AM	4/11/91	4.70	37184	991572	195695	5219520
SP10011	5:08 AM	4/11/91	4.70	52351	1047014	275240	5504801
Averages			4.70	29184	1005254	153477	5236671
%RSD			0.03	54.90	4.17	54.90	4.13

delta-BHC

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
SP10007	2:51 AM	4/11/91	5.50	9808	784609	53271	4261640
SP10008	3:25 AM	4/11/91	5.50	15906	859761	85459	4619416
SP10009	3:59 AM	4/11/91	5.50	24621	984853	130078	5203123
SP10010	4:34 AM	4/11/91	5.49	38683	1031554	202617	5403123
SP10011	5:08 AM	4/11/91	5.49	57972	1159429	304033	6080668
Averages			5.50	29398	964041	155092	5113594
%RSD			0.02	65.68	15.23	64.71	13.82

4,4'-DDE

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
SP10007	3:51 AM	4/11/91	11.54	9755	780415	70297	5623740

BP10008	3:25 AM	4/11/91	11.54	15426	333814	110115	5952163
BP10009	3:59 AM	4/11/91	11.54	22437	897484	158376	6335051
BP10010	4:34 AM	4/11/91	11.54	33627	896726	233458	6358987
BP10011	5:08 AM	4/11/91	11.54	48833	976650	346709	6934171
Averages			11.54	26016	877018	184791	6240802
%RSD			0.01	59.79	3.44	59.58	7.39

000282

Endrin

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10007	2:51 AM	4/11/91	12.26	9576	766114	70565	5645200
BP10008	3:25 AM	4/11/91	12.26	16441	338677	120753	6527173
BP10009	3:59 AM	4/11/91	12.26	23289	930778	168193	6727716
BP10010	4:34 AM	4/11/91	12.27	34345	915969	247225	6592658
BP10011	5:08 AM	4/11/91	12.26	49810	994206	353762	7175241
Averages			12.26	26688	899529	193100	6333598
%RSD			0.01	59.33	9.39	58.61	8.53

4,4'-DDD

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10007	2:51 AM	4/11/91	13.01	16042	641660	115976	4633051
BP10008	3:25 AM	4/11/91	13.01	25888	690342	193584	5162250
BP10009	3:59 AM	4/11/91	13.01	36385	727703	266251	5325024
BP10010	4:34 AM	4/11/91	13.01	55013	746839	404860	5398132
BP10011	5:08 AM	4/11/91	13.01	81276	812761	586297	5862970
Averages			13.01	43121	723861	313394	5277485
%RSD			0.01	60.23	8.53	59.35	8.37

Endo. sulfate

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10007	2:51 AM	4/11/91	14.20	11935	477390	105445	4217811
BP10008	3:25 AM	4/11/91	14.21	19261	486954	164616	4389760
BP10009	3:59 AM	4/11/91	14.21	25484	509685	222801	4456016
BP10010	4:34 AM	4/11/91	14.20	39962	519486	344211	4589477
BP10011	5:08 AM	4/11/91	14.21	55648	556479	492396	4923960
Averages			14.21	30058	509999	265894	4515405
%RSD			0.01	58.17	6.08	58.05	5.36

Endrin Ketone

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
BP10007	2:51 AM	4/11/91	16.31	14768	590703	158449	6337971
BP10008	3:25 AM	4/11/91	16.31	23745	633190	252758	6740200
BP10009	3:59 AM	4/11/91	16.31	32174	643483	350493	7009861
BP10010	4:34 AM	4/11/91	16.31	49461	659485	533527	7113693
BP10011	5:08 AM	4/11/91	16.31	70234	702335	752716	7527155
Averages			16.31	38076	645839	409588	6945776
%RSD			0.00	57.95	5.28	57.81	6.37

3200728

000283

DEC

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
SP10007	2:51 AM	4/11/91	20.00	15500	247998	269434	4310936
SP10008	3:25 AM	4/11/91	20.01	24017	355498	415427	4419434
SP10009	3:59 AM	4/11/91	20.00	33565	338523	531538	4652705
SP10010	4:34 AM	4/11/91	20.00	43304	357621	839354	4756556
SP10011	5:13 AM	4/11/91	20.00	57418	267571	1171543	4582172
Averages			20.00	37751	259862	653259	4543351
%RSD			0.01	54.43	3.53	54.56	3.47

ASCII File Created Successfully - Stored in: C:\2700\TCXH.csv

INTERNATIONAL TECHNOLOGY CORPORATION

000284

By [illegible] Date 4-11-91 Subject _____ Sheet No. ____ of ____

Chkd. By [illegible] Date [illegible] _____ Proj. No. _____

COMPOUND	RF 5-PT	RF #BP10022	%D	RF #BP10025	%D
TCMX	1698466	1774185	-4.4	1773484	-4.4
γ-BHC	1692970	1782389	-5.3	1772594	-4.7
HEPTACHLOR	1482161	1611938	-0.5	1546450	-7.7
ALDRIN	1313027	1314890	-8.4	1314770	-8.4
HEPT. EPOXIDE	1129462	1221386	-0.1	1233378	-9.2
ENDOSULFAN I	985889	1102117	-11.8	1125300	-14.1
DIELDRIN	1030843	1141248	-10.7	1189792	-15.4
ENDOSULFAN II	905166	1006658	-11.2	1023789	-13.1
ENDRIN ALD.	684155	740693	-8.3	748834	-9.5
4,4'-DDT	587866	634795	-8.0	646489	-10.0
METHOXYCHLOR	278809	303408	-0.0	308302	-10.6
DBC	246279	279813	-13.6	287232	-16.6

COMPOUND	RF 5-PT	RF #BP10026	%D
α-BHC	1829558	1952100	6.7
β-BHC	1005354	1045331	-4.0
δ-BHC	964041	1006109	-4.4
4,4'-DDE	877018	808334	7.8
ENDRIN	894534	865196	3.8
4,4'-DDD	738061	707336	2.3
ENDO. SULFATE	509999	529468	-3.8
ENDRIN KETONE	645839	693673	-7.4
DBC	259862	265821	-2.3

!

3200723

108-10-85

Sample Name : Q10316501 Time : 4/11/91 10:16 AM
Sample Number: P32 W001 Study :
Operator : LSG

000285

Interface # : 2 Channel : B AID mV Ranqe : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Via1 : 0/0

Data Acquisition Time: 4/11/91 9:46 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10019.raw
Result File : c:\2700\data2\BP10019.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\SA80DB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 10.00
Divisor : 1.0000 Additive Constant: 0.00

Instrument Conditions:
HP58906B

Total Number of Peaks Detected: 48

WATER SAMPLE ANALYSIS

Peak #	Ret Time Cminl	Component Name	Area [uV-sec3	Height [uV]	AMOUNT ug/1
1	0.458		5088807	963353	SO.8881
2	0.583		736214	251707	7.3621
3	0.709		182175	51793	1.8218
4	0.864		76601	20488	0.7660
5	0.949		27530	12270	0.2753
6	0.984		29958	15193	0.2996
7	1.084		6533	3215	0.0653
8	1.169		69334	21824	0.6933
9	1.321		30595	9753	0.3060
10	1.392		13367	3728	0.1337
11	1.531		902	446	0.0090
12	1.655		1335	573	0.0134
13	1.787		76220	21224	0.7622
14	1.966		41025	4179	0.4103
15	2.174		13904	2227	0.1390
16	2.328		85650	19047	0.8565
17	2.673		14290	3596	0.1429
18	2.778		4794	1235	0.0479
19	2.989		1081	249	0.0108
20	3.190	TCMX	765972	168434	99.1388

21	3.880		9915	1952	0.0992	
22	4.333		7989	943	0.0799	
23	4.592		3195	396	0.0320	
24	4.875	gamma-BHC	706	145	0.0009	
25	5.316		20878	3810	0.2088	
26	5.559		1456	276	0.0146	
27	5.753		1796	266	0.0180	
28	5.939		5881	933	0.0588	
29	6.282		4586	558	0.0459	
30	6.491		1464	317	0.0146	
31	7.128		1575	142	0.0158	
32	7.759		56141	7904	0.5614	
33	8.204		919	145	0.0092	
34	9.096		60916	9510	0.6092	
35	10.230		1317	119	0.0132	
36	10.709		6196	683	0.0620	
37	11.013		2377	255	0.0238	
38	11.942		9576	253	0.0958	
39	12.540	Endosulfan II	1138	153	0.0017	
40	13.031	4,4'-DDD	959	117	0.0016	
41	14.418	4.4'-DDT	25527	2924	0.0497	
42	15.438		2750	259	0.0275	
43	17.597	Methoxychlor	12849	479	0.0172	
44	19.403		99734	6092	0.9973	
45	19.994	DBC	369418	21388	86.8437	
46	22.692		1360	80	0.0136	
47	24.366		4436	242	0.0444	
48	25.329		2893	149	0.0289	
			7984226	1635021		

Report Stored in ASCII File: c:\2700\data2\BP10019.TXO

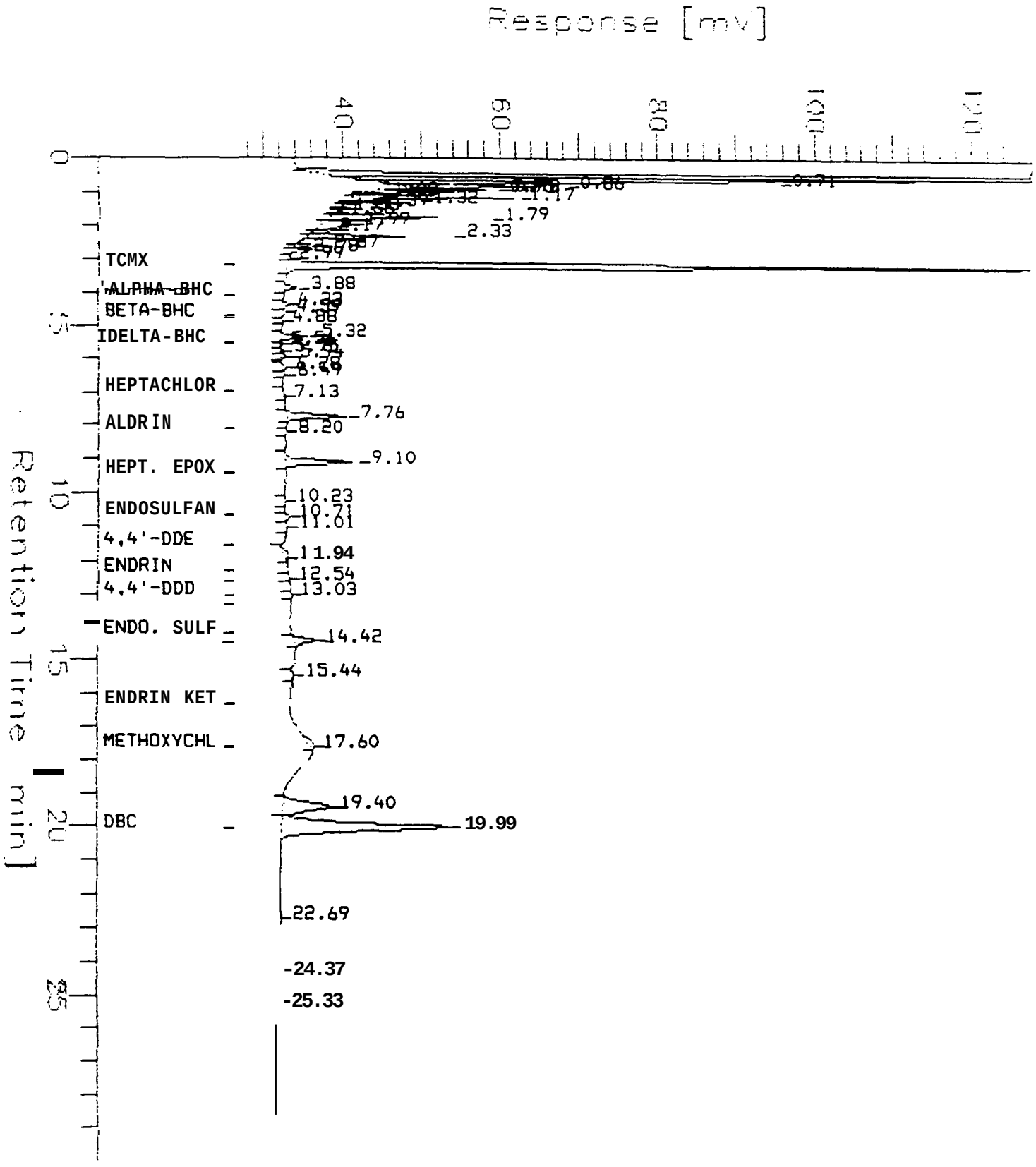
3200730

Chromatogram

000287

FileName : c:\2700\data2\BP10019.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 36 mV

Date : 4/11/91 10:17 AM
Low Point : 36.33 mV High Point : 126.33 mV
Plot Scale: 100 mV



Sample Name : Q10316502 Time : 4/11/91 10:51 AM
Sample Number: P32 W066 Study : 000288
Operator : LSG

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 10:20 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10020.raw
Result File : c:\2700\data2\BP10020.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\SA80DB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 10.00
Divisor : 1.0000 Additive Constant: 0.00

Instrument Conditions:
HP58906B

Total Number of Peaks Detected: 49

WATER SAMPLE ANALYSIS

Peak #	Ret Time Cminl	Component Name	Area [uV-sec1	Height [uV]	AMOUNT ug/1	
1	0.458		9158852	955090	91.5885	
2	0.674		3246858	625978	32.4686	
3	0.805		224699	79492	2.2470	
4	1.008		35450	13068	0.3545	
5	1.142		6922	3306	0.0692	
6	1.207		97643	38839	0.9764	
7	1.319		585512	216745	5.8551	
a	1.550		382503	0	3.8250	
9	1.788		182958	52286	1.8296	
10	2.171		29897	6036	0.2990	
11	2.376		222454	44304	2.2245	
32	2.763		15420	2340	0.1542	
13	2.980		13440	2126	0.1344	
14	3.190	TCMX	888455	191463	112.6938	[illegible]
15	3.476		56283	10547	0.5628	
16	3.636		2967	649	0.0297	
17	3.776		1876	513	0.0188	
18	3.880		9354	1876	0.0935	
19	4.044	Alpha-BHC	4895	813	0.0044	ND
20	4.369		6326	954	0.0633	

3200761

21	4.500		11017	1840	0.1102	
22	4.876	gamma-BHC	9052	1827	0.0905	
23	5.069		5323	1075	0.0532	
24	5.554		15073	1710	0.1507	
25	5.694		1640	344	0.0164	
26	5.940		3760	824	0.0376	
27	6.375		49955	4660	0.4996	
28	6.617		7746	1053	0.0775	
29	6.919		1002	160	0.0100	
30	7.086		1046	172	0.0105	
31	7.258		4336	629	0.0434	
32	7.758		84521	10326	0.8452	
33	8.004	~~Aldrin~~	2104	344	0.0028	
34	8.224		5712	746	0.0571	
35	8.755		844	125	0.0084	
36	9.526		2940	332	0.0294	
37	9.720		2138	315	0.0214	
38	10.212		5017	480	0.0502	
39	10.717		68992	7214	0.6899	
40	11.000		22012	2359	0.2201	
41	11.906		17646	923	0.1765	
42	12.361	~~Endrin~~	2090	265	0.0029	
43	12.605	Endosulfan II	2205	265	0.0029	NO
44	13.548		2487	176	0.0249	
45	14.113		2217	226	0.0222	
46	14.417	4,4'-DDT	61597	6317	0.1075	ND
47	15.675		14297	441	0.1430	
48	19.404		141264	8326	1.4126	
49	19.996	DBC	542790	30441	123.6048	
			16263582	2330337		

000289

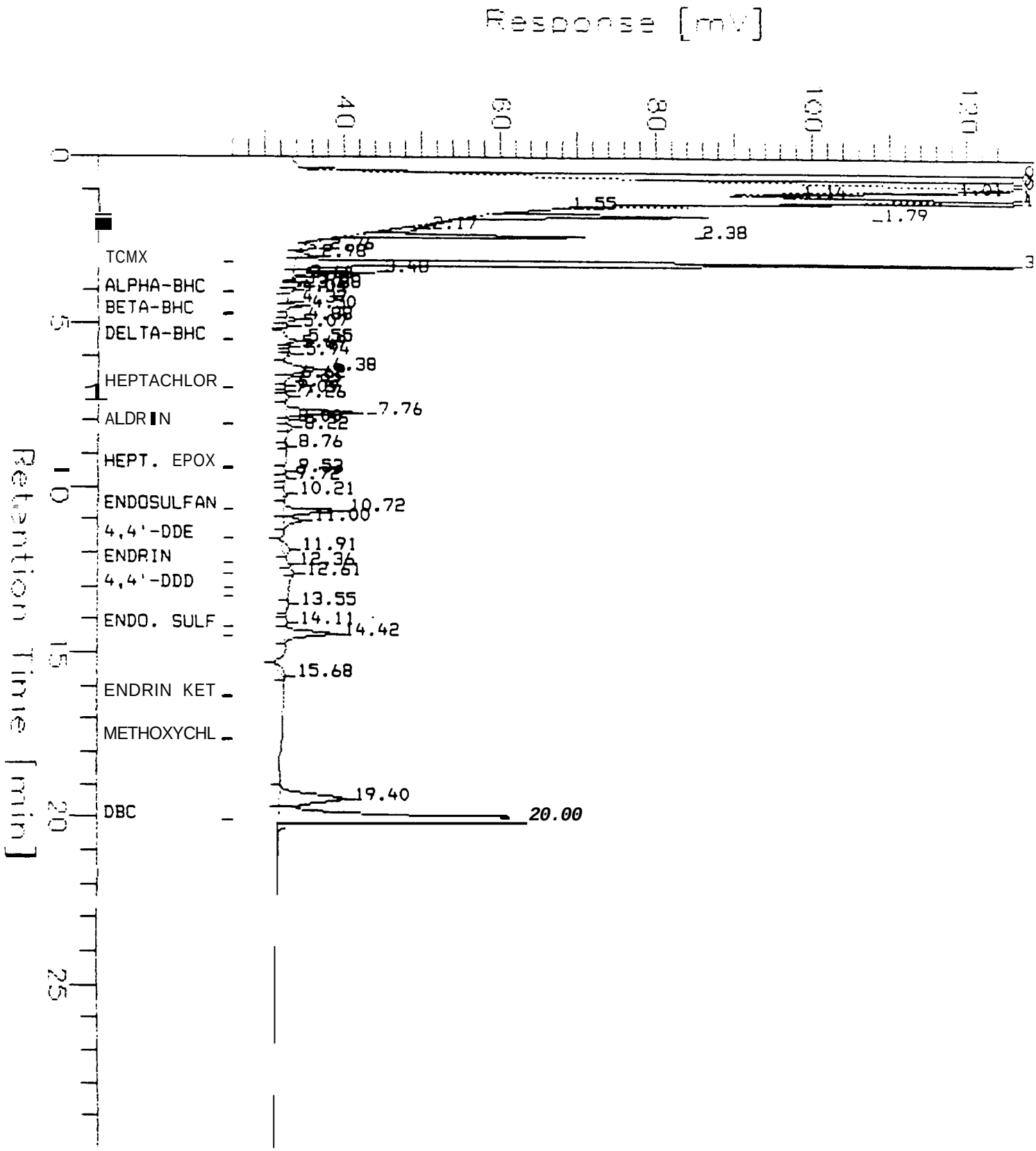
Report Stored in ASCII File: c:\2700\data2\BP10020.TXO

Chromatogram

000290

FileName : c:\E700\data2\BP10020.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 25 mV

Date : 4/11/91 10:51 AM Page : 1/1
Low Point : 25.96 mV High Point : 125.75 mV
Plot Scale: 100 mV



3200732

Sample Name : Q10316503 Time : 4/11/91 10:55 AM
Sample Number: P32 WFB02 Study :
Operator : LSG

Interface # : 2 Channel : B A/D mV Ranqe : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 10:54 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10021.raw
Result File : c:\2700\data2\BP10021.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\SA80DB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 10.00
Divisor : 1.0000 Additive Constant: 0.00

Instrument Conditions:
HP58906B

Total Number of Peaks Detected: 37

WATER SAMPLE ANALYSIS

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	AMOUNT ug/1
1	0.458		4530710	964623	45.3071
2	0.583		1015666	240817	10.1567
3	0.709		133868	38650	1.3387
4	0.871		82790	22605	0.8279
5	0.950		9509	4725	0.0959
6	0.989		15643	6814	0.1564
7	1.078		2667	1477	0.0267
8	1.170		51689	18686	0.5169
9	1.322		26952	10557	0.2695
10	1.574		1625	761	0.0163
11	1.789		53983	15713	0.5398
12	2.177		12072	1765	0.1207
13	2.374		26307	3463	0.2631
14	2.674		1679	442	0.0168
15	2.778		2245	597	0.0225
16	2.999		951	248	0.0095
17	3.190	TCMX	808650	177633	104.5538
18	3.880		8825	1918	0.0882
19	4.433		1822	280	0.0182
20	5.073		1026	167	0.0103

21	5.327		1256	177	0.0126	
22	5.556		1977	340	0.0198	
23	5.758		1713	241	0.0172	
24	5.943		5656	954	0.0566	
25	6.196		6360	486	0.0636	
26	6.486		2494	377	0.0249	
27	7.338		4847	177	0.0485	
28	7.760		54686	7445	0.5469	
29	8.204		808	133	0.0081	
30	9.096		2314	369	0.0231	
31	12.517	Endosulfan II	22045	210	0.0023	ND
32	13.599		4702	199	0.0470	
33	14.096		1100	130	0.0110	
34	14.416	4,4'-DDT	22780	2428	0.0413	ND
35	15.590		6185	243	0.0619	
36	19.394		119594	7151	1.1959	
37	19.985	DBC	463735	26552	107.8107	[illegible]
			7511008	1559551		

Report Stored in ASCII File: c:\2700\data2\BP10021.TXO

000292

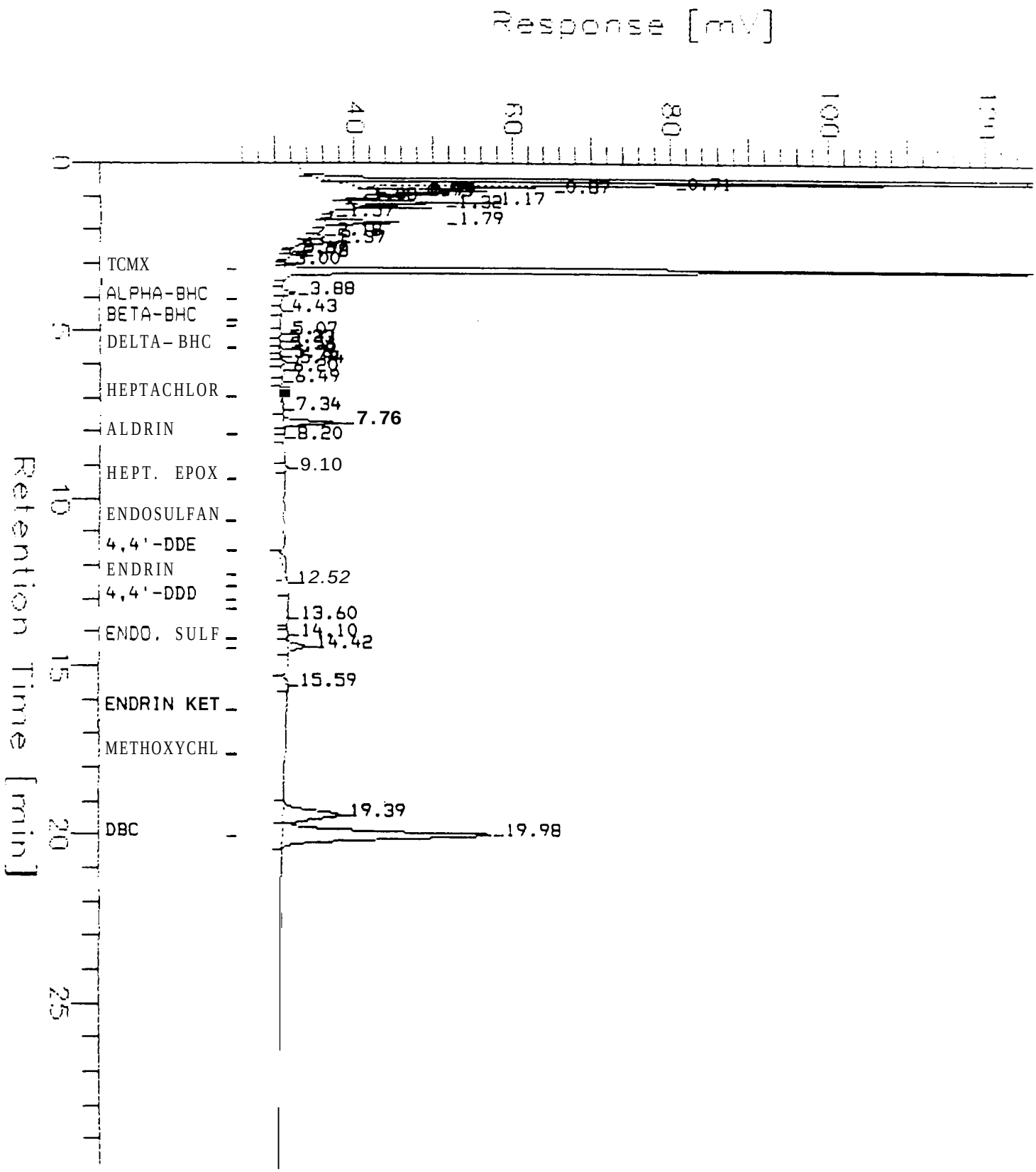
3200733

Chromatogram

000293

FileName : c:\2700\data2\2P10021.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 25 mV

Date : 4/11/91 11:25 AM Page : 1 of 1
Low Point : 25.28 mV High Point : 125.25 mV
Plot Scale: 100 mV



Sample Name : LCS 162,165 Time : 4/11/91 12:03 PM
Sample Number: LCS162,165 Study :
Operator : LSG

000294

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 12:03 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10023.raw
Result File : c:\2700\data2\BP10023.rst
Instrument File: C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\SA80D85B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 500 Bunch Factorr 1
Dilution Factor: 1.00 Multiplier : 10.00
Divisor : 1.0000 Additive Constant: 0.00

Instrument Conditionrr
HP58906B

Total Number of Peaks Detected: 44

WATER SAMPLE ANALYSIS

Peak #	Ret Time [min]	Component Name	Area tuV-sec]	Height [uV]	AMOUNT ug/1
1	0.450		5259125	964831	52.5913
2	0.579		1076366	253001	10.7637
3	0.715		188181	44862	1.8818
4	0.068		72057	19122	0.7206
5	0.950		12687	6016	0.1269
6	0.933		33619	10034	0.3362
7	1.174		93655	20497	0.9366
8	1.321		186345	47217	1.8635
9	1.382		51548	18750	0.5155
10	1.570		5517	1191	0.0552
11	1.789		46294	13048	0.4629
12	2.175		8986	1164'	0.0899
13	2.372		20637	2724	0.2066
14	2.690		1330	363	0.0133
15	2.777		2811	681	0.0281
16	2.994		2811	724	0.0281
17	3.190	TCMX	769352	168674	99.2803 % RECOVER
18	3.880		1022s	1969	0.1023
19	4.010		3423	511	0.0342
20	4.421		4019	443	0.0402

3200734

21	4.580		3458	302	0.0348	
22	4.880	- gamma-BHC	164984	31771	0.1877	44% RECO
23	5.347		1717	197	0.0198	LSG 4-
24	5.556		1746	317	0.0175	
25	5.781		3753	578	0.0375	
26	5.941		5284	915	0.0528	
27	6.283		1093	181	0.0109	
28	6.407		2179	458	0.0218	
29	6.972	- Heptachlor	173793	26745	0.1805	90% RECO
30	7.759		93478	12722	0.9348	LSG 4-11-
31	8.065	- Aldrin	152401	22079	0.1820	91% RECO
32	9.087		3874	419	0.0387	LSG 4-
33	10.195		2160	226	0.0216	94%
34	11.518	- DIELDRIN LSG 4-11-91	350319	48535	~~3.5032~~ 0.4708	47%
35	12.261	- Endrin	294589	41246	0.4585	92% RECOV
36	13.015	~~4,4'-DDD~~. LSG 4-11-91	8049	780	0.0108	LSG
37	13.274	~~Endrin Alde~~. LSG 4-11-91	9107	994	0.0145	
38	13.635		2697	210	0.0270	
39	14.106		2088	217	0.0209	
40	14.466	- 4,4'-DDT	293844	30168	0.5132	103% RECO
41	15.607		2121	02	0.0212	LSG 4-8
42	16.307	~~Endrin~~ LSG 4-11-91	11133	1047	0.0162	
43	19.404		113409	6688	1.1341	
44	19.990	- DBC	433991	24779	100.6132	% RECOVE
			9980270	1830486		LSG 4-11

000295

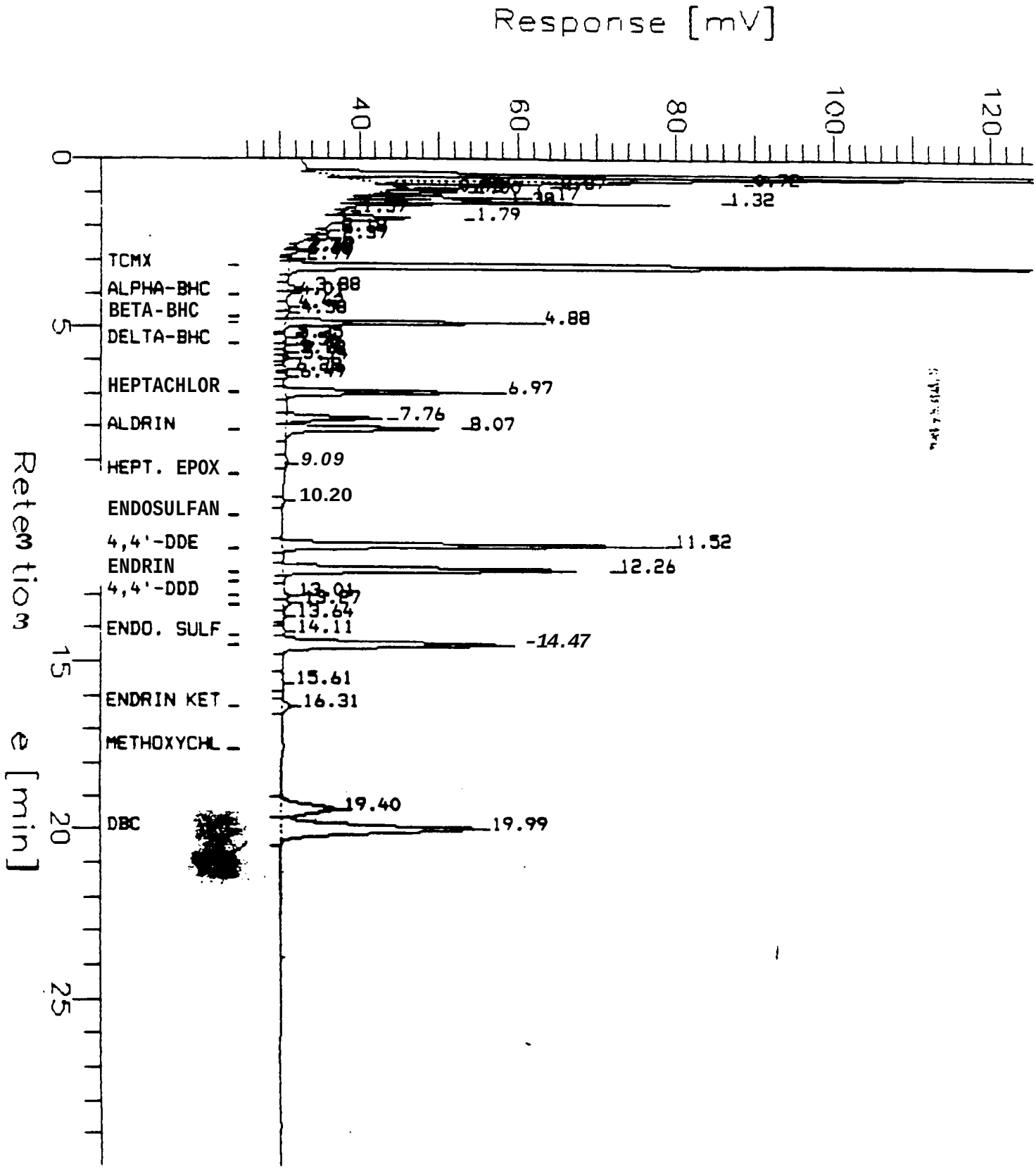
Report Stored in ASCII File: c:\2700\data2\BP10023.TXO

Chromatogram

000296

FileName : c:\2700\data2\BP10023.raw
Date : 4/11/91 12:34 PM

Start Time : 0.00 min
End Time : 30.00 min
Low Point : 24.83 mV
High Point : 124.83 mV
Scale Factor: -1
Plot Offset: 25 mV
Plot Scale: 100 mV



3200735

Sample Name : BLANK 4-1-91 Time : 4/11/91 1:00 PM
Sample Number: BLK162,165 Study :
Operator : LSG

000297

Interface # : 2 Channel : B A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data hcquisition Time: 4/11/91 12:37 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\BP10024.raw
Result File : c:\2700\data2\BP10024.rst
Instrument Filer C:\2700\GEN6B.ins
Process File : C:\2700\GEN6B.prc
Sample File : C:\2700\SA80DB5B.smp
Sequence File : C:\2700\BP1091.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 500 Bunch Factors 1
Dilution Factor: 1.00 Multiplier : 10.00
Divisor : 1.0000 Additive Constant? 0.00

Instrument Conditions:
HP58906B

Total Number of Peaks Detected: 42 Vict 4-13-91

WATER SAMPLE ANALYSIS

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	AMOUNT ug/l
1	0.458		4600800	964736	46.0080
2	0.581		1042789	249711	10.4279
3	0.709		172206	30774	1.7221
4	0.873		107139	34922	1.0714
5	0.950		16124	7805	0.1612
6	0.989		29197	12333	0.2920
7	1.169		66780	21287	0.6670
8	1.328		44683	13380	0.4460
9	1.388		13633	4902	0.1365
10	1.786		94463	25125	0.9446
11	2.173		10043	1232	0.1003
12	2.373		25850	4456	0.2585
13	2.691		3950	973	0.0395
14	2.777		5483	1379	0.0548
15	2.993		3479	867	0.0348
16	3.189	TCMX	763923	167922	98.8379 % RECOVERY LSG 4-11-
17	3.878		10596	1950	0.1060
18	4.003		2196	314	0.0220
19	4.413		4573	497	0.0458
20	4.500		3736	588	0.0376

21	4.918	gamma-BHC	1034	140	0.0008	ND
22	5.360		2474	297	0.0207	
23	5.561		1378	245	0.0138	
24	5.781		5691	820	0.0369	
23	3.940		5617	937	0.0562	
26	6.279		8340	932	0.0834	
27	6.490		11558	1871	0.1156	
28	7.093		2934	269	0.0293	
29	7.298		1251	121	0.0125	
30	7.756		135095	17857	1.3510	
31	8.205		3049	437	0.0305	
32	9.492		1035	116	0.0103	
33	10.193		1975	1as	0.0198	
34	12.011		8136	165	0.0814	
35	12.513	Endosulfan II	2383	342	0.0038	ND
36	12.842		1288	149	0.0129	
37	13.585		1528	150	0.0153	
38	14.093		1812	192	0.0181	
39	14.416	4,4'-DDT	88312	9019	0.1534	
40	15.652		4604	171	0.0460	
41	19.395		123351	7240	1.2335	
42	19.990	DBC	471046	26718	108.4865	% RECOVER
			7907576	1633743		

LSO 4-11

Report Stored in ASCII File: c:\2700\data2\BP10024.TXO

3200298

3200736

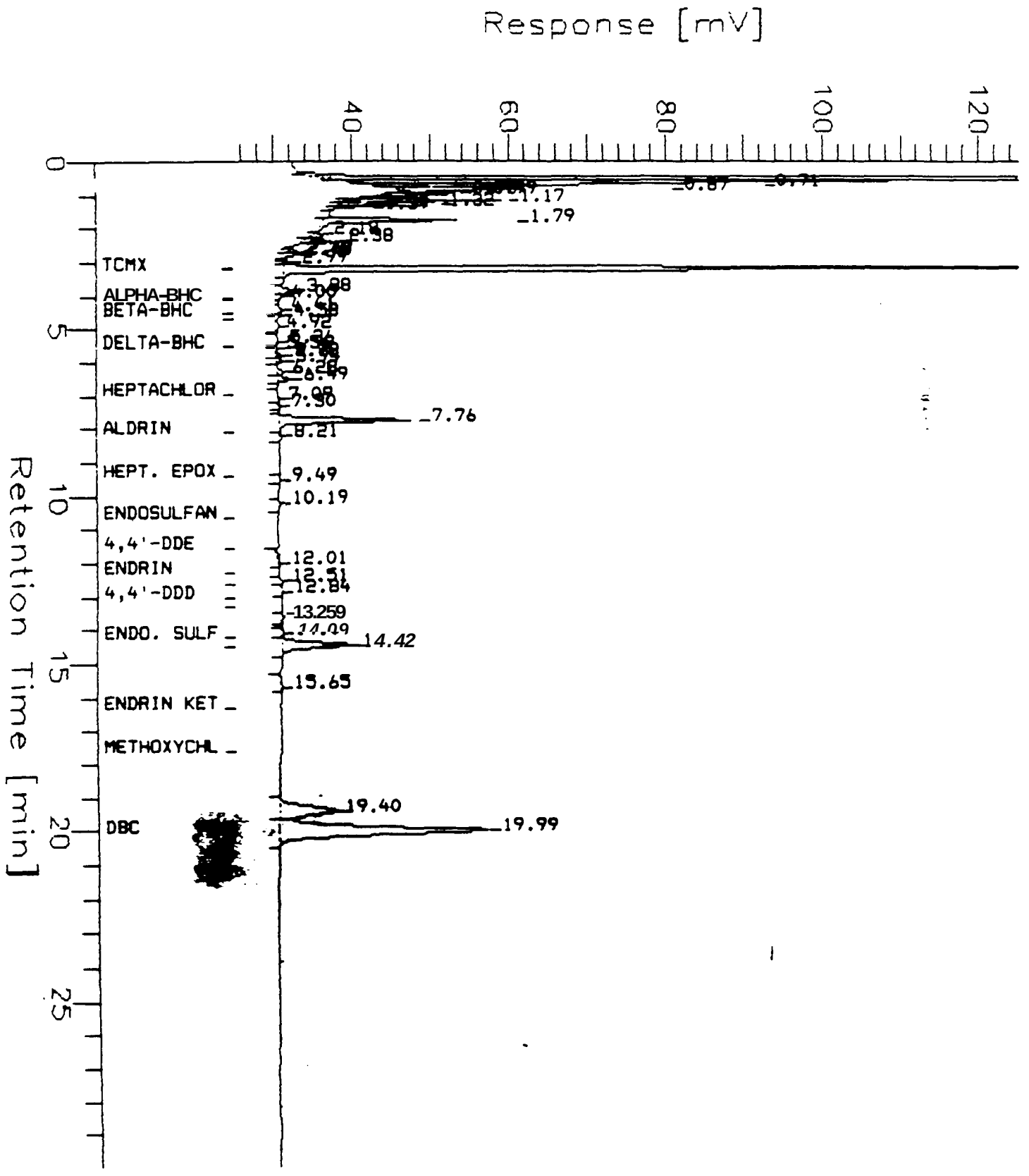
Chromatogram

000299

FileName : c:\2700\data2\BP10024.raw
Start Time : 0.00 min
End Time : 30.00 rin
Scale Factor: -1
Plot Offset: 25 mV

Date : 4/11/91 1:08 PM
Lor Point : 24.86 mV
Plot Scale: 100 mV

High Point : 124.86 mV



Sequence File : C:\2700\DP0991.seq
Created by : on : 12/18/89 10:08 AM
Edited by : on : 4/8/91 11:31 AM
Number Of Times Edited : 2

300

Calc'd V'D cm
4-10

Sequence File Header Information:
Study Name
Segment Interface : YES
Number Of Cycles : 16

Sequence Sample Descriptions

Cycle	Sample Name	Sample Number	Sample Amount	ISTD Amount	Inj. Volume	Dil. Factor	Mult	Divisor	Addend	Inst File	Output Device
1	MED TOX	3-309-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
	MED CHLOR	6-287-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
3	Q10316201	FB-01	1000.300	1.900	1.300	1.000	1.000	1.000	0.000	GEN7B	LPT1:
4	Q10316202	EL-6	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
5	Q10316203	EL-7	1050.300	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
	Q10316204	EL-11	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
	Q10316205	EL-19	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
8	Q10316206 TBA	MW-12-01	1309.300	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
9	Q10316207	Mi-30	1090.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
10	Q10316501	P32 W001	1000.000	1.000	1.000	1.000	1.900	1.000	0.000	GEN7B	LPT1:
11	Q10316502 TBA	P32 W066	1009.300	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
12	Q10316503	P32 WFB02	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
13	MED TOX	2-309-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
14	BLANK 4-1-91	BLK162,165	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
15	MED TOX	3-309-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
15	MED CHLOR	6-287-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	[illegible]

Sequence Process Description - Channel B

Cycle	Process File	Sample File	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Mode	Level Name	Update RT	Norm. Factor
1	GEN7B	TOX608D	MTOX608	DP09001	DP09001			R	TOX	Y	100.000
3	GEN7B	CHLO608D	MCH608	DP09002	DP09002			R	CHLORDANE	Y	100.000
3	GEN7B	PCB608D	SAMH20	DP09003	DP09003			N		N	100.000
4	GEN7B	PCB608D	SAMH20	DP09004	DP09004			N		[illegible]	100.000
5	GEN7B	[redacted]	[redacted]	DP09005	DP09005			N		N	100.000
6	GEN7B	[redacted]	[redacted]	DP09006	DP09006			N		N	100.000
7	GEN7B	[redacted]	[redacted]	DP09007	DP09007			N		N	100.000
8	GEN7B	[redacted]	[redacted]	DP09008	DP09008			N			100.000
9	GEN7B	[redacted]	[redacted]	DP09009	DP09009			N		N	100.000
10	GEN7B	[redacted]	[redacted]	DP09010	DP09010			N		N	100.000
11	GEN7B	PCB608D	SAMH20	DP09011	DP09011			N		N	100.000
12	GEN7B	PCB608D	SAMH20	DP09012	DP09012			N		N	100.000
13	GEN7B	TOX608D	MTOX608	DP09013	DP09013			R	TOX	Y	100.000
14	GEN7B	PCB608D	SAMH20	DP09014	DP09014			N		N	100.000
15	GEN7B	TOX608D	MTOX608	DP09015	DP09015			R	PDI	Y	100.000
16	GEN7B	CHLO608D	MCH608	DP09016	DP09016			R	CHLORDANE	Y	100.000

3200737

INTERNATIONAL TECHNOLOGY CORPORATION

000301

By LM Date 4-9-91 Subject % DIFFERENCES FROM 5-Point Sheet No. 1 of ____

Chkd. By ____ Date ____ Proj. No. ____

Compound	RF (HT) of 5-Point	RF (HT) File DP09001	% Diff From 5-Point + File DP09001 LM 4-9-91
Toxaphene	46238	48472	-4.8
DBC	528497	550190	-4.1

Compound	RF (HT) of 5-Point	RF (HT) File DP09002	% Diff From 5-Point + File DP09002
Tech. Chlordane	455141	500246	-9.9
DBC	424741	455700	-7.3

	RF File DP09013	% Δ013 +001	RF File DP09015	% Δ015 +001
Toxaphene	49970	-3.1	50287	-3.7
DBC	561130	-2.0	559770	-1.7

	RF. File DP09016	% Δ016 +002
Tech. Chlordane	514134	-2.8
DBC	456990	-0.3

108-10-85

By RL Date [illegible] Subject RETENTION TIME WINDOW Sheet No ___ of ___

Chkd By ___ Date ___ HP5890 78 DB608 Proj No ~~000302~~

COMPOUND	$\bar{x}$	σ	3σ		RE
α-BHC		0.025	0.08		
γ-BHC		0.025	0.08		
β-BHC		0.025	0.08		
HEPTACHLOR		0.025	0.08		
δ-BHC		0.030	0.09		
ALDRIN		0.030	0.09		
Heptachlor Epoxide		0.035	0.11		
Technical γ Chlordane	10.57	0.030	0.09	10.42-10.[illegible]	57-74%
α-CHLORDANE		0.030	0.09		
ENDOSULFAN I		0.030	0.09		
4,4'-DDE		0.030	0.09		
DIELDRIN		0.035	0.11		
ENDRIN		0.040	0.12		
4,4'-DDD		0.045	0.14		
ENDOSULFAN II		0.055	0.17		
4,4'-DDT		0.060	0.18		
ENDRIN ALDEHYDE		0.055	0.17		
ENDOSULFAN SULFATE		0.065	0.20		
ENDRIN KETONE		0.095	0.29		
METHOXYCHLOR		0.12	0.36		
DBC	19.82	1.5% RT	0.30	19.57-20.12	55-90
TOXAPHENE	14.68	0.060	0.18	14.50-14.86	44-72
AROCLOR 1016		0.015	0.05		
AROCLOR 1221		0.010	0.03		
AROCLOR 1232		0.012	0.03		
AROCLOR 1242		0.017	0.05		
AROCLOR 1248		0.017	0.05		
AROCLOR 1254		0.017	0.05		
AROCLOR 1260		0.020	0.06		

Sample Name : MED TOX
Sample Number: 3-309-7
Operator : LWM

Time : 4/9/91 12:35 AM
Study :

000303

Interface # : 0 Channel : E A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 12:08 AM
Delay Time : 0.00 min.
End Time : 26.74 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP09001.raw
Result File : C:\2700\DATA0\DP09001.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\TOX608D.smp
Sequence File : C:\2700\DP0991.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TOXAPHENE ON DB608

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CONCENTRATION 1.0 ug/ml

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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.513		4027303	927907	230404	4	4.0273
2	0.807		587340	123381	179505	6	0.6873
3	1.040		20635	5325	258070	4	0.0206
4	1.388		7700	2242	291233	3	0.0077
6	6.938		6937	845	121782	8	0.0069
7	7.354		6603	687	104116	10	0.0066
15	8.203		10742	1589	147873	7	3.0107
11	8.742		12325	1334	108215	9	3.0123
12	3.994		46846	5355	114300	7	0.M69
13	9.463		43545	2621	50187	17	0.0435
14	9.953		29534	3195	108176	9	0.0295
15	10.130		41890	4102	97927	10	0.0419
16	10.622		86964	7540	86704	12	0.0870
17	10.988		58777	1731	131535	8	0.0588
18	11.260		40943	3385	82672	12	3,0409
19	11.620		59206	7480	138081	7	0.3692
20	11.974		47419	6268	132184	8	0.0474
21	12.158		46321	6356	137207	7	0.0463
22	12.33		83724	10773	128671	8	3,0837
24	12.689		13461	2274	168908	6	0.0135
25	12.898	Toxaphene a	118468	14036	14036	8	1.0000
26	13.224		139381	13790	98939	10	0.1394
27	13.837		41063	5611	136644	7	0.0411

28	14.229		98152	9341	95169	11	0.0982
29	14.678	Toxaphene b	324103	21413	21413	15	1.0000
30	15.364		102517	8625	84129	12	0.1025
31	15.867		145100	14048	96813	10	0.1451
32	16.197		53213	6244	117335	9	0.0532
33	17.023	Toxaphene c	185840	13022	13022	14	1.0000
34	17.432		33609	3836	114122	9	0.0336
35	17.720		12842	1385	107826	9	0.0128
36	18.149		79955	5399	[illegible]	15	0.0800
37	18.672		6444	1011	156832	6	0.0064
38	19.434		309473	17029	55021	18	0.3095
39	19.817	DBC	1095752	55019	550190	20	1.1000
40	20.833		38087	3999	78739	13	0.0381
41	22.541		280288	7587	27368	37	0.2803
42	23.008		88923	3612	48614	25	0.0889
43	23.888		25761	1319	51210	20	0.0258
44	25.207		92540	4235	45759	22	0.0925
45	26.091		26092	1146	43903	23	0.0261
			8685820	1340992			10.0617

000304

Group Report For : TOX

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
25	12.898	Toxaphene a	118468	14036	14036	8	1.0000
29	14.678	Toxaphene b	324103	21413	21413	15	1.0000
33	17.023	Toxaphene c	185840	13022	13022	14	1.0000
			628411	48472			3.0000

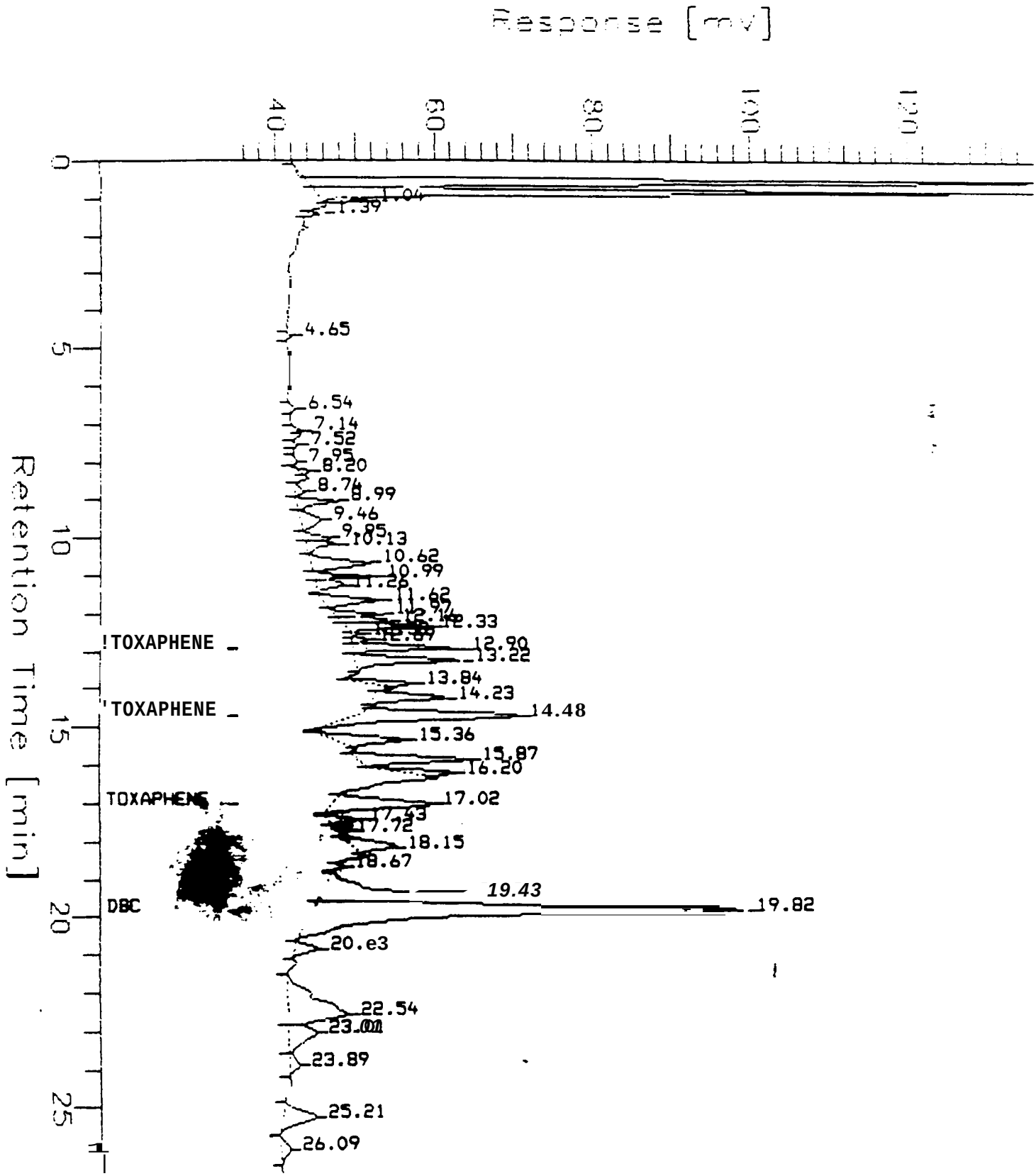
Report Stored in ASCII File: C:\2700\DATA0\DP09001.TXO

3200733

Chromatogram

000305

FileName : C:\2700\DATA0\DP09001.raw
Start Time : 0.00 min
Scale Factor: -1
End Time : 26.74 min
Plot Offset: 35 mV
Date : 4/9/91 12:35 AM
Low Point : 35.23 mV
Plot Scale: 100 mV
High Point : 135.23 mV



Sample Name : MED CHLOR
Sample Number: 6-287-7
Operator : LWM

Time : 4/9/91 1:08 AM
Study :

000306

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 12:43 AM
Delay Time : 0.00 min.
End Time : 25.02 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP09002.raw
Result File : C:\2700\DATA0\DP09002.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\CHL0608D.smp
Sequence File : C:\2700\DP0991.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

TECHNICAL CHLORDANE ON DB608

CONCENTRATION 0.5 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.513		4066116	927627	228111	4	4.0661
2	0.312		507691	76637	150952	7	0.5077
3	1.115		39139	6894	176140	b	5.0391
4	1.392		12449	3200	257081	4	0.0125
	1.651		6130	1198	195405	5	0.0061
5	1.952		11345	3062	269431	4	0.0114
7	3.210		49168	9190	186917	6	0.0492
8	4.163		41766	6639	158952	6	0.0418
9	4.470		31102	4788	153934	7	0.0311
10	5.465		63862	8028	125704	8	0.0639
11	5.829		33222	5339	151682	7	0.0332
12	6.357		361313	49235	136267	7	0.3613
13	6.861	CHLORDANE-A	409688	55657	445258	1	0.1250
14	7.390	CHLORDANE-B	64174	8535	58292	8	0.1250
15	7.546		29101	3359	115409	9	0.0291
16	7.802		35433	4515	126699	8	0.0356
17	7.982		34507	3971	115074	9	0.0345
18	8.222		35709	3486	103225	10	0.0357
19	8.549		164370	24266	147630	7	0.1644
20	8.738		229151	27445	119768	8	0.2292
21	9.113		93189	6437	ti073	15	0.0932
22	9.494		5687	798	140324	7	0.0057
23	9.884		171571	19919	116098	9	0.1716

3200740

000307

25	10.570	CHLORDANE-C	1201062	101488	811902	12	0.1250
26	11.171	CHLORDANE-D	853263	84442	675538	10	0.1250
27	11.601		45161	5659	125315	8	0.0452
28	12.054		50633	5238	103455	10	0.0506
29	12.380		40049	4342	108405	9	0.0401
30	12.732		31730	2458	77457	13	0.0317
31	12.964		20785	2510	120770	8	0.0208
32	13.260		27267	3458	126815	[illegible]	0.0273
33	13.490		12496	1459	119989	[illegible]	0.0125
34	13.873		121106	13391	110569	[illegible]	0.1211
35	14.494		20463	2134	107200		0.0205
36	14.875		139852	17112	100667	10	0.1399
37	16.465		21561	2092	96561	10	0.0217
38	18.192		111551	7617	68285	15	0.1116
39	19.831	DBC	773548	45570	455702	17	0.1000
40	22.204		12544	566	45126	22	0.0125
			10190670	1577697			7.4889

Group Report For : Technical Chlordane

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
13	6.861	CHLORDANE-A	409688	55657	445258	7	0.1250
14	7.290	CHLORDANE-B	64174	8535	68282	8	0.1250
25	10.570	CHLORDANE-C	1201062	101488	811902	12	0.1250
26	11.171	CHLORDANE-D	853263	84442	675538	10	0.1250
			2528187	250123			0.5000

Report Stored in ASCII File: C:\2700\DATA0\DP09002.TXO

Chromatogram

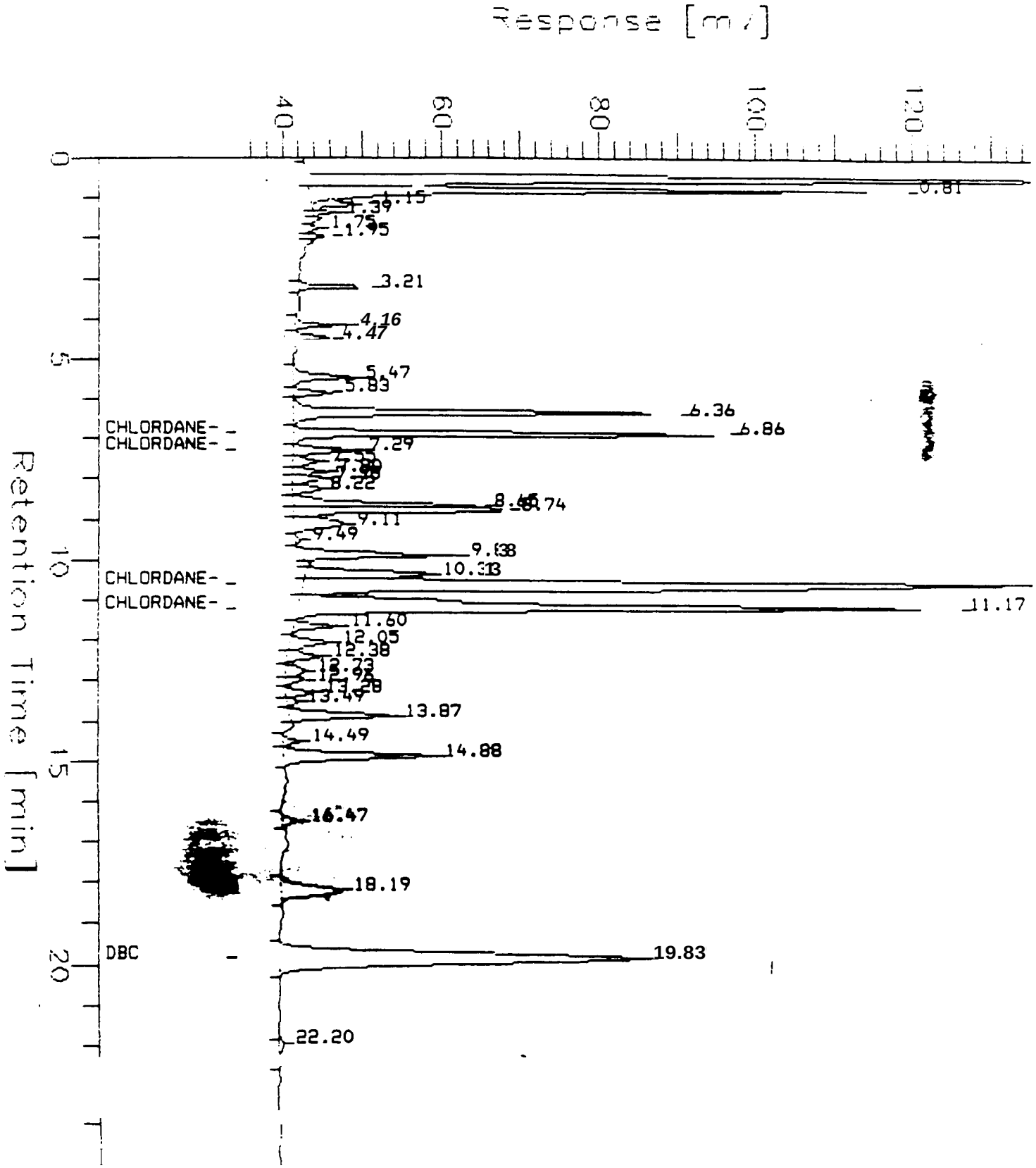
FileName : C:\2700\DATA0\DP09002.raw
Start Time : 0.99 min
Scale factor: -1

End Time : 25.02 min
Plot Offset: 34 mV

Date : 4/9/91 1:09 AM
Low Point : 34.17 mV
Plot Scale: 100 mV

000308

High Point : 134.17 mV



3200741

Sample Name : MED TOX
Sample Number: 3-309-7
Operator : LWM

Time : 4/9/91 07:08 AM
Study :

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acouisition Time: 4/9/91 7:08 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP09013.raw
Result File : C:\2700\DATA0\DP09013.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\TOX608D.smp
Sequence File : C:\2700\DP0991.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

TOXAPHENE ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.513		4084250	928871	226938	4	4.0843
c	0.811		706236	126999	179825	6	5.7362
3	1.045		20338	5439	267446	4	0.0203
4	1.393		10348	3035	293263	3	0,0104
7	6.540		8074	1014	125621	8	0.0081
3	7.155		16088	1121	69652	14	3.3161
10	7.970		6098	b18	101331	10	0.0061
11	8.217		11596	1662	143338	7	0.0116
12	8.760		11210	1191	106216	9	0.0112
13	9.007		44145	5367	121566	8	0.0441
14	9.469		15550	1522	97889	10	0.0156
15	9.960		23284	2658	114168	9	0.0233
16	10.142		25137	3046	121157	8	0.0251
17	10.630		03117	7487	89432	11	0.0837
18	11.005		54283	7399	136300	7	0.0543
19	11.255		39775	3262	82016	12	0.0398
20	11.637		66889	7162	107072	9	0.0669
21	11.989		47584	6295	132296	8	0.0476
22	12.164		51061	6652	130269	8	3.0511
23	12.350		81619	10684	133352	8	0.3816
24	12.536		5215	1310	351138	4	0.0052
25	12.694		14055	2481	176911		0.0141
26	12.914	Toxaphene a	121051	14364	14309	9	1.0000

000310

27	13.235		113717	12755	112160	9	0.1137
28	13.853		40989	5714	139408	7	0.0410
29	14.255		103327	9633	93227	11	0.1033
30	14.688	Toxaphene b	340124	22172	22172	15	1.0000
31	15.378		108557	9037	83248	12	0.1086
32	15.877		149332	14807	99152	10	0.1493
33	16.218		52051	6359	122168	8	0.0521
34	17.049	Toxaphene c	195914	13490	13490	15	1.0000
35	17.457		41636	4335	104113	10	0.0416
36	17.733		31268	2656	84935	12	0.0313
37	18.147		152169	3523	56044	13	0.1522
38	18.417		41667	4415	105959	9	0.0417
39	19.454		330833	17909	54133	19	0.3308
40	19.850	DBC	1126147	56113	561125	20	0.1000
41	20.855		51586	3573	69262	14	0.0516
42	21.243		18044	1220	67629	15	0.0180
43	21.992		39000	2463	63159	16	0.0390
44	22.590		197531	6998	35426	28	0.1975
45	23.041		59538	2945	49457	20	0.0595
46	23.393		19772	1207	61036	16	0.0198
47	25.235		102523	4684	45683	22	0.1025
48	26.099		30761	1321	42937	23	0.0308
49	28.956		10603	430	40560	25	0.0106
			8904691	1360549			10.2215

Group Report For : TOX

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
26	12.914	Toxaphene a	121051	14309	14309	9	1.0000
30	14.688	Toxaphene b	340124	22172	22172	15	1.0000
34	17.049	Toxaphene c	195914	13490	13490	15	1.0000
			657090	49970			3.0000

Report Stored in ASCII File: C:\2700\DATA0\DP09013.TXO

3200742

Chromatogram

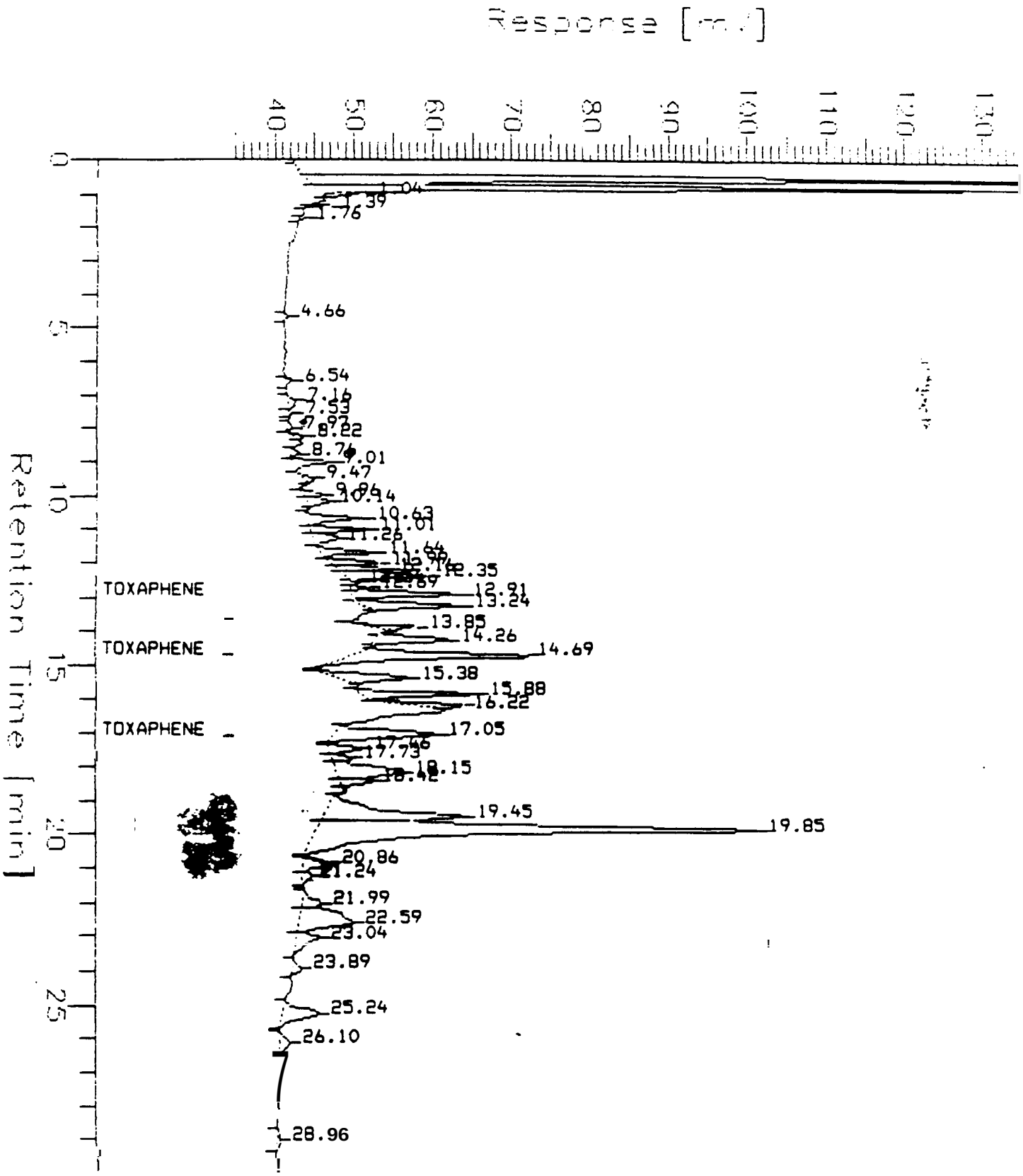
000311

FileName : C:\2700\DATA0\DP09013.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 35 mV

Date : 4/9/91 7:41 AM
Low Point : 34.89 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 134.89 mV



Sample Name : MED TOX
Sample Number: 3-309-7
Operator : LWM

Time : 4/9/91 8:51 AM
Study :

000312

Interface # : .0 Channel : 8 A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 8:18 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP09015.raw
Result File : C:\2700\DATA0\DP09015.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\TOX608D.smp
Sequence File : C:\2700\DP0991.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

TOXAPHENE ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.513		4079889	927817	227412	4	4.0799
2	0.812		113347	126768	177708	6	0.7134
3	1.046		20671	5618	271807	4	0.0207
4	1.393		5307	1573	296479	3	0.0053
8	7.159		17222	1121	65107	15	0.0172
9	8.226		13947	1791	128391	8	0.0140
10	8.758		10798	1158	107208	9	0.0108
11	9.309		44052	5342	121269	8	0.3441
12	9.476		15770	1546	96827	10	0.0160
13	9.965		27061	3003	110962	9	0.0271
14	10.146		41290	3738	90524	11	0.0413
15	10.629		85134	7477	37821	11	0.0851
16	11.005		57201	7559	132147	8	0.0572
17	11.238		44955	3572	79448	13	0.0450
18	11.641		58703	7181	104527	10	0.0687
19	11.989		47389	5292	132766	0	0.0474
20	12.169		40094	6564	134242	7	0.0489
21	12.351		83788	13957	130731	8	0.0838
23	12.708		14338	2389	166625	6	0.0143
24	12.915	Toxaphene a	121030	14560	14560	8	1.0000
25	13.239		139937	13760	98066	10	0.1390
26	13.858		38327	5291	133050	7	0.0383
27	14.238		101411	9646	95115	11	0.1014

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000313

29	14.699	Toxaphene b	338759	22327	22327	15	1.0000
29	15.365		110059	9273	94259	12	0.1101
30	15.888		148426	14346	96656	10	0.1484
31	16.225		51574	5998	116297	9	0.0516
32	17.049	Toxaphene c	190918	13400	13400	14	1.0000
33	17.453		44266	4579	103441	10	0.0443
34	17.748		31335	2759	83037	11	0.0313
35	18.156		162472	3938	55330	13	0.1625
36	18.413		54313	-931	90794	11	0.0543
37	18.687		12891	1634	126756	8	0.0129
38	19.464		335126	13099	54006	19	0.3351
39	19.847	020	1136355	55377	559773	20	0.1000
40	20.859		45275	3361	74234	14	0.0453
41	21.256		13500	1016	75226	13	0.0135
42	22.005		55274	3347	60552	17	0.0553
43	22.594		247697	8052	32507	31	0.2477
44	23.034		91601	3794	41420	24	0.0916
45	23.919		27139	1401	51618	19	0.0271
46	25.241		103458	4758	45993	22	0.1035
47	26.117		30149	1315	43605	23	0.0302
48	28.200		7341	339	-6162	22	0.0073
			7077684	1364415			10.3906

Group Report For : TOX

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
24	12.915	Toxaphene a	121030	14560	14560	8	1.0000
28	14.699	Toxaphene b	338759	22327	22327	15	1.0000
32	17.049	Toxaphene c	190918	13400	13400	14	1.0000
			650706	50287			3.0000

Report Stored in ASCII File: C:\2700\DATA0\DP09015.TXO

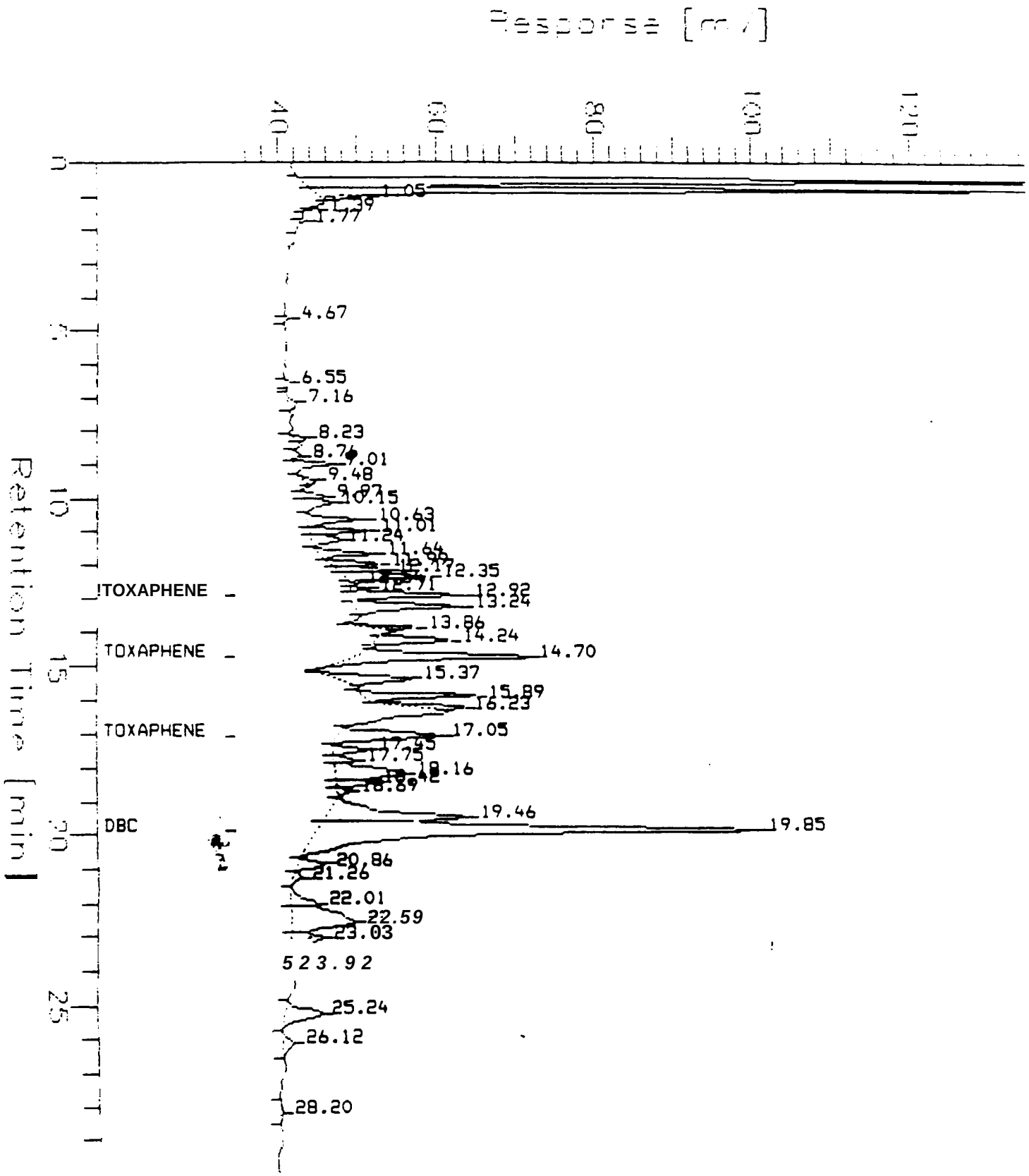
Chromatogram

000314

FileName : C:\2700\DATA0\DP09015.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 35 mV

Date : 4/9/91 8:51 AM
Low Point : 34.56 mV
Plot Scale: 100 mV

High Point : 134.56 mV



320744

Sample Name ; MED CHLOR
Sample Number: 6-287-7
Operator : [illegible]

Time : 4/9/91 [illegible]
Study :

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : [illegible]0

Data Acquisition Time: *4/9/91* 8:53 AM
Delay Time : *0.00* min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP09016.raw
Result File : C:\2700\DATA0\DP09016.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\CHL0608D.smp
Sequence File : C:\2700\DP0991.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

TECHNICAL CHLORDANE ON DB608

CONCENTRATION 0.5 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
	0.513		4056258	927502	229660	4	4.0563
2	0.313		437550	75054	171533	6	0.4376
3	1.148		20522	5016	247366	4	0.0205
4	1.394		7321	2000	273222	4	0.0073
6	1.955		12653	3248	256717	4	0.0127
7	2.082		5125	1312	23968	4	0.0051
8	3.216		54850	10026	182788	6	0.0549
	4.169		41612	5611	156872	6	0.0416
10	4.477		30982	4801	154947	7	0.0310
11	5.474		59457	7377	124079	8	0.0593
12	5.837		33678	5161	153255	7	0.0337
13	6.364		362805	49716	137031	7	0.3628
14	6.870	CHLORDANE-A	423715	57759	462071	7	0.1250
15	7.299	CHLORDANE-B	64681	8577	68615	8	0.1250
16	7.557		30953	3564	115157	9	0.0310
17	7.814		36848	1K9	125632	8	0.0369
18	7.993		35834	4160	116098	9	0.0358
19	8.235		37788	3900	103196	10	0.0378
20	8.748		403482	20213	69924	14	0.4035
21	9.122		96520	6589	68261	15	0.0965
22	9.505		8123	994	122419	8	0.0081
23	9.692		173839	21374	116241	9	0.1939
24	10.101		15850	2435	153625	7	0.0159

000316

25	10.330		198761	18384	92491	11	0.1938
26	10.582	CHLORDANE-C	1257460	103437	327496	12	0.1250
27	11.184	CHLORDANE-D	395971	37294	598351	10	0.1250
28	11.609		50915	6223	188229	8	0.0509
29	12.062		50697	5469	107332	9	0.0507
30	12.386		47578	5136	107308	9	0.0476
31	12.717		33089	2541	76770	13	0.0331
32	13.272		20877	2593	124152	8	0.0209
33	13.391		28030	3531	135310	8	0.0280
34	13.501		12788	1519	113756	8	0.0128
35	13.984		125491	13600	1 8375	9	0.1255
36	14.511		21024	2830	108457	9	0.0210
37	14.829		137524	14842	103711	10	0.1375
38	16.485		22799	3187	45934	10	0.0228
39	17.092		7806	615	78720	13	0.0078
40	17.391		11561	971	94281	12	0.0115
41	18.209		114552	7312	68199	15	0.1146
42	19.846	DBC	790582	45699	456394	17	0.1000
44	22.228		13126	595	45304	22	0.0131
45	25.165		6143	347	56363	18	0.0062
			10377224	1570166			7.5448

Group **Report** For : **Technical Chlordane**

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
14	6.879	CHLORDANE-A	423715	57759	462071	7	0.1250
15	7.299	CHLORDANE-B	64681	5577	23615	8	0.1250
26	10.582	CHLORDANE-C	1257460	103437	327496	12	0.1250
27	11.184	CHLORDANE-D	395971	37294	598351	10	0.1250
			2641827	257067			0.5000

Report Stored **in ASCII File:** C:\2700\DATA0\DP09016.TXO

3200745

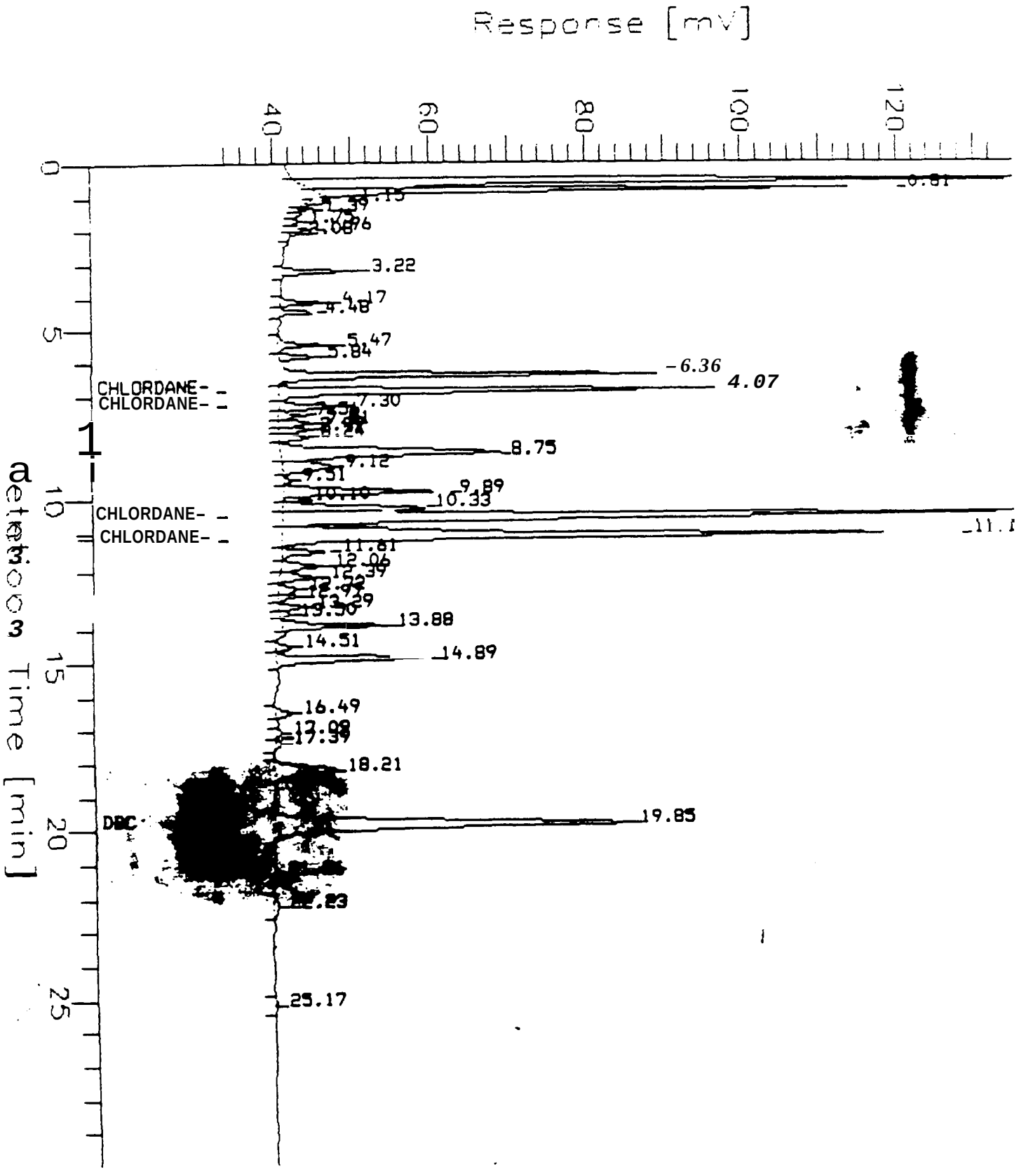
Chromatogram

000317

FileName : C:\2700\DATA0\DP09016.raw
Start Time : 0.00 min
Scale Factor : [illegible]
End Time : 30.00 min
Plot Offset: 34 mV

Date : 4/9/91 9:26 AM
Lor Point : 33.99 mV
Plot Scale: 100 mV

High Point : 133.99 mV



Sample Name : Q10316501 Time : 4/9/91 5:55
Sample Number: P32 W001 Study :
Operator : LWM

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Sample Vial : 0/0

Data Acquisition Time: 4/9/91 5:33 PM
Delay Time : 0.00 min.
End Time : 0.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP09010.raw
Result File : C:\2700\DATA0\DP09010.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\PCB608D.smp
Sequence File : C:\2700\DP0991.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 3500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 1.00
Divisor : 1.0000 Additive Constant: 0.00

Instrument Conditions:
HP5890B

Total Number of Peaks Detected: 25

WATER SAMPLE ANALYSIS

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	AMOUNT [ug/l]
1	0.546		5846464	923852	5.8465
2	0.783		210707	43280	0.2107
3	0.995		59013	18715	0.0590
4	1.123		23090	8879	0.0231
5	1.196		75994	20618	0.0759
6	1.395		43341	14216	0.0433
7	1.545		109391	31584	0.1094
8	1.668		28106	8728	0.0281
9	2.009		10924	1728	0.0109
10	2.126		11676	2547	0.0117
11	2.681		21318	3246	0.0213
12	3.890		1181762	243394	1.1818
13	3.610		14420	2677	0.0144
14	3.844		347756	66669	0.3478
15	5.523		4946	623	0.0050
16	6.408		9829	1538	0.0098
17	6.630		10073	1227	0.0101
18	8.349		137958	13854	0.1380
19	9.431		3054	391	0.0031
20	12.405		36492	476	0.0365

No Toxaphene OR Technical Chlordane Detected

3200740

21	13.091		553241	84159	.5532
22	17.393		49826	4054	[illegible]
23	18.197		155274	10529	[illegible]
24	19.836	DBC	566964	33606	[illegible] % Recovery
25	21.358		220099	3115	[illegible]
			2701712	1543705	

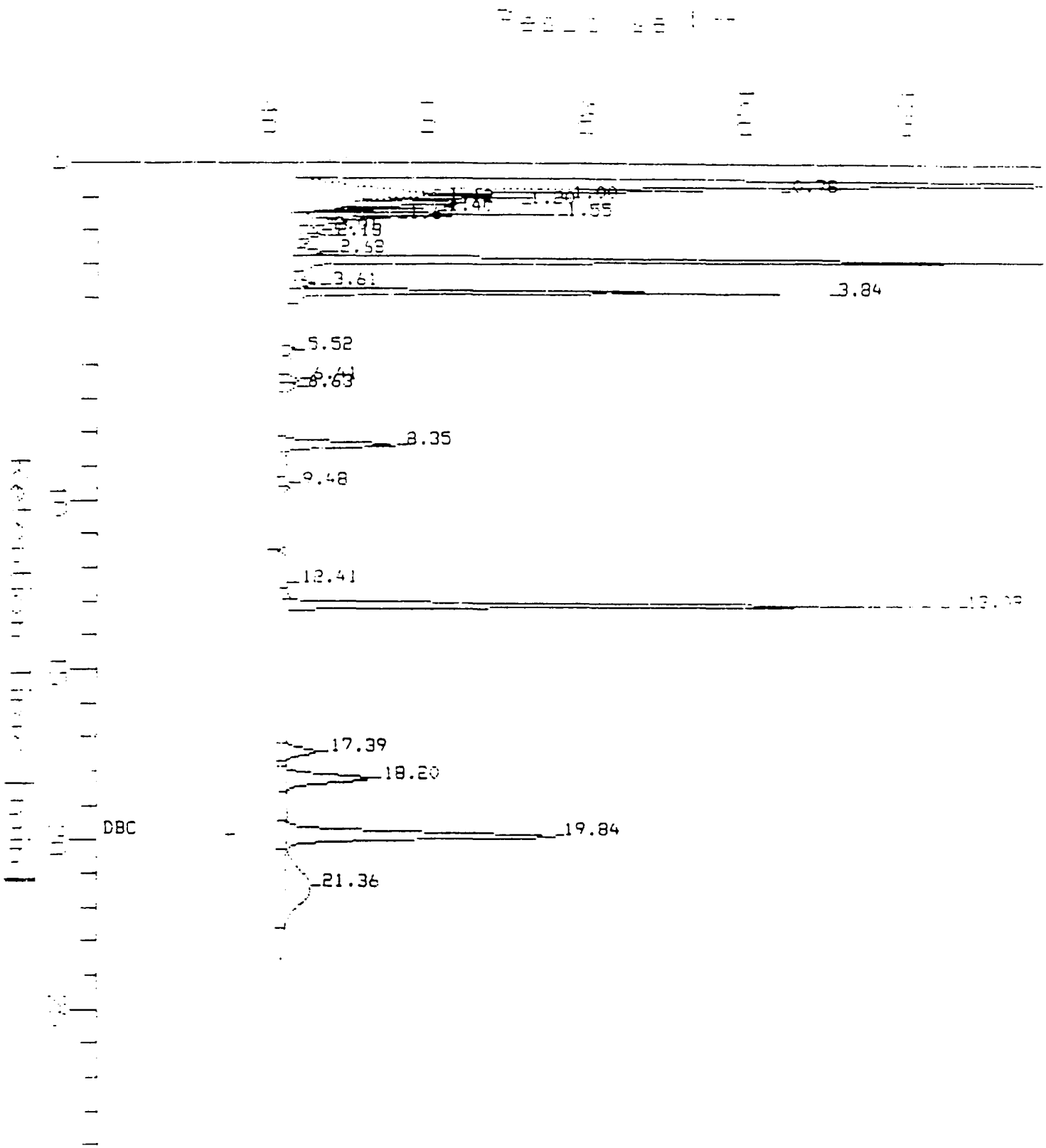
000319

LM 4-9-91

Report Printed in ASCII File: [illegible]

Chromatogram

000320



3200747

Sample Name : 010316502 Time : [illegible] 91 5:30 AM
Sample Number: P32 W066 Study :
Operator : LWM

Interface # : 0 Channel : 8 A/D mV Range : 1000
AutoSampler : None attached
Rate/Vial : 0/0

Data Acquisition Time: 4/9/91 5:58 AM
Delay Time : [illegible] min.
End Time : [illegible] min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP09011.raw
Result File : C:\2700\DATA0\DP09011.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\PCB608D.smp
Sequence File : C:\2700\DP0991.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area threshold : 3500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 1.00
Divisor : 1.0000 Additive Constant: 0.00

Instrument Conditions:
HP5890B

Total Number of Peaks Detected: 36

WATER SAMPLE ANALYSIS

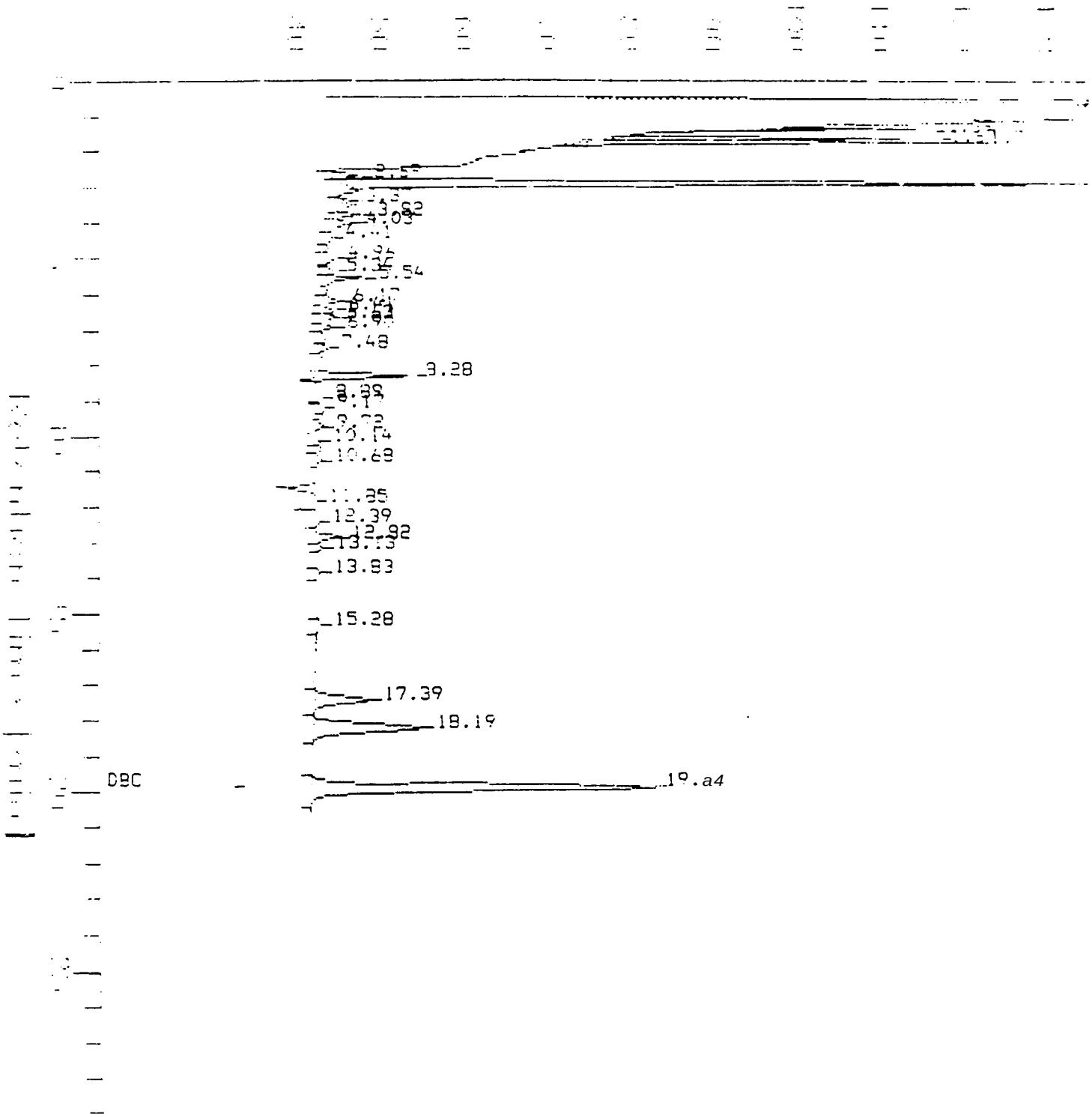
Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	AMOUNT [ug/l]
1	[illegible]		5612538	485931	5.5125
2	0.675		315128	-599956	0.3151
3	[illegible]		292108	179702	0.2921
4	0.810		1346740	343092	1.3467
5	1.394	NO TOXAPHENE	32700	24568	[illegible]
6	1.670	OR	140516	40986	[illegible]
7	1.765	TECHNICAL Chlordane	172644	47882	[illegible]
8	2.693	DETECTED	20942	3811	0.0209
9	2.892		1153954	241663	1.1540
10	3.371		5332	891	0.0053
11	3.818		17480	3631	[illegible]
12	4.027		21568	3126	0.0216
13	4.412		7178	709	[illegible]
14	4.960		11245	1124	0.0112
15	5.344		9030	1214	[illegible]
16	5.537		37504	4819	0.0375
17	5.166		14351	2112	[illegible]
18	5.410		11425	1773	0.0114
19	5.625		19401	1983	[illegible]
20	5.905		11484	1819	0.0115

21	7.480		4935	887	[illegible]	
22	8.260		80012	12255	[illegible]	
23	8.896		17952	734	.0181	
24	9.166		3899	444	[illegible]	
25	9.715		3758	915	[illegible]	
26	10.144		3975	461	[illegible]	
27	10.676		7616	7.2	[illegible]	
28	11.852		79996	2353	[illegible]	
29	12.036		39466	1155	[illegible]	
30	12.822		27368	2811	[illegible]	
31	13.136		5103	884	[illegible]	
32	15.329		5308	620	[illegible]	
33	15.282		5439	456	[illegible]	
34	17.390		34881	4822	[illegible]	
35	18.140		196931	13211	[illegible]	
36	19.038	DSC	697071	41233	74.[illegible]	% Recovery
			1058438	876693		

LM 4-9-91

Report stored in ASCII File: C:\3700 DATA\ [illegible]

Chromatogram



000324

Sample Name : D10316503 Time : 4/9/91 7:05 AM
Sample Number: P32 WF802 Study :
Operator : LWM

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9 91 6:32 AM
Delay Time : 0.00 min.
Run Time : 30.10 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP09012.raw
Result File : C:\2700\DATA0\DP09012.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\PCB608D.smp
Sequence File : C:\2700\P0991.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 3500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 1.00
Divisor : 1.0000 Additive Constant: 0.00

Instrument Conditions:
HP5890/7B

Total Number of Peaks Detected: 24

WATER SAMPLE ANALYSIS

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	AMOUNT [ug]
1	0.541		5622762	928303	5.6229
2	0.787		275299	40820	0.3752
3	[illegible]		110055	28353	0.1101
4	1.122		7778	3115	0.0078
5	1.200		36207	9035	0.0362
6	1.393		61976	15243	0.1520
7	1.545		104392	29469	0.1044
8	1.669		39418	10710	0.0394
9	1.774		19598	3651	0.0196
10	2.139		5953	1552	0.0060
11	2.687		8403	1308	0.0084
12	2.891		1261793	261091	1.2618
13	3.634		4941	752	0.0049
14	3.837		48414	9317	0.0484
15	5.521		5431	730	0.0054
16	5.898		6109	532	0.0061
17	6.408		10326	1665	0.0103
18	6.580		10392	1152	0.0104
19	8.282		63045	9237	0.0630
20	12.221		47191	582	0.0472

No Toxaphene AND Technical Chlordane Detected

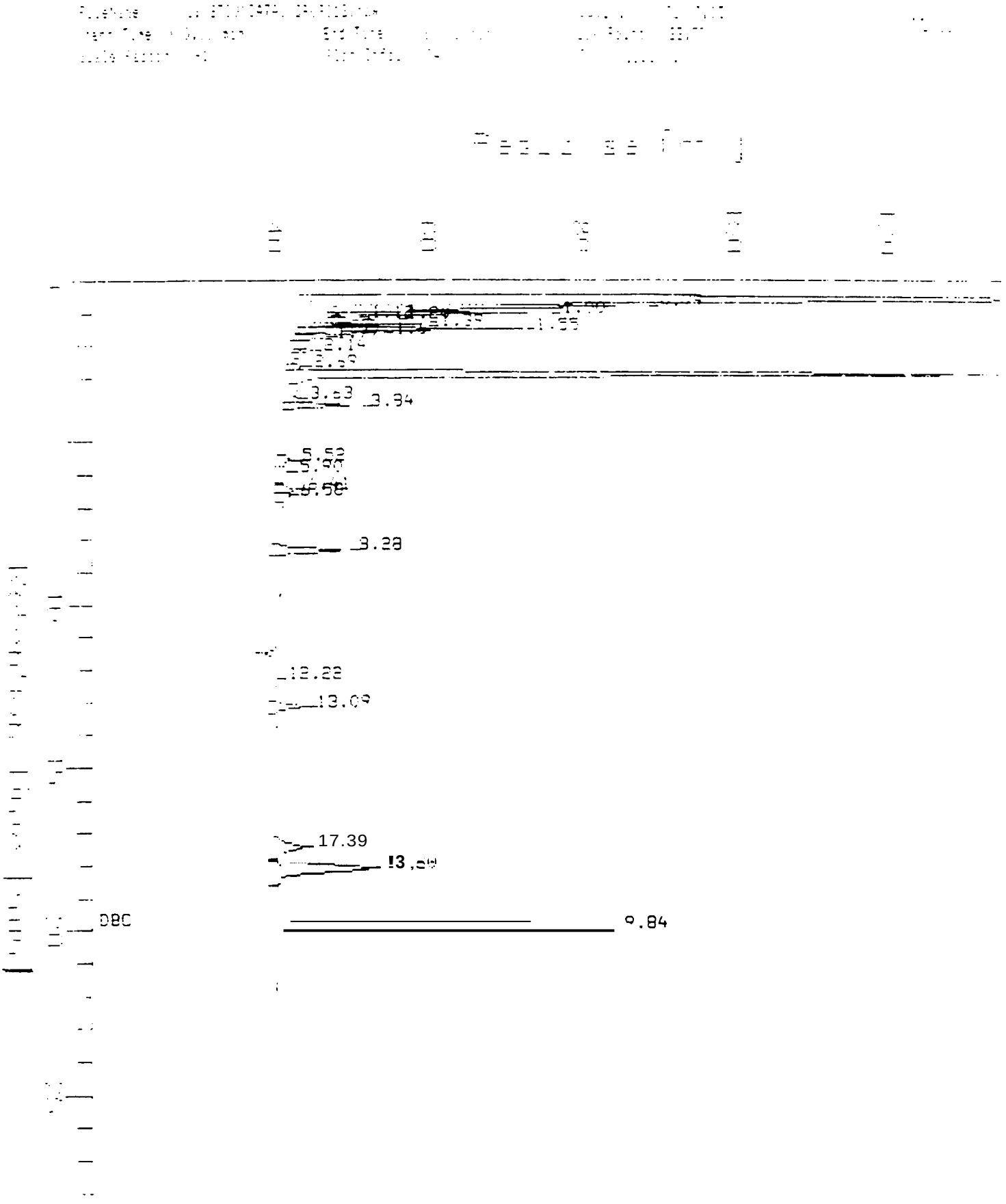
3200743

21	13.991		27134	4161	[illegible]	
22	17.394		41011	3239	[illegible]	
23	18.197		181756	12199	[illegible]	
24	19.839	DBC	730074	42679	[illegible]	% Recovery
			3737444	1418955		Lm 4-9

[illegible] Filed in ASCII File: [illegible] DP [illegible]

Chromatogram

000326



3200750

UU0327

Sample Name : BLANK 4-1-91 Time : 4/9/91 8:15 AM
Sample Number: BLK162,165 Study :
Operator : LWM

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 7:43 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP09014.raw
Result File : C:\2700\DATA0\DP09014.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\PCB608D.smp
Sequence File : C:\2700\DP0991.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 3500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 1.00
Divisor : 1.0000 Additive Constant: 0.00

Instrument Conditions:
HP58907B

Total Number of Peaks Detected: 26

JRL 4-12-91

WATER SAMPLE ANALYSIS

Peak #	Ret Time tminl	Componcnt Name	Area [uV-sec1	Height [uV]	AMOUNT ug/1
1	0.546		5752990	926402	5.7530
2	0.785		334252	48669	0.3343
3	1.001		144822	40691	0.1448
4	1.12s	NO	16301	6346	0.0163
5	1.195		55255	15340	0.0553
6	1.394	OXAPHENE	117499	30735	0.1175
7	1.543	OR	118729	33490	0.1187
8	1.669		28843	7911	0.0288
9	1.772	TECHNICAL CHLORDANE	33476	6207	0.0335
10	2.131	DETECTED	8084	2034	0.0081
11	2.690		12881	2383	0.0129
12	2.892		1231733	255240	1.2317
13	3.359	LSG 4-9-91	11135	1565	0.0111
14	3.645		8929	1504	0.0089
15	3.823		20728	3940	0.0207
16	4.036		6877	1142	0.0069
17	5.901		4159	771	0.0042
18	6.410		10633	1681	0.0106
19	6.427		15638	1758	0.0156
20	8.284		167063	23474	0.1671

UU0328

21	9.377		5089	766	0.0051
22	9.636		22297	3373	0.0223
23	11.851		17624	495	0.0176
24	17.392		154586	11883	0.1546
25	18.197		208544	13647	0.2085
26	19.845	DBC	739165	42882	77.9402
			9247331	1484337	

Report Stored in ASCII File: C:\2700\DATA0\DP09014.TXO

3200751

Chromatogram

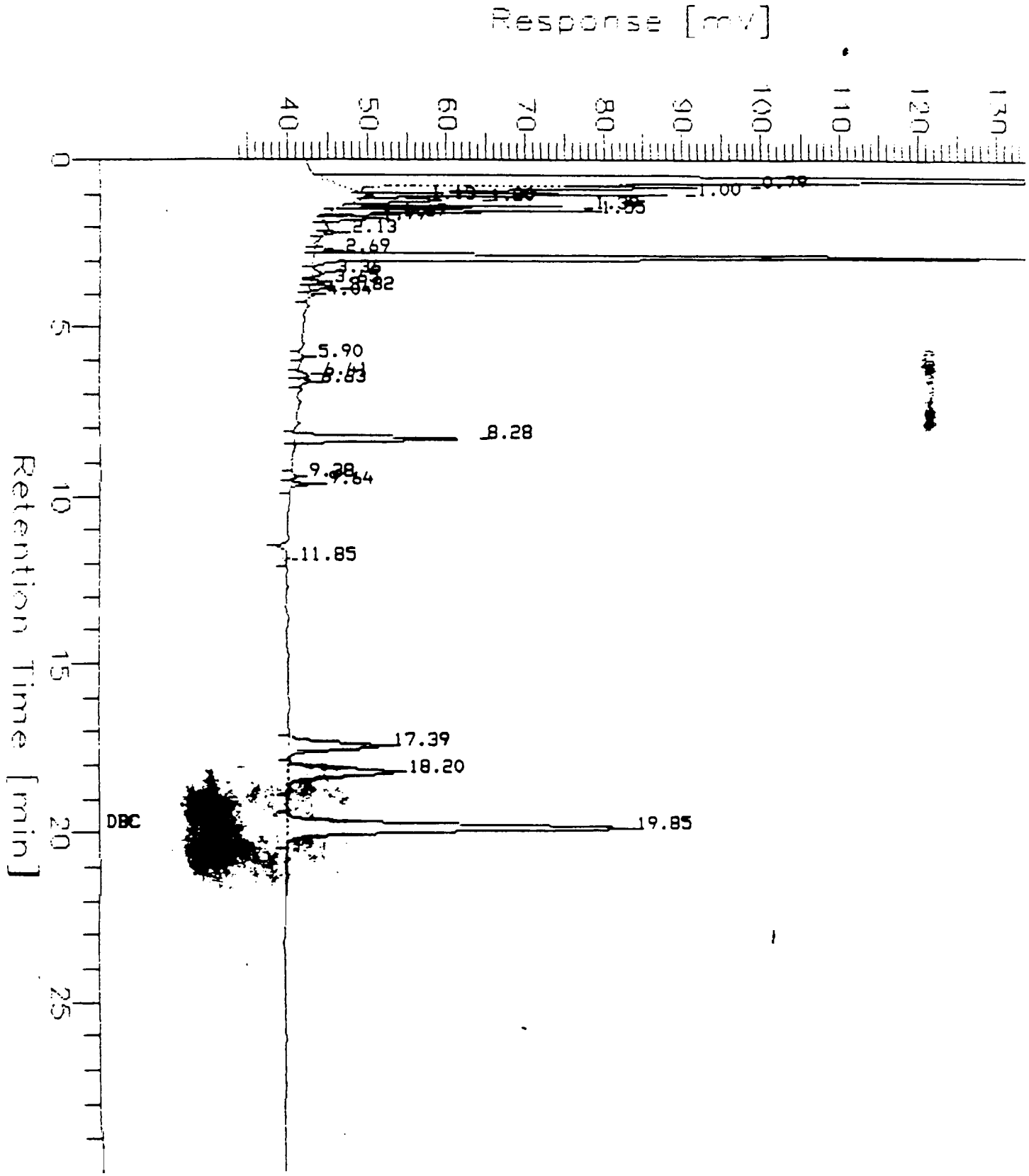
000329

FileName : C:\2700\DATA0\DP09014.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 34 mV

