

## PCB DATA

CLIENT:  
PROJECT ID:  
SDG#:  
IEA ID:

ROUX ASSOCIATES  
AMTRAK SUNNYSIDE  
Z0148  
30930-0148

**NYSDEC 89 PROTOCOLS  
PCB'S**

**CLIENT:  
PROJECT ID:  
SDG.#  
IEA ID:**

**ROUX ASSOCIATES  
AMTRAK SUNNYSIDE  
Z0148  
30930-0148**

26  
WATER PESTICIDE SURROGATE RECOVERY

791

Job Name: 10A

Contract: \_\_\_\_\_

Lab Code: 18A

Case No.: 0148

SAS No.: \_\_\_\_\_

SDB No.: 20148

	EPA SAMPLE NO.	S1 (DBC) #	OTHER
01	PBLK00	278 *	
02	PBLK06	118	
03	PBLK07	93	
04	FIELD BLANK	131	
05	MHW-1	95	
06	MHW-2	63	
07	MHW-3	119	
08	MHW-5	140	
09	MHW-6	135	
10	MHW-7	247 *	
11	MSB MW-45	123	
12	MW-1	109	
13	MW-23	110	
14	MW-27	111	
15	MW-35	83	
16	MW-43	97	
17	MW-44	112	
18	MW-45	123	
19	MW-45MS	114	
20	MW-45MSD	129	
21	MW-45STD	155 *	
22	MW-46	91	
23	MW-47	426 *	
24	REPLICATE	109	
25			
26			
27			
28			
29			
30			

ADVISORY  
QC LIMITS  
(24-154)

S1 (DBC) = Dibutylchlorodate

# Column used to flag recovery values

\* Values outside of QC limits

D Surrogates diluted out

IEA  
 200 Monroe Turnpike  
 Monroe, CT 06468 (203) 261-4458

702

~~PCB Matrix Spike/Matrix Spike Duplicate Recovery~~  
 Results Reported as ug/L mg/Kg ug/Kg

STD RECOVERY  
 0.95  
 1.10

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Matrix Spike - EPA Sample No.:

QC CHECK STD

Compound	Spike Added	Sample Concentration	HS Concentration	HS % Rec
AR 1242	1.0	0.0	0.95	95
AR 1260	1.0	0.0	1.10	110

Compound	Spike Added	HSD Concentration	HSD % Rec	% RPD

Comments: \_\_\_\_\_

IEA  
 200 Monroe Turnpike  
 Monroe, CT 06468 (203) 261-4458

783

PCB Matrix Spike/~~Matrix Spike Duplicate Recovery~~  
 Results Reported as ug/L mg/Kg ug/Kg

MSB Recovery *JL*  
 03/18/92

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Matrix Spike - EPA Sample No.: MSB MW-45

Compound	Spike Added	Sample Concentration	HS Concentration	HS % Rec
<u>AR 1260</u>	<u>0.2</u>	<u>0.0</u>	<u>0.18</u>	<u>90</u>

Compound	Spike Added	HSD Concentration	HSD % Rec	% RPD

Comments: \_\_\_\_\_

IEA  
200 Monroe Turnpike  
Monroe, CT 06468 (203) 261-4458

794

PCB Matrix Spike/Matrix Spike Duplicate Recovery  
Results Reported as ug/L mg/Kg ug/Kg

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDG No.: 20148

Matrix Spike - EPA Sample No.: MW-45 MS/MSD

Compound	Spike Added	Sample Concentration	HS Concentration	HS % Rec
AR 1260	0.2	0.0	0.21	105

Compound	Spike Added	MSD Concentration	HSD % Rec	% RPD
AR 1260	0.2	0.17	85	10.5

Comments: \_\_\_\_\_

PESTICIDE METHOD BLANK SUMMARY

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: 2 SDB No.: Z0148  
 Lab Sample ID: 0210-B05 Lab File ID: \_\_\_\_\_  
 Matrix:(soil/water) WATER Level:(low/med) LOW  
 Date Extracted: 02/10/93 Extraction: (SepF/Cont/Sonc)SEPF  
 Date Analyzed (1): 03/02/93 Date Analyzed (2): 03/09/93  
 Time Analyzed (1): 05:09 Time Analyzed (2): 01:34  
 Instrument ID (1): 6C4B Instrument ID (2): 6C1B  
 GC Column ID (1): DB-1701 GC Column ID (2): RTX-35

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	FIELD BLANK	03/02/93	03/10/93
02	MHW-3	03/02/93	03/09/93
03	MHW-5	03/02/93	
04	MHW-6	03/02/93	03/09/93
05	MHW-7	03/02/93	03/09/93
06	MW-27	03/03/93	
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			

COMMENTS: \_\_\_\_\_

PESTICIDE METHOD BLANK SUMMARY

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Date No.: 0148 MSB No.: \_\_\_\_\_ RDB No.: \_\_\_\_\_ 20148  
 Lab Sample ID: 0211-B09 Lab File ID: \_\_\_\_\_  
 Matrix:(soil/water) WATER Level:(low/med) LOW  
 Date Extracted: 02/11/93 Extraction: (SepF/Cont/Sonc)SEPF  
 Date Analyzed (1): 03/09/93 Date Analyzed (2): 03/10/93  
 Time Analyzed (1): 16:40 Time Analyzed (2): 01:27  
 Instrument ID (1): 604B Instrument ID (2): GC1B  
 GC Column ID (1): DB-1701 GC Column ID (2): RIX-35

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	MSB - MN -45	0148009 MSB	03-02-93	
02	MN-43	0148011	03-02-93	
03	MN-23	0148019	03-03-93	
04	MN-44	0148012	03-02-93	
05	MN-45	0148009	03-02-93	
06	MN-45MS	0148009 MS	03-03-93	
07	MN-45MSD	0148009 MSD	03-03-93	
08	MN-45 STD	0148009 STD	03-02-93	
09	MN-46	0148013	03-02-93	03-10-93
10	MN-47	0148020	03-03-93	
11	MN-1	0148018	03-03-93	03-10-93
12	REPLICATE	0148017	03-03-93	
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: \_\_\_\_\_



4C  
METHOD BLANK SUMMARY

797

Lab Name: IEA Contract: \_\_\_\_\_  
 Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Lab Sample ID: 0211-809 ACID c/v Lab File ID: \_\_\_\_\_  
 Matrix: (soil/water) WATER Level: (low/med) Low  
 Date Extracted: 02-11-93 Extraction: (SepF/Cont/Sonc) SEPF  
 Date Analyzed (1): 03-09-93 Date Analyzed (2): 03-10-93  
 Time Analyzed (1): 06 17:33 Time Analyzed (2): 06:14  
 Instrument ID (1): GC4B Instrument ID (2): GC1B  
 GC Column ID (1): 206-1701 GC Column ID (2): RTX-35

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	HHN-1	0148010	03-09-93	03-08-93
02	HHN-35	0148014	03-09-93	03-08-93
03	HHN-2	0148016	03-09-93	03-09-93
04		0148024-03/15/93		
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

Page 1 of 1

10  
PCB ORGANIC ANALYSIS DATA SHEET

LAB SERVICE NO.

Lab Name: IEA Contract: \_\_\_\_\_

Lab Code: IEA Base No.: 0148 SAS No.: \_\_\_\_\_ SCS No.: Z0148

Matrix: (soil/water) WATER Lab Sample ID: 0148001

Sample wt/vol: 1000. (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 02/09/93

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 02/10/93

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/02/93

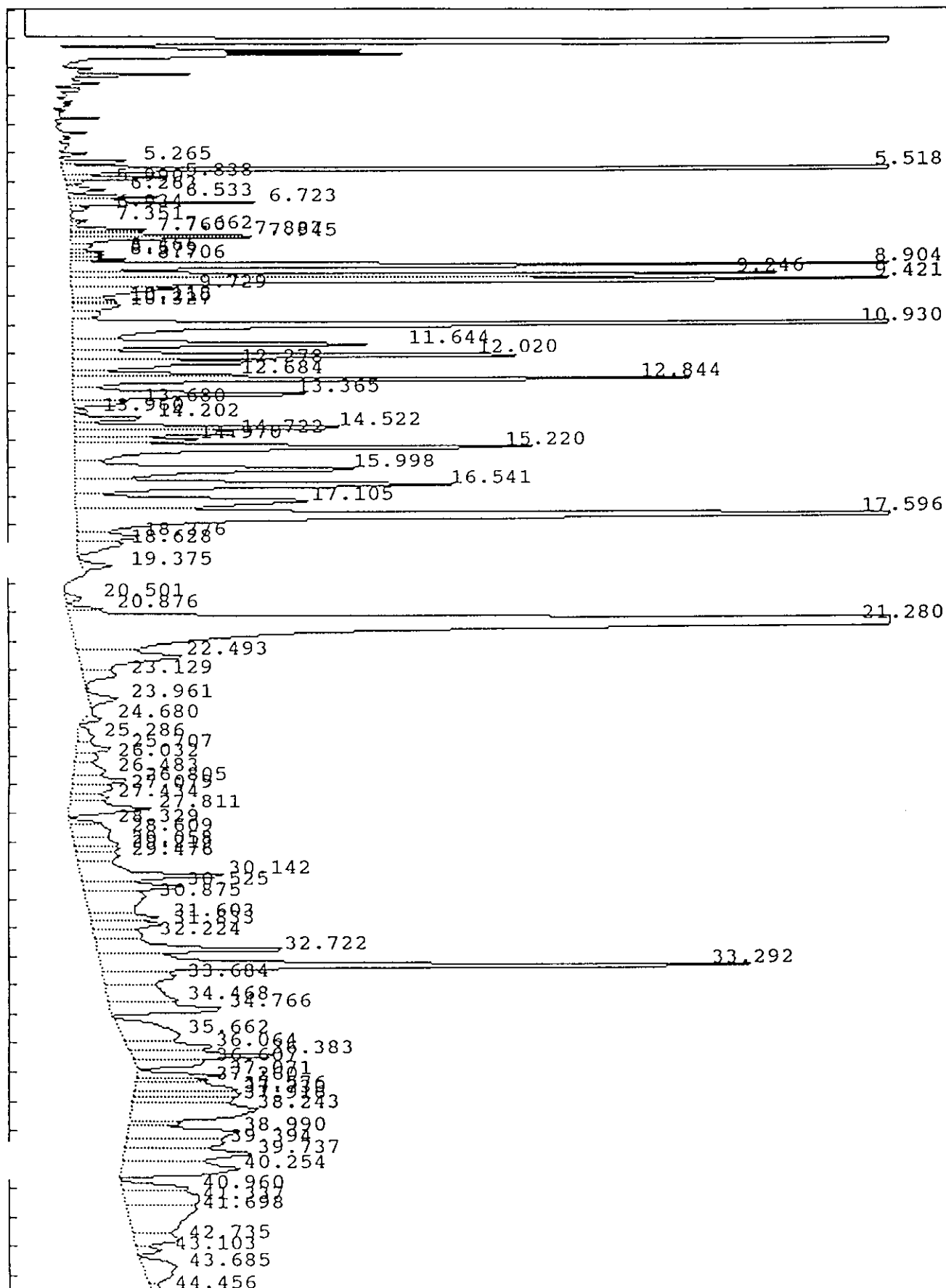
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	0.065	U
11104-28-2-----	Aroclor-1221	0.065	U
11141-16-5-----	Aroclor-1232	0.065	U
53469-21-9-----	Aroclor-1242	0.065	U
12672-29-6-----	Aroclor-1248	0.065	U
11097-69-1-----	Aroclor-1254	0.065	U
11096-82-5-----	Aroclor-1260	0.065	U

## IEA Pesticide Standard Report

Sample Name : 0148001 MHW-5  
 Result File : /DATA/LOOP/RESULT/B4116015.RES  
 Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0602 02Mar1993  
 INSTRUMENT: HP58904B  
 Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148001 MHW-5 Report No : 69.10  
 Result File : /DATA/LOOP/RESULT/B4116015.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0602 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 15 Bottle no. : 15

% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.26		.070142	51088	PV	0.0000	
2	5.52		.072123	1135110	VV	0.0000	
3	5.84		.084079	79635	VV	0.0000	
4	5.99		.101466	14235	VV	0.0000	
5	6.26		.123974	33593	VV	0.0000	
6	6.53		.123599	74783	VV	0.0000	
7	6.72		.089027	122802	VV	0.0000	
8	6.93		.079817	13162	VV	0.0000	
9	7.35		.072949	8764	BV	0.0000	
10	7.66		.083997	46568	VV	0.0000	
11	7.76		.076756	35341	VV	0.0000	
12	7.89		.085289	100606	VV	0.0000	
13	7.95		.105825	124381	VV	0.0000	
14	8.47		.096021	23638	VV	0.0000	
15	8.58		.089365	20715	VV	0.0000	
16	8.71		.086274	34390	VV	0.0000	
17	8.90		.094324	870091	VV	0.0000	
18	9.25		.104418	585037	VV	0.0000	
19	9.42		.104488	1142403	VV	0.0000	
20	9.73		.219543	153644	VV	0.0000	
21	10.12		.100867	28748	VV	0.0000	
22	10.21		.107862	31964	VV	0.0000	
23	10.33		.172788	55671	VV	0.0000	
24	10.93		.134968	1182025	VV	0.0000	
25	11.64		.166404	354925	VV	0.0000	
26	12.02		.145560	499869	VV	0.0000	
27	12.28	12.26	.189796	247310	VV	.1505	Heptachlor
28	12.68		.114601	121995	VV	0.0000	
29	12.84		.122844	573043	VV	0.0000	
30	13.36		.186599	312900	VV	0.0000	
31	13.68		.163990	56252	VV	0.0000	
32	13.96		.130924	12385	VV	0.0000	
33	14.20		.137860	69013	VV	0.0000	
34	14.52		.153352	296161	VV	0.0000	
35	14.72		.161448	181139	VV	0.0000	
36	14.97		.157049	133774	VV	0.0000	
37	15.22		.206943	637238	VV	0.0000	
38	16.00		.262344	486240	VV	0.0000	
39	16.54		.234204	569742	VV	0.0000	

03/11/93  
 JLM

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	17.11		.316072	470915	VV	0.0000	
41	17.60	17.67	.228511	1707958	VV	1.3604	<del>Heptachlor epoxide</del>
42	18.38		.237749	96715	VV	0.0000	
43	18.63		.297489	90075	VV	0.0000	
44	19.37		.188205	37893	PV	0.0000	
45	20.50	20.50	.188145	20362	BV	.0165	<del>gamma-Chlordane</del>
46	20.88		.167164	38814	PV	0.0000	
47	21.28		.311876	4326473	VV	0.0000	
48	22.49		.412959	280179	VV	0.0000	
49	23.13	23.16	.276943	60603	VB	.0551	<del>Dieldrin</del>
50	23.96		.289628	53763	BB	0.0000	
51	24.68	24.73	.161209	17531	BV	.0198	<del>Endrin</del>
52	25.29		.368377	38751	PV	0.0000	
53	25.71		.273958	62143	VV	0.0000	
54	26.03		.252586	38679	VV	0.0000	
55	26.48		.382273	76519	VV	0.0000	
56	26.80		.230192	83213	VV	0.0000	
57	27.08		.280170	73781	VV	0.0000	
58	27.43		.228562	56559	VV	0.0000	
59	27.81		.300999	159586	VB	0.0000	
60	28.33	28.26	.159545	33054	BV	.0407	<del>4,4'-DDD</del>
61	28.61		.384921	100506	VV	0.0000	
62	29.06		.275015	79988	VV	0.0000	
63	29.21	29.22	.208127	58338	VV	.0895	<del>4,4'-DDT</del>
64	29.48		.286429	77535	VV	0.0000	
65	30.14		.307187	304070	VV	0.0000	
66	30.53		.234158	155687	VV	0.0000	
67	30.87		.649147	246241	VV	0.0000	
68	31.60		.229531	101188	VV	0.0000	
69	31.83		.261192	121130	VV	0.0000	
70	32.22		.302296	94043	VV	0.0000	
71	32.72		.238136	317507	VV	0.0000	
72	33.29	#33.33	.195635	915040	VV	1.3539	Dibutyl Chlorendate
73	33.68		.414769	191826	VV	0.0000	
74	34.47		.481663	211058	VV	0.0000	
75	34.77		.308245	216403	VB	0.0000	
76	35.66		.595305	222883	BV	0.0000	
77	36.06		.286844	159268	VV	0.0000	
78	36.38		.212011	207988	VV	0.0000	
79	36.61		.232006	101333	VB	0.0000	
80	37.07		.166560	92204	BV	0.0000	
81	37.26		.146092	64986	VV	0.0000	
82	37.58		.267856	172134	VV	0.0000	
83	37.73		.210901	142591	VV	0.0000	
84	37.92		.143939	90570	VV	0.0000	
85	38.24		.520174	414622	VV	0.0000	
86	38.99		.375641	265641	VV	0.0000	
87	39.39		.253500	155590	VV	0.0000	
88	39.74		.353570	285711	VV	0.0000	
89	40.25		.434883	325118	VB	0.0000	
90	40.96		.244359	102273	BV	0.0000	
91	41.34		.473503	220581	VV	0.0000	
92	41.70		.770074	336485	VV	0.0000	
93	42.74		.339438	99482	VV	0.0000	
94	43.10		.202677	32391	VV	0.0000	

03/11/93  
JW

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
95	43.68		.652938	138147	PV	0.0000	
96	44.46		.423836	24930	VB	0.0000	

Total Area : 25189448 Total PPB : 3.086

Report Time : 2049 04Mar1993  
Method : /DATA/LOOP/METHOD/B4116\_015.MT  
Result File : /DATA/LOOP/RESULT/B4116015.RES

10  
PCB ORGANICS ANALYSIS DATA SHEET

803  
30A 9000 EQ

PCW-01

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SOS No.: Z9148

Matrix: (soil/water) WATER

Lab Sample ID: 0148002

Sample wt/vol: 1000. (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 02/09/93

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_

Date Extracted: 02/10/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 03/02/93

GPC Cleanup: (Y/N) N

pH: \_\_\_\_\_

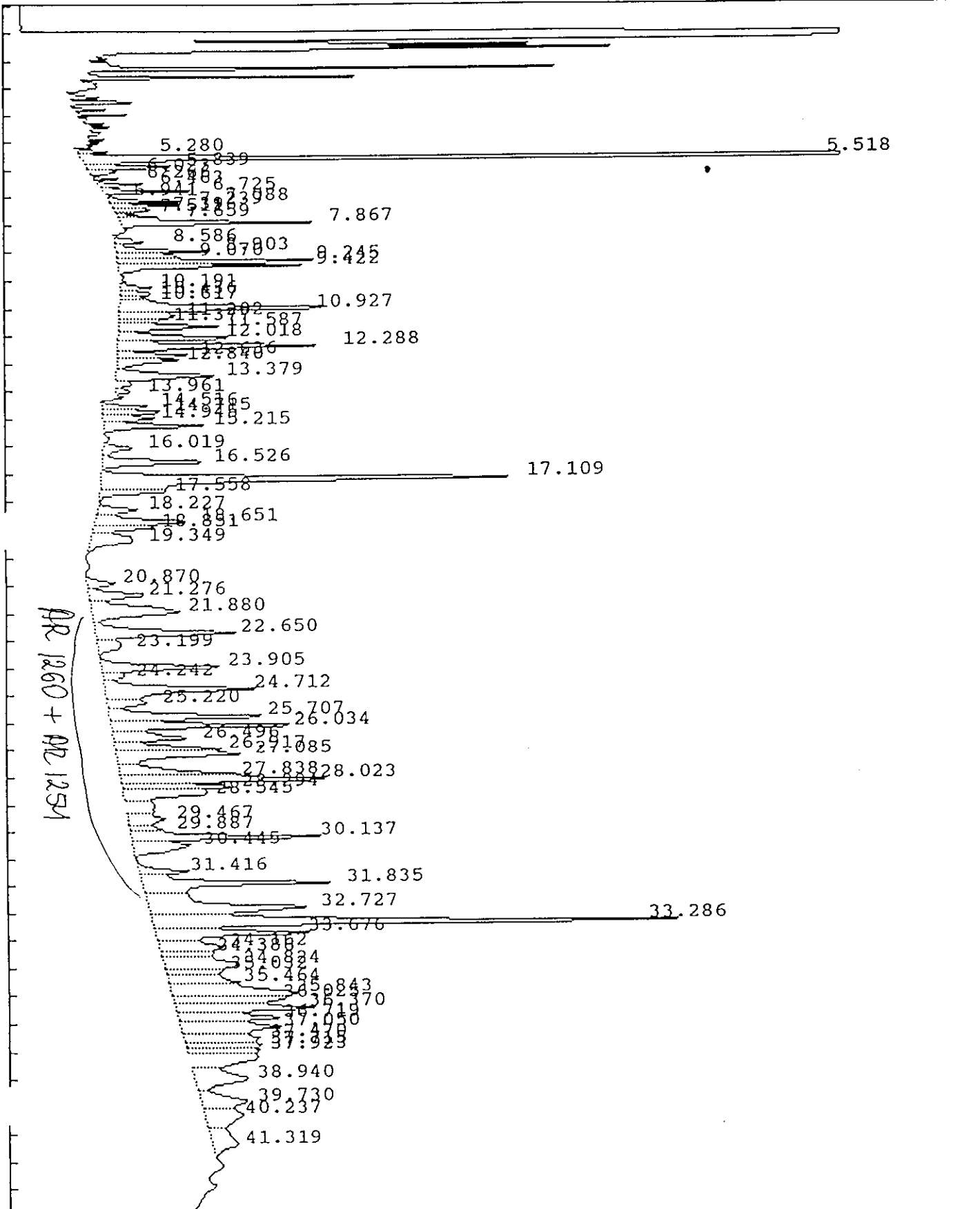
Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	U
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.32	
11096-82-5	Aroclor-1260	0.31	

IEA Pesticide Standard Report

Sample Name : 0148002 MHW-3  
Result File : /DATA/LOOP/RESULT/B4116016.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

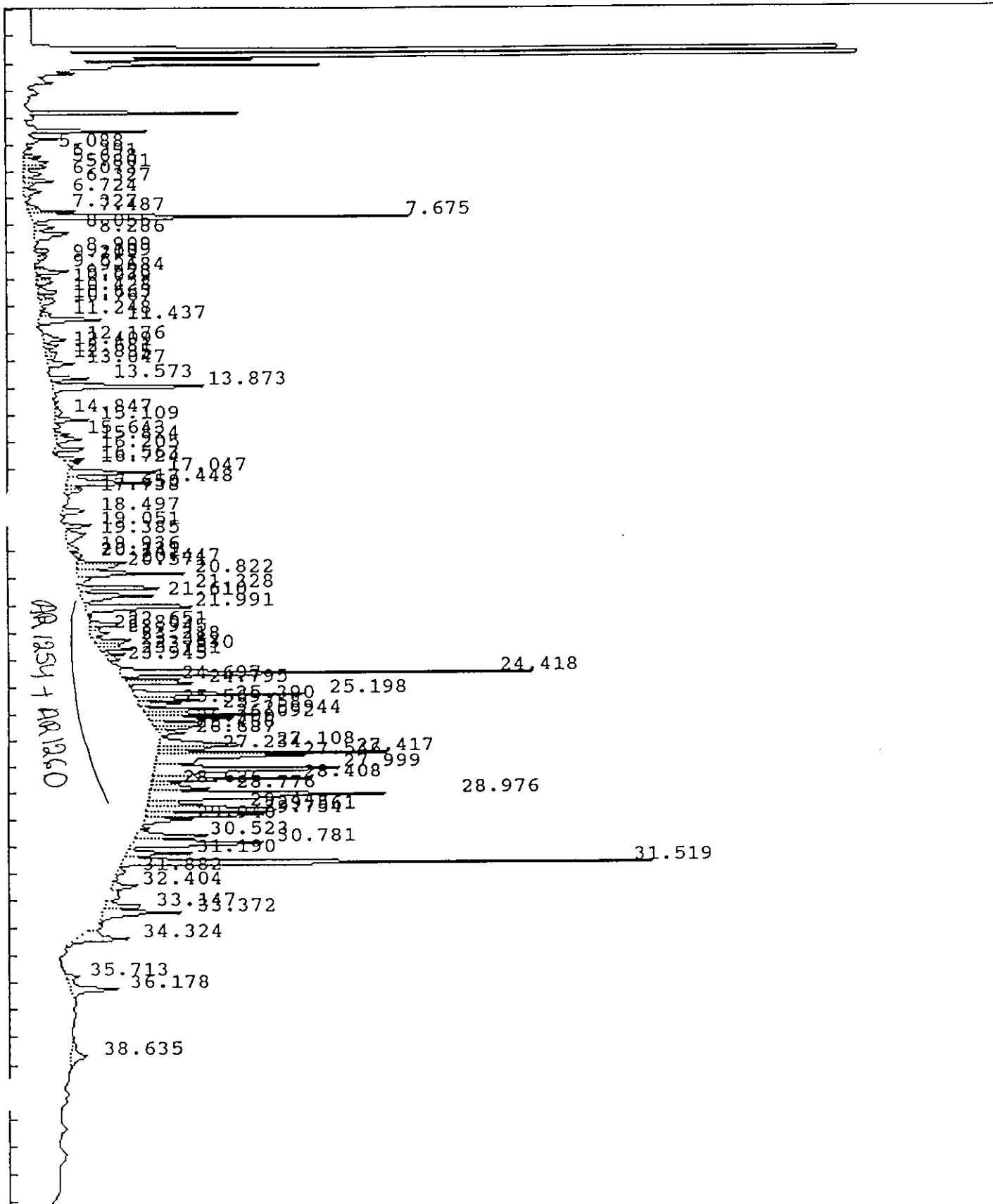
Inj on 0656 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul





IEA Pesticide Standard Report

Sample Name : 0148002 MHW-3 Inj on 0228 09Mar1993  
Result File : /HP58901B/B1227019.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148002 MHW-3 Report No : 70.10  
 Result File : /DATA/LOOP/RESULT/B4116016.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0656 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 16 Bottle no. : 16

% Dil-Fact  
100.00

Run Status : EndOffBaseline  
SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.28		.056126	20488	PV	0.0000	
2	5.52		.077192	1109608	VV	0.0000	
3	5.84		.104774	83046	VV	0.0000	
4	6.02		.112798	22971	VB	0.0000	
5	6.27		.076544	15515	BV	0.0000	
6	6.46		.099053	36166	PV	0.0000	
7	6.73		.090653	65119	VB	0.0000	
8	6.94		.056787	5668	BV	0.0000	
9	7.09		.068212	44448	VV	0.0000	
10	7.24		.097600	51752	VV	0.0000	
11	7.40		.114489	34053	VV	0.0000	
12	7.51		.062152	8575	VV	0.0000	
13	7.66		.077316	25557	VV	0.0000	
14	7.87		.129665	181425	VV	0.0000	
15	8.59		.146222	32081	BV	0.0000	
16	8.90		.123875	86144	VV	0.0000	
17	9.07		.144936	60764	VV	0.0000	
18	9.25		.113320	181103	VV	0.0000	
19	9.42		.115057	158665	VV	0.0000	
20	10.19		.131284	30076	VV	0.0000	
21	10.44		.175816	36779	VV	0.0000	
22	10.62		.104265	21166	VV	0.0000	
23	10.93		.172150	311898	VV	0.0000	
24	11.20		.192312	72719	VV	0.0000	
25	11.38		.124869	36990	VV	0.0000	
26	11.59		.176967	125487	VV	0.0000	
27	12.02		.163330	146197	VV	0.0000	
28	12.29	12.26	.158753	242321	VV	.1475	Heptachlor
29	12.64		.165374	79762	VV	0.0000	
30	12.84		.177130	79086	VV	0.0000	
31	13.38		.209811	151934	VV	0.0000	
32	13.96		.142169	16051	VV	0.0000	
33	14.52		.132602	46923	BV	0.0000	
34	14.71		.164228	70158	VV	0.0000	
35	14.95		.172192	60326	VV	0.0000	
36	15.22		.163231	115888	VB	0.0000	
37	16.02		.218880	44990	VV	0.0000	
38	16.53		.193370	138009	VV	0.0000	
39	17.11		.221157	652488	VV	0.0000	

## IEA Pesticide Standard Report

%#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	17.56		.182292	82113	VB	0.0000	
41	18.23		.224430	60102	BV	0.0000	
42	18.65		.222623	140399	VV	0.0000	
43	18.85		.180998	73400	VV	0.0000	
44	19.35		.388134	112649	VB	0.0000	
45	20.87		.225626	44424	PV	0.0000	
46	21.28		.251921	99248	VV	0.0000	
47	21.88		.392039	233591	VV	0.0000	
48	22.65	22.62	.251707	241459	VV	.2343	4,4'-DDE
49	23.20	23.16	.397850	64494	VV	.0586	Dieldrin
50	23.91		.235887	194498	VV	0.0000	
51	24.24		.206074	30495	VV	0.0000	
52	24.71	24.73	.289570	296138	VV	.3343	Endrin
53	25.22		.228176	62266	VV	0.0000	
54	25.71		.212628	232385	VV	0.0000	
55	26.03		.185881	251106	VV	0.0000	
56	26.50		.268177	136133	VV	0.0000	
57	26.92		.213966	152339	VV	0.0000	
58	27.08		.240131	203567	VV	0.0000	
59	27.84		.220982	180213	VV	0.0000	
60	28.02		.200572	296175	VV	0.0000	
61	28.29	28.26	.180970	136808	VV	.1683	4,4'-DDD
62	28.54		.286115	162004	VV	0.0000	
63	29.47		.309128	78268	VV	0.0000	
64	29.89		.188677	42748	VV	0.0000	
65	30.14		.182590	253430	VV	0.0000	
66	30.44		.339292	129647	VV	0.0000	
67	31.42		.214631	72866	PV	0.0000	
68	31.83		.235544	321784	VV	0.0000	
69	32.73		.388667	426711	VV	0.0000	
70	33.29	#33.33	.201383	771465	VV	1.1415	Dibutyl Chlorendate
71	33.68		.237630	262598	VV	0.0000	
72	34.16		.319870	137081	VV	0.0000	
73	34.39		.216485	77280	VV	0.0000	
74	34.82		.361368	180823	VV	0.0000	
75	35.03		.175320	69127	VV	0.0000	
76	35.46		.306397	147672	VV	0.0000	
77	35.84		.352001	297021	VV	0.0000	
78	36.02		.200735	152053	VV	0.0000	
79	36.37		.245434	236876	VV	0.0000	
80	36.72		.231576	164288	VV	0.0000	
81	37.05		.366807	253293	VV	0.0000	
82	37.47		.269384	138524	VV	0.0000	
83	37.71		.197993	102255	VV	0.0000	
84	37.92		.198574	100246	VV	0.0000	
85	38.94		.488321	177745	VV	0.0000	
86	39.73		.430686	139832	VV	0.0000	
87	40.24		.558323	148990	VV	0.0000	
88	41.32		.661501	116128	VV	0.0000	

Total Area : 13187154 Total PPB : 2.085

Report Time : 2115 04Mar1993  
Method : /DATA/LOOP/METHOD/B4116\_016.MT  
Result File : /DATA/LOOP/RESULT/B4116016.RES

## IEA Pesticide Standard Report

Sample Name : 0148002 MHW-3 Report No : 191.11  
 Result File : /HP58901B/B1227019.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0228 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 19 Bottle no. : 19

% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.09		.065549	19536	BV	0.0000	
2	5.39		.091542	65221	BV	0.0000	
3	5.64		.165138	145664	VV	0.0000	
4	5.80		.102648	81145	VV	0.0000	
5	6.07		.167021	103981	VV	0.0000	
6	6.33		.122280	133790	VV	0.0000	
7	6.72		.174844	105225	VV	0.0000	
8	7.33		.136990	48040	PV	0.0000	
9	7.49		.088169	163041	VV	0.0000	
10	7.67		.105490	1399044	VB	0.0000	
11	8.05		.152421	95601	BV	0.0000	
12	8.29		.188515	240195	VV	0.0000	
13	8.91		.111868	60629	PV	0.0000	
14	9.11		.097612	37912	VV	0.0000	
15	9.20		.085089	24524	VV	0.0000	
16	9.55		.071465	22294	BV	0.0000	
17	9.68		.114340	144399	VV	0.0000	
18	9.92		.091572	46113	PV	0.0000	
19	10.08		.146146	73897	VV	0.0000	
20	10.43		.150805	106448	PV	0.0000	
21	10.66		.092376	41977	VV	0.0000	
22	10.77		.168164	86197	VV	0.0000	
23	11.25		.124332	37877	BV	0.0000	
24	11.44		.138973	314994	VV	0.0000	
25	12.18		.164895	130460	BV	0.0000	
26	12.41		.099923	55178	VV	0.0000	
27	12.68		.142450	59497	VV	0.0000	
28	12.83		.131755	40098	VV	0.0000	
29	13.05		.136979	124277	VV	0.0000	
30	13.57		.111243	151505	BV	0.0000	
31	13.87		.142213	749629	VB	0.0000	
32	14.85		.182690	47397	VV	0.0000	
33	15.11		.105921	126044	VV	0.0000	
34	15.64		.112746	51612	PV	0.0000	
35	15.82		.132188	123887	VB	0.0000	
36	16.21		.109635	126757	BV	0.0000	
37	16.56		.116484	96213	PV	0.0000	
38	16.72		.106756	61007	VB	0.0000	
39	17.05		.125283	378038	BV	0.0000	

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak	Width	Area	Code	PPB	Name
10	17.45	17.29	.151974		429978	VV	.0992	<del>alpha-BHC</del>
41	17.65		.085610		39158	VV	0.0000	
42	17.74		.124540		73047	VB	0.0000	
43	18.50		.189942		125640	PV	0.0000	
44	19.05		.106671		111508	PB	0.0000	
45	19.38		.298448		188417	BV	0.0000	
46	19.94		.144862		59310	VV	0.0000	
47	20.14		.098101		40057	PV	0.0000	
48	20.24	20.24	.081641		23108	VB	.0093	<del>beta-BHC</del>
49	20.45		.108103		202195	BV	0.0000	
50	20.57		.142159		185753	VV	0.0000	
51	20.82		.108664		406470	VV	0.0000	
52	21.33		.098388		337436	PV	0.0000	
53	21.61		.139991		363856	VV	0.0000	
54	21.99	22.06	.126747		608757	VB	.1397	<del>delta-BHC</del>
55	22.65		.121827		144679	BV	0.0000	
56	22.80		.085121		32491	VV	0.0000	
57	22.95		.144084		93852	VV	0.0000	
58	23.22	23.26	.136101		176748	PV	.0439	<del>Aldrin</del>
59	23.38		.088052		88043	VV	0.0000	
60	23.53		.095234		129900	VV	0.0000	
61	23.75		.091232		69492	PV	0.0000	
62	23.95		.110752		47916	VV	0.0000	
63	24.42		.086447		1340992	BV	0.0000	
64	24.70		.068593		171086	PV	0.0000	
65	24.79		.076789		200001	VV	0.0000	
66	25.20		.105147		642591	BV	0.0000	
67	25.39	25.30	.080192		222410	VV	.0599	<del>Heptachlor epoxide</del>
68	25.57		.079548		158799	VV	0.0000	
69	25.76		.091893		270252	PV	0.0000	
70	25.94	25.94	.092027		390996	VV	.1135	<del>gamma-Chlordane</del>
71	26.09		.077907		291792	VV	0.0000	
72	26.30	26.42	.140564		290069	VV	.0858	<del>alpha-Chlordane</del>
73	26.47	26.46	.073453		89914	VV	.0266	<del>Endosulfan I</del>
74	26.69		.117688		116157	VB	0.0000	
75	27.11	27.10	.130512		466108	BV	.1507	<del>4,4'-DDE</del>
76	27.23		.074880		197451	VV	0.0000	
77	27.42	27.36	.075516		727407	VV	.2310	<del>Dieldrin</del>
78	27.55		.140741		801529	VV	0.0000	
79	28.00		.177201		1136248	VV	0.0000	
80	28.41	28.32	.090536		550490	VV	.2327	<del>Endrin</del>
81	28.63	28.61	.105927		115575	VV	.0551	<del>4,4'-DDD</del>
82	28.78	28.82	.093804		221712	VV	.0803	<del>Endosulfan II</del>
83	28.98		.145535		1502258	VV	0.0000	
84	29.44	29.50	.112828		335068	VV	.1470	<del>4,4'-DDT</del>
85	29.56		.082278		548573	VV	0.0000	
86	29.75	29.69	.091773		485805	VV	.2339	<del>Endrin aldehyde</del>
87	29.94		.112655		197231	VB	0.0000	
88	30.52		.163109		378909	PV	0.0000	
89	30.78		.168818		747577	VV	0.0000	
90	31.19		.115131		248835	VV	0.0000	
91	31.52	#31.51	.110788		2049490	VV	.9919	<del>Dibutyl Chlorendate</del>
92	31.88		.153877		48625	PV	0.0000	
93	32.40	32.31	.166393		144714	VV	.1301	<del>Methoxychlor</del>
94	33.15	32.97	.142085		187373	VV	.0671	<del>Endrin ketone</del>

03/14/93  
Blu

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
95	33.37		.156075	410657	VB	0.0000	
96	34.32		.208266	351357	VV	0.0000	
97	35.71		.146388	61496	BV	0.0000	
98	36.18		.208687	332011	VB	0.0000	
99	38.64		.401837	189571	BB	0.0000	

Total Area : 26518288 Total PPB : 2.898

Report Time : 1103 11Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /HP58901B/B1227019.RES

ID  
PCB ORGANIC ANALYSIS DATA SHEET

811  
30A SEVA & CO.

A-7

Lab Name: IEA Contract: \_\_\_\_\_

Lab Code: IEA Case No.: \_\_\_\_\_ CAS No.: \_\_\_\_\_ SDS No.: 20148

Matrix: (soil/water) WATER Lab Sample ID: 0148003

Sample wt/vol: 1000. (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: 02/09/93

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 02/10/93

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/02/93

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 5

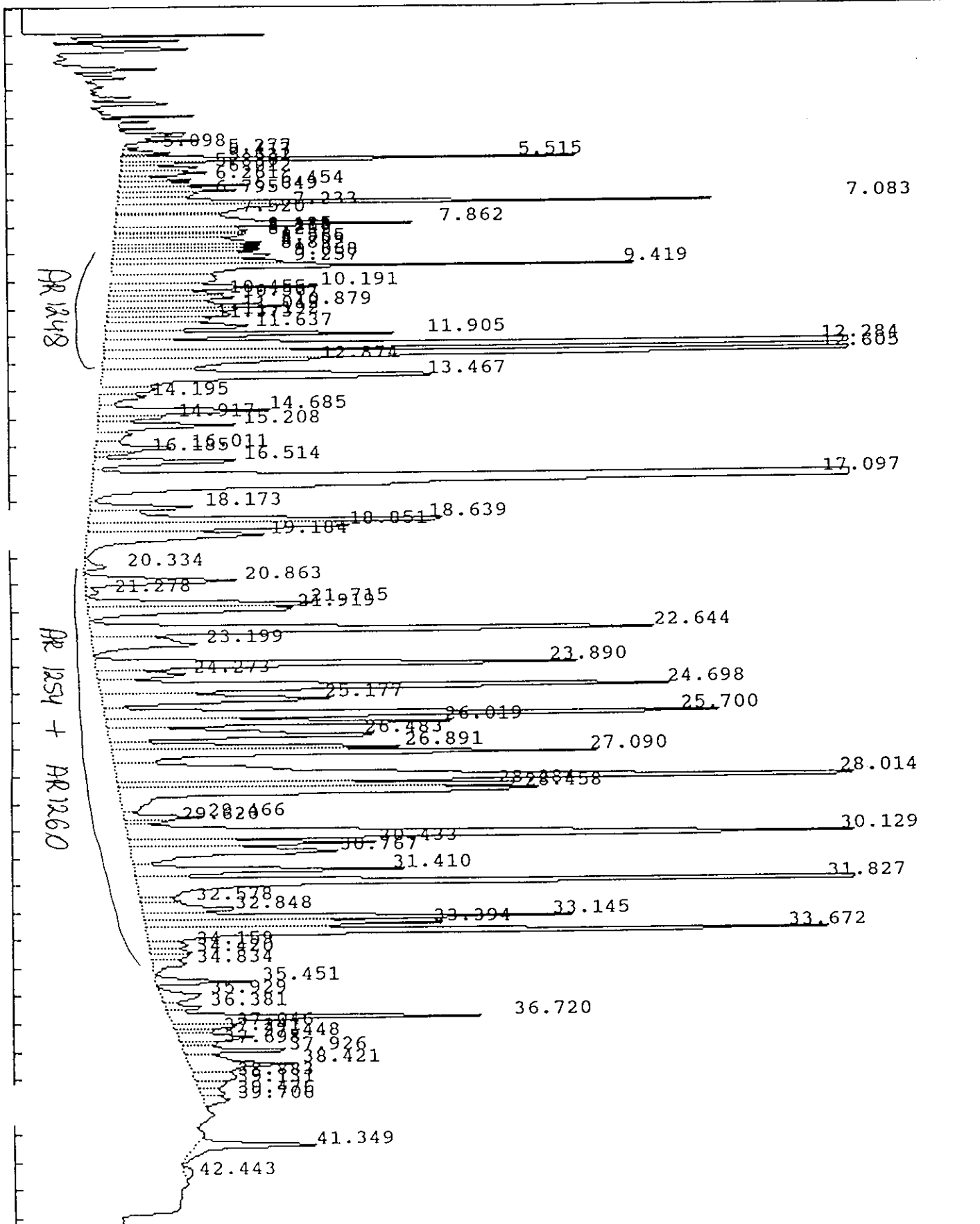
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	0
12674-11-2	Aroclor-1016	0.32	U
11104-28-2	Aroclor-1221	0.32	U
11141-16-5	Aroclor-1232	0.32	U
53469-21-9	Aroclor-1242	0.32	U
12672-29-6	Aroclor-1248	2.6	
11097-69-1	Aroclor-1254	5.9	
11096-82-5	Aroclor-1260	6.3	

IEA Pesticide Standard Report

812

Sample Name : 0148003 MHW-7 DF=5  
Result File : /DATA/LOOP/RESULT/B4116017.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

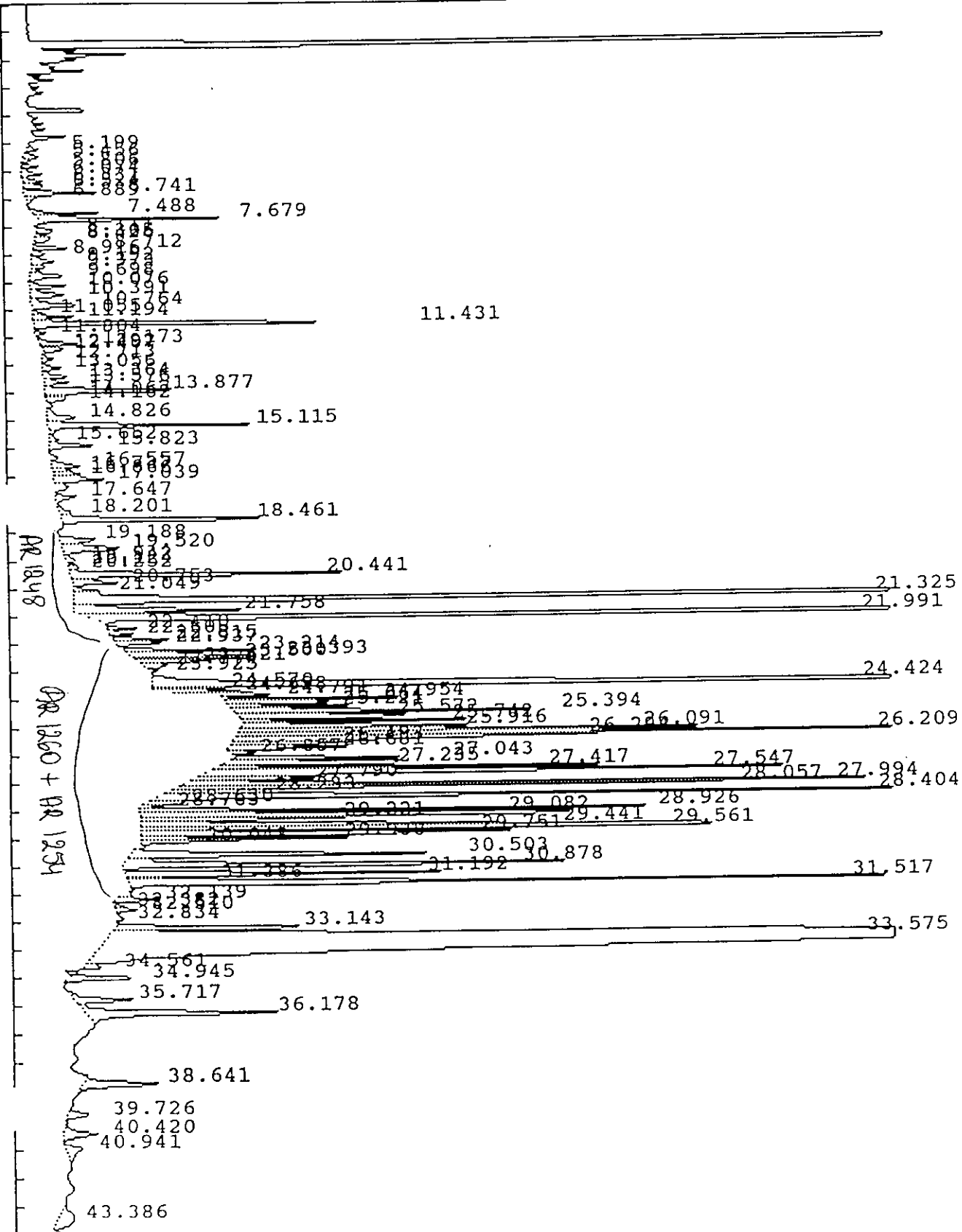
Inj on 0750 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul





IEA Pesticide Standard Report

Sample Name : 0148003 MHW-7 DF=5 Inj on 0322 09Mar1993  
Result File : /HP58901B/B1227020.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148003 MHW-7 DF=5 Report No : 71.00  
 Result File : /DATA/LOOP/RESULT/B4116017.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0750 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 17 Bottle no. : 17

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.10		.068262	8937	BV	0.0000	
2	5.28		.061921	34564	PV	0.0000	
3	5.42		.057657	36342	VV	0.0000	
4	5.52		.068537	308072	VV	0.0000	
5	5.63		.104681	64686	VV	0.0000	
6	5.83		.149913	87689	VV	0.0000	
7	6.01		.135581	83722	VV	0.0000	
8	6.26		.129561	64531	VV	0.0000	
9	6.45		.111922	113288	VV	0.0000	
10	6.65		.157905	129713	VV	0.0000	
11	6.80		.142035	74590	VV	0.0000	
12	7.08		.094610	511650	VV	0.0000	
13	7.23		.231671	252959	VV	0.0000	
14	7.52		.095158	67838	VV	0.0000	
15	7.86		.235432	495208	VV	0.0000	
16	8.12		.145731	129203	VV	0.0000	
17	8.22		.076865	67395	VV	0.0000	
18	8.29		.120889	107207	VV	0.0000	
19	8.56		.207548	217152	VV	0.0000	
20	8.71		.113580	115108	VV	0.0000	
21	8.83		.130269	133372	VV	0.0000	
22	9.07		.224415	240273	VV	0.0000	
23	9.26		.140724	173765	VV	0.0000	
24	9.42		.143072	566630	VV	0.0000	
25	10.19		.160683	241710	VV	0.0000	
26	10.46		.161338	125338	VV	0.0000	
27	10.57		.150486	129773	VV	0.0000	
28	10.88		.214522	267420	VV	0.0000	
29	11.04		.116740	106381	VV	0.0000	
30	11.19		.170971	149306	VV	0.0000	
31	11.37		.136362	103515	VV	0.0000	
32	11.64		.226679	232430	VV	0.0000	
33	11.90		.167403	368908	VV	0.0000	
34	12.28	12.34	.126379	1914218	VV	1.1350	Heptachlor
35	12.61		.151611	1402077	VV	0.0000	
36	12.87		.220866	311376	VV	0.0000	
37	13.47		.314867	695748	VV	0.0000	
38	14.19		.237025	75662	VV	0.0000	
39	14.68		.190573	225813	VV	0.0000	

03/11/93

## IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
10	14.92		.161217	73876	VV	0.0000	
41	15.21	15.22	.191272	183888	VV	.2692	beta-BHC
42	16.01		.204624	117032	VV	0.0000	
43	16.18		.121900	34611	VV	0.0000	
44	16.51		.189336	196343	VV	0.0000	
45	17.10		.214967	3348726	VV	0.0000	
46	18.17		.199052	142305	VV	0.0000	
47	18.64		.221919	563967	VV	0.0000	
48	18.85		.206292	367190	VV	0.0000	
49	19.18		.325483	390725	VV	0.0000	
50	20.33		.216201	33618	VV	0.0000	
51	20.86		.237727	246080	PV	0.0000	
52	21.28		.179231	16338	VV	0.0000	
53	21.71		.207733	325609	PV	0.0000	
54	21.92		.227427	321838	VV	0.0000	
55	22.64		.226450	879619	VV	0.0000	
56	23.20		.360040	261691	VV	0.0000	
57	23.89		.203486	672657	PV	0.0000	
58	24.27		.241842	147697	VV	0.0000	
59	24.70		.225005	889071	VV	0.0000	
60	25.18		.273837	425724	VV	0.0000	
61	25.70		.194145	839087	VV	0.0000	
62	26.02		.181183	436781	VV	0.0000	
63	26.48		.247002	482773	VV	0.0000	
64	26.89		.169565	337419	VV	0.0000	
65	27.09		.204383	679618	VV	0.0000	
66	28.01		.262565	1563827	VV	0.0000	
67	28.28	28.34	.156735	456348	VV	.5495	4,4-DDD
68	28.46		.269795	774244	VV	0.0000	
69	29.47		.157898	86883	VV	0.0000	
70	29.62		.127790	38973	VV	0.0000	
71	30.13		.242785	1300901	VV	0.0000	
72	30.43		.176135	300224	VV	0.0000	
73	30.77		.295720	411452	VV	0.0000	
74	31.41		.183304	345332	VV	0.0000	
75	31.83		.184781	1230279	VV	0.0000	
76	32.58	32.61	.160765	44223	VV	.0590	Endosulfan sulfate
77	32.85		.232949	155188	VV	0.0000	
78	33.15	33.06	.167926	501481	VV	1.2389	Methoxychlor
79	33.39	#33.44	.160394	327662	VV	.4377	Dibutyl Chlorendate
80	33.67		.188288	914201	VV	0.0000	
81	34.16		.227255	61320	VV	0.0000	
82	34.42		.178065	50038	VV	0.0000	
83	34.83		.252317	61425	VV	0.0000	
84	35.45		.139244	94083	VV	0.0000	
85	35.93		.298768	87510	PV	0.0000	
86	36.38		.171446	45400	VV	0.0000	
87	36.72		.166026	387917	VV	0.0000	
88	37.05		.174361	74630	VV	0.0000	
89	37.24		.107221	27970	VV	0.0000	
90	37.45		.234988	121082	VV	0.0000	
91	37.70		.135246	33512	VV	0.0000	
92	37.93		.145304	122136	VV	0.0000	
93	38.42		.320541	243667	VV	0.0000	
94	38.88		.279526	81943	VV	0.0000	

03/11/93  
Blh

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
95	39.13		.221901	45844	VV	0.0000	
96	39.48		.204342	35687	VV	0.0000	
97	39.71		.238163	44387	VB	0.0000	
98	41.35		.224991	185931	BV	0.0000	
99	42.44		.462280	23214	PV	0.0000	
100	44.74		.331624	33228	PB	0.0000	

Total Area : 33160000 Total PPB : 3.689

Report Time : 0836 02Mar1993  
Method : /DATA/LOOP/METHOD/B4116.MTH  
Result File : /DATA/LOOP/RESULT/B4116017.RES

## IEA Pesticide Standard Report

Sample Name : 0148003 MHW-7 DF=5 Report No :192.11  
 Result File : /HP58901B/B1227020.RES  
 Column Type : RTX-35 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0322 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 20 Bottle no. : 20

% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.20		.076961	34821	VB	0.0000	
2	5.46		.126064	59162	BV	0.0000	
3	5.81		.096768	55231	PV	0.0000	
4	6.07		.132705	87614	VV	0.0000	
5	6.33		.116883	79748	VV	0.0000	
6	6.52		.127778	88205	VV	0.0000	
7	6.74		.112612	262985	VV	0.0000	
8	6.89		.093918	42633	VV	0.0000	
9	7.49		.082982	216724	PV	0.0000	
10	7.68		.096807	602505	PB	0.0000	
11	8.11		.093477	50422	BV	0.0000	
12	8.30		.095565	48186	PV	0.0000	
13	8.43		.129637	61110	VV	0.0000	
14	8.71		.087675	117453	VV	0.0000	
15	8.92		.108714	45924	PV	0.0000	
16	9.19		.148488	113930	VV	0.0000	
17	9.37		.103092	56495	VV	0.0000	
18	9.70		.155724	176386	VV	0.0000	
19	10.08		.115294	138740	PV	0.0000	
20	10.39		.182603	191824	VV	0.0000	
21	10.76		.150648	253236	VB	0.0000	
22	11.05		.090949	25667	BV	0.0000	
23	11.19		.099844	136928	VV	0.0000	
24	11.43		.100446	1193801	VV	0.0000	
25	11.80		.121223	42919	PV	0.0000	
26	12.17		.125161	170288	PV	0.0000	
27	12.29		.081901	49690	VV	0.0000	
28	12.41		.095491	68235	VV	0.0000	
29	12.71		.130143	50690	BV	0.0000	
30	13.06		.122284	74061	VV	0.0000	
31	13.36		.129505	106869	VV	0.0000	
32	13.58		.112920	93550	VV	0.0000	
33	13.88		.144668	618892	VV	0.0000	
34	14.07		.092517	60975	VV	0.0000	
35	14.16		.136483	84619	VV	0.0000	
36	14.83		.198239	181610	VV	0.0000	
37	15.11		.109720	726231	VV	0.0000	
38	15.65		.158865	48911	VV	0.0000	
39	15.82		.119960	180757	VB	0.0000	

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	16.56		.154004	142006	VV	0.0000	
41	16.74		.102642	71178	VV	0.0000	
42	16.87		.110906	107750	VV	0.0000	
43	17.04		.151699	237929	VV	0.0000	
44	17.65		.146068	101170	VV	0.0000	
45	18.20		.164638	69584	PV	0.0000	
46	18.46		.109674	829379	VV	0.0000	
47	19.19		.166456	207294	BV	0.0000	
48	19.52	19.71	.220186	393574	VV	.0847	<del>gamma-BHC (Lindane)</del>
49	19.94		.132883	49231	VV	0.0000	
50	20.12		.097443	32402	PV	0.0000	
51	20.25	20.24	.091957	33282	VV	.0134	<del>beta-BHC</del>
52	20.44		.112117	1055031	VV	0.0000	
53	20.75		.144048	213073	VB	0.0000	
54	21.05		.110056	96899	BV	0.0000	
55	21.32		.108174	4775505	VV	0.0000	
56	21.76	21.83	.148466	788842	VV	.1788	<del>Heptachlor</del>
57	21.99	22.06	.108275	6287629	GS	1.4426	<del>delta-BHC</del>
58	22.41		.081229	87940	BV	0.0000	
59	22.61		.080801	71884	VV	0.0000	
60	22.81		.098861	184692	PV	0.0000	
61	22.94		.102404	171520	VV	0.0000	
62	23.21	23.26	.091924	427713	PV	.1062	<del>Aldrin</del>
63	23.39		.084574	386373	VV	0.0000	
64	23.50		.086750	387932	VV	0.0000	
65	23.62		.084515	154474	VV	0.0000	
66	23.77		.089766	89635	VV	0.0000	
67	23.92		.076109	30284	VV	0.0000	
68	24.42		.106326	5956688	GS	0.0000	
69	24.57		.083932	184304	HS	0.0000	
70	24.70		.074349	242029	HS	0.0000	
71	24.79		.091430	315857	HS	0.0000	
72	24.95		.069205	486883	BV	0.0000	
73	25.06		.091281	326892	VV	0.0000	
74	25.22	25.30	.081104	375631	VV	.1011	<del>Heptachlor epoxide</del>
75	25.39		.096589	1046876	VV	0.0000	
76	25.57		.070988	624157	VV	0.0000	
77	25.74		.071650	593151	VB	0.0000	
78	25.92	25.94	.146964	1015890	BV	.2949	<del>gamma-Chlordane</del>
79	26.09		.083809	1516334	VV	0.0000	
80	26.21		.078313	2130662	VV	0.0000	
81	26.29	26.42	.107151	1140811	VV	.3375	<del>alpha-Chlordane</del>
82	26.49	26.46	.089040	425367	VV	.1260	<del>Endosulfan I</del>
83	26.68		.112881	474693	VV	0.0000	
84	26.86		.065628	76625	VV	0.0000	
85	27.04	27.10	.087613	612010	BV	.1978	<del>4,4'-DDE</del>
86	27.24		.073959	721997	VV	0.0000	
87	27.42	27.36	.066434	1090679	VV	.3463	<del>Dieldrin</del>
88	27.55		.096788	2194033	VV	0.0000	
89	27.79		.124453	464684	VV	0.0000	
90	27.99		.070767	1720289	VV	0.0000	
91	28.06		.076377	1430403	VV	0.0000	
92	28.23	28.32	.073156	339468	VV	.1435	<del>Endrin</del>
93	28.40		.093177	2679658	VV	0.0000	
94	28.63	28.61	.129544	146494	VV	.0698	<del>4,4'-DDD</del>

01/11/93  
JH

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
95	28.76	28.82	.039070	31376	VB	.0114	<del>Endosulfan II</del>
96	28.93		.071977	1382163	BV	0.0000	
97	29.08		.107062	1913142	VV	0.0000	
98	29.22		.069508	416080	VV	0.0000	
99	29.44	29.50	.097911	1332555	VV	.5845	<del>4,4'-DDT</del>
100	29.56		.080372	2379231	VV	0.0000	
101	29.75	29.69	.084279	1349386	VV	.6497	<del>Endrin aldehyde</del>
102	29.94		.087098	660220	VV	0.0000	
103	30.05	30.23	.071363	119616	VV	.0754	<del>Endosulfan sulfite</del>
104	30.50		.124860	1314925	BV	0.0000	
105	30.88		.104628	1783141	VV	0.0000	
106	31.19		.107043	1127795	PV	0.0000	
107	31.39		.071102	203140	VV	0.0000	
108	31.52	#31.51	.101993	2627263	VB	1.2716	Dibutyl Chlorendate
109	32.14		.100309	147802	VV	0.0000	
110	32.38	32.31	.099415	34144	PV	.0307	<del>Methoxychlor</del>
111	32.51		.100634	78462	VV	0.0000	
112	32.83	32.97	.055187	3721	PB	.0013	<del>Endrin ketone</del>
113	33.14		.118258	815938	BV	0.0000	
114	33.58		.498352	19763436	VV	0.0000	03/11/93 Jlu
115	34.56		.096543	54550	VB	0.0000	
116	34.94		.099038	218994	BV	0.0000	
117	35.72		.163395	311835	BV	0.0000	
118	36.18		.175595	1084528	VB	0.0000	
119	38.64		.184642	430612	BB	0.0000	
120	39.73		.177407	115130	BV	0.0000	
121	40.42		.224613	224372	PV	0.0000	
122	40.94		.318080	175341	PB	0.0000	
123	43.39		.552808	261157	BV	0.0000	
124	44.73		.603222	93133	PV	0.0000	
125	45.34		.438542	39757	VV	0.0000	
126	45.77		.189025	29722	VV	0.0000	
127	46.26		.198256	4499797	PB	0.0000	

Total Area : 97537280 Total PPB : 6.067

Report Time : 1108 11Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /HP58901B/B1227020.RES

107  
 VOC ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KHW-6      820

Lab Name: IFA

Contract: \_\_\_\_\_

Lab Code: -4

Date No.: \_\_\_\_\_

SAB No.: \_\_\_\_\_

SDB No.: 70148

Matrix: (soil/water) WATER

Lab Sample ID: 0148004

Sample wt/vol: 975. (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 02/09/93

% Moisture: not rec. \_\_\_\_\_ sec. \_\_\_\_\_

Date Extracted: 02/10/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 03/02/93

BPC Cleanup: (Y/N) N      pH: \_\_\_\_\_

Dilution Factor: 1

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/L      0

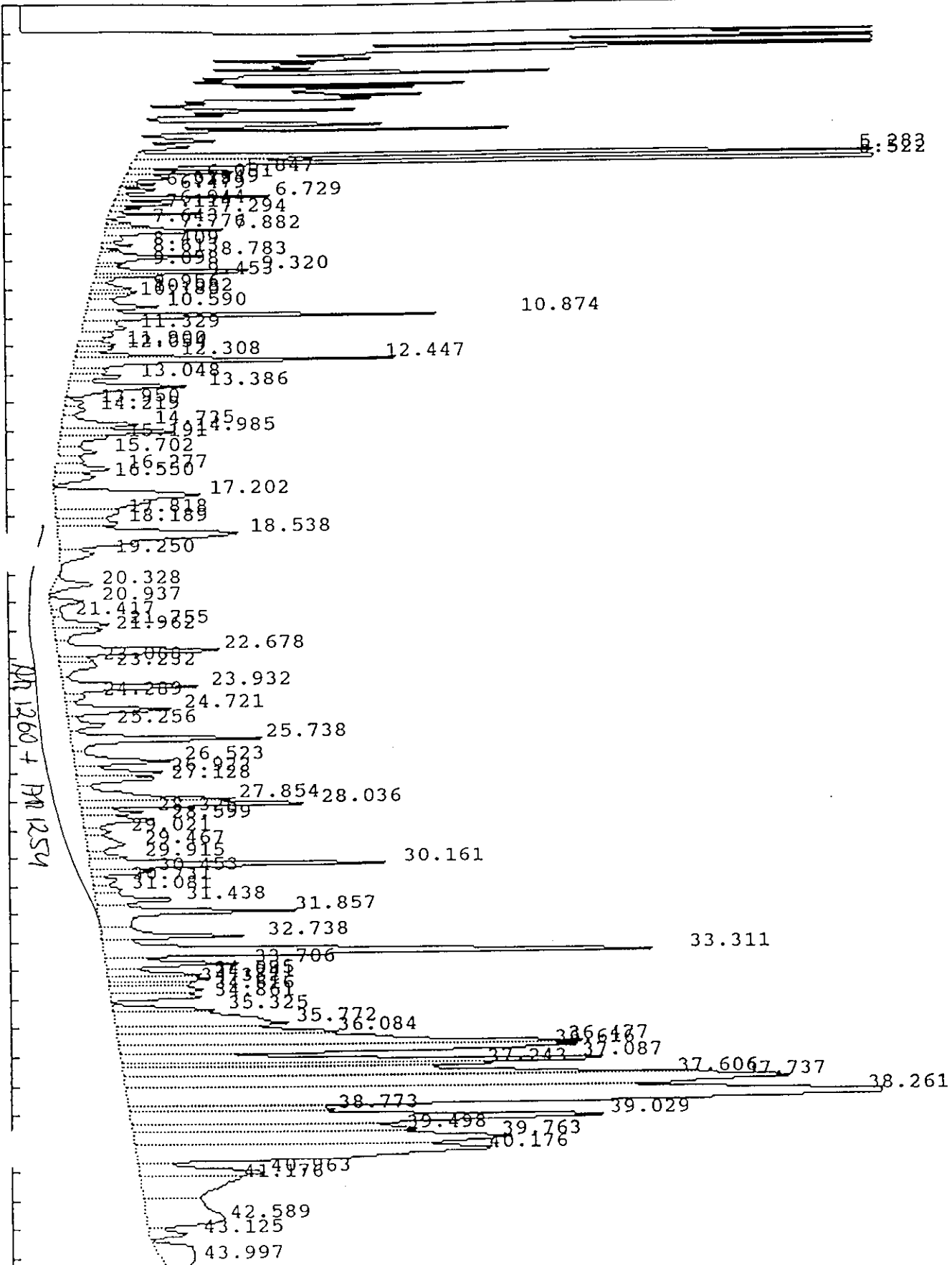
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	0
12674-11-2	Aroclor-1016	0.067	U
11104-28-2	Aroclor-1221	0.067	U
11141-16-5	Aroclor-1232	0.067	U
53469-21-9	Aroclor-1242	0.067	U
12672-29-6	Aroclor-1248	0.067	U
11097-69-1	Aroclor-1254	0.48	
11096-82-5	Aroclor-1260	0.33	



IEA Pesticide Standard Report

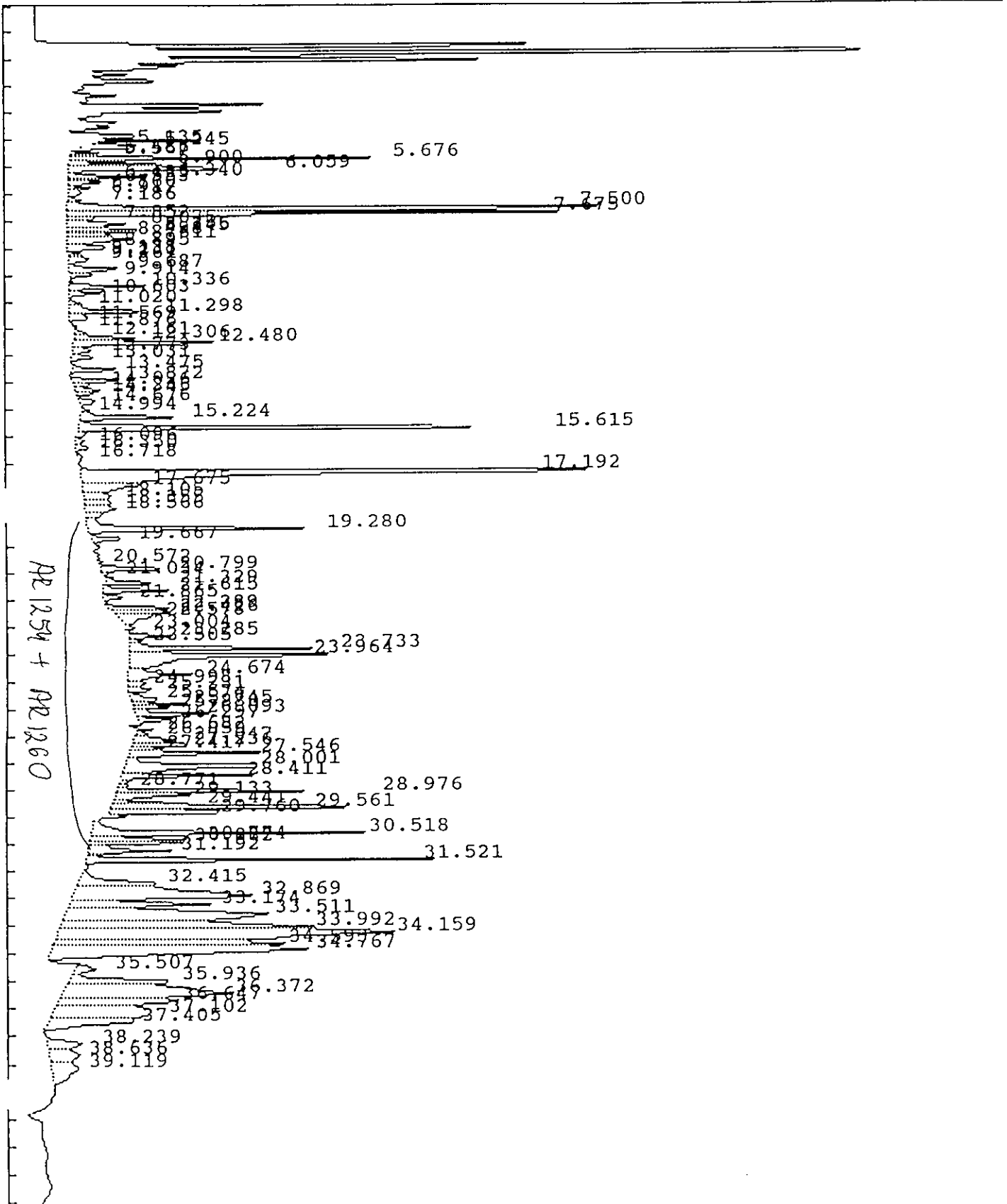
Sample Name : 0148004 MHW-6  
Result File : /DATA/LOOP/RESULT/B4116018.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0844 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0148004 MHW-6 Inj on 0416 09Mar1993  
Result File : /HP58901B/B1227021.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148004 MHW-6 Report No : 72.00  
 Result File : /DATA/LOOP/RESULT/B4116018.RES Inj. Vol. : 1 ul  
 Column Type : DB-1701 30 Meter, 0.53mm ID  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0844 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 18 Bottle no. : 18

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline  
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.28		.065475	831552	PV	0.0000	
2	5.52		.073605	1297302	VV	0.0000	
3	5.85		.094340	96299	VV	0.0000	
4	6.05		.125176	43269	VV	0.0000	
5	6.25		.069760	19405	VV	0.0000	
6	6.34		.059402	9131	VV	0.0000	
7	6.48		.097487	31461	PV	0.0000	
8	6.73		.078097	100283	VV	0.0000	
9	6.94		.091656	45609	VV	0.0000	
10	7.11		.093613	19759	VV	0.0000	
11	7.29		.069851	52315	VV	0.0000	
12	7.64		.134437	22339	PV	0.0000	
13	7.78		.074378	29668	VV	0.0000	
14	7.88		.134188	110150	VV	0.0000	
15	8.41		.109794	27174	VV	0.0000	
16	8.61		.093082	17385	VV	0.0000	
17	8.78		.160139	116936	VV	0.0000	
18	9.10		.125525	20634	VV	0.0000	
19	9.32		.096666	145428	VV	0.0000	
20	9.45		.100752	56624	VV	0.0000	
21	9.96		.211924	55117	VV	0.0000	
22	10.08		.112742	36322	VV	0.0000	
23	10.18		.150520	37554	VV	0.0000	
24	10.59		.206858	99433	VV	0.0000	
25	10.87		.113042	330731	VV	0.0000	
26	11.33		.286742	83769	VV	0.0000	
27	11.90		.142452	35860	VV	0.0000	
28	12.05		.164892	39537	VV	0.0000	
29	12.31	12.34	.104020	68663	VV	.0407	Heptachlor
30	12.45		.158452	352673	VV	0.0000	
31	13.05		.142506	57112	VV	0.0000	
32	13.39		.241493	197465	VV	0.0000	
33	13.95		.206773	24145	PV	0.0000	
34	14.22		.251973	36580	VV	0.0000	
35	14.73		.217359	110829	VV	0.0000	
36	14.98		.183296	146518	VV	0.0000	
37	15.19	15.22	.250530	76585	VV	.1121	beta-BHC
38	15.70		.217130	56009	VV	0.0000	

03/12/93  
BM

## IEA Pesticide Standard Report

pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
39	16.28		.208001	76087	VV	0.0000	
40	16.55		.276294	73018	VV	0.0000	
41	17.20		.501276	470221	PV	0.0000	
42	17.82	17.83	.274824	110413	VV	.0843	<del>Heptachlor epoxide</del>
43	18.19		.237875	96268	VV	0.0000	
44	18.54		.432303	501006	VV	0.0000	
45	19.25		.318009	71124	VB	0.0000	
46	20.33		.275068	67605	BV	0.0000	
47	20.94		.245217	54109	PV	0.0000	
48	21.42		.275814	19833	VV	0.0000	
49	21.75		.220319	80282	VV	0.0000	
50	21.96		.275964	84494	VV	0.0000	
51	22.68		.240291	261341	VV	0.0000	
52	23.07		.178025	40297	VV	0.0000	
53	23.23	23.33	.281573	68851	VV	.0594	Dieldrin
54	23.93		.219865	198458	VV	0.0000	
55	24.29		.221256	30721	VV	0.0000	
56	24.72		.215992	150961	VV	0.0000	
57	25.26		.232209	59475	VV	0.0000	
58	25.74		.213289	270387	VV	0.0000	
59	26.52		.225914	148185	VV	0.0000	
60	26.92		.192956	112807	VV	0.0000	
61	27.13		.215800	117542	VV	0.0000	
62	27.85		.215243	211690	VV	0.0000	
63	28.04		.178654	279152	VV	0.0000	
64	28.33	28.34	.173301	71175	VV	.0857	4,4'-DDD
65	28.60		.222695	111432	VV	0.0000	
66	29.02		.187329	32833	VV	0.0000	
67	29.47		.405911	102708	VV	0.0000	
68	29.92		.163909	40755	VV	0.0000	
69	30.16		.176981	364410	VV	0.0000	
70	30.45		.163010	68066	VV	0.0000	
71	30.73		.230470	39620	VV	0.0000	
72	31.08		.257940	48490	VV	0.0000	
73	31.44		.219169	118804	VV	0.0000	
74	31.86		.247460	328027	VV	0.0000	
75	32.74		.203629	203318	VV	0.0000	
76	33.31		.221481	863128	VV	0.0000	
77	33.71		.193339	174995	VV	0.0000	
78	34.10		.179997	110210	VV	0.0000	
79	34.24		.162863	107752	VV	0.0000	
80	34.38		.140673	76105	VV	0.0000	
81	34.62	34.62	.248810	149213	VV	.1462	Endrin ketone
82	34.86		.176061	105186	VV	0.0000	
83	35.32		.181255	119956	PV	0.0000	
84	35.77		.399506	447804	VV	0.0000	
85	36.08		.217498	309735	VV	0.0000	
86	36.48		.292725	876391	VV	0.0000	
87	36.62		.229710	681830	VV	0.0000	
88	37.09		.190123	656342	VV	0.0000	
89	37.24		.140405	337987	VV	0.0000	
90	37.61		.224914	870541	VV	0.0000	
91	37.74		.322059	1401937	VV	0.0000	
92	38.26		.481765	2566412	VV	0.0000	
93	38.77		.137845	188512	VV	0.0000	

DBU. 03/11/93  
BM

IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
94	39.03		.326405	1023177	VV	0.0000	
95	39.50		.237584	433159	VV	0.0000	
96	39.76		.380925	920557	VV	0.0000	
97	40.18		.442620	1024616	VV	0.0000	
98	40.96		.304576	248801	VV	0.0000	
99	41.18		.571427	367150	VV	0.0000	
100	42.59		.847948	423513	VV	0.0000	
101	43.12		.215020	55446	VV	0.0000	
102	44.00		1.051689	227607	PB	0.0000	

Total Area : 24889656 Total PPB : .528

Report Time : 0930 02Mar1993  
Method : /DATA/LOOP/METHOD/B4116.MTH  
Result File : /DATA/LOOP/RESULT/B4116018.RES

## IEA Pesticide Standard Report

Sample Name : 0148004 MHW-6 Report No : 193.11  
 Result File : /HP58901B/B1227021.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0416 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 21 Bottle no. : 21

% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.14		.018445	10426	BV	0.0000	
2	5.24		.153861	242294	VV	0.0000	
3	5.49		.064439	68236	PV	0.0000	
4	5.57		.053873	52037	VV	0.0000	
5	5.68		.080202	914307	VV	0.0000	
6	5.90		.077698	318675	VV	0.0000	
7	6.06		.115076	724065	VV	0.0000	
8	6.34		.091766	273031	PV	0.0000	
9	6.43		.067993	67344	VV	0.0000	
10	6.55		.093003	116373	VV	0.0000	
11	6.76		.087730	78190	VV	0.0000	
12	6.92		.154509	80351	VV	0.0000	
13	7.19		.093260	43813	VV	0.0000	
14	7.50		.086805	2248372	VV	0.0000	
15	7.67		.104234	1795498	VV	0.0000	
16	7.85		.092695	88185	VV	0.0000	
17	8.07		.158749	307792	VV	0.0000	
18	8.26		.096119	223011	VV	0.0000	
19	8.34		.095601	217908	VV	0.0000	
20	8.50		.088798	155700	VV	0.0000	
21	8.61		.135088	318846	VV	0.0000	
22	8.89		.171563	212399	VV	0.0000	
23	9.14		.075762	28536	PV	0.0000	
24	9.23		.085426	39753	VV	0.0000	
25	9.36		.158671	110847	VV	0.0000	
26	9.69		.150680	271446	VV	0.0000	
27	9.91		.114529	90356	VV	0.0000	
28	10.34		.114193	305506	BV	0.0000	
29	10.60		.111182	131190	VV	0.0000	
30	11.02		.143765	58081	PV	0.0000	
31	11.30		.137722	385684	VV	0.0000	
32	11.57		.192493	112822	VV	0.0000	
33	11.88		.088109	15270	PV	0.0000	
34	12.16		.125645	59609	BV	0.0000	
35	12.31		.104214	233113	VV	0.0000	
36	12.48		.122057	646645	VV	0.0000	
37	12.77		.155636	99303	VV	0.0000	
38	13.03		.150436	115921	VV	0.0000	
39	13.48		.105486	180500	BV	0.0000	

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
10	13.87		.114843	207901	PV	0.0000	
41	14.03		.109613	66472	VV	0.0000	
42	14.24		.129208	110388	VV	0.0000	
43	14.34		.100109	59706	VV	0.0000	
44	14.68		.196697	100222	PV	0.0000	
45	14.99		.109457	31159	BV	0.0000	
46	15.22		.119643	408021	VV	0.0000	
47	15.61		.122468	1900879	VV	0.0000	
48	16.10		.128392	39663	PV	0.0000	
49	16.35		.138824	68530	VV	0.0000	
50	16.72		.179594	21139	PV	0.0000	
51	17.19	17.29	.159133	3353794	BV	.7739	<del>alpha-BHC</del>
52	17.67		.248652	486241	VV	0.0000	
53	18.10		.254056	221526	VV	0.0000	
54	18.35		.171091	149216	VV	0.0000	
55	18.57		.210412	215751	VV	0.0000	
56	19.28		.137874	1079627	VV	0.0000	
57	19.67	19.71	.145497	163870	BV	.0352	<del>gamma-BHC (Lindane)</del>
58	20.57		.097546	16777	VV	0.0000	
59	20.80		.134042	313477	VV	0.0000	
60	21.03		.089246	17484	VV	0.0000	
61	21.33		.083886	170816	BV	0.0000	
62	21.62		.118063	277975	PV	0.0000	
63	21.87	21.83	.128068	84160	VV	.0191	<del>Heptachlor</del>
64	22.29		.160988	318227	PV	0.0000	
65	22.43		.122836	244179	VV	0.0000	
66	22.58		.188684	246922	VV	0.0000	
67	23.00		.090441	17792	VB	0.0000	
68	23.29	23.26	.104517	156053	BV	.0387	<del>Aldrin</del>
69	23.50		.080354	45298	VV	0.0000	
70	23.73		.101684	708183	VV	0.0000	
71	23.96		.191525	1386727	VV	0.0000	
72	24.67		.161370	374972	VV	0.0000	
73	25.00		.170428	112647	VV	0.0000	
74	25.23	25.30	.122125	103404	VV	.0278	<del>Heptachlor epoxide</del>
75	25.57		.137052	168958	PV	0.0000	
76	25.75		.085229	178362	VV	0.0000	
77	25.88	25.94	.087399	112861	VV	.0328	<del>gamma-Chlordane</del>
78	26.09		.088168	293065	VV	0.0000	
79	26.30	26.42	.086159	147249	VB	.0436	<del>alpha-Chlordane</del>
80	26.68		.026765	15667	BV	0.0000	
81	26.86		.101548	42232	VV	0.0000	
82	27.05	27.10	.147071	219881	VV	.0711	<del>4,4'-DDE</del>
83	27.24		.097920	255448	VV	0.0000	
84	27.42	27.36	.085352	103208	VV	.0328	<del>Dieldrin</del>
85	27.55		.105169	542538	VV	0.0000	
86	28.00		.210945	960839	VV	0.0000	
87	28.41	28.32	.087859	470448	VV	.1988	<del>Endrin</del>
88	28.77	28.82	.083274	32439	VV	.0117	<del>Endosulfan II</del>
89	28.98		.081977	690926	VV	0.0000	
90	29.13		.140083	361107	VV	0.0000	
91	29.44	29.50	.090270	262037	VV	.1149	<del>4,4'-DDT</del>
92	29.56		.095209	1085880	VV	0.0000	
93	29.76	29.69	.088504	477129	VV	.2297	<del>Endrin aldehyde</del>
94	30.52		.120679	1167329	VV	0.0000	

03/11/99  
JH

IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB
95	30.77		.106788	361567	VV	0.0000
96	30.88		.102923	364788	VV	0.0000
97	31.19		.136921	393989	VV	0.0000
98	31.52	#31.51	.099458	1217394	VV	.5892
99	32.41	32.31	.219397	553779	BV	.4978
100	32.87	32.97	.335071	2000581	VV	.7166
101	33.17		.158754	750792	VV	0.0000
102	33.51		.352440	2286035	VV	0.0000
103	33.99		.213128	1730807	VV	0.0000
104	34.16		.335787	3613763	VV	0.0000
105	34.59		.180445	1339758	VV	0.0000
106	34.77		.267212	2187608	VV	0.0000
107	35.51		.241256	151705	BV	0.0000
108	35.94		.195174	643352	VV	0.0000
109	36.37		.365464	1995820	VV	0.0000
110	36.65		.248878	942336	VV	0.0000
111	37.10		.466060	1428150	VV	0.0000
112	37.40		.232078	630734	VV	0.0000
113	38.24		.290449	309527	BV	0.0000
114	38.64		.410360	386194	VV	0.0000
115	39.12		.520791	440999	VV	0.0000
116	45.39		.268497	81340	PV	0.0000
117	46.21		.931512	170142	VB	0.0000

Name

Dibutyl Chlorendate  
~~Methoxychlor~~  
~~Endrin ketone~~

07/11/93  
*[Handwritten signature]*

Total Area : 56289408 Total PPB : 3.434

Report Time : 1113 11Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /HP58901B/B1227021.RES



1D  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SPP No.: Z014B

Matrix: (soil/water) WATER

Lab Sample ID: 0148006

Sample wt/vol: 975. (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 02/09/93

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_

Date Extracted: 02/10/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 03/02/93

GPC Cleanup: (Y/N) N

pH: \_\_\_\_\_

Dilution Factor: 1

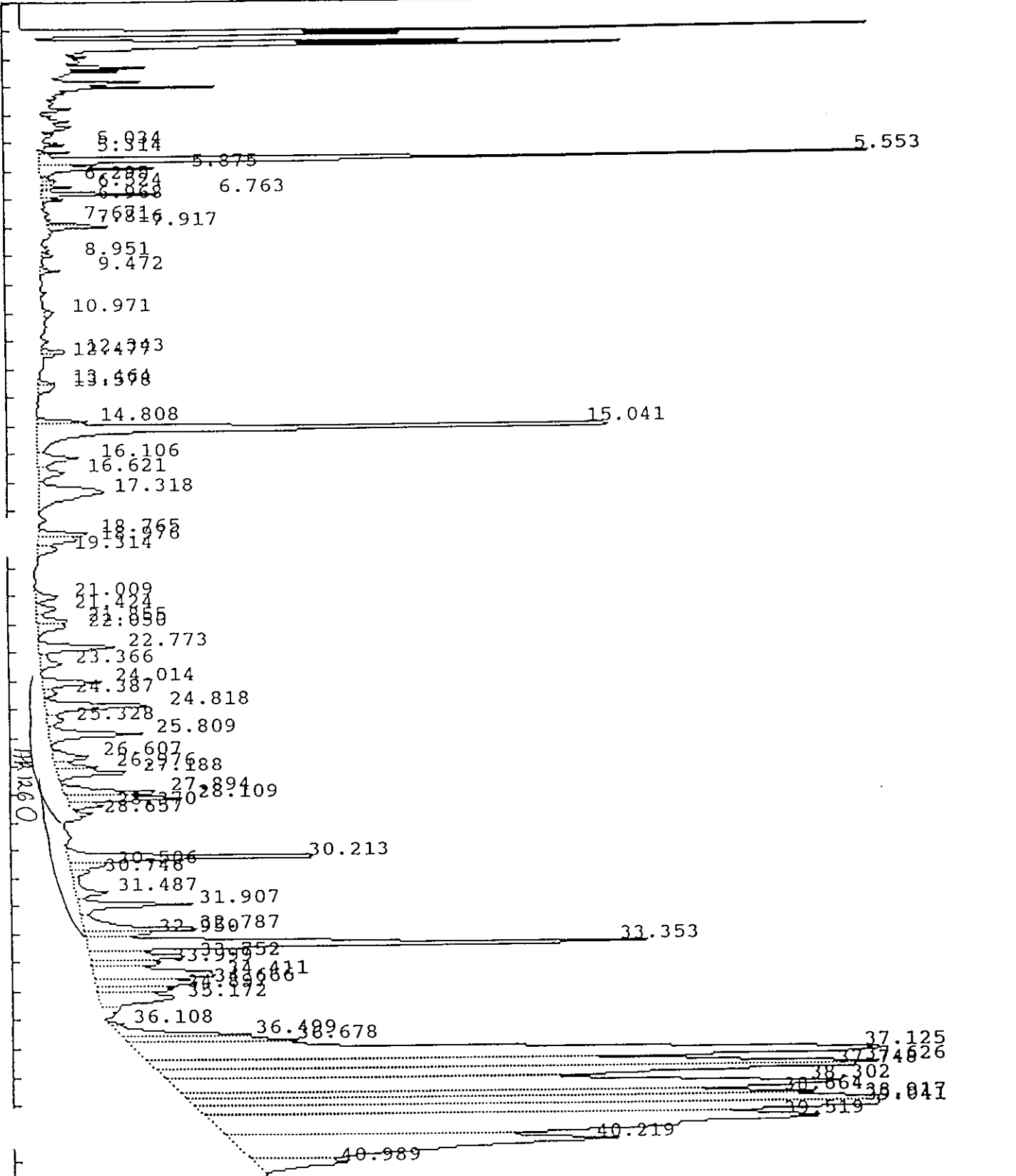
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	0
---------	----------	--	---

12674-11-2	Aroclor-1016	0.067	U
11104-28-2	Aroclor-1221	0.067	U
11141-16-5	Aroclor-1232	0.067	U
53469-21-9	Aroclor-1242	0.067	U
12672-29-6	Aroclor-1248	0.067	U
11097-69-1	Aroclor-1254	0.067	U
11096-82-5	Aroclor-1260	0.20	

IEA Pesticide Standard Report

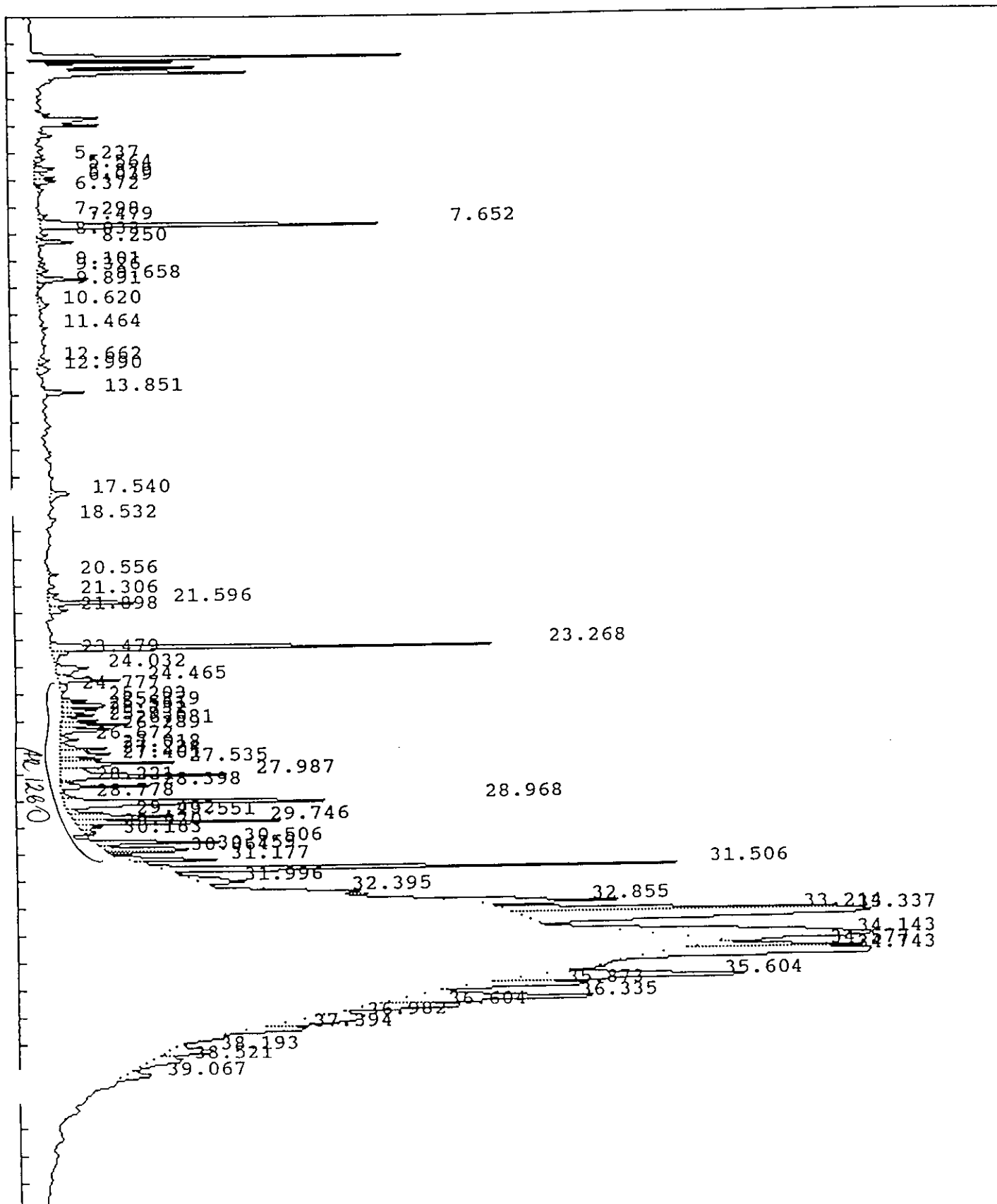
Sample Name : 0148006 FIELD BLANK 02/08/93  
Result File : /DATA/LOOP/RESULT/B4116020.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1032 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0148006 FIELD BLANK 02/0Inj on 0333 10Mar1993  
Result File : /DATA/LOOP/RESULT/B1228011.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0148006 FIELD BLANK 02/08/93 Report No : 74.00  
 Result File : /DATA/LOOP/RESULT/B4116020.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1032 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 20 Bottle no. : 20

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.03		.045909	4645	BV	0.0000	
2	5.31		.058996	16832	PV	0.0000	
3	5.55		.073289	1082537	VV	0.0000	
4	5.88		.104369	94198	VV	0.0000	
5	6.29		.095663	10970	VV	0.0000	
6	6.52		.087006	20333	VV	0.0000	
7	6.76		.077790	80203	VV	0.0000	
8	6.97		.082066	13210	VB	0.0000	
9	7.67		.062971	3306	PV	0.0000	
10	7.82		.064821	14640	PV	0.0000	
11	7.92		.100281	49703	VV	0.0000	
12	8.95		.096015	9509	VV	0.0000	
13	9.47		.102174	15202	VB	0.0000	
14	10.97		.188934	12138	BB	0.0000	
15	12.34	12.34	.124055	23326	PV	.0138	Heptachlor
16	12.48		.104025	9668	VB	0.0000	
17	13.46		.109515	11388	BV	0.0000	
18	13.58	13.61	.247807	27545	VV	.0208	Aldrin
19	14.81		.131227	45410	BV	0.0000	
20	15.04		.188940	810950	VV	0.0000	
21	16.11		.250436	67447	VV	0.0000	
22	16.62		.255104	45126	VV	0.0000	
23	17.32		.442875	191257	VV	0.0000	
24	18.76		.187956	64548	BV	0.0000	
25	18.98		.202985	52661	VV	0.0000	
26	19.31		.244793	33101	VB	0.0000	
27	21.01		.232384	35161	BV	0.0000	
28	21.42		.244116	32609	VV	0.0000	
29	21.86		.201447	41317	VV	0.0000	
30	22.05		.229457	43064	VV	0.0000	
31	22.77		.215520	111692	PV	0.0000	
32	23.37	23.33	.283996	40715	VV	.0352	Dieldrin
33	24.01		.201755	81926	PV	0.0000	
34	24.39		.221236	18667	VV	0.0000	
35	24.82	24.82	.227726	162700	VV	.1773	Endrin
36	25.33		.237301	27577	VV	0.0000	
37	25.81		.220595	140510	VV	0.0000	
38	26.61		.234570	58690	PV	0.0000	
39	26.98		.186975	52346	VV	0.0000	
40	27.19		.198182	100555	VV	0.0000	

08/11/93  
Jn

IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	27.89		.199425	131680	PV	0.0000	
42	28.11		.177566	141708	VV	0.0000	
43	28.37	28.35	.142506	33530	VV	.0249	<del>Endosulfan II</del>
44	28.66		.112545	13780	PV	0.0000	
45	30.21		.179210	329802	PV	0.0000	
46	30.51		.173367	42619	VV	0.0000	
47	30.75		.184968	23655	VV	0.0000	
48	31.49		.271517	62824	VV	0.0000	
49	31.91		.185576	144278	VV	0.0000	
50	32.79		.210074	178200	VV	0.0000	
51	32.95		.131307	58651	VV	0.0000	
52	33.35	#33.44	.202893	834337	VV	1.1146	Dibutyl Chlorendate
53	33.75		.221183	150398	VV	0.0000	
54	34.00		.194770	91558	VV	0.0000	03/11/93
55	34.41		.339974	275002	VV	0.0000	
56	34.67	34.62	.215497	147409	VV	.1445	<del>Endrin ketone</del>
57	34.90		.186159	96274	VV	0.0000	
58	35.17		.327855	167236	VV	0.0000	
59	36.11		.145455	16696	PV	0.0000	
60	36.50		.196834	169149	VV	0.0000	
61	36.68		.160705	182041	VV	0.0000	
62	37.12		.387538	2137270	VV	0.0000	
63	37.63		.270121	1298989	VV	0.0000	
64	37.75		.261237	1199220	VV	0.0000	
65	38.30		.422677	1869752	VV	0.0000	
66	38.66		.160775	663216	VV	0.0000	
67	38.92		.216880	1044443	VV	0.0000	
68	39.04		.306220	1547628	VV	0.0000	
69	39.52		.553076	2195505	VV	0.0000	
70	40.22		.480855	1227446	VV	0.0000	
71	40.99		.259900	159074	VV	0.0000	

Total Area : 20390756 Total PPB : 1.531

Report Time : 1118 02Mar1993  
Method : /DATA/LOOP/METHOD/B4116.MTH  
Result File : /DATA/LOOP/RESULT/B4116020.RES

IEA Pesticide Standard Report

ample Name : 0148006 FIELD BLANK 02/08/93 Report No :216.11  
 Result File : /DATA/LOOP/RESULT/B1228011.RES  
 Column Type : RTX-35 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0333 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 11 Bottle no. : 11

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.24		.090528	34164	VV	0.0000	
2	5.56		.126164	92671	PV	0.0000	
3	5.88		.110579	88109	VV	0.0000	
4	6.04		.091263	87914	VV	0.0000	
5	6.37		.092279	24517	VV	0.0000	
6	7.30		.092608	31426	BV	0.0000	
7	7.48		.067573	49117	VV	0.0000	
8	7.65		.109816	1431966	VV	0.0000	
9	8.03		.080672	32578	BV	0.0000	
10	8.25		.107835	141839	PV	0.0000	
11	9.10		.104448	32770	VV	0.0000	
12	9.33		.141980	48043	VV	0.0000	
13	9.66		.120020	205765	VV	0.0000	
14	9.89		.100073	32638	VV	0.0000	
15	10.62		.230768	83926	BV	0.0000	
16	11.46		.092871	22554	PV	0.0000	
17	12.66		.175725	59220	VV	0.0000	
18	12.99		.206031	88721	VV	0.0000	
19	13.85		.116666	154679	BV	0.0000	
20	17.54		.182834	122752	BV	0.0000	
21	18.53		.102420	21225	BV	0.0000	
22	20.56		.134480	45214	BB	0.0000	
23	21.31		.100537	38159	PV	0.0000	
24	21.60		.112203	393703	VV	0.0000	
25	21.90	21.84	.168401	114773	VV	.0188	Heptachlor
26	23.27	23.28	.102180	1682764	BV	.3495	Aldrin
27	23.48		.130032	70350	VV	0.0000	
28	24.03		.215950	252999	VV	0.0000	
29	24.46		.107727	263993	VV	0.0000	
30	24.78		.175675	58861	VB	0.0000	
31	25.20		.084774	82053	BV	0.0000	
32	25.38	25.31	.086335	193918	VV	.0447	Heptachlor epoxide
33	25.56		.093724	137034	VV	0.0000	
34	25.73		.086089	104549	VV	0.0000	
35	25.94	25.94	.094014	130058	VV	.0377	gamma-Chlordane
36	26.08		.082390	217202	VV	0.0000	
37	26.29	26.42	.126415	247691	VV	.0740	alpha-Chlordane
38	26.67	26.48	.093356	62849	VV	.0190	Endosulfan I
39	27.02	27.10	.124912	202555	VV	.0651	4,4'-DDE
40	27.22		.119179	249089	VV	0.0000	

03/11/93  
*[Handwritten signature]*

## IEA Pesticide Standard Report

pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	27.40	27.37	.083166	129894	VV	.0358	Dieldrin
42	27.54		.119500	510611	VV	0.0000	
43	27.99		.138231	851621	VV	0.0000	
44	28.22	28.32	.066355	43685	VV	.0180	Endrin
45	28.40		.078298	271374	VV	0.0000	
46	28.78	28.83	.079236	42960	VV	.0157	Endosulfan II
47	28.97		.107184	1455381	VV	0.0000	
48	29.43	29.52	.096638	157624	PV	.0608	4,4'-DDT
49	29.55		.081682	380302	VV	0.0000	
50	29.75	29.71	.089160	752528	VV	.3184	Endrin aldehyde
51	29.93		.123273	106456	VV	0.0000	
52	30.16	30.22	.077807	55166	VB	.0368	Endosulfan sulfate
53	30.51		.083174	402584	BV	0.0000	
54	30.76		.099803	353826	VV	0.0000	
55	30.86		.083766	204775	VB	0.0000	
56	31.18		.119050	395863	BV	0.0000	
57	31.51	#31.53	.102500	1953983	PB	.8763	Dibutyl Chlorendate
58	32.00		.215004	359472	BV	0.0000	
59	32.39	32.33	.123238	215565	PB	.1499	Methoxychlor
60	32.86	32.97	.182225	1025501	BB	.3616	Endrin ketone
61	33.21		.146877	1819561	BV	0.0000	
62	33.34		.227320	2922146	VB	0.0000	
63	34.14		.285975	3498890	BB	0.0000	
64	34.58		.119611	639822	BV	0.0000	
65	34.74		.217303	1951251	VB	0.0000	
66	35.60		.194868	1464185	BV	0.0000	
67	35.87		.136533	542494	VB	0.0000	
68	36.34		.207569	1377956	BV	0.0000	
69	36.60		.160551	505825	VB	0.0000	
70	36.98		.406681	589665	BV	0.0000	
71	37.39		.167415	293458	VV	0.0000	
72	38.19		.224535	312941	BV	0.0000	
73	38.52		.248662	241332	VV	0.0000	
74	39.07		.199905	165083	PV	0.0000	

