



March 10, 1993

Mr. Harry Gregory
Roux Associates
775 Park Avenue, Suite 255
Huntington, NY 11743

Dear Mr. Gregory:

Please find enclosed the analytical results of 1 aqueous, 2 oil and 10 soil samples received at our laboratory on January 27, 1993. This report contains sections addressing the following information at a minimum:

- . sample summary
- . analytical methodology
- . state certifications
- . definitions of data qualifiers and terminology
- . analytical results
- . chain-of-custody

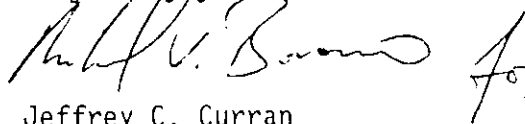
IEA Report #30930-0060A	Purchase Order #05526.Y
Project ID: Amtrak Sunnyside	

Copies of this analytical report and supporting data are maintained in our files for a minimum of five years unless special arrangements have been made. Unless specifically indicated, all analytical testing was performed at this laboratory location and no portion of the testing was subcontracted.

We appreciate your selection of our services and welcome any questions or suggestions you may have relative to this report. Please contact your customer service representative at (203) 261-4458 for any additional information. Thank you for utilizing our services; we hope you will consider us for your future analytical needs.

I have reviewed and approved the enclosed data for final release.

Very truly yours,



Jeffrey C. Curran
Laboratory Manager

JCC/mt

cc: J. Harry

30930-0060A
ROUX ASSOCIATES
SAMPLE SUMMARY

Client ID	Lab ID	Matrix	Date Collected	Date Received
S-104	0060019	Soil	01/25/93	01/27/93
CS-6	0060020	Soil	01/25/93	01/27/93
S-107	0060021	Soil	01/25/93	01/27/93
S-108	0060022	Soil	01/25/93	01/27/93
S-105	0060023	Soil	01/25/93	01/27/93
S-106	0060024	Soil	01/25/93	01/27/93
CS-83	0060025	Soil	01/25/93	01/27/93
CS-76	0060026	Soil	01/26/93	01/27/93
CS-1	0060027	Soil	01/26/93	01/27/93
CS-64	0060028	Soil	01/26/93	01/27/93
FB	0060029	Liquid	01/26/93	01/27/93
MW-7	0060030	Oil	01/26/93	01/27/93
FILL CAP	0060031	Oil	01/26/93	01/27/93

PROJECT SUMMARY

The client requested the samples be analyzed for the parameters listed in Table 1.0.

METHODOLOGY

Polychlorinated biphenyls (PCB's) were determined using GC/ECD. The instrumentation used was a HP Model 5890 gas chromatograph equipped with an electron capture detector (Ni⁶³).

Petroleum Hydrocarbon Scan - Samples were initially dried with sodium sulfate and then extracted with freon. The extract was then injected into a gas chromatograph equipped with a capillary column and flame ionization detector. Elution patterns were compared with those of gasoline, kerosene, diesel fuel, residual oil, #2 fuel oil, #4 fuel oil and #6 fuel oil.

The analyses were conducted according to NYSDEC '91 ASP Protocols.

DISCUSSION

Extractions - An evaporation test was done on samples CS-6, CS-76, CS-1 and CS-64 before the soil samples were placed onto the GPC for cleanup to determine if the residual would be greater than 0.01 g. Samples CS-1 and CS-64 needed to be split into two 5 mL fractions and brought to 10 mLs with methylene chloride.

The unspiked aliquot of sample S-107 was extracted before QC was requested on that sample. The MS/MSD/MSB/STD were extracted on 02/01/93 which was within holding time.

PCB's - Samples S-104, CS-6, S-107, S-107 MS, S-107 MSD, CS-83, CS-76, CS-1, S-108, S-105, S-106, MW-7 and FILL CAP required dilutions due to high concentrations of aroclors.

Samples CS-6, CS-83 and CS-76 were confirmed by GC/MS.

Sample MW-7 required a 1:1,000 dilution due to a high concentration of aroclor 1254. This sample was inadvertently not analyzed at the required 1:100 dilution.

At the time of analysis it was thought that the samples only contained aroclor 1260, therefore only aroclor 1660 was analyzed as a continuing calibration standard on the DB-1701 column.

All aroclors required for the 72-hour pattern confirmation were analyzed on the RTX-35 column.

Because of the very high concentration of aroclor 1260 in sample S-107 and the dilution required, the spike percent recovery could not be calculated.

All samples with a dilution factor of 100 or higher had surrogates diluted out.

DCB was below the advisory QC limits in method blanks PBLK79, PBLK71, PBLK80 and sample FB on column 1 and in samples S-107 STD and MSB-S-107 on column 2.

TCX was below advisory QC limits in sample MSB-S-107 on column 2.

Samples CS-83, CS-1, S-108 and FILL CAP exceeded the advisory QC limits because of interference with aroclors.

Petroleum Hydrocarbon Scan - Samples MW-7 and FILL CAP were diluted because of high concentrations of hydrocarbons. The client requested the hydrocarbon concentrations be calculated based upon diesel.

Sample FILL CAP quantitated to be 100 percent hydrocarbons based upon the diesel calibration factor.

RESULTS

The results are presented in the following Tables. Also enclosed are the data packages containing all relevant data.