Date : 4/9/91 8:16 AM
Low Point : 33.64 mV
Plot Scale: 100 mV

High Point : 133.64 mV



TECHNOLOGY CORPORATION

000330

Aquired 4-6-91 RL 4-12-91

By LM Date 4-8-91 Subject ~~TCLP Pesticide Standards~~ Sheet No. ___ of ___

Chkd. By KLG Date 4/8/91 Tox & Chlor. only Proj. No. ___

Compound	Low	Med Low	Med	Med High	High	$\bar{X}$	%R
TC mx	2394601	2811745	2789843	2609833	2484100	2718024	6.1
γ-BHC	2517044	2599408	2675940	2595230	2644156	2606356	2.3
Heptachlor	1986346	2006150	1999981	1890608	1911261	1958869	2.7
Heptachlor Epox.	1646946	1663895	1669639	1588265	1559481	1625645	3.0
Endrin	941129	919426	874980	840029	870317	889176	4.6
Methoxychlor	248189	255249	241787	228091	3225763 LM 4-8-91	239816	5.3
DBC	409564	403031	398735	378191	369540	391812	4.4

Compound	Low	Med Low	Med	Med High	High	$\bar{X}$	%RSD
Toxaphene	45850 LM 4-8-91 ~~91700~~	47311	45672	46596	45760	46238	1.5
DBC	553500	541920	517270	522113	507680	5852849 LM 4-8-91	3.5

Compound	Low	Med Low	Med	Med High	High	$\bar{X}$	%RSD
Tech. Chlordane	463184	450184	453374	447835	469128	455141	1.5
DBC	451940	421960	412470	413160	424175	424741	3.8

3200752

108-10-85

Sample Name : LOW TOX
Sample Number: 1-286-7
Operator : SJG

Time : 4/7/91 8:09 PM
Study :

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/6/91 2:16 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP0500B.raw
Result File : C:\2700\DATA0\DP0500B.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\TOX608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TOXAPHENE ON DB608

==========
CONCENTRATION .50 ug/ml
==========

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.503		2307991	721923	312805	3	2.3079
2	0.809		170978	36101	211269	5	3.1709
3	1.389		11619	3172	273032	4	0.0116
4	1.759		7232	1792	246350	4	0.0072
5	6.517		5914	720	121470	8	0.0059
6	6.853		12184	1754	144093	7	0.0122
7	0.247		8871	883	99482	10	0.0089
8	8.985		19273	2403	124679	8	3.0193
9	9.449		4337	633	99899	10	0.3063
10	19.951		13343	1868	139997	7	0.0133
			37001	33W	91869	11	3.0370
12	10.980		23729	3167	133459	9	0.0237
13	11.203		18304	1496	81730	12	0.0183
14	11.619		28744	3080	107160	9	0.0287
15	11.963		21269	2881	135443	1	0.0213
16	12.147		23151	3052	131817	8	0.0232
17	12.329		37021	4821	130216	8	0.0370
18	12.675		5531	1024	185045	5	0.0055
19	12.891	Toxaphene a	53040	6397	6397	6	1.0000
20	13.219		62811	6310	100455	10	0.0628
21	13.830		15164	2165	142754	1	0.0152
22	14.207		45309	4285	94579	11	0.0453
23	14.676	Toxaphene b	157868	10514	10514	15	1.0000

25	15.853		66856	6567	98227	10	0.0669
26	16.189		22914	2685	117192	9	0.0229
27	17.017	Toxaphene c	86413	6014	6014	14	1.0000
28	17.418		16244	1912	117710	9	0.0162
29	17.696		6155	711	115586	9	0.0062
30	18.120		42838	3008	70219	14	0.0428
31	19.417		137249	8099	59011	17	0.1373
32	19.804	DBC	560724	27675	276752	20	0.1000
33	20.814		18378	1438	78264	13	0.0184
34	22.533		140593	3770	26815	37	0.1406
35	23.134		71268	2414	33874	30	0.0713
36	23.834		11720	652	55622	18	0.0117
37	25.175		49133	2234	45466	22	0.0491
38	26.026		14567	636	43638	23	0.0146
			4386873	895801			6.6288

Group Report For : TOX

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
19	12.891	Toxaphene a	53040	6397	6397	8	1.0000
23	14.676	Toxaphene b	157868	10514	10514	15	1.0000
27	17.017	Toxaphene c	86413	6014	6014	14	1.0000
			297321	22925			3.0000

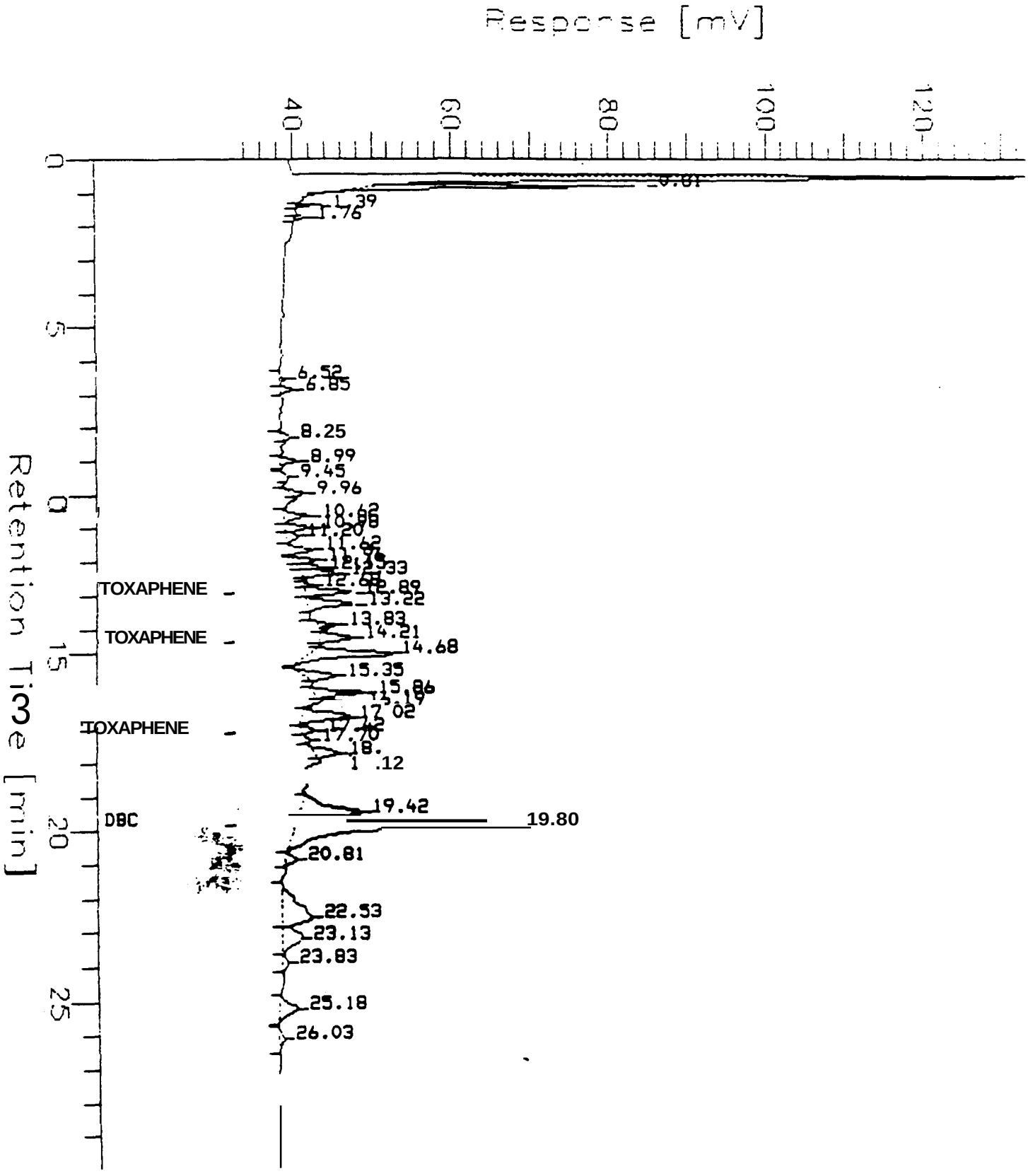
Report Stored in ASCII File: C:\2700\DATA0\DP05008.TXO

FileName : C:\2700\DATA0\DP05008.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 32 mV

Date : 4/7/91 8:09 PM
Lor Point : 32.39 mV
Plot Scale: 100 mV

High Point : 132.39 mV



Sample Name : MLOW TOX Time : 4/7/91 0 0 3 3 4
Sample Number: 2-286-7 Study
Operator : SJG

Interface # : 0 Channel : E A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/6/91 2:51 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05009.raw
Result File : C:\2700\DATA0\DP05009.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\TOX608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

TOXAPHENE ON DB608

CONCENTRATION .75 ug/ml

Peak #	Ret Tire [min]	Component Name	Area [uV-sec]	Height [uV]	AF HEIGHT	RF AREA	Amount [ug/ml]
1	0.504		3009272	903315	300170	3	3.0093
2	0.809		223036	50814	227830	4	0.2230
3	1.390		17920	5020	200149	4	0.0179
4	1.760		7120	1794	252028	4	0.0071
5	b.514		13037	1577	120978	a	0.0130
5	7.135		10526	699	66438	15	0.0105
7	8.200		9993	1302	130263	8	0.0100
8	8.740		7372	778	105472	10	0.0074
9	8.989		30610	3781	123519	8	0.0306
10	9.452		8540	096	104967	10	0.0085
11	9.945		17301	2017	116583	9	0.0173
12	10.122		16047	1929	120210	8	0.0161
13	10.614		56950	5202	91339	11	0.0570
14	10.982		37264	4904	133735	8	0.0373
15	11.251		30257	2414	79789	13	0.0303
16	11,513		46285	4891	105671	10	0.0463
17	11.963		33526	4554	135830	7	0.0335
18	12.148		34907	4778	136573	7	0.0350
19	12.329		61170	7623	124617	8	0.0612
20	12.507		9840	1849	187856	5	0.0098
21	12.676		8087	1439	177929	6	0.0081
22	12.391	Toxaphene a	02437	9709	9709	9	1.0000
23	13.219		97618	9599	98334	10	0.0976

3200754

25	14.210		71876	6910	96131	10	0.0719
26	14.669	Toxaphene b	241605	16127	16127	15	1.0000
27	15.347		80245	6712	93647	12	0.0803
28	15.861		106512	10290	96611	10	0.1065
29	16.186		35623	4472	125526	8	0.0356
30	17.012	Toxaphene c	136493	9648	9648	14	1.0000
31	17.420		29896	3179	106344	9	0.0299
32	17.701		21431	1885	87962	11	0.0214
33	18.112		104619	5931	56696	18	0.1046
34	18.334		30291	3094	102140	10	0.0303
35	19.430		238931	13087	54772	18	0.2389
36	19.805	DBC	827629	40644	406444	20	0.1000
37	20.808		29173	2286	78369	13	0.0292
38	22.531		218349	5761	26395	38	0.2184
39	22.975		70129	2783	39681	25	0.0701
40	23.834		20406	1023	50109	20	0.0204
41	25.175		75264	3444	45758	22	0.0753
42	26.024		21787	962	44152	23	0.0218
			6257262	1172866			8.0691

Group Report For : TOX

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
22	12.891	Toxaphene a	82437	9709	9709	9	1.0000
26	14.669	Toxaphene b	241605	16127	16127	15	1.0000
30	17.012	Toxaphene c	136493	9648	9648	14	1.0000
			460535	35483			3.0000

Report Stored in ASCII File: C:\2700\DATA0\DP05009.TXO

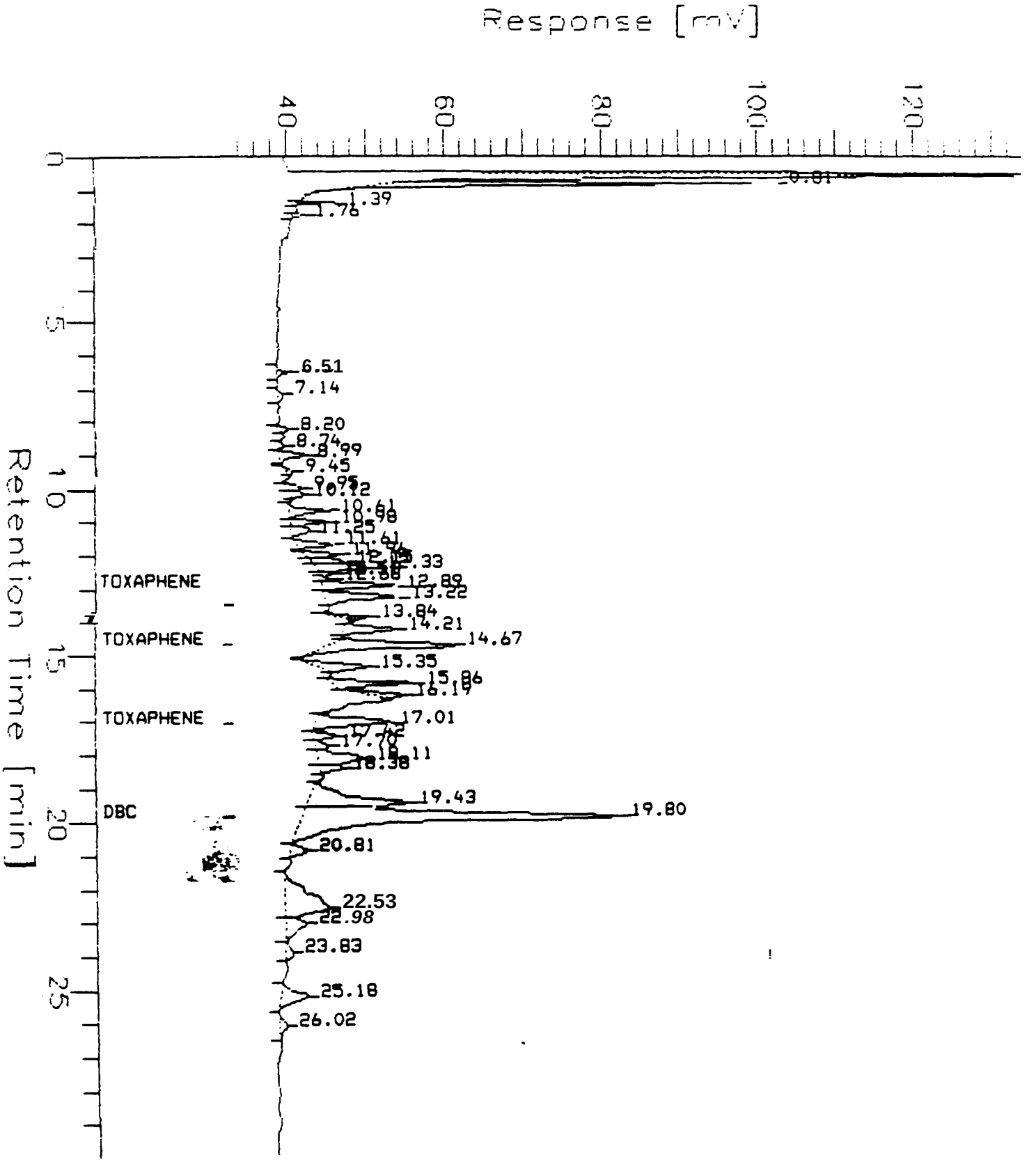
Chromatogram

000336

FileName : C:\2700\DATA0\DP05009.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 33 mV

Date : 4/7/91 8:13 PM
Low Point : 32.92 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 132.92 mV



3200755

Sample Name : MED TOX
Sample Number: 3-309-7
Operator : SJG

Time : 4/7/91 8:17 PM
Study

Interface # : 0 Channel : E A/D mV Range : 1000 000337
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/6/91 3:26 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05010.raw
Result File : C:\2700\DATA0\DP05010.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\TOX608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TOXAPHENE ON DB608

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CONCENTRATION 1.0 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.513		3997332	931915	233134	4	3.3973
2	0.810		625988	114442	182818	b	0.6260
3	1.388		8586	2467	287299	4	0.0086
4	1.759		7521	1892	251584	4	0.0075
6	7.140		15285	1014	66330	15	0.0153
7	8.261		38002	2691	70807	14	0.0380
8	8.989		39819	4836	121443	8	0.0398
9	9.445		13595	1379	101431	10	0.0136
10	9.941		24979	2720	108888	9	0.0250
11	10.120	?	35849	3361	93704	11	0.0359
12	10.612		71494	6645	92949	11	0.0715
13	10.093		44522	6369	143051	7	0.0445
14	11.236		30717	2678	87185	12	0.0307
15	11.017		56802	6236	109782	9	0.0568
16	11.967		42641	5725	134240	7	0.0127
17	12.150		45881	6040	131642	8	0.0459
18	12.329		74969	9903	132098	e	0.0750
20	12.671		14187	2433	171492	6	9.0142
21	12.394	Toxaphene a	110111	12924	12924	9	1.0000
22	13.210		125179	12354	98693	10	0.1252
23	13.827		35639	5005	140444	7	0.0356
24	14.221		93455	9045	96782	10	0.0935
25	14.662	Toxaphene b	311474	20389	20389	15	1.0000

27	15.849		134228	13298	99072	10	0.1342
28	16.187		47507	5781	121694	8	0.0475
29	17.010	Toxaphene c	180835	12359	12359	15	1.0000
30	17.415		37403	3918	104738	10	0.0374
31	17.701		28254	2380	84249	12	0.0283
32	17.976		28789	6886	239182	4	0.0288
33	18.120		107521	7566	70368	14	0.1075
34	19.377		38172	3907	102357	10	0.0382
35	19.416		312214	16970	54353	18	0.3122
36	19.801	DBC	1050424	51727	517266	20	0.1000
37	20.804		37570	2930	77982	13	0.0376
38	21.970		53454	3090	57804	17	0.0535
39	22.538		225736	7482	33144	30	0.2257
40	22.974		86131	3480	40400	25	0.0861
41	23.835		26012	1312	50430	20	0.0260
42	25.182		97465	4482	45986	22	0.0975
43	26.027		28134	1258	44703	22	0.0281
44	28.910		12280	474	38571	26	0.0123
			8497090	1330132			9.9443

000338

Group Report For : TOX

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
21	12.894	Toxaphene a	110111	12924	12924	9	1.0000
25	14.662	Toxaphene b	311474	20389	20389	15	1.0000
29	17.010	Toxaphene c	180835	12359	12359	15	1.0000
			602420	45672			3.0000

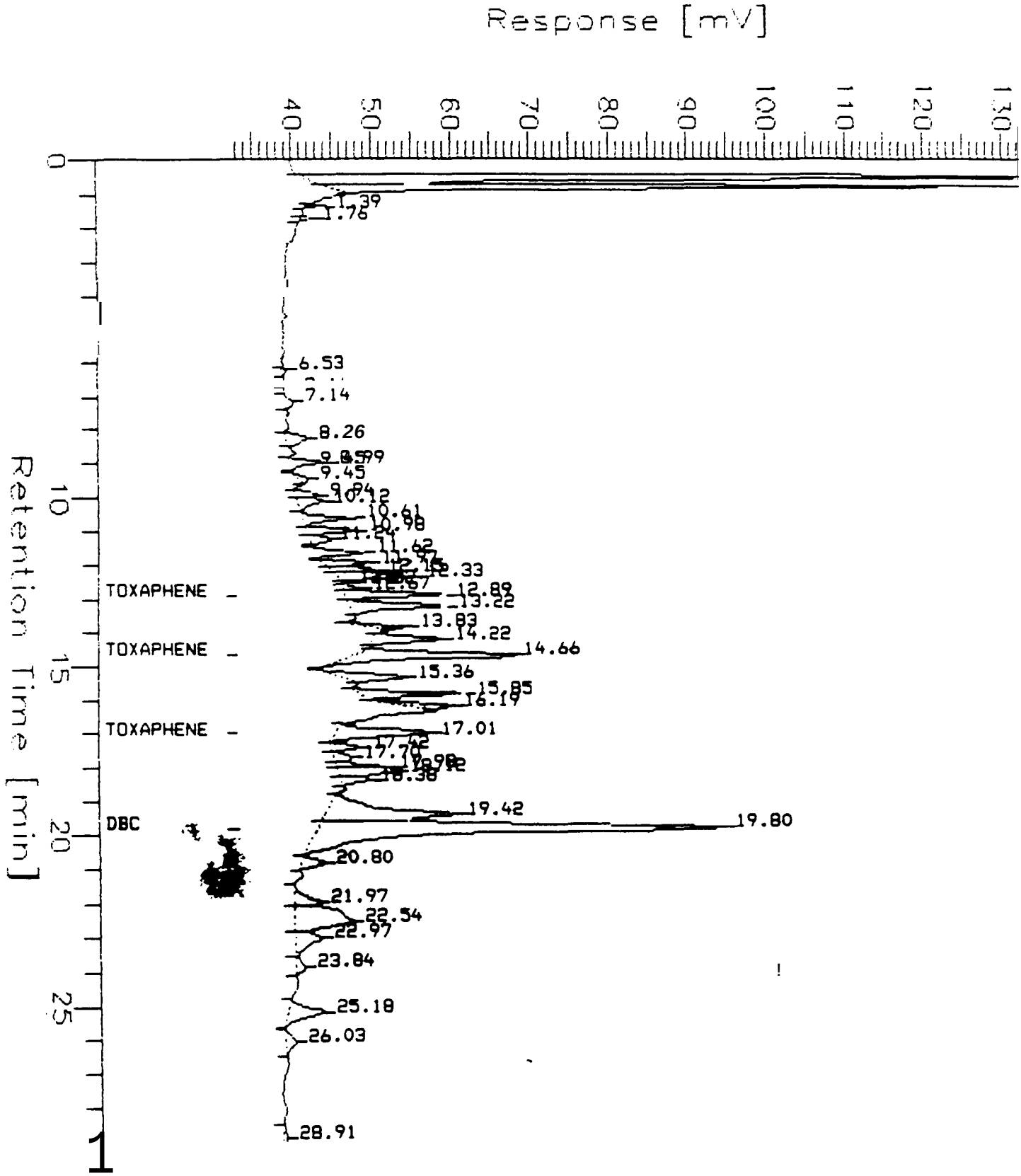
Report Stored in ASCII File: C:\2700\DATA0\DP05010.TXO

3200750

FileName : C:\2700\DATA0\DP05010.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 33 mV

Date : 4/7/91 8:17 PM
Low Point : 32.74 mV
Plot Scale: 100 mV

000339



Sample Name : MHI TOX
Sample Number: 4-286-7
Operator : SJG

Time : 4/7/91 8:20 PM
Study :

000340

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/6/91 4:01 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05011.raw
Result File : C:\2700\DATA0\DP05011.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\TOX608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

TOXAPHENE ON DB608

CONCENTRATION 1.5 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.521		4675861	931020	139112	5	4.6759
2	1.306		422802	78729	136208	5	0.4228
3	1.339		12522	3500	279476	4	0.0125
4	1.756		5932	1534	258623	4	0.0059
5	4.649		5421	279	180690	6	0.0054
6	5.293		12670	1782	140646	7	0.0127
7	8.747		5868	1314	172859	6	0.0059
10	9.987		57922	7175	123866	8	0.0579
11	9.441		14979	1657	110612	7	0.0150
12	9.944		27005	3176	117592	9	0.0270
13	10.115		27090	3100	114414	3	0.0271
14	10.515		102308	9490	92762	11	0.1023
15	10.984		63239	5178	141976	1	0.0632
16	11.251		41577	3538	35393	12	0.0416
17	11.615		78770	3622	109454	9	0.0798
18	11.965		62174	a424	135494	?	0.0622
19	12.145		67091	5901	132675	a	0.0671
20	12.324		108967	14494	133014	a	0.1090
21	12.516		6172	1547	250586	4	0.0062
22	12.678		19396	3415	135373	b	0.0194
23	12.391	Toxaphene a	161529	19250	19250	6	1.0000
24	13.212		186075	18092	97231	10	0.1861
25	13.832		53424	7428	131037	7	0.0534

3200757

000341

27	14.5[illegible]	Toxaphene a	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	15.347		163586	13367	31714	12	0.1636
29	15.848		205409	20378	99208	10	0.2054
30	16.185		74794	9006	120404	8	0.0748
31	17.023	Toxaphene c	276394	18977	18977	15	1.0000
32	17.419		60672	6248	102975	10	0.0607
33	17.790		55244	4465	80820	12	0.0552
34	18.198		230126	12513	54307	18	0.2301
35	18.374		83338	7531	90361	11	0.0833
36	18.637		18399	2273	123594	8	0.0184
37	19.416		479583	35680	53547	19	0.4796
38	19.801	DBC	1617370	78317	783174	21	1.6170
39	20.806		58801	4643	78967	13	0.0588
40	21.948		92386	5416	58624	17	0.0924
41	22.530		383705	12187	31761	32	0.3837
42	22.997		179924	6384	35421	28	0.1799
43	23.844		89050	3537	39717	25	0.0891
44	24.369		64184	1999	31150	32	0.0642
45	25.170		185803	7949	42781	23	0.1858
46	26.035		59780	2297	39430	26	0.0598
47	26.739		25263	991	39223	26	0.0253
48	28.108		17603	695	39468	25	0.0176
49	28.921		27565	944	34253	29	0.0276
			11281753	1436925			11.8543

Group Report **For : TOX**

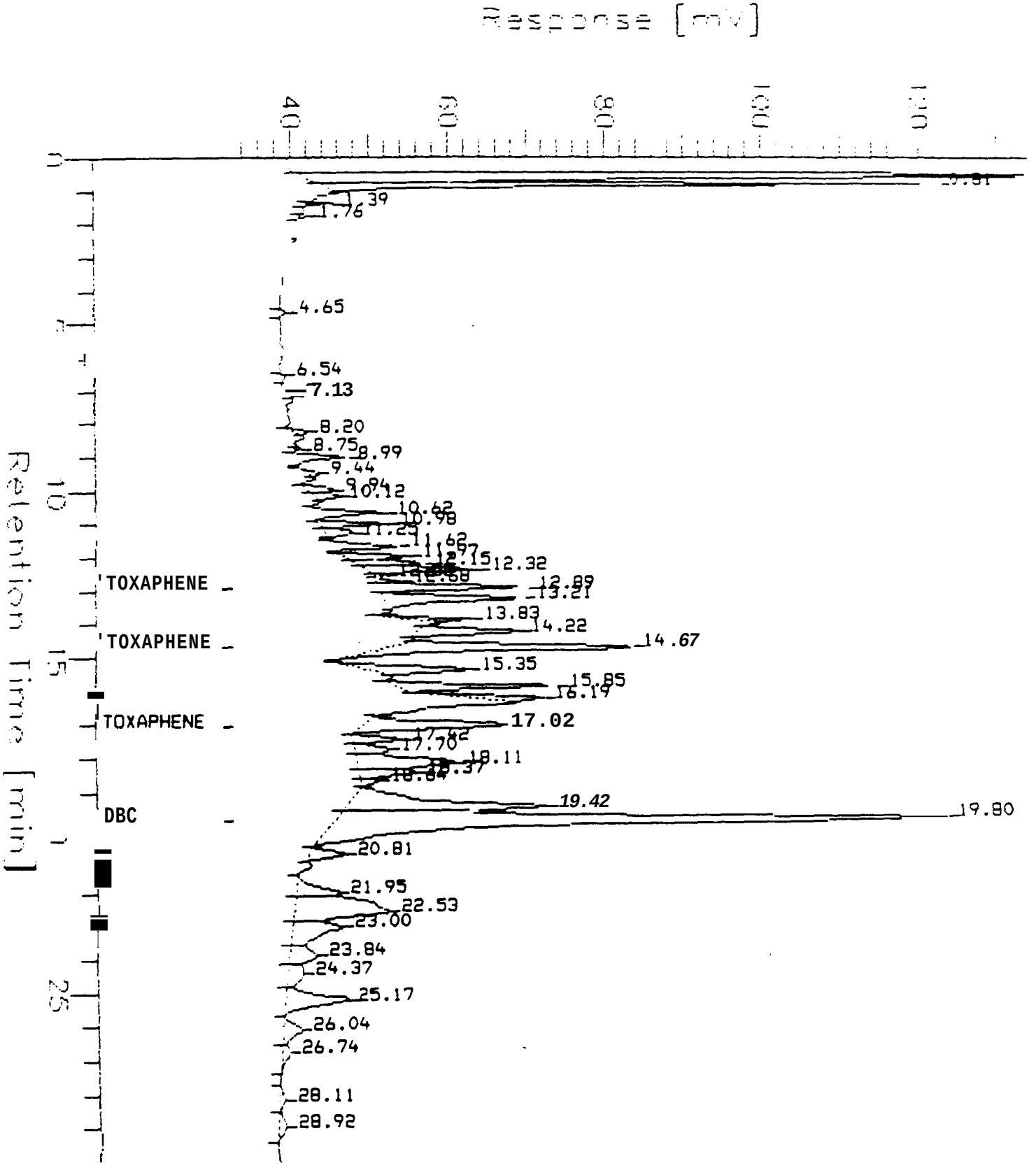
Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
23	12.391	Toxaphene a	161529	19250	19250	8	1.0000
27	14.674	Toxaphene b	472128	31667	31667	15	1.0000
31	17.023	Toxaphene c	276394	18977	18977	15	1.0000
			910050	69894			3.0000

Report Stored **in ASCII Filer C:\2700\DATA0\DP05011.TXO**

Chromatogram

000342

FileName : C:\2700\DATA0\DP05011.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 32 mV
Date : 4/7/91 3:20 PM
Low Point : 32.42 mV
Plot Scale: 100 mV
Page 1 of 1
High Point : 132.42 mV



3200753

Sample Name : HIGH TOX
Sample Number: 5-286-7
Operator : SJG

Time : 4/7/91 8:24 PM
Study : 000343

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: *4/6/91* 4:36 AM
Delay Time : **0.00** min.
End Time : ***30.00*** min.
Sampling Rate : **2.0000** pts/sec

Raw Data File : C:\2700\DATA0\DP05012.raw
Result File : C:\2700\DATA0\DP05012.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\TOX608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : **5000.00**
Sample Amount : **1.0000**

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TOXAPHENE ON DB608

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CONCENTRATION 2.0 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.529		5042819	937363	185881	5	5.0428
2	0.803		472911	87499	185023	5	0.4729
3	1.389		14766	4168	292255	4	0.0148
4	1.758		6629	1674	252558	4	0.0066
5	4.652		6409	1185	184842	5	0.0064
8	6.542		5537	524	94634	11	0.0055
11	7.925		9125	747	81894	12	0.0091
12	8.193		28640	3501	122242	8	0.0286
13	8.392		19035	2118	111286	9	0.0190
14	8.747		20743	1757	84684	12	0.0207
15	8.985		74371	9264	121569	3	0.0744
16	9.439		17945	2025	112853	7	0.0179
17	9.946		34589	4070	117656	7	0.0346
18	10.122		31554	3535	112039	9	0.0316
19	10.608		131568	12292	83427	11	0.1316
20	10.980		93077	11907	141957	7	0.0839
21	11.208		60490	5129	84792	12	0.0605
22	11.616		104543	11113	106301	7	0.1045
23	11.765		79843	10678	133732	8	0.0798
24	12.149		86134	11515	133688	8	0.0861
25	12.328		141321	19852	133402	9	0.1413
26	12.513		8132	2120	250683	4	0.0081
27	12.673		26629	4640	174251	6	0.0266

000344

29	13.214		240046	22973	95297	11	0.2401
30	13.332		192353	15629	81244	12	0.1924
31	14.209		243517	20186	82893	12	0.2435
32	14.663	Toxaphene b	624435	41382	41382	15	1.0000
33	15.350		215834	17650	81775	12	0.2158
34	15.843		268395	36157	37456	10	0.2684
35	16.127		105712	12238	115766	9	0.1057
36	17.013	Toxaphene c	368480	25151	25151	15	1.0000
37	17.421		79510	8533	107314	9	0.0795
38	17.667		75944	6057	73753	13	0.0759
39	18.193		303899	15465	54245	18	0.3039
40	18.335		110014	9962	50552	11	0.1100
41	18.625		28097	3150	103559	9	0.0281
42	19.417		339549	34138	53462	19	0.3396
43	19.799	DBC	1128072	101536	1015355	31	0.1000
44	20.811		37309	6562	75162	13	0.0373
45	21.181		21096	1656	78479	13	0.0211
46	21.955		128625	7412	57627	17	0.1286
47	22.526		509946	16242	31362	31	0.5100
48	23.375		336470	9499	35243	28	0.3365
49	23.520		125630	4714	37521	27	0.1256
50	24.230		34644	2710	32012	31	0.0346
51	25.161		255892	12883	42529	24	0.2559
52	26.031		81309	3133	38535	26	0.0813
53	26.725		36267	1401	38626	26	0.0363
54	28.113		28908	1047	36201	28	0.0289
55	28.906		36893	1308	33629	30	0.0369
			13974389	1599260			13.7445

Group Report For : TOX

Peak #	Ret Time (min)	Coatomer Name	Area (uV-sec)	Height (uV)	WF HEIGHT	WF AREA	Amount (ug/ml)
33	12.387	Toxaphene a	208938	24988	24988	8	1.0000
32	14.663	Toxaphene b	624435	41382	41382	15	1.0000
36	17.013	Toxaphene c	368480	25151	25151	15	1.0000
			1201853	91521			3.0000

Report **Stored in ASCII File: C:\2700\DATA0\DP05012.TXO**

3200753

Chromatogram

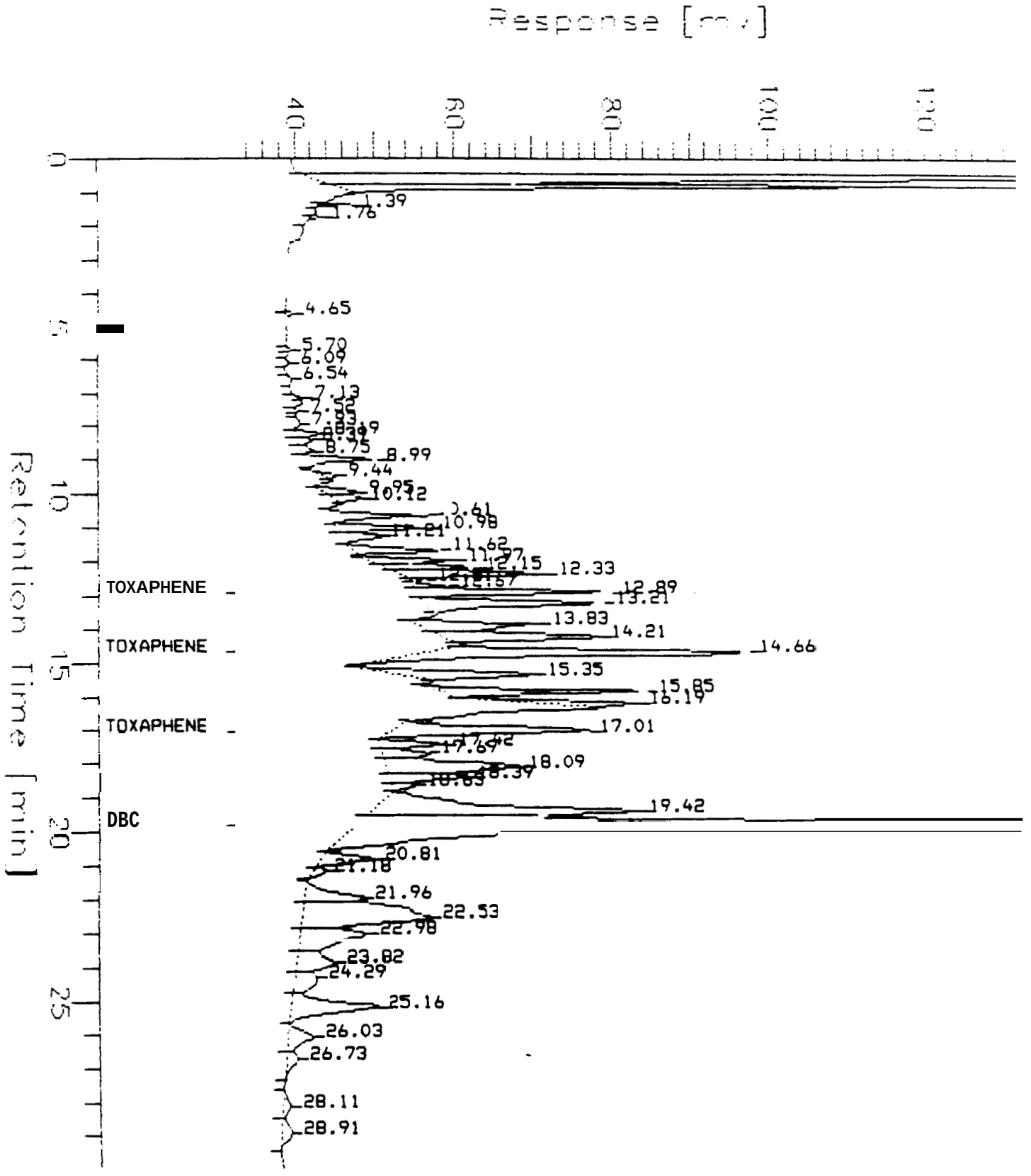
000345

FileName : C:\2700\DATA0\DP05012.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 22 mV

Date : 4/7/91 8:24 PM
Low Point : 32.44 mV
Plot Scale: 100 mV

Page [illegible]
High Point : [illegible] mV



Sample Name : LOW CHLOR
Sample Number: 1-287-7
Operator : SJG

Time : 4/7/91 8:[illegible] PM
Study :

000346

Interface # : 0 Channel : B A/D mV Ranqe : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: *4/6/91* 5:11 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05013.raw
Result File : C:\2700\DATA0\DP05013.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\CHL0608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TECHNICAL CHLORDANE ON DB608

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CONCENTRATION .25 ug/ml

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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.[illegible]		24571a7	774679	315271	3	2.4572
2	0.306		347170	147488	174095	5	0.8472
3	1.391		5671	1657	292166	3	0.0057
4	1.944		5227	1420	271611	4	0.0052
5	3.203		26000	4798	184534	5	0.0260
6	4.155		19719	2957	149929	7	0.0197
7	4.457		14866	2199	147930	7	0.0149
8	5.455		20389	2671	131006	8	0.0204
9	5.818		14710	2279	154959	7	0.0147
10	6.34[illegible]		147325	20659	140225	7	0.1473
11	6.250	CHLORDANE-A	189587	25961	207691	7	0.1250
12	7.279	CHLORDANE-B	24151	3523	38133	7	0.1250
13	7.536		10173	1359	133598	8	0.0102
14	7.790		14097	1862	132101	8	0.0141
15	7.970		17058	1873	109781	9	0.0171
16	8.339		22951	2371	103290	10	0.0230
17	8.726		192176	13463	70056	14	0.1922
18	9.090		45891	3052	66507	15	0.0459
19	9.870		76040	8984	118153	9	0.0760
20	10.300		80728	8004	99153	10	0.0807
21	10.560	CHLORDANE-C	562839	46615	372920	12	0.1250
22	11.158	CHLORDANE-D	403089	39696	317571	10	0.1250
23	11.588		17873	2549	142604	7	0.0179

3200700

000347

25	12.353		25972	3032	116633	7	0.0250
26	12.936		36216	1349	51463	19	0.0262
27	13.258		13728	1701	123898	8	0.0137
28	13.461		9558	1026	107322	9	0.0096
29	13.851		58977	6351	107682	9	0.0590
30	14.488		9671	949	130177	10	0.0097
31	14.852		99323	9211	93579	11	0.0993
33	16.440		10649	935	93537	11	0.0107
34	17.130		11061	725	65523	15	0.0111
35	18.161		55635	3737	65072	15	0.0556
36	19.787	DDE	377616	22397	225372	13	0.1000
37	22.318		6213	296	47559	21	0.0062
			5962507	117448			4.9952

Group Report For : **Technical Chlordane**

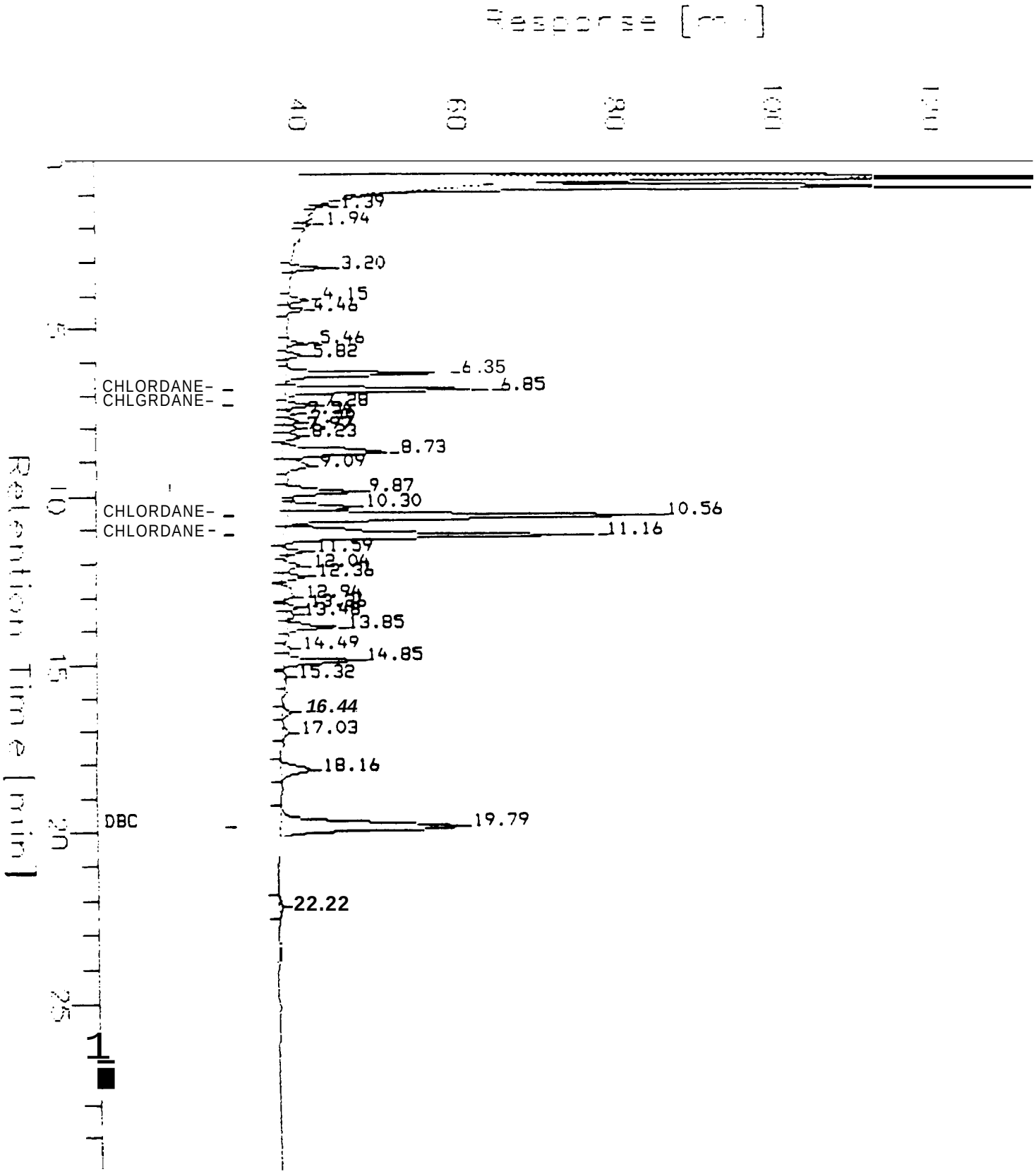
Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF -EIGHT	RF AREA	Amount (ug/ml)
11	6.850	CHLORDANE-A	189587	25961	307691	7	0.1250
12	7.279	CHLORDANE-B	24151	3523	29183	7	0.1250
21	10.560	CHLORDANE-C	562939	46615	372920	12	0.1250
22	11.158	CHLORDANE-D	403089	39696	317571	10	0.1250
			1179666	115796			0.5000

Report Stored in ASCII File: C:\2700\DATA0\DP05013.TXO

Chromatogram

000348

FileName : C:\2700\DATA0\DP05013.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 33 mV
Date : 4/7/91 3:29 PM
Low Point : 31.77 mV
Plot Scale: 100 mV



3200761

Sample Name : MLOW CHLOR
Sample Number: 2-287-7
Operator : SJG

Time : 4/7/91 [illegible] AM
Study

000349

Interface # : 0 Channel : B A/D mV Ranqe : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/6/91 5:46 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05014.raw
Result File : C:\2700\DATA0\DP05014.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\CHL0608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TECHNICAL CHLORDANE ON DB608

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CONCENTRATION 0.375 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.504		3074646	905919	294642	3	3.3741
	0.604		327459	67789	207014	5	0.3275
7	1.141		13734	3071	223587	5	0.0137
8	1.388		12905	3513	272203	4	0.0129
5	1.753		6405	1401	218748	5	0.0064
3	1.946		8162	2176	266652	4	0.0082
7	3.202		41338	7337	177495	6	0.0413
9	4.154		27112	4245	156386	5	0.0271
	4.461		20422	3116	152598	7	0.0204
10	5.456		29139	3666	125793	3	0.0291
11	5.929		21922	3377	154052	7	0.0219
12	6.345		227592	31716	139353	7	0.2276
13	6.849	CHLORDANE-A	281126	38236	305887	1	0.1250
14	7.278	CHLORDANE-B	34843	5086	40690	1	3.1253
15	7.537		14149	1913	135224	4	0.0142
16	7.793		10342	2507	136706	7	0.0133
17	7.975		20826	2469	118563	8	0.0208
13	8.220		24744	2597	1si959	10	0.0247
19	8.727		273005	19193	70302	14	0.2730
20	9.095		66118	4412	66733	15	0.0661
[illegible]	9.870		113176	13172	116389	9	0.1132
23	10.300		121157	12087	99759	10	1212
24	10.559	CHLORDANE-C	427410	67852	542815	12	0.1250

000350

26	11.587		32520	3926	120713		0.0325
27	12.040		32562	3459	106221		0.0326
28	12.358		40428	4503	111377	9	0.0404
29	12.690		21265	1689	79432	13	0.0213
30	12.949		14364	1720	119774	8	0.0144
31	13.261		14899	2100	141011		0.0149
32	13.354		86757	9316	107382		0.0866
33	14.031		14160	1496	105617	[illegible]	0.0143
34	14.354		136999	13598	99356	11	0.1370
35	15.441		16093	1559	96333		0.0161
36	17.046		5216	443	84862	12	0.0052
37	19.155		73739	5307	67397	15	0.0737
38	19.793	DBC	545691	31647	316467	17	0.1360
39	22.176		6345	361	52670	17	0.0063
			7239765	1345603			5.5632

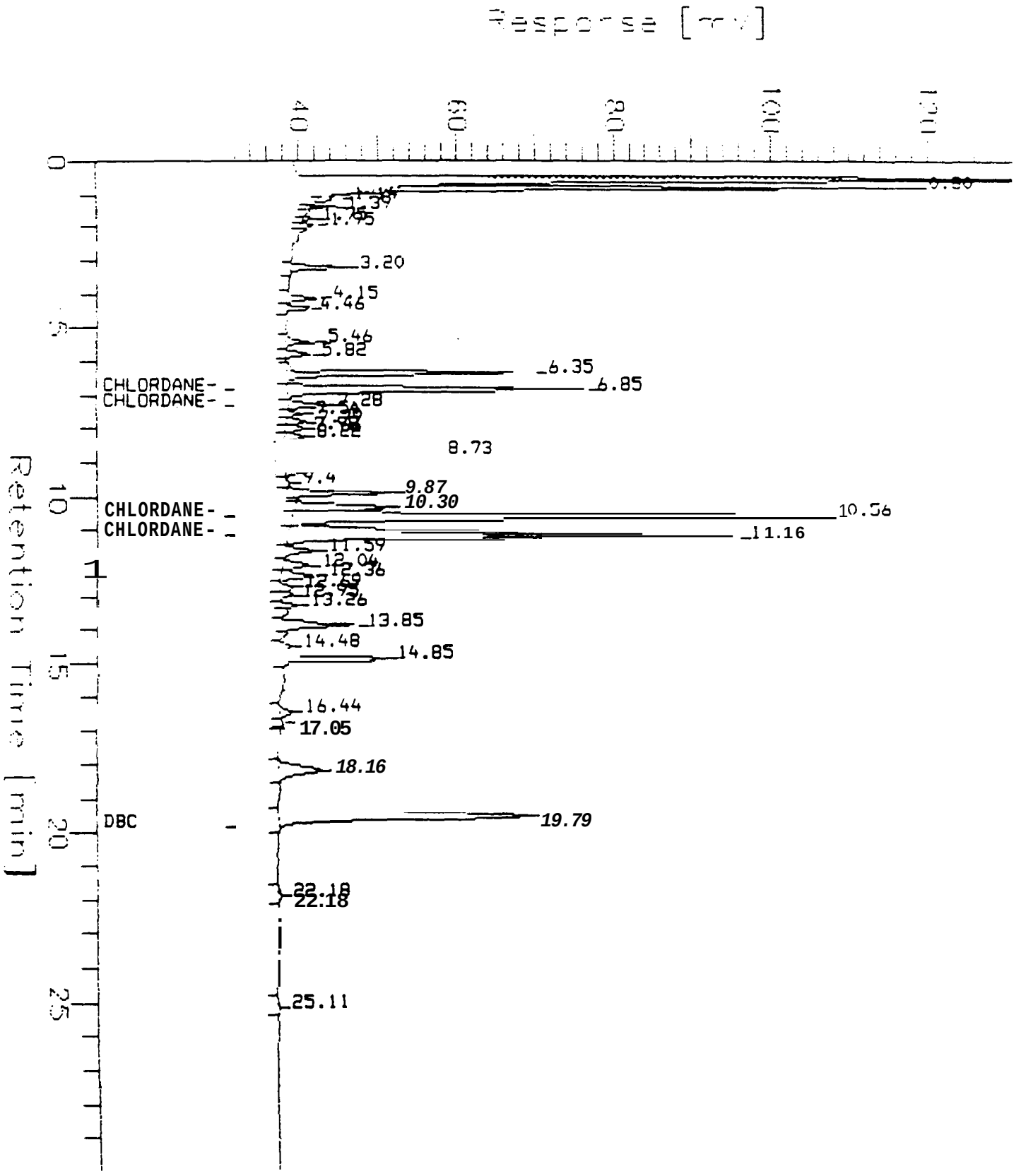
Group Report For : Technical Chlordane

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	PF HEIGHT	PF AREA	Amount [ug/ml]
13	6.849	CHLORDANE-A	281126	38236	305887	7	0.1250
14	7.278	CHLORDANE-B	34843	5085	40690	7	0.1250
24	10.559	CHLORDANE-C	827410	67852	542815	12	0.1250
25	11.161	CHLORDANE-D	587510	57645	461158	10	0.1250
			1730888	168819			0.5000

Report Stored in ASCII File: C:\2700\DATA0\DP05014.TXO

3200762

FileName : C:\2700\DATA0\DP05014.raw
Date : 4/7/91 3:33 PM
Page 1 of 1
Start Time : 3.00 min
End Time : 30.00 min
Low Point : 31.77 mV
High Point : 131.77 mV
Scale Factor: -1
Plot Offset: 32 mV
Plot Scale: 100 mV



Sample Name : MED CHLOR
Sample Number: 6-287-7
Operator : SJG

Time : 4/7/91 8:37 PM
Study :

000352

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/6/91 6:21 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05015.raw
Result File : C:\2700\DATA0\DP05015.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\CHL0608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

TECHNICAL CHLORDANE ON DB608

CONCENTRATION 0.5 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.513		3995779	934668	233914	4	3.9958
2	1.366		492243	72406	147094	[illegible]	0.4922
3	1.142		33333	5856	175679	6	0.0333
4	1.337		16263	4117	253115	4	0.0163
5	1.743		5950	1295	216046	5	0.0060
6	1.945		10358	2788	269179	4	0.0104
7	3.291		52631	9351	177665	6	0.0526
8	4.152		36379	5732	157563	6	0.0364
9	4.461		27346	4217	154209	7	0.0274
10	5.455		46172	5958	129049	3	0.0462
11	5.213		29416	4529	153963	[illegible]	0.0294
12	5.345		318717	43430	136264	[illegible]	0.3187
13	6.848	CHLORDANE-A	374841	51181	409451	1	0.1250
14	7.279	CHLORDANE-B	47029	6845	54757	[illegible]	0.1250
15	7.534		18627	2524	135490	?	0.0186
16	7.791		24568	3404	138575	[illegible]	0.0246
17	7.973		26616	3234	121517	8	0.0266
18	8.209		27738	2963	106725	a	0.0277
19	8.724		355822	24944	70102	14	0.3558
20	9.087		86166	5836	67729	15	0.0862
21	9.488		6247	801	128224	8	0.0063
22	9.871		153269	17676	115327	9	0.1533
23	10.299		156295	15504	99204	10	0.1563

3200763

25	11.160	CHLORDANE-D	777356	77154	617230	10	0.1250
26	11.595		31408	4686	149192	7	0.0314
27	12.041		44765	4728	105612	10	0.0448
28	12.362		46075	5216	113200	9	0.0461
29	12.717		27149	2196	60881	12	0.0272
30	13.951		18375	3222	131946	3	0.0184
31	13.267		25454	3162	134205	8	0.0255
32	13.476		11167	1346	130493	8	0.0112
33	13.853		114006	12270	117621	9	0.1140
34	14.430		13423	2032	107735	5	0.0134
35	14.353		180242	18135	106612	10	0.1802
36	16.441		21435	3055	75860	13	0.0214
37	17.049		6273	531	34616	12	0.0063
38	18.154		102979	6970	57688	15	0.1030
39	19.736	DBC	717147	41247	412471	17	0.1000
40	22.169		13632	575	45541	22	0.0126
41	25.096		6371	244	53994	19	0.0064
			9605940	1505610			7.1367

Group Report For : **Technical Chlordane**

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
13	6.848	CHLORDANE-A	374841	51181	469451	7	0.1250
14	7.279	CHLORDANE-B	47020	6845	54757	7	0.1250
24	10.558	CHLORDANE-C	1102899	91507	732054	12	0.1250
25	11.160	CHLORDANE-D	777356	77154	617230	10	0.1250
			2302116	226687			0.5000

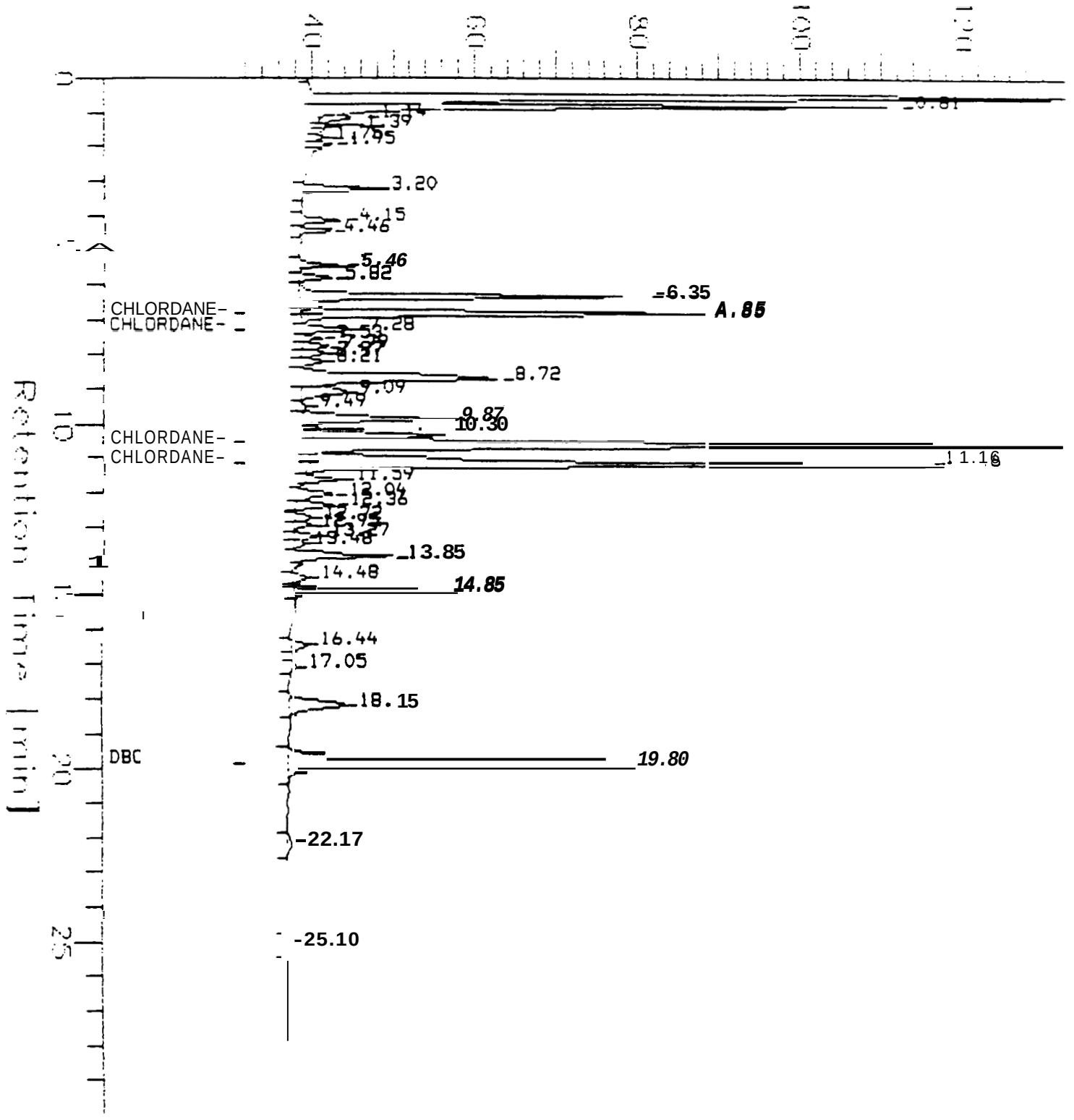
Report Stored **in ASCII File:** C:\2700\DATA0\DP05015.TXO

Chromatogram

FileName : C:\2700\DATA0\DP05015.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 32 mV

Date : 4/7/91 8:30:[illegible] 080354 Page 1 of 1
Low Point : 31.82 mV High Point : 131.32 mV
Plot Scale: 100 mV

Response [nr 3



3200764

Sample Name : MHI CHLOR
Sample Number: 4-287-7
Operator : SJG

Time : 4/7/91 8:41 PM
Study :

000355

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/6/91 6:56 An
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05016.raw
Result File : C:\2700\DATA0\DP05016.rst
Instrument File: C:\2700\GEN7B.ins
Process file : C:\2700\GEN7B.prc
Sample File : C:\2700\CHL0608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TECHNICAL CHLORDANE ON DB608

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CONCENTRATION 0.75 ug/ml

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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	SF HEIGHT	RF AREA	Amount [ug/ml]
1	1.521		4794127	931206	194239	5	4.7941
2	0.805		232577	40107	172445	6	0.2326
3	1.140		26114	6223	238289	4	0.0261
4	1.367		20071	5298	263957	4	0.0201
5	1.518		7228	1536	212548	5	0.0072
6	1.743		6817	1457	213699	5	0.0068
7	1.945		17491	4409	252100	4	0.0175
8	2.071		8138	1912	234983	4	0.0081
9	3.201		82631	14642	177198	6	0.0826
10	4.152		54354	8517	156687	6	0.0544
11	4.461		40434	6216	153740	7	0.0404
12	5.456		64480	7392	114638	9	0.0645
13	5.818		45487	6909	151897	7	0.0455
14	6.346		477119	64826	135870	7	0.4771
15	6.848	CHLORDANE-A	566962	76656	613248	7	0.1250
16	7.280	CHLORDANE-B	67249	9801	78404	7	0.1250
17	7.534		29173	3820	135599	7	0.0282
18	7.790		35538	4944	139132	7	0.0355
19	7.973		39918	4812	120542	8	0.0399
20	8.209		42157	4611	106851	9	0.0432
21	8.635		220154	31520	143174	7	0.2202
22	8.725		298760	36144	120979	8	0.2988
23	9.098		126265	8590	68034	15	0.1263

24	9.484		8885	1238	139321	7	0.0089
25	9.872		250567	27647	110339	9	0.2506
26	10.077		18774	2941	156678	6	0.0188
27	10.293		275808	26106	94653	11	0.2758
28	10.560	CHLORDANE-C	1664991	135810	1086478	12	0.1250
29	11.158	CHLORDANE-D	1174077	113610	908881	10	0.1250
30	11.586		46711	7080	151579	7	0.0467
31	12.039		63512	7042	110381	9	0.0635
32	12.361		76523	9674	113352	9	0.0765
33	12.709		38323	3071	30126	13	0.0383
34	12.948		25437	3308	126096	8	0.0254
35	13.267		37758	4643	122964	8	0.0378
36	13.476		16721	3025	121114	8	0.0167
37	13.855		171831	18291	106447	9	0.1718
38	14.476		27026	3997	110880	9	0.0270
39	14.856		271456	27099	99830	10	0.2715
40	16.443		32499	3126	96174	10	0.0325
41	17.028		9119	744	81610	12	0.0091
42	18.162		152611	10364	67913	15	0.1524
43	19.791	DBC	1062497	61974	619741	17	0.1000
44	22.181		20390	896	43946	23	0.0204
45	25.085		10093	525	52006	19	0.0101
			12758832	1250659			8.8231

000356

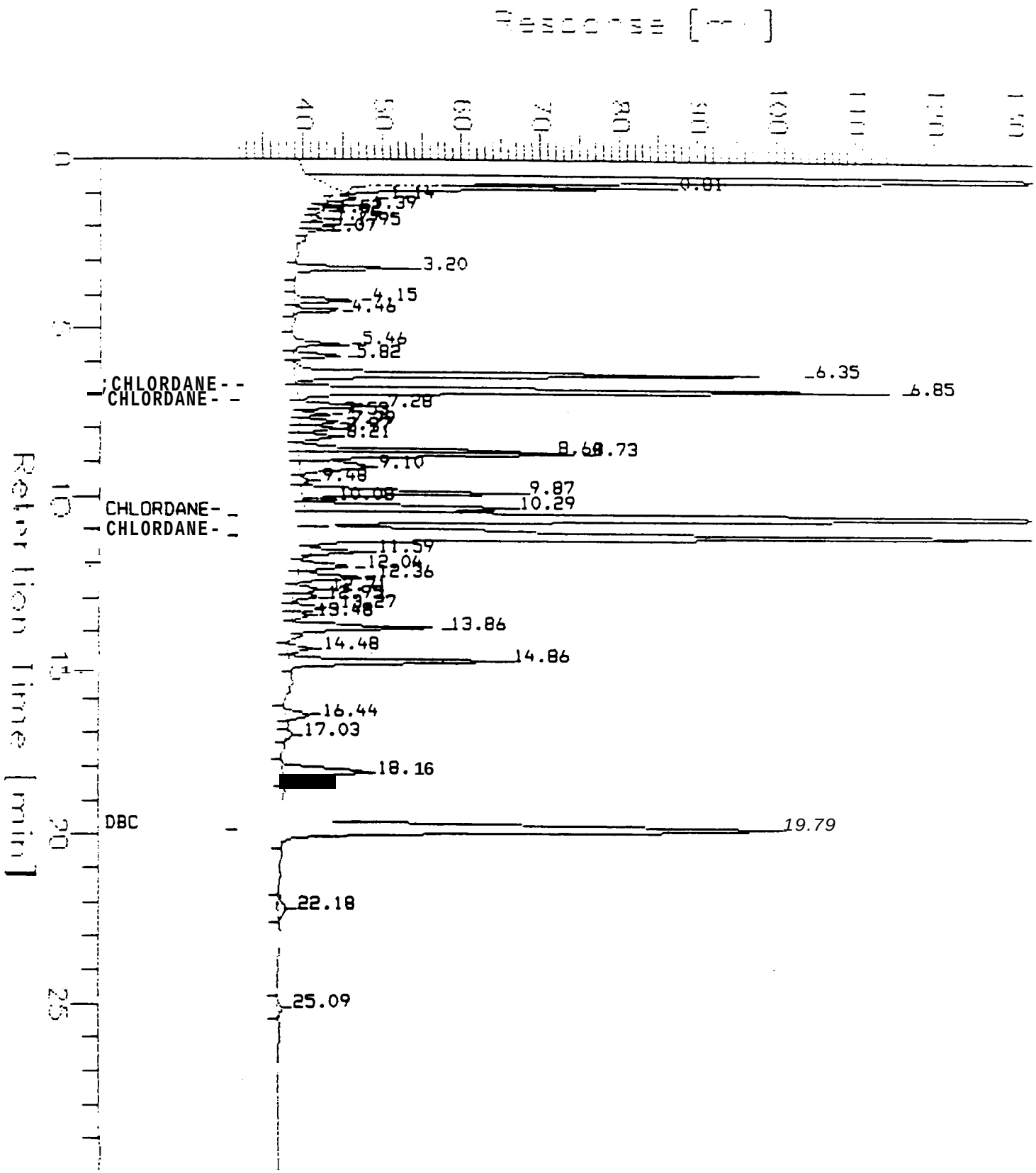
Group Report For : **Technical Chlordane**

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
15	6.848	CHLORDANE-A	566962	76656	613248	7	0.1250
16	7.280	CHLORDANE-B	67249	9801	78404	7	0.1250
28	10.560	CHLORDANE-C	1664991	135810	1086478	12	0.1250
29	11.158	CHLORDANE-D	1174077	113610	908881	10	0.1250
			3473279	335876			0.5000

Report Stored in ASCII File: C:\2700\DATA0\DP05016.TXO

3200765

000357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Retention Time [min]
CHLORDANE-
CHLORDANE-
CHLORDANE-
CHLORDANE-
DBC
3.20
4.15
4.46
5.46
5.82
6.35
6.85
7.28
8.21
8.73
9.10
9.48
9.87
10.29
11.59
12.04
12.36
13.86
14.48
14.86
16.44
17.03
18.16
19.79
22.18
25.09

Sample Name : HIGH CHLOR
Sample Number: 5-287-7
Operator : SJG

Time : 4/7/91 3:46 PM
Study

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

000358

Data Acquisition Time: 4/6/91 7:31 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05017.raw
Result File : C:\2700\DATA0\DP05017.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\CHL0608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TECHNICAL CHLORDANE ON DB608

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CONCENTRATION 1.0 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.529		4983755	733507	187310	5	4.9838
	1.307		265763	45971	172978	6	0.2658
3	1.141		34016	8507	250078	4	0.0340
4	1.367		9746	2633	369850	4	0.0098
5	1.519		9002	2013	223585	5	0.0090
6	1.734		6546	1411	215615	5	0.0066
7	1.947		23152	5936	256402	4	0.0232
8	2.074		10711	2620	244647	4	0.0107
9	3.203		107844	19488	180705	6	0.1078
10	4.153		73558	11621	157984	6	0.0736
11	4.462		55535	3400	151254	7	0.0555
13	5.457		89410	10333	115574	9	0.0894
14	5.819		61445	9366	152424	7	0.0614
15	6.346		643588	89025	138326		0.6436
16	6.852	CHLORDANE-A	777255	105598	844784	7	0.1250
17	7.280	CHLORDANE-B	104365	13991	111925	8	0.1250
18	7.536		52217	6122	117234	9	0.0522
19	7.792		56239	7336	130439	8	0.0562
20	7.970		59112	6946	116906	9	0.0594
21	8.224		67849	6960	102583	10	0.0679
22	8.726		686831	47926	69779	14	0.6868
23	9.101		168895	11479	67965	IS	0.1689
24	9.489		13633	1799	131978	8	0.0136

3200766

26	10.081		28953	4503	155534	6	0.0290
27	10.300		383390	35938	93737	11	0.3834
28	10.559	CHLORDANE-C	2265328	187528	1500225	12	0.1250
29	11.161	CHLORDANE-D	1622330	154011	1232090	11	0.1250
30	11.586		95445	11165	116780	9	0.0954
31	12.042		90022	9929	110287	9	0.0900
32	12.362		108277	12120	111939	9	0.1083
33	12.733		60091	4652	77422	13	0.0601
34	13.951		37689	4643	123199	8	0.0377
35	13.365		51685	6458	134467	8	0.0517
36	13.473		33516	2811	119554	8	0.0335
37	13.855		335774	25313	107341	9	0.3358
38	14.462		37757	4192	110757	9	0.0378
39	14.859		37487	37741	130786	10	0.3749
40	15.506		5007	505	132857	8	0.0050
41	16.444		45646	4377	95893	10	0.0457
42	17.042		12541	1066	85030	12	0.0125
43	18.169		310353	14266	97621	15	0.2104
44	19.796	DDD	1444455	84835	848350	17	0.1000
45	22.161		27753	1234	44471	23	0.0278
46	25.093		13677	715	52239	19	0.0137
			15880699	2005522			10.2670

000359

Group Report For : **Technical Chlordane**

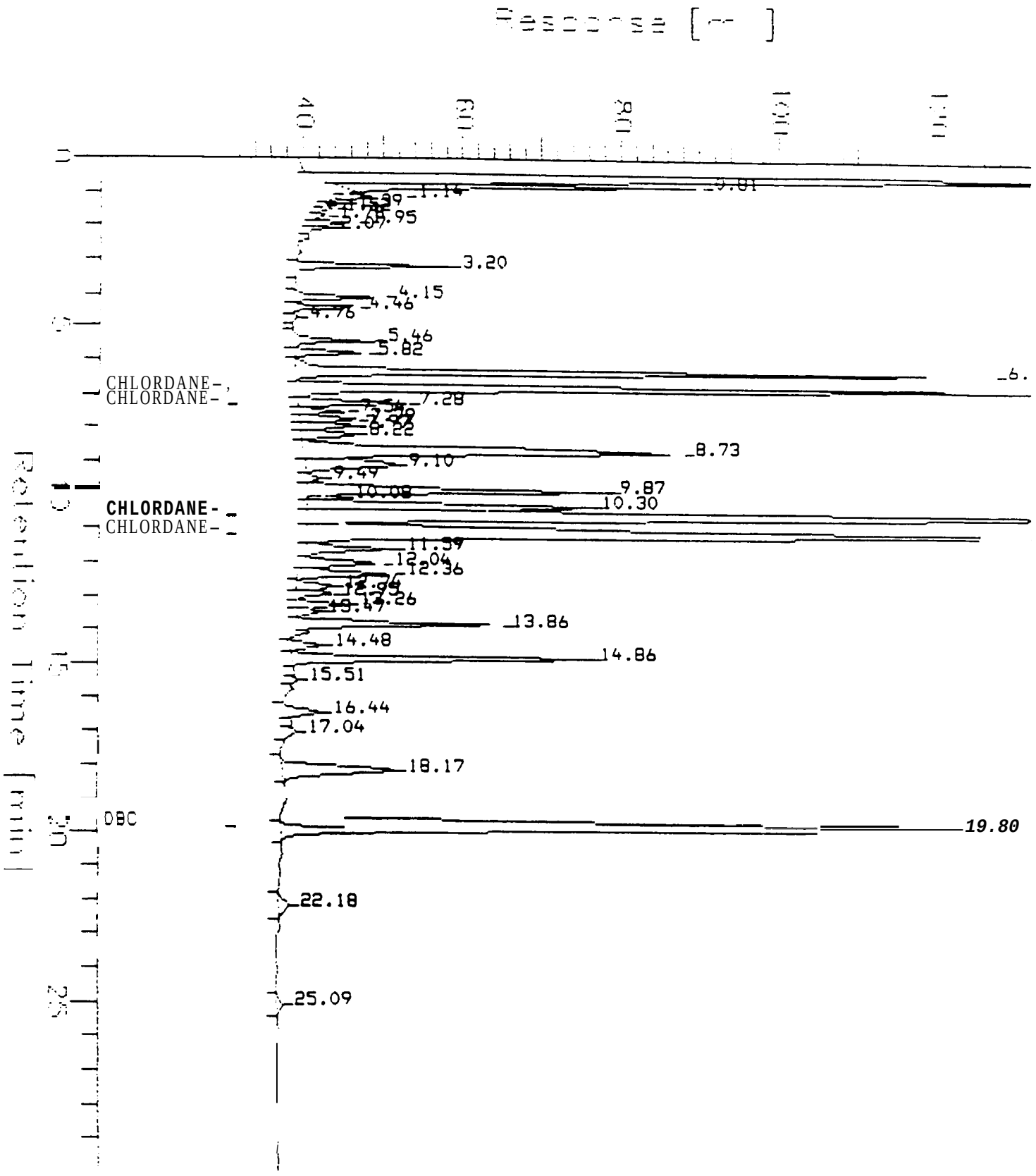
Peak #	Ret Time (min)	Component Name	Area (uv-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
16	6.352	CHLORDANE-A	777255	105598	844784	7	0.1250
17	7.230	CHLORDANE-B	104365	13991	111925	8	0.1250
28	10.559	CHLORDANE-C	2265328	187528	1500225	12	0.1250
29	11.161	CHLORDANE-D	1622330	154011	1232090	11	0.1250
			4769278	461128			0.5000

Report Stored **in ASCII File:** C:\2700\DATA0\DP05017.TXO

Chromatogram

000360

FileName : C:\2700\DATA0\DP05017.raw
Start Time : 0.00 min
Scale Factor: -1
End Time : 30.00 min
Plot Offset: 32 mv
Date : 4/7/91 3:45 PM
Low Point : 31.91 mv
Plot Scale: 100 mv
Page 1 of 1
High Point : 131.91 mv



3200767

Sequence File : C:\2700\DP1091.seq 000361

Created by : on : 12/18/89 10:02 AM

Edited by : on : 4/9/91 5:28 AM

Number Of Times Edited : 1

Sequence File Header Informatian:

Study Name

Segment interface : YES

Number of Cycles : 48

Sequence Sample Descriptions

Line	Sample Name	Sample Number	Sample Amount	ISTD Amount	Inj. Volume	Dil. Factor	Mult	Divisor	Addent	Inst File	Inst Level
	PCB 1260 .25 ug/ml	1-290-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
	PCB 1260 .50 ug/ml	2-290-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
	PCB 1260 1.0 ug/ml	3-290-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
	PCB 1260 1.5 ug/ml	4-290-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
	PCB 1260 2.0 ug/ml	5-290-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
	PCB 1221 .25 ug/ml	1-291-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
	PCB 1221 .50 ug/ml	2-291-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
	PCB 1221 1.0 ug/ml	3-291-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
	PCB 1221 1.5 ug/ml	4-291-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
10	PCB 1221 2.0 ug/ml	5-291-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
11	PCB 1232 .25 ug/ml	1-292-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
12	PCB 1232 .50 ug/ml	2-292-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
13	PCB 1232 1.0 ug/ml	3-292-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
14	PCB 1232 1.5 ug/ml	4-292-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
15	PCB 1232 2.0 ug/ml	5-292-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
16	PCB 1242 .25 ug/ml	1-293-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
17	PCB 1242 .50 ug/ml	2-293-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
18	PCB 1242 1.0 ug/ml	3-293-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
19	PCB 1242 1.5 ug/ml	4-293-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
20	PCB 1242 2.0 ug/ml	5-293-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
21	PCB 1248 .25 ug/ml	1-294-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
22	PCB 1248 .50 ug/ml	2-294-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
23	PCB 1248 1.0 ug/ml	3-294-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
24	PCB 1248 1.5 ug/ml	4-294-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
25	PCB 1248 2.0 ug/ml	5-294-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
26	PCB 1254 .25 ug/ml	1-295-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
27	PCB 1254 .50 ug/ml	2-295-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
28	PCB 1254 1.0 ug/ml	6-295-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
29	PCB 1254 1.5 ug/ml	4-295-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
30	PCB 1254 2.0 ug/ml	5-295-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
31	910316201	FB-01	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
32	910316202	EL-6	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
33	910316203	EL-7	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
34	910316204	EL-11	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
35	910316205	EL-19	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
36	910316206 TBA	MW-IT-01	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
37	910316207	MW-30	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
38	910316501	P32 W001	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
A1 39	910316502 TBA	P32 W066	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
A2 40	910316503	P32 WF302	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
A3 41	PCB 1260 1.0 ug/ml	2-306-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
A4 42	BLANK 4-1-91	BLK152.1a5	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1
A5 43	PCB 1260 1.0 ug/ml	3-306-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1

44	PCB 1221 1.0 ug/ml	6-281-7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	GEN7B	[illegible]
45	PCB 1232 1.0 ug/ml	6-282-7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	[illegible]	[illegible]
46	PCB 1242 1.0 ug/ml	6-283-7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	GEN7B	[illegible]
47	PCB 1248 1.0 ug/ml	6-284-7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	GEN7B	[illegible]
48	PCB 1254 1.0 ug/ml	6-285-7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	GEN7B	[illegible]

0003682

Sequence Process Description - Channel B

Line	Process File	Baseline File	Report Format	New File	Result File	Baseline File	Modified New File	Cal Mode	Level Name	Dilute Ff	Norm. Factor
1	GEN7B	1660608D	L60608	DP10001	DP10001				PCB	Y	100.000
2	GEN7B	1660608D	ML60608	DP10002	DP10002				PCB	Y	[illegible]
3	GEN7B	1660608D	M60608	DP10003	DP10003				PCB	Y	[illegible]
4	GEN7B	1660608D	MH60608	DP10004	DP10004				PCB	Y	[illegible]
5	GEN7B	1660608D	H60608	DP10005	DP10005				PCB	Y	[illegible]
6	GEN7B	1221608D	L21608	DP10006	DP10006			R	PCB	Y	[illegible]
7	GEN7B	1221608D	ML21608	DP10007	DP10007			R	PCB		[illegible]
8	GEN7B	1221608D	M21608	DP10008	DP10008			R	PCB	Y	[illegible]
9	GEN7B	1221608D	MH21608	DP10009	DP10009			R	PCB	Y	[illegible]
10	GEN7B	1221608D	H21608	DP10010	DP10010			R	PCB	Y	100.000
11	GEN7B	1232608D	L32608	DP10011	DP10011			3	PCB	Y	100.000
12	GEN7B	1232608D	ML32608	DP10012	DP10012				PCB	Y	100.000
13	GEN7B	1232608D	M32608	DP10013	DP10013			R	PCB	Y	100.000
14	GEN7B	1232608D	MH32608	DP10014	DP10014			R	PCB	Y	100.000
15	GEN7B	1232608D	H32608	DP10015	DP10015			5	PCB	Y	100.000
16	GEN7B	1242608D	L42608	DP10016	DP10016			R	MED	Y	100.000
17	GEN7B	1242608D	ML42608	DP10017	DP10017			R	MED	Y	100.000
18	GEN7B	1242608D	M42608	DP10018	DP10018			R	MED	Y	[illegible]
19	GEN7B	1242608D	MH42608	DP10019	DP10019			R	MED	Y	[illegible]
20	GEN7B	1242608D	H42608	DP10020	DP10020			R	MED		[illegible]
21	GEN7B	1248608D	L48608	DP10021	DP10021			R	MED	Y	[illegible]
22	GEN7B	1248608D	ML48608	DP10022	DP10022			R	MED		[illegible]
23	GEN7B	1248608D	M48608	DP10023	DP10023			R	MED	Y	[illegible]
24	GEN7B	1248608D	MH48608	DP10024	DP10024			R	MED		[illegible]
25	GEN7B	1248608D	H48608	DP10025	DP10025			R	MED	Y	[illegible]
26	GEN7B	1254608D	L54608	DP10026	DP10026				PCB	Y	[illegible]
27	GEN7B	1254608D	ML54608	DP10027	DP10027			R	PCB	Y	100.000
28	GEN7B	1254608D	M54608	DP10028	DP10028			4	PCB		[illegible]
29	GEN7B	1254608D	MH54608	DP10029	DP10029			R	PCB	Y	[illegible]
30	GEN7B	1254608D	H54608	DP10030	DP10030			a	PCB	Y	[illegible]
31	GEN7B	DEFAULT	SAMH20	DP10031	DP10031			N		N	100.000
32	GEN7B	DEFAULT	SAMH20	DP10032	DP10032			N		N	[illegible]
33	GEN7B	DEFAULT	SAMH20	DP10033	DP10033			N		N	[illegible]
34	GEN7B	DEFAULT	SAMH20	DP10034	DP10034			N		N	[illegible]
35	GEN7B	DEFAULT	SAMH20	DP10035	DP10035			N		N	100.000
36	GEN7B	DEFAULT	SAMH20	DP10036	DP10036			N		N	[illegible]
37	GEN7B	DEFAULT	SAMH20	DP10037	DP10037			N		N	[illegible]
38	GEN7B	DEFAULT	SAMH20	DP10038	DP10038			N		N	[illegible]
39	GEN7B	DEFAULT	SAMH20	DP10039	DP10039			N		N	[illegible]
40	GEN7B	DEFAULT	SAMH20	DP10040	DP10040			N		N	[illegible]
41	GEN7B	1660608D	M60608	DP10041	DP10041			9	PCB	Y	[illegible]
42	GEN7B	DEFAULT	SAMH20	DP10042	DP10042			N		N	[illegible]
43	GEN7B	1660608D	M60608	DP10043	DP10043			R	PCB	Y	[illegible]
44	GEN7B	1221608D	M21608	DP10044	DP10044			R	PCB	Y	[illegible]
45	GEN7B	1232608D	M32608	DP10045	DP10045			R	PCB	Y	[illegible]
46	GEN7B	1242608D	M42608	DP10046	DP10046			R	MED	Y	[illegible]
47	GEN7B	1248608D	M48608	DP10047	DP10047			R	MED	Y	[illegible]

3200768

Sample Name : PCB 1660 .25 ug/ml Time : 4/9/91 10:33 AM
Sample Number: 1-280-7 Study :
Operator : LWM,RA

000364

Interface # : 0 Channel : 8 A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 10:02 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10001.raw
Result File : C:\2700\DATA0\DP10001.rst
instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1016 AND AROCLOR 1260 ON DB608

CONCENTRATION .25 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	1.002		66339104	929452	14011	71	66.3391
2	3.768		35395	1633	46129	22	0.0354
3	3.962		17805	2868	161052	6	0.0178
4	4.375		15773	3054	193595	[illegible]	0.0158
5	4.557	Aroclor-1016a	77775	14369	14369	5	1.0000
6	5.583		10798	1b34	151356	7	0.0108
7	5.816		159650	23834	149286	?	0.1597
8	6.170	Aroclor-[illegible]	14684	2114	2114	[illegible]	1.0000
9	6.497	[illegible]	23356	4690	200792	5	0.0234
10	6.749	[illegible]	48785	8023	180844	6	0.0488
11	6.992	[illegible]	302501	41633	137630	[illegible]	0.3025
12	7.541	Aroclor-1016c	115783	16828	16828	7	1.0000
13	7.994		74960	11926	159104	6	0.0750
14	8.106		33659	7830	197425	5	0.0397
15	8.276		49645	6516	131245	8	0.0496
16	8.831		8919	1248	139887	7	0.0089
17	9.228	Aroclor-1016d	80398	10246	10246	8	1.0000
18	9.653		67347	8106	120369	9	0.0674
19	9.835		7554	1763	233331	4	0.0076
20	10.166		30901	4984	161294	6	0.0309
21	10.372		43519	6574	151057	7	0.0435
22	10.683		88929	12236	137592	7	0.0889
23	10.933	Aroclor-1260a	90012	12384	12384	7	1.0000

3200760

000365

24	11.880		9214	1255	136184	7	0.0092
25	12.183		5509	742	134652	7	0.0055
26	12.418		21484	3036	141297	7	0.0215
27	12.809		115764	16112	139182	7	0.1158
28	13.104		45864	5625	122635	8	0.0459
29	13.497	Aroclor-1260b	185273	20862	20862	9	1.0000
30	13.876	Aroclor-1260c	208892	24888	24888	8	1.0000
31	14.192		8921	1135	132850	8	0.0089
32	14.749	Aroclor-1260d	93582	10168	10168	9	1.0000
33	15.056		100858	9966	98815	10	0.1009
34	15.624		50250	5749	114417	9	0.0503
35	15.910	Aroclor-1260e	167221	15882	15882	11	1.0000
36	16.135		98803	10007	107829	9	0.0988
37	16.485		73813	6537	98567	11	0.0738
38	17.261		26728	3076	97679	13	0.0267
39	18.332		187525	10644	56760	18	0.1875
40	18.885		111271	6496	58294	17	0.1113
41	19.414		359580	23746	65039	15	0.3596
42	19.845	DBC	207584	12601	126012	17	0.1000
43	21.550		5910	414	70057	14	0.0059
44	22.639		116433	5885	50542	20	0.1164
45	23.446		244681	9617	39304	25	0.2447
46	24.572		5442	304	55935	18	0.0054
47	28.523		35394	1453	41063	24	0.0354
48	29.381		94650	3593	37965	26	0.0947
			70317904	1343577			78.1767

Group Report For : 1016

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.557	Aroclor-1016a	77775	14369	14369	5	1.0000
8	6.170	Aroclor-1016b	14684	2114	2114	7	1.0000
13	7.541	Aroclor-1016c	115783	16828	16828	7	1.0000
17	9.228	Aroclor-1016d	80398	10246	10246	8	1.0000
			288639	43558			4.0000

Group Report For : AROCLOR 1260

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
23	10.933	Aroclor-1260a	90012	12384	12384	7	1.0000
29	13.497	Aroclor-1260b	185273	20862	20862	9	1.0000
30	13.876	Aroclor-1260c	208892	24888	24888	8	1.0000
32	14.749	Aroclor-1260d	93582	10168	10168	9	1.0000
35	15.910	Aroclor-1260e	167221	15882	15882	11	1.0000
			744980	84184			5.0000

Report Stored in ASCII File: C:\2700\DATA0\DP10001.TXO

Chromatogram

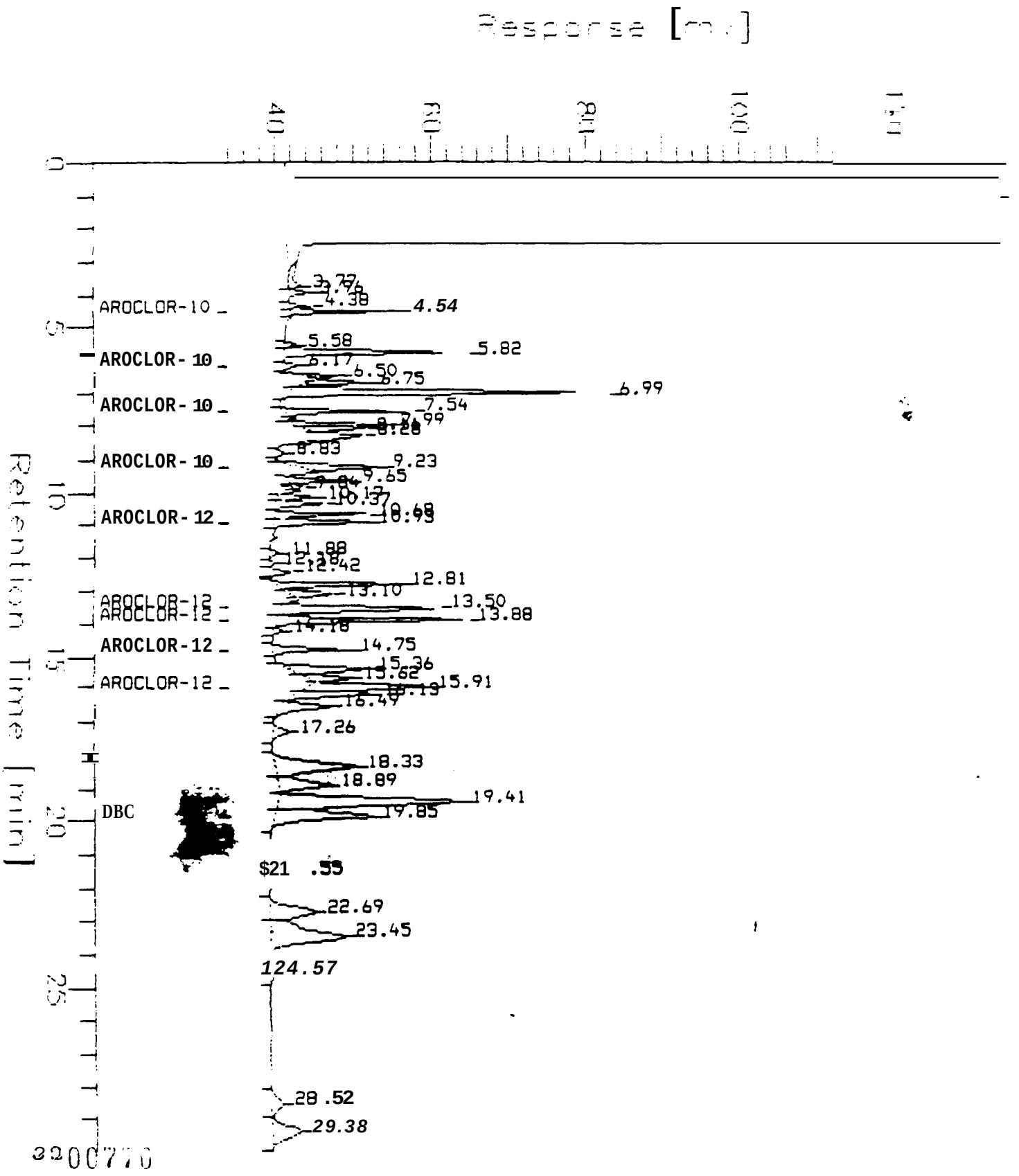
000366

FileName : C:\2700\DATA0\DP10001.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 34 mV

Date : 4/9/91 10:33 AM
Low Point : 33.70 mV
Plot Scale: 100 mV

Page 1 of
High Point : 133.70



3200770

Sample Name : PCB 1660 .50 ug/ml Time : 4/9/91 11:08 AM
Sample Number: 2-280-7 Study : 000367
Operator : LWM,RA

Interface # : 0 Channel : 8 A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 10:37 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10002.raw
Result File : C:\2700\DATA0\DP10002.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

CSROCLOR 1016 AND CSROCLOR 1260 ON DB608

CONCENTRATION .50 ug/ml

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
1	3.771		63468192	928998	14637	68	63.4682
	3.770		17457	2465	141226	7	0.0175
	3.785		28161	5187	184188	[illegible]	0.0282
4	4.377		31234	5326	189716	5	0.0312
[illegible]	4.553	Aroclor-1016a	144433	26459	26459	1	1.0000
6	5.536		21553	3241	153361	7	9.3215
[illegible]	5.818		290338	42760	147276	7	0.2903
	6.174	Aroclor-1[illegible]	29363	4158	4158	[illegible]	1.0000
	6.501		43996	8903	262350	[illegible]	0.0440
10	6.752		90388	16305	180386	6	0.0904
11	6.993		544762	74132	136081	7	3.5448
12	7.542	Aroclor-1016c	234719	31517	31517	7	1.0000
13	7.772		12962	2608	201217	5	0.0130
14	7.996		137540	22117	160806	6	0.1375
[illegible]	8.198		72691	14134	19443	[illegible]	0.0727
16	8.291		91918	13002	130572	8	3.0919
17	8.832		17585	2453	139519	7	0.0176
18	9.231	Aroclor-1016d	145829	13433	18403	8	1.0000
19	9.658		146938	16624	113133	9	0.1469
20	9.838		40104	6395	159455	6	0.0401
21	9.963		30133	5522	183260	6	3.0301
22	10.165		59559	9581	160869	5	0.0596
23	10.375		85385	12618	147779	7	0.0854

000368

24	10.686		163460	22241	136063	7	0.1635
25	10.935	Aroclor-1260a	168401	22615	22615	7	1.0000
26	11.385		8876	1509	170009	6	0.0089
27	11.881		18102	2439	134719	7	0.0181
28	12.186		10620	1468	138261	7	0.0106
29	12.423		45286	6019	132901	8	0.0453
30	12.812		252129	31588	124967	8	0.2521
31	13.107		166105	15381	92839	11	0.1661
32	13.266		48929	7551	15537	7	0.0489
33	13.498	Aroclor-1260b	379567	39624	39624	10	1.0000
34	13.878	Aroclor-1260c	399155	45497	45497	9	1.0000
35	14.181		20761	3633	126811	6	0.0208
36	14.750	Aroclor-1260d	178577	19313	19313	9	1.0000
37	15.357		136960	13307	97930	10	0.1370
38	15.629		91296	11405	113970	9	0.0913
39	15.911	Aroclor-1260e	302355	28878	28878	11	1.0000
40	16.129		171497	13157	105872	9	0.1715
41	16.486		140326	12097	36205	12	0.1403
42	17.370		57097	4192	73426	14	0.0571
43	18.332		353622	19996	56545	18	0.3536
44	18.875		212119	12211	57565	17	0.2121
45	19.413		662764	43506	65643	15	0.6628
46	19.845	BBC	397019	24067	240666	17	0.1000
47	21.544		11339	800	70215	14	0.0114
48	22.685		226230	11335	50105	20	0.2262
49	23.459		477703	18442	38605	26	0.4777
50	24.585		14451	700	48420	21	0.0145
51	28.518		71403	2874	40245	25	0.0714
52	29.385		190232	6969	36636	27	0.1902
			71211656	1723188			77.9323

Group Report For : 1016

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.558	Aroclor-1016a	144433	26459	26459	6	1.0000
8	6.174	Aroclor-1016b	29363	4158	4158	7	1.0000
12	7.542	Aroclor-1016c	234719	31517	31517	7	1.0000
18	9.231	Aroclor-1016d	145829	18403	18403	8	1.0000
			554344	80538			4.0000

Group Report [redacted] AROCLOR 1260

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
25	10.935	Aroclor-1260a	168401	22615	22615	7	1.0000
33	13.498	Aroclor-1260b	379567	39624	39624	10	1.0000
34	13.878	Aroclor-1260c	399155	45497	45497	9	1.0000
36	14.750	Aroclor-1260d	178577	19313	19313	9	1.0000
39	15.911	Aroclor-1260e	302355	28878	28878	11	1.0000
			1428055	155927			5.0000

3200771

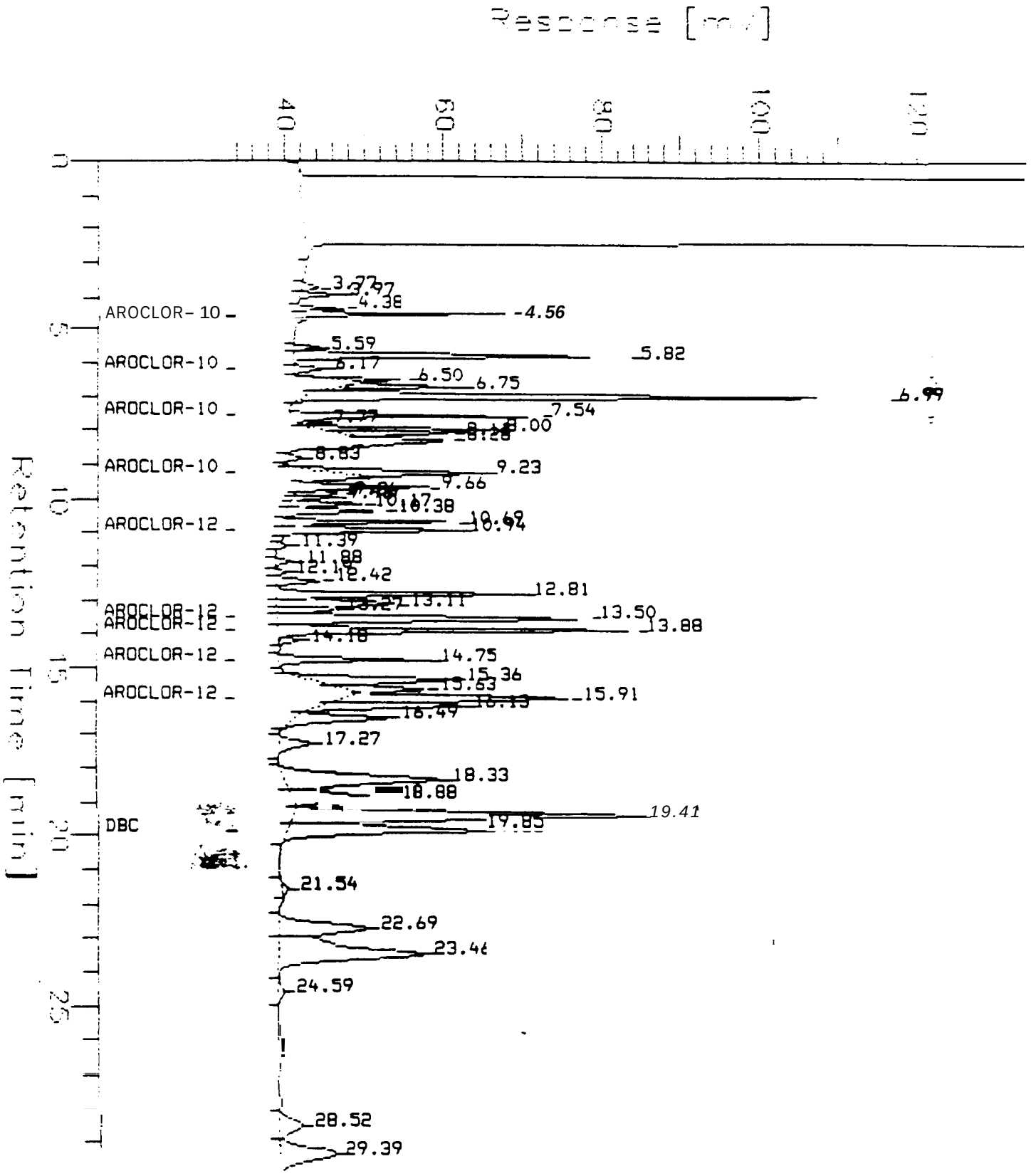
Chromatogram

000369

FileName : C:\2700\DATA0\DP10002.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 34 mV

Date : 4 9/91 11:08 AM
Low Point : 33.78 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 133.78 mV



Sample Name : PCB 1660 1.0 ug/ml Time : 4/9/91 11:43 AM
Sample Number: 2-306-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 11:12 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10003.raw
Result File : C:\2700\DATA0\DP10003.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1016 AND AROCLOR 1260 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	3.671		3162531b	930607	29241	34	31.8253
2	3.768		34239	4771	139342	[illegible]	0.0342
3	3.963		54910	10529	182649	6	0.0549
4	4.375		64722	11674	183360	5	0.3647
5	4.557	Aroclor-1016a	277945	48238	48238	b	1.0000
6	4.733		14117	2839	201136	5	0.0141
7	5.585		43361	6336	146129	7	0.0434
8	5.816		517413	74693	144358	[illegible]	0.5174
9	6.173	Aroclor-101[illegible]	60938	8277	8277	7	1.0000
10	6.500		185041	27296	147514	7	0.1850
11	6.609		93953	18698	199317	c	0.0940
12	6.750		280924	39152	139369	7	0.2809
13	6.993		1025262	131645	128401	8	1.0253
14	7.543	Aroclor-1016c	426477	55370	55770	9	1.0000
15	7.775		24570	4865	198011	5	0.0246
16	7.995		263368	40535	153910	7	0.2634
17	8.109		11781;	24682	209490	e	0.1178
18	8.279		157401	20268	128767	8	0.1574
19	8.831		34493	4712	136608	7	0.0345
20	8.832	Aroclor-1016d	407801	43817	43817	9	1.0300
21	9.363		94007	17942	190858	[illegible]	0.0940
22	9.654		273332	30526	112922	3	0.2703
23	9.836		75411	12104	160511	6	0.0754

3200772

000371

25	10.169		109546	17423	159049	6	0.1096
26	10.375		158929	22947	144387		0.1589
27	10.686		294946	39658	124457		0.2950
28	10.935	Aroclor-1260a	300512	39945	39945	3	1.0000
29	11.386		18839	3061	162469		0.0188
30	11.334		35431	4789	135166		0.0354
31	12.138		20148	2335	149862		0.0202
32	13.424		85500	11373	133012	4	0.0855
33	13.313		455904	55608	124166	3	0.4559
34	13.149		303845	37534	39781	11	0.3039
35	13.267		93650	14134	150876	7	0.0937
36	13.498	Aroclor-1260b	674100	68472	68472	10	1.0000
37	13.878	Aroclor-1260c	704664	77991	77991	9	1.0000
38	14.135		40364	5041	124883	3	0.0404
39	14.756	Aroclor-1260d	333502	35321	35321	9	1.0000
40	15.363		336730	31641	93965	11	0.3367
41	15.631		164330	19028	115791	7	0.1643
42	15.914	Aroclor-1260e	541052	50580	50580	11	1.0000
43	16.131		298781	32189	107735	9	0.2988
44	16.474		260461	22321	35700	12	0.2605
45	17.270		100789	7896	78339	13	0.1008
46	18.336		653933	36609	55982	18	0.6539
47	18.892		396133	22499	56798	18	0.3961
48	19.424		1216485	79169	65080	15	1.2165
49	19.861	DBC	768071	46065	460653	17	0.1000
50	21.564		23242	1626	67938	14	0.0232
51	22.697		439494	21378	48642	21	0.4395
52	23.469		911952	34684	38032	21	0.9120
53	24.605		30478	1404	46076	22	0.0305
54	26.294		13110	578	44101	23	0.0131
55	27.799		7717	367	47616	21	0.0077
56	28.543		147769	5735	38812	26	0.1478
57	29.392		373672	13596	36385	28	0.3737
			46720204	2434277			51.3252