Total Area : 33428196 Total PPB : 2.482

Report Time : 1458 11Mar1993

Method : /DATA/LOOP/METHOD/B1228.MTH

Result File : /DATA/LOOP/RESULT/B1228011.RES

1D  
 PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-27

836

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Date No.: 0148 SAS No.: \_\_\_\_\_ SDS No.: Z0148  
 Matrix: (soil/water) WATER Lab Sample ID: 0148008  
 Sample wt/vol: 775. (g/ml) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 02/09/93  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 02/10/93  
 Extraction: (SepF/Cont/Sand) SEPF Date Analyzed: 03/03/93  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1

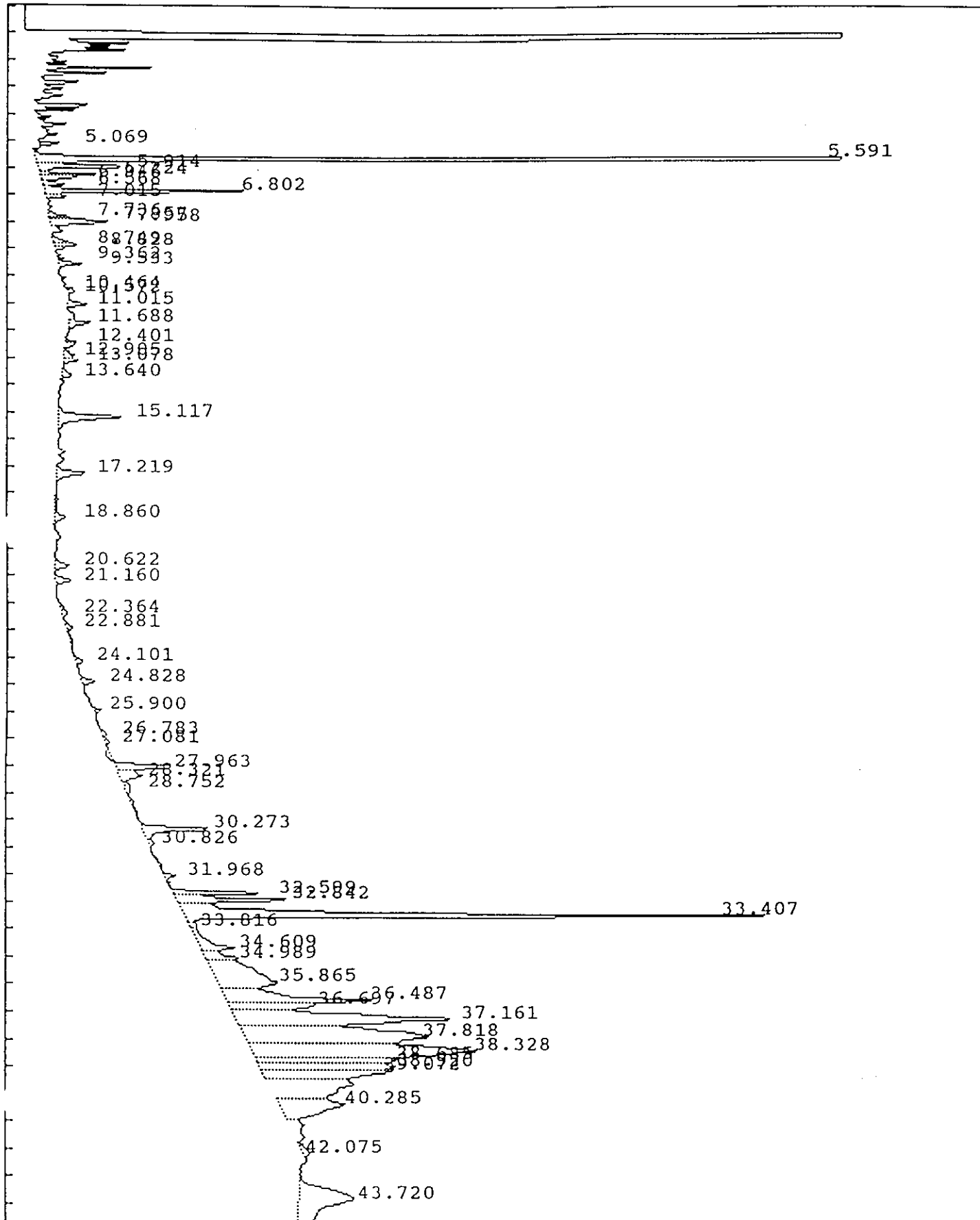
DAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
12674-11-2	Aroclor-1016	0.067	U
11104-28-2	Aroclor-1221	0.067	U
11141-16-5	Aroclor-1232	0.067	U
53469-21-9	Aroclor-1242	0.067	U
12672-29-6	Aroclor-1248	0.067	U
11097-69-1	Aroclor-1254	0.067	U
11096-82-5	Aroclor-1260	0.067	U



IEA Pesticide Standard Report

Sample Name : 0148008 MW-27 S C/U  
Result File : /DATA/LOOP/RESULT/B4116049.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1700 03Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148008 MW-27 S C/U Report No : 104.00  
 Result File : /DATA/LOOP/RESULT/B4116049.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1700 03Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 49 Bottle no. : 49

% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.07		.065137	14108	BV	0.0000	
2	5.59		.072720	1256367	VV	0.0000	
3	5.91		.093993	86088	VV	0.0000	
4	6.22		.082308	41566	VV	0.0000	
5	6.35		.099741	24048	VV	0.0000	
6	6.57		.081330	15792	VV	0.0000	
7	6.80		.081154	156847	VV	0.0000	
8	7.01		.087102	15505	VV	0.0000	
9	7.74		.094394	12446	PV	0.0000	
0	7.86		.076466	21051	VV	0.0000	
11	7.96		.114925	55499	VV	0.0000	
12	8.75		.133951	18119	PV	0.0000	
13	8.83		.087508	15782	VV	0.0000	
14	9.36		.072405	4160	PV	0.0000	
15	9.53		.114082	17860	VB	0.0000	
16	10.46		.077997	5674	PV	0.0000	
17	10.57		.104792	5157	VB	0.0000	
18	11.02		.132470	16833	BV	0.0000	
19	11.69		.132747	23379	VB	0.0000	
20	12.40		.103341	10583	BV	0.0000	
21	12.91		.176429	14417	PV	0.0000	
22	13.08		.115146	12487	VB	0.0000	
23	13.64	13.61	.166968	12828	VV	.0097	Aldrin
24	15.12		.205712	91565	BV	0.0000	
25	17.22		.209862	43055	VB	0.0000	
26	18.86		.298845	22011	BV	0.0000	
27	20.62	20.62	.191920	18805	BV	.0145	gamma-Chlordane
28	21.16	21.15	.199738	20401	PB	.0147	alpha-Chlordane
29	22.36	22.38	.253447	8697	BV	.0084	4,4'-DDE
30	22.88		.202844	8766	VV	0.0000	
31	24.10		.275461	15308	VV	0.0000	
32	24.83	24.82	.195997	18062	VB	.0197	Endrin
33	25.90		.133110	7334	BB	0.0000	
34	26.78		.179000	5645	BV	0.0000	
35	27.08		.214244	6221	VV	0.0000	
6	27.96		.155974	67352	PV	0.0000	
7	28.32	28.34	.255957	39416	VV	.0475	4,4'-DDD
38	28.75		.338174	15388	VV	0.0000	
39	30.27		.196206	96718	VV	0.0000	

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	30.83	30.85	.193965	8403	VV	.0103	Endrin aldehyde
41	31.97		.200850	15885	PV	0.0000	
42	32.60	32.61	.123217	82983	PV	.1107	Endosulfan sulfate
43	32.84		.148282	124895	VV	0.0000	
44	33.41	#33.44	.169363	703846	VV	.9403	Dibutyl Chlorendate
45	33.82		.161065	9455	VV	0.0000	
46	34.61	34.62	.300080	73094	VV	.0716	Endrin ketone
47	34.99		.219789	49909	VV	0.0000	
48	35.86		.766933	307672	VV	0.0000	
49	36.49		.288298	288480	VV	0.0000	
50	36.70		.198111	116480	VV	0.0000	
51	37.16		.347199	529105	VV	0.0000	
52	37.82		.541181	664384	VV	0.0000	
53	38.33		.439266	662135	VV	0.0000	
54	38.68		.186897	176452	VV	0.0000	
55	38.92		.209304	189181	VV	0.0000	
56	39.07		.283425	247743	VV	0.0000	
57	40.28		.524917	232080	VV	0.0000	
58	42.07		.375055	15617	VV	0.0000	
59	43.72		.845224	308440	PB	0.0000	

Total Area : 7147583 Total PPB : 1.247

Report Time : 1748 03Mar1993

Method : /DATA/LOOP/METHOD/B4116.MTH

Result File : /DATA/LOOP/RESULT/B4116049.RES

ID  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

89-45

848

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDB No.: 0148

Matrix: (soil/water) WATER

Lab Sample ID: 0148009

Sample wt/vol: 975. (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 02/10/93

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_

Date Extracted: 02/11/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 03/02/93

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Dilution Factor: 1

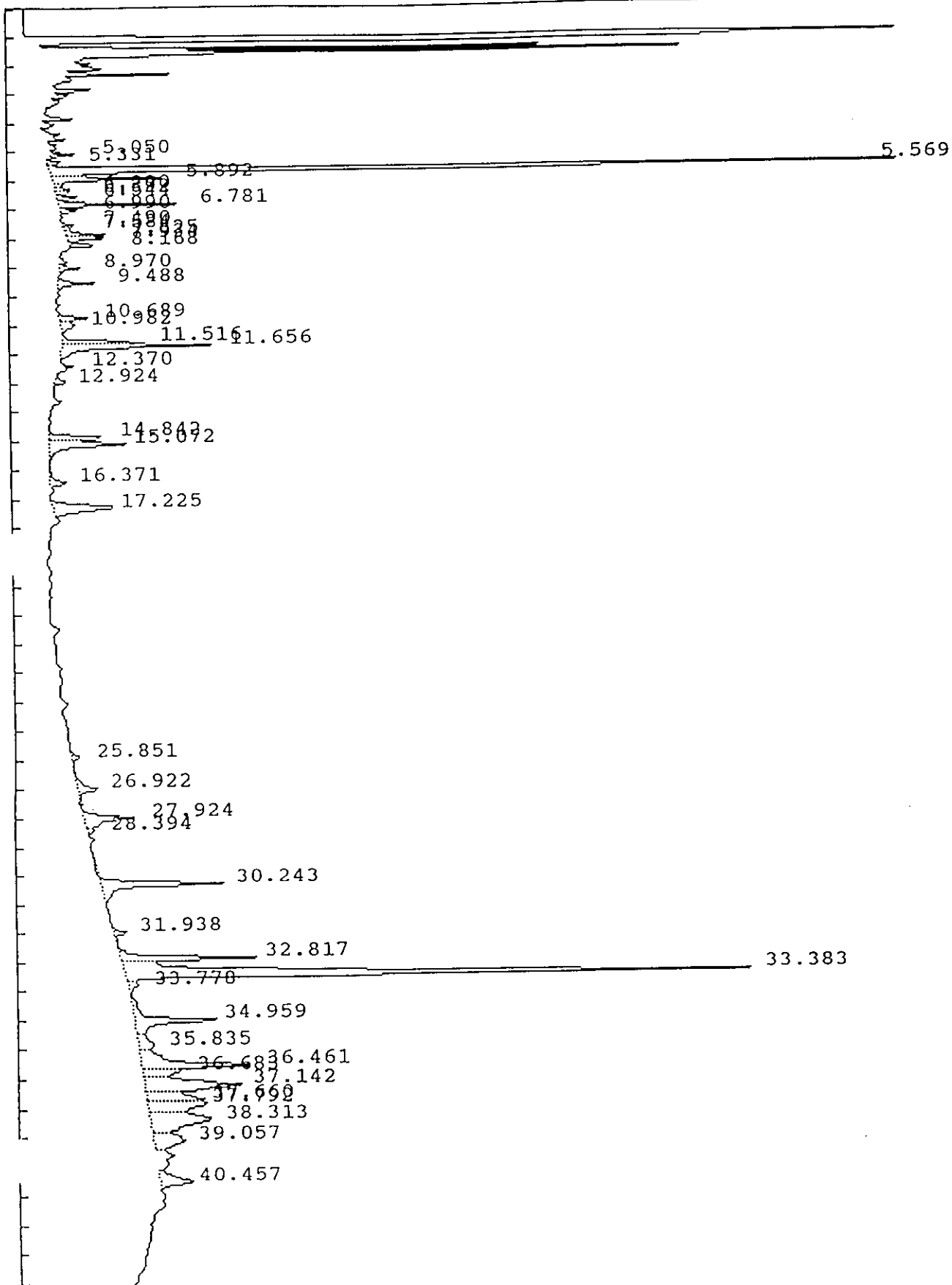
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	R
---------	----------	--	---

12674-11-2	Aroclor-1016	0.067	U
11104-28-2	Aroclor-1221	0.067	U
11141-16-5	Aroclor-1232	0.067	U
53469-21-9	Aroclor-1242	0.067	U
12672-29-6	Aroclor-1248	0.067	U
11097-69-1	Aroclor-1254	0.067	U
11096-82-5	Aroclor-1260	0.067	U

## IEA Pesticide Standard Report

Sample Name : 0148009 MW-45  
 Result File : /DATA/LOOP/RESULT/B4116027.RES  
 Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1737 02Mar1993  
 INSTRUMENT: HP58904B  
 Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148009 MW-45 Report No : 81.00  
 Result File : /DATA/LOOP/RESULT/B4116027.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1737 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 27 Bottle no. : 27

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.05		.062650	9802	BV	0.0000	
2	5.33		.060586	10488	PV	0.0000	
3	5.57		.077222	1032794	VV	0.0000	
4	5.89		.098844	86381	VV	0.0000	
5	6.29		.110900	12947	VV	0.0000	
6	6.39		.067872	6336	VV	0.0000	
7	6.54		.088898	14080	VV	0.0000	
8	6.78		.080112	73865	VV	0.0000	
9	6.99		.076080	10999	VB	0.0000	
10	7.49		.086521	6725	BV	0.0000	
11	7.58		.082159	5595	VV	0.0000	
12	7.82		.108932	32783	VV	0.0000	
13	7.93		.092353	24754	VV	0.0000	
14	8.17		.073382	18114	VV	0.0000	
15	8.97		.088382	13716	PV	0.0000	
16	9.49		.112421	30695	BB	0.0000	
17	10.69		.130224	27891	BV	0.0000	
18	10.98		.220241	21424	VB	0.0000	
19	11.52	11.50	.092157	47119	BV	.0355	<del>gamma-BHC (Lindane)</del>
20	11.66		.142055	150688	VV	0.0000	
21	12.37	12.34	.081579	5978	PV	.0035	<del>Heptachlor</del>
22	12.92		.124025	9703	BB	0.0000	
23	14.84		.151458	56904	BV	0.0000	
24	15.07		.189733	97395	VB	0.0000	
25	16.37		.184738	22100	BV	0.0000	
26	17.23		.256656	107540	PV	0.0000	
27	25.85		.180191	10784	BB	0.0000	
28	26.92		.238841	33614	BB	0.0000	
29	27.92		.238211	80791	BV	0.0000	
30	28.39	28.35	.149155	6930	VV	.0052	<del>Endosulfan II</del>
31	30.24		.200375	163661	BV	0.0000	
32	31.94		.148771	14686	PV	0.0000	
33	32.82		.160623	146351	VV	0.0000	
34	33.38	#33.44	.181431	781243	VV	1.0436	Dibutyl Chlorendate
35	33.78		.206886	14944	VB	0.0000	
36	34.96		.242382	141102	BV	0.0000	
37	35.84		.400437	39700	VV	0.0000	
38	36.46		.238957	175432	VV	0.0000	
39	36.68		.192597	46840	VV	0.0000	

*VB 3/16/83*

IEA Pesticide Standard Report

K#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	37.14		.322926	208237	VV	0.0000	
41	37.66		.247467	93443	VV	0.0000	
42	37.79		.284383	107751	VV	0.0000	
43	38.31		.455800	183784	VV	0.0000	
44	39.06		.445901	87639	VV	0.0000	
45	40.46		.292723	61285	VV	0.0000	

Total Area : 4335034 Total PPB : 1.088

Report Time : 1823 02Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /DATA/LOOP/RESULT/B4116027.RES

ID  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

844  
NHW-1

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDB No.: 20148  
 Matrix: (soil/water) WATER Lab Sample ID: 0148010  
 Sample wt/vol: 985. (g/mL) mL Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 02/10/93  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 02/11/93  
 Extraction: (SepF/Cont/Sonc) SEPFF Date Analyzed: 03/09/93  
 SPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1

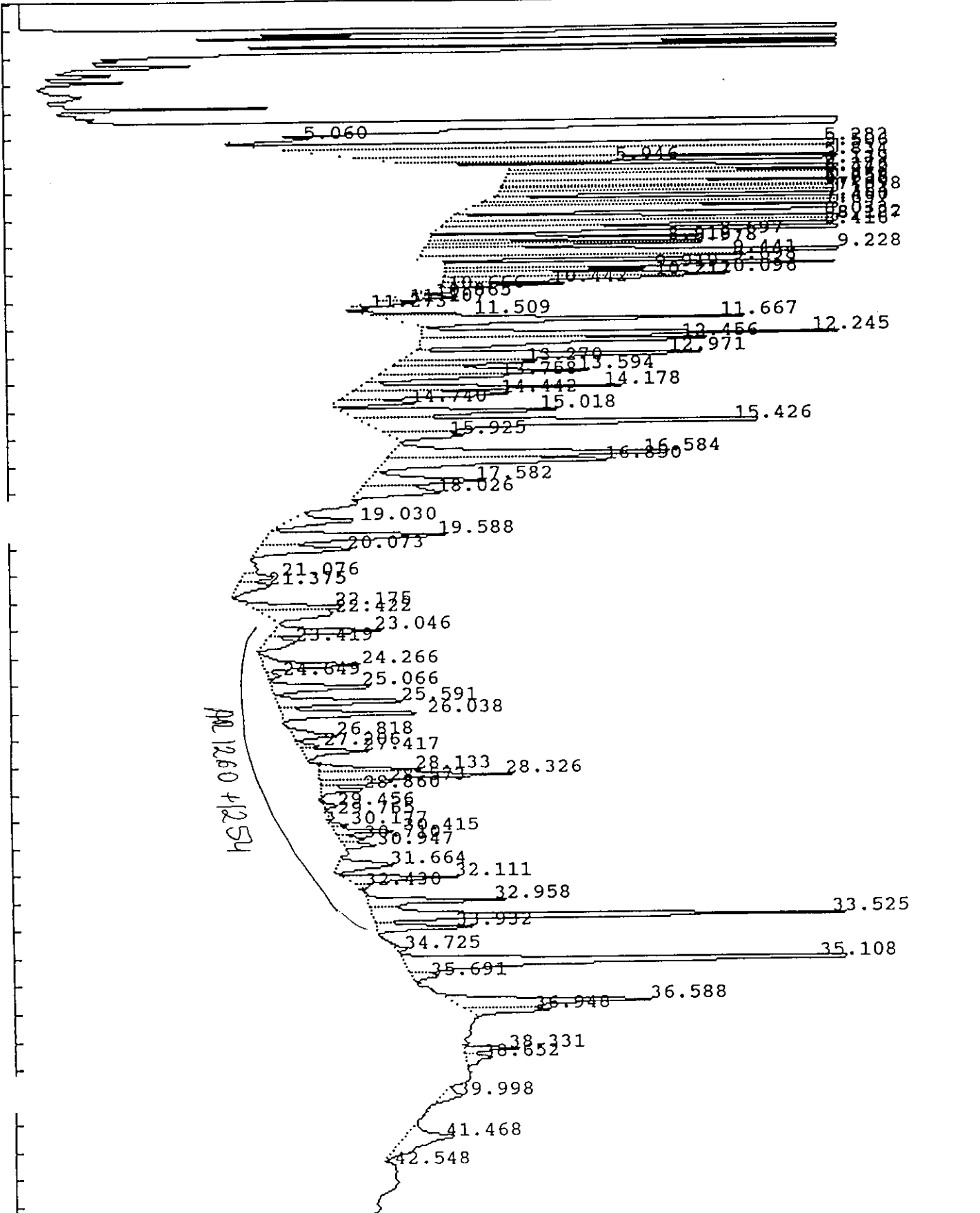
DAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	0.066	U
11104-28-2-----	Aroclor-1221	0.066	U
11141-16-5-----	Aroclor-1232	0.066	U
53469-21-9-----	Aroclor-1242	0.066	U
12672-29-6-----	Aroclor-1248	0.066	U
11097-69-1-----	Aroclor-1254	0.33	
11096-82-5-----	Aroclor-1260	0.13	



IEA Pesticide Standard Report

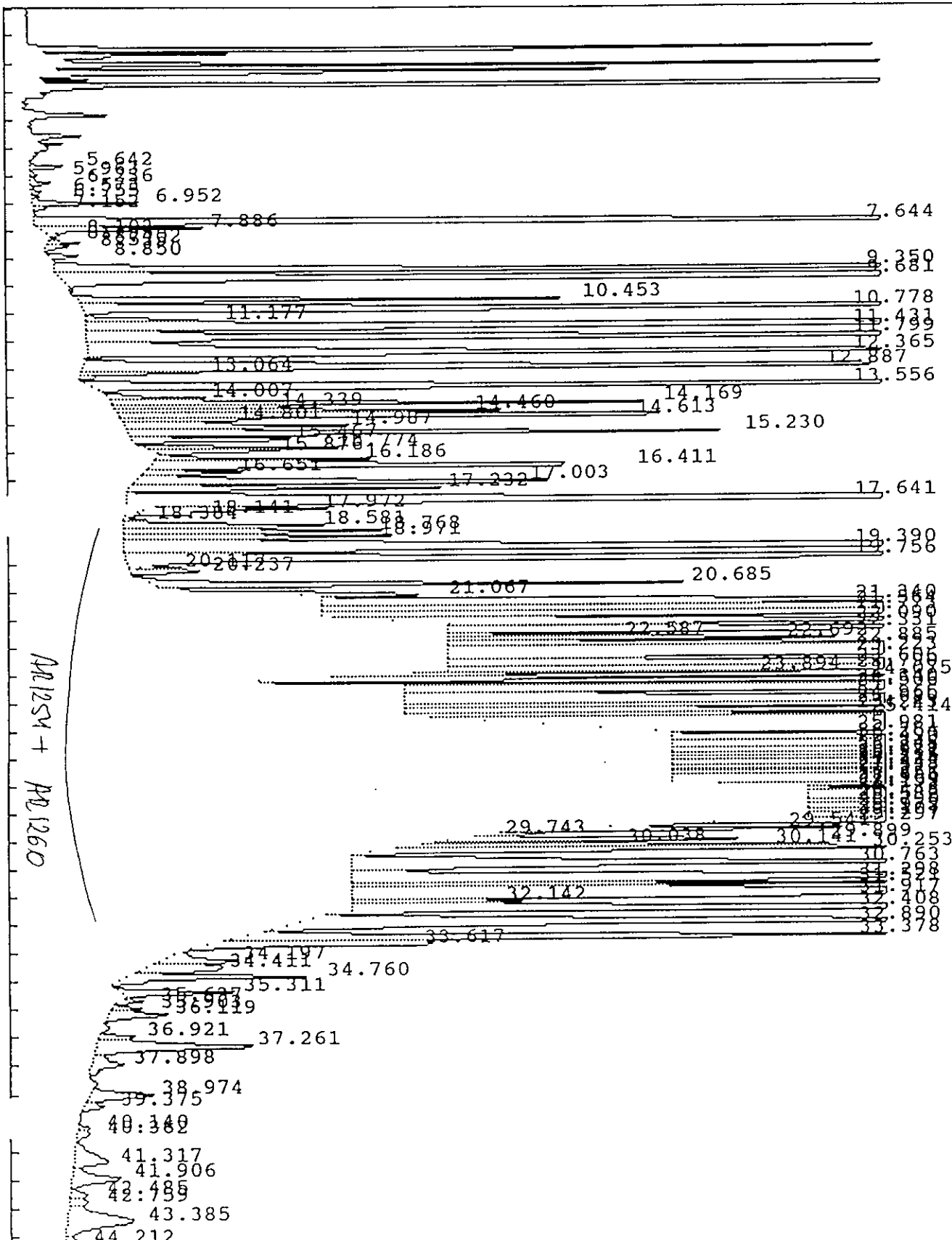
Sample Name : 0148010 MHW-1 ACID C/U  
Result File : /DATA/LOOP/RESULT/B4118020.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 1214 09Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



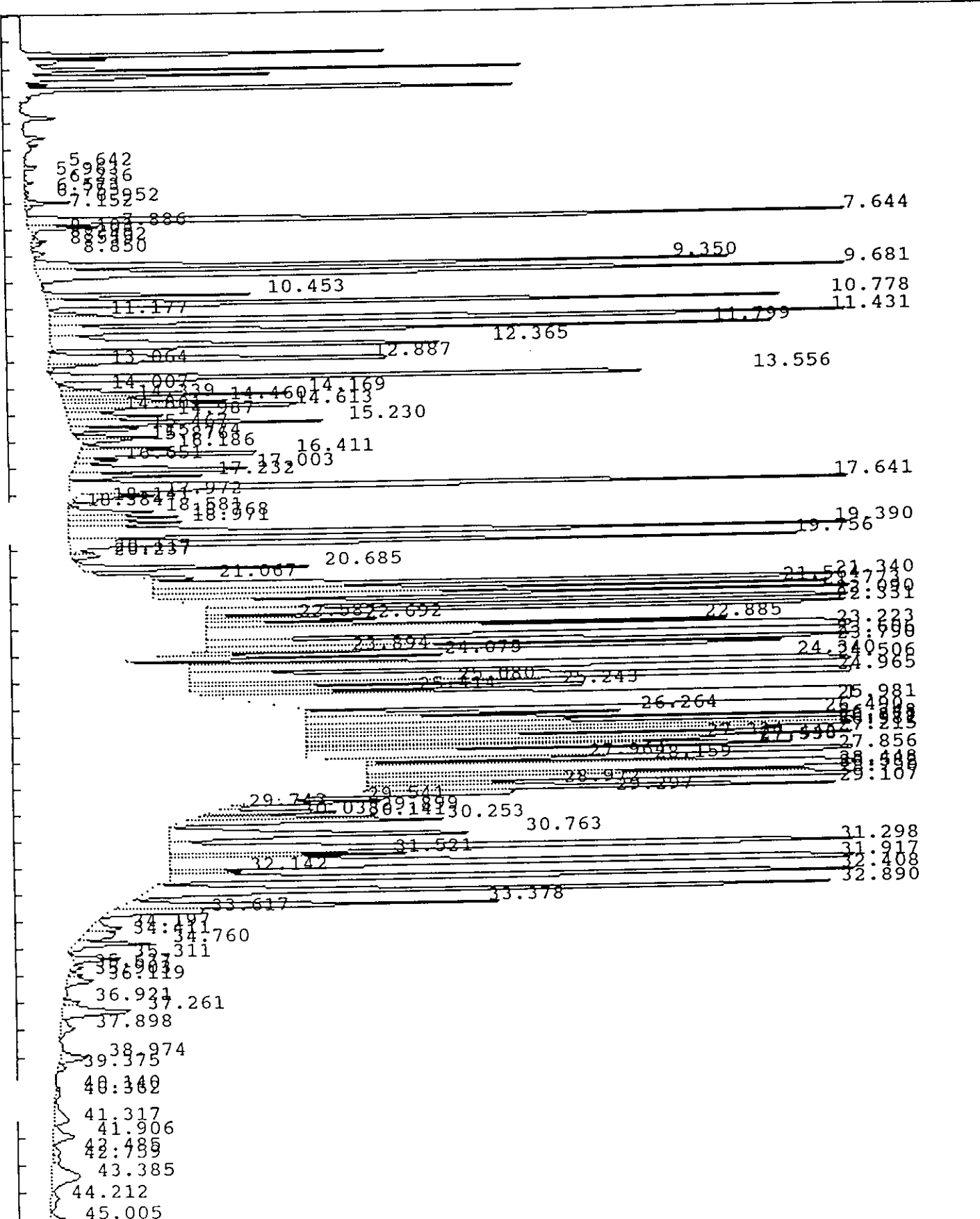
IEA Pesticide Standard Report

Sample Name : 0148010 MHW-1 ACID C/U Inj on 2158 08Mar1993  
 result File : /HP58901B/B1227014.RES INSTRUMENT: HP58901B  
 Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0148010 MHW-1 ACID C/U Inj on 2158 08Mar1993  
 Result File : /HP58901B/B1227014.RES INSTRUMENT: HP58901B  
 Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148010 MHW-1 ACID C/U Report No : 191.11  
 Result File : /DATA/LOOP/RESULT/B4118020.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1214 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 20 Bottle no. : 20

% Dil-Fact  
100.00

Run Status : EndOffBaseline  
SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.06		.043822	11109	BB	0.0000	
2	5.28		.087125	1742696	BV	0.0000	
3	5.51		.108916	3573403	VV	0.0000	
4	5.83		.086468	554794	VV	0.0000	
5	5.95		.068862	114488	VV	0.0000	
6	6.14		.088936	1363366	BV	0.0000	
7	6.38		.078851	1858656	VV	0.0000	
8	6.44		.094285	1714078	VV	0.0000	
9	6.76		.089239	1050706	VV	0.0000	
10	6.86		.061472	483943	VV	0.0000	
11	6.94		.111509	1048683	VV	0.0000	
12	7.10		.080507	216591	VB	0.0000	
13	7.35		.125010	890907	BV	0.0000	
14	7.46		.079291	333355	VV	0.0000	
15	7.64		.133261	1093767	VV	0.0000	
16	8.03		.119412	583467	PV	0.0000	
17	8.12		.050892	172831	VV	0.0000	
18	8.19		.104621	380349	VV	0.0000	
19	8.42		.087802	1178521	VB	0.0000	
20	8.70		.113157	239112	BV	0.0000	
21	8.92		.078130	171826	VV	0.0000	
22	8.98		.074126	139730	VV	0.0000	
23	9.23		.195142	708835	VV	0.0000	
24	9.44		.114281	283672	VV	0.0000	
25	9.70		.145863	427443	BV	0.0000	
26	9.92		.109992	164131	VV	0.0000	
27	10.10	10.09	.130331	270864	VV	.2581	alpha-BHC
28	10.21		.123965	216594	VV	0.0000	
29	10.44		.102836	96650	VB	0.0000	
30	10.67		.089159	21796	BV	0.0000	
31	10.87		.141371	53279	PV	0.0000	
32	11.11		.129121	37537	VV	0.0000	
33	11.27		.055040	8304	PB	0.0000	
34	11.51		.107486	91112	BV	0.0000	
35	11.67		.177044	458782	VB	0.0000	
36	12.24		.119937	509209	BV	0.0000	
37	12.46	12.40	.221195	448661	VB	.2809	Heptachlor
38	12.97		.215239	447152	BV	0.0000	
39	13.27		.144017	137525	VV	0.0000	

03/11/93  
84

IEA Pesticide Standard Report							Name
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	
40	13.59		.192289	275878	VV	0.0000	
41	13.76		.174299	161703	VV	0.0000	
42	14.18		.131695	248160	VV	0.0000	
43	14.44		.225474	246238	VV	0.0000	
44	14.74		.148305	83630	VB	0.0000	
45	15.02		.211041	324824	BV	0.0000	
46	15.43		.250027	744155	VV	0.0000	
47	15.93		.206037	108006	VB	0.0000	
48	16.58		.237376	470023	BV	0.0000	
49	16.85	16.86	.242737	383423	VV	.3824	delta-BHC
50	17.58		.263868	211702	VV	0.0000	
51	18.03		.306823	174383	VV	0.0000	
52	19.03		.242879	111595	BV	0.0000	
53	19.59		.268490	325839	PV	0.0000	
54	20.07	20.07	.241453	153180	VB	.1230	Endosulfan I
55	21.08		.225143	50669	VV	0.0000	
56	21.37	21.32	.304987	67019	VV	.0528	alpha-Chlordane
57	22.17		.222482	142724	PV	0.0000	
58	22.42		.292025	138927	VB	0.0000	
59	23.05		.194365	140796	BV	0.0000	
60	23.42	23.42	.316647	63361	VV	.0544	Dieldrin
61	24.27		.225210	147021	PV	0.0000	
62	24.65		.171977	16082	VV	0.0000	
63	25.07		.210780	152881	VV	0.0000	
64	25.59		.208132	186542	VV	0.0000	
65	26.04		.188487	187089	VB	0.0000	
66	<del>26.82</del>		.215634	69393	BV	0.0000	
67	27.21		.138102	20082	VV	0.0000	
68	27.42		.199229	92230	VV	0.0000	
69	28.13		.167487	118879	BV	0.0000	
70	28.33		.200057	271014	VV	0.0000	
71	<del>28.57</del>		.148409	74359	VV	0.0000	
72	28.86		.166049	54483	VB	0.0000	
73	29.46	29.41	.120696	11585	BV	.0174	4,4'-DDT
74	29.76		.132173	6037	VV	0.0000	
75	30.18		.137081	16716	PV	0.0000	
76	30.42		.138160	62342	VV	0.0000	
77	30.71		.175042	33608	VV	0.0000	
78	30.95	30.91	.174781	39749	VV	.0470	Endrin aldehyde
79	31.66		.273001	103863	BV	0.0000	
80	32.11		.173331	142589	PV	0.0000	
81	32.43		.146313	12110	VB	0.0000	
82	32.96		.170433	172090	BV	0.0000	
83	33.52	#33.48	.153725	634039	VV	.8868	Dibutyl Chlorendate
84	33.93		.175659	127078	VB	0.0000	
85	34.73	34.71	.218749	18969	BB	.0212	Endrin ketone
86	35.11		.204200	828795	BV	0.0000	
87	35.69		.181585	34409	VV	0.0000	
88	36.59		.233836	350023	BV	0.0000	
89	36.95		.180343	107173	VB	0.0000	
90	38.33		.140030	58274	PV	0.0000	
91	38.65		.227827	41773	VB	0.0000	
92	40.00		.199824	26957	VB	0.0000	
93	41.47		.524471	177221	BV	0.0000	
94	42.55		.153312	5273	PV	0.0000	

03/11/95  
jja

Total Area : 32324892 Total PPB :  
IEA Pesticide Standard Report

2.124

850

Report Time : 1202 10Mar1993  
Method : /DATA/LOOP/METHOD/B4118.MTH  
Result File : /DATA/LOOP/RESULT/B4118020.RES

## IEA Pesticide Standard Report

Sample Name : 0148010 MHW-1 ACID C/U Report No :186.21  
 Result File : /HP58901B/B1227014.RES  
 Column Type : RTX-35 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 2158 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 14 Bottle no. : 14

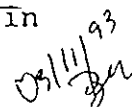
% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.64		.088162	135233	BV	0.0000	
2	5.96		.111159	27689	VV	0.0000	
3	6.24		.096676	86061	VV	0.0000	
4	6.57		.083931	42290	VV	0.0000	
5	6.75		.087174	22076	VV	0.0000	
6	6.95		.092051	352145	VV	0.0000	
7	7.15		.126704	56442	VB	0.0000	
8	7.64		.141356	8424610	GS	0.0000	
9	7.89		.116220	697924	HS	0.0000	
10	8.10		.087478	18082	BT	0.0000	
11	8.29		.065357	19250	BV	0.0000	
12	8.40		.086586	97662	VV	0.0000	
13	8.53		.117778	91524	VV	0.0000	
14	8.85		.123279	138101	PV	0.0000	
15	9.35		.107195	6323318	GV	0.0000	
16	9.68		.161895	9524584	GS	0.0000	
17	10.45		.100084	1665774	BV	0.0000	
18	10.78		.125389	7291967	GB	0.0000	
19	11.18		.095348	373327	BV	0.0000	
20	11.43		.169116	9816348	GV	0.0000	
21	11.80		.115803	6736142	GS	0.0000	
22	12.37		.181924	5846461	HS	0.0000	
23	12.89		.161745	5008357	BV	0.0000	
24	13.06		.100944	397737	VV	0.0000	
25	13.56		.135100	7007272	PV	0.0000	
26	14.01		.121909	434935	BV	0.0000	
27	14.17		.109087	2026824	VV	0.0000	
28	14.34		.080395	449845	VV	0.0000	
29	14.46		.123175	1582095	VV	0.0000	
30	14.61		.118122	2628949	VV	0.0000	
31	14.80		.099106	404065	VV	0.0000	
32	14.99		.136008	994172	VV	0.0000	
33	15.23		.129995	2619851	VV	0.0000	
34	15.47		.131065	745667	VB	0.0000	
35	15.77		.108015	700830	BV	0.0000	
36	15.88		.104896	421516	VB	0.0000	
37	16.19		.102226	739611	BV	0.0000	
38	16.41		.152400	2345820	VV	0.0000	
39	16.65		.120182	393920	VV	0.0000	

## IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	17.00		.155395	2368442	VV	0.0000	
41	17.23	17.29	.110825	1151589	VV	.2657	<del>alpha-BHC</del>
42	17.64		.179379	10191312	GS	0.0000	
43	17.97		.137645	796065	HS	0.0000	
44	18.14		.089353	127288	BT	0.0000	
45	18.38		.101674	77559	BV	0.0000	
46	18.58		.150248	973897	VV	0.0000	
47	18.77		.136315	1141093	VV	0.0000	
48	18.97		.130593	1144209	VV	0.0000	
49	19.39		.180585	10280328	GS	0.0000	
50	19.76	19.71	.136506	7691802	GS	1.6544	<del>gamma-BHC (Lindane)</del>
51	20.12		.089045	125723	BT	0.0000	
52	20.24	20.24	.126005	266429	VT	.1070	<del>beta-BHC</del>
53	20.69		.122489	2221589	BB	0.0000	
54	21.07		.149530	834249	BB	0.0000	
55	21.34		.156556	7977395	GS	0.0000	
56	21.56		.119437	6085469	GS	0.0000	
57	21.77	21.83	.133511	6803143	GS	1.5420	<del>Heptachlor</del>
58	22.09	22.06	.157564	7625661	GS	1.7496	<del>delta-BHC</del>
59	22.33		.153380	7226110	GS	0.0000	
60	22.59		.078348	857734	HS	0.0000	
61	22.69		.081539	1178457	HS	0.0000	
62	22.89		.083067	3588050	HS	0.0000	
63	23.22	23.26	.315271	14854598	GS	3.6872	<del>Aldrin</del>
64	23.61		.186663	8794594	GS	0.0000	
65	23.79		.121089	5704863	GS	0.0000	
66	23.89		.070928	926419	HS	0.0000	
67	24.08		.093274	2195489	BB	0.0000	
68	24.34		.072323	3494579	GS	0.0000	
69	24.51		.183125	8876650	GS	0.0000	
70	24.96		.276300	13393410	GS	0.0000	
71	25.08		.088303	2038569	HS	0.0000	
72	25.24	25.30	.099949	4316422	HS	1.1620	<del>Heptachlor epoxide</del>
73	25.41		.081558	1612144	GS	0.0000	
74	25.98	25.94	.578645	23996400	GS	6.9669	<del>gamma-Chlordane</del>
75	26.26	26.42	.106450	2933110	BV	.8678	<del>alpha-Chlordane</del>
76	26.49	26.46	.131172	5271481	GS	1.5614	<del>Endosulfan I</del>
77	26.75		.163650	6577267	GS	0.0000	
78	26.87		.133761	5376167	GS	0.0000	
79	26.98	27.10	.110673	4448070	GS	1.4378	<del>4,4'-DDE</del>
80	27.21		.160161	6437007	GS	0.0000	
81	27.32	27.36	.089835	2853485	HS	.9060	<del>Dieldrin</del>
82	27.44		.083464	2915860	GS	0.0000	
83	27.54		.088315	3559360	GS	0.0000	
84	27.86		.255047	10250952	GS	0.0000	
85	27.96		.086838	2098135	HS	0.0000	
86	28.16	28.32	.063016	2267044	GS	.9582	<del>Endrin</del>
87	28.45		.302768	10895528	GS	0.0000	
88	28.58	28.61	.085226	3066533	GS	1.4617	<del>4,4'-DDD</del>
89	28.79	28.82	.207820	7478668	GS	2.7089	<del>Endosulfan II</del>
90	28.97		.090061	1416270	HS	0.0000	
91	29.11		.133219	4793334	GS	0.0000	
92	29.30		.077957	1639754	HS	0.0000	
93	29.54	29.50	.095720	926544	BT	.4064	<del>4,4'-DDT</del>
94	29.74	29.69	.054414	95701	BV	.0461	<del>Endrin-aldehyde</del>

05/11/93  




## IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
95	29.90		.092851	1141232	VV	0.0000	
96	30.04		.073315	496736	VV	0.0000	
97	30.14		.089165	1331103	VV	0.0000	
98	30.25	30.23	.115285	2261294	VB	1.4247	Endosulfan sulfate
99	30.76		.188249	4966561	BV	0.0000	
100	31.30		.216404	10837742	GS	0.0000	
101	31.52	#31.51	.115704	2139810	HS	1.0357	Dibutyl Chlorendate
102	31.92		.260725	13057848	GS	0.0000	
103	32.14		.099551	615750	HS	0.0000	
104	32.41	32.31	.178525	8940666	GS	8.0370	Methoxychlor
105	32.89	32.97	.163819	8468198	GS	3.0333	Endrin ketone
106	33.38		.147923	4228427	BV	0.0000	
107	33.62		.132566	1075128	VV	0.0000	
108	34.20		.170200	426524	VV	0.0000	
109	34.41		.280136	626257	VV	0.0000	
110	34.76		.150175	893789	VV	0.0000	
111	35.31		.151566	554757	PB	0.0000	
112	35.64		.115106	78298	BV	0.0000	
113	35.90		.128155	125530	PV	0.0000	
114	36.12		.199132	378243	VV	0.0000	
115	36.92		.145467	174065	PV	0.0000	
116	37.26		.254374	1327019	VV	0.0000	
117	37.90		.311227	323554	VV	0.0000	
118	38.97		.252772	492075	BV	0.0000	
119	39.38		.177260	115267	VV	0.0000	
120	40.14		.179398	63942	PV	0.0000	
21	40.36		.239531	88596	VV	0.0000	
122	41.32		.432425	472880	VV	0.0000	
123	41.91		.320540	493929	VV	0.0000	
124	42.49		.226460	127032	VV	0.0000	
125	42.76		.245784	144003	VV	0.0000	
126	43.38		.538821	1116776	VV	0.0000	
127	44.21		.462516	249016	VV	0.0000	
128	45.01		.249316	326300	VV	0.0000	
129	45.67		.253481	67436	PV	0.0000	
130	46.25		.201304	154729	PB	0.0000	

03/11/93  
JL

Total Area : 411307136 Total PPB : 41.020

Report Time : 1027 11Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /HP58901B/B1227014.RES

13  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-43 854

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148

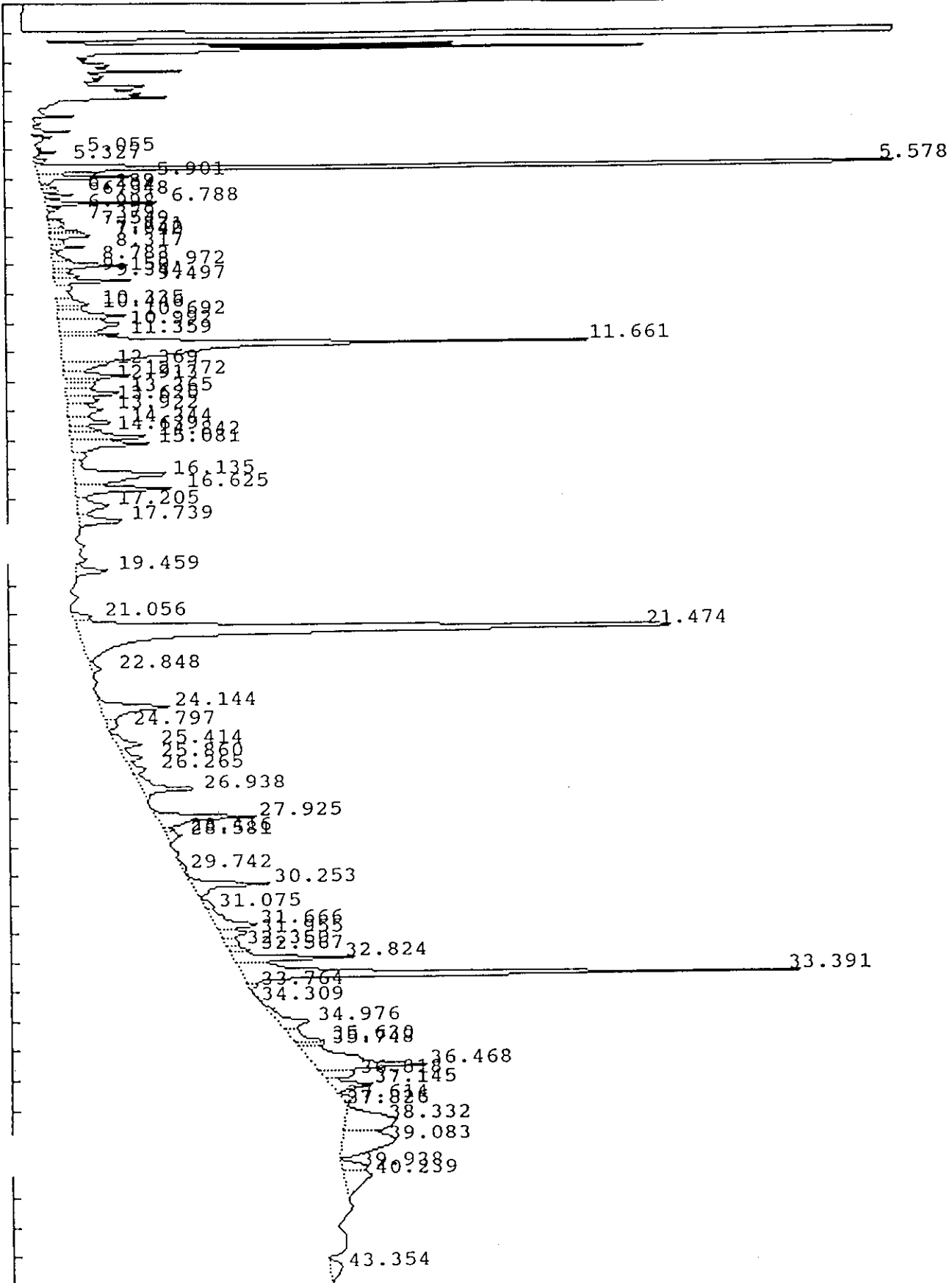
Matrix: (soil/water) WATER Lab Sample ID: 0148011  
 Sample wt/vol: 980. (g/mL) mL Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 02/10/93  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 02/11/93  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/02/93  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	0.066	U
11104-28-2-----	Aroclor-1221	0.066	U
11141-16-5-----	Aroclor-1232	0.066	U
53469-21-9-----	Aroclor-1242	0.066	U
12672-29-8-----	Aroclor-1248	0.066	U
11097-69-1-----	Aroclor-1254	0.066	U
11096-82-5-----	Aroclor-1260	0.066	U

IEA Pesticide Standard Report

Sample Name : 0148011 MW-43  
Result File : /DATA/LOOP/RESULT/B4116029.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1924 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148011 MW-43 Report No : 83.10  
 Result File : /DATA/LOOP/RESULT/B4116029.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1924 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 29 Bottle no. : 29

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.05		.057574	7725	BV	0.0000	
2	5.33		.069030	8675	PV	0.0000	
3	5.58		.072896	1027205	VV	0.0000	
4	5.90		.097956	74549	VV	0.0000	
5	6.29		.090247	11317	VV	0.0000	
6	6.40		.061206	6909	VV	0.0000	
7	6.55		.077024	19166	VV	0.0000	
8	6.79		.078608	66024	VV	0.0000	
9	7.00		.072453	8486	VV	0.0000	
10	7.38		.065548	8185	BV	0.0000	
11	7.55		.193505	18570	VV	0.0000	
12	7.73		.080280	16761	VV	0.0000	
13	7.84		.088481	22859	VV	0.0000	
14	7.94		.109074	29381	VV	0.0000	
15	8.32		.099679	23903	VV	0.0000	
16	8.78		.147705	18086	VV	0.0000	
17	8.97		.134751	66336	VV	0.0000	
18	9.15		.110355	13484	VV	0.0000	
19	9.34		.132716	22791	VV	0.0000	
20	9.50		.113520	66034	VV	0.0000	
21	10.34		.209861	45303	VV	0.0000	
22	10.45		.100299	14851	VV	0.0000	
23	10.69		.207252	91371	VV	0.0000	
24	10.99		.308072	123255	VV	0.0000	
25	11.36		.120809	47529	VV	0.0000	
26	11.66		.248174	859573	VV	0.0000	
27	12.37		.214378	59764	VV	0.0000	
28	12.77		.150987	65255	VV	0.0000	
29	12.91		.118966	27058	VV	0.0000	
30	13.37		.160548	59768	VV	0.0000	
31	13.62		.203454	41761	VV	0.0000	
32	13.92		.290866	64269	VV	0.0000	
33	14.34		.196954	56962	VV	0.0000	
34	14.64		.178576	35279	VV	0.0000	
35	14.84		.173852	88404	VV	0.0000	
36	15.08		.215531	106180	VV	0.0000	
37	16.14		.332585	196098	VV	0.0000	
38	16.63	16.65	.200216	121128	VV	.1371	delta-BHC
39	17.20		.306531	61216	VV	0.0000	

03/11/93  
JN

IEA Pesticide Standard Report

K#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	17.74	17.67	.212440	60296	VB	.0480	<del>Heptachlor epoxide</del>
41	19.46		.190505	37962	VB	0.0000	
42	21.06	21.03	.199197	21983	BV	.0174	<del>alpha-Chlordane</del>
43	21.47		.299916	1151208	VV	0.0000	
44	22.85		.250266	14470	VB	0.0000	
45	24.14		.304271	133498	BV	0.0000	
46	24.80	24.73	.283071	19678	VB	.0222	<u>Endrin</u>
47	25.41		.269554	43056	BV	0.0000	
48	25.86		.223012	27573	VV	0.0000	
49	26.26		.281013	27384	VV	0.0000	
50	26.94		.248474	87656	VV	0.0000	
51	27.93		.224531	139154	BV	0.0000	
52	28.42		.138304	10013	VV	0.0000	
53	28.58		.223433	20137	VB	0.0000	
54	29.74		.288722	9074	PB	0.0000	
55	30.25		.215732	107871	BB	0.0000	
56	31.07		.305641	18403	BV	0.0000	
57	31.67		.308023	83512	VV	0.0000	
58	31.95		.230903	42083	VV	0.0000	
59	32.35		.247391	20633	VV	0.0000	
60	32.57	32.54	.189495	26018	VV	.0381	<del>Endosulfan sulfate</del>
61	32.82		.164324	126625	VV	0.0000	
62	33.39	#33.33	.171558	612007	VV	.9055	Dibutyl Chlorendate
63	33.76		.165774	11363	VB	0.0000	
64	34.31		.107174	1166	BB	0.0000	
65	34.98		.337624	71715	BV	0.0000	
66	35.63		.256050	49716	VV	0.0000	
67	35.75		.147827	26448	VV	0.0000	
68	36.47		.367585	263677	VV	0.0000	
69	36.82		.228210	44834	VV	0.0000	
70	37.15		.232101	65266	VV	0.0000	
71	37.61		.233091	16841	VV	0.0000	
72	37.83		.287492	6081	VB	0.0000	
73	38.33		.589305	182363	BV	0.0000	
74	39.08		.612646	196393	VB	0.0000	
75	39.94		.282354	43524	BV	0.0000	
76	40.24		.509257	89182	VB	0.0000	
77	43.35		.516808	41062	PV	0.0000	

03/11/93  
BA

Total Area : 7651395 Total PPB : 1.168

Report Time : 2139 04Mar1993  
 Method : /DATA/LOOP/METHOD/B4116\_029.MT  
 Result File : /DATA/LOOP/RESULT/B4116029.RES

10  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE ID: 858

NW-44

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDS No.: 20148

Matrix: (soil/water) WATER

Lab Sample ID: 0148012

Sample wt/vol: 980. (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LDW

Date Received: 02/10/93

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_

Date Extracted: 02/11/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 03/02/93

BPC Cleanup: (Y/N) N pH: \_\_\_\_\_

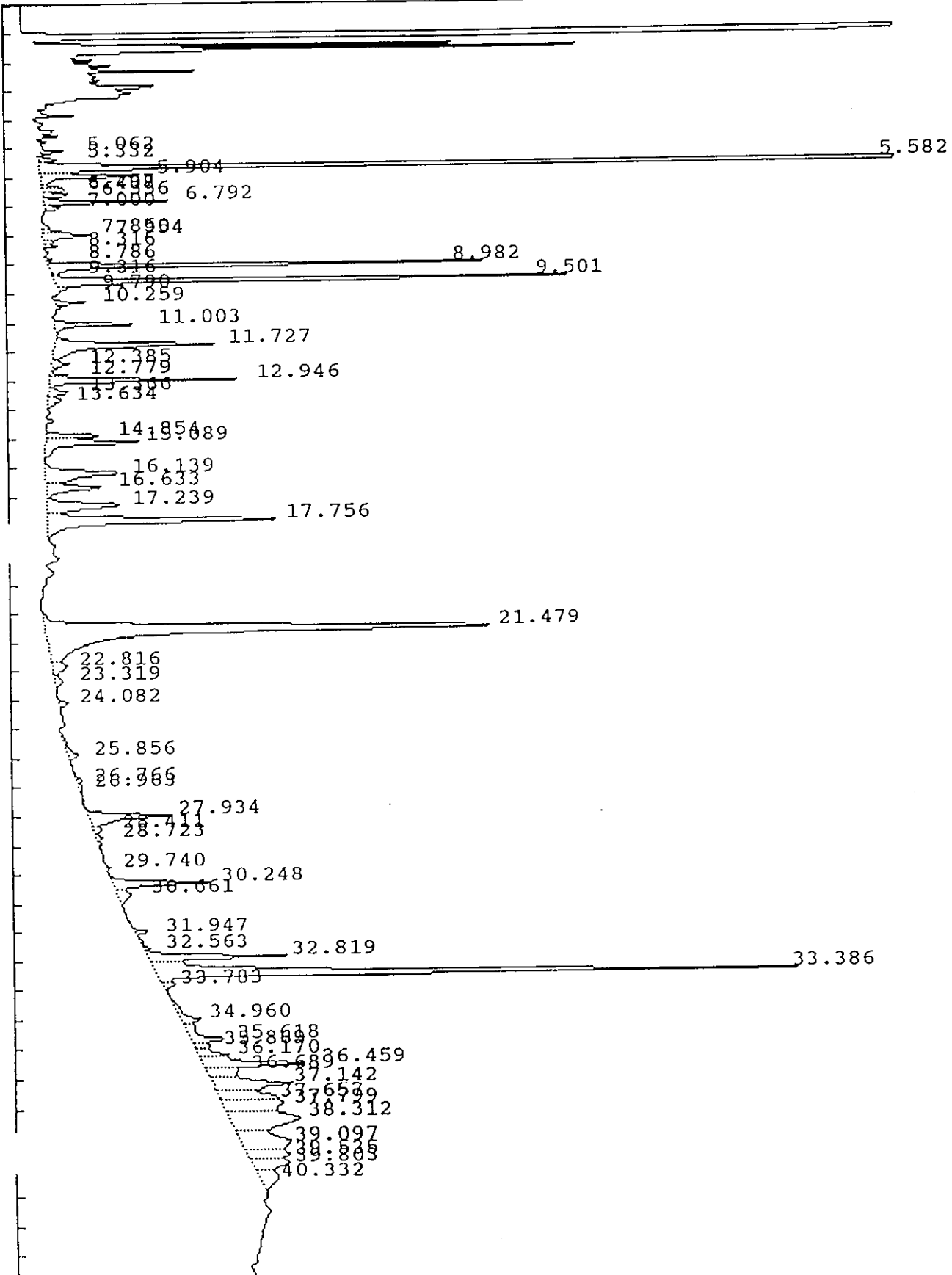
Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	B
12674-11-2	Aroclor-1016	0.066	U
11104-28-2	Aroclor-1221	0.066	U
11141-16-5	Aroclor-1232	0.066	U
53469-21-9	Aroclor-1242	0.066	U
12672-29-6	Aroclor-1248	0.066	U
11097-69-1	Aroclor-1254	0.066	U
11096-82-5	Aroclor-1260	0.066	U

IEA Pesticide Standard Report

Sample Name : 0148012 MW-44  
Result File : /DATA/LOOP/RESULT/B4116030.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 2017 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148012 MW-44 Report No : 84.00  
 Result File : /DATA/LOOP/RESULT/B4116030.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2017 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 30 Bottle no. : 30

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.06		.071610	12769	BV	0.0000	
2	5.33		.089606	13955	PV	0.0000	
3	5.58		.073559	1047467	VV	0.0000	
4	5.90		.102811	89488	VV	0.0000	
5	6.30		.098031	14553	VV	0.0000	
6	6.41		.071007	11231	VV	0.0000	
7	6.56		.077559	18795	VV	0.0000	
8	6.79		.080129	78379	VV	0.0000	
9	7.00		.074777	11248	VB	0.0000	
10	7.85		.075782	15869	VV	0.0000	
11	7.95		.121442	41793	VV	0.0000	
12	8.32		.091947	8460	VB	0.0000	
13	8.79		.063742	3589	PV	0.0000	
14	8.98		.092453	310986	PV	0.0000	
15	9.32		.086022	5341	VV	0.0000	
16	9.50		.096294	400339	VV	0.0000	
17	9.79		.080586	4954	VV	0.0000	
18	10.26		.079457	17065	BV	0.0000	
19	11.00		.120456	73246	BB	0.0000	
20	11.73		.202234	208516	BV	0.0000	
21	12.38	12.34	.121487	14722	VV	.0087	Heptachlor
22	12.78		.093215	11577	PV	0.0000	
23	12.95		.113668	145804	VV	0.0000	
24	13.37		.156010	22356	VV	0.0000	
25	13.63	13.61	.192160	18459	VV	.0139	Aldrin
26	14.85		.144120	52258	BV	0.0000	
27	15.09		.186987	114280	VB	0.0000	
28	16.14		.279036	130438	BV	0.0000	
29	16.63		.203766	72022	VV	0.0000	
30	17.24		.255916	120532	VV	0.0000	
31	17.76	17.83	.212309	315330	VV	.2407	Heptachlor-epoxide
32	21.48		.330024	937050	BV	0.0000	
33	22.82		.313566	28886	VV	0.0000	
34	23.32	23.33	.338095	13641	VB	.0118	Dieldrin
35	24.08		.191766	11111	BB	0.0000	
36	25.86		.336669	24501	PV	0.0000	
37	26.77		.271342	9249	VV	0.0000	
38	26.96		.206382	5031	VV	0.0000	
39	27.93		.218076	116420	VV	0.0000	

03/11/93  
JJA



## IEA Pesticide Standard Report

#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	28.41	28.35	.185742	10557	VV	.0078	Endosulfan II
41	28.72		.187446	7549	VV	0.0000	
42	29.74		.326874	8261	VV	0.0000	
43	30.25		.177410	109847	PV	0.0000	
44	30.66		.303607	29077	VV	0.0000	
45	31.95		.093195	8062	PV	0.0000	
46	32.56	32.61	.181124	8332	VV	.0111	Endosulfan sulfate
47	32.82		.151171	135488	VV	0.0000	
48	33.39	#33.44	.168362	711441	VV	.9504	Dibutyl Chlorendate
49	33.78		.182896	15114	VV	0.0000	
50	34.96		.315814	45041	VV	0.0000	
51	35.62		.281343	65450	VV	0.0000	
52	35.87		.207043	20734	VV	0.0000	
53	36.17		.198583	38486	VV	0.0000	
54	36.46		.192631	132589	VV	0.0000	
55	36.69		.254363	51957	VV	0.0000	
56	37.14		.304054	157820	VV	0.0000	
57	37.66		.272140	102085	VV	0.0000	
58	37.80		.310925	120188	VV	0.0000	
59	38.31		.529899	233316	VV	0.0000	
60	39.10		.504887	157371	VV	0.0000	
61	39.53		.294172	77189	VV	0.0000	
62	39.80		.324480	75895	VV	0.0000	
63	40.33		.506436	61109	VV	0.0000	

Total Area : 6934670 Total PPB : 1.244

Report Time : 2102 02Mar1993  
Method : /DATA/LOOP/METHOD/B4116.MTH  
Result File : /DATA/LOOP/RESULT/B4116030.RES

10  
PCB ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW-46

882

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SPS No.: 20148

Matrix: (soil/water) WATER

Lab Sample ID: 0148013

Sample wt/vol: 1000. (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 02/10/93

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_

Date Extracted: 02/11/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 03/02/93

SPC Cleanup: (Y/N) N

pH: \_\_\_\_\_

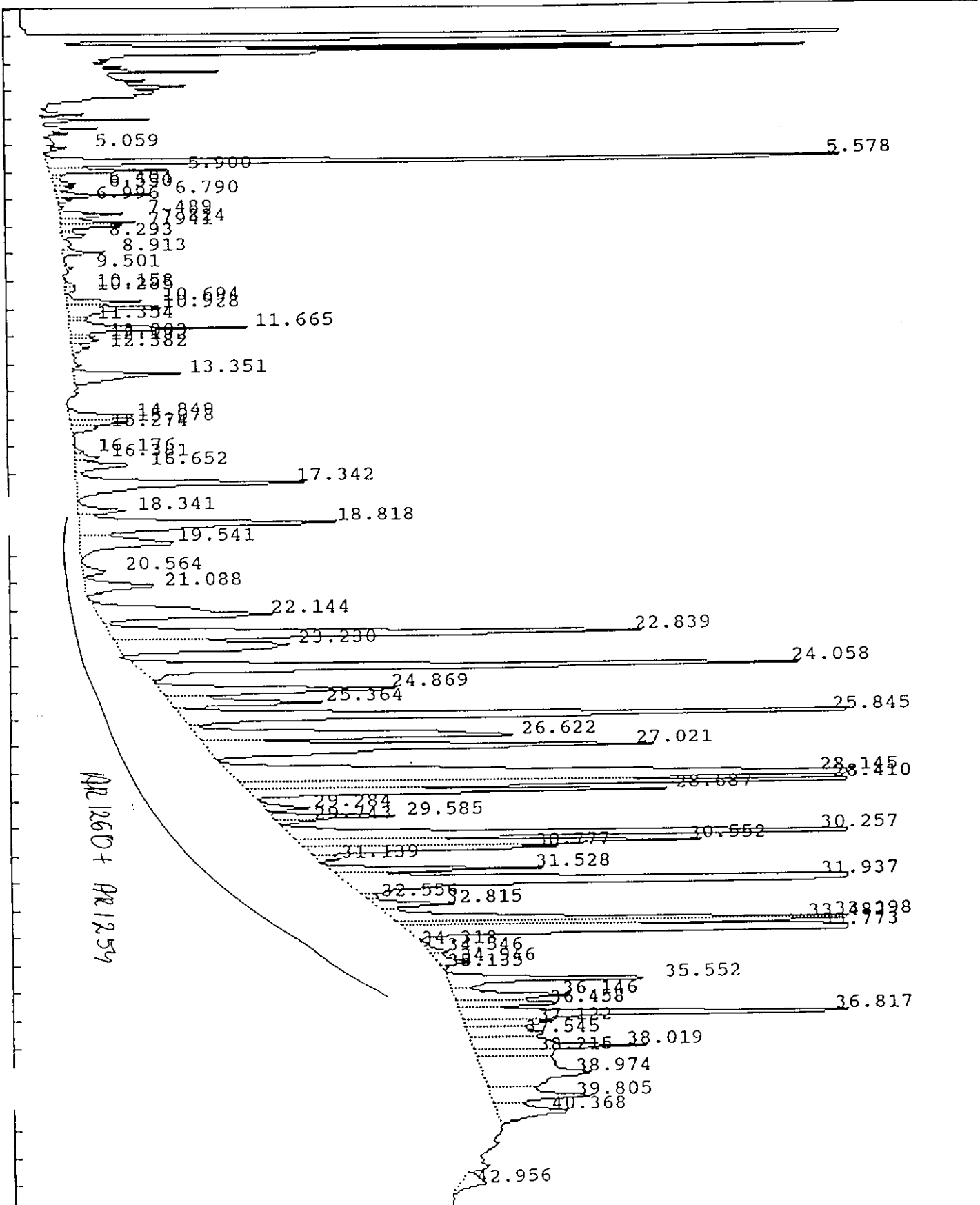
Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	0
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.59	
11096-82-5	Aroclor-1260	1.7	

IEA Pesticide Standard Report

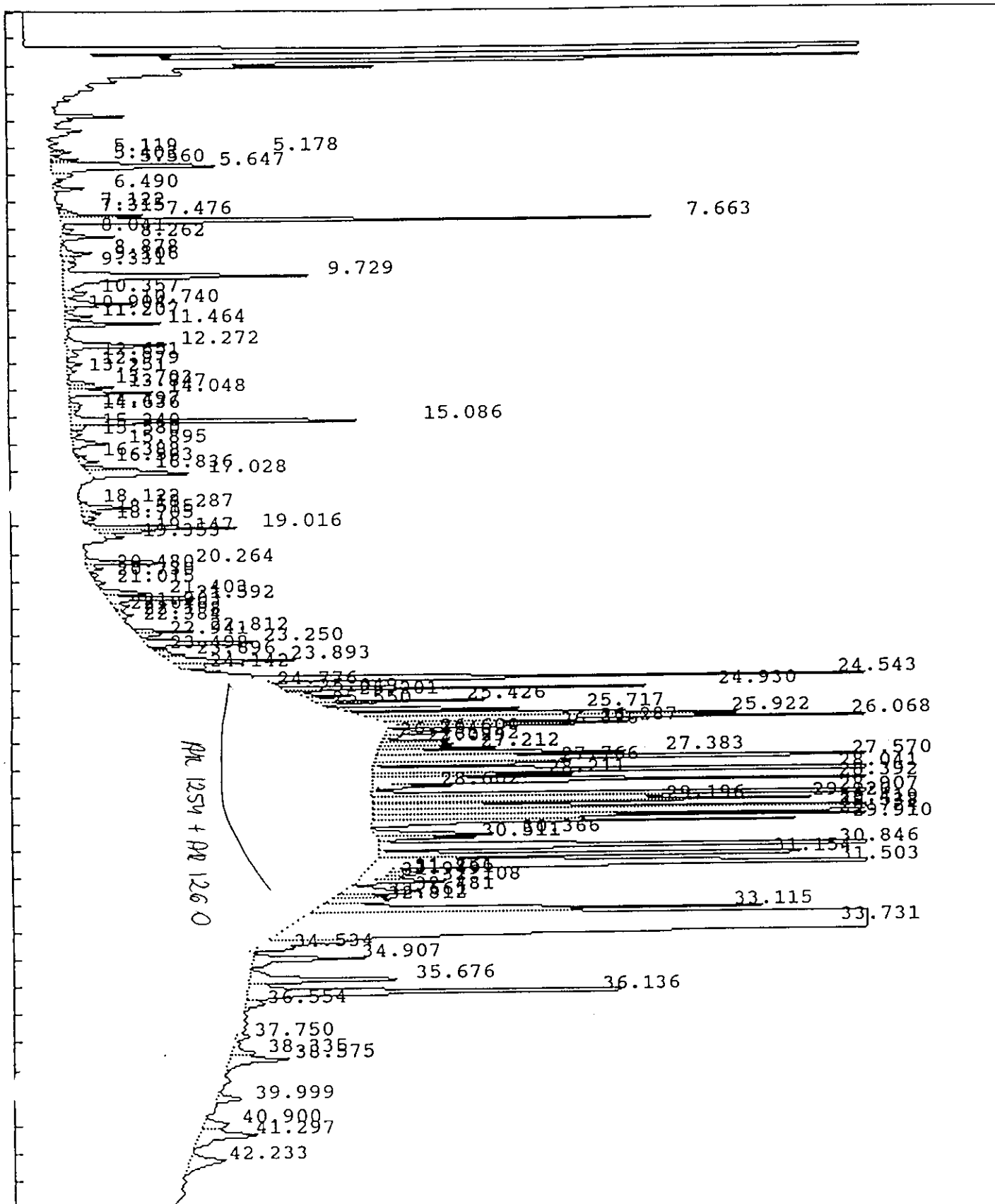
Sample Name : 0148013 MW-46  
Result File : /DATA/LOOP/RESULT/B4116031.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 2110 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0148013 MW-46 Inj on 0520 10Mar1993  
 Result File : /DATA/LOOP/RESULT/B1228013.RES INSTRUMENT: HP58901B  
 Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148013 MW-46 Report No : 85.10  
 Result File : /DATA/LOOP/RESULT/B4116031.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2110 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 31 Bottle no. : 31

% Dil-Fact  
100.00

Run Status : RunStatusOK  
EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.06		.071500	9636	BB	0.0000	
2	5.58		.084345	1135104	BV	0.0000	
3	5.90		.105239	104975	VV	0.0000	
4	6.40		.125132	22043	VV	0.0000	
5	6.55		.089364	15639	VV	0.0000	
6	6.79		.086840	66606	VV	0.0000	
7	7.00		.083438	11267	VB	0.0000	
8	7.49		.147082	68204	VV	0.0000	
9	7.82		.118873	68386	VV	0.0000	
10	7.94		.112231	49589	VV	0.0000	
11	8.29		.110127	23430	VV	0.0000	
12	8.91		.096618	30705	VV	0.0000	
13	9.50		.080676	5613	BV	0.0000	
14	10.16		.170946	13395	BV	0.0000	
15	10.29		.139747	10484	VV	0.0000	
16	10.69		.133076	73213	VV	0.0000	
17	10.93		.199732	151227	VV	0.0000	
18	11.35		.119242	15446	VV	0.0000	
19	11.66		.154092	195570	VV	0.0000	
20	12.00		.136336	23368	VV	0.0000	
21	12.13		.134898	26041	VV	0.0000	
22	12.38		.172611	22708	VB	0.0000	
23	<u>13.35</u>		.210335	<u>161129</u>	PV	0.0000	
24	14.85		.191781	89542	BV	0.0000	
25	15.08		.164115	66643	VV	0.0000	
26	15.27		.192260	33167	VV	0.0000	
27	16.18		.144003	10068	PV	0.0000	
28	16.38		.159897	29606	VV	0.0000	
29	16.65	16.65	.225169	84262	VV	.0954	<del>delta-BHC</del>
30	17.34		.259895	406457	VV	0.0000	
31	18.34		.208070	69221	VV	0.0000	
32	<u>18.82</u>		.294164	<u>507751</u>	VV	0.0000	
33	19.54		.357235	229522	VV	0.0000	
34	20.56	20.50	.234648	38250	PV	.0310	<del>gamma-Chlordane</del>
35	21.09	21.03	.284302	135625	VV	.1075	<del>alpha-Chlordane</del>
36	22.14		.358363	415993	PV	0.0000	
37	<u>22.84</u>		.243451	<u>884581</u>	VV	0.0000	
38	23.23	23.16	.365426	414040	VB	.3765	<del>Dieldrin</del>
39	24.06		.219221	994303	BB	0.0000	

03/11/95  
ZM

## IEA Pesticide Standard Report

k#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	<u>24.87</u>		.240315	<u>390298</u>	BV	0.0000	
41	25.36		.215848	218395	VV	0.0000	
42	25.85		.203403	1191092	VV	0.0000	
43	26.62		.283213	629222	VV	0.0000	
44	27.02		.273380	832162	VB	0.0000	
45	<u>28.14</u>	28.22	.287014	<u>1886790</u>	BV	1.5115	<del>Endosulfan II</del>
46	<u>28.41</u>		.168972	<u>811735</u>	VV	0.0000	
47	28.69		.165406	486914	VB	0.0000	
48	29.28	29.22	.169228	51373	BV	.0788	4,4'-DDT
49	29.59		.144339	127065	VV	0.0000	
50	29.74		.093714	26581	VV	0.0000	
51	<u>30.26</u>		.169628	<u>995307</u>	PV	0.0000	
52	30.55		.190124	534541	VV	0.0000	
53	30.78	30.73	.159966	282731	VV	.3569	<del>Endrin aldehyde</del>
54	31.14		.190764	32673	VB	0.0000	
55	31.53		.155744	233423	BV	0.0000	
56	<u>31.94</u>		.177488	<u>2011057</u>	VV	0.0000	
57	32.56	32.54	.152737	14053	VV	.0206	<del>Endosulfan sulfate</del>
58	32.82		.177188	100181	VV	0.0000	
59	33.40	#33.33	.177794	570589	VV	.8442	Dibutyl Chlorendate
60	33.48		.113355	343735	VV	0.0000	
61	<u>33.77</u>		.179445	<u>1415352</u>	VB	0.0000	03/11/93
62	34.32		.149143	8063	BV	0.0000	
63	34.55	34.55	.161564	25152	VV	.0250	<del>Endrin ketone</del>
64	34.95		.235148	53917	VV	0.0000	
65	35.14		.173581	7634	VB	0.0000	
66	35.55		.182599	288526	BV	0.0000	
67	36.15		.247307	201176	VV	0.0000	
68	36.46		.191935	140724	VV	0.0000	
69	36.82		.169128	635213	VV	0.0000	
70	37.12		.187168	115204	VV	0.0000	
71	37.54		.341056	183683	VV	0.0000	
72	38.02		.267891	329455	VV	0.0000	
73	38.21		.229730	126227	VV	0.0000	
74	38.97		.743567	556352	VV	0.0000	
75	39.81		.342965	241989	VV	0.0000	
76	40.37		.372510	192458	VB	0.0000	
77	42.96		.353490	59044	VV	0.0000	

Total Area : 23062896 Total PPB : 3.447

Report Time : 2154 04Mar1993  
Method : /DATA/LOOP/METHOD/B4116\_031.MT  
Result File : /DATA/LOOP/RESULT/B4116031.RES

## IEA Pesticide Standard Report

Sample Name : 0148013 MW-46 Report No : 218.21  
 Result File : /DATA/LOOP/RESULT/B1228013.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0520 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 13 Bottle no. : 13

% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.12		.074250	59770	BV	0.0000	
2	5.18		.065757	31637	VV	0.0000	
3	5.40		.084675	85355	PV	0.0000	
4	5.56		.057823	145363	VV	0.0000	
5	5.65		.160813	971286	VV	0.0000	
6	6.49		.115559	126936	PV	0.0000	
7	7.12		.139203	30084	PV	0.0000	
8	7.32		.089723	49665	PV	0.0000	
9	7.48		.081702	250912	VV	0.0000	
10	7.66		.104823	2222017	VB	0.0000	
11	8.04		.090992	46053	BV	0.0000	
12	8.26		.107829	203347	VV	0.0000	
13	8.88		.168077	172175	PV	0.0000	
14	9.11		.097840	55240	VV	0.0000	
15	9.33		.227272	96198	VV	0.0000	
16	9.73		.186462	1545151	VV	0.0000	
17	10.36		.162716	137518	VV	0.0000	
18	10.74		.115192	296916	VV	0.0000	
19	10.90		.098738	42827	VV	0.0000	
20	11.21		.115807	114180	VV	0.0000	
21	11.46		.108820	368991	VV	0.0000	
22	12.27		.147961	525564	VV	0.0000	
23	12.65		.169146	67045	VV	0.0000	
24	12.98		.130142	66101	VV	0.0000	
25	13.25		.133218	34943	VV	0.0000	
26	13.70		.102530	91443	VV	0.0000	
27	13.85		.115872	176195	VV	0.0000	
28	14.05		.118832	340660	VV	0.0000	
29	14.50		.127499	52609	PV	0.0000	
30	14.64		.121631	39719	VV	0.0000	
31	15.09		.114343	1305570	VV	0.0000	
32	15.34		.120277	67768	VV	0.0000	
33	15.58		.122233	43903	VV	0.0000	
34	15.90		.170785	206008	VV	0.0000	
35	16.39		.098726	42467	PV	0.0000	
36	16.56		.109482	81359	VV	0.0000	
37	16.84		.094370	173420	PV	0.0000	
38	17.03		.175110	607947	VV	0.0000	
39	18.12		.052660	13787	BV	0.0000	

## IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	18.29		.118240	218468	VV	0.0000	
41	18.51		.132672	88161	VV	0.0000	
42	18.71		.109229	53145	VV	0.0000	
43	19.02		.119905	627721	PV	0.0000	
44	19.15		.088013	151015	VV	0.0000	
45	19.35		.106144	82305	VV	0.0000	
46	20.26	20.25	.112091	351788	VV	.1355	<del>beta-BHC</del>
47	20.48		.118191	66476	PV	0.0000	
48	20.73		.123649	33930	PV	0.0000	
49	21.02		.146492	57457	VB	0.0000	
50	21.40		.129094	234187	BV	0.0000	
51	21.59		.113961	442813	VV	0.0000	
52	21.90	21.84	.141392	88977	VV	.0146	Heptachlor
53	22.05	22.07	.079078	27676	VV	.0060	<del>delta-BHC</del>
54	22.20		.123789	67150	VV	0.0000	
55	22.38		.086513	16088	VV	0.0000	
56	22.81		.089220	197238	BV	0.0000	
57	22.94		.112399	96546	VV	0.0000	
58	23.25	23.28	.119660	549482	VV	.1141	Aldrin
59	23.50		.079154	47193	PV	0.0000	
60	23.70		.140092	125439	VV	0.0000	
61	23.89		.127263	598850	VV	0.0000	
62	24.14		.150174	142447	VV	0.0000	
63	24.54		.078432	3523844	BS	0.0000	
64	24.78		.064310	17278	BV	0.0000	
65	24.93		.068846	1065985	VV	0.0000	
66	25.05		.056728	64034	VV	0.0000	
67	25.20	25.31	.091617	189770	PB	.0438	<del>Heptachlor epoxide</del>
68	25.43		.076076	542018	BV	0.0000	
69	25.55		.054966	51782	VB	0.0000	
70	25.72		.073245	626305	BB	0.0000	
71	25.92	25.94	.131697	1669363	BV	.4838	gamma-Chlordane
72	26.07		.108481	2033967	VV	0.0000	
73	26.29		.100805	908015	VV	0.0000	
74	26.38	26.42	.064331	361961	VB	.1082	<del>alpha-Chlordane</del>
75	26.60	26.48	.130919	290724	BV	.0881	Endosulfan I
76	26.75		.101649	64864	VV	0.0000	
77	26.94		.057407	166066	PV	0.0000	
78	27.03	27.10	.117061	303536	VV	.0975	4,4'-DDE
79	27.21		.086173	384241	VV	0.0000	
80	27.38	27.37	.088770	911649	VV	.2511	Dieldrin
81	27.57		.141431	2657144	VV	0.0000	
82	27.77		.101713	718605	VB	0.0000	
83	28.04		.094311	3544783	BV	0.0000	
84	28.21	28.32	.077089	621771	VV	.2556	Endrin
85	28.39		.075533	3480757	GS	0.0000	
86	28.60	28.62	.075275	187085	BT	.0858	4,4'-DDD
87	28.91	28.83	.096688	4754588	GS	1.7329	Endosulfan II
88	29.12		.097447	1543521	HS	0.0000	
89	29.20		.076591	821002	HS	0.0000	
90	29.42	29.52	.093266	2605520	HS	1.0048	4,4'-DDT
91	29.54		.088774	4041940	GS	0.0000	
92	29.72	29.71	.083805	2696844	HS	1.1409	Endrin aldehyde
93	29.91		.094123	1608042	HS	0.0000	
94	30.37	30.22	.097599	500191	BV	.3339	Endosulfan sulfate

03/11/93  
JW



## IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
95	30.51		.095209	341721	VB	0.0000	
96	30.85		.118021	3651469	BV	0.0000	
97	31.15		.109526	2011163	VV	0.0000	
98	31.50	#31.53	.151175	7429398	GS	3.3319	Dibutyl Chlorendate
99	31.76		.092635	91418	BT	0.0000	
100	31.86		.112068	111936	VT	0.0000	
101	31.95		.082321	45611	VT	0.0000	
102	32.11		.096716	259865	VT	0.0000	
103	32.48	32.33	.151883	449056	BV	.3122	<u>Methoxychlor</u>
104	32.66		.126913	216510	VV	0.0000	
105	32.81		.142040	290531	VV	0.0000	
106	33.12	32.97	.142315	2120818	VV	.7478	<u>Endrin ketone</u>
107	33.73		.611822	31636844	GV	0.0000	
108	34.53		.127832	168433	VV	0.0000	
109	34.91		.163379	590415	BV	0.0000	
110	35.68		.171035	920002	PV	0.0000	
111	36.14		.169355	2356368	VV	0.0000	
112	36.55		.183860	121330	VB	0.0000	
113	37.75		.172217	75756	VV	0.0000	
114	38.33		.175759	140971	VV	0.0000	
115	38.58		.218258	435126	VV	0.0000	
116	40.00		.202556	158133	PV	0.0000	
117	40.90		.290712	227751	BV	0.0000	
118	41.30		.281131	520123	VV	0.0000	
119	42.23		.336029	373349	BV	0.0000	
120	44.43		.297943	298744	BV	0.0000	
121	46.21		.279055	14075418	GS	0.0000	

Total Area : 127428160 Total PPB : 10.289

Report Time : 1502 11Mar1993  
Method : /DATA/LOOP/METHOD/B1228.MTH  
Result File : /DATA/LOOP/RESULT/B1228013.RES

ID  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KW-35

870

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDS No.: 2048

Matrix: (soil/water) WATER

Lab Sample ID: 0148014

Sample wt/vol: 980. (g/mL) mL

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 02/10/93

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_

Date Extracted: 02/11/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 03/09/93

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

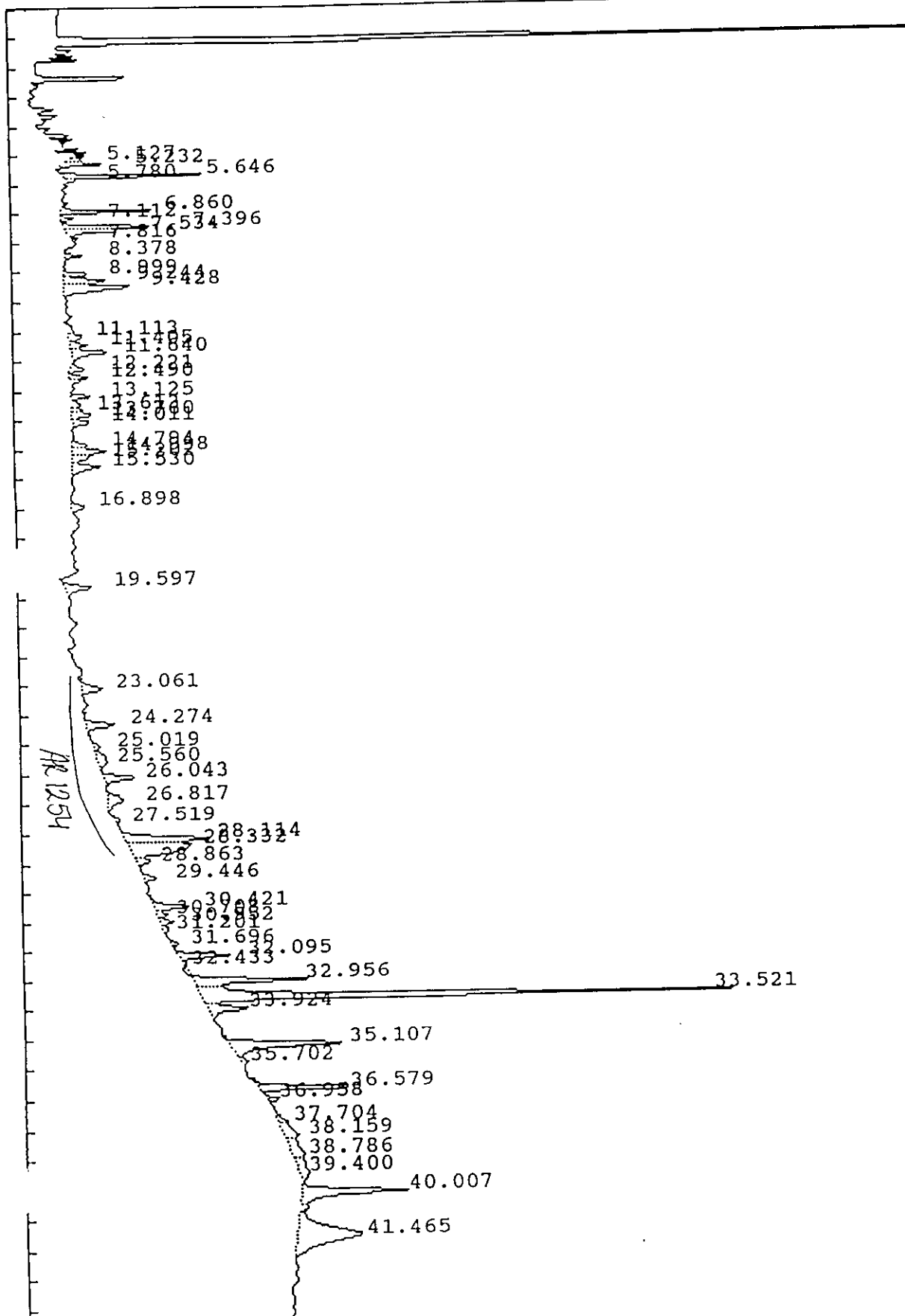
Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	R
12674-11-2	Aroclor-1016	0.066	U
11104-28-2	Aroclor-1221	0.066	U
11141-16-5	Aroclor-1232	0.066	U
53469-21-9	Aroclor-1242	0.066	U
12672-29-6	Aroclor-1248	0.066	U
11097-69-1	Aroclor-1254	0.069	
11096-82-5	Aroclor-1260	0.066	U

## IEA Pesticide Standard Report

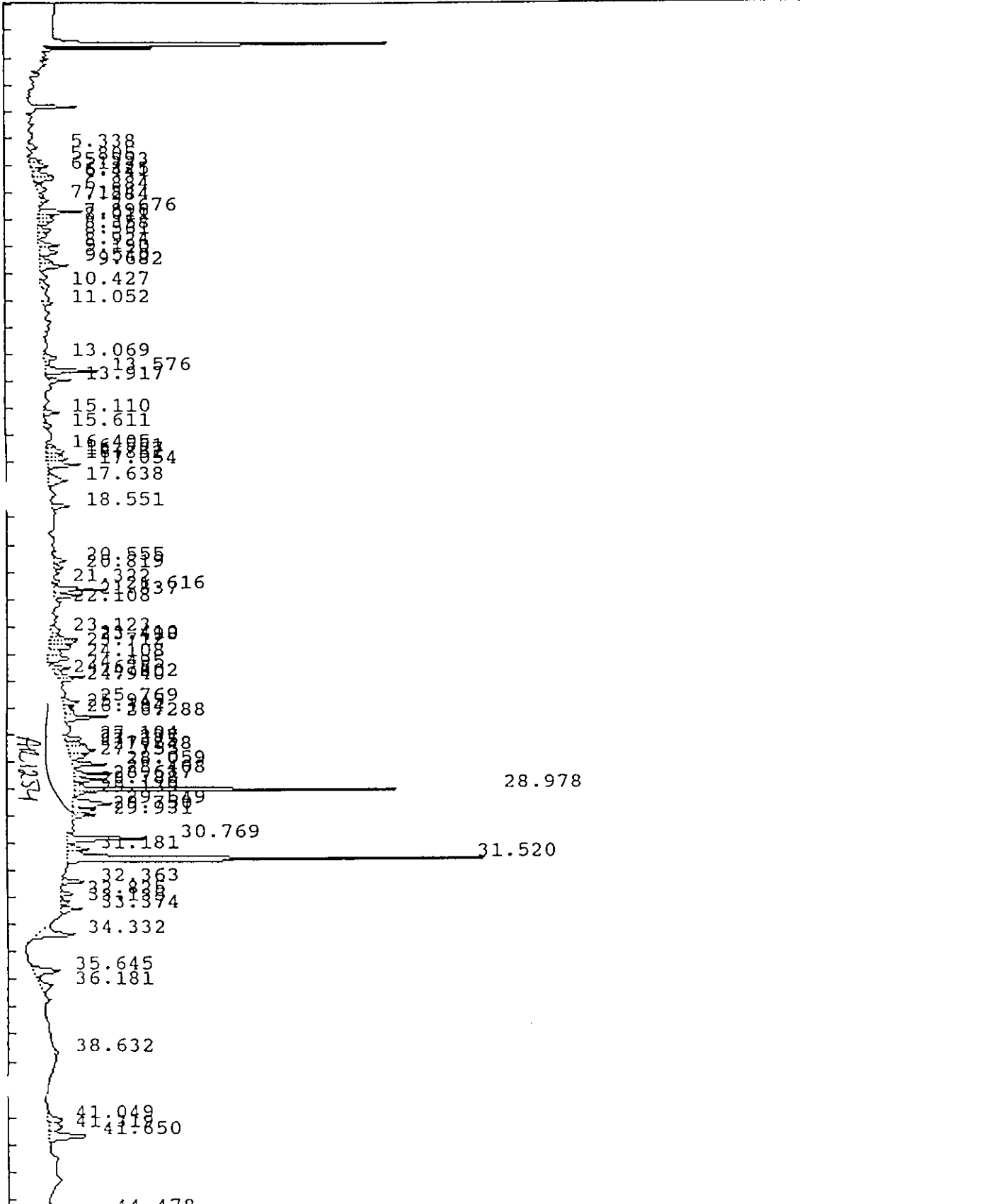
Sample Name : 0148014 MW-35 ACID C/U  
 Result File : /DATA/LOOP/RESULT/B4118021.RES  
 Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1307 09Mar1993  
 INSTRUMENT: HP58904B  
 Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0148014 MW-35 ACID C/U Inj on 2252 08Mar1993  
Result File : /HP58901B/B1227015.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148014 MW-35 ACID C/U Report No :192.11  
 Result File : /DATA/LOOP/RESULT/B4118021.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1307 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 21 Bottle no. : 21

% Dil-Fact  
100.00

Run Status : RunStatusOK  
EndOffBaseline

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.13		.054032	5773	BV	0.0000	
2	5.23		.093851	23266	VV	0.0000	
3	5.65		.074156	94269	PV	0.0000	
4	5.78		.075473	6737	VV	0.0000	
5	6.86		.075268	55623	VV	0.0000	
6	7.11		.088325	9410	PV	0.0000	
7	7.40		.105245	71972	PV	0.0000	
8	7.53		.113968	42658	VV	0.0000	
9	7.82		.080239	5184	PB	0.0000	
10	8.38		.084420	11012	PB	0.0000	
11	9.00		.073120	17985	VV	0.0000	
12	9.24		.160085	42646	VV	0.0000	
13	9.43		.189211	86773	VV	0.0000	
14	11.11		.146049	15346	VV	0.0000	
15	11.41		.145541	17203	VV	0.0000	
16	11.64		.155976	40662	VB	0.0000	
17	12.22		.152159	15373	BV	0.0000	
18	12.49		.108773	14210	PV	0.0000	
19	13.12		.137402	18510	PV	0.0000	
20	13.61		.110114	8448	VV	0.0000	
21	13.76		.141967	20437	VV	0.0000	
22	14.01		.158184	18603	VB	0.0000	
23	14.79		.140221	14255	BV	0.0000	
24	15.00		.175128	38092	VV	0.0000	
25	15.20		.180668	19819	VV	0.0000	
26	15.53		.222512	39815	VB	0.0000	
27	16.90	16.86	.192722	17220	BV	.0172	delta-BHC
28	19.60		.215914	38779	PB	0.0000	
29	<u>23.06</u>		.190787	<u>25651</u>	<u>BB</u>	0.0000	
30	<u>24.27</u>		.183657	<u>34749</u>	<u>BV</u>	0.0000	
31	<u>25.02</u>	24.96	.231738	<u>9855</u>	<u>PV</u>	.0114	Endrin
32	25.56		.468425	25259	VV	0.0000	
33	<u>26.04</u>		.190588	<u>40659</u>	<u>PB</u>	0.0000	
34	26.82		.316643	34554	BV	0.0000	
35	27.52		.240382	7359	PV	0.0000	
36	28.11		.197291	107736	BV	0.0000	
37	<u>28.33</u>	28.41	.355449	<u>143749</u>	<u>VV</u>	.1048	Endosulfan II
38	28.86		.195647	20716	VB	0.0000	
39	29.45	29.41	.161055	13452	BV	.0202	4,4'-DDT

05/11/93  
Jr

10  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NW-47 903

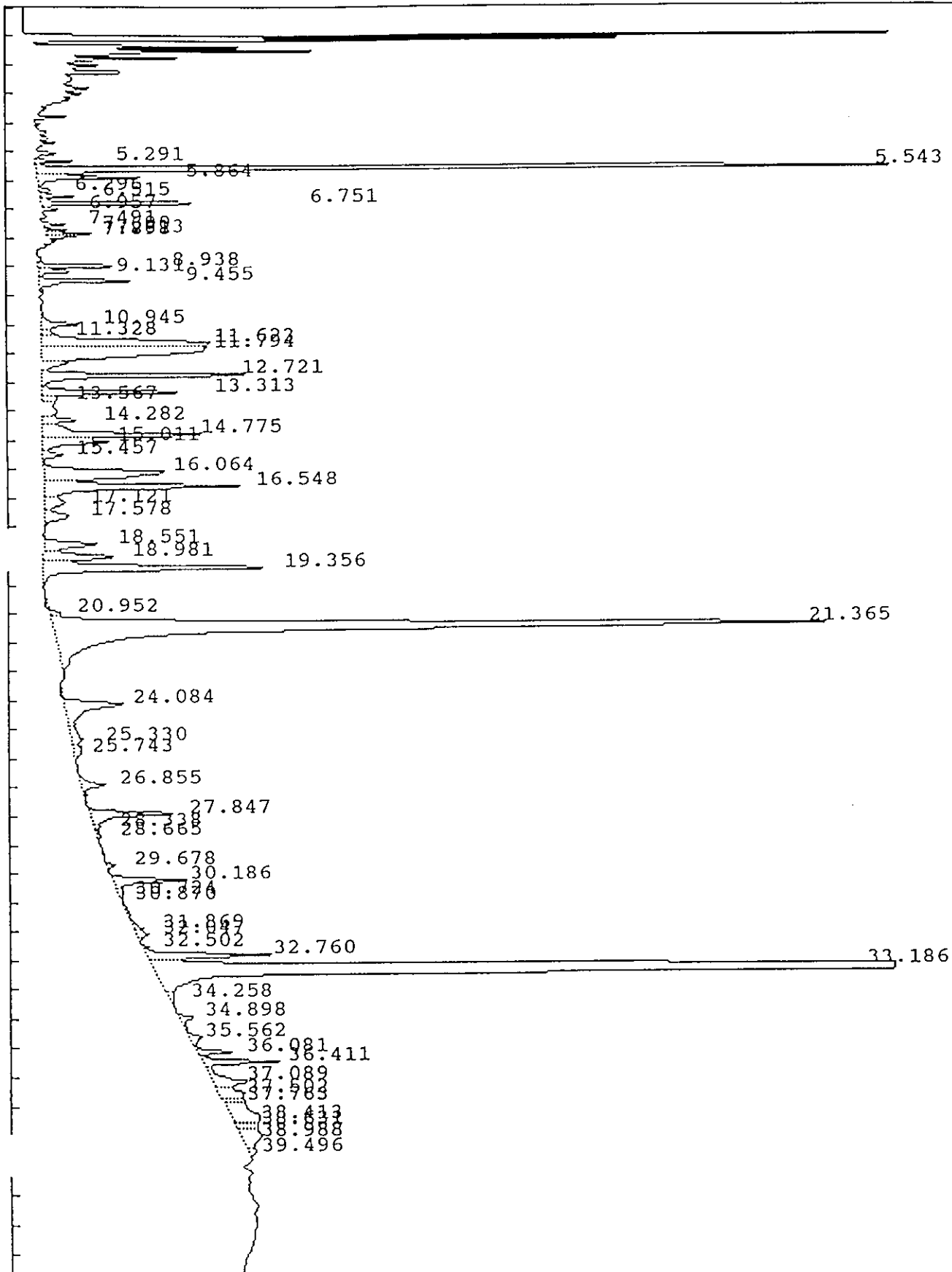
Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDS No.: 20148  
 Matrix: (soil/water) WATER Lab Sample ID: 0148020  
 Sample wt/Vol: 980. (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LEW Date Received: 02/10/93  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 02/11/93  
 Extraction: (SepF/Cont/Sond) SEPF Date Analyzed: 03/03/93  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.066	U
11104-28-2	Aroclor-1221	0.066	U
11141-16-5	Aroclor-1232	0.066	U
53469-21-9	Aroclor-1242	0.066	U
12672-29-6	Aroclor-1248	0.066	U
11097-69-1	Aroclor-1254	0.066	U
11096-62-5	Aroclor-1260	0.066	U

IEA Pesticide Standard Report

Sample Name : 0148020 MW-47  
 Result File : /DATA/LOOP/RESULT/B4116040.RES  
 Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0507 03Mar1993  
 INSTRUMENT: HP58904B  
 Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148020 MW-47 Report No : 94.01  
 Result File : /DATA/LOOP/RESULT/B4116040.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0507 03Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 40 Bottle no. : 40

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.29		.068122	20607	PV	0.0000	
2	5.54		.074289	1093047	VV	0.0000	
3	5.86		.097006	81583	VV	0.0000	
4	6.30		.115861	9645	VV	0.0000	
5	6.52		.077481	19842	VV	0.0000	
6	6.75		.078744	122006	VV	0.0000	
7	6.96		.068349	8830	VV	0.0000	
8	7.49		.089749	13579	BV	0.0000	
9	7.69		.066750	11526	PV	0.0000	
10	7.81		.083136	26197	VV	0.0000	
11	7.90		.074104	14812	VV	0.0000	
12	8.94		.088571	59140	VV	0.0000	
13	9.13		.100240	28677	VV	0.0000	
14	9.45		.101218	78432	VB	0.0000	
15	10.94		.166745	45114	BV	0.0000	
16	11.33		.162128	18789	VV	0.0000	
17	11.62		.243264	259730	VV	0.0000	
18	11.79		.369563	377246	VV	0.0000	
19	12.72		.128258	203688	VV	0.0000	
20	13.31		.126535	131708	VV	0.0000	
21	13.57	13.51	.125237	12631	VV	.0102	Aldrin
22	14.28		.143527	34529	VV	0.0000	
23	14.77		.178233	195959	VV	0.0000	
24	15.01		.186590	79253	VV	0.0000	
25	15.46		.162870	21282	VV	0.0000	
26	16.06		.306191	241316	VV	0.0000	
27	16.55		.202803	256411	VV	0.0000	
28	17.12		.297207	40528	VV	0.0000	
29	17.58		.280517	42996	VB	0.0000	
30	18.55		.220889	74367	BV	0.0000	
31	18.98		.217687	98688	VV	0.0000	
32	19.36		.198293	293853	VV	0.0000	
33	20.95	21.03	.113821	7506	PV	.0059	alpha-Chlordane
34	21.36		.322618	1582870	VB	0.0000	
35	24.08		.340904	127324	BV	0.0000	
36	25.33		.437663	31657	VV	0.0000	
37	25.74		.393773	20720	VV	0.0000	
38	26.86		.217832	35271	PV	0.0000	
39	27.85		.204459	113957	PV	0.0000	

03/11/93  
JW



IEA Pesticide Standard Report

%#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	28.34	28.26	.157548	5981	VV	.0074	4,4'-DDB
41	28.67		.209546	4788	VV	0.0000	
42	29.68		.162473	10172	VV	0.0000	
43	30.19		.187773	90222	PV	0.0000	
44	30.72	30.73	.264966	8637	VV	.0109	Endrin-aldehyde
45	30.87		.124272	2390	VV	0.0000	
46	31.87		.286503	17246	VV	0.0000	
47	32.05		.172882	14623	VV	0.0000	
48	32.50	32.54	.107905	5018	PV	.0073	Endosulfan sulfate
49	32.76		.156011	128772	VV	0.0000	
50	33.19		.219456	2788613	VV	0.0000	DBU 03/11/93 JL
51	34.26		.351317	12579	VV	0.0000	
52	34.90		.182303	18576	VV	0.0000	
53	35.56		.254122	21941	VV	0.0000	
54	36.08		.128460	31723	VV	0.0000	
55	36.41		.139944	72424	VV	0.0000	
56	37.09		.316121	76602	VV	0.0000	
57	37.50		.298015	49747	VV	0.0000	
58	37.76		.133810	19671	VV	0.0000	
59	38.41		.636221	111701	VV	0.0000	
60	38.63		.190170	27936	VV	0.0000	
61	38.99		.485097	62276	VV	0.0000	
62	39.50		.220030	11621	VV	0.0000	

Total Area : 9528580 Total PPB : .042

Report Time : 1116 05Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /DATA/LOOP/RESULT/B4116040.RES

8D  
PESTICIDE EVALUATION STANDARDS SUMMARY

907

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 0148  
 Instrument ID: GC4B GC Column ID: DE-1701  
 Dates of Analyses: 03/01/93 to 03/03/93

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	%RSD ( $\leq$ 10.0%)
Aldrin	11279160	11769100	11875090	2.7
Endrin	9897840	9917390	9894190	0.1
4,4'-DDT	6663320	6435392	6654996	2.0 (1)
DBC	6971960	6409400	6371580	5.1

(1) If  $> 10.0\%$  RSD, plot a standard curve and determine the ng for each sample in that set from the curve.