TABLE 1.0
30930-0060A
ROUX ASSOCIATES
ANALYTICAL REQUESTS

<u>Sample Identification</u>	<u>Requested Parameters</u>
S-104, CS-6, S-107, S-108, S-105, S-106, CS-83, CS-76, CS-1, CS-64, FB	PCB's
MW-7, FILL CAP	PCB's, petroleum hydrocarbon scan

TABLE 2.0
30930-0060A
ROUX ASSOCIATES
POLYCHLORINATED BIPHENYLS (PCB'S)

Aqueous

All values are ug/L.

Sample Identification

Dilution Factor

1.0 1.02

Method Blank I.D.

PBLK79 PBLK79

Compound

Method FB
Blank 012693

Quantitation
Limits with no
Dilution

PCB - 1016	U	U	1.0
PCB - 1221	U	U	2.0
PCB - 1232	U	U	1.0
PCB - 1242	U	U	1.0
PCB - 1248	U	U	1.0
PCB - 1254	U	U	1.0
PCB - 1260	U	U	1.0

U - See Appendix for definition.

Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 2.1
30930-0060A
ROUX ASSOCIATES
POLYCHLORINATED BIPHENYLS (PCB'S)

All values are ug/Kg.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>10.0</u>	<u>100.0</u>	<u>1,000.0</u>	
<u>Method Blank I.D.</u>	<u>PBLK12</u>	<u>PBLK12</u>	<u>PBLK12</u>	<u>PBLK12</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>FILL CAP</u>	<u>FILL CAP DL</u>	<u>MW-7 DL</u>	<u>Quantitation Limits with no Dilution</u>
PCB - 1016	U	U	U	U	990
PCB - 1221	U	U	U	U	2,000
PCB - 1232	U	U	U	U	990
PCB - 1242	U	U	U	U	990
PCB - 1248	U	9,600JP	U	930,000JPD	990
PCB - 1254	U	47,000	60,000JPD	5,500,000D	990
PCB - 1260	U	U	U	U	990

U, J, P, D - See Appendix for definition.

Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 2.2
30930-0060A
ROUX ASSOCIATES
POLYCHLORINATED BIPHENYLS (PCB'S)

All values are ug/Kg.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>11.8</u>	<u>118</u>	<u>114</u>	<u>1,140</u>	
<u>Method Blank I.D.</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>CS-1</u>	<u>CS-1 DL</u>	<u>CS-76</u>	<u>CS-76 DL</u> ✓	<u>Quantitation Limits with no Dilution</u>
PCB - 1016	U	U	U	U	U	33
PCB - 1221	U	U	U	U	U	67
PCB - 1232	U	U	U	U	U	33
PCB - 1242	U	U	U	U	U	33
PCB - 1248	U	700P	U	2,900JP	U	33
PCB - 1254	U	U	U	U	U	33
PCB - 1260	U	7,400P	8,600PD	36,000PC	73,000D	33

Sample Identification

<u>Dilution Factor</u>	<u>10.9</u>	<u>109</u>	<u>11,400</u>	<u>114,000</u>	<u>11,800</u>	
<u>Method Blank I.D.</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	
<u>Compound</u>	<u>CS-83</u>	<u>CS-83 DL</u>	<u>S-106</u>	<u>S-106 DL</u> ✓	<u>S-105</u>	<u>Quantitation Limits with no Dilution</u>
PCB - 1016	U	U	U	U	U	33
PCB - 1221	U	U	U	U	U	67
PCB - 1232	U	U	U	U	U	33
PCB - 1242	U	U	U	U	U	33
PCB - 1248	U	U	U	U	U	33
PCB - 1254	U	U	U	U	U	33
PCB - 1260	3,100PC	4,400D	16,000,000	20,000,000D	13,000,000P	33

U, J, P, D, C - See Appendix for definition.

Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 2.3
30930-0060A
ROUX ASSOCIATES
POLYCHLORINATED BIPHENYLS (PCB'S)

All values are ug/Kg.

Sample Identification

<u>Dilution Factor</u>	<u>1.0</u>	<u>118,000</u>	<u>11.6</u>	<u>116</u>	<u>119</u>	
<u>Method Blank I.D.</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	
<u>Compound</u>	<u>Method Blank</u>	<u>S-105 DL</u>	<u>S-108</u>	<u>S-108 DL</u>	<u>S-107</u>	<u>Quantitation Limits with no Dilution</u>
PCB - 1016	U	U	U	U	U	33
PCB - 1221	U	U	U	U	U	67
PCB - 1232	U	U	U	U	U	33
PCB - 1242	U	U	U	U	U	33
PCB - 1248	U	U	U	U	U	33
PCB - 1254	U	U	U	U	U	33
PCB - 1260	U	15,000,000PD	5,900P	5,600PD	51,000P	33

Sample Identification

<u>Dilution Factor</u>	<u>1,190</u>	<u>120</u>	<u>1,200</u>	<u>1,110</u>	<u>11,100</u>	
<u>Method Blank I.D.</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	<u>PBLK71</u>	
<u>Compound</u>	<u>S-107 DL</u>	<u>CS-6</u>	<u>CS-6 DL</u>	<u>S-104</u>	<u>S-104 DL</u>	<u>Quantitation Limits with no Dilution</u>
PCB - 1016	U	U	U	U	U	33
PCB - 1221	U	U	U	U	U	67
PCB - 1232	U	U	U	U	U	33
PCB - 1242	U	U	U	U	U	33
PCB - 1248	U	U	U	U	U	33
PCB - 1254	U	U	U	U	U	33
PCB - 1260	63,000PD	44,000PC	62,000PD	820,000P	860,000PD	33

U, J, B, C - See Appendix for definition.

Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 2.4
30930-0060A
ROUX ASSOCIATES
POLYCHLORINATED BIPHENYLS (PCB'S)

Soil

All values are ug/Kg.

Sample Identification

Dilution Factor

1.0 119 119

Method Blank I.D.

PBLK80 PBLK80 PBLK80

Compound

Method S-107 S-107
Blank MS MSD

Quantitation
Limits with no
Dilution

PCB - 1016	U	U	U	
PCB - 1221	U	U	U	33
PCB - 1232	U	U	U	67
PCB - 1242	U	U	U	33
PCB - 1248	U	U	U	33
PCB - 1254	U	U	U	33
PCB - 1260	U	U	U	33
	U	33,000	23,000P	33

U, P - See Appendix for definition.

Note: Sample detection limit = quantitation limit x dilution factor.

TABLE 3.0
30930-0060A
ROUX ASSOCIATES
PETROLEUM HYDROCARBON SCAN

All values are mg/Kg dry basis.

<u>IEA#</u>	<u>Client ID</u>	<u>#2 Fuel Oil</u>	<u>Other Hydrocarbons Detected/Comments</u>
0204-B06	PBLK92	ND	None
0060030	MW-7	ND	57 percent as diesel
0060031	FILL CAP	ND	100 percent as diesel

ND - None Detected

APPENDIX

- U - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N - Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- S - Estimated due to surrogate outliers.
- X - Matrix spike compound.
- (1) - Cannot be separated.
- (2) - Decomposes to azobenzene. Measured and calibrated as azobenzene.
- A - This flag indicates that a TIC is a suspected aldol condensation product.
- E - Indicates that it exceeds calibration curve range.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- C - Confirmed by GC/MS.
- T - Compound present in TCLP blank.
- P - This flag is used for a pesticide/aroclor target analyte when there is a greater than 25 percent difference for detected concentrations between the two GC columns (see Form X).

STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the IEA-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab-is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

IEA-Connecticut Certification Summary (as of June 1992)

State	Responsible Agency	Certification	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Kansas	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	E-210/E-1185
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	252891
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	A43



IEA

An Aquarion Company

200 Monroe Turnpike
Monroe, Connecticut 06468

Phone 203-261-4458
Fax 203-268-5346

SAMPLE DATA SUMMARY PACKAGE

CLIENT:
PROJECT ID:
P.O.#
SDG#:
IEA ID:

ROUX ASSOCIATES
AMTRAK SUNNYSIDE
05526.Y
A0060
30930-0060A

Sunrise,
Florida
305-846-1730

Schaumburg,
Illinois
708-705-0740

N. Billerica,
Massachusetts
617-272-5212

Whippany,
New Jersey
201-428-8181

Research Triangle Park,
North Carolina
919-677-0090

Essex Junction,
Vermont
802-878-5138

APPENDIX A
NYSDEC ANALYTICAL DATA FORMS

0 0 01

JOB # : 3093-0060A

CLIENT NAME : ROUX ASSOCIATES

PROJECT ID : AMTRAK SUNNYSIDE

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

JOB # : 3093-0060A

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS*						
		*VOA GC/MS	*BHA GC/MS	*VOA GC	*PEST PCB	*METALS	*OTHER	*OTHER
S-104	0060019				X			
CS-6	0060020		X		X			
S-107	0060021				X			
S-108	0060022				X			
S-105	0060023				X			
S-106	0060024				X			
CS-83	0060025		X		X			
CS-76	0060026		X		X			
CS-1	0060027		X		X			
CS-64	0060028							
FIELD BLANK	0060029				X			
MH-7	0060030				X			
FILL CAP	0060031				X			

* Check Appropriate Boxes

* CLP, Non-CLP

* HSL, Priority Pollutant

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
CS-1	SOIL	01/26/93	01/27/93	01/28/93	02/26/93
CS-1DL					02/26/93
CS-6		01/25/93			
CS-6DL					
CS-64					02/18/93
CS-64DL					02/19/93
CS-76		01/26/93			02/17/93
CS-76DL					
CS-83		01/25/93			
CS-83DL					
S-104					
S-104DL					
S-105					02/16/93
S-105DL					02/17/93
S-106					02/20/93
S-106DL					02/18/93
S-107					02/20/93
S-107DL					02/17/93
S-108					
S-108DL					
S-107MS				02/01/93	02/18/93

02/26/93

02/17/93

- 2 -

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION 0 04

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
S-107HSB	SOIL		01/27/93	02/01/93	02/12/93
S-107HSD	↓	01/25/93	01/27/93		
S-107STD	↓				
FIELD PLANK	WATER	01/26/93	01/27/93	↓	↓
MW-7DL	OIL			↓	02/11/93
FILL CAP				02/12/93	02/26/93
FILL CAPDL	↓	↓	↓	↓	↓
					02/20/93