Group Report **For : 1016**

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.557	Aroclor-1016	297945	48238	48238	6	1.0000
9	6.173	Aroclor-[illegible]	60938	8277	8277	7	1.0000
14	7.543	Aroclor-[illegible]	426477	55770	55770	8	1.0000
20	9.232	Aroclor-[illegible]	487801	43817	43817	9	1.0000
			1173160	156102			4.0000

Group **Report For : AROCLOR 1260**

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
28	10.935	Aroclor-1260a	300512	39945	39945	8	1.0000
36	13.498	Aroclor-1260b	674100	68472	68472	10	1.0000
37	13.878	Aroclor-1260c	704664	77991	77991	9	1.0000

39	14.756	Aroclor-1260d	333502	35321	35321	9	1.0000
42	15.914	Aroclor-1260e	541052	50580	50580	11	1.0000
			2553831	272309			5.0000

000372

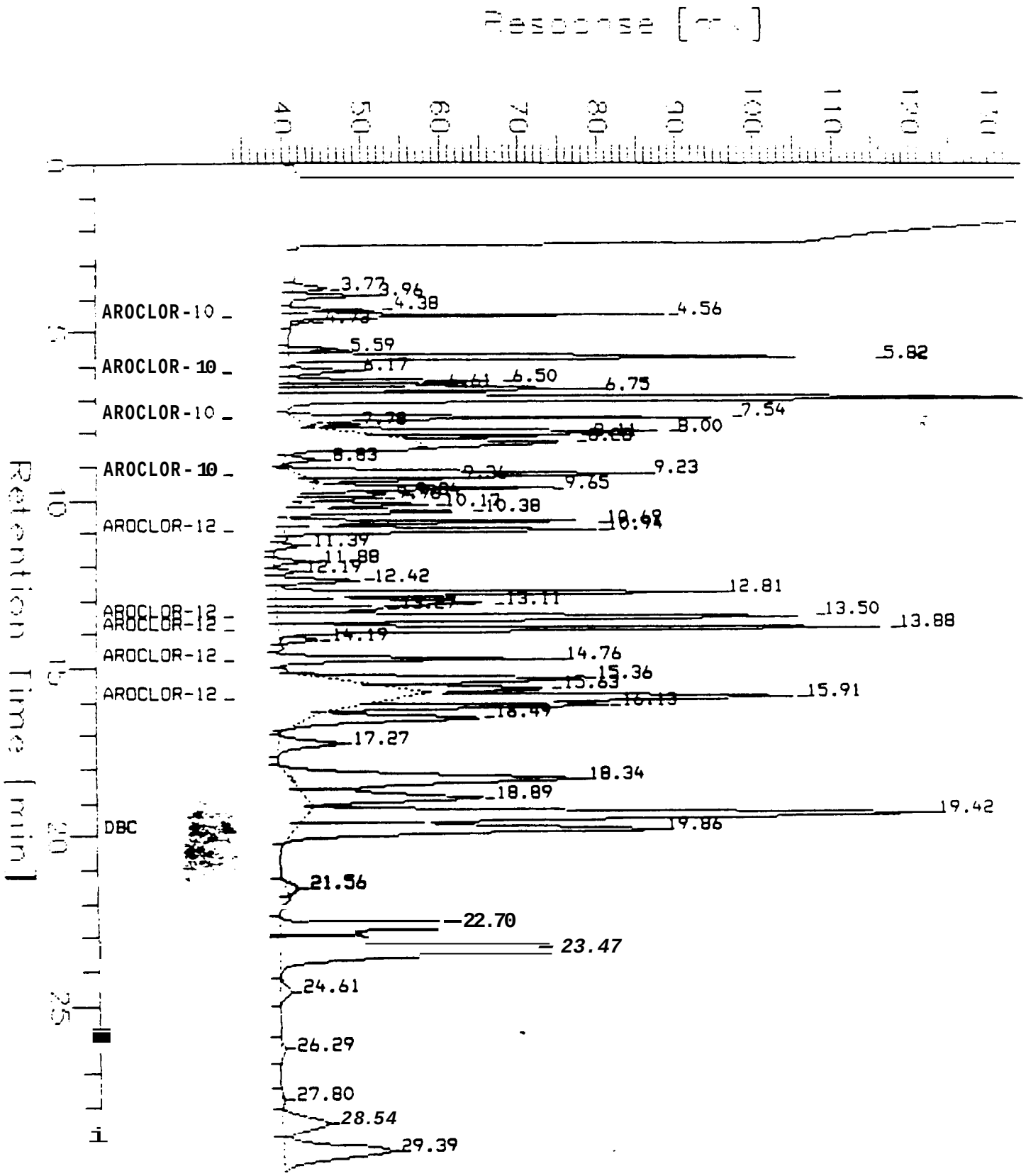
Report Stored in ASCII File: C:\2700\DATA0\DP10003.TXO

3200773

Chromatogram

000373

FileName : C:\2700\DATA0\DP10003.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 34 mV
Date : 4/9/91 11:43 AM
Low Point : 33.59 mV
Plot Scale: 100 mV
Page 1 of 1
High Point : 133.59 mV



Sample Number : 4-280[illegible] Study :
Operator : LWM,RA

000374

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 11:47 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10004.raw
Result File : C:\2700\DATA0\DP10004A.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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AROCLOR 1016 AND AROCLOR 1260 ON DB608

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CONCENTRATION 1.5 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	1.009		69398144	929143	13389	75	69.3982
2	3.773		47907	5615	138087		0.0479
3	3.967		78449	14263	181908	6	0.0785
4	4.330		90953	16480	181190	5	0.0910
5	4.561	Aroclor-1016a	386818	56230	56238	6	1.0000
6	4.738		20021	4125	198097	5	0.0208
7	5.587		61088	8989	147154	7	0.0611
8	5.820		709997	102174	143997	7	0.7100
9	6.177	Aroclor-1016b	87335	11763	11763	7	1.0000
10	6.502		266759	37785	141645	7	0.2668
11	6.614		131390	26003	197909	5	0.1314
12	6.755			54499	141979	7	0.3839
13	6.996		1422310	184182	129495	3	1.4223
14	7.546	Aroclor-1016c	593580	77533	17538	8	1.0000
15	7.776		35052	6788	193660	5	0.0351
16	7.999		362692	55915	154165	7	0.3627
17	8.111		165344	33237	291018	5	0.1653
18	8.282		211161	26879	127291	9	0.2112
19	8.335		49745	6727	13230	7	0.0498
20	9.233	Aroclor-1016d	580537	60938	60938	10	1.0000
21	9.366		123659	25359	205074	5	0.1237
22	9.659		381559	43260	113377	6	0.3816
23	9.839		107761	17142	159072	6	0.1078

3200774

27	10.689		412651	55320	134060	8	0.4127
28	10.936	Aroclor-1260a	428385	55669	55669	9	1.0000
29	11.190		13044	2200	168685	6	0.0130
30	11.387		30613	4710	153866	7	0.0306
31	11.984		52733	7023	133269	8	0.0527
32	12.189		32147	4384	136372		0.0322
33	12.426		132348	17028	128659	9	0.1324
34	12.812		660882	79601	120447	8	0.6609
35	13.137		441085	39517	89591	11	0.4411
36	13.267		140125	20916	149260		0.1401
37	13.501	Aroclor-1260b	955955	96242	96242	10	1.0000
38	13.881	Aroclor-1260c	999240	109586	109536	9	1.0000
39	14.187		69260	3100	116957		0.0693
40	14.425		10425	1443	138384	7	0.0104
41	14.754	Aroclor-1260d	482139	51296	51296	9	1.0000
42	15.361		468014	44995	95139	10	0.4680
43	15.629		236813	26939	113755	9	0.2368
44	15.922	Aroclor-1260e	770941	71245	71245	11	1.0000
45	16.131		417907	45122	107971	9	0.4179
46	16.490		374009	32012	85592	12	0.3740
47	17.269		144777	11645	80433	12	0.1448
48	18.337		937944	52004	55444	13	0.9379
49	18.891		565056	31762	56211	18	0.5651
50	19.414		1729132	110786	64070	16	1.7291
51	19.847	DBC	1137815	68869	688688	17	0.1000
52	21.560		34995	2390	68282	15	0.0350
53	22.701		631731	31031	49200	23	0.6317
54	23.470		1324387	49243	37181	27	1.3244
55	24.600		46418	2107	45400	22	0.0464
56	26.310		20142	881	43719	23	0.0201
57	27.724		13054	564	44708	22	0.0131
58	28.538		219973	8498	38631	10	0.2200
59	29.393		548890	19880	36219	23	0.5489
			90641720	3049985			93.3189

Group **Report** For : 1016

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.561	Aroclor-1016a	386818	66238	66238	6	1.0000
9	6.177	Aroclor-1016b	87335	11763	11763	7	1.0000
14	7.546	Aroclor-1016c	593580	77538	77538	8	1.0000
20	9.233	Aroclor-1016d	580537	60938	60938	10	1.0000
			1648270	216478			4.0000

Group Report **For : AROCLOR 1260**

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
28	10.936	Aroclor-1260a	428385	55669	55669	9	1.0000

41	14.754	Aroclor-1260d	482199	51296	51296	9	1.0000
44	15.922	Aroclor-1260e	770941	71245	71245	11	1.0000
			3636719	384037			5.0000

000376

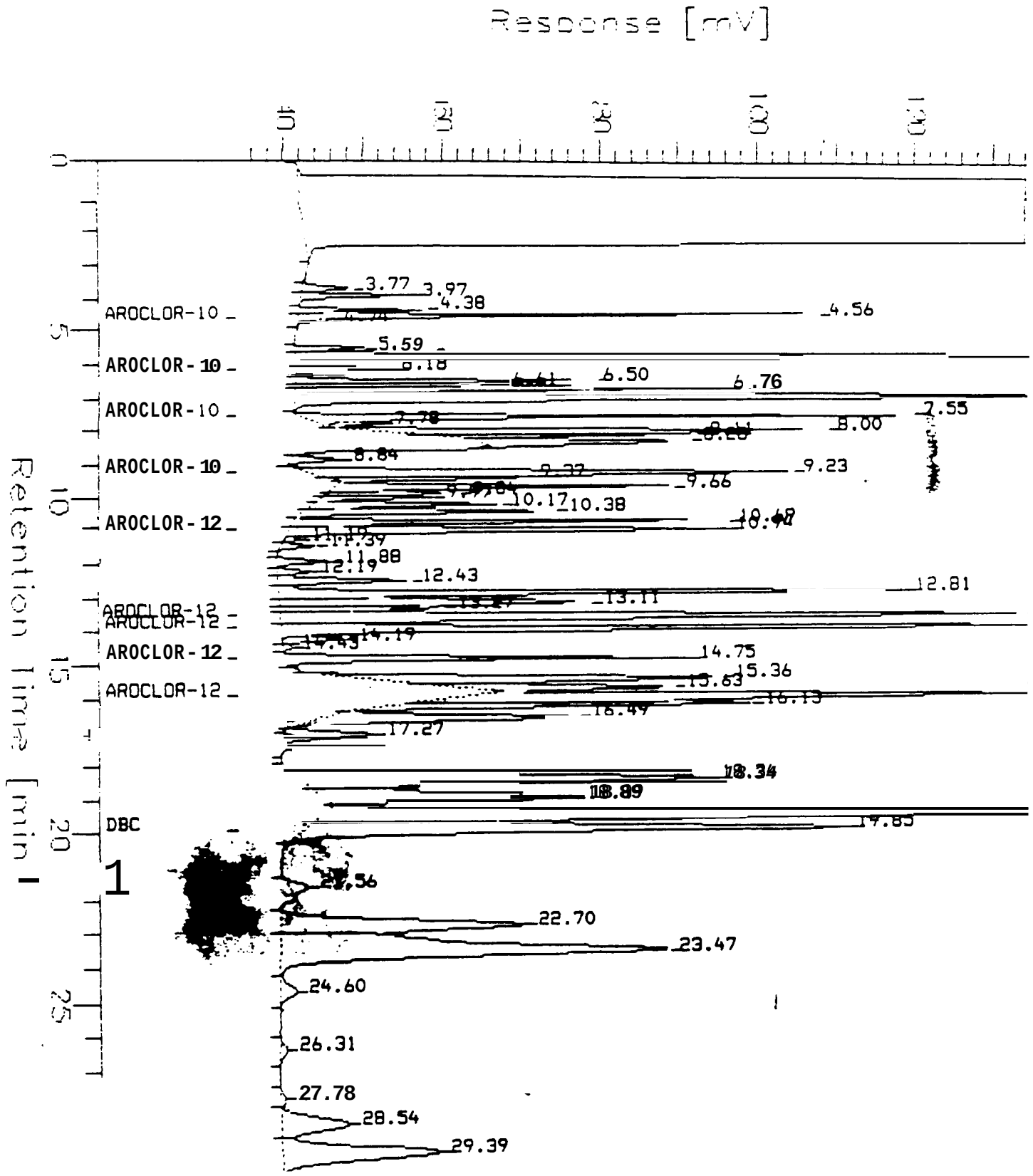
Report Stored in ASCII File: C:\2700\DATA0\DP10004.TXO

3200775

FileName : C:\2700\DATA0\DP10004.raw
Start Time : 0.00 min End Time : 30.33 min
Scale Factor: -1 Plot Offset: 34 mV

Date : 4/9/91 3:49 PM
Low Point : 34.04 mV
Plot Scale: 100 mV

Hign Point : 134.04 mV



Sample Name : PCB 1660 2.0 ug/ml Time : 4/9/91 12:53 PM
Sample Number : 5-280-7 Study :
Operator : LHM, RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 12:22 PM
Delay Time : 0.00 min.
End Time : 30.00 rnin.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10005.raw
Result File : C:\2700\DATA0\DP10005.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1016 AND AROCLOR 1260 ON DB608

CONCENTRATION 2.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	1.383		71459040	929049	13001	77	71.4590
2	3.772		61855	8461	136782	7	0.0619
3	3.967		101036	18281	180937	b	0.1010
4	4.380		116256	20924	179979	6	0.1163
5	4.560	Aroclor-1016a	[illegible]	82598	82598	b	1.0000
6	4.736		[illegible]	5364	197381	5	0.0272
7	5.588		[illegible]	11491	145802	7	0.0788
8	5.820		[illegible]	125752	142566	7	0.8821
9	6.177	[illegible]	[illegible]	15090	15090	8	1.0000
10	6.503		[illegible]	47954	141786	7	0.3382
11	6.613		[illegible]	32777	198092	5	0.1655
12	6.753		479761	67559	140819	7	0.4798
13	6.996		1767926	228740	129384	8	1.7679
14	7.546	Aroclor-1016c	740876	96420	96420	a	1.0000
15	7.776		44664	a595	192436	5	0.0147
16	8.000		455708	70259	154176	7	0.4557
17	8.111		205464	41326	201134	5	0.2055
18	8.283		264844	33859	127846	8	0.2648
19	8.836		53825	8732	136809	7	0.0638
20	9.232	Aroclor-1016d	720538	75355	75355	10	1.0000
21	9.355		154179	31416	202975	5	0.1548
22	9.662		478180	53587	112064	9	0.4782
23	9.839		136343	21733	159400	6	3.1363

24	9.965		103075	18451	179004	5	0.1031
25	10.173		194678	30328	155785	6	0.1947
26	10.378		280942	40686	144821	7	0.2809
27	10.669		511604	68104	133119	8	0.5116
28	10.937	Aroclor-12[redacted]	530098	67256	67256	8	1.0000
29	11.199		17097	3363	167450	6	0.0171
30	11.389		39938	5036	152390		0.0399
31	11.834		67573	8941	132321	8	0.0676
32	12.133		42495	5673	133623	8	0.0425
33	12.427		172355	21767	126290	9	0.1724
34	12.815		330539	37903	117872		0.3306
35	13.107		552322	49131	88554	11	0.5523
36	13.371		176472	25321	143148		0.1765
37	13.502	Aroclor-1260b	1182148	118816	118816	10	1.0000
38	13.292	Aroclor-1260c	1233620	135229	135229	9	1.0000
39	14.188		88545	10257	115946	9	0.0886
40	14.425		13729	1360	135487	7	0.013[redacted]
41	14.753	Aroclor-1260d	607370	63722	63722	10	1.0000
42	15.362		578873	56205	97093	10	0.5789
43	15.626		301484	33537	111405	9	0.3015
44	15.911	Aroclor-1260e	947547	38964	88964	11	1.0000
45	16.130		518017	55380	106908	9	0.5180
46	16.496		469866	39726	84546	12	0.4699
47	17.275		191081	14817	77544	14	0.1911
48	18.338		1183389	64547	54544	18	1.1834
49	18.393		715101	39728	55556	18	0.7151
50	19.418		2163164	137396	63747	16	2.1632
51	19.855	DBC	1478179	39112	891115	17	0.1000
52	21.553		45055	3141	69720	14	0.0451
53	22.702		809900	39133	48319	17	0.8099
54	23.461		1675223	62923	37561	27	1.6752
55	24.591		60250	2755	45725	22	0.0603
56	26.313		25622	1138	44402	23	0.0256
57	27.795		15688	731	46607	22	0.0157
58	28.546		282209	11089	39293	25	0.2822
59	29.393		703955	25406	36091	28	0.7040
			98147992	3577007			99.2117

Group Report For : 1016

Peak #	Ret Time [min]	Co[redacted]	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.560	Aroclor-[redacted]	[redacted]457	82598	82598	6	1.0000
9	6.177	Aroclor-[redacted]	1[redacted]513	15090	15090	8	1.0000
14	7.546	Aroclor-1016c	740876	96420	96420	8	1.0000
30	9.232	Aroclor-1016d	720538	75355	75355	10	1.0000
			2057383	269463			4.0000

Group Report For : AROCLOR 1260

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
28	10.937	Aroclor-1260a	530098	67256	67256	8	1.0000

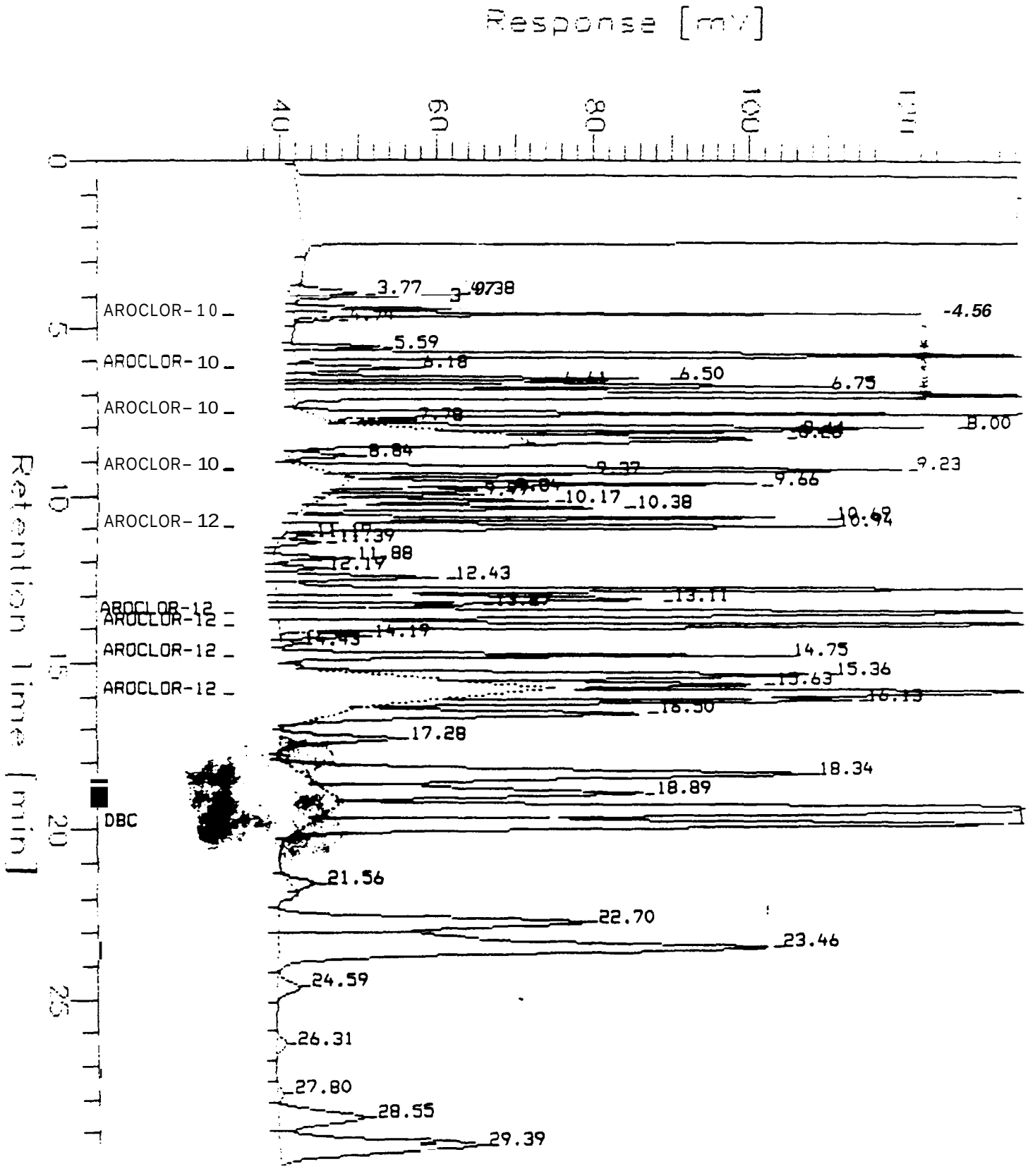
37	13.502	Aroclor-1260b	1182148	118816	118816	10	1.0000
38	13.882	Aroclor-1260c	1233620	135229	135229	9	1.0000
41	14.753	Aroclor-1260d	607370	63722	63722	10	1.0000
44	15.911	Aroclor-1260e	947547	38964	38964	11	1.0000
			4500783	475987			5.0000

Report **Stored** in **ASCII File:** C:\2700\DATA0\DP10005.TXO

a

Chromatogram

FileName : C:\E700\DATA0\DP10005.raw
Start Time : 0.00 min
Scale Factor: -1
End Time : 30.00 min
Plot Offset: 34 mV
Date : 4/9/91 12:54 PM
Low Point : 34.14 mV
Plot Scale: 100 mV
Page 1 of 1
High Point : 134.14 mV



Sample Name : PCB 1221 .25 ug/ml Time : 4/9/91 1:29 PM
Sample Number: 1-281-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 12:57 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10006.raw
Result File : C:\2700\DATA0\DP10006.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1221608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1221 ON DB608

CONCENTRATION .25 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.604		18953006	932211	49185	20	18.9530
2	2.370		906746	33906	37393	27	0.9068
3	2.978		7779	1682	216213	[illegible]	3.0078
4	3.767		17776	2051	115373	9	0.0178
5	3.962		50171	9184	183050	5	0.0502
6	4.378	Aroclor-1221A	34931	6422	19284	5	0.3330
7	4.560	[illegible]	110636	19751	178519	5	0.1106
8	4.735	Aroclor-[illegible]	16338	3020	9069	[illegible]	0.3330
9	5.525	[illegible]	9629	1600	166171	b	0.0096
10	5.772	[illegible]	85153	3273	130102	E	0.0252
11	6.997		15713	2292	145837	7	3.0157
12	7.548		7563	972	123486	3	0.0076
13	7.997		5928	725	122206	8	0.0059
14	9.282		7075	1043	147378	7	0.0071
15	12.792		170848	5062	29631	34	0.1709
16	17.403		5639	453	80345	12	0.0056
17	18.217		31761	2090	65814	1	0.0318
18	19.355	DBC	299471	12329	123275	17	0.1000
			20586164	1038062			21.0914

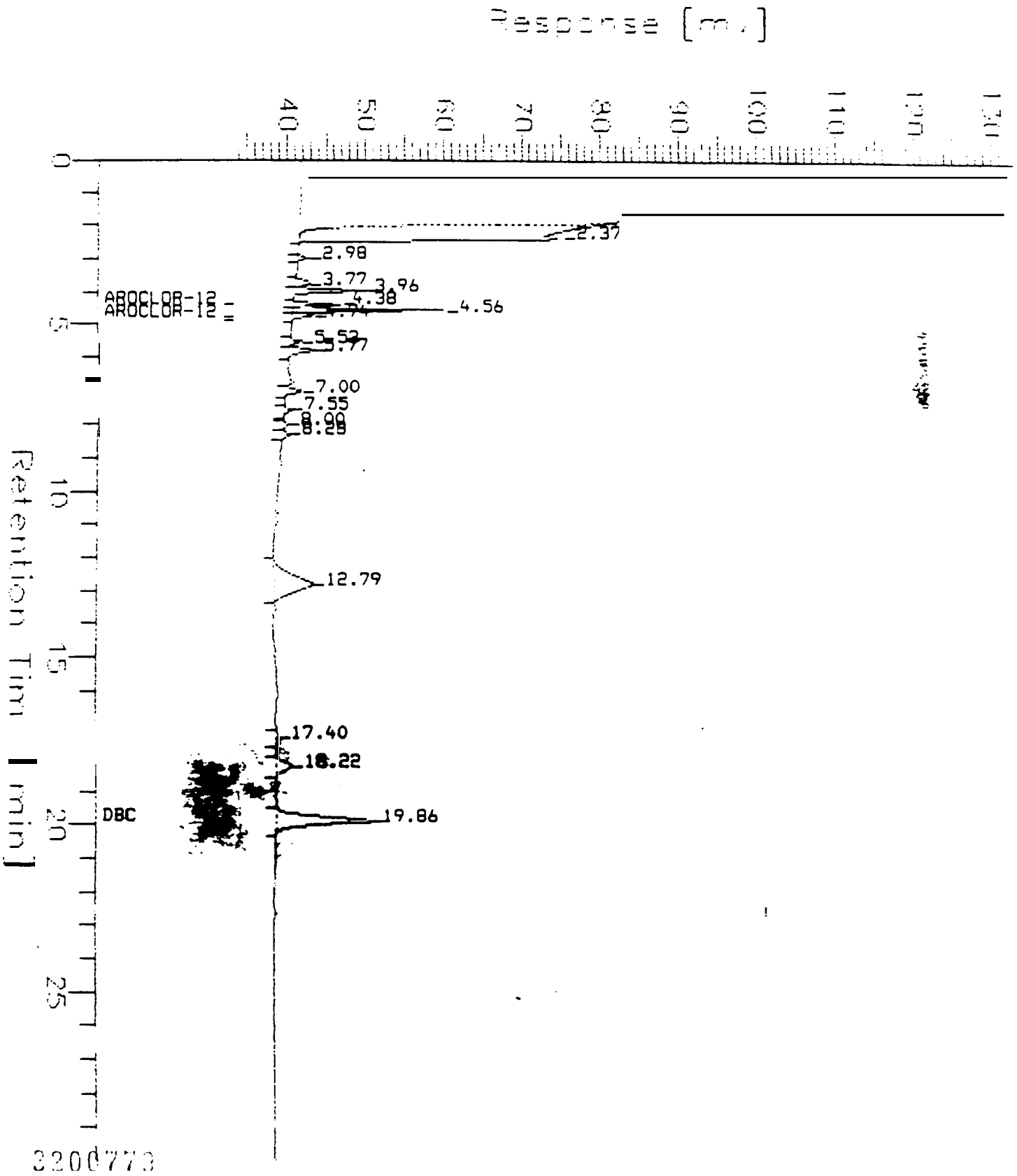
Group Report For : 1221

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.378	Aroclor-1221A	34931	6422	19294	5	0.3330
8	4.735	Aroclor-1221B	16338	3020	9069	5	0.3330
			51269	9442			0.6660

Report Stored in ASCII File: C:\2700\DATA0\DP10006.TX0

Chromatogram

FileName : C:\2700\DATA0\DP10006.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 34 mV
Date : 4/9/91 1:29 PM
Low Point : 33.56 mV
Plot Scale: 100 mV
Page : 1
High Point : 133.5



Sample Name : PCB 1221 .50 ug/ml Time : 4/9/91 2:04 PM
Sample Number: 2-281-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 1:32 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10007.raw
Result File : C:\2700\DATA0\DP10007.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1221608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1221 ON DB608

CONCENTRATION .50 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.529		24344308	730428	38220	26	24.3443
2	2.371		1360723	52039	38244	26	1.3607
3	2.978		15851	3274	206576	5	0.0159
4	3.768		33725	3872	114801	9	0.0337
5	3.963		93926	17050	181527	6	0.0939
6	4.379	Aroclor-1221	65577	11981	35978	6	0.3330
7	4.559		200703	35325	176006	6	0.2007
8	4.737	Aroclor-1	31667	5740	17237	6	0.3330
9	5.526		18776	3090	164567	6	0.0188
10	5.775		47868	6190	129317	8	0.0479
12	6.749		7413	1310	176664	6	0.0074
13	6.997		30520	4401	144198	7	0.0305
14	7.548		14751	1303	128979	8	0.0148
15	7.998		10754	1376	127927	8	0.0108
16	8.289		8992	1299	144482	7	0.0090
17	10.688		5413	784	144781	7	0.0054
18	10.938		5456	772	141459	7	0.0055
19	12,822		5048	744	147327	7	0.0051
20	13.507		7461	330	111211	9	0.0075
21	13.284		5441	698	128211	8	0.0054
22	18.223		59795	3943	65935	15	0.0598
23	19.851	DBC	398750	22915	229151	17	0.1000

26772914 1109961 27.0429

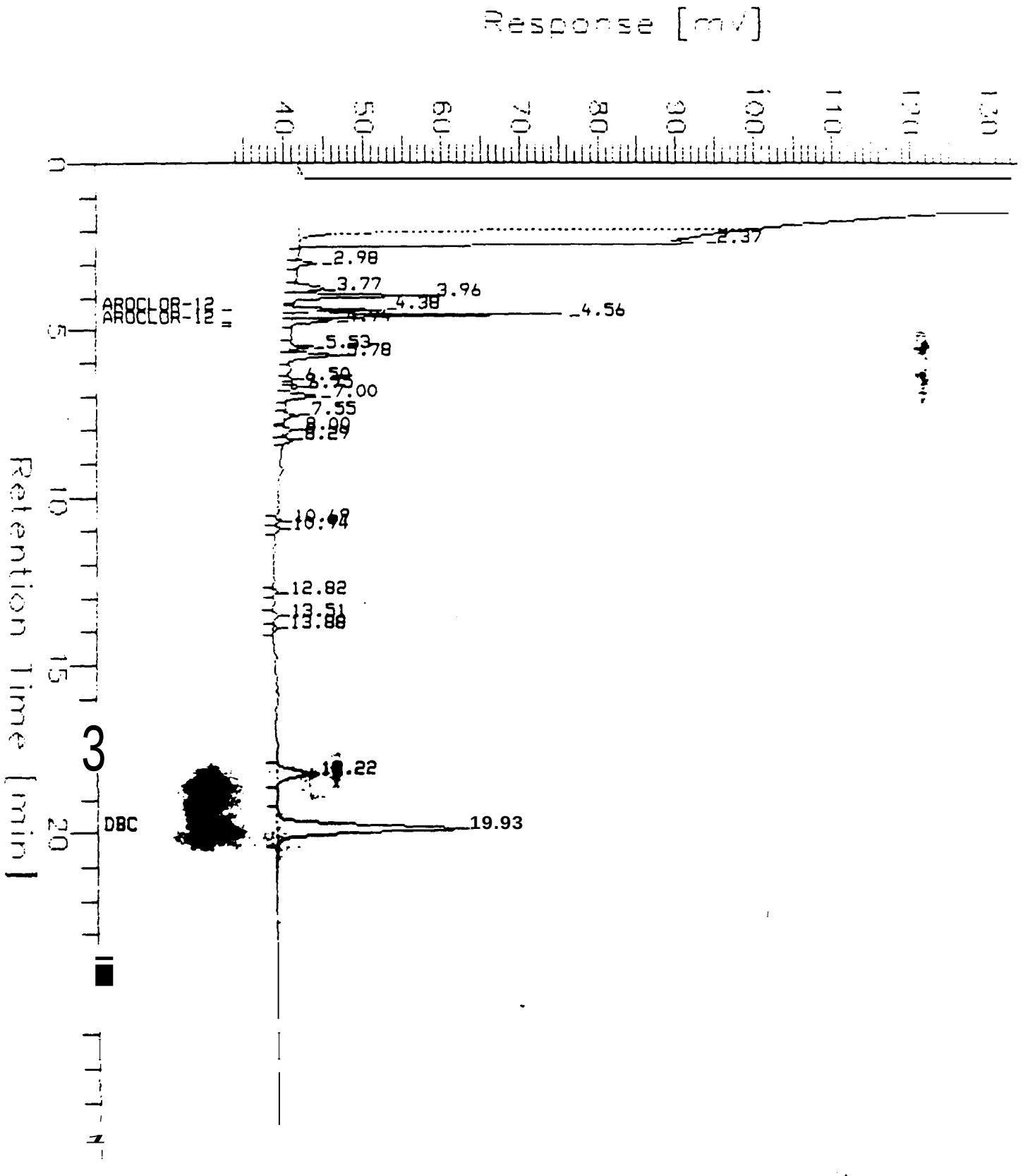
Group **Report For : 1221**

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
2	[illegible]	Aroclor-1221A	65577	11981	35973	6	0.3330
3	[illegible]	Aroclor-1221B	31667	5740	17237	6	0.3330
			97243	17721			0.6660

Report Stored in ASCII File: C:\2700\DATA0\DP10007.TXO

Chromatogram

FileName : C:\[illegible]\BATA0\DP10007.raw
Start Time : [illegible] min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 33 mV
Date : 4/9/91 2:04 PM
Low Point : 33.37 mV
Plot Scale: 100 mV
Page 1 of 1
High Point : 133.37 mV



Sample Name : PCB 1221 1.0 ug/ml Time : 4/9/91 2:39 PM
Sample Number : 6-281-7 Study
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 2:07 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10008.raw
Result File : C:\2700\DATA0\DP10008.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1221608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1221 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
	0.660		23069494	909897	39442	25	23.0695
2	2.372		259001	29293	113099	9	0.2590
3	2.979		31134	6347	203861	[illegible]	0.0311
[illegible]	3.768		65463	7395	112969	9	0.0655
[illegible]	3.952		177342	31E30	179484	6	0.1773
5	4.378	Aroclor-1221A	123740	22241	56789	5	0.3330
7	560		363935	53178	173596	b	0.3639
	4.737	Aroclor-[illegible]	62505	11236	33741	6	3.3330
9	5.528		36212	5983	165221	b	0.0362
10	5.775		92449	11630	125795	8	0.0925
12	6.508		5064	1021	201624	[illegible]	0.0051
13	6.749		14694	2615	177976	6	0.0147
14	7.000		59575	8520	143016	7	0.0596
15	7.548		30881	3815	123522	8	0.0309
16	7.399		21241	2705	127348	8	3.0212
17	8.290		10785	1524	141280	7	0.0108
18	9.161		8946	941	105138	10	0.0090
20	10.691		13532	1547	146883	7	0.0105
21	10.942		10053	1465	145718	7	0.0101
22	12.504		6012	598	T 3 6	10	9.3060
23	12.818		10303	1505	146118	7	0.0103
25	13.507		15144	1644	108531	9	0.0151
26	13.884		11001	1390	125454	8	0.0110

U00389

27	14.754		5859	644	109968	9	0.0059
28	15.360		5183	569	109876	9	0.0052
29	16.109		23699	1516	63976	16	0.0237
30	17.403		18563	1246	67108	15	0.0186
31	18.215		121729	7950	65395	15	0.1217
32	19.858	DBC	811338	46216	468160	17	0.1900
			25481874	1187061			25.2503

Group Report For : 1221

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug.ml]
6	4.378	Aroclor-1221A	123740	22241	56789	6	0.3330
8	4.737	Aroclor-1221B	62505	11236	33741	6	0.3330
			186245	33477			0.6660

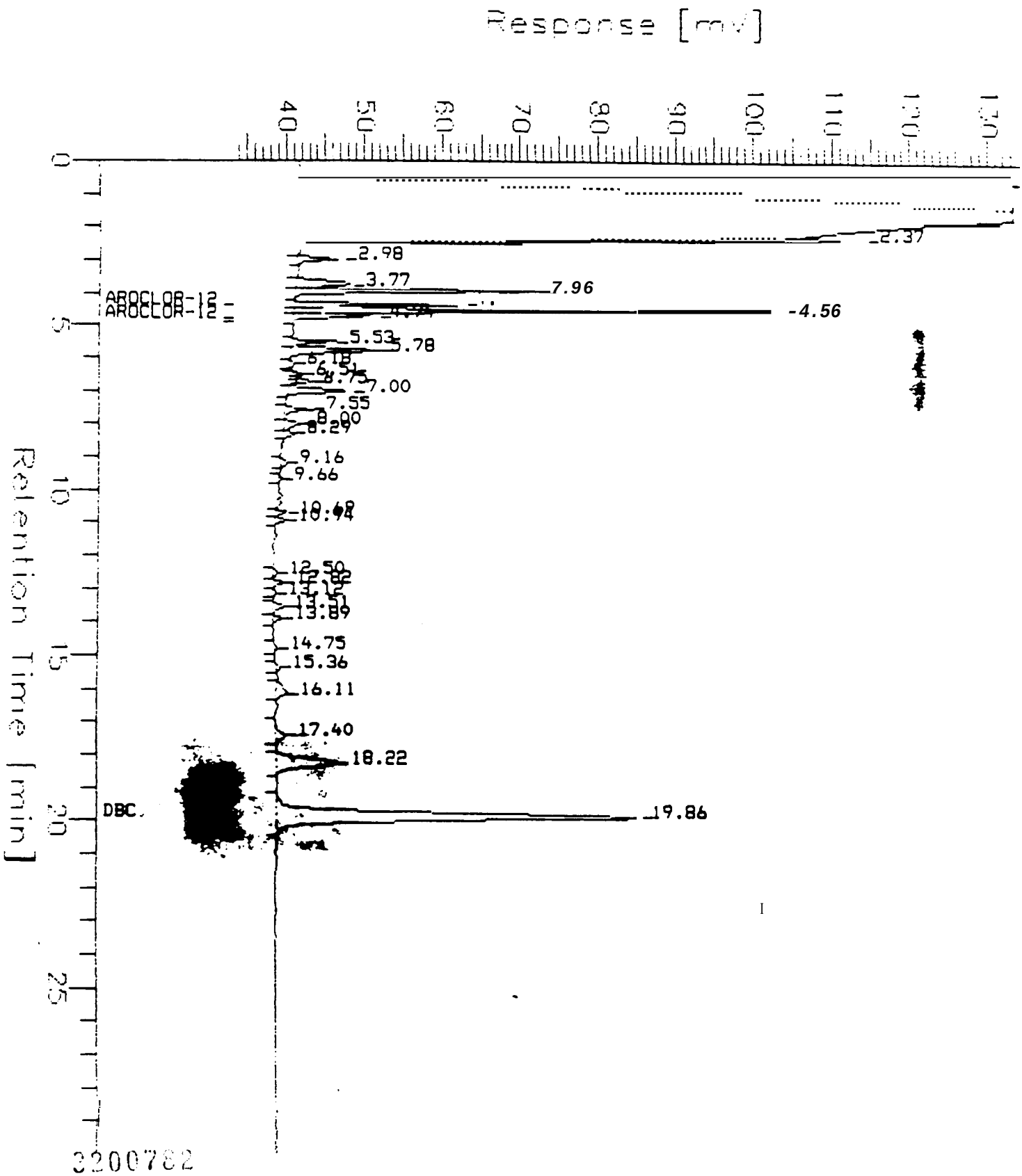
Report Stored in ASCII File: C:\2700\DATA0\DP10008.TXO

Chromatogram

File Name : C:\2700\DATA0\DP10008.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 33 mV

Date : 4/9/91 2:39 PM
Low Point : 33.30 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 133.3



Sample Name : PCB 1221 1.5 ug/ml Time : 4/9/91 3:14 PM
Sample Number: 4-281-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 2:42 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10009.raw
Result File : C:\2700\DATA0\DP10009.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1221608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1221 ON DB608

CONCENTRATION 1.5 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
	0.746		28234682	887818	31444	32	28.2347
2	3.371		358130	37883	105780	10	0.3581
3	2.979		44619	9098	203895	[illegible]	0.0446
4	3.767		92125	10320	111301	9	0.0927
5	3.963		249319	44303	177697	6	0.2493
6	4.379	Aroclor-1221A	[illegible]	30982	93039	6	0.3330
7	4.560		[illegible]	86018	171482	6	0.5016
8	4.737	Aroclor-1[illegible]	[illegible]	15953	47906	5	d.3330
9	5.528			8625	163099	6	0.0529
10	5.775		132337	16528	124894	8	3.1323
11	6.185		ND	1012	138766	7	0.0073
12	6.504		5821	1263	216706	5	0.0058
13	6.750		21854	3862	176728	6	0.0219
14	6.999		86782	12311	141659	[illegible]	0.0868
15	7.550		45247	5531	122382	8	0.0453
16	8.001		31592	3974	125784	8	0.0316
17	8.286		8998	1267	140794	7	0.0090
18	9.164		13033	1357	104119	10	0.0130
20	10.173		5943	955	160572	6	0.0060
21	10.379		6340	962	154916	7	0.0063
22	10.691		16609	2379	143232	7	0.0156
23	10.938		15969	2239	140226	7	0.0160
25	12.819		16682	2319	139001	7	0.0167

26	13.118		5371	726	135118	7	0.0054
27	13.505		22478	2450	109003	9	0.0225
28	13.885		16237	2028	124871	8	0.0162
29	14.758		8987	961	106980	9	0.0090
30	15.363		7348	613	111359	9	0.0074
31	15.920		5701	685	120069	8	0.0057
32	17.379		8694	630	72447	14	0.0087
33	18.214		178290	11528	64656	16	0.1783
34	19.358	DBC	1176914	67779	677784	17	1.1769
			31641936	1274588			30.9676

Group Report For : 1221

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.379	Aroclor-1221A	174055	30982	93039	5	0.3330
8	4.737	Aroclor-1221B	89392	15953	47906	6	0.3330
			263447	46935			0.6660

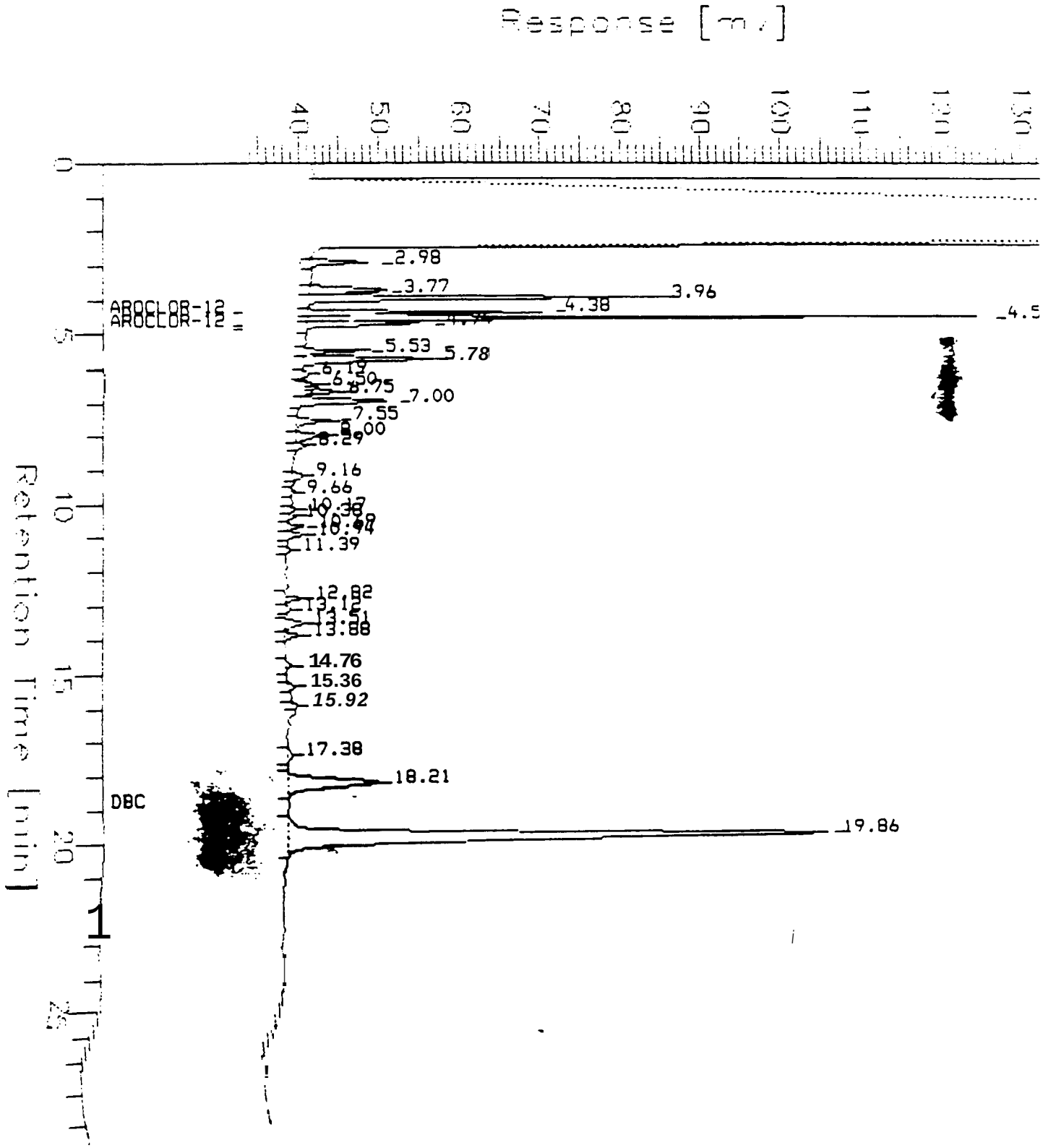
Report Stored in ASCII File: C:\2700\DATA0\DP10009.TXO

Chromatogram

FileName : C:\2700\DATA0\DP10009.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 33 mV

Date : 4/9/91 3:14 PM
Low Point : 33.15 mV
Plot Scale: 100 mV

High Point : 133.15 mV



Sample Number: 5-281-7 Study : 000394
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 3:17 PM
Delay Time : 0.00 min.
End Time 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10010.raw
Result File C:\2700\DATA0\DP10010.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sampie File C:\2700\1221608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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AROCLOR 1221 ON DB608

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CONCENTRATION 2.0 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
I	0.796		31150472	868989	27941	36	31.1005
2	2.373		413760	43892	106081	3	0,4138
3	2.977		56669	11491	202779	5	0.0567
4	3.768		116687	12855	110163	3	0.1167
5	3.953		310805	54699	175991	6	0.3108
6	4.379	Aroclor-1221A	216303	38358	115190	6	0.3330
7	4.560		617844	105603	170921	6	0.6178
8	4.738	Aroclor-1221B	116096	23239	60779	6	0.3330
9	5.527		66902	10820	161731	6	0.0669
10	5.775			20735	125038	8	0.1658
11	6.182		9275	1305	140678	7	0.3693
12	6.505		7437	1594	214359	5	0.0074
13	6.751		27783	4867	175187	6	0.0278
14	7.000		109998	15560	141460	7	0.1100
15	7.550		58043	7101	122342	8	0.0580
16	8.000		40073	5106	124929	8	3.0409
17	8.286		10118	1364	134823	7	3.0101
18	9.162		16724	1758	105140	10	0,0167
19	9.663		5860	720	122922	a	0.0059
20	10.175		7716	1244	161424	b	0.0077
21	13.386		3523	1272	149270	7	0.0085
22	10.692		20768	2971	143073	7	0.0208
23	10.940		19705	2841	144163	7	0.0197

3200784

000395

26	12.821		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	13.115		6778	894	131957	8	0.0068
28	13.503		28968	3133	108144	9	0.0290
29	13.886		21063	2612	123998	8	0.0211
30	14.757		11456	1235	107761	9	0.0115
31	15.368		9694	1079	111309	9	0.0097
32	15.927		5684	591	121583	9	0.0057
33	16.491		5801	479	32523	12	0.0058
34	17.290		11288	739	69892	14	0.0113
35	18.220		227928	14845	65130	15	0.2279
36	19.356	BBC	1509310	57002	87[illegible]019	17	[illegible]
			35395336	1352781			34.3195

Group **Report For** : 1221

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
6	4.379	Aroclor-1221A	216393	38358	115190	5	0.3330
8	4.736	Aroclor-1221B	116096	20239	60779	6	0.3330
			332479	58598			0.6660

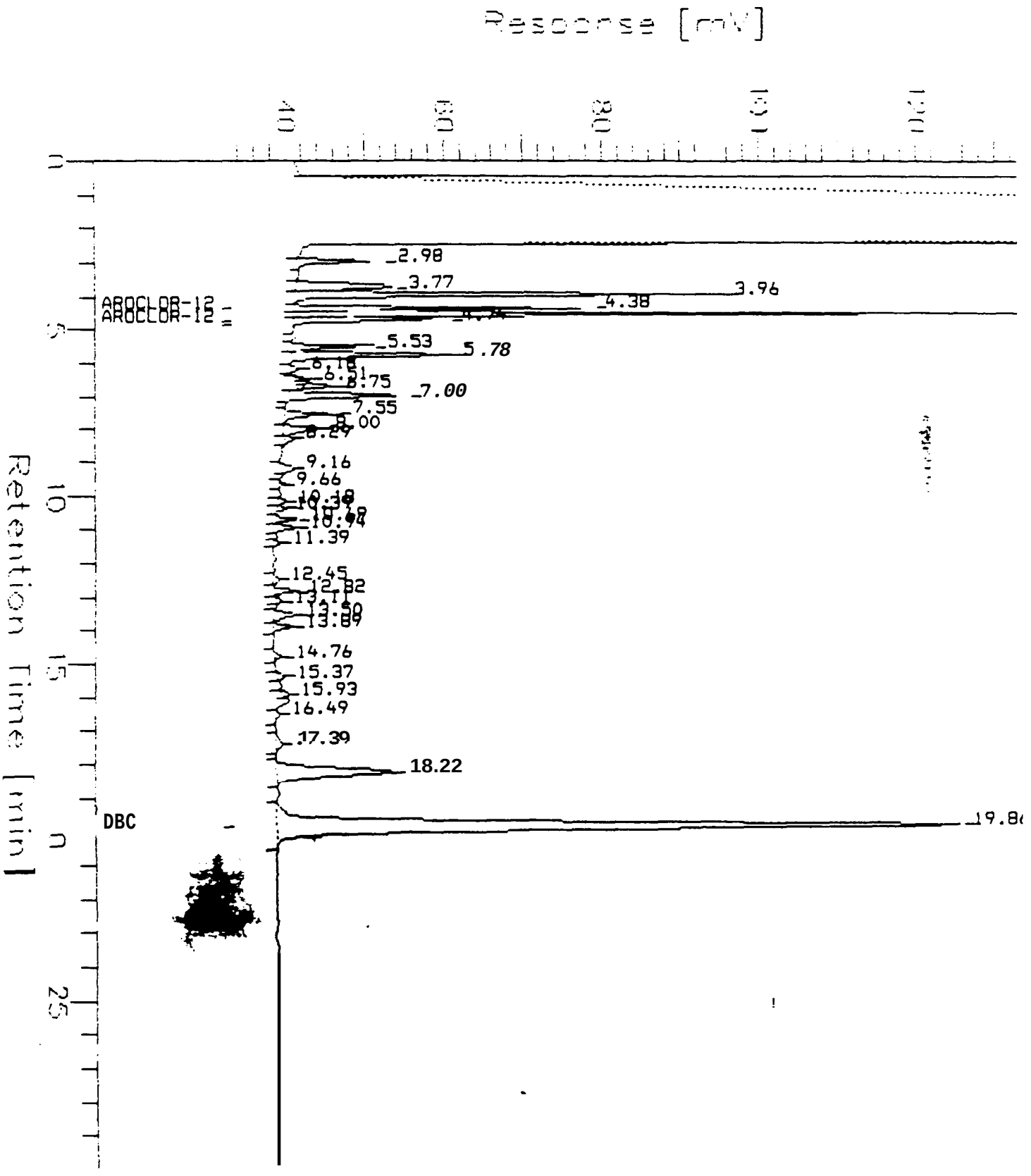
Report Stored in ASCII File: C:\2700\DATA0\DP10010.TXO

000396

FileName : C:\2700\DATA0\DP10010.raw
Start Time : 0.00 min
Scale Factor: -1
End Time : 30.00 min
Plot Offset: 33 mV

Date : 4/9/91 3:54 PM
Low Point : 33.18 mV
Plot Scale: 100 mV

High Point : 133.18 mV



3200785

Sample Name : PCB 1232 .25 ug/ml Time : 4/9/91 4:24 PM
Sample Number: 1-282-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 3:52 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10011.raw
Result File : C:\2700\DATA0\DP10011.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1232608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1232 ON DB608

CONCENTRATION .25 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.538		15164038	930548	61366	16	15.1640
2	2.372		592886	22030	37158	27	0.5929
4	3.770		11631	1451	124737	8	0.0116
5	3.964		29219	5372	183851	5	0.0292
6	4.380	Aroclor-1232a	21054	4066	20330	[illegible]	0.2000
7	4.561	Aroclor-1232b	82737	15365	76824	[illegible]	0.2000
8	5.545		9423	1145	121535	8	0.0094
9	5.819		[illegible]5141	12134	142518	[illegible]	0.0851
10	6.175	Aroclor-[illegible]	[illegible]6961	1005	5026	[illegible]	0.2000
11	6.505		[illegible]0904	2212	202854	5	3.0109
12	6.755		24082	4388	182211	6	0.0241
13	6.996		149565	20874	139568	7	0.1496
14	7.548	Aroclor-1232d	56514	8268	41339	7	0.2000
15	7.999		22113	4261	192705	5	0.0221
16	8.283		24759	3379	136454	7	0.0248
17	9.235		39375	4356	123315	8	3.3394
18	9.059		30611	3608	117860	9	0.0306
19	9.767		23911	3005	125685	8	0.0239
20	10.173		37073	5199	158661	6	0.0391
21	10.382		52318	7712	147400	[illegible]	0.0523
22	10.590		7455	1141	152999	7	0.0075
23	10.744		10511	1450	137986	7	0.0105
25	11.391	Aroclor-1232e	44201	[illegible]38	39168	7	0.1667

000398

26	11.891		5336	683	128062	8	0.0053
27	12.197		5590	727	130115	8	0.0056
28	12.424		6041	885	146463	7	0.0060
29	12.662		5720	884	154489	7	0.0057
30	12.825		10739	1570	146155	7	0.0107
31	13.279		5776	866	149999	7	0.0058
32	15.113		5195	606	115500	9	0.0052
33	17.410		6339	329	33372	19	0.0063
34	18.215		31593	2091	56130	15	0.0316
35	19.366	DBC	207454	12119	121193	17	0.1000
			16828260	1091949			17.4760

Group Report For : **AROCLOR 1232**

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.380	Aroclor-1232a	81054	4066	20330	5	0.2000
7	4.561	Aroclor-1232b	382737	15365	76824	5	0.2000
10	5.175	Aroclor-1232c	25961	1005	5026	7	0.2000
14	7.548	Aroclor-1232d	56514	8258	41339	7	0.2000
25	11.391	Aroclor-1232e	44201	6528	39168	7	0.1667
			811467	35232			0.9667

Report Stored in ASCII File: C:\2700\DATA0\DP10011.TXO

3200780

Chromatogram 000399

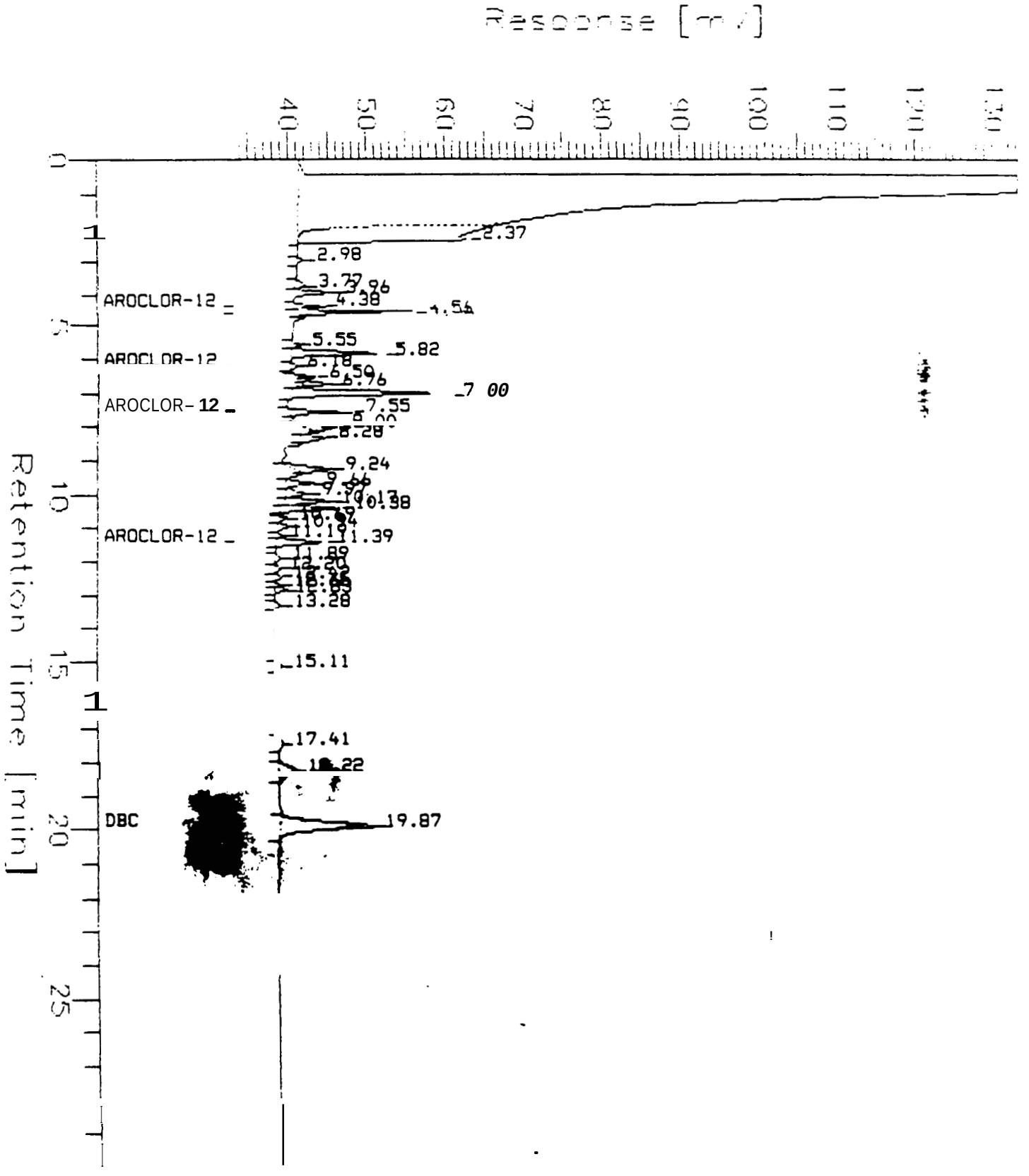
FileName : C:\2700\DATA0\DP10011.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 33 mV

Date : 4/9/91 4:25 PM
Low Point : 33.12 mV

Page 1 of 1
High Point : 133.12 mV

Plot Scale: 100 mV



Sample Name : PCB 1232 .50 ug/ml Time : 4/9/91 5:00 PM
Sample Number: 2-282-7 Study :
Operator : LWM,RA

Interface # [illegible]0 Channel : E A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: *4/9/91* 4:28 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10012.raw
Result File : C:\2700\DATA0\DP10012.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1232608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1232 ON DB608

CONCENTRATION .50 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.613		21051784	931227	44235	23	21.0518
2	2.371		1074326	39792	37039	27	1.0743
3	2.979		9494	1995	210175	5	0.0095
4	3.769		22577	2826	125178	8	0.0226
5	3.963		56634	10351	182776	6	0.0566
6	4.379	Aroclor-1232a	44752	3242	41208	5	0.2000
7	4.561	Aroclor-123[illegible]	167271	29152	145762	6	0.2000
8	4.736	[illegible]	15964	3142	196791	5	0.0160
9	5.547	[illegible]	18613	2308	124016	6	0.0186
10	5.319	[illegible]	159943	22563	141048	7	0.1599
11	6.175	Aroclor-1[illegible]	13752	2001	10006	7	0.2000
12	6.503		22611	4486	198402	5	0.0226
13	6.755		46042	8409	182640	6	0.0460
14	6.378		277724	38197	137331	7	0.2777
15	7.545	Aroclor-1232d	108401	15563	77817	7	0.2000
16	8.000		41445	7948	191759	5	0.0415
17	8.233		42354	5714	134907	7	0.0424
18	8.836		7583	1354	138958	7	0.0076
19	9.234		75414	9139	121189	8	0.0754
20	9.656		60066	7005	116576	9	0.0601
21	9.968		46524	5741	123403	8	0.0465
22	10.172		75018	11752	156654	6	0.0750
23	10.381		100776	14731	146180	7	0.1008

FileName : C:\2700\DATA0\DP05010.raw

Date : 4/7/91 8:17 PM

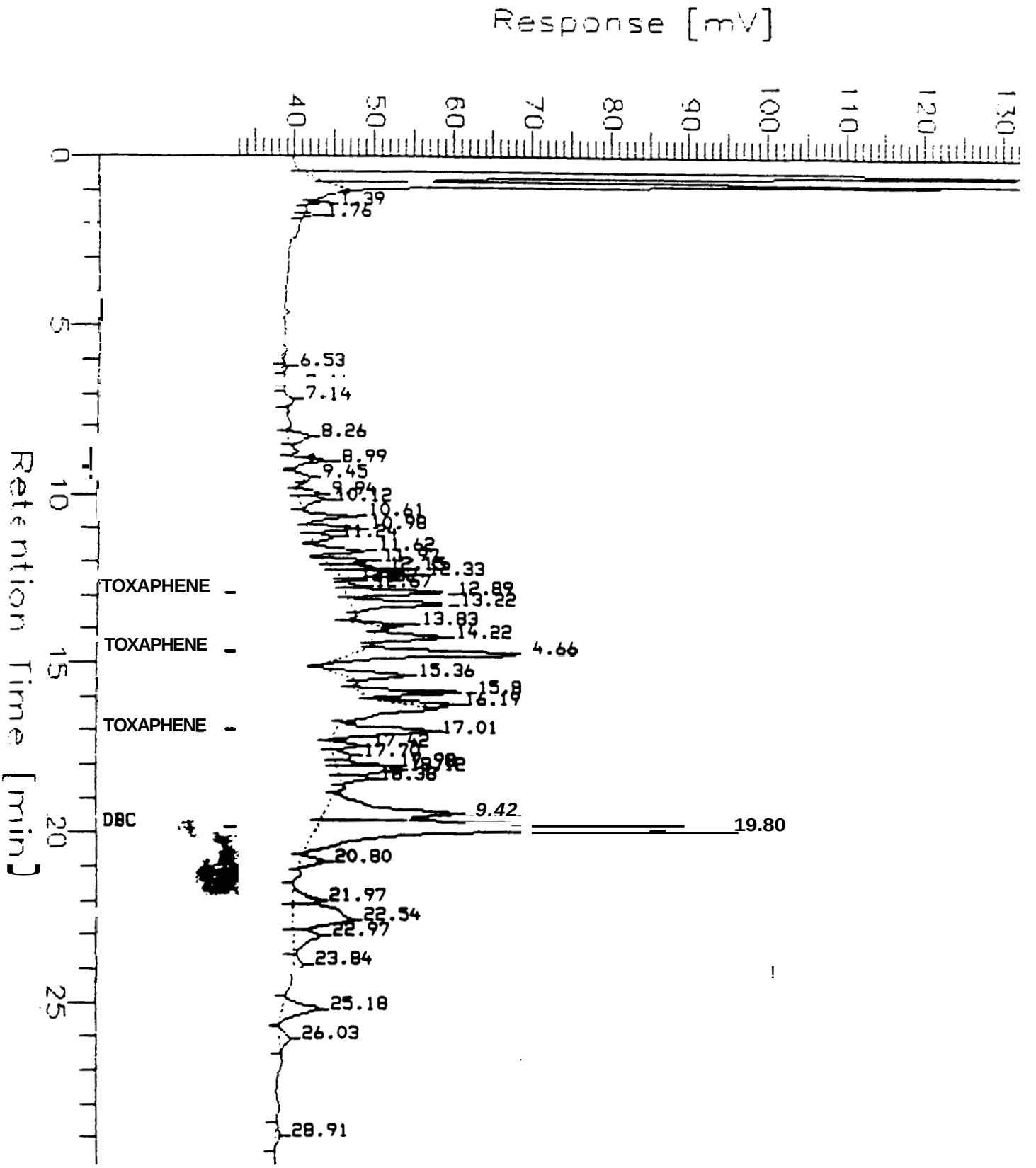
000339

Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 33 mV

Low Point : 32.74 mV
Plot Scale: 100 mV

High Point : 32.74 mV



Sample Name : MHI TOX
Sample Number: 4-286-7
Operator : SJG

Time : 4/7/91 8:20 PM
Study : 000340

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/6/91 4:01 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05011.raw
Result File : C:\2700\DATA0\DP05011.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\TOX608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TOXAPHENE ON DB608

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CONCENTRATION 1.5 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
	0.531		4675861	931020	199112	5	4.6759
	1.308		422802	78729	136208	5	0.4228
1	1.389		12522	3500	279476	4	0.0125
4	1.759		5932	1534	250623	4	0.0059
5	1.849		5421	279	180690	6	0.0054
	2.203		12670	1782	140648	7	0.0127
7	2.747		5868	1014	172859	6	0.0059
8	2.987		57922	7175	123866	8	0.0579
9	9.441		14979	1657	110612	7	0.0150
10	9.944		27005	3176	117592	9	0.0270
13	10.115		27090	3190	114414	9	0.0271
14	10.615		102308	9490	92762	11	0.1023
15	10.984		63239	6978	141976	7	0.0632
16	11.251		41577	3538	85093	12	0.0416
17	11.615		78770	8622	109454	9	0.0798
18	11.965		62174	8424	135494	7	0.0622
19	12.145		67091	6901	132675	8	0.0671
20	12.324		108967	14444	133014	8	0.1090
21	12.516		6172	1547	250586	4	0.0062
22	12.678		19396	3415	lib373	6	0.0194
23	12.391	Toxaphene a	161529	13250	19250	8	1.0000
24	13.212		126075	18092	97231	10	0.1661
25	13.832		53424	7428	137037	7	0.0534

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000341

28	15.347		163586	13367	31714	12	0.1636
29	15.848		205409	20378	99208	10	0.2054
30	16.185		74794	3006	120404	3	0.0748
31	17.023	Toxaphene c	276394	18977	18977	15	1.0000
32	17.419		60672	6248	102975	10	0.0607
33	17.790		55244	4465	80820	12	0.0552
34	18.108		230126	12513	54367	18	0.2301
35	18.374		83338	7531	90361	11	0.0833
36	18.637		18399	2273	123594	8	0.0184
37	19.416		479583	25680	53547	19	0.4796
38	19.881	DBC	1617370	78317	783174	21	1.6170
39	20.806		58801	4643	78967	13	0.0588
40	21.948		92386	5416	58624	17	0.0924
41	22.530		383705	12187	31761	32	0.3837
42	22.997		179924	6384	35481	28	0.1799
43	23.844		89050	3537	39717	25	0.0891
44	24.367		64184	1999	31150	32	0.0642
45	25.170		185803	7949	42781	23	0.1858
46	26.035		59780	2297	39430	26	0.0598
47	26.739		25263	991	39223	26	0.0253
48	28.108		17603	695	39468	25	0.0176
49	28.921		27565	944	34253	29	0.0276
			11281753	1436925			11.8543

Group Report For : TOX

Peak #	Pet Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
23	12.331	Toxaphene a	161529	19250	19250	8	1.0000
27	14.874	Toxaphene b	472128	31667	31667	15	1.0000
31	17.023	Toxaphene c	276394	18977	18977	15	1.0000
			910050	69894			3.0000

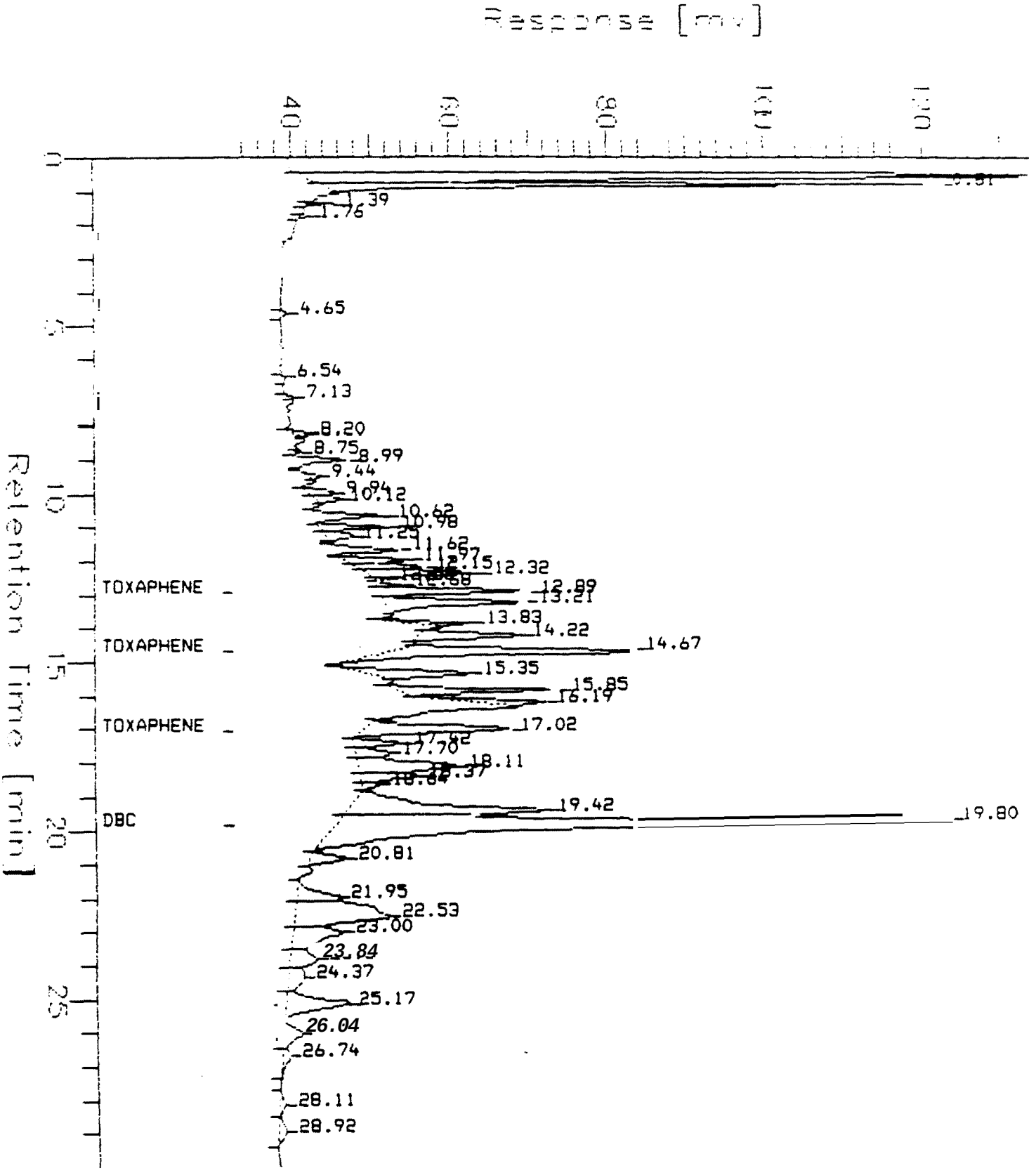
Report Stored in ASCII File: C:\2700\DATA0\DP05011.TXO

Chromatogram

000342

FileName : C:\2700\DATA0\DP05011.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 32 mV

Date : 4/7/91 3:20 PM
Low Point : 32.42 mV
Plot Scale: 100 mV



3200760

Sample Name : HIGH TOX
Sample Number: 5-286-7
Operator : SJG

Time : 4/7/91 8:24 PM
Study : 000343

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/6/91 4:36 AM
Delay Time 0.00 min.
End Time 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05012.raw
Result File C:\2700\DATA0\DP05012.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File C:\2700\TOX608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TOXAPHENE ON DB608

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CONCENTRATION 2.0 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
	8.529		5042817	a37363	185881	[illegible]	5.0428
	8.303		472911	87499	185023	[illegible]	0.4729
[illegible]	1.389		14766	4168	292255	4	0.0148
[illegible]	1.758		6629	1674	252550	4	0.0066
[illegible]	4.652		6409	1185	184842	[illegible]	0.0064
E	6.542		5537	524	94634	11	0.0055
11	7.925		9125	747	81894	12	0.0091
12	8.193		28640	3501	122242	8	0.0286
13	8.392		19035	2118	111266	7	0.0190
14	8.747		20743	1757	94684	12	0.0207
15	8.985		74371	9264	124569	3	0.0744
16	9.439		17945	2025	112953	9	0.0179
1	9.946		34589	4070	117656	9	0.0346
18	10.123		31554	3535	112039	9	0.0316
19	10.508		131568	12292	93427	11	0.1316
[illegible]	10.980		83877	11907	141957	7	0.0839
21	11.208		60490	5129	84792	12	0.0605
22	11.616		104543	11113	106301	3	0.1045
23	11.765		79843	10678	133732	8	0.0798
24	12.149		86134	11515	133688	8	0.0861
25	12.328		141321	19852	133402	8	0.1413
[illegible]	12.513		8132	2120	250683	4	0.0081
2I	12.673		26629	4640	174251	6	0.0266

000344

29	13.214		240046	22973	25297	11	0.2401
30	13.332		192353	15629	21244	12	0.1924
31	14.209		243517	20186	32893	12	0.2435
32	14.663	Toxaphene b	624435	41382	41382	15	1.0000
33	15.350		215834	17650	31775	12	0.2158
34	15.343		268395	25157	27456	10	0.2684
35	16.127		105712	13238	115766	9	0.1057
36	17.013	Toxaphene c	368480	25151	25151	15	1.0000
37	17.421		79510	8533	107314	9	0.0795
38	17.687		75944	6357	77753	13	0.0759
39	18.193		303899	15465	54245	18	0.3039
40	18.335		110014	9952	50552	11	0.1100
41	18.625		28097	3050	103559	9	0.0281
42	19.417		233549	34138	53462	17	0.2336
43	19.799	DBC	1128072	101536	1015355	21	0.1000
44	20.211		67309	6562	75162	13	0.0673
45	21.181		21096	1656	78479	13	0.0211
46	21.955		128625	7412	57627	17	0.1286
47	22.526		509946	16242	31362	31	0.5100
48	23.375		236470	8499	35943	28	0.2365
49	23.520		125630	4714	37521	27	0.1256
50	24.230		34644	2716	32012	31	0.0346
51	25.161		255892	10883	42529	24	0.2559
52	26.031		81309	3133	38535	26	0.0813
53	26.725		36267	1401	38626	26	0.0363
54	28.113		28908	1047	36201	28	0.0289
55	28.906		38893	1308	33629	30	0.0389
			13974389	1599260			13.7445

Group **Report** For : **TOX**

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
28	12.387	Toxaphene a	208938	24988	24988	8	1.0000
32	14.663	Toxaphene b	624435	41382	41382	15	1.0000
36	17.013	Toxaphene c	368480	25151	25151	15	1.0000
			1201853	91521			3.0000

Report Stored **in ASCII File: C:\2700\DATA0\DP05012.TXO**

3200700

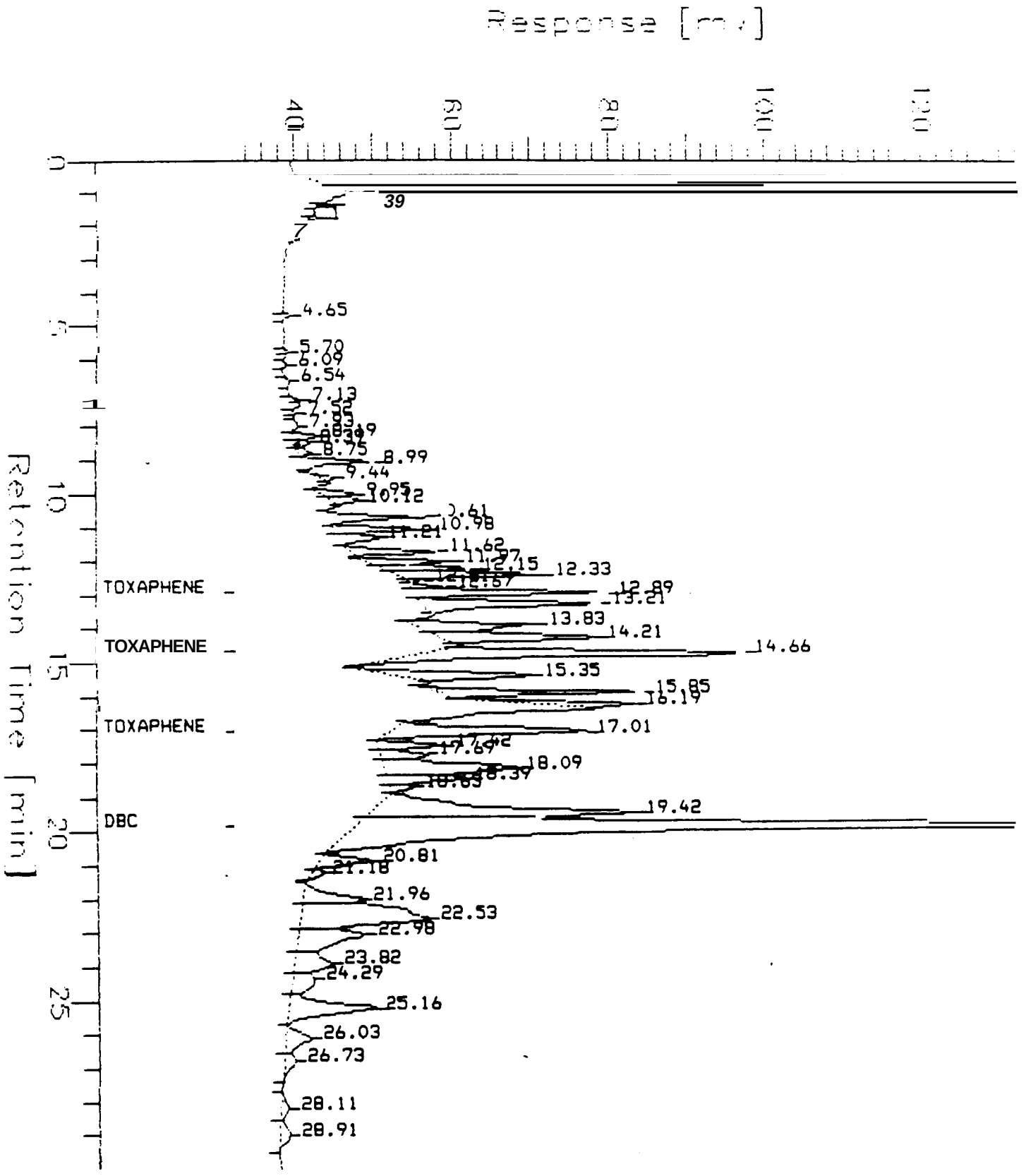
Chromatogram

000345

FileName : C:\2700\DATA0\DP05012.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 32 mV

Date : 4/7/91 8:24 PM
Low Point : 32.44 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 132.44 mV



Sample Name : LOW CHLOR
Sample Number : 1-287-7
Operator SJG

Time : 4/7/91 8:[illegible] PM
Study :

000346

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial 0/0

Data Acquisition Time: 4/6/91 5:11 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05013.raw
Result File : C:\2700\DATA0\DP05013.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\CHLO608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TECHNICAL CHLORDANE ON DB608

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CONCENTRATION .25 ug/ml

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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.592		2457187	774679	315271	3	2.4572
2	0.806		347170	147488	174095	5	0.8472
3	1.391		5671	1057	292166	3	0.0057
4	1.944		5227	1420	271611	4	0.0052
5	3.203		26000	4798	184534	5	0.0260
6	4.153		19719	2957	149929	7	0.0197
7	4.459		14866	2199	147930	7	0.0149
8	5.455		20309	2671	131006	8	0.0204
9	5.818		14710	2279	154959	7	0.0147
10	6.345		147325	20659	140225	7	0.1473
11	6.850	CHLORDANE-A	189587	25961	207691	7	0.1250
12	7.279	CHLORDANE-B	24151	3523	33133	7	0.1250
13	7.536		10173	1359	133598	8	0.0102
14	7.790		14097	1862	132101	8	0.0141
15	7.970		17058	1873	109781	9	0.0171
16	8.339		22951	2371	103290	10	0.0230
17	8.726		192176	13463	70056	14	0.1922
18	9.090		45891	3052	66507	15	0.0459
19	9.870		76040	8984	118153	9	0.0760
20	10.300		80728	8004	99153	10	0.0807
21	10.560	CHLORDANE-C	562839	46615	372920	12	0.1250
22	11.158	CHLORDANE-D	403089	39696	317571	10	0.1250
23	11.588		17873	2549	142604	7	0.0179

3200751

000347

25	12.353		25972	3032	116633	4	0.0250
26	12.936		36216	1349	51463	19	0.0262
27	13.258		13728	1701	123898	8	0.0137
28	13.481		9558	1026	107322	9	0.0096
29	13.851		58977	6351	107682	9	0.0590
30	14.488		9671	949	130177	10	0.0097
31	14.852		98323	9211	93579	11	0.0983
32	15.440		10649	990	93537	11	0.0107
34	17.139		11061	725	65523	15	0.0111
35	19.161		55635	3797	65079	15	0.0556
36	19.787	DBC	377616	22597	225372	13	0.3776
37	22.318		6213	296	47559	21	0.0062
			5962507	117448			4.9852

Group Report **For : Technical Chlordane**

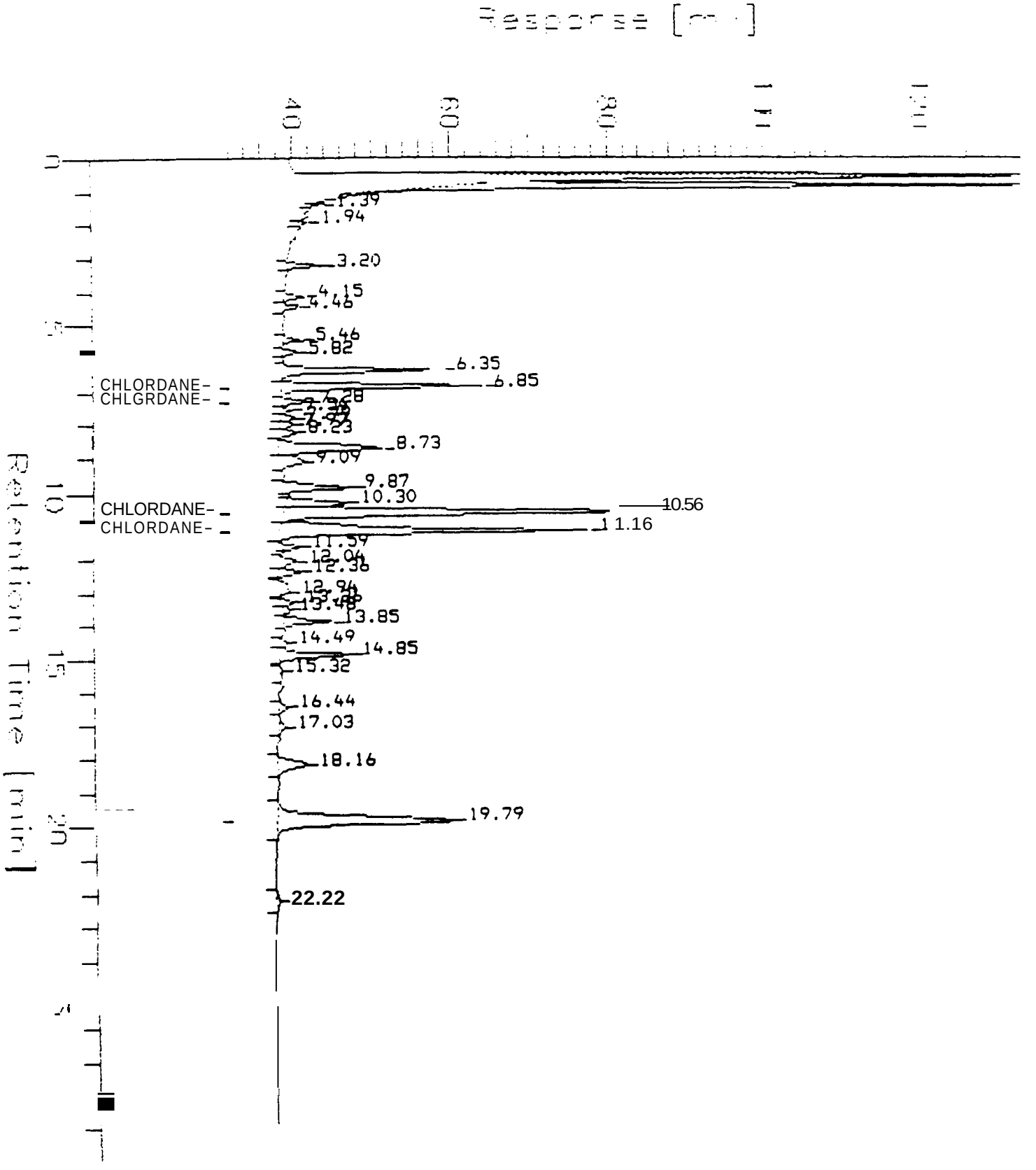
Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF -EIGHT	RF AREA	Amount (ug/ml)
11	6.850	CHLORDANE-A	189587	25951	207691	7	0.1250
12	7.279	CHLORDANE-B	24151	3523	28183	7	0.1250
21	10.560	CHLORDANE-C	562839	46615	372920	12	0.1250
22	11.158	CHLORDANE-D	403089	39696	317571	10	0.1250
			1179666	115796			0.5000

Report **Stored in ASCII File:** C:\2700\DATA0\DP05013.TXO

Chromatogram

000348

FileName : C:\2700\DATA0\DP05013.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 32 mV
Date : 4/7/91 3:29 PM
Low Point : 31.77 mV
Plot Scale: 100 mV



3200792

Sample Name : MLOW CHLOR
Sample Number: 2-287-7
Operator : SJG

Time : 4/7/91 8:53 PM
Study

000349

Interface # : 0 Channel : 8 A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data acquisition Time: 4/6/91 5:46 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05014.raw
Result File : C:\2700\DATA0\DP05014.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\CHL0608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TECHNICAL CHLORDANE ON DB608

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CONCENTRATION 0.375 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.584		3074646	905919	294642	3	3.0747
2	0.804		327459	67789	207014	5	0.3275
3	1.141		13734	3071	223587	5	0.0137
4	1.388		12905	3513	272203	4	0.0129
5	1.753		6405	1401	218748	5	0.0064
6	1.946		8162	2176	266652	4	0.0082
7	3.202		41338	7337	177495	6	0.0413
8	4.154		27112	4240	156386	5	0.0271
9	4.461		20422	3116	152598	7	0.0204
10	5.456		29139	3666	125793	3	0.0291
11	5.820		21922	3377	154052	7	0.0219
12	6.345		227592	31716	139353	[illegible]	0.2276
13	6.649	CHLORDANE-A	281126	38236	305887	7	0.1250
14	7.278	CHLORDANE-B	34843	5086	40690	7	0.1250
15	7.537		14148	1913	135224	[illegible]	0.0142
16	7.793		18342	2507	136706	7	0.0183
17	7.975		20826	2469	118563	8	0.0208
18	8.220		24744	2597	104959	10	0.0247
19	8.727		273005	19193	70302	14	0.2730
20	9.095		66118	4412	66733	15	0.0661
22	9.870		113176	13172	116389	9	0.1132
23	10.300		121157	12087	99759	10	0.1212
24	10.559	CHLORDANE-C	827410	67852	542815	12	0.1250

000350

26	11.587			32520	3926	120713	8	0.0325
27	12.040			32562	3459	106221	9	0.0326
28	12.358			40428	4503	111377	9	0.0404
29	12.690			21265	1689	79432	13	0.0213
30	12.949			14364	1720	119774	8	0.0144
31	13.261			14899	3130	141611	7	0.0149
32	13.354			86757	9316	77382	9	0.0866
33	14.481			14160	1476	105617	10	0.0142
34	14.854			136999	13596	99256	10	0.1370
35	16.441			16093	1550	96333	10	0.0161
36	17.046			5216	443	34862	12	0.0052
37	18.155			79739	5300	67397	15	0.0797
38	19.773	DBC		545691	31647	316467	17	0.1360
39	33.176			6345	361	52670	19	0.0063
				7239765	1345603			5.5633

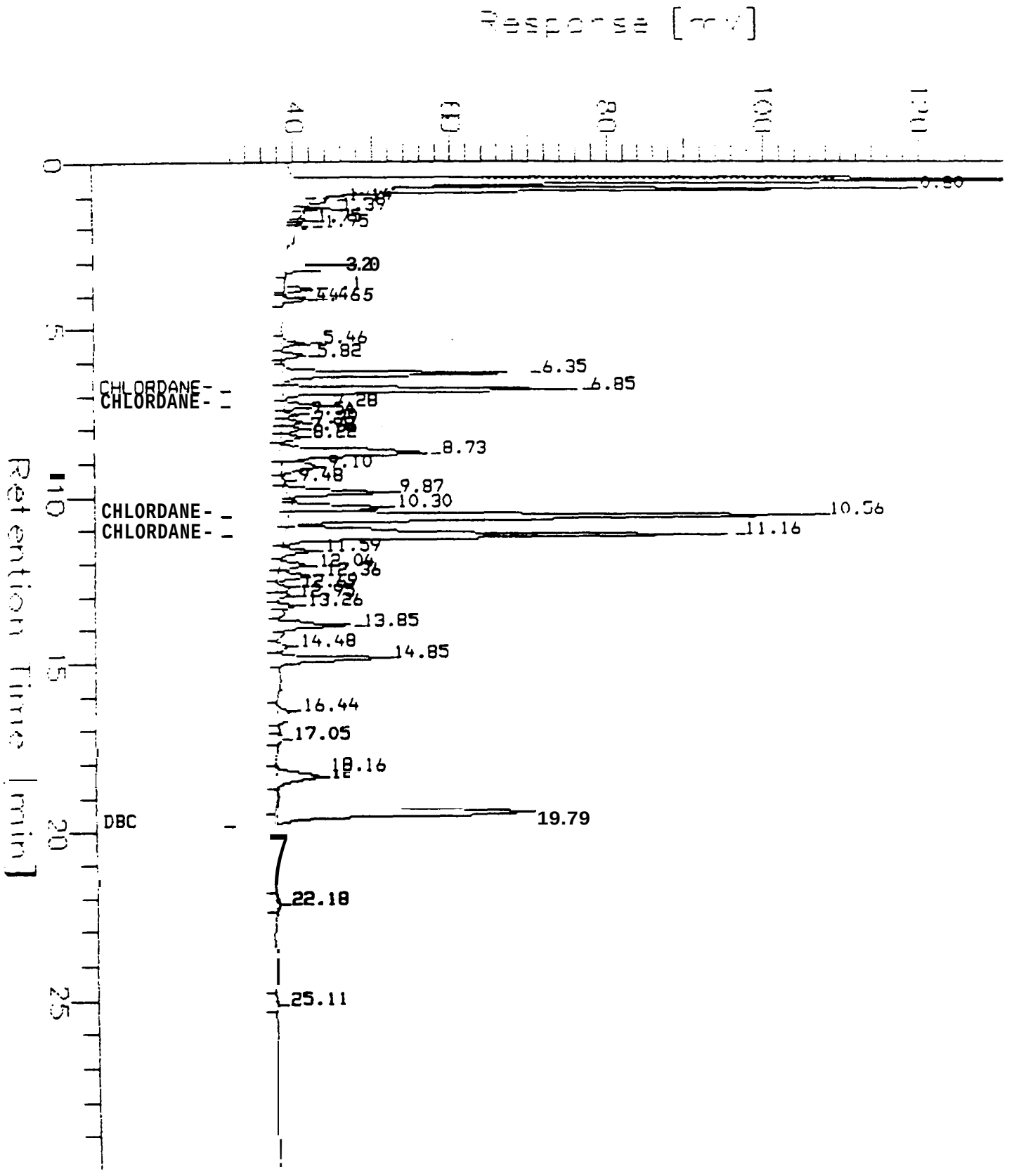
Group Report For : Technical Chlordane

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	SF HEIGHT	SF AREA	Amount [ug/ml]
13	6.649	CHLORDANE-A	281126	38236	305887	7	0.1250
14	7.278	CHLORDANE-B	34843	5086	40690	7	0.1250
24	10.559	CHLORDANE-C	827410	67852	542815	12	0.1250
25	11.161	CHLORDANE-D	587519	57645	461158	10	0.1250
			1730888	168819			0.5000

Report **Stored in ASCII File: C:\2700\DATA0\DP05014.TXO**

3200793

FileName : C:\2700\DATA0\DP05014.raw
Start Time : 3.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 32 mV
Date : 4/7/91 9:33 PM
Low Point : 31.77 mV
Plot Scale: 100 mV



Sample Name : MED CHLOR
Sample Number: 6-287-7
Operator : SJG

Time : 4/7/91 8:37 PM
Study :

000352

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/6/91 6:21 AM
Delay Time : 0.00 min.
Ena Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05015.raw
Result File : C:\2700\DATA0\DP05015.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\CHL0608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Samole Amount : 1.0000

TECHNICAL CHLORDANE ON DE608

CONCENTRATION 0.5 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.513		3995779	334468	233914	4	3.9958
2	1.365		492243	72406	147094	7	0.4922
3	1.142		33333	5856	175679	6	0.0333
4	1.337		16263	4117	253115	4	0.0163
5	1.743		5950	1285	216046	5	0.0060
6	1.945		10358	2798	269179	4	0.0104
7	3.291		52631	3351	177665	6	0.0526
8	4.152		36379	5732	157563	6	0.0364
9	4.461		27346	4217	154209	7	0.0274
10	5.055		46172	5958	129049	8	0.0462
11	5.213		29416	4529	153963	7	0.0294
12	6.345		318717	43430	136264	7	0.3187
13	6.848	CHLORDANE-A	374841	51181	409451	7	0.1250
14	7.279	CHLORDANE-B	47029	6845	54757	7	0.1250
15	7.534		18627	2524	135490	7	0.0186
16	7.791		24568	3404	138575	7	0.0246
17	7.973		26616	234	121517	8	0.0266
18	8.209		27738	2963	106726	9	0.0277
19	8.724		355822	24944	70102	14	0.3558
20	9.087		36166	5836	67729	15	0.0862
21	9.488		6247	801	128224	8	0.0063
22	9.871		153269	17676	115327	9	0.1533
23	10.299		156295	15504	99204	10	0.1563

3200794

25	11.160	CHLORDANE-D	777356	77154	617230	10	0.1250
26	11.595		31408	4686	149192	7	0.0314
27	12.041		44765	4728	135612	10	0.0448
28	12.362		46075	5216	133200	9	0.0461
29	12.717		27149	2196	80881	12	0.0272
30	13.951		18375	2222	130946	8	0.0184
31	13.367		25454	3162	124285	8	0.0255
32	13.476		11167	1346	130493	8	0.0112
33	13.853		114006	18270	107621	9	0.1140
34	14.430		19423	2082	109735	9	0.0194
35	14.853		180242	18135	160612	10	0.1802
36	16.441		21435	3655	75880	10	0.0214
37	17.049		6273	531	34616	12	0.0063
38	18.154		102979	6770	57688	15	0.1030
39	19.776	DDE	717147	41247	412471	17	0.1000
40	22.169		13632	575	45541	32	0.0136
41	25.076		6371	344	53994	19	0.0064
			7605740	1505610			7.1367

Group Report For : **Technical Chlordane**

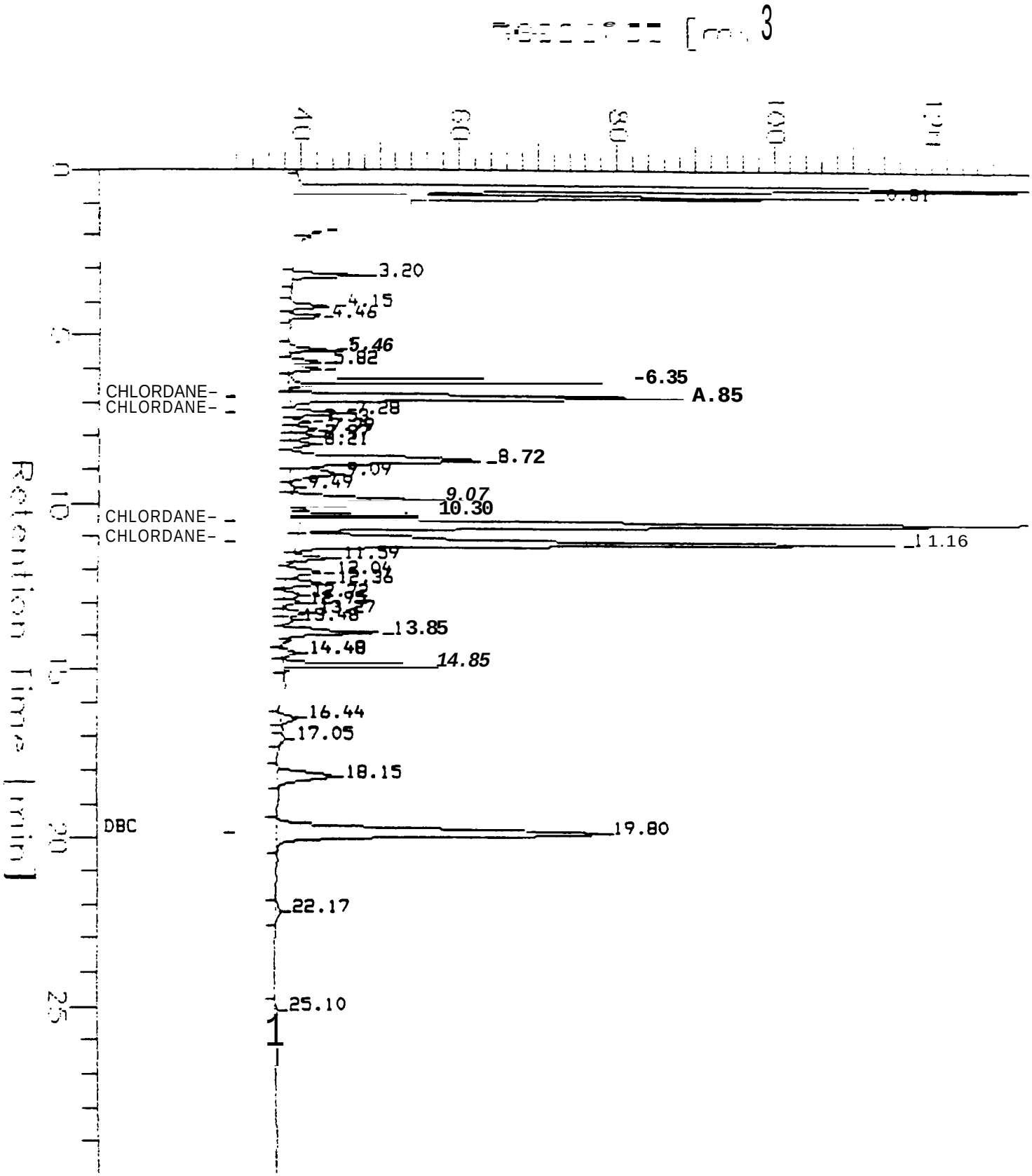
Peak #	Ret Time (min)	Component Name		Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
13	6.848	CHLORDANE-A		374841	51181	439451	7	0.1250
14	7.279	CHLORDANE-B	*	47020	6845	54757	7	0.1250
24	10.558	CHLORDANE-C		1102899	91507	732054	12	0.1250
25	11.160	CHLORDANE-D		777356	77154	617230	10	0.1250
				2302116	226687			0.5000

Report Stored **in ASCII File:** C:\2700\DATA0\DP05015.TXO

Chromatogram

FileName : C:\2700\DATA0\DP05015.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 32 mV

Date : 4/7/91 3:3[illegible] 000354 Page [illegible]
Low Point : 31.82 mV High Point : 131.82 mV
Plot Scale: 100 mV



3200795

Sample Name : MHI CHLOR
Sample Number: 4-287-7
Operator : SJG

Time : 4/7/91 3:41 PM
Study

000355

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: *4/6/91* 6:56 AM
Delay *Time* : *0.00* min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05016.raw
Result File : C:\2700\DATA0\DP05016.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\CHL0608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TECHNICAL CHLORDANE ON DB608

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CONCENTRATION 0.75 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	SF HEIGHT	RF AREA	Amount [ug/ml]
1	1.521		4794127	931206	194239	5	4.7941
2	1.805		832577	40107	172445	6	0.2326
3	1.140		26114	5223	238289	4	0.0261
4	1.367		20071	5298	263957	4	0.0201
5	1.518		7228	1536	212548	5	0.0072
6	1.743		6817	1457	213699	5	0.0068
7	1.945		17491	4403	252100	4	0.0175
8	2.071		8138	1912	234983	4	0.0081
9	3.201		82631	14642	177198	6	0.0826
10	4.152		54354	8517	156687	6	0.0544
11	4.461		40434	6216	153740	7	0.0404
12	5.456		64480	7392	114638	9	0.0645
13	5.818		45487	5909	151897	7	0.0455
14	6.346		477119	64826	135870	7	0.4771
15	6.848	CHLORDANE-A	566962	76656	613248	7	0.1250
16	7.280	CHLORDANE-B	67249	9801	78404	7	0.1250
17	7.534		28170	3920	135599	7	0.0282
18	7.790		35538	4944	139132	7	0.0355
19	7.973		39918	4812	120542	8	0.0399
20	8.209		43157	4611	106851	9	0.0432
21	8.635		220154	31520	143174	7	0.2202
22	8.785		298760	36144	120979	8	0.2988
23	9.098		126265	8590	68034	15	0.1263

24	9.484		8885	1238	139321	7	0.0089
25	9.872		250567	27647	110339	9	0.2506
26	10.077		18774	2941	156678	6	0.0188
27	10.293		275808	26106	94653	11	0.2758
28	10.560	CHLORDANE-C	1664991	135810	1086478	12	0.1250
29	11.158	CHLORDANE-D	1174077	113610	908881	10	0.1250
30	11.586		46711	7080	151579	7	0.0467
31	12.039		63512	7042	110381	9	0.0635
32	12.361		76523	9674	111352	9	0.0765
33	12.709		38323	3071	80126	13	0.0383
34	12.948		25437	3208	122096	8	0.0254
35	13.267		37758	4643	122964	8	0.0378
36	13.476		16721	2025	121114	8	0.0167
37	13.855		171831	18291	106447	9	0.1718
38	14.073		27026	2997	110880	9	0.0270
39	14.356		271456	27099	99830	10	0.2715
40	16.443		32499	3126	96174	10	0.0325
41	17.028		9119	744	81610	12	0.0091
42	18.162		152611	10364	67913	15	0.1526
43	19.791	DBC	1062497	61974	619741	17	0.1000
44	22.181		20390	896	43946	23	0.0204
45	25.085		10093	525	52006	17	0.0101
			12758832	1750659			8.8231