Evaluation Check for 4,4'-DDT/Endrin Breakdown  
(percent breakdown expressed as total degradation)

	DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
INITIAL					
01: EVAL MIX B	03/01/93	19:17	7.3	5.8	
02: EVAL MIX B	03/02/93	09:38	1.2	11.9	
03: EVAL MIX B	03/02/93	22:03	4.8	9.6	
04: EVAL MIX B	03/03/93	12:36	5.6	13.9	
05: EVAL MIX B					
06: EVAL MIX B					
07: EVAL MIX B					
08: EVAL MIX B					
09: EVAL MIX B					
10: EVAL MIX B					
11: EVAL MIX B					
12: EVAL MIX B					
13: EVAL MIX B					
14: EVAL MIX B					

(2) See Form instructions.

8E  
 PESTICIDE EVALUATION STANDARDS SUMMARY  
 Evaluation of Retention Time Shift for Dibutylchloroendate

908

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDS No.: 0148

Instrument ID: GC4B

GC Column ID: DB-1701

Dates of Analysis: 03/01/93 to 03/03/93

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01	EVALA		03/01/93	18:23	0.0	___
02	EVALB		03/01/93	19:17	0.2	___
03	EVALC		03/01/93	20:10	0.1	___
04	INDA		03/01/93	21:04	0.2	___
05	INDB		03/01/93	21:58	0.3	___
06	TOXAPH		03/01/93	22:52	0.3	___
07	AR1660		03/01/93	23:46	0.3	___
08	AR1221		03/02/93	00:39	0.3	___
09	AR1232		03/02/93	01:33	0.2	___
10	AR1242		03/02/93	02:27	0.2	___
11	AR1248		03/02/93	03:21	0.2	___
12	AR1254		03/02/93	04:15	0.2	___
13	<u>PAK 00</u>	0210-B05	03/02/93	05:09	0.1	___
14	MHW-5	0148001	03/02/93	06:02	0.1	___
15	MHW-3	0148002	03/02/93	06:56	0.1	___
16	MHW-7	0148003	03/02/93	07:50	0.4	___
17	MHW-6	0148004	03/02/93	08:44	0.2	___
18	EVALB		03/02/93	09:38	0.2	___
19	FIELD BLANK	0148006	03/02/93	10:32	0.3	___
20	MW-27	0148008	03/02/93	11:26	0.0	*
21		0211-B08	03/02/93	12:19	0.4	___
22	MSB MW-45	0148009MSB	03/02/93	13:13	0.4	___
23	MW-45STD	0148009STD	03/02/93	14:06	0.4	___
24	INDB		03/02/93	16:31	0.3	___
25	MW-45	0148009	03/02/93	17:37	0.4	___
26	MHW-1	0148010	03/02/93	18:30	0.4	___
27	MW-43	0148011	03/02/93	19:24	0.4	___
28	MW-44	0148012	03/02/93	20:17	0.4	___
29	MW-46	0148013	03/02/93	21:10	0.4	___
30	EVALB		03/02/93	22:03	0.4	___
31	MW-35	0148014	03/02/93	22:56	0.4	___
32	MHW-2	0148016	03/02/93	23:49	0.0	___
33	REPLICATE	0148017	03/03/93	00:42	0.4	___
34	MW-1	0148018	03/03/93	01:35	0.3	___
35	MW-23	0148019	03/03/93	02:28	0.3	___
36	INDA		03/03/93	04:14	0.2	___
37	MW-47	0148020	03/03/93	05:07	0.2	___
38	MSB MW-45	0148009MSBX	03/03/93	06:00	0.2	___

\* Values outside of QC limits (2.0% for packed columns  
 0.3% for capillary columns)

8E  
PESTICIDE EVALUATION STANDARDS SUMMARY  
Evaluation of Retention Time Shift for Dibutylchloroendate

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDG No.: 0148

Instrument ID: GC4B

GC Column ID: DB-1701

Dates of Analysis: 03/01/93 to 03/03/93

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01	MW-45MS	0148009MS	03/03/93	06:53	0.2	___
02	MW-45MSD	0148009MSD	03/03/93	09:10	0.2	___
03	MW-4B	0148021	03/03/93	10:03	0.1	___
04	EVALB		03/03/93	12:36	0.3	___
05	MW-27	0148008	03/03/93	13:38	0.3	___
06	FBW 2/9/93	0148023	03/03/93	14:39	0.4	___
07	MHW-8	0148024	03/03/93	15:32	0.8	___
08	MW-27	0148008	03/03/93	17:00	0.5	___
09	INDB		03/03/93	18:51	0.4	___
10	INDA		03/03/93	19:45	0.4	___
11						___
12						___
13						___
14						___
15						___
16						___
17						___
18						___
19						___
20						___
21						___
22						___
23						___
24						___
25						___
26						___
27						___
28						___
29						___
30						___
31						___
32						___
33						___
34						___
35						___
36						___
37						___
38						___

\* Values outside of QC limits (2.0% for packed columns;  
0.3% for capillary columns)

8D  
PESTICIDE EVALUATION STANDARDS SUMMARY

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 0148  
 Instrument ID: GC4B GC Column ID: DB-1701  
 Dates of Analyses: 03/08/93 to 03/10/93

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	%RSD (</= 10.0%)
Aldrin	12896160	12674920	12472700	1.7
Endrin	10336660	9967950	9538995	4.0
4,4'-DDT	6477584	6612324	6687992	1.6
DBC	7721300	7079470	6544960	8.3

(1) If > 10.0% RSD, plot a standard curve and determine the ng for each sample in that set from the curve.

Evaluation Check for 4,4'-DDT/Endrin Breakdown  
(percent breakdown expressed as total degradation)

	DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
INITIAL					
01: EVAL MIX B	03/08/93	20:45	7.4	14.2	
02: EVAL MIX B	03/09/93	09:32	7.1	12.0	
03: EVAL MIX B	03/09/93	21:15	6.1	11.5	
04: EVAL MIX B					
05: EVAL MIX B					
06: EVAL MIX B					
07: EVAL MIX B					
08: EVAL MIX B					
09: EVAL MIX B					
10: EVAL MIX B					
11: EVAL MIX B					
12: EVAL MIX B					
13: EVAL MIX B					
14: EVAL MIX B					

(2) See Form instructions.

8E  
 PESTICIDE EVALUATION STANDARDS SUMMARY  
 Evaluation of Retention Time Shift for Dibutylchlorodate

911

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 0148  
 Instrument ID: GC4E GC Column ID: DB-1701  
 Dates of Analysis: 03/08/93 to 03/10/93

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01	EVALA		03/08/93	19:52	0.0	
02	EVALB		03/08/93	20:45	0.1	
03	EVALC		03/08/93	21:39	0.1	
04	INDA		03/08/93	22:32	0.1	
05	INDE		03/08/93	23:25	0.2	
06	TOXAPH		03/09/93	00:18	0.3	
07	AR1660		03/09/93	01:11	0.3	
08	AR1242		03/09/93	02:04	0.2	
09	AR1248		03/09/93	02:57	0.2	
10	AR1254		03/09/93	03:50	0.2	
11		0301-B07	03/09/93	04:43	0.2	
12		0204019	03/09/93	05:36	0.2	
13		0204020	03/09/93	06:29	0.2	
14		0204021	03/09/93	07:23	0.2	
15		0211-B09	03/09/93	08:39	0.2	
16	EVALB		03/09/93	09:32	0.1	
17	MHW-8	0148024	03/09/93	10:27	0.5	
18	MHW-8	0148024	03/09/93	11:21	0.6	
19	MHW-1	0148010 <i>Acid cu</i>	03/09/93	12:14	0.2	
20	MW-35	0148014	03/09/93	13:07	0.2	
21	MHW-2	0148016 ↓	03/09/93	14:01	0.3	
22	INDB		03/09/93	14:54	0.3	
23	PBUK 06	0211-B09	03/09/93	16:40	0.0	
24	PBUK 07	0211-B09 <i>ACID cu</i>	03/09/93	17:33	0.1	
25		0204022	03/09/93	18:26	0.2	
26		0204023	03/09/93	19:19	0.2	
27		0204024	03/09/93	20:12	0.3	
28	EVALB		03/09/93	21:15	0.2	
29		0204025	03/09/93	21:59	0.1	
30		0204026	03/09/93	22:52	0.1	
31		0204027	03/09/93	23:45	0.1	
32		0204028	03/10/93	00:38	0.1	
33		0301-B07FMS	03/10/93	01:31	0.1	
34	INDA		03/10/93	03:17	0.2	
35	INDB		03/10/93	08:57	0.2	
36						
37						
38						

*VM*  
3/16/93

\* Values outside of QC limits (2.0% for packed columns  
 0.3% for capillary columns)

80  
 PESTICIDE EVALUATION STANDARDS SUMMARY

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 0148  
 Instrument ID: GC1B GC Column ID: RTX-35  
 Dates of Analyses: 03/08/93 to 03/09/93

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	%RSD (</= 10.0%)
Aldrin	39139120	41205500	38719050	3.4
Endrin	26665340	27222620	24789160	4.9
4,4'-DDT	25141680	24194652	15668024	24.1 (1)
DBC	20214700	20634190	18873750	4.6

(1) If > 10.0% RSD, plot a standard curve and determine the ng for each sample in that set from the curve.

Evaluation Check for 4,4'-DDT/Endrin Breakdown  
 (percent breakdown expressed as total degradation)

	DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
INITIAL					
01: EVAL MIX B	03/08/93	12:05	2.0	2.2	
02: EVAL MIX B	03/08/93	23:46	1.9	2.4	
03: EVAL MIX B					
04: EVAL MIX B					
05: EVAL MIX B					
06: EVAL MIX B					
07: EVAL MIX B					
08: EVAL MIX B					
09: EVAL MIX B					
10: EVAL MIX B					
11: EVAL MIX B					
12: EVAL MIX B					
13: EVAL MIX B					
14: EVAL MIX B					

(2) See Form instructions.

8E  
 PESTICIDE EVALUATION STANDARDS SUMMARY  
 Evaluation of Retention Time Shift for Dibutylchloroendate

913

Lab Name: IEA Contract: \_\_\_\_\_

Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 0148

Instrument ID: GC1B GC Column ID: RTX-35

Dates of Analysis: 03/08/93 to 03/09/93

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*	
01	EVALA	03/08/93	11:11	0.0	___	
02	EVALB	03/08/93	12:05	0.0	___	
03	EVALC	03/08/93	12:58	0.1	___	
04	INDA	03/08/93	13:51	0.1	___	
05	INDB	03/08/93	14:45	0.1	___	
06	AR1660	03/08/93	15:39	0.1	___	
07	AR1242	03/08/93	16:34	0.1	___	
08	AR1242	03/08/93	17:28	0.1	___	
09	AR1254	03/08/93	18:22	0.1	___	
10	<u>PBU06</u>	0211-B09	03/08/93	19:16	0.1	___
11	<del>MHW-8</del>	0148024	03/08/93	20:10	0.1	___
12	<del>MHW-8</del>	0148024	03/08/93	21:04	0.1	___
13	MHW-1	0148010	03/08/93	21:58	0.0	___
14	MW-35	0148014	03/08/93	22:52	0.0	___
15	EVALB		03/08/93	23:46	0.1	___
16	MHW-2	0148016	03/09/93	00:40	0.1	___
17	<u>PBU00</u>	0210-B05	03/09/93	01:34	0.0	___
18	MHW-3	0148002	03/09/93	02:28	0.0	___
19	MHW-7	0148003	03/09/93	03:22	0.0	___
20	MHW-6	0148004	03/09/93	04:16	0.0	___
21	INDB		03/09/93	06:04	0.0	___
22	FIELD BLANK	0148006	03/09/93	06:58	0.0	___
23	<u>PBU07</u>	0211-B09	03/09/93	07:52	0.0	___
24	MW-46	0148013	03/09/93	08:16	0.0	___
25	INDA		03/09/93	10:23	0.0	___
26	INDB		03/09/93	11:17	0.1	___
27	AR1660		03/09/93	12:11	0.1	___
28	AR1242		03/09/93	13:05	0.1	___
29	AR1248		03/09/93	13:59	0.1	___
30	AR1254		03/09/93	15:10	0.1	___
31						
32						
33						
34						
35						
36						
37						
38						

*van*  
3/16/93

\* Values outside of QC limits (2.0% for packed columns  
 0.3% for capillary columns)



SD  
PESTICIDE EVALUATION STANDARDS SUMMARY

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 0148  
 Instrument ID: GC1B GC Column ID: RTX-35  
 Dates of Analyses: 03/09/93 to 03/10/93

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	%RSD ( $\leq$ 10.0%)
Aldrin	43692240	40464520	38021390	7.0
Endrin	30451060	27836630	24973370	9.9
4,4'-DDT	25428472	22481224	14528426	27.1 (1)
DBC	22334520	20205620	18788970	8.7

(1) If  $> 10.0\%$  RSD, plot a standard curve and determine the ng for each sample in that set from the curve.

Evaluation Check for 4,4'-DDT/Endrin Breakdown  
(percent breakdown expressed as total degradation)

	DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
INITIAL					
01: EVAL MIX B	03/09/93	20:16	1.6	3.3	
02: EVAL MIX B	03/10/93	08:02	2.2	2.8	
03: EVAL MIX B					
04: EVAL MIX B					
05: EVAL MIX B					
06: EVAL MIX B					
07: EVAL MIX B					
08: EVAL MIX B					
09: EVAL MIX B					
10: EVAL MIX B					
11: EVAL MIX B					
12: EVAL MIX B					
13: EVAL MIX B					
14: EVAL MIX B					

(2) See Form instructions.

## PESTICIDE EVALUATION STANDARDS SUMMARY

Evaluation of Retention Time Shift for Dibutylchloroendate

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDG No.: \_\_\_\_\_

Instrument ID: GC1B

GC Column ID: RTX-35

Dates of Analysis: 03/09/93 to 03/10/93

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01	EVALA		03/09/93	19:23	0.0	
02	EVALB		03/10/93	20:16	0.0	
03	EVALC		03/10/93	21:10	0.0	
04	INDA		03/09/93	22:09	0.0	
05	INDB		03/09/93	23:03	0.0	
06	AR1660		03/09/93	23:57	0.0	
07	AR1242		03/10/93	00:51	0.1	
08	AR1248		03/10/93	01:45	0.1	
09	AR1254		03/10/93	02:39	0.1	
10	FIELD BLANK	0148006	03/10/93	03:33	0.0	
11	PBU06	0211-B09	03/10/93	04:27	0.1	
12	MW-46	0148013	03/10/93	05:02	0.1	
13	PBU04	0211-B09 ACIDy	03/10/93	06:14	0.1	
14	MW-1	0148018	03/10/93	07:08	0.1	
15	EVALB		03/10/93	08:02	0.1	
16	INDB		03/10/93	08:56	0.1	
17	INDA		03/10/93	10:15	0.0	
18	AR1660		03/10/93	11:11	0.0	
19	AR1242		03/10/93	12:04	0.0	
20	AR1248		03/10/93	12:57	0.1	
21	AR1254		03/10/93	13:50	0.0	
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						

\* Values outside of QC limits (2.0% for packed columns;  
0.3% for capillary columns)

9  
PESTICIDE/PCB STANDARDS SUMMARY

916

ab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDG No.: 0148

Instrument ID: GC4B

GC Column ID: DB-1701

DATE(S) OF ANALYSIS	FROM: 03/01/93	DATE OF ANALYSIS	03/02/93
	TO: 03/02/93	TIME OF ANALYSIS	16:31
TIME(S) OF ANALYSIS	FROM: 21:04	EPA SAMPLE NO.	
	TO: 04:15	(STANDARD)	INDB

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	9.99	9.96	10.02	11440900	10.01	11988100	Y	4.8
beta-BHC	15.15	15.10	15.20	6372660	15.18	6781300	Y	6.4
delta-BHC	16.65	16.59	16.71	8832700	16.69	9319500	Y	5.5
gamma-BHC	11.43	11.40	11.46	12745650				
Heptachlor	12.26	12.20	12.32	16432800				
Aldrin	13.52	13.46	13.58	12366050				
Hept. epoxide	17.67	17.58	17.76	12555220				
Endosulfan I	19.97	19.86	20.08	11729160				
Dieldrin	23.16	23.06	23.26	10997640				
4,4'-DDE	22.26	22.15	22.37	9991980	22.30	10539040	Y	5.5
Endrin	24.73	24.65	24.81	8857830	24.76	9218470	Y	4.1
Endosulfan II	28.22	28.14	28.30	12482560				
4,4'-DDD	28.26	28.18	28.34	8127210	28.28	8516920	Y	4.8
Endo. sulfate	32.54	32.46	32.62	6837146	32.56	6813734	Y	0.3
4,4'-DDT	29.22	29.14	29.30	6521795				
Methoxychlor	32.95	32.86	33.04	4264292				
Endrin ketone	34.55	34.49	34.61	10051410	34.57	9768600	Y	2.8
a. Chlordane	21.03	20.93	21.13	12614850	21.09	12962910	Y	2.8
g. Chlordane	20.50	20.39	20.61	12354100	20.56	12668720	Y	2.5
Toxaphene	32.10	31.98	32.22	2211785				
Aroclor-1016	11.97	11.85	12.09	3267832				
Aroclor-1221	8.89	8.80	8.98	718220				
Aroclor-1232	11.96	11.89	12.03	1798365				
Aroclor-1242	11.95	11.85	12.05	2585926				
Aroclor-1248	11.94	11.79	12.09	1852867				
Aroclor-1254	28.06	27.89	28.23	1998904				
Aroclor-1260	31.91	31.72	32.10	4757937				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.

Identification of such analytes is based primarily on pattern recognition.

9  
PESTICIDE/PCB STANDARDS SUMMARY

917

b Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 0148  
 Instrument ID: GC4B GC Column ID: DB-1701

DATE(S) OF ANALYSIS	FROM: 03/01/93	DATE OF ANALYSIS	03/03/93
TO: 03/02/93		TIME OF ANALYSIS	04:14
TIME(S) OF ANALYSIS	FROM: 21:04	EPA SAMPLE NO.	
TO: 04:15		(STANDARD)	INDA

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	9.99	9.96	10.02	11440900				
beta-BHC	15.15	15.10	15.20	6372660				
delta-BHC	16.65	16.59	16.71	8832700				
gamma-BHC	11.43	11.40	11.46	12745650	11.44	13872350	Y	8.8
Heptachlor	12.26	12.20	12.32	16432800	12.27	16810750	Y	2.3
Aldrin	13.52	13.46	13.58	12366050	13.53	13291050	Y	7.5
Hept. epoxide	17.67	17.58	17.76	12555220	17.69	13235120	Y	5.4
Endosulfan I	19.97	19.86	20.08	11729160	19.81	12364820	Y	5.4
Dieldrin	23.16	23.06	23.26	10997640	23.18	11644180	Y	5.9
4,4'-DDE	22.26	22.15	22.37	9991980				
Endrin	24.73	24.65	24.81	8857830				
Endosulfan II	28.22	28.14	28.30	12482560	28.27	13515020	Y	8.3
4,4'-DDD	28.26	28.18	28.34	8127210				
Endo. sulfate	32.54	32.46	32.62	6837146				
4,4'-DDT	29.22	29.14	29.30	6521795	29.23	5771635	Y	11.5
Methoxychlor	32.95	32.86	33.04	4264292	32.96	3984640	Y	6.6
Endrin ketone	34.55	34.49	34.61	10051410				
a. Chlordane	21.03	20.93	21.13	12614850				
g. Chlordane	20.50	20.39	20.61	12354100				
Toxaphene	32.10	31.98	32.22	2211785				
Aroclor-1016	11.97	11.85	12.09	3267832				
Aroclor-1221	8.89	8.80	8.98	718220				
Aroclor-1232	11.96	11.89	12.03	1798365				
Aroclor-1242	11.95	11.85	12.05	2585926				
Aroclor-1248	11.94	11.79	12.09	1852867				
Aroclor-1254	28.06	27.89	28.23	1998904				
Aroclor-1260	31.91	31.72	32.10	4757937				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.

Confirmation of such analytes is based primarily on pattern recognition

9  
PESTICIDE/PCB STANDARDS SUMMARY

918

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDS No.: 0148

Instrument ID: GC4B

GC Column ID: DB-1701

DATE(S) OF ANALYSIS FROM: 03/01/93	DATE OF ANALYSIS 03/03/93
TO: 03/02/93	TIME OF ANALYSIS 18:51
TIME(S) OF ANALYSIS FROM: 21:04	EPA SAMPLE NO.
TO: 04:15	(STANDARD) INDB

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	9.99	9.96	10.02	11440900	10.01	12079900	Y	5.6
beta-BHC	15.15	15.10	15.20	6372660	15.18	6730720	Y	5.6
delta-BHC	16.65	16.59	16.71	8832700	16.69	9284900	Y	5.1
gamma-BHC	11.43	11.40	11.46	12745650				
Heptachlor	12.26	12.20	12.32	16432800				
Aldrin	13.52	13.46	13.58	12366050				
Hept. epoxide	17.67	17.58	17.76	12555220				
Endosulfan I	19.97	19.86	20.08	11729160				
Dieldrin	23.16	23.06	23.26	10997640				
4,4'-DDE	22.26	22.15	22.37	9991980	22.31	10500480	Y	5.1
Endrin	24.73	24.65	24.81	8857830	24.77	9337040	Y	5.4
Endosulfan II	28.22	28.14	28.30	12482560				
4,4'-DDD	28.26	28.18	28.34	8127210	28.29	8599090	Y	5.8
Endo. sulfate	32.54	32.46	32.62	6837146	32.56	6737832	Y	1.5
4,4'-DDT	29.22	29.14	29.30	6521795				
Methoxychlor	32.95	32.86	33.04	4264292				
Endrin ketone	34.55	34.49	34.61	10051410	34.57	9949890	Y	1.0
alpha-Chlordane	21.03	20.93	21.13	12614850	21.09	13132660	Y	4.1
gamma-Chlordane	20.50	20.39	20.61	12354100	20.56	12802550	Y	3.6
Toxaphene	32.10	31.98	32.22	2211785				
Aroclor-1016	11.97	11.85	12.09	3267832				
Aroclor-1221	8.89	8.80	8.98	718220				
Aroclor-1232	11.96	11.89	12.03	1798365				
Aroclor-1242	11.95	11.85	12.05	2585926				
Aroclor-1248	11.94	11.79	12.09	1852867				
Aroclor-1254	28.06	27.89	28.23	1998904				
Aroclor-1260	31.91	31.72	32.10	4757937				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
%D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.

Confirmation of such analytes is based primarily on pattern recognition.

9  
PESTICIDE/PCB STANDARDS SUMMARY

919

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 0148  
 Instrument ID: GC4B GC Column ID: DB-1701

DATE(S) OF FROM: 03/01/93	DATE OF ANALYSIS 03/03/93
ANALYSIS TO: 03/02/93	TIME OF ANALYSIS 19:45
TIME(S) OF FROM: 21:04	EPA SAMPLE NO.
ANALYSIS TO: 04:15	(STANDARD) INDA

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	9.99	9.96	10.02	11440900				
beta-BHC	15.15	15.10	15.20	6372660				
delta-BHC	16.65	16.59	16.71	8832700				
gamma-BHC	11.43	11.40	11.46	12745650	11.47	13884750	Y	8.9
Heptachlor Aldrin	12.26	12.20	12.32	16432800	12.30	16881150	Y	2.7
Hept. epoxide	13.52	13.46	13.58	12366050	13.56	13373100	Y	8.1
Endosulfan I	17.67	17.58	17.76	12555220	17.74	13280680	Y	5.8
Dieldrin	19.97	19.86	20.08	11729160	19.87	12403820	Y	5.8
4,4'-DDE	23.16	23.06	23.26	10997640	23.23	11680860	Y	6.2
Endrin	22.26	22.15	22.37	9991980				
Endosulfan II	24.73	24.65	24.81	8857830				
4,4'-DDD	28.22	28.14	28.30	12482560	28.27	13515020	Y	8.3
Endo. sulfate	28.26	28.18	28.34	8127210				
4,4'-DDT	32.54	32.46	32.62	6837146				
Methoxychlor	29.22	29.14	29.30	6521795	29.27	5550410	Y	14.9
Endrin ketone	32.95	32.86	33.04	4264292	32.99	3788836	Y	11.1
a. Chlordane	34.55	34.49	34.61	10051410				
g. Chlordane	21.03	20.93	21.13	12614850				
Toxaphene	20.50	20.39	20.61	12354100				
Aroclor-1016	32.10	31.98	32.22	2211785				
Aroclor-1221	11.97	11.85	12.09	3267832				
Aroclor-1221	8.89	8.80	8.98	718220				
Aroclor-1232	11.96	11.89	12.03	1798365				
Aroclor-1242	11.95	11.85	12.05	2585926				
Aroclor-1248	11.94	11.79	12.09	1852867				
Aroclor-1254	28.06	27.89	28.23	1998904				
Aroclor-1260	31.91	31.72	32.10	4757937				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.

Identification of such analytes is based primarily on pattern recognition

9  
PESTICIDE/PCB STANDARDS SUMMARY

920

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 0148  
 Instrument ID: GC4B GC Column ID: DE-1701

DATE(S) OF ANALYSIS	FROM: 03/08/93	DATE OF ANALYSIS	03/09/93
	TO: 03/09/93	TIME OF ANALYSIS	14:54
TIME(S) OF ANALYSIS	FROM: 22:32	EPA SAMPLE NO.	
	TO: 03:50	(STANDARD)	INDB

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	10.09	10.06	10.12	10495950	10.12	10497650	Y	0.0
beta-BHC	15.32	15.27	15.37	6781040	15.37	6261020	Y	7.7
delta-BHC	16.86	16.80	16.92	10027700	16.91	8975600	Y	10.5
gamma-BHC	11.55	11.52	11.58	13438700				
Heptachlor	12.39	12.33	12.45	15969550				
Aldrin	13.68	13.62	13.74	13231450				
Hept. epoxide	17.91	17.82	18.00	13214080				
Endosulfan I	20.07	19.96	20.18	12457620				
Dieldrin	23.42	23.32	23.52	11654860				
4,4'-DDE	22.53	22.42	22.64	9603680	22.59	8991460	Y	6.4
Endrin	24.96	24.88	25.04	8644080	25.02	8641660	Y	0.0
Endosulfan II	28.41	28.33	28.49	13715570				
4,4'-DDD	28.45	28.37	28.53	7796900	28.49	7701740	Y	1.2
Endo. sulfate	32.70	32.62	32.78	7219562	32.74	6367986	Y	11.8
4,4'-DDT	29.41	29.33	29.49	6662795				
Methoxychlor	33.11	33.02	33.20	4134260				
Endrin ketone	34.71	34.65	34.77	8944410	34.75	8159530	Y	8.8
a. Chlordane	21.32	21.22	21.42	12697140	21.40	11952630	Y	5.9
g. Chlordane	20.78	20.67	20.89	12252130	20.86	11672380	Y	4.7
Toxaphene	29.81	29.69	29.93	2245002				
Aroclor-1016	12.12	12.00	12.24	2929377				
Aroclor-1221	8.89	8.80	8.98	718220				
Aroclor-1232	11.96	11.89	12.03	1798365				
Aroclor-1242	12.11	12.01	12.21	2379385				
Aroclor-1248	12.11	11.96	12.26	2823515				
Aroclor-1254	28.33	28.16	28.50	2759385				
Aroclor-1260	32.11	31.92	32.30	4406603				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.

Identification of such analytes is based primarily on pattern recognition

9  
PESTICIDE/PCB STANDARDS SUMMARY

921

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDG No.: 0148

Instrument ID: GC4B

GC Column ID: DB-1701

DATE(S) OF FROM: 03/08/93	DATE OF ANALYSIS 03/10/93
ANALYSIS TO: 03/09/93	TIME OF ANALYSIS 03:17
TIME(S) OF FROM: 22:32	EPA SAMPLE NO.
ANALYSIS TO: 03:50	(STANDARD) INDA

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	10.09	10.06	10.12	10495950				
beta-BHC	15.32	15.27	15.37	6781040				
delta-BHC	16.86	16.80	16.92	10027700				
gamma-BHC	11.55	11.52	11.58	13438700	11.56	14352600	Y	6.8
Heptachlor	12.39	12.33	12.45	15969550	12.41	16885600	Y	5.7
Aldrin	13.68	13.62	13.74	13231450	13.69	14010900	Y	5.9
Hept. epoxide	17.91	17.82	18.00	13214080	17.93	13951600	Y	5.6
Endosulfan I	20.07	19.96	20.18	12457620	20.09	13243440	Y	6.3
Dieldrin	23.42	23.32	23.52	11654860	23.44	12279100	Y	5.4
4,4'-DDE	22.53	22.42	22.64	9603680				
Endrin	24.96	24.88	25.04	8644080				
Endosulfan II	28.41	28.33	28.49	13715570	28.43	14269790	Y	4.0
4,4'-DDD	28.45	28.37	28.53	7796900				
Endo. sulfate	32.70	32.62	32.78	7219562				
4,4'-DDT	29.41	29.33	29.49	6662795	29.43	6475810	Y	2.8
Methoxychlor	33.11	33.02	33.20	4134260	33.13	4151836	Y	0.4
Endrin ketone	34.71	34.65	34.77	8944410				
a. Chlordane	21.32	21.22	21.42	12697140				
g. Chlordane	20.78	20.67	20.89	12252130				
Toxaphene	29.81	29.69	29.93	2245002				
Aroclor-1016	12.12	12.00	12.24	2929377				
Aroclor-1221	8.89	8.80	8.98	718220				
Aroclor-1232	11.96	11.89	12.03	1798365				
Aroclor-1242	12.11	12.01	12.21	2379385				
Aroclor-1248	12.11	11.96	12.26	2823515				
Aroclor-1254	28.33	28.16	28.50	2759385				
Aroclor-1260	32.11	31.92	32.30	4406603				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.

Identification of such analytes is based primarily on pattern recognition



9  
PESTICIDE/PCB STANDARDS SUMMARY

922

b Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 0148  
 Instrument ID: GC4B GC Column ID: DB-1701

DATE(S) OF ANALYSIS	FROM: 03/08/93	DATE OF ANALYSIS	03/10/93
	TO: 03/09/93	TIME OF ANALYSIS	08:57
TIME(S) OF ANALYSIS	FROM: 22:32	EPA SAMPLE NO.	
	TO: 03:50	(STANDARD)	INDB

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	10.09	10.06	10.12	10495950	10.00	10624550	Y	1.2
beta-BHC	15.32	15.27	15.37	6781040	15.16	6465880	Y	4.6
delta-BHC	16.86	16.80	16.92	10027700	16.66	9228600	Y	8.0
gamma-BHC	11.55	11.52	11.58	13438700				
Heptachlor	12.39	12.33	12.45	15969550				
Aldrin	13.68	13.62	13.74	13231450				
Hept. epoxide	17.91	17.82	18.00	13214080				
Endosulfan I	20.07	19.96	20.18	12457620				
Dieldrin	23.42	23.32	23.52	11654860				
4,4'-DDE	22.53	22.42	22.64	9603680	22.28	9297520	Y	3.2
Endrin	24.96	24.88	25.04	8644080	24.74	8703050	Y	0.7
Endosulfan II	28.41	28.33	28.49	13715570				
4,4'-DDD	28.45	28.37	28.53	7796900	28.27	7322040	Y	6.1
Endo. sulfate	32.70	32.62	32.78	7219562	32.55	6490450	Y	10.1
4,4'-DDT	29.41	29.33	29.49	6662795				
Methoxychlor	33.11	33.02	33.20	4134260				
Endrin ketone	34.71	34.65	34.77	8944410	34.56	8260380	Y	7.6
alpha-Chlordane	21.32	21.22	21.42	12697140	21.05	12065480	Y	5.0
gamma-Chlordane	20.78	20.67	20.89	12252130	20.52	11733420	Y	4.2
Toxaphene	29.81	29.69	29.93	2245002				
Aroclor-1016	12.12	12.00	12.24	2929377				
Aroclor-1221	8.89	8.80	8.98	718220				
Aroclor-1232	11.96	11.89	12.03	1798365				
Aroclor-1242	12.11	12.01	12.21	2379385				
Aroclor-1248	12.11	11.96	12.26	2823515				
Aroclor-1254	28.33	28.16	28.50	2759385				
Aroclor-1260	32.11	31.92	32.30	4406603				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.

Identification of such analytes is based primarily on pattern recognition

9  
PESTICIDE/PCB STANDARDS SUMMARY

923

b Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Instrument ID: GC1B GC Column ID: RTX-35

DATE(S) OF FROM: 03/08/93 DATE OF ANALYSIS 03/09/93  
 ANALYSIS TO: 03/08/93 TIME OF ANALYSIS 06:04  
 TIME(S) OF FROM: 13:51 EPA SAMPLE NO.  
 ANALYSIS TO: 18:22 (STANDARD) INDB

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.29	17.27	17.31	43334400	17.31	46986000	N	8.4
beta-BHC	20.24	20.22	20.26	24895780	20.25	25531640	N	2.6
delta-BHC	22.06	22.04	22.08	43585300	22.07	44616800	N	2.4
gamma-BHC	19.71	19.69	19.73	46492800				
Heptachlor	21.83	21.81	21.85	44120150				
Aldrin	23.26	23.24	23.28	40287400				
Hept. epoxide	25.30	25.28	25.32	37145920				
Endosulfan I	26.46	26.44	26.48	33760120				
Dieldrin	27.36	27.34	27.38	31495960				
4,4'-DDE	27.10	27.08	27.12	30936240	27.11	26397600	N	14.7
Endrin	28.32	28.30	28.34	23659440	28.33	21953080	N	7.2
Endosulfan II	28.82	28.80	28.84	27607830				
4,4'-DDD	28.61	28.59	28.63	20979020	28.62	19971070	N	4.8
Endo. sulfate	30.23	30.21	30.25	15871666	30.25	14287580	N	10.0
4,4'-DDT	29.50	29.48	29.52	22798395				
Methoxychlor	32.31	32.29	32.33	11124440				
Endrin ketone	32.97	32.94	33.00	27917130	32.99	21718680	N	22.2
a. Chlordane	26.42	26.40	26.44	33797540	26.43	29965880	N	11.3
g. Chlordane	25.94	25.92	25.96	34443590	25.95	30841310	N	10.5
Toxaphene								
Aroclor-1016	21.73	21.71	21.75	10095169				
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.73	21.71	21.75	7610067				
Aroclor-1248	21.73	21.71	21.75	7611585				
Aroclor-1254	29.55	29.53	29.57	10506090				
Aroclor-1260	30.86	30.84	30.88	11792223				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.  
 For multi-component analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.  
 Identification of such analytes is based primarily on pattern recognition.

9  
PESTICIDE/PCB STANDARDS SUMMARY

924

b Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDG No.: 20148

Instrument ID: GC1B

GC Column ID: RTX-35

DATE(S) OF ANALYSIS FROM: 03/08/93	DATE OF ANALYSIS 03/09/93
TO: 03/08/93	TIME OF ANALYSIS 10:23
TIME(S) OF ANALYSIS FROM: 13:51	EPA SAMPLE NO.
TO: 18:22	(STANDARD) INDA

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.29	17.27	17.31	43334400				
beta-BHC	20.24	20.22	20.26	24895780				
delta-BHC	22.06	22.04	22.08	43585300				
gamma-BHC	19.71	19.69	19.73	46492800	19.75	47573650	N	2.3
Heptachlor	21.83	21.81	21.85	44120150	21.86	50831100	N	15.2
Aldrin	23.26	23.24	23.28	40287400	23.29	35634400	N	11.5
Hept. epoxide	25.30	25.28	25.32	37145920	25.32	31183400	N	16.1
Endosulfan I	26.46	26.44	26.48	33760120	26.49	27814480	N	17.6
Dieldrin	27.36	27.34	27.38	31495960	27.38	26884260	N	14.6
4,4'-DDE	27.10	27.08	27.12	30936240				
Endrin	28.32	28.30	28.34	23659440				
Endosulfan II	28.82	28.80	28.84	27607830	28.83	21194840	N	23.2
4,4'-DDD	28.61	28.59	28.63	20979020				
Endo. sulfate	30.23	30.21	30.25	15871666				
4,4'-DDT	29.50	29.48	29.52	22798395	29.52	20906575	N	8.3
Methoxychlor	32.31	32.29	32.33	11124440	32.33	11370712	N	2.2
Endrin ketone	32.97	32.94	33.00	27917130				
a. Chlordane	26.42	26.40	26.44	33797540				
g. Chlordane	25.94	25.92	25.96	34443590				
Toxaphene								
Aroclor-1016	21.73	21.71	21.75	10095169				
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.73	21.71	21.75	7610067				
Aroclor-1248	21.73	21.71	21.75	7611585				
Aroclor-1254	29.55	29.53	29.57	10506090				
Aroclor-1260	30.86	30.84	30.88	11792223				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation and therefore at least one column must meet the 15.0% criteria. For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9  
PESTICIDE/PCB STANDARDS SUMMARY

928

b Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Instrument ID: GC1B GC Column ID: RTX-35

DATE(S) OF FROM: 03/08/93	DATE OF ANALYSIS 03/09/93
ANALYSIS TO: 03/08/93	TIME OF ANALYSIS 11:17
TIME(S) OF FROM: 13:51	EPA SAMPLE NO.
ANALYSIS TO: 18:22	(STANDARD) INDB

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.29	17.27	17.31	43334400	17.31	41996500	N	3.1
beta-BHC	20.24	20.22	20.26	24895780	20.25	23226580	N	6.7
delta-BHC	22.06	22.04	22.08	43585300	22.07	39463150	N	9.5
gamma-BHC	19.71	19.69	19.73	46492800				
Heptachlor	21.83	21.81	21.85	44120150				
Aldrin	23.26	23.24	23.28	40287400				
Hept. epoxide	25.30	25.28	25.32	37145920				
Endosulfan I	26.46	26.44	26.48	33760120				
Dieldrin	27.36	27.34	27.38	31495960				
4,4'-DDE	27.10	27.08	27.12	30936240	27.10	25763880	N	16.7
Endrin	28.32	28.30	28.34	23659440	28.32	20690840	N	12.5
Endosulfan II	28.82	28.80	28.84	27607830				
4,4'-DDD	28.61	28.59	28.63	20979020	28.61	18795740	N	10.4
Endo. sulfate	30.23	30.21	30.25	15871666	30.23	14102754	N	21.1
4,4'-DDT	29.50	29.48	29.52	22798395				
Methoxychlor	32.31	32.29	32.33	11124440				
Endrin ketone	32.97	32.94	33.00	27917130	32.97	23507680	N	15.8
a. Chlordane	26.42	26.40	26.44	33797540	26.43	27598530	N	18.3
g. Chlordane	25.94	25.92	25.96	34443590	25.94	28792310	N	16.4
Toxaphene								
Aroclor-1016	21.73	21.71	21.75	10095169				
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.73	21.71	21.75	7610067				
Aroclor-1248	21.73	21.71	21.75	7611585				
Aroclor-1254	29.55	29.53	29.57	10506090				
Aroclor-1260	30.86	30.84	30.88	11792223				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation and therefore at least one column must meet the 15.0% criteria.  
 For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.  
 Identification of such analytes is based primarily on pattern recognition

9  
PESTICIDE/PCB STANDARDS SUMMARY

926

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Instrument ID: GC1B GC Column ID: RTX-35

DATE(S) OF FROM: 03/08/93	DATE OF ANALYSIS 03/09/93
ANALYSIS TO: 03/08/93	TIME OF ANALYSIS 12:11
TIME(S) OF FROM: 13:51	EPA SAMPLE NO.
ANALYSIS TO: 18:22	(STANDARD) AR1660

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.29	17.27	17.31	43334400				
beta-BHC	20.24	20.22	20.26	24895780				
delta-BHC	22.06	22.04	22.08	43585300				
gamma-BHC	19.71	19.69	19.73	46492800				
Heptachlor	21.83	21.81	21.85	44120150				
Aldrin	23.26	23.24	23.28	40287400				
Hept. epoxide	25.30	25.28	25.32	37145920				
Endosulfan I	26.46	26.44	26.48	33760120				
Dieldrin	27.36	27.34	27.38	31495960				
4,4'-DDE	27.10	27.08	27.12	30936240				
Endrin	28.32	28.30	28.34	23659440				
Endosulfan II	28.82	28.80	28.84	27607830				
4,4'-DDD	28.61	28.59	28.63	20979020				
Endo. sulfate	30.23	30.21	30.25	15871666				
4,4'-DDT	29.50	29.48	29.52	22798395				
Methoxychlor	32.31	32.29	32.33	11124440				
Endrin ketone	32.97	32.94	33.00	27917130				
a. Chlordane	26.42	26.40	26.44	33797540				
g. Chlordane	25.94	25.92	25.96	34443590				
Toxaphene								
Aroclor-1016	21.73	21.71	21.75	10095169	21.74	10074703	N	0.2
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.73	21.71	21.75	7610067				
Aroclor-1248	21.73	21.71	21.75	7611585				
Aroclor-1254	29.55	29.53	29.57	10506090				
Aroclor-1260	30.86	30.84	30.88	11792223	30.86	10545084	N	10.6

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore, at least one column must meet the 15.0% criteria.  
 For multi-component analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.  
 Identification of such analytes is based primarily on pattern recognition.

9  
PESTICIDE/PCB STANDARDS SUMMARY

927

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Instrument ID: GC1E GC Column ID: RTX-35

DATE(S) OF ANALYSIS FROM: 03/08/93	DATE OF ANALYSIS 03/09/93
TO: 03/08/93	TIME OF ANALYSIS 13:05
TIME(S) OF ANALYSIS FROM: 13:51	EPA SAMPLE NO.
TO: 18:22	(STANDARD) AR1242

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.29	17.27	17.31	43334400				
beta-BHC	20.24	20.22	20.26	24895780				
delta-BHC	22.06	22.04	22.08	43585300				
gamma-BHC	19.71	19.69	19.73	46492800				
Heptachlor	21.83	21.81	21.85	44120150				
Aldrin	23.26	23.24	23.28	40287400				
Hept. epoxide	25.30	25.28	25.32	37145920				
Endosulfan I	26.46	26.44	26.48	33760120				
Dieldrin	27.36	27.34	27.38	31495960				
4,4'-DDE	27.10	27.08	27.12	30936240				
Endrin	28.32	28.30	28.34	23659440				
Endosulfan II	28.82	28.80	28.84	27607830				
4,4'-DDD	28.61	28.59	28.63	20979020				
Endo. sulfate	30.23	30.21	30.25	15871666				
4,4'-DDT	29.50	29.48	29.52	22798395				
Methoxychlor	32.31	32.29	32.33	11124440				
Endrin ketone	32.97	32.94	33.00	27917130				
a. Chlordane	26.42	26.40	26.44	33797540				
g. Chlordane	25.94	25.92	25.96	34443590				
Toxaphene								
Aroclor-1016	21.73	21.71	21.75	10095169				
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.73	21.71	21.75	7610067	21.73	7987852	N	5.0
Aroclor-1248	21.73	21.71	21.75	7611585				
Aroclor-1254	29.55	29.53	29.57	10506090				
Aroclor-1260	30.86	30.84	30.88	11792223				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.  
 For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.  
 Identification of such analytes is based primarily on pattern recognition

9  
PESTICIDE/PCB STANDARDS SUMMARY

923

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Instrument ID: GC18 GC Column ID: RTX-35

DATE(S) OF ANALYSIS FROM: 03/08/93	DATE OF ANALYSIS	03/09/93
TO: 03/08/93	TIME OF ANALYSIS	13:59
TIME(S) OF ANALYSIS FROM: 13:51	EPA SAMPLE NO.	
TO: 18:22	(STANDARD)	AR1248

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.29	17.27	17.31	43334400				
beta-BHC	20.24	20.22	20.26	24895780				
delta-BHC	22.06	22.04	22.08	43585300				
gamma-BHC	19.71	19.69	19.73	46492800				
Heptachlor	21.83	21.81	21.85	44120150				
Aldrin	23.26	23.24	23.28	40287400				
Hept. epoxide	25.30	25.28	25.32	37145920				
Endosulfan I	26.46	26.44	26.48	33760120				
Dieldrin	27.36	27.34	27.38	31495960				
4,4'-DDE	27.10	27.08	27.12	30936240				
Endrin	28.32	28.30	28.34	23659440				
Endosulfan II	28.82	28.80	28.84	27607830				
4,4'-DDD	28.61	28.59	28.63	20979020				
Endo. sulfate	30.23	30.21	30.25	15871666				
4,4'-DDT	29.50	29.48	29.52	22798395				
Methoxychlor	32.31	32.29	32.33	11124440				
Endrin ketone	32.97	32.94	33.00	27917130				
alpha-Chlordane	26.42	26.40	26.44	33797540				
gamma-Chlordane	25.94	25.92	25.96	34443590				
Toxaphene								
Aroclor-1016	21.73	21.71	21.75	10095169				
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.73	21.71	21.75	7610067				
Aroclor-1248	21.73	21.71	21.75	7611585	21.73	7477848	N	1.8
Aroclor-1254	29.55	29.53	29.57	10506090				
Aroclor-1260	30.86	30.84	30.88	11792223				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.  
 For multicomponent analytes: the single largest peak that is characteristic of the component should be used to establish retention time and %D.  
 Identification of such analytes is based primarily on pattern recognition.

9  
PESTICIDE/PCB STANDARDS SUMMARY

920

b Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Instrument ID: GC1B GC Column ID: RTX-35

DATE(S) OF ANALYSIS FROM: 03/08/93 TO: 03/08/93	DATE OF ANALYSIS 03/09/93
TIME(S) OF ANALYSIS FROM: 13:51 TO: 18:22	TIME OF ANALYSIS 15:10
	EPA SAMPLE NO. (STANDARD) AR1254

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.29	17.27	17.31	43334400				
beta-BHC	20.24	20.22	20.26	24895780				
delta-BHC	22.06	22.04	22.08	43585300				
gamma-BHC	19.71	19.69	19.73	46492800				
Heptachlor	21.83	21.81	21.85	44120150				
Aldrin	23.26	23.24	23.28	40287400				
Hept. epoxide	25.30	25.28	25.32	37145920				
Endosulfan I	26.46	26.44	26.48	33760120				
Dieldrin	27.36	27.34	27.38	31495960				
4,4'-DDE	27.10	27.08	27.12	30936240				
Endrin	28.32	28.30	28.34	23659440				
Endosulfan II	28.82	28.80	28.84	27607830				
4,4'-DDD	28.61	28.59	28.63	20979020				
Endo. sulfate	30.23	30.21	30.25	15871666				
4,4'-DDT	29.50	29.48	29.52	22798395				
Methoxychlor	32.31	32.29	32.33	11124440				
Endrin ketone	32.97	32.94	33.00	27917130				
alpha-Chlordane	26.42	26.40	26.44	33797540				
gamma-Chlordane	25.94	25.92	25.96	34443590				
Toxaphene								
Aroclor-1016	21.73	21.71	21.75	10095169				
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.73	21.71	21.75	7610067				
Aroclor-1248	21.73	21.71	21.75	7611585				
Aroclor-1254	29.55	29.53	29.57	10506090	29.55	9057564	N	13.8
Aroclor-1260	30.86	30.84	30.88	11792223				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.  
 For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.  
 Identification of such analytes is based primarily on pattern recognition



9  
PESTICIDE/PCB STANDARDS SUMMARY

930

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Instrument ID: GC1E GC Column ID: RTX-35

DATE(S) OF ANALYSIS FROM: 03/09/93 TO: 03/10/93	DATE OF ANALYSIS 03/10/93
TIME(S) OF ANALYSIS FROM: 22:09 TO: 02:39	TIME OF ANALYSIS 08:56
	EPA SAMPLE NO. (STANDARD) INDB

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.31	17.29	17.33	42144200	17.29	48120850	N	14.2
beta-BHC	20.25	20.23	20.27	25961300	20.23	26141380	N	0.7
delta-BHC	22.07	22.05	22.09	46117000	22.05	45749750	N	0.8
gamma-BHC	19.72	19.70	19.74	56152800				
Heptachlor Aldrin	21.84	21.82	21.86	61117350				
Hept. epoxide	23.28	23.26	23.30	48144050				
Hept. epoxide	25.31	25.29	25.33	43364360				
Endosulfan I	26.48	26.46	26.50	33007440				
Dieldrin	27.37	27.35	27.39	36308520				
4,4'-DDE	27.10	27.08	27.12	31118120	27.09	28112920	N	9.7
Endrin	28.31	28.29	28.33	24321560	28.32	23175940	N	4.7
Endosulfan II	28.83	28.81	28.85	27436420				
4,4'-DDD	28.62	28.60	28.64	21802460	28.60	20824890	N	4.5
Endo. sulfate	30.22	30.20	30.24	14978158	30.22	14510254	N	3.1
4,4'-DDT	29.52	29.50	29.54	25931065				
Methoxychlor	32.33	32.31	32.35	14383668				
Endrin ketone	32.97	32.94	33.00	28362310	32.95	26190840	N	7.7
a. Chlordane	26.42	26.40	26.44	33462310	26.41	30891510	N	7.7
g. Chlordane	25.94	25.92	25.96	34505610	25.92	32088850	N	7.0
Toxaphene								
Aroclor-1016	21.76	21.74	21.78	9846378				
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.75	21.73	21.77	7993499				
Aroclor-1248	21.73	21.71	21.75	7735081				
Aroclor-1254	29.55	29.53	29.57	9597699				
Aroclor-1260	30.87	30.85	30.89	11199294				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria. For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9  
PESTICIDE/PCB STANDARDS SUMMARY

931

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 2048  
 Instrument ID: GC1B GC Column ID: RTX-35

DATE(S) OF FROM: 03/09/93	DATE OF ANALYSIS 03/10/93
ANALYSIS TO: 03/10/93	TIME OF ANALYSIS 10:15
TIME(S) OF FROM: 22:09	EPA SAMPLE NO.
ANALYSIS TO: 02:39	(STANDARD) INDA

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.31	17.29	17.33	42144200				
beta-BHC	20.25	20.23	20.27	25961300				
delta-BHC	22.07	22.05	22.09	46117000				
gamma-BHC	19.72	19.70	19.74	56152800	19.72	57863500	N	3.0
Heptachlor	21.84	21.82	21.86	61117350	21.84	64578300	N	5.7
Aldrin	23.28	23.26	23.30	48144050	23.28	49308900	N	2.4
Hept. epoxide	25.31	25.29	25.33	43364360	25.31	42414560	N	2.2
Endosulfan I	26.48	26.46	26.50	33007440	26.48	32749400	N	0.8
Dieldrin	27.37	27.35	27.39	36308520	27.37	35791360	N	1.4
4,4'-DDE	27.10	27.08	27.12	31118120				
Endrin	28.31	28.29	28.33	24321560				
Endosulfan II	28.83	28.81	28.85	27436420	28.83	27112850	N	1.2
4,4'-DDD	28.62	28.60	28.64	21802460				
Endo. sulfate	30.22	30.20	30.24	14978158				
4,4'-DDT	29.52	29.50	29.54	25931065	29.52	26030710	N	0.4
Methoxychlor	32.33	32.31	32.35	14383668	32.32	14851876	N	3.3
Endrin ketone	32.97	32.94	33.00	28362310				
a. Chlordane	26.42	26.40	26.44	33462310				
g. Chlordane	25.94	25.92	25.96	34505610				
Toxaphene								
Aroclor-1016	21.76	21.74	21.78	9846378				
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.75	21.73	21.77	7993499				
Aroclor-1248	21.73	21.71	21.75	7735081				
Aroclor-1254	29.55	29.53	29.57	9597699				
Aroclor-1260	30.87	30.85	30.89	11199294				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.  
 For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.  
 Identification of such analytes is based primarily on pattern recognition

9  
PESTICIDE/PCB STANDARDS SUMMARY

900

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 2048  
 Instrument ID: GC1B GC Column ID: RTX-35

DATE(S) OF ANALYSIS	FROM: 03/09/93	DATE OF ANALYSIS	03/10/93
	TO: 03/10/93	TIME OF ANALYSIS	11:11
TIME(S) OF ANALYSIS	FROM: 22:09	EPA SAMPLE NO.	
	TO: 02:39	(STANDARD)	AR1660

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.31	17.29	17.33	42144200				
beta-BHC	20.25	20.23	20.27	25961300				
delta-BHC	22.07	22.05	22.09	46117000				
gamma-BHC	19.72	19.70	19.74	56152800				
Heptachlor	21.84	21.82	21.86	61117350				
Aldrin	23.28	23.26	23.30	48144050				
Hept. epoxide	25.31	25.29	25.33	43364360				
Endosulfan I	26.48	26.46	26.50	33007440				
Dieldrin	27.37	27.35	27.39	36308520				
4,4'-DDE	27.10	27.08	27.12	31118120				
Endrin	28.31	28.29	28.33	24321560				
Endosulfan II	28.83	28.81	28.85	27436420				
4,4'-DDD	28.62	28.60	28.64	21802460				
Endo. sulfate	30.22	30.20	30.24	14978158				
4,4'-DDT	29.52	29.50	29.54	25931065				
Methoxychlor	32.33	32.31	32.35	14383668				
Endrin ketone	32.97	32.94	33.00	28362310				
a. Chlordane	26.42	26.40	26.44	33462310				
g. Chlordane	25.94	25.92	25.96	34505610				
Toxaphene								
Aroclor-1016	21.76	21.74	21.78	9846378	21.75	10007348	N	1.6
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.75	21.73	21.77	7993499				
Aroclor-1248	21.73	21.71	21.75	7735081				
Aroclor-1254	29.55	29.53	29.57	9597699				
Aroclor-1260	30.87	30.85	30.89	11199294	30.87	10660308	N	4.8

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.  
 For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.  
 Identification of such analytes is based primarily on pattern recognition

9  
PESTICIDE/PCB STANDARDS SUMMARY

933

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Instrument ID: GC1B GC Column ID: RTX-35

DATE(S) OF FROM: 03/09/93	DATE OF ANALYSIS 03/10/93
ANALYSIS TO: 03/10/93	TIME OF ANALYSIS 12:04
TIME(S) OF FROM: 22:09	EPA SAMPLE NO.
ANALYSIS TO: 02:39	(STANDARD) AR1242

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.31	17.29	17.33	42144200				
beta-BHC	20.25	20.23	20.27	25961300				
delta-BHC	22.07	22.05	22.09	46117000				
gamma-BHC	19.72	19.70	19.74	56152800				
Heptachlor	21.84	21.82	21.86	61117350				
Aldrin	23.28	23.26	23.30	48144050				
Hept. epoxide	25.31	25.29	25.33	43364360				
Endosulfan I	26.48	26.46	26.50	33007440				
Dieldrin	27.37	27.35	27.39	36308520				
4,4'-DDE	27.10	27.08	27.12	31118120				
Endrin	28.31	28.29	28.33	24321560				
Endosulfan II	28.83	28.81	28.85	27436420				
4,4'-DDD	28.62	28.60	28.64	21802460				
Endo. sulfate	30.22	30.20	30.24	14978158				
4,4'-DDT	29.52	29.50	29.54	25931065				
Methoxychlor	32.33	32.31	32.35	14383668				
Endrin ketone	32.97	32.94	33.00	28362310				
a. Chlordane	26.42	26.40	26.44	33462310				
g. Chlordane	25.94	25.92	25.96	34505610				
Toxaphene								
Aroclor-1016	21.76	21.74	21.78	9846378				
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.75	21.73	21.77	7993499	21.73	7851567	N	1.8
Aroclor-1248	21.73	21.71	21.75	7735081				
Aroclor-1254	29.55	29.53	29.57	9597699				
Aroclor-1260	30.87	30.85	30.89	11199294				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.  
 For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.  
 Identification of such analytes is based primarily on pattern recognition.

9  
PESTICIDE/PCB STANDARDS SUMMARY

934

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Instrument ID: GC1B GC Column ID: RTX-35

DATE(S) OF FROM: 03/09/93	DATE OF ANALYSIS 03/10/93
ANALYSIS TO: 03/10/93	TIME OF ANALYSIS 12:57
TIME(S) OF FROM: 22:09	EPA SAMPLE NO.
ANALYSIS TO: 02:39	(STANDARD) AR1248

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.31	17.29	17.33	42144200				
beta-BHC	20.25	20.23	20.27	25961300				
delta-BHC	22.07	22.05	22.09	46117000				
gamma-BHC	19.72	19.70	19.74	56152800				
Heptachlor	21.84	21.82	21.86	61117350				
Aldrin	23.28	23.26	23.30	48144050				
Hept. epoxide	25.31	25.29	25.33	43364360				
Endosulfan I	26.48	26.46	26.50	33007440				
Dieldrin	27.37	27.35	27.39	36308520				
4,4'-DDE	27.10	27.08	27.12	31118120				
Endrin	28.31	28.29	28.33	24321560				
Endosulfan II	28.83	28.81	28.85	27436420				
4,4'-DDD	28.62	28.60	28.64	21802460				
Endo. sulfate	30.22	30.20	30.24	14978158				
4,4'-DDT	29.52	29.50	29.54	25931065				
Methoxychlor	32.33	32.31	32.35	14383668				
Endrin ketone	32.97	32.94	33.00	28362310				
a. Chlordane	26.42	26.40	26.44	33462310				
g. Chlordane	25.94	25.92	25.96	34505610				
Toxaphene								
Aroclor-1016	21.76	21.74	21.78	9846378				
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.75	21.73	21.77	7993499				
Aroclor-1248	21.73	21.71	21.75	7735081	21.75	7799024	N	0.8
Aroclor-1254	29.55	29.53	29.57	9597699				
Aroclor-1260	30.87	30.85	30.89	11199294				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation and therefore at least one column must meet the 15.0% criteria. For multi-component analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition.

9  
PESTICIDE/PCB STANDARDS SUMMARY

935

b Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: 20148  
 Instrument ID: GC1B GC Column ID: RTX-35

DATE(S) OF ANALYSIS	FROM: 03/09/93	DATE OF ANALYSIS	03/10/93
	TO: 03/10/93	TIME OF ANALYSIS	13:50
TIME(S) OF ANALYSIS	FROM: 22:09	EPA SAMPLE NO.	
	TO: 02:39	(STANDARD)	AR1254

COMPOUND	RT	RT WINDOW		CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
		FROM	TO					
alpha-BHC	17.31	17.29	17.33	42144200				
beta-BHC	20.25	20.23	20.27	25961300				
delta-BHC	22.07	22.05	22.09	46117000				
gamma-BHC	19.72	19.70	19.74	56152800				
Heptachlor	21.84	21.82	21.86	61117350				
Aldrin	23.28	23.26	23.30	48144050				
Hept. epoxide	25.31	25.29	25.33	43364360				
Endosulfan I	26.48	26.46	26.50	33007440				
Dieldrin	27.37	27.35	27.39	36308520				
4,4'-DDE	27.10	27.08	27.12	31118120				
Endrin	28.31	28.29	28.33	24321560				
Endosulfan II	28.83	28.81	28.85	27436420				
4,4'-DDD	28.62	28.60	28.64	21802460				
Endo. sulfate	30.22	30.20	30.24	14978158				
4,4'-DDT	29.52	29.50	29.54	25931065				
Methoxychlor	32.33	32.31	32.35	14383668				
Endrin ketone	32.97	32.94	33.00	28362310				
a. Chlordane	26.42	26.40	26.44	33462310				
g. Chlordane	25.94	25.92	25.96	34505610				
Toxaphene								
Aroclor-1016	21.76	21.74	21.78	9846378				
Aroclor-1221								
Aroclor-1232								
Aroclor-1242	21.75	21.73	21.77	7993499				
Aroclor-1248	21.73	21.71	21.75	7735081				
Aroclor-1254	29.55	29.53	29.57	9597699	29.55	9755219	N	1.6
Aroclor-1260	30.87	30.85	30.89	11199294				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed.  
 %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D.

Confirmation of such analytes is based primarily on pattern recognition

10  
PESTICIDE/POB IDENTIFICATION

DATA SAMPLE NO.

936

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDB No.: 30144

GC Column ID (1): DB-1701

GC Column ID (2): RTX-03

Instrument ID (1): GC4B

Instrument ID (2): GC1B

Lab Sample ID: 0148002

Lab File ID: \_\_\_\_\_ (only if confirmed by GC/MS)

PESTICIDE/POB	RETENTION TIME	RT WINDOW OF STANDARD		QUANT? (Y/N)	GC/MS? (Y/N)
		FROM	TO		
01 Aroclor-1260	Column 1 31.84	31.72	32.10	Y	N
02	Column 2 30.78	30.84	30.88	N	N
03 Aroclor-1254	Column 1 24.71	24.59	24.93	Y	N
04	Column 2 29.56	29.53	29.57	N	N
05 _____	Column 1 _____	_____	_____	—	—
06	Column 2 _____	_____	_____	—	—
07 _____	Column 1 _____	_____	_____	—	—
08	Column 2 _____	_____	_____	—	—
09 _____	Column 1 _____	_____	_____	—	—
10	Column 2 _____	_____	_____	—	—
11 _____	Column 1 _____	_____	_____	—	—
12	Column 2 _____	_____	_____	—	—

Comments: \_\_\_\_\_

10  
PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

MHW-7

937

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAB No.: \_\_\_\_\_

SDB No.: 20148

GC Column ID (1): DB-1701

GC Column ID (2): RTX-35

Instrument ID (1): GC4B

Instrument ID (2): GC1B

Lab Sample ID: 0148003

Lab File ID: \_\_\_\_\_ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME	RT WINDOW		QUANT?	GC/MS?
		OF STANDARD	FROM TO		
01 Aroclor-1248	Column 1 11.90	11.79	12.09	Y	N
02	Column 2 21.76	21.71	21.75	N	N
03 Aroclor-1260	Column 1 31.83	31.72	32.10	Y	N
04	Column 2 30.88	30.84	30.88	N	N
05 Aroclor-1254	Column 1 24.70	24.59	24.93	Y	N
06	Column 2 29.56	29.53	29.57	N	N
07 _____	Column 1 _____	_____	_____	—	—
08	Column 2 _____	_____	_____	—	—
09 _____	Column 1 _____	_____	_____	—	—
10	Column 2 _____	_____	_____	—	—
11 _____	Column 1 _____	_____	_____	—	—
12	Column 2 _____	_____	_____	—	—

Comments: \_\_\_\_\_



10  
PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

2049-6

Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SPS No.: Z0148  
 GC Column ID (1): DB-1701 GC Column ID (2): RTX-33  
 Instrument ID (1): GC4B Instrument ID (2): GC1B  
 Lab Sample ID: 0148004  
 Lab File ID: \_\_\_\_\_ (only if confirmed by GC/MS)

=====

PESTICIDE/PCB	RETENTION TIME	RT WINDOW		QUANT?	GC/MS?
		OF STANDARD	FROM TO		
01 Aroclor-1254	Column 1 24.72	24.59	24.93	Y	N
02	Column 2 29.55	29.53	29.57	N	N
03 Aroclor-1260	Column 1 31.86	31.72	32.10	Y	N
04	Column 2 29.56	29.53	29.57	N	N
05 _____	Column 1 _____	_____	_____	—	—
06	Column 2 _____	_____	_____	—	—
07 _____	Column 1 _____	_____	_____	—	—
08	Column 2 _____	_____	_____	—	—
09 _____	Column 1 _____	_____	_____	—	—
10	Column 2 _____	_____	_____	—	—
11 _____	Column 1 _____	_____	_____	—	—
12	Column 2 _____	_____	_____	—	—

Comments: \_\_\_\_\_  
 \_\_\_\_\_

PESTICIDE/PCB IDENTIFICATION

FIELD BLANK

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No: 0148

SAS No.: \_\_\_\_\_

SDS No.: Z0148

GC Column ID (1): DB-1701

GC Column ID (2): RTX-35

Instrument ID (1): GCAB

Instrument ID (2): GC1B

Lab Sample ID: 0148006

Lab File ID: \_\_\_\_\_ (only if confirmed by GC/MS)

=====

PESTICIDE/PCB	RETENTION TIME	RT WINDOW OF STANDARD		QUANT? (Y/N)	GC/MS? (Y/N)
		FROM	TO		
01 Aroclor-1260	Column 1 31.91	31.72	32.10	Y	N
02	Column 2 30.86	30.84	30.88	N	N
03 _____	Column 1 _____	_____	_____	-	-
04 _____	Column 2 _____	_____	_____	-	-
05 _____	Column 1 _____	_____	_____	-	-
06 _____	Column 2 _____	_____	_____	-	-
07 _____	Column 1 _____	_____	_____	-	-
08 _____	Column 2 _____	_____	_____	-	-
09 _____	Column 1 _____	_____	_____	-	-
10 _____	Column 2 _____	_____	_____	-	-
11 _____	Column 1 _____	_____	_____	-	-
12 _____	Column 2 _____	_____	_____	-	-

Comments: \_\_\_\_\_

10  
PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

MHW-1

940

Lab Name: TEA

Contract: \_\_\_\_\_

Lab Code: TEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDG No.: 20148

GC Column ID (1): DB-1701

GC Column ID (2): RTX-35

Instrument ID (1): GC4B

Instrument ID (2): GC1B

Lab Sample ID: 0148010

Lab File ID: \_\_\_\_\_ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME	RT WINDOW OF STANDARD		QUANT? (Y/N)	GC/MS? (Y/N)
		FROM	TO		
01 Aroclor-1260	Column 1 32.11	31.92	32.30	Y	N
02	Column 2 30.76	30.84	30.88	N	N
03 Aroclor-1254	Column 1 25.07	24.92	25.26	Y	N
04	Column 2 29.54	29.53	29.57	N	N
05 _____	Column 1 _____	_____	_____	---	---
06	Column 2 _____	_____	_____	---	---
07 _____	Column 1 _____	_____	_____	---	---
08	Column 2 _____	_____	_____	---	---
09 _____	Column 1 _____	_____	_____	---	---
10	Column 2 _____	_____	_____	---	---
11 _____	Column 1 _____	_____	_____	---	---
12	Column 2 _____	_____	_____	---	---

Comments: \_\_\_\_\_  
 \_\_\_\_\_

10  
PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

941

Lab Name: 18A

Contract: \_\_\_\_\_

-46

Lab Code: 18A

Case No.: 0148

SAB No.: \_\_\_\_\_

SUB No.: \_\_\_\_\_

20148

GC Column ID (1): DB-1701

GC Column ID (2): RTX-85

Instrument ID (1): GC4B

Instrument ID (2): GC4B

Lab Sample ID: 0148013

Lab File ID: \_\_\_\_\_ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME	RT WINDOW OF STANDARD		QUANT? (Y/N)	GC/MS? (Y/N)
		FROM	TO		
01 Aroclor-1254	Column 1 24.87	24.59	24.93	Y	N
02	Column 2 29.54	29.53	29.57	N	N
03 Aroclor-1260	Column 1 31.94	31.72	32.10	Y	N
04	Column 2 30.85	30.85	30.89	N	N
05 _____	Column 1 _____	_____	_____	---	---
06	Column 2 _____	_____	_____	---	---
07 _____	Column 1 _____	_____	_____	---	---
08	Column 2 _____	_____	_____	---	---
09 _____	Column 1 _____	_____	_____	---	---
10	Column 2 _____	_____	_____	---	---
11 _____	Column 1 _____	_____	_____	---	---
12	Column 2 _____	_____	_____	---	---

Comments: \_\_\_\_\_  
\_\_\_\_\_

PESTICIDE/POB IDENTIFICATION

EPA SAMPLE NO.

942  
 10-35

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Date: 0148

SAS No.: \_\_\_\_\_

SOS No.: 20148

GC Column ID (1): 08-1701

GC Column ID (2): RTX-35

Instrument ID (1): GC4B

Instrument ID (2): GC1B

Lab Sample ID: 0148014

Lab File ID: \_\_\_\_\_ (only if confirmed by GC/MS)

=====

PESTICIDE/POB	RETENTION TIME	RT WINDOW OF STANDARD		QUALITY (Y/N)	GC/MS? (Y/N)
		FROM	TO		
01 Aroclor-1254	Column 1 28.33	28.16	28.50	Y	N
02	Column 2 29.55	29.53	29.57	N	N
03 _____	Column 1 _____	_____	_____	---	---
04	Column 2 _____	_____	_____	---	---
05 _____	Column 1 _____	_____	_____	---	---
06	Column 2 _____	_____	_____	---	---
07 _____	Column 1 _____	_____	_____	---	---
08	Column 2 _____	_____	_____	---	---
09 _____	Column 1 _____	_____	_____	---	---
10	Column 2 _____	_____	_____	---	---
11 _____	Column 1 _____	_____	_____	---	---
12	Column 2 _____	_____	_____	---	---

Comments: \_\_\_\_\_  
 \_\_\_\_\_

10  
PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

943

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDS No.: 20148

GC Column ID (1): DB-1701

GC Column ID (2): RTX-35

Instrument ID (1): GC4B

Instrument ID (2): GC1B

Lab Sample ID: 0148016

Lab File ID: \_\_\_\_\_ (only if confirmed by GC/MS)

=====

PESTICIDE/PCB	RETENTION TIME	RT WINDOW OF STANDARD		QUANT?	GC/MS?
		FROM	TO	(Y/N)	(Y/N)
01 Aroclor-1254	Column 1 25.08	24.92	25.26	Y	N
02	Column 2 29.55	29.53	29.57	N	N
03 Aroclor-1260	Column 1 32.10	31.92	32.30	Y	N
04	Column 2 30.87	30.84	30.88	N	N
05 _____	Column 1 _____	_____	_____	---	---
06	Column 2 _____	_____	_____	---	---
07 _____	Column 1 _____	_____	_____	---	---
08	Column 2 _____	_____	_____	---	---
09 _____	Column 1 _____	_____	_____	---	---
10	Column 2 _____	_____	_____	---	---
11 _____	Column 1 _____	_____	_____	---	---
12	Column 2 _____	_____	_____	---	---

Comments: \_\_\_\_\_

10  
PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

Lab Name: IEA	Contract: _____	944
Lab Code: IEA	Case No.: <u>0148</u>	SAS No.: _____
		SIC No.: <u>2048</u>
GC Column ID (1): DB-1701		GC Column ID (2): RTX-35
Instrument ID (1): GC4B		Instrument ID (2): GC1B
Lab Sample ID: 014801B		
Lab File ID: _____ (only if confirmed by GC/MS)		

PESTICIDE/PCB	RETENTION TIME	RT WINDOW OF STANDARD		QUANT?	GC/MS?
		FROM	TO	(Y/N)	(Y/N)
01 Arochlor-1260	Column 1 31.91	31.72	32.10	Y	N
02	Column 2 30.76	30.85	30.89	N	N
03 _____	Column 1 _____	_____	_____	---	---
04	Column 2 _____	_____	_____	---	---
05 _____	Column 1 _____	_____	_____	---	---
06	Column 2 _____	_____	_____	---	---
07 _____	Column 1 _____	_____	_____	---	---
08	Column 2 _____	_____	_____	---	---
09 _____	Column 1 _____	_____	_____	---	---
10	Column 2 _____	_____	_____	---	---
11 _____	Column 1 _____	_____	_____	---	---
12	Column 2 _____	_____	_____	---	---

Comments: \_\_\_\_\_



200 Monroe Turnpike  
Monroe, Connecticut 06468  
(203) 261-4458  
FAX (203) 268-5346

945

PESTICIDE EVALUATION MIX CONCENTRATIONS (ng)

*RTX-35 GC1B HB*  
*DB-608* Column-GC4A; DB-1701 Column-GC4B - 1.0 ul injection  
*VP 3/16/93*

<u>Parameter</u>	<u>Eval A</u>	<u>Eval B</u>	<u>Eval C</u>
Aldrin	0.025	0.05	0.10
Endrin	0.05	0.10	0.20
4,4' DDT	0.125	0.25	0.50
DBC	0.05	0.10	0.20

Mikemar,  
Florida  
305-989-0928

Schaumburg,  
Illinois  
708-705-0740

N. Billerica,  
Massachusetts  
617-272-5212

Whippany,  
New Jersey  
201-428-8181

Cary,  
North Carolina  
919-677-0000

Essex Junction,  
Vermont  
802-478-6138





PESTICIDE INDIVIDUAL MIX CONCENTRATIONS (ng)

Column: DB1701 ; RTX35  
1.0 ul injection

Ind A

Lindane	0.02
Heptachlor Epoxide	0.02
Aldrin	0.02
Heptachlor Epoxide	0.05
Endosulfan I	0.05
Dieldrin	0.05
Endosulfan II	0.10
4,4'DDT	0.20
Endrin Aldehyde	0.20
DBC	0.10
Methoxychlor	0.25

Ind B

a-BHC	0.02
b-BHC	0.05
d-BHC	0.02
Aldrin	0.02
Gamma-Chlordane	0.10
Alpha-Chlordane	0.10
4,4'DDE	0.05
Endrin	0.10
4,4'DDD	0.10
Endosulfan Sulfate	0.50
DBC	0.10
Endrin Ketone	0.10

PESTICIDE  
 INSTRUMENT DETECTION LIMITS.  
 HP58904B                    DILUTION FACTOR 1.0  
 DATE ANAL01/19/93 COL:DB-1701

COMPOUND	Units are ug/L	IDL	Q
ALPHA-BHC		0.001	0.05
BETA-BHC		0.001	0.05
DELTA-BHC		0.001	0.05
GAMMA-BHC		0.003	0.05
HEPTACHLOR		0.001	0.05
ALDRIN		0.001	0.05
HEPT.EPOXIDE		0.001	0.05
ENDOSULFAN 1		0.000	0.05
DIELDRIN		0.004	0.10
4,4'DDE		0.002	0.10
ENDRIN		0.002	0.10
ENDOSULFAN 2		0.005	0.10
4,4' DDD		0.002	0.10
ENDO. SULFATE		0.013	0.10
4,4' DDT		0.004	0.10
METHOXYCHLOR		0.055	0.50
ENDRIN KETONE		0.016	0.10
ENDRIN ALDEHYDE		0.005	0.10
ALPHA-CHLORDANE		0.001	0.05
GAMMA-CHLORDANE		0.001	0.05
TOXAPHENE		0.107	5.00
AROCLOR 1016		0.061	1.00
AROCLOR 1221		0.291	2.00
AROCLOR 1232		0.033	1.00
AROCLOR 1242		0.127	1.00
AROCLOR 1248		0.097	1.00
AROCLOR 1254		0.159	1.00
AROCLOR 1260		0.027	1.00

Instrument detection limits are based upon  
 a one liter sample volume brought to a ten  
 milliliter final volume.

PESTICIDE  
 INSTRUMENT DETECTION LIMITS.  
 HP58901B DILUTION FACTOR 1.0  
 DATE ANAL12/07/92 COL:RTX-35

COMPOUND	Units are ug/L	IDL	Q
ALPHA-BHC		0.002	0.05
BETA-BHC		0.006	0.05
DELTA-BHC		0.006	0.05
GAMMA-BHC		0.005	0.05
HEPTACHLOR		0.002	0.05
ALDRIN		0.007	0.05
HEPT.EPOXIDE		0.005	0.05
ENDOSULFAN 1		0.002	0.05
DIELDRIN		0.083	0.10
4,4'DDE		0.010	0.10
ENDRIN		0.065	0.10
ENDOSULFAN 2		0.011	0.10
4,4' DDD		0.001	0.10
ENDO. SULFATE		0.007	0.10
4,4' DDT		0.017	0.10
METHOXYCHLOR		0.012	0.50
ENDRIN KETONE		0.008	0.10
ENDRIN ALDEHYDE		0.027	0.10
ALPHA-CHLORDANE		0.004	0.05
GAMMA-CHLORDANE		0.004	0.05
TOXAPHENE		0.145	5.00
AROCLOR 1016		0.016	1.00
AROCLOR 1221		0.078	2.00
AROCLOR 1232		0.031	1.00
AROCLOR 1242		0.392	1.00
AROCLOR 1248		0.512	1.00
AROCLOR 1254		0.037	1.00
AROCLOR 1260		0.204	1.00

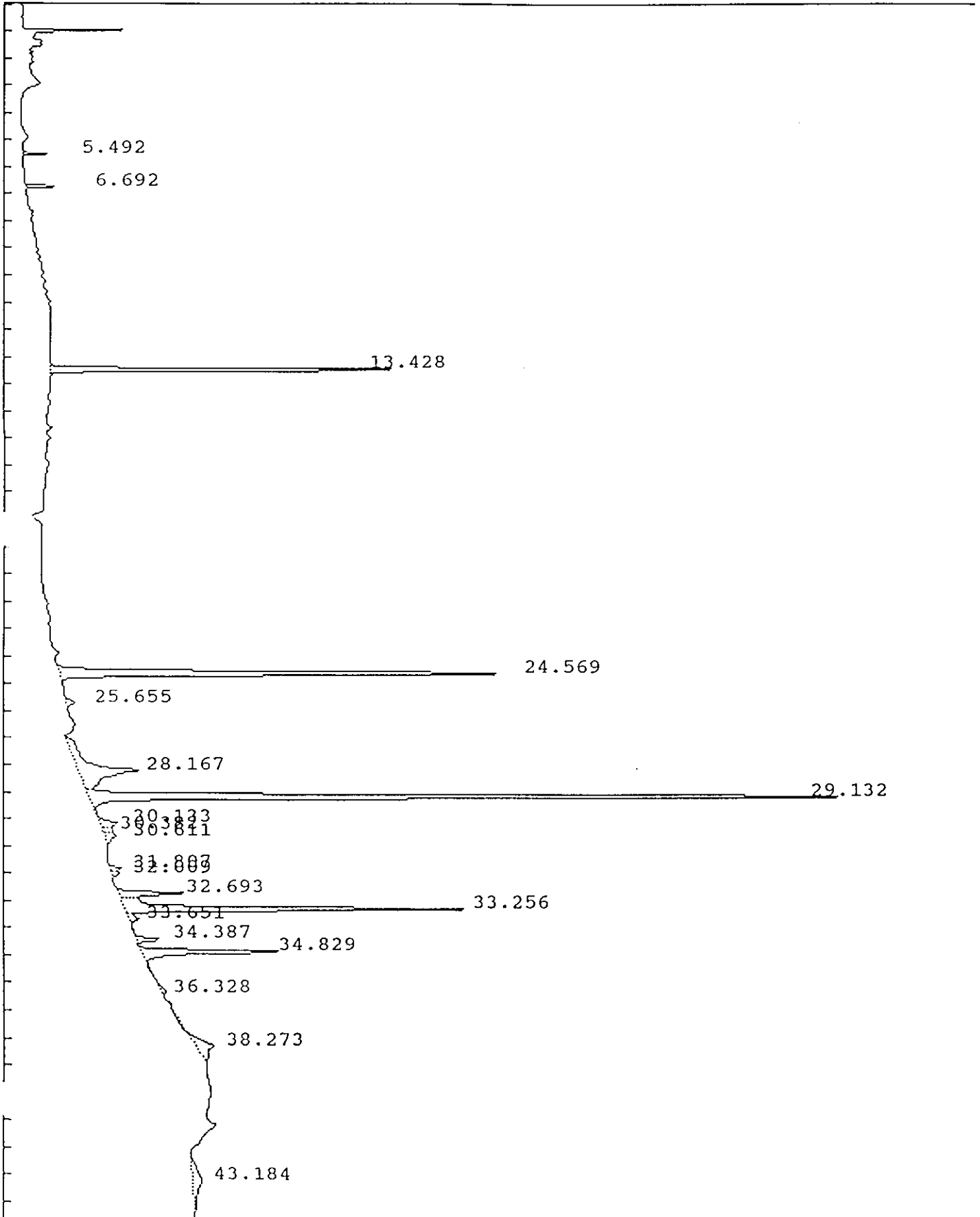
Instrument detection limits are based upon  
 a one liter sample volume brought to a ten  
 milliliter final volume.

IEA Pesticide Standard Report

940

Sample Name : EVALA  
Result File : /HP58904B/B4116002.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1823 01Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : EVALA Report No : 56.03  
 Result File : /HP58904B/B4116002.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1823 01Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 2 Bottle no. : 2

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.49		.063470	12393	BB	0.0000	
2	6.69		.070488	20271	BB	0.0000	
3	13.43		.105388	281979	BB	0.0000	ALDRIN
4	24.57		.163339	494892	BB	0.0000	ENDRIN
5	25.66		.171644	9167	BB	0.0000	
6	28.17	28.22	.532535	213946	PV	.1714	<del>Endosulfan-II</del> 4.4 DDD
7	29.13		.148160	832915	VV	0.0000	4.4 DDT
8	30.13		.240142	28693	VV	0.0000	
9	30.38		.190185	13917	VV	0.0000	
10	30.61		.257992	19835	VB	0.0000	
11	31.81		.143219	11867	BV	0.0000	
12	32.01		.161025	8345	VB	0.0000	
13	32.69		.165926	70318	BV	0.0000	
14	33.26	#33.33	.153746	348598	VV	.5158	Dibutyl Chlorendate
15	33.65		.200078	13763	VB	0.0000	
16	34.39		.142872	24947	BV	0.0000	
17	34.83		.159484	152150	PB	0.0000	
18	36.33		.249211	7944	BV	0.0000	
19	38.27		.500491	56722	PB	0.0000	
20	43.18		.936350	56889	PB	0.0000	

*JW*  
03/10/93

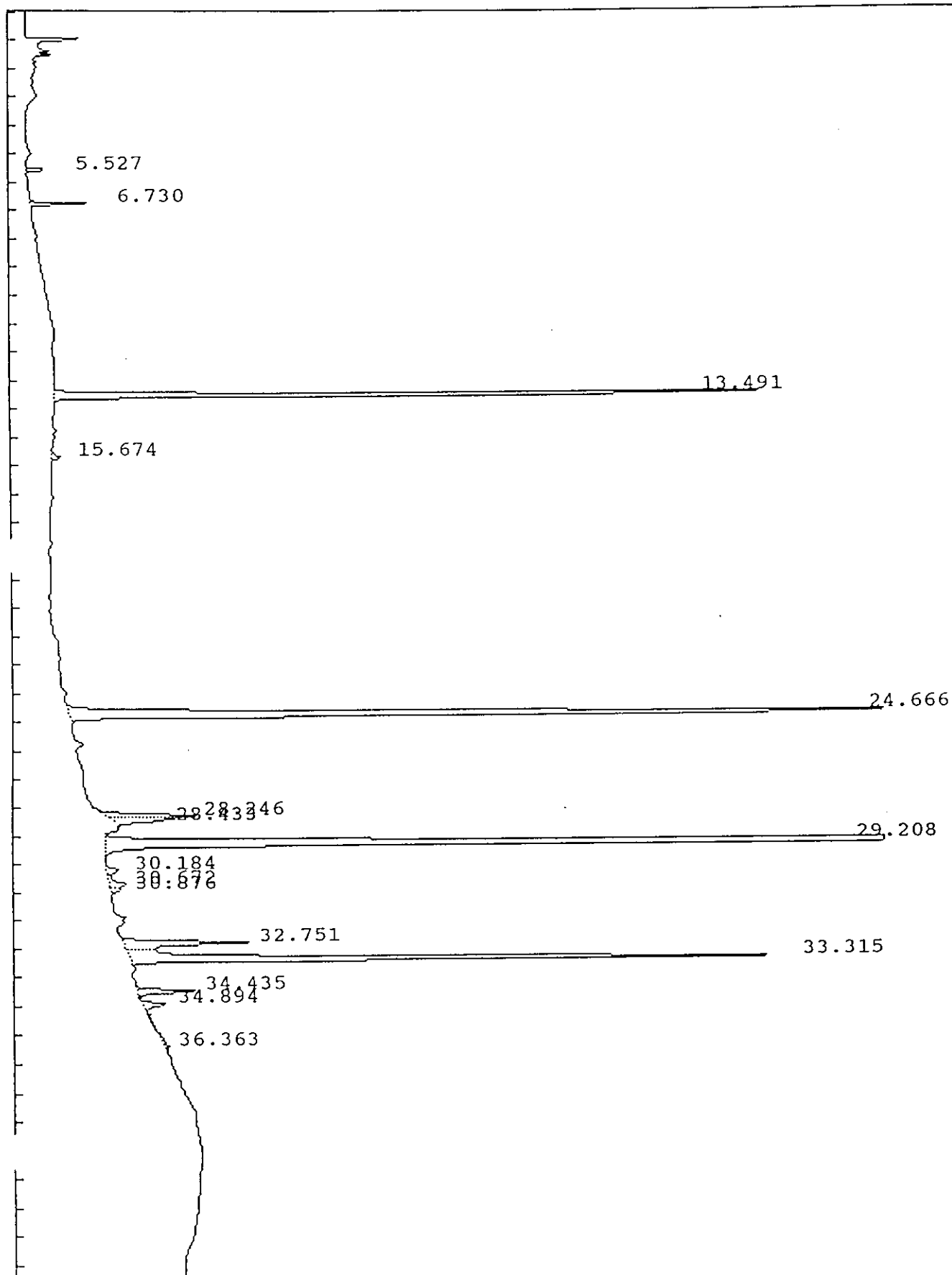
Total Area : 2679551 Total PPB : .687

Report Time : 1122 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /HP58904B/B4116002.RES

## IEA Pesticide Standard Report

Sample Name : EVALB  
Result File : /HP58904B/B4116003.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1917 01Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALB Report No : 57.02  
 Result File : /HP58904B/B4116003.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1917 01Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 3 Bottle no. : 3

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.53		0.000000	12297	BB	0.0000	
2	6.73		0.000000	32294	BB	0.0000	
3	13.49	13.51	0.000000	588455	BB	.4759	Aldrin
4	15.67		0.000000	8652	BB	0.0000	
5	24.67	24.73	0.000000	991739	BB	1.1196	Endrin
6	28.25	28.26	0.000000	98750	FF	.1215	4,4'-DDD
7	28.43		0.000000	47309	FF	0.0000	
8	29.21	29.22	0.000000	1608848	FF	2.4669	4,4'-DDT
9	30.18		0.000000	16285	BV	0.0000	
10	30.67		0.000000	25540	VV	0.0000	
11	30.88		0.000000	10930	VB	0.0000	
12	32.75		0.000000	141979	BV	0.0000	
13	33.31	#33.33	0.000000	640940	VV	.9483	Dibutyl Chlorendate
14	34.43		0.000000	52010	BV	0.0000	ENDRIN KETONE
15	34.89		0.000000	24721	PB	0.0000	
16	36.36		0.000000	8488	BV	0.0000	

03/10/93  
J

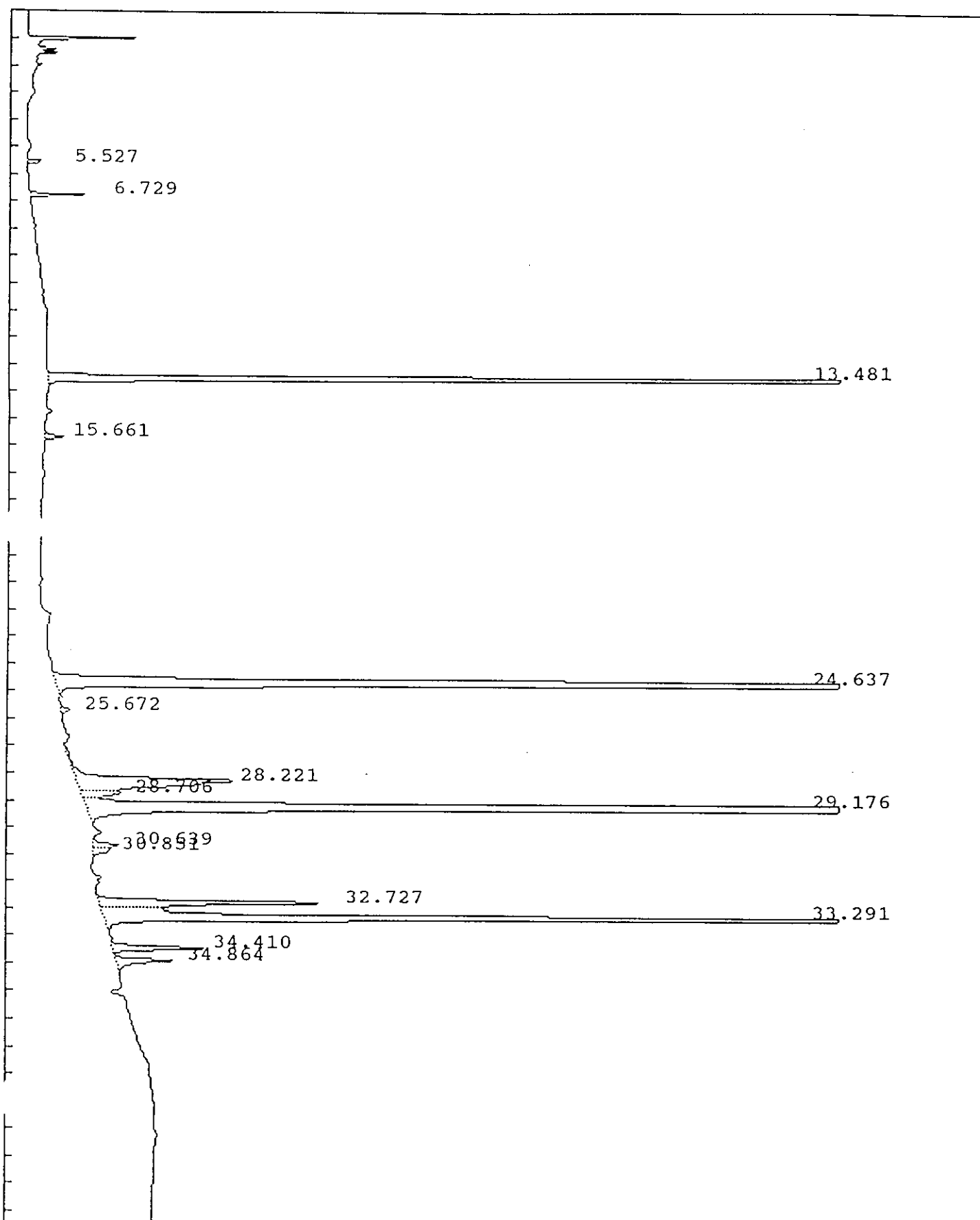
Total Area : 4309237 Total PPB : 5.132

Report Time : 1126 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /HP58904B/B4116003.RES

IEA Pesticide Standard Report

Sample Name : EVALC  
Result File : /HP58904B/B4116004.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 2010 01Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul





IEA Pesticide Standard Report

Sample Name : EVALC Report No : 58.02  
 Result File : /HP58904B/B4116004.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2010 01Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 4 Bottle no. : 4

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.53		.065248	11085	BB	0.0000	
2	6.73		.073675	32868	BB	0.0000	
3	13.48	13.51	.112421	1187509	BB	.9603	Aldrin
4	15.66		.136226	17919	BB	0.0000	
5	24.64		.175448	1978838	BB	0.0000	Endosulfan
6	25.67		.171752	10686	BB	0.0000	
7	28.22	28.22	.341762	380524	PV	.3048	<del>Endosulfan-II</del> 44 DDD
8	28.71		.184120	48270	VV	0.0000	
9	29.18	29.22	.155919	3327498	VB	5.1021	4,4'-DDT
10	30.64		.186826	32203	VV	0.0000	
11	30.85		.166989	19913	VB	0.0000	
12	32.73		.185266	299413	BV	0.0000	
13	33.29	#33.33	.156901	1274316	VB	1.8855	Dibutyl Chlorendate
14	34.41		.148895	95253	VV	0.0000	
15	34.86		.172966	68899	PB	0.0000	

03/10/93  
Jm

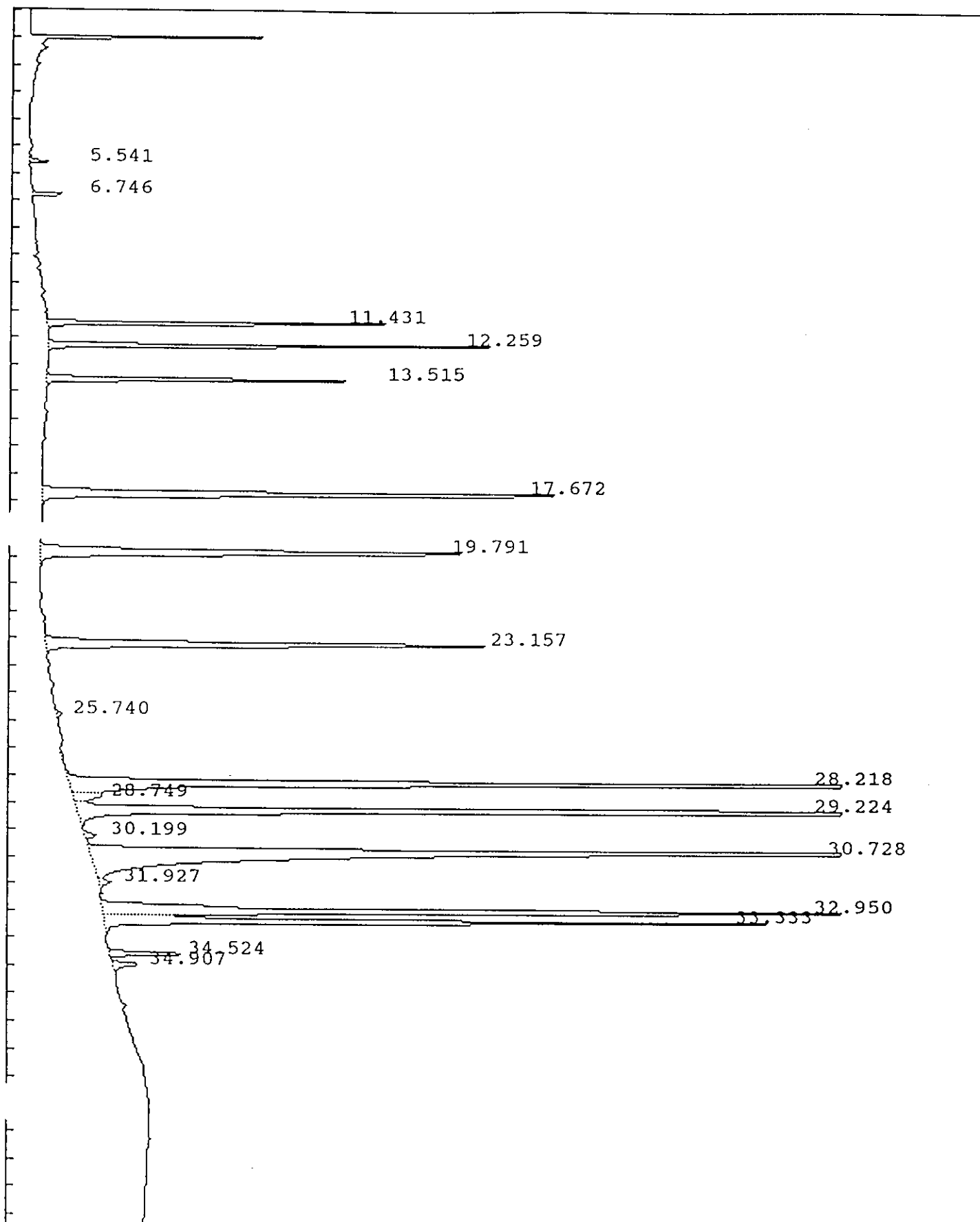
Total Area : 8785196 Total PPB : 8.253

Report Time : 1131 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /HP58904B/B4116004.RES