02/2/93

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S104DL

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 Matrix: (soil/water) SOIL Lab Sample ID: 0060019DL
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: A1209330.D 0 28
 % Moisture: 10 decanted: (Y/N) N Date Received: 01/27/93
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/28/93
 Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/16/93
 Injection Volume: 1.0(uL) Dilution Factor: 10000.0
 GPC Cleanup: (Y/N) Y pH: 5.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	370000	U
11104-28-2-----	Aroclor-1221	740000	U
11141-16-5-----	Aroclor-1232	370000	U
53469-21-9-----	Aroclor-1242	370000	U
12672-29-6-----	Aroclor-1248	370000	U
11097-69-1-----	Aroclor-1254	370000	U
11096-82-5-----	Aroclor-1260	860000	PD

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S104

Lab Name: IEA/CT Contract: _____
 Lab Code: IEACT Case No.: 0060A SAS No.: _____ SDG No.: A0060

Matrix: (soil/water) SOIL Lab Sample ID: 0060019
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: A1209331.D0 34
 % Moisture: 10 decanted: (Y/N) N Date Received: 01/27/93
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/28/93
 Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/17/93
 Injection Volume: 1.0(uL) Dilution Factor: 1000.0
 GPC Cleanup: (Y/N) Y pH: 5.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	37000	U
11104-28-2-----	Aroclor-1221	74000	U
11141-16-5-----	Aroclor-1232	37000	U
53469-21-9-----	Aroclor-1242	37000	U
12672-29-6-----	Aroclor-1248	37000	U
11097-69-1-----	Aroclor-1254	37000	U
11096-82-5-----	Aroclor-1260	820000	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS6DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060020DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209332.D 0 43

% Moisture: 17 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 6.1

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
12674-11-2-----	Aroclor-1016	40000	U
11104-28-2-----	Aroclor-1221	81000	U
11141-16-5-----	Aroclor-1232	40000	U
53469-21-9-----	Aroclor-1242	40000	U
12672-29-6-----	Aroclor-1248	40000	U
11097-69-1-----	Aroclor-1254	40000	U
11096-82-5-----	Aroclor-1260	62000	PD

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS6

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060020

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209333.D0 49

% Moisture: 17 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y

pH: 6.1

Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	4000	U
11104-28-2-----	Aroclor-1221	8100	U
11141-16-5-----	Aroclor-1232	4000	U
53469-21-9-----	Aroclor-1242	4000	U
12672-29-6-----	Aroclor-1248	4000	U
11097-69-1-----	Aroclor-1254	4000	U
11096-82-5-----	Aroclor-1260	44000	CP

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S107DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060021DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209334.D

% Moisture: 16 decanted: (Y/N) N

Date Received: 01/27/93

0 66

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 5.9

Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	39000	U
11104-28-2-----	Aroclor-1221	80000	U
11141-16-5-----	Aroclor-1232	39000	U
53469-21-9-----	Aroclor-1242	39000	U
12672-29-6-----	Aroclor-1248	39000	U
11097-69-1-----	Aroclor-1254	39000	U
11096-82-5-----	Aroclor-1260	63000	PD

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S107

Lab Name: IEA/CT

Contract: 0 71

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060021

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209335.D

% Moisture: 16 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 5.9

Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	3900	U
11104-28-2-----	Aroclor-1221	8000	U
11141-16-5-----	Aroclor-1232	3900	U
53469-21-9-----	Aroclor-1242	3900	U
12672-29-6-----	Aroclor-1248	3900	U
11097-69-1-----	Aroclor-1254	3900	U
11096-82-5-----	Aroclor-1260	51000	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S108DL

Lab Name: IEA/CT

Contract:

Lab Code: IFACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060022DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209353.D0 80

% Moisture: 14 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 4.8

Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	3800	U
11104-28-2-----	Aroclor-1221	7800	U
11141-16-5-----	Aroclor-1232	3800	U
53469-21-9-----	Aroclor-1242	3800	U
12672-29-6-----	Aroclor-1248	3800	U
11097-69-1-----	Aroclor-1254	3800	U
11096-82-5-----	Aroclor-1260	5600	PD

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S108

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 Matrix: (soil/water) SOIL Lab Sample ID: 0060022 0 85
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: A1209354.D
 % Moisture: 14 decanted: (Y/N) N Date Received: 01/27/93
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/28/93
 Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/17/93
 Injection Volume: 1.0(uL) Dilution Factor: 10.0
 GPC Cleanup: (Y/N) Y pH: 4.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
12674-11-2-----	Aroclor-1016	380	U
11104-28-2-----	Aroclor-1221	780	U
11141-16-5-----	Aroclor-1232	380	U
53469-21-9-----	Aroclor-1242	380	U
12672-29-6-----	Aroclor-1248	380	U
11097-69-1-----	Aroclor-1254	380	U
11096-82-5-----	Aroclor-1260	5900	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S105DL

Lab Name: IEA/CT

Contract:

Lab Code: IEA/CT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060023DL 0 94

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209421.D

% Moisture: 15 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/20/93

Injection Volume: 1.0(uL)