000356

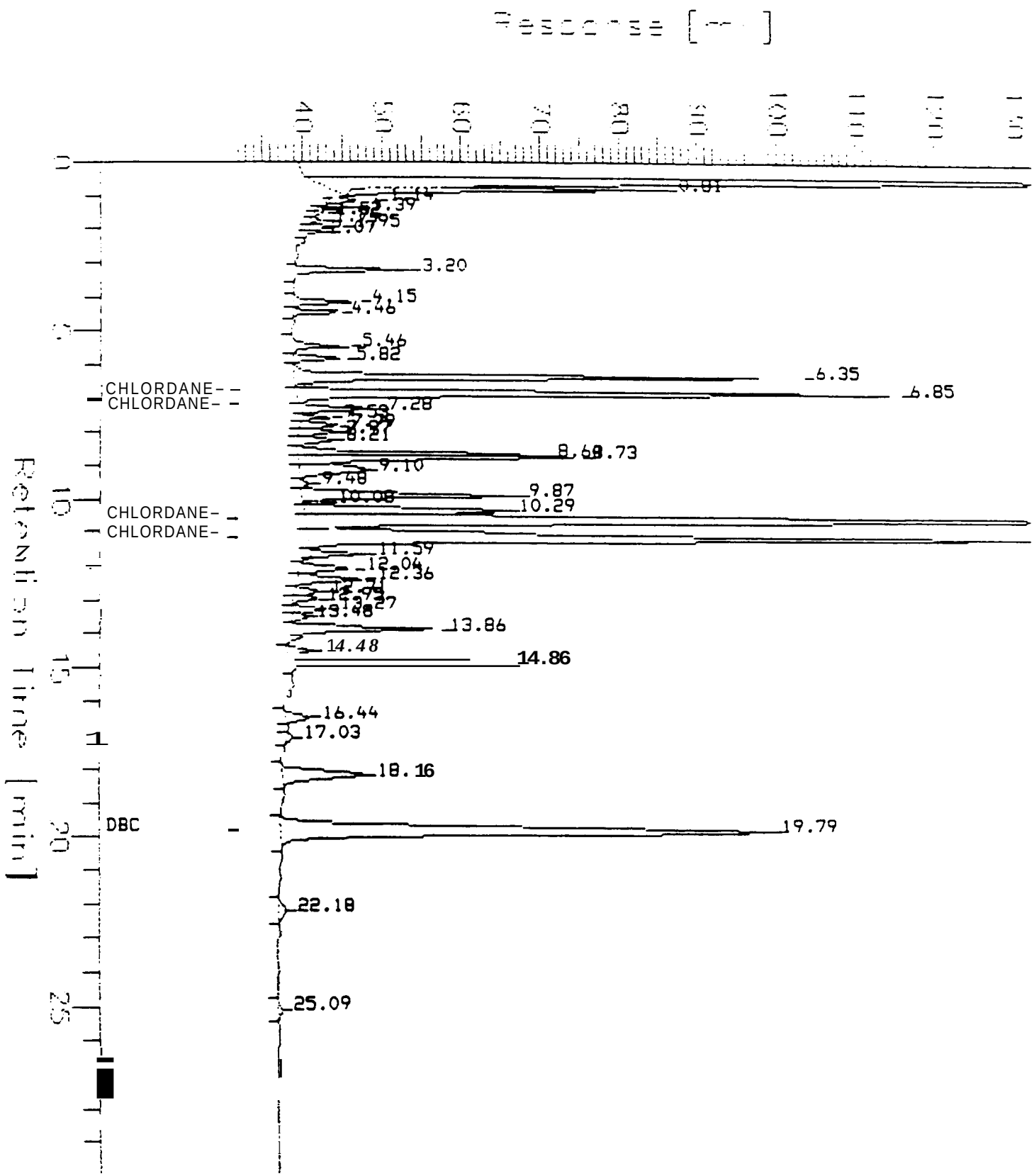
Group Report For : **Technical Chlordane**

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
15	6.848	CHLORDANE-A	566962	76656	613248	7	0.1250
16	7.280	CHLORDANE-B	67249	9801	78404	7	0.1250
28	10.560	CHLORDANE-C	1664991	135810	1086478	12	0.1250
29	11.158	CHLORDANE-D	1174077	113610	908881	10	0.1250
			3473279	335876			0.5000

Report Stored **in ASCII File:** C:\2700\DATA0\DP05016.TXO

3200790

000357


Response [--]
Retention Time [min]
CHLORDANE-
CHLORDANE-
CHLORDANE-
CHLORDANE-
DBC
3.20
4.46
4.15
5.46
5.82
6.35
6.85
7.28
8.21
8.68
8.73
9.10
9.48
9.87
10.29
11.59
12.04
12.36
13.48
13.86
14.48
14.86
16.44
17.03
18.16
19.79
22.18
25.09

Sample Name : HIGH CHLOR
Sample Number: 5-287-7
Operator : SJG

Time : 4/7/91 3:46 PM
Study

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

000358

Data Acquisition Time: 4/6/91 7:31 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP05017.raw
Result File : C:\2700\DATA0\DP05017.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\CHLO608D.smp
Sequence File : C:\2700\DP0591.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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TECHNICAL CHLORDANE ON DB608

==========
CONCENTRATION 1.0 ug/ml
==========

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.529		4983755	933507	187310	5	4.9838
2	1.307		265763	45971	172978	6	0.2659
3	1.141		34016	8507	250078	4	0.0340
4	1.387		9746	2630	369850	4	0.0098
5	1.519		9002	2013	223585	5	0.0090
6	1.734		6546	1411	215615	5	0.0066
7	1.947		23152	5936	256402	4	0.0232
8	2.074		10711	2620	244647	4	0.0107
9	3.203		107844	19488	180705	6	0.1078
10	4.153		73558	11621	157984	6	0.0736
11	4.462		55535	8400	151254	7	0.0555
13	5.457		89410	10333	115574	9	0.0894
14	5.919		61445	9366	152424	7	0.0614
15	6.346		643588	89025	138326	7	0.6436
16	6.852	CHLORDANE-A	777255	105598	844784	7	0.1250
17	7.280	CHLORDANE-B	104365	13991	111925	8	0.1250
18	7.536		52217	6122	117234	9	0.0522
19	7.792		56239	7336	130439	8	0.0562
20	7.970		59412	6946	116906	9	0.0594
21	8.224		67849	6960	102583	10	0.0679
22	8.726		686831	47926	69779	14	0.6868
23	9.101		168895	11479	67965	15	0.1689
24	9.489		13633	1799	131978	8	0.0136

3200797

26	10.081		28953	4503	155534	6	0.0290
27	10.300		383390	35938	93737	11	0.3834
28	10.559	CHLORDANE-C	2265328	187528	1500225	12	0.1250
29	11.161	CHLORDANE-D	1622330	154011	1232090	11	0.1250
30	11.586		95445	11165	116780	9	0.0954
31	12.042		90022	9929	111287	9	0.0900
32	12.362		108277	12120	111939	9	0.1083
33	12.722		60091	4652	77422	13	0.0601
34	13.950		37689	4643	123199	8	0.0377
35	13.363		51685	5458	134467	9	0.0517
36	13.472		33516	2811	119554	8	0.0335
37	13.855		335774	25313	137341	9	0.3358
38	14.462		37757	4192	110757	9	0.0378
39	14.859		74487	37741	190730	10	0.0745
40	15.506		5007	565	132857	8	0.0050
41	16.444		45646	4377	95893	10	0.0457
42	17.042		12541	1066	85030	12	0.0125
43	18.169		210353	14266	97621	15	0.2104
44	19.796	DDD	1444455	84835	948350	17	0.1000
45	22.161		27753	1234	44471	23	0.0278
46	25.093		13677	715	52239	19	0.0137
			15880699	2005522			10.2670

000359

Group **Report For : Technical Chlordane**

Peak #	Ret Time (min)	Component Name	Area (uv-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
16	6.352	CHLORDANE-A	777255	105598	844784	7	0.1250
17	7.230	CHLORDANE-B	104365	13991	111925	8	0.1250
28	10.559	CHLORDANE-C	2265328	187528	1500225	12	0.1250
29	11.161	CHLORDANE-D	1622330	154011	1232090	11	0.1250
			4769278	461128			0.5000

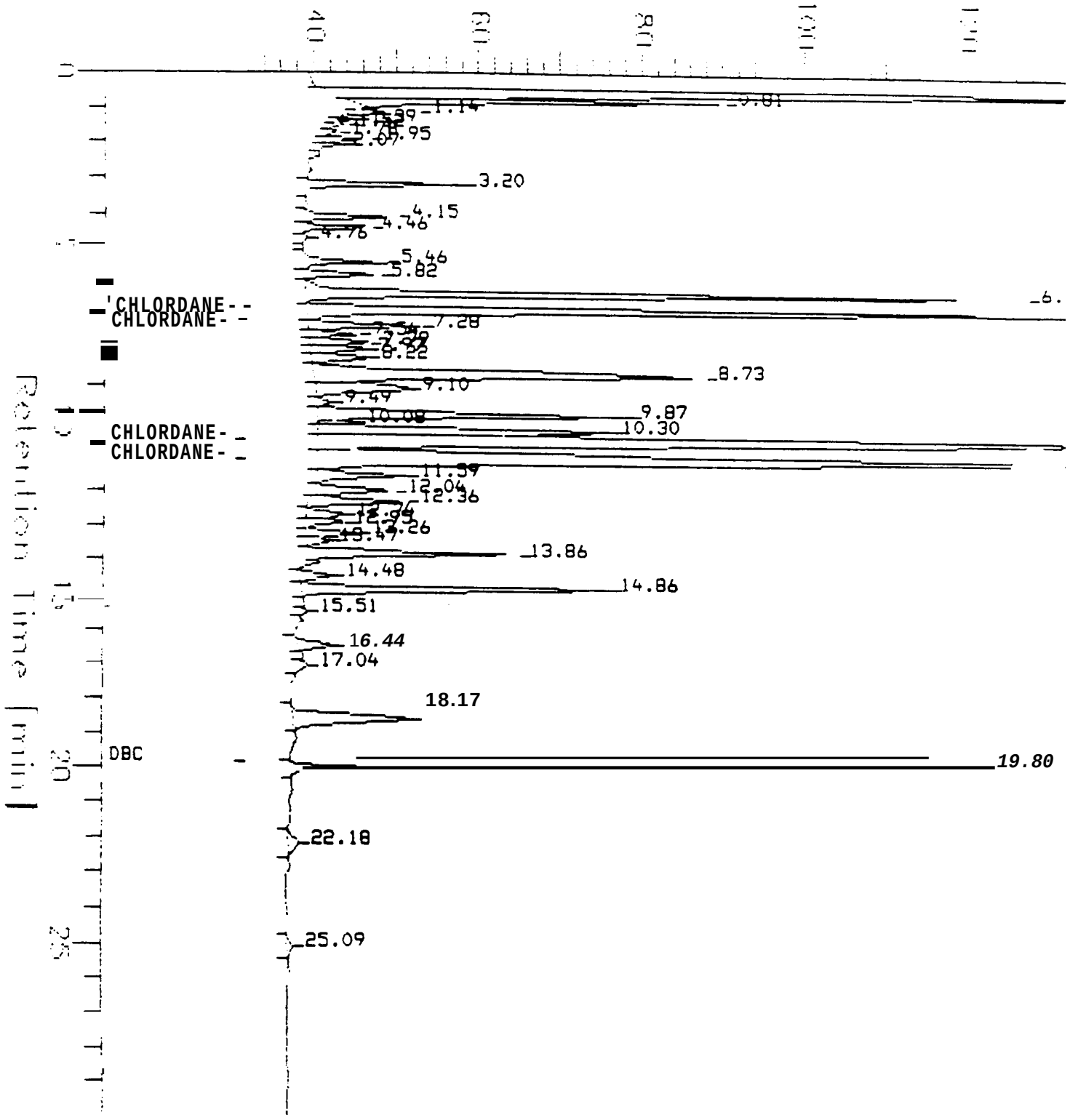
Report **Stored in ASCII File:** C:\2700\DATA0\DP05017.TXO

Chromatogram

000360

FileName : C:\2700\DATA0\DP05017.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 32 mv

Date : 4/7/91 3:46 PM
Low Point : 31.91 mv High Point : 131.91 mv
Plot Scale: 100 mv



3200790

Sequence File : C:\2700\DP1091.seq 000361
Created by : on : **12/18/89** 10:02 AM
Edited by : on : **4/9/91** 5:28 AM
Number Of Times Edited : 1

Sequence File **Header** Information:
Study **Name**
Segment **Interface** : YES
Number of Cycles : 48

Sequence Sample Descriptions

Line	Sample Name	Sample Number	Sample Amount	ISTD Amount	Inj. Volume	Dil. Factor	Mult	Divisor	Offset	Inst File	Inst. Devic
1	PCB 1260 .25 ug/ml	1-280-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
2	PCB 1260 .50 ug/ml	2-280-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
3	PCB 1260 1.0 ug/ml	3-280-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
4	PCB 1260 1.5 ug/ml	4-280-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
5	PCB 1260 2.0 ug/ml	5-280-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
	PCB 1221 .25 ug/ml	1-281-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
	PCB 1221 .50 ug/ml	2-281-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
	PCB 1221 1.0 ug/ml	3-281-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
	PCB 1221 1.5 ug/ml	4-281-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
10	PCB 1221 2.0 ug/ml	5-281-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
11	PCB 1232 .25 ug/ml	1-282-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
12	PCB 1232 .50 ug/ml	2-282-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
13	PCB 1232 1.0 ug/ml	3-282-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
14	PCB 1232 1.5 ug/ml	4-282-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
15	PCB 1232 2.0 ug/ml	5-282-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
16	PCB 1242 .25 ug/ml	1-283-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
17	PCB 1242 .50 ug/ml	2-283-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
18	PCB 1242 1.0 ug/ml	3-283-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
19	PCB 1242 1.5 ug/ml	4-283-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
20	PCB 1242 2.0 ug/ml	5-283-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
21	PCB 1248 .25 ug/ml	1-284-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
22	PCB 1248 .50 ug/ml	2-284-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
23	PCB 1248 1.0 ug/ml	3-284-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
24	PCB 1248 1.5 ug/ml	4-284-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
25	PCB 1248 2.0 ug/ml	5-284-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
26	PCB 1254 .25 ug/ml	1-285-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
27	PCB 1254 .50 ug/ml	2-285-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
28	PCB 1254 1.0 ug/ml	6-285-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
29	PCB 1254 1.5 ug/ml	4-285-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
30	PCB 1254 2.0 ug/ml	5-285-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
31	Q10316201	FB-01	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
32	Q10316202	EL-6	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
33	Q10316203	EL-7	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
34	Q10316204	EL-11	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
→ 35	Q10316205	EL-19	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
36	Q10316206 TBA	MW-17-01	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
37	Q10316207	MW-30	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
38	Q10316501	P32 W001	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
A1 39	Q10316502 TBA	P32 W066	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
A2 40	Q10316503	P32 WFB02	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
A3 41	PCB 1260 1.0 ug/ml	2-306-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
42	SLKMW 4-1-91	SLK152.1a5	1000.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:
A4 43	PCB 1260 1.0 ug/ml	3-306-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN7B	LPT1:

44	PCB 1221 1.0 ug/ml	6-281-7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	GEN7B	[illegible]
45	PCB 1232 1.0 ug/ml	6-282-7	1.000	1.000	1.000	1.000	1.000	1.000	[illegible]	[illegible]	[illegible]
46	PCB 1242 1.0 ug/ml	6-283-7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	GEN7B	[illegible]
47	PCB 1248 1.0 ug/ml	6-284-7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	GEN7B	[illegible]
48	PCB 1254 1.0 ug/ml	6-285-7	1.000	1.000	1.000	1.000	1.000	1.000	1.000	GEN7B	[illegible]

000362

Sequence Process Description - Channel 3

Line	Process File	Sample File	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Cal Mode	Level Name	Update RT	Norm. Factor
1	GEN7B	1660608D	L60608	DP10001	DP10001			R	PCB	Y	[illegible]
2	GEN7B	1660608D	ML60608	DP10002	DP10002			R	PCB	Y	[illegible]
3	GEN7B	1660608D	M60608	DP10003	DP10003			R	PCB	Y	[illegible]
4	GEN7B	1660608D	MH60608	DP10004	DP10004			R	PCB	Y	[illegible]
5	GEN7B	1660608D	H60608	DP10005	DP10005			R	PCB	Y	[illegible]
6	GEN7B	1221608D	L21608	DP10006	DP10006			R	PCB	Y	[illegible]
7	GEN7B	1221608D	ML21608	DP10007	DP10007			R	PCB		[illegible]
8	GEN7B	1221608D	M21608	DP10008	DP10008			R	PCB	Y	[illegible]
9	GEN7B	1221608D	MH21608	DP10009	DP10009			R	PCB	Y	[illegible]
10	GEN7B	1221608D	H21608	DP10010	DP10010			R	PCB	Y	100.000
11	GEN7B	1232608D	L32608	DP10011	DP10011			R	PCB	Y	100.000
12	GEN7B	1232608D	ML32608	DP10012	DP10012			R	PCB	Y	[illegible]
13	GEN7B	1232608D	M32608	DP10013	DP10013			R	PCB	Y	100.000
14	GEN7B	1232608D	MH32608	DP10014	DP10014			R	PCB	Y	100.000
15	GEN7B	1232608D	H32608	DP10015	DP10015			R	PCB	Y	loo. 0.30
16	GEN7B	1242608D	L42608	DP10016	DP10016			R	MED	Y	100.000
17	GEN7B	1242608D	ML42608	DP10017	DP10017			R	MED	Y	100.000
18	GEN7B	1242608D	M42608	DP10018	DP10018			R	MED	Y	[illegible]
19	GEN7B	1242608D	MH42608	DP10019	DP10019			R	MED	Y	[illegible]
20	GEN7B	1242608D	H42608	DP10020	DP10020			R	MED		[illegible]
21	GEN7B	1248608D	L48608	DP10021	DP10021			R	MED	Y	[illegible]
22	GEN7B	1248608D	ML48608	DP10022	DP10022			R	MED		[illegible]
23	GEN7B	1248608D	M48608	DP10023	DP10023			R	MED	Y	[illegible]
24	GEN7B	1248608D	MH48608	DP10024	DP10024			R	MED		[illegible]
25	GEN7B	1248608D	H48608	DP10025	DP10025			R	MED	Y	[illegible]
26	GEN7B	1254608D	L54608	DP10026	DP10026			R	PCB	Y	[illegible]
27	GEN7B	1254608D	ML54608	DP10027	DP10027			R	PCB	Y	100.000
28	GEN7B	1254608D	M54608	DP10028	DP10028			R	PCB		[illegible]
29	GEN7B	1254608D	MH54608	DP10029	DP10029			R	PCB	Y	[illegible]
30	GEN7B	1254608D	H54608	DP10030	DP10030			R	PCB	Y	[illegible]
31	GEN7B	DEFAULT	SAMH20	DP10031	DP10031			N		N	100.000
32	GEN7B	DEFAULT	SAMH20	DP10032	DP10032			N		N	[illegible]
33	GEN7B	DEFAULT	SAMH20	DP10033	DP10033			N		N	100.000
34	GEN7B	DEFAULT	SAMH20	DP10034	DP10034			N		N	[illegible]
35	GEN7B	DEFAULT	SAMH20	DP10035	DP10035			N		N	100.000
36	GEN7B	DEFAULT	SAMH20	DP10036	DP10036			N		N	[illegible]
37	GEN7B	DEFAULT	SAMH20	DP10037	DP10037			N		N	[illegible]
38	GEN7B	DEFAULT	SAMH20	DP10038	DP10038			N		N	[illegible]
39	GEN7B	DEFAULT	SAMH20	DP10039	DP10039			N		N	[illegible]
40	GEN7B	DEFAULT	SAMH20	DP10040	DP10040			N		N	[illegible]
41	GEN7B	1660608D	M60608	DP10041	DP10041			R	PCB	Y	100.000
42	GEN7B	DEFAULT	SAMH20	DP10042	DP10042			N		N	[illegible]
43	GEN7B	1660608D	M60608	DP10043	DP10043			R	PCB	Y	[illegible]
44	GEN7B	1221608D	M21608	DP10044	DP10044			R	PCB	Y	[illegible]
45	GEN7B	1232608D	M32608	DP10045	DP10045			R	PCB	Y	[illegible]
46	GEN7B	1242608D	M42608	DP10046	DP10046			R	MED	Y	[illegible]
47	GEN7B	1248608D	M48608	DP10047	DP10047			R	MED	Y	[illegible]

3200793

Sample Name : PCB 1660 .25 ug/ml Time : 4/9/91 10:33 AM
Sample Number: 1-280-7 Study :
Operator : LWM,RA

000364

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 10:02 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10001.raw
Result File : C:\2700\DATA0\DP10001.rst
instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1016 AND AROCLOR 1260 ON DB608

CONCENTRATION .25 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
	1.002		66339104	929452	14011	71	66.3391
[illegible]	3.768		35395	1633	46129	22	0.0354
3	3.962		17805	2868	161052	6	0.0178
4	4.375		15773	3054	193595	[illegible]	0.0158
[illegible]	4.557	Aroclor-1016a	77775	14369	14369	5	1.0000
	5.583		10798	1634	151356	7	0.0108
7	5.816		159650	23834	149286	7	0.1597
8	6.170	Aroclor-[illegible]	14684	2114	2114	[illegible]	1.3000
9	6.497	[illegible]	23356	4690	200792	[illegible]	0.0234
10	6.749	[illegible]	48785	8823	180844	b	0.0488
11	6.992	[illegible]	302501	41633	137630	7	0.3025
12	7.541	Aroclor-1016c	115783	16828	16828	7	1.0000
13	7.994		74960	11926	159104	b	0.0750
14	8.106		39659	7830	197425	5	9.9397
15	8.276		49645	6516	131215	8	0.0496
16	8.831		8919	1248	139887	7	0.0089
17	9.228	Aroclor-1016d	80398	10246	10246	8	1.0000
18	9.653		67347	8106	120369	3	0.0674
19	9.835		7554	1763	233331	4	0.0076
20	10.166		30901	4984	161294	[illegible]	0.0309
21	10.372		43519	6574	151057	7	0.0435
22	10.683		88929	12236	137592	7	0.0889
23	10.933	Ar xlor-12601	90012	12384	12384	7	1.0000

3200000

000365

24	11.880		9214	1255	136184	7	0.0092
25	12.183		5509	742	134652	7	0.0055
26	12.418		21484	3036	141297	7	0.0215
27	12.809		115764	16112	139182	7	0.1158
28	13.104		45864	5625	122635	8	0.0459
29	13.497	Aroclor-1260b	185273	20862	20862	9	1.0000
30	13.876	Aroclor-1260c	208892	24888	24888	8	1.0000
31	14.192		8921	1195	132850	8	0.0089
32	14.749	Aroclor-1260d	93582	10168	10168	9	1.0000
33	15.256		100858	9966	98815	10	0.1009
34	15.624		50250	5749	114417	9	0.0503
35	15.910	Aroclor-1260e	167221	15882	15882	11	1.0000
36	16.135		99803	10007	107829	9	0.0928
37	16.485		73813	6537	98567	11	0.0738
38	17.261		25728	2076	77679	13	0.0257
39	18.332		187525	10644	56760	18	0.1875
40	18.885		111871	6496	58294	17	0.1113
41	19.414		359580	23746	65039	15	0.3596
42	19.845	DBC	207584	12601	126012	17	0.1000
43	21.550		5910	414	70057	14	0.0059
44	22.639		116433	5885	50542	20	0.1164
45	23.446		244681	9617	39304	25	0.2447
46	24.572		5442	304	55935	18	0.0054
47	28.523		35394	1453	41063	24	0.0354
48	29.381		94650	3593	37965	26	0.0947
			70317904	1343577			78.1767

Group Report For : 1016

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.557	Aroclor-1016a	77775	14369	14369	5	1.0000
8	6.170	Aroclor-1016b	14684	2114	2114	7	1.0000
12	7.541	Aroclor-1016c	115783	16828	16828	7	1.0000
17	9.228	Aroclor-1016d	80398	10246	10246	8	1.0000
			288639	43558			4.0000

Group Report For : AROCLOR 1260

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
23	10.933	Aroclor-1260a	90012	12384	12384	7	1.0000
29	13.497	Aroclor-1260b	185273	20862	20862	9	1.0000
30	13.876	Aroclor-1260c	208892	24888	24888	8	1.0000
32	14.749	Aroclor-1260d	93582	10168	10168	9	1.0000
35	15.910	Aroclor-1260e	167221	15882	15882	11	1.0000
			744960	84184			5.0000

Report Stored in ASCII File: C:\2700\DATA0\DP10001.TXO

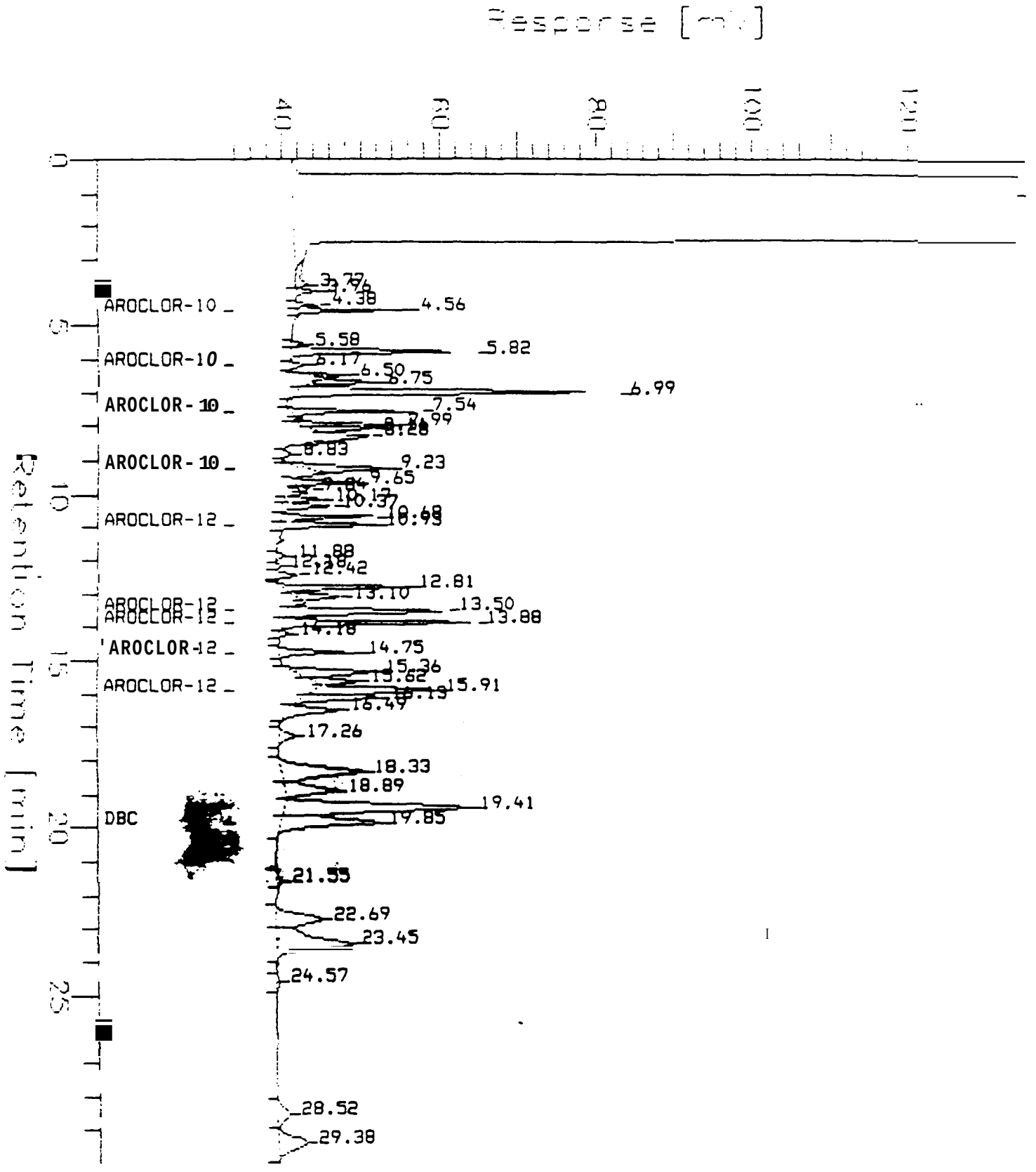
Chromatogram

000366

FileName : C:\2700\DATA0\DP10001.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 34 mV

Date : 4/9/91 10:33 AM
Low Point : 33.90 mV
Plot Scale: 100 mV



3200801

Sample Name : PCB 1660 .50 ug/ml Time : 4/9/91 11:08 AM
Sample Number: 2-280-7 Study :
Operator : LWM,RA

000367

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 10:37 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10002.raw
Result File : C:\2700\DATA0\DP10002.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1016 CSND CSROCLOR 1260 ON DB608

CONCENTRATION .50 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.971		63468192	928998	14637	68	63.4682
	3.770		17457	2465	141226	7	0.0175
	3.965		28161	5187	184188	5	0.0282
4	4.377		31234	5326	189716	5	0.0312
5	4.558	Aroclor-1016a	144433	26457	26459	6	1.0000
6	5.536		21553	3241	150361	7	0.0216
7	5.316		290338	42760	147276	7	0.2903
8	5.174	Aroclor-1[illegible]	29363	4158	4158	7	1.0000
9	5.501		43996	8903	202350	5	0.0440
10	6.752		90388	16305	180386	6	0.0904
11	6.993		544762	74132	136081	7	0.5448
12	7.542	Aroclor-1016c	234719	31517	31517	7	1.0000
13	7.772		12962	2608	201217	5	0.0130
14	7.996		137540	22117	163806	6	0.1375
15	8.108		72691	14134	194434	5	0.0727
16	8.281		91918	13002	130572	8	0.0919
17	8.832		17585	2453	139519	7	0.0176
18	9.231	Aroclor-1016d	145829	18403	18403	8	1.0000
19	9.658		146938	15624	113133	9	0.1469
20	9.838		40104	6395	159455	6	0.0401
21	9.963		30133	5522	193260	6	3.0301
22	10.165		59559	9581	160869	6	5.0596
23	10.375		85385	12618	147779	7	3,0654

000368

24	10.686		163460	22241	136063	7	0.1635
25	10.935	Aroclor-1260a	168401	22615	22615	7	1.0000
26	11.385		8876	1509	179009	6	0.0089
27	11.881		18102	2439	134719	7	0.0181
28	12.186		10620	1468	138261		0.0106
29	12.423		45286	6019	132901	8	0.0453
30	12.812		252129	31598	124967	8	0.2521
31	13.107		166105	15331	98339	11	0.1661
32	13.266		48929	7551	154527		0.0489
33	13.498	Aroclor-1260b	379567	39624	39624	10	1.0000
34	13.878	Aroclor-1260c	399155	45497	45497		1.0000
35	14.181		20761	3633	126811	6	0.0208
36	14.750	Aroclor-1260d	178577	19313	19313		1.0000
37	15.357		136960	18307	87920	10	0.1370
38	15.629		91296	13405	113970	7	0.0913
39	15.911	Aroclor-1260e	302355	28878	28878	11	1.0000
40	16.129		171497	13157	105872	9	0.1715
41	16.466		140326	12097	36205	12	0.1403
42	17.370		57097	4192	73426	14	0.0571
43	18.232		353622	19996	56545	18	0.3536
44	18.876		212119	12211	57565	17	0.2121
45	19.413		662764	43506	65643	15	0.6628
46	19.845	DBC	397019	24067	249666	17	0.1000
47	21.544		11339	600	79215	14	0.0114
48	22.286		226230	11335	50105	20	0.2262
49	23.459		477703	18442	32605	26	0.4777
50	24.585		14451	700	48420	21	0.0145
51	28.518		71403	2874	40245	25	0.0714
52	29.385		190232	6969	36636	27	0.1902
			71211656	1723188			77.9323

Group Report For : 1016

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.558	Aroclor-1016a	144433	26459	26459	6	1.0000
8	6.174	Aroclor-1016b	29363	4158	4158	7	1.0000
12	7.542	Aroclor-1016c	234719	31517	31517	7	1.0000
18	9.231	Aroclor-1016d	145829	18403	18403	8	1.0000
			554344	80538			4.0000

Group Report [redacted] AROCLOR 1260

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
25	10.935	Aroclor-1260a	168401	22615	22615	7	1.0000
33	13.498	Aroclor-1260b	379567	39624	39624	10	1.0000
34	13.878	Aroclor-1260c	399155	45497	45497	9	1.0000
36	14.750	Aroclor-1260d	178577	19313	19313	9	1.0000
39	15.911	Aroclor-1260e	302355	28878	28878	11	1.0000
			1428055	155927			5.0000

3200802

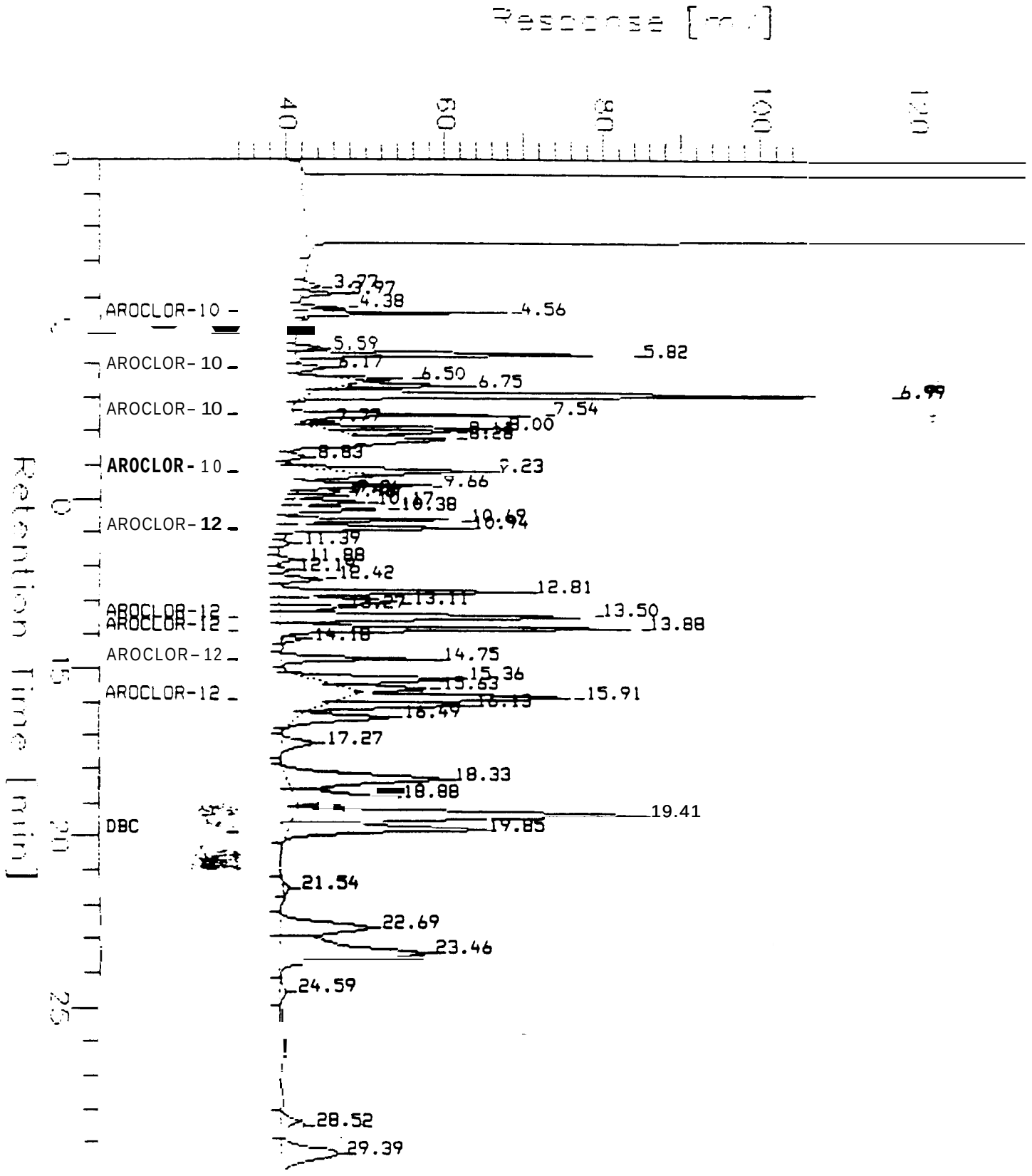
Chromatogram

000369

FileName : C:\2700\DATA0\DP10002.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 34 mV

Date : 4/9/91 11:08 AM
Low Point : 33.78 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 133.78 mV



Sample Name : PCB 1660 1.0 ug/ml Time : 4/9/91 [illegible] AM
Sample Number: 2-306-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 11:12 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10003.raw
Result File : C:\2700\DATA0\DP10003.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1016 AND AROCLOR 1260 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
	3.671		31625316	930607	23241	34	31.8253
[illegible]	3.768		34239	4771	139342	7	0.0342
3	3.963		54910	10029	182649	b	0.0549
4	4.375		64722	11674	180366	5	0.0647
e	4.557	Aroclor-1016a	271945	48238	48238	6	1.0000
	4.733		14117	2839	291136	5	0.3141
7	5.585		43361	6336	146129	I	0.0434
	5.916		517413	74693	144358	[illegible]	0.5174
	6.173	Aroclor-101[illegible]	60938	927'	6277	I	1.0000
[illegible]	6.500		185041	27296	147514	1	0.1850
11	6.609		93953	18698	199017	5	0.0940
12	6.750		280924	30152	139369	I	0.2809
13	6.993		1025262	131645	128401	8	1.0253
14	7.543	Aroclor-1016c	426477	55770	55770	3	1.0000
15	7.775		24570	4865	198011	5	0.0246
16	7.995		263368	40535	153910	I	0.2634
17	8.109		117817	24682	209490	5	0.1178
18	8.279		157401	20268	128767	8	3.1574
19	8.831		34493	4712	136608	7	0.0345
20	9.232	Aroclor-1016d	407801	43817	43817	9	1.0000
21	9.363		94007	17952	190858	[illegible]	0.0940
22	9.654		270332	30526	112922	3	0.2703
23	9.836		75411	12104	160511	b	0.0754

3200803

000371

24	9.762		56304	10251	132065	6	0.0563
25	10.169		109546	17423	159049	6	0.1096
26	10.375		158929	22947	144387	7	0.1589
27	10.686		294946	39658	124457	7	0.2950
28	10.935	Aroclor-1260a	300512	39945	39945	8	1.0000
29	11.386		18839	3061	182467	6	0.0188
30	11.354		35431	4789	135166	7	0.0354
31	12.138		20148	2335	14[illegible]862	7	0.0202
32	13.424		85509	11373	133012	8	0.0855
33	13.813		455904	56608	124166	8	0.4559
34	13.109		303845	37534	39781	11	0.3039
35	13.267		93630	14134	150876	7	0.0937
36	13.498	Aroclor-1260b	674100	68472	68472	10	1.0000
37	13.878	Aroclor-1260c	704664	77991	77991	9	1.0000
38	14.185		40364	5041	124883	8	0.0404
39	14.755	Aroclor-1260d	333502	35321	35321	9	1.0000
40	15.362		336730	31641	93965	11	0.3367
41	15.631		164330	17028	115791	9	0.1643
42	15.914	Aroclor-1260e	541052	50580	50580	11	1.0000
43	16.131		298781	32189	107735	9	0.2988
44	16.454		260461	22321	35700	12	0.2605
45	17.270		100789	7896	78339	13	0.1008
46	18.336		653933	36609	55982	18	0.6539
47	18.892		396133	22499	56798	18	0.3961
48	19.424		1216485	79169	65080	15	1.2165
49	19.861	DBC	768071	46065	460653	17	0.1000
50	21.564		23242	1626	67938	14	0.0232
51	22.697		439494	21378	48642	21	0.4395
52	23.469		911952	34684	38032	26	0.9120
53	24.605		30478	1404	46076	22	0.0305
54	26.294		13110	578	44101	23	0.0131
55	27.799		7717	367	47616	21	0.0077
56	28.543		147769	5735	38812	26	0.1478
57	29.392		373672	13596	36385	28	0.3737
			46720204	2434277			51.3252

Group **Report** For : **1016**

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
5	4.557	Aroclor-10[illegible]	[illegible]945	48238	48238	6	1.0000
9	6.173	Aroclor-[illegible]	60938	8277	8277	7	1.0000
14	7.543	Aroclor-[illegible]	426477	55770	55770	8	1.0000
20	9.232	Aroclor-[illegible]	407801	43817	43817	9	1.0000
			1173160	156102			4.0000

Group **Report For** : **AROCLOR 1260**

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
28	10.935	Aroclor-1260a	300512	39945	39945	8	1.0000
36	13.498	Aroclor-1260b	674100	68472	68472	10	1.0000
37	13.878	Aroclor-1260c	704664	77991	77991	9	1.0000

39	14.756	Aroclor-1260d	333502	35321	35321	9	1.0000
42	15.914	Aroclor-1260e	541052	50580	50580	11	1.0000
			2553831	272309			5.0000

000372

Report Stored in ASCII File: C:\2700\DATA0\DP10003.TXO

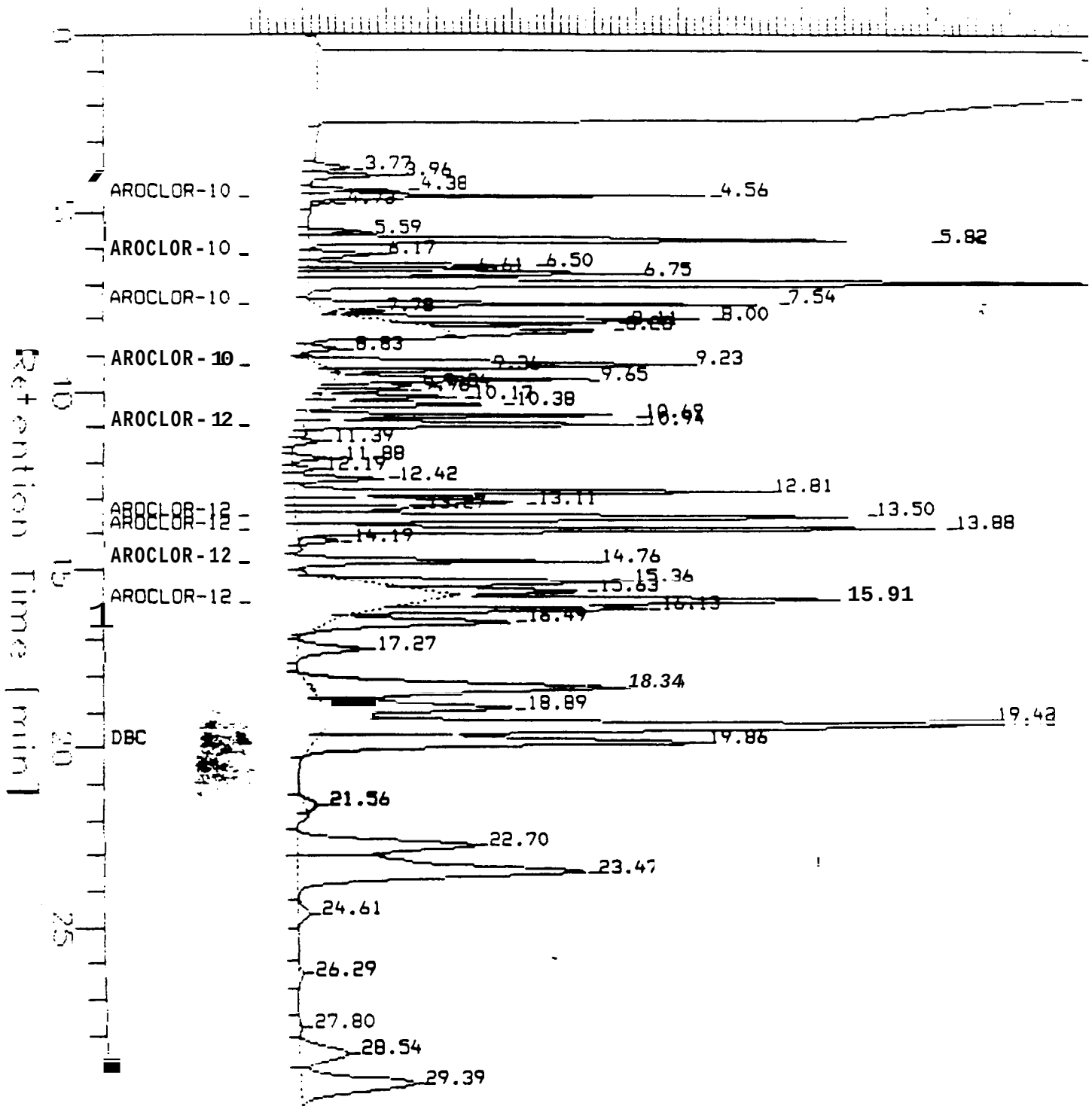
3200804

Chromatogram

000373

FileName : C:\2700\DATA0\DP10003.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 34 mV

Date : 4/9/91 11:43 AM
Low Point : 33.59 mV
Plot Scale: 100 mV



Sample Number: 4-280-7 Study
Operator : LWM,RA

000374

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: *4/9/91* 11:47 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10004.raw
Result File : C:\2700\DATA0\DP10004A.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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FIROCLOR 1016 FIND FIROCLOR 1260 ON DB608

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CONCENTRATION 1.5 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	1.009		69398144	929143	13389	75	69.3982
2	2.773		47907	5615	138087	7	0.0479
3	3.967		78449	14263	181908	6	0.0785
4	4.330		90953	16480	181190	6	0.0910
5	4.561	Aroclor-1016a	386818	66238	66238	6	1.0000
6	4.738		20821	4125	138097	5	0.0208
7	5.587		61088	9989	147154	7	0.0611
8	5.820		709997	102174	143907	7	0.7100
9	6.177	Aroclor-1016b	87035	11763	11763	7	1.0000
10	6.502		266759	37785	141645	7	0.2668
11	6.614		131390	26003	197909	5	0.1314
12	6.755		383857	54499	141979	7	0.3839
13	6.996		1422310	184182	129495	8	1.4223
14	7.546	Aroclor-1016c	593580	77533	77538	8	1.0000
15	7.776		35052		193660	5	0.0351
16	7.999		362692	55915	154165	7	0.3627
17	8.111		165344	33237	201018	5	0.1653
18	8.282		211161	26879	127291	8	0.2112
19	8.335		49745	6727	135230	7	0.0498
20	9.233	Aroclor-1016d	580537	60938	60938	10	1.0000
21	9.366		123659	25359	205074	5	0.1237
22	9.659		381559	43260	113377	9	0.3816
23	9.839		107761	17142	159072	6	0.1078

3200865

27	10.689		412651	55320	134060	8	0.4127
28	10.936	Aroclor-1260a	428385	55669	55669	9	1.0000
29	11.190		13044	2200	168685	6	0.0130
30	11.387		30613	4710	153866	7	0.0306
31	11.884		52733	7023	133269	8	0.0527
32	12.189		32147	4384	136372	7	0.0322
33	12.426		132348	17028	129159	9	0.1324
34	12.812		660882	79601	120947	8	0.6609
35	13.107		441085	39517	39591	11	0.4411
36	13.267		140129	20916	149260	7	0.1401
37	13.501	Aroclor-1260b	955955	96242	96242	10	1.0000
38	13.381	Aroclor-1260c	999240	109586	109586	9	1.0000
39	14.187		69260	8100	113957	8	0.0693
40	14.425		10425	1443	138384	7	0.0104
41	14.754	Aroclor-1260d	482199	51296	51296	9	1.0000
42	15.361		463014	44995	96139	10	0.4680
43	15.629		336313	26939	113755	9	0.2368
44	15.922	Aroclor-1260e	770941	71245	71245	11	1.0000
45	16.131		417907	45122	107971	9	0.4179
46	16.490		374009	32012	85592	12	0.3740
47	17.269		144777	11645	80433	12	0.1448
48	18.337		937944	52004	55444	18	0.9379
49	18.891		565056	31762	56211	18	0.5651
50	19.414		1729132	110786	64070	16	1.7291
51	19.347	DBC	1137815	68869	688688	17	0.1000
52	21.560		34995	2390	68282	15	0.0350
53	22.701		631731	31031	49200	20	0.6317
54	23.470		1324387	49243	37181	27	1.3244
55	24.600		46418	2107	45400	22	0.0464
56	26.310		20142	891	43719	23	0.0201
57	27.724		13054	564	44708	22	0.0131
58	28.538		219973	8498	38631	26	0.2200
59	29.393		548890	19880	36219	23	0.5489
			30441720	3049985			93.3189

Group Report For : 1016

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.561	Aroclor-1016a	386818	66238	66238	6	1.0000
9	6.177	Aroclor-1016b	87335	11763	11763	7	1.0000
14	7.546	Aroclor-1016c	593580	77538	77538	3	1.0000
20	9.233	Aroclor-1016d	580537	60938	60938	10	1.0000
			1648270	216478			4.0000

Group Report For : AROCLOR 1260

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
28	10.936	Aroclor-1260a	428385	55669	55669	9	1.0000

41	14.754	Aroclor-1260d	482199	51296	51296	9	1.0000
44	15.922	Aroclor-1260e	770941	71245	71245	11	1.0000
			3636719	384037			5.0000

000376

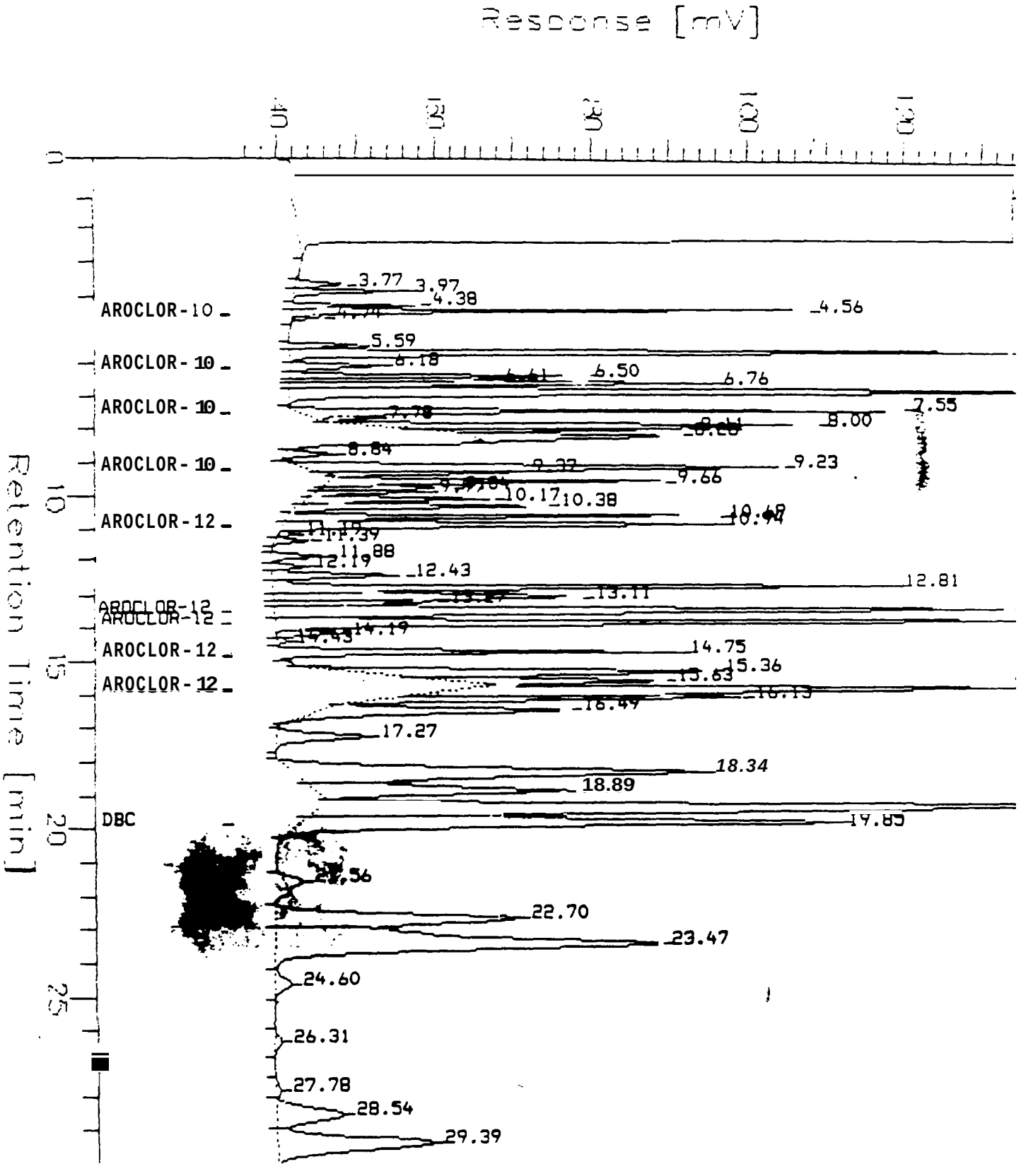
Report Stored in ASCII File: C:\2700\DATA0\DP10004.TXO

3200800

FileName : C:\2700\DATA0\DP10004.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 34 mV

Date : 4/9/91 3:49 PM
Low Point : 34.04 mV
Plot Scale: 100 mV

High Point : 134.04 mV



Sample Name : PCB 1660 2.0 ug/ml Time : 4/9/91 12:53 PM
Sample Number : 5-280-7 Study :
Operator : LHM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 12:22 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10005.raw
Result File : C:\2700\DATA0\DP10005.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1016 AND AROCLOR 1260 ON DB608

CONCENTRATION 2.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	1.383		71459040	929049	13001	77	71.4590
2	3.772		61855	8461	136782	7	0.0619
3	3.967		101036	18281	180937	6	0.1010
4	4.380		116256	20924	179979	5	0.1163
[illegible]	4.560	Aroclor-1016a	[illegible]	82598	82598	6	1.0000
5	4.736		[illegible]	5364	197381	5	0.0272
7	5.588		[illegible]	11491	145802	7	0.0788
8	5.820		[illegible]	125752	142566	7	3.8821
9	6.177	[illegible]	[illegible]	15090	15090	8	1.0000
10	6.503		[illegible]	47954	141786	7	0.3382
11	6.613		[illegible]	32777	198092	5	0.1655
12	6.753		479761	67559	140819	7	0.4798
13	6.996		1767926	228740	129384	8	1.7679
14	7.546	Aroclor-1016c	740876	96420	96420	8	1.0000
15	7.776		44664	8595	192436	5	0.0443
16	8.000		455708	70259	154176	7	0.4557
17	8.111		205464	41326	201134	5	0.2055
18	8.283		264844	33859	127846	8	0.2648
19	8.836		53825	8732	136809	7	0.0638
20	9.232	Aroclor-1016d	320538	75355	75355	10	1.0000
21	9.365		154779	31416	202975	5	0.1548
22	9.662		478180	53587	112064	9	0.4782
23	9.839		136343	21733	159400	6	0.1363

24	9.965		103075	18451	179004	6	0.1031
25	10.173		194678	30328	155785	6	0.1947
26	10.378		280942	40686	144821	1	0.2809
27	10.669		511604	68104	133119	8	0.5116
28	10.937	Aroclor-12[redacted]	530098	67256	67256	3	1.0000
29	11.199		17097	3363	167450	6	0.0171
30	11.389		39938	5036	152370		0.0399
31	11.834		67573	3941	132321	8	0.0676
32	12.138		42495	5673	133623	3	0.0425
33	12.427		172355	21767	126290	8	0.1724
34	12.815		330539	37903	117372		0.3306
35	13.107		552322	49131	88954	11	0.5523
36	13.271		176472	26321	149148		0.1765
37	13.502	Aroclor-1260b	1182148	118816	118816	IC	1.0000
38	13.992	Aroclor-1260c	1233620	135229	135229		1.0000
39	14.188		88545	10257	115946	9	0.0886
40	14.425		13729	1360	135487	[illegible]	0.0137
41	14.753	Aroclor-1260d	607370	63722	63722	15	1.0000
42	15.362		578873	56205	97093	10	0.5789
43	15.626		301484	33537	111405	9	0.3015
44	15.911	Aroclor-1260e	847547	38964	86964	11	1.0000
45	16.130		518017	55380	106908	9	0.5180
46	16.476		469866	39726	94546	12	0.4699
47	17.275		191081	14817	77544	13	0.1911
48	18.338		1183389	64547	54544	18	1.1834
49	18.393		715101	39728	55556	18	0.7151
50	19.418		2163164	137396	63747	I5	2.1632
51	19.855	DBC	1478179	39112	891115	17	0.1000
52	21.553		45055	3141	69720	14	0.0451
53	22.702		809900	39133	48319	21	0.8099
54	23.461		1675223	62923	37561	27	1.6752
55	24.591		60250	2755	45725	22	0.0603
56	26.313		35622	1138	44402	23	0.0356
57	27.795		15688	731	46607	22	0.0157
58	28.546		282209	11089	39293	25	0.2822
59	29.393		703955	25406	36091	20	0.7040
			98147992	3577007			99.2117

Group Report For : **1016**

Peak #	Ret Time [min]	Co[redacted]	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.560	Aroclor-[redacted]	[redacted]457	82598	82598	6	1.0000
9	6.177	Aroclor-[redacted]	112513	15090	15090	8	1.0000
14	7.546	Aroclor-1016c	740876	96420	96420	8	1.0000
30	9.232	Aroclor-1016d	720538	75355	75355	10	1.0000
			2057383	269463			4.0000

Group Report For : **AROCLOR 1260**

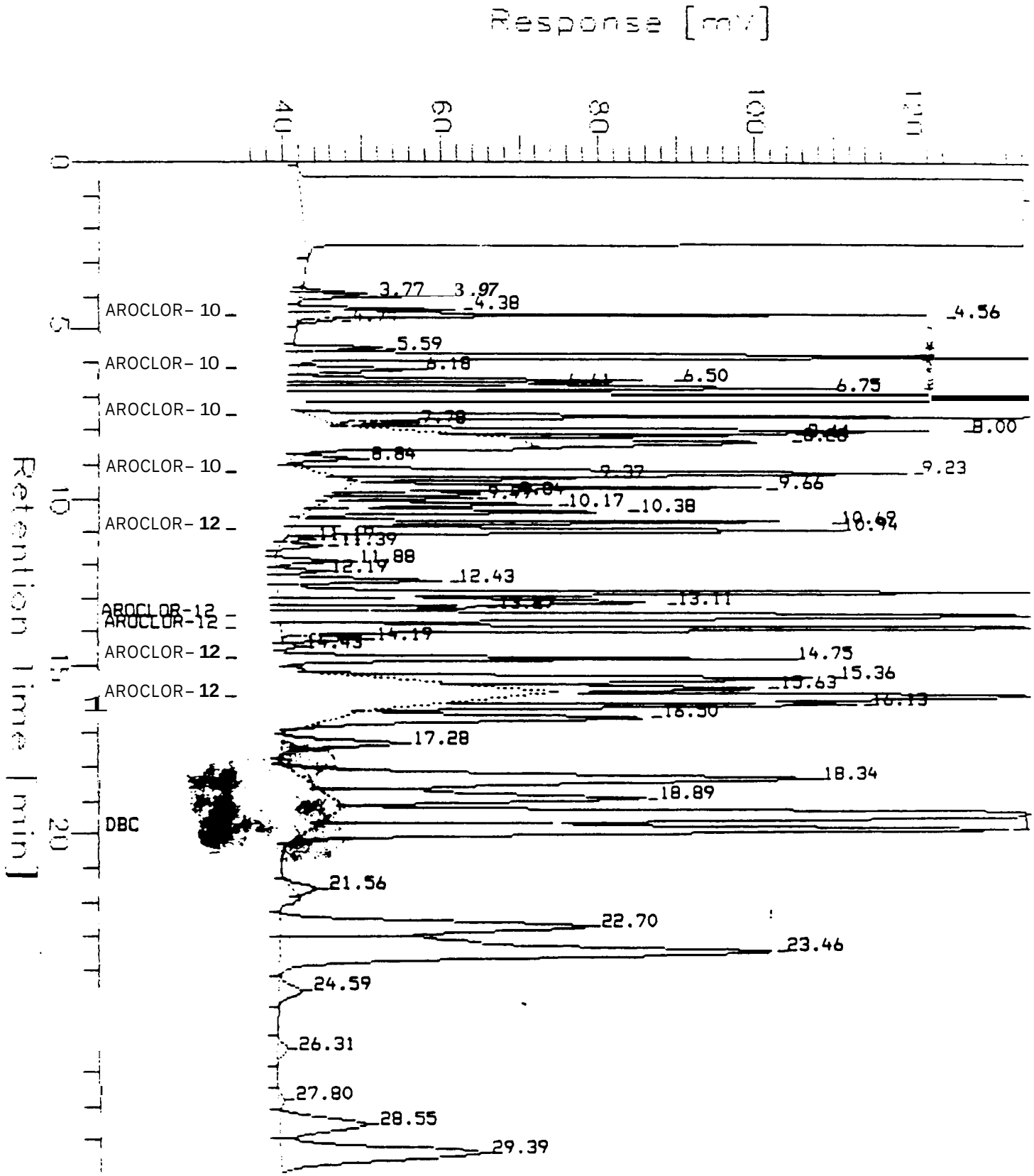
Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
28	10.937	Aroclor-1260a	530098	67256	67256	8	1.0000

37	13.502	Aroclor-1260b	1182148	118816	118816	10	1.0000
38	13.882	Aroclor-1260c	1233620	135229	135229	9	1.0000
41	14.753	Aroclor-1260d	607370	63722	63722	10	1.0000
44	15.911	Aroclor-1260e	947547	38964	38964	11	1.0000
			4500783	475987			5.0000

Report Stored in ASCII File: C:\2700\DATA0\DP10005.TXO

Chromatogram

FileName : C:\E700\DATA0\DP10005.raw
Start Time : 0.00 min
Scale Factor: -1
End Time : 30.00 min
Plot Offset: 34 mV
Date : 4/9/91 12:54 PM
Low Point : 34.14 mV
Plot Scale: 100 mV
Page 1 of 1
High Point : 134.14 mV



Sample Name : PCB 1221 .25 ug/ml Time : 4/9/91 1:29 PM
Sample Number: 1-281-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 12:57 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10006.raw
Result File : C:\2700\DATA0\DP10006.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1221608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1221 ON DB608

CONCENTRATION .25 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.604		18953006	932211	49185	20	18.9530
2	2.370		906746	33906	37393	27	0.9068
3	2.978		7779	1682	216213	5	0.0078
4	3.767		17776	2051	115373	0	0.0178
5	3.962		50171	0184	183050	6	0.0502
6	4.378	Aroclor-1221	34931	6422	19284	5	0.3330
7	4.560	[redacted]	110636	19751	178519	5	0.1106
8	4.735	Aroclor-[redacted]	16338	3020	9069	6	3.3330
9	5.525	[redacted]	9629	1boo	166171	6	0.0096
10	5.772		85153	3273	130102	8	0.0252
11	6.997		15713	2292	145837	7	0.0157
12	7.548		7563	372	123486	3	0.0076
13	7.997		5928	725	122206	8	0.0059
14	8.282		7075	1043	147378	7	0.0071
15	12.792		170848	5062	29631	34	0.1709
16	17.403		5639	453	80345	12	0.0056
17	18.217		31761	2390	658H	15	0.0318
18	18.355	DBC	299471	12328	123275	17	0.1000
			20586164	1038062			21.0914

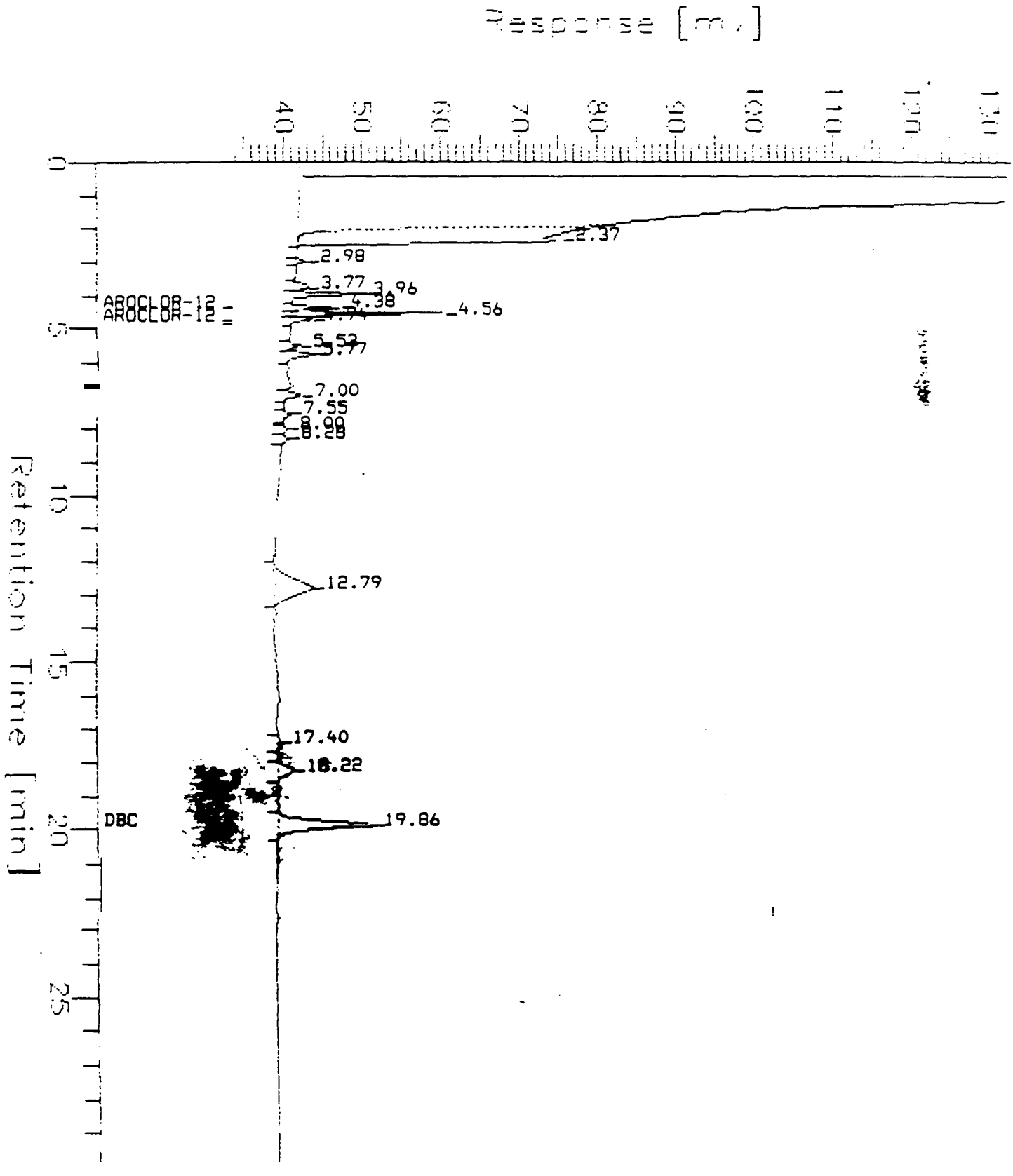
Group Report For : 1221

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.378	Aroclor-1221A	34931	6422	1[illegible]294	5	0.3330
8	4.735	Aroclor-12[illegible]	16338	3020	9068	5	0.3330
			51269	9442			0.6660

Report Stored in ASCII File: C:\2700\DATA0\DP10006.TXO

Chromatogram

FileName : C:\2700\DATA0\DP10006.raw
Date : 4/9/91 1:29 PM
Page : [illegible]
Start Time : 0.00 min
End Time : 30.00 min
Low Point : 33.56 mV
High Point : [illegible]
Scale Factor: -1
Plot Offset: 34 mV
Plot Scale: 100 mV



Sample Name : PCB 1221 .50 ug/ml Time : 4/9/91 2:04 PM
Sample Number: 2-281-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 1:32 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10007.raw
Result File : C:\2700\DATA0\DP10007.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1221608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1221 ON DB608

CONCENTRATION .50 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.629		24344308	930428	38220	26	24.3443
2	2.371		1360723	52039	38244	26	1.3607
3	2.978		15851	3274	206576	5	0.0159
4	3.768		33725	3872	114801	9	0.0337
5	3.963		93926	17050	181527	6	0.0939
6	4.379	Aroclor-1221	66577	11981	35978	6	0.3330
7	4.559	[redacted]	200703	35325	176006	6	0.2007
8	4.737	Aroclor-1	31667	5740	17237	6	0.3330
9	5.526		18776	3090	164567	6	0.0188
10	5.775		47868	6190	129317	8	0.0479
12	6.749		7413	1310	176664	6	0.0074
13	6.997		30520	4401	144198	7	0.0305
14	7.548		14751	1903	128979	8	0.0148
15	7.998		10754	1376	127927	8	0.0108
16	8.289		8992	1299	144482	7	0.0090
17	10.688		5413	784	144781	7	0.0054
18	10.938		5456	772	141459	7	0.0055
19	12.822		5048	744	147327	7	0.0051
20	13.507		7461	930	111211	7	0.0075
21	13.284		5441	698	128211	8	0.0054
22	18.223		59795	3943	65935	15	0.0598
23	19.851	DBC	398750	22915	229151	17	0.1000

26772914 1109961 27.0429

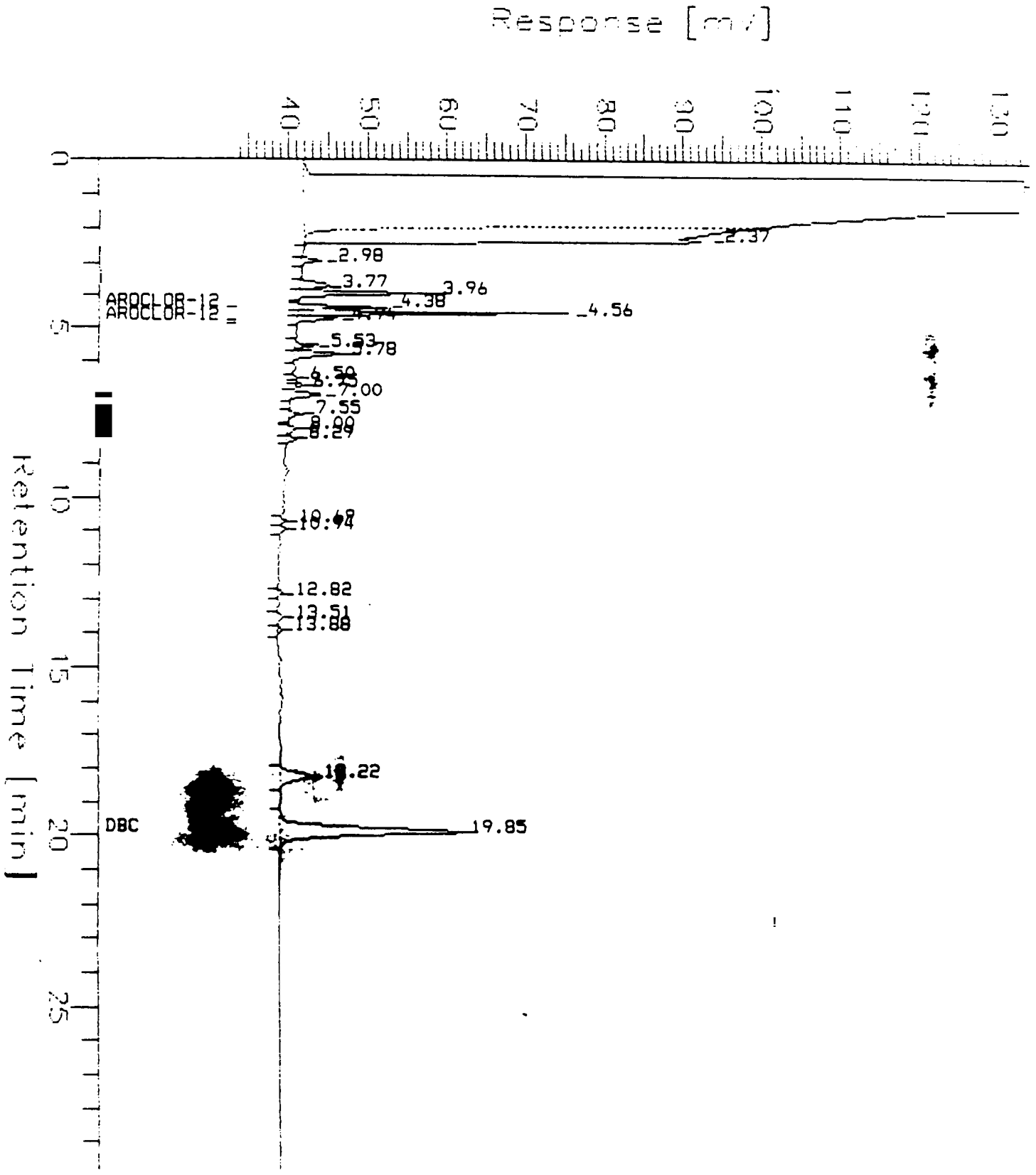
Group Report For : 1221

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
2	4.379	Aroclor-1221A	65577	11981	35373	6	0.3330
3	4.737	Aroclor-1221B	31667	5740	17237	6	0.3330
			97243	17721			0.6660

Report Stored in ASCII File: C:\2700\DATA0\DP10007.TXO

Chromatogram

FileName : C:\[illegible]\BATA0\DP10007.raw
Start Time : [illegible] min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 33 mV
Date : 4/9/91 2:04 PM
Low Point : 33.37 mV
Plot Scale: 100 mV
Page : [illegible]
High Point : 133.37 mV



Sample Name : PCB 1221 1.0 ug/ml Time : 4/9/91 2:39 PM
Sample Number: 6-281-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 2:07 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10008.raw
Result File : C:\2700\DATA0\DP10008.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1221608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1221 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.660		23069494	909897	39442	25	23.0695
2	3.372		259001	29293	113099	9	0.2590
3	3.979		31134	6347	203861	[illegible]	0.0311
4	3.768		65463	7395	112369	9	0.0655
[illegible]	3.952		177342	31830	179484	6	0.1773
6	4.378	Aroclor-1221A	123740	22241	56789	6	0.3330
7	4.560		363935	53178	173596	6	0.3639
	4.737	Aroclor-[illegible]	62505	11236	33741	6	9.3330
9	5.528		36212	5983	165221	6	0.0362
10	5.775		92449	11630	125795	8	0.0925
12	6.508		5064	1021	291624	[illegible]	0.0051
13	6.749		14694	2615	177976	5	9,3147
14	7.000		59575	8520	143016	7	3.0596
15	7.548		30881	3815	123522	8	0.0309
16	7.999		21241	2705	127348	8	3.0212
13	8.290		10785	1524	141280	7	0.0108
18	9.161		8946	941	105138	10	0.0090
20	10.691		10532	1547	146883	7	0.0105
21	10.942		10053	1465	145718	7	0.0101
22	12.504		6012	598	99536	10	0.0060
23	12.818		10303	1505	146118	7	0.0103
25	13.507		15144	1644	108531	9	0.0151
26	13.886		11001	1390	125454	8	0.0110

27	14.754		5859	644	109968	9	0.0059
28	15.360		5183	569	109876	9	0.0052
29	16.109		23699	1516	63976	16	0.0237
30	17.403		18563	1246	67108	15	0.0186
31	13.215		121729	7950	65395	15	0.1217
32	13.858	DBC	811338	46216	468160	17	0.1000
			25481874	1187061			25.2503

Group Report For : 1221

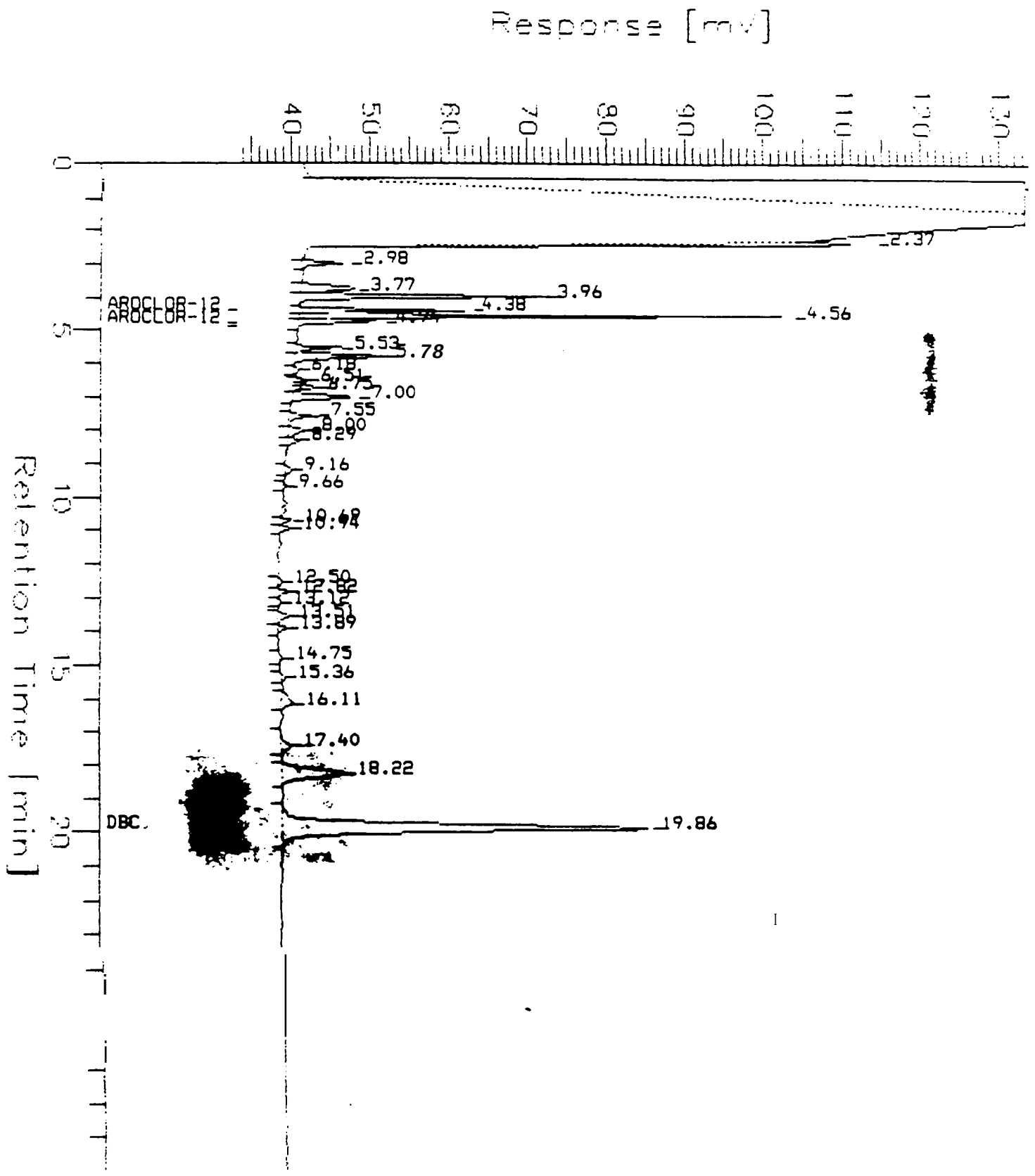
Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
6	4.378	Aroclor-1221A	123740	22241	56789	6	0.3330
8	4.737	Aroclor-1221B	62505	11236	33741	6	0.3330
			186245	33477			0.6660

Report Stored in ASCII File: C:\2700\DATA0\DP10008.TXO

Chromatogram

File Name : C:\2700\DATA0\DP10008.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 33 mV

Date : 4/9/91 2:39 PM
Low Point : 33.30 mV
High Point : 133.3
Plot Scale: 100 mV



Sample Name : PCB 1221 1.5 ug/ml Time : 4/9/91 3:14 PM
Sample Number: 4-281-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 2:42 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10009.raw
Result File : C:\2700\DATA0\DP10009.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1221608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1221 ON DB608

CONCENTRATION 1.5 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
	0.746		28234682	887818	31444	32	28.2347
2	3.371		358130	37883	105780	10	0.3581
3	3.979		44619	9098	203895	5	0.0446
4	3.767		92725	10320	111301	9	0.0927
5	3.963		249319	94303	177697	6	0.2493
6	4.379	Aroclor-1221A	[illegible]	30982	93039	6	0.3330
7	4.560		[illegible]1614	86018	171482	6	0.5016
8	4.737	Aroclor-1[illegible]	[illegible]9392	15953	47905	5	0.3330
9	5.528		52881	8625	163099	6	0.0529
10	5.775		132337	16528	124894	8	0.1323
11	6.185		ND	1012	138766	7	0.0073
12	6.504		5817	1263	216706	5	0.0058
13	6.750		21854	3862	176728	6	0.0219
14	6.999		86782	12311	141859	7	0.0868
15	7.550		45247	5537	122382	8	0.0453
16	8.001		31592	3974	125184	8	0.0316
17	8.286		8998	1267	140794	7	0.0090
18	9.164		13033	1357	104119	10	0.0130
20	10.173		5943	955	160572	6	0.0060
21	10.379		6340	982	154916	7	0.0063
22	10.671		16609	2379	143232	7	0.0166
23	10.938		15969	2239	140226	1	0.0160
25	12.819		16682	2315	139001	7	0.5167

26	13.118		5371	726	135118	7	0.0054
27	13.505		22478	2450	109003	9	0.0225
28	13.885		16237	2028	124871	8	0.0162
29	14.758		8987	961	106980	9	0.0090
30	15.363		7348	613	111359	9	0.0074
31	15.920		5701	685	130069	8	0.0057
32	17.379		8694	630	72447	14	0.0087
33	18.314		178290	11528	64656	16	0.1783
34	19.358	DBC	1176914	67778	677784	17	0.1060
			31641936	1274588			30.9676

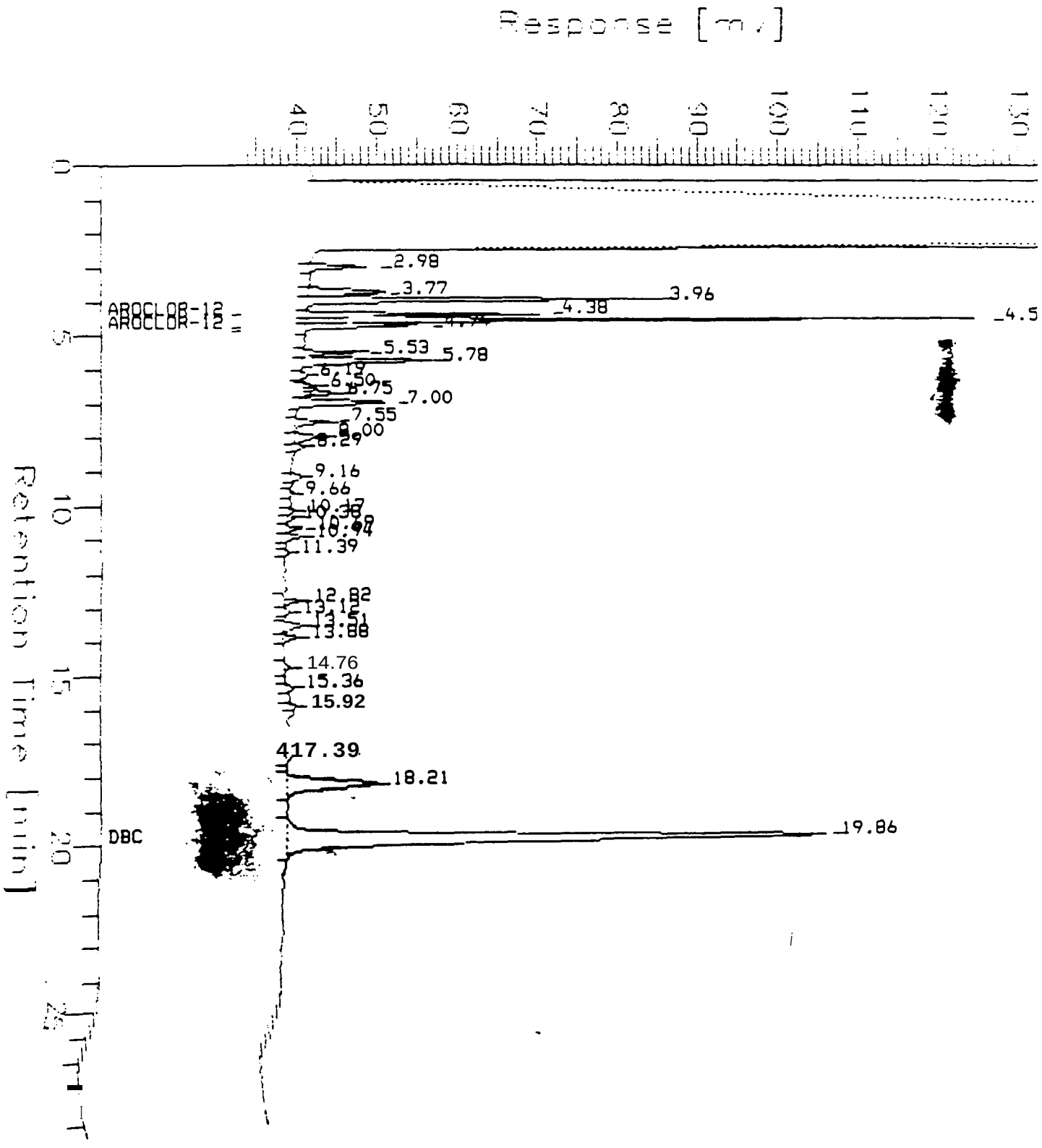
Group Report For : 1221

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.379	Aroclor-1221A	174055	30982	93039	5	0.3330
8	4.737	Aroclor-1221B	89392	15953	47906	6	0.3330
			263447	46935			0.6660

Report Stored in ASCII File: C:\2700\DATA0\DP10009.TXO

Chromatogram

FileName : C:\2700\DATA0\DP10009.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 33 mV
Date : 4/9/91 3:14 PM
Low Point : 33.15 mV
Plot Scale: 100 mV
High Point : 133.15 mV
Page 1 of 1



Sample Number: S-281-7 Study : 000394
Operator : LWM,RA

Interface # : 0 Channel : 8 A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 3:17 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10010.raw
Result File : C:\2700\DATA0\DP10010.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1221608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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AROCLOR 1221 ON DB608

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CONCENTRATION 2.0 ug/ml
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Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.796		31100472	868989	27941	36	31.1005
2	2.373		413760	43892	106081	3	0.4138
3	2.979		56669	11491	202779	5	0.0567
4	3.768		116687	12855	110163	3	0.1167
5	3.953		310805	54699	175991	6	0.3108
6	4.379	Aroclor-1221A	216383	38358	115190	6	0.3330
7	4.560		617844	105603	170921	6	0.6178
8	4.738	Aroclor-1221B	116096	20239	60779	6	0.3330
9	5.527		66902	10820	161731	6	0.0669
10	5.775		165827	20735	125038	8	0.1658
11	6.182		9275	1305	140678	7	0.0093
12	6.505		7437	1594	214359	[illegible]	3.0074
13	6.751		27783	4867	175187	6	0.0278
14	7.000		109998	15560	141460	7	0.1100
15	7.550		58043	7101	122342	8	0.0580
16	8.000		40873	5106	124929	8	0.0409
17	8.286		10118	1364	134823	7	0.0101
18	9.162		16724	1758	105140	10	0.3167
19	9.663		5860	720	122922	8	0.0059
20	10.175		7716	1246	161424	6	0.0077
21	10.386		3523	1272	149270	1	0.0035
22	10.692		20768	2971	143073	7	0.0208
23	10.940		19705	2841	144163	1	0.0197

3200815

26	12.861		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	13.115		6778	894	131957	8	0.0068
28	13.503		28968	3133	108144	9	0.0290
29	13.886		21063	2612	123998	8	0.0211
30	14.757		11456	1235	107761	9	0.0115
31	15.368		9694	1079	111309	9	0.0097
32	15.927		5684	591	121583	9	0.0057
33	16.491		5801	479	32523	12	0.0058
34	17.390		11288	739	39892	14	0.0113
35	18.220		227728	14845	65130	15	0.2279
36	19.356	BBC	1509310	57002	870019	17	[illegible]
			35335336	1352721			34.3195

Group Report For : 1221

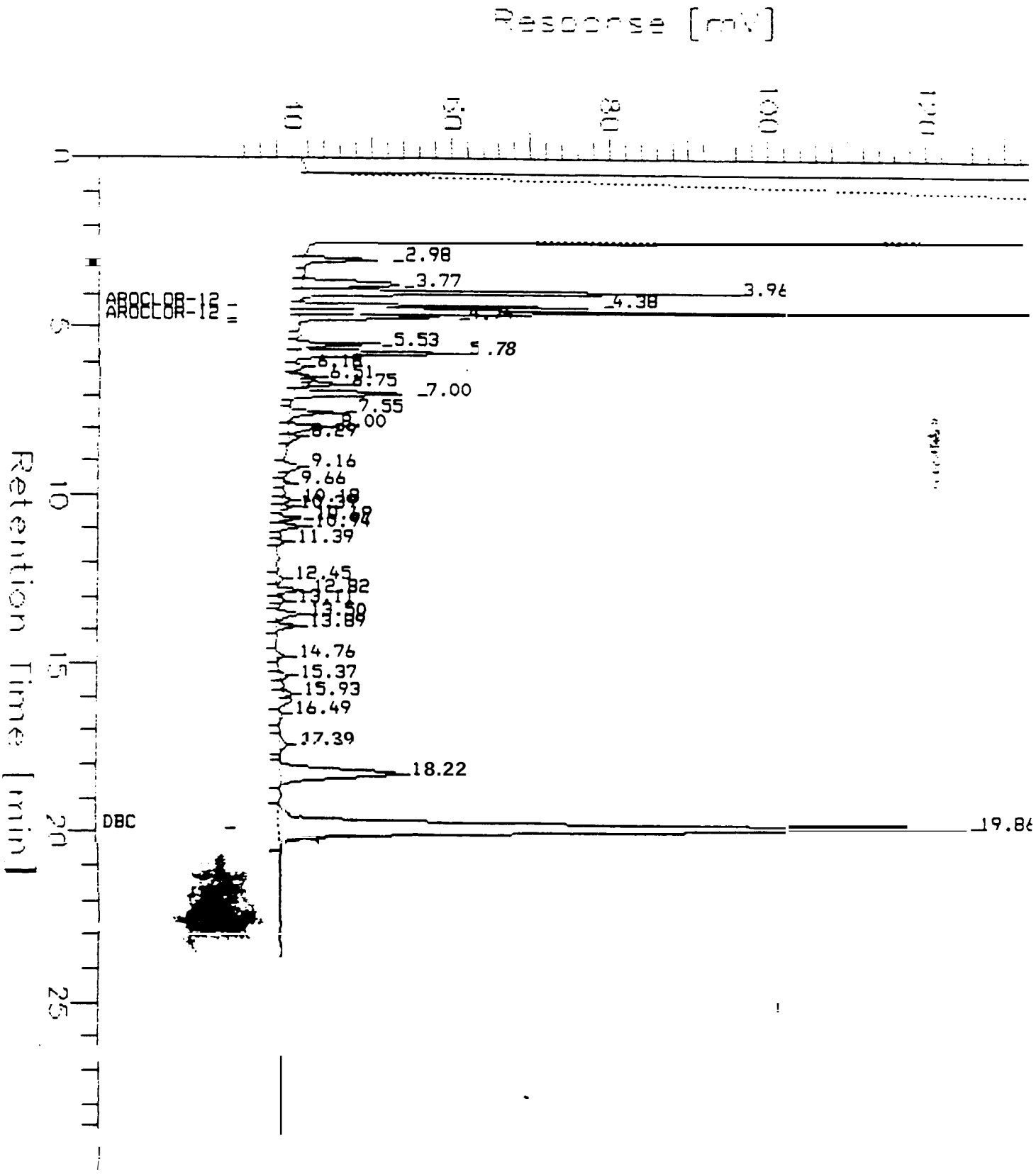
Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.379	Aroclor-1221A	216393	38358	115190	6	0.3330
8	4.736	Aroclor-1221B	116096	20239	60779	6	0.3330
			332479	58598			0.6660

Report **Stored in ASCII File:** C:\2700\DATA0\DP10010.TXO

FileName : C:\2700\DATA0\DP10010.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 33 mV

Date : 4/9/91 3:54 PM
Low Point : 33.18 mV
Plot Scale: 100 mV

High Point : 133.18 mV



Sample Name : PCB 1232 .25 ug/ml Time : 4/9/91 4:24 PM
Sample Number: 1-282-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 3:52 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10011.raw
Result File : C:\2700\DATA0\DP10011.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1232608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1232 ON DB608

CONCENTRATION .25 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.538		15164038	930548	61366	lb	15.1640
2	2.372		592886	22030	37158	27	0.5929
4	3.770		11631	1451	124737	8	0.0116
5	3.964		29219	5372	183851	5	0.0292
b	4.380	Aroclor-1232a	21054	4066	20330	[illegible]	0.2000
7	4.561	Aroclor-1232b	82737	15365	76824	[illegible]	0.2000
8	5.545		9423	1145	121535	8	3.0094
9	5.819		[illegible]5141	12134	142518	[illegible]	0.0851
10	6.175	Aroclor-[illegible]	[illegible]6961	1005	5026	[illegible]	0.2000
11	6.505		[illegible]0904	2212	202854	5	3.0139
12	6.755		24082	4388	182211	6	0.0241
13	6.996		149565	20874	139568	7	0.1496
14	7.548	Aroclor-1232d	56514	8268	41339	7	0.2000
15	7.999		22113	4261	192705	5	3.0221
16	8.283		24759	3379	136454	7	0.0248
17	9.235		39375	4356	123315	8	3.0394
18	9.659		30611	3608	117860	9	0.0306
19	9.967		23911	3005	125685	8	0.0239
20	10.173		37073	5199	158661	6	0.0391
21	10.382		52318	7712	147400	[illegible]	0.0523
22	10.590		7455	1141	152999	[illegible]	0.0075
23	10,744		10511	1450	137986	7	0.0105
25	11.391	Aroclor-1232e	is231	[illegible]28	39168	7	0.1667

000398

26	11.891		5336	683	128062	8	0.0053
27	12.197		5590	727	130115	8	0.0056
28	12.424		6041	885	146463	7	0.0060
29	12.662		5720	884	154489	7	0.0057
30	12.825		10739	1570	146155	7	0.0107
31	13.279		5776	866	143999	7	0.0058
32	15.113		5195	606	115500	9	0.0052
33	17.410		6339	325	33372	12	0.0063
34	18.315		31593	2091	66130	15	0.0316
35	19.366	DBC	207454	12119	121193	17	0.1000
			16828260	1091749			17.4760

Group **Report** For : AROCLOR 1232

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.380	Aroclor-1232a	81054	4066	20330	5	0.2000
7	4.561	Aroclor-1232b	82737	15365	76824	5	0.2000
10	6.175	Aroclor-1232c	5961	1005	5026	7	0.2000
14	7.548	Aroclor-1232d	56514	8258	41339	7	0.2000
25	11.391	Aroclor-1232e	44201	6528	39168	7	0.1667
			211467	35232			0.9667

Report Stored in ASCII File: C:\2700\DATA0\DP10011.TXO

e-

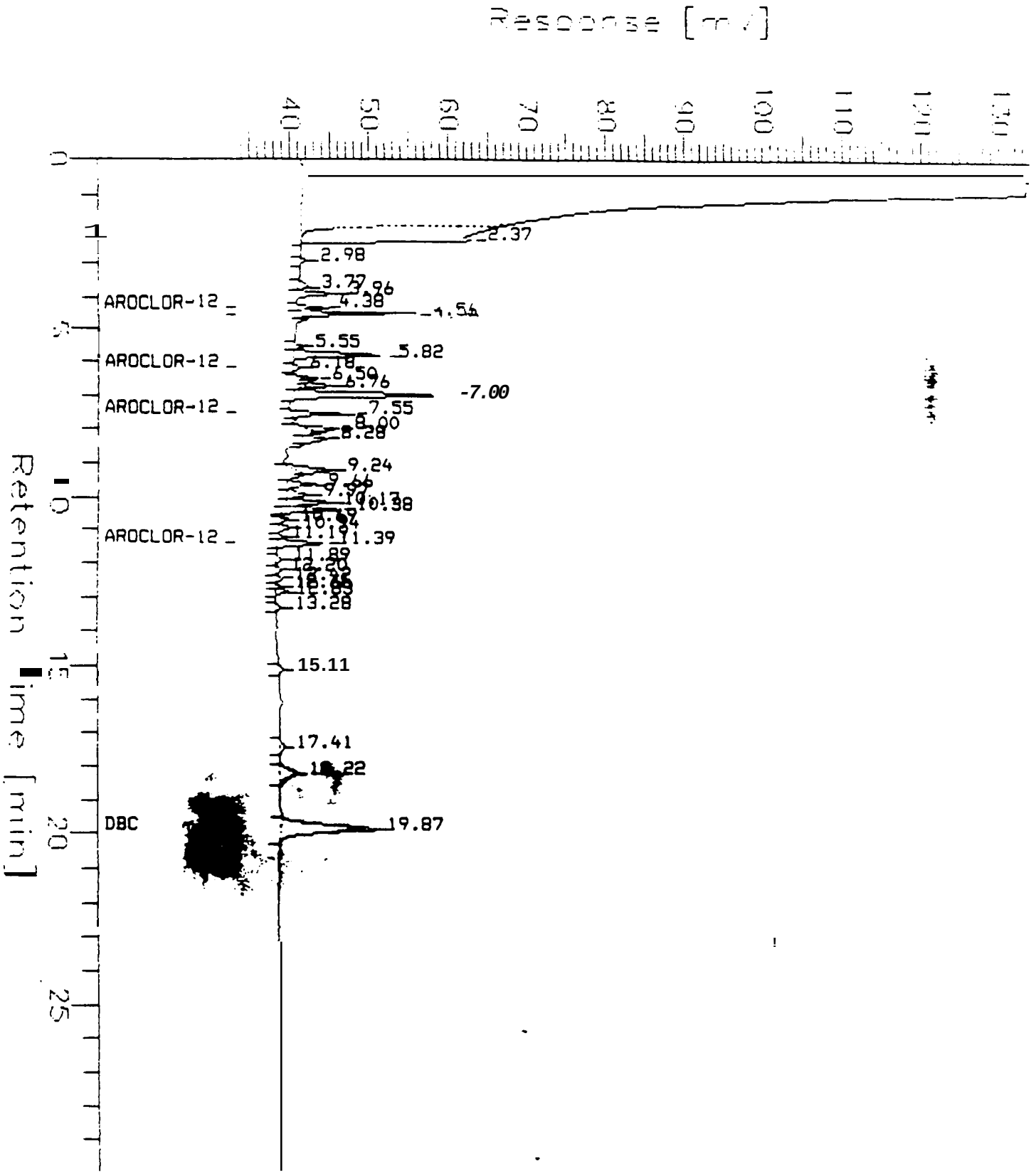
3200817

Chromatogram 000399

FileName : C:\2700\DATA0\DP10011.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 33 mV

Date : 4/9/91 4:25 PM
Low Point : 33.12 mV
Plot Scale: 100 mV

High Point : 133.12 mV



Sample Name : PCB 1232 .50 ug/ml Time : 4/9/91 5:00 PM
Sample Number: 2-282-7 Study :
Operator : LWM,RA

Interface # [illegible]0 Channel : E A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 4:28 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10012.raw
Result File : C:\2700\DATA0\DP10012.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1232608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1232 ON DB608

CONCENTRATION .50 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.613		21051784	931227	44235	23	21.0518
	2.371		1074326	39792	37039	27	1.0743
3	2.979		9495	1995	210175	5	0.0095
4	3.769		22577	2826	125178	8	0.0226
5	3.963		56634	10351	182776	6	0.5566
6	4.379	Aroclor-1232a	44752	8242	41208	5	0.2000
7	4.561	Aroclor-123[illegible]	167271	29152	145762	6	0.2000
8	4.736	[illegible]	15964	3142	196791	5	0.0160
9	5.547	[illegible]	18613	2308	124016	8	0.0186
10	5.319	[illegible]	159943	22563	141048	7	0.1599
11	6.175	Aroclor-1[illegible]	13752	2001	10006	7	0.2000
12	6.503		22611	4486	198402	5	0.0226
13	6.755		46042	8409	182640	6	0.0460
14	6.998		277724	38197	137537	7	0.2777
15	7.545	Aroclor-1232d	108401	15563	77817	7	0.2000
16	8.000		41445	7948	191759	5	0.0415
17	8.233		42354	5714	134907	7	0.0424
18	8.836		7583	1354	138958	7	0.0076
19	9.234		75414	9139	121189	8	0.0754
20	9.658		60066	7005	116576	9	0.0601
21	9.968		46524	5741	123403	6	0.0465
22	10.172		75018	11752	156654	6	0.0750
23	10.381		100776	14731	146180	7	0.1008

000401

24	10.689		15119	2307	152582	7	0.0151
25	10.943		21149	2893	136806	7	0.0212
26	11.192		9297	1306	157637	6	0.0083
27	11.389	Aroclor-1232e	83982	12467	74803	7	0.1667
28	11.895		10864	1400	123895	8	0.0109
29	12.194		10885	1443	133014	8	0.0109
30	12.424		11526	1751	151942	7	0.0115
31	12.664		11556	1757	152304	7	0.0116
32	12.932		21599	3335	148549	7	0.0216
33	13.277		11868	1792	159957	7	0.0119
35	15.103		10486	1238	113053	9	0.0105
36	17.396		8509	679	75373	13	0.0085
37	18.212		63478	4171	65694	15	0.0635
38	19.855	DBC	417605	23996	239959	17	0.1000
			24246116	1243625			24.4770

Group **Report** For : AROCLOR **1232**

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.379	Aroclor-1232a	44752	3242	41208	5	0.2000
7	4.561	Aroclor-1232b	167271	29152	145762	6	0.2000
11	6.175	Aroclor-1232c	13752	2001	10006	7	0.2000
15	7.545	Aroclor-1232d	108401	15563	77817	7	0.2000
27	11.389	Aroclor-1232e	83982	12467	74803	7	0.1667
			418157	67426			0.9667