## IEA Pesticide Standard Report

Sample Name : INDA  
Result File : /DATA/LOOP/RESULT/B4116005.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 2104 01Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDA  
 Result File : /DATA/LOOP/RESULT/B4116005.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2104 01Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 5 Bottle no. : 5

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.54		.064234	11360	BB	0.0000	
2	6.75		.073022	24503	BB	0.0000	
3	11.43	11.43	.081166	254913	BB	.2000	gamma-BHC (Lindane)
4	12.26	12.26	.096728	328656	BB	.2000	Heptachlor
5	13.52	13.51	.107825	247321	BB	.2000	Aldrin
6	17.67	17.67	.166808	627761	BB	.5000	Heptachlor epoxide
7	19.79	19.79	.200185	586458	BB	.5000	Endosulfan I
8	23.16	23.16	.182639	549882	BB	.5000	Dieldrin
9	25.74		.183979	7793	BB	0.0000	
10	28.22	28.22	.168695	1248256	BV	1.0000	Endosulfan II
11	28.75		.231144	44896	VV	0.0000	
12	29.22	29.22	.153314	1304359	VV	2.0000	4,4'-DDT
13	30.20		.183986	15410	PV	0.0000	
14	30.73	30.73	.267586	1584230	VV	2.0000	Endrin aldehyde
15	31.93		.182608	15491	VB	0.0000	
16	32.95	32.95	.159485	1066073	BV	2.5000	Methoxychlor
17	33.33	#33.33	.146021	675865	VB	1.0000	Dibutyl Chlorendate
18	34.52	34.55	.121213	71858	BV	.0715	Endrin ketone
19	34.91		.165886	32465	PB	0.0000	

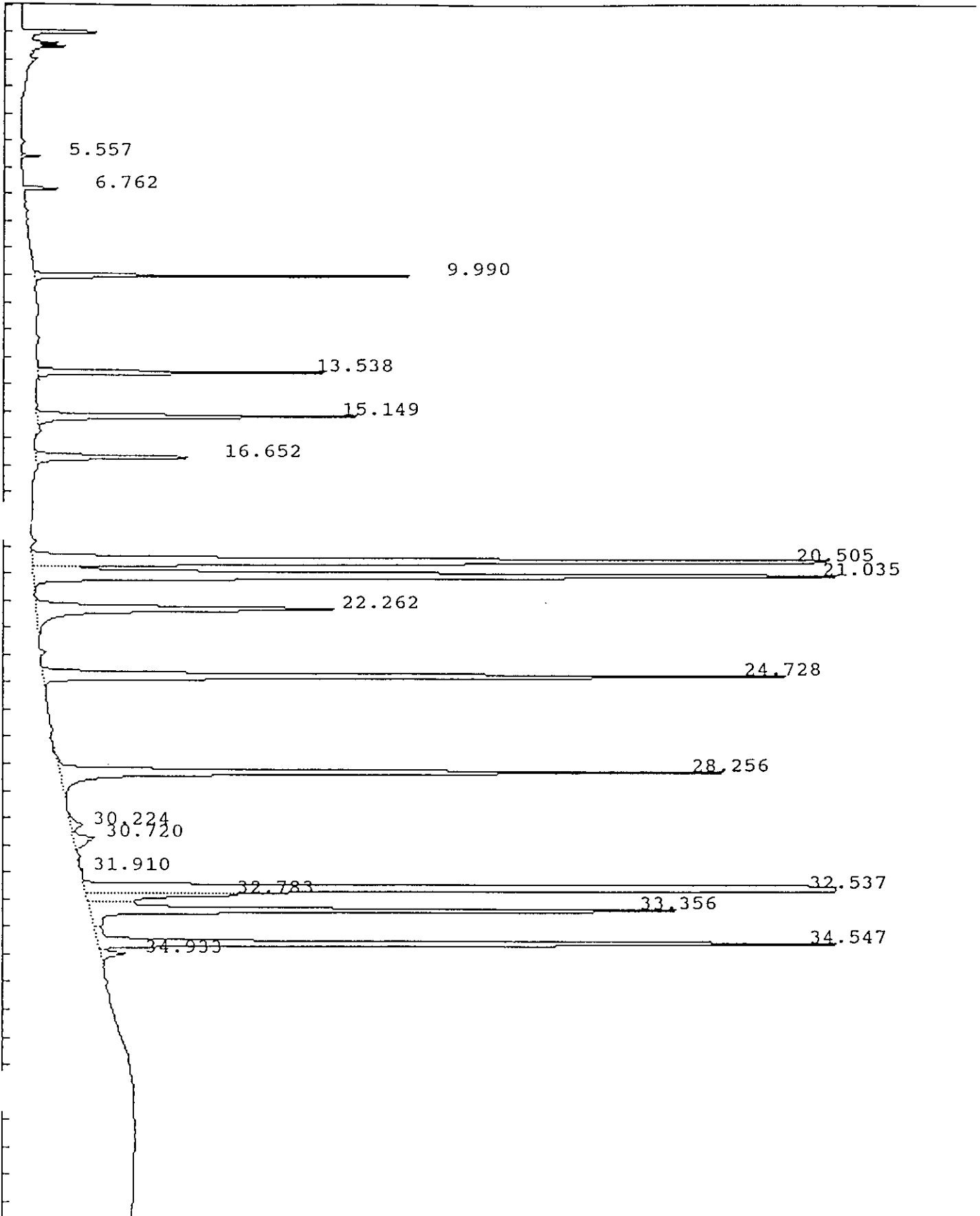
Total Area : 8697550 Total PPB : 10.671

Report Time : 0839 03Mar1993  
 Method : /DATA/LOOP/METHOD/B4116B.MTH  
 Result File : /DATA/LOOP/RESULT/B4116005.RES

IEA Pesticide Standard Report

Sample Name : INDB  
Result File : /HP58904B/B4116006.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 2158 01Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDB Report No : 60.03  
 Result File : /HP58904B/B4116006.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2158 01Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 6 Bottle no. : 6

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.56		.066933	11172	BB	0.0000	
2	6.76		.075833	24451	BB	0.0000	
3	9.99	9.99	.076383	228818	BB	.2000	alpha-BHC
4	13.54	13.51	.111643	233175	BB	.1886	Aldrin
5	15.15	15.15	.140248	318633	BV	.5000	beta-BHC
6	16.65	16.65	.148002	176654	BB	.2000	delta-BHC
7	20.50	20.50	.217289	1235410	BV	1.0000	gamma-Chlordane
8	21.03	21.03	.223982	1261485	VB	1.0000	alpha-Chlordane
9	22.26	22.26	.247945	499599	BB	.4848	4,4'-DDE
10	24.73	24.73	.174109	885783	BB	1.0000	Endrin
11	28.26	28.26	.179191	812721	BB	1.0000	4,4'-DDD
12	30.22		.317124	25081	BV	0.0000	
13	30.72	30.73	.337677	49177	VV	.0621	Endrin aldehyde
14	31.91		.176689	4261	VV	0.0000	
15	32.54	32.54	.142244	3418573	PV	5.0000	Endosulfan sulfate
16	32.78		.200908	218992	VV	0.0000	
17	33.36	#33.33	.161964	716700	VV	1.0604	Dibutyl Chlorendate
18	34.55	34.55	.140073	1005141	VV	1.0000	Endrin ketone
19	34.93		.207490	37290	VB	0.0000	

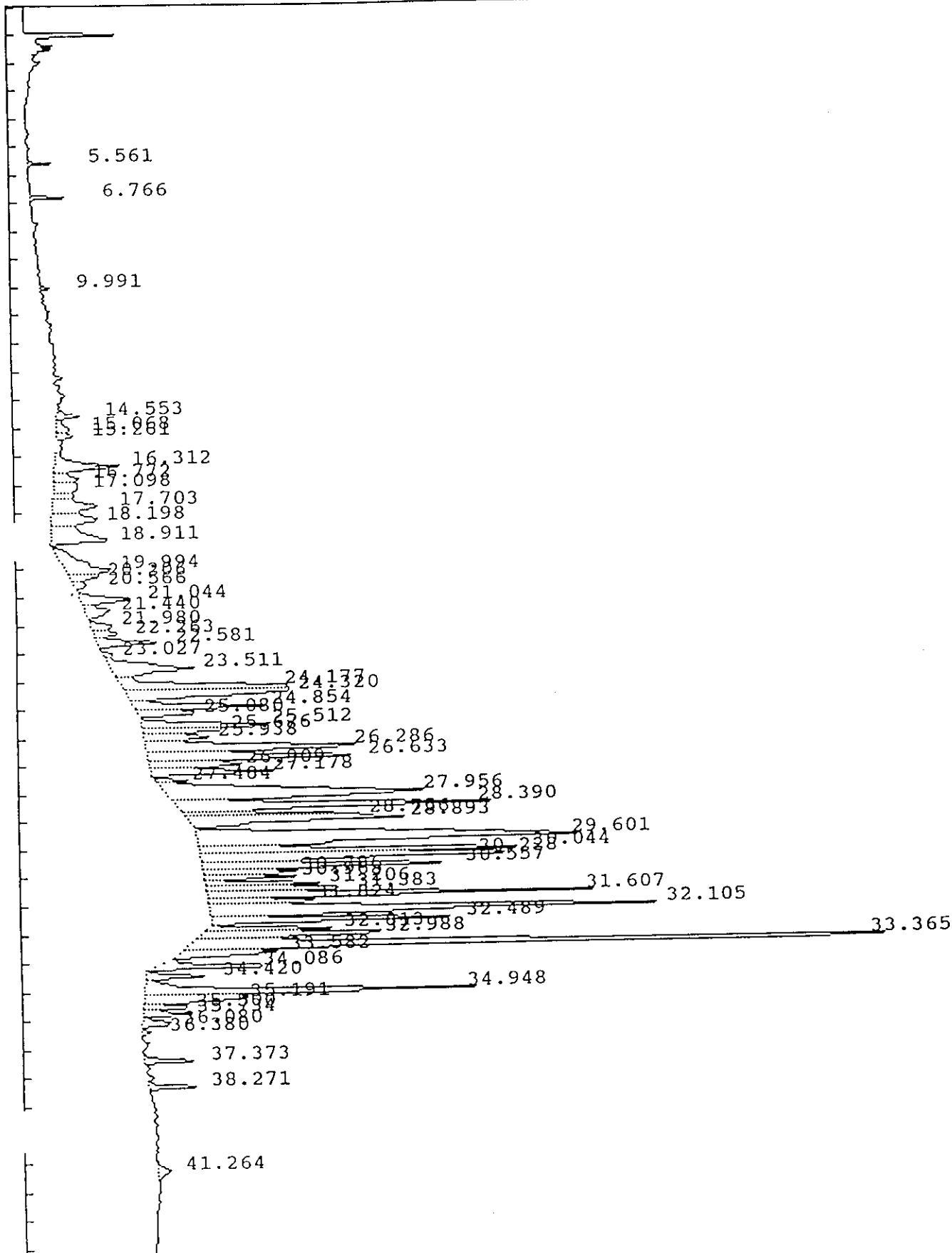
Total Area : 11163120 Total PPB : 12.696

Report Time : 1151 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /HP58904B/B4116006.RES

IEA Pesticide Standard Report

Sample Name : TOXAPH 1.0ng  
 Result File : /DATA/LOOP/RESULT/B4116007.RES  
 Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 2252 01Mar1993  
 INSTRUMENT: HP58904B  
 Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : TOXAPH 1.0ng Report No : 61.10  
 Result File : /DATA/LOOP/RESULT/B4116007.RES Inj. Vol. : 1 ul  
 Column Type : DB-1701 30 Meter, 0.53mm ID  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.02 Mins. Injected on 2252 01Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 7 Bottle no. : 7

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.56		.065050	12009	BB	0.0000	
2	6.77		.072720	22566	BB	0.0000	
3	9.99	9.99	.087898	6089	BV	.0053	<del>alpha-BHC</del>
4	14.55		.149241	24277	BV	0.0000	
5	15.07		.302508	24638	VV	0.0000	
6	15.26		.170466	18460	VV	0.0000	
7	16.31		.262693	114905	VV	0.0000	
8	16.77		.251904	40944	VV	0.0000	
9	17.10		.341554	54018	VV	0.0000	
10	17.70	17.67	.341618	100869	VV	.0803	<del>Heptachlor epoxide</del>
11	18.20		.350812	105041	VV	0.0000	
12	18.91		.383255	147787	VB	0.0000	
13	19.99		.470544	145225	BV	0.0000	
14	20.21		.211737	41567	VV	0.0000	
15	20.57	20.50	.219745	16638	VB	.0135	<del>gamma-Chlordane</del>
16	21.04	21.03	.236462	79803	BV	.0633	<del>alpha-Chlordane</del>
17	21.44		.299057	49705	VV	0.0000	
18	21.98		.229511	33442	VV	0.0000	
19	22.26		.201028	32956	VV	0.0000	
20	22.58	22.62	.202050	82796	VB	.0803	4,4'-DDE
21	23.03		.199004	13406	BV	0.0000	
22	23.51		.316013	174318	VV	0.0000	
23	24.18		.221943	238672	VV	0.0000	
24	24.32		.250209	266025	VV	0.0000	
25	24.85		.172566	150181	VV	0.0000	
26	25.08		.169761	67055	VB	0.0000	
27	25.51		.184445	157361	BV	0.0000	
28	25.68		.140255	73037	VV	0.0000	
29	25.94		.187202	79505	VV	0.0000	
30	26.29		.250132	338690	VV	0.0000	
31	26.63		.206172	282570	VV	0.0000	
32	26.91		.192848	114729	VV	0.0000	
33	27.18		.157078	129315	VB	0.0000	
34	27.48		.121562	26876	BV	0.0000	
35	27.96		.351070	587011	VV	0.0000	
36	28.39		.211924	430065	VV	0.0000	
37	28.76		.132529	154270	VV	0.0000	
38	28.89		.189096	272993	VB	0.0000	
39	29.60		.340348	859962	BV	0.0000	
40	30.04		.158625	345648	VV	0.0000	

## IEA Pesticide Standard Report

K#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	30.23		.173508	383068	VV	0.0000	
42	30.56		.167543	279354	VV	0.0000	
43	30.79		.145833	91925	VV	0.0000	
44	30.96		.122166	75442	VV	0.0000	
45	31.21		.139705	106438	VV	0.0000	
46	31.38		.149452	140494	VV	0.0000	
47	<u>31.61</u>		.140790	<u>364443</u>	<u>VV</u>	0.0000	
48	31.82		.140511	104346	VV	0.0000	
49	<u>32.10</u>		.208529	<u>641732</u>	<u>VV</u>	0.0000	
50	32.49	32.54	.148211	243971	VB	.3568	Endosulfan sulfate
51	32.81		.124158	105033	BV	0.0000	
52	32.99	32.95	.173180	231113	VV	.5420	Methoxychlor
53	33.36	#33.33	.144476	831340	VV	1.2300	Dibutyl Chlorendate
54	33.58		.193878	123997	VB	0.0000	
55	34.09		.124393	102447	BB	0.0000	
56	34.42		.139504	56357	BV	0.0000	
57	34.95		.185810	405781	VV	0.0000	
58	35.19		.204894	137234	VV	0.0000	
59	35.50		.128933	44812	VV	0.0000	
60	35.73		.128017	43641	VV	0.0000	
61	36.08		.188416	36120	VB	0.0000	
62	36.38		.108635	7481	BB	0.0000	
63	37.37		.126872	46942	PV	0.0000	
64	38.27		.111877	40282	VV	0.0000	
65	41.26		.310360	26971	BV	0.0000	

07/08/93  
3/21

Total Area : 10586192 Total PPB : 2.372

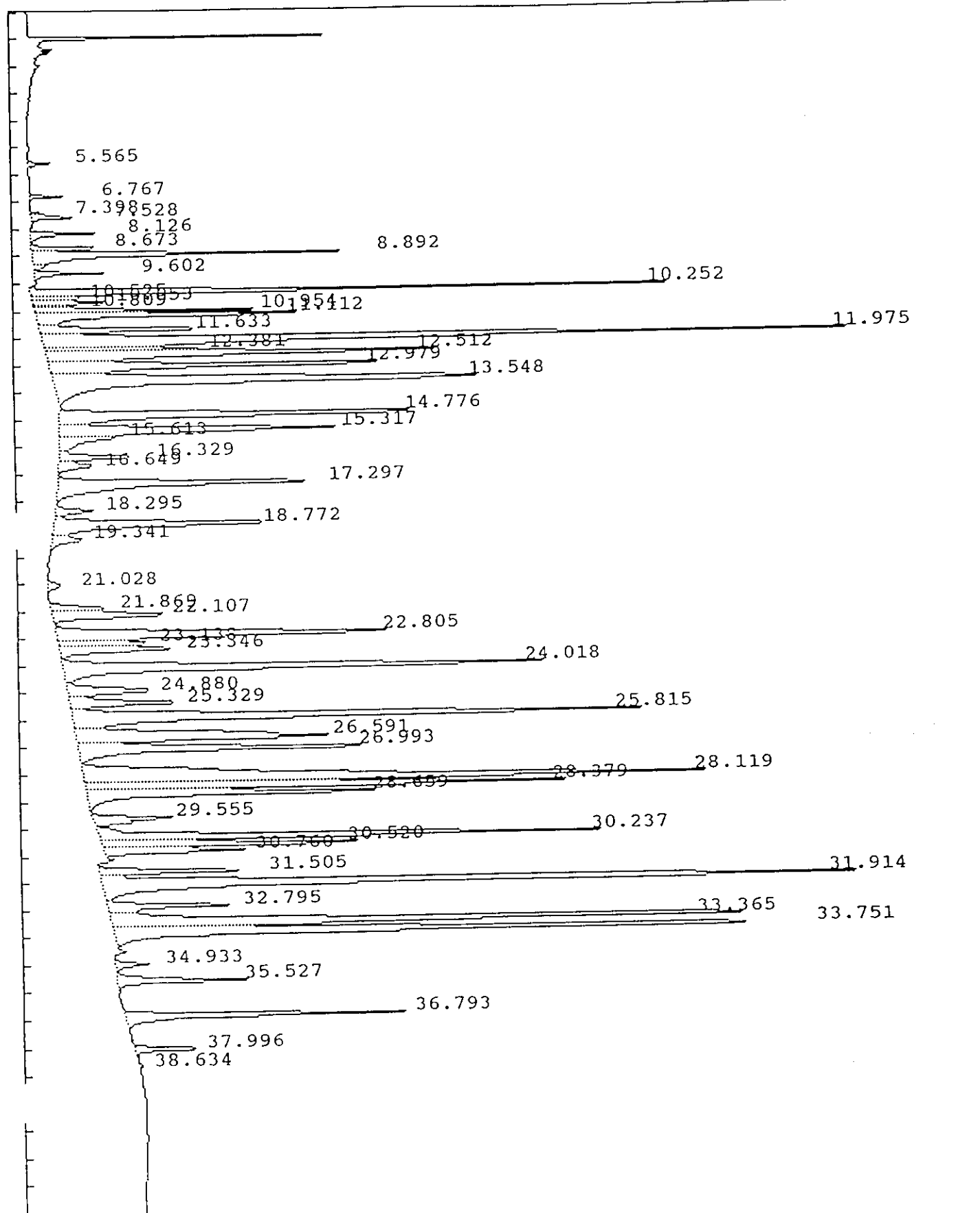
Report Time : 1955 04Mar1993  
Method : /DATA/LOOP/METHOD/B4116\_007.MT  
Result File : /DATA/LOOP/RESULT/B4116007.RES



IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng  
Result File : /DATA/LOOP/RESULT/B4116008.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 2346 01Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng Report No : 62.10  
 Result File : /DATA/LOOP/RESULT/B4116008.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2346 01Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 8 Bottle no. : 8

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.56		.075718	13946	BB	0.0000	
2	6.77		.072676	20938	BB	0.0000	
3	7.40		.076523	9669	BV	0.0000	
4	7.53		.088872	34997	VB	0.0000	
5	8.13		.115728	55205	BV	0.0000	
6	8.67		.101330	60981	PV	0.0000	
7	<u>8.89</u>		.134622	<u>311022</u>	VV	0.0000	
8	9.60		.096627	52784	VV	0.0000	
9	<u>10.25</u>		.107263	<u>506865</u>	BV	0.0000	
10	10.53		.097836	<u>31732</u>	VV	0.0000	
11	10.65		.107068	59211	VV	0.0000	
12	10.81		.097580	26585	VV	0.0000	
13	10.95		.100151	164399	VV	0.0000	
14	11.11		.125693	277521	VV	0.0000	
15	11.63		.153650	190856	VV	0.0000	
16	<u>11.97</u>		.168371	<u>1039392</u>	VV	0.0000	
17	12.38		.105984	110085	VV	0.0000	
18	<u>12.51</u>		.195265	<u>536495</u>	VV	0.0000	
19	12.98		.174711	<u>447585</u>	VV	0.0000	
20	<u>13.55</u>	13.51	.307510	<u>874058</u>	VB	.7068	Aldrin
21	14.78		.209752	<u>522790</u>	BV	0.0000	
22	15.32		.213895	409475	VV	0.0000	
23	15.61		.254714	97477	VV	0.0000	
24	16.33		.179064	95989	VV	0.0000	
25	16.65	16.65	.216709	50375	VB	.0570	delta-BHC
26	17.30		.239490	421964	BB	0.0000	
27	18.29		.184666	47311	BV	0.0000	
28	18.77		.241859	360894	VV	0.0000	
29	19.34		.250000	50995	VB	0.0000	
30	21.03	21.03	.225926	19096	BB	.0151	alpha-Chlordane
31	21.87		.180136	66016	BV	0.0000	
32	22.11		.228002	177189	VB	0.0000	
33	22.81		.230167	518464	BV	0.0000	
34	23.14	23.16	.177377	107333	VV	.0976	Dieldrin
35	23.35		.215066	167182	VV	0.0000	
36	24.02		.225169	737764	VV	0.0000	
37	24.88		.260862	147954	VV	0.0000	
38	25.33		.208620	157433	VV	0.0000	
39	<u>25.82</u>		.222012	<u>864745</u>	VV	0.0000	
40	26.59		.297795	507116	VV	0.0000	

03/08/93  
Jm

## IEA Pesticide Standard Report

pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
.1	26.99		.224754	463120	VV	0.0000	
42	<u>28.12</u>		.277672	<u>1172155</u>	<u>VV</u>	0.0000	
43	28.38		.175780	580779	VV	0.0000	
44	28.66		.193995	394426	VB	0.0000	
45	29.56		.202285	118071	BV	0.0000	
46	<u>30.24</u>		.165561	<u>580416</u>	VV	0.0000	
47	30.52		.161712	289709	VV	0.0000	
48	30.76	30.73	.153356	148057	VV	.1869	Endrin aldehyde
49	31.51		.157023	166243	BV	0.0000	
50	<u>31.91</u>		.184120	<u>1233217</u>	VV	0.0000	07/08/93 Ben
51	32.80		.181423	161386	VV	0.0000	
52	33.36	#33.33	.192801	935600	VV	1.3843	Dibutyl Chlorendate
53	<u>33.75</u>		.188736	<u>907404</u>	VV	0.0000	
54	34.93		.153977	38191	BV	0.0000	
55	35.53		.162280	149668	VV	0.0000	
56	36.79		.152601	303953	PV	0.0000	
57	38.00		.129915	64184	VV	0.0000	
58	38.63		.223517	3450	VB	0.0000	

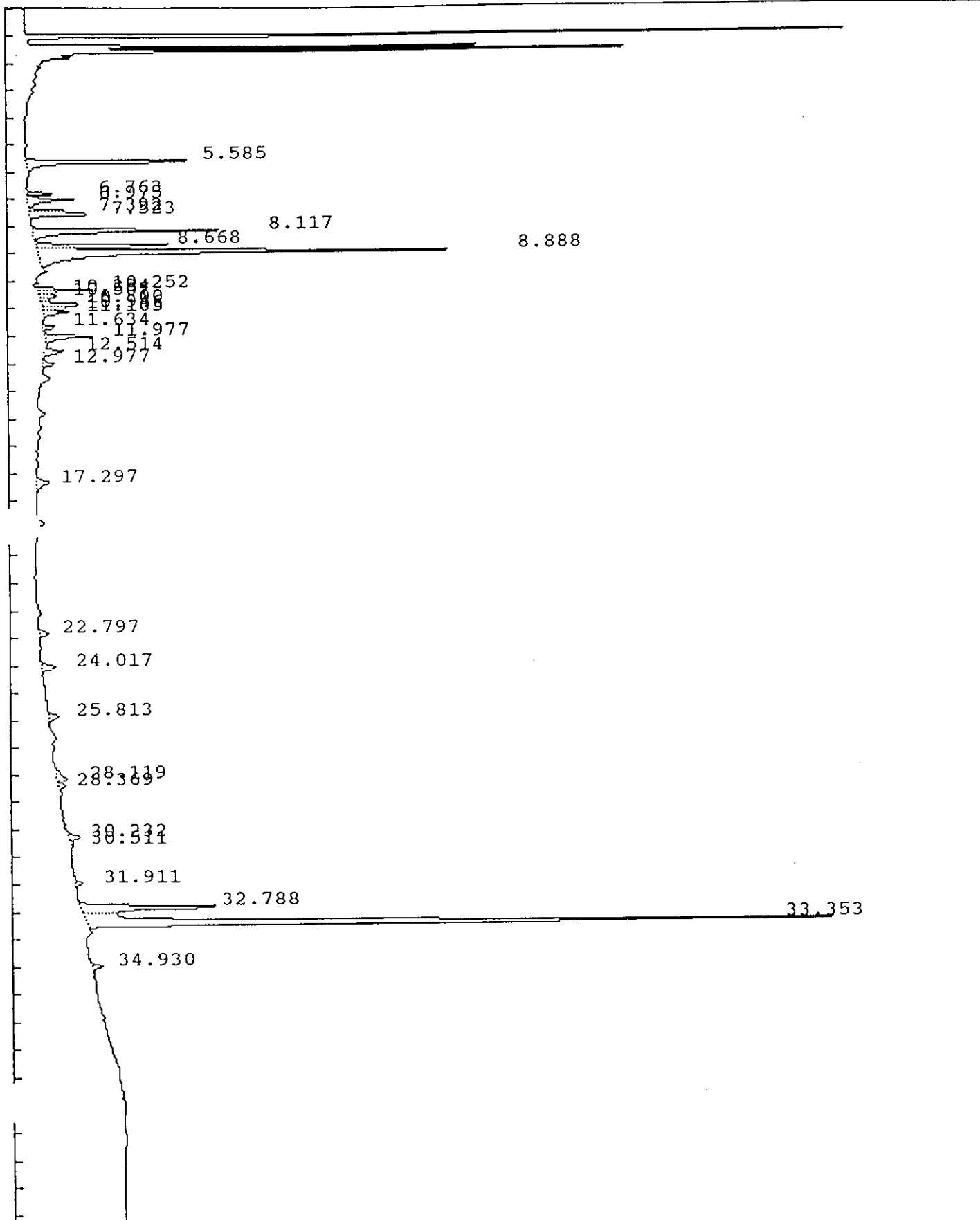
Total Area : 18061924 Total PPB : 2.448

Report Time : 2001 04Mar1993  
Method : /DATA/LOOP/METHOD/B4116\_008.MT  
Result File : /DATA/LOOP/RESULT/B4116008.RES

IEA Pesticide Standard Report

Sample Name : AR1221 1.0ng  
Result File : /DATA/LOOP/RESULT/B4116009.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0039 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1221 1.0ng Report No : 63.00  
 Result File : /DATA/LOOP/RESULT/B4116009.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.02 Mins. Injected on 0039 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 9 Bottle no. : 9

% Dil-Fact  
100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.58		.094145	148091	BB	0.0000	
2	6.76		.077399	18116	BV	0.0000	
3	6.98		.125784	44540	VV	0.0000	
4	7.39		.079038	28800	VV	0.0000	
5	7.52		.092242	53761	VB	0.0000	
6	<u>8.12</u>		.117599	<u>172984</u>	<u>BV</u>	0.0000	
7	8.67		.098969	109062	VV	0.0000	
8	<u>8.89</u>		.135489	<u>438583</u>	<u>VV</u>	0.0000	
9	10.25		.084641	34116	BV	0.0000	
10	10.38		.088919	11124	VV	0.0000	
11	10.51		.123731	14277	VV	0.0000	
12	<u>10.80</u>		.122051	<u>36816</u>	<u>VV</u>	0.0000	
13	10.95		.104459	<u>17893</u>	<u>VV</u>	0.0000	
14	<u>11.10</u>		.112280	<u>20776</u>	<u>VB</u>	0.0000	
15	11.63		.114619	10952	BV	0.0000	
16	<u>11.98</u>		.137520	<u>49061</u>	<u>PB</u>	0.0000	
17	12.51		.147664	19247	BV	0.0000	
18	12.98		.133229	12556	PV	0.0000	
19	17.30		.241237	21580	BB	0.0000	
20	22.80		.187733	12462	BB	0.0000	
21	24.02		.190320	18882	BB	0.0000	
22	25.81		.219620	17112	BB	0.0000	
23	28.12		.264966	16738	BV	0.0000	
24	28.37	28.35	.153167	6634	VV	.0049	<del>Endosulfan II</del>
25	30.23		.108198	8775	BV	0.0000	03/08/93 JW
26	30.51		.165064	3824	VV	0.0000	
27	31.91		.167833	9133	BB	0.0000	
28	32.79		.178418	182990	BV	0.0000	
29	33.35	#33.44	.145765	773163	VV	1.0329	Dibutyl Chlorendate
30	34.93		.155787	11920	BB	0.0000	

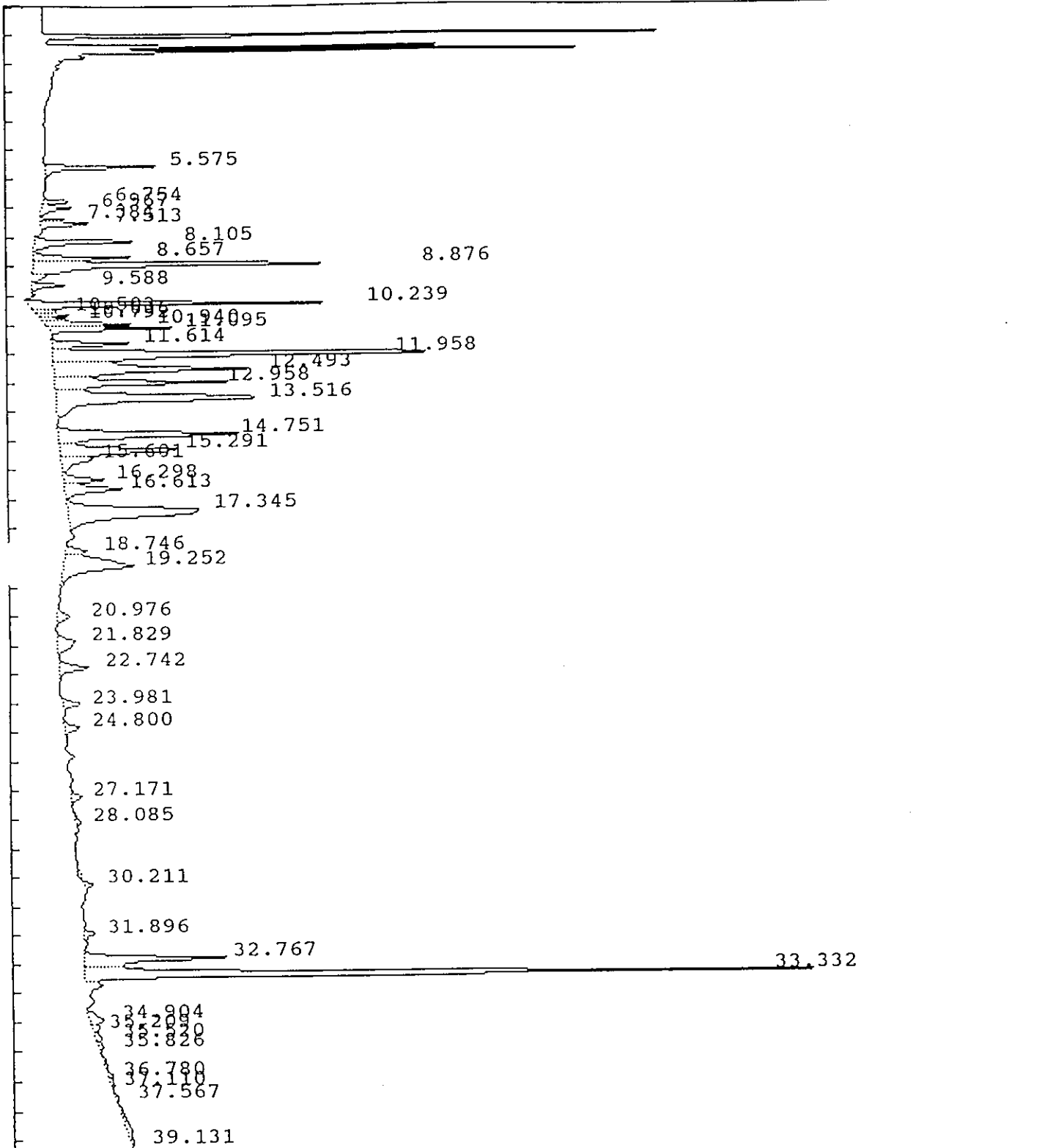
Total Area : 2323968 Total PPB : 1.038

Report Time : 0125 02Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /DATA/LOOP/RESULT/B4116009.RES

IEA Pesticide Standard Report

Sample Name : AR1232 1.0ng  
Result File : /DATA/LOOP/RESULT/B4116010.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0133 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : AR1232 1.0ng Report No : 64.10  
 Result File : /DATA/LOOP/RESULT/B4116010.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0133 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 10 Bottle no. : 10

% Dil-Fact  
100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.58		.104381	94321	BB	0.0000	
2	6.75		.084521	20554	BV	0.0000	
3	6.97		.146057	31019	VV	0.0000	
4	7.38		.084359	17485	PV	0.0000	
5	7.51		.097860	39249	VB	0.0000	
6	8.11		.126483	101024	BB	0.0000	
7	8.66		.109861	80454	BV	0.0000	
8	<del>8.88</del>		.142523	<u>337555</u>	VV	0.0000	
9	9.59		.114082	31439	PV	0.0000	
10	<u>10.24</u>		.110768	<u>247377</u>	BV	0.0000	
11	10.50		.114607	17338	VV	0.0000	
12	10.64		.108486	24830	VV	0.0000	
13	10.79		.095960	17976	VV	0.0000	
14	10.94		.106691	72513	VV	0.0000	
15	11.09		.106295	97099	VV	0.0000	
16	11.61		.137539	74728	BV	0.0000	
17	<u>11.96</u>		.174448	<u>502295</u>	VV	0.0000	
18	<u>12.49</u>		.237291	<u>314840</u>	VV	0.0000	
19	12.96		.183403	214561	VV	0.0000	
20	<u>13.52</u>	13.51	.307651	<u>396298</u>	VV	.3205	<del>Aldrin</del>
21	14.75		.214270	255903	BV	0.0000	
22	15.29		.220846	183859	VV	0.0000	
23	15.60		.252801	55966	VV	0.0000	
24	16.30		.183377	49523	VV	0.0000	
25	16.61	16.65	.225623	85665	VV	.0970	<del>delta-BHC</del>
26	17.34		.405156	346503	VV	0.0000	
27	18.75		.189753	25947	BV	0.0000	
28	19.25		.431690	198457	VB	0.0000	
29	20.98	21.03	.261921	20650	BB	.0164	<del>alpha-Chlordane</del>
30	21.83		.389562	46673	BB	0.0000	
31	22.74		.264204	51891	BB	0.0000	
32	23.98		.200232	25368	BV	0.0000	
33	24.80	24.73	.227102	23742	BB	.0268	<del>Endrin</del>
34	27.17		.228528	18723	VV	0.0000	
35	28.09		.229544	8751	PV	0.0000	
36	30.21		.084682	5733	BV	0.0000	
37	31.90		.187603	13734	PV	0.0000	
38	32.77		.205468	198880	VV	0.0000	
39	33.33	#33.33	.160314	784035	VV	1.1601	Dibutyl Chlorendate
40	34.90		.294061	30255	PV	0.0000	

05/08/93  
Blm

## IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	35.21		.268362	12566	VV	0.0000	
42	35.52		.239193	10304	VV	0.0000	
43	35.83		.279929	8739	VV	0.0000	
44	36.78		.385458	14884	VV	0.0000	
45	37.11		.324772	7103	VV	0.0000	
46	37.57		.296471	6353	PV	0.0000	
47	39.13		2.431570	34468	VV	0.0000	

Total Area : 5257632 Total PPB : 1.621

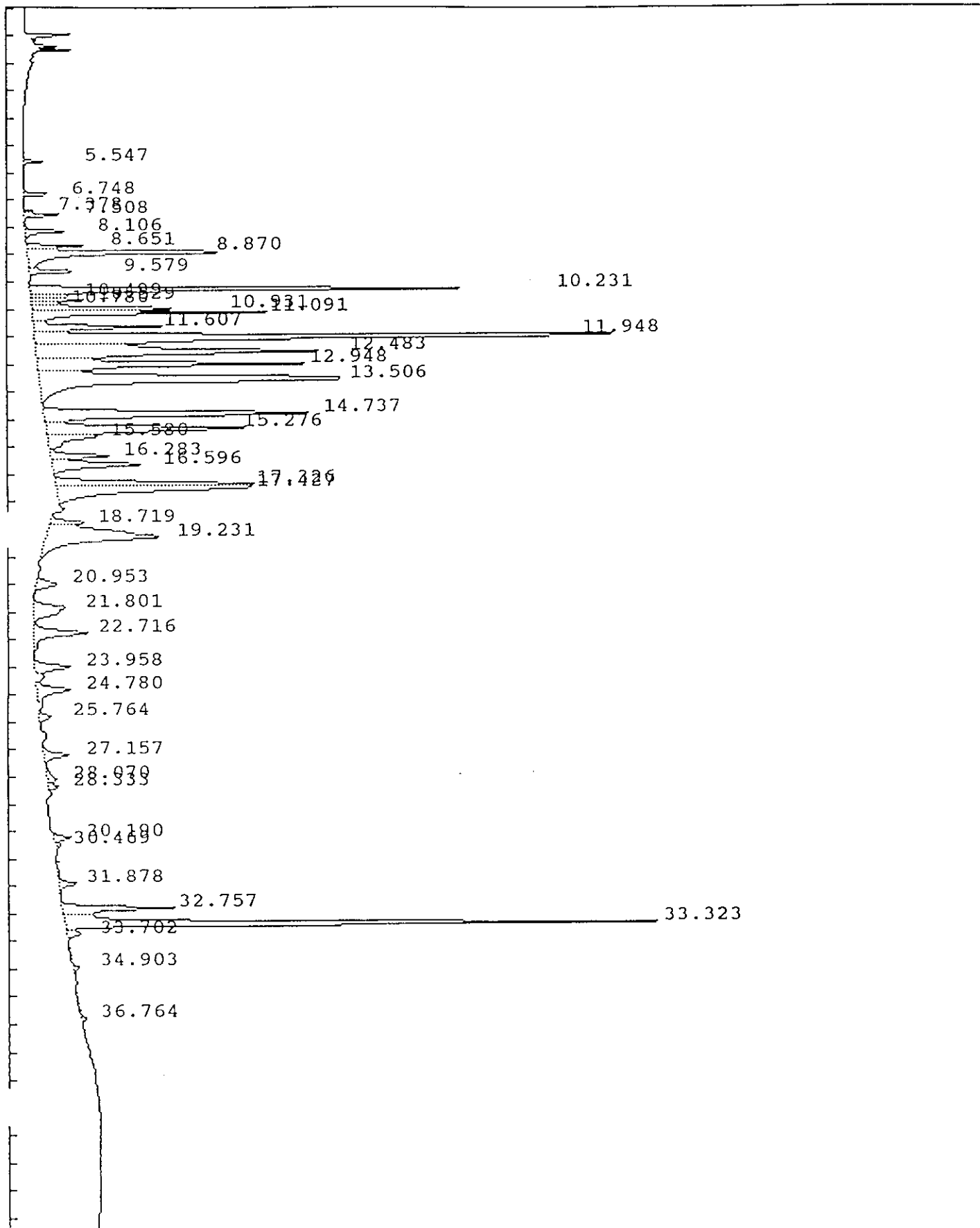
Report Time : 2009 04Mar1993  
Method : /DATA/LOOP/METHOD/B4116\_010.MT  
Result File : /DATA/LOOP/RESULT/B4116010.RES



IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng  
 Result File : /DATA/LOOP/RESULT/B4116011.RES  
 Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0227 02Mar1993  
 INSTRUMENT: HP58904B  
 Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng Report No : 65.20  
 Result File : /DATA/LOOP/RESULT/B4116011.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0227 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 11 Bottle no. : 11

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.55		.076058	12911	BB	0.0000	
2	6.75		.076445	19735	BB	0.0000	
3	7.38		.075739	6250	BV	0.0000	
4	7.51		.090664	26855	VB	0.0000	
5	8.11		.119193	39514	BB	0.0000	
6	8.65		.099290	42373	BV	0.0000	
7	<u>8.87</u>		.148787	<u>254528</u>	<u>VV</u>	0.0000	
8	9.58		.101355	41294	VB	0.0000	
9	<u>10.23</u>		.113998	<u>407157</u>	<u>BV</u>	0.0000	
10	10.50		.095100	24465	VV	0.0000	
11	10.63		.108477	43129	VV	0.0000	
12	10.78		.086800	18250	VV	0.0000	
13	10.93		.105616	128225	VV	0.0000	
14	11.09		.127723	220534	VV	0.0000	
15	11.61		.147667	134016	VV	0.0000	
16	<u>11.95</u>		.176902	<u>799485</u>	<u>VV</u>	0.0000	
17	<u>12.48</u>		.238262	<u>487189</u>	<u>VV</u>	0.0000	
18	12.95		.185412	343668	VV	0.0000	
19	<u>13.51</u>	13.51	.310701	<u>637567</u>	<u>VB</u>	.5156	Aldrin
20	14.74		.211627	382478	BV	0.0000	
21	15.28		.216038	293652	VV	0.0000	
22	15.58		.251672	84995	VV	0.0000	
23	16.28		.166941	70065	VV	0.0000	
24	16.60	16.65	.212155	132419	VV	.1499	<del>delta-BHC</del>
25	17.33		.171132	225287	PV	0.0000	
26	17.43		.243243	314734	VV	0.0000	
27	18.72		.184006	41913	BV	0.0000	
28	19.23		.435896	334494	VB	0.0000	
29	20.95	21.03	.246602	34989	BV	.0277	alpha-Chlordane
30	21.80		.398959	85783	PV	0.0000	
31	22.72	22.62	.278431	101282	VV	.0983	4,4-DDE
32	23.96		.243619	60729	PV	0.0000	
33	24.78	24.73	.280691	65046	VV	.0734	Endrin
34	25.76		.226265	19561	VV	0.0000	
35	27.16		.228733	37857	VV	0.0000	
36	28.07		.252873	17375	VV	0.0000	
37	28.33	28.26	.146765	11689	VV	.0144	4,4-DDD
38	30.19		.178052	22125	BV	0.0000	
39	30.47		.160199	5846	VV	0.0000	
40	31.88		.210197	28366	BB	0.0000	

03/08/93  
Jln

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	32.76		.194412	152477	BV	0.0000	
42	33.32	#33.33	.155132	648009	VV	.9588	Dibutyl Chlorendate
43	33.70		.188756	18319	VB	0.0000	
44	34.90		.080048	3856	BB	0.0000	
45	36.76		.011046	375	BV	0.0000	

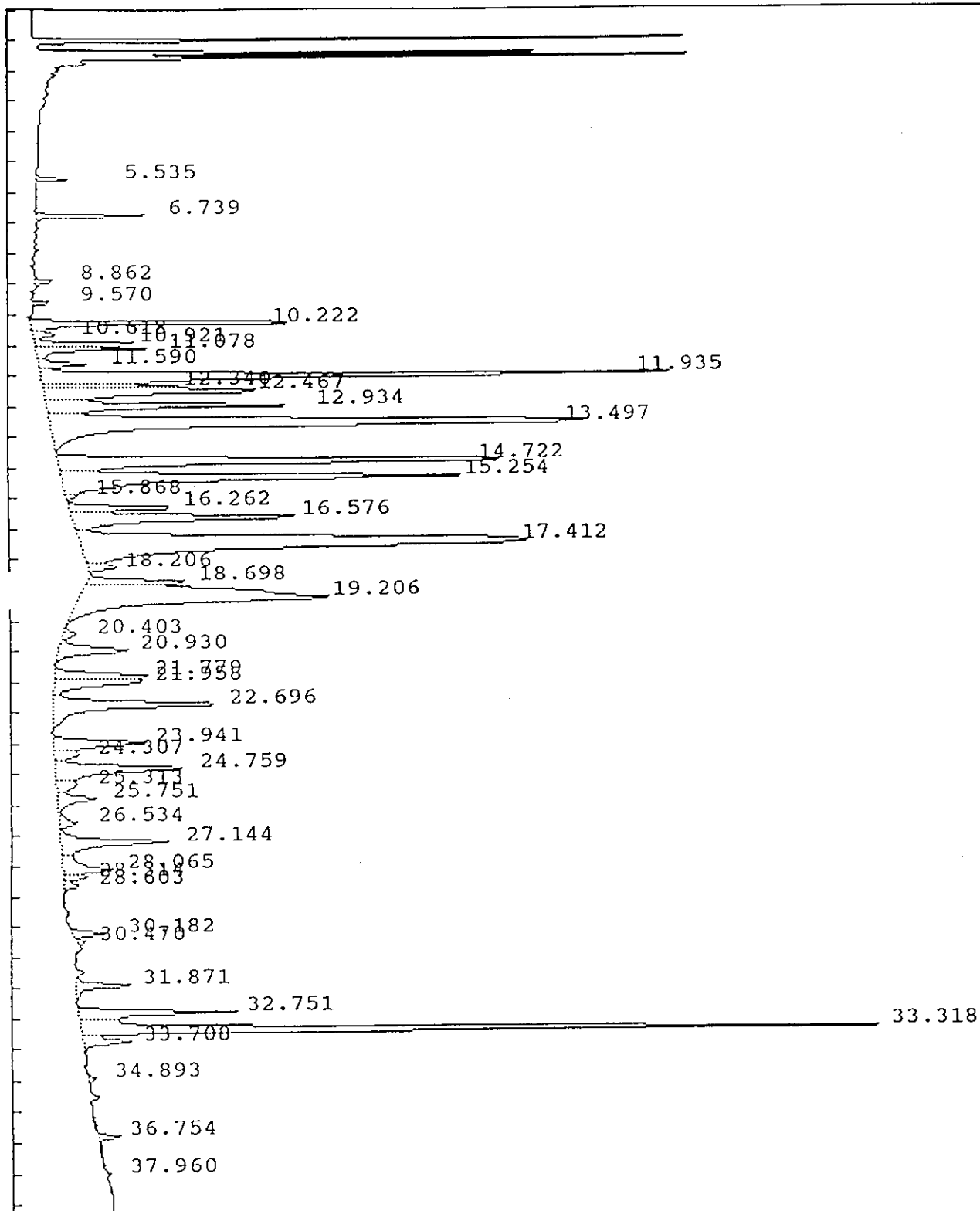
Total Area : 6880867 Total PPB : 1.838

Report Time : 2022 04Mar1993  
Method : /DATA/LOOP/METHOD/B4116\_011.MT  
Result File : /DATA/LOOP/RESULT/B4116011.RES

## IEA Pesticide Standard Report

Sample Name : AR1248 1.0ng  
Result File : /DATA/LOOP/RESULT/B4116012.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0321 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1248 1.0ng Report No : 66.10  
 Result File : /DATA/LOOP/RESULT/B4116012.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0321 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 12 Bottle no. : 12

% Dil-Fact  
 100.00

Run Status : RunStatusOK

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.54		.068518	20132	BB	0.0000	
2	6.74		.079634	73482	BB	0.0000	
3	8.86		.104760	15829	BB	0.0000	
4	9.57		.089658	12845	BB	0.0000	
5	10.22		.109610	241073	BV	0.0000	
6	10.62		.141985	22332	VV	0.0000	
7	10.92		.100302	80765	VV	0.0000	
8	11.08		.126381	96807	VV	0.0000	
9	11.59		.155992	48351	VV	0.0000	
10	11.94		.170713	703042	VV	0.0000	
11	12.34		.117142	109320	VV	0.0000	
12	12.47		.184670	275281	VV	0.0000	
13	12.93		.169567	270857	VV	0.0000	
14	13.50	13.51	.302907	993392	VB	.8033	Aldrin
15	14.72		.207634	600929	BV	0.0000	
16	15.25		.235738	581525	VV	0.0000	
17	15.87		.134711	11546	VV	0.0000	
18	16.26		.162740	113835	PV	0.0000	
19	16.58		.232621	330252	VV	0.0000	
20	17.41		.434304	1167299	VV	0.0000	
21	18.21		.203261	35600	VB	0.0000	
22	18.70		.180760	111211	BV	0.0000	
23	19.21		.475720	714300	VB	0.0000	
24	20.40	20.50	.219430	16659	BV	.0135	gamma-Chlordane
25	20.93		.264251	111730	VB	0.0000	
26	21.78		.212992	123069	BV	0.0000	
27	21.96		.231554	123735	VV	0.0000	
28	22.70	22.62	.279785	285728	VB	.2773	4,4'-DDE
29	23.94		.242284	139754	BV	0.0000	
30	24.31		.223100	33446	VV	0.0000	
31	24.76	24.73	.284708	225734	VV	.2548	Endrin
32	25.31		.293215	35878	VV	0.0000	
33	25.75		.250186	60911	VV	0.0000	
34	26.53		.232382	25797	VV	0.0000	
35	27.14		.258422	177274	VV	0.0000	
36	28.07		.284456	88666	VV	0.0000	
37	28.31	28.26	.173417	24749	VV	.0305	4,4'-DDD
38	28.60		.180264	16389	VB	0.0000	
39	30.18		.161727	33179	BV	0.0000	
40	30.47		.145933	8962	VV	0.0000	

## IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	31.87		.184469	65031	VV	0.0000	
42	32.75		.189380	187460	PV	0.0000	
43	33.32	#33.33	.151515	780938	VV	1.1555	Dibutyl Chlorendate
44	33.71		.186098	55378	VB	0.0000	
45	34.89		.106497	5541	BB	0.0000	
46	36.75		.115779	17132	BB	0.0000	
47	37.96		.073301	2175	BV	0.0000	

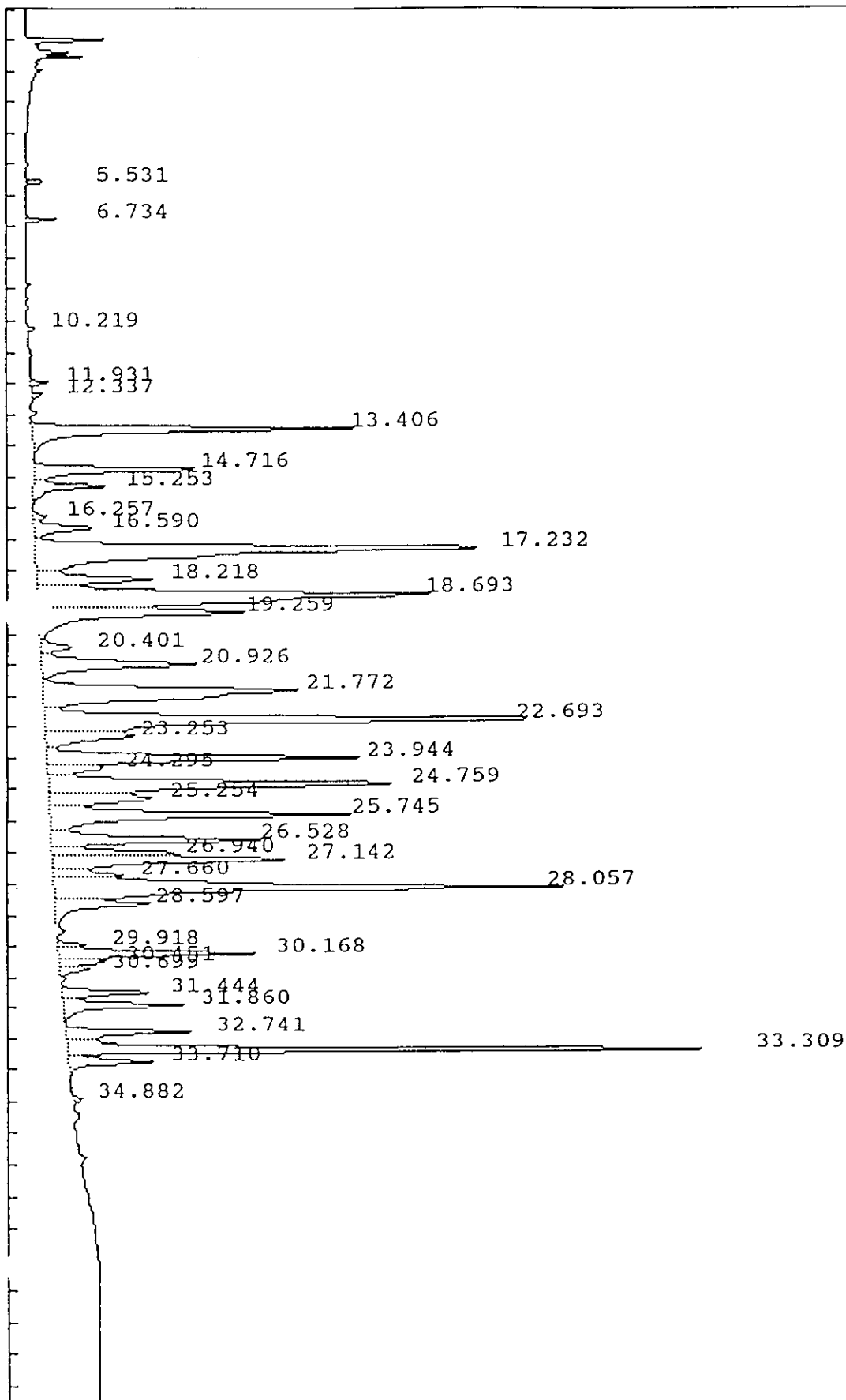
Total Area : 9275320 Total PPB : 2.535

Report Time : 2031 04Mar1993  
Method : /DATA/LOOP/METHOD/B4116\_012.MT  
Result File : /DATA/LOOP/RESULT/B4116012.RES

## IEA Pesticide Standard Report

Sample Name : AR1254 1.0ng  
sult File : /DATA/LOOP/RESULT/B4116013.RES  
column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0415 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : AR1254 1.0ng Report No : 67.00  
 Result File : /DATA/LOOP/RESULT/B4116013.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0415 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 13 Bottle no. : 13

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.53		.068038	11308	BB	0.0000	
2	6.73		.075690	18332	BB	0.0000	
3	10.22		.091158	5922	BB	0.0000	
4	11.93		.135029	14669	BB	0.0000	
5	12.34	12.34	.132956	9887	BB	.0059	Heptachlor
6	13.41		.203768	398922	BB	0.0000	
7	14.72		.181458	191897	BV	0.0000	
8	15.25	15.22	.215227	93086	VB	.1363	beta-BHC
9	16.26		.171931	14811	BV	0.0000	
10	16.59		.240774	82944	VV	0.0000	
11	17.23		.322292	884221	VV	0.0000	
12	18.22		.240684	166932	VV	0.0000	
13	18.69		.350435	828703	VV	0.0000	
14	19.26		.305190	370068	VV	0.0000	
15	20.40		.243018	44398	VV	0.0000	
16	20.93		.295383	268550	VV	0.0000	
17	21.77		.390476	592697	VV	0.0000	
18	22.69		.283923	852845	VV	0.0000	
19	23.25	23.33	.280273	146146	VV	.1262	Dieldrin
20	23.94		.234441	435823	VV	0.0000	
21	24.29		.210610	69532	VV	0.0000	
22	24.76	24.82	.284904	594373	VV	.6477	Endrin
23	25.25		.280251	174008	VV	0.0000	
24	25.74		.249742	443864	VV	0.0000	
25	26.53		.212413	271874	VV	0.0000	
26	26.94		.161630	120978	VV	0.0000	
27	27.14		.251962	355605	VV	0.0000	
28	27.66		.182057	75229	VV	0.0000	
29	28.06		.275192	837666	VV	0.0000	
30	28.60		.239846	142283	VV	0.0000	
31	29.92		.139906	23788	PV	0.0000	
32	30.17		.179917	218578	VV	0.0000	
33	30.45		.172726	48165	VV	0.0000	
34	30.70		.180909	32108	VV	0.0000	
35	31.44		.183380	103323	PV	0.0000	
36	31.86		.200406	148555	VV	0.0000	
37	32.74		.191572	149619	PV	0.0000	
38	33.31		.149209	626682	VV	0.0000	
39	33.71		.193946	101090	VB	0.0000	

OXO8193  
 Bn

Handwritten mark



## IEA Pesticide Standard Report

#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
10	34.88		.141091	8533	BV	0.0000	

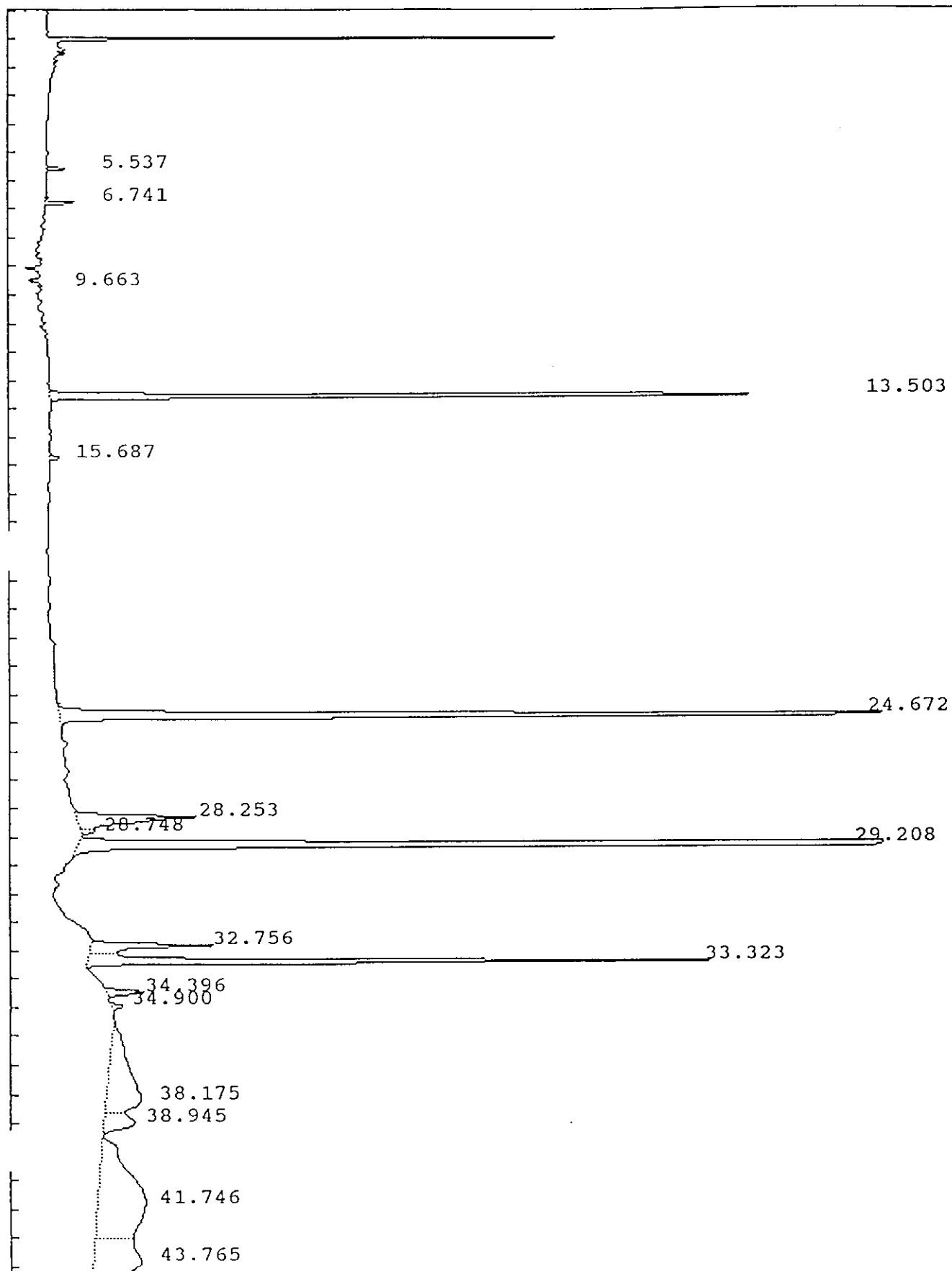
Total Area : 9978014 Total PPB : .916

Report Time : 0500 02Mar1993  
Method : /DATA/LOOP/METHOD/B4116.MTH  
Result File : /DATA/LOOP/RESULT/B4116013.RES

## IEA Pesticide Standard Report

Sample Name : EVALB  
Result File : /HP58904B/B4116019.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0938 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALB Report No : 73.12  
 Result File : /HP58904B/B4116019.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0938 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 19 Bottle no. : 19

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.54		.066143	12979	BB	0.0000	
2	6.74		.072519	20975	BB	0.0000	
3	9.66		.117197	3598	BV	0.0000	
4	13.50	13.51	.108685	649401	BB	.5251	Aldrin
5	15.69		.135466	10095	BB	0.0000	
6	24.67	24.73	.168090	1089248	BB	1.2297	Endrin
7	28.25	28.26	.271350	220488	BV	.2713	4,4'-DDD
8	28.75		.141614	13818	VB	0.0000	
9	29.21	29.22	.147002	1639968	BB	2.5146	4,4'-DDT
10	32.76		.194685	161317	BV	0.0000	
11	33.32	#33.33	.141585	618236	VV	.9147	Dibutyl Chlorendate
12	34.40		.175158	49234	BB	0.0000	ENDRIN KETONE
13	34.90		.148765	13765	BB	0.0000	
14	38.17		1.688799	399502	BV	0.0000	
15	38.95		.498235	103833	VV	0.0000	
16	41.75		2.451318	783166	PV	0.0000	
17	43.76		1.157768	368189	VV	0.0000	

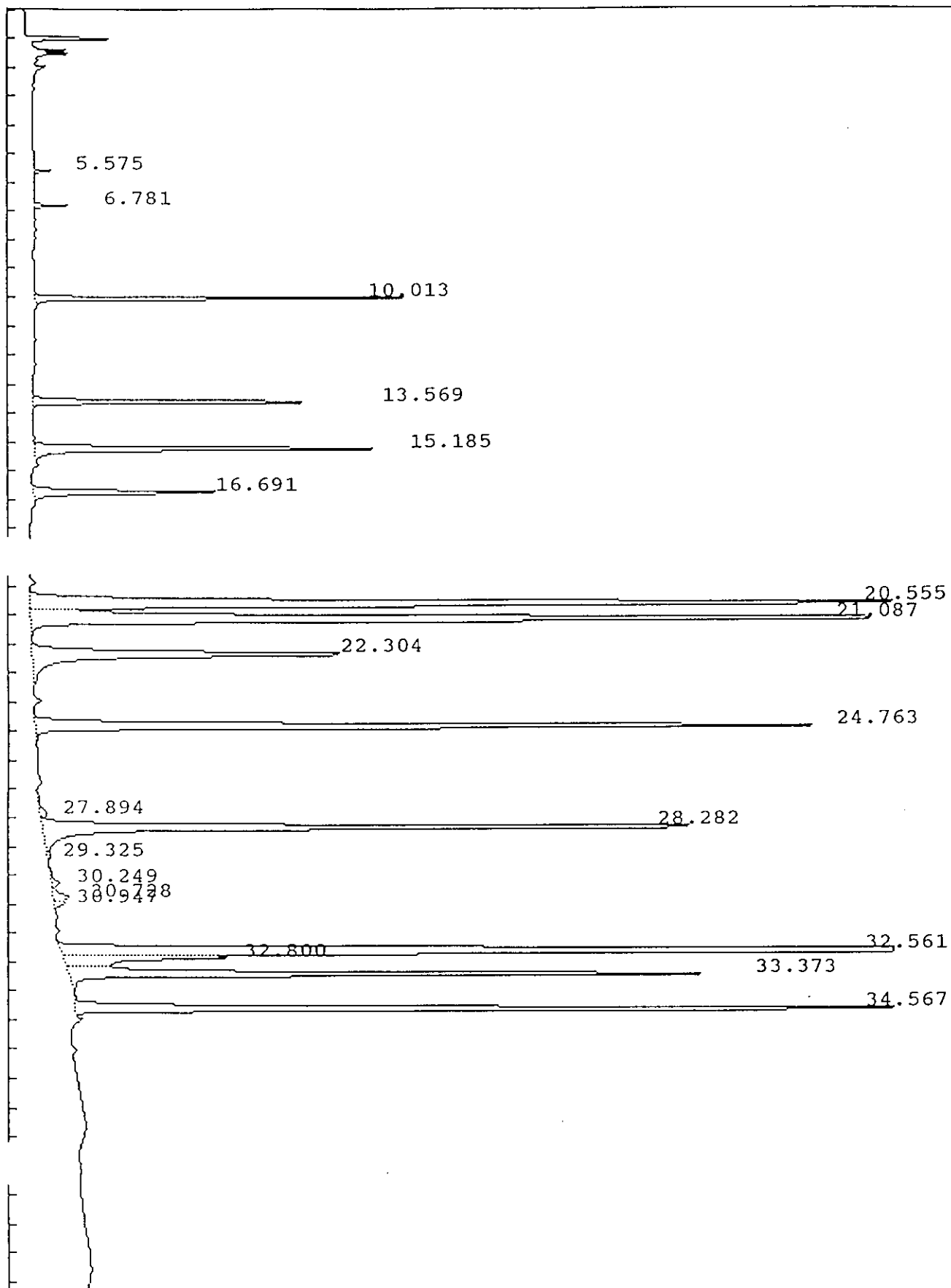
Total Area : 6157815 Total PPB : 5.455

Report Time : 1218 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /HP58904B/B4116019.RES

## IEA Pesticide Standard Report

Sample Name : INDB  
Result File : /HP58904B/B4116026.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1631 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDB Report No : 80.01  
 Result File : /HP58904B/B4116026.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1631 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 26 Bottle no. : 26

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.58		.067579	10473	BB	0.0000	
2	6.78		.075877	20314	BB	0.0000	
3	10.01	9.99	.075161	239762	BB	.2096	alpha-BHC
4	13.57	13.51	.112419	243781	BB	.1971	Aldrin
5	15.18	15.15	.140402	339065	BV	.5321	beta-BHC
6	16.69	16.65	.151535	186390	BB	.2110	delta-BHC
7	20.56	20.50	.217625	1266872	PV	1.0255	gamma-Chlordane
8	21.09	21.03	.224477	1296291	VB	1.0276	alpha-Chlordane
9	22.30	22.26	.248268	526952	BB	.5114	4,4'-DDE
10	24.76	24.73	.173053	921847	BB	1.0407	Endrin
11	27.89		.371619	16234	PV	0.0000	
12	28.28	28.26	.179056	851692	VV	1.0479	4,4'-DDD
13	29.32		.254281	5849	VB	0.0000	
14	30.25		.244250	13984	BV	0.0000	
15	30.73	30.73	.259725	26571	VV	.0335	Endrin aldehyde
16	30.95		.167024	11622	VB	0.0000	
17	32.56	32.54	.140328	3406867	BV	4.9829	Endosulfan sulfate
18	32.80		.196009	213341	VV	0.0000	
19	33.37	#33.33	.152381	698513	VB	1.0335	Dibutyl Chlorendate
20	34.57	34.55	.134457	976860	BV	.9719	Endrin ketone

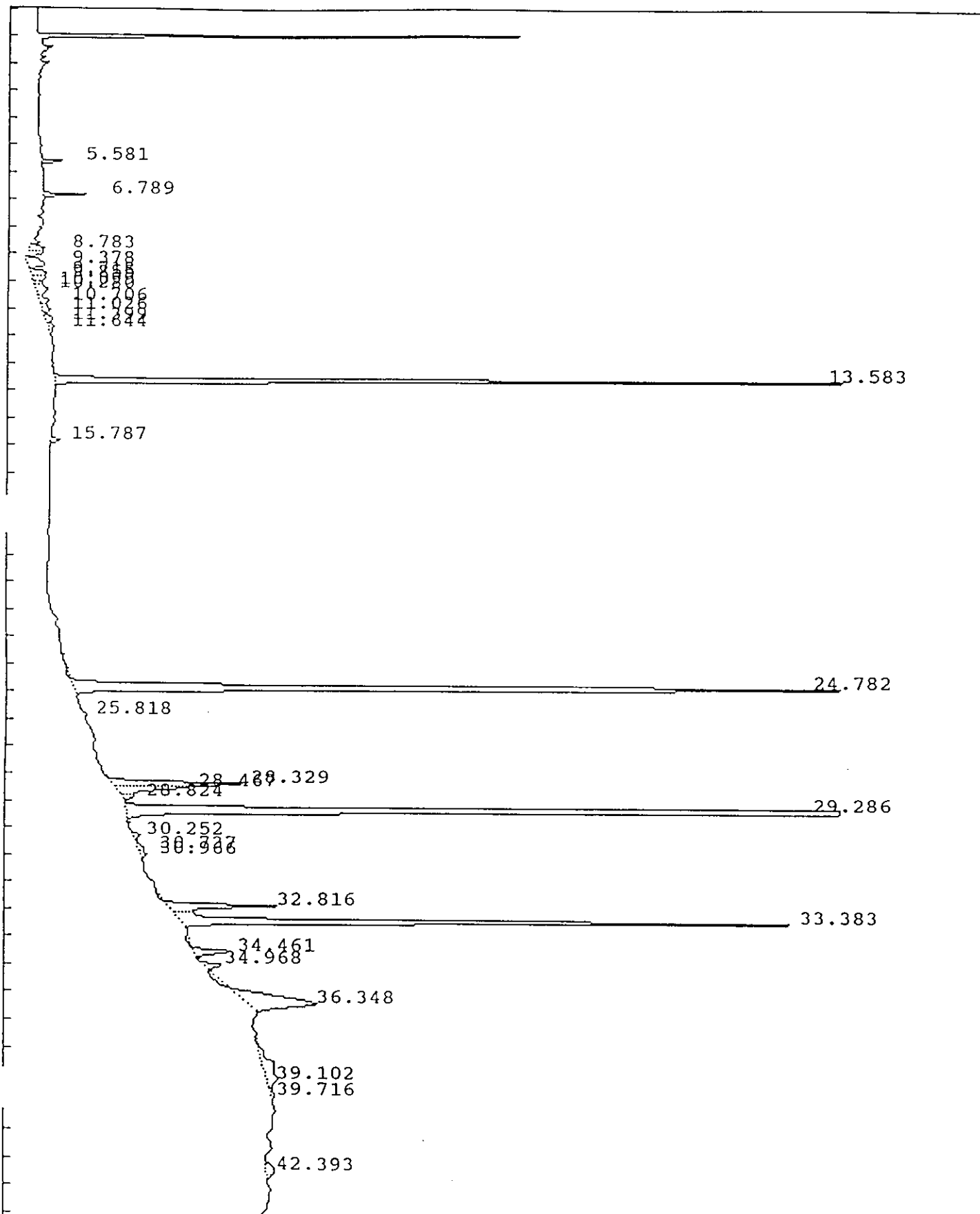
Total Area : 11273282 Total PPB : 12.825

Report Time : 1203 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /HP58904B/B4116026.RES

IEA Pesticide Standard Report

Sample Name : EVALB  
 Result File : /HP58904B/B4116032.RES  
 Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 2203 02Mar1993  
 INSTRUMENT: HP58904B  
 Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALB Report No : 86.12  
 Result File : /HP58904B/B4116032.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2203 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 32 Bottle no. : 32

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline  
 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.58		0.000000	14832	BB	0.0000	
2	6.79		0.000000	26512	BB	0.0000	
3	8.78		0.000000	17596	VV	0.0000	
4	9.38		0.000000	37241	PV	0.0000	
5	9.72		0.000000	22327	VV	0.0000	
6	9.85		0.000000	17731	VV	0.0000	
7	10.10		0.000000	8801	VV	0.0000	
8	10.28		0.000000	23327	VV	0.0000	
9	10.71		0.000000	14713	VV	0.0000	
10	11.03		0.000000	13710	VV	0.0000	
11	11.40		0.000000	13055	PV	0.0000	
12	11.64		0.000000	11149	VV	0.0000	
13	13.58		0.000000	637374	BB	0.0000	ENDRIN
14	15.79		0.000000	9543	BB	0.0000	
15	24.78	24.73	0.000000	1051606	BB	1.1872	Endrin
16	25.82		0.000000	4502	BV	0.0000	
17	28.33	28.26	0.000000	165134	FF	.2032	4,4'-DDD
18	28.47		0.000000	66648	FF	0.0000	
19	28.82		0.000000	14203	VB	0.0000	
20	29.29	29.22	0.000000	1554743	BB	2.3839	4,4'-DDT
21	30.25		0.000000	9813	BV	0.0000	
22	30.74	30.73	0.000000	11849	VV	.0150	Endrin aldehyde
23	30.97		0.000000	8235	VV	0.0000	
24	32.82		0.000000	132686	BV	0.0000	
25	33.38	#33.33	0.000000	610460	VB	.9032	Dibutyl Chlorendate
26	34.46		0.000000	41387	BB	0.0000	ENDRIN KETONE
27	34.97		0.000000	24688	BB	0.0000	
28	36.35		0.000000	206031	BB	0.0000	
29	39.10		0.000000	80585	PV	0.0000	
30	39.72		0.000000	8378	VB	0.0000	
31	42.39		0.000000	25893	PV	0.0000	

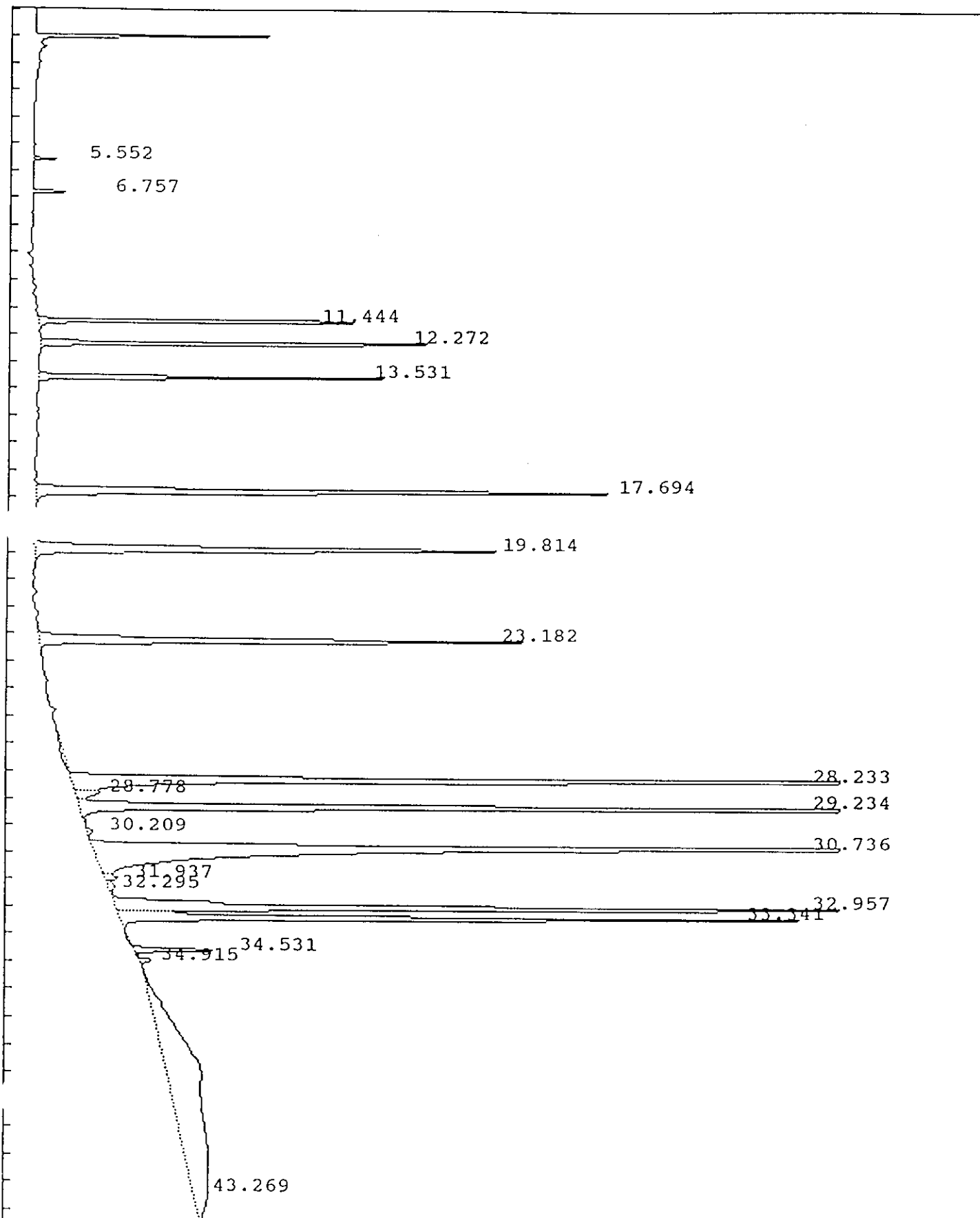
Total Area : 4884755 Total PPB : 4.693

Report Time : 1233 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /HP58904B/B4116032.RES

IEA Pesticide Standard Report

Sample Name : INDA  
 Result File : /HP58904B/B4116039.RES  
 Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0414 03Mar1993  
 INSTRUMENT: HP58904B  
 Inj. Vol. : 1 ul





## IEA Pesticide Standard Report

Sample Name : INDA Report No : 93.02  
 Result File : /HP58904B/B4116039.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0414 03Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 39 Bottle no. : 39

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.55		.063426	12759	BB	0.0000	
2	6.76		.072029	22528	BB	0.0000	
3	11.44	11.43	.078952	277447	BB	.2177	gamma-BHC (Lindane)
4	12.27	12.26	.093789	336215	BB	.2046	Heptachlor
5	13.53	13.51	.104875	265821	BB	.2150	Aldrin
6	17.69	17.67	.161725	661756	BB	.5271	Heptachlor epoxide
7	19.81	19.79	.192754	618241	BB	.5271	Endosulfan I
8	23.18	23.16	.174916	582209	BB	.5294	Dieldrin
9	28.23	28.22	.160237	1322945	BV	1.0598	Endosulfan II
10	28.78		.215523	35186	VV	0.0000	
11	29.23	29.22	.145611	1154327	VV	1.7700	4,4'-DDT
12	30.21		.240541	12938	VB	0.0000	
13	30.74	30.73	.256092	1660556	BV	2.0964	Endrin aldehyde
14	31.94		.170325	16864	VV	0.0000	
15	32.30		.307908	14520	VV	0.0000	
16	32.96	32.95	.155290	996160	VV	2.3361	Methoxychlor
17	33.34	#33.33	.138363	676568	VB	1.0010	Dibutyl Chlorendate
18	34.53	34.55	.109922	68612	BV	.0683	Endrin ketone
19	34.92		.138871	13810	PB	0.0000	
20	43.27		11.360120	1219998	BB	0.0000	

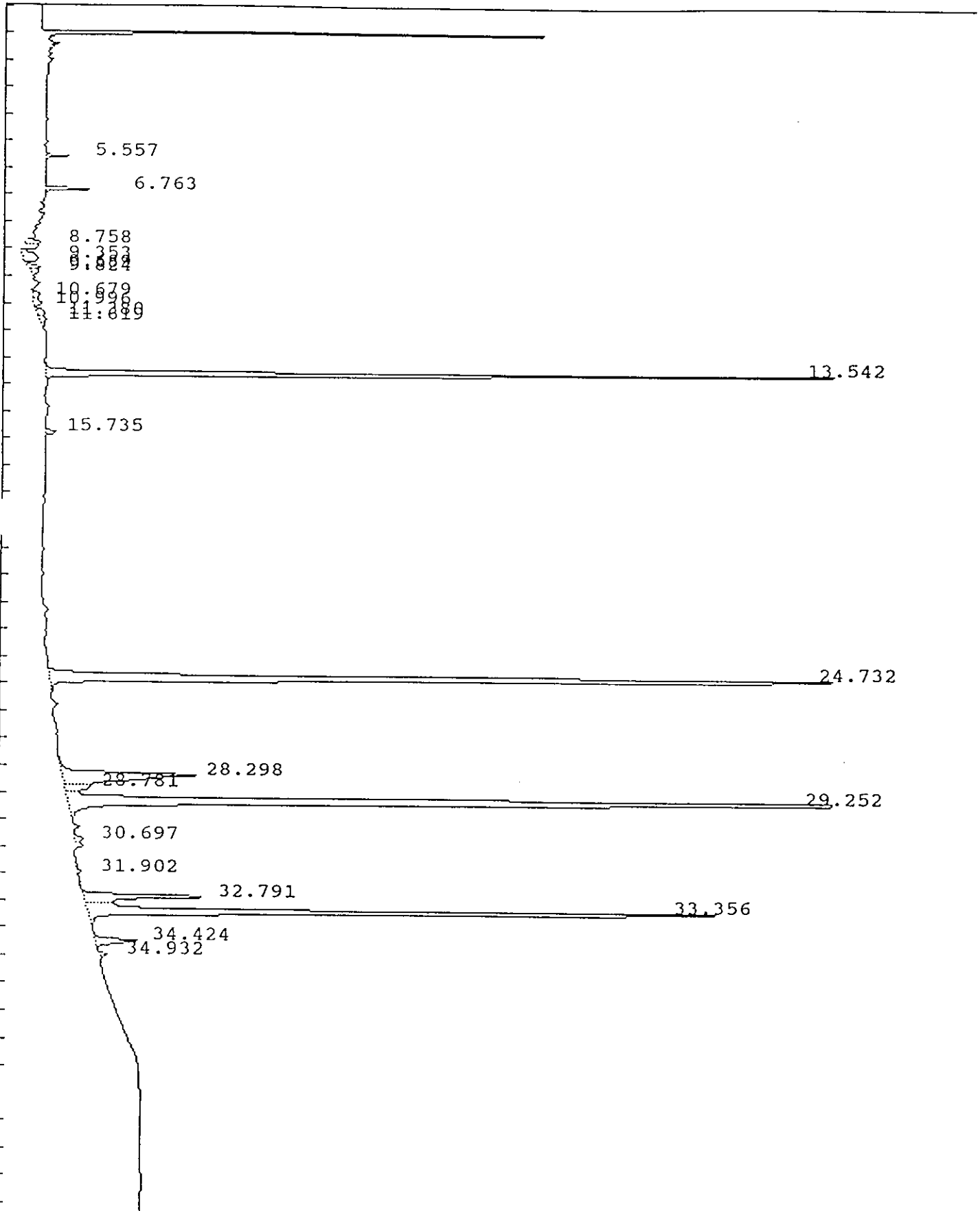
Total Area : 9969462 Total PPB : 10.552

Report Time : 1208 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /HP58904B/B4116039.RES

IEA Pesticide Standard Report

Sample Name : EVALB  
Result File : /HP58904B/B4116045.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1236 03Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALB Report No : 99.01  
 Result File : /HP58904B/B4116045.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1236 03Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 45 Bottle no. : 45

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.56		.066192	13382	BB	0.0000	
2	6.76		.075514	31171	BB	0.0000	
3	8.76		.182217	17195	VV	0.0000	
4	9.35		.313821	34359	PV	0.0000	
5	9.69		.191970	16445	PV	0.0000	
6	9.82		.146899	8312	VV	0.0000	
7	10.68		.211707	11873	PV	0.0000	
8	11.00		.224736	13130	VV	0.0000	
9	11.38		.255398	13588	PV	0.0000	
10	11.62		.299644	12257	VV	0.0000	
11	13.54	13.51	.109177	698057	BB	.5645	Aldrin
12	15.74		.137398	11420	BB	0.0000	
13	24.73	24.73	.169439	1148847	BB	1.2970	Endrin
14	28.30	28.26	.301888	291425	BV	.3586	4,4'-DDD
15	28.78		.197804	35123	VV	0.0000	
16	29.25	29.22	.153724	1809797	VB	2.7750	4,4'-DDT
17	30.70	30.73	.201499	13139	BV	.0166	Endrin aldehyde
18	31.90		.170648	5618	PB	0.0000	
19	32.79		.176099	163306	BV	0.0000	
20	33.36	#33.33	.148139	740499	VB	1.0956	Dibutyl Chlorendate
21	34.42		.177333	54929	BV	0.0000	ENDRIN KETONE
22	34.93		.149983	9454	PB	0.0000	

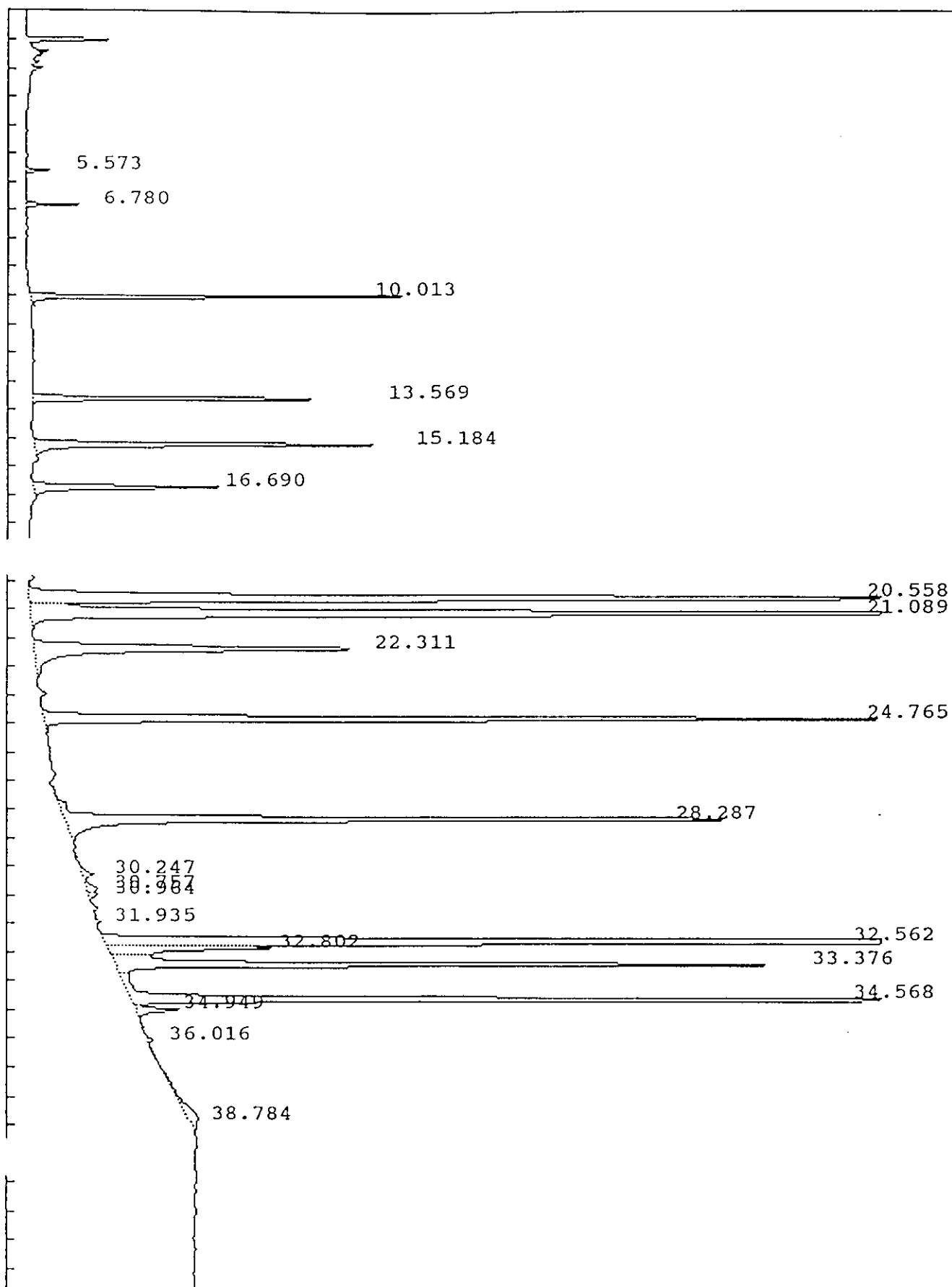
Total Area : 5153329 Total PPB : 6.107

Report Time : 1226 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /HP58904B/B4116045.RES

## IEA Pesticide Standard Report

Sample Name : INDB  
Result File : /HP58904B/B4116051.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1851 03Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDB Report No : 106.02  
 Result File : /HP58904B/B4116051.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1851 03Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 51 Bottle no. : 51

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.57		.065748	12957	BB	0.0000	
2	6.78		.074659	30718	BB	0.0000	
3	10.01	9.99	.074075	241598	BB	.2112	alpha-BHC
4	13.57	13.51	.107280	244166	BB	.1974	Aldrin
5	15.18	15.15	.137796	336536	BV	.5281	beta-BHC
6	16.69	16.65	.145847	185698	BB	.2102	delta-BHC
7	20.56	20.50	.206186	1280255	PV	1.0363	gamma-Chlordane
8	21.09	21.03	.217108	1313266	VB	1.0410	alpha-Chlordane
9	22.31	22.26	.240639	525024	BB	.5095	4,4'-DDE
10	24.77	24.73	.165889	933704	BB	1.0541	Endrin
11	28.29	28.26	.178484	859909	PB	1.0581	4,4'-DDD
12	30.25		.222102	16357	BV	0.0000	
13	30.76	30.73	.266658	18246	VV	.0230	Endrin aldehyde
14	30.96		.174146	9656	VB	0.0000	
15	31.94		.141457	4312	VV	0.0000	
16	32.56	32.54	.134021	3368916	PV	4.9274	Endosulfan sulfate
17	32.80		.187455	202091	VV	0.0000	
18	33.38	#33.33	.149093	685776	VV	1.0147	Dibutyl Chlorendate
19	34.57	34.55	.132373	994989	VV	.9899	Endrin ketone
20	34.95		.164665	48046	VB	0.0000	
21	36.02		.072028	3170	BV	0.0000	
22	38.78		.982802	58419	PB	0.0000	

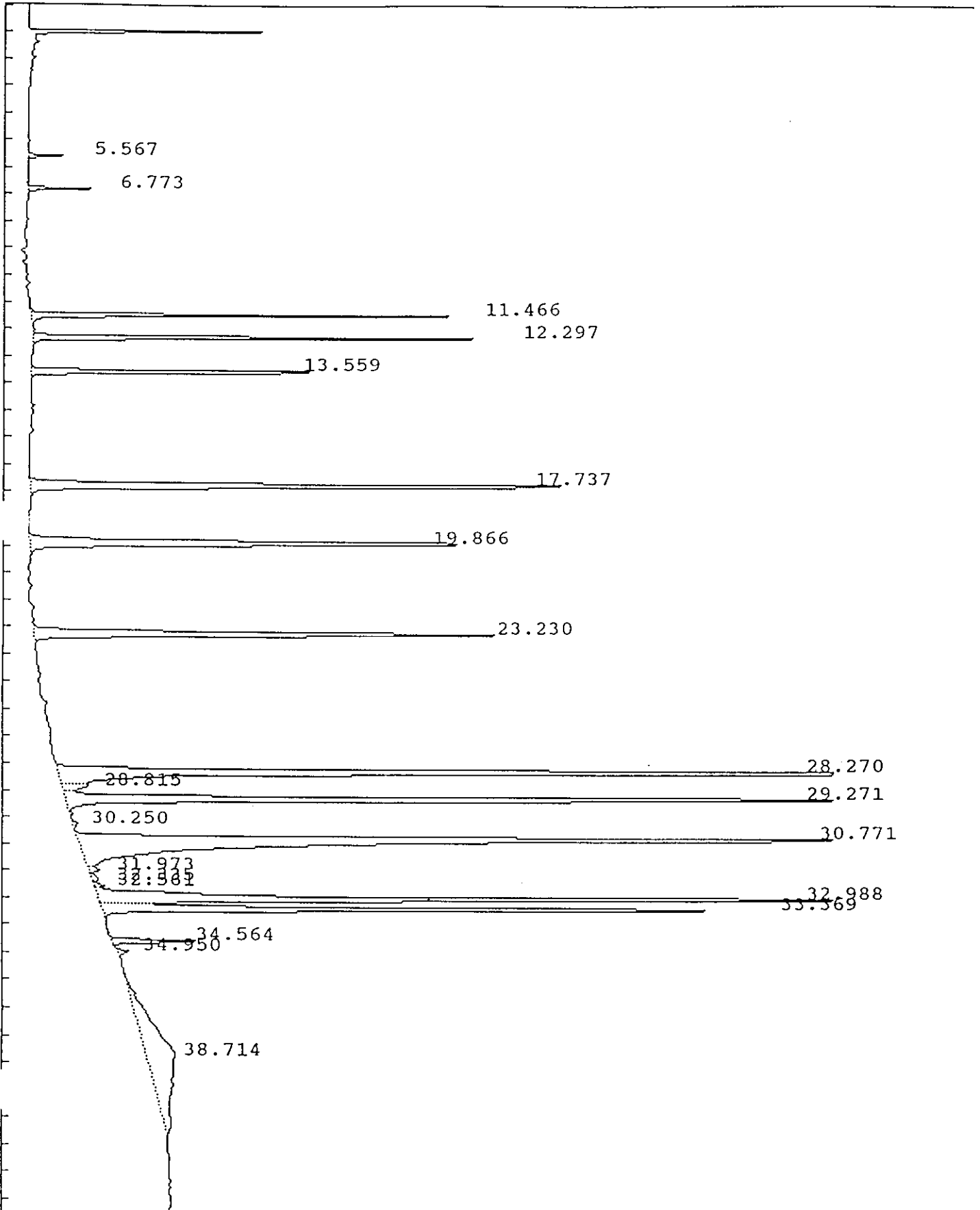
Total Area : 11373814 Total PPB : 12.801

Report Time : 1146 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /HP58904B/B4116051.RES

IEA Pesticide Standard Report

Sample Name : INDA  
Result File : /HP58904B/B4116052.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 1945 03Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDA Report No : 107.01  
 Result File : /HP58904B/B4116052.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1945 03Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 52 Bottle no. : 52

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.57		.066363	19716	BB	0.0000	
2	6.77		.074854	39783	BB	0.0000	
3	11.47		.081801	277695	BB	0.0000	
4	12.30	12.26	.096426	337623	VB	.2055	Heptachlor
5	13.56	13.51	.108062	267462	BB	.2163	Aldrin
6	17.74	17.67	.165715	664034	BB	.5289	Heptachlor epoxide
7	19.87	19.79	.195409	620191	BB	.5288	Endosulfan I
8	23.23	23.16	.181276	584043	BB	.5311	Dieldrin
9	28.27	28.26	.167046	1351502	BV	1.6629	4,4'-DDD
0	28.81		.217119	39889	VV	0.0000	
11	29.27	29.22	.148780	1110082	VV	1.7021	4,4'-DDT
12	30.25		.263968	11385	VV	0.0000	
13	30.77	30.73	.260223	1630646	PV	2.0586	Endrin aldehyde
14	31.97		.160841	13162	VV	0.0000	
15	32.33		.273101	11519	VV	0.0000	
16	32.56	32.54	.140668	11395	VV	.0167	Endosulfan sulfate
17	32.99	32.95	.156801	947209	VV	2.2213	Methoxychlor
18	33.37	#33.33	.141620	672316	VB	.9948	Dibutyl Chlorendate
19	34.56	34.55	.113842	70211	BV	.0699	Endrin ketone
20	34.95		.144617	12285	PB	0.0000	
21	38.71		2.819250	535658	BB	0.0000	