Dilution Factor: 100000.0

GPC Cleanup: (Y/N) Y pH: 4.4

Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	3900000	U
11104-28-2-----	Aroclor-1221	7900000	U
11141-16-5-----	Aroclor-1232	3900000	U
53469-21-9-----	Aroclor-1242	3900000	U
12672-29-6-----	Aroclor-1248	3900000	U
11097-69-1-----	Aroclor-1254	3900000	U
11096-82-5-----	Aroclor-1260	15000000	PD

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S105

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060023_r

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209355.D

% Moisture: 15 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 10000.0

GPC Cleanup: (Y/N) Y pH: 4.4

Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	390000	U
11104-28-2-----	Aroclor-1221	790000	U
11141-16-5-----	Aroclor-1232	390000	U
53469-21-9-----	Aroclor-1242	390000	U
12672-29-6-----	Aroclor-1248	390000	U
11097-69-1-----	Aroclor-1254	390000	U
11096-82-5-----	Aroclor-1260	13000000	P

0100

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S106DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

0108

Matrix: (soil/water) SOIL

Lab Sample ID: 0060024DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209422.D

% Moisture: 12 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/20/93

Injection Volume: 1.0(uL)

Dilution Factor: 100000.0

GPC Cleanup: (Y/N) Y pH: 4.4

Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	3800000	U
11104-28-2-----	Aroclor-1221	7600000	U
11141-16-5-----	Aroclor-1232	3800000	U
53469-21-9-----	Aroclor-1242	3800000	U
12672-29-6-----	Aroclor-1248	3800000	U
11097-69-1-----	Aroclor-1254	3800000	U
11096-82-5-----	Aroclor-1260	20000000	D

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S106

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

0115

Matrix: (soil/water) SOIL

Lab Sample ID: 0060024

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209356.D

% Moisture: 12 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/18/93

Injection Volume: 1.0(uL)

Dilution Factor: 10000.0

GPC Cleanup: (Y/N) Y pH: 4.4

Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	380000	U
11104-28-2-----	Aroclor-1221	760000	U
11141-16-5-----	Aroclor-1232	380000	U
53469-21-9-----	Aroclor-1242	380000	U
12672-29-6-----	Aroclor-1248	380000	U
11097-69-1-----	Aroclor-1254	380000	U
11096-82-5-----	Aroclor-1260	16000000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS83DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060025DL

0124

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209340.D

% Moisture: 8 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 6.7

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	3600	U
11104-28-2-----	Aroclor-1221	7300	U
11141-16-5-----	Aroclor-1232	3600	U
53469-21-9-----	Aroclor-1242	3600	U
12672-29-6-----	Aroclor-1248	3600	U
11097-69-1-----	Aroclor-1254	3600	U
11096-82-5-----	Aroclor-1260	4400	D

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: IEA/CT

Contract:

CS83

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060025

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209341.D 0130

% Moisture: 8 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.7

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
12674-11-2-----	Aroclor-1016	360	U
11104-28-2-----	Aroclor-1221	730	U
11141-16-5-----	Aroclor-1232	360	U
53469-21-9-----	Aroclor-1242	360	U
12672-29-6-----	Aroclor-1248	360	U
11097-69-1-----	Aroclor-1254	360	U
11096-82-5-----	Aroclor-1260	3100	C P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS76

Lab Name: IEA/CT	Contract:	0139
Lab Code: IEACT Case No.: 0060A	SAS No.:	
Matrix: (soil/water) SOIL	SDG No.: A0060	
Sample wt/vol: 30.0 (g/mL) G	Lab Sample ID: 0060026	
% Moisture: 12 decanted: (Y/N) N	Lab File ID: A1209344.D	
Extraction: (SepF/Cont/Sonc) SONC	Date Received: 01/27/93	
Concentrated Extract Volume: 5000(uL)	Date Extracted: 01/28/93	
Injection Volume: 1.0(uL)	Date Analyzed: 02/17/93	
GPC Cleanup: (Y/N) Y pH: 6.9	Dilution Factor: 100.0	
	Sulfur Cleanup: (Y/N) N	

CAS NO.	COMPOUND	CONCENTRATION UNITS:	Q
		(ug/L or ug/Kg) UG/KG	
12674-11-2-----	Aroclor-1016	3800	U
11104-28-2-----	Aroclor-1221	7600	U
11141-16-5-----	Aroclor-1232	3800	U
53469-21-9-----	Aroclor-1242	3800	U
12672-29-6-----	Aroclor-1248	2900	JP
11097-69-1-----	Aroclor-1254	3800	U
11096-82-5-----	Aroclor-1260	36000	C P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS76DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060026DL **0156**

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209343.D

% Moisture: 12 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 6.9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
12674-11-2-----	Aroclor-1016	38000		U
11104-28-2-----	Aroclor-1221	76000		U
11141-16-5-----	Aroclor-1232	38000		U
53469-21-9-----	Aroclor-1242	38000		U
12672-29-6-----	Aroclor-1248	38000		U
11097-69-1-----	Aroclor-1254	38000		U
11096-82-5-----	Aroclor-1260	73000		D

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: IEA/CT

Contract:

CS1

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060027

0163

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209347.D

% Moisture: 15 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
12674-11-2-----	Aroclor-1016		390	U
11104-28-2-----	Aroclor-1221		790	U
11141-16-5-----	Aroclor-1232		390	U
53469-21-9-----	Aroclor-1242		390	U
12672-29-6-----	Aroclor-1248		700	P
11097-69-1-----	Aroclor-1254		390	U
11096-82-5-----	Aroclor-1260		7400	C P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: IEA/CT