Report Stored in ASCII File: C:\2700\DATA0\DP10012.TXO

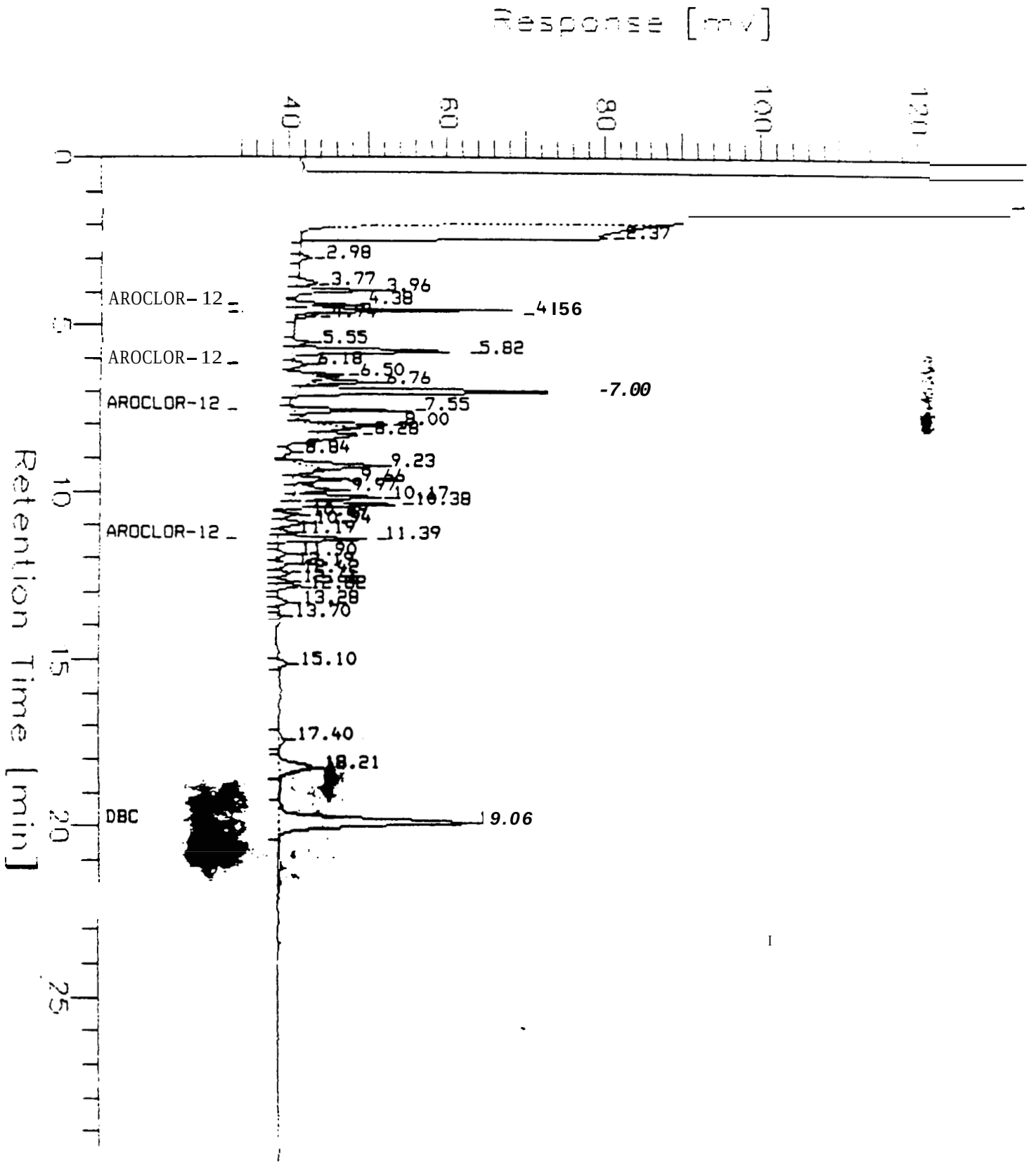
Chromatogram

000402

FileName : C:\2700\DATA0\DP10012.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: Plot Offset: 34 mV

Date : 4/9/91 5:00 PM
Low Point : 33.49 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 133.49 mV



3200813

Sample Name : PCB 1232 1.0 ug/ml Time : 4/9/91 5:35 PM
Sample Number: 6-282-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 5:03 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10013.raw
Result File : C:\2700\DATA0\DP10013.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1232608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1232 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
	0.272		30397250	929460	30577	33	30.3973
	2.369		1905274	72080	37932	26	1.9053
3	3.278		18458	3833	207749	5	0.0185
4	3.769		42283	5251	124183	8	0.0423
5	3.963		105073	19054	181339	6	0.1051
6	4.378	Aroclor-1232a	82661	14965	74823	6	0.2000
7	4.559	Aroclor-123[illegible]	296960	51101	255504	6	0.2000
8	4.735	[illegible]	30119	5895	195709	5	5.3301
9	5.546	[illegible]	35164	4331	123176	8	0.0352
10	5.818	[illegible]	284514	39668	139425	7	0.2845
11	6.175	Aroclor-1[illegible]	26168	3787	18935	1	0.2000
12	6.503		85540	13096	153099	7	0.0855
13	6.613		45431	9013	198393	5	0.0454
14	6.754		141270	19996	141545	7	3.1413
15	6.995		521084	68563	131577	8	0.5211
16	7.546	Aroclor-1232d	196194	27711	138555	7	0.2000
17	7.999		131535	20607	156664	6	0.1315
18	8.111		54126	10989	203025	5	9.3541
19	8.281		75942	9803	129079	8	0.0759
20	8.933		15007	2048	135453	7	0.0150
21	9.232		135409	16132	119134	9	0.1354
22	9.661		110902	12924	116538	7	0.1109
13	3.343		22093	4258	192750	5	9.0221

000404

24	9.968		63671	10400	163337	6	0.0637
25	10.173		133614	20599	154169	7	0.1336
26	10.381		181976	26286	144446	7	0.1820
27	10.689		28154	4262	151399	7	0.0282
28	10.942		39280	5358	136407	7	0.0393
29	11.193		14659	2428	165601	6	0.0147
30	11.390	Aroclor-12[redacted]	164992	23425	140548	7	0.1667
31	11.393		20429	3646	129523	8	0.0204
32	12.194		20463	2712	132531	8	0.0205
33	12.425		21844	3263	149371	7	0.0218
34	12.663		22280	3315	148775	7	0.0223
35	13.324		40867	5880	143870	7	0.0409
36	13.376		22568	3347	148307	7	0.0226
38	13.700		7883	1172	148657	7	0.0079
40	15.106		20052	2341	116763		0.0201
42	18.217		118418	7771	65622	15	0.1184
43	19.856	DBC	792594	45587	455870	17	0.1000
			36472200	1535357			35.9793

Group **Report** For : AROCLOR 1232

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.378	Aroclor-1232a	82661	14965	74823	6	0.2000
7	4.559	Aroclor-1232b	296960	51101	255504	6	0.2000
11	6.175	Aroclor-1232c	26168	3787	18935	7	0.2000
16	7.546	Aroclor-1232d	196194	27711	138555	7	0.2000
30	11.390	Aroclor-1232e	164992	23425	140548	7	0.1667
			766975	120989			0.9667

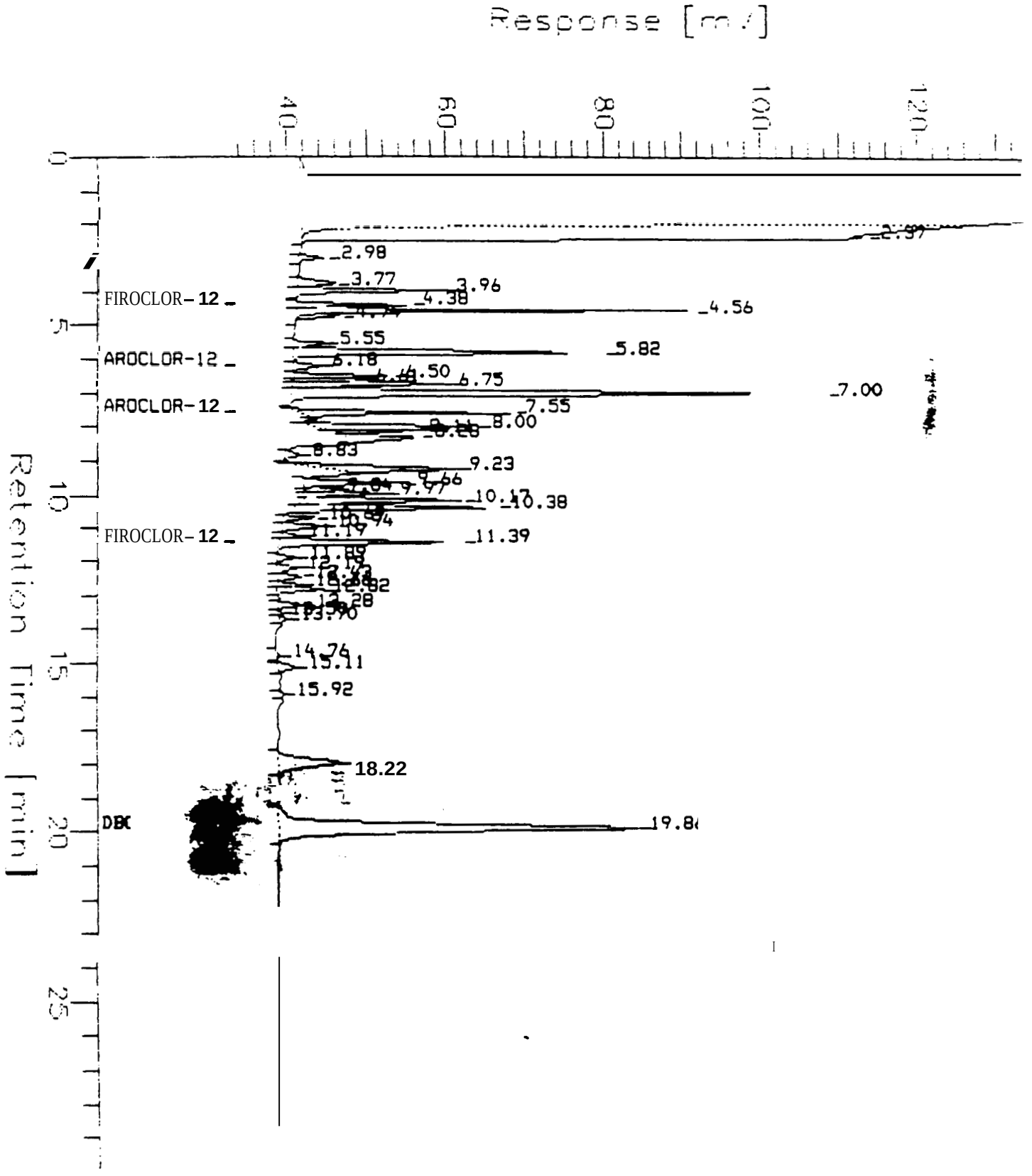
Report **Stored in ASCII File:** C:\2700\DATA0\DP10013.TXO

3200820

Chromatogram

000405

FileName : C:\2700\DATA0\DP10013.raw
Start Time : 0.00 min
Scale Factor: -1
End Time : 30.00 min
Plot Offset: 34 mV
Date : 4/9/91 5:35 PM
Low Point : 33.49 mV
Plot Scale: 100 mV
High Point : 133.49 mV
Page 1 of 1



Sample Name : PCB 1232 1.5 ug/ml Time : 4/9/91 6:10 PM
Sample Number: 4-282-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : WO

Data Acquisition Time: 4/9/91 5:38 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10014.raw
Result File : C:\2700\DATA0\DP10014.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1232608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1232 ON DB608

CONCENTRATION 1.5 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	3.738		27736028	890056	32090	31	27.7360
2	2.368		299537	24992	83434	12	0.2995
3	2.979		26976	5590	207214	5	0.0270
4	3.769		61955	7550	121866	8	0.0620
5	3.963		152114	27289	179397	6	0.1521
6	4.378	Aroclor-1232a	119426	21450	107251	6	0.2000
7	4.559	Aroclor-1232b	417054	71325	356625	6	0.2000
8	4.736		44670	8709	194968	5	0.0447
9	5.546		52051	6367	122321	8	0.0521
10	5.819		401524	55270	137651	7	3.4015
11	6.176	Aroclor-	38970	5587	27936	7	0.2000
12	6.503		59425	11540	194193	5	0.0594
13	6.753		118788	21221	178692	6	0.1188
14	6.995		689415	93607	135777	7	0.6894
15	7.546	Aroclor-1232d	306571	40423	202113	8	0.2000
16	7.775		15462	3117	201594	5	0.0155
17	7.998		195926	29502	150578	7	0.1959
18	8.109		67926	15389	226552	4	0.0679
19	8.282		105569	13723	129988	8	0.1056
20	8.634		22514	3032	134686	7	0.0225
21	9.237		192346	22615	117573	9	0.1924
22	9.659		159956	18586	115194	9	0.1600
23	9.844		32585	6348	134821	5	0.0326

3200821

000407

24	9.966		90876	15105	166216	6	0.0909
25	10.171		189727	28876	152195	7	0.1897
26	10.381		258969	37328	144141	7	0.2590
27	10.688		41606	6287	151113	7	0.0416
28	10.945		57533	7847	136398	7	0.0575
29	11.192		21825	3591	164549	6	0.0218
30	11.388	Aroclor-12[illegible]	236246	32925	197547	7	0.1667
31	11.691		30465	3960	129996	8	0.0305
32	12.192		30650	4065	132617	8	0.0307
33	12.425		32590	4902	150420	7	0.0326
34	12.659		33294	5020	150769	7	0.0333
35	12.824		60372	3657	143391	7	0.0604
36	13.275		43161	5290	122573	8	0.0432
37	13.502		9553	1275	133518	8	0.0096
38	13.701		19699	2355	119566	8	0.0197
39	13.881		12154	1414	116343	9	0.0122
40	14.756		6536	745	113997	9	0.0065
41	15.099		30055	3477	115679	9	0.0301
42	15.915		6765	783	115691	9	0.0068
43	17.392		13247	974	73495	14	0.0133
44	18.212		180078	11690	64917	15	0.1801
45	19.850	DBC	1193919	68211	682112	18	0.1000
47	23.483		6408	386	60261	17	0.0064
			33922512	1658457			32.6770

Group Report For : AROCLOR 1232

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.378	Aroclor-1232a	119426	21450	107252	6	0.2000
7	4.559	Aroclor-1232b	417054	71325	356625	6	0.2000
11	6.176	Aroclor-1232c	38970	5587	27936	7	0.2000
15	7.546	Aroclor-1232d	306571	40423	202113	8	0.2000
30	11.388	Aroclor-1232e	236246	32925	197547	7	0.1667
			1118266	171711			0.9667

Report Stored in ASCII Filer C:\2700\DATA0\DP10014.TXO

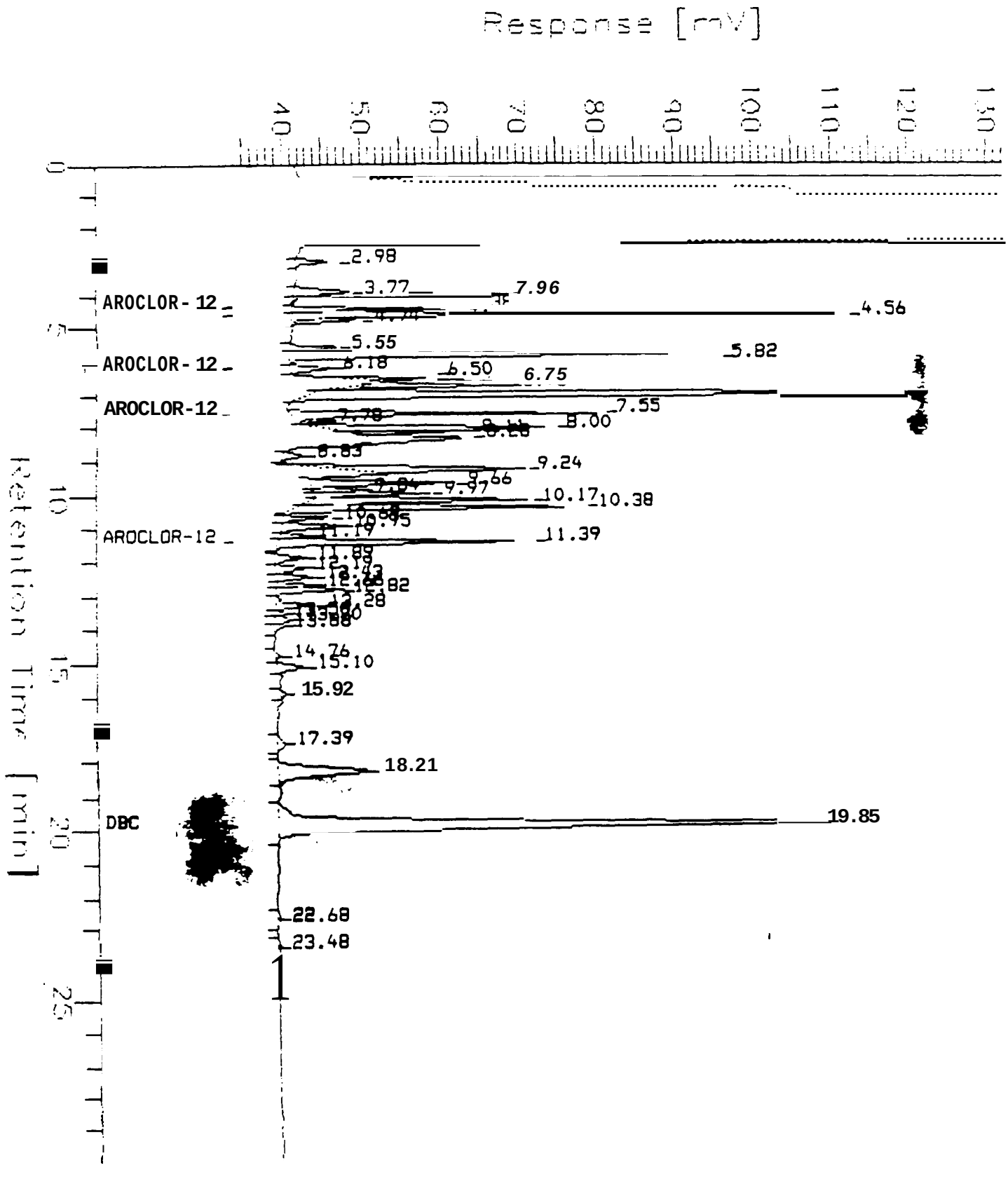
Chromatogram

000408

FileName : C:\2700\DATA0\DP10014.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor:
Plot Offset: 34 mV

Date : 4/9/91 6:10 PM
Low Point : 33.73 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 133.73 mV



3200822

Sample Name : PCB 1232 2.0 ug/ml Time : 4/9/91 6:45 PM
Sample Number: 5-282-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000 000409
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 6:13 PM
Delay Time : 0.00 min.
End Time : 30.00 rnin.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10015.raw
Result File : C:\2700\DATA0\DP10015.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1232608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1232 ON DB608

CONCENTRATION 2.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	3.776		42292148	9294411	21977	46	42.2922
2	2.369		3014993	121320	40405	25	3.0150
3	2.979		34782	7264	208845	[illegible]	0.0348
4	3.768		19367	9595	120888	8	0.0794
5	3.962		194099	34736	178962	6	0.1941
6	4.378	Aroclor-1232a	149635	26755	133774	b	3.2000
7	4.558	Aroclor-12[illegible]	5[illegible]47	88177	440884	b	5.2000
8	4.736		5[illegible]610	11312	193005	5	0.0586
9	5.547		67670	8248	121382	8	0.0677
10	5.816		504019	69379	137651	7	0.5040
11	6.174	Aroclor-1[illegible]	50347	7268	36341	7	0.2000
12	6.502		159721	24159	151260	7	0.1597
13	6.612		84053	16675	198387	[illegible]	0.0841
14	6.752		256376	35796	139623	7	0.2564
15	6.994		924284	120200	130046	9	0.9243
16	7.543	Aroclor-1232d	388629	50932	254658	a	0.2000
17	7.774		20557	4000	194561	[illegible]	0.0206
18	7.997		241653	37527	155293	6	0.2417
19	8.110		92663	17240	207629	5	0.0927
20	8.379		125285	16779	133929	3	0.1253
21	8.333		29199	3913	134315	a	0.0292
22	8.338		211994	28592	113150	9	0.2420
23	8.659		203808	23552	115558	9	0.2933

24	9.843		42269	8033	190043	5	0.0423
25	9.965		113932	18837	165334	6	0.1139
26	10.169		239603	36094	150640	1	0.2396
27	10.379		328242	47123	143562		0.3282
28	10.687		53452	7990	149473	[illegible]	0.0535
29	10.940		74103	9999	134930	7	0.0741
30	11.190		28388	4663	164452	8	0.0284
31	11.387	Aroclor-1232e	299131	42212	253268		0.1667
32	11.690		39932	5100	127735		0.0399
33	12.191		39373	5245	133207		0.0394
34	12.421		42508	6303	143285	[illegible]	0.0425
35	12.650		41849	6595	155444		0.0419
36	12.820		79416	11090	139650		0.0794
37	13.276		56094	6841	121958	3	0.0561
38	13.503		13024	1701	130598	3	0.0130
39	13.696		26022	3135	120468	8	0.0260
40	13.879		16042	1371	116612	9	0.0160
41	14.749		8655	991	114481	9	0.0087
42	15.099		39471	4594	116395	9	0.0395
43	16.095		59059	4148	70237	14	0.0591
45	17.378		14932	1079	72285	14	0.0149
46	18.214		211497	14635	69196	15	0.2115
47	19.850	DBC	1571598	98495	334948	18	0.1000
48	22.689		5833	369	63313	16	0.0058
49	23.461		8491	507	59755	17	0.0085
			53186448	2032930			51.2742

000410

Group Report For : **AROCLOR 1232**

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.373	Aroclor-1232a	149635	26755	133774	6	0.2000
7	4.558	Aroclor-1232b	519647	88177	440884	6	0.2000
11	6.174	Aroclor-1232c	50347	7268	36341	7	0.2000
16	7.543	Aroclor-1232d	388629	50932	254658	8	0.2000
31	11.387	Aroclor-1232e	299131	42212	253268	7	0.1667
			1407388	215344			0.9667

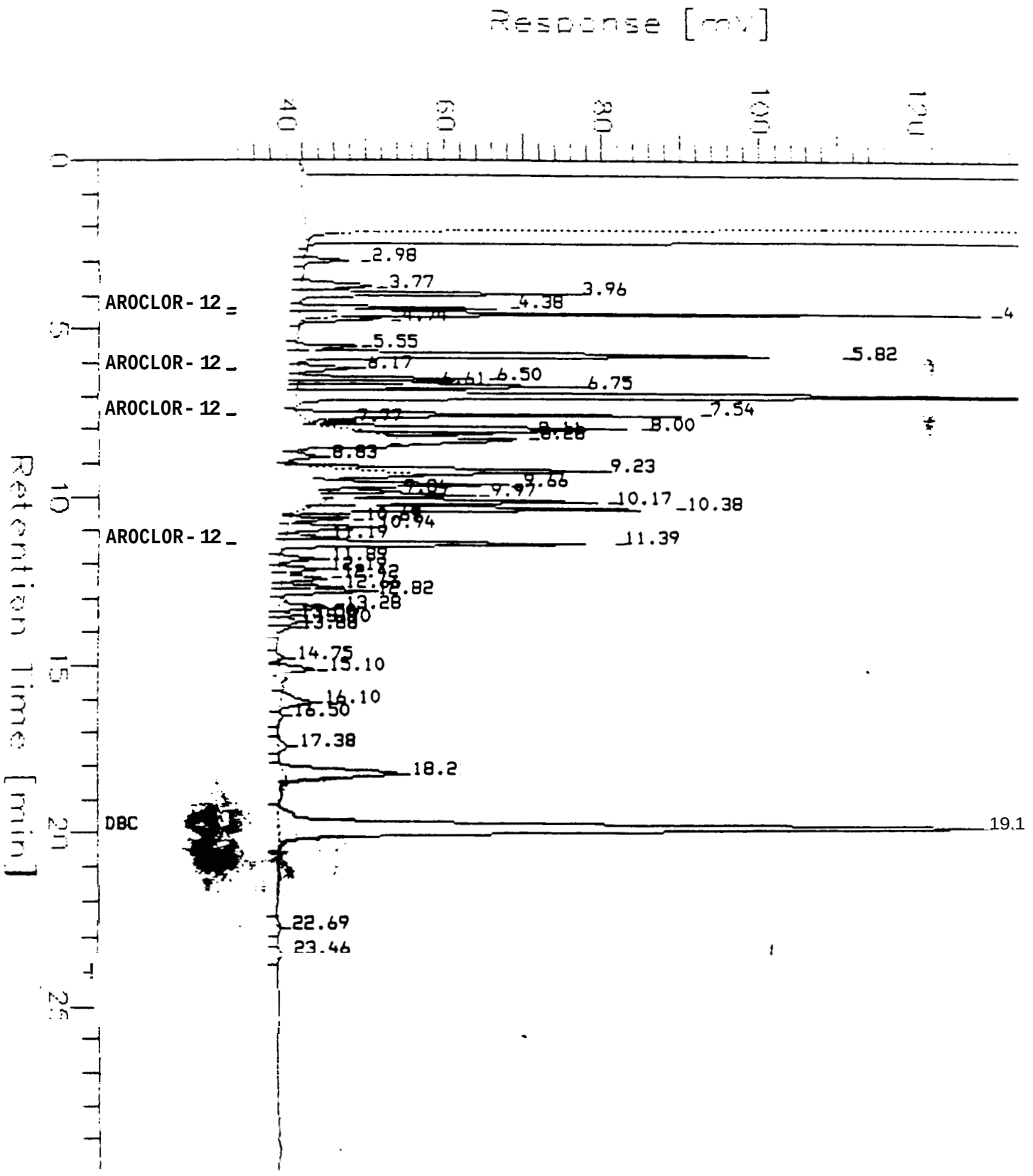
Report Stored in ASCII File: C:\2700\DATA0\DP10015.TXO

3200823

Chromatogram

FileName : C:\2700\DATA0\DP10015.raw
Start Time : 0.00 min
Scale Factor: -1
End Time : 30.00 min
Plot Offset: 34 mV
Date : 4/9/91 6:45 PM
Low Point : 33.66 mV
Plot Scale: 100 mV

000417



Sample Name : PCB 1242 .25 ug/ml
Sample Number: 1-283-7
Operator : LWM,RA

Time : 4/9/91 7:20 PM
Study

000412

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 6:48 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10016.raw
Result File : C:\2700\DATA0\DP10016.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1242608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1242 ON DB608

CONCENTRATION .25 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.588		10785476	930409	86265	12	10.7855
2	0.803		5363825	214122	39920	25	5.3638
3	3.769		9469	1283	135515	7	0.0095
4	3.963		16099	2989	185646	5	0.0161
5	4.377		16473	3150	191237	[illegible]	0.0165
6	4.559	Aroclor-1242a	74527	13863	13863	5	1.0000
7	5.582		9158	1317	143834	7	0.0092
8	5.618		131060	19699	150305	7	0.1311
9	6.173	Aroclor[illegible]	12012	1727	1727	7	1.0000
10	6.500		18769	3795	202217	[illegible]	0.0188
11	6.752		40496	7327	180938	6	0.0405
12	6.993		248987	34580	138884	7	0.2490
13	7.544	Aroclor-1242c	94761	13842	13842	7	1.0000
14	7.998	Aroclor-1242d	65549	10413	10413	6	1.3000
15	8.110		42069	7403	175973	6	0.0421
16	3.262		53004	6578	124101	8	3.0530
17	8.833		7126	1002	140591	7	0.5071
18	9.231		72641	9033	124353	9	3.3726
19	9.656		59716	6999	117207	9	0.0597
20	9.964		47346	6040	127566	8	0.0474
21	10.170		78557	12146	154611	[illegible]	0.3786
22	10.381		106872	14808	146798	7	0.1009
23	14.688		20813	3171	152334	7	3.0208

3200824

24	10.941		28264	3895	137803	7	0.0283
25	11.191		12094	1931	159685	6	0.0121
26	11.388	Aroclor-1242e	86742	12898	12898	7	1.0000
27	11.889		14816	1926	129995	8	0.0148
28	12.189		15484	2076	134089	9	0.0155
29	12.423		17116	2571	150198	7	0.0171
30	12.660		15045	2335	155171	6	0.0150
31	12.822		32759	4656	142144	7	0.0328
32	13.373		22052	3235	145700	7	0.0221
33	13.698		5994	927	157057	6	0.0059
34	15.498		18719	2173	116110	9	0.0187
36	17.401		7132	582	81592	12	0.0071
37	18.209		32663	2219	67929	15	0.0327
38	19.642	DBC	209757	12180	243601	17	0.0500
			17889348	1379300			22.3940

000413

Group Report For : *1242*

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	4.559	Aroclor-1242a	74527	13863	13863	5	1.0000
9	6.173	Aroclor-1242b	12012	1727	1727	7	1.0000
13	7.544	Aroclor-1242c	94761	13842	13842	7	1.0000
14	7.998	Aroclor-1242d	65549	10413	10413	6	1.0000
26	11.388	Aroclor-1242e	86742	12898	12898	7	1.0000
			335590	52743			5.0000

Report **Stored** in **ASCII File:** C:\2700\DATA0\DP10016.TXO

Chromatogram

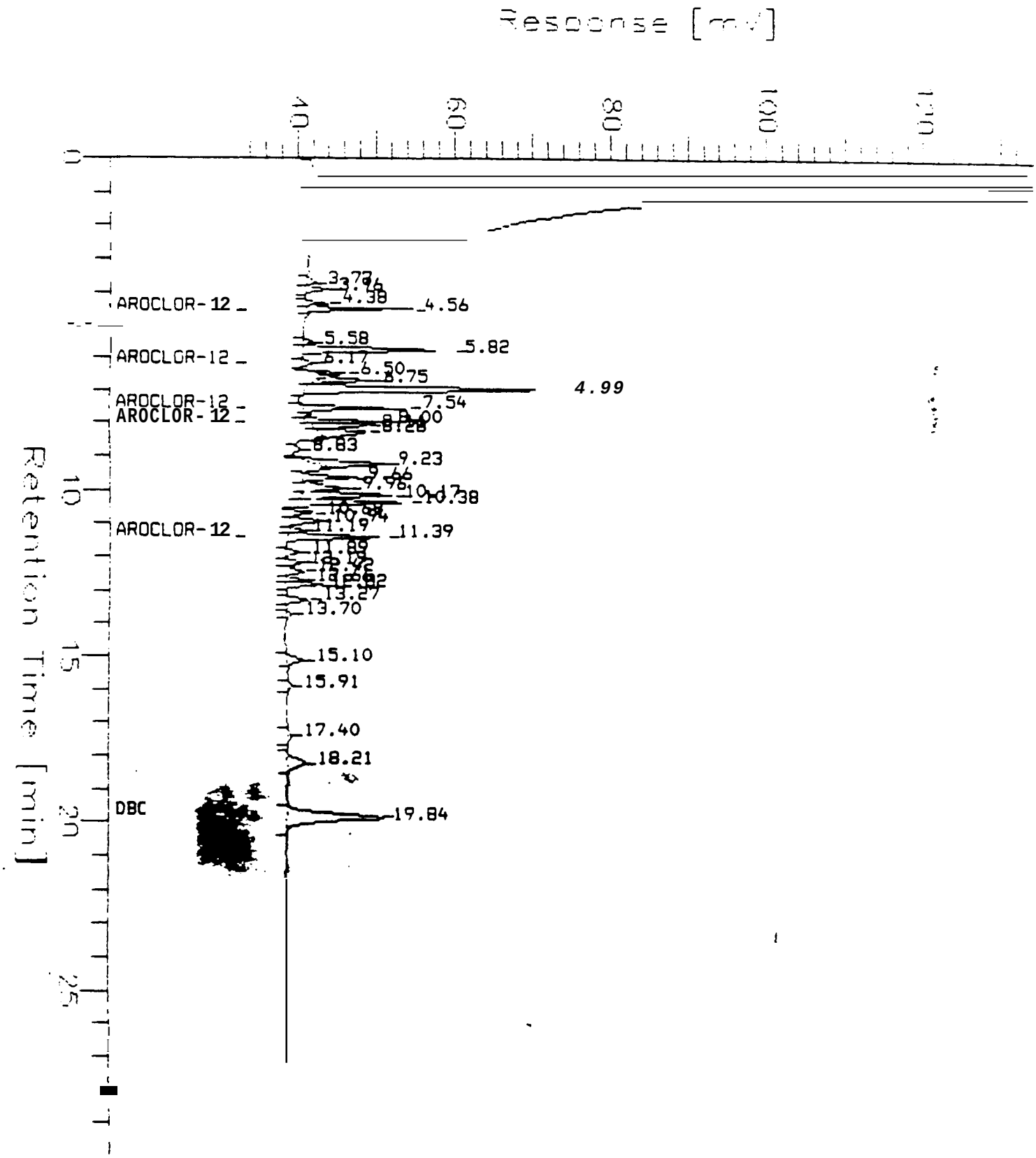
000414

FileName : C:\2700\DATA0\DP10016.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 33 mV

Date : 4/9/91 7:31 PM
Low Point : 33.43 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 133.43 mV



3200825

Sample Name : PCB 1242 .50 ug/ml Time : 4/9/91 7:55 PM
Sample Number: 2-283-7 Study :
Operator : LWM,RA

000415

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 7:23 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10017.raw
Result File : C:\2700\DATA0\DP10017.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1242608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1242 ON DB608

CONCENTRATION .50 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	3.613		22473234	930666	41412	24	22.4732
	3.767		17953	2473	137722	7	3.0180
3	3.961		31422	5778	183889	[illegible]	0.0314
4	4.375		31216	6018	192780	[illegible]	0.0312
5	4.555	Aroclor-1242a	136667	25118	25118	5	1.0006
6	5.579		18227	2617	143582	7	0.0182
7	5.815		287812	35060	147427	7	0.2378
8	5.171	Aroclor-1[illegible]	[illegible]11	3325	3325	7	1.0000
9	6.498		35355	7013	198365	5	0.0354
10	6,749		78734	13265	179906	6	0.0737
11	6.991		444377	60279	135647	7	3.4444
12	7.542	Aroclor-1242c	173535	24798	24798	7	1.0000
13	7.995	Aroclor-1242d	113445	17983	17993	6	1.0000
11	8.107		57901	11321	195518	5	0.0579
1	8.277		74483	7718	130473	8	0.0745
16	8.828		13880	1892	136323	7	0.3139
17	9.228		129973	15868	122084	8	0.1300
18	9.654		109962	12777	116191	9	0.1100
19	1.962		87494	11027	126032	8	0.0875
20	10.168		139376	21564	154715	7	0.1394
21	10.376		183469	26379	143779	7	0.1835
22	10.685		38035	5849	150611	7	0.0388
23	10.939		52747	7187	136250	7	0.0528

24	11.187		22297	3614	162096	6	0.0223
25	11.384	Aroclor-1242e	166950	23409	23409	7	1.0000
26	11.889		28115	3599	128018	8	0.0281
27	12.188		29719	3942	132636	8	0.0297
28	12.421		32669	4885	149523	7	0.0327
29	12.658		28507	4404	154501	7	0.0285
30	12.819		60762	8585	141230	7	0.0608
31	13.274		46597	6113	131191	8	0.0466
32	13.674		11311	1743	15-[illegible]	7	0.0113
34	15.076		35587	4072	114435	9	0.0356
35	15.913		11466	1068	93132	11	0.0115
36	18.201		57067	3917	68646	15	0.0571
37	19.348	DBC	403065	33581	471629	17	0.0500
			25632520	1350906			29.5655

000416

Group **Report** For : ***1242***

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.555	Aroclor-1242a	136667	25118	25118	5	1.0000
9	6.171	Aroclor-1242b	23311	3325	3325	7	1.0000
12	7.542	Aroclor-1242c	173535	24798	24798	7	1.0000
13	7.995	Aroclor-1242d	113445	17983	17983	6	1.0000
25	11.384	Aroclor-1242e	166950	23409	23409	7	1.0000
			613908	94634			5.0000

Report **Stored in ASCII File: C:\2700\DATA0\DP10017.TXO**

Chromatogram

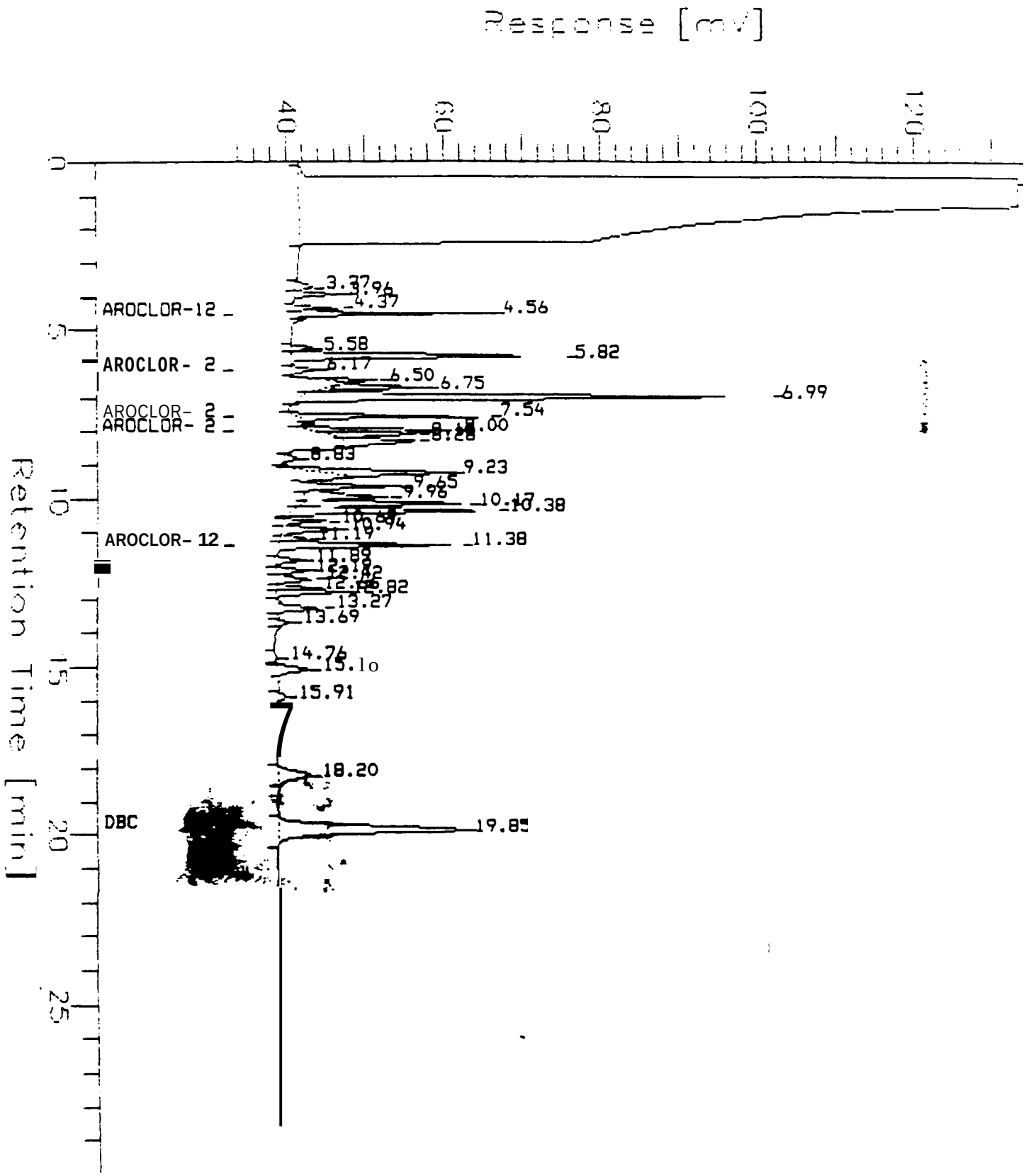
000417

FileName : C:\2700\DATA0\DP10017.raw
Start Time : 0.00 min
Scale Factor: [illegible]

End Time : 30.00 min
Plot Offset: 33 mV

Date : 4/9/91 7:56 PM
Low Point : 33.26 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 133.35 mV



Sample Name : PCB 1242 1.0 ug/ml Time : 4/9/91 8:31 PM
Sample Number: 6-283-7 Study : 000418
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 7:58 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10018.raw
Result File : C:\2700\DATA0\DP10018.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1242608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1242 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	3.671		31894256	929036	29129	34	31.8943
2	3.767		33480	4573	136580	7	0.0335
3	3.961		59067	10788	182637	6	0.3591
4	4.374		63148	11595	183622	5	0.0632
5	4.556	Aroclor-1242a	260764	45279	45279	6	1.0000
6	4.732		16412	3261	198699	5	0.0164
7	5.581		35745	5029	140682	7	0.0357
8	5.815		419365	60390	144003	7	0.4194
9	6.172	Aroclor-1	47015	6444	6444	7	1.0000
10	6.498		146948	21413	145717	7	0.1470
11	6.608		74474	14867	199634	5	0.0745
12	6.749		won	31659	141922	7	0.2231
13	6.992		830073	108148	130298	8	0.8301
14	7.541	Aroclor-1242c	343779	45243	45243	8	1.0000
15	7.772		19612	3914	199597	5	0.0196
16	7.993	Aroclor-1242d	206906	32758	32758	6	1.0000
17	8.106		131555	19914	196087	5	0.1016
18	8.276		126520	16576	131012	8	0.1265
19	3.630		27020	3654	135181	7	0.0270
20	9.229		230182	27826	120899	9	0.2302
21	9.654		202712	23573	116288	9	9.2027
22	9.839		38440	7710	290570	5	0.0384
23	9.964		122450	20030	163578	6	0.1225

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25	10.374		328720	47179	143522	7	0.3287
26	10.635		73498	10829	147330	7	0.0735
27	10.938		97765	13184	134855	7	0.0978
28	11.187		42410	5862	161301	6	0.0424
29	11.385	Aroclor-1242e	305078	43012	43012	7	1.0000
30	11.888		53960	6825	165719	8	0.0539
31	12.191		56989	7450	130723	8	0.0570
32	12.480		61699	9113	147773	7	0.0617
33	12.658		54848	6350	152230	7	0.0549
34	12.920		114871	16132	147433	7	0.1149
35	13.071		7081	1149	162231	6	0.0071
36	13.274		83087	11405	137260	7	0.0831
38	13.697		2321	3492	150165	7	0.0233
39	14.749		6580	776	117871	9	0.0066
40	15.098		69005	7968	115471	9	0.0690
42	15.912		25321	3204	83043	12	0.0253
43	17.379		10256	811	77076	13	0.0103
44	18.206		118269	7710	65177	15	0.1183
45	19.844	DBC	789854	45303	906067	17	0.0500
			38092440	1741274			41.1391

Group Report For : ***1242***

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.556	Aroclor-1242a	260764	45279	45279	6	1.0000
9	6.172	Aroclor-1242b	47015	6444	6444	7	1.0000
14	7.541	Aroclor-1242c	343779	45243	45243	9	1.0000
16	7.993	Aroclor-1242d	206906	32758	32758	6	1.0000
29	11.385	Aroclor-1242e	305078	43012	43012	7	1.0000
			1163542	172735			5.0000

Report **Stored in ASCII File:** C:\2700\DATA0\DP10018.TXO

Chromatogram

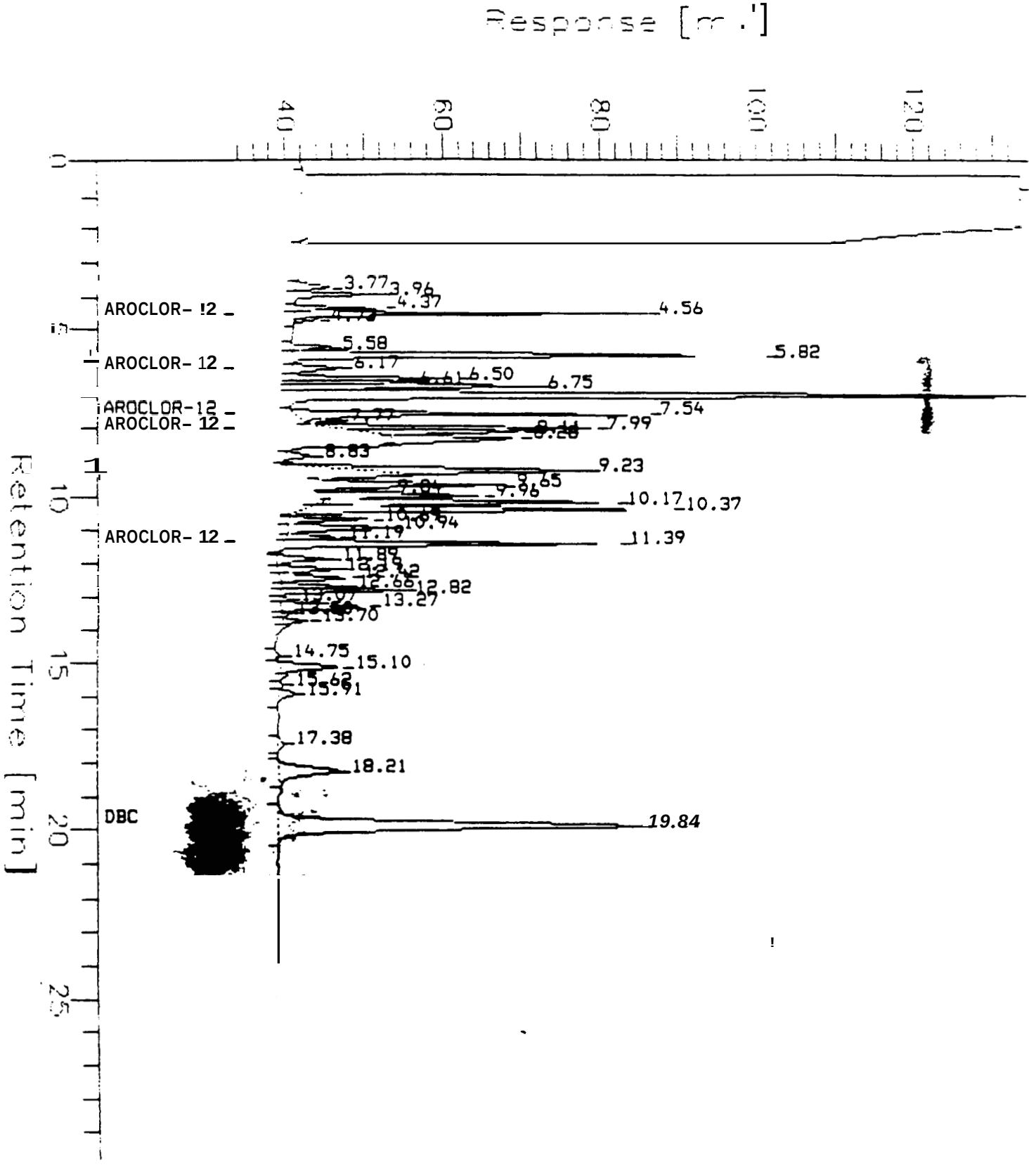
000420

FileName : C:\2700\DATA0\DP10018.raw
Start Time : 0.00 min
Scale Factor: [illegible]

End Time : 30.00 min
Plot Offset: 34 mV

Date : 4/9/91 8:31 PM
Low Point : 33.47 mV
Plot Scale: 100 mV

Page 1 of 1
High Point : 133.47 mV



3200820

Sample Name : PCB 1242 1.5 ug/ml Time : 4/9/91 9:06 PM
Sample Number: 4-283-7 Study :
Operator : LWM,RA

000421

Interface # : 20 Channel : B AID mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 8:33 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10019.raw
Result File : C:\2700\DATA0\DP10019.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1242608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1242 ON DB608

CONCENTRATION 1.5 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.729		38958660	929511	23859	42	38.0587
2	3.765		49205	6654	135226	7	0.0492
3	3.960		86328	15627	181022	6	0.0863
4	4.373		91423	16618	181766	6	9.0914
5	4.554	Aroclor-1242a	367217	62962	62962	6	1.0000
6	4.731		24337	4772	196099	5	0.0243
7	5.578		52225	7314	140040	7	0.0522
8	5.813		583409	83940	143879	7	0.5834
9	6.170	Aroclor-[illegible]	36513	9369	9369	7	1.0000
10	6.496		210849	30272	143561	7	0.2109
11	6.607		105823	21010	198534	5	0.1058
12	6.747		313242	44339	141550	7	0.3132
13	6.989		1159595	149032	128521	8	1.1596
14	7.540	Aroclor-1242c	483410	63165	63165	9	1.0000
15	7.770		28196	5556	197058	5	0.0282
16	7.992	Aroclor-1242d	292533	45845	45845	6	1.0000
17	8.105		138614	27390	197597	5	0.1386
18	8.275		172650	22553	130630	8	0.1727
19	8.827		39699	5337	134428	7	0.0397
20	9.230		321279	38635	120252	3	0.3213
21	9.354		283961	33336	117390	9	0.2840
22	9.940		55816	10950	196188	5	3.0558
23	9.963		168642	27535	163276	6	0.1686

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24	10.165		340830	52218	153209	7	0.3408
25	10.374		457880	64816	141557	7	0.4579
26	10.684		103439	15119	146167	7	0.1034
27	10.936		138140	18485	133811	8	0.1381
28	11.185		61446	9695	157779	6	0.0615
29	11.382	Aroclor-1[redacted]	434499	60635	60635	7	1.0000
30	11.884	[redacted]	77868	9839	126360	8	0.0779
31	12.186	[redacted]	81597	10644	130444	8	0.0816
32	12.420		88185	12379	146047	7	0.0882
33	12.655		78613	11395	151313	7	0.0786
34	12.817		163089	22910	140476	7	0.1631
35	13.072		10223	1635	164788	6	0.0102
36	13.371		113723	16204	136486	7	0.1137
37	13.495		6263	1104	132150	6	0.0061
38	13.694		33797	5040	149171	7	0.0338
39	14.748		9686	1121	115762	9	0.0097
40	15.091		100759	11525	114387	9	0.1008
41	15.620		6524	738	113198	9	0.0065
42	15.909		37110	3243	97391	11	0.0371
43	16.624		7090	392	55342	18	0.0071
44	18.206		176012	11418	64870	15	0.1760
45	19.341	DBC	1175875	67334	1347675	18	0.0500
			47763076	2073715			49.9910

Group Report For : 1242

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.554	Aroclor-1242a	367217	62962	62962	6	1.0000
9	6.170	Aroclor-1242b	68513	9369	9369	7	1.0000
14	7.540	Aroclor-1242c	483410	63165	63165	8	1.0000
16	7.992	Aroclor-1242d	292533	45845	45845	6	1.0000
29	11.382	Aroclor-1242e	434499	60635	60635	7	1.0000
			1646171	241977			5.0000

Report Stored in ASCII Filer C:\2700\DATA0\DP10019.TXO

3200823

Chromatogram

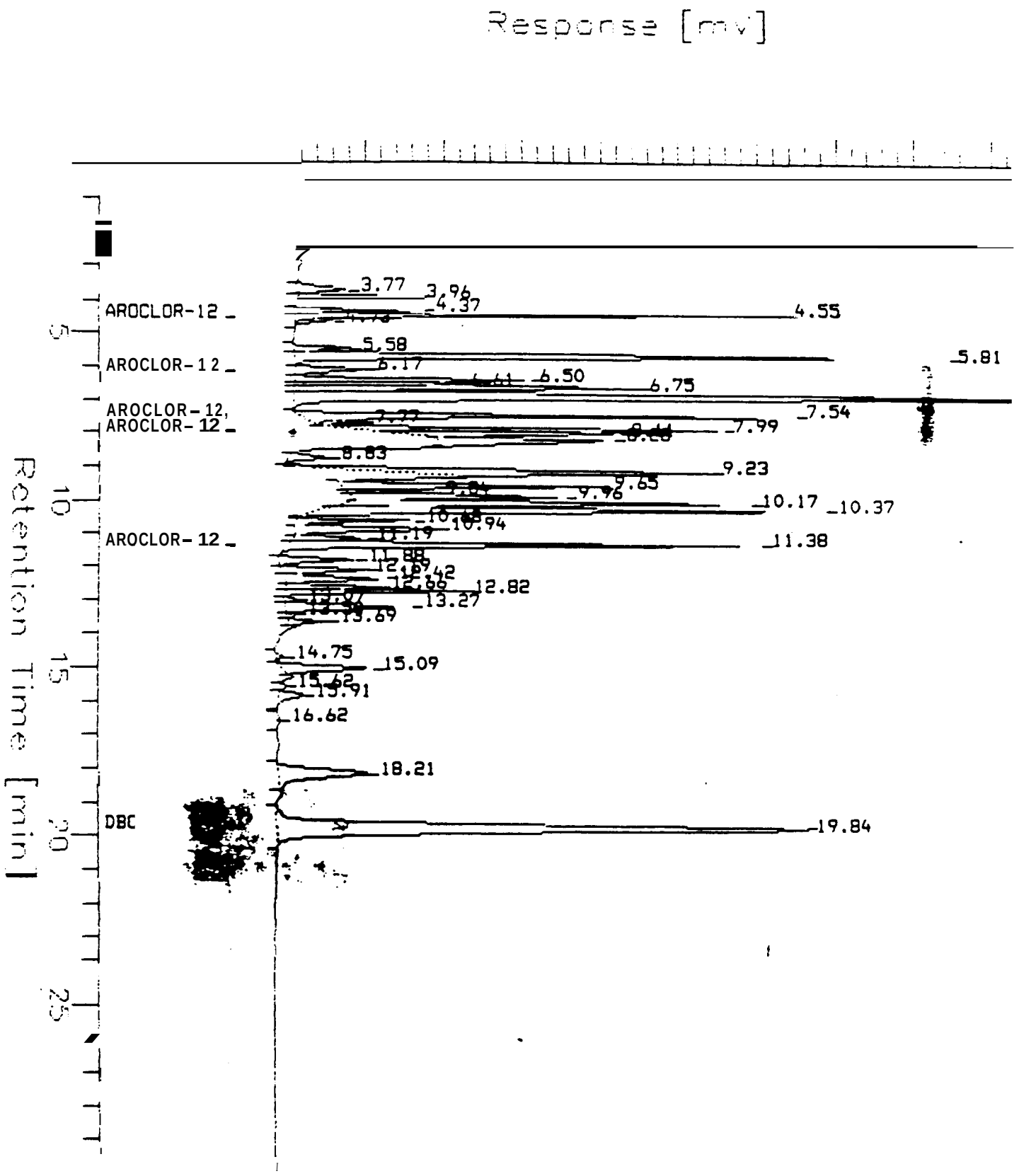
000423

FileName : C:\2700\DATA0\DP10019.raw
Start Time : 0.00 min
Scale Factor: [illegible]

End Time : 30.00 min
Plot Offset: 34 mV

Date : 4/9/91 9:06 PM
Low Point : 33.46 mV
Plot Scale: 100 mV

Page 1 of [illegible]
High Point : 133.45 mV



Sample Name : PCB 1242 2.0 ug/ml Time : 4/9/91 09:01 PM
Sample Number: 5-283-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acguisition Timet 4/9/91 9:08 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10020.raw
Result File : C:\2700\DATA0\DP10020.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1242608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1242 ON DB608

CONCENTRATION 2.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
	3.764		45126272	929320	20595	59	45.1263
2	3.767		63328	0471	133765	9	0.3633
3	3.961		110994	19925	179512	6	0.1110
4	4.374		116589	21129	181229	6	0.1166
5	4.556	Aroclor-1242a	462319	78762	78762	6	1.0000
6	4.732		31455	6193	196885	5	0.0315
7	5.579		67454	9381	139070	7	0.0675
9	5.616		[illegible]72	103518	142026	7	0.7289
9	6.171	Aroclor-[illegible]	[illegible]17	12056	12056	7	1.0000
10	6.497		267090	38627	144620	7	3.2671
11	6.608		[illegible]33	26671	198398	5	6.1344
12	5.149		376198	55591	140311	[illegible]	0.3962
13	6.991		1452239	187070	128815	8	1.4522
14	7.540	Aroclor-1242c	608174	78866	78866	8	1.0000
15	7.770		36460	7104	194852	5	0.0365
16	7.994	Aroclor-1242d	367075	57623	57623	6	1.0000
17	8.107		174169	33682	183390	5	0.1742
18	8.279		221354	29369	133163	8	0.2214
19	8.929		51708	6901	133459	8	0.0517
20	9.329		401009	48163	120103	8	0.4010
21	9.556		360757	42098	116694	9	0.3608
22	9.840		69443	13720	197579	5	0.0694
23	9.961		212700	34361	151546	6	0.2127

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24	10.167		424635	64487	151866	1	0.4246
25	10.374		574825	01407	141621	7	0.5748
26	10.683		131571	19279	146531	7	0.1316
27	10.936		182363	23612	129477	8	0.1824
28	11.197		85831	13064	152204	7	0.0858
29	11.382	Aroclor-1[redacted]	563461	7722	77252	1	1.0000
30	11.885		106311	12537	124983	3	0.1063
31	12.190		106027	13637	133619	3	0.1060
32	12.420		114269	15629	145520	7	0.1143
33	12.657		101313	15125	149282	7	0.1013
34	12.317		209066		139541		0.2091
35	13.070		13238	2193	165652	5	0.0132
36	13.272		151574	20504	135276	7	0.1516
37	13.497		9506	1604	168757	5	0.0095
38	13.694		51708	7142	138129	7	0.0517
39	13.876		10599	1851	174600	6	0.0106
40	14.750		12948	1473	114615	3	0.0129
41	15.100		130660	14872	113822	9	0.1307
42	15.613		8392	944	112441	9	0.0084
43	15.912		46692	4201	86279	12	0.0487
44	16.631		9454	511	54073	19	0.0095
45	17.390		22647	1720	75933	13	0.0227
46	18.203		231383	14792	63930	16	0.2314
47	19.843	DBC	1544223	89444	1788885	17	0.0500
			56387512	2375053			57.8034

000425

Group **Report For : 1242**

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.556	Aroclor-1242a	462319	78762	78762	6	1.0000
9	6.171	Aroclor-1242b	88817	12056	12056	7	1.0000
14	7.540	Aroclor-1242c	608174	78866	78866	9	1.0000
16	7.994	Aroclor-1242d	367075	57623	57623	6	1.0000
29	11.382	Aroclor-1242e	563461	77252	77252	7	1.0000
			2089847	304558			5.0000

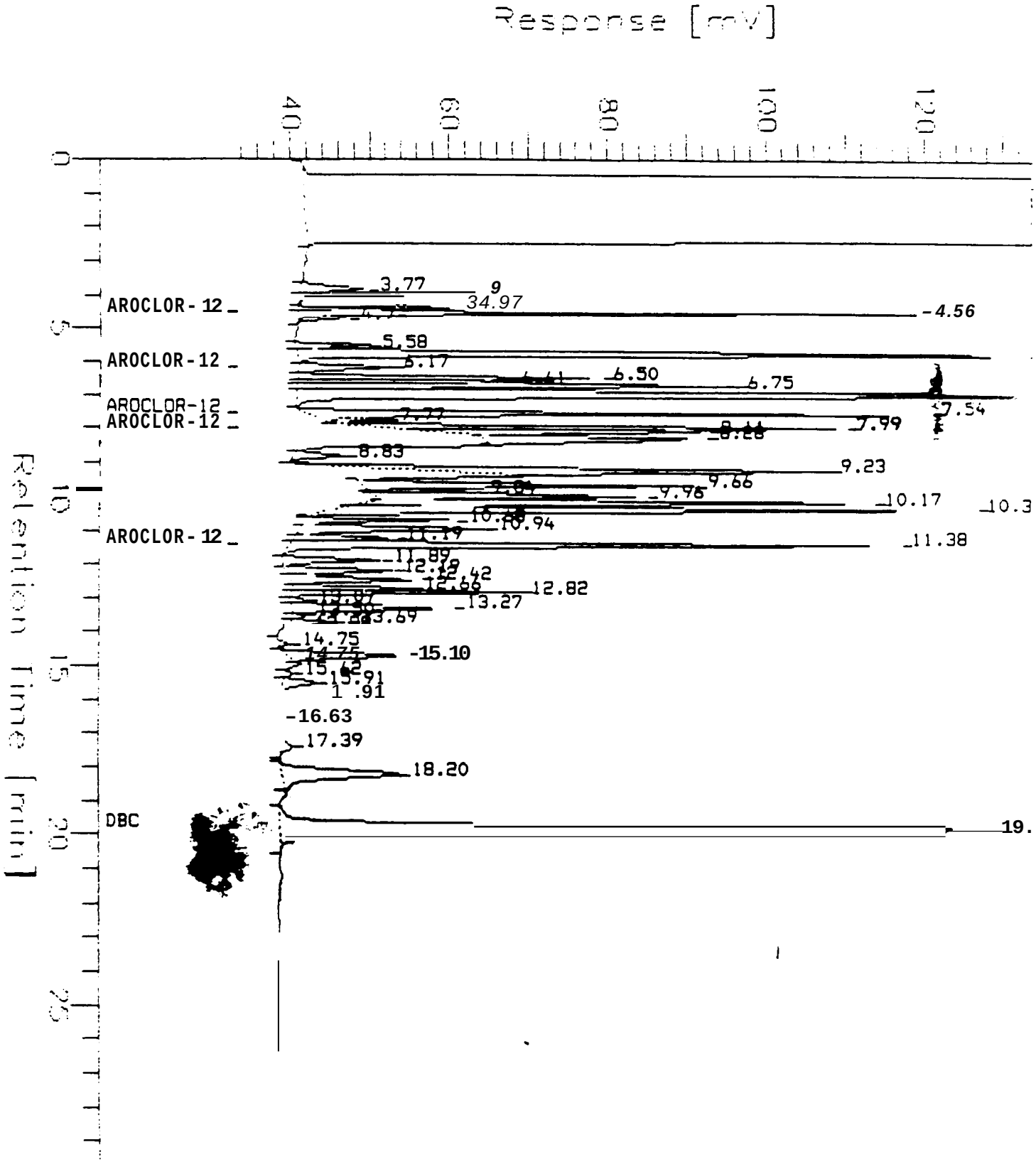
Report **Stored in ASCII Filer** C:\2700\DATA0\DP10020.TXO

Chromatogram

000426

FileName : C:\2700\DATA0\DP10020.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 34 mV

Date : 4/9/91 9:41 PM
Low Point : 33.54 mV
High Point : 133.54 mV
Plot Scale: 100 mV



3200831

Sample Name : PCB 1248 .25 ug/ml Time : 4/9/91 10:16 PM
Sample Number: 1-284-7 Study :
Operator : LWM,RA

000427

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 9:43 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10021.raw
Result File : C:\2700\DATA0\DP10021.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1248608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1248 ON DB608

CONCENTRATION .25 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.554		7146449	927976	129851	8	7.1465
2	0.613		723180	84768	117216	9	0.7232
3	1.390		38209	5005	130979	8	0.0382
4	4.556		5191	1018	196054	8	0.0052
5	5.817	Aroclor-1248	67672	10727	1[illegible]	6	1.0000
6	6.498		16746	3067	183120	6	0.0168
7	6.755	Aroclor-1248	[illegible]	2729	2729	5	1.0000
8	6.992		[illegible]	29833	135996	7	0.2194
9	7.541		[illegible]	8159	157960	6	0.0517
10	7.773		[illegible]	1663	188192	5	0.0088
11	8.109		[illegible]	11158	108547	9	0.1028
12	8.278		[illegible]	10212	116136	9	0.0879
13	8.831		8601	1301	151992	7	0.0086
14	9.233		85410	12760	148396	1	0.0854
15	9.657		109240	12341	112972	9	0.1092
16	9.962		110364	13358	121036	8	0.1104
17	10.167	Aroclor-1248c	147813	21111	21111	7	1.0000
18	10.377		178928	25246	141095	7	0.1789
19	10.684		33473	5031	150315	7	0.0335
20	10.941		47489	6433	135464	?	0.0475
21	11.187	Aroclor-1248d	29705	4408	4408	7	1.0000
22	11,385		153238	21565	140730	7	0.1532
23	11.887		25232	3234	128165	8	0.0252

24	12.190		27839	3487	132440	8	0.0278
25	12.421		29391	4386	149227	7	0.0294
26	12.656		30486	4659	152814	7	0.0305
27	12.820		59757	8560	143248	7	0.0598
28	13.271		45365	6429	141718	7	0.0454
29	13.698		10373	1640	158113	6	0.0104
31	15.098		40537	4635	114349	9	0.0405
32	15.916		8183	893	109103	9	0.0082
33	17.394		8747	693	79267	13	0.0088
34	18.211		33540	3082	62059	16	0.0335
35	19.416	~~DBC~~ LM 4-10-91	14317	1106	11057	13	0.1000
36	19.842	DBC LM 4-10-91	208680	11978	57400	17	0.2087
37	23.473		5737	351	61175	16	0.0057
			9935067	1274208			13.7610

000428

Group Report For : *1248*

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	5.817	Aroclor-1248a	67672	10727	10727	6	1.0000
7	6.755	Aroclor-1248b	14099	2729	2729	5	1.0000
17	10.167	Aroclor-1248c	147813	21111	21111	7	1.0000
21	11.189	Aroclor-1248d	29705	4408	4408	7	1.0000
			259289	38976			4.0000

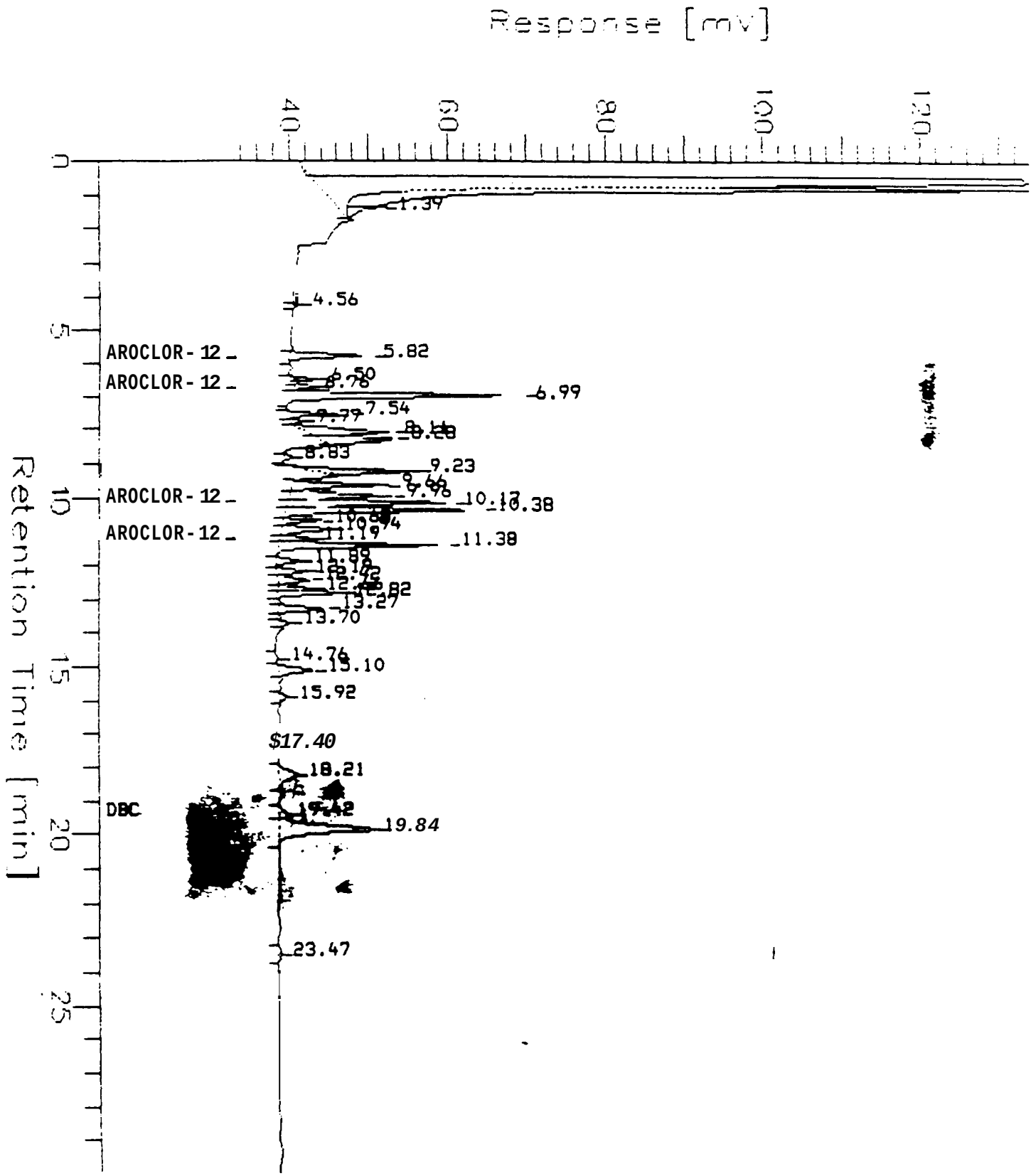
Report Stored in ASCII File: C:\2700\DATA0\DP10021.TXO

3200832

Chromatogram

000429

FileName : C:\2700\DATA0\DP10021.raw : 4/9/91 10:16 PM
Start Time : 0.00 min End Time : 30.00 min Low Point : 33.29 mV High Point : 133.29 mV
Scale Factor: e Plot Offset: 33 mV Plot Scale: 100 mV



Sample Name : PCB 1248 ~~1.0~~ 0.5 ug/ml Time : 4/9/91 11:18 PM
Sample Number: 6-284-7 Study : 000430
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 10:44 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10023.raw
Result File : C:\2700\DATA0\DP10024.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1248608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1248 ON DB608

CONCENTRATION ~~1.0~~ 0.50 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.563		7705842	928289	120466	8	7.7058
2	0.807		601221	62253	103545	10	0.6012
3	4.553		9544	1827	191481	5	0.0095
5	5.813	Aroclor-1248a	127379	19679	19679	7	1.0000
6	6.160		5900	938	159042	b	0.0059
7	6.494		62494	7651	122421	8	0.0625
8	6.751	Aroclor-1[illegible]	[illegible]	6728	6728	7	1.0000
9	6.989		[illegible]	54757	131608	8	0.4161
10	7.539		[illegible]	15317		6	0.0974
11	7.771		17482	3257	186285	5	0.0175
12	8.107		190495	20151	105782	10	0.1905
13	8.278		154514	17538	113501	9	0.1545
14	8.827		17132	2569	149966	7	0.0171
15	9.229		156831	22902	146027	7	0.1568
16	9.650		206406	22720	110072	9	0.2064
17	9.960		207871	24404	117400	9	0.2079
18	10.163	Aroclor-1248c	266253	37802	37802	7	1.0000
19	10.374		329207	45173	140254	7	0.3292
20	10.682		64009	7607	150096	7	0.0640
21	10.937		90512	12013	132723	8	0.0905
22	11.185	Aroclor-1248d	56596	8463	8463	7	1.0000
23	11.381		289421	40404	139604	7	0.2894
24	11.884		49186	6345	129004	8	0.0492

3200853

25	12.185		54966	7176	130547	8	0.0550
26	12.417		56703	8447	148961	7	0.0567
27	12.655		60672	9148	150781	7	0.0607
28	12.814		113656	16039	141118	7	0.1137
29	13.068		5942	1002	168579	6	0.6059
30	13.270		90878	12609	138745	7	3.0909
32	13.695		25384	3611	142244	7	0.0254
33	13.874		8375	1404	167617	6	0.0084
34	14.748		6473	763	117889	9	0.0065
35	15.391		80524	9105	113065	9	0.0805
36	15.910		16445	1774	137948	9	0.0165
37	16.488		6362	445	69863	14	0.0064
38	17.337		14857	1095	73725	14	0.0149
39	18.201		64810	3997	61676	16	3.0648
40	19.405	~~DBC~~ LM 4-10-91	29268	2181	21807	13	0.1000
41	19.840	DBC LM 4-10-91	451198	22838	56882	18	0.4015
42	22.684		6447	386	59917	17	9.3365
43	23.458		14505	807	55650	18	0.0145
44	29.367		12077	495	40982	24	0.0121
			12235748	1475108			15.8121

000431

Group Report For : *1248*

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	5.813	Aroclor-1248a	127379	19679	19679	7	1.0000
8	6.751	Aroclor-1248b	44128	6728	6728	7	1.0000
18	10.163	Aroclor-1248c	266253	37802	37802	7	1.0000
22	11.185	Aroclor-1248d	56596	8463	8463	7	1.0000
			494356	72673			4.0000

Report Stored in ASCII File: C:\2700\DATA0\DP10023.TXO

Chromatogram

000432

File : C:\2700\DATA0\D910023.raw
Start : [illegible]
Scale Factor : [illegible]

End Time : 30.00 min
Plot Offset: 34 mV

Date : 4/9/91 11:18 PM
Low Point : 33.50 mV
Plot Scale: 100 mV

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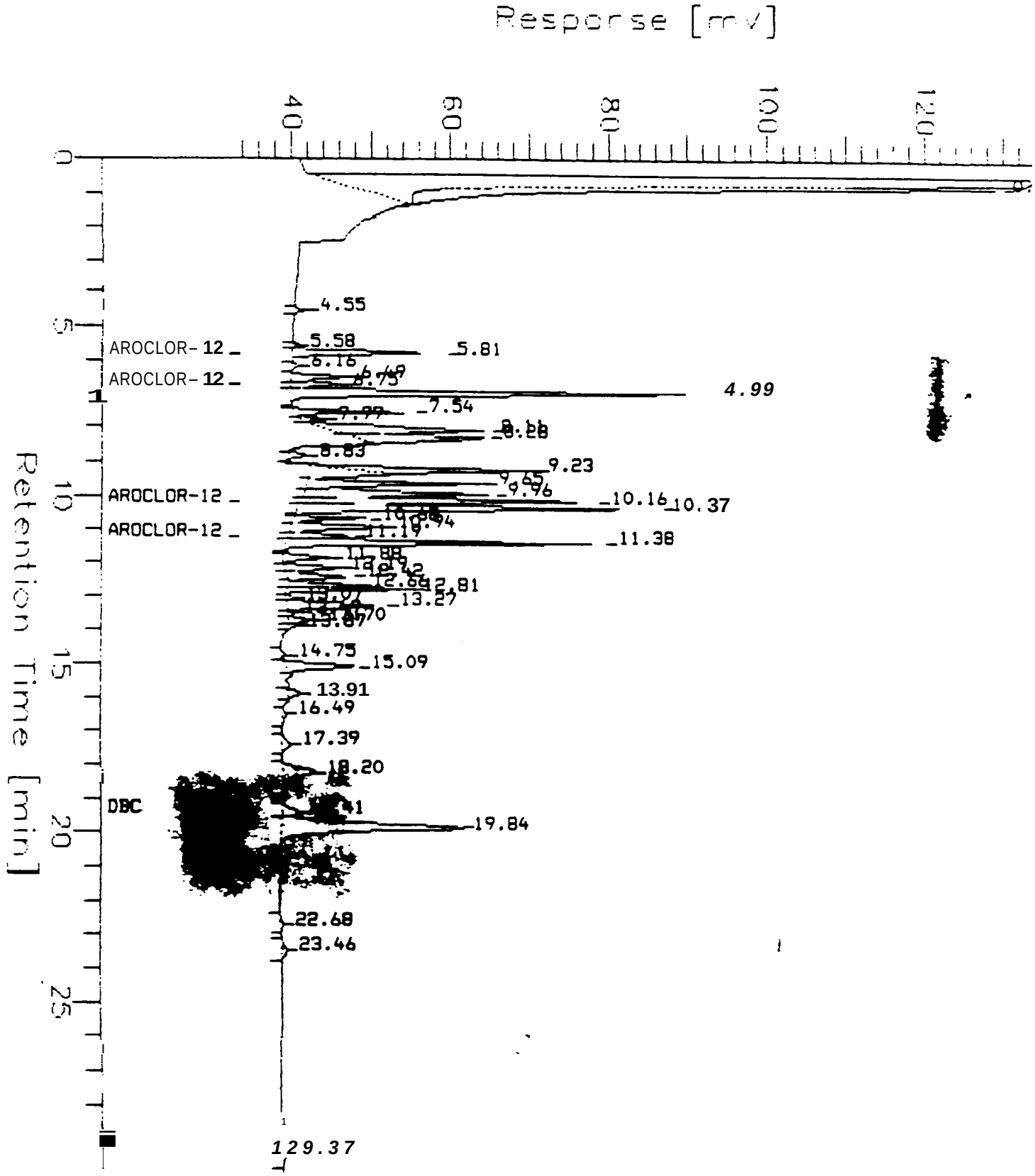
High Point : 133.50 mV



3200854

Sample Name : PCB 1248 1.0 ug/ml Time : 4/10/91 4:45 AM
Sample Number: 6-284-7 Study : 000433
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Timer 4/9/91 11:22 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10024.raw
Result File : C:\2700\DATA0\DP10024.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1248608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1248 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.571		8619179	927776	107641	9	3.6192
2	0.808		924944	108031	116795	9	0.9250
3	4.557		19206	3652	190160	5	0.0192
4	5.586		9494	1559	164164	6	0.0095
5	5.816	Aroclor-1248a	238577	36092	36092	7	1.0000
6	6.164		12340	1896	153661	7	0.0123
7	6.497		[illegible]	14895	119000	8	0.1252
8	6.754	Aroclor-[illegible]	[illegible]160	12887	12887	7	1.3000
9	6.991		74[illegible]161	97788	130530	8	0.7492
10	7.541		18[illegible]773	28119	154693	7	0.1818
11	7.774		33471	6118	182778	6	0.0335
12	8.000		104212	20009	192004	5	0.1042
13	3.109		237215	35259	148639	7	0.2372
14	8.279		273682	31501	115099	9	0.2737
15	9.830		34431	5164	149994	7	0.0344
16	9.231		280729	40694	144960	7	0.2807
17	9.654		381396	42511	111463	9	0.3814
18	9.962		379164	44044	116521	9	0.3782
19	10.167	Aroclor-1248c	471532	66961	66961	7	1.0000
20	10.375		591630	32196	138930	7	0.5916
21	10.686		120837	17610	145733	7	3.1208
22	10.943		168221	21924	130328	8	0.1682
23	11.187	Aroclor-1248d	108953	15789	15789	7	1.0000

000434

24	11.384		526975	73549	139569	7	3m
25	11.889		95213	11945	125453	8	0.0952
26	12.189		104926	13601	129626	8	0.1049
27	12.422		109074	16102	147627	7	0.1091
28	12.657		112696	16656	149569	7	0.1127
29	12.818		214125	30050	140340	I	0.2141
30	13.068		12049	2000	165755	6	0.0121
31	13.272		169235	23080	136321		0.1692
32	13.496		9433	1715	131770		0.0094
33	13.698		49383	7017	142099	,	0.0494
34	13.877		16639	2708	162377	5	0.0167
35	14.749		13323	1539	115480	7	0.0133
36	15.099		154941	17201	111920	8	0.1549
37	15.613		6163	812	131754	8	0.0062
38	15.914		29420	3190	108427	9	0.0294
39	16.487		11985	867	72320	14	0.0120
40	17.353		6362	440	69186	15	0.0064
41	18.211		144701	8177	56510	18	0.1447
42	18.858		18088	1095	60526	17	0.0181
43	19.419	~~DBC~~ LM 4-10-91	58527	4322	43222	14	0.1000
44	19.844	DBC LM 4-10-91	789346	45555	57725	17	0.7894
45	22.696		18559	988	53221	19	0.0186
46	23.448		42260	1861	44032	E3	0.0423
47	28.543		7459	318	42562	24	0.0075
48	29.398		25575	1011	39545	25	0.0256
			16895996	1948504			20.0333

Group **Report For : 1248**

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	5.816	Aroclor-1248a	238577	36092	36092	7	1.0000
8	6.754	Aroclor-1248b	85160	12887	12887	7	1.0000
19	10.167	Aroclor-1248c	471532	66961	66961	7	1.0000
23	11.167	Aroclor-1248d	108953	15789	15789	7	1.0000
			904223	131729			4.0000

Report Stored in ASCII File: C:\2700\DATA0\DP10024.TXO

3200835

Chromatogram

FileName : C:\2700\DATA0\DP10024.raw
Start Tim : 0.[illegible]in
Scale Factor: [illegible]
End Time : 30.00 min
Plot Offset: 34 mV
Date : 4/10/91 4:45 AM
Low Point : 33.53 mV
Plot Scale: 100 mV
High Point : 133.53 mV

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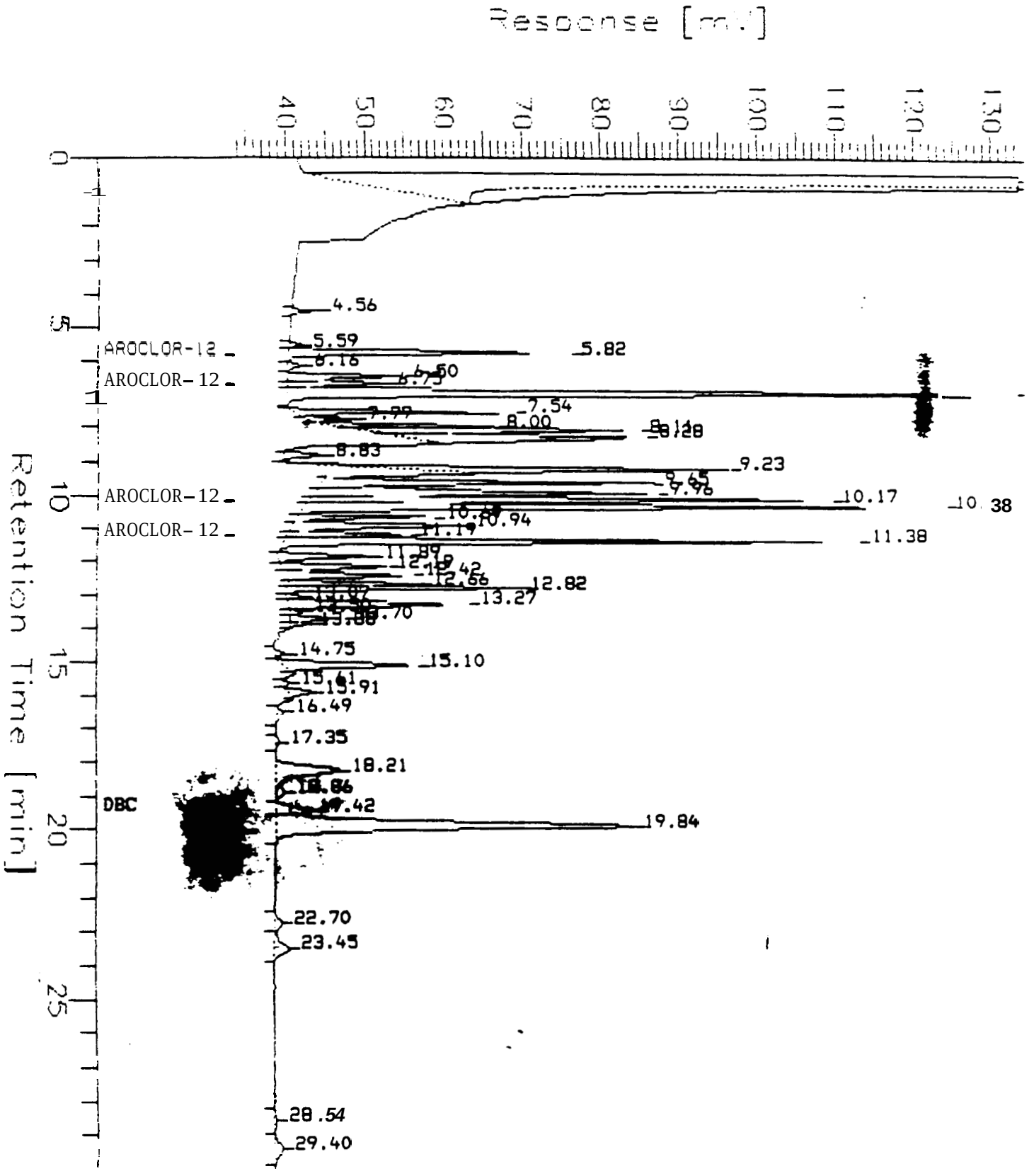

Sample Name : PCB 1248 1.5 ug/ml
Sample Number: 4-284-7
Operator : LWM,RA

Time : 4/10/91 4:46 AM
Study

000436

Interface # : 20 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/9/91 11:57 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10025.raw
Result File : C:\2700\DATA0\DP10025.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1248608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1248 ON DB608

CONCENTRATION 1.5 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.579		8252000	879096	106531	9	8.2520
2	4.558		28411	5338	187873	5	0.0284
3	5.587		13745	2250	164299	b	0.0139
4	5.816	Aroclor-1248a	332496	55312	50312	7	1.0000
5	6.164		17877	2776	55289	6	0.0179
6	6.498		176219	23914	118684	8	0.1762
7	6.754	Aroclor-1248b	121783	18297	18297	7	1.0000
8	6.992		1044677	136146	130099	a	1.0465
9	7.541		257978	39412	153071	7	0.2575
10	7.774		47201	8680	183591	5	0.0473
11	8.000		160062	28669	179112	6	0.1601
12	8.111		314119	48630	154814	7	0.3141
13	8.281		381616	42445	111225	9	0.3816
14	8.832		49685	7389	148711	7	0.0497
15	9.233		635433	75279	118468	8	0.6354
16	9.360		159457	30934	193994	5	0.1595
17	9.656		535432	59491	111109	9	0.5354
18	9.964		532104	62319	112118	9	0.5321
19	10.167	Aroclor-1248c	654449	92456	92456	7	1.0000
20	10.375		327223	112794	136353	7	0.8272
21	10.626		168719	24570	145625	1	0.1687
22	10.940		235198	30465	129529	3	0.2352
23	11.188	Aroclor-1248d	154183	22190	22190	7	1.0000

3200860

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24	11.384		752526	103804	137941	7	0.7525
25	11.888		135819	17167	126396	8	0.1358
26	12.188		149623	19249	128651	8	0.1496
27	12.424		156594	22711	145031	7	0.1566
28	12.658		160274	24174	150827	7	0.1603
29	12.818		305064	41873	137258	7	0.3051
30	13.071		17710	2983	168448	6	0.0177
31	13.273		241337	32751	135705		0.2413
32	13.498		13547	2504	124814	8	0.0136
33	13.698		71503	10250	143352		0.0715
34	13.878		24428	3917	160354	6	0.0244
35	14.751		19620	2317	118097	9	0.0196
36	15.098		252786	26353	104251	10	0.2528
37	15.344		16938	2277	134450	7	0.0169
38	15.624		9024	1244	137805	7	0.0090
39	15.919		48388	5108	105554	10	0.0484
40	16.498		13303	1300	71048	14	0.0183
41	17.311		8663	556	64168	16	0.0087
42	18.214		213565	12008	56225	18	0.2136
43	18.342		28159	1634	58029	17	0.0282
44	19.414	~~DBC~~ LM 4-10-91	35444	6377	63770	13	0.1000
45	19.847	DBC LM 4-10-91	1159950	66581	57658	17	1.1600
46	22.390		28969	1501	51820	19	0.0290
47	23.459		66731	2839	42545	24	0.0667
48	28.550		13162	528	40076	25	3.9132
49	29.378		40403	1553	38427	26	0.0404
			19139976	2214717			21.8916

Group Report For : 1248

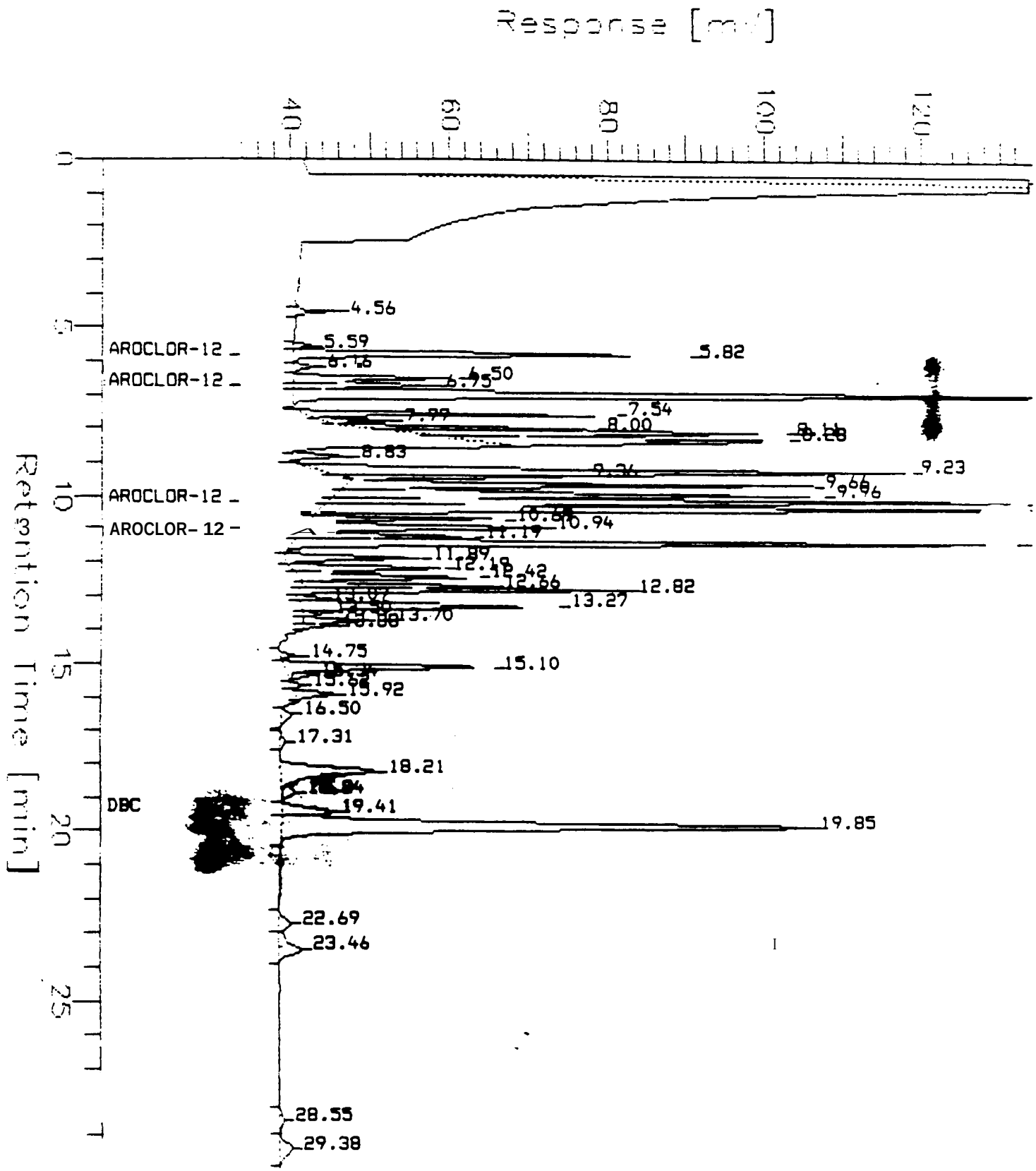
Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
4	5.816	Aroclor-1248a	332496	50312	50312	7	1.0000
7	6.754	Aroclor-1248b	121783	18297	18297	7	1.0000
19	10.167	Aroclor-1248c	654449	92456	92456	7	1.0000
23	11.188	Aroclor-1248d	154183	22190	22190	7	1.0000
			1262912	183255			4.0000

Report Stored In ASCII File: C:\2700\DATA0\DP10025.TXO

Chromatogram

FileName : C:\2700\DATA0\DP10025.raw
Start Time : 0.00 min
Scale Factor: 1
End Time : 30.00 min
Plot Offset: 34 mV
Date : 4/10/91 4:46 AM
Low Point : 33.65 mV
Plot Scale: 133 mV
High Point : 133.65 mV

000438



3200837

Sample Name : PCB 1248 2.0 ug/ml Time : 4/10/91 4:47 AM
Sample Number: 5-284-7 Study
Operator : LWM,RA

000439

Interface # : [illegible] Channel : B AID mV Range : 1000
AutoSampler : [illegible]one attached
Rack/Vial : [illegible]/0

Data Acquisition Time: *4110191* 12:32 AM
Delay Time : *0.00* min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10026.raw
Result File : C:\2700\DATA0\DP10026.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1248608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1248 ON DB608

CONCENTRATION 2.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	3.588		10711950	926445	36401	12	10.7120
2	3.799		1164527	89192	76591	13	1.1645
3	4.558		37279	7001	187797	[illegible]	0.0373
4	5.587		18434	3016	163627	6	0.0184
[illegible]	5.816	Aroclor-1248a	422968	63343	63343	7	1.0000
5	6.166		23433	3642	155412	6	0.0234
7	6.498		[illegible]53	26852	117537	9	3.2285
8	6.756	Aroclor-[illegible]	[illegible]612	23626	23626	1	1.0000
9	6.993		[illegible]189	171925	129638	8	1.3262
10	7.542		[illegible]169	50122	152269	7	3.3292
11	7.774		[illegible]746	11178	184006	[illegible]	0.0608
12	7.999		203651	36197	130688	6	0.2037
13	8.111		393493	60754	154396	7	0.3935
14	8.280		469741	52466	111692	9	0.4697
15	8.333		65294	9561	146427	7	0.0653
16	9.233		804849	94297	117161	9	0.3049
17	9.361		203577	39004	191592	5	0.2036
18	9.657		684833	76232	111314	3	0.6848
19	9.962		677788	77960	115021	9	0.6778
20	10.167	Aroclor-1248c	825380	116393	116099	[illegible]	1.0000
21	10.376		1048768	143372	136705	1	1.0488
22	10.684		215956	31559	146135	[illegible]	0.2160
23	10.743		299841	38827	129491	8	0.2998

24	11.190	Aroclor-1248d	197723	28438	28438	7	1.0000
25	11.384		958856	132031	137696	7	0.9589
26	11.887		175981	21864	124241	8	0.1760
27	12.188		193781	24864	128308	a	0.1938
28	12.422		202800	29739	146643	7	0.2028
29	12.660		206613	31072	150387	7	0.2066
30	12.820		392306	54297	138404	[illegible]	0.3923
31	13.069		24118	3910	162108	b	0.0241
32	13.274		310159	41629	13-217	3	0.3102
33	13.459		18549	3266	176074	c	0.0186
34	13.697		94376	13205	139913		0.0944
35	13.873		32148	5063	158123	b	0.0322
36	14.751		26039	3107	119330	8	0.0260
37	15.098		329144	34483	104767	10	0.3291
38	15.343		22425	3008	134158	3	0.0224
39	15.625		12020	1610	133960	a	0.0120
40	15.917		63324	6746	106534	9	0.0633
41	16.501		24784	1768	71336	14	0.0248
42	17.380		22091	1444	65376	15	0.0221
43	18.216		282537	15827	56018	18	0.2825
44	18.351		36147	2181	60323	1	0.0362
45	19.415	~~DBC~~ lm 4-10-91	116622	8369	83685	14	0.1000
46	19.351	DBC lm 4-10-91	1536346	39016	57940	17	1.5364
47	22.698		39595	2008	50699	20	0.0396
48	23.458		90214	3802	42148	24	0.0902
49	28.542		17623	702	39820	25	0.0176
50	29.394		54465	2076	38121	26	0.0545
			25855308	2718811			28.2344

000440

Group Report For : *1248*

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	5.516	Aroclor-1248a	422968	63343	63343	7	1.0000
8	6.756	Aroclor-1248b	157612	23626	23626	7	1.0000
20	10.167	Aroclor-1248c	825980	116099	116099	7	1.0000
24	11.190	Aroclor-1248d	197723	28438	28438	7	1.0000
			1604283	231506			4.0000

Report Stored [illegible] ASCII File: C:\2700\DATA0\DP10026.TXO

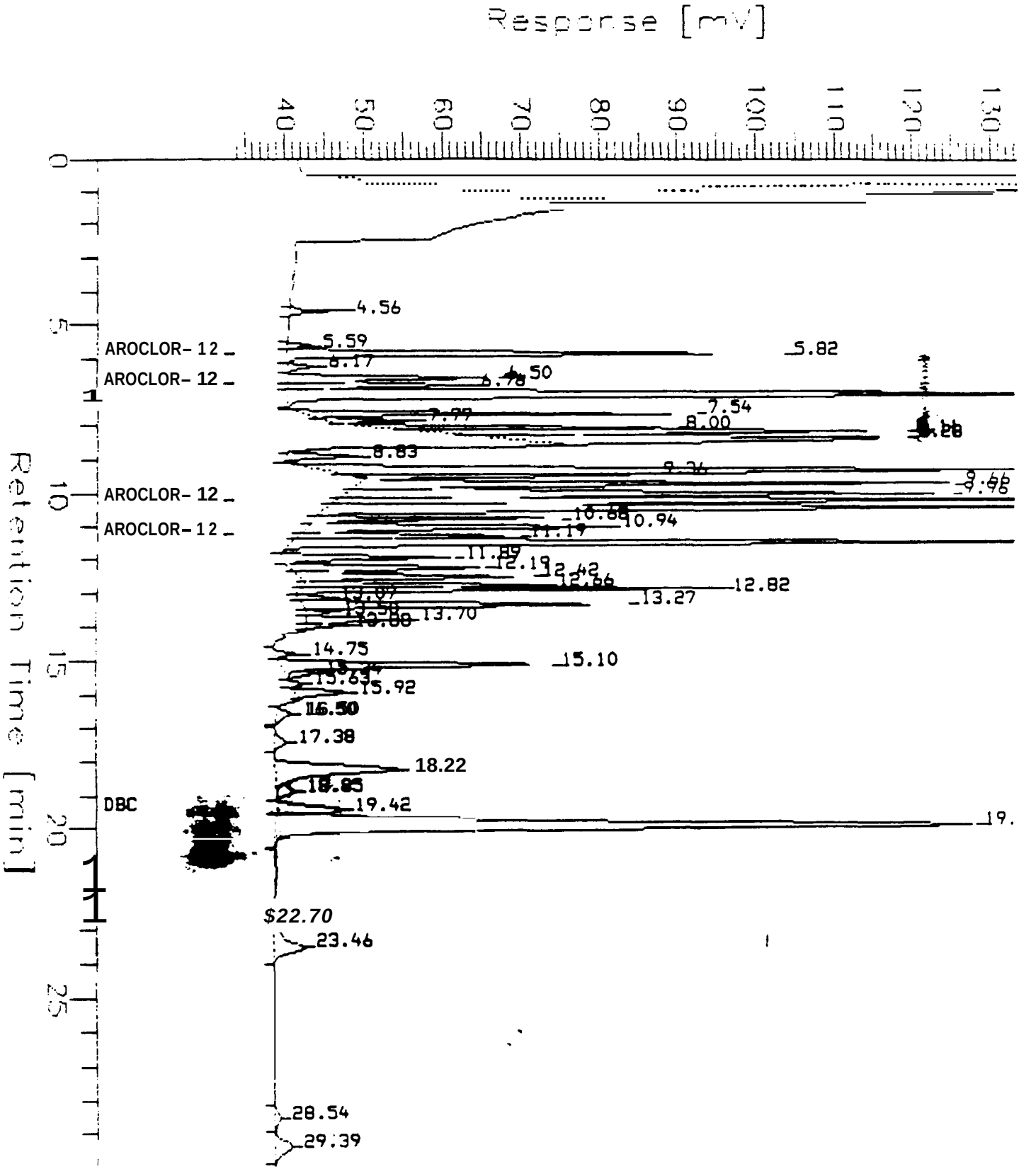
3200863

Chromatogram

000441

Page 1 of 1

FileName : C:\2700\DATA0\DP10026.raw
Start Time : 0.00 min
Scale Factor:
End Time : 30.00 min
Plot Offset.: 34 mV
Date : 4/10/91 4:46 AM
Low Point : 33.63 mV
Plot Scale: 100 mV
High Point : 133.63 mV



Sample Name : PCB 1254 .25 ug/ml Time : 4/10/91 5:49 AM
Sample Number: 1-285-7 Study :
Operator : LUM,RA

000442

Interface # [redacted]0 Channel : 8 A/D mV Range : 1000
AutoSampler : [redacted]ne attached
Rack/Vial : [redacted]0

Data Acquisition Time: 4/10/91 1:07 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10027.raw
Result File : C:\2700\DATA0\DP10027.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1254608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1254 ON DB608

CONCENTRATION .25 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.554		6504193	936516	143987	7	6.5042
2	0.809		340011	35851	105440	10	0.3400
3	1.392		18871	4260	225751	4	0.0189
5	6.112		84675	12077	142621	7	0.0847
6	8.273	Aroclor-1254a	25292	3907	32396	7	0.1206
7	9.235		51165	6903	134925	7	0.0512
8	9.662	[redacted]		2240	134634	7	0.0166
9	9.965			2545	156979	6	0.0162
10	10.169		74769	10900	145787	7	0.0748
11	10.378		[redacted]1200	3223	152047	7	0.0212
12	10.686		162697	22164	136227	7	0.1627
13	10.937	Aroclor-1254b	1955[redacted]	249156	14638	8	1.7048
14	11.190		75240	10194	135492	7	0.0752
15	11.388		16233	2400	147862	7	0.0162
16	11.883		65477	8442	128936	8	0.0655
17	12.189		69356	9251	133387	8	0.0694
18	12.422		109674	15839	144421	7	0.1097
19	12.821	Aroclor-1254c	2516[illegible]74	31094	[illegible]2461	8	2.4953
20	13.091		25275	3642	144087	7	0.0253
21	13.272		139671	19977	143028	7	5.1397
22	13.499		54943	7837	142639	7	0.0549
23	13.880		79888	10797	135152	7	0.0799
24	14.186		6118	904	147760	7	0.0061

3200853

23	14.752		38737	4409	113809	9	0.0387
25	15.099		80647	9202	114102	9	0.0807
27	15.339		59976	6896	114972	9	0.0600
28	15.622		35592	3946	110858	9	0.0356
29	5.916	Aroclor-1254d	101933	15898	87	11	181.8182
30	16.624		35648	2005	56232	18	0.0357
31	18.235		37000	3444	66856	15	0.0370
32	18.538		65518	4483	68418	15	0.0655
33	18.810		45063	3228	71637	14	0.0451
34	19.423		38914	2653	68164	15	0.0389
35	19.850	DBC	214175	12137	436335	18	0.0278
36	22.724		5399	317	63198	16	0.0051
37	23.453		22848	1257	55023	18	0.0229
			9265926	1254791			194.5640

Group Report For : *1254*

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	8.273	Aroclor-1254a	25292	3907	32396	7	0.1206
13	10.937	Aroclor-1254b	195518	24956	14638	8	1.7048
19	12.821	Aroclor-1254c	251674	31094	12461	8	2.4953
29	15.916	Aroclor-1254d	101933	15898	87	11	181.8182
			654416	75855			186.1389