Total Area : 9227812 Total PPB : 10.737

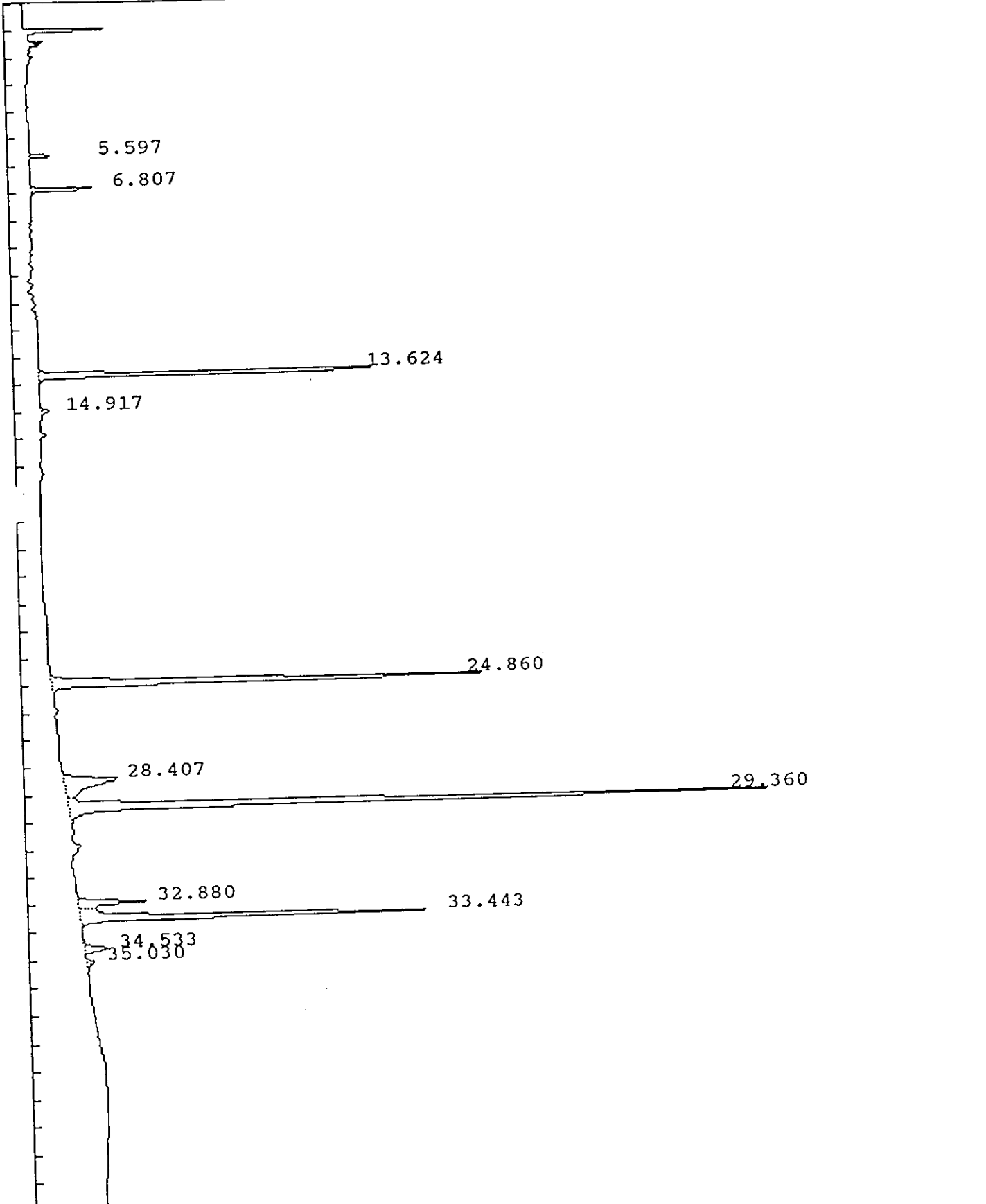
Report Time : 1213 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4116.MTH  
 Result File : /HP58904B/B4116052.RES

IEA Pesticide Standard Report

993

Sample Name : EVALA  
Result File : /DATA/LOOP/RESULT/B4118002.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1952 08Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul





## IEA Pesticide Standard Report

Sample Name : EVALA Report No : 173.01  
 Result File : /DATA/LOOP/RESULT/B4118002.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1952 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 2 Bottle no. : 2

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.60		.068223	15221	BB	0.0000	
2	6.81		.077742	49823	BB	0.0000	
3	13.62	13.68	.111153	322404	BB	.2437	Aldrin
4	14.92		.173393	9858	BB	0.0000	
5	24.86		.170210	516833	BB	0.0000	ENDON
6	28.41	28.41	.400002	154264	BV	.1125	Endosulfan-II (4.4 DDT)
7	29.36	29.41	.160494	809698	VB	1.2153	4,4'-DDT
8	32.88		.183495	87543	BV	0.0000	
9	33.44	#33.48	.150028	386065	VB	.5400	Dibutyl Chlorendate
10	34.53		.206514	34076	BV	0.0000	
11	35.03		.200172	11426	PB	0.0000	

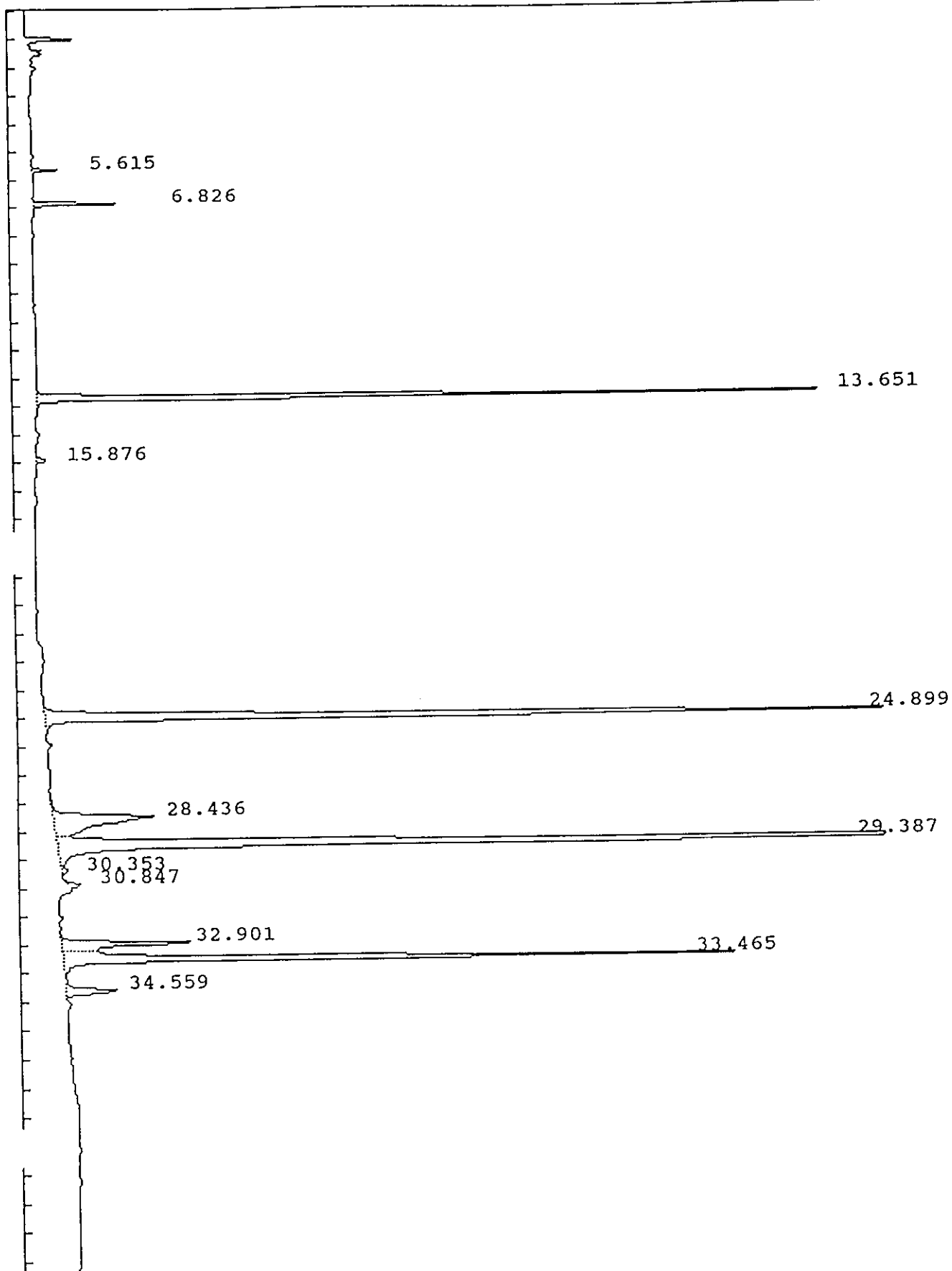
Total Area : 2397211 Total PPB : 2.111

Report Time : 1106 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH  
 Result File : /DATA/LOOP/RESULT/B4118002.RES

## IEA Pesticide Standard Report

Sample Name : EVALB  
Result File : /DATA/LOOP/RESULT/B4118003.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 2045 08Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALB Report No : 174.01  
 Result File : /DATA/LOOP/RESULT/B4118003.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2045 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 3 Bottle no. : 3

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.62		.068323	14092	BB	0.0000	
2	6.83		.078334	56253	BB	0.0000	
3	13.65	13.68	.112838	633746	BB	.4790	Aldrin
4	15.88		.139882	10502	BB	0.0000	
5	24.90	24.96	.172524	996795	BB	1.1532	Endrin
6	28.44	28.45	.409579	273549	BV	.3508	4,4'-DDD
7	29.39	29.41	.167464	1653081	VV	2.4811	4,4'-DDT
8	30.35		.191687	8441	VB	0.0000	
9	30.85		.157370	12615	BV	0.0000	ENDRIN ALDEHYDE
10	32.90		.194956	181858	BV	0.0000	
11	33.46	#33.48	.153205	707947	VB	.9901	Dibutyl Chlorendate
12	34.56		.198953	66616	VV	0.0000	ENDRIN KETONE

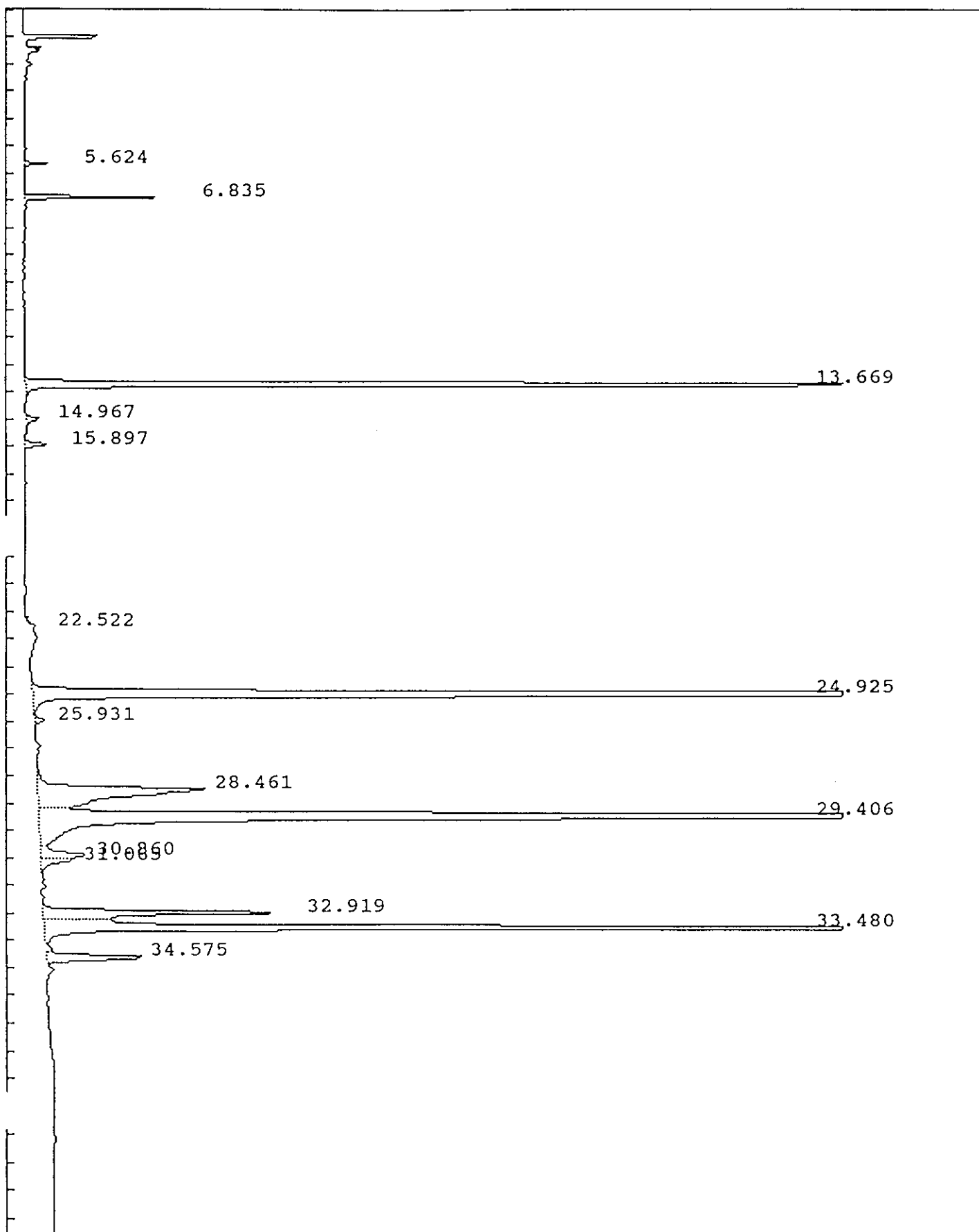
Total Area : 4615496 Total PPB : 5.454

Report Time : 1109 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH  
 Result File : /DATA/LOOP/RESULT/B4118003.RES

IEA Pesticide Standard Report

Sample Name : EVALC  
Result File : /DATA/LOOP/RESULT/B4118004.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 2139 08Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALC Report No : 175.01  
 Result File : /DATA/LOOP/RESULT/B4118004.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2139 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 4 Bottle no. : 4

% Dil-Fact  
 100.00

Run Status : RunStatusOK

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.62		.068846	13198	BB	0.0000	
2	6.84		.080497	85884	BB	0.0000	
3	13.67	13.68	.115962	1247270	BB	.9427	Aldrin
4	14.97		.173212	15311	BB	0.0000	
5	15.90		.140557	21215	BB	0.0000	
6	22.52	22.53	.148996	4370	BB	.0046	4,4'-DDE
7	24.92	24.96	.175730	1907799	BV	2.2071	Endrin
8	25.93		.177676	12249	VB	0.0000	
9	28.46	28.45	.438040	502368	BV	.6443	4,4'-DDD
10	29.41	29.41	.173713	3343996	VV	5.0189	4,4'-DDT
11	30.86		.256915	79897	VV	0.0000	
12	31.06		.198197	40090	VB	0.0000	
13	32.92		.199113	347541	BV	0.0000	
14	33.48	#33.48	.156111	1308992	VV	1.8308	Dibutyl Chlorendate
15	34.58		.203891	137883	VV	0.0000	

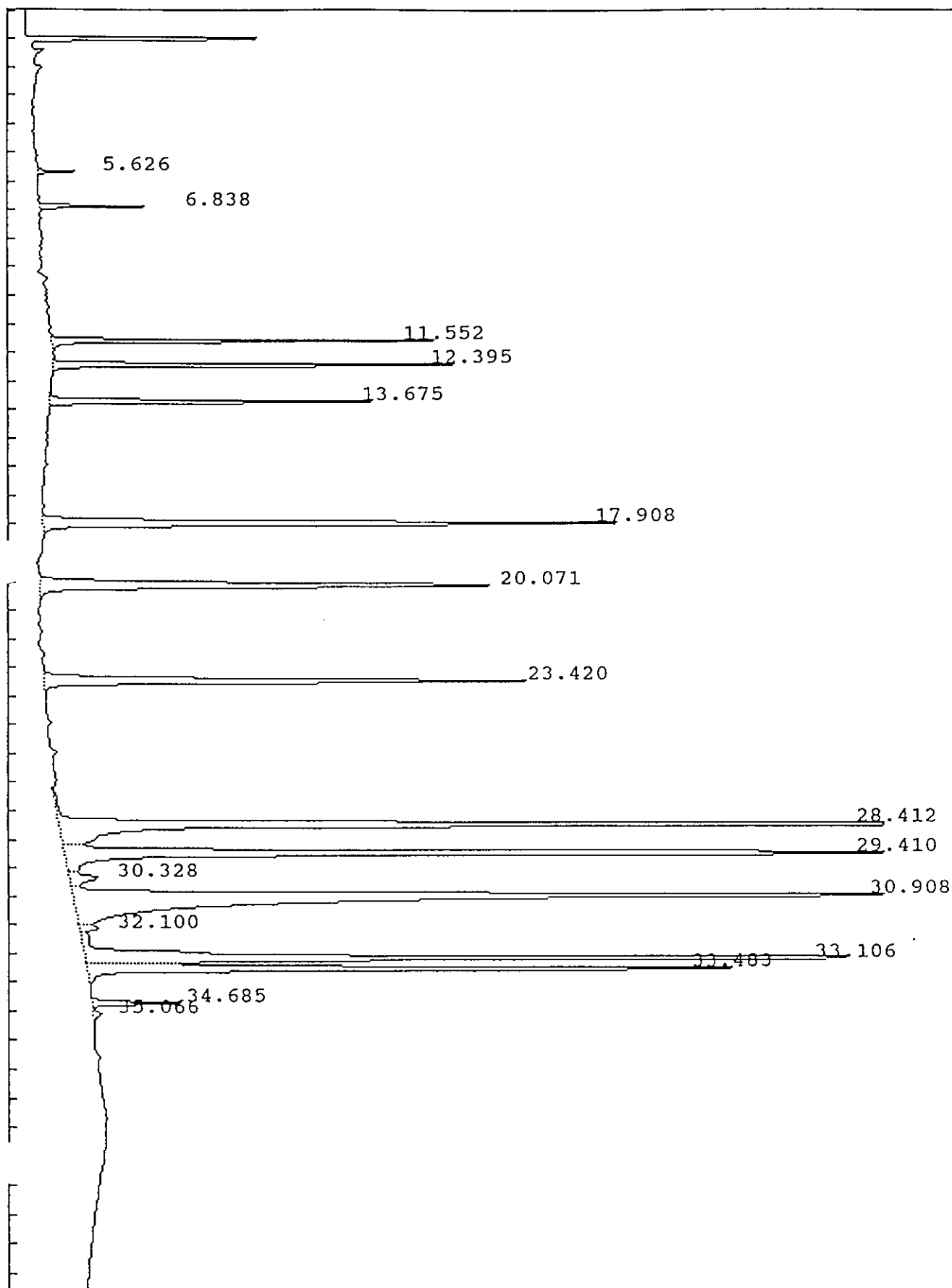
Total Area : 9068066 Total PPB : 10.648

Report Time : 1112 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH  
 Result File : /DATA/LOOP/RESULT/B4118004.RES

## IEA Pesticide Standard Report

Sample Name : INDA  
Result File : /DATA/LOOP/RESULT/B4118005.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 2232 08Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDA Report No :176.01  
 Result File : /DATA/LOOP/RESULT/B4118005.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2232 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 5 Bottle no. : 5

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.63		.067610	20144	BB	0.0000	
2	6.84		.078093	63624	BB	0.0000	
3	11.55	11.55	.087432	268774	BB	.2000	gamma-BHC (Lindane)
4	12.39	12.40	.100355	319391	BB	.2000	Heptachlor
5	13.68	13.68	.110712	264629	BB	.2000	Aldrin
6	17.91	17.91	.173648	660704	BB	.5000	Heptachlor epoxide
7	20.07	20.07	.205462	622881	BB	.5000	Endosulfan I
8	23.42	23.42	.179458	582743	BB	.5000	Dieldrin
9	28.41	28.41	.180953	1371557	BV	1.0000	Endosulfan II
10	29.41	29.41	.165351	1332559	VV	2.0000	4,4'-DDT
11	30.33		.312686	56745	VV	0.0000	
12	30.91	30.91	.281550	1691722	VV	2.0000	Endrin aldehyde
13	32.10		.201792	25789	VV	0.0000	
14	33.11	33.11	.175501	1033565	VV	2.5000	Methoxychlor
15	33.48	#33.48	.152367	714997	VB	1.0000	Dibutyl Chlorendate
16	34.69	34.71	.121739	75337	BV	.0842	Endrin ketone
17	35.07		.200282	11840	VB	0.0000	

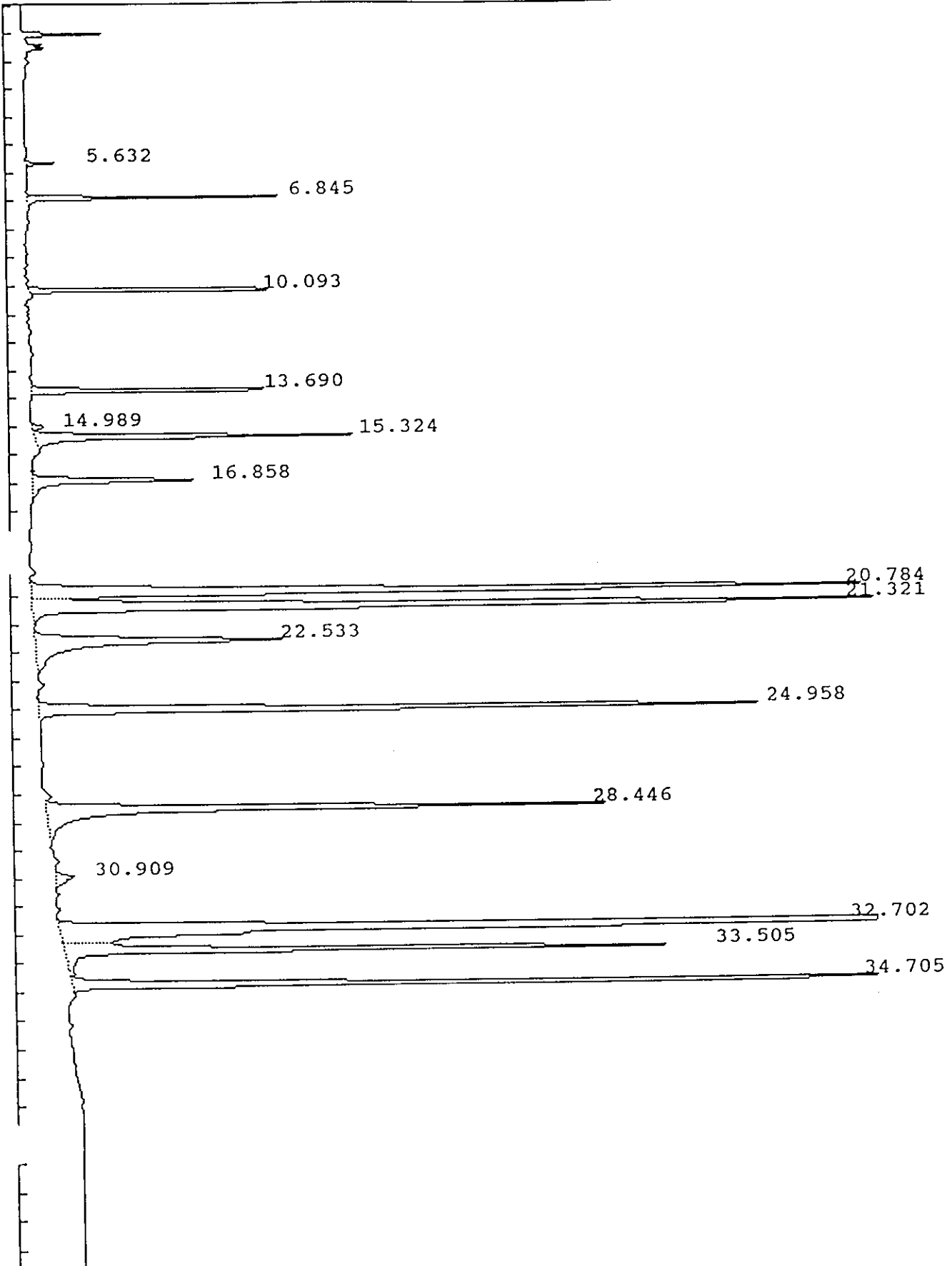
Total Area : 9117004 Total PPB : 10.684

Report Time : 1114 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH  
 Result File : /DATA/LOOP/RESULT/B4118005.RES

IEA Pesticide Standard Report

Sample Name : INDB  
Result File : /DATA/LOOP/RESULT/B4118006.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 2325 08Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul





## IEA Pesticide Standard Report

Sample Name : INDB Report No : 177.01  
 Result File : /DATA/LOOP/RESULT/B4118006.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2325 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 6 Bottle no. : 6

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.63		.070145	16077	BB	0.0000	
2	6.85		.083579	159820	BB	0.0000	
3	10.09	10.09	.078119	209919	BB	.2000	alpha-BHC
4	13.69	13.68	.113322	227377	BB	.1718	Aldrin
5	14.99		.154546	12374	BV	0.0000	
6	15.32	15.32	.153075	339052	VV	.5000	beta-BHC
7	16.86	16.86	.177076	200554	BB	.2000	delta-BHC
8	20.78	20.78	.220997	1225213	BV	1.0000	gamma-Chlordane
9	21.32	21.32	.222940	1269714	VV	1.0000	alpha-Chlordane
10	22.53	22.53	.293770	480184	VB	.5000	4,4'-DDE
11	24.96	24.96	.173082	864408	BB	1.0000	Endrin
12	28.45	28.45	.206084	779690	VB	1.0000	4,4'-DDD
13	30.91	30.91	.297267	38229	BV	.0452	Endrin aldehyde
14	32.70	32.70	.150845	3609781	PV	5.0000	Endosulfan sulfate
15	33.50	#33.48	.160397	703060	VV	.9833	Dibutyl Chlorendate
16	34.71	34.71	.134611	894441	VV	1.0000	Endrin ketone

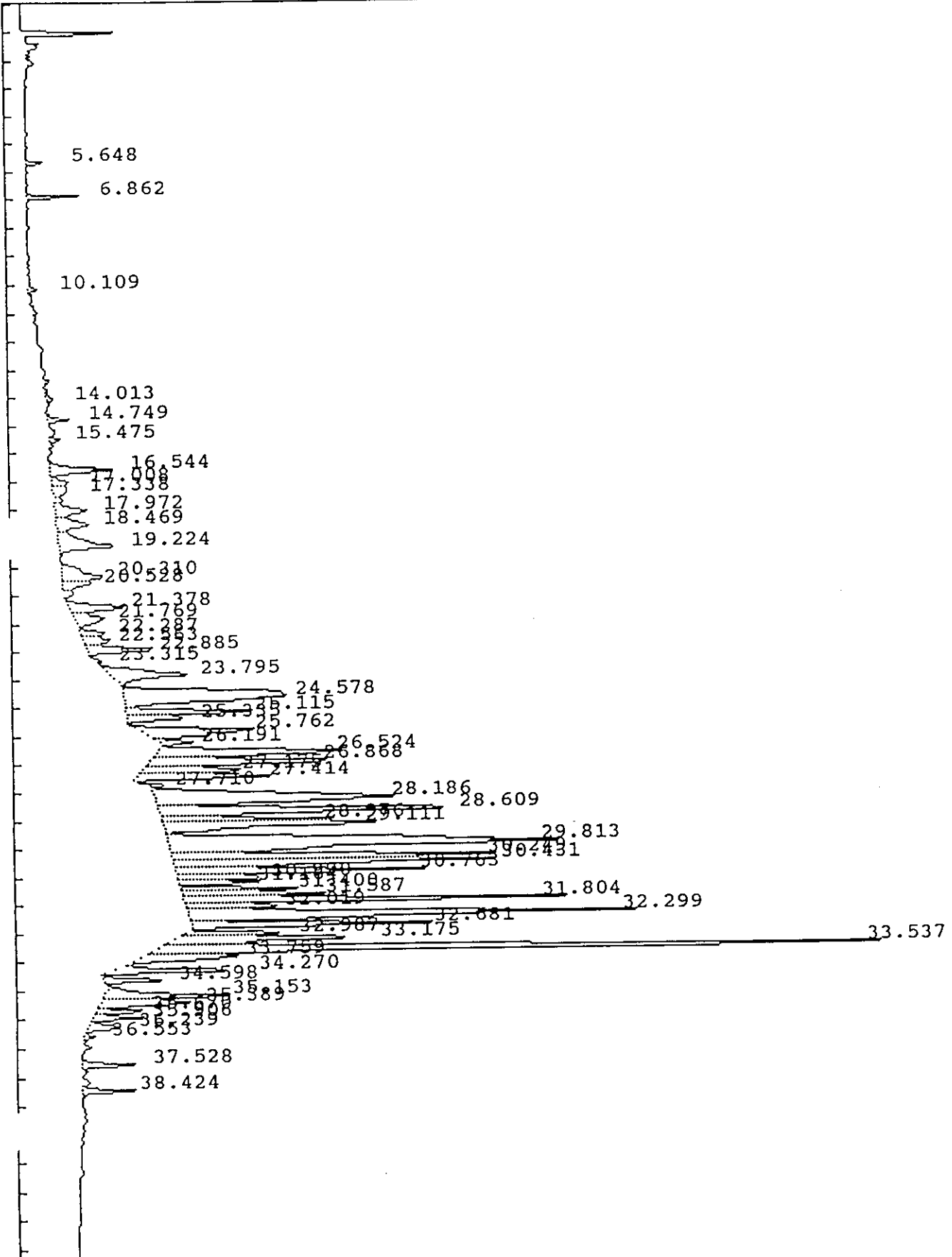
Total Area : 11029896 Total PPB : 12.600

Report Time : 1116 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH  
 Result File : /DATA/LOOP/RESULT/B4118006.RES

IEA Pesticide Standard Report

Sample Name : TOXAPH 1.0ng  
Result File : /DATA/LOOP/RESULT/B4118007.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0018 09Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : TOXAPH 1.0ng Report No :178.11  
 Result File : /DATA/LOOP/RESULT/B4118007.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0018 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 7 Bottle no. : 7

% Dil-Fact  
100.00

Run Status : RunStatusOK

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.65		.066944	10824	BB	0.0000	
2	6.86		.075728	34100	BB	0.0000	
3	10.11	10.09	.092146	6371	BV	.0061	<del>alpha-BHC</del>
4	14.01		.160903	8895	BV	0.0000	
5	14.75		.136916	21227	BB	0.0000	
6	15.47		.129164	9047	VV	0.0000	
7	16.54		.203715	83326	BV	0.0000	
8	17.01		.214926	22375	VV	0.0000	
9	17.34		.313559	29652	VV	0.0000	
10	17.97	17.91	.279279	57428	VV	.0435	<del>Heptachlor-epoxide</del>
11	18.47		.304627	62953	VV	0.0000	
12	19.22		.328432	120700	VB	0.0000	
13	20.31		.337741	91548	BV	0.0000	
14	20.53		.223444	40638	VV	0.0000	
15	21.38	21.32	.241952	90079	PV	.0709	<del>alpha-Chlordane</del>
16	21.77		.294393	60361	VB	0.0000	02/10/93 Blm
17	22.29		.202861	31720	BV	0.0000	
18	22.56	22.53	.212670	38415	VV	.0400	<del>4,4'-DDE</del>
19	22.88		.203592	93398	VB	0.0000	
20	23.31		.176720	8468	BV	0.0000	
21	23.79		.298386	156831	VB	0.0000	
22	24.58		.422992	447034	BV	0.0000	
23	25.11		.159224	137220	VV	0.0000	
24	25.34		.155745	60245	VB	0.0000	
25	25.76		.236673	190333	BV	0.0000	
26	26.19		.144195	33493	VB	0.0000	
27	26.52		.224440	270450	BV	0.0000	
28	26.87		.191559	243059	VV	0.0000	
29	27.18		.205835	134182	VV	0.0000	
30	27.41		.158357	142151	VB	0.0000	
31	27.71		.110835	17563	BB	0.0000	
32	28.19		.337919	536890	BV	0.0000	
33	28.61		.206051	414391	VV	0.0000	
34	28.98		.125646	147569	VV	0.0000	
35	29.11		.189096	283748	VB	0.0000	
36	29.81		.335676	878271	BV	0.0000	
37	30.25		.158966	344075	VV	0.0000	
38	30.43		.173930	382887	VV	0.0000	
39	30.76		.160588	272482	VV	0.0000	
40	30.99		.136388	82283	VV	0.0000	

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	31.16		.116826	68241	VB	0.0000	
42	31.40		.125125	100065	BV	0.0000	
43	31.59		.145987	142028	VV	0.0000	
44	31.80		.135071	367760	VV	0.0000	
45	32.02		.140289	92585	VV	0.0000	
46	32.30		.202732	616084	VV	0.0000	
47	32.68	32.70	.138499	231252	VB	.3203	<del>Endosulfan sulfate</del>
48	32.99		.121896	80448	BV	0.0000	
49	33.18	33.11	.168634	221453	VV	.5357	Methoxychlor
50	33.54	#33.48	.147666	817746	VV	1.1437	Dibutyl Chlorendate
51	33.76		.200347	125834	VB	0.0000	
52	34.27		.130208	111058	BV	0.0000	
53	34.60		.129950	53531	PV	0.0000	
54	35.15		.177239	160408	BV	0.0000	
55	35.39		.198713	118114	VV	0.0000	
56	35.67		.116305	40893	VV	0.0000	
57	35.91		.114655	39514	VB	0.0000	
58	36.24		.183205	40282	BV	0.0000	
59	36.55		.107233	8091	PV	0.0000	
60	37.53		.127628	49681	PV	0.0000	
61	38.42		.116375	44104	VB	0.0000	

03/10/93

Jm

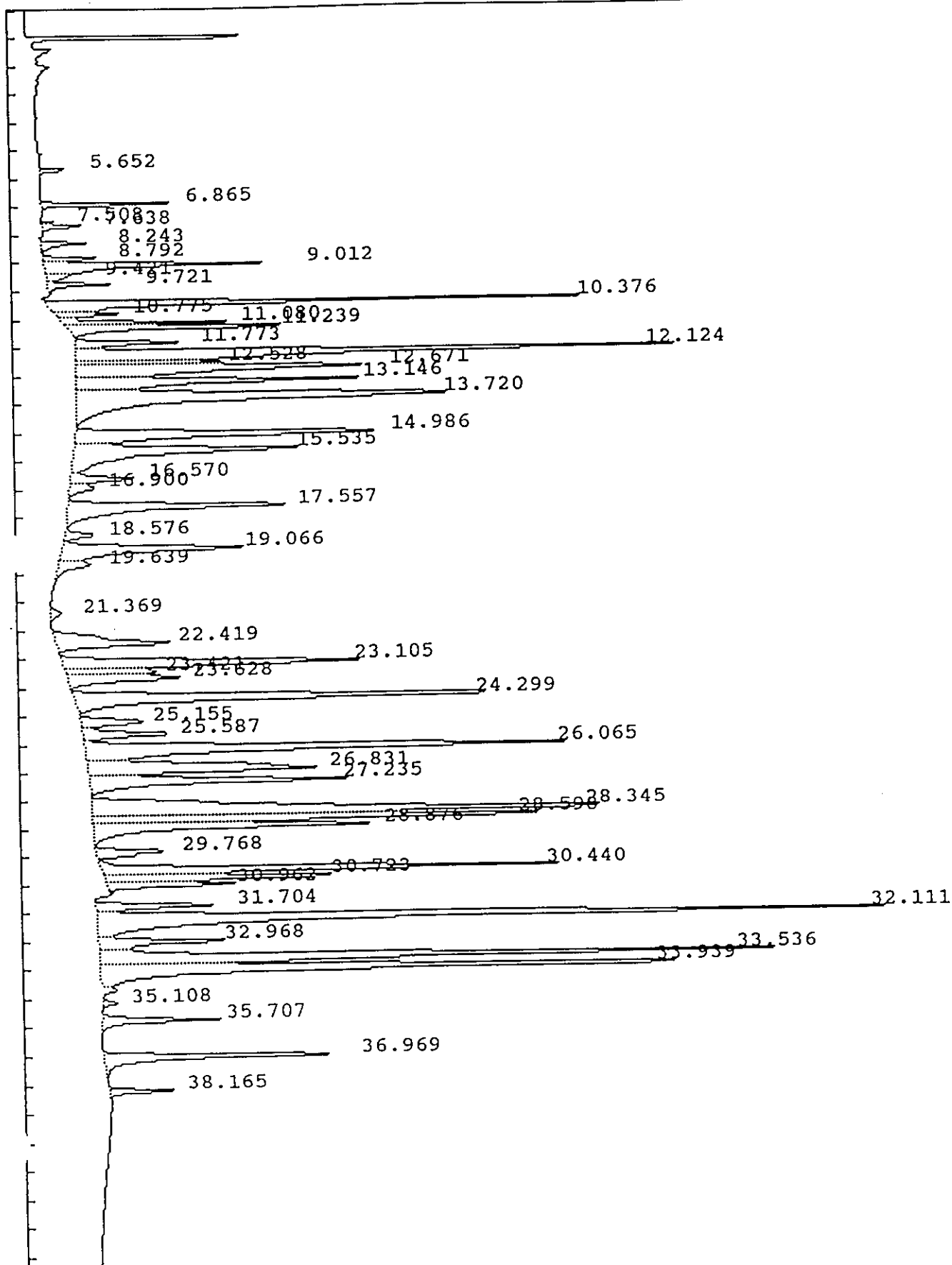
Total Area : 9625856 Total PPB : 2.160

Report Time : 1118 10Mar1993  
Method : /DATA/LOOP/METHOD/B4118.MTH  
Result File : /DATA/LOOP/RESULT/B4118007.RES

## IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng  
Result File : /DATA/LOOP/RESULT/B4118008.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0111 09Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng Report No : 179.11  
 Result File : /DATA/LOOP/RESULT/B4118008.RES Inj. Vol. : 1 ul  
 Column Type : DB-1701 30 Meter, 0.53mm ID  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0111 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 8 Bottle no. : 8

% Dil-Fact  
100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.65		.076964	19912	BB	0.0000	
2	6.86		.078859	87992	BB	0.0000	
3	7.51		.076672	7924	BV	0.0000	
4	7.64		.102481	34496	VB	0.0000	
5	8.24		.140676	47741	BV	0.0000	
6	8.79		.112909	47474	PV	0.0000	
7	9.01		.169632	274511	VV	0.0000	
8	9.42		.162924	25247	VV	0.0000	
9	9.72		.110183	55456	VV	0.0000	
10	10.38		.128428	502629	BV	0.0000	
11	10.77		.125192	57502	VV	0.0000	
12	11.08		.107593	131225	VV	0.0000	
13	11.24		.130214	225249	VB	0.0000	
14	11.77		.147971	111840	BV	0.0000	
15	12.12		.199797	825070	VV	0.0000	
16	12.53		.112897	111588	VV	0.0000	
17	12.67		.236665	479217	VV	0.0000	
18	13.15		.206053	396230	VV	0.0000	
19	13.72	13.68	.347650	847950	VB	.6409	Aldrin
20	14.99		.237724	485367	BV	0.0000	
21	15.54		.307444	464005	VV	0.0000	
22	16.57		.200657	84682	VV	0.0000	
23	16.90	16.86	.249785	41932	VV	.0418	delta-BHC
24	17.56		.260701	391047	PB	0.0000	
25	18.58		.196272	39265	BV	0.0000	
26	19.07		.281400	337382	VV	0.0000	
27	19.64		.300371	63800	VB	0.0000	
28	21.37	21.32	.256410	18243	BB	.0144	alpha-Chlordane
29	22.42		.299060	228667	BV	0.0000	
30	23.11		.239174	470877	PV	0.0000	
31	23.42	23.42	.169674	102582	VV	.0880	Dieldrin
32	23.63		.228186	170348	VV	0.0000	
33	24.30		.236758	688669	PB	0.0000	
34	25.15		.241471	98172	BV	0.0000	
35	25.59		.204552	121876	VV	0.0000	
36	26.07		.246236	783340	VV	0.0000	
37	26.83		.309454	475844	VV	0.0000	
38	27.23		.245350	423004	VB	0.0000	
39	28.34	28.41	.276753	988374	BV	.7206	Endosulfan-II
40	28.60		.191666	590799	VV	0.0000	

03/10/93  
JLW

1008

IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB
41	28.88		.221931	422627	VV	0.0000
42	29.77		.212469	106708	PV	0.0000
43	<u>30.44</u>		.172460	<u>533216</u>	<u>PV</u>	0.0000
44	30.72		.170123	280669	VV	0.0000
45	30.96		.164531	143412	VV	0.0000
46	31.70		.167696	140066	BV	0.0000
47	<u>32.11</u>		.211967	<u>1198759</u>	<u>VV</u>	0.0000
48	32.97		.192956	176166	VV	0.0000
49	33.54	#33.48	.196412	911736	VV	1.2752
50	<u>33.94</u>		.215387	<u>902914</u>	<u>VV</u>	0.0000
51	35.11		.142839	14625	VB	0.0000
52	35.71		.163437	133602	BV	0.0000
53	36.97		.173679	296595	PV	0.0000
54	38.16		.141535	63914	PB	0.0000

Name

Dibutyl Chlorendate

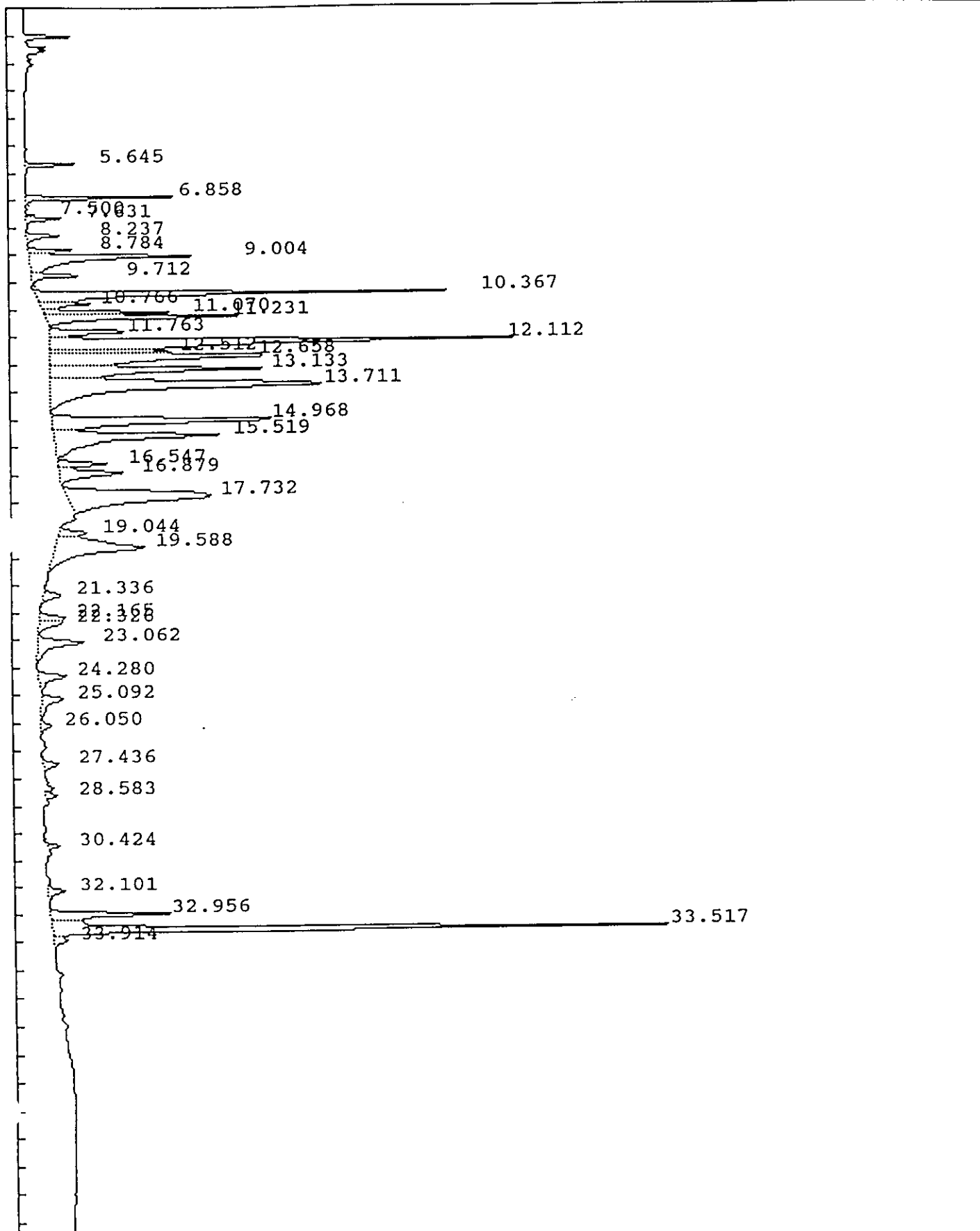
Total Area : 16682540 Total PPB : 2.781

Report Time : 1120 10Mar1993  
Method : /DATA/LOOP/METHOD/B4118.MTH  
Result File : /DATA/LOOP/RESULT/B4118008.RES

IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng  
Result File : /DATA/LOOP/RESULT/B4118009.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0204 09Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul





## IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng Report No :180.11  
 Result File : /DATA/LOOP/RESULT/B4118009.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0204 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 9 Bottle no. : 9

% Dil-Fact  
100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.65		.075063	36016	BB	0.0000	
2	6.86		.081338	100136	BB	0.0000	
3	7.50		.074945	5644	BV	0.0000	
4	7.63		.100410	28107	VB	0.0000	
5	8.24		.138272	35509	BB	0.0000	
6	8.78		.109441	35513	BV	0.0000	
7	<u>9.00</u>		.191073	<u>249278</u>	VV	0.0000	
8	9.71		.117751	49735	VB	0.0000	
9	<u>10.37</u>		.131125	<u>417013</u>	BV	0.0000	
10	10.77		.146617	53366	VV	0.0000	
11	11.07		.102333	101255	VV	0.0000	
12	11.23		.133922	199410	VB	0.0000	
13	11.76		.149311	89001	BV	0.0000	
14	<u>12.11</u>		.206496	<u>668529</u>	VV	0.0000	
15	12.51		.111932	90009	VV	0.0000	
16	<u>12.66</u>		.244458	<u>393475</u>	VV	0.0000	
17	13.13		.216533	324928	VV	0.0000	
18	<u>13.71</u>	13.68	.351084	<u>651090</u>	VB	.4921	Aldrin
19	14.97		.237103	372227	BV	0.0000	
20	15.52		.306434	346955	VV	0.0000	
21	16.55		.172401	58559	VV	0.0000	
22	16.88	16.86	.244973	105828	VV	.1055	delta-BHC
23	17.73		.454495	439571	PB	0.0000	
24	19.04		.187670	34561	PV	0.0000	
25	19.59		.478234	287836	VV	0.0000	
26	21.34	21.32	.240837	28468	BV	.0224	alpha-Chlordane
27	22.16		.208388	36859	PV	0.0000	
28	22.33		.248088	40356	VV	0.0000	
29	23.06		.309439	97532	VV	0.0000	
30	24.28		.267136	52707	PB	0.0000	
31	25.09		.323163	48646	BV	0.0000	
32	26.05		.229768	16983	VV	0.0000	
33	27.44		.236288	25506	PB	0.0000	
34	28.58		.145081	11232	VV	0.0000	
35	30.42		.137413	12738	PV	0.0000	
36	32.10		.207789	26315	VB	0.0000	
37	32.96		.186554	158469	BV	0.0000	
38	33.52	#33.48	.152269	661118	VV	.9246	Dibutyl Chlorendate
39	33.91		.211155	21424	VB	0.0000	

03/10/93

JLW

Total Area : 6411904 Total PPB : 1.545

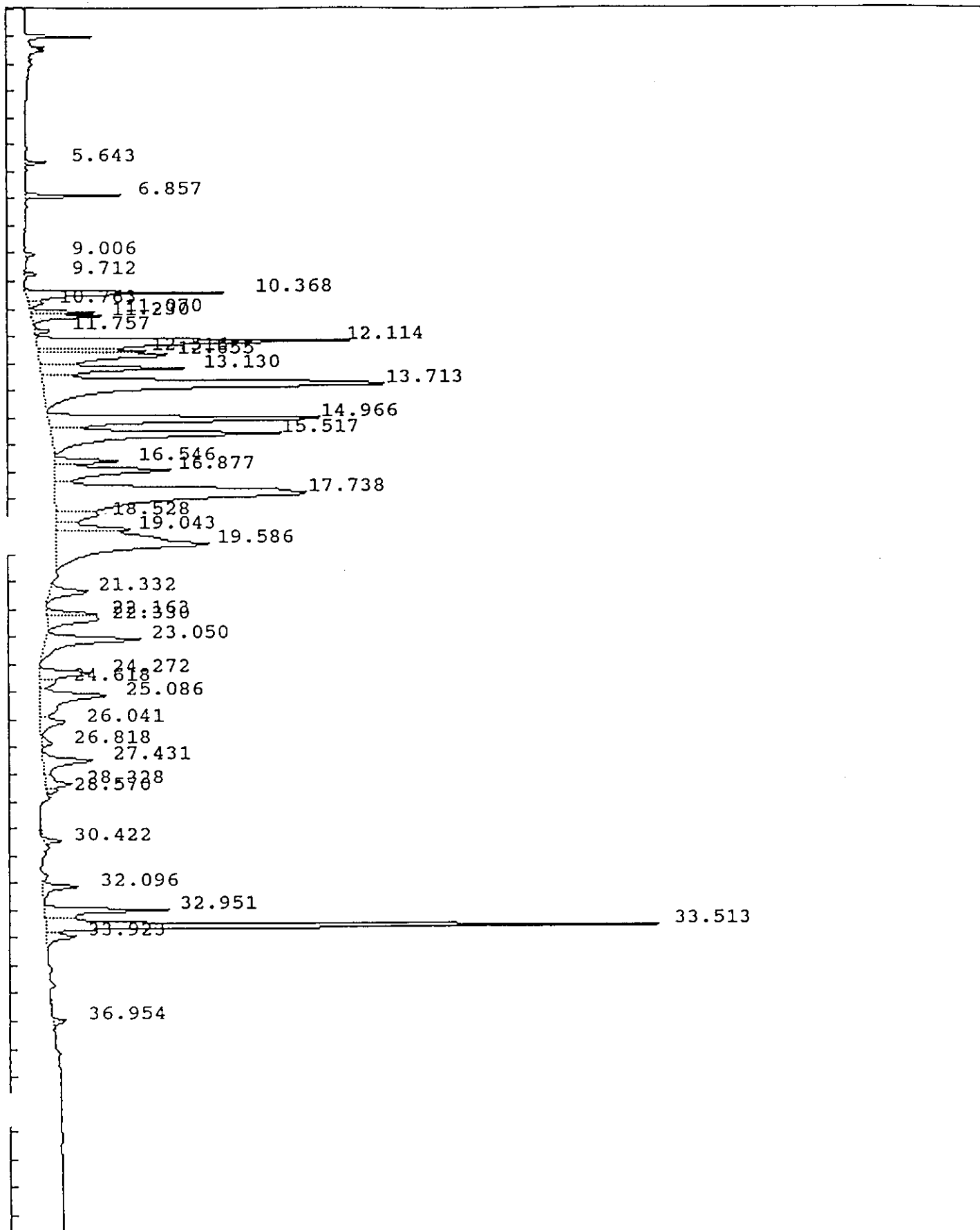
## IEA Pesticide Standard Report

Report Time : 1123 10Mar1993  
Method : /DATA/LOOP/METHOD/B4118.MTH  
Result File : /DATA/LOOP/RESULT/B4118009.RES

IEA Pesticide Standard Report

Sample Name : AR1248 1.0ng  
Result File : /DATA/LOOP/RESULT/B4118010.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0257 09Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : AR1248 1.0ng Report No :181.11  
 Result File : /DATA/LOOP/RESULT/B4118010.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0257 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 10 Bottle no. : 10

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.64		.069075	13917	BB	0.0000	
2	6.86		.080111	63539	BB	0.0000	
3	9.01		.114301	8650	BB	0.0000	
4	9.71		.090096	9601	BB	0.0000	
5	<u>10.37</u>		.129382	<u>198219</u>	BV	0.0000	
6	10.76		.141095	16281	VV	0.0000	
7	11.07		.102125	52070	VV	0.0000	
8	11.23		.132348	71424	VB	0.0000	
9	11.76		.123178	15653	BV	0.0000	
10	<u>12.11</u>		.208075	<u>460522</u>	VV	0.0000	
11	<u>12.52</u>		.126917	<u>95992</u>	VV	0.0000	
12	12.65		.233536	220179	VV	0.0000	
13	13.13		.197695	204403	VV	0.0000	
14	<u>13.71</u>	13.68	.347419	<u>810175</u>	VB	.6123	<del>Aldrin</del>
15	<u>14.97</u>		.232193	<u>453184</u>	BV	0.0000	
16	<u>15.52</u>		.278413	<u>442236</u>	VB	0.0000	
17	<u>16.55</u>		.170069	<u>73596</u>	BV	0.0000	
18	16.88	16.86	.287174	224620	VV	.2240	<del>delta-BHC</del>
19	<u>17.74</u>		.533041	<u>912363</u>	VV	0.0000	
20	<u>18.53</u>		.309509	<u>89046</u>	VV	0.0000	
21	19.04		.221221	112304	VV	0.0000	
22	19.59		.555436	573068	VV	0.0000	
23	21.33	21.32	.269540	70232	BV	.0553	<del>alpha-Chlordane</del>
24	22.16		.192058	67230	PV	0.0000	
25	22.33		.243513	85534	VB	0.0000	
26	23.05		.292526	190233	BV	0.0000	
27	24.27		.250781	90576	PV	0.0000	
28	24.62		.227910	23389	VV	0.0000	
29	25.09		.396413	180766	VV	0.0000	
30	26.04		.282844	49489	VV	0.0000	
31	26.82		.232054	17862	VV	0.0000	
32	27.43		.313228	110279	PV	0.0000	
33	28.33		.246021	45649	VV	0.0000	
34	28.57		.152001	12975	VV	0.0000	
35	30.42		.129841	16083	BV	0.0000	
36	32.10		.206316	50033	VV	0.0000	
37	32.95		.195038	170105	PV	0.0000	
38	33.51	#33.48	.149678	662037	VV	.9259	Dibutyl Chlorendate
39	33.92		.222152	47485	VB	0.0000	
40	36.95		.138782	14163	BB	0.0000	

03/10/93  
 JLM

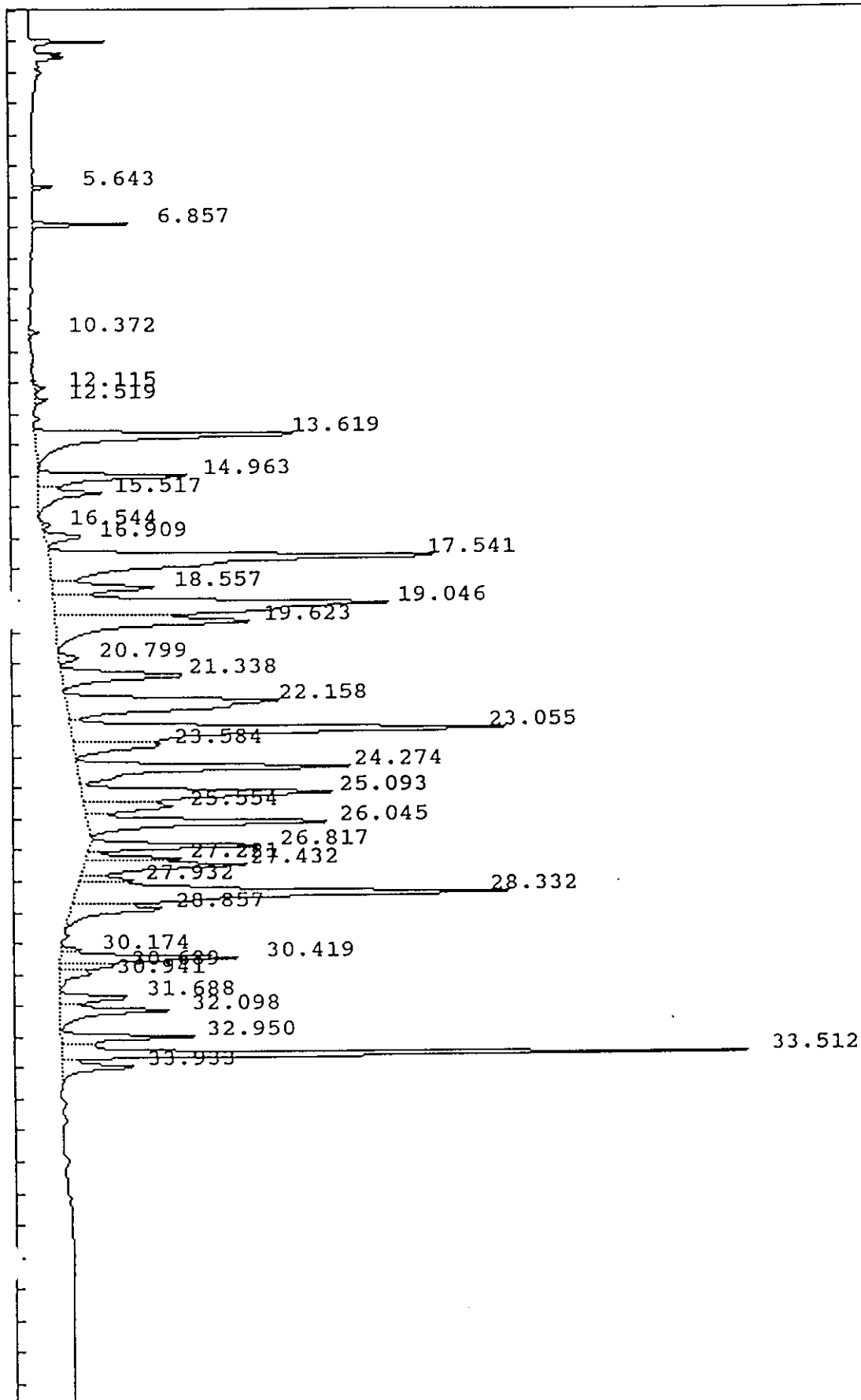
Total Area : 7025161 Total PPB : 1.818  
IEA Pesticide Standard Report

Report Time : 1126 10Mar1993  
Method : /DATA/LOOP/METHOD/B4118.MTH  
Result File : /DATA/LOOP/RESULT/B4118010.RES

## IEA Pesticide Standard Report

Sample Name : AR1254 1.0ng  
Result File : /DATA/LOOP/RESULT/B4118011.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0350 09Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Report No : 182.11

Sample Name : AR1254 1.0ng  
 Result File : /DATA/LOOP/RESULT/B4118011.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0350 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 11 Bottle no. : 11

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.64		.068994	11279	BB	0.0000	
2	6.86		.079331	56446	BB	0.0000	
3	10.37		.127598	9010	BB	0.0000	
4	12.11		.151289	10321	BB	0.0000	
5	12.52		.132729	9828	BB	0.0000	
6	13.62		.247313	428448	BB	0.0000	
7	14.96		.219427	206127	BV	0.0000	
8	15.52		.272315	103245	VV	0.0000	
9	16.54		.159964	9248	PV	0.0000	
10	16.91	16.86	.227196	52522	PB	.0524	<del>delta-BHC</del>
11	17.54		.345292	833247	BV	0.0000	
12	18.56		.262008	161955	VV	0.0000	
13	19.05		.378584	767327	VV	0.0000	
14	19.62		.337299	396696	VB	0.0000	
15	20.80	20.78	.201145	24336	BV	.0199	<del>gamma-Chlordane</del>
16	21.34	21.32	.286729	214852	PB	.1692	<del>alpha-Chlordane</del>
17	22.16		.398191	515682	BV	0.0000	
18	23.06		.291507	765675	VV	0.0000	
19	23.58		.260386	138018	VB	0.0000	
20	24.27		.252058	415305	BV	0.0000	
21	25.09		.293812	442820	VV	0.0000	
22	25.55		.270915	143706	VV	0.0000	
23	26.05		.237663	354050	VV	0.0000	
24	26.82		.181577	195324	BV	0.0000	
25	27.22		.154148	88611	VV	0.0000	
26	27.43		.260186	258151	VV	0.0000	
27	27.93		.172545	56297	VV	0.0000	
28	28.33	28.41	.295302	781535	VV	.5698	<del>Endosulfan II</del>
29	28.86		.255660	146723	VV	0.0000	
30	30.17		.132629	16816	BV	0.0000	
31	30.42		.194120	220658	VV	0.0000	
32	30.69		.174191	57303	VV	0.0000	
33	30.94	30.91	.224388	43473	VV	.0514	<del>Endrin aldehyde</del>
34	31.69		.207108	91399	PV	0.0000	
35	32.10		.234400	159007	VV	0.0000	
36	32.95		.190990	157917	VV	0.0000	
37	33.51	#33.48	.148235	651916	VV	.9118	Dibutyl Chlorendate
38	33.93		.215108	101937	VB	0.0000	

03/10/93  
Jen

Total Area : 9097210 Total PPB : 1.774

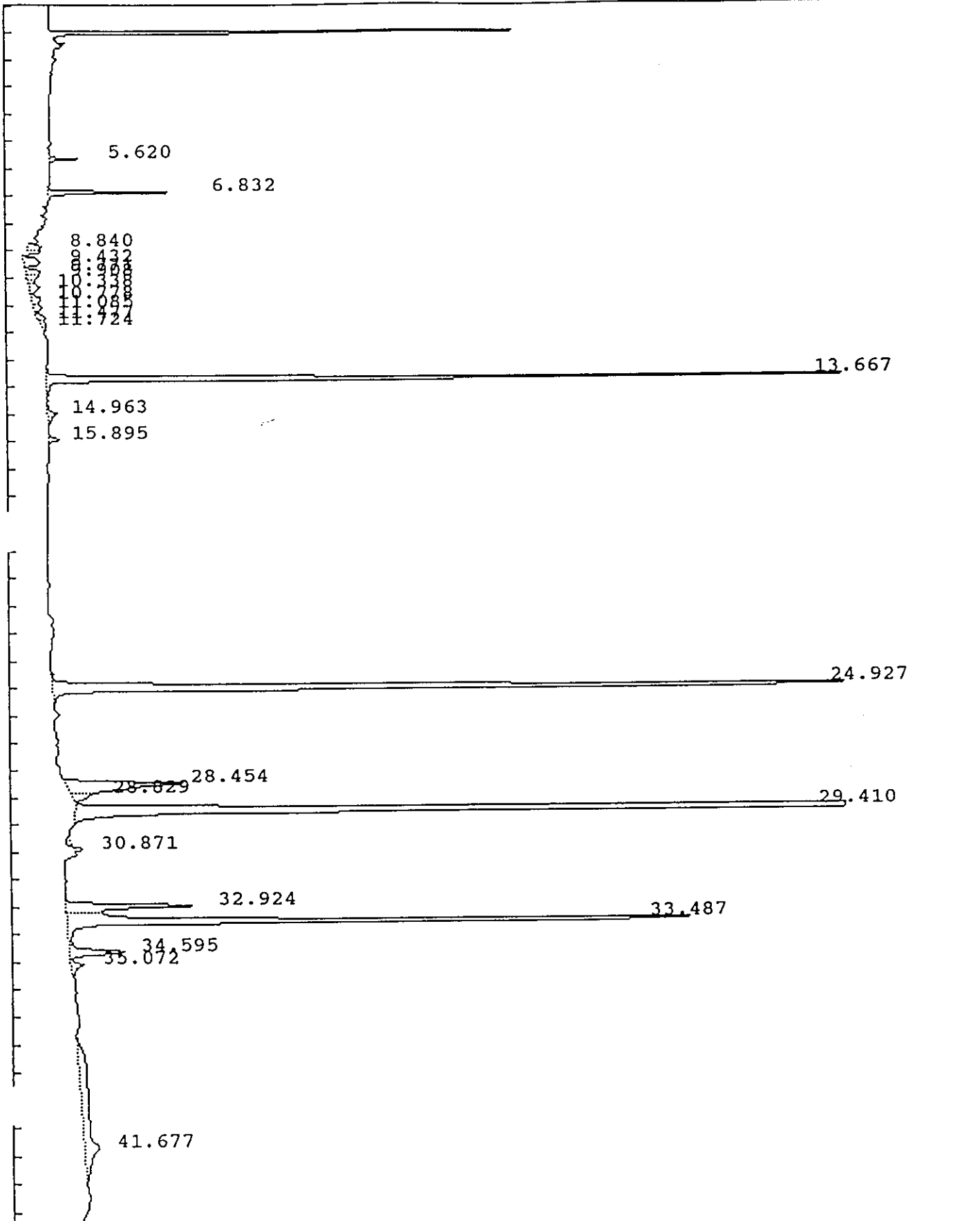
Report Time : 1130 10Mar1993  
                  IEA Pesticide Standard Report  
Method : /DATA/LOOP/METHOD/B4118.MTH  
Result File : /DATA/LOOP/RESULT/B4118011.RES



IEA Pesticide Standard Report

Sample Name : EVALB  
Result File : /DATA/LOOP/RESULT/B4118017.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0932 09Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



8.840  
14.963  
15.895  
24.927  
28.454  
29.410  
30.871  
32.924  
33.487  
34.595

## IEA Pesticide Standard Report

Sample Name : EVALB Report No : 188.12  
 Result File : /DATA/LOOP/RESULT/B4118017.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0932 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 17 Bottle no. : 17

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline  
 SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.62		0.000000	16170	BB	0.0000	
2	6.83		0.000000	81948	BB	0.0000	
3	8.84		0.000000	17406	VV	0.0000	
4	9.43		0.000000	34819	PV	0.0000	
5	9.77		0.000000	20149	VV	0.0000	
6	9.91		0.000000	16014	VV	0.0000	
7	10.34		0.000000	20659	VV	0.0000	
8	10.78		0.000000	18639	VV	0.0000	
9	11.09		0.000000	10345	VV	0.0000	
10	11.48		0.000000	13588	PV	0.0000	
11	11.72		0.000000	12207	VV	0.0000	
12	13.67	13.68	0.000000	714419	PV	.5399	Aldrin
13	14.96		0.000000	20259	PB	0.0000	
14	15.90		0.000000	12061	BB	0.0000	
15	24.93	24.96	0.000000	1117502	BV	1.2928	Endrin
16	28.45	28.45	0.000000	232856	FF	.2987	4,4'-DDD
17	28.83		0.000000	27426	FF	0.0000	
18	29.41	29.41	0.000000	1709383	BB	2.5656	4,4'-DDT
19	30.87	30.91	0.000000	1955	BV	.0023	Endrin aldehyde
20	32.92		0.000000	182249	BV	0.0000	
21	33.49	#33.48	0.000000	785037	VV	1.0980	Dibutyl Chlorendate
22	34.60		0.000000	83916	VV	0.0000	ENDUAN KETONE
23	35.07		0.000000	25892	VV	0.0000	
24	41.68		0.000000	235696	VB	0.0000	

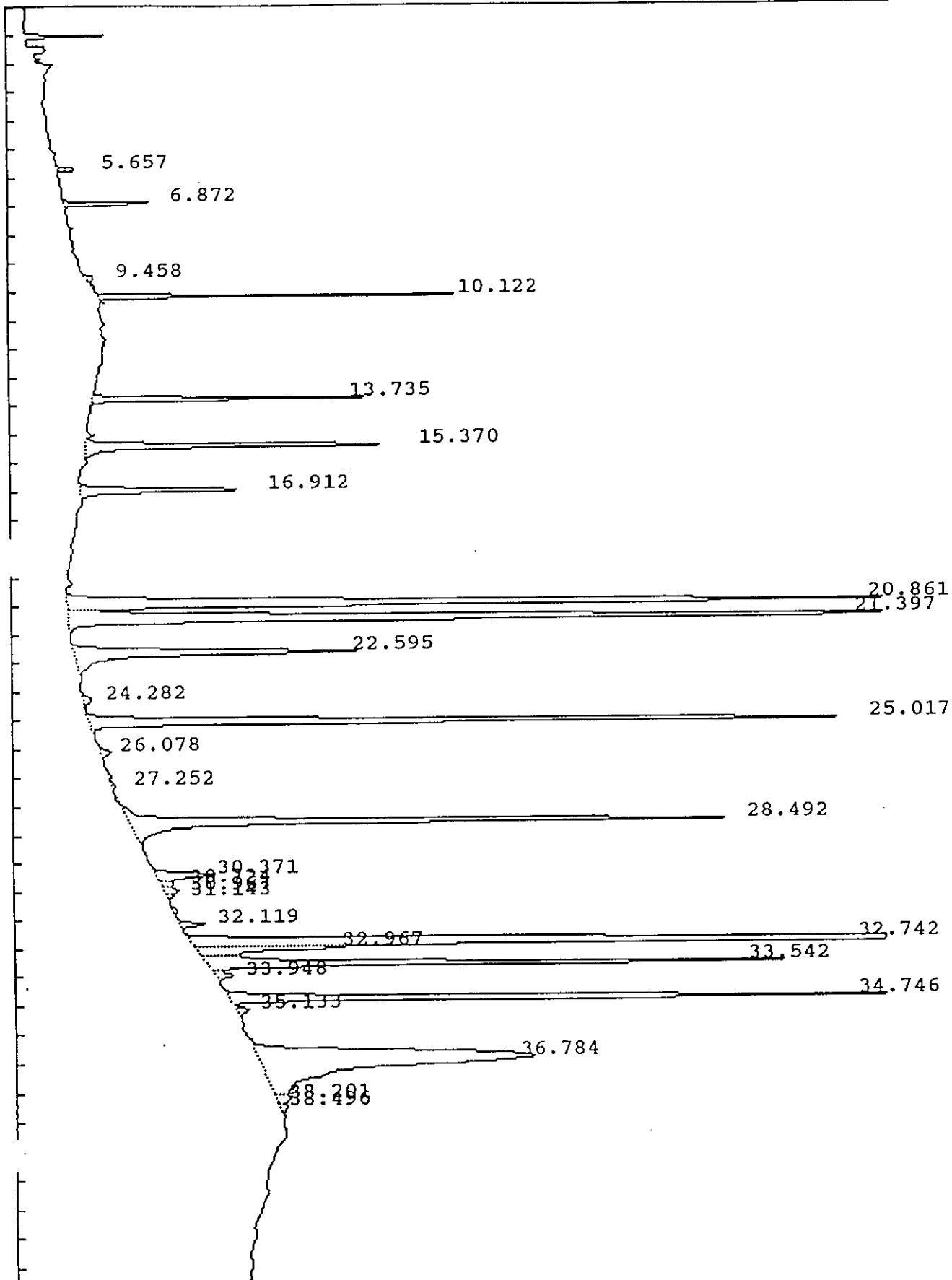
Total Area : 5410597 Total PPB : 5.797

Report Time : 1149 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH  
 Result File : /DATA/LOOP/RESULT/B4118017.RES

IEA Pesticide Standard Report

Sample Name : INDB  
Result File : /DATA/LOOP/RESULT/B4118023.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1454 09Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDB Report No : 194.01  
 Result File : /DATA/LOOP/RESULT/B4118023.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1454 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 23 Bottle no. : 23

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.66		.066349	13571	BB	0.0000	
2	6.87		.077067	64886	BB	0.0000	
3	9.46		.206705	11168	BV	0.0000	
4	10.12	10.09	.077168	209953	VB	0.0000	alpha-BHC 03/10/93
5	13.73	13.68	.111001	210017	BB	.1587	Aldrin
6	15.37	15.32	.144171	313051	VV	.4617	beta-BHC
7	16.91	16.86	.152816	179512	BB	.1790	delta-BHC
8	20.86	20.78	.215945	1167238	PV	.9527	gamma-Chlordane
9	21.40	21.32	.215571	1195263	VB	.9414	alpha-Chlordane
10	22.59	22.53	.246147	449573	BB	.4681	4,4'-DDE
11	24.28		.264475	14497	BB	0.0000	
12	25.02	24.96	.166092	864166	BV	.9997	Endrin
13	26.08		.208793	16178	VB	0.0000	
14	27.25		.402539	10115	BV	0.0000	
15	28.49	28.45	.187885	770174	PV	.9878	4,4'-DDD
16	30.37		.235421	89925	VV	0.0000	
17	30.72		.153256	11828	VV	0.0000	
18	30.97		.198894	18151	VV	0.0000	
19	31.14		.151438	7299	VB	0.0000	
20	32.12		.194514	33253	BV	0.0000	
21	32.74	32.70	.134323	3183993	PV	4.4102	Endosulfan sulfate
22	32.97		.166452	166562	VV	0.0000	
23	33.54	#33.48	.151758	618092	VV	.8645	Dibutyl Chlorendate
24	33.95		.189933	23636	VB	0.0000	
25	34.75	34.71	.129892	815953	BV	.9123	Endrin ketone
26	35.13		.215164	18991	VB	0.0000	
27	36.78		.655497	1152137	PV	0.0000	
28	38.20		.287484	27176	VV	0.0000	
29	38.50		.257739	12468	VB	0.0000	

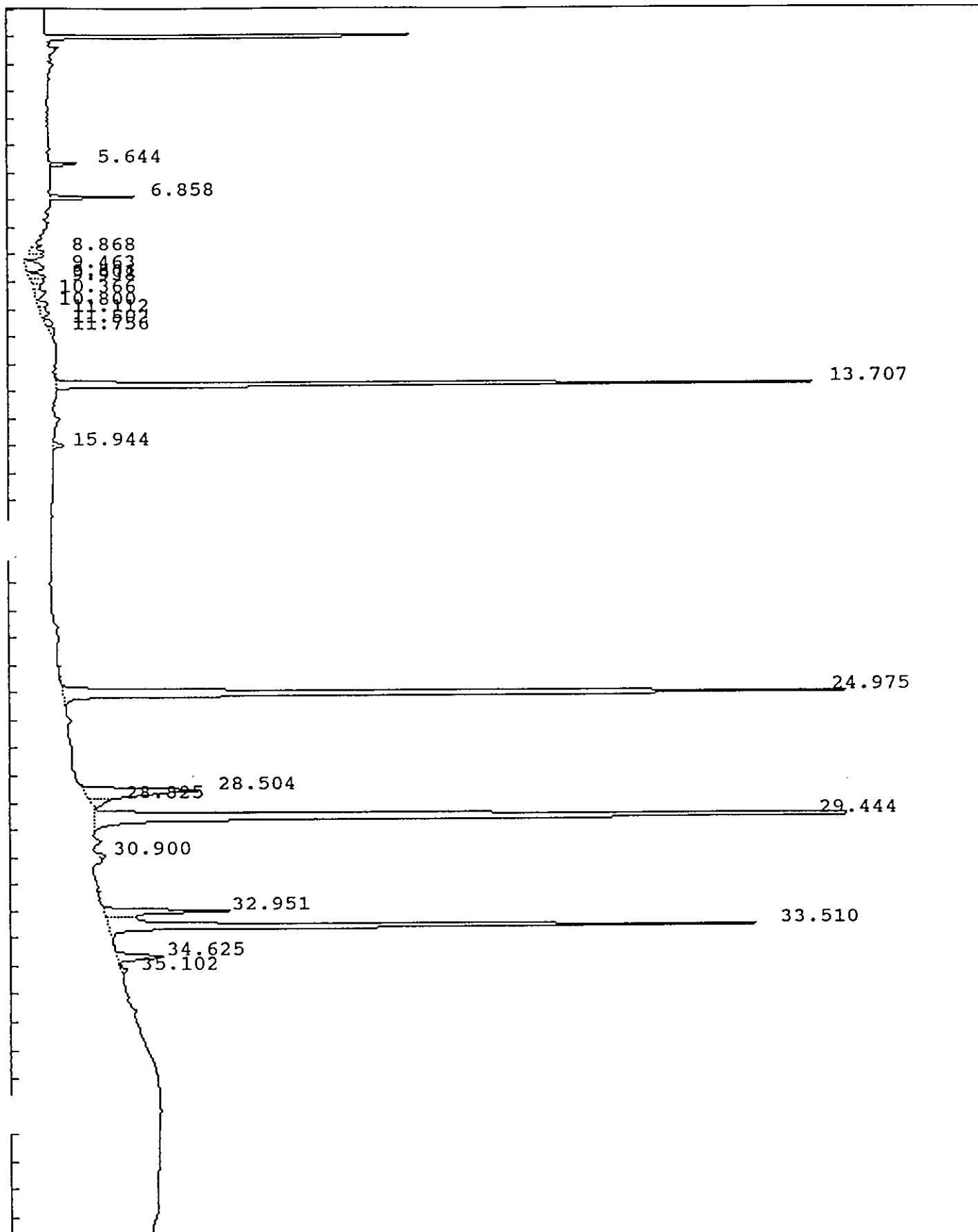
Total Area : 11668828 Total PPB : 11.336

Report Time : 1219 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH  
 Result File : /DATA/LOOP/RESULT/B4118023.RES

IEA Pesticide Standard Report

Sample Name : EVALB  
Result File : /DATA/LOOP/RESULT/B4118029.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 2105 09Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALB Report No : 200.12  
 Result File : /DATA/LOOP/RESULT/B4118029.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 2105 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 29 Bottle no. : 29

% Dil-Fact  
10.00

Run Status : RunStatusOK  
SpecialInteg

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.64		0.000000	18719	BB	0.0000	
2	6.86		0.000000	56673	BB	0.0000	
3	8.87		0.000000	18666	VV	0.0000	
4	9.46		0.000000	38196	PV	0.0000	
5	9.80		0.000000	22193	VV	0.0000	
6	9.94		0.000000	17201	VV	0.0000	
7	10.37		0.000000	22886	VV	0.0000	
8	10.80		0.000000	15877	VV	0.0000	
9	11.11		0.000000	16246	VV	0.0000	
10	11.50		0.000000	14495	PV	0.0000	
11	11.76		0.000000	13987	VV	0.0000	
12	13.71	13.68	0.000000	666577	BB	.0504	Aldrin
13	15.94		0.000000	10780	BB	0.0000	
14	24.97	24.96	0.000000	1094292	BB	.1266	Endrin
15	28.50	28.45	0.000000	217202	FF	.0279	4,4'-DDD
16	28.83		0.000000	29439	FF	0.0000	
17	29.44	29.41	0.000000	1665281	BB	.2499	4,4'-DDT
18	30.90	30.91	0.000000	8788	PV	.0010	Endrin aldehyde
19	32.95		0.000000	154807	BV	0.0000	
20	33.51	#33.48	0.000000	715733	VB	.1001	Dibutyl Chlorendate
21	34.62		0.000000	62366	BV	0.0000	ENDRIN KETONE
22	35.10		0.000000	9433	PB	0.0000	

03/10/93  
JW

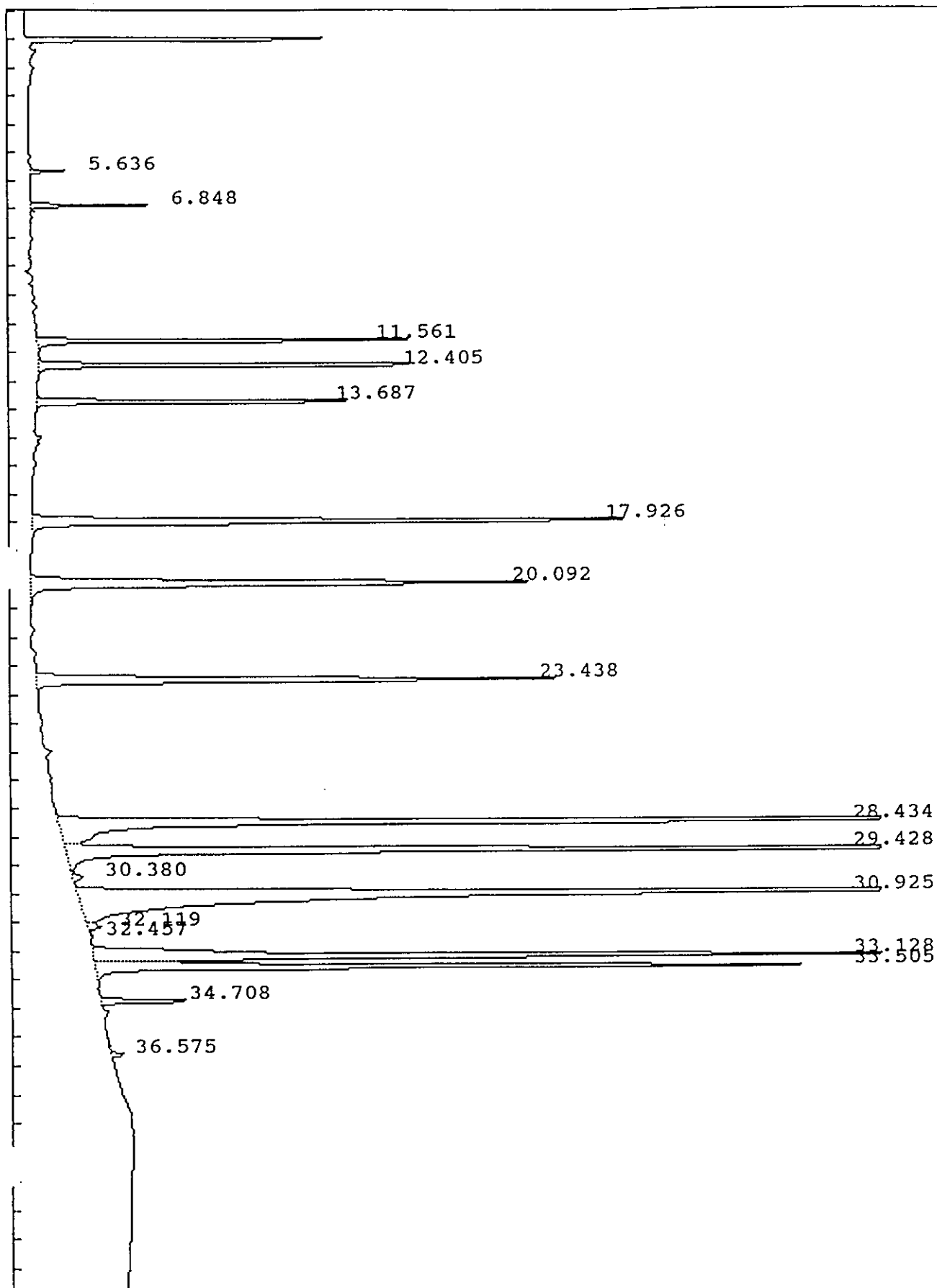
Total Area : 4889841 Total PPB : .556

Report Time : 1237 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH  
 Result File : /DATA/LOOP/RESULT/B4118029.RES

## IEA Pesticide Standard Report

Sample Name : INDA  
Result File : /DATA/LOOP/RESULT/B4118036.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0317 10Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : INDA Report No :207.01  
 Result File : /DATA/LOOP/RESULT/B4118036.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0317 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 36 Bottle no. : 36

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.64		.066778	20052	BB	0.0000	
2	6.85		.075793	67787	BB	0.0000	
3	11.56	11.55	.086482	287052	BB	.2136	gamma-BHC (Lindane)
4	12.41	12.40	.097748	337712	BB	.2115	Heptachlor
5	13.69	13.68	.110765	280218	BB	.2118	Aldrin
6	17.93	17.91	.170384	697580	BB	.5279	Heptachlor epoxide
7	20.09	20.07	.202588	662172	BB	.5315	Endosulfan I
8	23.44	23.42	.178724	613955	BB	.5268	Dieldrin
9	28.43	28.45	.173739	1426979	BV	1.8302	<del>4,4'-DDD</del> ENDOSULFAN I
10	29.43	29.41	.162004	1295162	VV	1.9439	4,4'-DDT
11	30.38		.214300	15360	VV	0.0000	
12	30.93	30.91	.272941	1732041	PV	2.0477	Endrin aldehyde
13	32.12		.152041	14300	VV	0.0000	
14	32.46		.185684	3137	VB	0.0000	
15	33.13	33.11	.166192	1037959	BV	2.5106	Methoxychlor
16	33.51	#33.48	.144887	736704	VB	1.0304	Dibutyl Chlorendate
17	34.71	34.71	.119426	79613	BV	.0890	Endrin ketone
18	36.57		.113997	10060	BB	0.0000	

Total Area : 9317846 Total PPB : 11.675

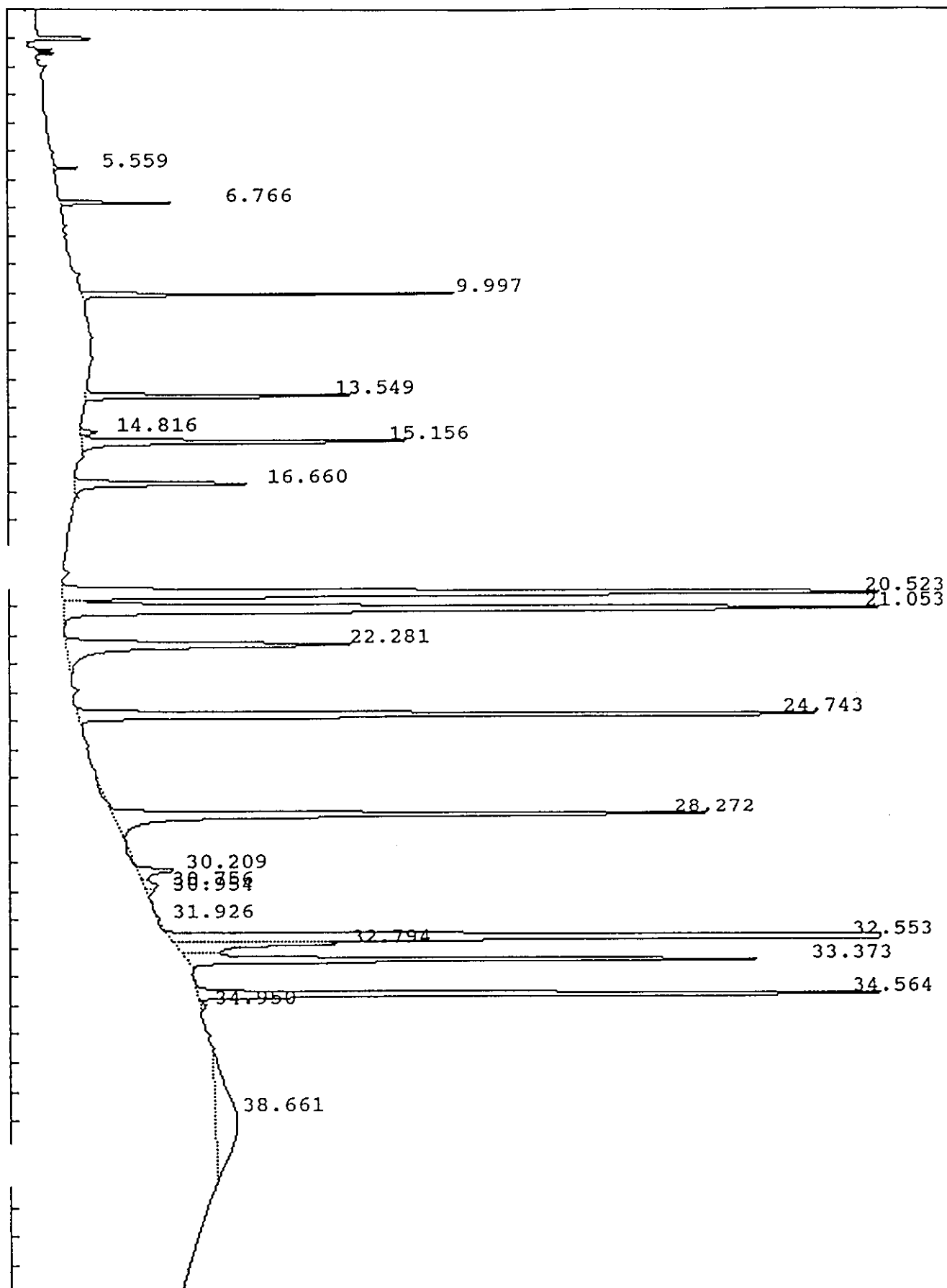
Report Time : 1252 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH  
 Result File : /DATA/LOOP/RESULT/B4118036.RES



## IEA Pesticide Standard Report

Sample Name : INDB  
Result File : /DATA/LOOP/RESULT/B4118037.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0857 10Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDB Report No : 208.01  
 Result File : /DATA/LOOP/RESULT/B4118037.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0857 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 37 Bottle no. : 37

% Dil-Fact  
100.00

Run Status : RunStatusOK  
NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.56		.064080	12185	BB	0.0000	
2	6.77		.075345	69712	BB	0.0000	
3	10.00		.073922	212491	BB	0.0000	ALPHA - BHC
4	13.55		.105803	212396	BB	0.0000	ALDRIN
5	14.82		.148028	15059	BV	0.0000	
6	15.16		.139099	323294	VV	0.0000	BETA - BHC
7	16.66		.150607	184572	BB	0.0000	DELTA - BHC
8	20.52		.204385	1173342	BV	0.0000	GAMMA CHLORDANE
9	21.05		.216749	1206548	VB	0.0000	ALPHA CHLORDANE
10	22.28		.251446	464876	BB	0.0000	4,4-DDE
11	24.74		.165604	870305	BB	0.0000	ENDRIN
12	28.27		.177688	732204	PV	0.0000	4,4-DDD
13	30.21		.210874	51648	VV	0.0000	
14	30.76		.231817	22463	VV	0.0000	
15	30.95	30.91	.167353	8955	VB	.0106	Endrin aldehyde
16	31.93		.254972	5908	BV	0.0000	
17	32.55		.133564	3245225	PV	0.0000	ENDOSULFAN SULFATE
18	32.79		.198051	219125	VV	0.0000	
19	33.37		.143047	595875	VB	0.0000	BHC
20	34.56		.125803	826038	BV	0.0000	ENDRIN KETONE
21	34.95		.187953	8298	VB	0.0000	
22	38.66		2.531534	346692	BB	0.0000	

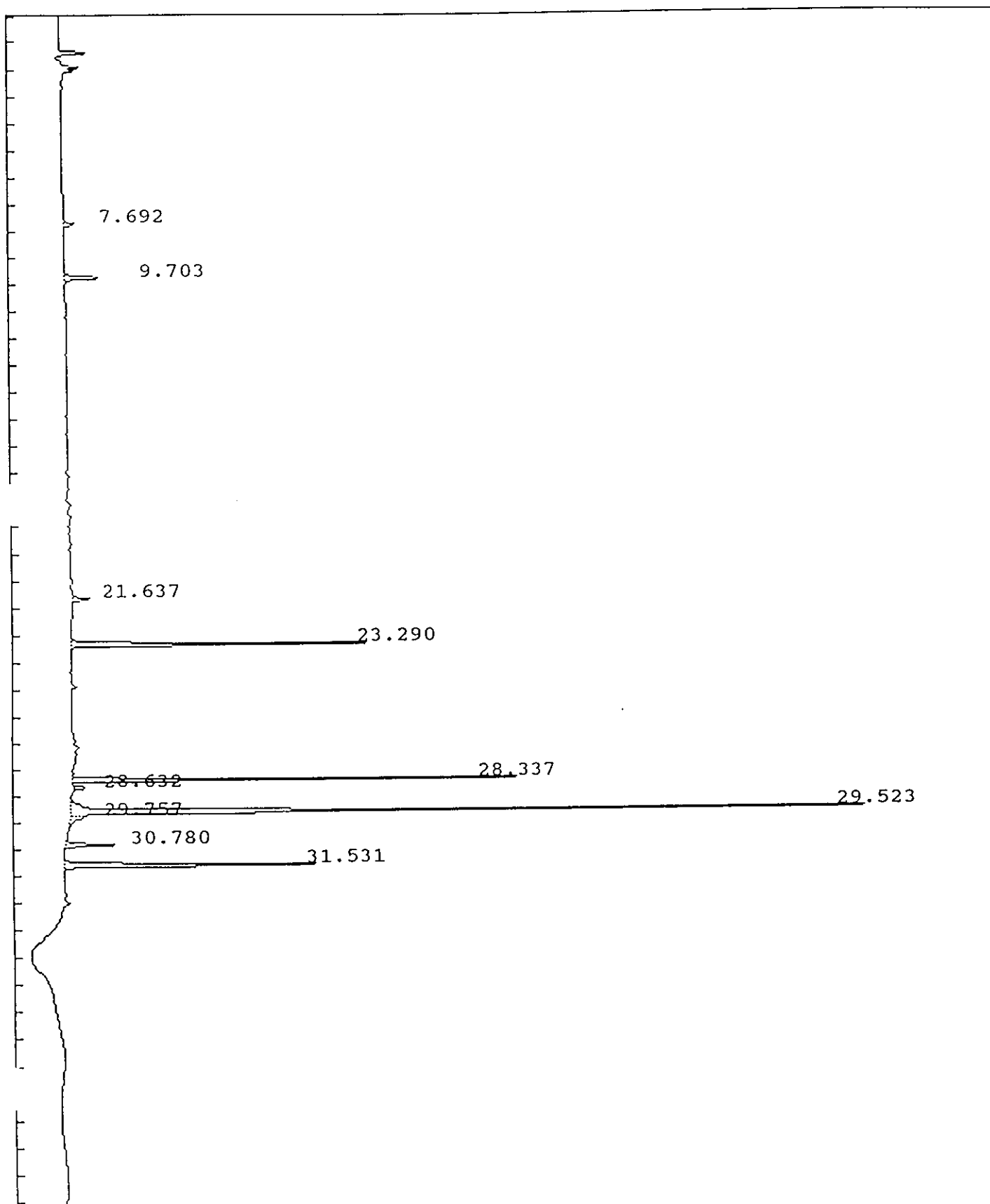
Total Area : 10807214 Total PPB : .011

Report Time : 1256 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH  
 Result File : /DATA/LOOP/RESULT/B4118037.RES

03/10/93  
JLM

## IEA Pesticide Standard Report

Sample Name : EVALA Inj on 1111 08Mar1993  
Result File : /HP58901B/B1227002.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALA Report No : 174.01  
 Result File : /HP58901B/B1227002.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1111 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 2 Bottle no. : 2

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 NoReference

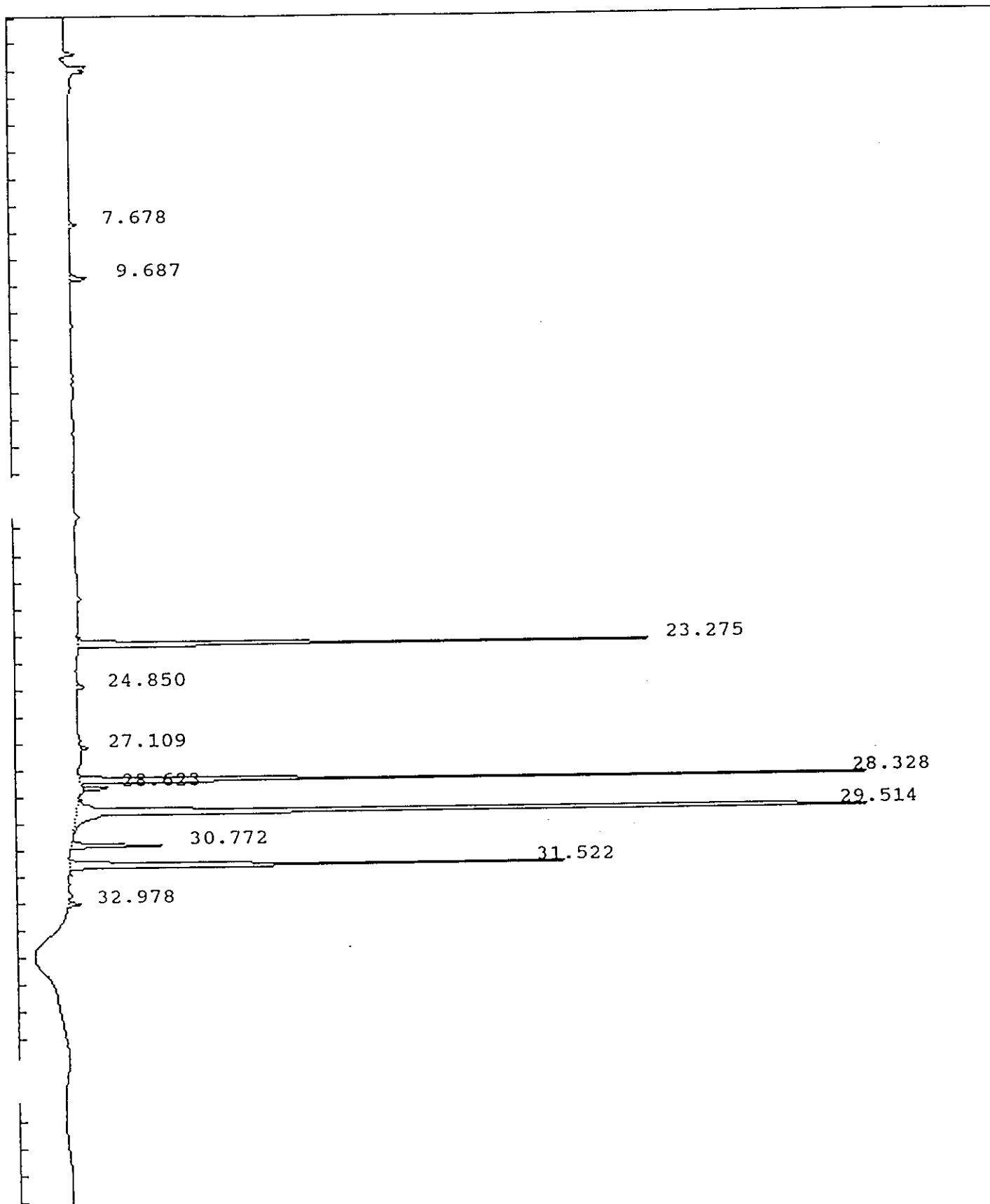
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.69		.096596	46863	BB	0.0000	
2	9.70		.111746	155948	BB	0.0000	
3	21.64	21.83	.097238	71267	BB	.0162	Heptachlor
4	23.29	23.26	.086772	978478	BB	.2429	Aldrin
5	28.34	28.32	.071697	1333267	PV	.5635	Endrin
6	28.63	28.61	.071980	48421	PV	.0231	4,4'-DDD
7	29.52	29.50	.082311	3142710	VV	1.3785	4,4'-DDT
8	29.76	29.69	.175455	94110	VB	.0453	Endrin aldehyde
9	30.78		.092976	182131	BB	0.0000	
10	31.53		.104612	1010735	BB	0.0000	<i>DC</i>

Total Area : 7063931 Total PPB : 2.269

Report Time : 0935 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1227.MTH  
 Result File : /HP58901B/B1227002.RES

IEA Pesticide Standard Report

Sample Name : EVALB Inj on 1205 08Mar1993  
Result File : /HP58901B/B1227003.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALB Report No : 175.01  
 Result File : /HP58901B/B1227003.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1205 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 3 Bottle no. : 3