Contract:

CS1DL

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060027DL

0182

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209346.D

% Moisture: 15 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 6.2

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

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

Q

12674-11-2-----	Aroclor-1016		
11104-28-2-----	Aroclor-1221	3900	U
11141-16-5-----	Aroclor-1232	7900	U
53469-21-9-----	Aroclor-1242	3900	U
12672-29-6-----	Aroclor-1248	3900	U
11097-69-1-----	Aroclor-1254	3900	U
11096-82-5-----	Aroclor-1260	3900	U
		8600	PD

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: IEA/CT Contract: FB012693 0189
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 Matrix: (soil/water) WATER Lab Sample ID: 0060029
 Sample wt/vol: 975 (g/mL) ML Lab File ID: B5037148.D
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 01/27/93
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/01/93
 Concentrated Extract Volume: 10000(uL) Date Analyzed: 02/11/93
 Injection Volume: 1.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: IEA/CT

Contract: 0194

MW7DL

Lab Code: IEACT

Case No.: 0060A SAS No.:

SDG No.: A0060

Matrix: (soil/water) ~~SOIL-OIL~~ air/g

Lab Sample ID: 0060030DL

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: B5041157.D

% Moisture: 0 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 02/12/93

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 02/26/93

Injection Volume: 1.0(uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

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

Q

12674-11-2-----	Aroclor-1016	980000	U
11104-28-2-----	Aroclor-1221	2000000	U
11141-16-5-----	Aroclor-1232	980000	U
53469-21-9-----	Aroclor-1242	980000	U
12672-29-6-----	Aroclor-1248	930000	JPD
11097-69-1-----	Aroclor-1254	5500000	D
11096-82-5-----	Aroclor-1260	980000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: IEA/CT

Contract:

FILLCAP

0202

Lab Code: IEACT

Case No.: 0060A SAS No.:

SDG No.: A0060

Matrix: (soil/water) ~~SOIL~~ OIL (24.3/9)

Lab Sample ID: 0060031

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: A1211030.D

% Moisture: 0 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 02/12/93

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 02/26/93

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	9900	U
11104-28-2-----	Aroclor-1221	20000	U
11141-16-5-----	Aroclor-1232	9900	U
53469-21-9-----	Aroclor-1242	9900	U
12672-29-6-----	Aroclor-1248	9600	JP
11097-69-1-----	Aroclor-1254	47000	
11096-82-5-----	Aroclor-1260	9900	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: IEA/CT

Contract:

FILLCAPDL 0210

Lab Code: IEACT

Case No.: 0060A SAS No.:

SDG No.: A0060

Matrix: (soil/water) ~~SOIL~~ OIL 023/9

Lab Sample ID: 0600031DL

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: A1209406.D

% Moisture: 0 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 02/12/93

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 02/20/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016		
11104-28-2-----	Aroclor-1221	99000	U
11141-16-5-----	Aroclor-1232	200000	U
53469-21-9-----	Aroclor-1242	99000	U
12672-29-6-----	Aroclor-1248	99000	U
11097-69-1-----	Aroclor-1254	99000	U
11096-82-5-----	Aroclor-1260	60000	JPD
		99000	U

2E
WATER PESTICIDE SURROGATE RECOVERY

0 16

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

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	PBLK79	86	112	57*	75			1
02	FB012693	80	112	52*	60			1
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
QC LIMITS
(60-150)
(60-150)

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

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

+OIL
2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: IEA/CT

Contract:

0 17

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

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 S104DL	0D	0D	0D	0D			0
02 S104	0D	0D	0D	0D			0
03 CS6DL	0D	0D	0D	0D			0
04 CS6	0D	0D	0D	0D			0
05 S107DL	0D	0D	0D	0D			0
06 S107	0D	0D	0D	0D			0
07 CS83DL	0D	0D	0D	0D			0
08 CS83	0D	0D	0D	0D			0
09 CS76DL	97	204D	100	366D			0
10 CS76	0D	0D	0D	0D			0
11 CS1DL	0D	0D	0D	0D			0
12 CS1	0D	0 286D	0D	0 1174D			0
13 S108DL	266D	286D	163D	0D			2
14 S108	0D	0D	0D	0D			0
15 S105	95	102	71	212D			0
16 S106	0D	0D	0D	0D			0
17 S107STD	0D	0D	0D	0D			0
18 S107MSB	99	63	64	56*			0
19 S107MS	88	49*	64	52*			1
20 S107MSD	0D	0D	0D	0D			2
21 CS64	0D	0D	0D	0D			0
22 CS64DL	108	132	165D	0D			0
23 FILICAPDL	0D	0D	0D	0D			0
24 S105DL	0D	0D	0D	0D			0
25 S106DL	0D	0D	0D	0D			0
26 FILICAP	0D	0D	0D	0D			0
27	398D	27 135D	248D	60 295D			0
28		270D		590D			0
29							
30							

282/3

283/9

483/9

ADVISORY
QC LIMITS
TCX = Tetrachloro-m-xylene (60-150)
DCB = Decachlorobiphenyl (60-150)