Report Stored in ASCII File: C:\2700\DATA0\DP10027.TXO

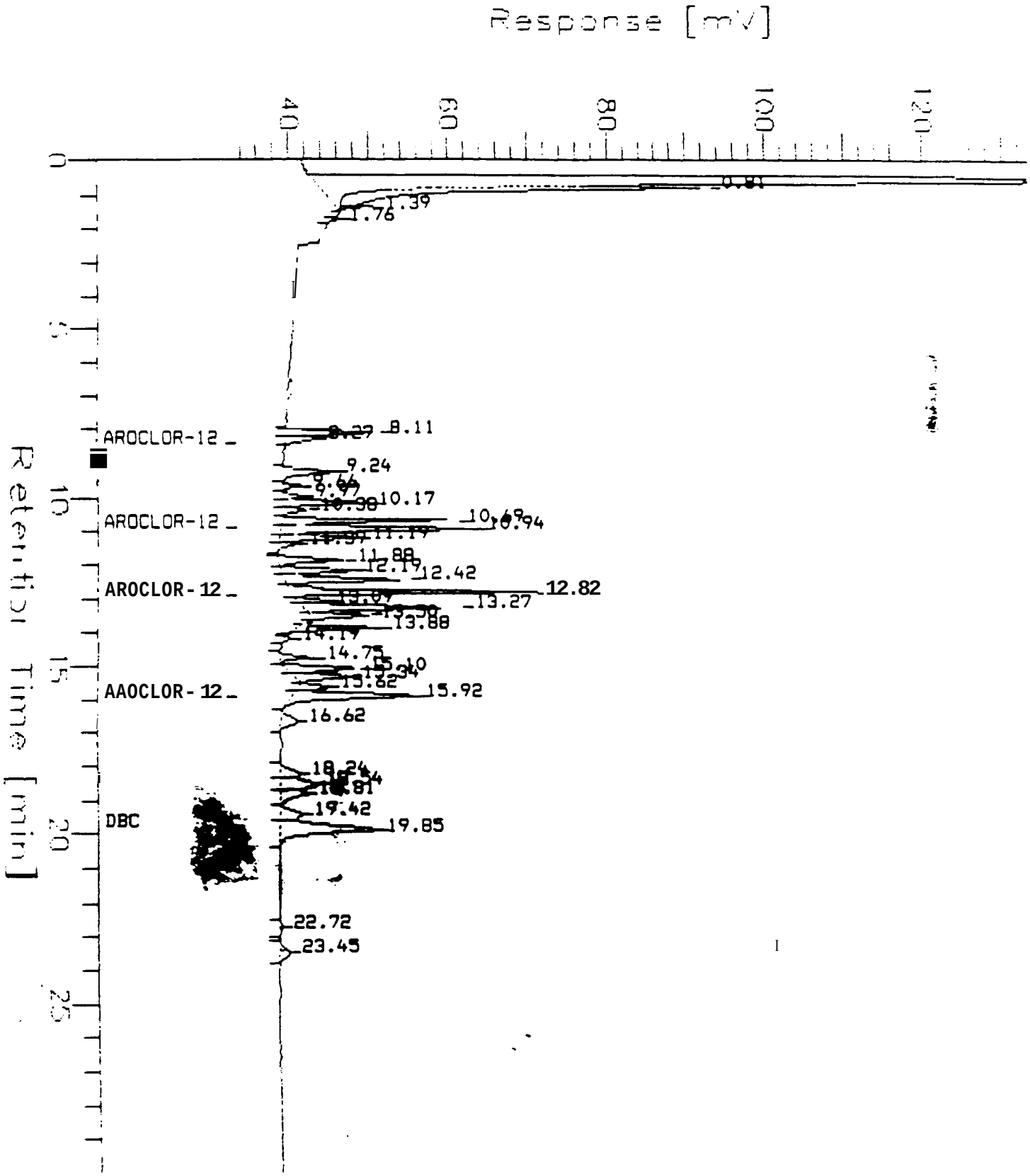
Chromatogram

000444

FileName : C:\2700\DATA0\DP10027.raw Date : 4/10/91 5:49 AM

Start Time : 0.00 min End Time : 30.00 min Low Point : 33.35 mV High Point : 133.35 mV

Scale Factor: -1 Plot Offset: 33 mV Plot Scale: 100 mV



3200840

Sample Name : PCB 1254 .50 ug/ml
Sample Number: 2-285-7
Operator : LWM,RA

Time : 4/10/91 5:50 AM
Study

000445

Interface # : [illegible]0
Channel : 8
A/D mV Range : 1000
AutoSampler : [illegible]ne attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 1:42 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10028.raw
Result File : C:\2700\DATA0\DP10028.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1254608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul
Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1254 ON DB608

CONCENTRATION .50 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.563		7443563	930861	125056	8	7.4436
2	0.807		700792	53562	76431	13	0.7008
3	1.391		72104	8247	114381	9	0.3721
4	3.111		162522	22602	139563	7	3.1625
5	3.271	Aroclor-1254a	45675	7204	32396	6	0.2224
6	9.235		99965	13487	134918	7	0.1000
7	9.663		[illegible]143	4309	134061	8	0.0321
8	9.964		[illegible]500	5070	155994	6	0.0325
9	10.169		[illegible]927	20610	143198	7	0.1439
10	10.377		41042	6084	149245	7	0.0410
11	10.685		304236	40852	134276	7	0.3042
12	10.934	Aroclor-1[illegible]	363947	45660	14638	8	3.1192
13	11.187		144856	19651	135658	7	0,1449
14	11.368		31793	4541	142820	7	0.0318
15	11.833		127827	16192	126669	8	0.1278
16	12.187		135745	17857	131548	8	0.1358
17	12.423		212763	30093	141439	7	0.2128
18	12.660		42887	3240	192126	5	3.0429
19	12.818	Aroclor-1254c	431399	58642	12461	7	4.7061
20	13.090		49358	6860	138988	7	0.0494
21	13.272		261254	37440	143337	7	0.2613
22	13.496		102265	14541	142186	7	0.1023
23	13.877		151244	20364	134643	7	0.1512

24	14.186		12406	1854	149447	7	0.0124
25	14.752		78784	8893	112879	9	0.0788
26	15.098		127752	15956	124894	8	0.1278
27	15.340		42882	6902	160962	6	0.0429
28	15.621		71225	7926	109862	9	0.0712
29	15.914	Aroclor-12[redacted]	353917	30195	166	12	181.8182
30	16.619		74957	4173	55677	18	0.0750
31	17.368		9516	615	64601	16	0.0095
32	18.248		75418	4967	55354	15	0.0754
33	18.539		134012	9072	67697	15	0.1340
34	18.813		93779	6820	72594	14	0.0938
35	19.423		81220	5461	67233	15	0.0812
36	19.844	DBC	423408	24330	442455	17	0.0550
37	22.715		11392	662	58113	17	0.0114
38	23.452		51232	2699	52679	19	0.0512
			12775704	1523279			201.0782

000446

Group Report For : ***1254***

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
5	8.271	Aroclor-1254a	45675	7204	32396	6	0.2224
12	10.934	Aroclor-1254b	323947	45660	14638	8	3.1192
19	12.813	Aroclor-1254c	431399	58642	12461	7	4.7061
29	15.914	Aroclor-1254d	353917	30195	166	12	181.8182
			1194938	141701			189.8658

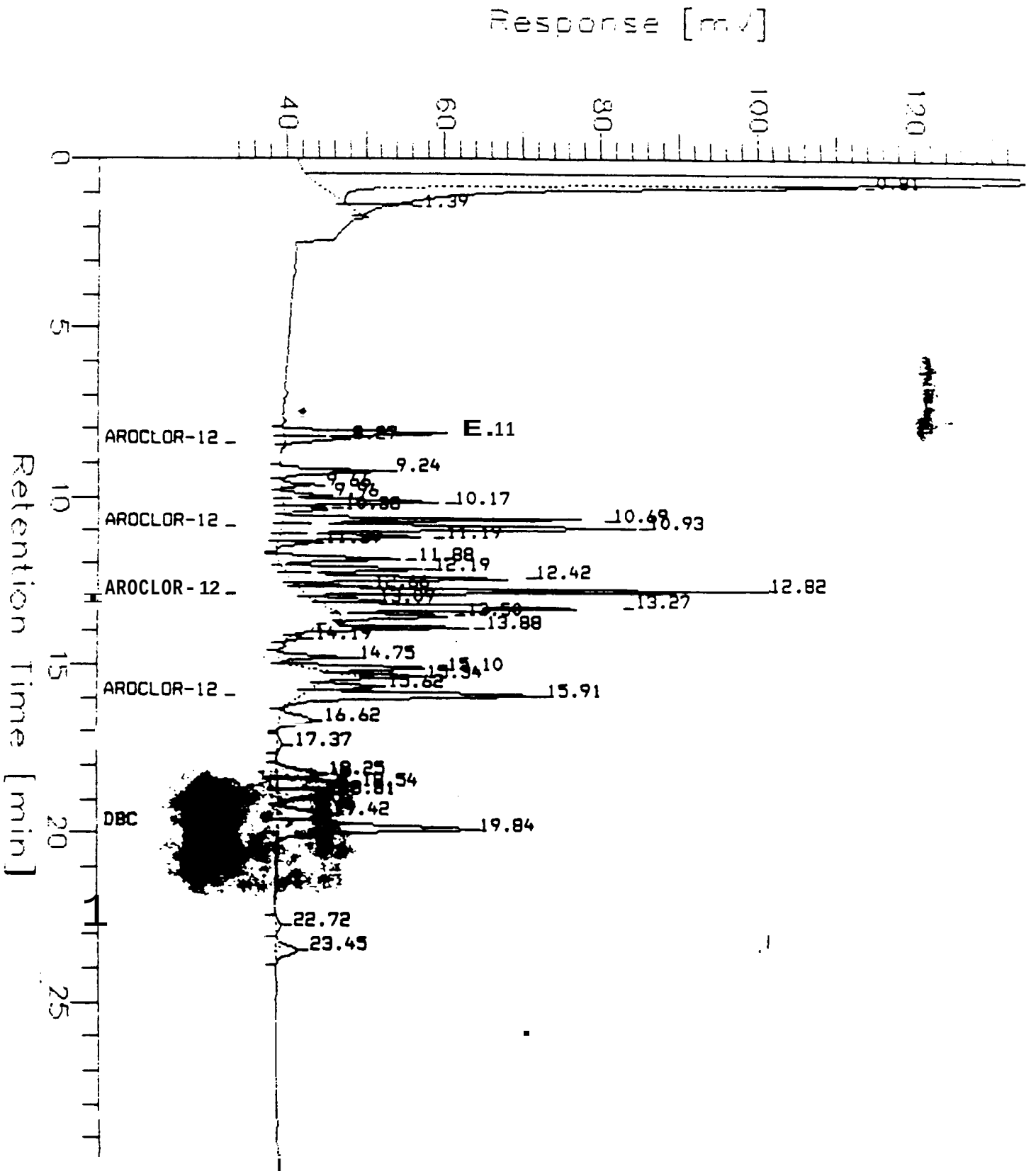
Report Stored in ASCII File: C:\2700\DATA0\DP10028.TXO

[redacted]

Chromatogram

000447

File Name : E:\2700\DATA0\DP10028.raw
Date : 4/10/91 5:50 AM
Start Time :
End Time : 30.00 min
Low Point : 33.54 mV
High Point : 133.54 mV
Scale Factor:
Plot Offset: 34 mV
Plot Scale: 100 mV



Sample Name : PCB 1254 1.0 ug/ml Time : 4/10/91 5:52 AM
Sample Number: 6-285-7 Study :
Operator : LWM,RA

000448

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 2:17 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10029.raw
Result File : C:\2700\DATA0\DP10029.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1254608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1254 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.571		7606014	096093	117802	9	7.6068
2	6.972		7037	1060	150608	7	0.0070
3	7.771		5090	795	156175	6	0.0051
4	5.112		300589	41290	137362	7	0.3006
5	8.269	Aroclor-1254a	95197	13003	E396	7	0.4014
6	9.236		189451	24937	131629	8	0.1895
7	9.665		63629	8499	133994	8	0.0634
8	9.764		63151	9683	153333	7	0.0632
9	10.168		264354	37481	141779	7	0.2644
10	10.379		78479	11688	148935	7	0.0785
11	10.686		543969	72348	133000	8	0.5440
12	13.935	Aroclor-1254b	646926	80470	14638	8	5.4972
13	11.189		267370	35561	133001	8	0,2674
14	11.390		60411	8762	145046	7	0.0604
IS	11.886		237516	29760	125296	8	0.2375
16	12.187		251810	32704	129876	8	0.2518
17	12.424		395977	55978	141368	7	0.3960
18	12.662		89097	15998	179538	6	0.0891
19	12.820	Aroclor-1254c	778572	106062	12461	7	8.5116
20	13.093		92292	12936	140160	7	0.0923
21	13.273		470042	65954	140316	7	0.4700
22	13.498		181584	25868	142455	7	0.1816
23	13.580		251705	36411	135004	7	0.2697

3200842

000449

24	14.189		24761	3548	144099	7	0.0248
25	14.424		8741	1392	159198	6	0.0087
26	14.755		153171	17128	111820	9	0.1532
27	15.096		309155	34746	112391	9	0.3092
28	15.342		218304	24175	110739	9	0.2183
29	15.624		134474	14559	108266	7	0.1345
30	15.915	Aroclor-1[illegible]	655159	55896	307	12	181.8182
31	16.634		140922	8305	55768	18	0.1409
32	17.309		12473	775	62102	16	0.0125
33	18.243		144572	9656	68170	15	0.1446
34	18.544		264696	17680	66793	15	0.2647
35	18.812		184101	13008	70657	14	0.1841
36	19.421		158816	10584	66546	15	0.1588
37	19.855	DBC	840049	48094	440840	18	0.1091
38	22.716		26741	1443	53957	19	0.0267
39	23.451		109408	5496	50236	20	0.1094
40	24.600		5431	300	55279	18	0.0054
41	29.361		6850	294	42843	23	0.0069
			16364694	1890640			209.6862

Group Report For : 1254

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	8.269	Aroclor-1254a	95197	13003	32396	7	0.4014
12	10.935	Aroclor-1254b	646926	80470	14638	8	5.4972
19	12.820	Aroclor-1254c	778572	106062	12461	7	8.5116
30	15.915	Aroclor-1254d	655159	55896	307	12	181.8182
			2175854	255431			196.2283

Report Stored in ASCII File: C:\2700\DATA0\DP10029.TXO

Chromatogram

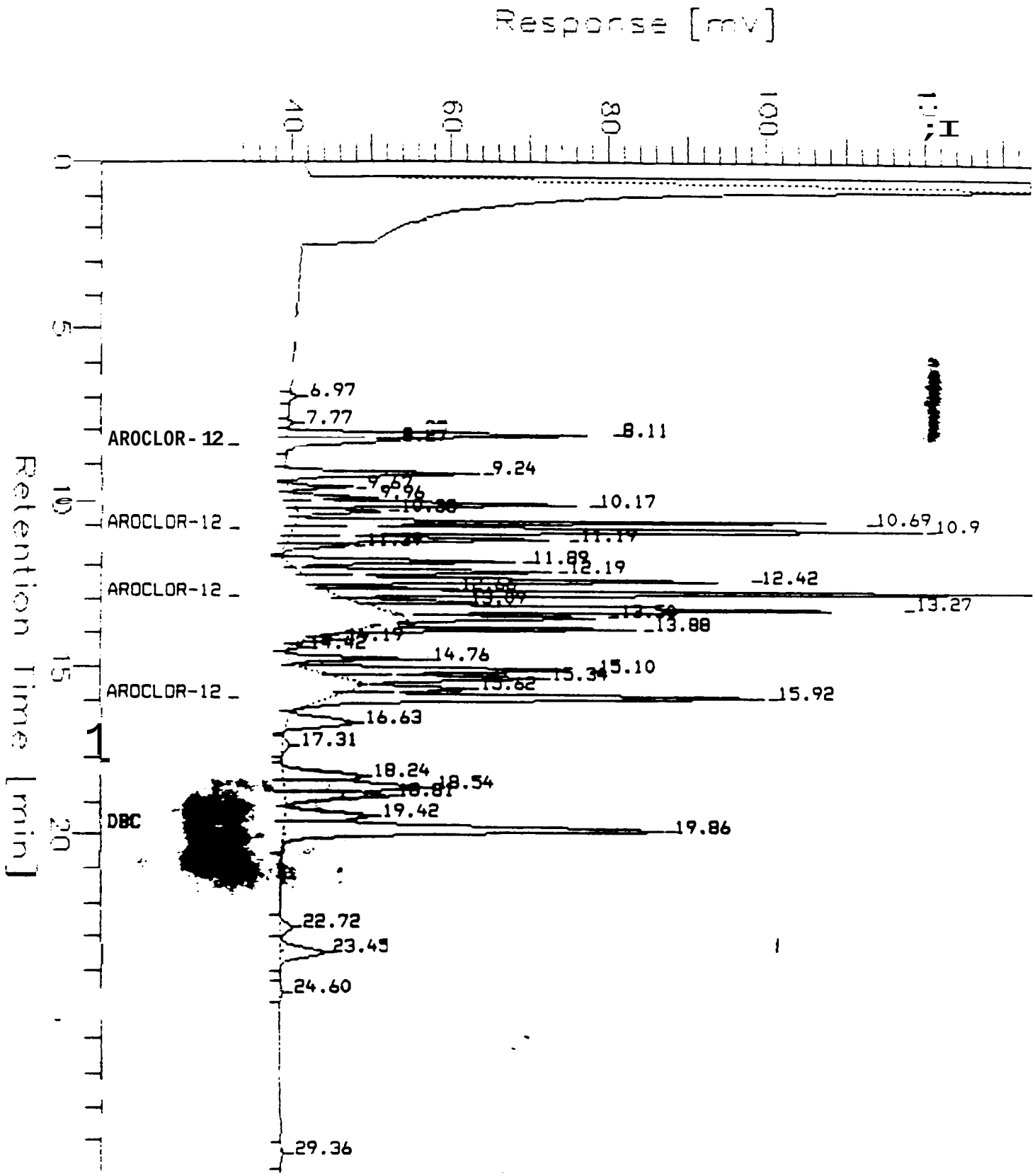
000450

FileName : C:\2700\DAT00\DP10029.raw
Start Time : [redacted] min
Scale Factor: [redacted]

End Time : 30.00 min
Plot Offset: 33 mV

Date : 4/10/91 5:52 AM
Low Point : 33.40 mV
Plot Scale: 100 mV

High Point : 133.40 mV



3200843

Sample Name : PCB 1254 1.5 ug/ml
Sample Number: 4-285-7
Operator : LWM,RA

Time : 4/10/91 5:53 AM
Study :

000451

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4110191 2:52 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10030.raw
Result File : C:\2700\DATA0\DP10030.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1254608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1254 ON DB608

CONCENTRATION 1.5 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF MEA	Amount [ug/ml]
1	0.579		9770747	925999	94773	11	9.7708
2	0.301		926270	74331	80247	13	3.9263
3	6.972		10096	1542	152761	7	0.0101
4	7.774		7230	1135	156957	6	0.0072
5	3.111		400055	54499	136228	7	0.4001
6	8.268	Aroclor-1254a	110013	16885	32396	7	3.5212
7	9.234		[illegible]	34182	131864	8	0.2592
8	9.663		[illegible]	11803	132868	6	0.0888
9	9.966		[illegible]	13322	152637	7	0.0873
10	10.168		354012	50302	141292	7	0.3560
11	10,377		[illegible]	15940	148572	7	0.1073
12	10.685		724621	95406	131663	8	0.7246
13	10.934	Aroclor-1254b	860757	106370	14630	E	7.2665
14	11.188		360430	47864	132797	6	0.3604
15	11.386		81546	12069	147998	7	0.0816
16	11,865		322125	39408	123578	6	0.3221
17	12.138		3 4 w	44091	129495	8	0.3405
18	12.421		535197	75109	140340	7	0.5352
19	12.661		122806	21472	174843	6	0.1228
20	12.820	Aroclor-1254c	1045504	141160	12461	7	11.3282
21	13.039		124080	17288	133325	7	0.1241
22	13.272		627086	87473	139431	7	0.6271
23	13.497		239663	34444	143718	7	0.2397

24	13.880		357572	47750	133562	8	0.3576
25	14.188		33638	4953	147258	7	0.0336
26	14.422		12793	2007	156880	6	0.0128
27	14.750		212780	23715	111455	9	0.2128
28	15.097		428433	47727	111399	9	0.4284
29	15.338		295736	32933	111360		0.2957
30	15.619		184372	19970	103314	9	0.1844
31	15.910	Aroclor-1254d	888816	75616	416	12	181.8182
32	16.633		209030	11453	54791	13	0.2090
33	17.310		17361	1068	62627	16	0.0174
34	18.248		205288	13874	67584	15	0.2053
35	18.536		368561	34418	66253	15	0.3686
36	18.811		256745	18201	70891	14	0.2567
37	19.427		224090	14751	65a25	15	0.2241
38	19.651	DBC	1195563	63268	439679	18	0.1553
39	22.713		40291	2104	52225	17	0.0403
40	23.443		156698	7785	49681	20	0.1567
51	24.583		8323	427	51354	20	0.0083
42	29.392		10226	434	42394	24	0.0102
			22613670	2339975			219.6024

000452

Group Report For : 1254

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
6	8.268	Aroclor-1254a	110013	16885	32396	7	0.5212
13	10.934	Aroclor-1254b	860757	106370	14638	8	7.2665
20	12.820	Aroclor-1254c	1045504	141160	12461	7	11.3282
31	15.910	Aroclor-1254d	888816	75616	416	12	181.8182
			2905089	340032			200.9342

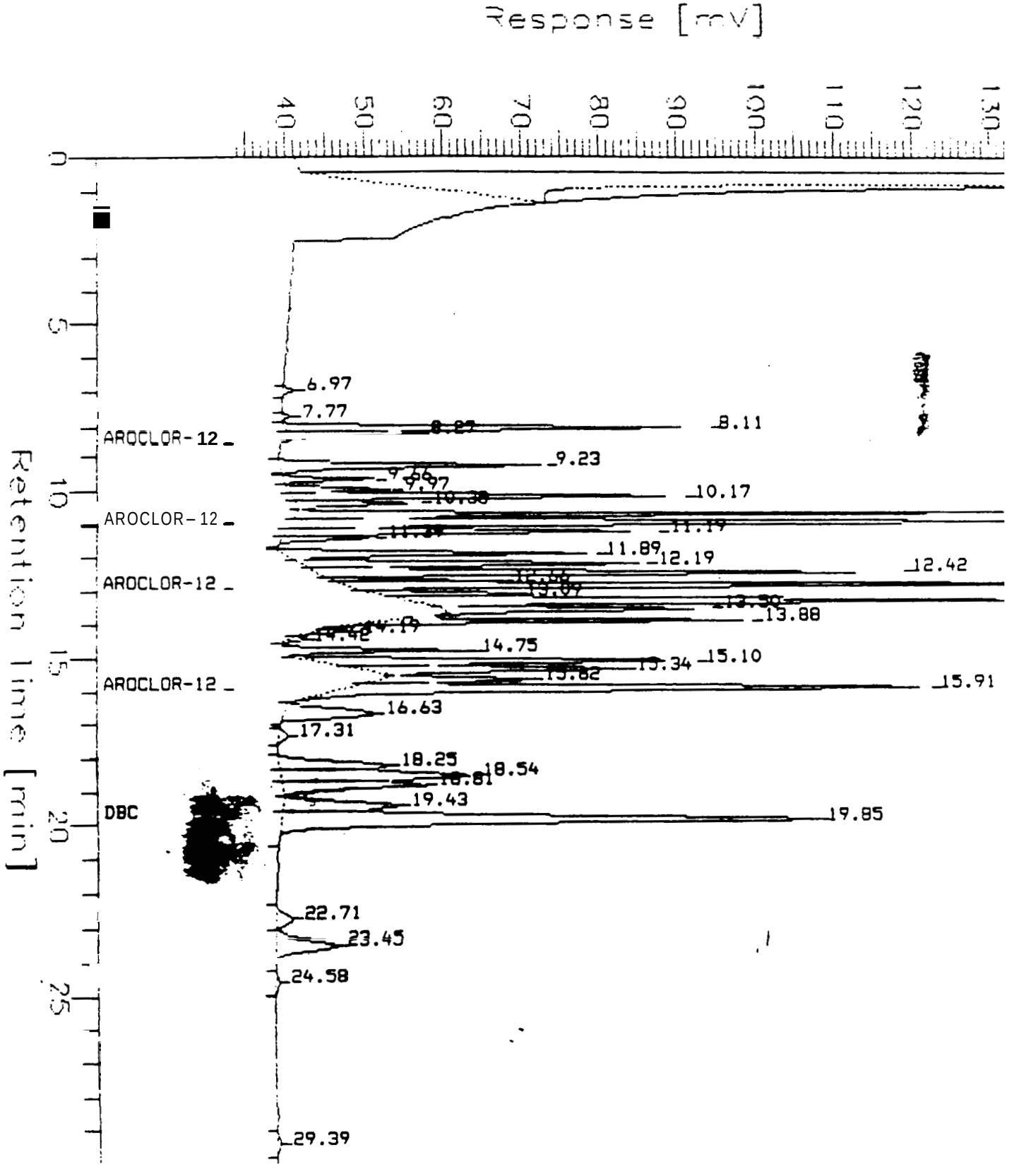
Report Stored in ASCII File: C:\2700\DATA0\DP10030.TXO

3200844

Chromatogram

File Name : C:\2700\DATA0\DP10030.raw
Start Time : 0.00 min
Scale Factor: [illegible]
End Time : 30.00 min
Plot Offset: 33 mV
Date : 4/10/91 5:53 AM
Low Point : 33.38 mV
Plot Scale: 100 mV
High Point : 133.38 mV

000453



Sample Name : PCB 1254 2.0 ug/ml Time : 4/10/91 5:54 AM
Sample Number: 5-285-7 Study :
Operator : LWM,RA

000454

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 3:27 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10031.raw
Result File : C:\2700\DATA0\DP10031.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1254608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1254 ON DB608

CONCENTRATION 2.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.588		13215560	932851	70587	14	13.2156
	5.774		13405	2051	152991	7	0.0134
3	7.774		9422	1479	156918	6	0.3094
4	8.111		500625	68039	135908	7	0.5006
5	8.268	Aroclor-1254a	144482	22033	32396	7	0.6801
6	9.234		328214	42030	123056	8	0.3282
7	9.662		114140	15261	133699	8	0.1141
8	9.963		110906	16829	151734	7	0.1109
9	10.166		445660	62465	140164	7	0.4457
10	10.377		136585	20234	148142	7	0.1366
11	10.684		899618	117649	130777	8	0.8996
12	10.934	Aroclor-1254b	1069764	130429	14638	8	0.9101
13	11.187		449158	59319	132067	8	0.4492
14	11.289		112014	15751	140618	7	0.1120
15	11.686		402808	49619	123184	8	0.4028
16	12.186		425086	54955	129279	8	0.4251
17	12.420		670287	94129	140431	7	0.6703
18	12.660		154325	27375	177387	6	0.1543
19	12.817	Aroclor-1254c	1301880	176132	12461	7	14.1347
20	13.090		152760	21004	137498	7	0.1528
21	13.270		773569	109410	141435	7	3,7730
22	13.495		351216	41915	127884	8	0.3512
23	13.685		57657	10644	134607	5	0.1577

3200845

000455

24	13.877		488365	61774	126491	9	0.4884
25	14.185		41813	6163	147396	7	0.0418
26	14.419		16446	2582	156992	6	0.0165
27	14.749		270288	29731	109997	9	0.2703
28	15.097		545002	60335	110706	9	0.5450
29	15.337		369207	40911	110806	9	0.3692
30	15.623		231550	25065	108249	9	0.2316
31	15.912	Aroclor-1254d	1121240	94679	521	12	181.8182
32	16.633		267845	14249	54293	13	0.2679
33	17.275		14094	1109	78649	13	0.0141
34	18.248		266719	17747	66539	15	0.2667
35	18.537		470045	30968	65882	15	0.4700
36	18.811		328949	23244	70563	14	0.3290
37	19.422		280665	18778	66904	15	0.2807
38	19.846	DBC	1564078	88984	438074	18	0.2031
39	22.710		52387	2761	52206	19	0.0529
40	23.450		207298	10061	48536	21	0.2073
41	24.542		11578	694	59947	17	0.0116
42	28.533		5409	263	48587	21	0.0054
43	29.385		13936	584	41933	24	0.0139
			28406552	2625682			228.9513

Group Report For : 1254

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	8.268	Aroclor-1254a	144482	22033	32396	7	0.6801
12	10.934	Aroclor-1254b	1069764	130429	14638	8	8.9101
19	12.917	Aroclor-1254c	1301880	176132	12461	7	14.1347
31	15.912	Aroclor-1254d	1121240	94679	521	12	181.8182
			3637366	423272			205.5431

Report Stored in ASCII Filer C:\2700\DATA0\DP10031.TXO

Chromatogram

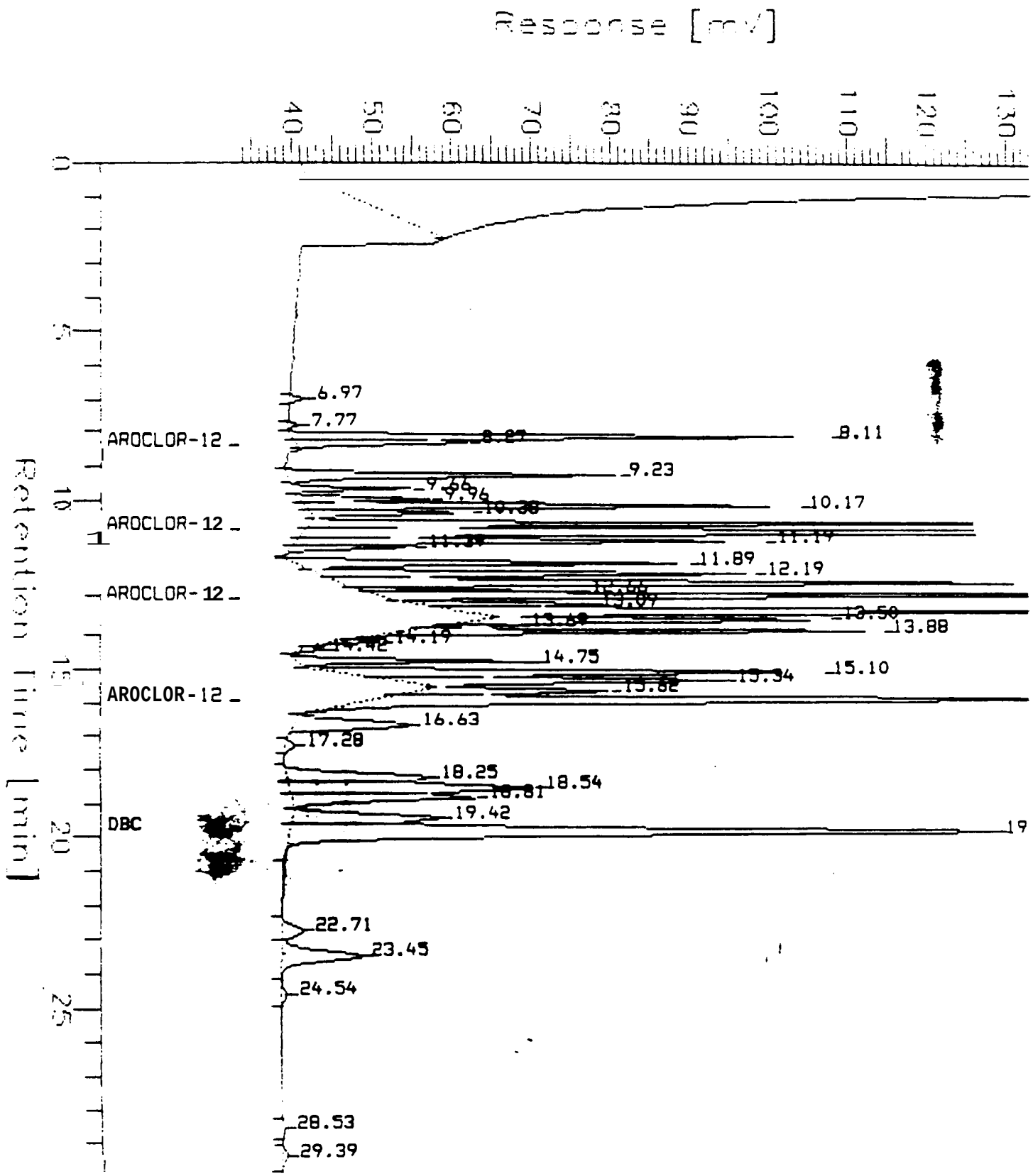
FileName : C:\2700\DATA0\DP10031.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 33 mV

Date : 4/10/91 5:55 AM
Low Point : 33.37 mV
Plot Scale: 100 mV

High Point : 133.37 mV

000456



3200840

Sample Name : PCB 1660 1.0 ug/ml Time : 4/10/91 11:16 AM
Sample Number: 2-306-7 Study : 000457
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 10:45 AM
Delay Time : 0.00 rnin.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10043.raw
Result File : C:\2700\DATA0\DP10043.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

CIROCLOR 1016 CIND CIROCLOR 1260 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.671		15912442	929536	58416	17	15.9124
2	3.794		16253637	627312	33626	26	16.2536
3	3.758		33619	4724	140519	?	0.0336
4	3.953		54708	10029	183310	5	0.0547
5	4.366		63810	11761	184311	5	0.0638
6	4.547	Aroclor-1016a	280256	48751	48751	6	1.0000
7	4.722		14104	2837	201179	[illegible]	3.0141
8	5.572		42616	6324	148400	7	0.0426
9	5.305		522364	75813	145134	7	0.5224
10	5.161	Aroclor[illegible]	41213	3312	3312	7	1.0000
11	6.486		181844	27208	149620	7	0.1818
12	6.597		102454	18721	152722	6	0.1025
13	6.737		278033	39520	142501	7	0.2780
14	6.979		1038436	135735	130711	3	1.0304
15	7.530	Aroclor-1016c	429688	56610	56610	3	1.0000
16	7.753		25120	4918	195703	5	0.0251
17	7.983		261458	40252	153950	7	0.2613
18	3.195		121022	24658	203746	5	0.1210
19	8.266		153940	19639	127573	8	0.1539
20			35032	4814	137429	1	3.0350
21	9.216	Aroclor-1016d	414437	44425	44425	9	1.0000
22	7.34[illegible]		36998	13154	137159	5	0.0970
23	9.642		273613	38980	113224	?	0.2736

24	9.822		75789	12089	159509	6	0.0758
25	9.947		57147	10308	180378	6	0.0572
26	10.155		110805	17591	159757	6	0.1109
27	10.361		160712	23320	145101	7	0.1607
28	10.671		301706	40767	135122	[illegible]	0.3017
29	10.920	Aroclor-1260a	310823	41080	41080	8	1.0000
30	11.172		9103	1405	154290		0.0091
31	11.369		20256	3167	156349	6	0.0203
32	11.366		36619	4373	133197		0.0366
33	12.156		20541	2943	143505		0.0205
34	12.416		31379	11251	140000		0.0311
35	12.795		450214	56899	136582	5	0.4502
36	13.192		306938	33212	91914	11	0.3069
37	13.252		94922	14489	152642	7	0.0949
38	13.431	Aroclor-1260b	692119	70961	70961	10	1.0000
39	13.359	Aroclor-1260c	716392	81181	81181	9	1.0000
40	14.126		43675	5276	120808	8	0.0437
41	14.731	Aroclor-1260d	342209	36848	36848	9	1.0000
42	15.335		345761	33377	96533	10	0.3459
43	15.603		164853	19609	118948	8	0.1649
44	15.391	Aroclor-1260e	551355	52224	52224	11	1.0000
45	16.106		317113	33404	105337	10	0.3171
46	16.462		269702	23120	35724	12	0.2697
47	17.237		104082	8173	78716	13	0.1041
48	18.202		667492	37312	55898	10	0.6675
49	18.359		408360	23029	56394	18	0.4084
50	19.331		1239176	90481	64947	15	1.2392
51	19.917	DBC	796723	47596	479961	17	0.1000
52	21.512		50346	2034	40407	25	0.0504
53	22.651		432380	21597	49949	20	0.4324
54	23.411		911250	35256	38689	26	0.9113
55	24.541		27505	1367	49696	20	0.0275
56	26.242		12924	586	45347	22	0.0129
57	27.736		7447	367	49236	20	0.0075
58	28.472		149021	5870	39389	25	0.1490
59	29.339		380930	14004	36762	27	0.3809
			47318312	3094314			51.8231

000458

Group Report For : 1016

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.547	Aroclor-1[illegible]	280256	48751	48751	6	1.0000
10	6.161	Aroclor-1[illegible]	61213	8312	8312	7	1.0000
15	7.530	Aroclor-1016c	429688	56610	56610	8	1.0000
21	9.216	Aroclor-1016d	414437	44425	44425	9	1.0000
			1185594	158098			4.0000

Group Report For : AROCLOR 1260

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
29	10.920	Aroclor-1260a	310823	41080	41080	8	1.0000

3200847

38	13.481	Aroclor-1260b	$92119	70961	70961	10	1.0000
39	13.859	Aroclor-1260c	716392	81181	81181	9	1.0000
41	14.731	Aroclor-1260d	342209	36848	36848	9	1.0000
44	15.891	Aroclor-1260e	551355	52224	52224	11	1.0000
			2612898	333293			5.0000

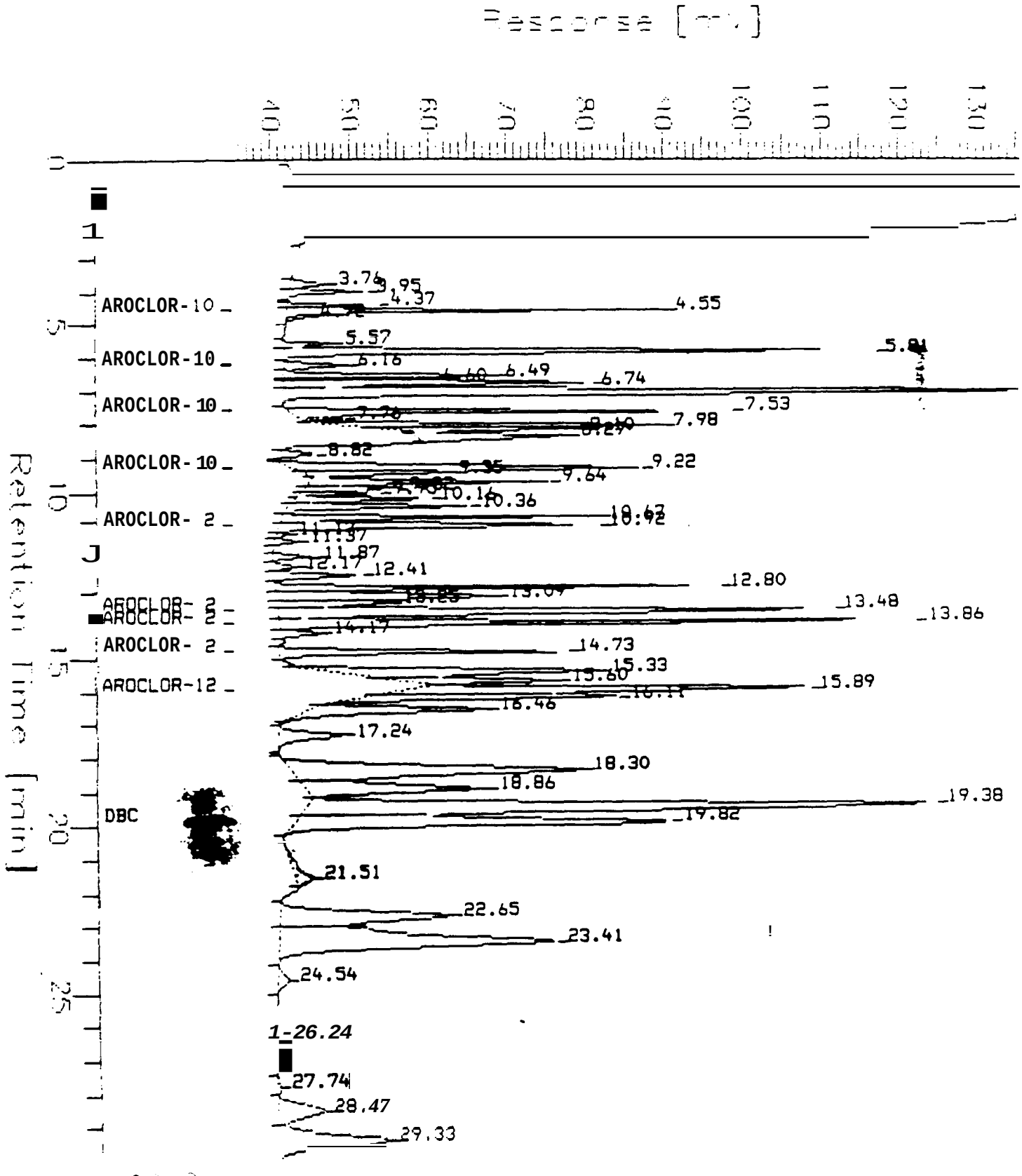
000459

Report **Stored in ASCII File:** C:\2700\DATAO\DP10043.TXO

Chromatogram

000460

FileName : C:\2700\DATA0\DP10043.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 35 mV
Date : 4-10/91 11:17 AM
Low Point : 35.06 mV
High Point : 135.16 mV
Plot Scale: 100 mV



3200848

Sample Name : PCB 1660 1.0 ug/ml Time : 4/10/91 12:43 PM
Sample Number: 2-306-7 Study
Operator : LWM,RA

000461

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 11:55 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10045.raw
Result File : C:\2700\DATA0\DP10045.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1660608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1016 AND AROCLOR 1260 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	0.367		9995206	710803	71114	14	9.9952
2	3.757		30353	4207	138509	7	0.0304
3	3.952		51090	9503	196311	c	0.0511
4	4.364		59079	11933	164263	c	3.3599
5	4.545	Aroclor-1016a	270444	47222	47222	b	1.0000
6	4.721		12583	2560	204115	5	0.0126
7	5.570		39668	5857	147654	m	0.0397
8	5.803		503915	73907	146085	7	0.5059
9	6.151	Aroclor-1	57733	7852	7852	7	1.0000
10	6.485		175492	25156	149046		0.1755
11	6.595		90159	17849	197971	5	0.0902
12	6.736		272918	38297	140325	7	3.2729
13	6.978		1018229	134250	131847	8	1.0182
14	7.528	Aroclor-1016c	416628	55622	55622	8	1.0000
15	7.758		23073	4533	176458	5	0.0231
16	7.980		259067	40025	154495	7	0.2591
17	8.091		116561	24302	208492	5	0.1166
18	8.264		145978	19129	131039	a	0.1460
19	8.815		32210	4449	137829	7	0.0322
20	9.214	Aroclor-1016d	403004	43108	43108	c	1.0000
21	9.347		92802	17761	191389	5	0.0929
22	9.640		268698	30367	113015	9	0.2687
23	9.820		74104	11841	159790	b	0.0741

000462

24	9.946		54727	9991	182380	6	0.0547
25	10.154		106326	16995	159842	6	0.1063
26	10.359		155121	22819	147102	7	0.1551
27	10.671		290101	39434	135933	7	0.2901
28	10.921	Aroclor-1260a	294413	39531	39531	7	1.0000
29	11.362		16259	2841	174729	6	0.0163
30	11.266		46049	4956	107629	7	0.0461
31	12.167		22392	3873	128313	3	0.0224
32	13.-06		78928	11052	140494		0.0739
33	13.795		439260	55998	127483		0.4393
34	13.391		296325	27374	92377	4	0.3963
35	13.250		90894	13698	150705	7	0.0909
36	13.478	Aroclor-1260b	676977	70159	70159	10	1.0000
37	13.860	Aroclor-1260c	703864	79497	79497	9	1.0000
38	14.162		41508	4994	120304	3	0.0415
39	14.731	Aroclor-1260d	336597	35978	35978	9	1.0000
40	15.334		337405	32670	96827	19	0.3374
41	15.603		170570	19587	114834	9	0.1706
42	15.388	Aroclor-1260e	552127	51936	51936	11	1.0000
43	16.103		312507	33229	106332	9	0.3125
44	16.453		265810	22970	86415	12	0.2658
45	17.236		99982	8003	80849	12	0.0990
46	18.299		661011	37275	55390	18	0.6610
47	18.866		403051	22627	56138	18	0.4031
48	19.382		1237605	80182	64788	15	1.2376
49	19.811	DBC	300208	48517	485165	1	0.1000
50	21.511		22591	1606	71103	14	0.0226
51	22.654		436188	21584	49484	20	0.4362
52	23.407		912111	34757	38106	26	0.9121
53	24.528		28079	1374	48919	20	0.0281
54	26.268		12856	578	44936	22	0.0129
55	27.696		5670	300	52823	19	0.0057
56	28.467		146021	5745	39341	25	0.1460
57	29.330		378902	13959	36840	27	0.3789
			24843222	2215736			29.4312

Group Report For : 1016

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
5	4.545	Aroclor-10[illegible]	270444	47222	47222	6	1.0000
7	6.161	Aroclor-[illegible]	57733	7852	7852	7	1.0000
14	7.528	Aroclor-[illegible]	416628	55622	55622	8	1.0000
20	9.214	Aroclor-[illegible]	403004	43108	43108	9	1.0000
			1147809	153803			4.0000

Group Report For : AROCLOR 1260

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
28	10.921	Aroclor-1260a	294413	39531	39531	7	1.0000
36	13.478	Aroclor-1260b	676977	70159	70159	10	1.0000
37	13.860	Aroclor-1260c	703864	79497	79497	9	1.0000

3200840

39	14.731	Aroclor-1260d	336597	35978	35978	9	1.0000
42	15.288	Aroclor-1260e	552127	51936	51936	11	1.0000
			2563973	377111			5.0000

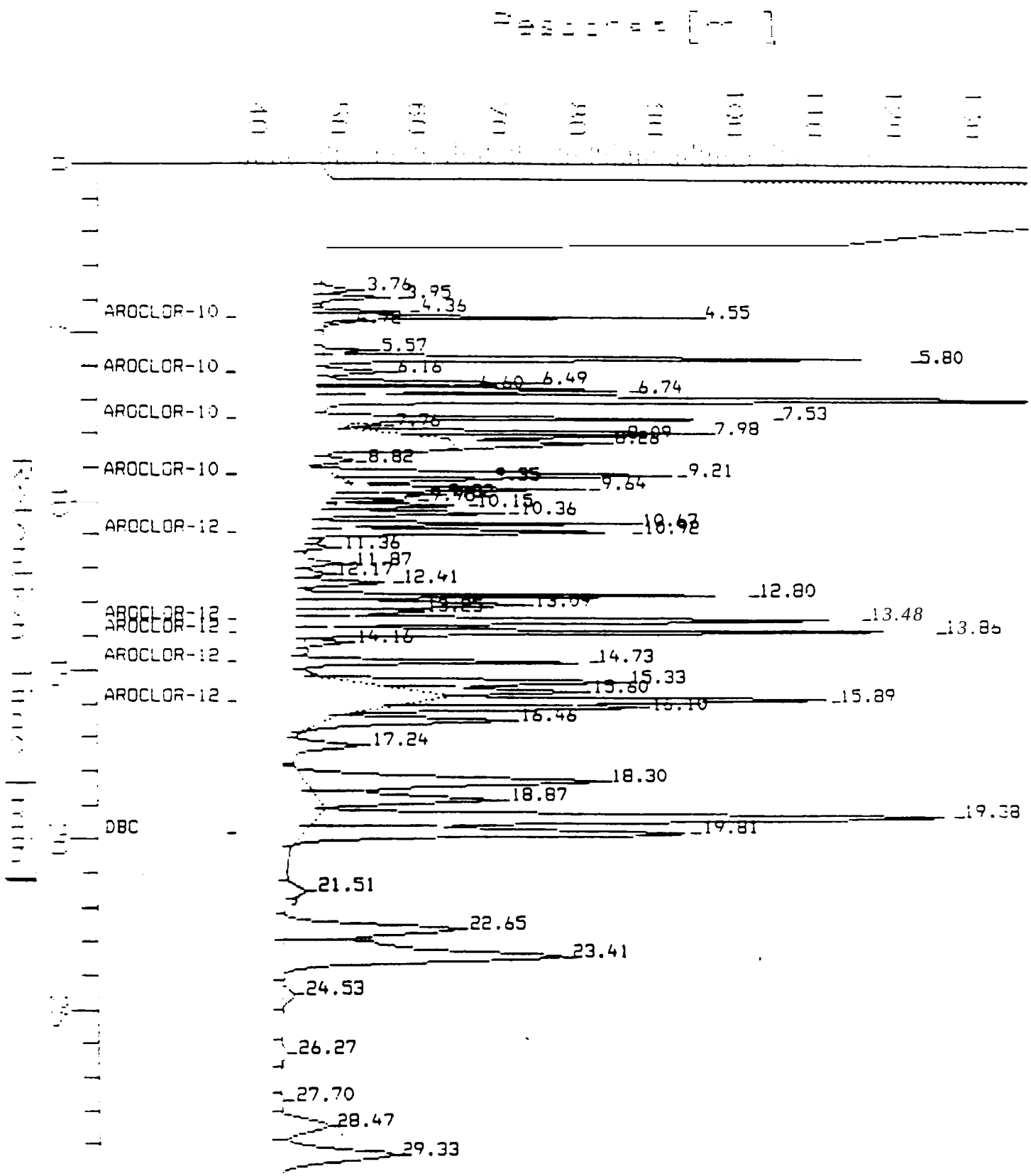
000463

Report Stored in ASCII File: C:\2700\DATA0\DP10045.TXO

Chromatogram

000464

FileName : D:\2700\DATA0\DP10045.raw
Start Time : 0.00 min
Scale Factor: -1



3200800

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Sample Name : PCB 1221 1.0 ug/ml Time : 4/10/91 1:02 PM
Sample Number: 6-281-7 Study : 000465
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 12:30 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10046.raw
Result File : C:\2700\DATA0\DP10046.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1221608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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AROCLOR 1221 ON DB608

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CONCENTRATION 1.0 ug/ml

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Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
1	[illegible]		10343912	570760	55717	18	10.2439
2	3.263		274555	29399	136713	9	0.2746
3	3.467		30943	6060	201715	5	0.0300
4	3.754		64226	7316	118358	9	0.0642
5	3.948		178946	32176	179811	6	0.1790
6	4.338	Aroclor-1221A	123840	22127	66446	6	0.1239
7	4.345		364912	63762	174733	6	0.3649
8	4.721	Aroclor-1221B	62675	11192	33579	6	0.0339
9	5.511		35742	5376	164971	6	0.0357
10	5.759		92545	11694	136364	8	0.0926
11	6.165		5107	675	136078	7	0.0051
12	6.732		14695	3609	177545	6	0.0147
14	6.981		60480	6688	143649	7	0.0605
15	7.530		31456	3952	122497	8	0.0315
16	7.960		21611	2716	125746	8	0.0216
17	8.269		9137	1343	147237	7	0.0091
18	9.149		8820	900	101928	10	0.0088
20	10.670		11570	1654	142349	7	0.0116
21	10.913		10301	1537	142293	7	0.0103
22	13.790		61123	2897	473999	21	0.0611
23	13.982		15302	1675	109465	9	0.0153
24	13.363		11500	1467	127536	8	0.0115
25	14.736		6330	655	119576	9	0.0064

26	15.334		5293	594	112201	9	0.0053
27	16.066		57948	4541	73365	13	0.0580
28	17.352		7013	543	77359	13	0.0070
29	18.174		124174	3154	[illegible]	15	0.1242
30	19.311	DBC	339492	[illegible]	[illegible]	17	[illegible]
			12773303	[illegible]			12.7133

000466

Group Report For : 1221

Peak #	Ret Time (min)	Compound Name	Area (Counts)	Height (Counts)	[illegible]	[illegible]	Percent (%)
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	0.[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	0.[illegible]
			[illegible]	[illegible]			[illegible]

Report Stored in ASCII File: C:\2700\DATA0\DP10046.TXO

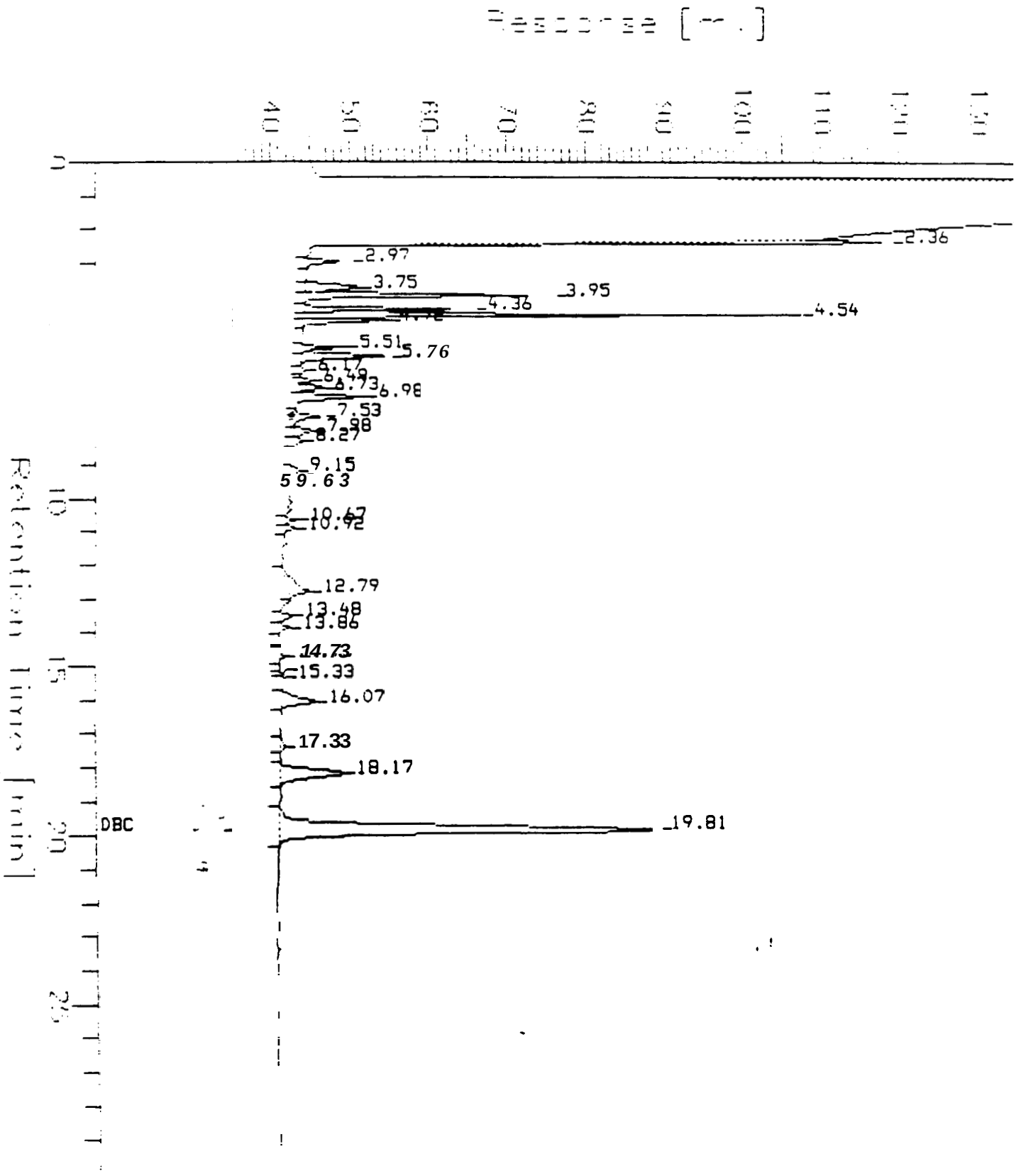
3200851

Chromatogram

000467

FileName : C:\2700\DATA0\DP10046.raw
Start Time : 0.00 min End Time : [illegible] min
Scale Factor: -1 Plot Offset: [illegible] mV

Date : [illegible] 2 PM
Low Point : [illegible] mV
Plot Scale: [illegible] mV



Sample Name : PCB 1232 1.0 ug/ml Time : 4/10/91 1:37 PM
Sample Number: 6-282-7 Study :
Operator : LWM,RA

000468

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 1:05 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10047.raw
Result File : C:\2700\DATA0\DP10047.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1232608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1232 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	RF HEIGHT	RF AREA	Amount [ug/ml]
1	1.557		33005950	925057	33829	32	30.0060
2	2.259		1855146	69723	37554	37	1.8552
3	3.755		15651	3222	205858	5	0.0157
4	3.754		37537	4547	123624	8	0.0376
5	3.948		98058	18605	183618	5	0.0981
6	4.382	Aroclor-1232a	76592	14049	79244	5	0.2000
7	4.544	Aroclor-1232b	283267	49222	245110	6	0.3000
8	4.730		27430	5440	193353	5	0.0274
9	5.531		32124	3975	123731	8	0.0321
10	5.300		270029	38095	141073	7	0.2700
11	6.158	Aroclor-1232c	24174	3484	17413	7	0.2000
12	6.465		37414	7460	139404	5	0.0374
13	6.736		78841	14222	150393	6	0.0788
14	6.977		472287	64902	137420	7	0.4723
15	7.527	Aroclor-1232d	184911	26521	132607	7	0.2000
16	7.930		126565	19734	155641	6	0.1266
17	8.188		50240	10551	210019	5	0.0502
18	8.263		72738	9442	139897	8	0.0727
19	8.813		13730	1862	135641	7	0.0137
20	9.313		127080	15440	121498	8	0.1271
21	9.639		105279	12322	117045	9	0.1053
22	9.924		20305	4171	205413	5	0.0203
23	9.948		61243	10018	163575	6	0.0612

3200852

000469

24	10.150		126826	17753	155750	5	[illegible]
25	10.359		173303	25266	145793	7	0.1733
26	10.667		36076	3975	152432	7	[illegible]
27	10.919		36244	4794	152954	7	[illegible]
28	11.179		13804	3337	153179	5	[illegible]
29	11.367	Aroclor-1232e	155373	22139	132771	7	[illegible]
30	11.[illegible]		13733	3433	133393	5	[illegible]
31	13.[illegible]		18539	3494	134137	5	[illegible]
32	13.[illegible]		[illegible]	[illegible]	[illegible]	7	[illegible]
33	13.[illegible]		30233	[illegible]	[illegible]	7	[illegible]
34	13.[illegible]		[illegible]	[illegible]	[illegible]	7	[illegible]
35	13.[illegible]		[illegible]	[illegible]	[illegible]	7	[illegible]
37	15.[illegible]		[illegible]	[illegible]	[illegible]	7	[illegible]
39	15.[illegible]		[illegible]	[illegible]	[illegible]	5	[illegible]
41	18.[illegible]		[illegible]	[illegible]	[illegible]	15	[illegible]
42	19.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]
			35673728	1426351			35.3303

Group Report For : AROCLOR 1232

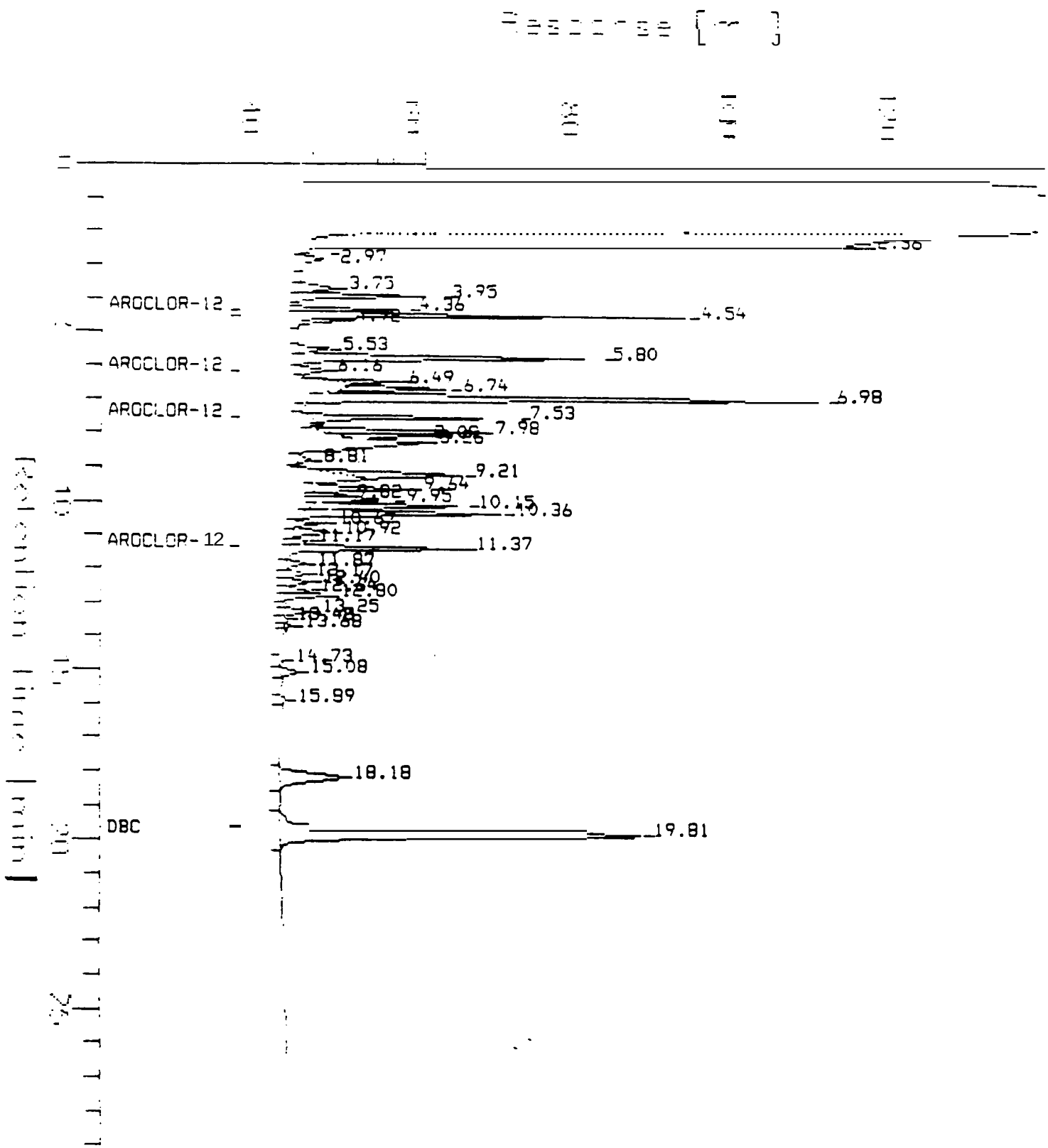
Peak #	Ret Time (min)	Component Name	Area (uV*sec)	Height (uV)	RF 8/1347	RF 2484	Amount (ug/ml)
5	4.352	Aroclor-1232a	75592	14049	70844	5	0.2000
7	4.544	Aroclor-1232b	283367	49533	246110	6	0.2000
11	5.159	Aroclor-1232c	34174	3484	17413	7	0.2000
15	7.527	Aroclor-1232d	184911	26521	132637	7	0.2000
29	11.367	Aroclor-1232e	155373	22139	132771	7	0.1667
			784317	1.5405			0.9667

Report Stored *in* ASCII **File:** C:\2700\DATA0\DP10047.TXO

Chromatogram

000470

FileName : C:\2700\DATA0\DP10047.raw
Start Time : 0.00 min End Time :
Scale Factor: -1 Plot Offset: [illegible] mV Date : [illegible] Plot Scale: [illegible] %



3200850

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Sample Name : PCB 1242 1.0 ug/ml Time : 4/10/91 2:12 PM
Sample Number: 6-283-7 Study : 000471
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 1:40 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10048.raw
Result File : C:\2700\DATA0\DP10048.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1242608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

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AROCLOR *1242* ON DB608

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CONCENTRATION 1.0 ug/ml

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Peak #	Ret Time (min)	Identify Name	Area (uV-sec)	Height (uV)	SF (Ethyl)	SF (Meth)	Amount (ug/ml)
1	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	Aroclor-1242a	244020	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]		31359	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]		396551	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	Aroclor-1242b	42832	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]		134300	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]		68437	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]		210476	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]		801666	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	Aroclor-1242c	223193	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	Aroclor-1242d	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

000472

24	10.151		236748	36610	154636	7	0.3366
25	10.361		315868	45845	145132	7	0.3157
26	10.667		67507	9997	14802[illegible]	7	0.0675
27	10.920		90611	12388	137169	7	0.0903
28	11.171		38926	5254	1[illegible]	[illegible]	0.0388
29	11.367	Aroclor-1242e	292372	[illegible]	[illegible]	7	[illegible]
30	11.670		48539	[illegible]	[illegible]	8	[illegible]
31	[illegible]		52279	[illegible]	[illegible]	8	[illegible]
32	[illegible]		57013	[illegible]	[illegible]	7	[illegible]
33	[illegible]		50954	[illegible]	[illegible]	7	[illegible]
34	[illegible]		[illegible]	[illegible]	[illegible]	7	[illegible]
35	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]		[illegible]	[illegible]	[illegible]	7	[illegible]
37	[illegible]		2[illegible]	[illegible]	[illegible]	7	[illegible]
38	[illegible]		[illegible]	[illegible]	[illegible]	7	[illegible]
39	[illegible]		[illegible]	[illegible]	[illegible]	7	[illegible]
40	[illegible]		[illegible]	[illegible]	[illegible]	7	[illegible]
41	[illegible]		[illegible]	[illegible]	[illegible]	11	[illegible]
42	[illegible]		[illegible]	[illegible]	[illegible]	13	[illegible]
43	[illegible]		[illegible]	[illegible]	[illegible]	15	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] RA 4-10-91
			[illegible]	[illegible]			[illegible]

Group Report For : *i242*

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	SF -BIGHT	SF AREA	Amount (ug/ml)
5	[illegible]	Aroclor-1242a	244020	[illegible]	[illegible]	5	1.0000
6	[illegible]	Aroclor-1242b	[illegible]	[illegible]	[illegible]	7	1.0000
7	[illegible]	Aroclor-1242c	[illegible]	[illegible]	[illegible]	8	[illegible]
8	[illegible]	Aroclor-1242d	204725	31482	31482	7	[illegible]
29	11.367	Aroclor-1242e	292872	41739	41739	7	[illegible]
			1107051	165375			[illegible]

Report **Stored in ASCII File:** C:\2700\DATA0\DP10048.TXO

3200854

Chromatogram

000473

FileName : C:\2700\DATA01\DF10046.raw
Start Time : 0.00 min
End Time
Date
Low Point
Scale Factor: -1
Plot Offset: -0 mV
Plot Scale: 100 mV

Response [mV]

AROCLOR-12
AROCLOR-12
AROCLOR-12
AROCLOR-12
AROCLOR-12
DBC

3.76 3.95 4.36 4.54 5.57 5.80 6.16 6.48 6.74 7.53 7.98 8.81 9.21 9.64 9.95 10.15 10.36 10.92 11.37 12.80 13.25 13.68 14.73 15.07 15.89 17.34 18.18 19.81

Sample Name : PCB 1248 1.0 ug/ml Time : 4/10/91 2:47 PM
Sample Number: 6-284-7 Study : 000474
Operator : LWM,RA

Interface # : 0 Channel : 3 A/D mV Range : 1000
AutoSampler : None attached
Rack Vial : 0/0

Data Acquisition Time: 4/10/91 2:15 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10049.raw
Result File : C:\2700\DATA0\DP10049.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1248608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1248 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time [min]	Component Name	Area [uV*sec]	Height [uV]	PF [uV/sec]	SF AREA	Amount [ug/ml]
1	[illegible]		8471100	921283	118756	9	0.4711
2	[illegible]		952992	119721	125667	6	0.5536
3	[illegible]		16766	3259	159072	5	0.0170
4	[illegible]		3914	[illegible]	153110	6	[illegible]
5	[illegible]	Aroclor-1248a	224157	3-060	3-060	7	1.0000
6	[illegible]		12341	1310	1-5627	7	0.0123
7	[illegible]		111806	13539	131093	8	0.1118
8	[illegible]	Aroclor-1248b	77934	11908	11708	7	[illegible]
9	[illegible]		722044	94911	131442	8	0.7221
10	[illegible]		169664	36325	[illegible]	6	[illegible]
11	[illegible]		30106	5156	15-875	5	0.0301
12	[illegible]		97871	17074	174851	5	0.1979
13	[illegible]		226571	33717	148515	7	0.2266
14	[illegible]		243164	[illegible]	119153	6	0.2432
15	[illegible]		30442	[illegible]	149745	7	0.0304
16	[illegible]		266651	37195	146994	7	0.2667
17	[illegible]		364304	44-87	111134	9	0.3643
18	[illegible]		357207	41957	117456	9	0.3572
19	[illegible]	Aroclor-1248c	451400	5-166	5-186	7	1.0000
20	[illegible]		[illegible]	[illegible]	[illegible]	7	0.3711
21	[illegible]		111243	16412	[illegible]	7	0.1112
22	[illegible]		156-55	21643	[illegible]	6	0.1565
23	[illegible]	Aroclor-1248d	[illegible]	[illegible]	[illegible]	7	1.0000

3200855

000475

24	11.360		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
25	11.871		57383	11084	12[illegible]845	5	[illegible]	
26	12.172		[illegible]	12531	12[illegible]	6	[illegible]	
27	12.404		1.2512	15155	147322	7	[illegible]	
28	12.641		105736	[illegible]	[illegible]	[illegible]	[illegible]	
29	12.931		202553	22735	[illegible]	[illegible]	[illegible]	
30	13.156		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
31	13.355		159772	21732	[illegible]	[illegible]	[illegible]	
32	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
33	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
34	13.854		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
35	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
36	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
37	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
38	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
39	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
40	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
41	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
42	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
43	[illegible]	~~DOC~~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
44	[illegible]	DOC RA 4-10 91	[illegible]	[illegible]	~~[illegible]~~	[illegible]	~~[illegible]~~ 452300 RA# 4-10-91	
45	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
46	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
47	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
48	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
			[illegible]	[illegible]			[illegible]	

Group Report For : 1248

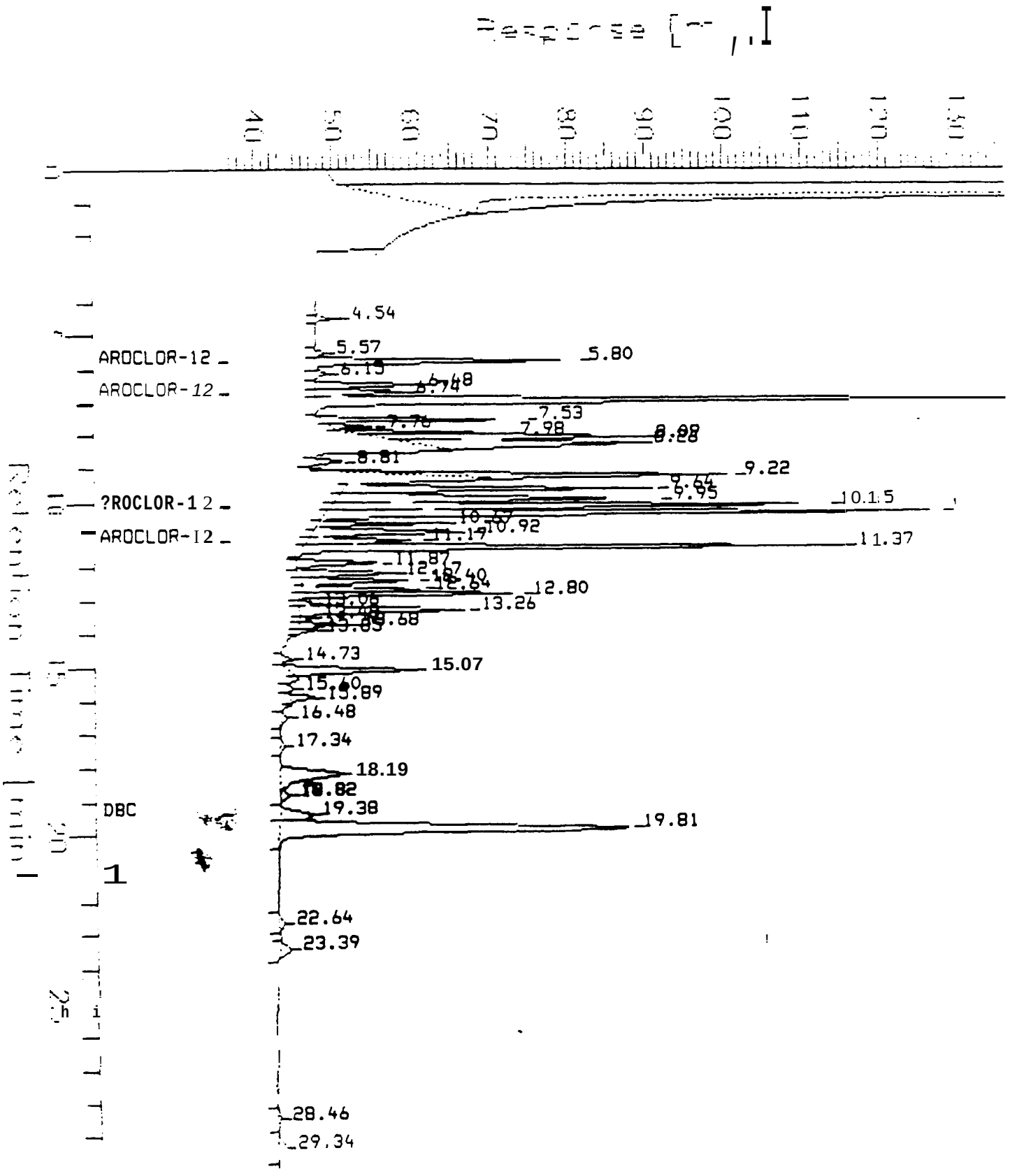
Peak #	Ret Time (min)	Compound Name	Area (uV*sec)	Height (uV)	SF (HZ/cm)	SC (PPM)	Report (g/ml)
5	5.831	Amobarb-1248a	224157	24060	34160	7	1.0000
8	[illegible]	Amobarb-1248b	77924	11909	11909	7	1.0000
12	[illegible]	Amobarb-1248c	451420	64181	64185	7	1.0000
33	11.171	Amobarb-1248d	[illegible]	14925	14925	7	1.0000
			854352	125159			4.0000

Report Stored in ASCII File: C:\2700\DATA0\DP10049.TXO

Chromatogram 000476

FileName : C:\2700\DATA0\DP10049.raw
Start Time : 0.00 min
Scale Factor: -1

Date : 4/10/91 8:47 PM
Low Point : 36.57 mV



0200850

Sample Name : PCB 1254 1.0 ug/ml Time : 4/10/91 2:22 PM
Sample Number: 6-285-7 Study :
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1300
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 2:50 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.3000 pts/sec

Raw Data File : C:\2700\DATA0\DP10050.raw
Result File : C:\2700\DATA0\DP10050.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\1254608D.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

AROCLOR 1254 ON DB608

CONCENTRATION 1.0 ug/ml

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
1	1.571		3693645	923407	106216	7	3.6936
2	1.319		693231	57376	82765	12	0.6932
3	3.750		7766	1160	149343	7	0.0078
5	3.195		283586	39956	138453	7	0.2836
6	3.250	Aroclor-1254a	69895	11364	32396	6	0.3662
7	3.213		182309	24222	133365	8	0.1823
8	3.645		61100	8265	135282	7	0.0611
9	3.946		59871	9186	153431	7	0.0599
10	10.151		257543	36627	142213	7	0.2575
11	10.362		75974	11573	149687	7	0.0760
12	10.667		536947	71780	133631	8	0.5370
13	10.920	Aroclor-1254b	642236	79417	14638	8	5.4253
14	11.170		263811	35402	134174	8	0.2638
15	11.365		54000	3893	153671	7	0.0540
16	11.867		221007	29130	125585	8	0.2310
17	12.169		247413	32182	130075	8	0.2474
18	12.401		391195	55048	140718	7	0.3912
19	12.642		82373	15590	187260	5	0.0824
20	12.799	Aroclor-1254c	783081	105991	12461	7	8.5059
21	13.072		91601	12756	139252	7	0.0916
22	13.252		469434	66045	140630	7	0.4694
23	13.479		179709	25445	141591	7	0.1797
24	13.958		267236	36340	135964	7	0.2672

000478

25	14.165		22915	3414	148973	7	0.0229
26	14.400		8517	1369	160720	6	0.0085
27	14.736		150407	17054	113383	9	0.1504
28	15.173		308225	34794	112337	9	0.3082
29	15.312		216006	24337	113667	9	0.2160
30	15.597		134505	14722	109227	9	0.1345
31	15.885	Aroclor-1254d	651908	55794	337	12	181.8122
32	16.011		145063	3122	55773	19	0.1451
33	17.157		9659	644	66355	15	0.0097
34	18.122		149442	9510	65247	15	0.1494
35	18.521		253423	17538	69213	15	0.2534
36	18.777		123756	12373	71601	14	0.1238
37	19.182		157372	10541	66794	15	0.1574
38	19.804	DBC	349533	47737	434511	19	0.1103
39	21.671		26158	1405	53475	19	0.0262
40	22.400		106851	5438	50396	20	0.1069
			13003712	1362736			811.2369

Group Report For : *1254*

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	Height (uV)	RF HEIGHT	RF AREA	Amount (ug/ml)
1	8.351	Aroclor-1254a	69395	11364	38396	6	0.3662
13	10.720	Aroclor-1254b	642236	77417	14633	8	5.4253
20	13.799	Aroclor-1254c	733091	105991	12461	7	3.5059
31	15.885	Aroclor-1254d	651908	55794	337	12	181.8122
			2147121	253066			196.1156

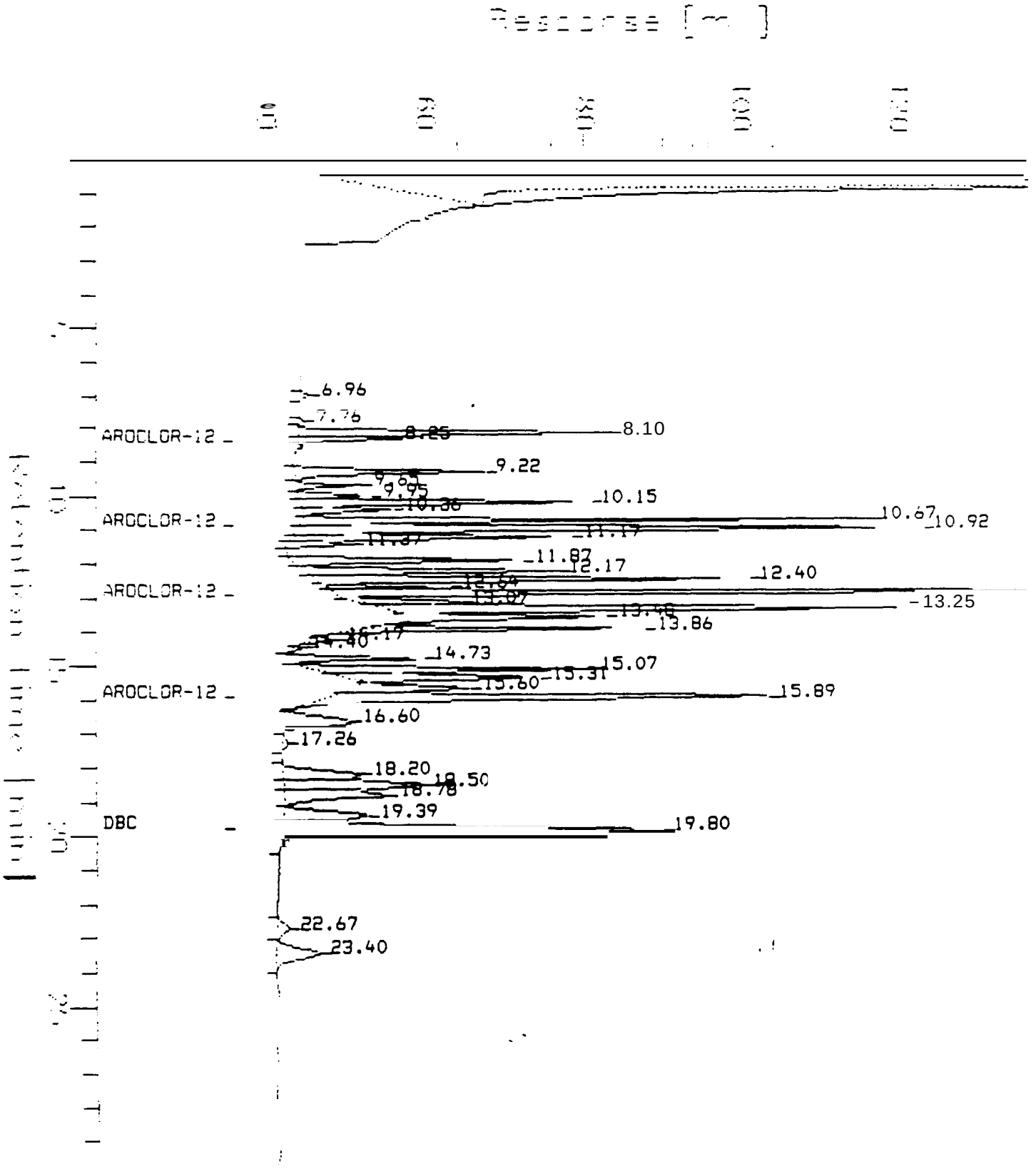
Report Stored in ASCII File: C:\2700\DATA0\DP10050.TXO

3200857

Chromatogram

000479

FileName : C:\2700\DAT90\DP10050.raw
Start Time : 0.00 min
Scale Factor: -1



By [illegible] Date 4-9-91 Subject RB Spoint on HP5890 Sheet No. 000480 of

Chkd. By KG Date 4/11/91 DM Proj. No.

Aroclor

	ppm →	0.25	0.50	1.0	1.5	2.0	$\bar{x}$	% RSD
1016	Area							
	Ht	174232	161076	156102	144319	134732	154092	9.9
1260	Area							
	Ht	336736	311854	272309	256025	237994	282984	14.3
DBC	Area							
	Ht	504040	481340	460650	459127	445560	470143	4.9
1221	Area							
	Ht	37768	35442	33477	31290	29244	33454	10.0
DBC	Area							
	Ht	493120	458300	468160	451853	435010	463648	5.2
1232	Area							
	Ht	140938	134852	126989	114474	107672	128783	11.2
DBC	Area							
	Ht	484760	479920	455870	454740	442475	463553	3.9
1242	Area							
	Ht	218973	189268	172735	161318	152279	177314	13.2
DBC	Area							
	Ht	487200	471620	453030	449230	447220	461640	3.7
1248	Area							
	Ht	155904	145346	131729	122170	115753	134180	12.3
DBC	Area							
	Ht	479120	456760	455650	445873	445080	456497	
1254	Area							
	Ht	303420	283402	255431	226638	211636	256115	14.9
DBC	Area							
	Ht	485480	496600	480940	455120	444920	470612	
DBC RF	Area							
	Ht						463959	3.9

3200853

108-10-85

Sample Name : BLANK 4-1-91 Time : 4/10/91 11:51 AM
Sample Number: BLK162,165 Study : 000481
Operator : LWM,RA

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 11:20 AM
Delay Time : 0.00 min.
End Time : 30.00 nin.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10044.raw
Qesult File : C:\2700\DATA0\DP10044.rst
Instrument File: C:\2700\GEN7B.ins
Process Fiie : C:\2700\GEN7B.prc
Sample File : C:\2700\DEFAULT.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.3000

Noise Threshold: 1 Area Threshold : 3500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 1.00
Divisor : 1.0000 Additive Constant: 0.00

Instrument Conditions:
HP58907B

Total Number of Peaks Detected: 27

WATER SAMPLE ANALYSIS

Peak #	Ret Time Cminl	Component Name	Area (uV-sec)	Height (uV)	AMOUNT ug/l
1	0.546		5864553	926940	5.8646
2	0.784		379422	56618	0.3794
3	0.998		169264	48670	0.1093
4	1.119		18191	6902	0.0182
5	1.190		52294	15513	0.0523
6	1.389.	NO PCBS	117993	31011	0.1180
7	1.540	DETECTED	121706	34684	0.1217
a	1.663		29824	8163	0.0298
9	1.769		34635	6334	0.0346
10	2.124	LSG 4-10-91	11284	2117	0.01 13
11	2.679		14133	2630	0.0141
12	2.882		1269165	263415	1.2692
13	3.349		11847	1564	0.0119
14	3.633		9326	1633	0.0093
15	3.812		21364	4047	0.0214
16	4.025		6882	1145	0.0069
17	4.324		3372	548	0.0034
18	5.887		4642	770	0.0046
19	6.399		11001	1706	0.0110
20	6.615		15718	1793	0.0157

21	7.208	2379	396	0.0024
22	8.272	168821	23982	0.1688
23	9.622	21907	3374	0.0219
24	12.672	178910	3414	0.1789
25	17.371	156784	12099	0.1568
26	18.170	212532	14114	0.2125
27	19.806 DBC LM 4-12-91	767793	44498	0.7678
		9675737	1518079	

0000482

96701

LM 4-12-91

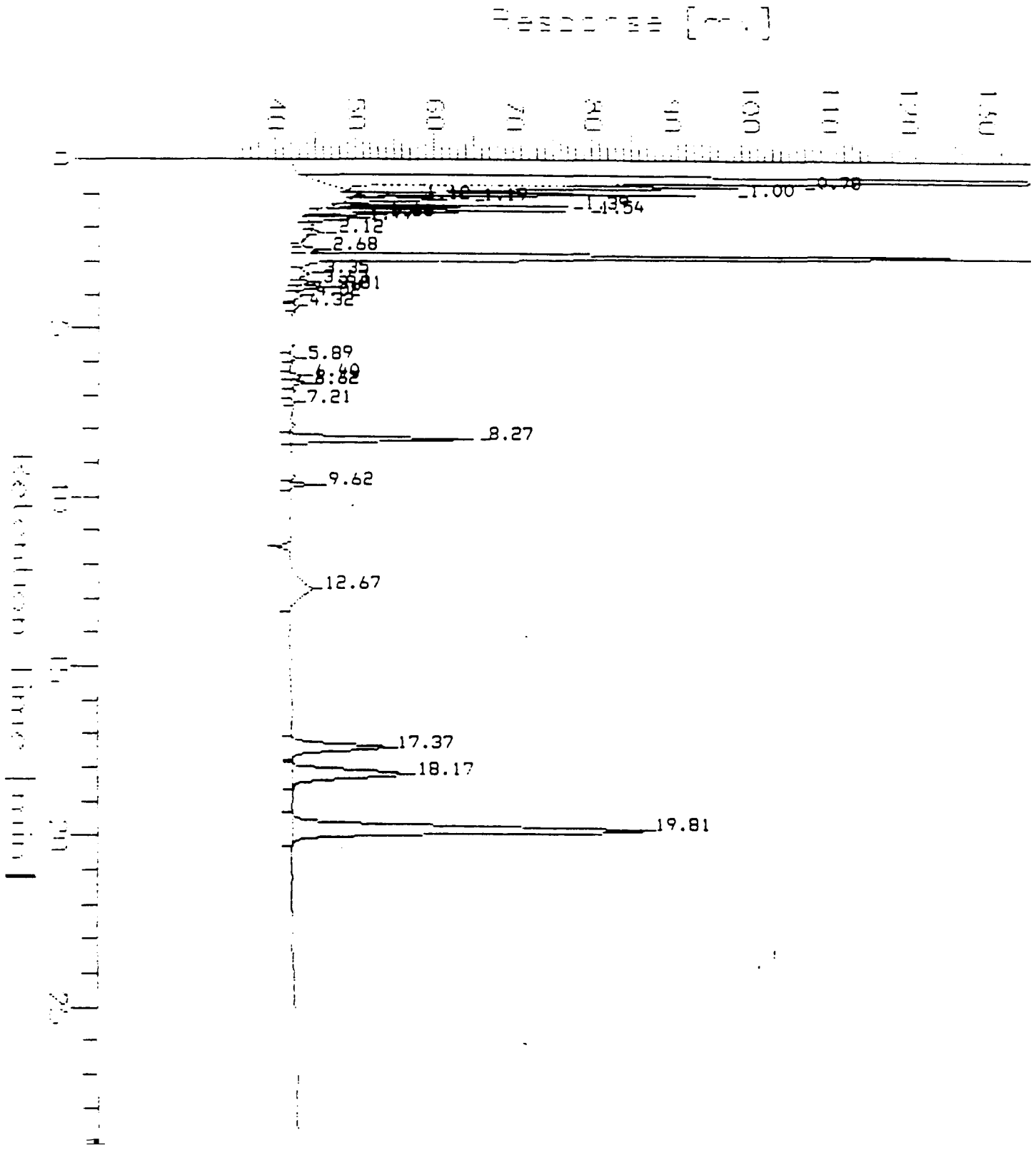
Report Stored in **ASCII File:** C:\2700\DATA0\DP10044.TXO

3200850

Chromatogram

000483

FileName : C:\2700\DATA0\DP10044.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 35 mV
Date : 4/13/01 11:52 AM
Low Point : 35.25 mV
High Point : 135.37 mV
Plot Scale: 100 mV



Sample Name : Q10316501 Time : 4/10/91 9:31 AM
Sample Number: P32 W001 Study :
Operator : LWM,RA

000484

Interface # : 0 Channel : 9 A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 9:00 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10040.raw
Result File : C:\2700\DATA0\DP10040.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\DEFAULT.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 3500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 1.00
Divisor : 1.0000 Additive Constant: 0.00

Instrument Conditions:
HP58907B

Total Number of Peaks Detected: 28

WATER SAMPLE ANALYSIS

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	AMOUNT ug/l
1	0.546		5903931	924312	5.0'339
2	0.781		216681	45407	0.2167
3	9.993		62966	19677	0.0630
4	1.119		24723	9520	0.0247
5	1.193		77205	21527	0.0772
6	1.392		42652	14179	0.0427
7	1.541		124637	34044	0.1246
8	1.664	NO PCBS	47670	12210	0.3477
9	1.766		32496	5310	0.3325
10	2.033	DETECTED	11613	1824	0.0116
11	2.121		12182	2696,	0.0122
12	2.676		23864	3567	0.0239
13	2.883	LSG 4-10 91	1232925	254559	1.2329
14	3.601		18924	3521	0.0189
15	3.836		351504	67403	0.3515
16	4.322		6715	708	0.0067
17	5.510		5856	703	0.0059
18	5.873		2220	288	0.3022
19	6.395		9775	1524	0.0098
20	6.624		10486	1267	0.0105

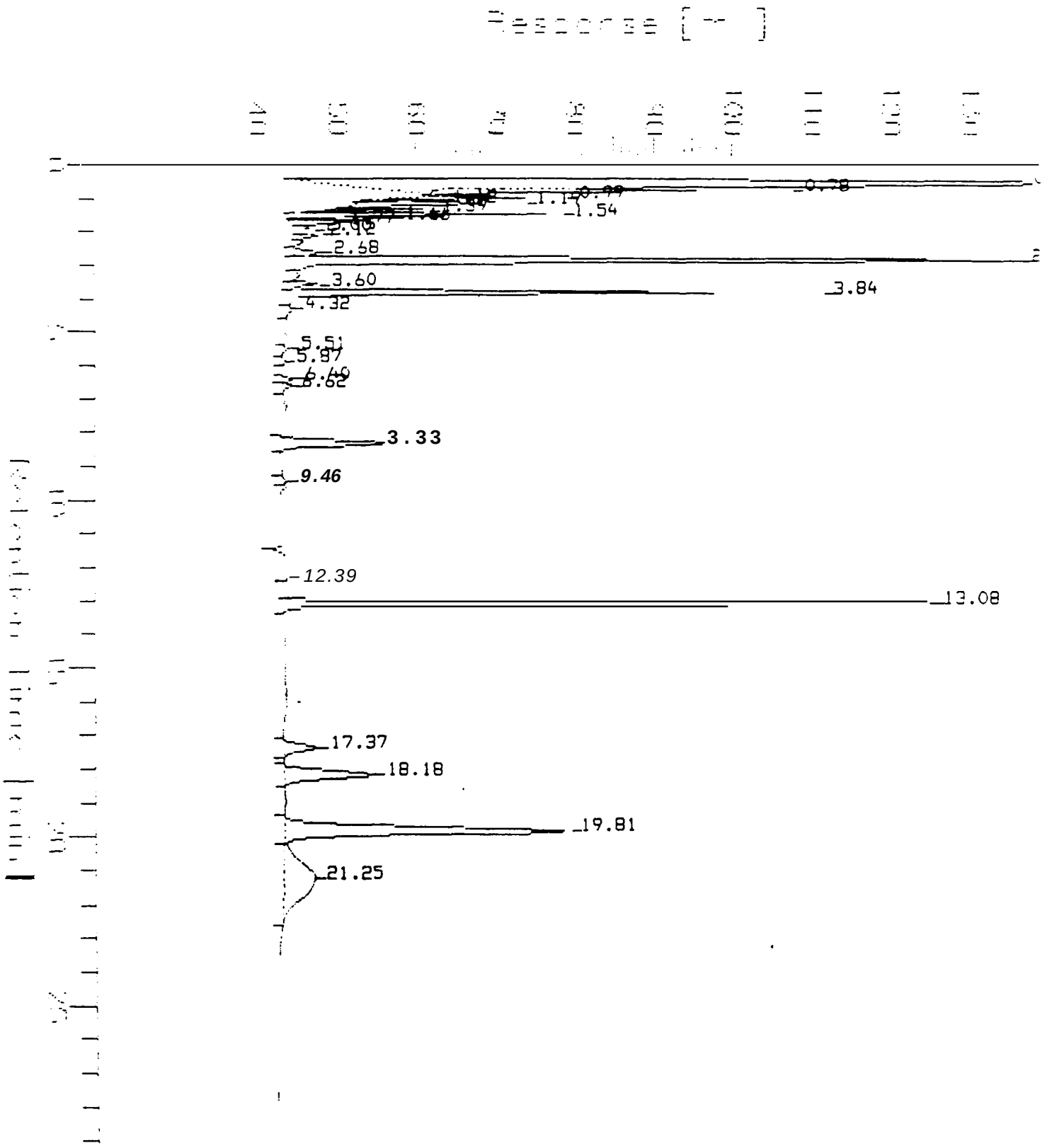
3200800

21	8.333		134763	13296	0.1348	
22	9.461		3272	407	0.0033	
23	12.386		46729	543	0.0473	000485
24	13.079		542963	82122	0.5430	
25	17.371		53565	4288	0.0537	
26	18.180		163325	11242	0.1633	
27	19.813	DBC 4-11-91	604864	36003	0.6049	77.670 RC
28	21.246		275219	3911	0.2752	4-12-91
			10044020	1576056		

Report Stored in ASCII File: C:\2700\DATA0\DP10040.TXT

Chromatogram

FileName : C:\2700\DATA0\DP10040.raw
Start Time : 0.00 min End Time : [illegible]
Scale Factor: -1 Plot Offset: [illegible]
Date : [illegible] Page : [illegible]
Low Point : [illegible] High Point : [illegible]
Plot Scale: [illegible]



Sample Name : Q10316502 TBA
Sample Number: P32 W066
Operator : LWM,RA

Time : 4/10/91 10:06 AM
Study :

000487

Interface # : 0 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 9:35 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10041.raw
Result File : C:\2700\DATA0\DP10041.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\DEFAULT.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 3500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 1.00
Divisor : 1.0000 Additive Constant: 0.00

Instrument Conditions:
HP589078

Total Number of Peaks Detected: 40

WATER SAMPLE ANALYSIS

Peak #	Ret Time [min]	Component Name	Area [uV-sec3]	Height [uV]	AMOUNT ug/1
1	0.609		8589604	885044	8.5896
2	0.664		1187404	614688	1.1874
3	0.706		2127969	688094	2.1280
4	0.807		2870816	592926	2.8708
5	1.390		95233	28383	0.0952
6	1.665		166123	49799	0.1661
7	1.760	NO PCBS	229459	55916	0.2295
8	2.686	DETECTED	25728	4588	0.0257
9	2.884		1368004	285989	1.3680
10	3.361		14132	2172	0.0141
11	3.521	LSG 4-10-91	16573	2525,	0.0166
12	3.811		22950	4430	0.0230
13	4.019		26633	3697	0.0266
14	4.399		8754	860	0.0088
15	4.967		17720	1509	0.0177
16	5.337		16856	1769	0.0169
17	5.529		50876	6351	3.0509
18	5.886		4443	725	0.0044
19	6.156		19693	2586	0.0197
20	6.401		13470	2087	0.0135

21	6.615		23933	2315	0.0239
22	6.891		13786	2153	0.0138
23	7.469		5540	1040	0.0055
24	8.268		98186	14688	0.0982
25	8.881		37263	2316	0.0373
26	9.145		6209	665	0.0062
27	9.706		12110	1112	0.0121
28	10.141		8036	814	0.0080
29	10.321		8509	1157	0.0085
30	10.666		12840	1029	0.0125
31	11.157		36900	1884	0.0369
32	11.849		65089	1651	0.0651
33	12.366		4900	507	0.0049
34	12.811		35166	3668	0.0352
35	13.119		8057	1148	0.0081
36	13.812		6718	662	0.0067
37	15.279		6472	526	0.0065
38	17.371		105248	8167	0.1053
39	18.170		241159	16096	0.2412
40	19.815	DBC LSG 4-10-91	848452	49769	0.8485
			18457014	3345502	

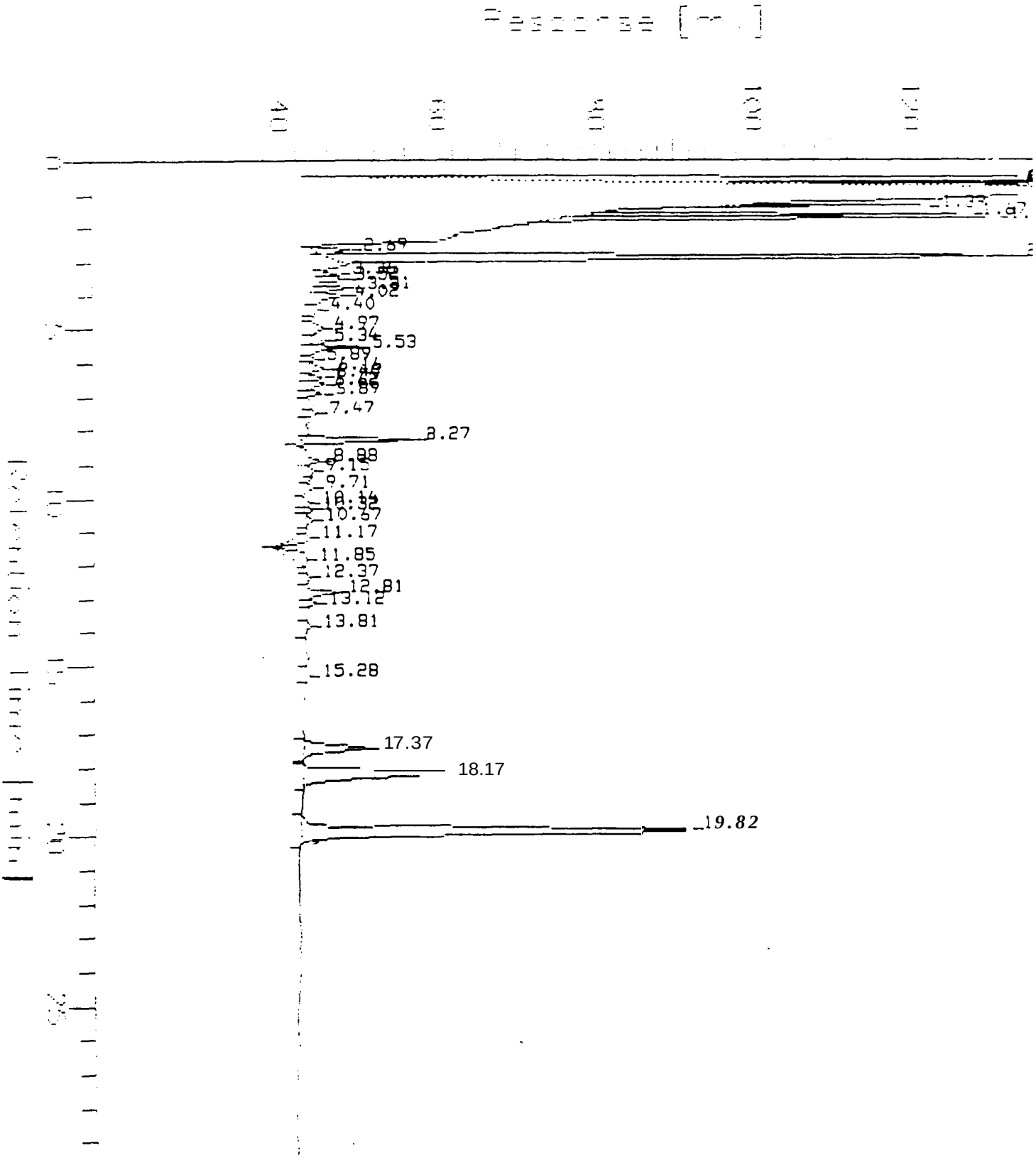
030488

Report Stored in ASCII File: C:\2700\DATA0\DP10041.TXO

3200862

Chromatogram

000489



Sample Name : Q10316503 Time : 4/10/91 10:41 AM
Sample Number: P32 WFB02 Study : 000490
Operator : LWM,RA

Interface # : 0 Channel : 9 A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 4/10/91 10:10 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : C:\2700\DATA0\DP10042.raw
Result File : C:\2700\DATA0\DP10042.rst
Instrument File: C:\2700\GEN7B.ins
Process File : C:\2700\GEN7B.prc
Sample File : C:\2700\DEFAULT.smp
Sequence File : C:\2700\DP1091.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 3500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 1.00
Divisor : 1.0000 Additive Constant: 0.00

Instrciment Conditions:
HP58907B

Total Number of Peaks Detected: 24

WATER SAMPLE ANALYSIS

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	AMOUNT ug/l
1	0.546		5710778	928767	5.7108
2	0.785		303433	44390	0.3034
3	0.997		121300	32774	0.1213
4	1.117		8746	3510	0.0088
5	1.195		35257	9031	0.0353
6	1.389	NO PCBS	60966	15354	0.0610
7	1.540		111654	31266	0.1117
8	1.664	DETECTED	40850	11476	0.0409
9	1.769		22127	4013	0.0221
10	2.124		6518	1605	0.0065
11	2.679	2SO 4-10-91	6753	1407.	0.0068
12	2.883		1328528	275496	1.3285
13	3.623		5597	859	0.0056
14	3.827		48484	9284	0.0485
15	5.508		5881	769	0.0059
16	5.891		7037	577	0.0070
17	6.398		10533	1728	0.0105
18	6.573		11137	1212	0.0111
19	8.272		66086	9791	0.0661
20	12.211		55955	644	0.0563

3200860

21	13.077		25269	3856	0.0253
22	17.372		43649	3512	0.0437
23	18.178		195088	13217	0.0[illegible]
24	19.809 YDBC	LSO 4-10-91	732184	46078	~~0.7832~~ 99% RECO[illegible]
			9013808	1450615	