% Dil-Fact  
 100.00

Run Status : SignalOverload

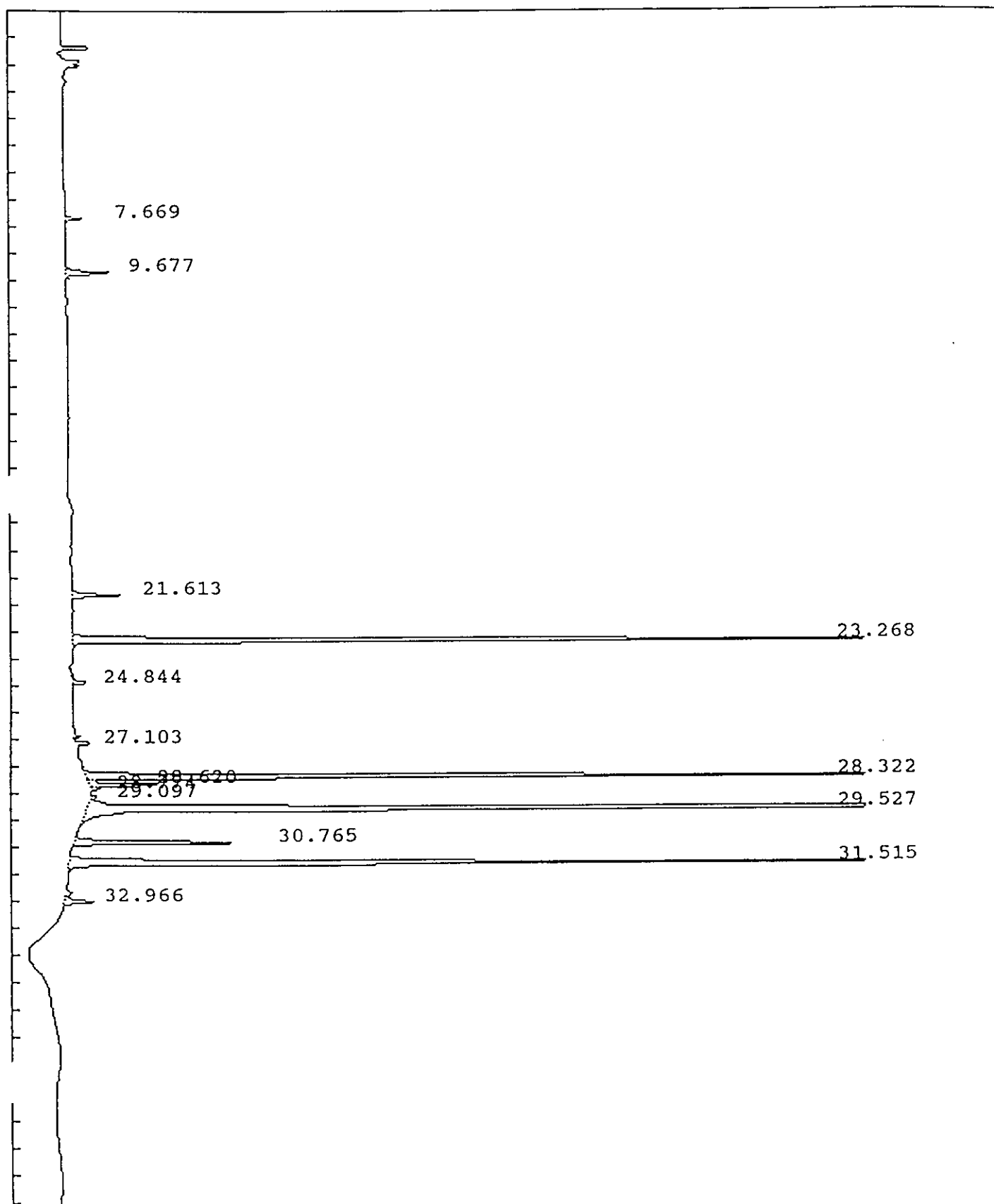
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.68		.103252	31504	BB	0.0000	
2	9.69		.117202	78746	BB	0.0000	
3	23.28	23.26	.094593	2060275	BB	.5114	Aldrin
4	24.85		.083197	31801	BB	0.0000	
5	27.11	27.10	.082940	32169	PB	.0104	4,4'-DDE
6	28.33	28.32	.078005	2722262	BV	1.1506	Endrin
7	28.62	28.61	.069667	101853	PV	.0486	4,4'-DDD
8	29.51	29.50	.100895	6048663	GB	2.6531	4,4'-DDT
9	30.77		.099894	366891	BB	0.0000	
10	31.52	#31.51	.113266	2063419	BB	.9987	Dibutyl Chlorendate
11	32.98	32.97	.112738	55826	BB	.0200	Endrin ketone

Total Area : 13593410 Total PPB : 5.393

Report Time : 0941 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1227.MTH  
 Result File : /HP58901B/B1227003.RES

## IEA Pesticide Standard Report

Sample Name : EVALC Inj on 1258 08Mar1993  
Result File : /HP58901B/B1227004.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALC Report No : 176.01  
 Result File : /HP58901B/B1227004.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1258 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 4 Bottle no. : 4

% Dil-Fact  
 100.00

Run Status : SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.67		.104225	61770	BB	0.0000	
2	9.68		.119380	188085	BB	0.0000	
3	21.61		.107766	190202	BB	0.0000	
4	23.27	23.26	.095729	3871905	BB	.9611	Aldrin
5	24.84		.088435	63775	BB	0.0000	
6	27.10	27.10	.086109	62180	PB	.0201	4,4'-DDE
7	28.32	28.32	.083581	4957832	GV	2.0955	Endrin
8	28.62	28.61	.083723	281446	VV	.1342	4,4'-DDD
9	28.77	28.82	.074713	24293	VB	.0088	Endosulfan II
10	29.10		.057970	18846	BV	0.0000	
11	29.53	29.50	.132135	7834012	GS	3.4362	4,4'-DDT
12	30.76		.098773	676338	BT	0.0000	
13	31.51	#31.51	.111761	3774750	BB	1.8270	Dibutyl Chlorendate
14	32.97	32.97	.129264	136471	VB	.0489	Endrin ketone

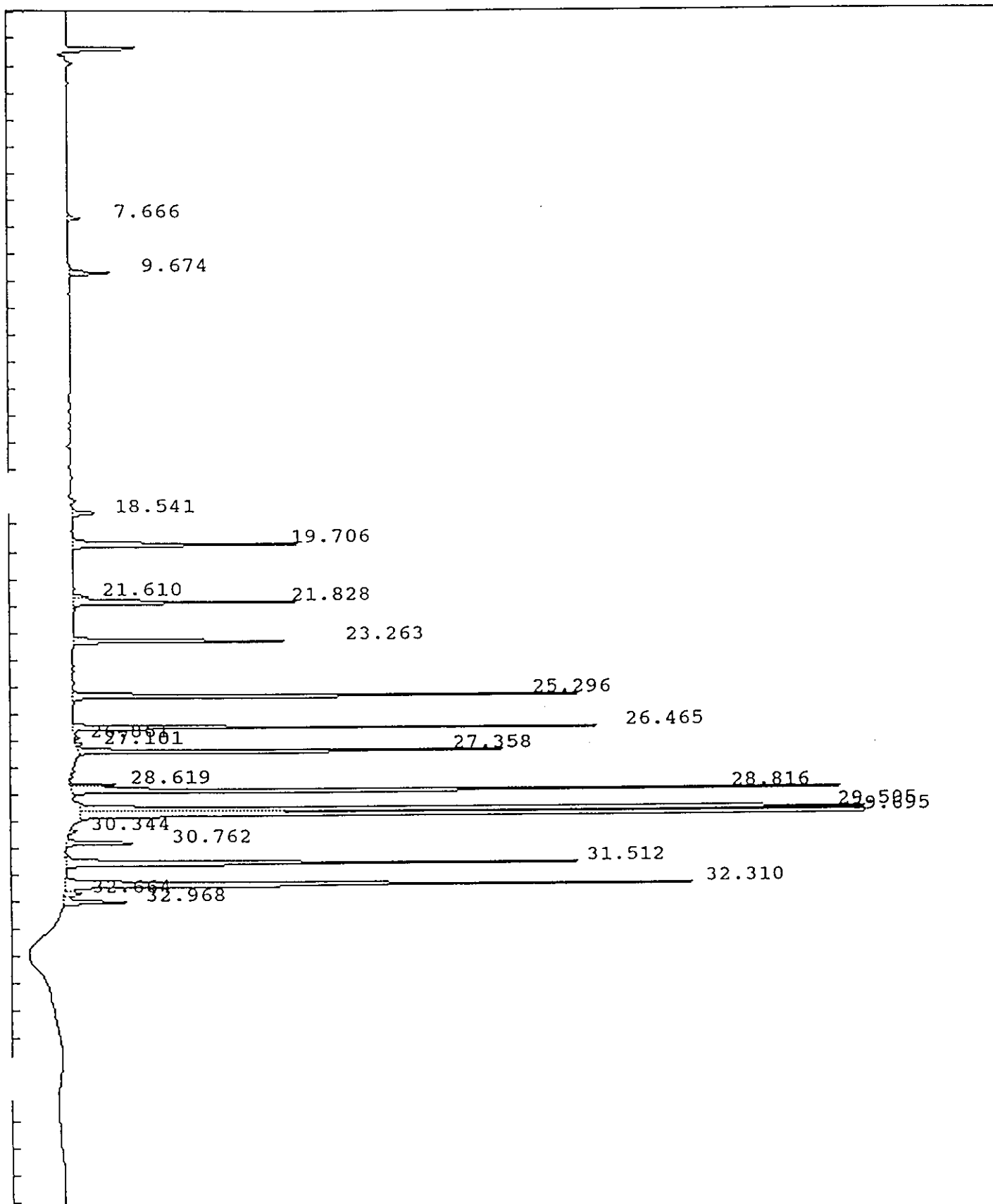
Total Area : 22141912 Total PPB : 8.532

Report Time : 0946 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1227.MTH  
 Result File : /HP58901B/B1227004.RES



IEA Pesticide Standard Report

Sample Name : INDA Inj on 1351 08Mar1993  
 Result File : /HP58901B/B1227005.RES INSTRUMENT: HP58901B  
 Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDA Report No : 177.12  
 Result File : /HP58901B/B1227005.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1351 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 5 Bottle no. : 5

% Dil-Fact  
 100.00

Run Status : RunStatusOK

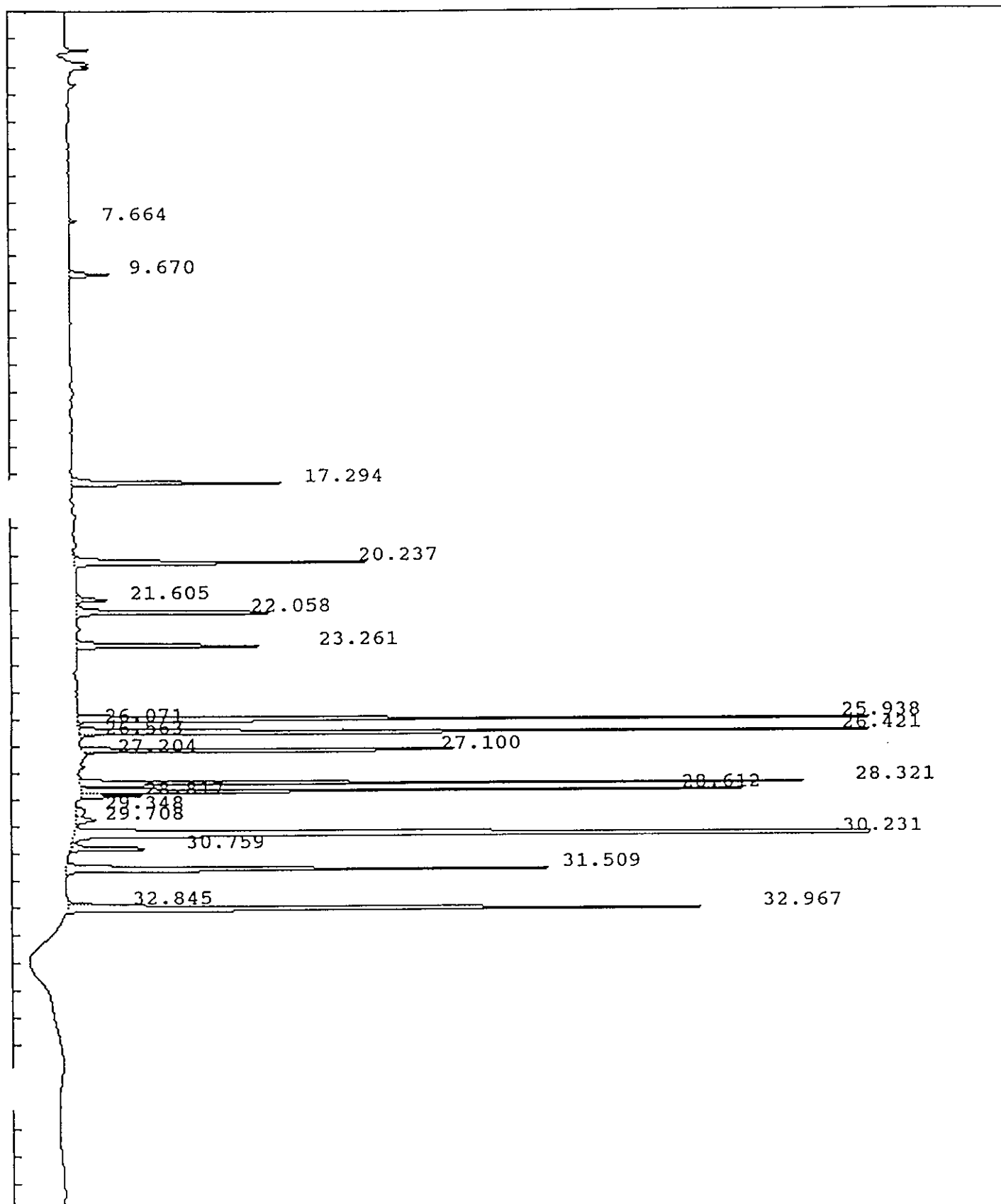
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.67		.100502	48168	BB	0.0000	
2	9.67		.115127	170808	BB	0.0000	
3	18.54		.131659	114946	BB	0.0000	
4	19.71	19.71	.112063	929856	BB	.2000	gamma-BHC (Lindane)
5	21.61		.095270	50920	BV	0.0000	
6	21.83	21.83	.106974	882403	VB	.2000	Heptachlor
7	23.26	23.26	.090076	805748	BB	.2000	Aldrin
8	25.30	25.30	.082639	1857296	BB	.5000	Heptachlor epoxide
9	26.46	26.46	.079539	1688006	BV	.5000	Endosulfan I
10	26.86		.099176	25170	VV	0.0000	
11	27.10	27.10	.085526	29981	PV	.0097	4,4'-DDE
12	27.36	27.36	.074882	1574798	VB	.5000	Dieldrin
13	28.62	28.61	.074460	167794	BV	.0800	4,4'-DDD
14	28.82	28.82	.078075	2760783	VV	1.0000	Endosulfan II
15	29.50	29.50	.083644	4559679	BV	2.0000	4,4'-DDT
16	29.69	29.69	.087212	4153993	VB	2.0000	Endrin aldehyde
17	30.34	30.23	.080690	28251	BB	.0178	Endosulfan sulfate
18	30.76		.097708	294841	BB	0.0000	
19	31.51	#31.51	.108937	2066145	VB	1.0000	Dibutyl Chlorendate
20	32.31	32.31	.120715	2781110	BV	2.5000	Methoxychlor
21	32.66		.140318	83620	VV	0.0000	
22	32.97	32.97	.118462	276930	VB	.0992	Endrin ketone

Total Area : 25351252 Total PPB : 10.807

Report Time : 0952 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1227.MTH  
 Result File : /HP58901B/B1227005.RES

## IEA Pesticide Standard Report

Sample Name : INDB Inj on 1445 08Mar1993  
Result File : /HP58901B/B1227006.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDB  
 Result File : /HP58901B/B1227006.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1445 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 6 Bottle no. : 6

% Dil-Fact  
 100.00

Run Status : SignalOverload  
 SpecialInteg

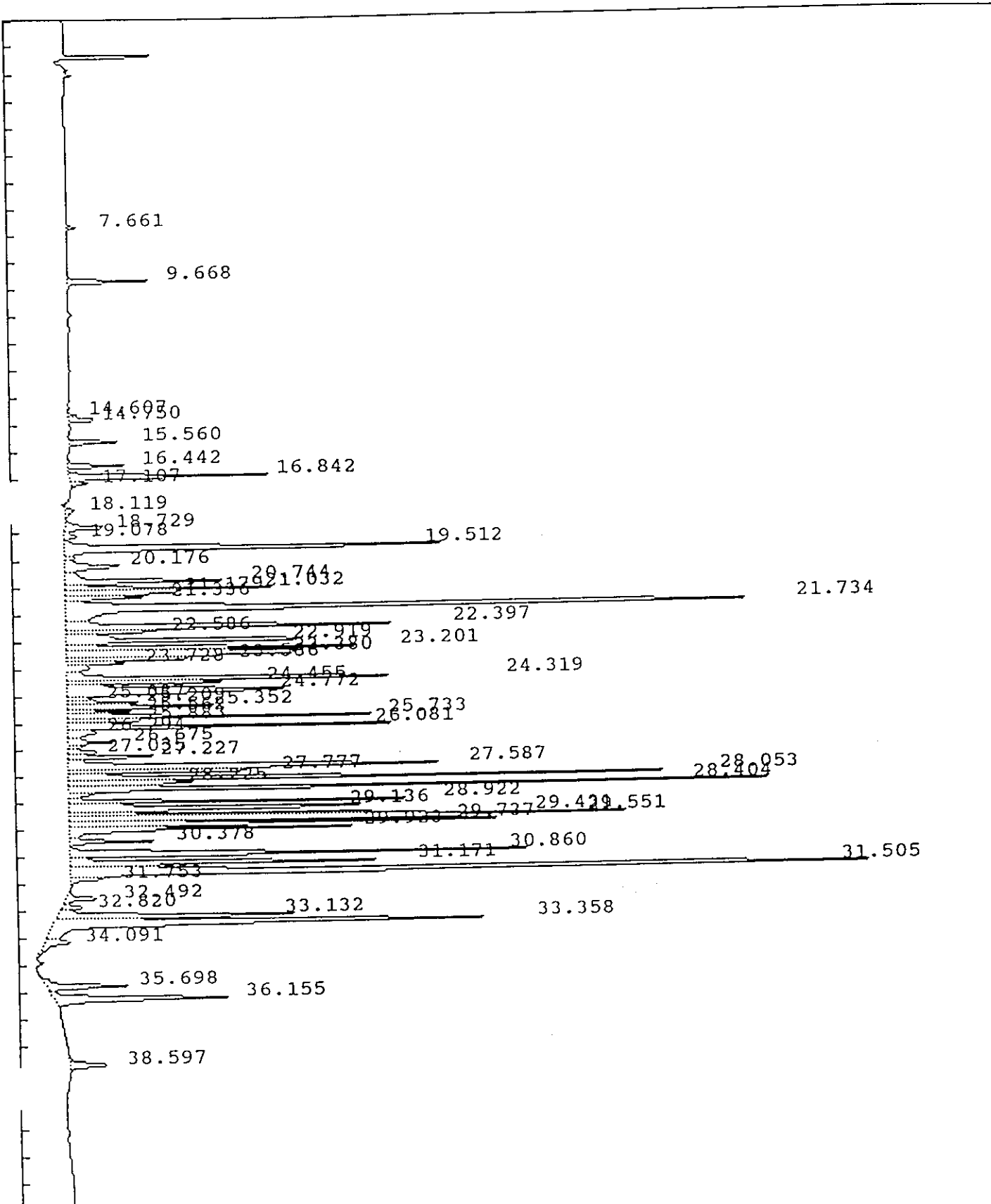
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.66		0.000000	25831	BB	0.0000	
2	9.67		0.000000	165053	BB	0.0000	
3	17.29	17.29	0.000000	866688	BB	.2000	alpha-BHC
4	20.24	20.24	0.000000	1244789	BB	.5000	beta-BHC
5	21.61		0.000000	123298	BV	0.0000	
6	22.06	22.06	0.000000	871706	VB	.2000	delta-BHC
7	23.26	23.26	0.000000	731366	BB	.1815	Aldrin
8	25.94	25.94	0.000000	3444359	FF	1.0000	gamma-Chlordane
9	26.07		0.000000	11424	FF	0.0000	
10	26.42	26.42	0.000000	3379754	FF	1.0000	alpha-Chlordane
11	26.56	26.46	0.000000	25298	FF	.0075	Endosulfan I
12	27.10	27.10	0.000000	1546812	FF	.5000	4,4'-DDE
13	27.20	27.36	0.000000	13093	FF	.0042	Dieldrin
14	28.32	28.32	0.000000	2365944	FF	1.0000	Endrin
15	28.61	28.61	0.000000	2097902	FF	1.0000	4,4'-DDD
16	28.82	28.82	0.000000	203582	FF	.0737	Endosulfan II
17	29.35	29.50	0.000000	97358	BV	.0427	4,4'-DDT
18	29.71	29.69	0.000000	110482	VV	.0532	Endrin aldehyde
19	30.23	30.23	0.000000	7935833	GS	5.0000	Endosulfan sulfate
20	30.76		0.000000	329146	BT	0.0000	
21	31.51	#31.51	0.000000	1981390	BB	.9590	Dibutyl Chlorendate
22	32.85		0.000000	100057	FF	0.0000	
23	32.97	32.97	0.000000	2791713	FF	1.0000	Endrin ketone

Total Area : 30462884 Total PPB : 12.722

Report Time : 0959 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1227.MTH  
 Result File : /HP58901B/B1227006.RES

IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng Inj on 1539 08Mar1993  
Result File : /DATA/LOOP/RESULT/B1227007.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng  
 Result File : /DATA/LOOP/RESULT/B1227007.RES  
 Column Type : RTX-35 30 Meter,0.53mm ID  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1539 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 7 Bottle no. : 7

Report No :179.00

Inj. Vol. : 1 ul

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.66		.093921	31617	BB	0.0000	
2	9.67		.114727	328260	BB	0.0000	
3	14.61		.111157	39760	BV	0.0000	
4	14.75		.108010	120611	VV	0.0000	
5	15.56		.118210	215969	BB	0.0000	
6	16.44		.119757	251605	BV	0.0000	
7	<u>16.84</u>		.122410	<u>874042</u>	PV	0.0000	
8	17.11		.118650	70517	VB	0.0000	
9	18.12		.214921	64859	BB	0.0000	
10	18.73		.152137	242621	BV	0.0000	
11	19.08		.158220	72239	VV	0.0000	
12	<u>19.51</u>		.155937	<u>2088524</u>	VV	0.0000	
13	20.18	20.31	.194831	<u>379725</u>	VV	.1577	beta-BHC
14	20.74		.135721	811180	VV	0.0000	
15	21.03		.112571	859031	VV	0.0000	
16	21.18		.102472	456402	VV	0.0000	
17	21.34		.116547	358609	VV	0.0000	
18	<u>21.73</u>	21.89	.163939	<u>4161658</u>	VV	.8557	Heptachlor
19	<u>22.40</u>		.121818	<u>1628655</u>	VV	0.0000	
20	22.59		.102200	346905	VV	0.0000	
21	22.92		.114048	1311088	VV	0.0000	
22	<u>23.20</u>		.118584	<u>1342290</u>	VV	0.0000	
23	<u>23.38</u>	23.32	.137040	1450128	VV	.3443	Aldrin
24	23.59		.090881	494389	VV	0.0000	
25	23.73		.105810	249970	VV	0.0000	
26	24.32		.103152	1523062	VV	0.0000	
27	24.45		.090393	612305	VV	0.0000	
28	24.77		.168549	1679023	VV	0.0000	
29	25.09		.100602	89457	VV	0.0000	
30	25.21		.084249	226519	VV	0.0000	
31	25.35	25.34	.129465	660367	VV	.1682	Heptachlor-epoxide
32	25.56		.092069	252598	VV	0.0000	
33	25.73		.085948	1023131	VV	0.0000	
34	25.88	25.98	.085112	248012	VV	.0682	gamma-Chlordane
35	26.08		.090719	1178246	VV	0.0000	
36	26.29	26.46	.214894	217363	VV	.0605	alpha-Chlordane
37	26.67	26.51	.111719	203426	VV	.0586	Endosulfan-I
38	27.04	27.15	.101910	143913	VV	.0433	4,4'-DDE
39	27.23	27.40	.088765	374125	VV	.1087	Dieldrin

03/11/93  
 JF

## IEA Pesticide Standard Report

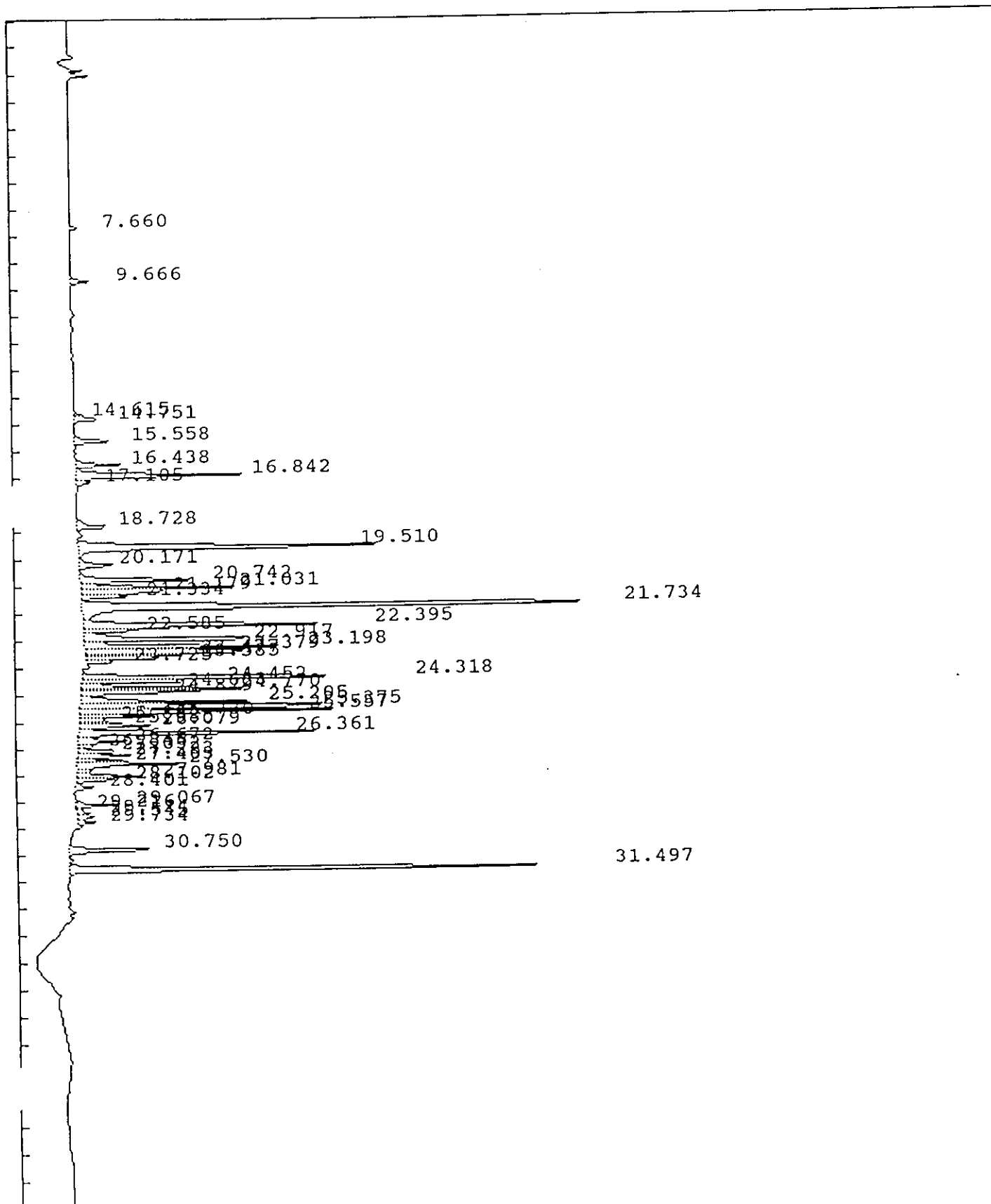
Peak#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	27.59		.146369	2118439	VV	0.0000	
41	27.78		.107392	763566	VV	0.0000	
42	<u>28.05</u>		.091120	<u>2259642</u>	VV	0.0000	
43	28.22		.079576	503278	VV	0.0000	
44	<u>28.40</u>	28.36	.083672	<u>2434940</u>	VV	.9763	Endrin
45	28.92	28.86	.076976	1073686	VV	.3690	Endosulfan II
46	29.14		.133865	1489195	VV	0.0000	
47	29.43		.095506	1511864	VV	0.0000	
48	<u>29.55</u>	29.58	.088357	<u>2267341</u>	VV	.9947	4,4'-DDT
49	29.74	29.75	.090165	1529953	VV	.6922	Endrin aldehyde
50	29.92		.109268	1180470	VV	0.0000	
51	30.38	30.29	.095975	317254	VV	.1936	Endosulfan sulfate
52	<u>30.86</u>		.121197	<u>2066692</u>	VV	0.0000	
53	31.17		.116298	1367049	VV	0.0000	
54	31.50		.117580	5448311	VV	0.0000	DB
55	31.75		.127088	157919	VB	0.0000	
56	32.49	32.39	.126045	155646	BV	.1302	Methoxychlor
57	32.82		.142101	105180	VV	0.0000	
58	33.13	33.05	.134026	1170737	VV	.3453	Endrin ketone
59	<u>33.36</u>		.167471	<u>2763608</u>	VV	0.0000	
60	34.09		.230065	210788	VV	0.0000	
61	35.70		.159911	462026	PV	0.0000	
62	36.16		.171776	1056473	VB	0.0000	
63	38.60		.189467	258427	BB	0.0000	

Total Area : 59354704 Total PPB : 5.567

Report Time : 1627 08Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /DATA/LOOP/RESULT/B1227007.RES

IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng Inj on 1634 08Mar1993  
Result File : /DATA/LOOP/RESULT/B1227008.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul





## IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng  
 Result File : /DATA/LOOP/RESULT/B1227008.RES  
 Column Type : RTX-35 30 Meter,0.53mm ID  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1634 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 8 Bottle no. : 8

Report No :180.00

Inj. Vol. : 1 ul

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.66		.100700	28766	BB	0.0000	
2	9.67		.114628	71756	BB	0.0000	
3	14.61		.094423	28185	BV	0.0000	
4	14.75		.115487	103595	VB	0.0000	
5	15.56		.126520	164135	BB	0.0000	
6	16.44		.121769	195304	BV	0.0000	
7	16.84		.132574	790700	VV	0.0000	
8	17.11		.136170	62265	VB	0.0000	
9	18.73		.142736	170087	BV	0.0000	
10	19.51		.161059	1693445	PV	0.0000	
11	20.17	20.31	.151201	183431	VV	.0762	beta-BHC
12	20.74		.118424	512078	PV	0.0000	
13	21.03		.114674	655474	VV	0.0000	
14	21.18		.101281	329168	VV	0.0000	
15	21.33		.100413	195139	VV	0.0000	
16	21.73	21.89	.158632	2979281	VV	.6126	Heptachlor
17	22.40		.121448	1191585	VV	0.0000	
18	22.59		.092358	191589	VV	0.0000	
19	22.92		.105814	869921	VV	0.0000	
20	23.20		.124498	955056	VV	0.0000	
21	23.38	23.32	.094867	700946	VV	.1664	Aldrin
22	23.48		.071735	256921	VV	0.0000	
23	23.58		.086256	288265	VV	0.0000	
24	23.73		.082292	101697	VV	0.0000	
25	24.32		.104414	1156643	BV	0.0000	
26	24.45		.083700	388764	VV	0.0000	
27	24.68		.078993	331525	VV	0.0000	
28	24.77		.083512	603477	VV	0.0000	
29	24.88		.080687	238291	VV	0.0000	
30	25.20		.095246	625901	VV	0.0000	
31	25.38	25.34	.102997	1163427	VV	.2963	Heptachlor-epoxide
32	25.56		.089154	947803	VV	0.0000	
33	25.73		.094358	272118	VV	0.0000	
34	25.88		.081307	77091	VV	0.0000	
35	25.99	25.98	.075095	124513	VV	.0343	gamma-Chlordane
36	26.08		.089158	247638	VV	0.0000	
37	26.36	26.46	.104646	1082018	VV	.3011	alpha-Chlordane
38	26.67	26.51	.107835	204920	VV	.0591	Endosulfan I
39	26.85		.097439	57089	VV	0.0000	

03/11/93  
 ZL

## IEA Pesticide Standard Report

pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	27.03	27.15	.092948	172899	VV	.0521	<del>4,4'</del> -DDE
41	27.22		.097200	239722	VV	0.0000	
42	27.40	27.40	.081328	143609	VV	.0417	Dieldrin
43	27.53		.113892	448587	VV	0.0000	
44	27.98		.094449	259909	VV	0.0000	
45	28.10		.095280	147115	VV	0.0000	
46	28.40	28.36	.090297	65399	VV	.0262	Endrin.
47	29.07		.081089	150318	VV	0.0000	
48	29.22		.082561	23337	VV	0.0000	
49	29.42		.143550	69868	VV	0.0000	
50	29.54	29.58	.093144	58943	VV	.0259	4,4'-DDT
51	29.73	29.75	.087884	60111	VV	.0272	Endrin_aldehyde
52	30.75		.109814	406120	PV	0.0000	
53	31.50		.111273	2127127	PB	0.0000	D&C

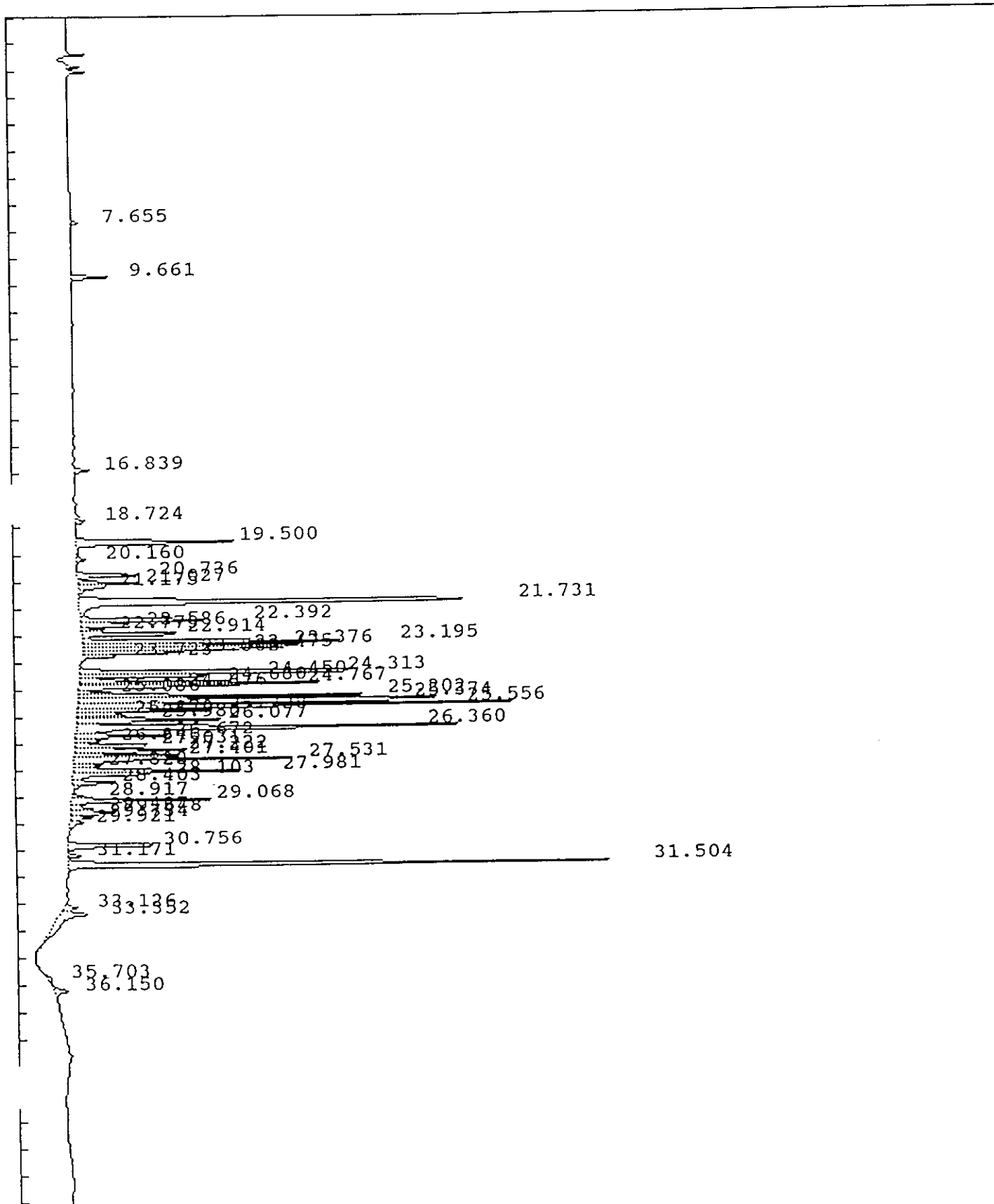
03/11/93

Total Area : 24613072 Total PPB : 1.719

Report Time : 1721 08Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /DATA/LOOP/RESULT/B1227008.RES

IEA Pesticide Standard Report

Sample Name : AR1248 1.0ng Inj on 1728 08Mar1993  
Result File : /DATA/LOOP/RESULT/B1227009.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1248 1.0ng Report No : 181.00  
 Result File : /DATA/LOOP/RESULT/B1227009.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1728 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 9 Bottle no. : 9

% Dil-Fact  
100.00

Run Status : RunStatusOK  
NoReference

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.65		.094333	26246	BB	0.0000	
2	9.66		.111340	144787	BB	0.0000	
3	16.84		.109631	58727	BB	0.0000	
4	18.72		.125708	44588	VB	0.0000	
5	19.50		.140781	773664	BB	0.0000	
6	20.16	20.31	.114223	34491	BB	.0143	beta-BHC
7	20.74		.105444	260945	BV	0.0000	
8	21.03		.104306	232506	VV	0.0000	
9	21.17		.097723	103333	VV	0.0000	
10	21.73	21.89	.152136	2264023	PV	.4655	Heptachlor
11	22.39		.098300	538779	VV	0.0000	
12	22.59		.098804	229544	VV	0.0000	
13	22.77		.085312	81697	VV	0.0000	
14	22.91		.090065	422632	VV	0.0000	
15	23.20		.106602	1150667	VV	0.0000	
16	23.38	23.32	.093942	927199	VV	.2202	Aldrin
17	23.47		.077546	455801	VV	0.0000	
18	23.58		.083651	349885	VV	0.0000	
19	23.72		.083663	119651	VV	0.0000	
20	24.31		.091500	1265670	BV	0.0000	
21	24.45		.085154	509710	VV	0.0000	
22	24.68		.071736	407096	VV	0.0000	
23	24.77		.084319	887374	VV	0.0000	
24	24.88		.077900	263854	VV	0.0000	
25	25.09		.072020	90276	VV	0.0000	
26	25.20		.081980	930385	VV	0.0000	
27	25.37	25.34	.095626	1671321	VV	.4256	Heptachlor epoxide
28	25.56		.084515	1532400	VV	0.0000	
29	25.73		.091016	482534	VV	0.0000	
30	25.88		.080185	133063	VV	0.0000	
31	25.98	25.98	.072372	179813	VV	.0495	gamma-Chlordane
32	26.08		.090001	504796	VV	0.0000	
33	26.36	26.46	.108346	1775828	VV	.4942	alpha-Chlordane
34	26.67	26.51	.096916	346295	VV	.0998	Endosulfan I
35	26.85		.097987	104400	VV	0.0000	
36	27.03	27.15	.092172	350440	VV	.1055	4,4'-DDE 03/11/93
37	27.22		.088675	452043	VV	0.0000	
38	27.40	27.40	.076491	316533	VV	.0920	Dieldrin
39	27.53		.100922	867894	VV	0.0000	

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	27.83		.104743	113354	VV	0.0000	
41	27.98		.084988	599576	VV	0.0000	
42	28.10		.098852	316203	VV	0.0000	
43	28.40	28.36	.103987	176907	VV	.0709	<del>Endrin</del>
44	28.92	28.86	.069598	36967	VV	.0127	<del>Endosulfan II</del>
45	29.07		.090359	502833	VV	0.0000	
46	29.43		.121198	111913	VV	0.0000	
47	29.55	29.58	.092932	178697	VV	.0784	<del>4,4'-DDT</del>
48	29.73	29.75	.109246	93117	VV	.0421	<del>Endrin-aldehyde</del>
49	29.92		.145966	75793	VV	0.0000	
50	30.76		.110900	453884	BV	0.0000	03/11/93
51	31.17		.102331	51712	PV	0.0000	
52	31.50		.106667	2243893	VB	0.0000	<del>Endrin-ketone</del>
53	33.13	33.05	.145174	68159	BV	.0201	
54	33.35		.289215	297074	VB	0.0000	
55	35.70		.174207	37425	BV	0.0000	
56	36.15		.207014	100904	VB	0.0000	

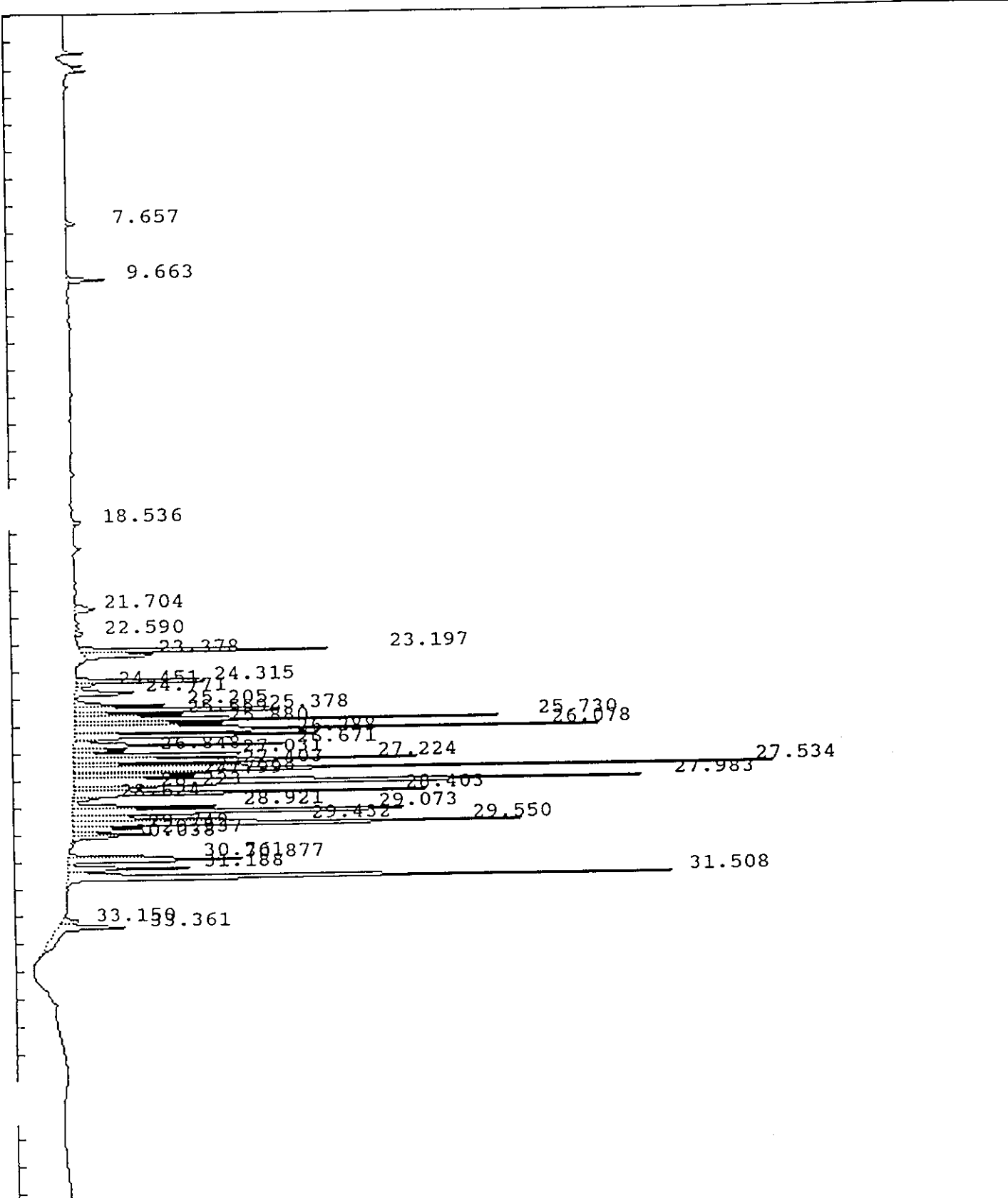
Total Area : 26749304 Total PPB : 2.191

Report Time : 1818 08Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /DATA/LOOP/RESULT/B1227009.RES

IEA Pesticide Standard Report

1047

Sample Name : AR1254 1.0ng Inj on 1822 08Mar1993  
 Result File : /DATA/LOOP/RESULT/B1227010.RES INSTRUMENT: HP58901B  
 Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : AR1254 1.0ng  
 Result File : /DATA/LOOP/RESULT/B1227010.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1822 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 10 Bottle no. : 10

Report No : 182.00

Inj. Vol. : 1 ul

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 NoReference

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.66		.096687	34505	BB	0.0000	
2	9.66		.114378	151897	BB	0.0000	
3	18.54		.116900	36085	BB	0.0000	
4	21.70	21.89	.173762	118224	BB	.0243	Heptachlor
5	22.59		.090430	34080	VV	0.0000	
6	23.20		.095059	996727	PV	0.0000	
7	23.38	23.32	.095247	335587	VV	.0797	Aldrin
8	24.32		.086669	594106	BV	0.0000	
9	24.45		.076702	61642	VV	0.0000	
10	24.77		.108199	310803	VV	0.0000	
11	25.21		.088881	313018	VV	0.0000	
12	25.38	25.34	.087275	948823	VV	.2416	Heptachlor epoxide
13	25.56		.083671	386573	VV	0.0000	
14	<u>25.73</u>		.085470	<u>1430632</u>	VV	0.0000	
15	25.88		.078508	456558	VV	0.0000	
16	<u>26.08</u>	25.98	.099358	<u>2045858</u>	VV	.5628	gamma-Chlordane
17	26.29	26.46	.100917	1043098	VV	.2903	alpha-Chlordane
18	26.67	26.51	.085975	699905	VV	.2018	Endosulfan-I
19	26.85		.082930	188917	VV	0.0000	
20	27.03	27.15	.087784	796981	VV	.2400	4,4'-DDE
21	27.22		.083793	1340803	VV	0.0000	
22	27.40	27.40	.077379	503753	VV	.1464	Dieldrin
23	<u>27.53</u>		.085553	<u>2357728</u>	VV	0.0000	
24	27.67		.076457	363766	VV	0.0000	
25	27.80		.121128	506199	VV	0.0000	
26	<u>27.98</u>		.133108	<u>2914351</u>	VV	0.0000	
27	<u>28.22</u>		.078219	<u>299760</u>	VV	0.0000	
28	28.40	28.36	.092112	1317492	VV	.5283	Endrin
29	28.62	28.66	.095684	98600	VV	.0452	4,4'-DDD
30	28.92	28.86	.078350	457644	VV	.1573	Endosulfan II
31	29.07		.140881	1802790	VV	0.0000	
32	29.43		.104258	785646	VV	0.0000	
33	<u>29.55</u>	29.58	.085705	<u>1757521</u>	VV	.7711	4,4'-DDT
34	<u>29.74</u>	29.75	.101461	<u>275592</u>	VV	.1247	Endrin aldehyde
35	29.94		.094192	290744	VV	0.0000	
36	30.04		.083644	128838	VB	0.0000	
37	30.76		.089036	357651	BV	0.0000	
38	30.88		.096721	674613	VV	0.0000	
39	31.19		.103868	462983	VV	0.0000	

03/11/93  
 Ben

IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB
40	31.51		.112978	2532314	VV	0.0000
41	33.15	33.05	.138030	91588	BV	.0270
42	33.36		.202066	503364	VB	0.0000

Name *02/11/93 Bx*  
~~Endrin ketone~~

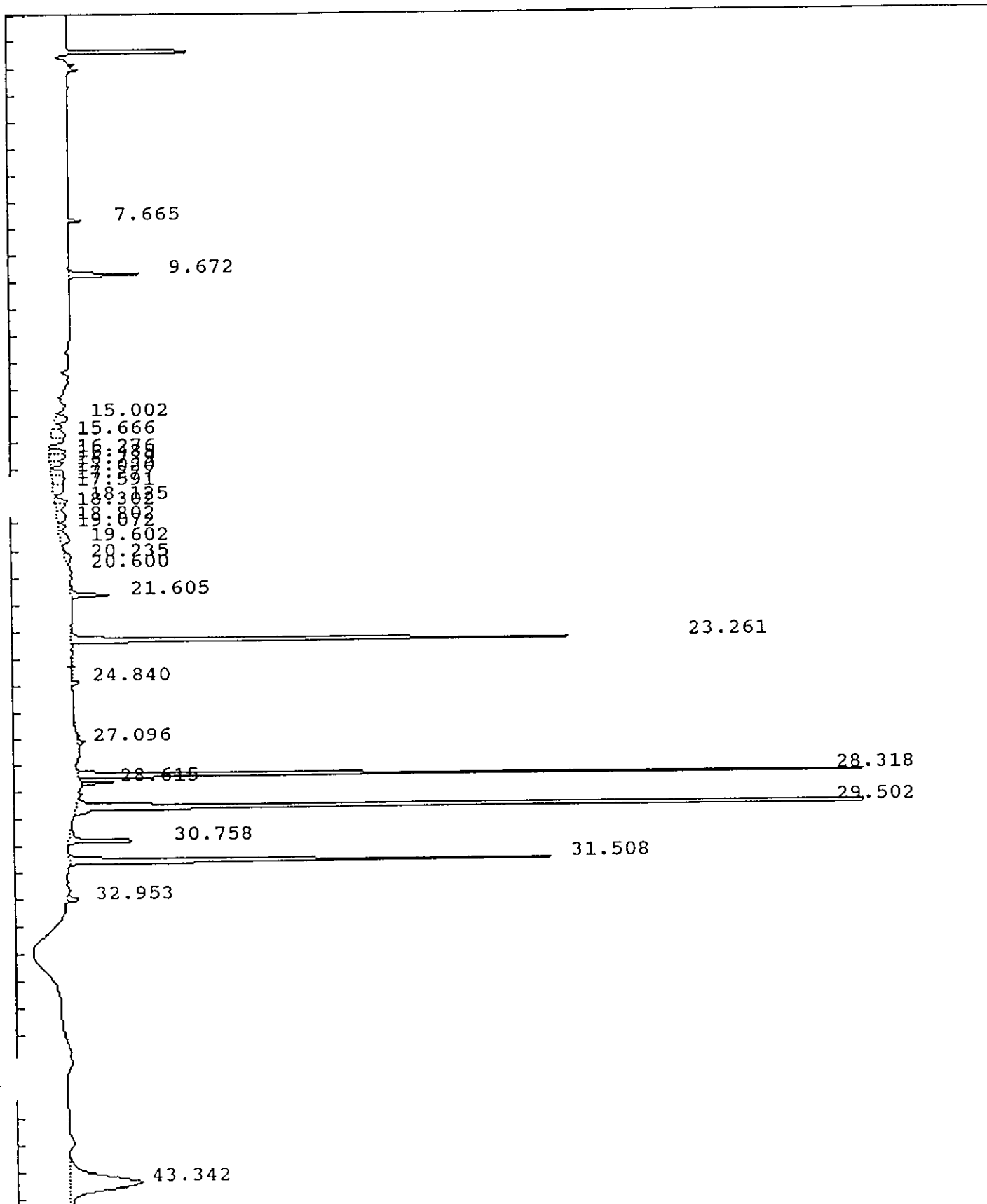
Total Area : 30807756 Total PPB : 3.440

Report Time : 1912 08Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /DATA/LOOP/RESULT/B1227010.RES



IEA Pesticide Standard Report

Sample Name : EVALB Inj on 2346 08Mar1993  
Result File : /HP58901B/B1227016.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALB Report No :188.11  
 Result File : /HP58901B/B1227016.RES  
 Column Type : RTX-35 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 2346 08Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 16 Bottle no. : 16

% Dil-Fact  
 100.00

Run Status : SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.67		.099247	45229	BB	0.0000	
2	9.67		.116753	292884	BB	0.0000	
3	15.00		.284716	106212	PV	0.0000	
4	15.67		.286071	138065	VV	0.0000	
5	16.28		.214531	119435	PV	0.0000	
6	16.49		.215456	114691	VV	0.0000	
7	16.74		.169131	74739	VV	0.0000	
8	17.02		.226658	94954	VV	0.0000	
9	17.28	17.29	.260794	109487	VV	.0253	alpha-BHC
10	17.59		.359388	127908	VV	0.0000	
11	18.13		.183535	84970	PV	0.0000	
12	18.30		.193491	59713	VV	0.0000	
13	18.80		.389631	107909	VV	0.0000	
14	19.07		.200446	52706	VV	0.0000	
15	19.60	19.71	.395010	120529	VV	.0259	gamma-BHC (Lindane)
16	20.23	20.24	.357027	69277	VV	.0278	beta-BHC
17	20.60		.095441	5369	PV	0.0000	
18	21.60		.118663	179425	BV	0.0000	
19	23.26	23.26	.091155	1950465	BS	.4841	Aldrin
20	24.84		.021933	7357	PT	0.0000	
21	27.10	27.10	.087103	26684	BB	.0086	4,4'-DDE
22	28.32	28.32	.073402	2669728	BS	1.1284	Endrin
23	28.62	28.61	.069804	109030	BV	.0520	4,4'-DDD
24	29.50	29.50	.091993	5535979	GS	2.4282	4,4'-DDT
25	30.76		.105297	324999	BB	0.0000	
26	31.51	#31.51	.106312	1920871	BB	.9297	Dibutyl Chlorendate
27	32.95	32.97	.113024	50500	BB	.0181	Endrin ketone
28	43.34		.616261	1469032	VB	0.0000	

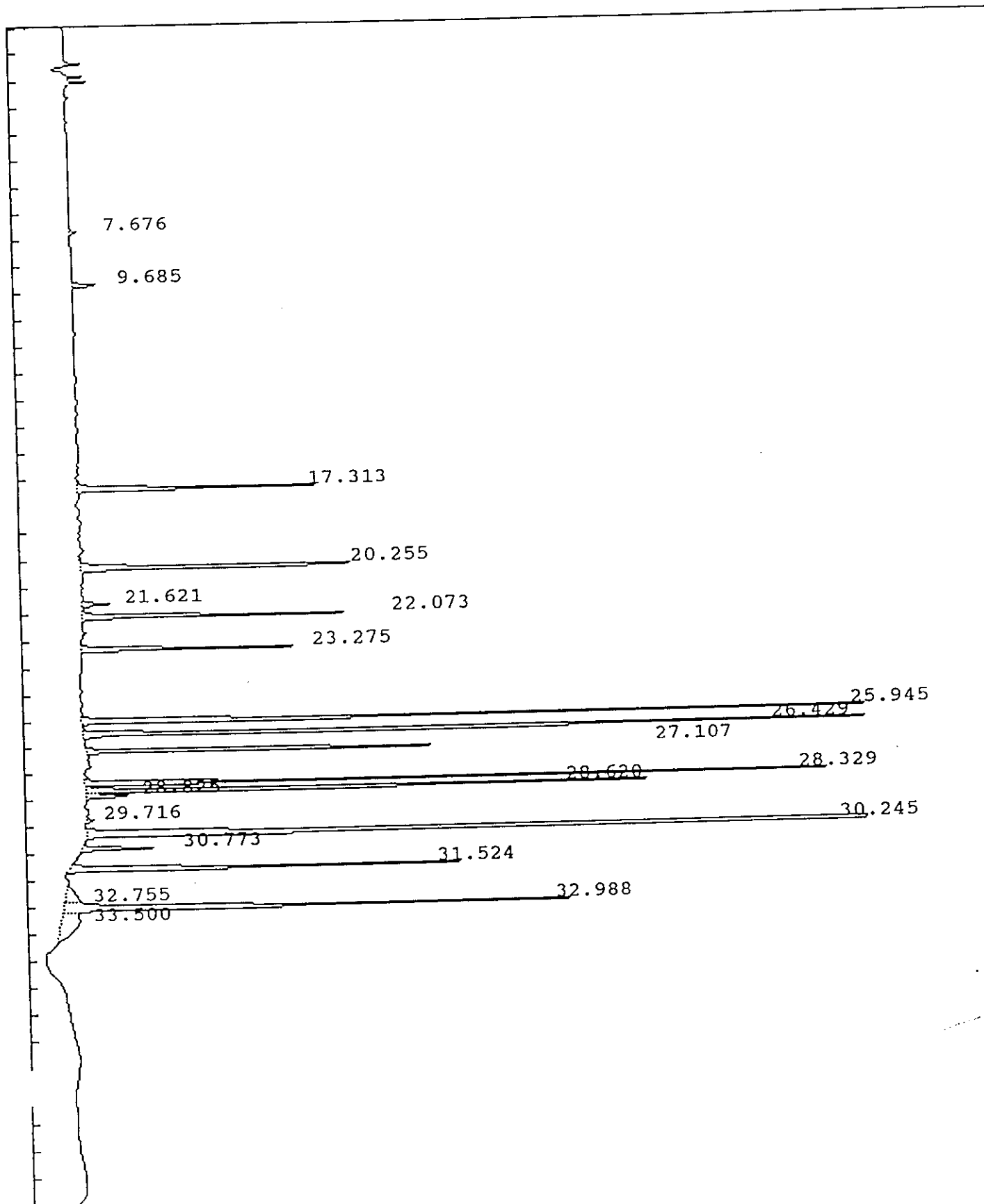
Total Area : 15968148 Total PPB : 5.128

Report Time : 1044 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1227.MTH  
 Result File : /HP58901B/B1227016.RES

IEA Pesticide Standard Report

Sample Name : INDB  
Alt File : /HP58901B/B1227023.RES  
Column Type : RTX-35 30-Meter, 0.53mm ID

Inj on 0604 09Mar1993  
INSTRUMENT: HP58901B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

ample Name : INDB Report No : 195.13  
 Result File : /HP58901B/B1227023.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0604 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 23 Bottle no. : 23

% Dil-Fact  
 100.00

Run Status : SignalOverload  
 SpecialInteg

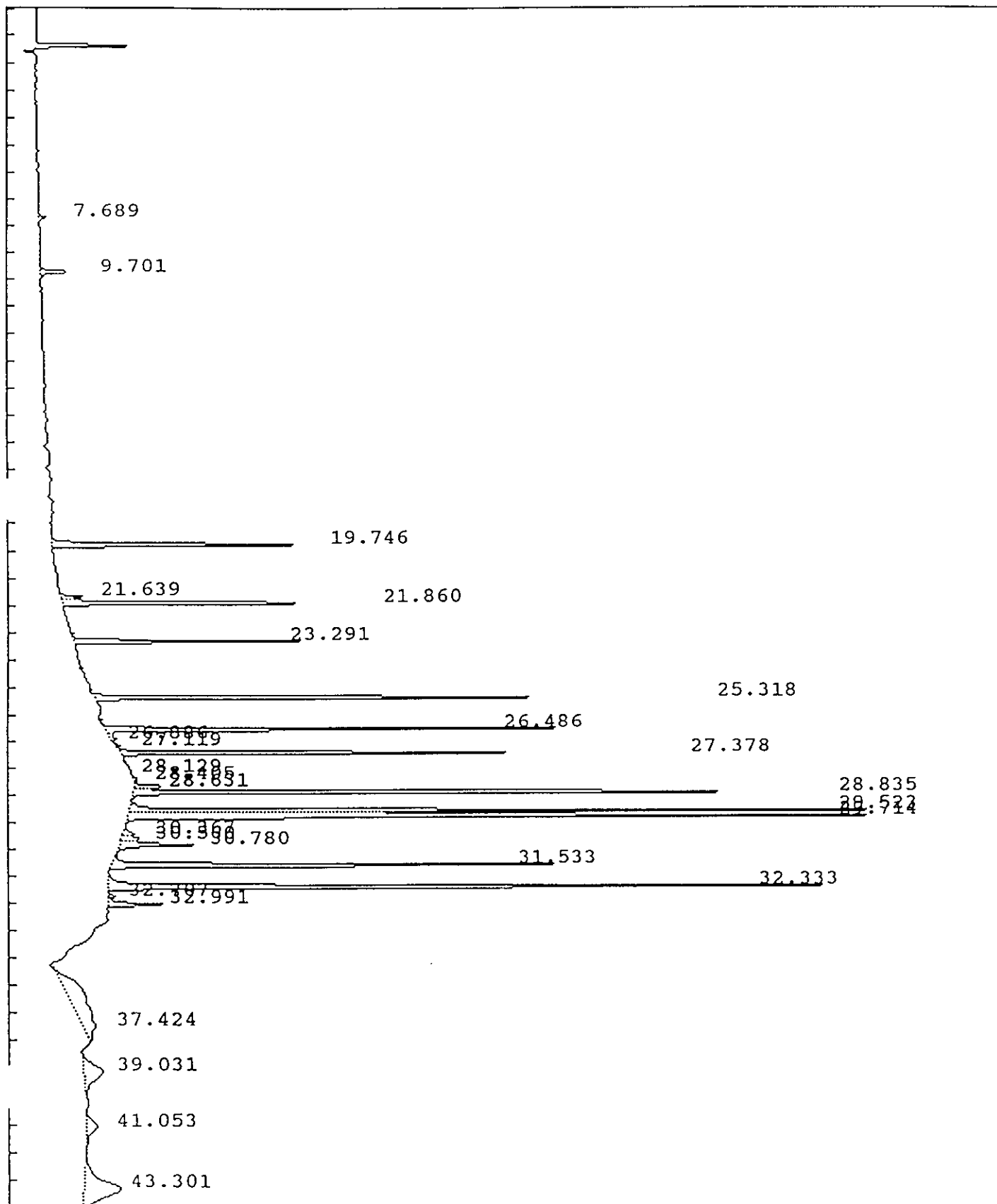
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.68		0.000000	24691	BB	0.0000	
2	9.69		0.000000	99522	BB	0.0000	
3	17.31	17.29	0.000000	939720	BB	.2169	alpha-BHC
4	20.25	20.24	0.000000	1276582	PB	.5128	beta-BHC
5	21.62		0.000000	98105	BV	0.0000	
6	22.07	22.06	0.000000	892336	VB	.2047	delta-BHC
7	23.28	23.26	0.000000	711860	BB	.1767	Aldrin
8	25.95	25.94	0.000000	3084131	BV	.8954	gamma-Chlordane
9	26.43	26.42	0.000000	2996588	PB	.8866	alpha-Chlordane
10	27.11	27.10	0.000000	1319880	BV	.4266	4,4'-DDE
11	28.33	28.32	0.000000	2195308	VV	.9279	Endrin
12	28.62	28.61	0.000000	1997107	VV	.9520	4,4'-DDD
13	28.82	28.82	0.000000	176112	VB	.0638	Endosulfan II
14	29.72	29.69	0.000000	31847	BB	.0153	Endrin aldehyde
15	30.25	30.23	0.000000	7143790	GS	4.5010	Endosulfan sulfate
16	30.77		0.000000	272759	BB	0.0000	
17	31.52	#31.51	0.000000	1462687	BB	.7079	Dibutyl Chlorendate
18	32.76		0.000000	162948	FF	0.0000	
19	32.99	32.97	0.000000	2171868	FF	.7780	Endrin ketone
20	33.50		0.000000	493044	FF	0.0000	

Total Area : 27550888 Total PPB : 11.266

Report Time : 1118 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1227.MTH  
 Result File : /HP58901B/B1227023.RES

IEA Pesticide Standard Report

Sample Name : INDA Inj on 1023 09Mar1993  
 Result File : /HP58901B/B1227027.RES INSTRUMENT: HP58901B  
 Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

ample Name : INDA  
 Result File : /HP58901B/B1227027.RES  
 Column Type : RTX-35 30 Meter,0.53mm ID  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1023 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 27 Bottle no. : 27

Report No :199.12

Inj. Vol. : 1 ul

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline  
 NoReference  
 SignalOverload

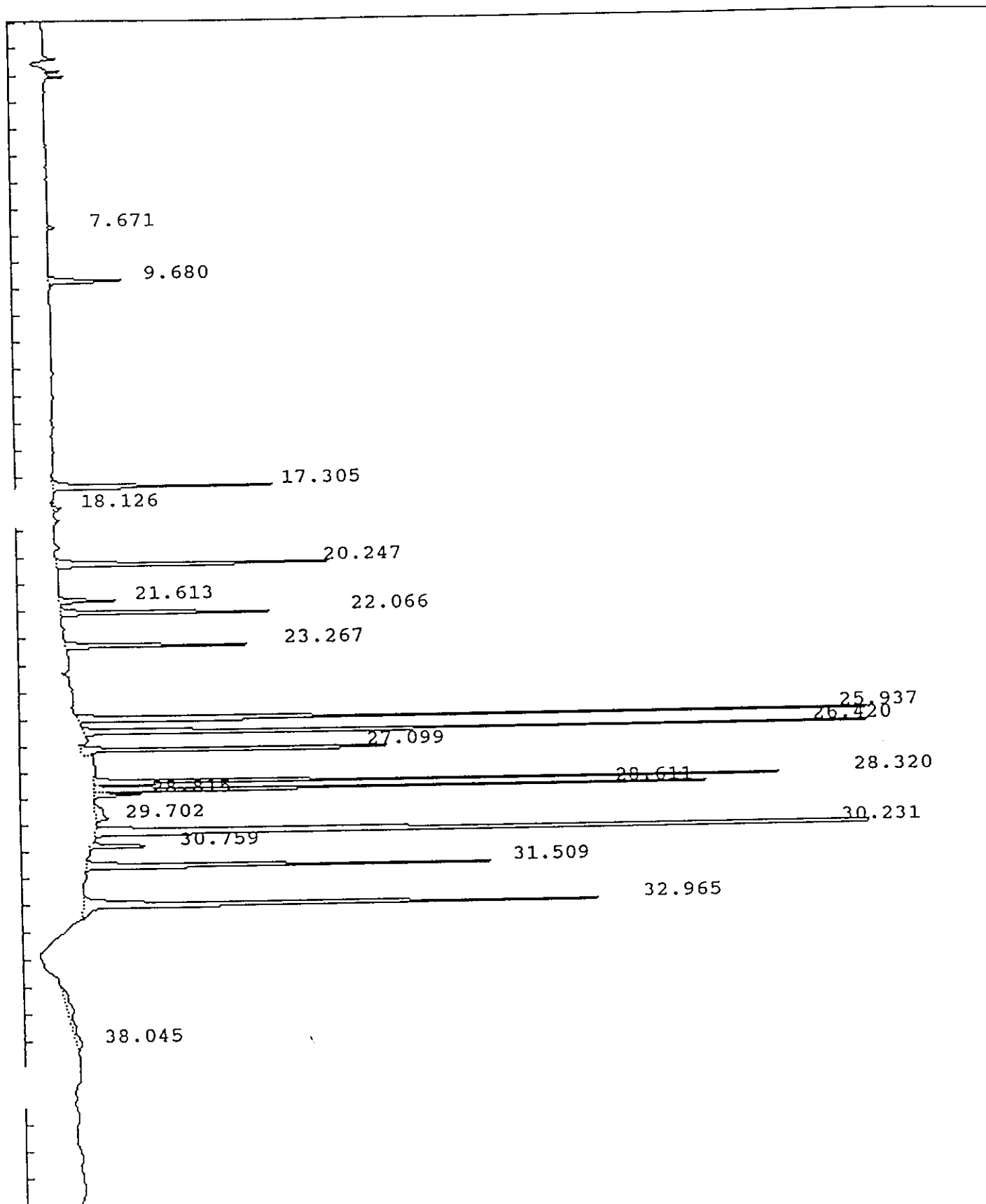
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.69		.094262	23282	BB	0.0000	
2	9.70		.112491	110932	BB	0.0000	
3	19.75	19.71	.108560	951473	BB	.2046	gamma-BHC (Lindane)
4	21.64		.093584	83118	BV	0.0000	
5	21.86	21.83	.098541	1016622	VB	.2304	Heptachlor
6	23.29	23.26	.085837	712688	BB	.1769	Aldrin
7	25.32	25.30	.075843	1559170	BV	.4197	Heptachlor epoxide
8	26.49	26.46	.074632	1390724	BV	.4119	Endosulfan I
9	26.89		.205126	48528	VV	0.0000	
10	27.12	27.10	.075732	18469	PV	.0060	4,4'-DDE
11	27.38	27.36	.071161	1344213	VV	.4268	Dieldrin
12	28.13		.174311	12284	BV	0.0000	
13	28.41	28.32	.162000	17111	PB	.0072	Endrin
14	28.63	28.61	.069788	98933	BV	.0472	4,4'-DDD
15	28.83	28.82	.073004	2319484	VV	.8402	Endosulfan II
16	29.52	29.50	.076841	4181315	GV	1.8340	4,4'-DDT
17	29.71	29.69	.081262	3752649	VB	1.8068	Endrin aldehyde
18	30.37	30.23	.131404	53589	BV	.0338	Endosulfan sulfate
19	30.56		.179155	100768	VV	0.0000	
20	30.78		.118169	307941	VB	0.0000	
21	31.53		.101876	1668730	BB	0.0000	
22	32.33	32.31	.108688	2842678	BB	2.5553	Methoxychlor
23	32.71		.111223	31471	BV	0.0000	
24	32.99	32.97	.118600	228879	VB	.0820	Endrin ketone
25	37.42		2.496568	1006885	BB	0.0000	
26	39.03		.664587	389787	BV	0.0000	
27	41.05		.521302	180045	VB	0.0000	
28	43.30		.808095	938672	BV	0.0000	
29	45.12		.534881	180987	VV	0.0000	

Total Area : 25571432 Total PPB : 9.083

Report Time : 1136 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1227.MTH  
 Result File : /HP58901B/B1227027.RES

## IEA Pesticide Standard Report

Sample Name : INDB Inj on 1117 09Mar1993  
Result File : /HP58901B/B1227028.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : INDB Report No : 200.12  
 Result File : /HP58901B/B1227028.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1117 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 28 Bottle no. : 28

% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.67		.100223	28302	BB	0.0000	
2	9.68		.123415	321138	BB	0.0000	
3	17.31	17.29	.108541	839930	BB	.1938	alpha-BHC
4	18.13		.115784	35689	BB	0.0000	
5	20.25	20.24	.112120	1161329	PB	.4665	beta-BHC
6	21.61		.105486	217519	BV	0.0000	
7	22.07	22.06	.086586	789263	VB	.1811	delta-BHC
8	23.27	23.26	.088941	639123	BB	.1586	Aldrin
9	25.94	25.94	.080259	2879231	BB	.8359	gamma-Chlordane
10	26.42	26.42	.079496	2759853	BB	.8166	alpha-Chlordane
11	27.10	27.10	.072292	1288194	PB	.4164	4,4'-DDE
12	28.32	28.32	.072744	2069084	PV	.8745	Endrin
13	28.61	28.61	.069914	1879574	VV	.8959	4,4'-DDD
14	28.82	28.82	.086252	170213	VB	.0617	Endosulfan II
15	29.70	29.69	.355260	156051	BB	.0751	Endrin aldehyde
16	30.23	30.23	.120961	7051377	GS	4.4427	Endosulfan sulfate
17	30.76		.092987	235357	BB	0.0000	
18	31.51	#31.51	.105336	1539691	BB	.7452	Dibutyl Chlorendate
19	32.97	32.97	.124491	2350768	BB	.8421	Endrin ketone
20	38.04		1.748017	333478	BB	0.0000	

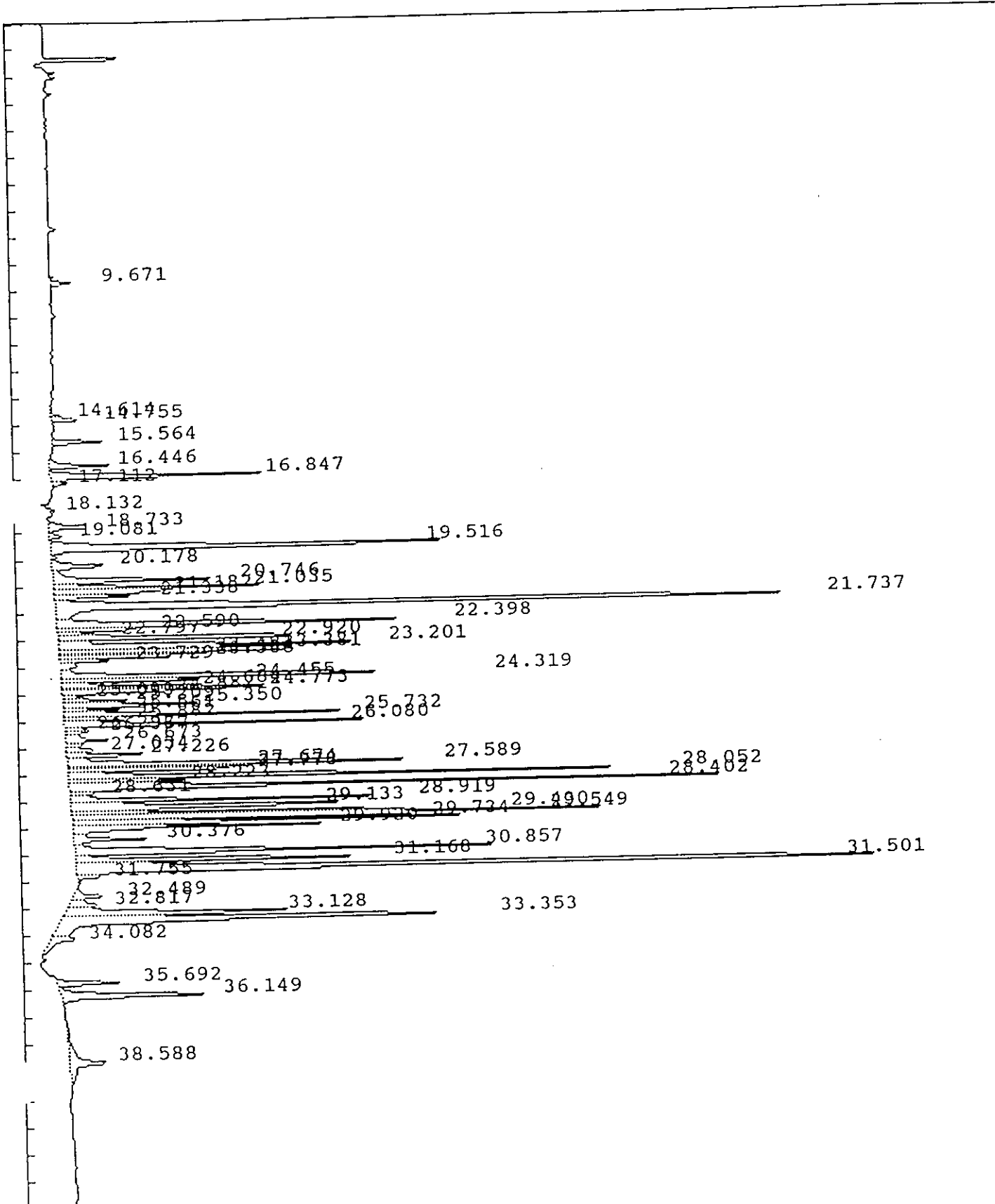
Total Area : 26745164 Total PPB : 11.006

Report Time : 1143 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1227.MTH  
 Result File : /HP58901B/B1227028.RES



IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng Inj on 1211 09Mar1993  
Result File : /DATA/LOOP/RESULT/B1227029.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng  
 Result File : /DATA/LOOP/RESULT/B1227029.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1211 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 29 Bottle no. : 29

Report No : 201.00

Inj. Vol. : 1 ul

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline  
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.67		.114259	84364	BB	0.0000	
2	14.61		.122082	46971	BV	0.0000	
3	14.75		.106764	110237	VV	0.0000	
4	15.56		.115854	208061	BV	0.0000	
5	16.45		.124405	262831	BV	0.0000	
6	16.85		.125198	926609	PV	0.0000	
7	17.11		.114638	65360	VB	0.0000	
8	18.13		.103195	15184	BB	0.0000	
9	18.73		.148095	224045	BV	0.0000	
10	19.08		.135978	53708	VV	0.0000	
11	19.52		.155001	2122594	VV	0.0000	
12	20.18	20.31	.172087	312667	VV	.1298	<del>beta-BHC</del>
13	20.75		.131949	757478	VV	0.0000	
14	21.03		.113302	847819	VV	0.0000	
15	21.18		.101080	435703	VV	0.0000	
16	21.34		.108233	311109	VV	0.0000	
17	21.74	21.89	.157419	4063808	VV	.8356	<del>Heptachlor</del>
18	22.40		.120273	1608938	VV	0.0000	
19	22.59		.097832	286856	VV	0.0000	
20	22.80		.090332	151039	VV	0.0000	
21	22.92		.094093	1059289	VV	0.0000	
22	23.20		.121913	1352754	VV	0.0000	
23	23.38	23.32	.094300	969016	VV	.2301	Aldrin
24	23.48		.072683	377178	VV	0.0000	
25	23.59		.087026	431525	VV	0.0000	
26	23.73		.099138	193745	VV	0.0000	
27	24.32		.102591	1441223	VV	0.0000	
28	24.46		.083512	499212	VV	0.0000	
29	24.68		.078781	412079	VV	0.0000	
30	24.77		.081913	745693	VV	0.0000	
31	24.88		.082579	317950	VV	0.0000	
32	25.09		.095232	69243	VV	0.0000	
33	25.21		.085551	204158	VV	0.0000	
34	25.35	25.34	.128756	571100	VV	.1454	<del>Heptachlor-epoxide</del>
35	25.56		.089696	210709	VV	0.0000	
36	25.73		.086271	914717	VV	0.0000	
37	25.88	25.98	.081136	191921	VV	.0528	<del>gamma-Chlordane</del>
38	26.08		.088921	1034849	VV	0.0000	

03/11/93  
Jen

IEA Pesticide Standard Report

1060

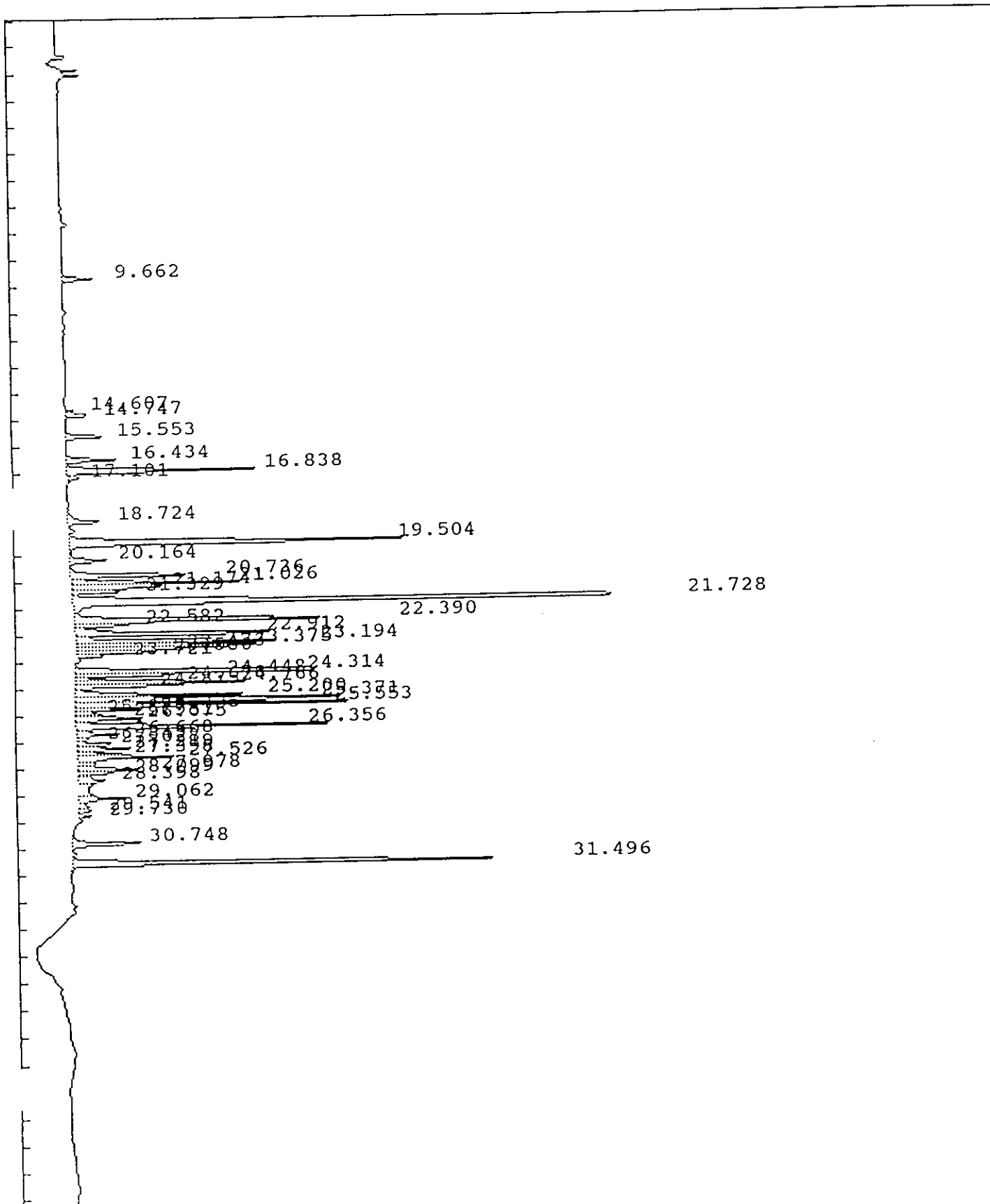
pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
39	26.29		.086671	68152	VV	0.0000	
40	26.36	26.46	.103769	79263	VV	.0221	<del>alpha-Chlordane</del>
41	26.67	26.51	.147388	227717	VV	.0656	<del>Endosulfan I</del>
42	27.03	27.15	.099520	116293	VV	.0350	<del>4,4'-DDE</del>
43	27.23	27.40	.093291	330732	VV	.0961	<del>Dieldrin</del>
44	27.59		.121680	1557433	VV	0.0000	
45	27.67		.061613	371380	VV	0.0000	
46	27.78		.104996	637874	VV	0.0000	
47	<u>28.05</u>		.092388	2049171	VV	0.0000	
48	<u>28.22</u>		.078954	427689	VV	0.0000	
49	<u>28.40</u>	28.36	.084155	2187017	VV	.8769	<del>Endrin</del>
50	<u>28.63</u>	28.66	.109141	102793	VV	.0471	<del>4,4'-DDD</del>
51	28.92	28.86	.084572	1031741	VV	.3546	<del>Endosulfan II</del>
52	29.13		.134741	1325798	VV	0.0000	
53	29.43		.099555	1424334	VV	0.0000	
54	<u>29.55</u>	29.58	.086388	1988586	VV	.8724	<del>4,4'-DDT</del>
55	<u>29.73</u>	29.75	.089288	1314522	VV	.5947	<del>Endrin aldehyde</del>
56	29.92		.105889	980629	VV	0.0000	
57	30.38	30.29	.118686	335746	VV	.2049	<del>Endosulfan sulfate</del>
58	<u>30.86</u>		.123208	1845280	VV	0.0000	
59	31.17		.118347	1230324	VV	0.0000	
60	31.50		.116113	5003983	VV	0.0000	ABC
61	31.75		.130104	118276	VB	0.0000	
62	32.49	32.39	.144135	155628	BV	.1301	<del>Methoxychlor</del>
63	32.82		.192156	180580	VV	0.0000	
64	33.13	33.05	.151562	1174945	VV	.3465	<del>Endrin ketone</del>
65	<u>33.35</u>		.171959	2475030	VV	0.0000	
66	<u>34.08</u>		.242688	197595	VV	0.0000	03/11/93
67	35.69		.133105	285489	BV	0.0000	
68	36.15		.162946	817736	VV	0.0000	
69	38.59		.373534	459805	BB	0.0000	

Total Area : 54393288 Total PPB : 5.040

Report Time : 1300 09Mar1993  
 Method : /DATA/LOOP/METHOD/B1227.MTH  
 Result File : /DATA/LOOP/RESULT/B1227029.RES

IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng Inj on 1305 09Mar1993  
Result File : /DATA/LOOP/RESULT/B1227030.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng Report No : 202.00  
 Result File : /DATA/LOOP/RESULT/B1227030.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1305 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 30 Bottle no. : 30

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 NoReference

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.66		.116690	122821	BB	0.0000	
2	14.61		.095210	27821	BV	0.0000	
3	14.75		.113976	100773	VB	0.0000	
4	15.55		.120333	169264	BB	0.0000	
5	16.43		.116351	202300	BV	0.0000	
6	<u>16.84</u>		.125226	826894	VV	0.0000	
7	17.10		.117863	51250	VB	0.0000	
8	18.72		.134114	165873	BV	0.0000	
9	<u>19.50</u>		.154871	1769860	PV	0.0000	
10	20.16	20.31	.143085	184978	VV	.0768	<u>beta-BHC</u>
11	20.74		.116574	541465	PV	0.0000	
12	21.03		.111791	674704	VV	0.0000	
13	21.17		.100221	348719	VV	0.0000	
14	21.33		.098517	206070	VV	0.0000	
15	<u>21.73</u>	21.89	.152695	3195334	VV	.6570	Heptachlor
16	<u>22.39</u>		.115808	1245891	VV	0.0000	
17	22.58		.088476	179600	VV	0.0000	
18	22.91		.100502	902566	VV	0.0000	
19	<u>23.19</u>		.117028	949873	VV	0.0000	
20	<u>23.37</u>	23.32	.096085	742968	VV	.1764	<u>Aldrin</u>
21	23.47		.070264	255565	VV	0.0000	
22	23.58		.084979	290362	VV	0.0000	
23	23.72		.081629	99209	VV	0.0000	
24	24.31		.100550	1156734	BV	0.0000	
25	24.45		.080540	365809	VV	0.0000	
26	24.68		.075220	299864	VV	0.0000	
27	24.77		.082578	597722	VV	0.0000	
28	24.88		.076422	212005	VV	0.0000	
29	25.20		.091388	605590	VV	0.0000	
30	25.37	25.34	.097654	1126327	VV	.2868	<del>Heptachlor epoxide</del>
31	25.55		.083479	905830	VV	0.0000	
32	25.73		.088652	226432	VV	0.0000	
33	25.88		.078503	60000	VV	0.0000	
34	25.98	25.98	.074323	107935	VV	.0297	gamma-Chlordane
35	26.07		.088015	226930	VV	0.0000	
36	26.36	26.46	.098958	1025461	VV	.2854	<u>alpha-Chlordane</u>
37	26.67	26.51	.103951	174705	VV	.0504	Endosulfan I
38	26.84		.102327	52657	VV	0.0000	
39	27.03	27.15	.094674	158957	VV	.0479	<del>4,4'-DDE</del>

03/11/93  
Ba

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	27.22		.097954	223406	VV	0.0000	
41	27.40	27.40	.084747	142752	VV	.0415	Dieldrin
42	27.53		.120339	447527	VV	0.0000	
43	27.98		.093858	247393	VV	0.0000	
44	28.10		.092947	136807	VV	0.0000	
45	28.40	28.36	.161186	158147	VV	.0634	<u>Endrin</u>
46	29.06		.113708	215551	VV	0.0000	
47	29.54	29.58	.085797	39476	VV	.0173	4,4'-DDT
48	29.73	29.75	.080721	40200	VV	.0182	<del>Endrin-aldehyde</del>
49	30.75		.113086	335794	BV	0.0000	
50	31.50		.106854	1832053	PB	0.0000	

DLC

03/11/93

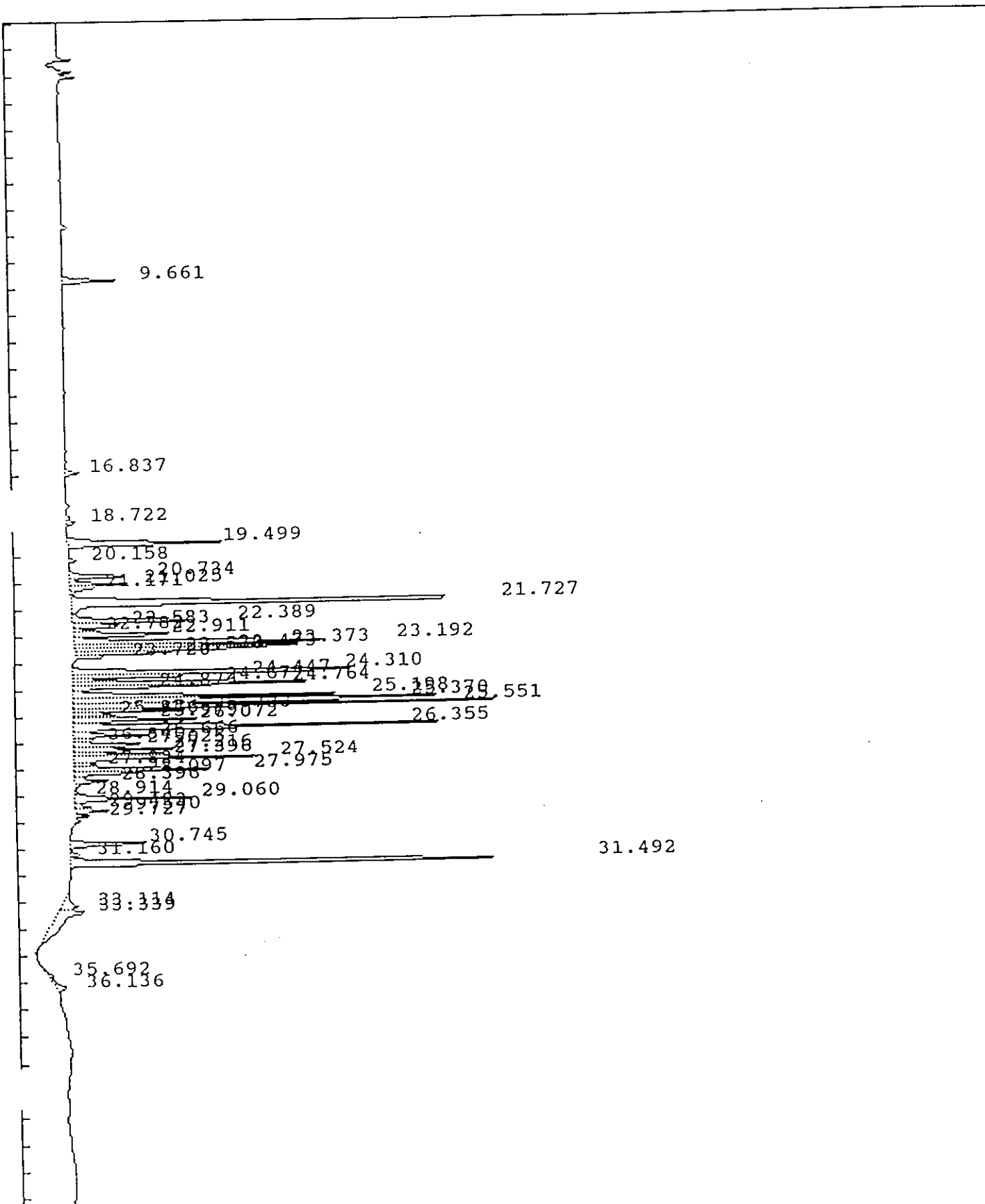
JH

Total Area : 24376228 Total PPB : 1.751

Report Time : 1354 09Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /DATA/LOOP/RESULT/B1227030.RES

IEA Pesticide Standard Report

Sample Name : AR1248 1.0ng Inj on 1359 09Mar1993  
Result File : /DATA/LOOP/RESULT/B1227031.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1248 1.0ng  
 Result File : /DATA/LOOP/RESULT/B1227031.RES  
 Column Type : RTX-35 30 Meter,0.53mm ID  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1359 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 31 Bottle no. : 31

Report No :203.00

Inj. Vol. : 1 ul

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.66		.124765	236524	BB	0.0000	
2	16.84		.116289	57748	BB	0.0000	
3	18.72		.125056	40228	VB	0.0000	
4	<u>19.50</u>		.149180	<u>801281</u>	BB	0.0000	
5	20.16	20.31	.113987	30865	BB	.0128	<u>beta-BHC</u>
6	20.73		.112238	263277	BV	0.0000	
7	21.02		.110922	233705	VV	0.0000	
8	21.17		.096309	92368	VV	0.0000	
9	<u>21.73</u>	21.89	.159266	<u>2322296</u>	PV	.4775	<u>Heptachlor</u>
10	22.39		.106099	560756	VV	0.0000	
11	22.58		.100026	212609	VV	0.0000	
12	22.78		.090769	90255	VV	0.0000	
13	22.91		.089128	399061	VV	0.0000	
14	23.19		.116280	1221923	VV	0.0000	
15	23.37	23.32	.093761	902659	VV	.2143	<u>Aldrin</u>
16	23.47		.077553	438556	VV	0.0000	
17	23.58		.083476	324189	VV	0.0000	
18	23.72		.082592	105542	VV	0.0000	
19	<u>24.31</u>		.098851	<u>1283061</u>	BV	0.0000	
20	<u>24.45</u>		.081775	444868	VV	0.0000	
21	24.68		.077159	441999	VV	0.0000	
22	24.76		.083185	807188	VV	0.0000	
23	24.87		.076302	224155	VV	0.0000	
24	25.20		.094126	988559	VV	0.0000	
25	25.37	25.34	.099224	1612930	VV	.4107	<u>Heptachlor epoxide</u>
26	<u>25.55</u>		.087449	<u>1464035</u>	VV	0.0000	
27	25.72		.090365	410283	VV	0.0000	
28	25.88		.078888	108969	VV	0.0000	
29	25.98	25.98	.071605	160761	VV	.0442	<u>gamma-Chlordane</u>
30	26.07		.086862	414671	VV	0.0000	
31	<u>26.35</u>	26.46	.109145	<u>1607175</u>	VV	.4472	<u>alpha-Chlordane</u>
32	26.67	26.51	.102646	299464	VV	.0863	<u>Endosulfan-I</u>
33	26.84		.089466	72961	VV	0.0000	
34	27.03	27.15	.093157	292921	VV	.0882	<u>4,4'-DDE</u>
35	27.22		.094702	397815	VV	0.0000	
36	27.40	27.40	.080970	282693	VV	.0822	<u>Dieldrin</u>
37	27.52		.100474	724996	VV	0.0000	
38	27.82		.102436	85025	VV	0.0000	
39	27.97		.089946	540983	VV	0.0000	

03/11/93  
JH



IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	28.10		.095129	242697	VV	0.0000	
41	28.40	28.36	.110239	145792	VV	.0585	<del>Endrin</del>
42	28.91	28.86	.060554	22585	PV	.0078	<del>Endosulfan-II</del>
43	29.06		.091948	424165	VV	0.0000	
44	29.42		.116462	71095	VV	0.0000	
45	29.54	29.58	.083636	109788	VV	.0482	<del>4,4'-DDT</del>
46	29.73	29.75	.081813	41480	VV	.0188	<del>Endrin-aldehyde</del>
47	30.75		.112418	362530	BV	0.0000	
48	31.16		.114985	45344	VV	0.0000	
49	31.49		.109356	1978299	VB	0.0000	
50	33.11	33.05	.256133	140576	BV	.0415	<del>Endrin-ketone</del>
51	33.34		.450608	433506	VV	0.0000	
52	35.69		.196707	38676	BV	0.0000	
53	36.14		.241693	93868	VB	0.0000	

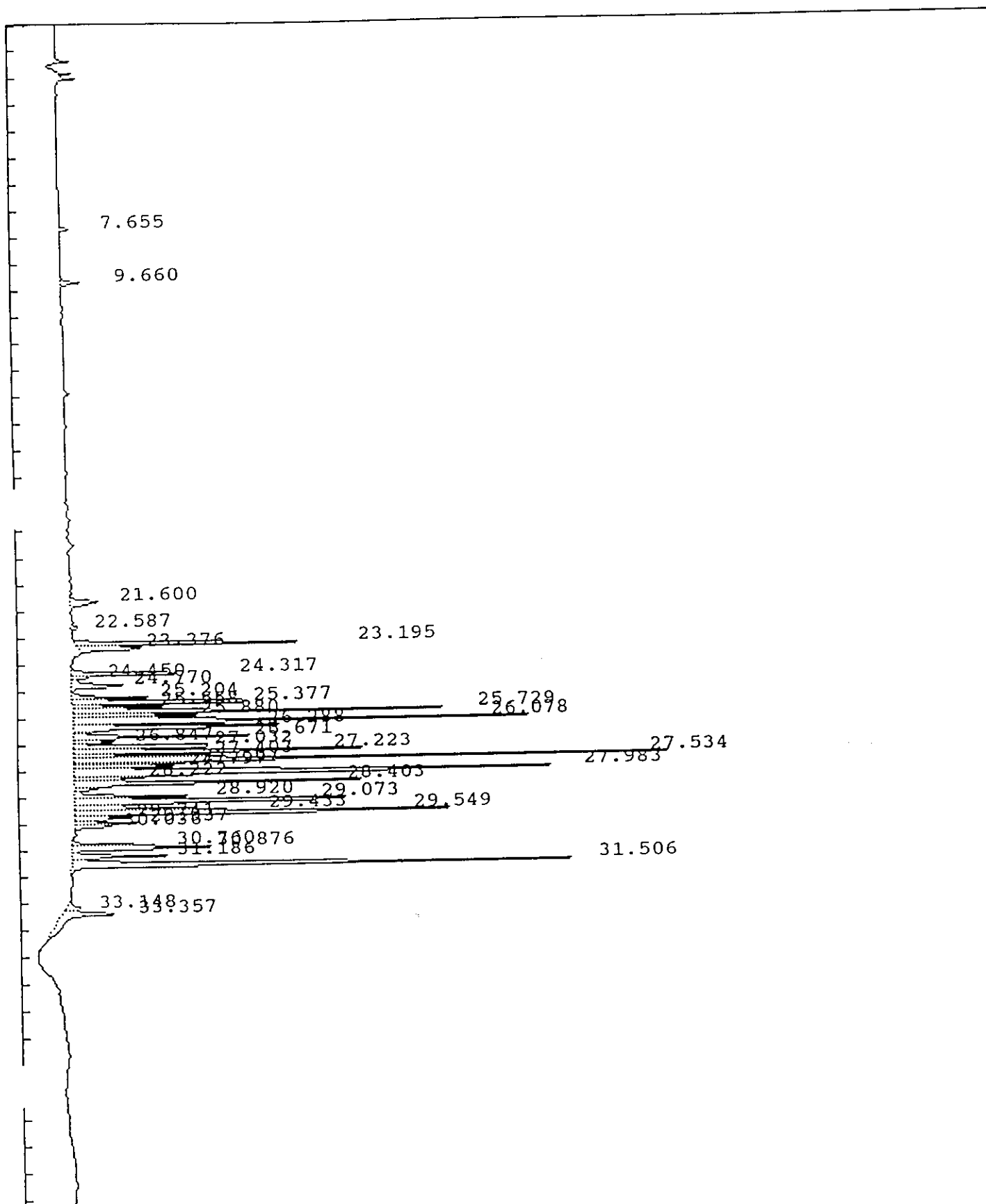
Ox 11/93  
Ba

Total Area : 25149752 Total PPB : 2.038

Report Time : 1451 09Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /DATA/LOOP/RESULT/B1227031.RES