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

+OIL
2F
SOIL PESTICIDE SURROGATE RECOVERY

0 18

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

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 PBLK71	66	99	51*	68			1
02 PBLK80	77	100	53*	64			1
03 PBLK12	130.64	123.100	90.46*	130.64			1
04 MW7DL	OD	OD	OD	OD			0
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
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21							
22							
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24							
25							
26							
27							
28							
29							
30							

2/3/9

ADVISORY
 TCX = Tetrachloro-m-xylene (60-150)
 DCB = Decachlorobiphenyl (60-150)
 QC LIMITS

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

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

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.: 0060A

SAS No.: _____

SDG No.: A0060

Matrix Spike - EPA Sample No.:

S-107 MS/MSP

Compound	Spike Added	Sample Concentration <u>(ug/L)</u>	HS Concentration <u>(ug/L)</u>	HS % Rec
Ar 1260	390.	42,000 51,000	30,000 1	NA

Compound	Spike Added	HSD Concentration <u>(ug/L)</u>	HSD % Rec	% RPD
Ar 1260	390.	23,000 19,000	NA	45.36

Comments: Impossible to calculate recovery because of negative difference

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

0 20

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.: 0060A SAS No.: _____ SDG No.: A0060

Matrix Spike - EPA Sample No.:

S-107 MSB

Compound	Spike Added	Sample Concentration	HS Concentration	HS % Rec
<u>AR1260</u>	<u>330.</u>	<u>0.</u>	<u>240</u> <u>280.</u>	<u>73</u> <u>61.</u>

Compound	Spike Added	MSD Concentration	MSD % Rec	% RPD

Comments: _____

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

0 21

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.: 0060A

SAS No.: _____

SDG No.: A0060

Matrix Spike - EPA Sample No.:

S-107 STD

Compound	Spike Added	Sample Concentration	MS Concentration	MS % Rec
<u>At 1642</u>	<u>330.</u>	<u>0</u>	<u>260.</u>	<u>79.</u>
<u>At 1260</u>	<u>330.</u>	<u>0</u>	<u>210.</u>	<u>64.</u>
			<u>250.</u>	<u>76.</u>

093/9

Compound	Spike Added	HSD Concentration	HSD % Rec	% RPD

Comments: _____

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK71

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

0 22

Lab Sample ID: 0128-B01

Lab File ID: B5037142.D

Matrix:(soil/water) SOIL

Extraction:(SepF,Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/28/93

Date Analyzed (1): 02/11/93

Date Analyzed (2): 02/18/93

Time Analyzed (1): 0742

Time Analyzed (2): 0117

Instrument ID (1): HP58905B

Instrument ID (2): HP58901A

GC Column (1):DB-1701

ID: 0.53(mm)

GC Column (2):RTX-35

ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	CS1	0060027	02/26/93	02/17/93
02	CS1DL	0060027DL	02/26/93	02/17/93
03	CS6	0060020	02/25/93	02/17/93
04	CS64	0060028	02/26/93	02/18/93
05	CS64DL	0060028DL	02/26/93	02/19/93
06	CS6DL	0060020DL	02/25/93	02/17/93
07	CS76	0060026	02/26/93	02/17/93
08	CS76DL	0060026DL	02/26/93	02/17/93
09	CS83	0060025	02/26/93	02/17/93
10	CS83DL	0060025DL	02/26/93	02/17/93
11	S104	0060019	02/25/93	02/17/93
12	S104DL	0060019DL	02/25/93	02/16/93
13	S105	0060023	02/26/93	02/17/93
14	S105DL	0060023DL	02/25/93	02/20/93
15	S106	0060024	02/26/93	02/18/93
16	S106DL	0060024DL	02/25/93	02/20/93
17	S107	0060021	02/25/93	02/17/93
18	S107DL	0060021DL	02/25/93	02/17/93
19	S108	0060022	02/25/93	02/17/93
20	S108DL	0060022DL	02/25/93	02/17/93
21				
22				
23				
24				
25				
26				

02/19/93

COMMENTS: _____

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK71

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 Matrix: (soil/water) SOIL Lab Sample ID: 0128-B01
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B5037142.D
 % Moisture: 0 decanted: (Y/N) N Date Received: / / 0606
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/28/93
 Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/11/93
 Injection Volume: 1.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

12674-11-2-----	Aroclor-1016	33	U
11104-28-2-----	Aroclor-1221	67	U
11141-16-5-----	Aroclor-1232	33	U
53469-21-9-----	Aroclor-1242	33	U
12672-29-6-----	Aroclor-1248	33	U
11097-69-1-----	Aroclor-1254	33	U
11096-82-5-----	Aroclor-1260	33	U

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK80

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0201-B04

Lab File ID: B5037143.D

Matrix:(soil/water) SOIL

Extraction:(SepF,Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N

Date Extracted: 02/01/93

Date Analyzed (1): 02/11/93

Date Analyzed (2): 02/18/93

Time Analyzed (1): 0836

Time Analyzed (2): 0211

Instrument ID (1): HP58905B

Instrument ID (2): HP58901A

GC Column (1):DB-1701

ID: 0.53(mm)

GC Column (2):RTX-35

ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	S107MS	0060021MS	02/25/93	02/18/93
02	S107MSB	0060021MSB	02/19/93	02/18/93
03	S107MSD	0060021MSD	02/25/93	02/18/93
04	S107STD	0060021STD	02/19/93	02/18/93
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK80