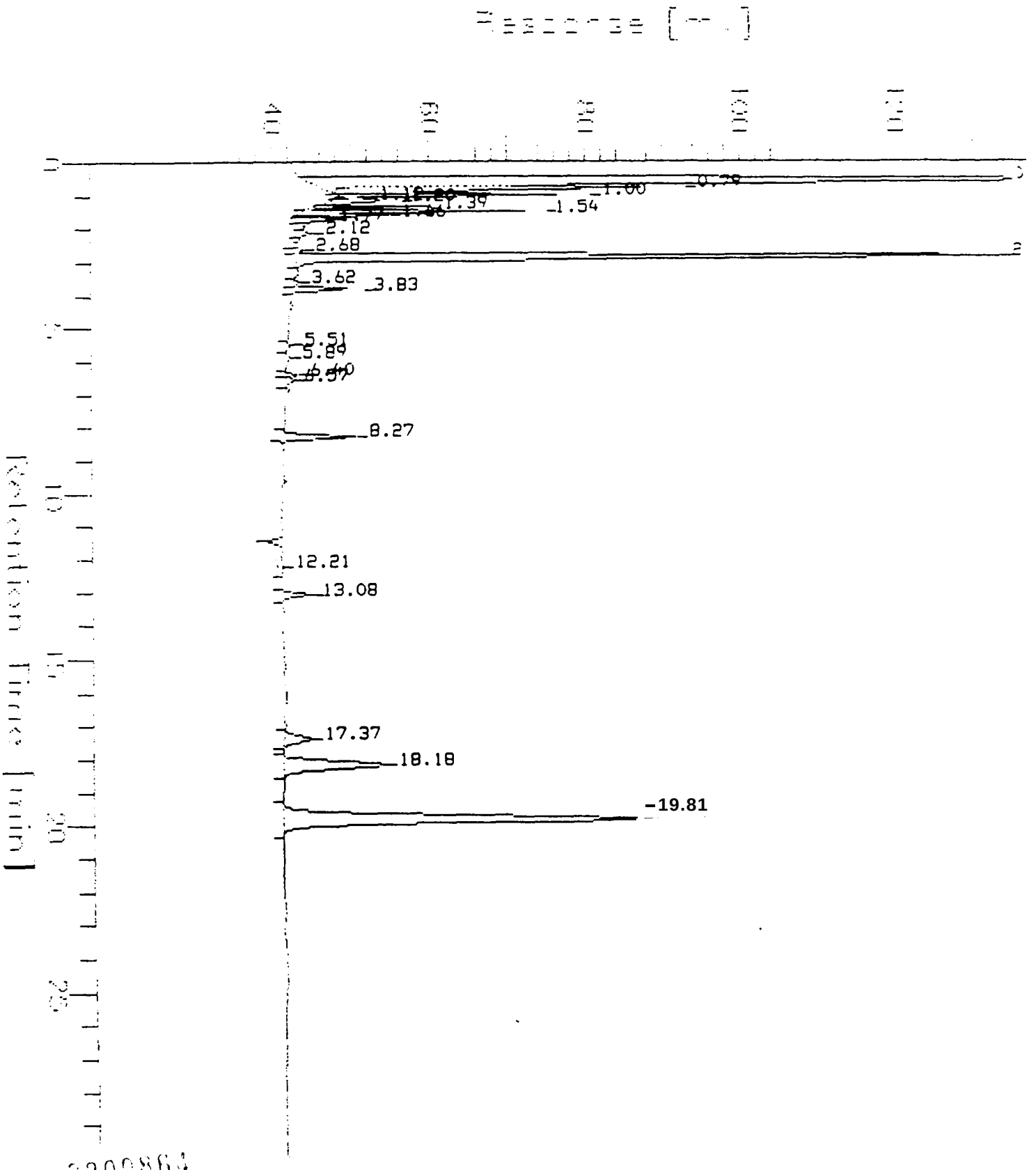
000491

Report Stored in ASCII File: C:\2700\DATAC\DP10042.TXO

Chromatogram

000492

FileName : C:\3700\DATA0\DP10343.raw
Start Time : 0.00 min End Time
Scale Factor: -1 Plot Offset:



3200864

INTERNATIONAL TECHNOLOGY CORPORATION

000493

By RA Date 4-10-91 Subject RCB Spoint on HP5890 Sheet No. ___ of ___

'hkd. By KG Date 4/11/91 DID Proj. No. ___

Pollutor	Spin →	1.0 ~~0.25~~	0.00 ~~0.50~~	1.0	0.00 ~~1.5~~	1.0 ~~2.0~~	$\bar{x}$	% RSD
1016	Area	DP10145		DP10148		DP10148 DP10143		
	Ht	153803	0.2	158098	-2.6	158098		
1260	Area							
	Ht	277101	2.1	282293	0.2	282293		
DBC	Area							
	Ht	485176	-4.6	479960	-3.4	477961		
1221	Area			DP10146				
	Ht			33209	0.4			
DBC	Area							
	Ht			485396	-4.6			
1232	Area			DP10047				
	Ht			115405	6.8			
DBC	Area							
	Ht			454888	2.0			
1242	Area			DP10048				
	Ht			165375	6.7			
DBC	Area			465780				
	Ht			920756	-0.3			
1248	Area			DP10049				
	Ht			125038	6.8			
DBC	Area							
	Ht			452300	2.5			
1254	Area			DP10050				
	Ht			353066	12			
DBC	Area							
	Ht			479390	-3.3			
DBC RF	Area							
	Ht							

Sequence File : C:\2700\AP1191.seq
Created by : on : 12/18/89 10:02 AM
Edited by : on : 4/11/91 3:38 PM
Number Of Times Edited : 2

0000494

Calc'd LSG, BA 4-12-91
J D Lm 4-12-91

Sequence File Header Information:

Study Name
Segment Interface : YES
Number of Cycles : 18

Sequence Sample Descriptions

Cycle	Sample Name	Sample Number	Sample Amount	ISTD Amount	Inj. Volume	Dil. Factor	Mult	Divisor	Addend	Inst File	Output Device
1	EVAL E	2-12-8	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6A	LPT1:
2	LOW A	1-203-7	1.000	1.000	1.900	1.000	1.000	1.000	0.000	GEN6A	LPT1:
3	MLOW 4	1-204-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6A	LPT1:
	HED A	1-310-7	1.000	1.000	1.000	1.600	1.000	1.906	0.000	GEN6A	LPT1:
5	MHIGH A	1-206-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6A	LPT1:
6	HIGH A	1-207-7	1.000	1.000	1.000	1,000	1.000	1.000	0.000	GEN6A	LPT1:
7	LOW B	1-208-7	1.000	1.000	1.000	1.000	1.000	1.OW	0.000	GEN6A	LPT1:
8	MLOW B	2-209-7	1.000	1.000	1.000	1.000	1.000	1,000	0.000	GEN6A	LPT1:
9	KED B	1-311-7	1.000	1.000	1.000	1,000	1.000	1.000	0.000	GEN6A	LPT 1:
10	MHIGH B	t-211-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6A	LPT1:
11	HIGH B	1-212-7	1.000	1.000	1,000	1.000	1.000	1.000	0.000	GEN6A	LPT1:
12	Q10316204	EL-11	1000.000	1.000	1.000	1.000	13,000	1.000	0.000	GEN6A	[illegible] :
13	E10316205	EL-19	1000.000	1.000	1,000	1.000	10.000	1.000	0.000	GEN6A	LPTI:
14	LCS 162,165	LCS162,165	1003.060	1.000	1.000	1.000	13.000	1.000	0.000	GEN6A	LPT1:
15	BLANK 162,165	BLK162,165	1000.000	1.000	1.000	1.000	10.000	1.000	0.000	GEN6A	LPT1:
16	ACETONE VERIF	ACET/HEX	1000.000	1.000	1.000	1.000	13.000	1.000	0.000	EEN0A	!
17	HED A	1-310-7	1.000	1.000	1.000	1.000	1.000	1.000	0.000	GEN6A	LP[illegible]
18	MED B	1-311-7	1.000	1.000	1.000	1.000	1,300	1.000	0.000	GEN6A	LPT1:

Sequence Process Description - Channel A

Cycle	Process File	Sample File	Report Format	Raw File	Result File	Baseline File	Modified Raw File	Crl Mode	Level Nan	Update RT	Norm. Factor
1	GEN6A	EVB608A	EVB608A	AP11001	AP11001			R	KED	Y	100.000
2	GEN6A	80A608A	INDA608A	AP11002	AP11002			R	Lou	Y	100.000
3	GEN6A	80A608A	INDA608A	AP11003	AP11003			R	MLOW	Y	100.000
4	GEN6A	80A608A	INDA608A	AP11004	AP11004			R	MED	Y	109.300
5	GEN6A	80A608A	INDA608A	AP11005	AP11005			R	MHIGH	Y	100.000
4	GEN6A	80A608A	INDA608A	AP11006	AP11006			R	HIGH	Y	100.000
7	GEN6A	80B608A	INDB608A	AP11007	AP11007			R	LOW	Y	100.000
8	GEN6A	80B608A	INDB608A	AP11008	AP11008			R	MLOW	Y	100.300
9	GEN6A	80B608A	INDB608A	AP11009	AP11009			R	KED	Y	100.090
10	GEN6A	80B608A	INDB608A	AP11010	AP11010			R	MHIGH	Y	100.000
11	GEN6A	80B608A	INDB608A	AP11011	AP11011			R	HIGH	Y	100.000
12	GEN6A	80B608A	SAMH20	AP11012	AP11012			N		N	100.300
13	GEN6A	80B608A	SAMH20	AP11013	AP11013			N		N	100.000
14	GEN6A	80A608A	SAMH20	AP11014	AP11014			N		H	100.000
15	GEN6A	80A608A	SAMH20	AP11015	AP11015			N		N	100.950
16	GEN6A	80A608A	SAM20	AP11016	AP11016			N		N	100.000
17	GEN6A	80A608A	INDA608A	AP11017	AP11017			R	MED	Y	100.000
18	GEN6A	80A608A	INDB608A	AP11018	AP11018			R	KED	Y	100.000

3200865

INTERNATIONAL TECHNOLOGY CORPORATION

000495

By [illegible] Date 4-11-91 Subject RETENTION TIME WINDOW Sheet No. ____ of ____

Chkd. By [illegible] Date 4/12/91 HP5890 6A DB608 Proj. No. ____

COMPOUND	$\bar{X}$	σ	3σ	RETENTION TIME WINDOW	RF
α-BHC	4.98	0.0115	0.03	4.95-5.01	678608 ✓
γ-BHC	6.31	0.0208	0.06	6.15-6.37	684882
β-BHC	6.47	0.0115	0.03	6.44-6.50	441335 ✓
HEPTACHLOR	7.23	0.0208	0.06	7.17-7.29	484510 ✓
δ-BHC	7.67	0.0115	0.03	7.64-7.70	583747 ✓ (5)?
ALDRIN	8.30	0.0231	0.07	8.23-8.37	505184 ✓
HEPTACHLOR EPOXIDE	10.30	0.0231	0.07	10.23-10.37	466870 ✓
γ-CHLORDANE		0.0173	0.05		
α-CHLORDANE		0.0173	0.05		
ENDOSULFAN I	11.49	0.0231	0.07	11.42-11.56	431345 ✓
4,4'-DDE	12.52	0.0173	0.05	12.47-12.57	345793 ✓
DIELDRIN	12.59	0.0231	0.07	12.52-12.66	368218 ✓
ENDRIN	13.90	0.0173	0.05	13.85-13.95	297587 ✓
4,4'-DDD	14.73	0.0231	0.07	14.66-4.80	201459 ✓
ENDOSULFAN II	14.75	0.0289	0.09	14.66-14.84	310837 ✓
4,4'-DDT	16.30	0.0321	0.10	16.10-16.30	197503 ✓
ENDRIN ALDEHYDE	16.44	0.0231	0.07	16.37-16.51	215807 ✓
ENDOSULFAN SULFATE	17.16	0.0289	0.09	17.07-17.25	221000 ✓
ENDRIN KETONE	22.67	0.0493	0.15	22.52-22.82	177151 ✓
METHOXYCHLOR	23.28	0.0586	0.18	23.10-23.46	64132 -(64173 [illegible])
DBC	19.96	1.5% $\bar{X}$ →	0.30	19.66-20.26	107228 ✓
TOXAPHENE		0.0252	0.08		
AROCLOR 1016		0.0058	0.02		
AROCLOR 1221		0.75% $\bar{X}$ →			
AROCLOR 1232		0.0058	0.02		
AROCLOR 1242		0.0115	0.03		
AROCLOR 1248		0.0173	0.05		
AROCLOR 1254		0.0173	0.05		
AROCLOR 1260		0.01	0.03		
TCMX	3.14	0.75% $\bar{X}$ →	0.02	3.12-3.16	419556

108-10-85

********** SUMMARY REPORT *********

000496

TCMX

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11002	5:29 PM	4/11/91	3.14	30419	935962	144729	4453210
AP11003	6:03 PM	4/11/91	3.13	51906	1059304	238096	4859102
AP11004	6:37 PM	4/11/91	3.13	61804	915613	291981	4325645
AP11005	7:12 PM	4/11/91	3.13	83452	855922	400665	4109382
AP11006	7:46 PM	4/11/91	3.12	108009	830837	512419	3941682
Averages			3.13	67118	919528	317578	4337804
%RSD			0.21	44.36	9.69	45.01	8.10

gamma-BHC

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11002	5:29 PM	4/11/91	6.21	4061	624774	24080	3704539
AP11003	6:03 PM	4/11/91	6.21	7191	756978	42132	4434921
AP11004	6:37 PM	4/11/91	6.20	8348	667822	50256	4020455
AP11005	7:12 PM	4/11/91	6.19	12226	660884	72115	3898088
AP11006	7:46 PM	4/11/91	6.19	17849	713952	103013	4120528
Averages			6.20	9935	684882	58319	4035706
%RSD			0.13	53.36	7.49	52.06	6.73

Heptachlor

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11002	5:29 PM	4/11/91	7.23	6392	511356	45532	3642520
AP11003	6:03 PM	4/11/91	7.23	9900	535114	70120	3790285
AP11004	6:37 PM	4/11/91	7.22	11352	454087	84184	3367368
AP11005	7:12 PM	4/11/91	7.21	17856	476151	131274	3500627
AP11006	7:46 PM	4/11/91	7.21	23542	470844	173284	3465672
Averages			7.22	13808	489510	100879	3553294
%RSD			0.12	49.58	6.73	50.68	4.65

Aldrin

Fiie Nase	Tire Of Injection	Date Of Injection	Ret. Tire	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11002	5:29 PH	4/11/91	8.30	6289	503116	45953	3676235
AP11003	6:03 PM	4/11/91	8.29	10013	541232	72667	3927949
AP11004	6:37 PM	4/11/91	8.29	11067	442681	79162	3166490
AP11005	7:12 PM	4/11/91	8.28	19013	507000	136133	3630214
AP11006	7:46 PM	4/11/91	8.28	25845	516893	184354	3687080
Averages			8.29	14445	502184	103654	3617594
XRSD			0.11	54.55	1.25	53.94	1.67

Hept. epoxide

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11002	5:29 PM	4/11/91	10.30	5961	476901	44368	3549400

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AP11003	6:03 PM	4/11/91	10.29	9414	508849	69197	3740366
AP11004	6:37 PM	4/11/91	10.29	10639	425552	79689	3187570
AP11005	7:12 PM	4/11/91	10.27	17175	457988	127491	3399772
AP11006	7:46 PM	4/11/91	10.27	23253	465059	171250	3425007
Averages			10.28	13288	466870	98399	3460423
%RSD			0.10	51.88	6.47	51.51	5.88

000497

Endosulfan I

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11002	5:29 PM	4/11/91	11.49	5483	438657	41101	3288040
AP11003	6:03 PM	4/11/91	11.49	8577	463620	63104	3411026
AP11004	6:37 PM	4/11/91	11.48	9930	397193	77010	3080380
AP11005	7:12 PM	4/11/91	11.47	16062	428320	121270	3233867
AP11006	7:46 PM	4/11/91	11.47	21459	429187	163158	3263165
Averages			11.48	12302	431395	93129	3255296
%RSD			0.09	52.05	5.53	52.51	3.65

Dieldrin

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11002	5:29 PM	4/11/91	12.59	4633	370656	35543	2843460
AP11003	6:03 PM	4/11/91	12.59	7295	394340	55052	2975762
AP11004	6:37 PM	4/11/91	12.58	8495	339785	67432	2697270
AP11005	7:12 PM	4/11/91	12.57	13728	366085	104685	2791600
AP11006	7:46 PM	4/11/91	12.57	18511	370223	141929	2838570
Averages			12.58	10533	368218	80928	2829333
%RSD			0.08	52.72	5.27	52.41	3.56

Endosulfan II

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11002	5:29 PM	4/11/91	14.75	8098	323932	78446	3137820
AP11003	6:03 PM	4/11/91	14.74	12606	336149	122709	3272241
AP11004	6:37 PM	4/11/91	14.73	13918	278355	138849	2776980
AP11005	7:12 PM	4/11/91	14.72	22757	303426	220933	2945767
AP11006	7:46 PM	4/11/91	14.72	31232	312324	305354	3053540
Averages			14.73	17722	310837	173258	3037270
%RSD			0.09	52.11	7.06	51.99	6.20

4,4'-DDT

File Name	Tire Of injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTGR (RF) HEIGHT	Area	RESPOWSE FACTOR (RF) AREA
AP11002	5:29 PM	4/11/91	16.20	4971	198826	52674	2106960
AP11003	6:03 PM	4/11/91	16.19	9099	215979	87499	2333306
AP11004	6:37 PM	4/11/91	16.18	8885	177704	97194	1943870
AP11005	7:12 PM	4/11/91	16.17	14107	188090	154169	2055587
AP11006	7:46 PM	4/11/91	16.17	20492	204921	226054	2260540
Averages			16.18	11311	197104	123518	2140053
XRSD			0.09	53.87	7.52	55.00	7.34

000498

DBC

File Yare	Tire Of Injection	Date Of Injection	Ret. Tire	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11002	5:29 PM	4/11/91	19.96	7362	117796	127646	2042329
AP11003	6:03 PM	4/11/91	19.94	10934	116317	191654	2038867
AP11004	6:37 PM	4/11/91	19.94	11703	94340	210717	1685736
AP11005	7:12 PM	5/11/91	19.91	19017	101426	37123	1797988
AP11006	7:46 PM	4/11/91	19.92	26566	106263	471705	1886820
Averages			19.93	15134	107228	267769	1890348
XRSD			0.10	53.04	21.27	51.17	8.18

Methoxychlor

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11002	5:29 PM	4/11/91	23.29	8845	70757	172608	1380860
AP11003	6:03 PM	4/11/91	23.26	13164	70209	262458	1399776
AP11004	6:37 PM	4/11/91	23.24	14819	59277	302179	1208716
AP11005	7:12 PM	4/11/91	23.22	22269	59383	451366	1203643
AP11006	7:46 PM	4/11/91	23.22	30516	61032	624769	1249537
Averages			23.25	17923	64131	362676	1288506
XRSD			0.12	47.69	9.11	49.01	7.36

ASCII File Created Successfully - Stored in: C:\2700\TCXJ.csv

3200867

********** SUMMARY REPORT **********

TCMX

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11007	8:20 PM	4/11/91	3.13	29229	899347	139411	4289577
AP11008	8:54 PM	4/11/91	3.13	39067	797701	185638	3788521
AP11009	9:29 PM	4/11/91	3.13	61064	939452	295612	4547894
AP11010	10:03 PM	4/11/91	3.13	85013	871929	400928	4112077
AP11011	10:37 PM	4/11/91	3.13	106647	820365	505968	3892064
Averages			3.13	64208	865759	305511	4126025
XHSD			0.03	49.85	6.66	49.46	7.41

alpha-BHC

File hare	Time Of Injection	Date Of Injection	Ret. Tire	Heiyht	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11007	8:20 PM	4/11/91	4.98	4205	646646	23307	3585621
AP11008	8:54 PM	4/11/91	4.98	5526	581696	33174	3176211
AP11009	9:29 PM	4/11/91	4.99	8721	698155	50137	4010940
AP11010	10:03 PH	4/11/91	4.99	13507	730080	71275	3852717
AP11011	10:37 PM	4/11/91	4.98	18437	736262	98941	3957640
Averages			4.98	10074	470608	54767	3716626
XRSD			0.04	58.34	9.54	56.57	9.25

beta-BHC

File Yare	Time Of Injection	Date Of Injection	Ret. Tire	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11007	8:20 PM	4/11/91	6.41	5419	433531	30314	2425122
AP11008	8:54 PM	4/11/91	6.47	7411	400583	63222	2336323
AP11009	9:29 PH	4/11/91	6.47	11286	451448	66891	2675622
AP11010	10:03 PM	4/11/91	6.47	17152	457378	100123	2669953
AP11011	10:37 PM	4/11/91	4.47	23162	463235	135101	2702010
Averages			6.41	12886	441235	75130	2561806
XRSD			0.03	56.51	5.73	56.92	6.59

delta-BHC

File Name	Tire Of Injection	Date Of injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11007	8:20 PM	4/11/91	7.67	b147	491746	36759	2940740
AP11008	8:54 PM	4/11/91	7.67	e443	647977	49885	3828408
AP11009	9:29 PM	4/11/91	1.67	13906	556250	82131	3285220
AP11010	10:03 PM	4/11/91	7.47	22367	596465	125211	3338953
AP11011	10:37 PM	4/11/91	7.47	31315	624295	178317	3566330
Averages			1.67	16436	583746	94460	3391930
XRSD			0.03	63.28	10.60	61.38	9.76

4,4'-DDE

File Nare	Tire Of Injection	Date Of Injection	Ret. Tire	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11007	8:20 PM	4/11/91	12.53	4264	341112	31652	2532175

AP11008	8:54 PM	4/11/91	12.52	5611	303281	40141	2169757
AP11009	9:29 PM	4/11/91	12.53	8785	351392	64314	2572550
AP11010	10:03 PM	4/11/91	12.53	13585	362256	97005	2586787
AP11011	10:37 PM	4/11/91	12.52	18546	370923	130611	2612220
Averages			12.53	10158	345793	72744	2494698
XRSD			0.02	58.12	7.60	56.51	7.37

000500

Endrin

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11007	8:20 PM	4/11/91	13.90	3473	277824	29961	2396840
AP11008	8:54 PM	4/11/91	13.90	4805	259716	41362	2235771
AP11009	9:29 PM	4/11/91	13.91	7558	302305	64978	2599100
AP11010	10:03 PM	4/11/91	13.90	11853	316088	101334	2702227
AP11011	10:37 PM	4/11/91	13.90	16600	332003	138580	2771600
Averages			13.90	8858	297587	75243	2541108
XRSD			0.02	60.81	9.76	59.42	8.72

4,4'-DDD

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11007	8:20 PM	4/11/91	14.73	4999	199960	45859	1834373
AP11008	8:54 PM	4/11/91	14.72	6522	173930	58115	1549733
AP11009	9:29 PM	4/11/91	14.73	10212	204243	92142	1842830
AP11010	10:03 PM	4/11/91	14.73	15840	211205	139141	1855217
AP11011	10:37 PM	4/11/91	14.72	21796	217958	188590	1885899
Averages			14.73	11874	201459	104769	1793610
XRSD			0.02	58.48	8.36	56.50	7.68

Endrin ald.

File Name	Tire Of Injection	Date Of Injection	Ret. Tin	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11007	8:20 PM	4/11/91	16.44	5077	203069	61890	2475615
AP11008	8:54 PM	4/11/91	16.43	7347	195925	88552	2361378
AP11009	9:29 PM	4/11/91	16.44	11057	221139	136184	2723685
AP11010	10:03 PM	4/11/91	16.44	17012	226823	204517	2726008
AP11011	10:37 PM	4/11/91	16.43	23208	232081	276319	2763186
Averages			16.44	12740	215807	153492	2610151
XRSD			0.03	58.01	7.22	56.98	6.91

Endo. sulfate

File Name	Tire Of Injection	Date Of Injectien	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11007	8:20 PM	4/11/91	17.16	5005	200209	63973	2558905
AP11008	8:54 PM	4/11/91	17.15	8100	216009	101826	2715370
AP11009	9:29 PM	4/11/91	17.16	11257	225137	142779	2855585
AP11010	10:03 PM	4/11/91	17.15	17036	227140	211297	2816093
AP11011	10:37 PM	4/11/91	17.15	23650	236504	290024	2900241
Averages			17.15	13010	221000	161962	2769239
XRSD			0.03	57.09	6.21	55.58	4.91

3200868

000501

DBC

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11007	8:20 PM	4/11/91	19.93	6091	97448	108569	1737096
AP11008	8:54 PM	4/11/91	19.93	8587	91347	151328	1609872
AP11009	9:29 PM	4/11/91	19.94	12565	100521	229034	1832268
AP11010	10:03 PM	4/11/91	19.94	19600	104535	343187	1830328
AP11011	10:37 PM	4/11/91	19.93	27423	109693	477176	1908702
Averages			19.93	14853	100709	261858	1783653
%RSD			0.02	58.48	6.91	57.21	6.43

Endrin ketone

File Name	Time Of Injection	Date Of Injection	Ret. Time	Height	RESPONSE FACTOR (RF) HEIGHT	Area	RESPONSE FACTOR (RF) AREA
AP11007	8:20 PM	4/11/91	22.67	3967	158685	71481	2859251
AP11008	8:54 PM	4/11/91	22.67	5721	152552	105650	2817320
AP11009	9:29 PM	4/11/91	22.68	9259	185171	175950	3518995
AP11010	10:03 PM	4/11/91	22.67	14186	189140	265872	3544953
AP11011	10:37 PM	4/11/91	22.66	20021	200206	367736	3677363
Averages			22.67	10631	177151	197338	3283576
%RSD			0.03	61.54	11.59	61.25	12.52

ASCII File Created Successfully - Stored in: C:\2700\TCXL.csv

Sample Name : EVAL B
Sample Number: 2-12-8
Operator : SJG

Time : 4/11/91 5:25 PM
Study : 000502

Interface # : 2 Channel : A A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 4:55 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11001.raw
Result File : c:\2700\data2\AP11001.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\EVB608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000

EVAL B ON DB 608

V jt 4-12-91

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
2	0.519		260788	1000000	113321	434533	0.2608
3	0.628		90275	1000000	25951	287463	0.0903
4	0.848		356128	1000000	68780	193133	0.3561
8	8.297	Aldrin	50787	4062938	6876	550054	0.0125
12	13.919	ENDRIN	141644	2832880	17109	342180	0.0500
14	16.201	4,4'-DDT	108298	2165950	9961	199214	0.0500
15	18.340		10087	1000000	711	70432	0.0101
16	19.956	DBC	93743	2083167	5487	121928	0.0450
17	22.728	Endrin ketone	7882	----------	387	----------	0.0000
			1119631		248581		0.8748

%BREAK(PK HT): 1.4%
LSG 4-11-91

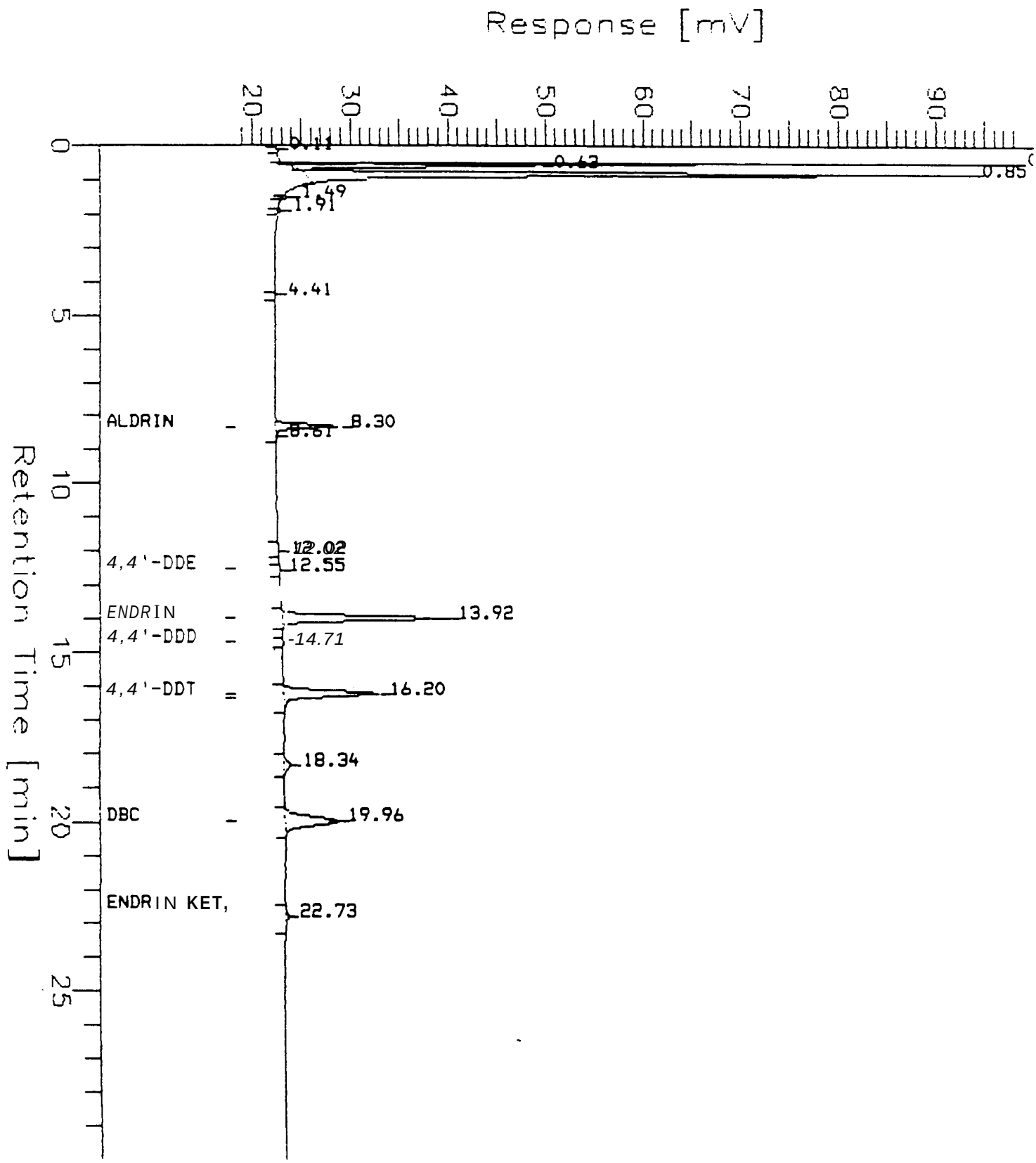
3200860

Chromatogram

000503

FileName : c:\2700\data2\AP11001.raw
Date : 4/11/91 5:26 PM

Start Time : 0.00 rin
End Tire : 30.30 rin
Low Point : 18.33 mV
High Point : 98.33 mV
Scale Factor: -1
Plot Offset: la mV
Plot Scale: EO mV



Sample Name : LOW A
Sample Number: 1-203-7
Operator : SJG

Time : 4/11/91 6:00 PM
Study : 5 POINTS

000504

Interface # : 2 Channel : A A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 5:29 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11002.raw
Result File : c:\2700\data2\AP11002.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80A608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL A FOR DB608

Peak #	Ret Tire [min]	Component Name	Area (uV-sec)	RF AREA	Height (uV)	RF HEIGHT	Amount ug/ml
1	0.111		1667	1000000	232	139001	0.0017
2	0.518		787577	1000000	336687	427498	0.7876
3	0.625		186339	1000000	61739	331329	0.1863
4	0.850		160985	1000000	36513	226808	0.1610
e	1.114		3307	1000000	1663	490824	0.0034
6	1.290		1791	1000000	816	455253	0.0018
7	1.488		3765	1000000	1030	272259	0.0038
8	1.905		1274	1000000	338	265658	0.0013
9	3.139	TCMX	144729	4453210	30419	935962	0.0325
10	4.122		1514	1000000	324	214144	0.0015
11	6.210	gamma-BHC	24080	3704539	4061	624774	0.0065
12	6.761		681	1000000	129	188881	0.0007
13	7.229	Heptachlor	45532	3642520	6392	511356	0.0125
14	8.297	Aldrin	45953	3676235	6289	503116	0.0125
15	8.613		6883	1000000	968	140674	0.0069
16	10.297	Wept epoxide	44368	3549400	5961	476901	0.0125
17	11.494	Endosulfan I	41101	3288040	5483	438657	0.0125
18	12.593	Dieldrin	35543	2843460	4633	370656	0.0125
19	14.746	Endosulfan II	18446	3137820	8098	323932	0.0250
20	16.203	4,4'-DDT	52674	2106960	4971	198826	0.0250
21	17.532		1511	1000000	122	80834	0.0615
22	18.344		25539	1000000	1719	67295	0.0235
23	19.962	DBC	127646	2042329	7362	117796	0.0625
24	23.285	Methoxychlor	172604	1380860	8845	70757	0.1250

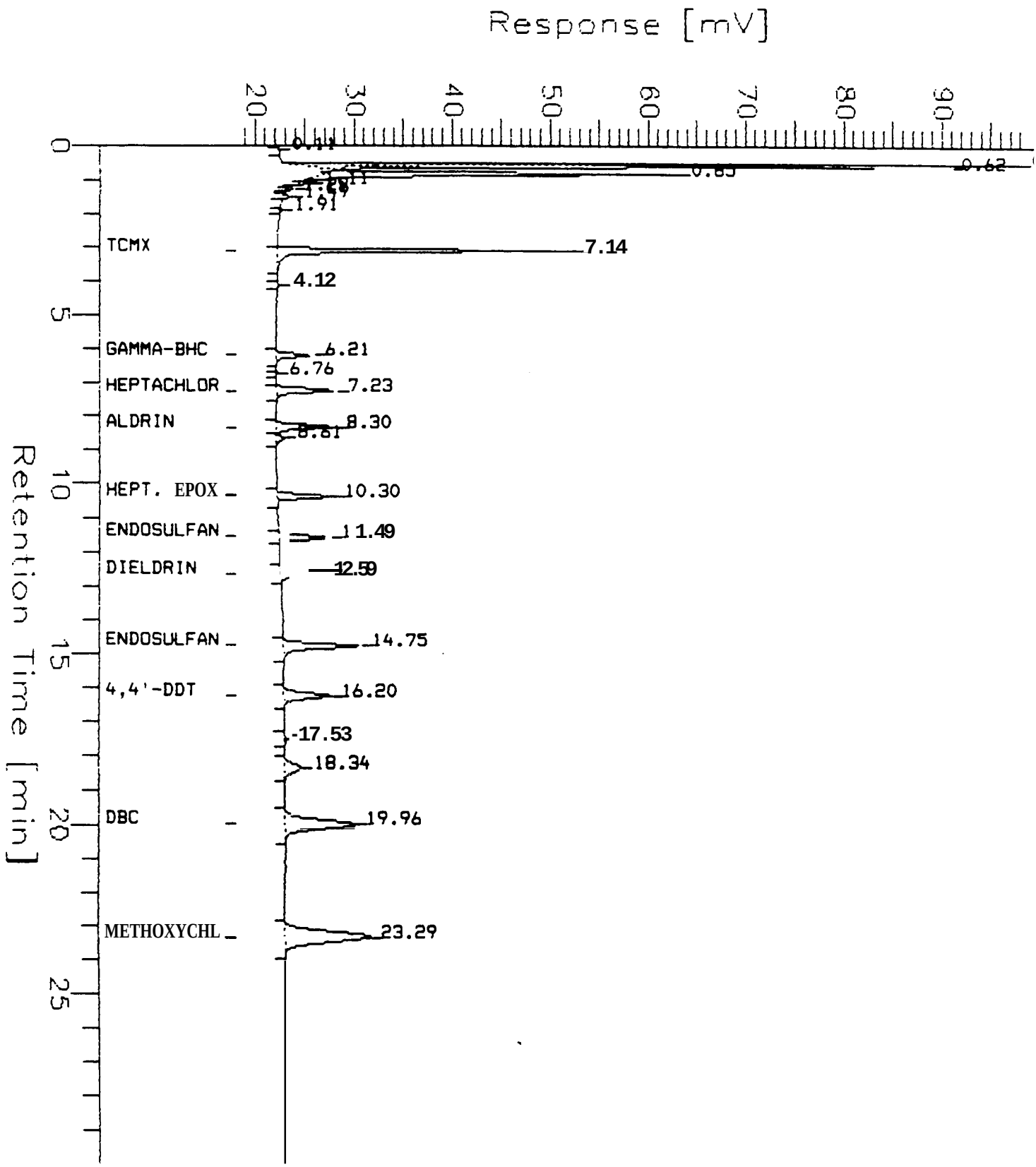
3200870

Chromatogram

000505

FileName : c:\2700\data2\AP11002.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 18 mV

Date : 4/11/91 6:00 PM
Low Point : 16.07 mV High Point : 98.07 mV
Plot Scale: 80 mV



Sample Name : MLOW A
Sample Number: 1-204-7
Operator : SJG

Time : 4/11/91 6:34 PM
Study : 5 POINTS

000506

Interface # : 2 Channel : A A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 6:03 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data file : c:\2700\data2\AP11003.raw
Result File : c:\2700\data2\AP11003.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample file : C:\2700\80A608A.smp
Sequence file : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL A FOR DB608

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.109		1713	1000000	231	134994	0.0017
2	0.423		5098	1000000	1132	221988	0.0051
3	0.517		1611477	1000000	710821	441099	1.6115
4	3.624		177419	1000000	54728	300469	0.1774
5	0.845		412214	1000000	77382	187723	0.4122
b	1.108		9863	1000000	2600	263558	0.0099
7	1.285		1452	1000000	758	522126	0.0015
8	1.479		4734	1000000	1205	271503	0.0047
9	1.797		1664	1000000	640	384649	0.0017
10	1,900		1751	1000000	490	279869	0.0018
11	3.134	TCMX	238096	4859102	51906	1059304	0.0490
12	4.116		2714	1000000	572	210609	0.0027
13	5.732		784	1000000	85	108518	0.0008
14	6.206	gamma-BHC	42132	4434921	7191	756978	0.0095
15	6.756		1625	1000000	253	155487	0.0016
16	7.225	Heptachlor	70120	3790285	9900	535114	0.0185
17	8.291	Aldrin	72667	3927949	10013	541232	0.0185
18	8.607		2142	1000000	330	154206	0.0021
19	9.788		370	1000000	59	160473	0.0004
20	10.290	Hept. epoxide	69197	3740366	9614	508849	0.0185
21	11.486	Endosulfan I	63104	3411026	8577	463620	0.0185
22	12.586	Dieldrin	55052	2975762	7295	394340	0.0185
23	14,737	Endosulfan II	122709	3272241	12606	336149	0.0375
24	16.192	4,4'-DDT	87499	2333306	8099	215979	0.0375

3200871

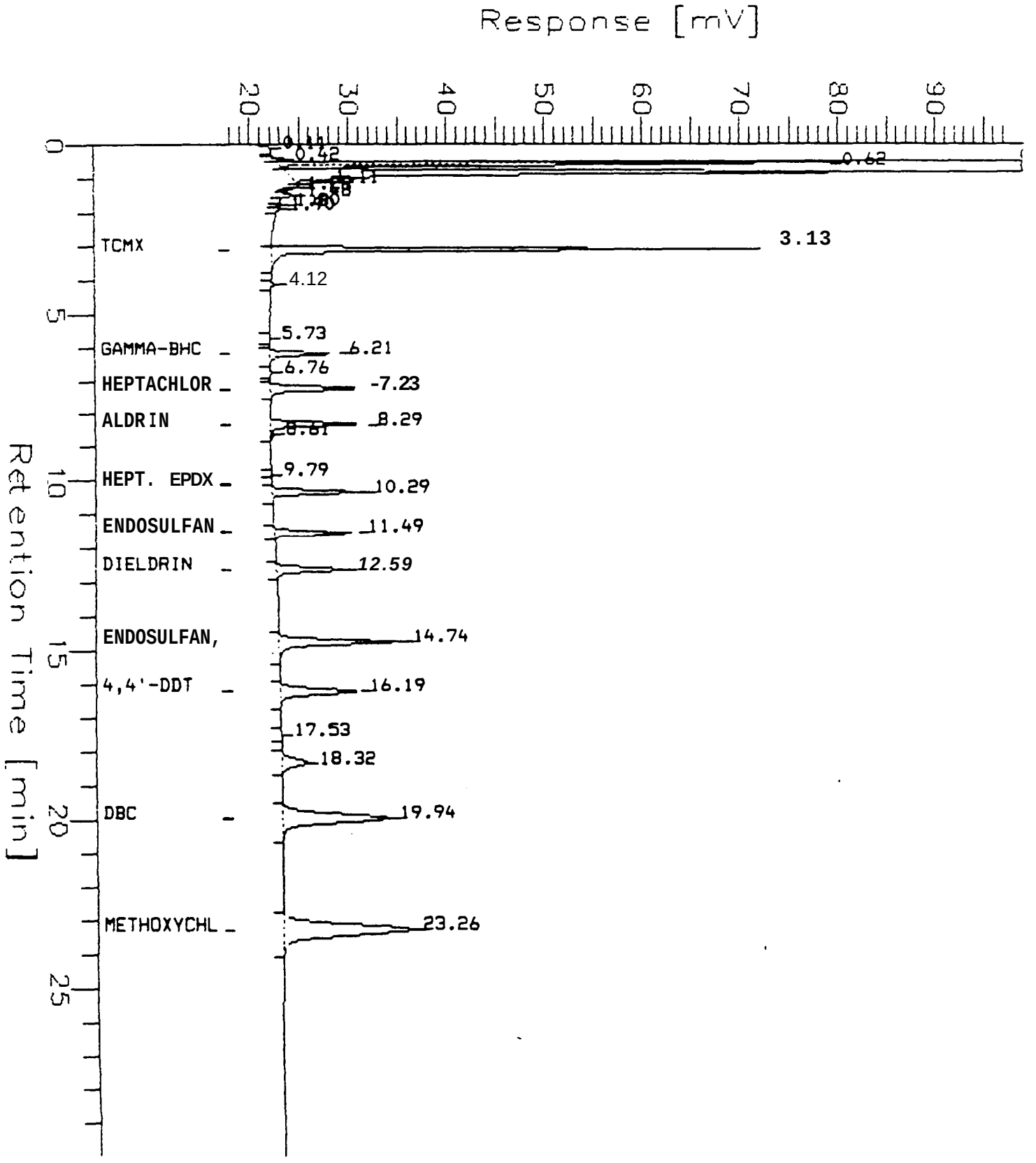
25	17.532		934	1000000	77	82476	0.0009
26	18.324		38465	1000000	2602	67638	0.0385
27	19.943	DBC	191654	2038867	10934	116317	0.0940
28	23.262	Methoxychlor	262458	1399776	13164	70209	0.1875
			3549105		1003142		2.7819

000507

Chromatogram

000508

FileName : c:\2700\data2\AP11003.raw
Start Time : 0.00 min
End Time : 30.00 min
Scale Factor: -1
Plot Offset: 18 mV
Date : 4/11/91 6:34 PM
Low Point : 17.90 mV
Plot Scale: 80 mV
High Point : 97.90 mV



3200872

Sample Name : MED A
Sample Number: 1-310-7
Operator : SJG

Time : 4/11/91 7:08 PM
Study : 5 PCBs

000509

Interface # : 2 Channel : A A/D mV Range : 1000
AutoSampler : Hcwlett-Packard 7673A
Rack/Via1 : 0/0

Data Acquisition Time: 4/11/91 6:37 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11004.raw
Result File : c:\2700\data2\AP11004.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80A608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL A FOR DB608

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.109		1548	1000000	216	139478	0.0016
2	0.400		4578	1000000	1087	237366	0.0046
3	0.517		2858669	1000000	968646	338845	2.8587
4	0.725		53144	1000000	0	0	0.0531
5	0.846		209134	1000000	42336	202433	0.2091
6	1.108		4680	1000000	1641	350722	0.0047
7	1.285		1100	1000000	529	480965	0.0011
8	1.474		3551	1000000	984	276975	0.0036
9	1.900		750	1000000	199	265234	0.0008
10	3.130	TCMX	291981	43215645	61804	915613	0.0675
11	4.112		3155	1000000	665	210768	0.0032
12	6.203	gamma-BHC	50256	4020455	8348	667822	0.0125
13	6.753		1691	1000000	290	171442	0.0017
14	7.220	Heptachlor	84184	3367368	11352	454087	0.0250
15	8.286	Aldrin	79162	3166490	11067	442681	0.0250
16	9.785		482	1000000	79	163539	0.0005
17	10.285	Hept. epoxide	79689	3187570	10639	425552	0.0250
18	11,482	Endosulfan I	77010	3080380	9930	397193	0.0250
19	12.582	Dieldrin	67432	2697210	8495	339785	0.0250
20	13.829		827	1000000	66	79655	0.0008
21	14.731	Endosulfan II	138849	2776980	13918	278355	0.0500
22	16.183	4,4'-DDT	97194	1943870	8885	177704	0.0500
23	18.315		30234	1000000	2028	67077	0.0302
24	19.936	DBC	210717	1685736	11793	94340	0.1250

25	23.244	Methoxychlor	302179	1208716	14819	59277	0.2500
			4652194		1189813		3.8535

000510

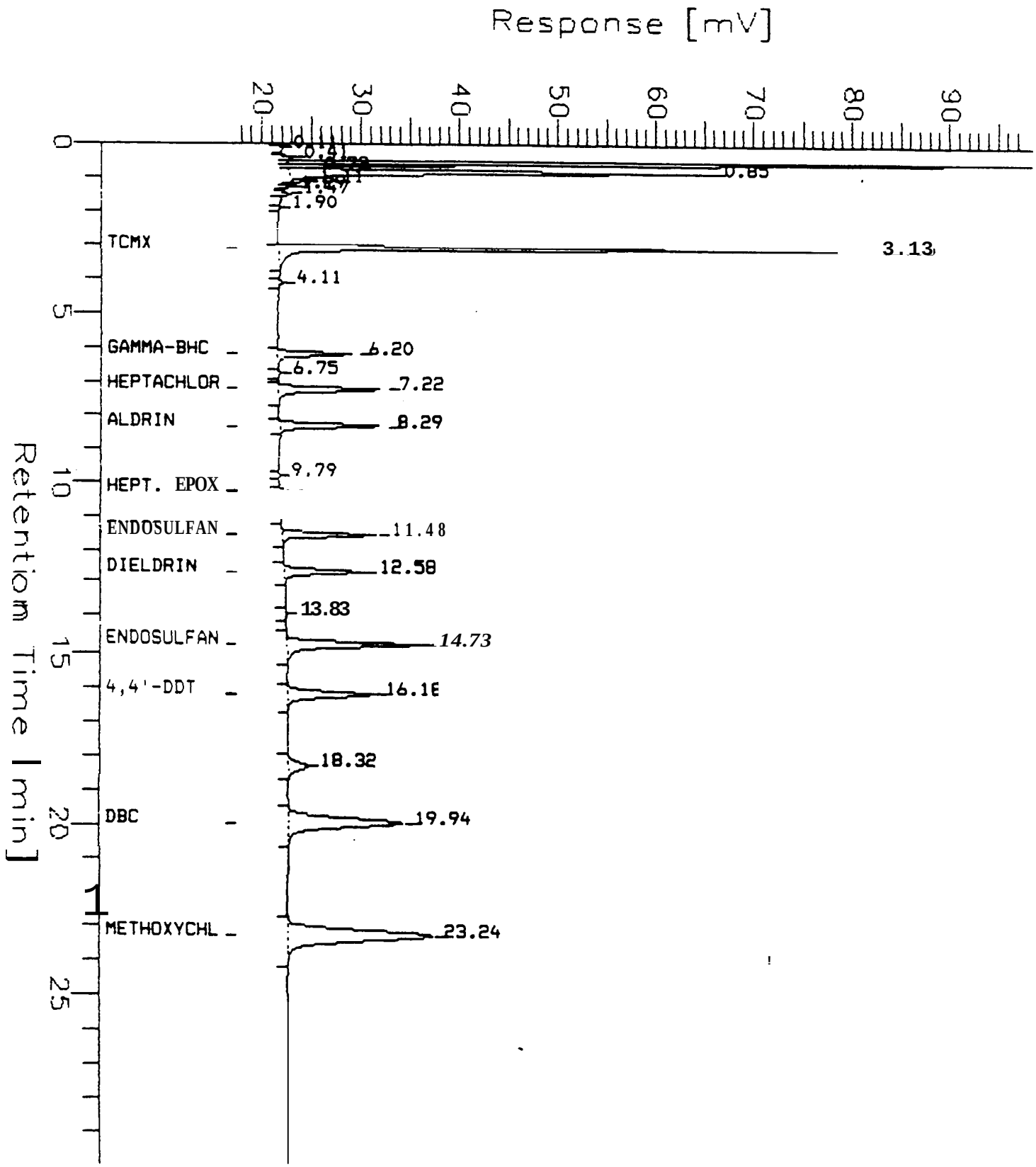
3200873

Chromatogram

000577

FileName : c:\2700\data2\AP11004.raw
Date : 4/11/91 7:08 PM

Start Time : 0.00 rin
End Time : 30.00 rin
Loa Point : 17.54 aV
High Point : P7.56 aV
Scale Factor: -1
Plot Offset: 18 aV
Plot Scale: 80 aV



Sample Name : MHIGH A
Sample Number: 1-206-7
Operator : SJG

Time : 4/11/91 7:42 PM
Study : 5 POINTS

000572

Interface # : 2 Channel : A A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 7:12 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11005.raw
Result File : c:\2700\data2\AP11005.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80A608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL A FOR DB608

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.108		1171	1000000	188	160652	0.0012
2	0.517		888604	1000000	375210	422246	0.8886
3	0.620		295914	1000000	80475	271954	0.2959
4	0.844		392610	1000000	75499	192300	0.3926
5	1.106		21405	1000000	3079	143851	0.0214
b	1.282		10020	1000000	1659	165523	0.0100
7	1.471		10856	1000000	1982	1e2527	0.0109
8	1.698		1028	1000000	334	324527	0.0010
9	1.897		1597	1000000	427	267577	0.0016
10	3.125	TCMX	400665	4109382	83452	855922	0.0975
11	4.107		5224	1000000	997	190782	0.0052
12	5.722		974	1000000	112	114893	0.0010
13	6.194	gamma-BHC	72115	3898088	12226	660884	0.0185
14	b.744		2932	1000000	448	152687	0.0029
15	7.211	Heptachlor	131274	3500627	17856	476151	0.0375
16	8.277	Aldrin	136133	3630214	19013	507000	0.0375
17	8.590		2922	1000000	434	148510	0.0029
18	9.m		932	1000000	132	141490	0.0009
19	10.274	Hept. epoxide	127491	3399772	17175	457988	0.0375
20	11.171	Endosulfan I	121270	3233867	16062	420320	0.0375
21	12.571	Dieldrin	104685	2791600	13728	366085	0.0375
22	13.814		1467	1000000	103	70376	0.0015
23	14.717	Endowlfan II	220933	2945767	22757	303426	0.0750
24	16.170	4,4'-DDT	154169	2055587	14107	188090	0.0750

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25	17.469		1623	1000000	124	76164	0.0016
26	18.301		67531	1000000	4481	66351	0.0675
27	19.914	DBC	337123	1797988	19017	101426	0.1875
28	23.221	Methoxychlor	451366	1203643	22269	59383	0.3750
			3964030		803342		2.7228

000513

Chrornatoaram

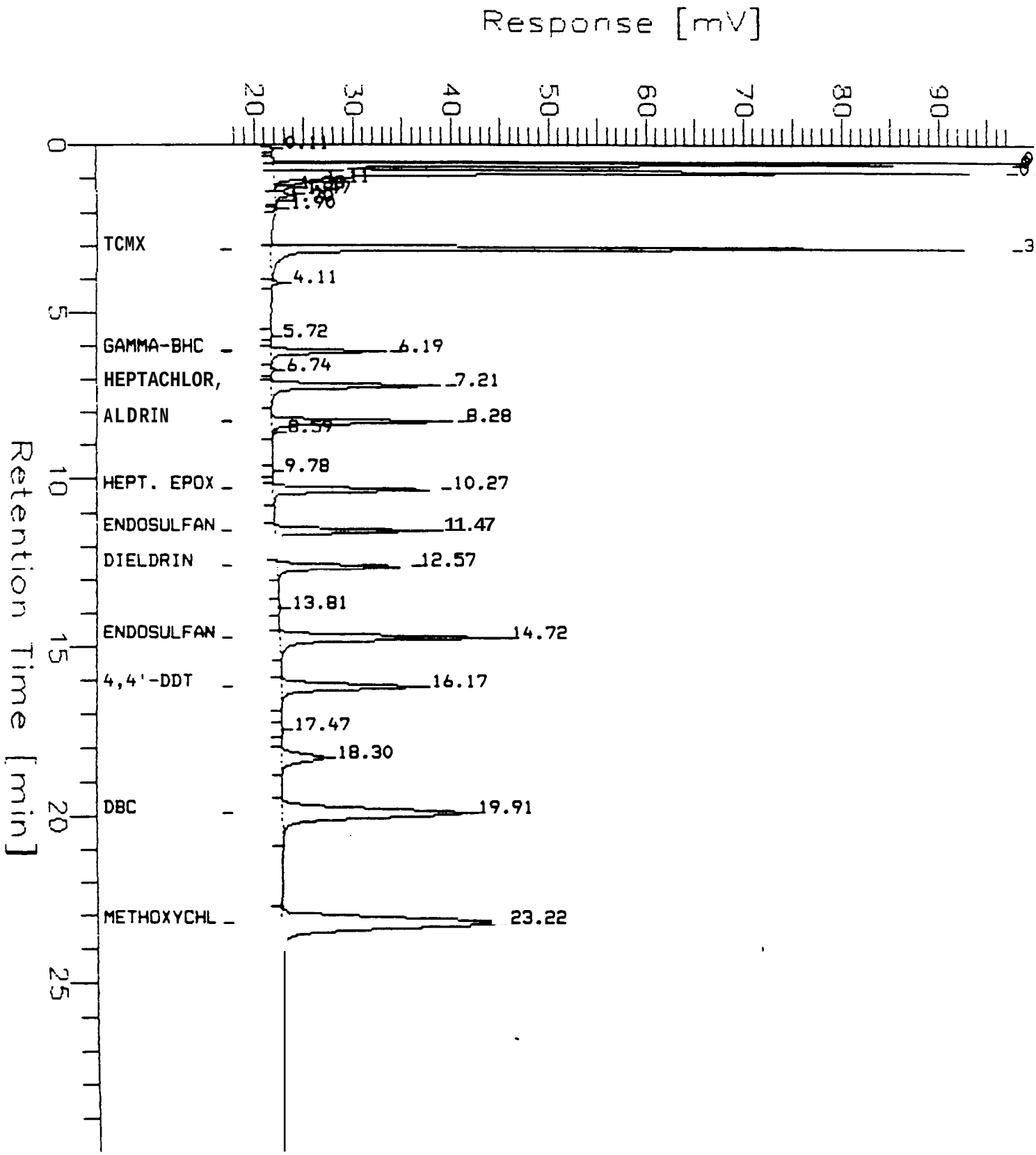
000514

FileName : c:\2700\data2\AP11005.raw
Start Time : 0.00 min
Scale Factor: -1

End Tin : 30.00 min
Plot Offset: 18 mV

Date : 4/11/91 7:43 PM
Low Point : 17.64 mV
Plot Scale: 80 mV

High Point : 97.64 mV



3200875

Sample Name : HIGH A
Sample Number: 1-207-7
Operator : SJG

Time : 4/11/91 8:17 PM
Study : 5 POINTS

Interface # : 2 Channel : A A/D mV Range : 1000 000515
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 7:46 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11006.raw
Result File : c:\2700\data2\AP11006.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80A608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL A FOR DB608

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.110		1360	1000000	197	144659	0.0014
2	0.406		2619	1000000	627	239263	0.0026
3	0.516		503390	1000000	215246	427593	0.5034
4	0.621		237254	1000000	72827	306939	0.2373
5	0.844		225597	1000000	50845	225381	0.2256
6	1.107		2915	1000000	1378	472665	0.0029
7	1.283		1388	1000000	668	481293	0.0014
8	1.472		6850	1000000	1847	269558	0.0069
9	1.698		1029	1000000	388	376647	0.0010
10	1.896		2114	1000000	558	264102	0.0021
11	3.123	TCMX	512419	3941682	108009	830837	0.1300
12	4.104		5864	1000000	1230	209796	0.0059
13	4.979		505	1000000	98	193680	0.0005
14	5.716		1131	1000000	136	120619	0.0011
15	6.191	gamma-BHC	103013	4120528	17849	713952	0.0250
16	6.752		6442	1000000	1026	159271	0.0064
17	7.209	Heptachlor	173284	3465672	23542	470844	0.0500
18	8.275	Aldrin	184354	3687080	25845	516893	0.0500
19	8.588		4601	1000000	650	141257	0.0046
20	9.772		866	1000000	148	170676	0.0009
21	10.274	Hept. epoxik	171250	3425007	23253	465059	0.0500
22	11.471	Endosulfan I	163138	3263165	21439	429107	0.0500
23	12.570	Dieldrin	141929	2838570	18511	370223	0.0500
24	13.788		1794	1000000	142	79151	0.0018

25	14.717	Endosulfan II	305354	3053540	31232	312324	0.1000
26	16.169	4,4'-DDT	226054	2260540	20492	204921	0.1000
27	17.471		2241	1000000	160	71591	0.0071
28	18.300		97138	1000000	6376	65634	0.0971
29	19.915	DBC	471705	1886820	26566	106263	0.2500
30	23.223	Methoxychlor	624769	1249537	30516	61032	0.5000
31	25.046		2460	1000000	134	54534	0.0025
32	29.779		1648	1000000	84	50964	0.0017
			4186492		702038		2.4642

000516

3200870

Chromatogram

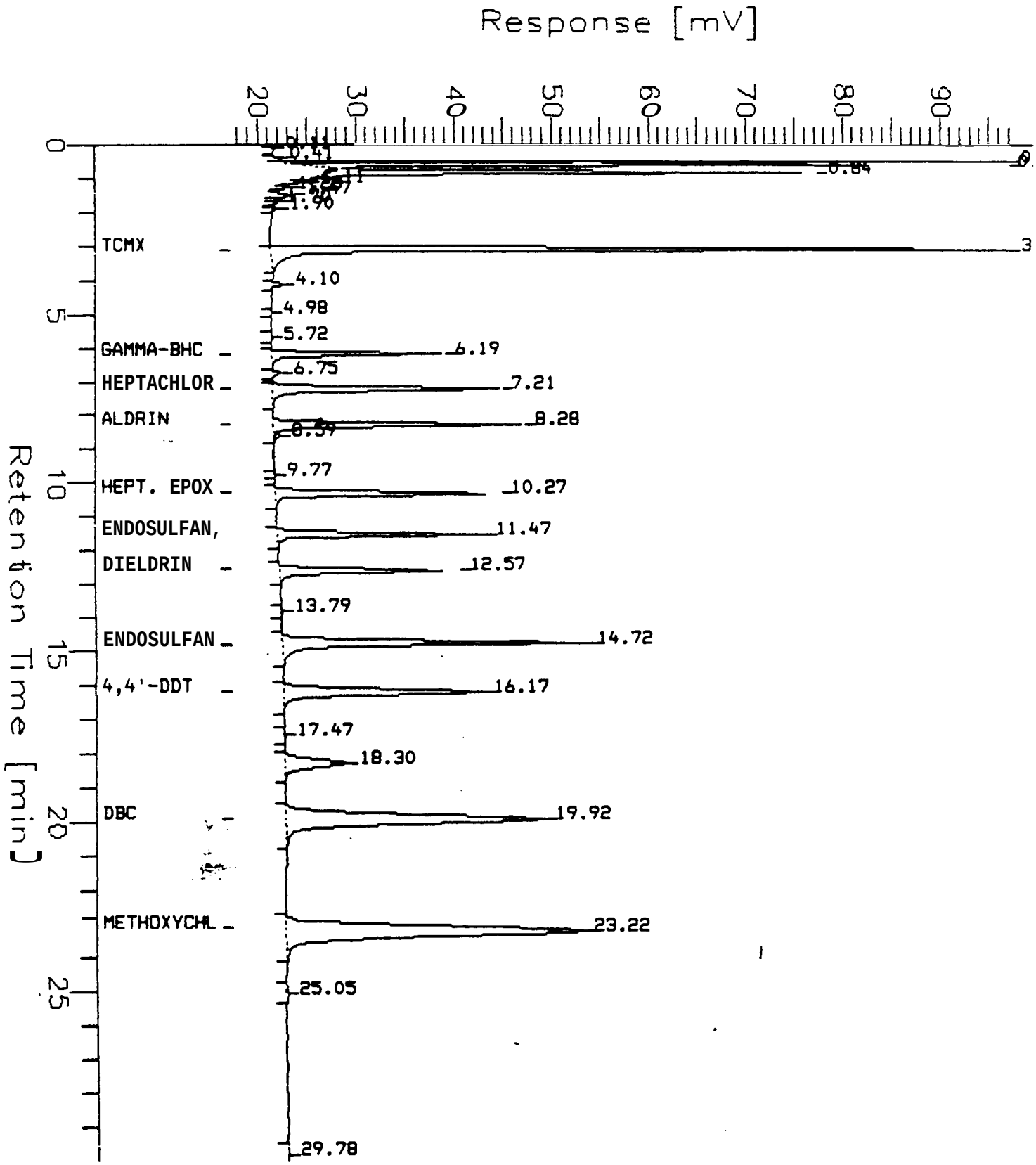
FileName : c:\2700\data2\AP11006.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 min
Plot Offset: 17 mV

Date : 4/11/91 8:17 PM
Low Point : 17.15 mV
Plot Scale: 80 mV

High Point : 77.15 mV

0005517



Sample Name : LOW B
Sample Number: 1-208-7
Operator : SJG

Time : 4/11/91 10:46 PM
Study : 5 POINTS

000518

Interface # : 2 Channel : A A/D mV Range : 1000
AutoSampler : Hcwlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 8:20 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11007.raw
Result File : c:\2700\data2\AP11007.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80B608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL B FOR DB608

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF MEA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.108		1080	1000000	179	145733	0.001 1
2	0.402		5182	1000000	1147	221344	0.0052
3	0.517		1093287	1000000	473092	430363	1.0993
4	0.623		201302	1000000		309500	0.2013
5	0.846		268775	1000000	51623	192067	0.2688
b	1.476		2644	1000000	717	271212	0.0026
7	1.898		874	1000000	249	285342	0.0009
8	3.120	TCMX	139411	4289577	29229	899347	0.0325
9	4.108		1294	1000000	294	227093	0.0013
10	4.982	alpha-BHC	23307	3585621	4205	646846	0.0065
11	6.467	beta-BHC	30314	2425122	5419	433531	0.0125
12	7.667	delta-BHC	36759	2940740	6147	491746	0.0125
13	8.600		2223	1000000	330	148417	0.0022
14	10.294		476	1000000	43	133103	0.0005
15	10.856		40533	1000000	5090	125580	0.0405
lb	11.445		41802	1000000	5385	128826	0.0418
17	12.094		488	1000000	63	128306	0.0005
18	12.525	4,4'-DDE	31652	2532175	42M	341112	0.0125
19	13.903	Endrin	29961	2396840	3473	277824	0.0125
20	14.726	4,4'-DDD	45859	1834373	4w9	199960	0.0250
21	16.438	Endrin rld.	61890	2475615	5077	203069	0.0250
22	17.157	Endo. sulfate	63973	2558905	5005	200209	0.0250
23	17.909		741	1000000	78	105825	0.0007
24	18.314		21013	1000000	1427	67902	0.0210

3200877

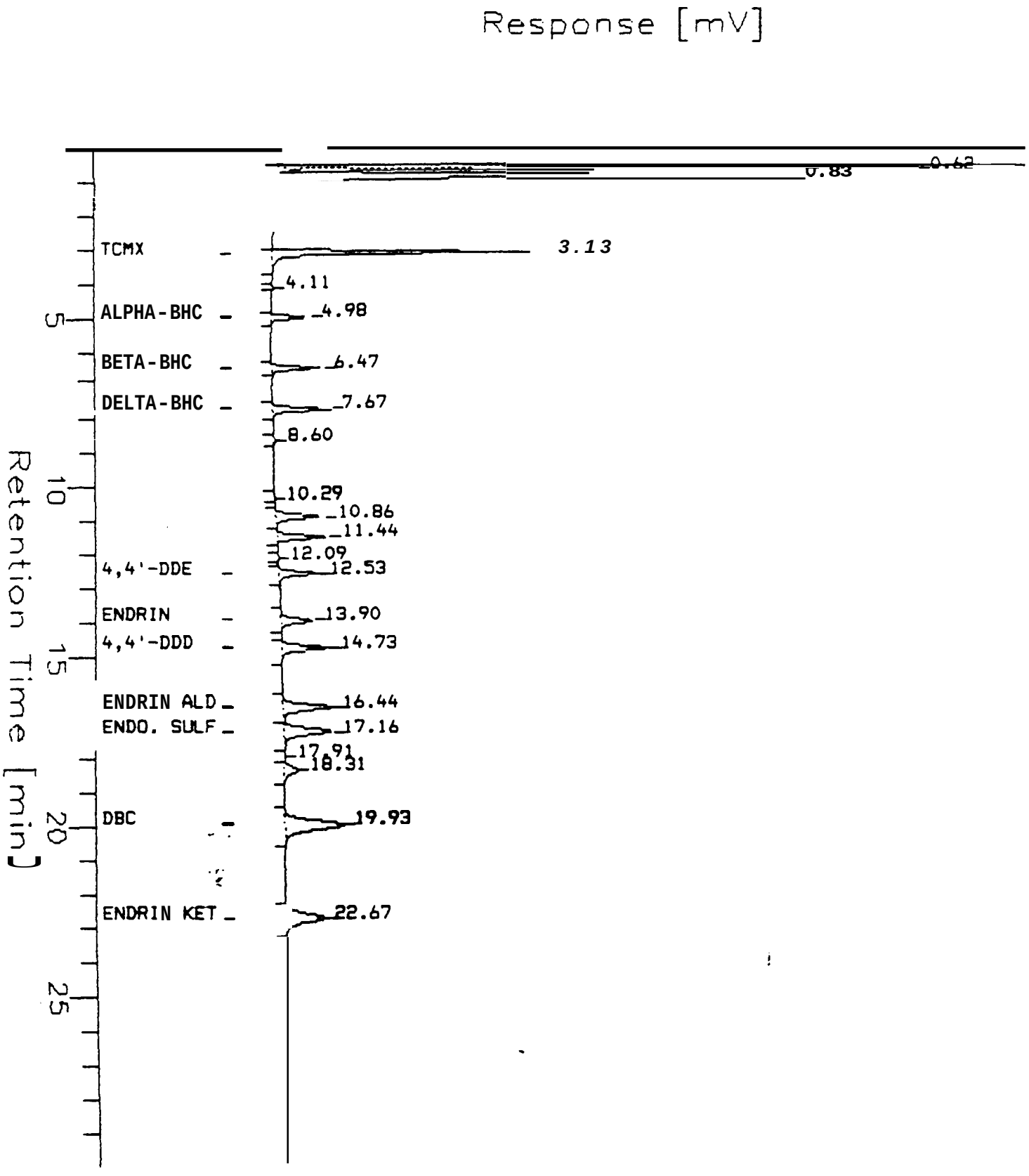
25	19.933	DDC	108569	1737096	6091	97448	0.0625
26	22.672	Endrin ketone	71481	2859251	3967	158685	0.0250
			2330886		679915		1.9392

000519

Chromatogram

000520

FileName : c:\2700\data2\AP11007.raw
Date : 4/11/91 10:46 PM
Start Time : 0.00 rin
End Time : 30.00 min
Low Point : 17.31 mV
High Point : 97.31 mV
Scale factor: -1
Plot Offset: 17 mV
Plot Scale: 80 mV



3200870

Sample Name : MLOW B
Sample Number: 2-209-7
Operator : SJG

Time : 4/11/91 10:47 PM
Study : 5 POINT

080521

Interface # : 2 Channel : A A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 8:54 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11008.raw
Result File : c:\2700\data2\AP11008.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80B608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL B FOR DB608

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.112		1364	1000000	192	140963	0.0014
2	0.421		1549	1000000	374	241647	0.0016
3	0.517		479648	1000000	204414	426175	0.4797
4	0.622		224380	1000000	60041	267585	0.2244
5	0.845		253962	1000000	50243	197837	0.2540
6	1.477		3369	1000000	907	269121	0.0034
7	1.898		1322	1000000	365	276330	0.0013
8	2.872		718	1000000	151	210325	0.0007
9	3.128	TCMX	185638	3788521	39087	797701	0.0490
10	4.108		2070	1000000	425	205484	0.0021
11	4.981	alpha-BHC	30174	3176211	5526	581696	0.0095
12	6.466	beta-BHC	43222	2336323	7411	400583	0.0185
13	6.743		1506	1000000	228	151099	0.0015
14	7.665	delta-BHC	49885	3828408	8443	647977	0.0130
15	8.598		1100	1000000	180	143943	0,0011
16	10.852		56549	1000000	7412	131079	0.0566
17	11.442		56710	1000000	7416	130776	0.0567
18	12.100		750	1000000	104	138926	0.0008
19	12.523	4,4'-DDE	40141	2169757	5611	303281	0.0185
20	13.899	Endrin	41362	2235771	4805	259716	0.0185
21	14.724	4,4'-DDD	58115	1549733	6522	173930	0.0375
22	16.430	Endrin rld.	88552	2361378	7347	195925	0.0375
23	17.151	Endo. sulfate	101826	2715370	8100	214009	0.0375
24	17.914		1139	1000000	117	102727	0.0011

25	18.313		29590	1000000	2014	68078	0.0296
26	19.930	DBC	151328	1609872	8587	91347	0.0940
27	22.667	Endrin ketone	105650	2817320	5721	152552	0.0375
			2011616		441745		1.4868

000522

3209873

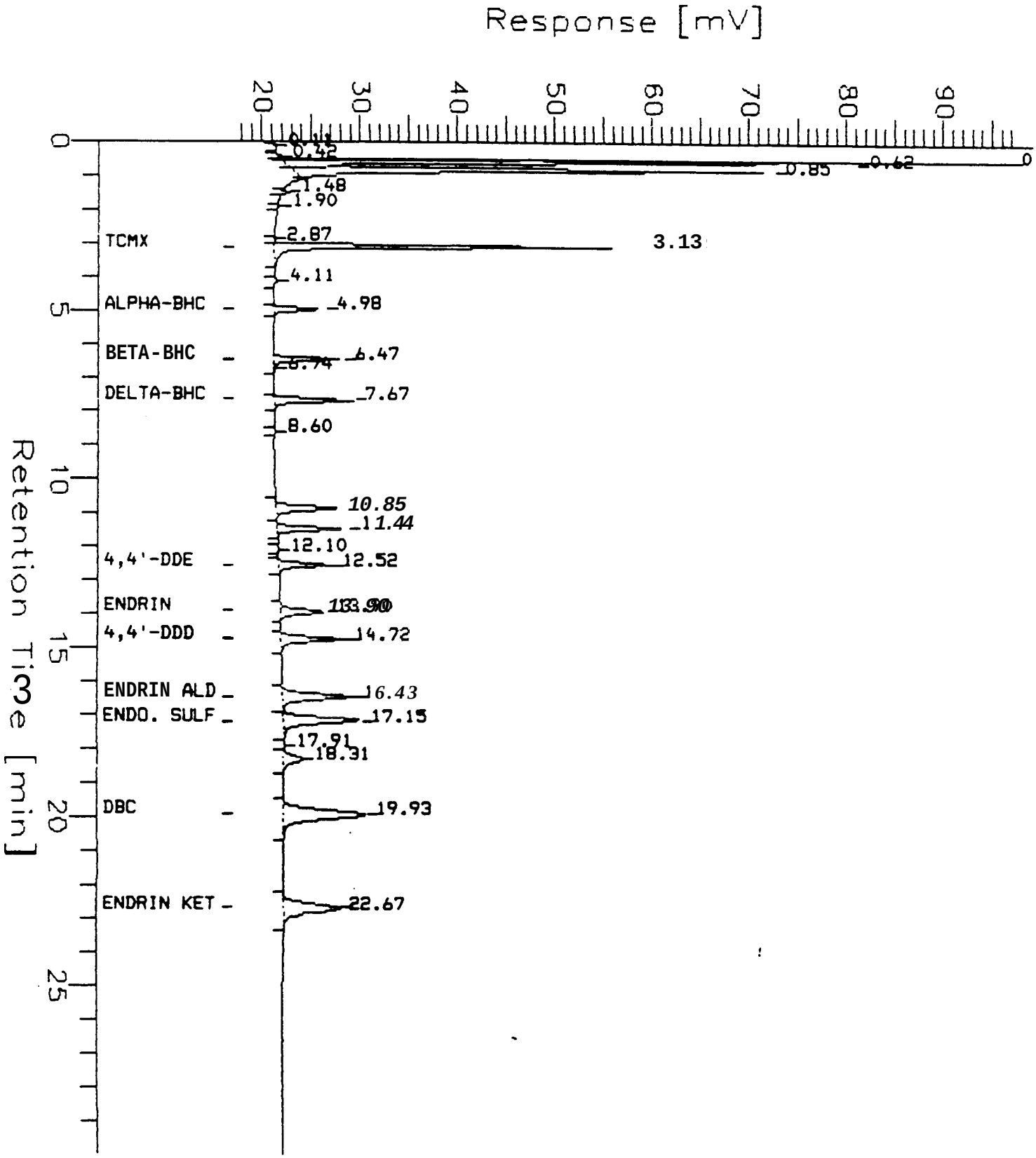
Chromatogram

000523

FileName : c:\2700\data2\AP11008.raw
Start Time : 0.60 min End Time : 30.00 min
Scale factor: -1 Plot Offset: 17 mV

Date : 4/11/91 10:47 PM
Lou Point : 17.18 mV
Plot Scale: 80 mV

High Point : 97.18 mV



Sample Name : MED B
Sample Number: 1-311-7
Operator : SJG

Time : 4/11/91 10:48 PM
Study : 5 POINTS

000524

Interface # : 2 Channel : A A/D mV Range : 1000
AutoSampler : Henlctt-Packard 7673A
Rack/Via1 : 0/0

Data Acquisition Timet 4/11/91 9:29 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11009.raw
Result File : c:\2700\data2\AP11009.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80B608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL B FOR DB608

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml	
I	0.111		1141	1000000	179	156616	0.0011	
2	0.397		2373	1000000	493	207797	0.0024	
3	0.517		2879221	1000000	969270	336643	2.8792	
4	0.733		66132	1000000	0	0	0.0661	
5	0.846		186580	1000000	37878	203010	0.1866	
b	1.475		3563	1000000	957	268609	0.0036	
7	1.700		752	1000000	241	320927	0.0008	
8	1.900		1426	1000000	357	250016	0.0014	
9	2.875		993	1000000	232	233811	0.0010	
10	3.130	TCMX	m 1 2	4547884	61064	939452	0.0650	
11	4.111		3175	1000000	668	210359	0.0032	
12	4.985	alpha-BHC	50137	4010940	0727	698155	0.0125	
13	6.470	beta-BHC	66891	2675622	11286	451448	0.0250	
14	6.747		2431	1000000	357	146790	0.0024	
15	7.671	delta-BHC	82131	3285220	13906	556250	0.0250	
16	8.604		7947	1000000	1136	142941	0.0080	!
17	10.857		88870	1000000	11297	127122	0.0889	
18	11.448		91127	1000000	11856	130105	0.0911	
19	12.104		1024	1000000	149	145611	0.0010	
20	12.528	4,4'-DDE	64314	2572550	8785	351392	0.0250	
21	13.907	Endrin	64978	2599100	7558	302305	0.0250	
22	14.729	4,4'-DDD	92142	1842830	10212	204243	0.0500	
23	16.440	Endrin ald.	136104	2723685	11057	221139	0.0500	
24	17.162	Endo. sulfate	142779	2855585	11257	225137	0.0500	

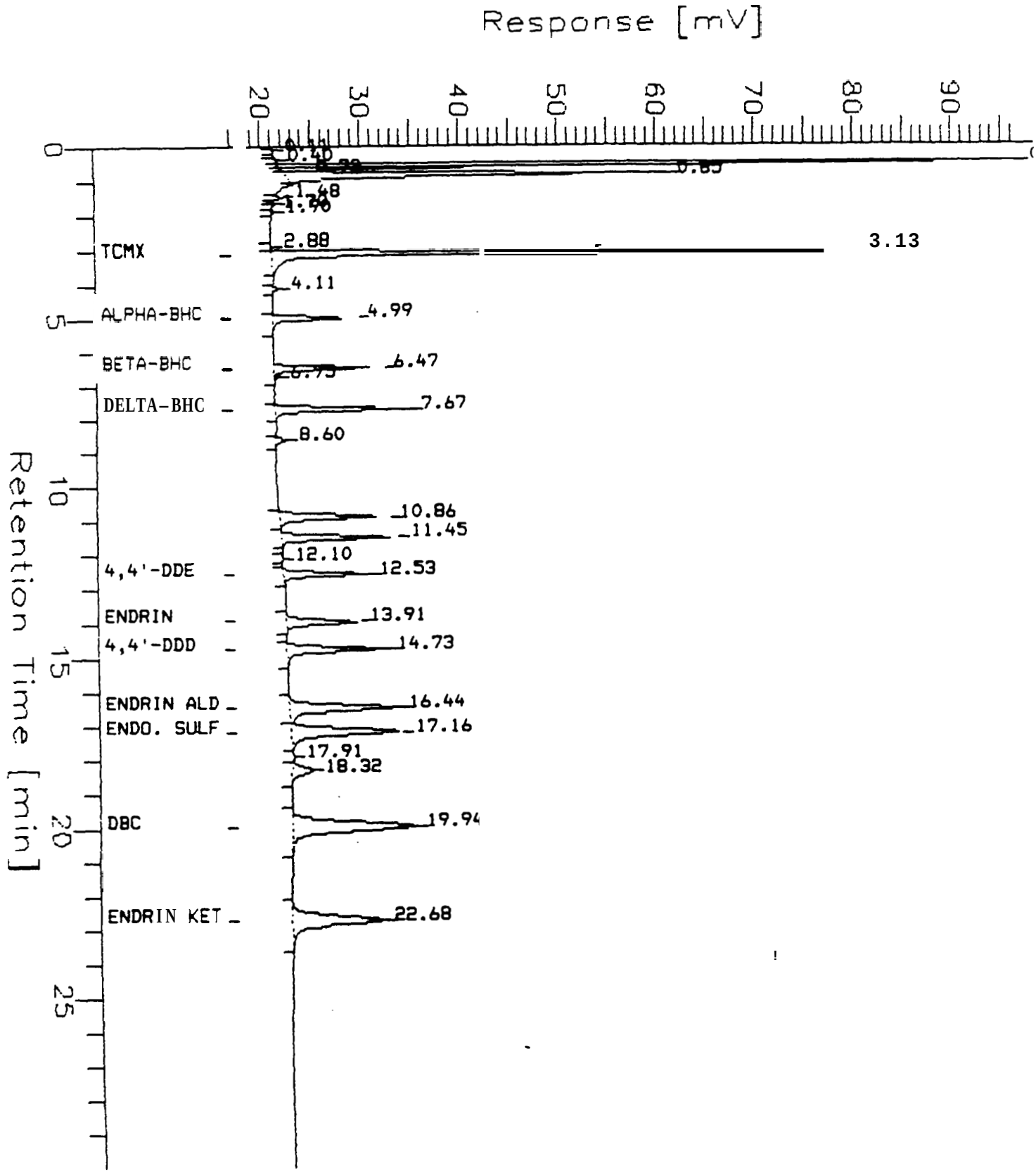
3200880

25	17.910		2120	1000000	208	98332	0.0021	
26	18.318		31341	1000000	2119	67604	0.0313	
27	19.937	DBC	229034	1832268	12565	100521	0.1250	000525
28	22.680	Endrin ketone	175950	3518995	9259	185171	0.0500	
			4770362		1203072		3.8727	

Chromatogram

000526

FileName : c:\2700\data2\AP11009.raw
Date : 4/11/91 10:48 PM
Start Tim : 0.00 min
End Time : 30.00 min
Lor Point : 16.95 mV
High Point : 96.95 mV
Scale Factor: -1
Plot Offset: 17 mV
Plot Scale: 80 mV



3200881

Sample Name : MHIGH B
Sample Number: 1-211-7
Operator : SJG

Time : 4/11/91 10:49 PM
Study : 5 POINTS

000527

Interface # : 2 Channel : A A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 10:03 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11010.raw
Result File : c:\2700\data2\AP11010.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80B608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL B FOR DB608

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml
1	0.110		1301	1000000	189	144953	0.0013
2	0.406		1230	1000000	320	259911	0.0012
3	0.518		253976	1000000	101528	399754	0.2540
4	0.622		266565	1000000	69417	260413	0.2666
5	0.845		361178	1000000	71829	198876	0.3612
b	1.473		4829	1000000	1349	279423	0.0048
7	1.701		968	1000000	326	336613	0.0010
8	1.900		1125	1000000	299	266288	0.0011
9	2.e73		1485	1000000	352	236963	0.0015
10	3.129	TMX	400928	4112077	85013	871929	0.0975
11	4.111		4703	1000000	968	205824	0.0047
12	4.985	alpha-BHC	71275	3852717	13507	730080	0.0185
13	6.463	beta-BHC	100123	2649953	17152	457378	0.0375
14	6.749		4186	1000000	535	127829	0.0012
15	7.669	delta-BHC	125211	3338953	22367	596465	0.0375
16	8.598		1138	1000000	183	160762	0.0011
17	10.308		503	1000000	51	101226	0.0005
18	10.855		136800	1000000	17821	130269	0.1368
19	11.445		144306	1000000	18616	129001	0.1443
20	11.861		1448	1000000	183	126708	0.0015
21	12.099		2027	1000000	265	130625	0.0020
22	12.525	4,4'-DDE	97005	2586787	13585	362256	0.0375
23	13.904	Endrin	101334	2702227	11853	316088	0.0375
24	14.727	4,4'-DDD	139141	1855217	15840	211205	0.0750

25	16.436	Endrin ald.	204517	2726888	17012	226823	0.0750
26	17.155	Endo. sulfate	211207	2816093	17036	227140	0.0750
27	17.908		3003	1000000	295	98112	0.0030
28	18.319		67049	1000000	4502	67137	0.0671
29	19.936	DBC	343187	1830328	19600	104535	0.1875
30	22.670	Endrin ketone	265872	3544953	14186	189140	0.0750
			3317615		536177		2.0113

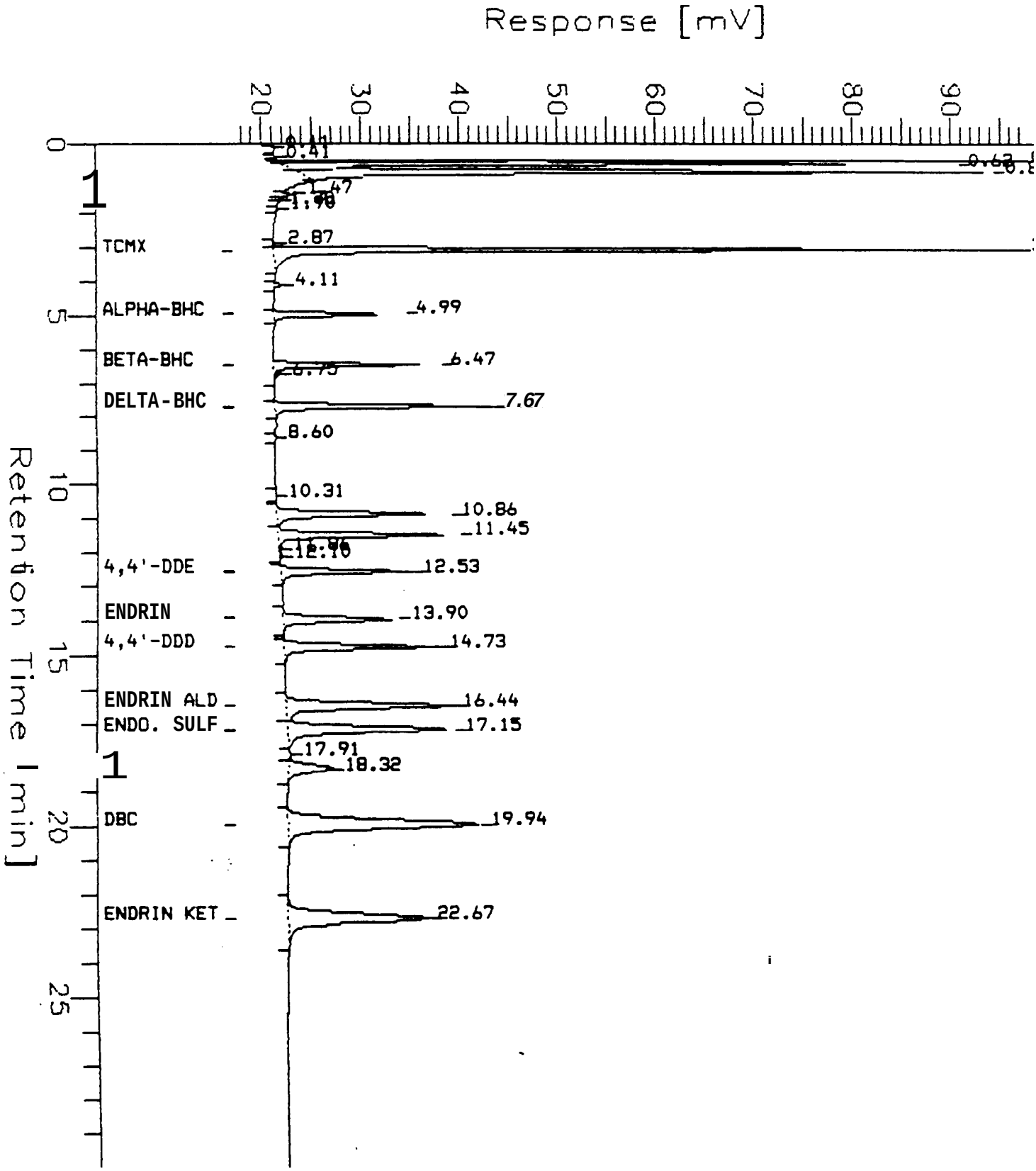
000528

3200882

Chromatogram

000529

FileName : c:\2700\data2\AP11010.raw
Date : 4/11/91 10:49 PM
Page 1 of 1
Start Tin : 0.00 rin
End Tin : 30.00 rin
Low Point : 17.10 mV
High Point : 97.10 mV
Scale Factor: -1
Plot Offset: 17 mV
Plot Scale: 80 mV



Sample Name : HIGH B
Sample Number: 1-212-7
Operator : SJG

Time : 4/11/91 11:08 PM
Study : 5 POINTS

Interface # : 2 Channel : A A/D mV Range : 100 $00530
AutoSampler : Hawlctt-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/11/91 10:37 PM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11011.raw
Result File : c:\2700\data2\AP11011.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80B608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL B FOR DB608

Peak #	Ret Time (min)	Component Name	Area (uV-sec)	RF AREA	Height (uV)	RF HEIGHT	Amount ug/ml
1	0.114		1290	1000000	182	141091	0.0013
2	0.518		360815	1000000	141753	406726	0.3608
3	0.621		214827	1000000	66887	310419	0.2148
4	0.E44		288010	1000000	64519	224015	0.2880
5	1.472		5970	1000000	1647	275908	0.0060
6	1.700		1072	1000000	399	372041	0.0011
7	1.898		1420	1000000	367	258523	0.0014
8	2.873		1859	1000000	437	235107	0.0019
?	3.127	TCMX	505968	3892064	106647	820365	0.1300
10	4.109		5803	1000000	1220	210305	0.0058
11	4.983	alpha-BHC	98941	3957640	18407	736262	0,0250
12	6.466	beta-BHC	135101	2702010	23162	463235	0.0500
13	6.746		5650	1000000	703	124460	0.0057
14	7.667	delta-BHC	178317	3566330	31313	626295	0.0500
15	8.225		1706	1000000	234	137302	0.0017
16	8.596		1519	1000000	253	166567	0.0015
17	10.853		167157	1000000	25246	134093	0.1872
18	11.442		194433	1000000	25980	133619	0.1944
19	11.858		2940	1000000	333	113085	0.0029
20	12.101		2849	1000000	380	133519	0.0029
21	12.522	4,4'-ODE	130611	2612220	18546	370923	0.0500
22	13.900	Endrin	138580	2771600	16600	332003	0.0500
23	14.721	4,4'-DDD	188590	1885899	21796	217958	0.1080
24	16.430	Endrin ald.	276319	2763186	23208	232081	0.1000

3200883

25	17.149	Endo. sulfate	290024	2900241	23650	236504	0.1000
26	17.900		4105	1000000	405	98650	0.0041
27	18.309		92088	1000000	6203	67358	0.0921
28	19.929	DBC	477176	1908702	27423	109693	0.2500
29	22.661	Endrin ketone	367736	3677363	20021	200206	0.1000
			4160871		672722		2.3785

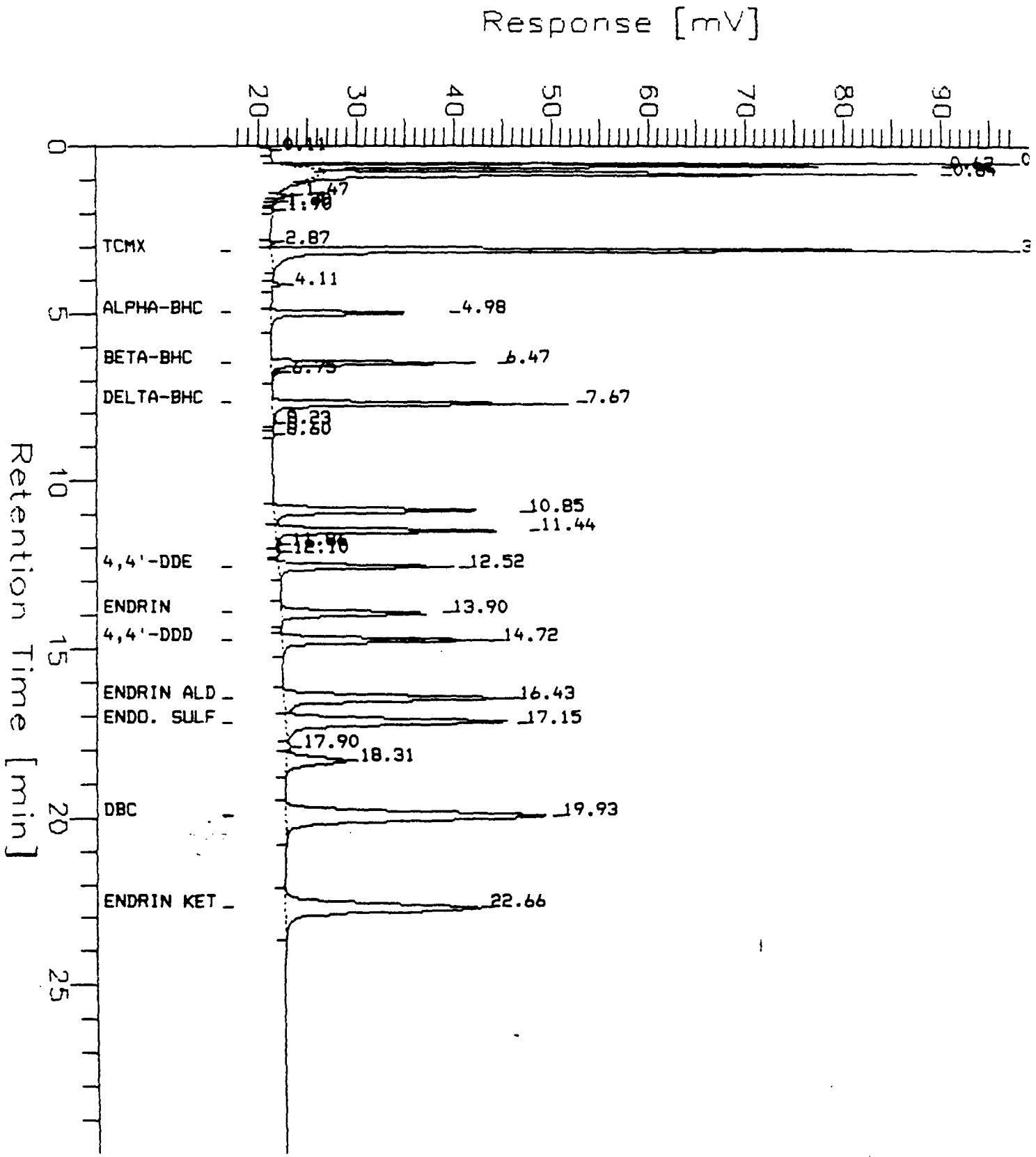
000531

Chromatogram

FileName : c: \2700\data2\AP11011.raw
Start Time : 0.00 min End Time : 30.00 min
Scale Factor: -1 Plot Offset: 17 mV

Date : 4/11/91 11:08 PM
Low Point : 17.16 mV High Point : 97.16 mV
Plot Scale: 80 mV

000532



3200884

Sample Name : MED A
Sample Number: 1-310-7
Operator : SJG

Time : 4/12/91 2:33 AM
Study :

Interface # : 2 Channel : A A/D mV Range : 1000 000533
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/12/91 2:02 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11017.raw
Result File : c:\2700\data2\AP11017.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80A608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Sample Amount : 1.0000

INDIVIDUAL A FOR DB608

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	RF AREA	Height [uV]	RF HEIGHT	Amount ug/ml	
1	9.111		1054	1000000	170	161566	0.0611	
2	0.517		2950499	1000000	970157	330626	2.9585	
3	0.619		176311	1000000	60545	343399	0.1763	900 from 5point.
4	0.842		270538	1000000	50241	185708	0.2705	
5	1.478		4802	1000000	1313	273474	0.0048	
6	1.696		799	1000000	257	321924	0.0008	
7	1.894		1996	1000000	529	265310	0.0020	
8	3.121	TCMX	293550	4348882	62007	918623	0.0675	0.1
9	4.101		3321	1000000	681	205105	0.0033	
10	5.728		821	1000000	100	121903	0.0008	
11	6.187	gamma-BHC ✓	51584	4126725	8665	693175	0.0125	-1.2
12	6.739		1615	1000000	288	178300	0.0016	
13	7.205	Heptachlor-	92834	3713340	12922	516875	0.0250	-5.6
14	8.270	Aldrin -	91645	3665783	12660	506412	0.0250	-0.1
15	8.587		19307	1000000	2729	140755	0,0194	
16	9.773		643	1000000	99	154389	0.0006	
17	10.260	Hept. epoxide -	89795	3591190	12074	402966	0.0250	-3.4
18	11.464	Endosulfan I -	04238	3369500	11452	458063	0.0250	-6.2
19	12.563	Dieldrin-	77053	3082113	10008	400300	0.0250	-8.7
20	13.835		940	1000000	71	75400	0.0009	
21	14.706	Endosulfan II -	151333	3126655	16142	322840	0.0500	-3.5
22	16.154	4,4'-DDT-	104087	2001145	9670	193402	0.0500	2.1
23	17.453		1507	1000000	109	72316	0.0015	
24	10.285		33768	1000000	2308	68353	0,0338	

25	19.891	DBC -	236724	1893788	13548	108384	0.1250	-/,/
26	23.195	Methoxychlor -	322337	1289347	16308	65232	0.2500	-/,7
27	25.001		1724	1000000	99	57317	0.0017	
			5077897		1283152		4.1577	

000534

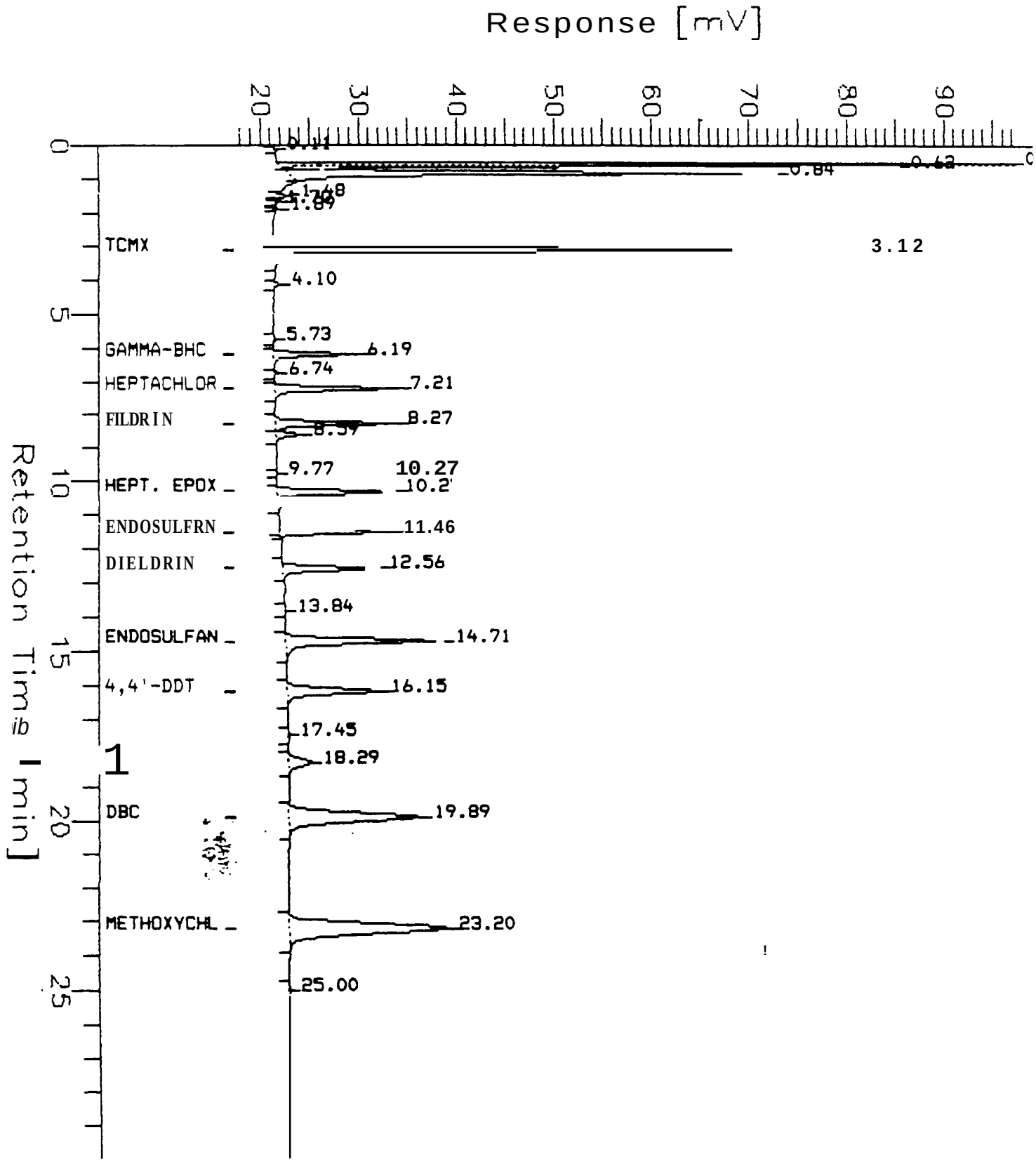
3200885

Chromatogram

FileName : c:\2700\data2\AP11017.raw
Start Tin : 0.00 min End Tire : 30.00 rin
Scale Factor: -1 Plot Offset: 17 mV

Date : 4/12/91 2:34 1M1
Low Point : 17.29 mV High Point : 72.29 mV
Plot Scale: 80 mV

000535



Sample Name : MED B
Sample Number: 1-311-7
Operator : SJG

Time : 4/12/91 9:04 AM
Study

Interface # : 2 Channel : A A/D mV Range : 1000 000536
AutoSampler : Hcwlctt-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Time: 4/12/91 2:37 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11018.raw
Result File : c:\2700\data2\AP11018.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80B608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 100.00
Ssmole Amount : 1.0000

INDIVIDUAL B FOR DB608

RL 4-12-91

Peak #	Ret Tire (min)	Component Name	Area (uV-sec)	RF AREA	Height (uV)	RF HEIGHT	Amount ug/ml	
1	0.111		1124	1000000	170	151355	0.0011	
2	0.517		2840094	1000000	972153	339903	2.8601	900 from Spot
3	0.843		82847	1000000	19068	230158	0.0829	
4	1.476		4587	1000000	1236	269368	0.0046	
5	1.695		973	1000000	266	273694	0.0010	
6	1.892		1734	1000000	436	251590	0.0017	
7	2.863		1164	1000000	273	234695	0.0012	
8	3.117	TCMX	292793	4504508	61296	943015	0.0650	1.2%
9	4.096		3216	1000000	475	210042	0.0032	
10	4.968	alpha-BHC	49715	3977200	8817	705359	0.0125	-1.0
11	6.451	beta-BHC	65851	2634042	11360	454409	0.0250	-0.7
12	6.730		2239	1000000	349	155858	0.0022	
13	7.196		745	1000000	124	162051	0.0008	
14	1.449	delta-BHC	84926	3397042	14059	542341	0.0250	-1.1
15	8.238		1846	1000000	181	97803	0.0019	
16	8.519		3075	1000000	494	140784	0.0631	
17	10.268		e29	1000000	118	142490	0.0008	
18	10.834		93159	1000000	12179	130733	0.0932	
19	11,424		97731	1000000	12711	130064	0.0977	
20	11.825		1291	1000000	164	124963	0.0013	
21	12.079		1104	1000000	166	150390	0.0011	
22	12.502	4,4'-DDE	64254	2570140	8914	354543	0.0250	-1.5
23	13.875	Endrin	68770	2750800	8199	327955	0.0250	-7.3
24	14.497	4,4'-DDD	93503	1870050	10634	212682	0.0500	-4.1

3200886

25	16.395	Endrin ald.	142435	2848690	11725	234504	0.0500	-6.0
26	17.113	Endo. sulfate	154227	3084543	11975	239494	0.0500	-6.4
27	17.860		5506	1000000	374	67973	0.0055	
28	18.270		35885	1000000	2378	66275	0.0359	
29	19.878	DBC	239012	1912096	13599	108792	0.1250	-1.5
30	22.604	Endrin ketone	185014	3700280	9745	194890	0.0500	-5.3
			4639667		1193839		3.7017	