IEA Pesticide Standard Report

Sample Name : AR1254 1.0ng Inj on 1510 09Mar1993  
Result File : /DATA/LOOP/RESULT/B1227032.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1254 1.0ng Report No : 204.00  
 Result File : /DATA/LOOP/RESULT/B1227032.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1510 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 32 Bottle no. : 32

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.65		.099853	33694	BB	0.0000	
2	9.66		.114972	78672	BB	0.0000	
3	21.60		.164807	173215	BB	0.0000	
4	22.59		.084064	25950	BV	0.0000	
5	23.20		.096036	930375	PV	0.0000	
6	23.38	23.32	.095385	301524	VV	.0716	Aldrin
7	24.32		.087504	480103	BV	0.0000	
8	24.45		.077458	52997	VV	0.0000	
9	24.77		.109687	270194	VV	0.0000	
10	25.20		.087400	262259	VV	0.0000	
11	25.38	25.34	.088141	838022	VV	.2134	Heptachlor epoxide
12	25.56		.083221	325449	VV	0.0000	
13	<u>25.73</u>		.085619	<u>1273478</u>	VV	0.0000	
14	25.88		.078848	391315	VV	0.0000	
15	<u>26.08</u>	25.98	.099084	<u>1784869</u>	VV	.4910	gamma-Chlordane
16	<u>26.29</u>	26.46	.101772	<u>898897</u>	VV	.2501	alpha-Chlordane
17	26.67	26.51	.086236	595420	VV	.1717	Endosulfan I
18	26.85		.083246	153238	VV	0.0000	
19	27.03	27.15	.084410	636419	VV	.1916	4,4'-DDE
20	27.22		.085368	1149918	VV	0.0000	
21	27.40	27.40	.078487	418448	VV	.1216	Dieldrin
22	<u>27.53</u>		.086497	<u>2036195</u>	VV	0.0000	
23	<u>27.67</u>		.076447	<u>311431</u>	VV	0.0000	
24	27.80		.119622	417680	VV	0.0000	
25	<u>27.98</u>		.134273	<u>2489329</u>	VV	0.0000	
26	<u>28.22</u>		.079768	<u>253311</u>	VV	0.0000	
27	28.40	28.36	.094034	1102702	VV	.4422	Endrin
28	28.92	28.86	.083962	394706	VV	.1356	Endosulfan II
29	29.07		.142484	1509488	VV	0.0000	
30	29.43		.105234	649117	VV	0.0000	
31	<u>29.55</u>	29.58	.085806	<u>1473693</u>	VV	.6465	4,4'-DDT
32	<u>29.74</u>	29.75	.102664	236642	VV	.1071	Endrin aldehyde
33	29.94		.096571	237503	VV	0.0000	
34	30.04		.088135	109655	VB	0.0000	
35	30.76		.089245	287222	BV	0.0000	
36	30.88		.097136	539959	VV	0.0000	
37	31.19		.105745	372191	VV	0.0000	
38	31.51		.111624	2108037	VV	0.0000	
39	33.15	33.05	.144718	75881	BV	.0224	Endrin ketone

IEA Pesticide Standard Report

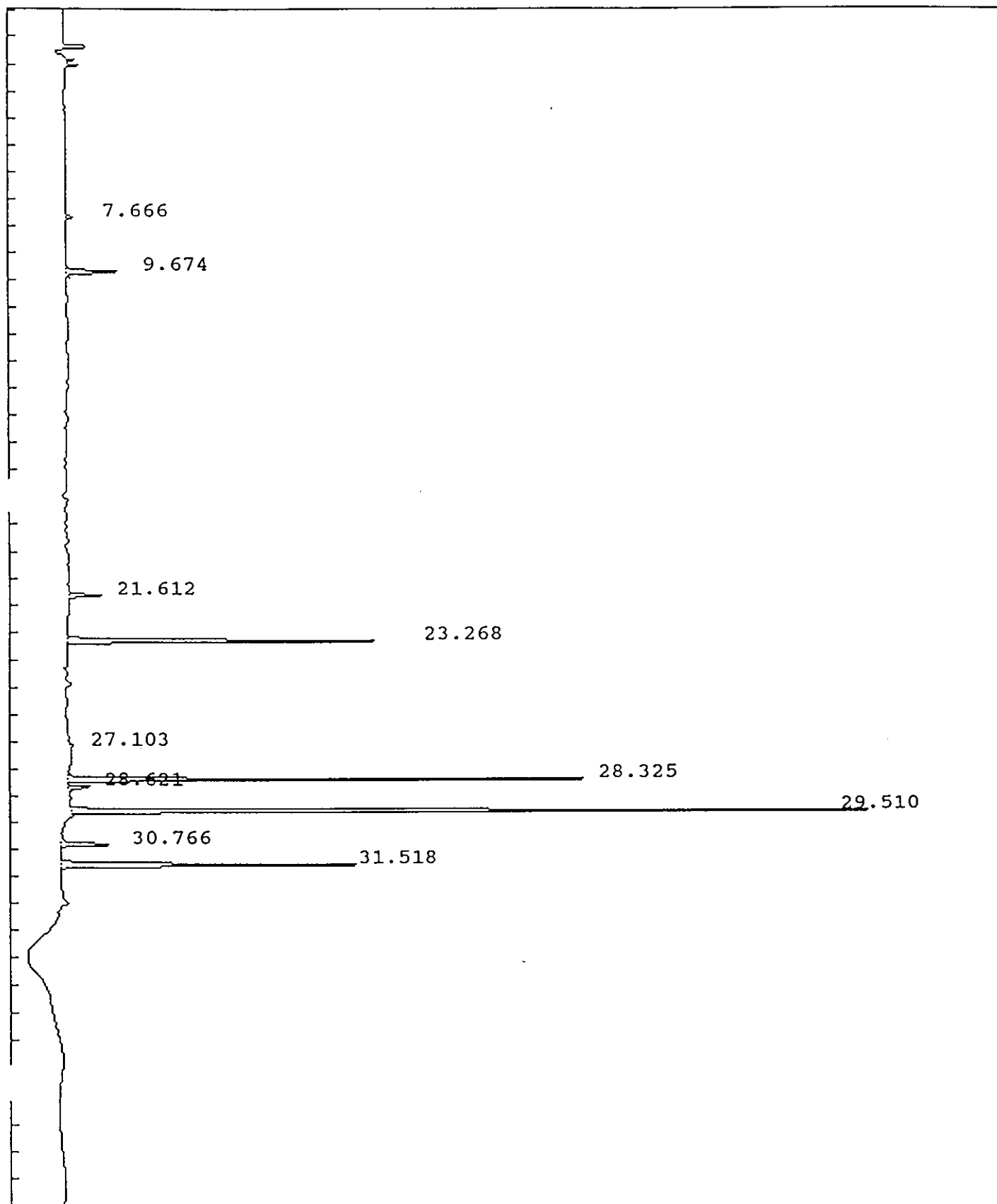
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	33.36		.223400	439919	VB	0.0000	

Total Area : 26119124 Total PPB : 2.865

Report Time : 1559 09Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /DATA/LOOP/RESULT/B1227032.RES

## IEA Pesticide Standard Report

Sample Name : EVALA Inj on 1923 09Mar1993  
Result File : /DATA/LOOP/RESULT/B1228002.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALA Report No : 207.02  
 Result File : /DATA/LOOP/RESULT/B1228002.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1923 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 2 Bottle no. : 2

% Dil-Fact  
 100.00

Run Status : RunStatusOK

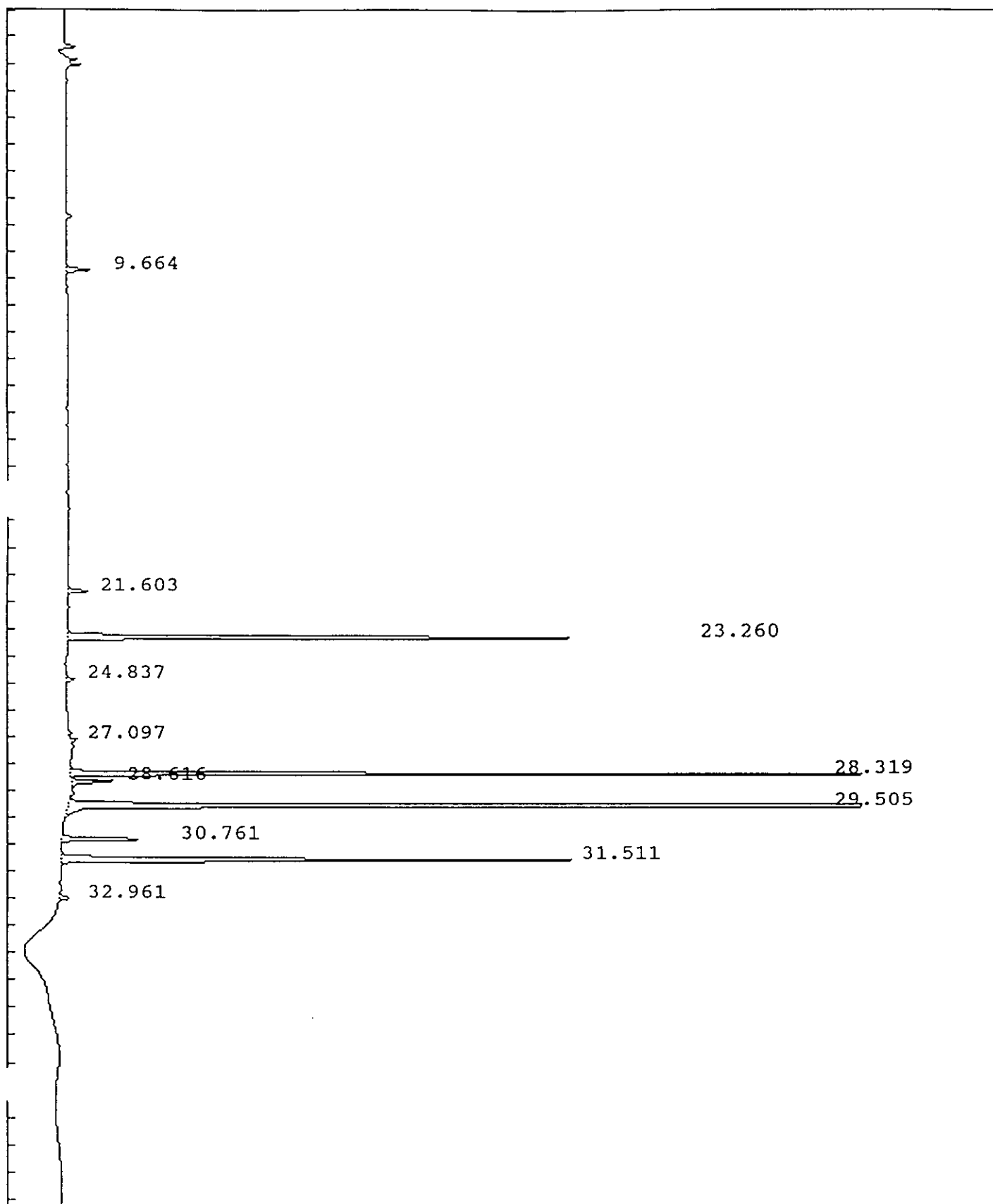
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.67		.097379	24773	BB	0.0000	
2	9.67		.118247	209877	BB	0.0000	
3	21.61		.102005	124754	BB	0.0000	
4	23.27	23.28	.089255	1092306	BB	.2269	Aldrin
5	27.10	27.10	.094860	18729	PB	.0060	4,4'-DDE
6	28.32	28.32	.072279	1522553	PV	.6260	Endrin
7	28.62	28.62	.081336	85367	PB	.0392	4,4'-DDD
8	29.51	29.52	.078427	3178559	BV	1.2258	4,4'-DDT
9	30.77		.094244	184110	BB	0.0000	
10	31.52	#31.53	.104117	1116726	BB	.5008	Dibutyl Chlorendate

Total Area : 7557755 Total PPB : 2.625

Report Time : 1440 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1228.MTH  
 Result File : /DATA/LOOP/RESULT/B1228002.RES

## IEA Pesticide Standard Report

Sample Name : EVALB Inj on 2016 09Mar1993  
Result File : /DATA/LOOP/RESULT/B1228003.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALB  
 Result File : /DATA/LOOP/RESULT/B1228003.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 2016 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 3 Bottle no. : 3

% Dil-Fact  
 100.00

Run Status : SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.66		.115251	92533	BB	0.0000	
2	21.60		.102061	80504	BB	0.0000	
3	23.26	23.28	.092556	2023226	BB	.4202	Aldrin
4	24.84		.079913	29943	BB	0.0000	
5	27.10	27.10	.086765	29120	PB	.0094	4,4'-DDE
6	28.32	28.32	.074748	2783663	PV	1.1445	Endrin
7	28.62	28.62	.084396	161012	VV	.0739	4,4'-DDD
8	29.50	29.52	.094117	5620306	GB	2.1674	4,4'-DDT
9	30.76		.095336	338588	BB	0.0000	
10	31.51	#31.53	.107337	2020562	BB	.9062	Dibutyl Chlorendate
11	32.96	32.97	.123955	46303	BB	.0163	Endrin ketone

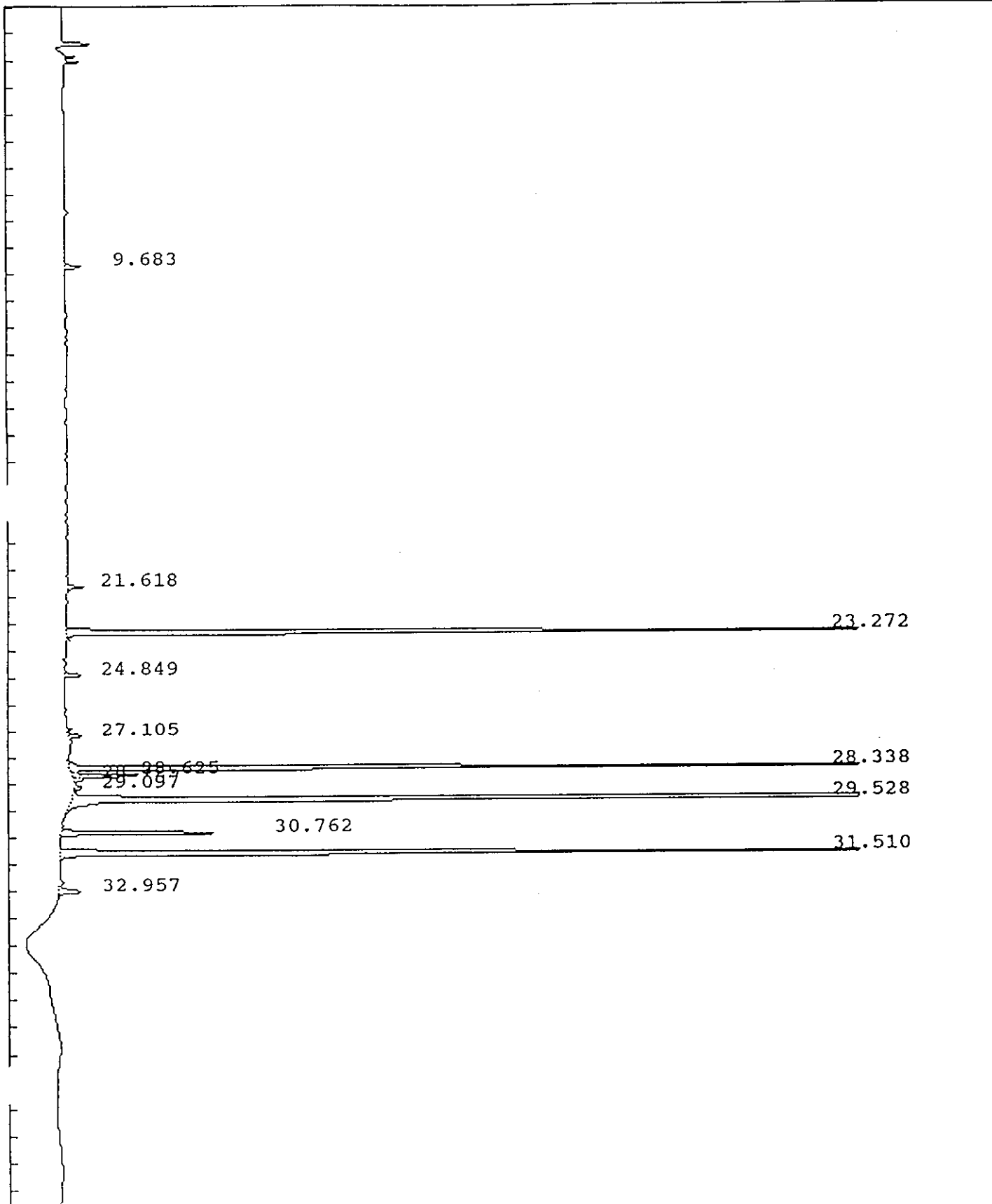
Total Area : 13225762 Total PPB : 4.738

Report Time : 1442 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1228.MTH  
 Result File : /DATA/LOOP/RESULT/B1228003.RES



IEA Pesticide Standard Report

Sample Name : EVALC Inj on 2110 09Mar1993  
 Result File : /DATA/LOOP/RESULT/B1228004.RES INSTRUMENT: HP58901B  
 Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALC Report No : 209.27  
 Result File : /DATA/LOOP/RESULT/B1228004.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 2110 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 4 Bottle no. : 4

% Dil-Fact  
 100.00

Run Status : SignalOverload  
 SpecialInteg

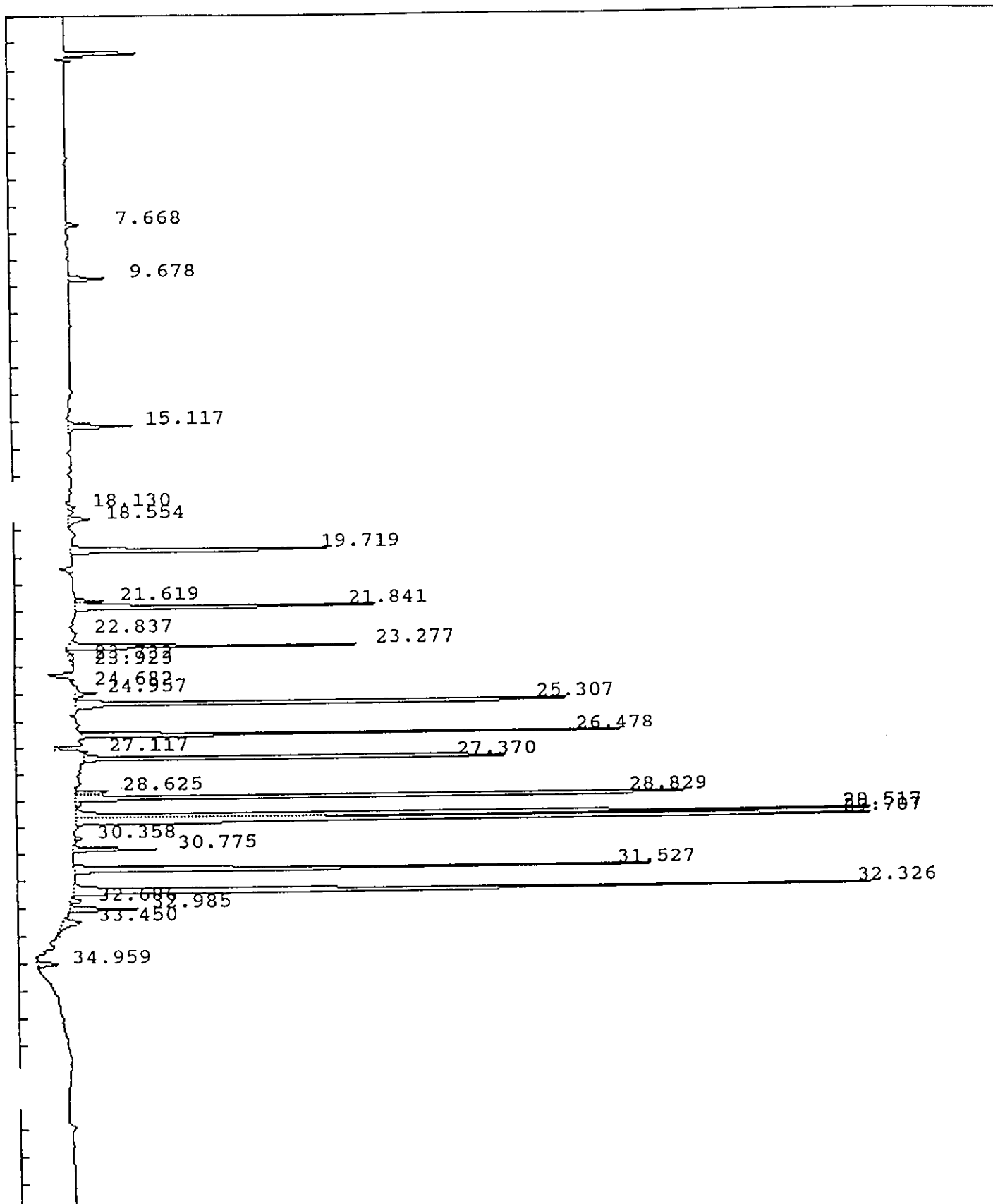
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.68		0.000000	68156	BB	0.0000	
2	21.62		0.000000	63153	BB	0.0000	
3	23.27	23.28	0.000000	3802139	BB	.7897	Aldrin
4	24.85		0.000000	62605	BB	0.0000	
5	27.11	27.10	0.000000	56961	PB	.0183	4,4'-DDE
6	28.34	28.32	0.000000	4994674	FF	2.0536	Endrin
7	28.63	28.62	0.000000	266400	FF	.1222	4,4'-DDD
8	28.72	28.83	0.000000	43128	FF	.0157	Endosulfan II
9	29.10		0.000000	26334	BB	0.0000	
10	29.53	29.52	0.000000	7264213	GS	2.8014	4,4'-DDT
11	30.76		0.000000	658238	BB	0.0000	
12	31.51	#31.53	0.000000	3757794	BB	1.6853	Dibutyl Chlorendate
13	32.96	32.97	0.000000	111494	VB	.0393	Endrin ketone

Total Area : 21175296 Total PPB : 7.525

Report Time : 1634 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1228.MTH  
 Result File : /DATA/LOOP/RESULT/B1228004.RES

## IEA Pesticide Standard Report

Sample Name : INDA Inj on 2209 09Mar1993  
Result File : /DATA/LOOP/RESULT/B1228005.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDA Report No : 210.11  
 Result File : /DATA/LOOP/RESULT/B1228005.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 2209 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 5 Bottle no. : 5

% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 SignalOverload

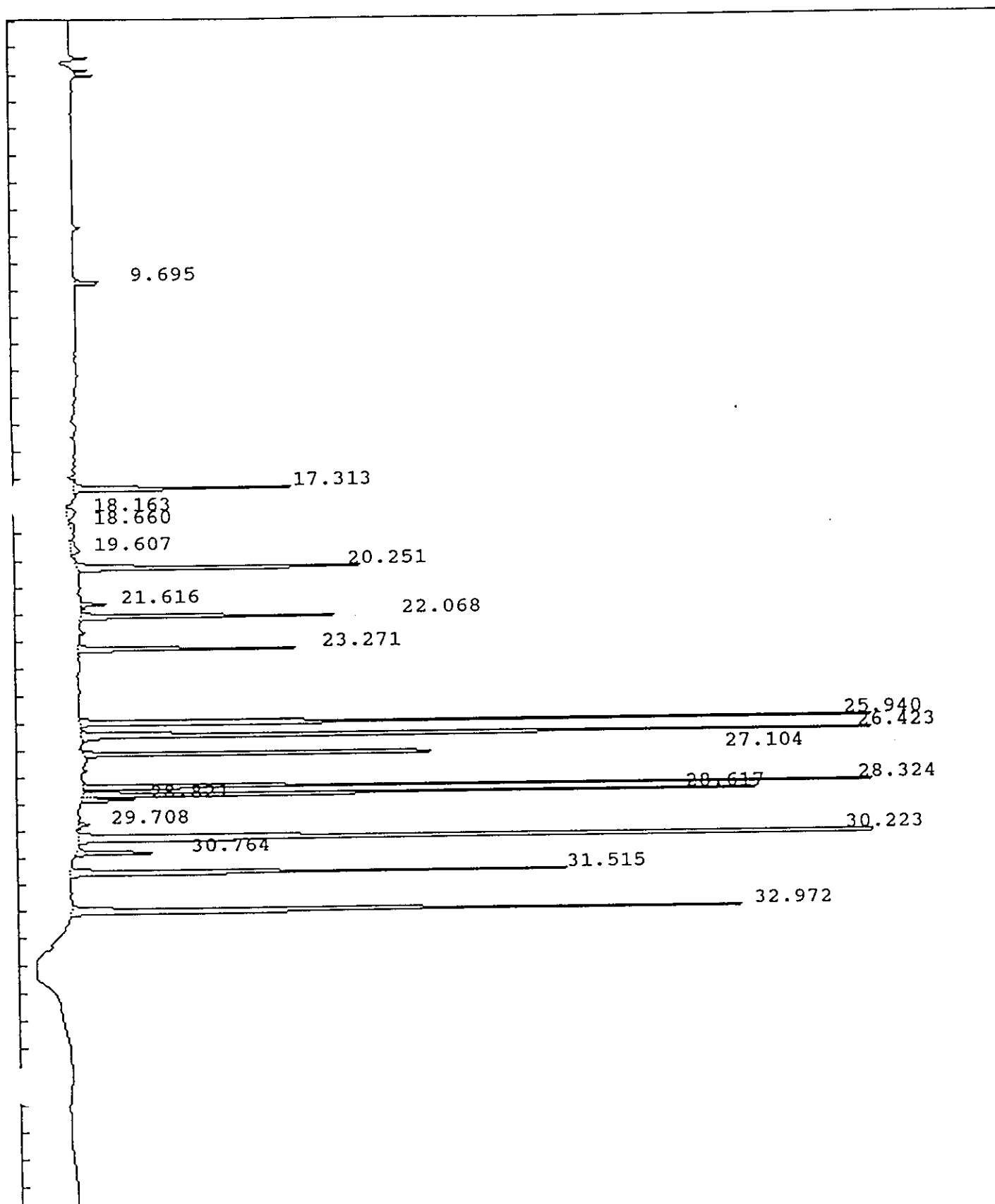
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.67		.097866	45264	BB	0.0000	
2	9.68		.113121	150750	BB	0.0000	
3	15.12		.124818	287062	BB	0.0000	
4	18.13		.131427	33869	BV	0.0000	
5	18.55		.159410	125225	VB	0.0000	
6	19.72	19.78	.109554	1123056	BB	.2000	gamma-BHC (Lindane)
7	21.62		.098765	105292	BV	0.0000	
8	21.84	21.84	.102630	1222347	VB	.2000	Heptachlor
9	22.84		.147834	21966	PV	0.0000	
10	23.28	23.28	.089512	962881	BB	.2000	Aldrin
11	23.73		.396906	55103	BV	0.0000	
12	23.92		.108449	13079	VV	0.0000	
13	24.68		.134773	21750	BV	0.0000	
14	24.96		.082359	72696	BB	0.0000	
15	25.31	25.31	.082716	2168218	BB	.5000	Heptachlor epoxide
16	26.48	26.48	.076863	1650372	BB	.5000	Endosulfan I
17	27.12	27.10	.172093	182740	PB	.0587	4,4'-DDE
18	27.37	27.37	.072474	1815426	BB	.5000	Dieldrin
19	28.63	28.62	.073194	131528	BV	.0603	4,4'-DDD
20	28.83	28.83	.077839	2743642	HS	1.0000	Endosulfan II
21	29.52	29.52	.086734	5186213	GS	2.0000	4,4'-DDT
22	29.71	29.71	.083957	4727538	GS	2.0000	Endrin aldehyde
23	30.36	30.22	.078235	29629	BV	.0198	Endosulfan sulfate
24	30.77		.095861	320352	VB	0.0000	
25	31.53	#31.53	.103718	2229789	BB	1.0000	Dibutyl Chlorendate
26	32.33	32.33	.110224	3595917	BB	2.5000	Methoxychlor
27	32.69		.109402	45257	BV	0.0000	
28	32.99	32.97	.110692	273978	VB	.0966	Endrin ketone
29	33.45		.232712	131557	BB	0.0000	
30	34.96		.131016	100539	PV	0.0000	
31	46.27		.197324	794241	BB	0.0000	

Total Area : 30367272 Total PPB : 10.835

Report Time : 1445 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1228.MTH  
 Result File : /DATA/LOOP/RESULT/B1228005.RES

## IEA Pesticide Standard Report

Sample Name : INDB Inj on 2303 09Mar1993  
Result File : /DATA/LOOP/RESULT/B1228006.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDB Report No : 211.12  
 Result File : /DATA/LOOP/RESULT/B1228006.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 2303 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 6 Bottle no. : 6

% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 SignalOverload  
 SpecialInteg

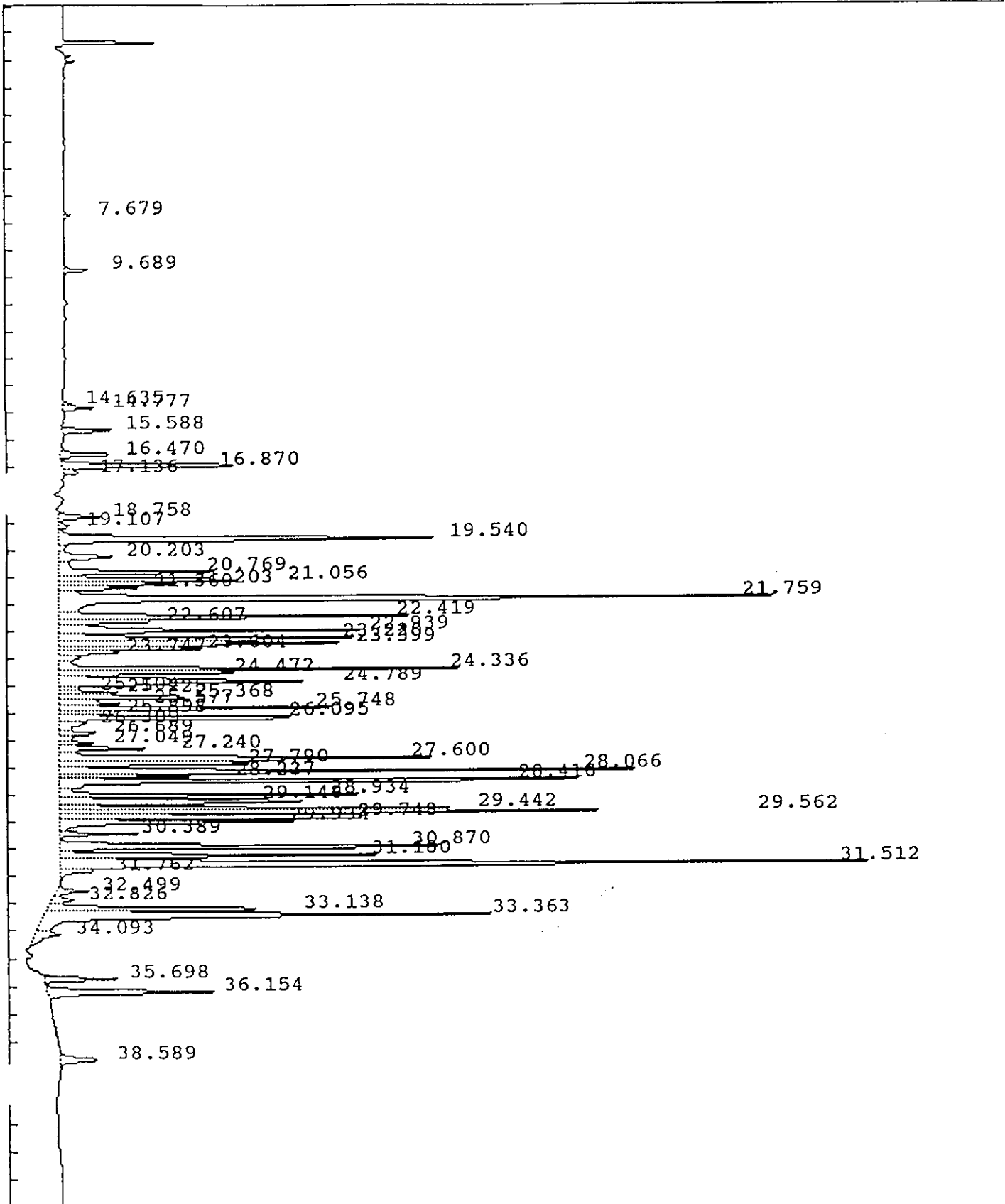
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.70		0.000000	116792	BB	0.0000	
2	17.31	17.31	0.000000	842884	BB	.2000	alpha-BHC
3	18.16		0.000000	89796	BV	0.0000	
4	18.66		0.000000	46071	VV	0.0000	
5	19.61	19.78	0.000000	100600	VV	.0179	gamma-BHC (Lindane)
6	20.25	20.25	0.000000	1298065	BV	.5000	beta-BHC
7	21.62		0.000000	93752	BV	0.0000	
8	22.07	22.07	0.000000	922340	BB	.2000	delta-BHC
9	23.27	23.28	0.000000	764524	BV	.1588	Aldrin
10	25.94	25.94	0.000000	3450561	BS	1.0000	gamma-Chlordane
11	26.42	26.42	0.000000	3346231	BS	1.0000	alpha-Chlordane
12	27.10	27.10	0.000000	1555906	FF	.5000	4,4'-DDE
13	28.32	28.32	0.000000	2432156	BV	1.0000	Endrin
14	28.62	28.62	0.000000	2180246	FF	1.0000	4,4'-DDD
15	28.82	28.83	0.000000	192701	FF	.0702	Endosulfan II
16	29.71	29.71	0.000000	48823	VB	.0207	Endrin aldehyde
17	30.22	30.22	0.000000	7489079	GS	5.0000	Endosulfan sulfate
18	30.76		0.000000	314840	BB	0.0000	
19	31.51	#31.53	0.000000	1924508	BB	.8631	Dibutyl Chlorendate
20	32.97	32.97	0.000000	2836231	BB	1.0000	Endrin ketone

Total Area : 30046108 Total PPB : 12.531

Report Time : 1447 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1228.MTH  
 Result File : /DATA/LOOP/RESULT/B1228006.RES

IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng Inj on 2357 09Mar1993  
Result File : /DATA/LOOP/RESULT/B1228007.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng Report No : 212.01  
 Result File : /DATA/LOOP/RESULT/B1228007.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.48 Mins. Injected on 2357 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 7 Bottle no. : 7

% Dil-Fact  
100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.68		.094816	24588	BB	0.0000	
2	9.69		.112074	106329	BB	0.0000	
3	14.64		.093500	32532	BV	0.0000	
4	14.78		.107555	114431	VV	0.0000	
5	15.59		.121026	222876	BV	0.0000	
6	16.47		.121591	254977	BV	0.0000	
7	<u>16.87</u>		.123426	879166	PV	0.0000	
8	<u>17.14</u>	17.31	.116719	68295	VB	.0162	<del>alpha-BHC</del>
9	18.76		.142753	222133	BV	0.0000	
10	19.11		.149266	65248	VV	0.0000	
11	<u>19.54</u>		.155466	2058535	VV	0.0000	
12	20.20	20.25	.184472	354411	VV	.1365	<del>beta-BHC</del>
13	20.77		.135076	794504	VV	0.0000	
14	21.06		.111982	847764	VV	0.0000	
15	21.20		.102744	448629	VV	0.0000	
16	21.36		.115704	348586	VV	0.0000	
17	<u>21.76</u>	21.84	.162538	4004094	VV	.6551	<del>Heptachlor</del>
18	<u>22.42</u>		.121299	1586833	VV	0.0000	
19	22.61		.100985	331470	VV	0.0000	
20	22.94		.112514	1268189	VV	0.0000	
21	<u>23.22</u>	23.28	.117665	1317750	VV	.2737	<del>Aldrin</del>
22	23.40		.136747	1422360	VV	0.0000	
23	23.60		.090134	478633	VV	0.0000	
24	23.75		.103709	233660	VV	0.0000	
25	24.34		.102566	1493330	VV	0.0000	
26	24.47		.088347	584576	VV	0.0000	
27	24.79		.167833	1629376	VV	0.0000	
28	25.10		.092878	76899	VV	0.0000	
29	25.23		.086083	222787	VV	0.0000	
30	25.37	25.31	.128676	633673	VV	.1461	<del>Heptachlor epoxide</del>
31	25.58		.091173	238784	VV	0.0000	
32	25.75		.085932	988147	VV	0.0000	
33	25.90	25.94	.084225	233114	VV	.0676	<del>gamma-Chlordane</del>
34	26.10		.089633	1122500	VV	0.0000	
35	26.31	26.42	.216990	200594	VV	.0599	<del>alpha-Chlordane</del>
36	26.69		.111136	188506	VV	0.0000	
37	27.05	27.10	.104252	136128	VV	.0437	<del>4,4'-DDE</del>
38	27.24	27.37	.089378	349124	VV	.0962	<del>Dieldrin</del>
39	27.60		.147049	2009748	VV	0.0000	
40	27.79		.103644	693324	VV	0.0000	

03/19/93  
JL



IEA Pesticide Standard Report							Name
PK#	RT	ID-tm	Peak Width	Area	Code	PPB	
41	<u>28.07</u>		.090853	<u>2119390</u>	VV	0.0000	
42	28.24	28.32	.078885	463672	VV	.1906	Endrin
43	<u>28.42</u>		.086864	<u>2376630</u>	VV	0.0000	
44	28.93	28.83	.079753	1031597	VV	.3760	<del>Endosulfan II</del>
45	29.15		.133190	1382430	VV	0.0000	
46	29.44	29.52	.094416	1390958	VV	.5364	4,4'-DDT
47	<u>29.56</u>		.087286	<u>2115716</u>	VV	0.0000	
48	29.75	29.71	.088956	1411592	VV	.5972	<del>Endrin aldehyde</del>
49	29.93		.106268	1063514	VV	0.0000	
50	30.39	30.22	.093017	286095	VV	.1910	<u>Endosulfan sulfate</u>
51	<u>30.87</u>		.120478	<u>1949894</u>	VV	0.0000	
52	31.18		.115457	1300919	VV	0.0000	
53	31.51	#31.53	.116222	5257651	VV	2.3579	Dibutyl Chlorendate
54	31.76		.123532	137567	VB	0.0000	
55	32.50	32.33	.128031	148571	BV	.1033	Methoxychlor
56	32.83	32.97	.150667	108119	VV	.0381	<u>Endrin ketone</u>
57	33.14		.134468	1126374	VV	0.0000	
58	<u>33.36</u>		.167503	<u>2637664</u>	VV	0.0000	
59	34.09		.247836	218128	VV	0.0000	
60	35.70		.130672	318696	BV	0.0000	
61	36.15		.163944	937460	PB	0.0000	
62	38.59		.188641	239561	BB	0.0000	

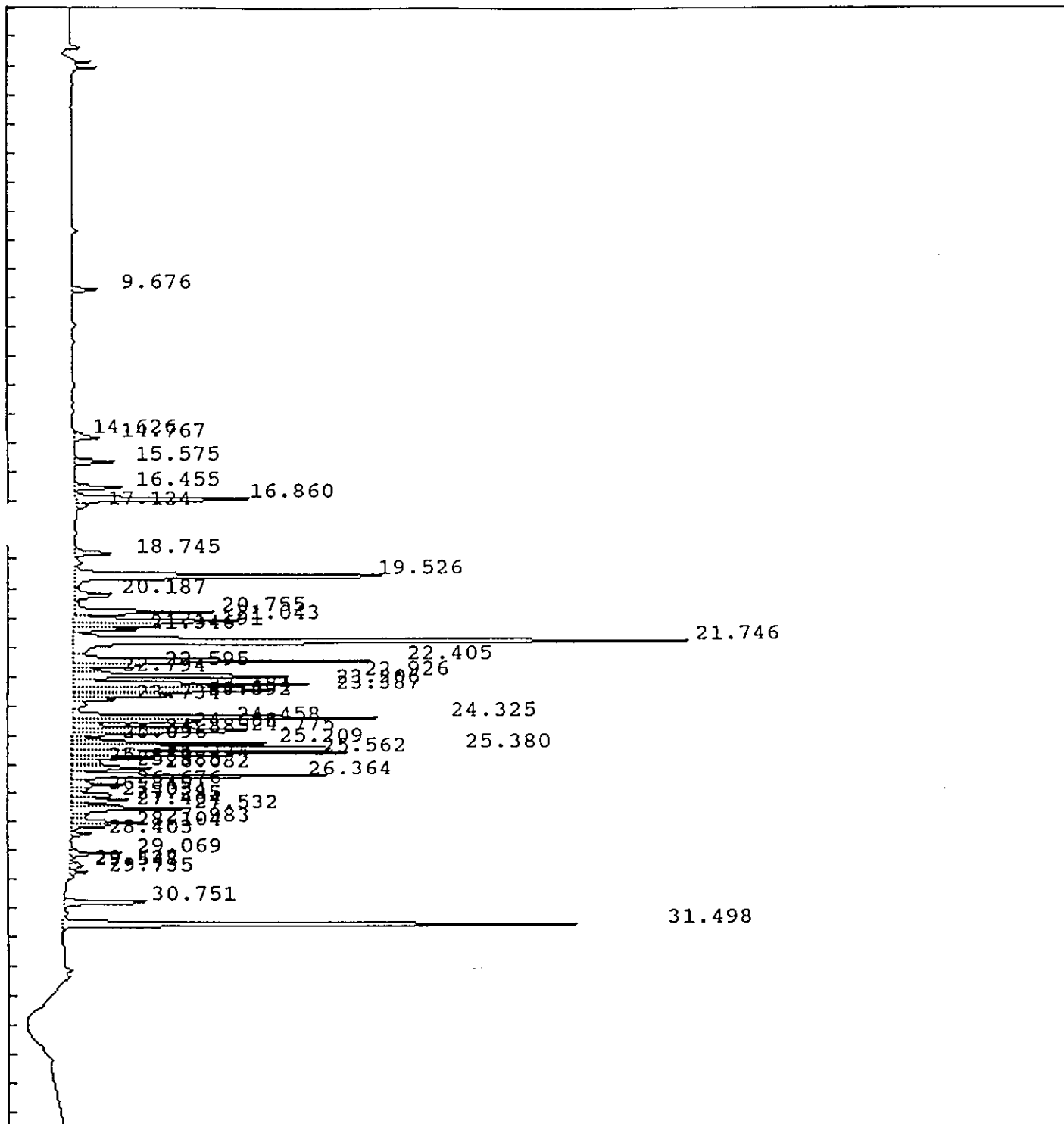
Total Area : 56308824 Total PPB : 5.886

Report Time : 1449 11Mar1993  
Method : /DATA/LOOP/METHOD/B1228.MTH  
Result File : /DATA/LOOP/RESULT/B1228007.RES

03/10/93  
*[Signature]*

IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng Inj on 0051 10Mar1993  
 Result File : /DATA/LOOP/RESULT/B1228008.RES INSTRUMENT: HP58901B  
 Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng Report No : 213.01  
 Result File : /DATA/LOOP/RESULT/B1228008.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0051 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 8 Bottle no. : 8

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.68		.113519	94125	BB	0.0000	
2	14.63		.094070	26519	BV	0.0000	
3	14.77		.113669	102907	VB	0.0000	
4	15.57		.119095	164059	BB	0.0000	
5	16.46		.115081	196883	BV	0.0000	
6	<del>16.86</del>		.124266	<del>788883</del>	VV	0.0000	
7	17.12	17.31	.121609	53886	VB	.0128	alpha-BHC
8	18.75		.127842	162152	BV	0.0000	
9	<u>19.53</u>		.157273	<u>1743811</u>	VV	0.0000	
10	20.19	20.25	.164268	228329	VV	.0879	beta-BHC
11	20.76		.122799	587611	VV	0.0000	
12	21.04		.111544	691346	VV	0.0000	
13	21.19		.101457	368179	VV	0.0000	
14	21.35		.106876	240672	VV	0.0000	
15	21.75	21.84	.156346	<u>3172411</u>	VV	.5191	Heptachlor
16	<u>22.40</u>		.119519	<u>1276900</u>	VV	0.0000	
17	22.60		.096080	226564	VV	0.0000	
18	22.79		.090207	105655	VV	0.0000	
19	22.93		.095710	872929	VV	0.0000	
20	<u>23.21</u>	23.28	.120259	<u>1011494</u>	VV	.2101	Aldrin
21	23.39		.096340	777005	VV	0.0000	
22	23.48		.071628	286635	VV	0.0000	
23	23.59		.088440	338404	VV	0.0000	
24	23.73		.096949	152571	VV	0.0000	
25	24.32		.103332	1233534	VV	0.0000	
26	24.46		.084396	426163	VV	0.0000	
27	24.69		.077504	337180	VV	0.0000	
28	24.78		.083670	649017	VV	0.0000	
29	24.89		.081505	262606	VV	0.0000	
30	25.10		.077765	84889	VV	0.0000	
31	25.21		.082196	584216	VV	0.0000	
32	25.38	25.31	.098796	1199052	VV	.2765	Heptachlor epoxide
33	25.56		.085174	968301	VV	0.0000	
34	25.73		.092654	275876	VV	0.0000	
35	25.88		.080567	78469	VV	0.0000	
36	25.99	25.94	.074961	126802	VV	.0367	gamma-Chlordane
37	26.08		.089735	262478	VV	0.0000	
38	26.36	26.42	.100260	1096396	VV	.3277	alpha-Chlordane
39	26.68	26.48	.103332	199260	VV	.0604	Endosulfan-I
40	26.85		.101015	62550	VV	0.0000	

IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	27.03	27.10	.096072	182863	VV	.0588	<u>4,4'-DDE</u>
42	27.23		.093899	235238	VV	0.0000	
43	27.40	27.37	.079402	140566	VV	.0387	<u>Dieldrin</u>
44	27.53		.111746	444924	VV	0.0000	
45	27.98		.089426	250237	VV	0.0000	
46	28.10		.097264	148417	VV	0.0000	
47	28.40	28.32	.094151	69381	VV	.0285	<u>Endrin</u>
48	29.07		.081234	154439	VV	0.0000	
49	29.43	29.52	.100379	33352	PV	.0129	<u>4,4'-DDT</u>
50	29.55		.083216	45069	VV	0.0000	
51	29.73	29.71	.081671	51063	VV	.0216	<u>Endrin aldehyde</u>
52	30.75		.106182	378328	BV	0.0000	
53	31.50	#31.53	.105666	2037138	VB	.9136	Dibutyl Chlorendate

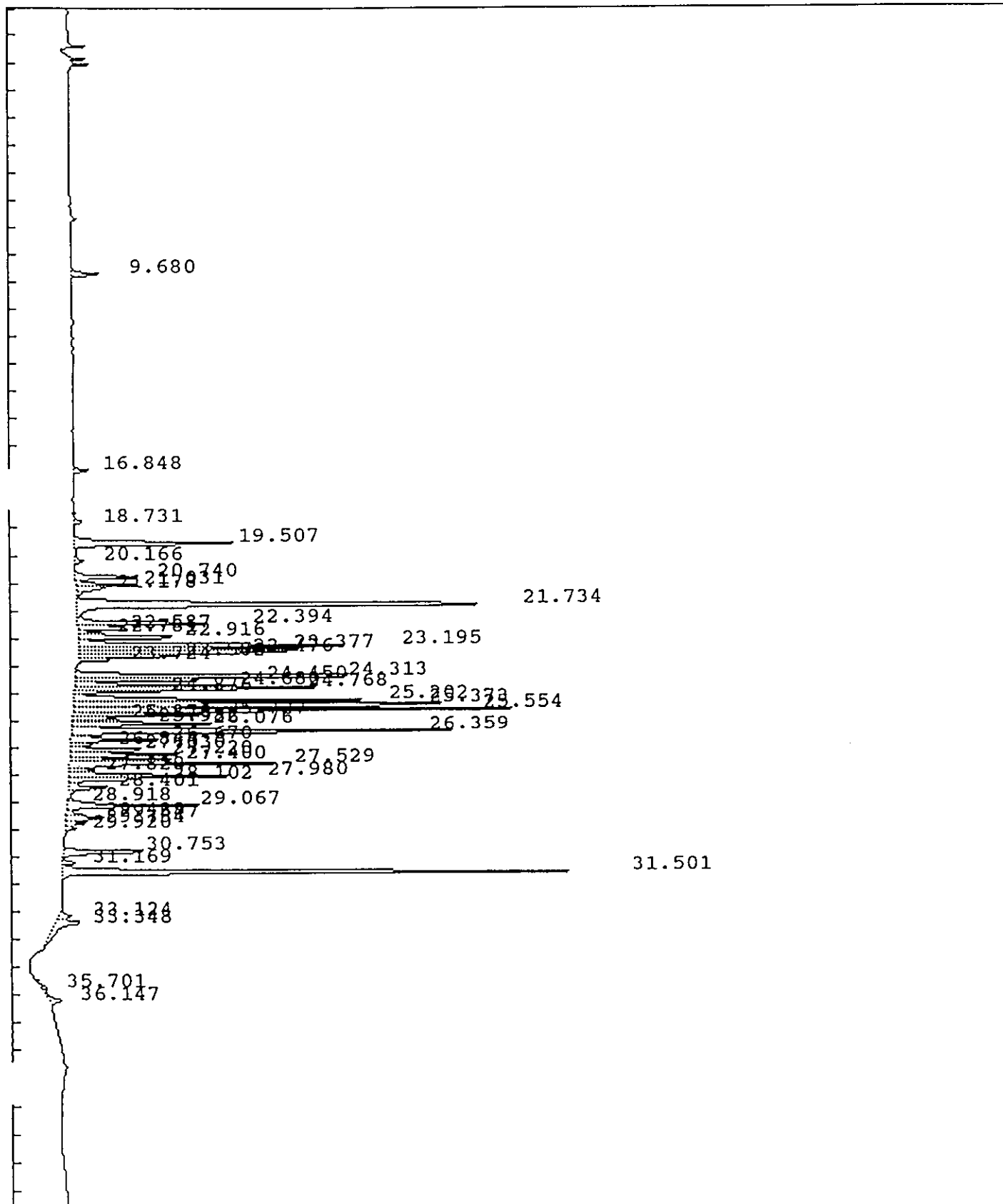
*03/10/93  
Jen*

Total Area : 25687736 Total PPB : 2.605

Report Time : 1452 11Mar1993  
Method : /DATA/LOOP/METHOD/B1228.MTH  
Result File : /DATA/LOOP/RESULT/B1228008.RES

IEA Pesticide Standard Report

Sample Name : AR1248 1.0ng Inj on 0145 10Mar1993  
Result File : /DATA/LOOP/RESULT/B1228009.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

ample Name : AR1248 1.0ng Report No :214.01  
 Result File : /DATA/LOOP/RESULT/B1228009.RES  
 Column Type : RTX-35 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0145 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 9 Bottle no. : 9

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.68		.117068	115234	BB	0.0000	
2	16.85		.115270	60646	BB	0.0000	
3	18.73		.139606	48435	BB	0.0000	
4	<u>19.51</u>		.147610	<u>818893</u>	BB	0.0000	
5	20.17	20.25	.119007	35903	BB	.0138	beta-BHC
6	20.74		.110547	274263	BV	0.0000	
7	21.03		.108830	244081	VV	0.0000	
8	21.18		.096264	99849	VV	0.0000	
9	<u>21.73</u>	21.84	.155426	<u>2320156</u>	PV	.3796	Heptachlor
10	22.39		.103465	571645	VV	0.0000	
11	22.59		.099671	226653	VV	0.0000	
12	22.78		.090445	92167	VV	0.0000	
13	22.92		.089173	420447	VV	0.0000	
14	23.20	23.28	.114287	1238300	VV	.2572	Aldrin
15	23.38		.094470	937429	VV	0.0000	
16	23.48		.077239	460437	VV	0.0000	
17	23.58		.083507	346599	VV	0.0000	
18	23.72		.082277	115399	VV	0.0000	
19	<u>24.31</u>		.097211	<u>1318461</u>	BV	0.0000	
20	24.45		.082881	488140	VV	0.0000	
21	24.68		.075860	456960	VV	0.0000	
22	24.77		.084128	871371	VV	0.0000	
23	24.88		.076458	249081	VV	0.0000	
24	25.20		.094369	1055482	VV	0.0000	
25	25.37	25.31	.099503	1705902	VV	.3934	Heptachlor epoxide
26	<u>25.55</u>		.086839	<u>1541694</u>	VV	0.0000	
27	25.73		.090572	456504	VV	0.0000	
28	25.88		.079508	125043	VV	0.0000	
29	25.98	25.94	.072811	179999	VV	.0522	gamma-Chlordane
30	26.08		.088912	473618	VV	0.0000	
31	<u>26.36</u>	26.42	.110328	<u>1735877</u>	VV	.5188	alpha-Chlordane
32	26.67	26.48	.101707	337451	VV	.1022	Endosulfan-I
33	26.84		.090596	85190	VV	0.0000	
34	27.03	27.10	.091997	324540	VV	.1043	4,4'-DDE
35	27.22		.093585	440708	VV	0.0000	
36	27.40	27.37	.079395	311461	VV	.0858	Dieldrin
37	27.53		.101523	813827	VV	0.0000	
38	27.83		.104191	102365	VV	0.0000	
39	27.98		.088567	594227	VV	0.0000	
40	28.10		.095468	277834	VV	0.0000	

05/10/93  
Jeu

## IEA Pesticide Standard Report

pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	28.40	28.32	.109590	170633	VV	.0702	Endrin
42	28.92	28.83	.075180	38767	VV	.0141	Endosulfan II
43	29.07		.093157	486829	VV	0.0000	
44	29.43	29.52	.110747	82997	VV	.0320	4,4'-DDT
45	29.55		.089132	146995	VV	0.0000	
46	29.73	29.71	.103375	76469	VV	.0324	Endrin-aldehyde
47	29.92		.125159	51738	VB	0.0000	
48	30.75		.113359	420924	BV	0.0000	
49	31.17		.104201	46084	PV	0.0000	
50	31.50	#31.53	.109940	2168024	VB	.9723	Dibutyl Chlorendate
51	33.12	32.97	.155728	64402	BV	.0227	Endrin-ketone
52	33.35		.257209	231920	VV	0.0000	
53	35.70		.178220	36139	BV	0.0000	
54	36.15		.223410	97341	VB	0.0000	

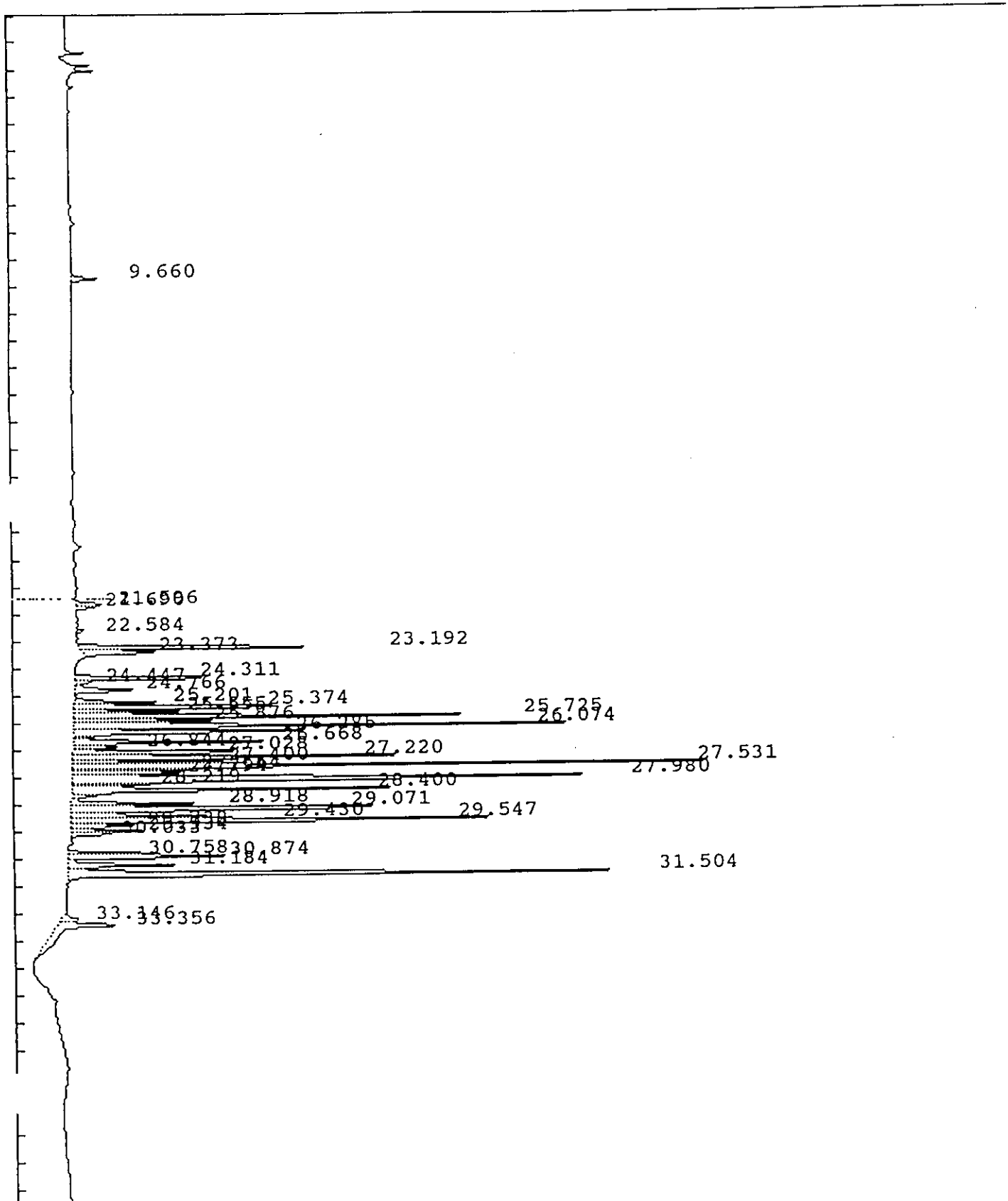
03/10/93  
*[Signature]*

Total Area : 26491536 Total PPB : 3.051

Report Time : 1454 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1228.MTH  
 Result File : /DATA/LOOP/RESULT/B1228009.RES

IEA Pesticide Standard Report

Sample Name : AR1254 1.0ng Inj on 0239 10Mar1993  
Result File : /DATA/LOOP/RESULT/B1228010.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul





## IEA Pesticide Standard Report

Sample Name : AR1254 1.0ng Report No : 215.01  
 Result File : /DATA/LOOP/RESULT/B1228010.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0239 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 10 Bottle no. : 10

% Dil-Fact  
100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.66		.115551	101865	BB	0.0000	
2	21.60		.102569	96472	BV	0.0000	
3	21.69	21.84	.104984	69589	VB	.0114	Heptachlor
4	22.58		.083522	27786	BB	0.0000	
5	23.19	23.28	.096504	977279	BV	.2030	Aldrin
6	23.37		.094397	321686	VV	0.0000	
7	24.31		.086396	564162	BV	0.0000	
8	24.45		.077281	55396	VV	0.0000	
9	24.77		.103253	272946	VV	0.0000	
10	25.20		.087937	287890	VV	0.0000	
11	25.37	25.31	.087873	898010	VV	.2071	Heptachlor-epoxide
12	25.55		.083394	355685	VV	0.0000	
13	<u>25.73</u>		.085744	<u>1354502</u>	VV	0.0000	
14	25.88	25.94	.078151	421377	VV	.1221	gamma-Chlordane
15	<u>26.07</u>		.099809	<u>1907031</u>	VV	0.0000	
16	26.28	26.42	.101200	958454	VV	.2864	alpha-Chlordane
17	26.67	26.48	.086633	638861	VV	.1936	Endosulfan I
18	26.84		.081821	164178	VV	0.0000	
19	27.03	27.10	.087137	710136	VV	.2282	4,4'-DDE
20	27.22		.085168	1222935	VV	0.0000	
21	27.40	27.37	.079254	455176	VV	.1254	Dieldrin
22	<u>27.53</u>		.085245	<u>2131503</u>	VV	0.0000	
23	27.66		.077050	331550	VV	0.0000	
24	27.79		.119973	444692	VV	0.0000	
25	<u>27.98</u>		.133286	<u>2642839</u>	VV	0.0000	
26	28.22	28.32	.078142	264943	VV	.1089	Endrin
27	28.40		.093946	1188366	VV	0.0000	
28	28.92	28.83	.081638	413586	VV	.1507	Endosulfan II
29	29.07		.141499	1602482	VV	0.0000	
30	29.43	29.52	.102850	683246	VV	.2635	4,4'-DDT
31	<u>29.55</u>		.085188	<u>1561824</u>	VV	0.0000	
32	29.74	29.71	.100931	244375	VV	.1034	Endrin aldehyde
33	29.93		.093030	249357	VV	0.0000	
34	30.03	30.22	.084740	113935	VB	.0761	Endosulfan sulfate
35	30.76		.089043	320277	BV	0.0000	
36	30.87		.096734	594593	VV	0.0000	
37	31.18		.104577	413467	VV	0.0000	
38	31.50	#31.53	.112892	2318275	VB	1.0397	Dibutyl Chlorendate
39	33.15	32.97	.138420	79665	BV	.0281	Endrin ketone
40	33.36		.233590	511201	VB	0.0000	

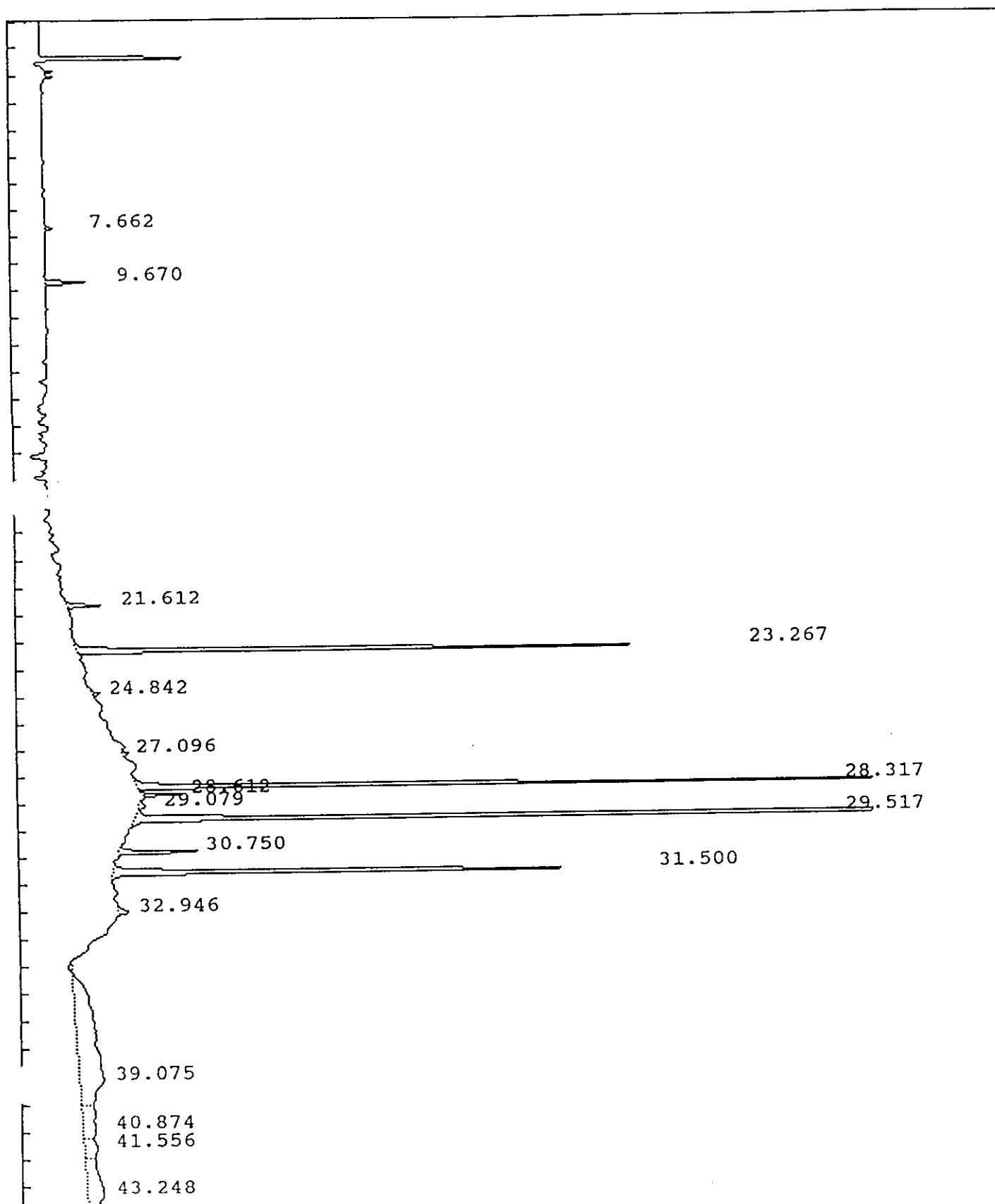
OK 10/95  
B/M

Total Area : 27971600 Total PPB : 3.148  
IEA Pesticide Standard Report

Report Time : 1456 11Mar1993  
Method : /DATA/LOOP/METHOD/B1228.MTH  
Result File : /DATA/LOOP/RESULT/B1228010.RES

## IEA Pesticide Standard Report

Sample Name : EVALB Inj on 0802 10Mar1993  
Result File : /DATA/LOOP/RESULT/B1228016.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : EVALB Report No : 221.22  
 Result File : /DATA/LOOP/RESULT/B1228016.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0802 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 16 Bottle no. : 16

% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 SignalOverload  
 SpecialInteg

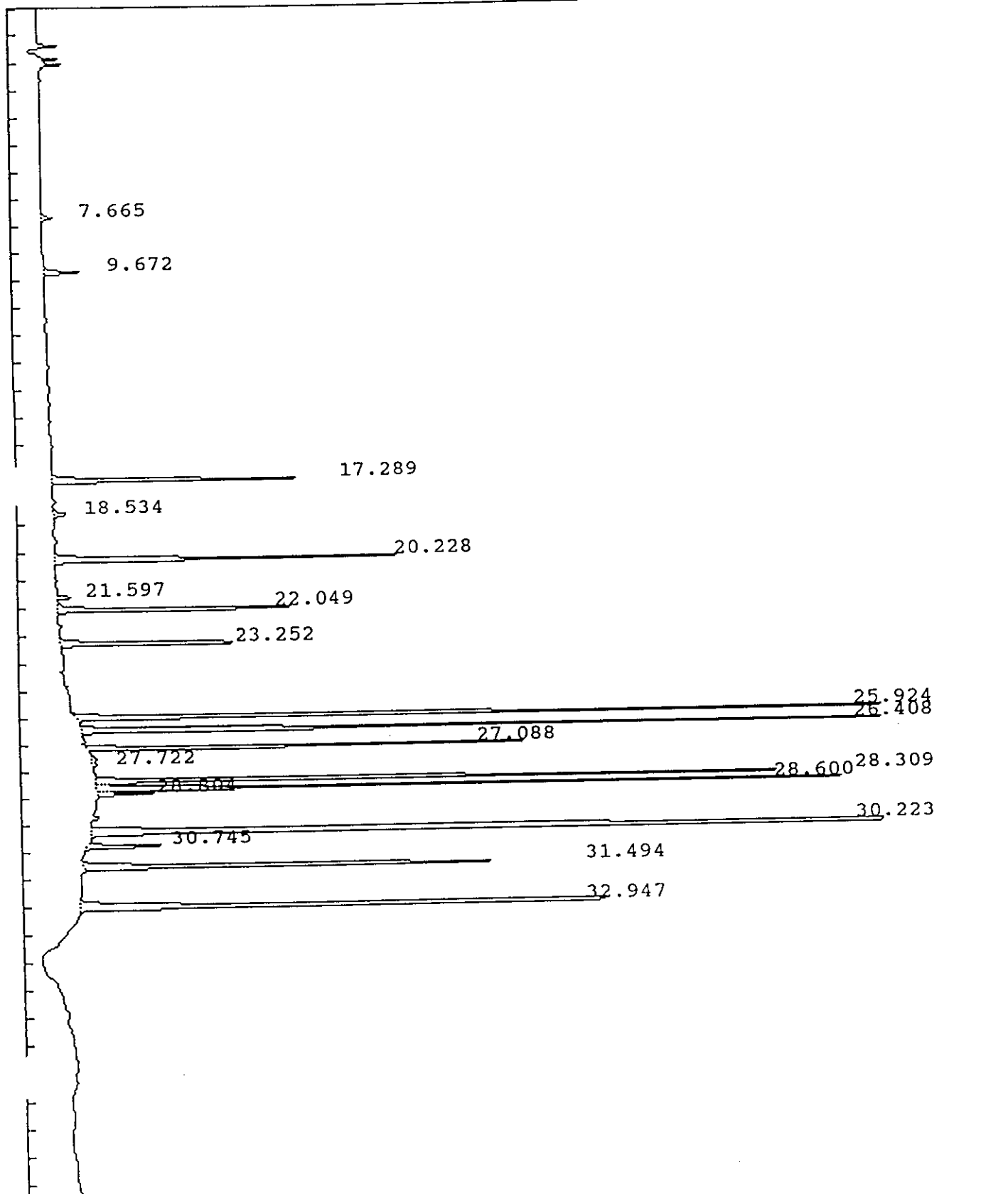
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.66		0.000000	29824	BB	0.0000	
2	9.67		0.000000	155832	BB	0.0000	
3	21.61		0.000000	133060	FF	0.0000	
4	23.27	23.28	0.000000	2064649	FF	.4288	Aldrin
5	24.84		0.000000	51786	FF	0.0000	
6	27.10	27.10	0.000000	27921	FF	.0090	4,4'-DDE
7	28.32	28.32	0.000000	2873818	FF	1.1816	Endrin
8	28.61	28.62	0.000000	127331	FF	.0584	4,4'-DDD
9	29.08		0.000000	35903	FF	0.0000	
10	29.52	29.52	0.000000	5403376	FF	2.0837	4,4'-DDT
11	30.75		0.000000	311121	FF	0.0000	
12	31.50	#31.53	0.000000	1917499	FF	.8599	Dibutyl Chlorendate
13	32.95	32.97	0.000000	65602	FF	.0231	Endrin ketone
14	39.07		0.000000	2551939	BV	0.0000	
15	40.87		0.000000	471207	VV	0.0000	
16	41.56		0.000000	268032	VV	0.0000	
17	43.25		0.000000	899430	VV	0.0000	

Total Area : 17388336 Total PPB : 4.645

Report Time : 1508 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1228.MTH  
 Result File : /DATA/LOOP/RESULT/B1228016.RES

IEA Pesticide Standard Report

Sample Name : INDB Inj on 0856 10Mar1993  
Result File : /DATA/LOOP/RESULT/B1228017.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDB  
 Result File : /DATA/LOOP/RESULT/B1228017.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0856 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 17 Bottle no. : 17

Report No : 222.11

Inj. Vol. : 1 ul

% Dil-Fact  
 100.00

Run Status : SignalOverload

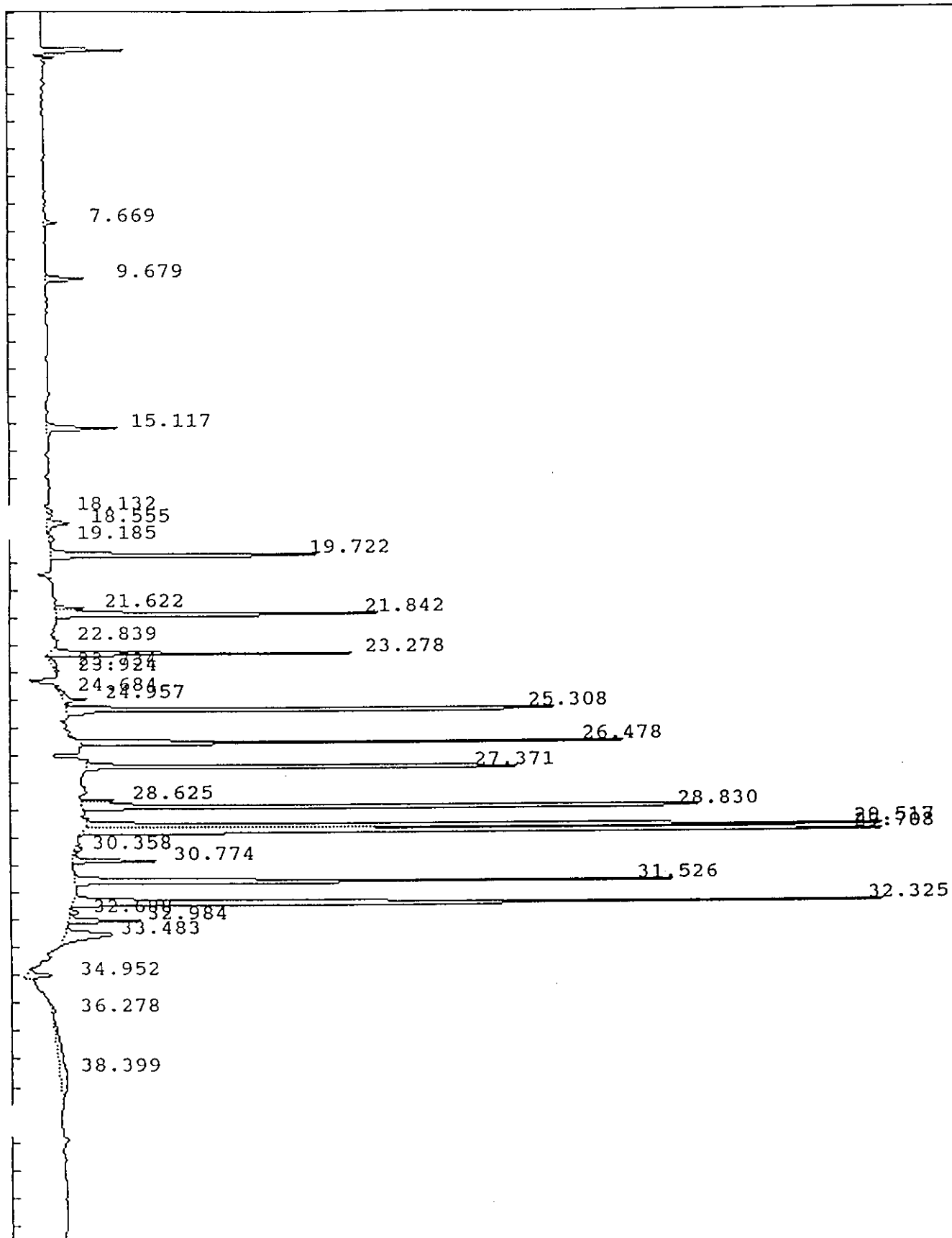
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.66		.099694	36487	BB	0.0000	
2	9.67		.116137	137436	BB	0.0000	
3	17.29	17.31	.106147	962417	BB	.2284	alpha-BHC
4	18.53		.135739	68961	BB	0.0000	
5	20.23	20.25	.110625	1307069	BB	.5035	beta-BHC
6	21.60		.098875	50189	BV	0.0000	
7	22.05	22.07	.085527	914995	VB	.1984	delta-BHC
8	23.25	23.28	.088226	732236	BB	.1521	Aldrin
9	25.92	25.94	.080372	3208885	BB	.9300	gamma-Chlordane
10	26.41	26.42	.080125	3089151	BV	.9232	alpha-Chlordane
11	27.09	27.10	.069159	1405646	PB	.4517	4,4'-DDE
12	27.72		.308086	51134	BB	0.0000	
13	28.31	28.32	.073134	2317594	BV	.9529	Endrin
14	28.60	28.62	.069821	2082489	VV	.9552	4,4'-DDD
15	28.80	28.83	.085217	185895	VB	.0678	Endosulfan II
16	30.22	30.22	.124108	7255127	GS	4.8438	Endosulfan sulfate
17	30.75		.095130	278993	BB	0.0000	
18	31.49	#31.53	.104693	1731322	BB	.7765	Dibutyl Chlorendate
19	32.95	32.97	.115771	2619084	BB	.9234	Endrin ketone

Total Area : 28435112 Total PPB : 11.907

Report Time : 1509 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1228.MTH  
 Result File : /DATA/LOOP/RESULT/B1228017.RES

## IEA Pesticide Standard Report

Sample Name : INDA Inj on 1015 10Mar1993  
Result File : /DATA/LOOP/RESULT/B1228018.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : INDA Report No : 223.12  
 Result File : /DATA/LOOP/RESULT/B1228018.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1015 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 18 Bottle no. : 18

% Dil-Fact  
100.00

Run Status : EndOffBaseline  
SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.67		.101018	44958	BB	0.0000	
2	9.68		.116879	154458	BB	0.0000	
3	15.12		.125889	305264	BB	0.0000	
4	18.13		.126516	31087	BV	0.0000	
5	18.56		.165805	127011	VB	0.0000	
6	19.18		.199495	41397	BB	0.0000	
7	19.72	19.78	.112369	1157270	BB	.2061	gamma-BHC (Lindane)
8	21.62		.098977	100596	BV	0.0000	
9	21.84	21.84	.103579	1291566	VB	.2113	Heptachlor
10	22.84		.148169	23659	PV	0.0000	
11	23.28	23.28	.091730	986178	BB	.2048	Aldrin
12	23.73		.407566	63089	BV	0.0000	
13	23.92		.109956	13698	VV	0.0000	
14	24.68		.157859	37442	PV	0.0000	
15	24.96		.102229	102751	VB	0.0000	
16	25.31	25.31	.083459	2120728	BB	.4890	Heptachlor epoxide
17	26.48	26.48	.078498	1637470	BB	.4961	Endosulfan I
18	27.37	27.37	.073512	1789568	BB	.4929	Dieldrin
19	28.62	28.62	.067652	124759	BV	.0572	4,4'-DDD
20	28.83	28.83	.078856	2711285	VB	.9882	Endosulfan II
21	29.52	29.52	.088873	5206142	GS	2.0077	4,4'-DDT
22	29.71	29.71	.085157	4695119	GS	1.9863	Endrin aldehyde
23	30.36	30.22	.076460	26948	VB	.0180	Endosulfan sulfate
24	30.77		.098526	311189	VB	0.0000	
25	31.53	#31.53	.106017	2235118	BB	1.0024	Dibutyl Chlorendate
26	32.32	32.33	.113368	3712969	BB	2.5814	Methoxychlor
27	32.69		.104348	38729	BV	0.0000	
28	32.98	32.97	.113315	278579	VB	.0982	Endrin ketone
29	33.48		.275506	409327	BB	0.0000	
30	34.95		.157517	134802	PB	0.0000	
31	36.28		.417282	43973	BB	0.0000	
32	38.40		1.630749	368725	BB	0.0000	
33	46.21		.216771	886113	BB	0.0000	

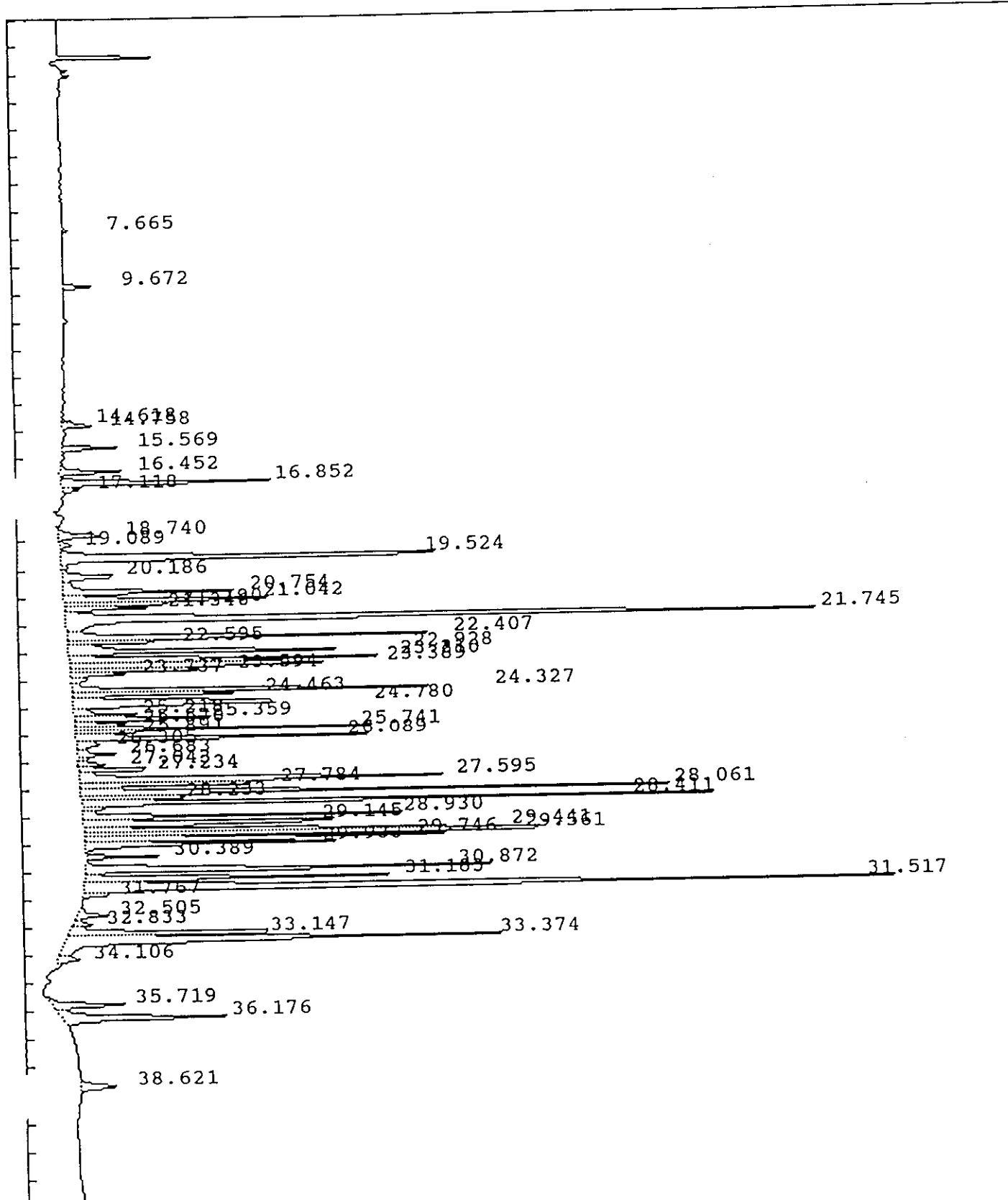
Total Area : 31211972 Total PPB : 10.840

Report Time : 1651 11Mar1993  
 Method : /DATA/LOOP/METHOD/B1228.MTH  
 Result File : /DATA/LOOP/RESULT/B1228018.RES



IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng Inj on 1111 10Mar1993  
Result File : /DATA/LOOP/RESULT/B1228019.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1660 1.0ng Report No : 224.01  
 Result File : /DATA/LOOP/RESULT/B1228019.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1111 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 19 Bottle no. : 19

% Dil-Fact  
100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.67		.096149	24126	BB	0.0000	
2	9.67		.113826	113715	BB	0.0000	
3	14.62		.094180	34689	BV	0.0000	
4	14.76		.108658	118030	VV	0.0000	
5	15.57		.121059	229515	BV	0.0000	
6	16.45		.123356	267979	BV	0.0000	
7	<u>16.85</u>		.125561	<u>930302</u>	PV	0.0000	
8	17.12	17.31	.117407	69875	VB	.0166	alpha-BHC
9	18.74		.141410	220517	BV	0.0000	
10	19.09		.139711	57210	VV	0.0000	
11	<u>19.52</u>		.156211	<u>2119275</u>	VV	0.0000	
12	20.19	20.25	.171941	323041	VV	.1244	beta-BHC
13	20.75		.130644	775854	VV	0.0000	
14	21.04		.112988	865471	VV	0.0000	
15	21.19		.102169	446866	VV	0.0000	
16	21.35		.111116	328127	VV	0.0000	
17	<u>21.75</u>	21.84	.158447	<u>4035128</u>	VV	.6602	Heptachlor
18	<u>22.41</u>		.121380	<u>1607119</u>	VV	0.0000	
19	22.59		.097668	302058	VV	0.0000	
20	22.93		.108748	1233860	VV	0.0000	
21	<u>23.21</u>	23.28	.118287	<u>1315524</u>	VV	.2732	Aldrin
22	23.39		.136474	1408305	VV	0.0000	
23	23.59		.088867	452842	VV	0.0000	
24	23.74		.098654	198795	VV	0.0000	
25	24.33		.101666	1442994	VV	0.0000	
26	24.46		.086149	538978	VV	0.0000	
27	24.78		.162848	1528135	VV	0.0000	
28	25.22		.105533	247340	VV	0.0000	
29	25.36	25.31	.124097	581349	VV	.1341	Heptachlor epoxide
30	25.57		.086724	203854	VV	0.0000	
31	25.74		.085541	946745	VV	0.0000	
32	25.89	25.94	.082202	203037	VV	.0588	gamma-Chlordane
33	26.09		.088518	1070356	VV	0.0000	
34	26.30	26.42	.206332	155624	VV	.0465	alpha-Chlordane
35	26.68		.105495	153896	VV	0.0000	
36	27.04	27.10	.097845	109272	VV	.0351	4,4'-DDE
37	27.23	27.37	.088120	317329	VV	.0874	Dieldrin
38	27.59		.147040	1933005	VV	0.0000	
39	27.78		.106044	666046	VV	0.0000	
40	<u>28.06</u>		.091143	<u>2065361</u>	VV	0.0000	

## IEA Pesticide Standard Report

#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	28.23	28.32	.078575	429784	VV	.1767	Endrin
42	<u>28.41</u>		.083952	<u>2229420</u>	VV	0.0000	
43	28.93	28.83	.081083	1000829	VV	.3648	Endosulfan II
44	29.15		.133052	1309174	VV	0.0000	
45	29.44	29.52	.095792	1345070	VV	.5187	<del>4,4'-DDT</del>
46	<u>29.56</u>		.087845	<u>2037139</u>	VV	0.0000	
47	29.75	29.71	.088759	1338447	VV	.5662	Endrin aldehyde
48	29.93		.101559	945750	VV	0.0000	
49	30.39	30.22	.084924	225537	VB	.1506	Endosulfan sulfate
50	<u>30.87</u>		.120859	<u>1837444</u>	BV	0.0000	
51	<u>31.18</u>		.115453	1223210	VV	0.0000	
52	31.52	#31.53	.116222	5114434	VV	2.2937	Dibutyl Chlorendate
53	31.77		.100151	86587	VB	0.0000	
54	32.51	32.33	.148303	157867	BV	.1098	Methoxychlor
55	32.83	32.97	.147673	94941	VV	.0335	Endrin ketone
56	33.15		.137052	1082194	VV	0.0000	
57	<u>33.37</u>		.166718	<u>2490944</u>	VV	0.0000	
58	<u>34.11</u>		.169182	122239	VV	0.0000	
59	35.72		.164636	410619	PV	0.0000	
60	36.18		.177215	966952	VV	0.0000	
61	38.62		.195272	222388	BB	0.0000	

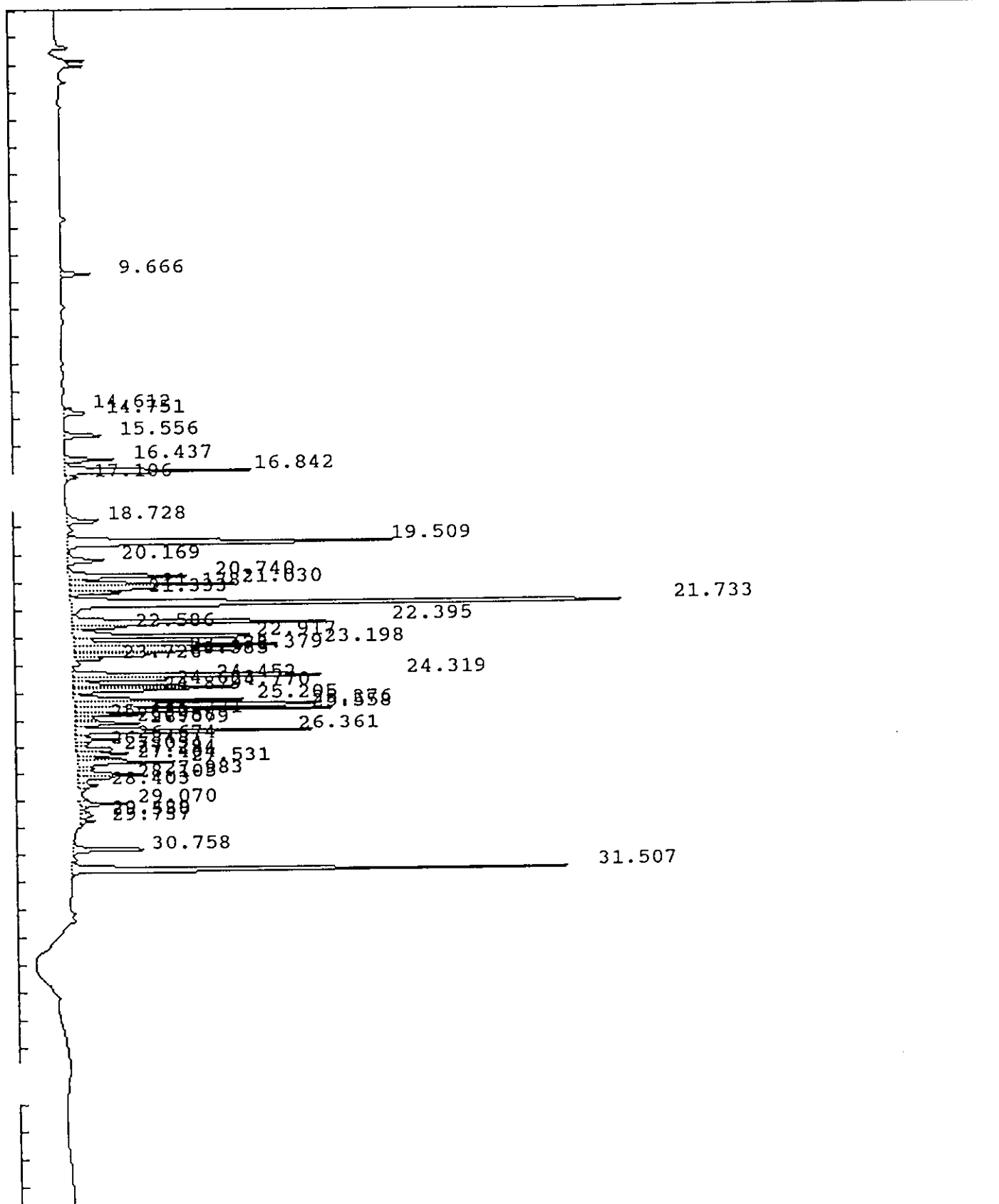
Total Area : 54312504 Total PPB : 5.650

Report Time : 1519 11Mar1993  
Method : /DATA/LOOP/METHOD/B1228.MTH  
Result File : /DATA/LOOP/RESULT/B1228019.RES

03/10/93  
*[Signature]*

IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng Inj on 1204 10Mar1993  
Result File : /DATA/LOOP/RESULT/B1228020.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1242 1.0ng Report No : 225.01  
 Result File : /DATA/LOOP/RESULT/B1228020.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1204 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 20 Bottle no. : 20

% Dil-Fact  
100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.67		.117947	114686	BB	0.0000	
2	14.61		.096227	29210	BV	0.0000	
3	14.75		.113229	100317	VB	0.0000	
4	15.56		.121852	168981	BB	0.0000	
5	16.44		.118440	204275	BV	0.0000	
6	<u>16.84</u>		.128175	<u>826584</u>	VV	0.0000	
7	17.11		.119372	51618	VB	0.0000	
8	18.73		.127760	156198	BV	0.0000	
9	<u>19.51</u>		.157679	<u>1751889</u>	PV	0.0000	
10	20.17	20.25	.144704	181733	VV	.0700	<del>beta-BHC</del>
11	20.74		.117668	527999	PV	0.0000	
12	21.03		.113191	670363	VV	0.0000	
13	21.18		.100506	343232	VV	0.0000	
14	21.33		.098748	202611	VV	0.0000	
15	<u>21.73</u>	21.84	.152864	<u>3078382</u>	VV	.5037	<del>Heptachlor</del>
16	<u>22.39</u>		.118411	<u>1235536</u>	VV	0.0000	
17	22.59		.089608	179270	VV	0.0000	
18	22.92		.101935	891011	VV	0.0000	
19	23.20	23.28	.121011	<u>959176</u>	VV	.1992	<del>Aldrin</del>
20	<u>23.38</u>		.094465	719958	VV	0.0000	
21	23.48		.070858	255047	VV	0.0000	
22	23.58		.085333	285692	VV	0.0000	
23	23.73		.081320	97033	VV	0.0000	
24	24.32		.102349	1122874	BV	0.0000	
25	24.45		.080858	348836	VV	0.0000	
26	24.68		.075791	296131	VV	0.0000	
27	24.77		.082114	574495	VV	0.0000	
28	24.88		.075849	201964	VV	0.0000	
29	25.20		.091881	596530	VV	0.0000	
30	25.38	25.31	.099014	1117709	VV	.2577	<del>Heptachlor epoxide</del>
31	25.56		.084734	897217	VV	0.0000	
32	25.73		.087400	218227	VV	0.0000	
33	25.88		.076973	54842	VV	0.0000	
34	25.99	25.94	.072391	102093	VV	.0296	<del>gamma-Chlordane</del>
35	26.08		.084584	211756	VV	0.0000	
36	26.36	26.42	.097664	1000170	VV	.2989	<del>alpha-Chlordane</del>
37	26.67	26.48	.101839	166749	VV	.0505	<del>Endosulfan I</del>
38	26.85		.097412	48860	VV	0.0000	
39	27.03	27.10	.096229	163043	VV	.0524	<del>4,4'-DDE</del>
40	27.22		.098315	224960	VV	0.0000	

03/10/93  
SEM

## IEA Pesticide Standard Report

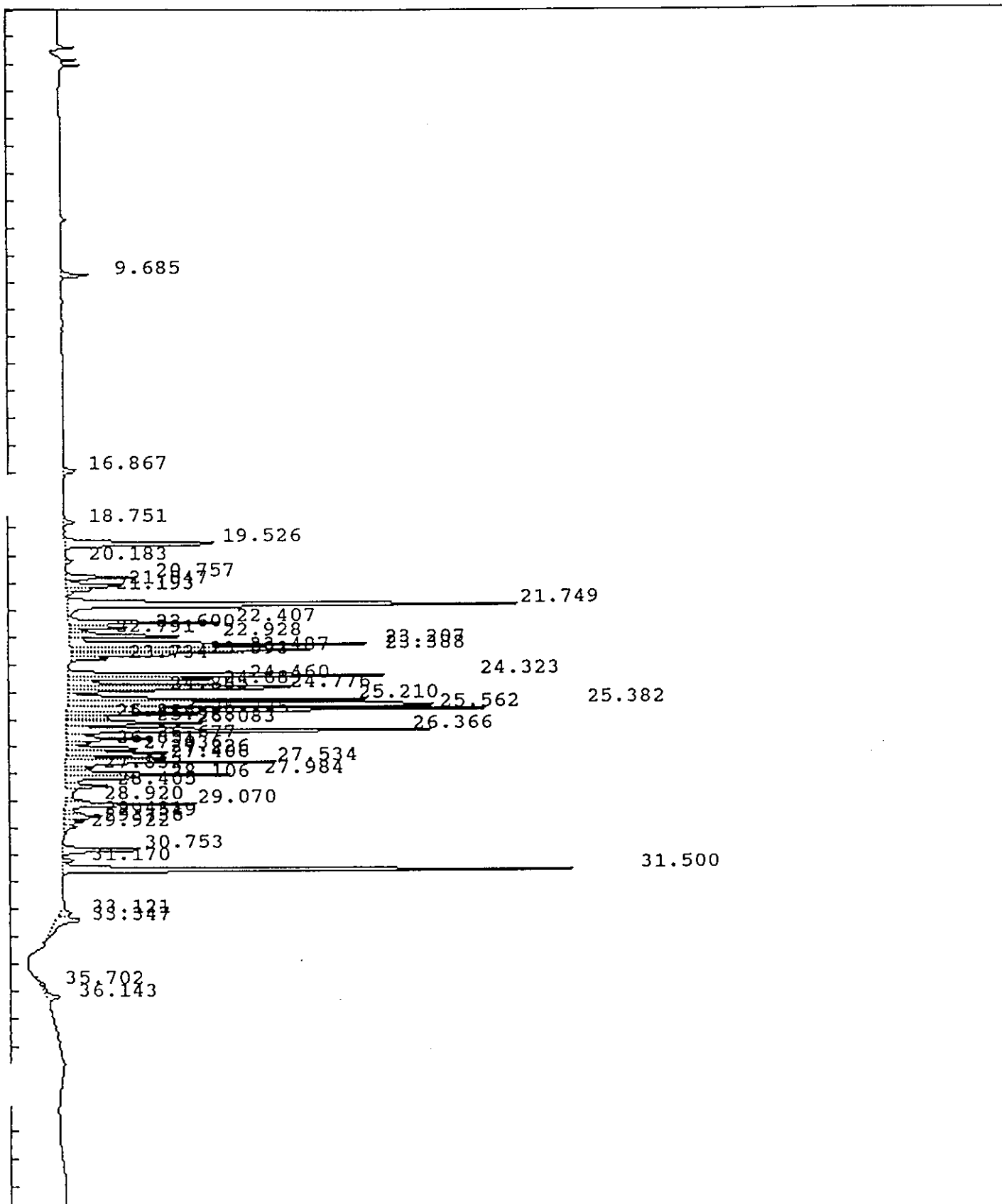
#: RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	27.40	27.37	.083509	136353 VV	.0376	<del>Dieldrin</del>
42	27.53		.114488	416555 VV	0.0000	
43	27.98		.095556	253092 VV	0.0000	
44	28.10		.110550	162206 VV	0.0000	
45	28.40	28.32	.120609	89387 VV	.0368	Endrin
46	29.07		.089356	166469 VV	0.0000	
47	29.43	29.52	.127387	47965 VV	.0185	4,4'-DDT <i>03/10/93</i>
48	29.55		.091507	48061 VV	0.0000	
49	29.74	29.71	.087503	47698 VV	.0202	<del>Endrin-aldehyde</del>
50	30.76		.107670	351020 BV	0.0000	
51	31.51	#31.53	.108634	1955446 PB	.8770	Dibutyl Chlorendate