000537

Chromatogram

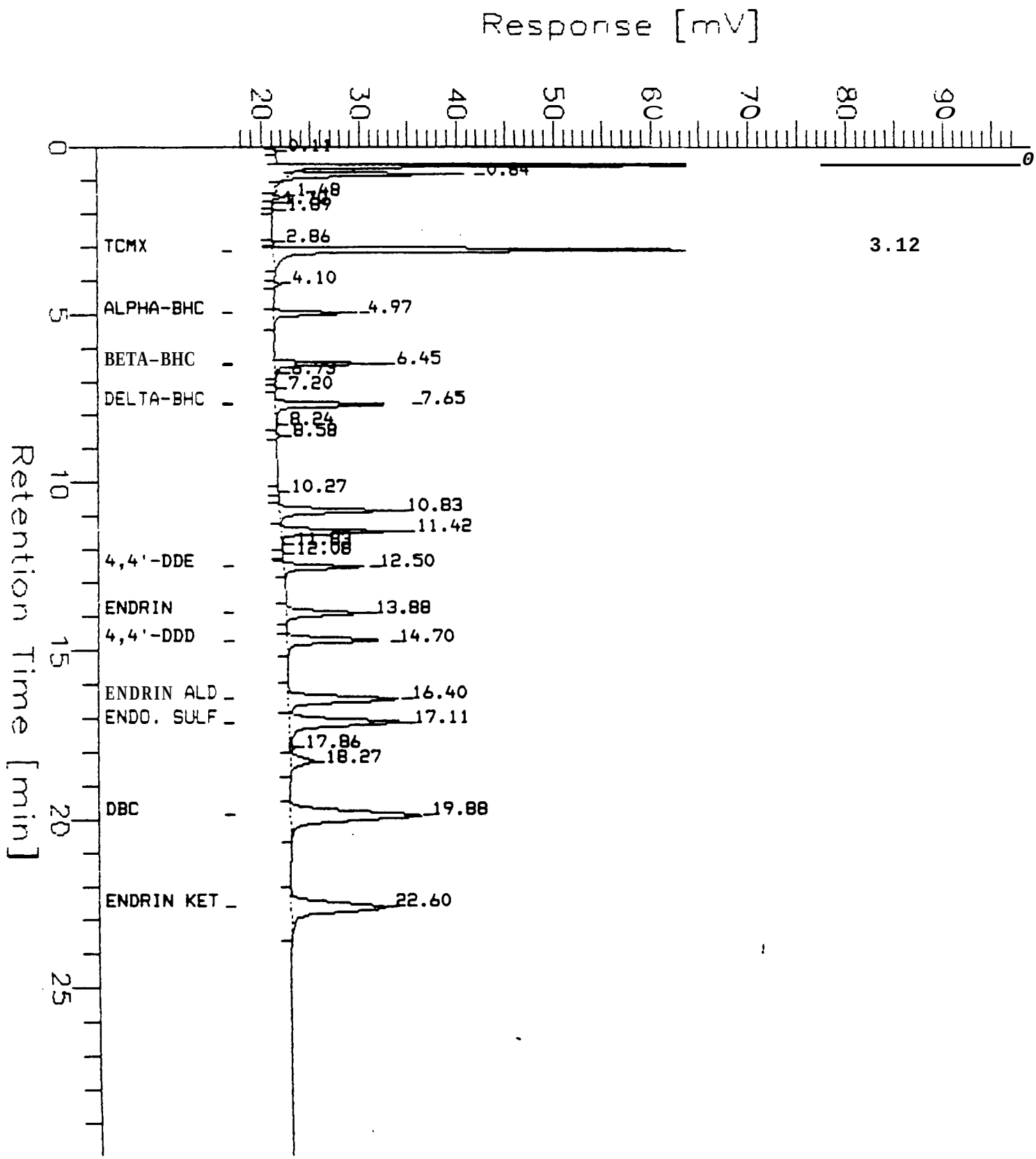
FileName : c:\2700\data2\AP11018.raw
Start Time : 0.00 rin
Scale Factor: -1

End Time : 30.00 rin
Plot Offset: 17 mV

Date : 4/12/91 9:04 AM
Low Point : 17.02 mV
Plot Scale: 80 mV

High Point : 97.02 mV

000538



3200887

Sample Name : LCS 162,165 Time : 4/12/91 12:51 AM
Sample Number: LCS162,165 Study
Operator : SJG

Interface # : 2 Channel : A A/D mV Range : 1000 000539
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Timer 4/12/91 12:20 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data File : c:\2700\data2\AP11014.raw
Result File : c:\2700\data2\AP11014.rst
Instrument Filer C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80A608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 10.00
Divisor : 1.0000 Additive Constant; 0.00

Instrument Conditions;
Capillary GC - HP5890 6A
Instrument : HP5890
Co1umn : DB5
Column Length : 30m
Carrier Gas : He
Flow Rate : 20
Split Ratio :
Temperature
Injection Temp.:
Detector 1 :
Detector 2 :
Notes :

Total Number of Peaks Detected: 35

WATER SAMPLE ANALYSIS

Peak #	Ret Time [min]	Component Name	Area [uV-sec]	Height [uV]	MOUNT ug/1
1	0.106		1271	189	0.0127
2	0.517		4149090	976569	41.4909
3	0.633		212794	78503	2.1279
4	0.841		133085	28545	1.3309
3	1.057		21455	6740	0.2146
6	1.185		3447	1470	0.0345
7	1.271		11663	3180	0.1166
a	1.484		16790	4809	0.1679
9	1.649		23848	8835	0.2585

10	1.787		3223	2788	0.0022	
11	2.151		427	181	0.0043	
12	2.875		3226	602	0.0323	
13	3.120	TCMX	396643	86003	~~1.0088~~	94%
14	3.903		813	198	0.0081	
15	4.105		4143	1235	0.0410	
16	4.389		9104	1642	0.0910	
17	5.836		2731	230	0.0273	
18	4.188	gamma-BHC	71985	12071	~~0.1826~~	88%
19	4.741		2801	435	0.0200	
20	4.967		2578	334	0.0258	
21	7.206	Heptachlor	65809	9028	~~0.1701~~	92%
22	7.652		1986	237	0.0199	
23	8.271	Aldrin	62268	0699		87%
24	8.590		34693	4807	0.3469	
25	9.657		1422	106	0.0142	
26	9.910	~~Hept. epoxide~~	1336	214	0.0045	
27	11.429	~~Endosulfan I~~	2605	104	0.0024	
28	12.564	Dieldrin	139930	17452	~~0.4723~~	95%
29	13.270		23572	2474	0.2357	
30	13.889	Endrin	121538	14268	1.2154	96%
31	16.162	~~4,4'-DDT~~	95503	8485	0.4364	86%
32	17.482		33362	2216	0.3336	
33	18.288		46257	3006	0.4626	
34	19.908	DBC	170581	9847	~~0.8442~~	92%
35	22.646	~~Methoxychlor~~	6155	342	0.0403	
			5887109	1296079		

Report Stored in ASCII File: c:\2700\data2\AP11014.TXO

000540

3200883

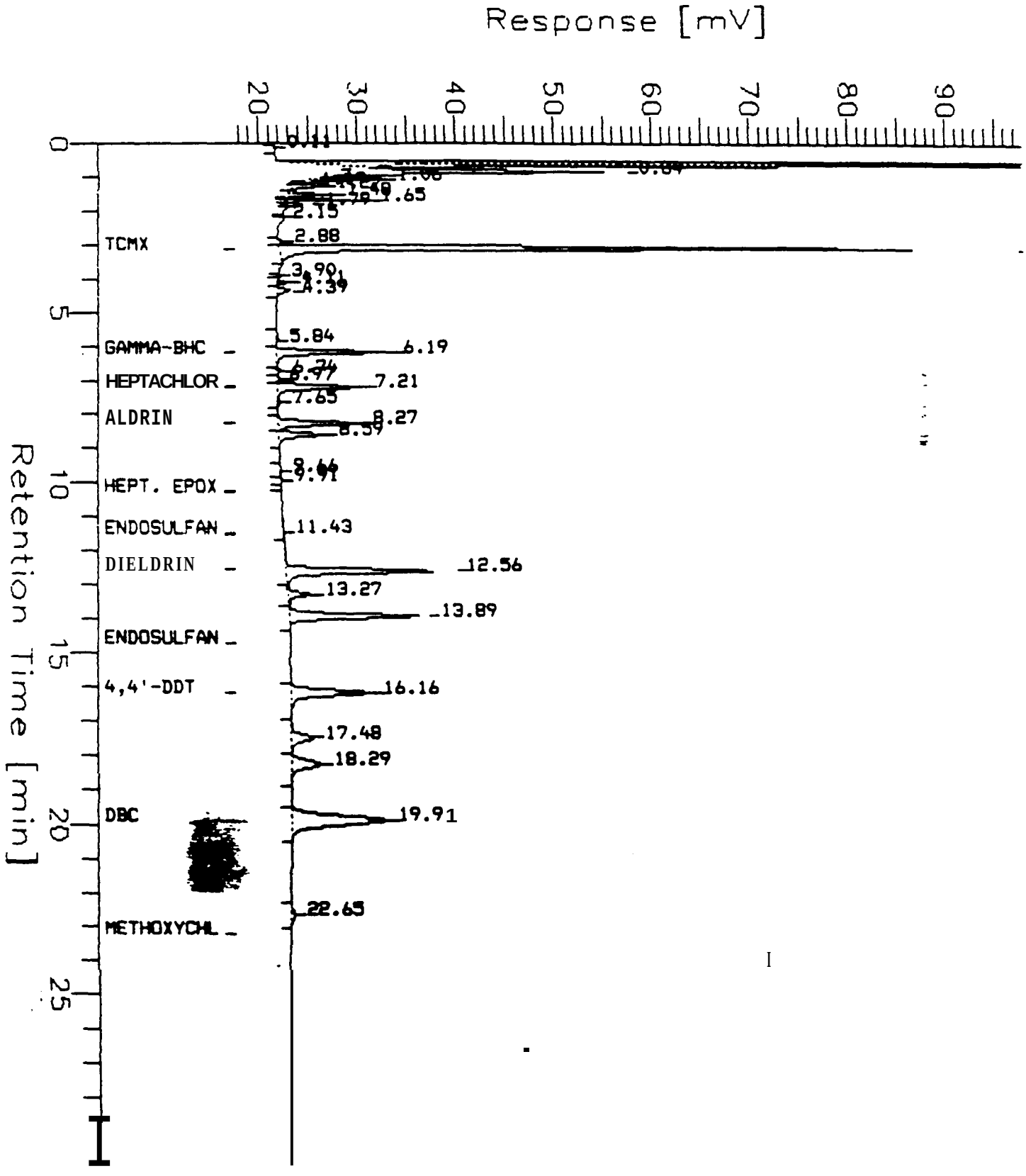
Chromatogram

FileName : c:\2700\data2\AP11014.raw
Start Time : 0.00 min
Scale Factor: -1

End Time : 30.00 rin
Plot Offset: 18 mV

Date : 4/12/91 12:51 AM
Lor Point : 17.57 mV
Plot scale: 80 mV

High Pa 0005449



Sample Name : BLANK 162,165 Time : 4/12/91 1:25 AM
Sample Number: BLK162,165 Study :
Operator : SJG

000542

Interface # : 2 Channel : A A/D mV Range : 1000
AutoSampler : Hewlett-Packard 7673A
Rack/Vial : 0/0

Data Acquisition Timer 4/12/91 12:54 AM
Delay Time : 0.00 min.
End Time : 30.00 min.
Sampling Rate : 2.0000 pts/sec

Raw Data Fila : c:\2700\data2\AP11015.raw
Result File : c:\2700\data2\AP11015.rst
Instrument File: C:\2700\GEN6A.ins
Process File : C:\2700\GEN6A.prc
Sample File : C:\2700\80A608A.smp
Sequence File : C:\2700\AP1191.seq

Inj. Volume : 1 ul Area Reject : 0.00
Sample Amount : 1000.0000

Noise Threshold: 1 Area Threshold : 500 Bunch Factor: 1
Dilution Factor: 1.00 Multiplier : 10.00
Divisor : 1.0000 Additive Constants 0.00

Instrument Conditions;
Capillary GC - HP5890 6A
Instrument : HP5890
Column : D83
Column Length : 30m
Carrier Gas : He
Flow Rate : 20
Split Ratio
Temperature :
Injection Temp.;
Datrctor 1 :
Detector 2 :
Notes :

Total Number of Peaks Detected: 46

WATER SAMPLE ANALYSIS

Peak #	Ret Time [min]	Component Name	Area [uV-sec3	Height [uV]	AMOUNT ug/1
1	0.110		1204	182	0.0120
2	0.525		3814717	977807	38.1472
3	0.635		224607	82828	2.2469
4	0.734		27684	8957	0.2768
5	0.824		77001	14516	0.7780
6	0.974		3404	1305	0.0340
7	1.061		49362	16336	0.4936
8	1.186		5538	2359	0.0554
9	1.268		18981	5573	0.1898

3200883

10	1.486		37018	10810	0.3702	
11	1.651		36397	12043	0.3640	
12	1.708		0147	2335	0.0815	
13	1.895		11041	1983	0.1104	
14	2.151		3225	589	0.0323	
15	2.284		6931	904	0.0693	
16	2.745		545	131	0.0054	
17	2.871		4629	953	0.0463	
18	3.122	TCMX	451734	99027	~~1.1811~~	108%
19	3.609		4731	690	0.0473	
20	3.907		2617	557	0.0262	
21	4.103		5614	1154	0.0561	
22	4.309		2951	301	0.0295	
23	4.620		551	115	0.0055	
24	5.833		1299	129	0.0130	
25	6.211	gamma-BHC	1445	252	0.0040	
26	6.743		3481	557	0.0348	
27	6.964		6651	792	0.0665	
20	7.201	Heptachlor	1479	231	0.0045	
29	7.640		3501	358	0.0390	
30	0.213	Aldrin	1254	142	0.0020	
31	0.591		95674	7962	0.5567	
32	9.664		2101	258	0.0210	
33	9.913	Hcpt. epoxide	4779	773	0.0162	
34	11.041		4879	203	0.0488	
35	11.450	Endosulfan I	4480	258	0.0059	
36	12.073		4710	178	0.0471	
37	12.571	Dieldrin	4515	348	0.0094	
38	12.874		786	81	0.0079	
39	13.268		578	96	0.0058	
40	13.884		2556	254	0.0256	
41	14.083	Endosulfan 11	585	68	0.0021	
42	16.169	4,4'-DDT	942	118	0.0059	
43	17.135		965	110	0.0097	
44	17.401		50433	3685	0.5043	
45	18.287		61026	3988	0.6103	
46	19.903	DBC	212596	12417	~~1.3040~~	116%
			5230416	1274813		

Report Stored in ASCII File: c:\2700\data2\AP11015.TXO

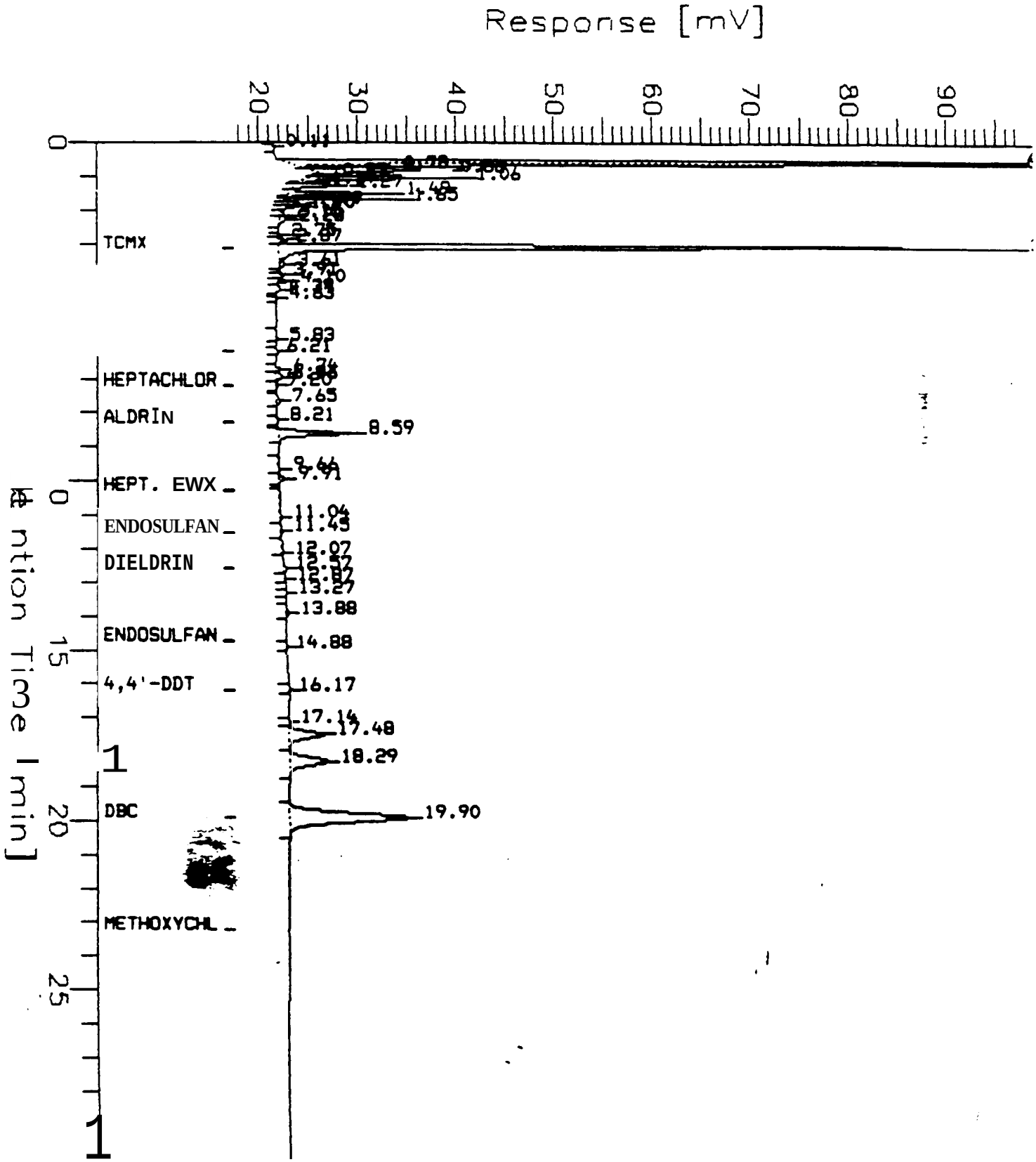
000543

Chromatogram

FileName : c:\2700\data2\AP11015.raw
Start Time : 0.00 ria
End Time : 30.00 rin
Scale Factor: -1
Plot Offset: 17 aV

Date : 4/12/91 1:25 AM
Lor Point : 17.43 aV
Plot Scale: 80 aV
High Point

0005 4



3200850

DATE RECEIVED 3-27-91
DATE EXTRACTED 4-2-91
DATE(S) ANALYZED 4-16-91
OPERATOR(S) LSG, LWM
INSTRUMENT ID HP5890-6A
COLUMN ID(S) DB 608

METHOD CODE 8150

LA 4-17-91
SG 4-17-91
000545

page 1 of 2

(1) ug/l = MICROGRAMS PER liter OR PARTS PER BILLION.

(2) ND DENOTES THAT THE COMPOUND IS NOT DETECTED AT OR ABOVE THE INDICATED DETECTION LIMIT.

~~( ) THE DETECTION LIMIT WAS CALCULATED ON A DRY WEIGHT BASIS.~~

~~( ) * MEANS THAT THE SAMPLE WAS CONFIRMED.~~

~~( ) THE SAMPLES WERE~~ GPC'd, ~~THEREFORE THE DETECTION LIMIT IS MULTIPLIED~~ BY 2 TO REFLECT THIS PROCEDURE.

Herbicide

INTERNATIONAL TECHNOLOGY CORPORATION

000546

By RL Date 4/17/91 Subject Q103-165 Sheet No. 2 of 2

Chkd. By SG Date 4-17-91 Ecology Environmental Proj. No.

Water Analysis Summary of Selected Herbicides.
FOR: Ecology Env
Project #: 965020

Sample ID	2,4-D ME	Silvex ME	2,4,5-T ME
Blank 4-2-91	ND 12	ND 1.7	ND 2.0
Q103-16501	↓	↓	↓
Q103-16502			
Q103-16503			

3200891

108-10-85

WORK ORDER NO.: [redacted]

DATE: 4-2-91

PARAMETER EXTRACTED: [redacted] JDD 4-5-91

METHOD: ~~3510~~ 8150

NON-CONFORMANCE: [redacted]

000547

SAMPLE ID	ORIGINAL VOLUME	SURR. SPIKE	KD+DATE FOR GPC PREP.	KD+DATE FOR FINAL CONC.	FINAL VOLUME	HT START	ANALYST DATE
1. BLANK 4-2-91	1000 ml	NONE	NONE	PBP. DJD 4-5-91	10.0ml	N/A	SG 4-5-91
2. 9103105 01	↓	↓	↓	↓	↓	3-27-91	SG 4-5-91
3. 9103105 02	↓	↓	↓	↓	↓	↓	SG 4-5-91
4. 9103105 03	↓	↓	↓	↓	↓	↓	SG 4-5-91
5. [illegible]-165	↓	100 ml 3-25-7	↓	↓	↓	N/A	SG 4-5-91
6.						~~N/A~~ PBP 4-2-91	
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							
21.							
22.							
23.							
24.							

PBP 4-2-91

OPENED

SOLVENT REAGENT NO.:

~~METHYLENE CHLORIDE~~ DIAZALD: DA030890140SR1 — LOT #: 09613PW

~~ACETONE~~ CARBITOL: EH030590140SR1 — LOT #: AY7814AW — 6-21-90

ETHER: EE020291 14SR2 — LOT #: AY883 — 3-26-91

HEXANE: HE031291 1BSR2 — LOT #: AY613 — 4-2-91

METHANOL: MT012291 1 14SR2 — LOT #: AZ156 — 3-14-91

SILICIC ACID SA030590140SR1 — LOT# 01807PW — 3-5-90

REVIEWED BY: [redacted]

TECHNOLOGY CORPORATION

000548

BY: LSK, LWM, RL DATE: 4/16/91 PROJECT: Ecology Environmental

CHKD BY: _____ DATE: _____ PROJECT NO: 965020

INSTRUMENT NO: HP5890-6A SAMPLE MATRIX: ~~water~~ QUANT ~~OR~~ CON?,

COLUMN TYPE: DB608 ANALYSIS TYPE: Herbicide

VIAL NO.	SMPL ID.	RUN NO.	PROJECT	DILUTION	COMMENTS
1	1-302-7	1638		None	
2	2-302-7	1639		↓	
3	3-302-7	1640			
4	4-302-7	1641			
5	5-302-7	1642			
6	Q103-16501	1643			
7	↓ 16502	1644			
8	↓ 16503	1645			
9	PBLK 165	1646			
10	LCS 165	1647		↓	
11	3-302-7	1648			

3200892

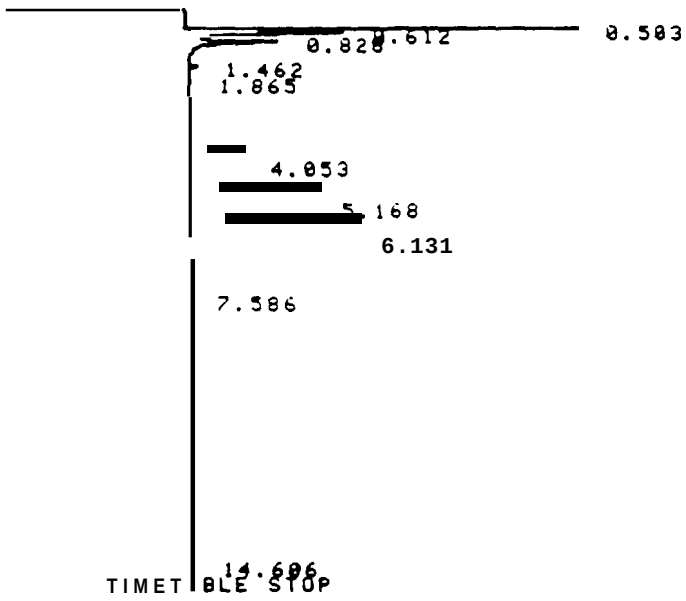
7673A SAMPLER.
LOOP ADDRESS: 8

FRONT INJECTOR

INJ/BOTTLE	0 -->	1	@
FIRST BOTTLE	1 -->	1	@
LAST BOTTLE	5 -->	11	@
# OF SAMPLE WASHES	1 --?	BREAK	

* SEQ START

Waiting for System Readiness
RUN ■ 1638 APR 16, 1991 01:12:23
START



RUNI 1638 APR 16, 1991 01:12:23

SAMPLE# 1

HEIGHT%

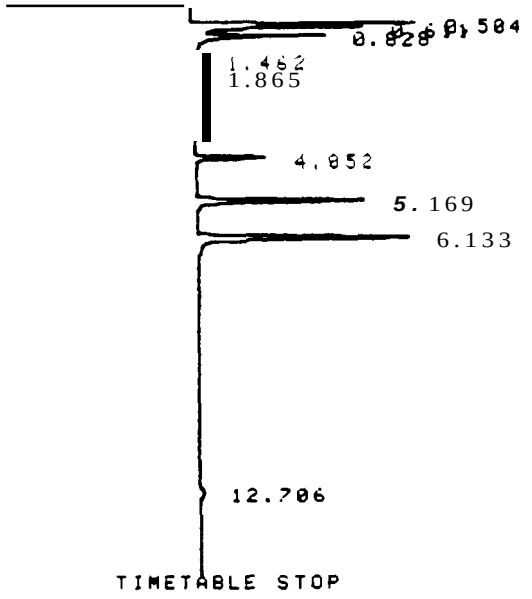
RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.503	22416	PV	.038	39.13339

.828	5155	VV	.093	8.99949
1.462	667	VB	.056	1.16444
1.865	301	BB	.059	.52548
4.053	3114	PB	.085	5.43636
5.168	7084	PB	.094	12.36710
6.131	9261	PV	.103	16.16766
7.586	181	VV	.110	.31593
14.666	148	BE	.144	.25838

TOTAL HEIGHT= 57281
MUL FACTOR=1.0000E+00

000550

RUN # 1639 APR 16, 1991 01:31:36
START



RUN# 1633 QPR 16, 1991 01:31:36

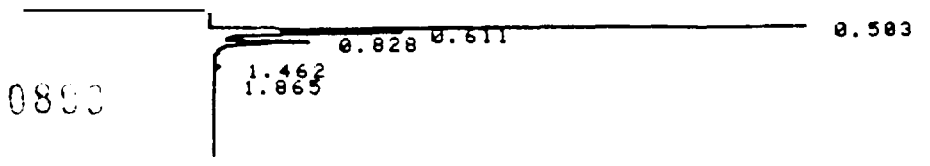
SAMPLE# 2

HEIGHT%

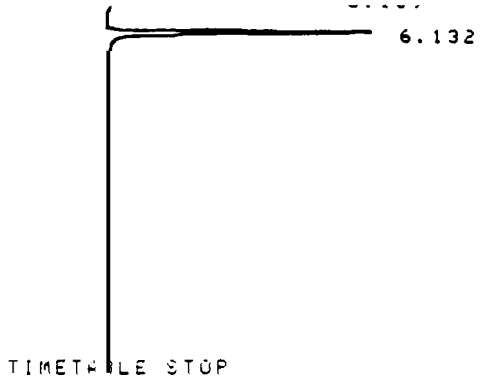
RT	HEIGHT	TYPE	YIDTH	HEIGHT%
.504	12460	PV	.043	22.61 138
.611	9441	VV	.075	17.13274
.828	7125	VB	.070	12.92986
1.462	421	PB	.053	.76400
1.865	[illegible]	BB	.061	.35931
4.052	3996	PB	.087	7.25161
5.169	9410	PB	.095	17.87650
6.133	11811	PB	.101	21.43362
12.786	243	PV	.361	.44098

TOTAL HEIGHT= 55105
MUL FACTOR=1.0000E+00

RUN # 1646 APR 16, 1991 01:50:48
START



3200800



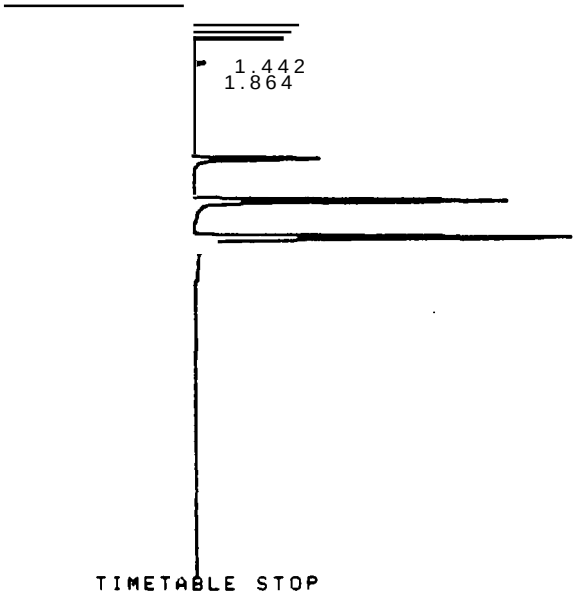
RUN# 1640 16, 1991 01:50:48

SAMPLE# 3

HEIGHT%

RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.503	33583	PV	.036	48.68923
.bll	13711	VV	.e74	13.00652
.828	5583	VV	.091	6.68506
1.402	417	VB	.059	.50637
1.a05	181	BB	.064	.21979
4.651	5025	PB	.088	6.18193
5.169	12093	PB	.096	14.68471
6.132	14907	PB	.102	18.18179

TOTAL HEIGHT= 82351
MUL FACTOR=1.0000E+00



RUN# 1641 APR 16, 1991 02:10:01

SAMPLE# 4

HEIGHT%

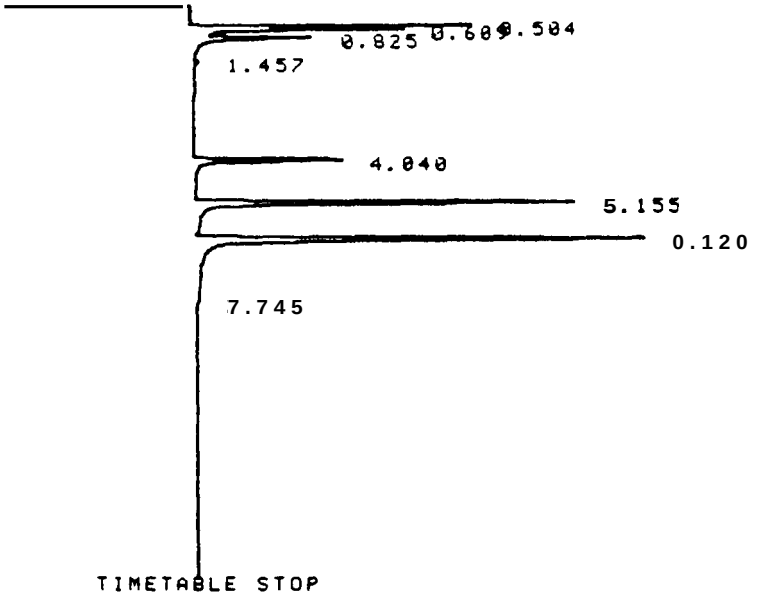
RT	HEIGHT	TYPE	WIDTH	HEICHTZ
.505	13374	BV	.045	17.68883

1.462	795	VB	.056	1.05149
1.864	258	BB	.061	.34124
4.050	7091	PB	.088	9.37876
5.165	17513	PB	.097	23.16320
6.129	21082	PB	.103	27.88366

000552

TOTAL HEIGHT= 75607
MUL FACTOR=1.0000E+00

RUN # 1642 APR 16, 1991 02:29:13
START



RUN) 1642 APR 16, 1991 02:29:13

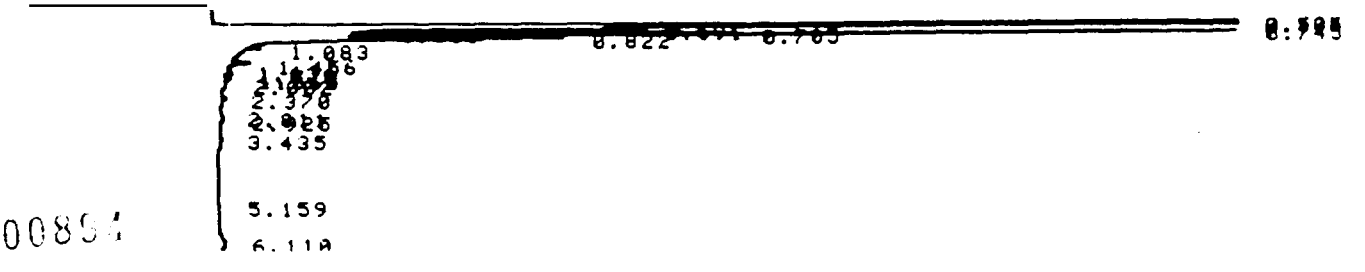
SAMPLE# 5

HEIGHT%

RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.504	15770	PV	.043	17.64850
.609	11848	VV	,069	13.25037
.825	6512	VB	.077	7.28771
1.457	368	PB	.054	.41184
4.040	8382	PB	.089	9.38045
5.155	21284	PB	.098	23.81933
6.128	25852	PB	.104	28.83618
7.74s	148	BB	.090	.16563

TOTAL HEIGHT- 89356
MUL FACTOR=1.0000E+00

RUN # 1643 APR 16, 1991 02:48:27
START



3200894

8.505
9.332

12.389

TIMETABLE STOP

RUN# 1643 APR 16, 1991 02:48:27

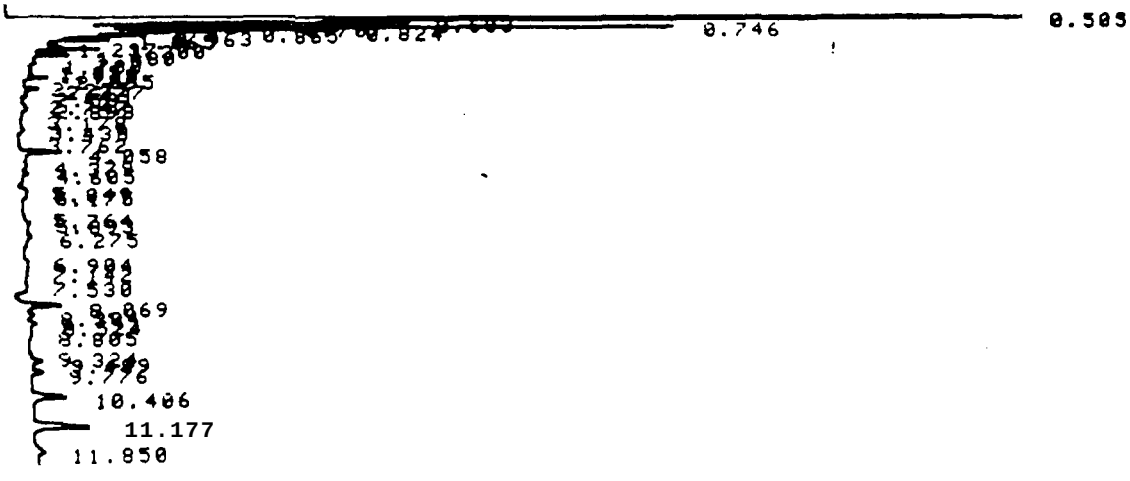
SAMPLE# b

HEIGHT%

PT	HEIGHT	TYPE	WIDTH	HEIGHT%
.504	176117	BV	.028	20.63874
.535	521071	VV	.031	61.06310
.591	24508	VV	.051	2.84860
.660	a755	VV	.029	1.82599
.705	29174	VV	.031	3.41884
.745	64014	VV	.033	7.50165
.822	19563	VV	.100	2.29254
1.083	2622	VV	.071	.30727
1.456	1923	VV	.109	.22535
1.636	782	VV	.078	.09164
1.719	422	VV	.072	.10805
1.860	846	VV	.111	.09914
2.602	447	VV	.062	.05238
2.378	419	VB	.127	.04910
2.811	134	BV	.069	.02273
2.325	344	VV	.078	.04031
3.435	180	PV	.101	.02109
5.153	lb3	PB	.157	.01910
6.110	465	BV	.212	.04746
6.752	173	PV	.175	.02098
7.450	166	VP	.225	.01945
8.505	232	BB	.168	,02719
9.332	114	PB	.114	.01336
12.309	342	BB	.134	.e4594

TOTAL HEIGHT= 853332
MUL FACTOR=1.0000E+00

RUN # 1644 APR 16, 1991 03:07:40
START



13:665

TIMETABLE STOP

000554

RUN# 1644 APR 16, 1391 03:07:40

SAMPLE# 7

HEIGHT%

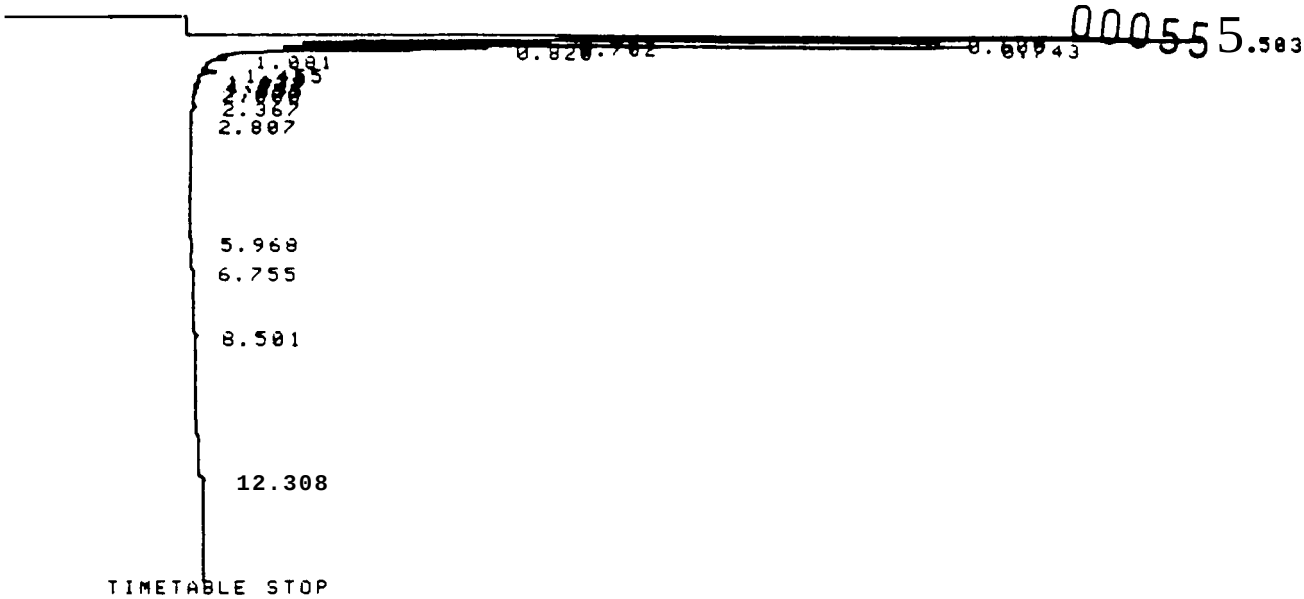
RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.503	227904	PV	.030	28.68257
.535	393134	VV	.031	56.23251
.603	22614	VV	.054	2.84606
.707	15145	VU	.032	1.90606
.746	37844	VV	.034	4.76281
.824	18599	VV	.049	2.34876
.865	12609	VV	.055	1.58689
.963	7633	VV	.064	.96140
1.065	5549	VV	.077	.69836
1.237	2266	VV	.054	.28518
1.368	4978	VV	.073	.62650
1.466	3164	VV	.116	.40072
1.703	1316	VV	.088	.16562
1.a54	1030	VV	.122	.12963
1.947	997	VV	.068	.12548
2.895	1676	VV	.073	.23610
2.275	448	VV	.108	.05638
2.377	1241	VV	.109	.15618
2.581	537	VP	.067	.06758
2.747	66	PB	.061	.01082
2.898	387	PP	.084	.04871
3.178	162	PV	.079	.02039
3.433	320	VP	.165	.04027
3.762	212	PV	.145	.02668
4.856	2535	VV	.100	.31904
4.379	539	VV	.177	.06784
4.605	675	VV	.126	.08495
5.a49	496	PV	.117	.06242
5.175	466	VV	.148	.05865
5.764	252	PV	.104	.03172
5.643	379	VV	.152	.04770
6.275	518	VP	.176	.06519
6.904	188	PP	,175	.02366
7.142	79	PB	.096	.00994
7.530	345	BV	.152	.04342
8.669	2601	PV	.139	.32735
8.304	896	VV	.170	.11276
8.524	978	VV	,146	.12308
8.805	618	VV	.305	.07778
9.324	414	VV	,131	.05210
9.489	953	VV	.148	.11994
9.776	822	VB	.128	.10345
10.486	2013	PP	.135	.25334
11.177	3288	BP	.128	.41381
11.850	548	PV	.230	.06897
12.309	358	VV	.169	.04506
12.487	234	VV	.117	.82945
13.173	7773	BV	.110	.97826
13.665	253	VV	.232	.03260
13.340	269	VV	.183	.03385

TOTAL HEIGHT= 794573

MUL FACTOR=1.0000E+00

3200895

RUN # 1645 APR 16, 1991 03:26:53
START



RUN# 1645 APR 16, 1341 03:26:53

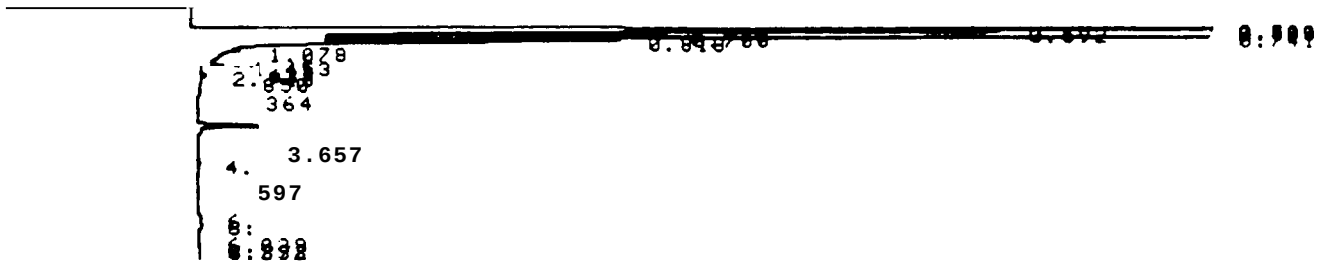
SAMPLE# 8

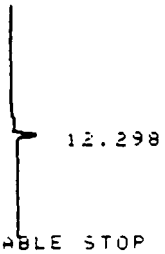
HEIGHT%

RT	HEIGHT	TYPE	WIOTH	HEIGHT%
.503	241345	PV	.029	29.90848
.533	432765	VV	.030	153.63086
.600	43026	VV	.045	5.33196
.702	26666	VV	.032	2.56027
.743	44946	VV	.032	5.56990
.820	17096	VV	.093	2.11861
1.881	2182	VV	.116	.27040
1.455	1579	VV	.186	.19568
1.639	544	VV	.078	.06741
1.717	654	VV	.073	.88105
1.855	447	VV	.893	.05539
2.000	327	VB	.079	.04052
2.367	33s	BB	.083	.04151
2.807	175	BP	.084	.02169
5.968	205	BV	.160	.02540
6.755	121	PV	.131	.01499
8.501	[illegible]	BV	.119	,02677
12.308	[illegible]	BB	.111	.03990

TOTAL HEIGHT- 806945
MUL FACTOR=1.0000E+00

RUN # 1646 APR 16, 1991 03:46:05
START





RUN# 1646 APR 16, 1991 03:46:05

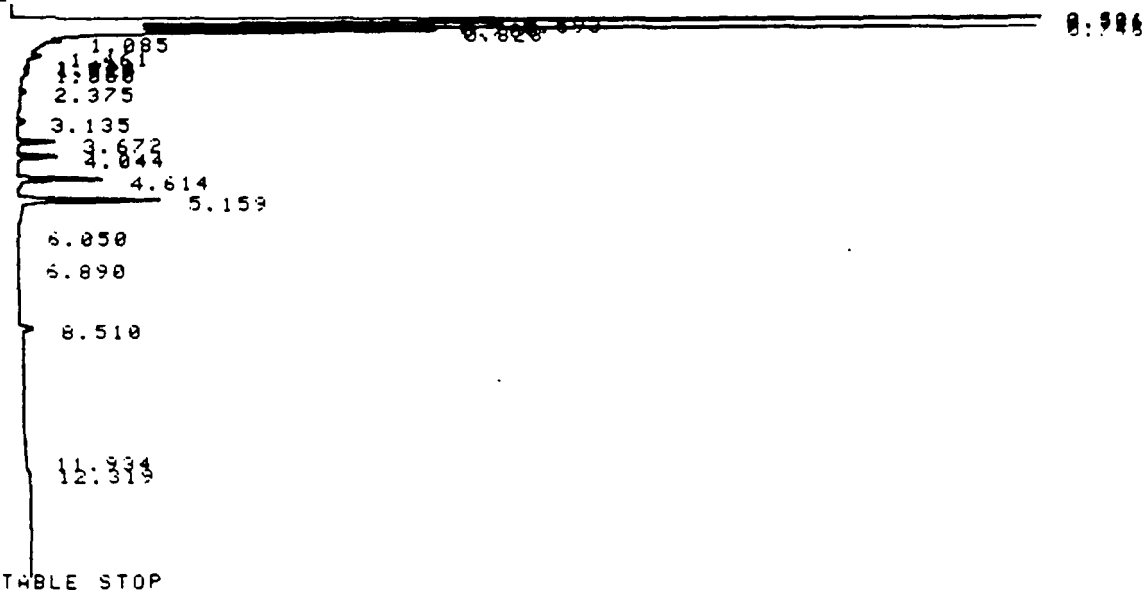
SAMPLE# 9

HEIGHT%

RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.500	163298	PV	.028	19.53648
.533	507728	VV	.030	60.74384
.592	45402	PV	.847	5.43176
.700	26365	VV	.032	3.15423
.741	59792	VV	.032	7.15333
.818	23635	VV	.088	2.62762
1.078	1917	VB	.118	.22934
1.453	903	BF	.067	.10803
1.637	271	PV	.054	.03242
1.713	332	VP	.053	.03972
1.850	145	PB	.057	.01735
2.364	454	BP	.078	.05432
3.657	3416	PB	.074	.40868
4.597	156	PB	.077	.01866
6.039	231	PV	.149	.02764
6.232	202	VB	.109	.01417
6.878	119	BB	.224	.01424
8.495	195	PB	.113	.02333
12.298	1301	PB	.115	.15565

TOTAL HEIGHT= 835862
MUL FACTOR=1.0000E+00

RUN # 1647 APR 16, 1991 04:05:18
START



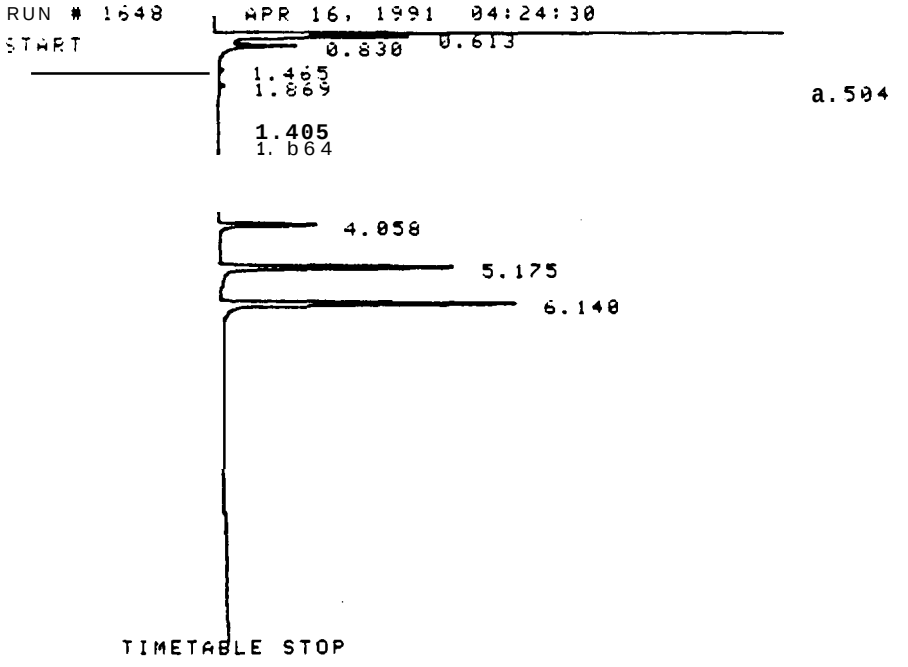
SAMPLE# 10

000557

hEIGHT%

RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.501	217822	PV	.029	24.36714
.536	520935	VV	.030	58.27554
.593	27181	VV	.058	3.04066
.705	23061	VV	.032	2.57977
.746	58533	VV	.032	6.55464
.833	23292	VV	.088	2.60561
1.085	2024	VB	.121	22642
1.461	716	BP	.071	.0801a
1.644	230	PV	.054	.02573
1.724	338	VP	.055	.03781
1.860	379	PV	.055	.04240
2.3.75	518	PB	.084	.05795
3.135	499	FV	.101	.05582
3.672	2161	PB	.074	.24174
4.044	2293	BB	.082	.25651
4.614	4793	PB	.084	.53618
5.153	7868	BB	.094	.88017
6.050	15b	BV	.149	.a1745
6.890	121	PV	.249	.ai354
8.51d	763	PB	.117	.08535
12.319	174	BB	.ld4	.ai946

TOTAL HEIGHT= 893917
MUL FACTOR=1.0000E+00



RUN# 1648 APR 16, 1991 04:24:30

SAMPLE# 11

HEIGHT%

RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.504	31969	PV	.037	38.92250
.613	10321	VB	.065	12.56590
.830	3813	BP	.062	4.64236
1.465	378	PB	.054	.46022

IT CORPORATION

GC STANDARD CALIBRATION

000558 Run on 6A D.B.6OE

TESTED BY L.S. Gilwin DATE 4/16/91 PROJECT NAME

CALC. BY RA DATE 4/17/91 PROJECT NO.

CHECKED BY DATE SHEET NO. 1 OF 4

STANDARD NO.		1-302-7			2-302-7			AVE. RF FILES:
INJECTION VOL. µl.		1			1			
		FILE NO.	RUN NO. 1638		FILE NO.	RUN NO. 1639		
	COMPOUND RT	CONC. µg/ml	~~AREA~~ Ht	RF	CONC. µg/ml	~~AREA~~ Ht	RF	
1	2,4-D-ME 4.05 4.05	0.10	3.11	31.1	0.15	4.00	26.7	25.5
2	Silvex-ME 5.17 5.17	0.05	7.08	142	0.075	9.41	125	122
3	2,4,5-T-ME 6.13 6.13	0.10	9.26	92.6	0.15	11.81	78.7	75.8

STANDARD NO.		3-302-7			4-302-7			AVE RF FILES:
INJECTION VOL. µl.		1			1			
		FILE NO.	RUN NO. 1640		FILE NO	RUN NO. 1641		
	COMPOUND RT	CONC µg/ml	~~AREA~~ Ht	RF	CONC µg/ml	~~AREA~~ Ht	RF	
1	2,4-D-ME 4.05 4.05	0.20	5.02	25.1	0.30	7.09	23.6	
2.	Silvex-ME 5.17 5.16	0.10	12.09	121	0.15	17.51	117	
3	2,4,5-T-ME 6.13 6.13	0.20	14.91	74.6	0.30	21.08	70.3	

STANDARD NO.		5-302-7			3-302-7			AVE RF FILES:
INJECTION VOL. µl.		1			1			
		FILE NO.	RUN NO. 1642		FILE NO	RUN NO. 1648		
	COMPOUND RT	CONC µg/ml	~~AREA~~ Ht	RF 21.0	CONC µg/ml	~~AREA~~ Ht	RF	
1	2,4-D-ME ~~4.06~~ 4.06	0.40	8.38	~~20~~	0.20	5.55	27.8	
2	Silvex-ME ~~5.16~~ 5.18	0.20	21.28	106	0.10	13.09	131	
3	2,4,5-T-ME ~~6.12~~ 6.14	0.40	25.05	62.6	0.20	16.51	82.6	

EQUATION: RESPONSE FACTOR (RF) = $\frac{\text{CONC µg/ml}}{\text{AREA}}$ = $\frac{\text{Ht}}{\text{conc}}$

COMMENTS: Retention Time Window

Compound	X	0.75% of X	Window
2,4-D-ME	4.05	0.03	4.02 - 4.08
Silvex-ME	5.17	0.04	5.13 - 5.21
2,4,5-T-ME	6.13	0.05	6.08 - 6.18

3200897

TESTED BY: [illegible] DATE: 4/16/91 PROJECT NAME:
CALC. BY: RZ DATE: 4/17/91 PROJECT NO:
CHECKED BY: DATE: SHEET NO.: 2 OF 000559

SAMPLE NO. Q103-16501
INJECTION VOL. ul 1
INITIAL VOL. OR WT/FINAL VOL. OR WT 1000ml → 10ml
DILUTION/ALUMINA/TBA — % MOIST. — BTH NO. 1643

COMPOUND	RF	RT	TOTAL PEAK HEIGHT	CONC. ug/l	EXP.CONC.	SAMPLE CONC.	% REC.
1 2,4-D-ME	25.5	—		ND12			
2 Silvex-ME	12.2	5.16	0.16	ND1.7			
3 2,4,5-T-ME	75.8	6.11	0.40	ND2.0			

SAMPLE NO. Q103-16502
INJECTION VOL. ul 1
INITIAL VOL. OR WT/FINAL VOL. OR WT 1000ml → 10ml
DILUTION/ALUMINA/TBA — % MOIST. — BTH NO. 1644

COMPOUND	RF	RT	TOTAL PEAK HEIGHT	CONC. ug/l	EXP.CONC.	SAMPLE CONC.	% REC.
1 2,4-D-ME	25.5	4.06	2.54	ND12			
2 Silvex-ME	12.2	5.18	0.47	ND1.7			
3 2,4,5-T-ME	75.8	—	—	ND2.0			

EQUATIONS: CONC = Total Peak Height x Final Volume (ml) x Dilution / Initial Vol or Wt (ml or gm) x RF x Amt. Injected

DETECTION LIMIT =

COMMENTS:

CALC. BY: [illegible] DATE: [illegible] PROJECT NAME:

CALC. BY: JL DATE: 4/3/91 PROJECT NO:

CHECKED BY: DATE: SHEET NO.: 3 OF 000560

SAMPLE NO. Q103-116513

INJECTION VOL. µl 1

INITIAL VOL. OR WT/FINAL VOL. OR WT 100 ml → 10 ml

DILUTION/ALUMINA/TBA — % MOIST. — RUN NO. 1645

COMPOUND	RF	RT	TOTAL PEAK HEIGHT	CONC. µg/l	EXP. CONC.	SAMPLE CONC.	% REC.
1 2,4-D-ME	25.5	—		ND			
2 Silvex-ME	122	—		↓			
3 2,4,5-T-ME	75.8	—		↓			

SAMPLE NO. PBLK 4-2-91

INJECTION VOL. µl 1

INITIAL VOL. OR WT/FINAL VOL. OR WT 100 ml → 10 ml

DILUTION/ALUMINA/TBA — % MOIST. — RUN NO. 1646

COMPOUND	RF	RT	TOTAL PEAK HEIGHT	CONC. µg/l	EXP. CONC.	SAMPLE CONC.	% REC.
1 2,4-D-ME	25.5	—		ND			
2 Silvex-ME	12.2	—		↓			
3 2,4,5-T-ME	75.8	—		↓			

EQUATIONS: CONC = $\frac{\text{Total Peak Height} \times \text{Final Volume (ml)} \times \text{Dilution}}{\text{Initial Vol or Wt (ml or mg)} \times \text{RF} \times \text{Amt. Injected}}$

DETECTION LIMIT =

COMMENTS:

3200893

CALC. BY: D.L DATE: 4/7/91 PROJECT NAME:
CHECKED BY: DATE: PROJECT NO:
SHEET NO.: 4 OF 7 000561

SAMPLE NO. LCS -165
INJECTION VOL. µl 1
INITIAL VOL. OR WT/FINAL VOL. OR WT 1000 ml -> 10 ml
DILUTION/ALUMINA/TBA — % MOIST. — LOT NO. 1647

COMPOUND	RP	RT	TOTAL PEAK HEIGHT	CONC.	EXP.CONC.	SAMPLE CONC.	% REC.
1 2,4-D-ME	25.5	4.04	3.29	0.90	0.7		129
2 Silvex-ME	122	5.16	7.87	0.65	0.8		81
3 2,4,5-T-ME	75.8	—	—				

SAMPLE NO.
INJECTION VOL. µl
INITIAL VOL. OR WT/FINAL VOL. OR WT
DILUTION/ALUMINA/TBA % MOIST. LOT NO. 16

COMPOUND	RP	RT	TOTAL PEAK HEIGHT	CONC.	EXP.CONC.	SAMPLE CONC.	% REC.
1 2,4-D-ME	25.5						
2 Silvex-ME	12.2						
3 2,4,5-T-ME	75.8						

EQUATIONS: CONC = $\frac{\text{Total Peak Height} \times \text{Final Volume (ml)} \times \text{Dilution}}{\text{Initial Vol or Wt (ml or gm)} \times \text{ml} \times \text{Amt. Injected}}$ 10 / 1000

DETECTION LIMIT =

COMMENTS:

TECHNOLOGY CORPORATION

GC AUTOSAMPLER RUN SHEET

000562

BY: LSK, LWM, RK DATE: 4/16/91 PROJECT: Ecology Environmental

CHKD BY: _____ DATE: _____ PROJECT NO: 965020

INSTRUMENT NO: ~~HP5890-7A~~ SAMPLE MATRIX: Water QUANT OR CON?.

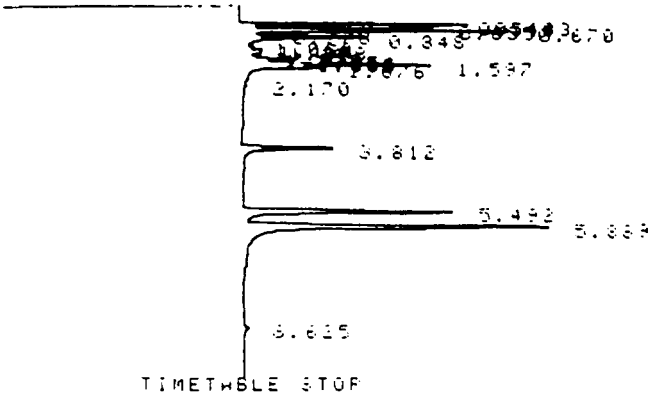
COLUMN TYPE: DB5 ANALYSIS TYPE: Herbicide

VIAL NO.	SMPL ID.	RUN NO.	PROJECT	DILUTION	COMMENTS
1	1-302-7				
2	2-302-7				
3	3-302-7				
4	4-302-7				
5	5-302-7				
6	Q103-16501				
7	↓ 16502				
8	↓ 16503				
9	PBLK 165				
10	LCS 165				
11	3-302-7				

Not Needed but Kept

3200862

RUN # 2262 APR 15, 1991 16:34:14
START



000563

RUN# 2262 APR 15, 1991 16:34:14

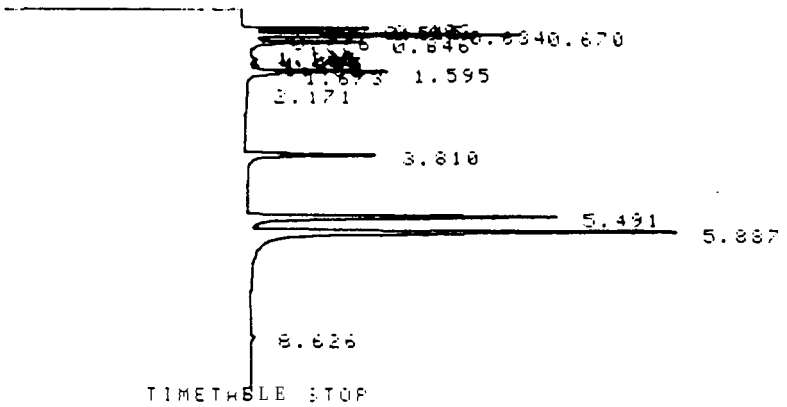
SAMPLE# 1

HEIGHT%

RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.483	26157	BV	.021	10.87347
.514	24247	VV	.029	10.07948
.635	21767	VV	.038	9.04854
.670	31237	VV	.040	12.98523
.778	3077	VV	.049	1.27911
.848	14248	VV	.072	5.92290
1.066	1065	VV	.041	.44272
1.121	1554	VV	.067	.64600
1.208	2654	VV	.048	.10327
1.379	2293	VV	.054	.95320
1.456	5879	VV	.064	2.44390
1.535	5884	VV	.041	2.44598
1.587	21485	VV	.062	8.93132
1.676	9273	VV	.082	3.85479
2.170	753	VV	.083	.31302
3.812	10415	PB	.091	4.32952
5.492	23808	PB	.100	9.89699
5.889	34141	PB	.107	14.19242
8.625	621	BV	.139	.25815

TOTAL HEIGHT= 240558
MUL FACTOR=1.0000E+00

RUN # 2263 APR 15, 1991 16:49:16
START



SAMPLE# 2

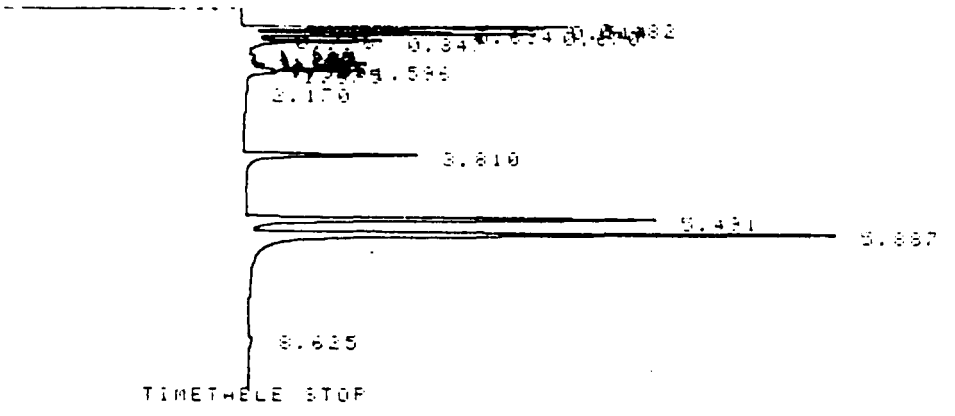
000564

HEIGHT%

RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.483	14059	BV	.024	6.29072
.515	11029	VV	.032	5.32984
.634	22641	VV	.028	10.13119
.670	31720	VV	.037	14.19315
.776	2706	V	.047	1.21060
.846	12930	VV	.065	5.83100
1.120	971	VV	.069	.43448
1.205	1031	V	.041	.46133
1.255	1760	V	.091	.78751
1.375	1537	V	.054	.68773
1.455	1315	VV	.061	.58812
1.535	16131	VV	.053	7.21836
1.670	4056	VV	.074	1.81486
2.171	836	BB	.080	.37563
3.810	14601	FB	.089	6.53324
5.431	34862	FB	.098	15.60173
5.887	47493	FB	.106	21.25081
8.626	533	BB	.126	.23849

TOTAL HEIGHT= 223488
MOL FACTOR=1.0000E+00

RUN # 2264 APR 15, 1991 17:04:14
START



RUN# 2264 APR 15, 1991 17:04:14

SAMPLE#

HEIGHT%

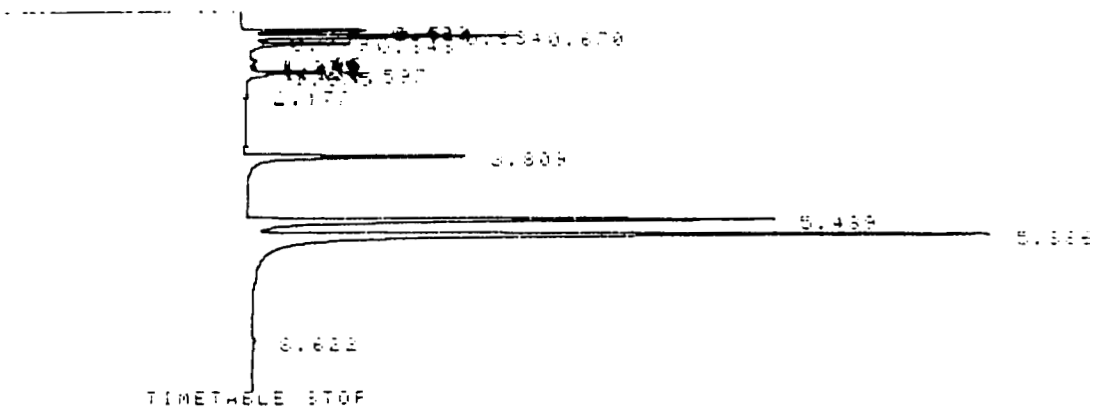
RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.482	36873	BV	.021	12.30137
.514	33945	VV	.030	11.32392
.634	23233	VV	.027	7.76317
.670	33178	VV	.039	11.03873
.776	3081	VV	.048	1.02509
.847	15479	VV	.067	5.15005
1.120	799	VV	.044	.26584
1.205	1084	VV	.043	.36066
1.254	1252	VV	.043	.41656
1.376	1300	VV	.053	.43253
1.457	2227	VV	.060	.74095
1.535	1989	VV	.037	.66176
1.596	11490	VV	.059	3.82286

3200900

3.310	19064	PB	.038	6.34353
3.491	45636	PB	.098	15.20030
5.387	64497	PB	.105	21.42530
3.615	695	BB	.124	.23124

TOTAL HEIGHT= 300560
MUL FACTOR=1.0000E+00

RUN # 2265 APR 15, 1991 17:19:14
START



RUN# 2265 APR 15, 1991 17:19:14

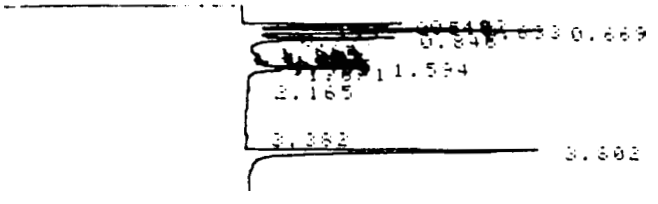
SAMPLE# 4

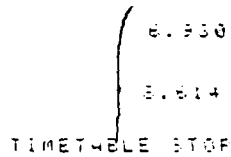
HEIGHT%

RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.483	13330	PV	.032	4.95663
.514	14170	VV	.032	5.06019
.634	33114	VV	.038	7.39704
.670	31508	VV	.039	11.25169
.779	2319	VV	.048	.82813
.848	11793	VV	.062	4.21099
1.395	1179	PV	.091	.42103
1.375	892	VV	.047	.31854
1.455	1209	VV	.055	.43174
1.535	1288	VV	.034	.45995
1.597	8748	VV	.060	3.12396
1.675	2563	VP	.063	.91526
2.172	567	PB	.059	.20248
3.109	24813	PB	.095	8.86086
5.439	59627	PP	.104	21.29315
5.336	82644	PB	.112	29.51266
8.622	716	PB	.135	.25569

TOTAL HEIGHT= 280029
MUL FACTOR=1.0000E+00

RUN # 2266 APR 15, 1991 17:34:14
START





RUN# 2266 APR 15, 1991 17:14:14

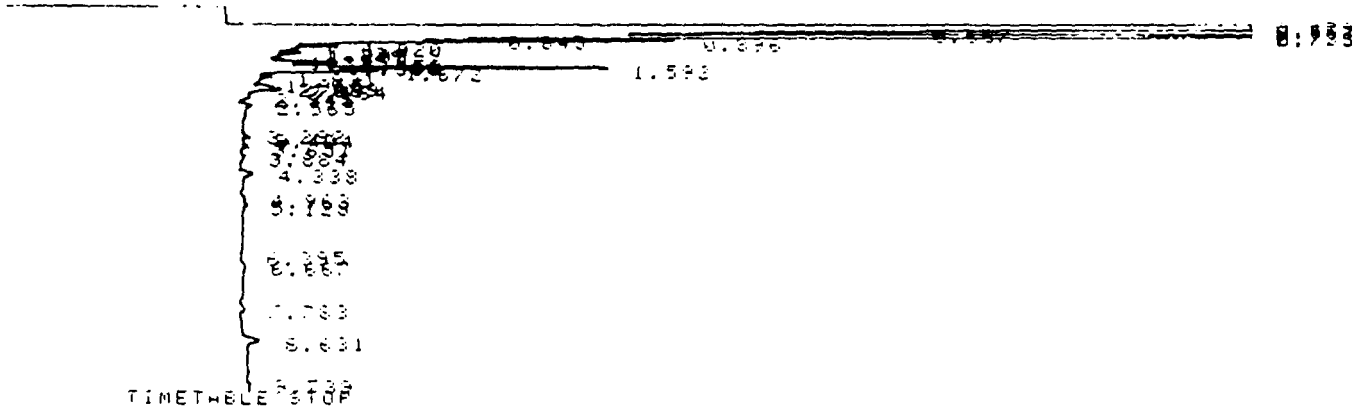
SAMPLE# 5

HEIGHT%

FT	HEIGHT	TYPE	WIDTH	HEIGHT%
.482	17817	BV	.033	4.80254
.515	16456	VV	.033	4.43120
.612	24388	VV	.028	6.57302
.669	33946	VV	.033	9.14496
.777	3536	VV	.048	.95606
.846	16859	VV	.065	4.54177
1.117	1041	VV	.070	.28071
1.205	1283	VV	.041	.34564
1.253	1754	VV	.044	.47252
1.295	1934	VV	.056	.52101
1.374	1851	VV	.054	.49865
1.455	2776	VV	.060	.74785
1.532	2473	VV	.038	.66622
1.594	13778	VV	.059	3.71122
1.671	4287	VV	.079	1.15491
2.165	738	VV	.068	.19908
2.332	374	BB	.073	.10075
2.502	32754	FB	.091	8.82384
5.451	80054	FB	.100	21.56633
5.677	112205	FB	.106	30.22772
6.930	330	BB	.045	.10237
8.614	444	BB	.135	.11961

TOTAL HEIGHT= 371199
MUL FACTOR=1.0000E+00

RUN # 2267 APR 15, 1991 17:49:16
START



RUN# 2267 APR 15, 1991 17:49:16

SAMPLE# 6

HEIGHT%

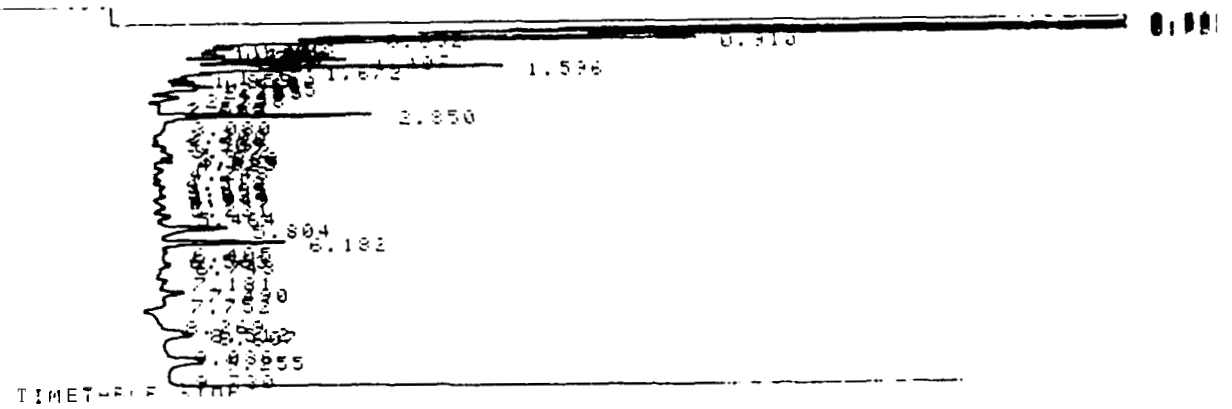
3200901

FT	HEIGHT	TYPE	WIDTH	HEIGHT%

.667	21825	FF	.024	.41637
.711	261312	FV	.020	4.99474
.775	564271	VF	.024	16.48822
.845	3911	FF	.018	.07461
.896	32366	FF	.023	.61747
1.020	4594	FV	.023	.09337
1.124	1739	VF	.041	.03318
1.203	2807	FV	.050	.05355
1.275	1679	FV	.036	.03203
1.451	7910	VV	.056	.15109
1.510	7810	VV	.039	.14933
1.592	38651	V	.054	.71741
1.673	11022	VV	.059	.24343
1.831	1911	VV	.065	.03455
1.865	771	VV	.059	.01471
2.039	2801	VV	.064	.05344
2.164	3871	VV	.076	.07385
2.245	906	VF	.113	.01728
2.565	1497	FV	.132	.02856
3.292	343	FV	.072	.00654
3.404	1156	VB	.063	.02205
3.451	953	BF	.063	.01823
3.584	611	FF	.163	.01166
4.338	1672	FV	.145	.03190
4.963	574	FV	.031	.01095
5.128	493	VB	.100	.00941
6.195	399	VV	.132	.00761
6.667	725	VV	.110	.01383
7.733	801	VF	.195	.01528
8.431	2027	FV	.237	.03867
9.719	355	BV	.306	.00734

TOTAL HEIGHT=5241754
VOL FACTOR=1.0000E+00

RUN # 2268 APR 15, 1991 18:04:15
START



RUN# 2268 APR 15, 1991 18:04:15

SAMPLE# 7

HEIGHT%

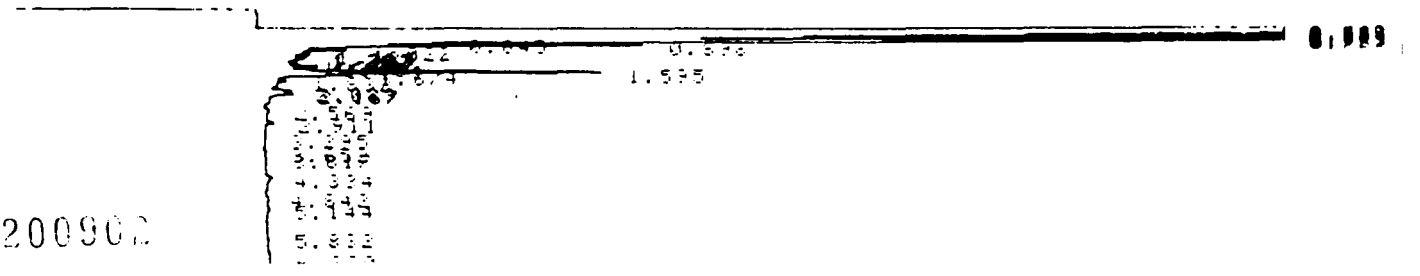
FT	HEIGHT	TYPE	WIDTH	HEIGHT%
.480	381479	FV	.033	7.20255
.519	104634	VV	.025	5.75167
.554	2632725	VV	.033	49.70741
.585	851111	VV	.025	16.06949

000568

.779	471704	VV	.027	5.94361
.851	27429	VV	.043	.51788
.920	53920	VV	.068	1.24461
1.072	11721	VV	.039	.22134
1.112	12773	VV	.055	.24114
1.169	8745	VV	.030	.16437
1.201	8735	VV	.038	.13330
1.251	10594	VV	.047	.20001
.247	11561	VV	.077	.21824
1.497	25247	VV	.078	.47668
1.574	42595	VV	.078	.80411
1.672	8405	V	.061	.15633
1.761	9437		.078	.17813
1.859	6519	VV	.084	.12433
1.953	7321	VV	.066	.13822
2.095	9135	V	.062	.17361
2.165	7410	VV	.094	.13991
2.253	5013	V	.141	.09512
2.345	2854	VV	.085	.05393
2.419	2621	VV	.078	.04949
2.550	24137	VV	.097	.49348
3.030	2653	VV	.193	.05007
3.100	1966	VV	.117	.03712
3.509	1417	VV	.098	.02675
3.672	2054	VV	.108	.03897
3.833	2668	VV	.163	.05037
4.025	2370	VB	.073	.04475
4.248	1186	BV	.116	.02239
4.513	990	VF	.067	.01869
4.695	1375	FV	.105	.02596
4.834	1259	VV	.100	.02396
4.944	1676	VV	.101	.03164
5.231	1717	VV	.199	.03242
5.464	2389	VV	.144	.04511
5.804	8745	VV	.165	.16549
6.182	15310	VV	.105	.28906
6.405	2380	VV	.136	.04494
6.561	2001	VV	.146	.03778
6.743	2786	VV	.187	.05260
7.161	2559	VV	.150	.04832
7.490	4613	VV	.177	.08710
7.752	2698	VF	.232	.05094
8.269	1260	FV	.281	.02379
8.512	3343	VV	.135	.06312
8.607	3964	VB	.136	.07484
8.088	675	BV	.111	.01274
9.155	4123	VV	.089	.07794
9.730	683	VV	.112	.01290

TOTAL HEIGHT=5296442
MUL FACTOR=1.0000E+00

RUN # 3269 APR 15, 1991 18:19:14
START



3200902

TIMETABLE STOP

RUN # 3269 APR 15, 1991 18:19:14

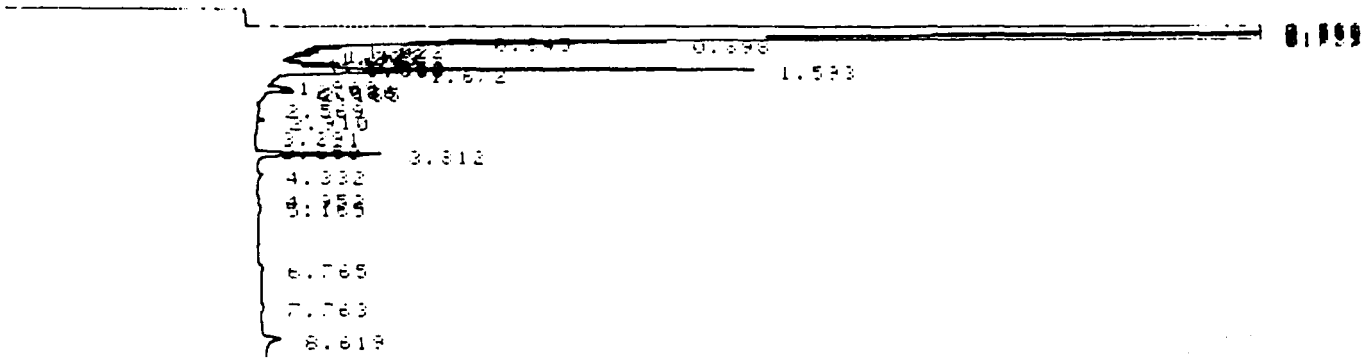
SAMPLE# 3

HEIGHT,

AT	HEIGHT	TYPE	WIDTH	HEIGHT%
.430	400201	PV	.032	7.04661
.519	14775	VV	.024	0.03257
.551	2314386	VV	.024	49.17774
.594	856123	VV	.023	18.61093
.671	215531	VV	.030	4.53177
.715	203343	VV	.031	3.52746
.777	583141	VV	.027	9.76900
.845	20875	VV	.034	.36213
.893	41431	VV	.048	.75341
1.022	10127	VV	.052	.17741
1.124	6263	VV	.066	.10873
1.203	5829	VV	.050	.10112
1.253	5456	VV	.043	.09468
1.379	4275	VV	.056	.03110
1.454	6926	VV	.070	.12015
1.595	33460	VV	.063	.58718
1.674	10609	VV	.072	.18404
1.832	3212	VV	.110	.05572
2.039	3705	VV	.074	.06427
2.167	3876	VV	.037	.06724
2.569	977	VV	.123	.01695
2.911	1303	VB	.116	.02260
3.295	417	BV	.073	.00723
3.652	401	PV	.073	.00696
3.817	482	VP	.116	.00836
4.334	849	PV	.196	.01473
4.343	261	VV	.096	.00453
5.144	593	VB	.132	.01029
5.832	133	BB	.378	.00231
6.330	235	BV	.197	.00408
6.765	545	VP	.277	.00945
7.761	486	VP	.163	.00843
8.617	1920	PV	.240	.03331
9.035	406	VV	.395	.00704

TOTAL HEIGHT=5764570
MUL FACTOR=1.0000E+00

RUN # 3270 APR 15, 1991 18:34:12
START



RUN# 2270 APR 15, 1991 18:34:12

SAMPLE# 9

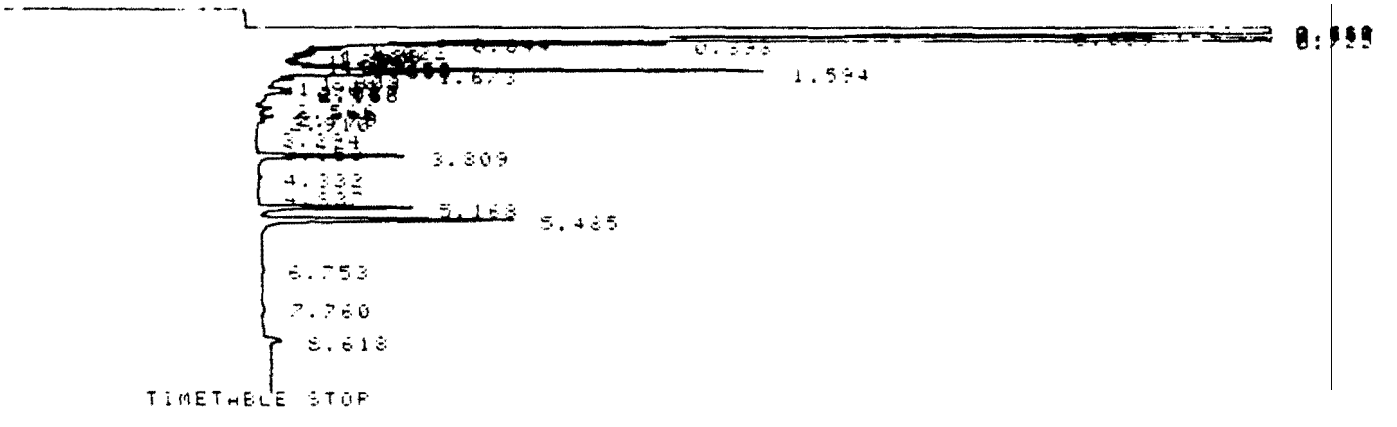
HEIGHT%

RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.410	330918	BV	.022	5.66619
.5..	277609	VV	.026	4.75156
.559	1700150	VV	.037	29.15354
.67.	151087	V	.038	2.62135
.715	301449	V	.035	5.17391
.777	843531	VV	.026	14.44398
.845	24339	VV	.037	.42531
.893	47341	VV	.050	.81063
1.022	10474	VV	.055	.17935
1.122	8041	VV	.086	.13769
1.203	7276	VV	.114	.12459
1.273	5926	VV	.063	.10147
1.452	10203	VV	.066	.17469
1.533	10186	VV	.039	.17442
1.593	57044	VV	.056	.97673
1.673	17111	VV	.073	.29300
1.869	2546	VV	.084	.04360
2.036	4587	VV	.076	.07854
2.197	4386	VV	.121	.05366
2.569	879	VV	.154	.01505
2.910	1399	VB	.089	.02214
3.291	317	BV	.068	.00543
3.650	359	FF	.062	.00615
3.912	14015	FB	.075	.23998
4.132	547	FB	.100	.00937
4.952	556	VV	.091	.00952
5.165	684	VV	.115	.01171
6.765	691	FV	.219	.01183
7.761	630	VF	.196	.01079
8.619	1838	FB	.196	.03147

TOTAL HEIGHT=5840016
MOL FACTOR=1.0000E+00

RUN # 2271 APR 15, 1991 18:49:12

START



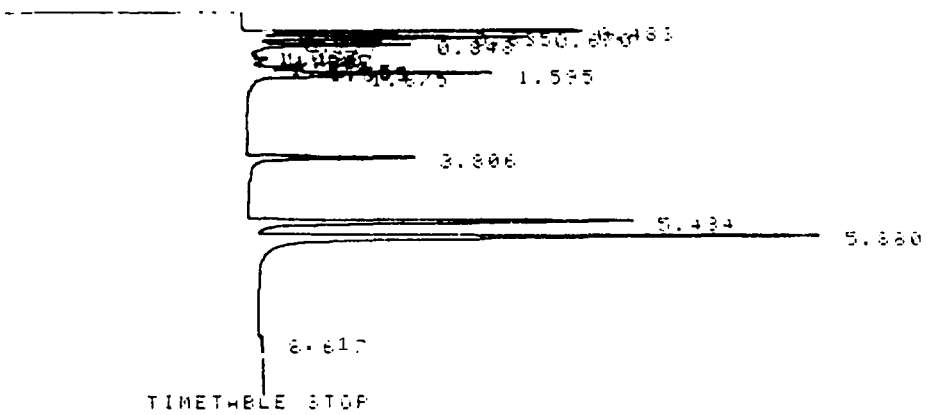
RUN# 2271 APR 15, 1991 18:49:12

3200963 SAMPLE# 10

RT	HEIGHT	TYPE	WIDTH	HEIGHT%
.430	170195	PV	.016	6.47093
.510	111631	VV	.016	5.63919
.557	1657193	VB	.034	63.93043
.669	15013	PP	.025	.48875
.715	141726	PV	.021	4.22131
.777	136491	VP	.015	5.49568
.944	1.42	PP	.020	.05517
.996	11415	PP	.024	.51409
1.022	1944	PV	.019	.04193
1.121	1014	VP	.040	.01513
1.204	1121	PV	.015	.04004
1.251	1.40	P	.041	.02141
1.279	1022	PV	.017	.01514
1.453	7.42	V	.054	.12519
1.511	7480	VV	.016	.11075
1.594	54367	VV	.053	.85906
1.671	15290	V	.057	.26717
1.909	2547	VV	.061	.04452
1.969	617	VP	.049	.01201
2.037	3192	PV	.062	.05580
2.143	3453	VP	.035	.06045
2.566	1926	PV	.095	.03367
2.779	3170	VV	.076	.05793
2.910	1035	V	.073	.01807
3.194	355	BV	.070	.00621
3.453	512	PV	.064	.00895
3.809	14376	VB	.077	.25625
4.332	423	VB	.094	.00739
4.837	293	PV	.089	.00512
5.168	17153	PV	.086	.29992
5.435	26396	VB	.095	.49461
6.753	513	PP	.207	.00932
7.760	604	BP	.170	.01056
8.5.3	3030	PV	.193	.05548

TOTAL HEIGHT=5720390
NOL FHITOP=1.0000E+00

RUN # 3372 APR 15, 1991 19:04:12
START



RUN# 3372 APR 15, 1991 19:04:12

SAMPLE# 11

HEIGHT%

RT	HEIGHT	TYPE	WIDTH	HEIGHT%

.615	23023	VV	.026	7.64901
.670	32124	VV	.043	10.70124
.777	3201	VV	.048	1.26227
.845	13549	VV	.064	6.15991
1.067	738	VV	.040	.24503
1.120	1243	VV	.057	.41279
1.207	2441	VV	.090	.81061
1.278	1812	VV	.046	.60175
1.454	6150	VV	.059	2.05563
1.515	6283	VV	.039	2.09 72
1.595	27319	VV	.058	9.07234
1.675	10515	VB	.065	3.49856
1.804	18304	FB	.036	6.24460
5.484	41051	FB	.093	14.29677
5.880	62973	FB	.104	20.91265
6.67	405	FB	.140	.13450

TOTAL HEIGHT= 301124
MUL FACTOR=1.0000E+00

000572

3200904

IT CORPORATION

000573

GC STANDARD CALIBRATION

TESTED BY [illegible] DATE 4-15-91 PROJECT NAME

CALC. BY [illegible] DATE 4-15-91 PROJECT NO.

CHECKED BY DATE SHEET NO. 1 OF

STANDARD NO.		1-302-7			2-302-7			AVE. RF FILES: 2263-2266
INJECTION VOL. µl.		1			1			
		FILE NO.	RUN NO. 2262		FILE NO.	RUN NO. 2263		
	COMPOUND RT	CONC. µg/ml	AREA PK HT	RF	CONC. µg/ml	AREA PK HT	RF	
1	2,4-D, ME 3.81/3.81	0.100	10415	104150	0.150	14601	97340	92281
2	SILVEX, ME 5.49/5.49	0.050	23808	476160	0.075 ~~0.050~~	34868	464907	459142
3	2,4,5-T, ME 5.89/5.89	0.100	34141	341410	0.150	47493	316620	307801

STANDARD NO.		3-302-7			4-302-7			AVE RF FILES:
INJECTION VOL. µl.		1			1			
		FILE NO.	RUN NO. 2264		FILE NO	RUN NO. 2265		
	COMPOUND RT	CONC µg/ml	AREA PK HT	RF	CONC µg/ml	AREA PK HT	RF	
1	2,4-D, ME 3.81/3.81	0.200	190164	95320	0.300	24813	82710	
2.	SILVEX, ME 5.49/5.49	0.100	45686	456860	0.150	59627	397513	
3	2,4,5-T, ME 5.89/5.89	0.200	64997	324985	0.300	82644	275480	

STANDARD NO.		5-302-7			3-302-7			AVE RF FILES: 90 D & 5273 + 5-PT
INJECTION VOL. µl.		1			1			
		FILE NO.	RUN NO. 2266		FILE NO	RUN NO. 2272		
	COMPOUND RT	CONC µg/ml	AREA PK HT	RF	CONC µg/ml	AREA	RF	
1	2,4-D, ME 3.80/3.81	0.400	32754	81885	0.200	18804	94020	-1.9
2	SILVEX, ME 5.48/5.48	0.200	80054	400270	0.100	43051	430510	2.0
3	2,4,5-T, ME 5.87/5.88	0.400	112305	280512	0.200	62973	314865	-2.3

EQUATION: RESPONSE FACTOR (RF) = $\frac{\text{CONC } \mu g/ml}{\text{AREA}}$

COMMENTS:

CALC. BY: [illegible] DATE: 4-15-91 PROJECT NAME:
CHECKED BY: DATE: PROJECT NO:
SHEET NO.: 000574

SAMPLE NO. Q10316501
INJECTION VOL. µl 1
INITIAL VOL. OR WT/FINAL VOL. OR WT 1000ml / 10.0ml
DILUTION/ALUMINA/TBA — % MOIST. — RUN NO. 2267

COMPOUND RF	RT	TOTAL PEAK HEIGHT	CONC. µg/l	EXP.CONC.	SAMPLE CONC.	% REC.
1 2,4-D,ME 42301	3.88	611	<1.2			
2 SILVEX,ME 439142	ND	—	<0.17			
3 2,4,5T,ME 307801	ND	—	<0.20			

SAMPLE NO. Q10316502
INJECTION VOL. µl 1
INITIAL VOL. OR WT/FINAL VOL. OR WT 1000ml / 10.0ml
DILUTION/ALUMINA/TBA — % MOIST. — RUN NO. 2268

COMPOUND RF	RT	TOTAL PEAK HEIGHT	CONC.	EXP.CONC.	SAMPLE CONC.	% REC.
1 2,4-D,ME 45301	ND	—	<1.2			
2 SILVEX,ME 439142	5.46	2389	<0.17			
3 2,4,5T,ME 307801	ND	—	<0.2			

EQUATIONS: CONC = $\frac{\text{Total Peak Height} \times \text{Final Volume (ml)} \times \text{Dilution}}{\text{Initial Vol or Wt (ml or gm)} \times \text{ml} \times \text{Amt. Injected}}$

DETECTION LIMIT =
COMMENTS:

3200905

CALC. BY: DKF DATE: 4-15-91 PROJECT NO:

CHECKED BY: DATE: SHEET NO.: OF 000575

SAMPLE NO. Q 10316503

INJECTION VOL. µl 1

INITIAL VOL. OR WT/FINAL VOL. OR WT 1000 ml / 10.0 ml

DILUTION/ALUMINA/TBA — % MOIST. — RUN NO. 2269

COMPOUND RF	RT	TOTAL PEAK HEIGHT	CONC. ug/l	EXP. CONC.	SAMPLE CONC.	% REC.
1 2,4-D, ME 432801	3.82	485	<0.2			
2 SILVEX, ME 439142	ND	—	<0.17			
3 2,4,5-T, ME 307801	ND	—	<0.2			

SAMPLE NO. PBLK 03165 (PBLK 4-2-91)

INJECTION VOL. µl 1

INITIAL VOL. OR WT/FINAL VOL. OR WT 1000 ml / 10.0 ml

DILUTION/ALUMINA/TBA — % MOIST. — RUN NO. 2270

COMPOUND RF	RT	TOTAL PEAK HEIGHT	CONC.	EXP. CONC.	SAMPLE CONC.	% REC.
1 2,4-D, ME 432801	3.81	14015	1.52			
2 SILVEX, ME 439142	ND	—	<0.17			
3 2,4,5-T, ME 307801	NO	—	<0.2			

EQUATIONS: CONC = Total Peak Height x Final Volume (ml) x Dilution / Initial Vol or Wt (ml or gm) x ml x Amt. Injected

DETECTION LIMIT =

COMMENTS:

CALC. BY: [illegible] DATE: 4-15-91 PROJECT NAME: PROJECT NO: 000576

CHECKED BY: DATE: SHEET NO.: OF

SAMPLE NO. LCS 03165 (LCS 4-2-91)

INJECTION VOL. µl 1

INITIAL VOL. OR WT/FINAL VOL. OR WT 1000 ml / 10.0 ml

DILUTION/ALUMINA/TBA — % MOIST. — RUN NO. 3371

COMPOUND RF	RT	TOTAL PEAK HEIGHT	CONC. µg/l	EXP. CONC.	SAMPLE CONC.	% REC.
1 3,4-D,ME 92281	3.81	16376	1.77	0.7	—	253
2 SILVEX,ME 439142	5.48	28246	0.644	0.8	—	80
3 3,4,5-T,ME 307801	ND	—	20.3			

SAMPLE NO.

INJECTION VOL. µl

INITIAL VOL. OR WT/FINAL VOL. OR WT

DILUTION/ALUMINA/TBA % MOIST. RUN NO.

COMPOUND RF	RT	TOTAL PEAK HEIGHT	CONC.	EXP. CONC.	SAMPLE CONC.	% REC.
1						
2						
3						

EQUATIONS: CONC = Total Peak Height x Final Volume (ml) x Dilution / Initial Vol or Wt (ml or gm) x RF x Amt. Injected

DETECTION LIMIT =

COMMENTS:

3200906

ecology and environment, inc.

388 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684 8060
International Specialists in the Environment

CHAIN-OF-CUSTODY RECORD

Project No.: 4117
Project Name: NASP IWTP March Sample
Project Manager: B. CALDWELL
Samplers (Signatures): A Webber, L Edwards
Field Team Leader: A Webbers

STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE TYPE AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Appendix IX, RCRA, BNA, Herbicides, Pesticides	REMARKS
W006	13 MAR	1700		X		Low Level	GM66	4	X	

Relinquished By (Signature): A Webber — Date/Time: 26 Mar 91/1700
Received By (Signature):
Relinquished By (Signature): — Date/Time:
Received By (Signature):
Relinquished By (Signature): — Date/Time: 3/27/91 1710
Received For Laboratory By (Signature): B Finley
Relinquished O (Signature): — Date/Time:
Received By (Signature):
Relinquished B (Signature): — Date/Time:
Received By (Signature):
Relinquished I (Signature): — Date/Time:
Received For Laboratory By (Signature):
Ship Via: FEDERAL EXPRESS
BL/Airbill Number: [illegible]
Date: 26 Mar 91

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

*See CONCENTRATION RANGE on back of form

000057

ecology and environment, inc.
338 PLEASANTVIEW DRIVE, LANCASTER NEW YORK 14086, TEL 716/684 8060
International Specialists in the Environment

CHAIN OF CUSTODY RECORD

Project No.	Project Name	Project Manager
LLH 7	NASP IWTP MARCH Sample	B CALDWELL

Samplers (Signatures): A Wellers / J. Edwards

Field Team Leader: A Webbers

STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE TYPE AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Arsenic	Ba	Pb	Cd	Cr	Hg	REMARKS
W0066	25Mar	13:00		X		Low Level	EM66	1	X						
FB02	25Mar	14:00		X		" "	FB02	5	X						

Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	Ship Via
A Wellers	26 Mar 91/1.0					FEDERAL EXPRESS
Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	BL/Airbill Number: 96[illegible]4556
Relinquished By (Signature)	Date/Time 3/25/91 0910	Received For Laboratory By (Signature) B. [illegible]	Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)	Date: 26 MAR 91

Distribution: Original Accompanies Shipment, Copy to Coordinator Field Files

*See CONCENTRATION RANGE on back of form.

234066

000578

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International Specialists in the Environment

ANALYZE all parameters according to specific QAPP for this project (see B Krajewski)

Page 1 of 1

CHAIN OF CUSTODY RECORD

Project No	Project Name	Project Manager
4H7	NASP IWTP March Sampling	B. Caldwell

Samplers (Signatures): A Walters, J Edwards

Field Team Leader: A Webbers

STATION NUMBER	DATE 1991	TIME	SAMPLE TYPE COMP	GRAB	AIR	SAMPLE INFORMATION / EXPECTED COMPOUNDS (Concentration)*	STATION LOCATION	NUMBER OF CONTAINERS	Appendix IX - PAHs, Pb, Hg, Cd, Cr	Pesticides					REMARKS
92 W001	25 Mar	1500		X		Low Level	46-1	5	X						

Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	Ship Via
A Walters	26 Mar 91/1100					FEDERAL EXPRESS
Relinquished By (Signature)	Date/Time	Received By (Signature)	Relinquished By (Signature)	Date/Time	Received By (Signature)	BL/Airbill Number: 9659244545
Relinquished By (Signature)	Date/Time 4-3/91 0900	Received For Laboratory By (Signature)	Relinquished By (Signature)	Date/Time	Received For Laboratory By (Signature)	Date: 26 Mar 91

Distribution: Original Accompanies Shipment. Copy to Coordinator Field Files

*Attach CONCENTRATION RANGE on back of form.

234056

000579

ITAS PITTSBURGH LOGIN SHEET

03/27/91

AM NUMBER: Q1-03-165
LIENT CODE: ECOLOGY-ENV
ROJECT NUM: 965020
ROJECT NAME: ECOLOGY ENVIRONMENT

RECEIVED: 03/27/91

LOCATION: v2

REPORT TO: TONY BOGOLIN/BRIAN CALDWELL
FORMAT: NDP

SAMP TYPE: WATER
QUOTE/PO:

ORK DESCR:
RAW DATA PACKAGE

FINAL

	D/S R	CLIENT ID						
Q 6501		P32 W001	XBAWS	XHBWS	XPPWS	BNA	HRBW	PPPW
Q 6502		P32 W066						
Q 6503		P32 WFB02						

KWD SJG SB. MR

000580

ATTACHMENT H

DATA VALIDATION SUMMARY

M E M O R A N D U M

TO: Brian Caldwell

FROM: Barb Krajewski

DATE: May 20, 1991

RE: Review of IT Corporation Appendix IX Organic Data Package
- NAS Pensacola RCRA Monitoring

Attached is the review of the IT Corporation Analytical results data package for the Appendix IX Organic parameters.

Due to the time limitation, this review was not detailed. However, the best effort was made to verify the positive values reported and to ensure you that IT Corporation performed the analysis which was requested of them.

GH/bjh
enclosure

The analytical data package from IT Corporation received by the E & E Inc. Analytical Services Center on May 24, 1991 was reviewed for completeness and technical validity. The data package contained results for the analysis of three water samples for the Appendix IX organic parameters, except the volatile compounds.

Method 8270 - Semi Volatiles

Samples were analyzed within method hold times, under an acceptable tune clock and calibration. Some large percent difference values in response factors were recorded but this is believed to be due to the nature of the compound not analytical technique.

Surrogate spike recoveries, as well as internal standard area responses, were acceptable. A matrix spike analysis was not performed. The method blank was also acceptable as it contained no contaminants above the quantitation limit.

The mass spectra provided are poorly labeled. There is no distinction between the spectra pictured to indicate sample from reference standard. Compound names are not provided. Since GC/MS data systems are manufacture specific, it is a courtesy to clearly label the raw data.

The raw data also revealed the presence of several compounds below the quantitation limit which were not reported for the summary tables at the beginning of the data package. The most significant compound in this category is methylphenol detected in P32W066. The raw data lists it as present at 9 ug/L but since the reported quantitation limit is 10 ug/L, it is not listed on the summary tables. The raw data is unclear in its presentation of methylphenol quantitation. Since a total methylphenol value is reported, it is assumed that this encompasses the three isomers. Then, are the three isomers included in the standard or is one used to determine the response factor? Therefore, the quantitation of methyphenol remains questionable.

Method 8140 - Organophosphorus Pesticides

The organophosphorus pesticide chromatograms provided did not identify sample, standards, or blanks. A select few were labeled but the identification number given did not pertain to this sample delivery. Therefore, the raw data was not reviewed.

The analytical summary tables provided indicate acceptable results. Hold time criteria was met, with good surrogate and matrix spike recoveries. The method blank was acceptable.

Method 8080 - Organachlorine Pesticides

Samples were analyzed within hold times under an acceptable calibration. The percent difference in dieldrin calibration factors was slightly above the acceptable limit in one check standard but did not affect overall data quality.

Surrogate spike recoveries were acceptable. The method blank was free of contaminants. No matrix spike analysis was performed.

Method 8150 - Herbicides

Raw data provided is from two dates - 04/15 and 04/16. The results reported are from the 04/16 analysis. These are acceptable, meeting hold time, calibration, and method blank criteria. Surrogate compounds were not added and no matrix spike analysis was performed.

The 04/15 analysis contains blank contamination. Since it appears the problem was corrected without reextration, this raw data need not have been included.

Method 8280 - Dioxin

Overall, the method appears to have been followed reasonably well. All samples were extracted and analyzed within the required hold time. A five-point calibration was analyzed in triplicate with mean response factors having a XRSD less than 10%. The ion abundance criteria for each of the analytes appeared to be met, however, only a few analytes were checked. The method blank appeared to be free of contamination; however, recovery of the 13C-2,3,7,8-TCDD was somewhat high at 139%. Recoveries in the samples ranged from 88 to 119%. No chlorinated furans or dioxins were detected in the samples. However, recoveries of the 13C standards met acceptable criteria. No sample spikes were reported.

Summary

Based on this preliminary review, the data appears to be valid with no serious violations of the methodologies.

Barbara Krajewski

Barbara Krajewski
QA Chemist

May 28, 1991

CASE NARRATIVE

ESE, INC. JOB NO.: 9100.825

PROJECT NO.: UH-7000 NASP MARCH SAMPLING (IWTP)

Attached is the laboratory report of the analysis conducted on four samples received at the Analytical Services Center on April 10, 1991. Samples were received in good condition. Analysis was performed according to the procedures set forth in "Methods for the Chemical Analysis of Water and Wastes," EPA-600/4-79-020, March 1983; "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater,'' EPA-600/4-82-057, July 1982; and "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SU-846, Third Edition, U.S. EPA, 1986.

The cyanide sample GM-66 was received at a pH of 4.

A separate review of the sampling/field procedures documentation (field log books, chain-of-custody forms, etc.) showed no procedural problems or deficiencies.

The data for these cases are acceptable for use with the noted qualifications.

All samples on which this report is based will be retained by E & E for a period of 30 days from the date of this report, unless otherwise instructed by the client. If additional storage of samples is requested by the client, a storage fee of $1.00 per sample container per month will be charged for each sample, with such charges accruing until destruction of the samples is authorized by the client.

GH/tjb
Enclosure