Total Area : 24051512 Total PPB : 2.452

Report Time : 1521 11Mar1993  
Method : /DATA/LOOP/METHOD/B1228.MTH  
Result File : /DATA/LOOP/RESULT/B1228020.RES

IEA Pesticide Standard Report

Sample Name : AR1248 1.0ng Inj on 1257 10Mar1993  
 Result File : /DATA/LOOP/RESULT/B1228021.RES INSTRUMENT: HP58901B  
 Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1248 1.0ng Report No :226.01  
 Result File : /DATA/LOOP/RESULT/B1228021.RES  
 Column Type : RTX-35 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1257 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 21 Bottle no. : 21

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.69		.116126	112636	BB	0.0000	
2	16.87		.124176	66956	BB	0.0000	
3	18.75		.138388	49112	BB	0.0000	
4	<u>19.53</u>		.145701	<u>832190</u>	BB	0.0000	
5	20.18	20.25	.120044	37346	BB	.0144	beta-BHC
6	20.76		.110333	281695	BV	0.0000	
7	21.05		.108139	248742	VV	0.0000	
8	21.19		.097103	103245	VV	0.0000	
9	<u>21.75</u>	21.84	.153345	<u>2364869</u>	PV	.3869	Heptachlor
10	22.41		.102088	575424	VV	0.0000	
11	22.60		.099609	230672	VV	0.0000	
12	22.79		.088158	86685	VV	0.0000	
13	22.93		.089198	433848	VV	0.0000	
14	23.21	23.28	.111617	1235143	VV	.2566	Aldrin
15	23.39		.095361	965759	VV	0.0000	
16	23.49		.077668	465567	VV	0.0000	
17	23.59		.083478	350236	VV	0.0000	
18	23.73		.082523	115695	VV	0.0000	
19	<u>24.32</u>		.095978	<u>1302925</u>	BV	0.0000	
20	24.46		.083461	492076	VV	0.0000	
21	24.69		.074004	442606	VV	0.0000	
22	24.78		.084343	885407	VV	0.0000	
23	24.89		.075795	246180	VV	0.0000	
24	25.21		.091787	1050503	VV	0.0000	
25	25.38	25.31	.097569	1701095	VV	.3923	Heptachlor epoxide
26	<u>25.56</u>		.086683	<u>1558045</u>	VV	0.0000	
27	25.73		.090768	455667	VV	0.0000	
28	25.89		.079592	121846	VV	0.0000	
29	25.99	25.94	.071895	173003	VV	.0501	gamma-Chlordane
30	26.08		.088692	474556	VV	0.0000	
31	<u>26.37</u>	26.42	.108529	<u>1740995</u>	VV	.5203	alpha-Chlordane
32	<u>26.68</u>	26.48	.100634	333346	VV	.1010	Endosulfan I
33	26.85		.095517	91288	VV	0.0000	
34	27.04	27.10	.090907	319704	VV	.1027	4,4'-DDE
35	27.23		.092515	436435	VV	0.0000	
36	27.41	27.37	.079435	309107	VV	.0851	DiEldrin
37	27.53		.101681	822171	VV	0.0000	
38	27.83		.109278	113098	VV	0.0000	
39	27.98		.088377	588882	VV	0.0000	
40	28.11		.100442	294694	VV	0.0000	

03/10/93  
DEM



## IEA Pesticide Standard Report

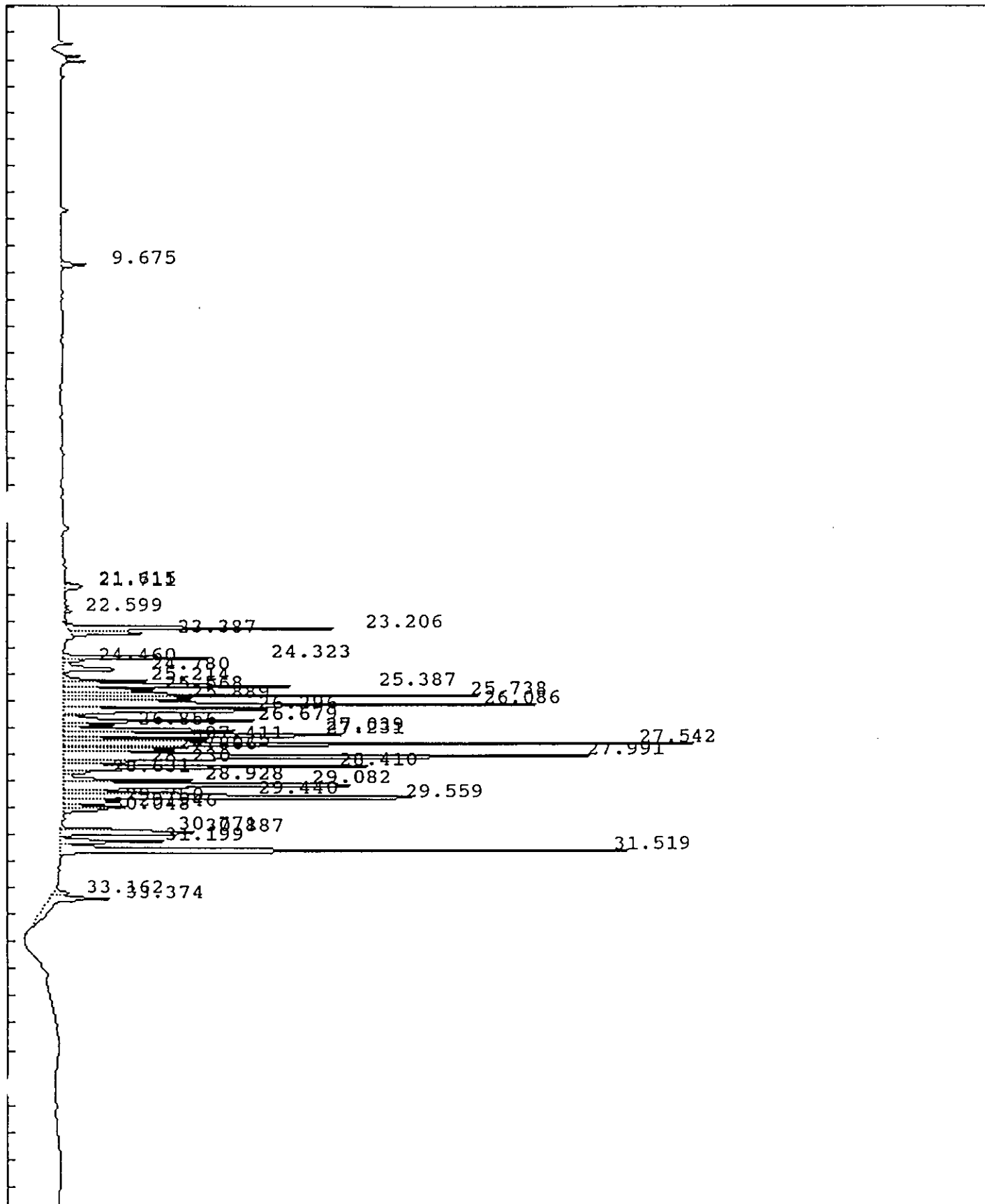
#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	28.41	28.32	.120174	192655	VV	.0792	Endrin
42	28.92	28.83	.086985	54205	VV	.0198	Endosulfan II
43	29.07		.094574	496674	VV	0.0000	
44	29.43	29.52	.114300	84161	VV	.0325	<del>4,4'-DDT</del>
45	29.55		.090924	147110	VV	0.0000	
46	29.74	29.71	.108258	78535	VV	.0332	<del>Endrin-aldehyde</del>
47	29.92		.155140	69638	VV	0.0000	
48	30.75		.111793	404558	BV	0.0000	
49	31.17		.107307	46521	PV	0.0000	
50	31.50	#31.53	.108491	2136036	VB	.9580	Dibutyl Chlorendate
51	33.12	32.97	.152302	60278	BV	.0213	<del>Endrin-ketone</del>
52	33.35		.251967	220198	VV	0.0000	
53	35.70		.185100	38695	BV	0.0000	
54	36.14		.241318	104274	VB	0.0000	

Total Area : 26642984 Total PPB : 3.053

Report Time : 1523 11Mar1993  
Method : /DATA/LOOP/METHOD/B1228.MTH  
Result File : /DATA/LOOP/RESULT/B1228021.RES

IEA Pesticide Standard Report

Sample Name : AR1254 1.0ng Inj on 1350 10Mar1993  
Result File : /DATA/LOOP/RESULT/B1228022.RES INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : AR1254 1.0ng Report No : 227.01  
 Result File : /DATA/LOOP/RESULT/B1228022.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 1350 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 22 Bottle no. : 22

% Dil-Fact  
100.00

Run Status : RunStatusOK

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.67		.112526	99498	BB	0.0000	
2	21.62		.086035	46275	BV	0.0000	
3	21.71	21.84	.122065	80620	VB	.0132	Heptachlor
4	22.60		.089523	32075	VV	0.0000	
5	23.21	23.28	.093961	976517	BV	.2028	Aldrin
6	23.39		.094833	327871	VV	0.0000	
7	24.32		.085436	571473	BV	0.0000	
8	24.46		.077644	58058	VV	0.0000	
9	24.78		.106732	290052	VV	0.0000	
10	25.21		.085837	285434	VV	0.0000	
11	25.39	25.31	.086439	898659	VV	.2072	Heptachlor epoxide
12	25.57		.082217	355682	VV	0.0000	
13	<u>25.74</u>		.084630	1359663	VV	0.0000	
14	25.89	25.94	.078828	428623	VV	.1242	gamma-Chlordane
15	26.09		.097889	1926502	VV	0.0000	
16	<u>26.30</u>	26.42	.100678	980277	VV	.2930	alpha-Chlordane
17	26.68	26.48	.084716	646858	VV	.1960	Endosulfan I
18	26.86		.082767	173268	VV	0.0000	
19	27.04	27.10	.087518	734504	VV	.2360	4,4'-DDE
20	27.23		.083214	1234639	VV	0.0000	
21	27.41	27.37	.076490	449703	VV	.1239	Dieldrin
22	<u>27.54</u>		.085168	2196106	VV	0.0000	
23	27.68		.075806	335485	VV	0.0000	
24	27.81		.119904	462217	VV	0.0000	
25	27.99		.132835	2680818	VV	0.0000	
26	<u>28.23</u>	28.32	.079789	281937	VV	.1159	Endrin
27	28.41		.092924	1208636	VV	0.0000	
28	28.63	28.62	.108950	115705	VV	.0531	4,4'-DDD
29	28.93	28.83	.082574	430469	VV	.1569	Endosulfan II
30	29.08		.141357	1637101	VV	0.0000	
31	29.44	29.52	.102189	667405	VV	.2574	4,4'-BDT
32	<u>29.56</u>		.085880	1592130	VV	0.0000	
33	29.75	29.71	.100104	240675	VV	.1018	Endrin aldehyde
34	29.95		.093214	247748	VV	0.0000	
35	30.05	30.22	.085691	113436	VB	.0757	Endosulfan sulfate
36	30.77		.087956	305746	BV	0.0000	
37	30.89		.096699	593937	VV	0.0000	
38	31.20		.101961	398785	VV	0.0000	
39	31.52	#31.53	.110789	2297388	VB	1.0303	Dibutyl Chlorendate
40	33.16	32.97	.137262	76451	BV	.0270	Endrin ketone

03/10/93  
JW

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	33.37		.218493	471914	VB	0.0000	

Total Area : 28310340 Total PPB : 3.214

Report Time : 1528 11Mar1993  
Method : /DATA/LOOP/METHOD/B1228.MTH  
Result File : /DATA/LOOP/RESULT/B1228022.RES

1110

ID  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK00

Lab Name: IEA Contract: \_\_\_\_\_

Lab Code: IEA Case No.: 0148 SAS no.: \_\_\_\_\_ SDB No.: Z0148

Matrix: (soil/water) WATER Lab Sample ID: 0210-B05

Sample wt/vol: 1000. (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 02/10/93

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/02/93

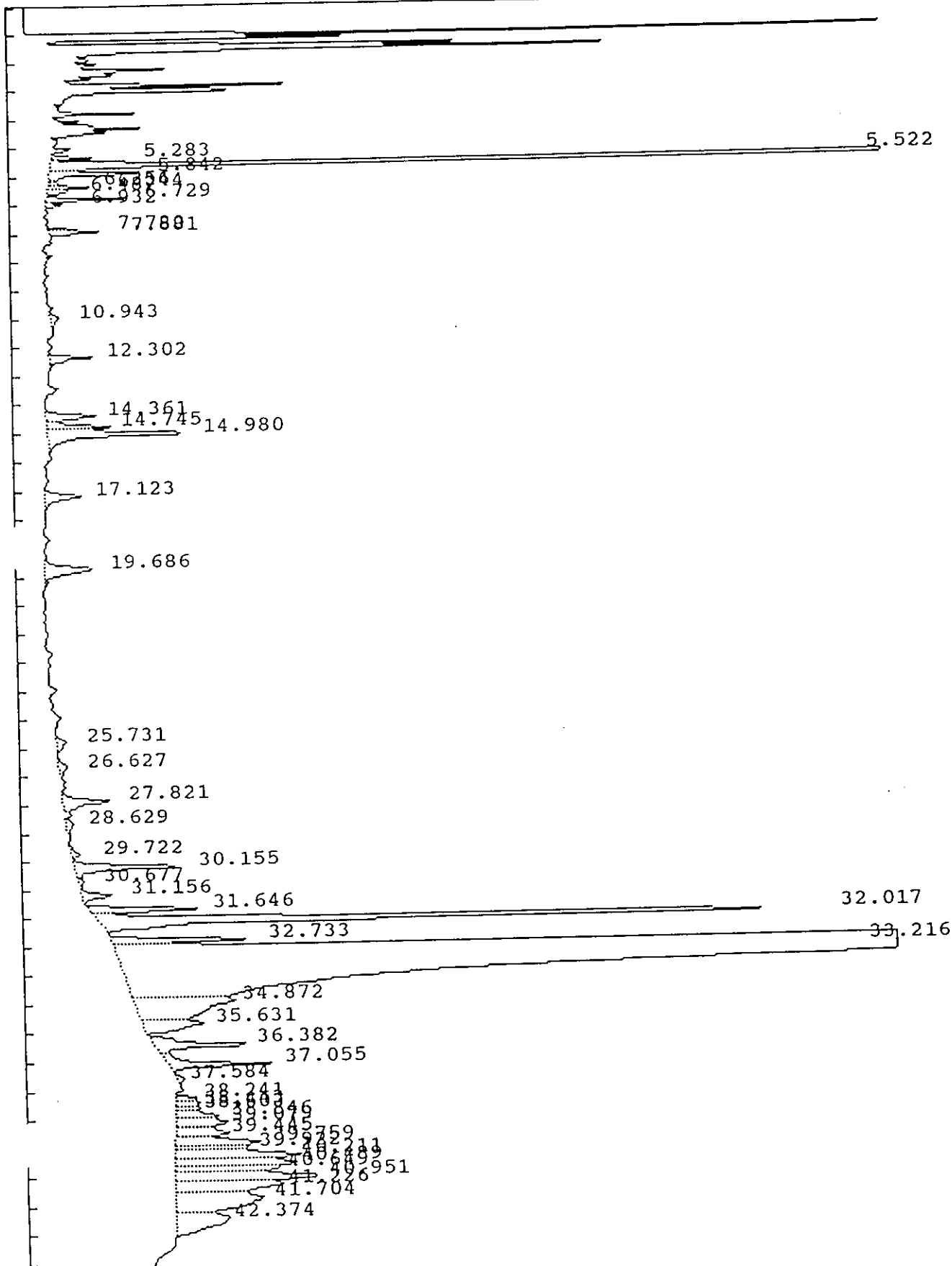
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

IEA Pesticide Standard Report

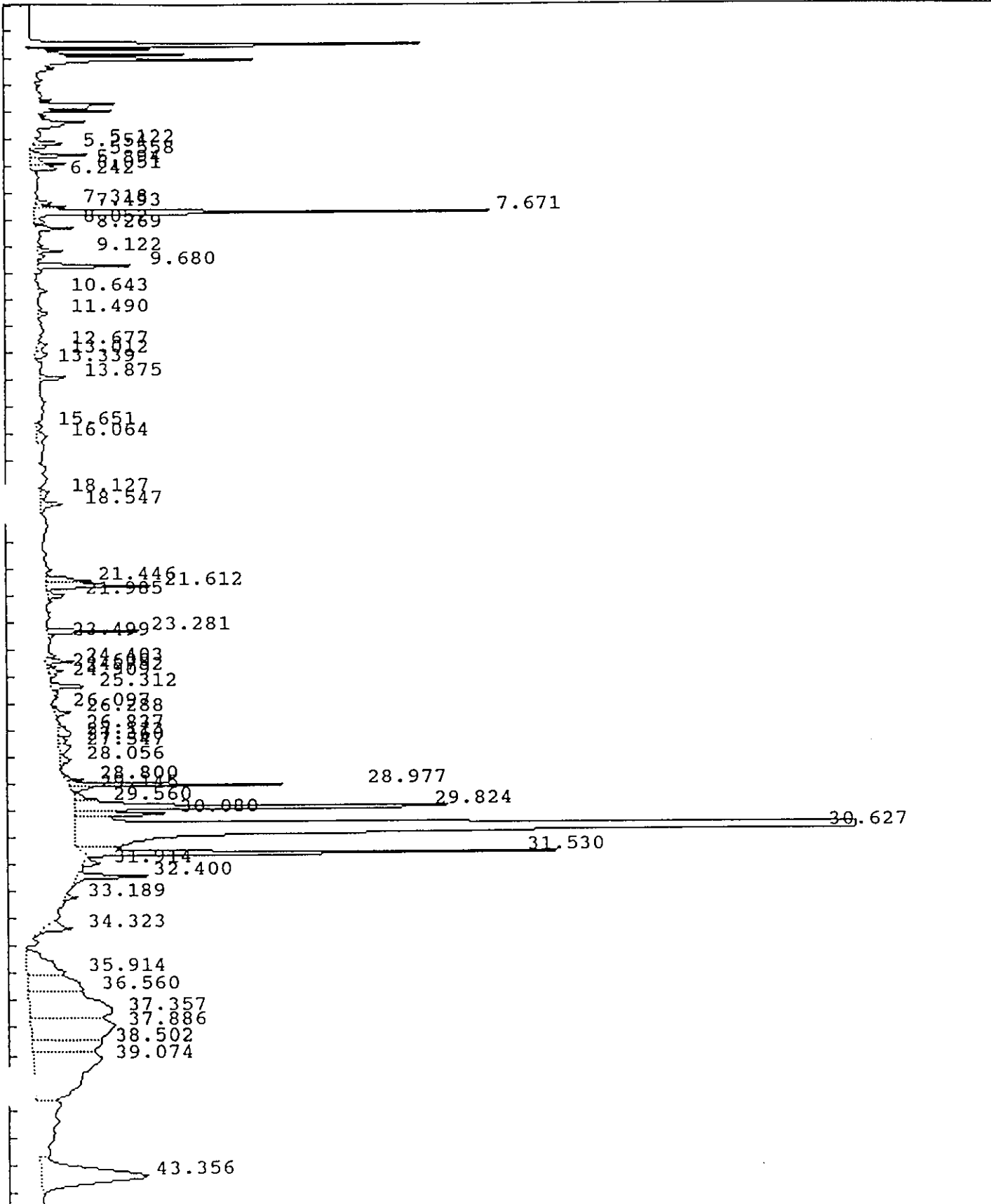
Sample Name : 0210-B05 PBLK00  
Result File : /DATA/LOOP/RESULT/B4116014.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0509 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0210-B05 PBLK00          Inj on 0134 09Mar1993  
Result File : /HP58901B/B1227018.RES          INSTRUMENT: HP58901B  
Column Type : RTX-35 30-Meter,0.53mm ID          Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0210-B05 PBLK00 Report No : 68.20  
 Result File : /DATA/LOOP/RESULT/B4116014.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0509 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 14 Bottle no. : 14

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline  
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.28		.059370	25379	BV	0.0000	
2	5.52		.076171	1023634	VV	0.0000	
3	5.84		.100816	84363	VV	0.0000	
4	6.26		.073085	8635	VV	0.0000	
5	6.34		.077877	26752	VV	0.0000	
6	6.49		.086399	13679	VV	0.0000	
7	6.73		.077877	49671	VV	0.0000	
8	6.93		.081087	11746	VB	0.0000	
9	7.78		.071775	15784	BV	0.0000	
10	7.88		.097853	35475	VV	0.0000	
11	10.94		.294579	16859	PB	0.0000	
12	12.30	12.26	.136402	43282	PV	.0263	Heptachlor
13	14.36		.190379	62650	BV	0.0000	03/11/93 Bla
14	14.75		.161026	68141	VV	0.0000	
15	14.98		.194873	189970	VV	0.0000	
16	17.12		.237960	57541	BB	0.0000	
17	19.69		.303307	94126	BB	0.0000	
18	25.73		.291406	17926	BB	0.0000	
19	26.63		.367875	20978	BV	0.0000	
20	27.82		.247571	77438	VV	0.0000	
21	28.63		.326229	17712	VV	0.0000	
22	29.72		.223918	13537	PV	0.0000	
23	30.16		.190567	135748	VV	0.0000	
24	30.68		.193472	6999	VV	0.0000	
25	31.16		.216563	42646	VB	0.0000	
26	31.65		.165572	122599	BV	0.0000	
27	32.02		.166953	822263	VB	0.0000	
28	32.73		.140221	135617	BV	0.0000	
29	33.22		.332976	18773108	VV	0.0000	J&C
30	34.87		.528582	347709	VV	0.0000	
31	35.63		.326166	129754	VB	0.0000	
32	36.38		.206644	139643	BV	0.0000	
33	37.06		.178674	125170	VB	0.0000	
34	37.58		.212781	10899	BV	0.0000	
35	38.24		.158981	21446	BV	0.0000	
36	38.44		.187959	28755	VV	0.0000	
37	38.60		.142369	21439	VV	0.0000	
38	38.85		.194889	54614	VV	0.0000	



## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
39	39.08		.276693	93946	VV	0.0000	
40	39.44		.246111	84288	VV	0.0000	
41	39.76		.243445	132486	VV	0.0000	
42	39.92		.138962	64906	VV	0.0000	
43	40.21		.267886	216161	VV	0.0000	
44	40.49		.236405	183924	VV	0.0000	
45	40.65		.169036	112064	VV	0.0000	
46	40.95		.268910	247748	VV	0.0000	
47	41.23		.331365	228854	VV	0.0000	
48	41.70		.525977	296808	VV	0.0000	
49	42.37		.543486	190340	VB	0.0000	

Total Area : 24745208 Total PPB : .026

Report Time : 2037 04Mar1993  
Method : /DATA/LOOP/METHOD/B4116\_014.MT  
Result File : /DATA/LOOP/RESULT/B4116014.RES

## IEA Pesticide Standard Report

Sample Name : 0210-B05 PBLK00 Report No : 190.11  
 Result File : /HP58901B/B1227018.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0134 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1227.SEQ  
 Subseq/Sample : 1/ 18 Bottle no. : 18

% Dil-Fact  
 100.00

Run Status : EndOffBaseline  
 NoReference  
 SignalOverload

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.12		.069948	97155	BV	0.0000	
2	5.25		.093897	60384	VV	0.0000	
3	5.56		.096658	214582	PV	0.0000	
4	5.89		.102191	151140	VV	0.0000	
5	6.05		.086691	109060	VV	0.0000	
6	6.24		.087509	13665	PV	0.0000	
7	7.32		.094090	67734	VV	0.0000	
8	7.49		.079164	103558	VV	0.0000	
9	7.67		.106649	1711013	VV	0.0000	
10	8.05		.097990	47908	VV	0.0000	
11	8.27		.106578	140863	PB	0.0000	
12	9.12		.093764	92009	VV	0.0000	
13	9.68		.110339	373464	PV	0.0000	
14	10.64		.108163	31448	BV	0.0000	
15	11.49		.117934	40046	VB	0.0000	
16	12.68		.189843	66153	BV	0.0000	
17	13.01		.195472	79267	VV	0.0000	
18	13.34		.093257	9812	PV	0.0000	
19	13.87		.116516	108407	BV	0.0000	
20	15.65		.163016	39762	PV	0.0000	
21	16.06		.291238	106414	VV	0.0000	
22	18.13		.242056	80115	VV	0.0000	
23	18.55		.177933	137650	VV	0.0000	
24	21.45		.163606	268142	PV	0.0000	
25	21.61		.110656	416555	VV	0.0000	
26	21.99	22.06	.120252	82892	VV	.0190	<del>delta-BHC</del>
27	23.28	23.26	.090178	294669	BV	.0731	<del>Aldrin</del>
28	23.50		.109083	27510	VB	0.0000	
29	24.40		.098039	96144	VV	0.0000	
30	24.60		.089111	27697	PV	0.0000	
31	24.75		.122691	63329	VV	0.0000	
32	24.91		.103542	26651	VB	0.0000	
33	25.31	25.30	.102235	154579	BV	.0416	<del>Heptachlor epoxide</del>
34	26.10	25.94	.075720	16269	PV	.0047	<del>gamma-Chlordane</del>
35	26.29	26.42	.118130	76447	VB	.0226	<del>alpha-Chlordane</del>
36	26.84		.094493	31127	VV	0.0000	
37	27.11	27.10	.232287	99264	VV	.0321	<del>4,4'-DDE</del>
38	27.36	27.36	.154318	46856	VV	.0149	<del>Dieldrin</del>

03/11/93  
P

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
39	27.55		.273770	118642	VV	0.0000	
40	28.06		.243658	94073	VB	0.0000	
41	28.80	28.82	.120237	81842	BV	.0296	Endosulfan II
42	28.98		.072789	717183	VV	0.0000	
43	29.14		.085405	61518	VV	0.0000	
44	29.56	29.50	.137806	113632	BV	.0498	<del>4,4'-DDT</del>
45	29.82	29.69	.115326	1915509	VV	.9222	<del>Endrin-aldehyde</del>
46	30.08	30.23	.147793	488920	VV	.3080	<del>Endosulfan-sulfate</del>
47	30.63		.322125	18842032	GS	0.0000	DK
48	31.53		.114656	1977787	HS	0.0000	03/11/93
49	31.91		.156011	85336	BV	0.0000	
50	32.40	32.31	.133522	338353	VB	.3042	<del>Methoxychlor</del>
51	33.19		.116629	50642	BV	0.0000	
52	34.32		.204731	182007	BV	0.0000	
53	35.91		.579688	705392	PV	0.0000	
54	36.56		.566011	987291	VV	0.0000	
55	37.36		.822160	2152180	VV	0.0000	
56	37.89		.734385	1959580	VV	0.0000	
57	38.50		.393468	867857	VV	0.0000	
58	39.07		1.276226	2768181	VV	0.0000	
59	43.36		.579309	1964530	VV	0.0000	

Total Area : 42082240 Total PPB : 1.822

Report Time : 1100 11Mar1993  
Method : /DATA/LOOP/METHOD/B1227.MTH  
Result File : /HP58901B/B1227018.RES

ID  
PCB ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.  
**1117**

PBLK06

Lab Name: IEA Contract: \_\_\_\_\_

Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDG No.: Z0148

Matrix: (soil/water) WATER Lab Sample ID: 0211-809

Sample wt/vol: 1000. (g/mL) ML Lab File ID: \_\_\_\_\_

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 02/11/93

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/09/93

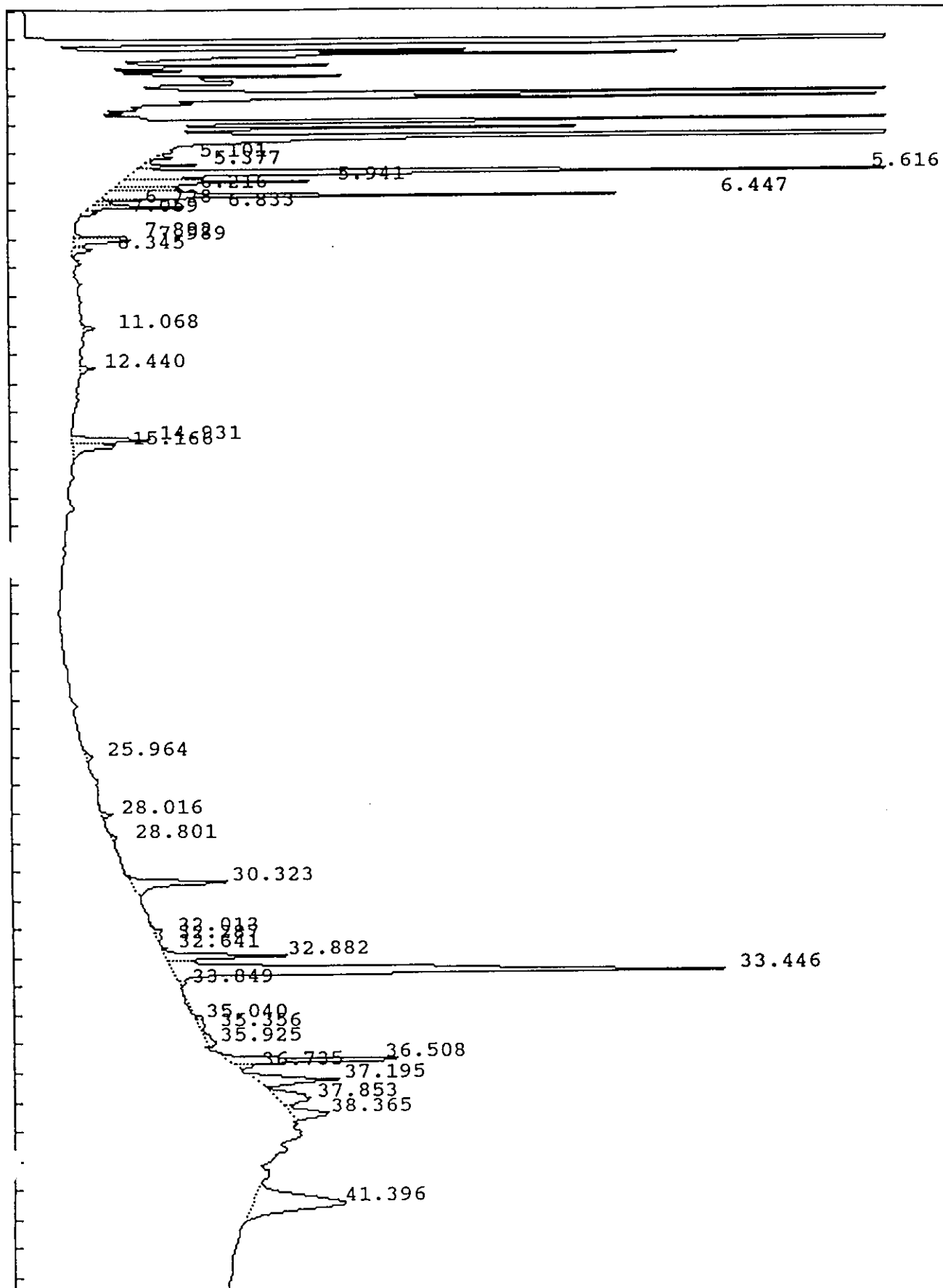
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	0.065	U
11104-28-2-----	Aroclor-1221	0.065	U
11141-16-5-----	Aroclor-1232	0.065	U
53469-21-9-----	Aroclor-1242	0.065	U
12672-29-6-----	Aroclor-1248	0.065	U
11097-69-1-----	Aroclor-1254	0.065	U
11096-82-5-----	Aroclor-1260	0.065	U

## IEA Pesticide Standard Report

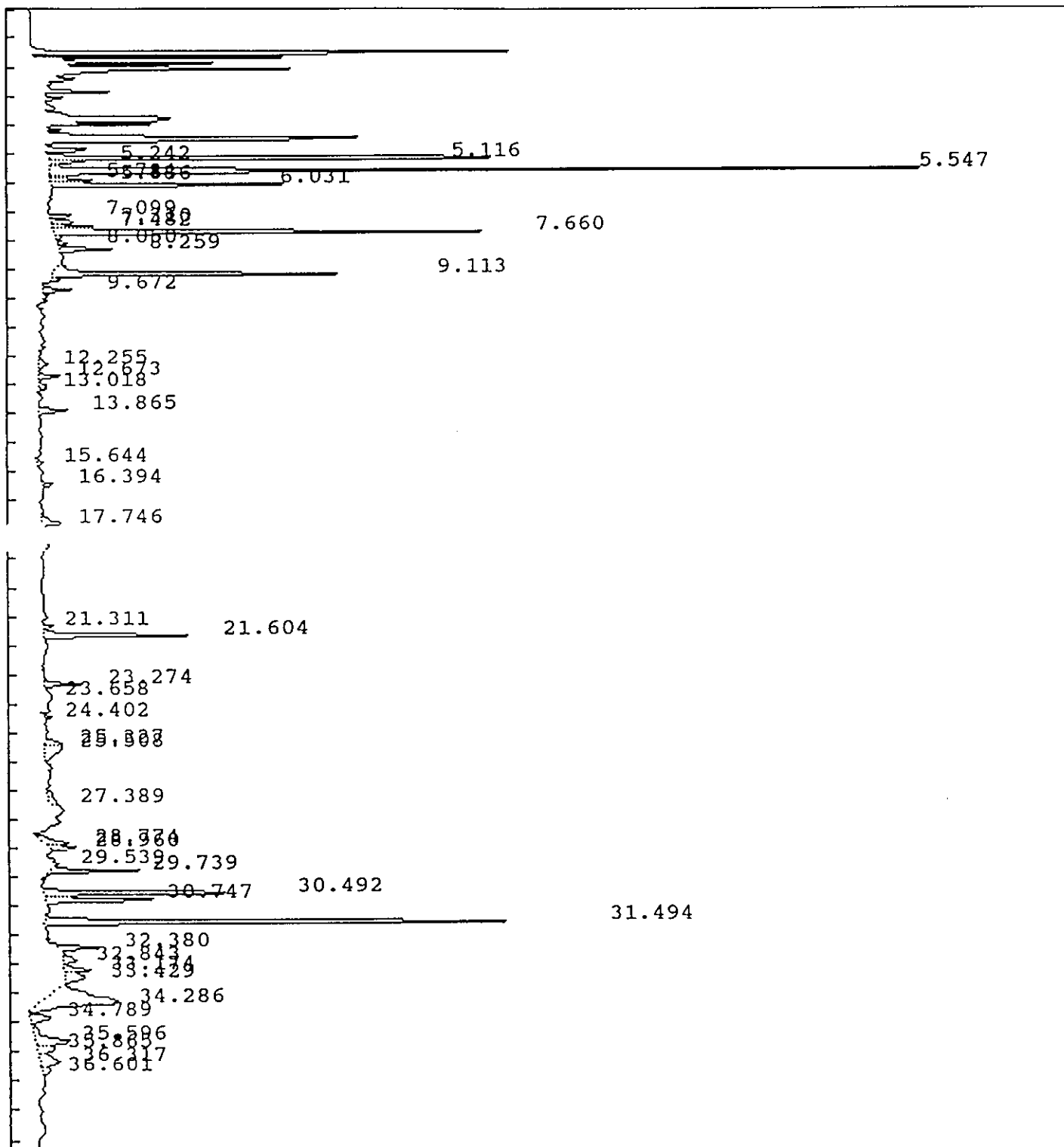
Sample Name : 0211-B09 PBLK076 *Dr 21/1/93*  
Result File : /DATA/LOOP/RESULT/B4118024.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1640 09Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0211-B09 PBLK06 Zn 06 Inj on 0427 10Mar1993  
 sult File : /DATA/LOOP/RESULT/B1228012.RES INSTRUMENT: HP58901B  
 Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0211-B09 PBLK07 06 *03/11/93* Report No : 195.11  
 Result File : /DATA/LOOP/RESULT/B4118024.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1640 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 24 Bottle no. : 24

% Dil-Fact  
100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.10		.065440	8141	PV	0.0000	
2	5.38		.069711	31294	VV	0.0000	
3	5.62		.075563	1030537	VV	0.0000	
4	5.94		.130064	178255	VV	0.0000	
5	6.22		.103693	44293	VV	0.0000	
6	6.45		.087986	382582	VV	0.0000	
7	6.73		.059443	8174	VV	0.0000	
8	6.83		.077476	56894	VV	0.0000	
9	7.06		.073674	8770	VB	0.0000	
10	7.89		.077240	28554	BV	0.0000	
11	7.99		.129580	52341	VV	0.0000	
12	8.34		.118037	18134	VV	0.0000	
13	11.07		.136400	12138	BV	0.0000	
14	12.44	12.40	.135545	14541	BB	.0091	Heptachlor
15	14.93		.157811	83347	BV	0.0000	
16	15.17		.212420	64986	VB	0.0000	
17	25.96		.223962	10751	BB	0.0000	
18	28.02		.108114	7670	BV	0.0000	
19	28.80		.191448	6462	BB	0.0000	
20	30.32		.206308	133734	BB	0.0000	
21	32.01		.109473	7411	BV	0.0000	
22	32.29		.231921	7288	VV	0.0000	
23	32.64	32.70	.113935	5487	PV	.0076	Endosulfan-sulfate
24	32.88		.159045	130020	VV	0.0000	
25	33.45	#33.48	.210865	812056	VV	1.1357	Dibutyl Chlorendate
26	33.85		.155326	7122	VB	0.0000	
27	35.04		.051482	3195	BV	0.0000	
28	35.36		.313389	12110	VV	0.0000	
29	35.92		.376701	25446	VB	0.0000	
30	36.51		.147576	189930	BV	0.0000	
31	36.73		.121101	14448	VB	0.0000	
32	37.19		.216343	121117	BB	0.0000	
33	37.85		.383973	88994	BV	0.0000	
34	38.37		.273949	69849	VB	0.0000	
35	41.40		.538632	321160	BB	0.0000	

Total Area : 3997230 Total PPB : 1.152

Report Time : 1223 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH

Result File : /DATA/LOOP/RESULT/B4118024.RES

1121



## IEA Pesticide Standard Report

Sample Name : 0211-B09 PBLK06 Report No : 217.11  
 Result File : /DATA/LOOP/RESULT/B1228012.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0427 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 12 Bottle no. : 12

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.12		.070637	1700015	BV	0.0000	
2	5.24		.088730	84119	VV	0.0000	
3	5.55		.079743	2616264	VV	0.0000	
4	5.78		.059598	30282	VV	0.0000	
5	5.89		.078680	117912	VV	0.0000	
6	6.03		.076969	745294	VV	0.0000	
7	7.10		.075316	79483	BV	0.0000	
8	7.31		.089376	86452	VV	0.0000	
9	7.48		.083617	120505	VV	0.0000	
10	7.66		.108345	1566291	VV	0.0000	
11	8.05		.075224	34298	PV	0.0000	
12	8.26		.108980	190271	VB	0.0000	
13	9.11		.093684	1051570	BV	0.0000	
14	9.67		.104115	98645	PV	0.0000	
15	12.26		.203042	58775	BV	0.0000	
16	12.67		.121736	88110	PV	0.0000	
17	13.02		.123447	33740	VV	0.0000	
18	13.86		.122998	116617	PV	0.0000	
19	15.64		.124613	28385	PV	0.0000	
20	16.39		.108432	40503	VB	0.0000	
21	17.75		.170017	108453	PV	0.0000	
22	21.31		.097903	35777	PV	0.0000	
23	21.60		.107767	541750	VV	0.0000	
24	23.27	23.28	.100951	132739	PV	.0276	<del>Aldrin</del>
25	23.66		.081352	4377	PV	0.0000	
26	24.40		.089523	26028	PV	0.0000	
27	25.33	25.31	.146874	71679	BV	.0165	<del>Heptachlor epoxide</del>
28	25.51		.365308	187995	VV	0.0000	
29	27.39	27.37	.329184	78010	PB	.0215	<del>Dieldrin</del>
30	28.77	28.83	.195063	174821	PV	.0637	<del>Endosulfan II</del>
31	28.96		.090805	109646	VV	0.0000	
32	29.54	29.52	.174109	24641	BB	.0095	<del>4,4'-DDT</del>
33	29.74	29.71	.088716	281523	BV	.1191	<del>Endrin aldehyde</del>
34	30.49		.102736	752406	BV	0.0000	
35	30.75		.106735	442949	VB	0.0000	
36	31.49	#31.53	.103049	1777593	PB	.7972	<del>Dibutyl Chlorendate</del>
37	32.38	32.33	.137294	192805	BB	.1340	<del>Methoxychlor</del>
38	32.84	32.97	.180431	71282	BV	.0251	<del>Endrin ketone</del>
39	33.17		.144935	121713	VV	0.0000	

03/11/93

Bh

IEA Pesticide Standard Report							Name
%#	RT	ID-tm	Peak Width	Area	Code	PPB	
40	33.43		.248629	152719	VB	0.0000	
41	34.29		.422856	976365	BV	0.0000	
42	34.79		.230978	150141	PV	0.0000	
43	35.60		.278128	297657	VV	0.0000	
44	35.87		.207419	113107	VV	0.0000	
45	36.32		.319144	181128	VV	0.0000	
46	36.60		.228034	55220	VV	0.0000	
47	44.41		.273343	336246	BB	0.0000	
48	45.58		.303305	441957	BV	0.0000	

Total Area : 16728274 Total PPB : 1.214

Report Time : 1500 11Mar1993  
Method : /DATA/LOOP/METHOD/B1228.MTH  
Result File : /DATA/LOOP/RESULT/B1228012.RES

PCB ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO.

PELX07

1124

Lab Name: IKA

Contract: \_\_\_\_\_

Lab Code: 184

Case No.: 0148

SAS No.: \_\_\_\_\_

SDB No.: Z0148

Matrix: (soil/water) WATER

Lab Sample ID: 0211-809 ACID *clw*

Sample wt/vol: 1000. (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_

Date Extracted: 02/11/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 03/09/93

SPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Dilution Factor: 1

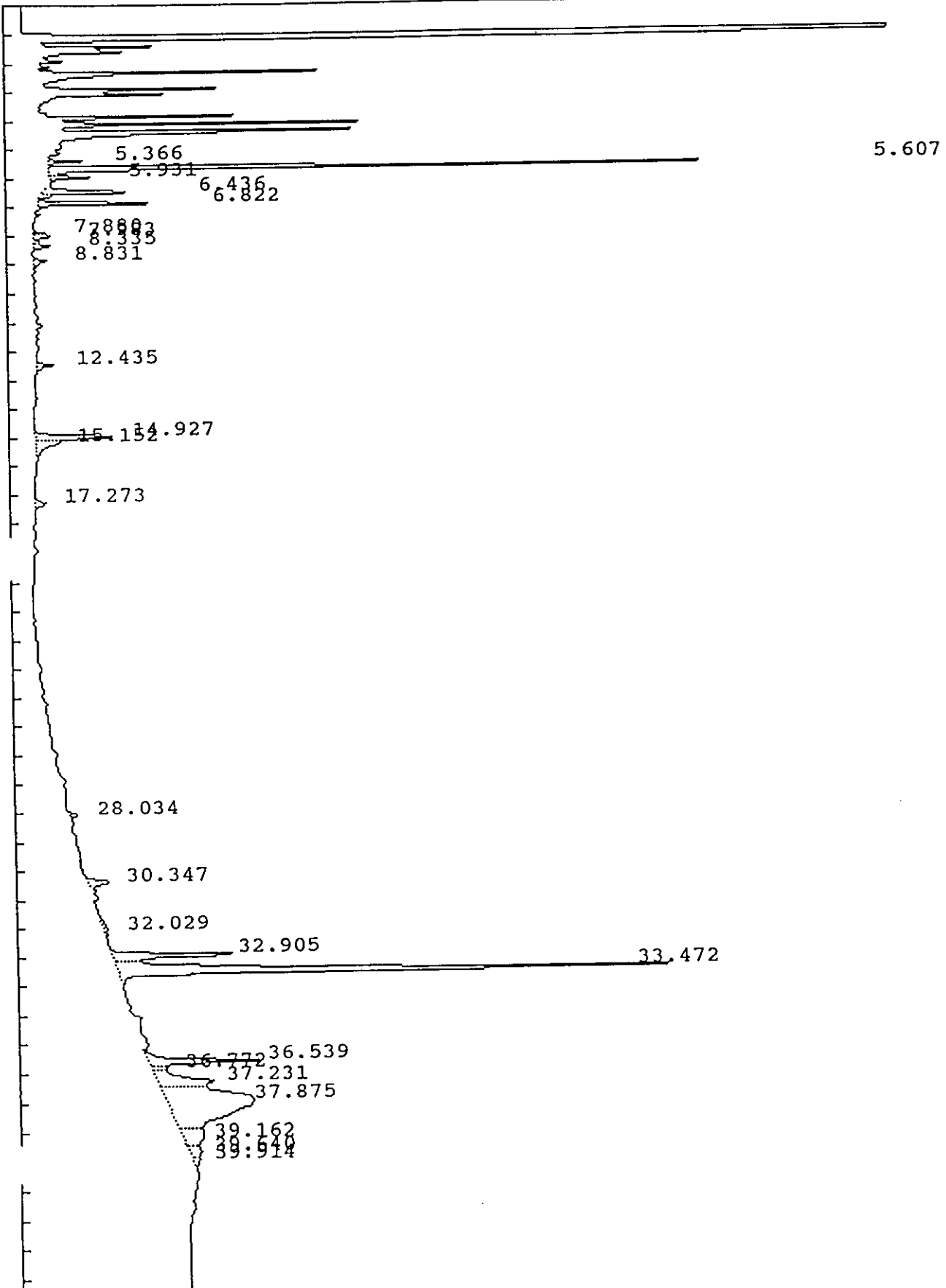
CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	g
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.065	U

IEA Pesticide Standard Report

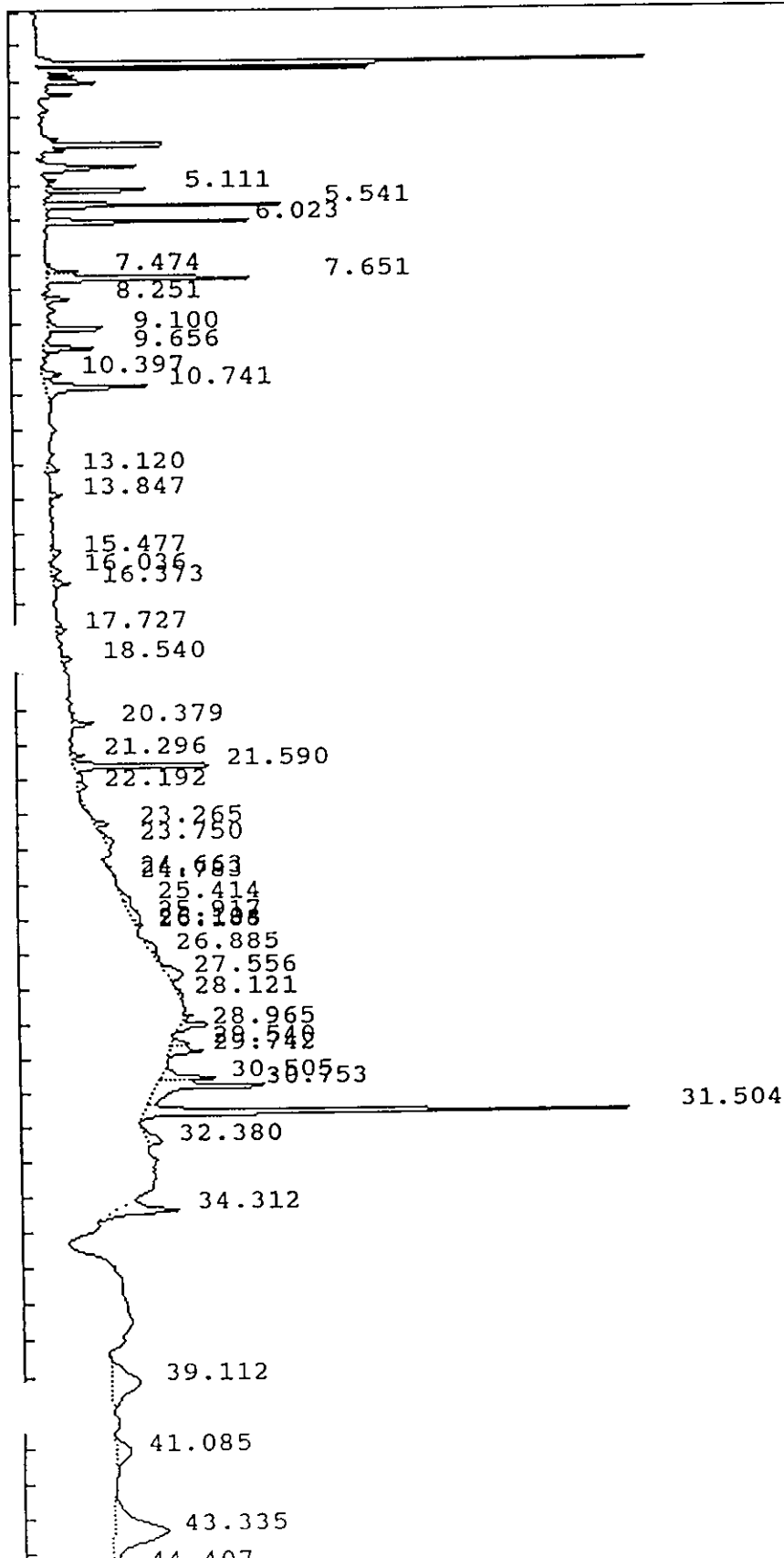
Sample Name : 0211-B09 PBLK07 AC/U  
Result File : /DATA/LOOP/RESULT/B4118025.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1733 09Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0211-B09 PBLK07 A/CU Inj on 0614 10Mar1993  
Result File : /DATA/LOOP/RESULT/B1228014.RES INSTRUMENT: HP58901B  
column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0211-B09 PBLK07 AC/U Report No : 196.01  
 Result File : /DATA/LOOP/RESULT/B4118025.RES Inj. Vol. : 1 ul  
 Column Type : DB-1701 30 Meter, 0.53mm ID  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1733 09Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4118.SEQ  
 Subseq/Sample : 1/ 25 Bottle no. : 25

% Dil-Fact  
100.00

Run Status : RunStatusOK  
EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.37		.061952	16906	BV	0.0000	
2	5.61		.073705	408535	PV	0.0000	
3	5.93		.079078	26080	VB	0.0000	
4	6.44		.091583	71126	BV	0.0000	
5	6.82		.079868	79197	PV	0.0000	
6	7.88		.073743	6340	BV	0.0000	
7	7.98		.115381	15514	VV	0.0000	
8	8.34		.095353	12527	VB	0.0000	
9	8.83		.147842	13893	BB	0.0000	
10	12.43	12.40	.123278	14261	BB	.0089	Heptachlor
11	14.93		.169292	86718	BV	0.0000	
12	15.15		.221474	35349	VB	0.0000	
13	17.27		.193353	13021	BB	0.0000	
14	28.03		.129429	7839	BV	0.0000	
15	30.35		.195102	27729	BB	0.0000	
16	32.03		.370158	10731	BV	0.0000	
17	32.91		.164792	142470	VV	0.0000	
18	33.47	#33.48	.170385	635890	VB	.8894	Dibutyl Chlorendate
19	36.54		.156239	115855	PV	0.0000	
20	36.77		.139791	14773	VV	0.0000	
21	37.23		.351092	128555	VV	0.0000	
22	37.88		.977034	537399	VV	0.0000	
23	39.16		.502442	68449	VV	0.0000	
24	39.64		.358102	29032	VV	0.0000	
25	39.91		.207525	9130	VV	0.0000	

Total Area : 2527322 Total PPB : .898

Report Time : 1226 10Mar1993  
 Method : /DATA/LOOP/METHOD/B4118.MTH  
 Result File : /DATA/LOOP/RESULT/B4118025.RES

## IEA Pesticide Standard Report

Sample Name : 0211-B09 PBLK07 A/CU Report No : 219.11  
 Result File : /DATA/LOOP/RESULT/B1228014.RES  
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58901B  
 Calculation : ExternalSTD  
 Run Time : 46.50 Mins. Injected on 0614 10Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B1228.SEQ  
 Subseq/Sample : 1/ 14 Bottle no. : 14

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.11		.068778	289685	BV	0.0000	
2	5.54		.079105	551811	PB	0.0000	
3	6.02		.074859	468980	BB	0.0000	
4	7.47		.079879	68613	VV	0.0000	
5	7.65		.108255	638784	VB	0.0000	
6	8.25		.121221	79799	PB	0.0000	
7	9.10		.093600	186116	BV	0.0000	
8	9.66		.117260	145738	BV	0.0000	
9	10.40		.143604	70562	PV	0.0000	
10	10.74		.141521	395281	VB	0.0000	
11	13.12		.144628	50404	VV	0.0000	
12	13.85		.114176	31783	BB	0.0000	
13	15.48		.112368	37029	BV	0.0000	
14	16.04		.172978	45973	PV	0.0000	
15	16.37		.144820	64961	VB	0.0000	
16	17.73		.129355	32754	VV	0.0000	
17	18.54		.156695	37703	VV	0.0000	
18	20.38	20.25	.102132	63229	PV	.0244	<del>beta-BHC</del>
19	21.30		.103381	35807	PV	0.0000	
20	21.59		.110865	498261	VV	0.0000	
21	22.19	22.07	.145013	43647	VB	.0095	<del>delta-BHC</del>
22	23.27	23.28	.080100	32333	BV	.0067	<del>Aldrin</del>
23	23.75		.270705	61912	PB	0.0000	
24	24.66		.039189	2857	PV	0.0000	
25	24.78		.078741	5696	VV	0.0000	
26	25.41	25.31	.272204	52736	BV	.0122	<del>Heptachlor epoxide</del>
27	25.92	25.94	.411855	94209	VV	.0273	<del>gamma-Chlordane</del>
28	26.10		.115734	22866	VV	0.0000	
29	26.19		.088646	15046	VB	0.0000	
30	26.88		.337687	70581	BV	0.0000	
31	27.56	27.37	.438892	186930	VB	.0515	<del>Dieldrin</del>
32	28.12	28.32	.199689	36632	BV	.0151	<del>Endrin</del>
33	28.96	28.83	.079894	76745	BB	.0280	<del>Endosulfan II</del>
34	29.54	29.52	.172172	78068	BV	.0301	<del>4,4'-DDT</del>
35	29.74	29.71	.139808	126858	VB	.0537	<del>Endrin aldehyde</del>
36	30.50		.153123	226670	BV	0.0000	
37	30.75		.157832	544257	VV	0.0000	
38	31.50	#31.53	.108723	1471973	VV	.6601	<del>Dibutyl Chlorendate</del>
39	32.38	32.33	.298304	114555	PB	.0796	<del>Methoxychlor</del>

03/11/93

Jhu

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
0	34.31		.204504	299932	BV	0.0000	
41	39.11		.684353	476330	BV	0.0000	
42	41.08		.508524	182836	PB	0.0000	
43	43.34		.736746	939844	BV	0.0000	
44	44.41		.311511	142865	VV	0.0000	
45	45.13		.445660	191886	VV	0.0000	
46	45.57		.305882	181129	VV	0.0000	

Total Area : 9472658 Total PPB : .998

Report Time : 1504 11Mar1993  
Method : /DATA/LOOP/METHOD/B1228.MTH  
Result File : /DATA/LOOP/RESULT/B1228014.RES



ID  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-45MS **1130**

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: IEA

Case No.: 0148

SAS No.: \_\_\_\_\_

SDB No.: 2048

Matrix: (soil/water) WATER

Lab Sample ID: 0148009MS

Sample wt/vol: 1000. (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 02/10/93

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_

Date Extracted: 02/11/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 03/03/93

BFC Cleanup: (Y/N) N pH: \_\_\_\_\_

Dilution Factor: 1

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

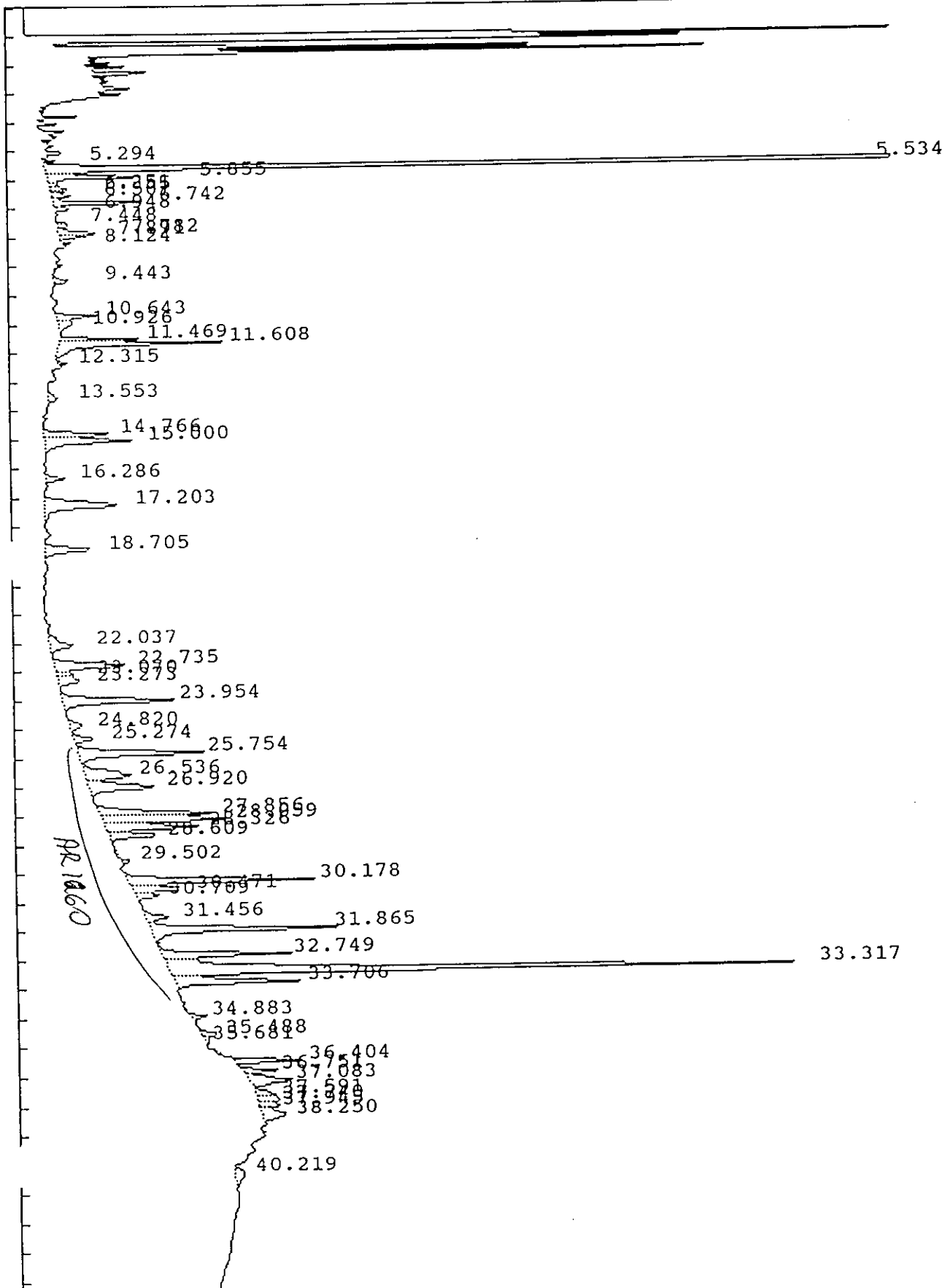
Q

12674-11-2-----	Aroclor-1016	0.065	U
11104-28-2-----	Aroclor-1221	0.065	U
11141-16-5-----	Aroclor-1232	0.065	U
53469-21-9-----	Aroclor-1242	0.065	U
12672-29-6-----	Aroclor-1248	0.065	U
11097-69-1-----	Aroclor-1254	0.065	U
11096-82-5-----	Aroclor-1260	0.17	X

IEA Pesticide Standard Report

Sample Name : 0148009MS MW-45MS  
Result File : /DATA/LOOP/RESULT/B4116042.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0653 03Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148009MS MW-45MS Report No : 96.10  
 Result File : /DATA/LOOP/RESULT/B4116042.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0653 03Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 42 Bottle no. : 42

% Dil-Fact  
100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.29		.061948	6482	PV	0.0000	
2	5.53		.075011	1025304	VV	0.0000	
3	5.85		.096078	79844	VV	0.0000	
4	6.25		.099294	11275	VV	0.0000	
5	6.35		.074773	8905	VV	0.0000	
6	6.51		.090328	13271	VV	0.0000	
7	6.74		.078670	68929	VV	0.0000	
8	6.95		.072547	9507	VB	0.0000	
9	7.45		.083605	5944	BV	0.0000	
10	7.78		.102239	31422	VV	0.0000	
11	7.89		.092545	18813	VV	0.0000	
12	8.12		.064378	5504	PV	0.0000	
13	9.44		.103444	12826	PB	0.0000	
14	10.64		.123753	37315	BV	0.0000	
15	10.93		.249848	22432	VB	0.0000	
16	11.47		.089263	48152	BV	0.0000	
17	11.61		.138239	156768	VV	0.0000	
18	12.32	12.26	.081353	5778	PV	.0035	Heptachlor
19	13.55	13.51	.169672	12543	BB	.0101	Aldrin
20	14.77		.149284	63946	BV	0.0000	
21	15.00		.184355	107192	VB	0.0000	
22	16.29		.144479	17886	BV	0.0000	
23	17.20		.288136	132652	BB	0.0000	
24	18.70		.201977	62191	PV	0.0000	
25	22.04		.272334	41998	BV	0.0000	
26	22.73		.214052	97003	PV	0.0000	
27	23.07	23.16	.171046	18229	VV	.0166	Dieldrin
28	23.27		.210327	29308	VB	0.0000	
29	23.95		.201900	147095	BB	0.0000	
30	24.82		.237228	18871	BV	0.0000	
31	25.27		.176704	21898	VV	0.0000	
32	25.75		.195623	160745	VV	0.0000	
33	26.54		.282032	85371	VV	0.0000	
34	26.92		.247430	102703	VV	0.0000	
35	27.86		.189918	137355	PV	0.0000	
36	28.06		.183885	148802	VV	0.0000	
37	28.33	28.26	.166568	102252	VV	.1258	4,4'-DDD
38	28.61		.165893	55980	VV	0.0000	
39	29.50		.021164	1267	PV	0.0000	
40	30.18		.165387	203834	BV	0.0000	

03/11/93  
JL

## IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB
41	30.47		.164843	56196	VV	0.0000
42	30.71	30.73	.155661	25056	VB	.0316
43	31.46		.185945	27555	BV	0.0000
44	<u>31.86</u>		.167110	<u>210068</u>	VB	0.0000
45	32.75		.154486	<u>133201</u>	BV	0.0000
46	33.32	#33.33	.173048	742955	VV	1.0993
47	<u>33.71</u>		.167602	<u>139422</u>	VB	0.0000
48	34.88		.144907	16291	BB	0.0000
49	35.49		.140511	17004	BV	0.0000
50	35.68		.217186	7580	VB	0.0000
51	36.40		.125574	59548	BB	0.0000
52	36.75		.104567	26110	BV	0.0000
53	37.08		.227308	68410	VB	0.0000
54	37.59		.184214	24204	BV	0.0000
55	37.74		.183904	25854	VV	0.0000
56	37.94		.139585	20133	VV	0.0000
57	38.25		.271804	44130	VV	0.0000
58	40.22		.442039	27006	PV	0.0000

Name

~~Endrin-aldehyde~~02/11/93  
JW

Dibutyl Chlorendate

Total Area : 5008316 Total PPB : 1.287

Report Time : 2217 04Mar1993  
 Method : /DATA/LOOP/METHOD/B4116\_042.MT  
 Result File : /DATA/LOOP/RESULT/B4116042.RES

10  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-40MSD 1134

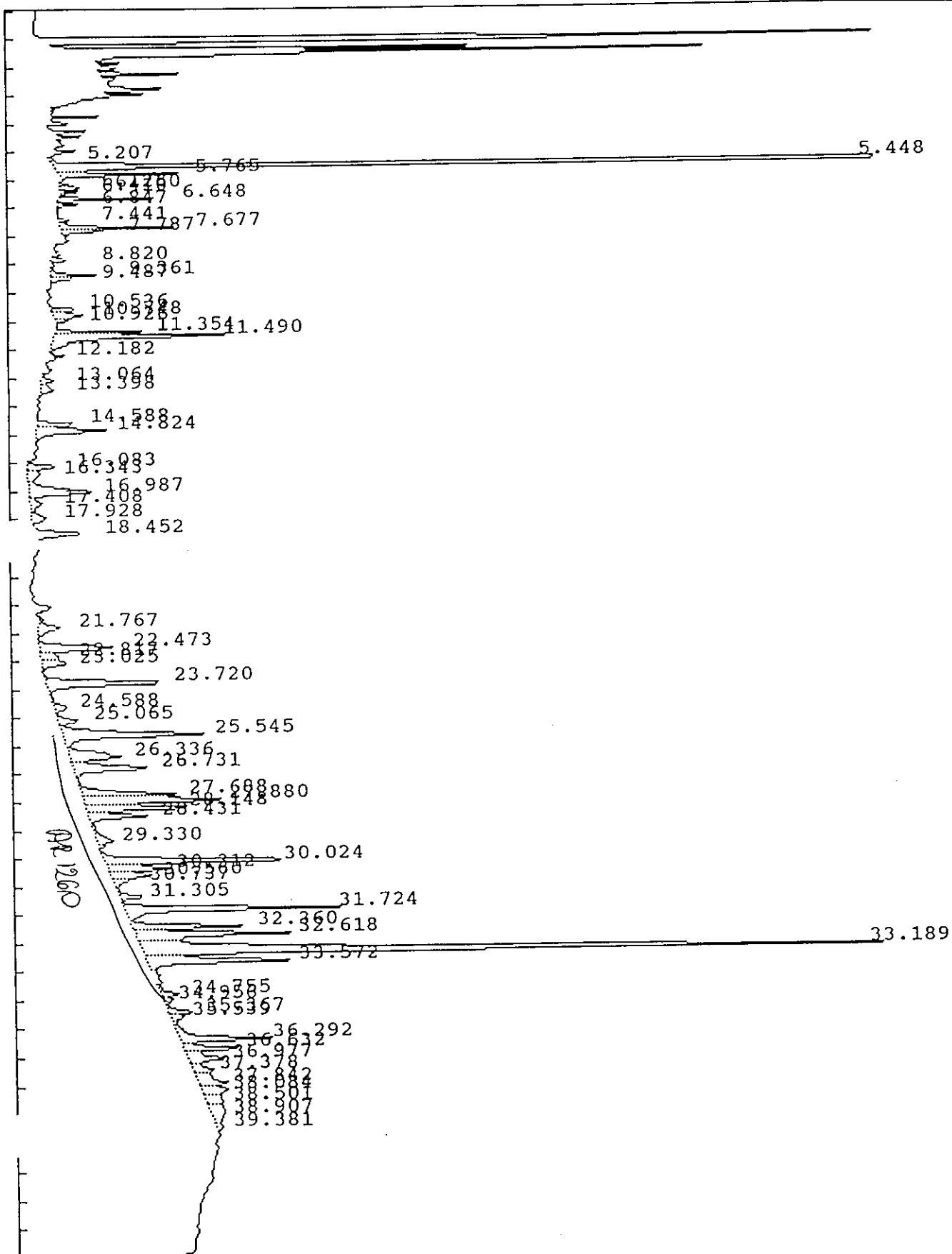
Lab Name: IdA Contract: \_\_\_\_\_  
 Lab Code: 3EA Case No.: 048 SDB No.: \_\_\_\_\_ SDB No.: 20148  
 Matrix: (soil/water) WATER Lab Sample ID: 0149009MSD  
 Sample wt/vol: 1000. (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LOW Date Received: 02/10/93  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 02/11/93  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/03/93  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.065	U
11104-28-2	Aroclor-1221	0.065	U
11141-16-5	Aroclor-1232	0.065	U
53469-21-9	Aroclor-1242	0.065	U
12672-29-6	Aroclor-1248	0.065	U
11097-69-1	Aroclor-1254	0.065	U
11096-82-5	Aroclor-1260	0.21	X

IEA Pesticide Standard Report

Sample Name : 0148009MSD MW-45MSF  
Result File : /DATA/LOOP/RESULT/B4116043.RES  
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0910 03Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148009MSD MW-45MSF Report No : 97.00  
 Result File : /DATA/LOOP/RESULT/B4116043.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 0910 03Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 43 Bottle no. : 43

% Dil-Fact  
 100.00

Run Status : RunStatusOK  
 EndOffBaseline  
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.21		.055303	3710	PV	0.0000	
2	5.45		.072347	1101087	PV	0.0000	
3	5.76		.083260	77241	VB	0.0000	
4	6.18		.080172	7666	PV	0.0000	
5	6.26		.066372	10248	VV	0.0000	
6	6.41		.075687	11314	VV	0.0000	
7	6.65		.071719	50889	PV	0.0000	
8	6.85		.068776	10399	VB	0.0000	
9	7.44		.077253	5501	VV	0.0000	
10	7.68		.092106	74372	VV	0.0000	
11	7.79		.086806	22886	VV	0.0000	
12	8.82		.105391	11598	VV	0.0000	
13	9.36		.108028	34194	PV	0.0000	
14	9.49		.081906	12497	VB	0.0000	
15	10.54		.123479	23497	BV	0.0000	
16	10.75		.149574	29392	VV	0.0000	
17	10.93		.094618	8645	VB	0.0000	
18	11.35		.085953	52444	BV	0.0000	
19	11.49	11.50	.138691	174476	VV	.1313	<del>gamma-BHC (Lindane)</del>
20	12.18		.076715	6835	PV	0.0000	
21	13.06		.137425	11580	PV	0.0000	
22	13.40		.192053	17068	VB	0.0000	
23	14.59		.137423	36286	BV	0.0000	
24	14.82		.169854	78109	VV	0.0000	
25	16.08		.164729	30578	PV	0.0000	
26	16.34		.284652	21273	VV	0.0000	
27	16.99		.258241	102035	VV	0.0000	
28	17.41		.270745	20223	VV	0.0000	
29	17.93		.269829	23380	VV	0.0000	
30	18.45		.204598	62978	VV	0.0000	
31	21.77		.253143	34452	BV	0.0000	
32	22.47	22.38	.216050	99904	PV	.0969	<del>4,4-DDE</del>
33	22.82		.183350	21413	VV	0.0000	
34	23.03		.219248	33563	VV	0.0000	
35	23.72		.203501	156293	PV	0.0000	
36	24.59		.283431	21266	VV	0.0000	
37	25.06		.180162	23897	VV	0.0000	
38	25.55		.226125	205136	VV	0.0000	

03/11/93  
BT

## IEA Pesticide Standard Report

Peak#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
39	26.34		.271706	90404	VV	0.0000	
40	26.73		.234807	110989	VV	0.0000	
41	27.69		.193097	117624	VV	0.0000	
42	<u>27.88</u>		.181425	<u>163366</u>	VV	0.0000	
43	28.15		.166649	<u>115908</u>	VV	0.0000	
44	28.43		.172844	66994	VV	0.0000	
45	29.33	29.35	.282338	31698	VV	.0484	<del>4,4'-DDT</del>
46	<u>30.02</u>		.165267	<u>211996</u>	PV	0.0000	
47	30.31		.174918	73008	VV	0.0000	
48	30.56		.171828	46314	VV	0.0000	
49	30.74		.160465	17885	VV	0.0000	
50	31.30		.168701	28235	VV	0.0000	
51	<u>31.72</u>		.162925	<u>231017</u>	VV	0.0000	
52	<u>32.36</u>		.141808	<u>103398</u>	VV	0.0000	
53	32.62	32.61	.193864	198707	VV	.2651	Endosulfan-sulfate
54	33.19		.168253	838593	VV	0.0000	DBI
55	<u>33.57</u>		.181087	<u>174894</u>	VV	0.0000	
56	34.75		.188165	21572	VV	0.0000	
57	34.96		.176037	11521	VV	0.0000	
58	35.37		.156884	26489	VV	0.0000	
59	35.54		.184997	17667	VV	0.0000	
60	36.29		.168549	104425	VV	0.0000	
61	36.63		.149783	58591	VV	0.0000	
62	36.98		.239147	57754	VV	0.0000	
63	37.38		.229234	30850	VV	0.0000	
64	37.84		.265250	53813	VV	0.0000	
65	38.08		.236122	42200	VV	0.0000	
66	38.50		.352392	37133	VV	0.0000	
67	38.91		.517424	49609	VV	0.0000	
68	39.38		.172847	8258	VV	0.0000	
69	44.79		.284042	8361	PB	0.0000	

Total Area : 5877603 Total PPB : .542

Report Time : 0956 03Mar1993  
Method : /DATA/LOOP/METHOD/B4116.MTH  
Result File : /DATA/LOOP/RESULT/B4116043.RES



1D  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MSB MW-45 **1138**

Lab Name: IEA

Contract: \_\_\_\_\_

Lab Code: 19A

Case No.: 0148

SAS No.: \_\_\_\_\_

SDS No.: 20148

Matrix: (soil/water) WATER

Lab Sample ID: 0148009MSB

Sample wt/vol: 1000. (g/mL) ML

Lab File ID: \_\_\_\_\_

Level: (low/med) LOW

Date Received: 02/10/93

% Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_

Date Extracted: 02/11/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 03/02/93

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

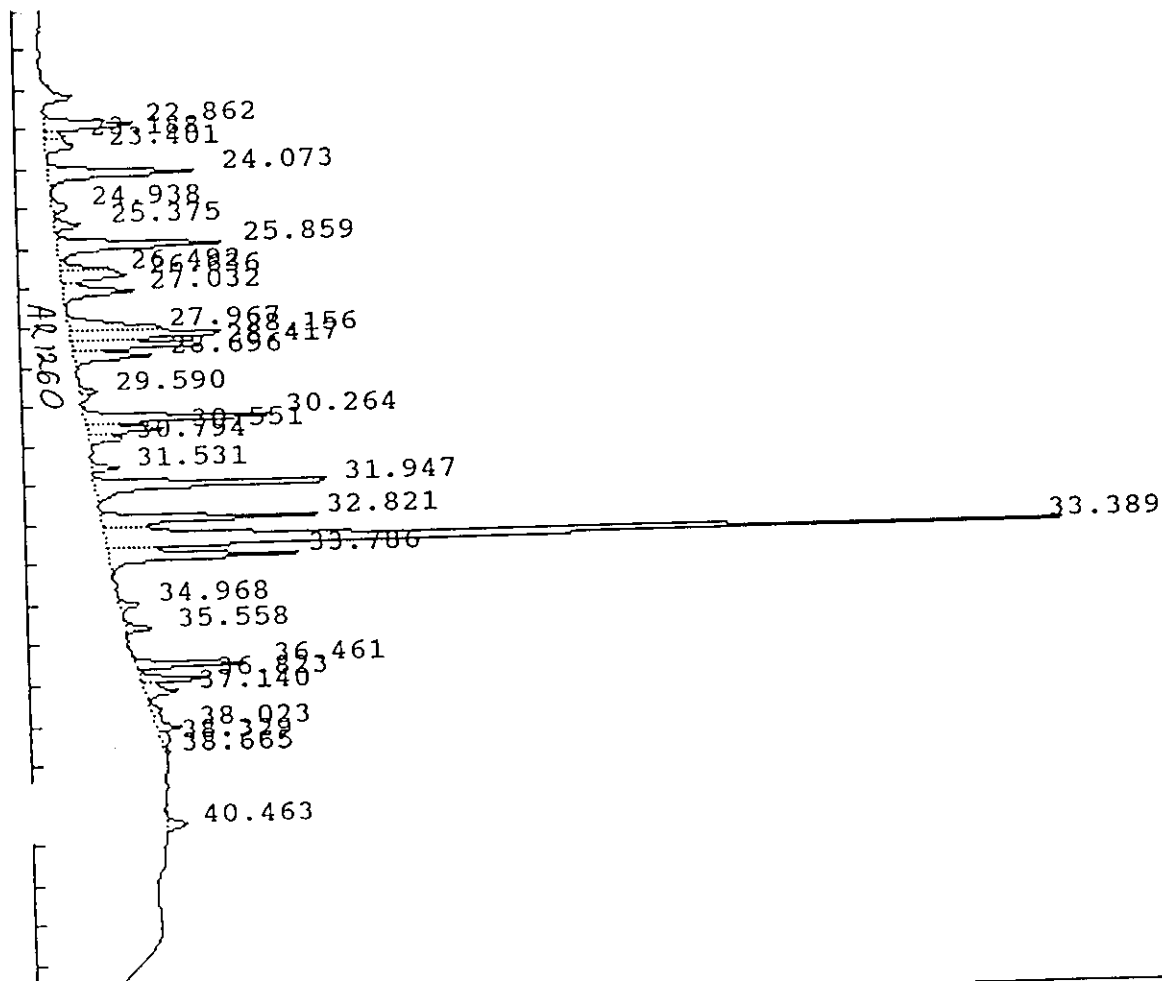
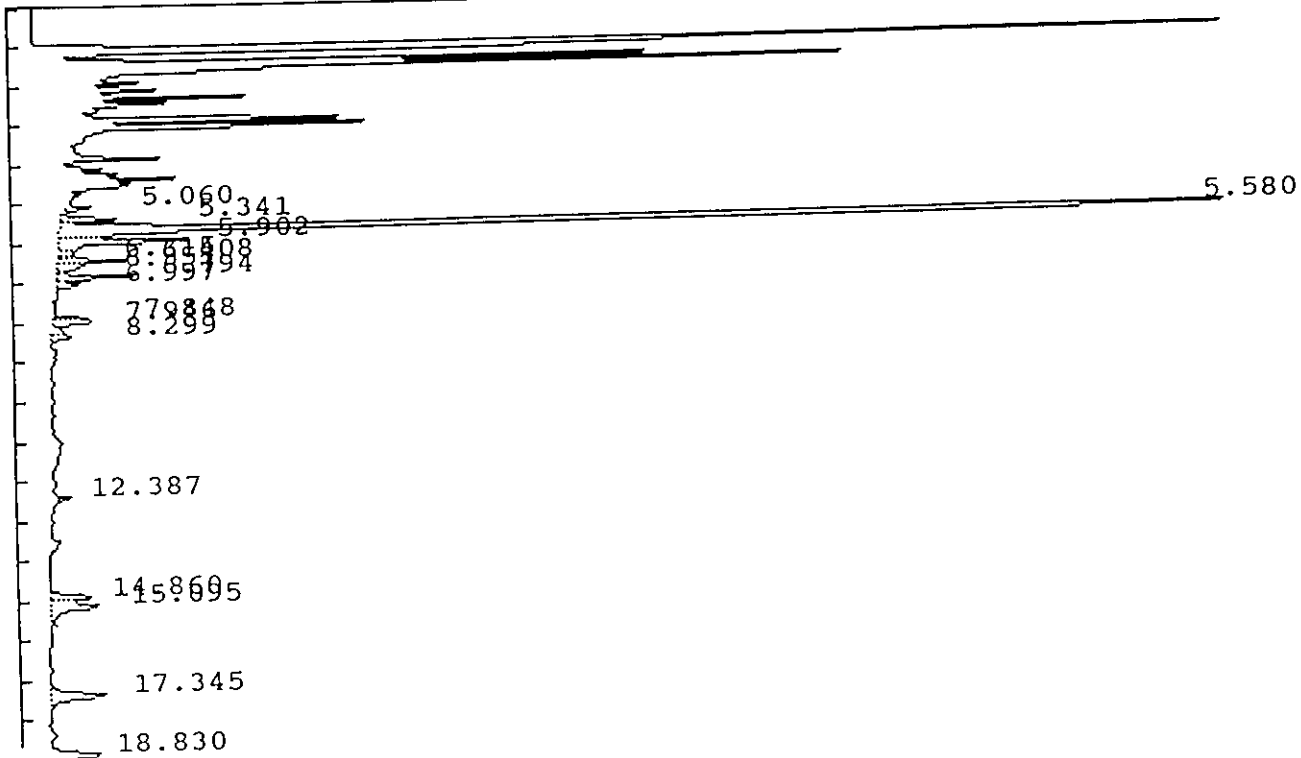
Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	0.065	U
11104-28-2-----	Aroclor-1221	0.065	U
11141-16-5-----	Aroclor-1232	0.065	U
53469-21-9-----	Aroclor-1242	0.065	U
12672-29-6-----	Aroclor-1248	0.065	U
11097-69-1-----	Aroclor-1254	0.065	U
11096-82-5-----	Aroclor-1260	0.18	X

IEA Pesticide Standard Report

Sample Name : 0148009MSB MW-45MSB  
sult File : /DATA/LOOP/RESULT/B4116023.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 1313 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148009MSB MW-45MSB Report No : 77.00  
 Result File : /DATA/LOOP/RESULT/B4116023.RES  
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1313 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 23 Bottle no. : 23

% Dil-Fact  
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.06		.073810	10716	BV	0.0000	
2	5.34		.065619	28977	PV	0.0000	
3	5.58		.075475	934166	VV	0.0000	
4	5.90		.106213	90295	VV	0.0000	
5	6.32		.078220	10726	VV	0.0000	
6	6.41		.077532	31291	VV	0.0000	
7	6.56		.088611	13566	VV	0.0000	
8	6.79		.080479	38114	VV	0.0000	
9	7.00		.080054	13084	VB	0.0000	
10	7.85		.076201	16551	BV	0.0000	
11	7.95		.096808	19289	VV	0.0000	
12	8.30		.109412	13203	VB	0.0000	
13	12.39	12.34	.075560	5975	BB	.0035	Heptachlor
14	14.86		.148867	30784	BV	0.0000	
15	15.10		.192687	46831	VB	0.0000	
16	17.34		.185289	49851	BB	0.0000	
17	18.83		.208188	51063	PV	0.0000	
18	22.86		.206959	86476	BV	0.0000	
19	23.19		.171104	15705	VV	0.0000	
20	23.40	23.33	.202939	27826	VB	.0240	Dieldrin
21	24.07		.204368	142982	BV	0.0000	
22	24.94		.236356	16294	VV	0.0000	
23	25.38		.182109	21549	VV	0.0000	
24	<del>25.86</del>		.200310	160422	VV	0.0000	
25	26.49		.143021	36449	VV	0.0000	
26	26.64		.187579	59325	VV	0.0000	
27	27.03		.210827	71763	VB	0.0000	
28	27.97		.191088	84063	BV	0.0000	
29	<u>28.16</u>		.189860	146566	VV	0.0000	
30	28.42	28.35	.168361	113802	VV	.0846	Endosulfan II
31	28.70		.178125	66846	VB	0.0000	
32	29.59		.141612	13286	BV	0.0000	
33	<u>30.26</u>		.165955	154868	PV	0.0000	
34	30.55		.162948	61798	VV	0.0000	
35	30.79		.154347	27686	VV	0.0000	
36	31.53		.135886	18565	BV	0.0000	
37	<u>31.95</u>		.169746	218675	PV	0.0000	
38	<u>32.82</u>		.165603	176450	VV	0.0000	
39	33.39	#33.44	.171690	802769	VV	1.0724	Dibutyl Chlorendate
40	<u>33.79</u>		.178857	165351	VB	0.0000	

03/11/93  
 JH

## IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
11	34.97		.150104	16428	BB	0.0000	
42	35.56		.135070	20107	BV	0.0000	
43	36.46		.125126	73256	PV	0.0000	
44	36.82		.132718	47124	VV	0.0000	
45	37.14		.201309	34499	VV	0.0000	
46	38.02		.267540	34949	VV	0.0000	
47	38.33		.298846	14188	VV	0.0000	
48	38.67		.136491	3178	VV	0.0000	
49	40.46		.202223	20362	BB	0.0000	

Total Area : 4358095 Total PPB : 1.185

Report Time : 1358 02Mar1993  
Method : /DATA/LOOP/METHOD/B4116.MTH  
Result File : /DATA/LOOP/RESULT/B4116023.RES

1D  
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NW-458TD 1142

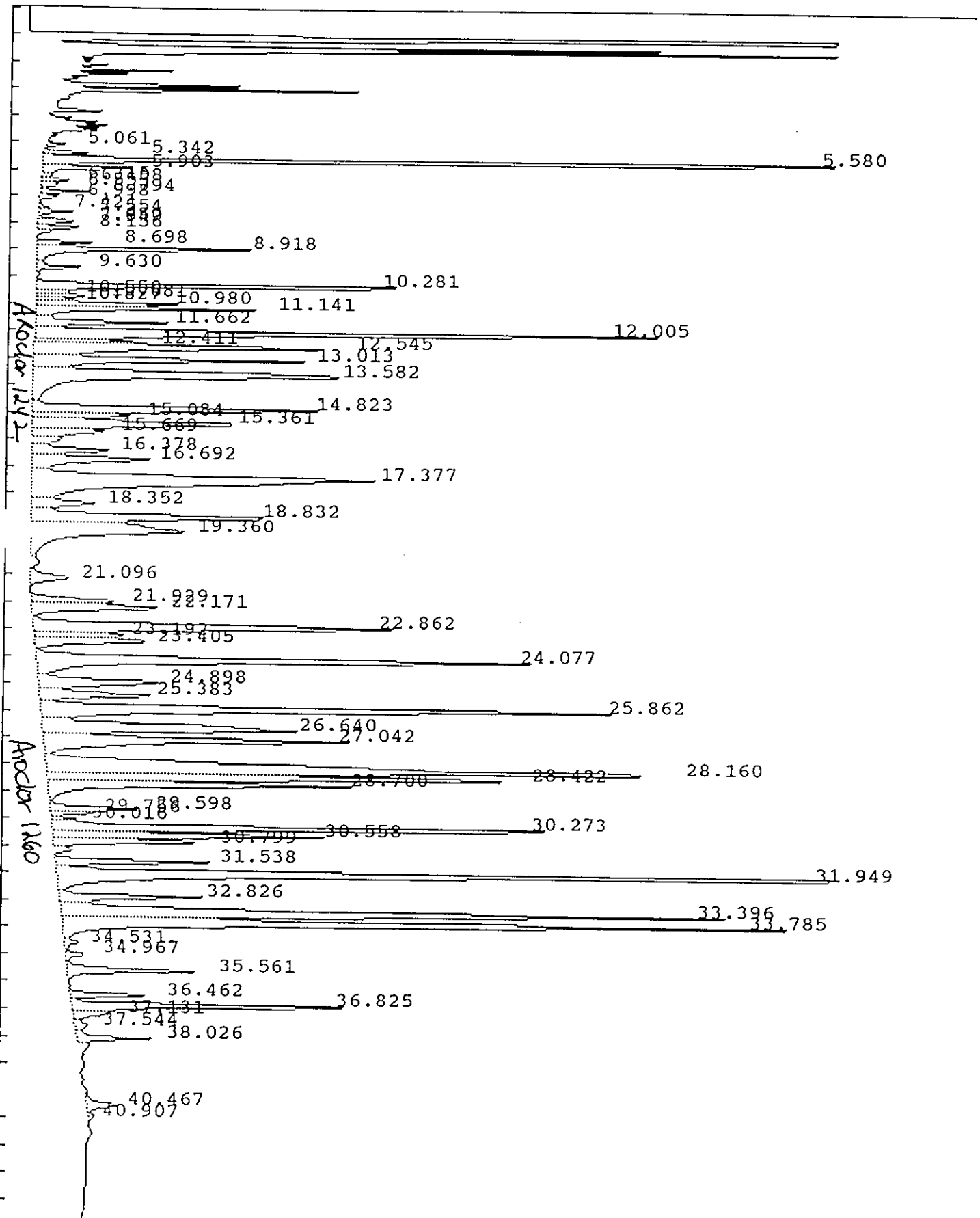
Lab Name: IEA Contract: \_\_\_\_\_  
 Lab Code: IEA Case No.: 0148 SAS No.: \_\_\_\_\_ SDB No.: 20148  
 Matrix: (soil/water) WATER Lab Sample ID: 0148009STD  
 Sample wt/vol: 1000. (g/mL) ML Lab File ID: \_\_\_\_\_  
 Level: (low/med) LDW Date Received: 02/10/93  
 % Moisture: not dec. \_\_\_\_\_ dec. \_\_\_\_\_ Date Extracted: 02/11/93  
 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/02/93  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
12674-11-2-----	Aroclor-1016	0.065	U
11104-28-2-----	Aroclor-1221	0.065	U
11141-16-5-----	Aroclor-1232	0.065	U
83469-21-9-----	Aroclor-1242	0.95	X
12672-29-6-----	Aroclor-1248	0.065	U
11097-69-1-----	Aroclor-1254	0.065	U
11096-82-5-----	Aroclor-1260	1.1	X

IEA Pesticide Standard Report

Sample Name : 0148009STD MW-45STD  
Result File : /HP58904B/B4116024.RES  
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 1406 02Mar1993  
INSTRUMENT: HP58904B  
Inj. Vol. : 1 ul



## IEA Pesticide Standard Report

Sample Name : 0148009STD MW-45STD Report No : 78.01  
 Result File : /HP58904B/B4116024.RES  
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul  
 Instrument : HP58904B  
 Calculation : ExternalSTD  
 Run Time : 45.00 Mins. Injected on 1406 02Mar1993  
 Sequence File : /DATA/LOOP/SEQUENCE/B4116.SEQ  
 Subseq/Sample : 1/ 24 Bottle no. : 24

% Dil-Fact  
100.00

Run Status : RunStatusOK  
EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.06		.074947	11679	BV	0.0000	
2	5.34		.062458	32472	PV	0.0000	
3	5.58		.076402	956260	VV	0.0000	
4	5.90		.103394	88136	VV	0.0000	
5	6.32		.083652	10462	VV	0.0000	
6	6.41		.081745	18622	VV	0.0000	
7	6.55		.093889	15130	VV	0.0000	
8	6.79		.079133	34745	VV	0.0000	
9	7.00		.089573	15504	VV	0.0000	
10	7.42		.101647	6947	VV	0.0000	
11	7.55		.095173	25506	VV	0.0000	
12	7.85		.079836	16857	VV	0.0000	
13	7.95		.098417	27069	VV	0.0000	
14	8.16		.104533	37864	VV	0.0000	
15	8.70		.101681	45780	PV	0.0000	
16	<u>8.92</u>		.128349	<u>228115</u>	VV	0.0000	
17	9.63		.118733	45540	VV	0.0000	
18	<u>10.28</u>		.108047	<u>378012</u>	VV	0.0000	
19	10.55		.098782	25422	VV	0.0000	
20	10.68		.104863	42447	VV	0.0000	
21	10.83		.102546	29026	VV	0.0000	
22	10.98		.102974	127952	VV	0.0000	
23	11.14		.127611	219480	VV	0.0000	
24	11.66		.150870	146727	VV	0.0000	
25	<u>12.00</u>		.159724	<u>773697</u>	VV	0.0000	
26	12.41		.113118	87036	VV	0.0000	
27	<u>12.54</u>		.187162	<u>406080</u>	VV	0.0000	
28	<u>13.01</u>		.170960	<u>335702</u>	VV	0.0000	
29	<u>13.58</u>		.314364	665490	VV	0.0000	
30	<u>14.82</u>		.198471	<u>398282</u>	VV	0.0000	
31	15.08		.158993	108987	VV	0.0000	
32	15.36		.213025	325780	VV	0.0000	
33	15.67		.224402	112172	VV	0.0000	
34	16.38		.188545	105684	VV	0.0000	
35	16.69	16.65	.244408	204301	VV	.2313	delta-BHC
36	17.38		.392753	935521	VV	0.0000	
37	18.35		.248317	109960	VV	0.0000	
38	18.83		.238925	404050	VV	0.0000	
39	19.36		.466254	495369	VV	0.0000	

02/11/93

IEA Pesticide Standard Report

pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	21.10	21.03	.259529	68679	VV	.0544	<del>alpha-Chlordane</del>
41	21.93		.191983	112465	PV	0.0000	
42	22.17	22.26	.237775	212322	VV	.2060	4,4'-DDE
43	22.86		.234163	582559	VV	0.0000	
44	23.19	23.16	.177205	111368	VV	.1013	<u>Dieldrin</u>
45	23.40		.222130	178083	VV	0.0000	
46	24.08		.231308	793815	VV	0.0000	
47	24.90		.266043	221441	VV	0.0000	
48	25.38		.213757	174288	VV	0.0000	
49	<u>25.86</u>		.218322	878381	VV	0.0000	
50	26.64		.291453	517378	VV	0.0000	
51	27.04		.242812	530043	VV	0.0000	
52	<u>28.16</u>	28.22	.287581	1286334	VV	1.0305	<u>Endosulfan II</u>
53	28.42		.176021	590366	VV	0.0000	
54	28.70		.193907	413538	VV	0.0000	
55	29.60		.158239	98673	VV	0.0000	
56	29.76		.118559	36761	VV	0.0000	
57	30.02		.126951	24328	VV	0.0000	
58	<u>30.27</u>		.164530	620565	VV	0.0000	
59	<u>30.56</u>		.162397	313238	VV	0.0000	
60	30.80		.164366	176366	VV	0.0000	
61	31.54		.152998	170427	PV	0.0000	
62	<u>31.95</u>		.184255	1257207	VV	0.0000	
63	32.83		.172325	178151	VV	0.0000	
64	33.40	#33.33	.217205	1020458	VV	1.5099	Dibutyl Chlorendate
65	<u>33.79</u>		.188416	967636	VV	0.0000	
66	34.53	34.55	.196430	20571	VV	.0205	<del>Endrin ketone</del>
67	34.97		.173654	25567	VV	0.0000	
68	35.56		.161484	159053	VV	0.0000	
69	36.46		.136130	77055	PV	0.0000	
70	36.82		.153837	319327	VV	0.0000	
71	37.13		.180116	46168	VV	0.0000	
72	37.54		.239539	21950	VV	0.0000	
73	38.03		.155191	84247	VV	0.0000	
74	40.47		.234930	55230	VV	0.0000	
75	40.91		.194287	9034	VB	0.0000	

03/11/93  
Bw

Total Area : 20406940 Total PPB : 3.154

Report Time : 1239 10Mar1993  
Method : /DATA/LOOP/METHOD/B4116.MTH  
Result File : /HP58904B/B4116024.RES



ORGANIC EXTRACTION LOG  
AQUEOUS/SOLID MATRIX

IEA  
00 MONROE TURNPIKE  
CT 06468 (203) 452-8200

LID PCB L.W.-LEVEL (2/82)  
M/M/MSD 0148004 MS/MSD

Resident H2O Lot 0211153

Acetone Lot 913023  
Hexane Lot 051042742A

Alumina Lot 051042742A

Hexane Lot 051042742A

Extraction Date 02/11/93

Finish Date 02/12/93

1800 Surrogate Code 6212342185014

Spike Code 0211153

Reviewed by [Signature]

Client	Lab ID	Sign out coc	CL2 res	Init pH H2O	Init Wt/Net	Sample Color & Texture	Surr Init	Spike Init	Ext Method	Ext BY	C/N	Int Conc	Vf ml	Color of EXT	Conc/ Scored By	pH	Tare wt	Net wt	Dry wt	X Solids	Location		Surr Scrn	Comments		
																					Tray	Slot				
LANK	0211-808	N/A	Neq	Neutr	1000L	CLSM	PB	HA	Self	PB	AL	WA	1.0	CLAR	ITAM						32	IV	6F	06		
	0211-809																								07	SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148009 MSB																									SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148009 MSX																									SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148009 SIA																									SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
ROUX	0148009	PB			975	CLAR																				SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148009 MS				1000																					SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148009 MSO																									SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148010				985	CLAR																				SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148011				980	CLAR																				SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148012				1000	BRN																				SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148013				980	CLAR																				SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148014				1000	CLAR																				SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148016																									SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148017																									SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148018				975																					SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148019				990																					SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148020				980																					SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148021					BRN																				SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148023					CLAR																				SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)
	0148024					CLAR																				SPKSP WITH 100µL OF A. 1260 SPKINS (Soln. Cont. 1/4)

IEA  
MONROE TURNPIKE  
T 06468 (203) 452-8200

88 L L L 10 PCB

Me12 Lot BE 223

Alumina Lot  
Florissil Lot

PB - Pamela Bachman

ORGANIC EXTRACTION LOG  
AQUEOUS/SOLID MATRIX

Reagent H2O Lot  
Acetone Lot  
Me2SO4 Lot

R.W. 0208:93

H2SO4 Lot  
NaOH Lot

Page # 1761

Extraction Date 02/10/93  
Finish Date 1/11/93  
Surrogate Code C-123456789  
Spike-code  
Reviewed By J.S.H.

Client	Lab ID	Sign out COC	DL2 res	Init pH H2O	Init Wt/Vol	Sample Color & Texture	Surr Init	Spike Init	Ext Method	Ext By	C/U	Int Conc	Vf	Color of Ext	Conc/ Scored By	X Solids Date			Location			Comments			
																Tare Wt	Met Wt	Dry wt	X Solids	Fir	Tray		Slot		
JK	0210505	N/A	NO	NEUT	1000	Clear	015	N/A	Sepr	PB	A1	N/A	1.0ml	Clear	mc	32	VI	6D	00						
	020506																							01	
JX	0048001	PB				Pink																		6D	
	002					green																			
	003					Clear																			
	004				975																				
	006																								
	008					P80M1																			6E

MADE IN MEXICO Wilson Jones Company Chicago, Illinois

**NYSDEC 91 PROTOCOLS  
PCB'S**

CLIENT:  
PROJECT ID:  
SDG.#  
IEA ID:

ROUX ASSOCIATES  
AMTRAK SUNNYSIDE  
Z0148  
30930-0148

+ OIL 2F  
SOIL PESTICIDE SURROGATE RECOVERY

1149

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0148

SAS No.:

SDG No.: Z0148

GC Column(1): DB-1701

ID: 0.53 (mm)

GC Column(2): RTX-35

ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK02	77	82	63	64			0
02	PBLK05	87	84	68	59*			1
03	MW36MSB	74	83	61	62			0
04	MW36STD	95	86	69	64			0
05	MHS3DL	0D	0D	0D	0D			0
06	MHS3	0D	0D	0D	0D			0
07	MW36	0*	0*	84	76			2
08	MW36MS	0*	0*	37*	272*			4
09	MW36MSD	0*	0*	82	160*			3
10	MW36DL	312D	359D	408D	56D			0
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY  
QC LIMITS

TCX = Tetrachloro-m-xylene  
DCB = Decachlorobiphenyl

(60-150)  
(60-150)

# Column to be used to flag recovery values  
\* Values outside of QC limits  
D Surrogate diluted out