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0201-B04

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: B5037143.D

% Moisture: 0 decanted: (Y/N) N

Date Received: / /

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 02/01/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/11/93

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	UG/KG	Q
12674-11-2-----	Aroclor-1016	33	U
11104-28-2-----	Aroclor-1221	67	U
11141-16-5-----	Aroclor-1232	33	U
53469-21-9-----	Aroclor-1242	33	U
12672-29-6-----	Aroclor-1248	33	U
11097-69-1-----	Aroclor-1254	33	U
11096-82-5-----	Aroclor-1260	33	U

0617

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK79

Lab Name: IEA/CT

Contract: 9601

Lab Code: IEA CT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) WATER

Lab Sample ID: 0201-B01

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

Lab File ID: B5037146.D

% Moisture: _____ decanted: (Y/N)___

Date Received: / /

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 02/01/93

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 02/11/93

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

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

12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK79 0 24

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0201-B01

Lab File ID: B5037146.D

Matrix:(soil/water) WATER

Extraction:(SepF,Cont/Sonc) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 02/01/93

Date Analyzed (1): 02/11/93

Date Analyzed (2): 02/18/93

Time Analyzed (1): 1123

Time Analyzed (2): 0305

Instrument ID (1): HP58905B

Instrument ID (2): HP58901A

GC Column (1):DB-1701 ID: 0.53(mm) GC Column (2):RTX-35 ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	FB012693	0060029	02/11/93	02/18/93
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK12

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

0623

Matrix: (soil/water) ~~SOIL~~ OIL

0.23/0.1

Lab Sample ID: 0212-B07

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: B5041156.D

% Moisture: 0 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 02/12/93

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 02/26/93

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	990	U
11104-28-2-----	Aroclor-1221	2000	U
11141-16-5-----	Aroclor-1232	990	U
53469-21-9-----	Aroclor-1242	990	U
12672-29-6-----	Aroclor-1248	990	U
11097-69-1-----	Aroclor-1254	990	U
11096-82-5-----	Aroclor-1260	990	U



IEA
An Aquarion Company

200 Monroe Turnpike
Monroe, Connecticut 06468

Phone 203-261-4458
Fax 203-268-5346

SAMPLE DATA PACKAGE

CLIENT:
PROJECT ID:
P.O.#
SDG#:
IEA ID:

ROUX ASSOCIATES
AMTRAK SUNNYSIDE
05526.Y
A0060
30930-0060A

Sunrise,
Florida
305-846-1730

Schaumburg,
Illinois
708-705-0740

N. Billerica,
Massachusetts
617-272-5212

Whippany,
New Jersey
201-428-8181

Research Triangle Park,
North Carolina
919-677-0090

Essex Junction,
Vermont
802-878-5138

APPENDIX A
NYSDEC ANALYTICAL DATA FORMS

0 0 01

JOB # : 3093-0060A
CLIENT NAME : ROUX ASSOCIATES
PROJECT ID : AMTRAK SUNNYSIDE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

0 02

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

JOB # : 3093-0060A

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS*						
		*VOA GC/MS	*BNA GC/MS	*VOA GC	*PEST PC8	*METALS	*OTHER	*OTHER
S-104	0060019				X			
CS-6	0060020		X		X			
S-107	0060021				X			
S-108	0060022				X			
S-105	0060023				X			
S-106	0060024				X			
CS-83	0060025		X		X			
CS-76	0060026		X		X			
CS-1	0060027		X		X			
CS-64	0060028							
FIELD BLANK	0060029				X			
MW-7	0060030				X			
FILL CAP	0060031				X			

* Check Appropriate Boxes
* CLP, Non-CLP
* HSL, Priority Pollutant

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
CS-1	SOIL	01/26/93	01/27/93	01/28/93	02/26/93
CS-1 DL		+			
CS-6		01/25/93			
CS-6 DL					02/18/93
CS-64					02/19/93
CS-64 DL					02/17/93
CS-76		01/26/93			
CS-76 DL		+			
CS-83		01/25/93			
CS-83 DL					
S-104					
S-104 DL					02/16/93
S-105					02/17/93
S-105 DL					02/20/93
S-106					02/18/93
S-106 DL					02/20/93
S-107					02/17/93
S-107 DL					
S-108					
S-108 DL					
S-107MS				02/01/93	02/18/93

02/26/93

02/17/93

- 2 -

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

0 04

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
S-107MSB	SOIL	—	01/27/93	02/01/93	02/12/93
S-107MSD	↓	01/25/93	01/27/93		
S-107STD	↓				
FIELD PAUL	WATER	01/26/93	01/27/93	φ	02/11/93
MW-7DL	OIL			02/12/93	02/26/93
FILL CAP					φ
FILL CAPDL	↓	φ	φ	φ	02/20/93

02/2/93

- 0 05

SDG NARRATIVE

CLIENT:	ROUX ASSOCIATES
PROJECT ID:	AMTRAK SUNNYSIDE
P.O.#	05526.Y
SDG#:	A0060
IEA ID:	30930-0060A

CLIENT CHAINS OF CUSTODY

CLIENT:	ROUX ASSOCIATES
PROJECT ID:	AMTRAK SUNNYSIDE
P.O.#	05526.Y
SDG#:	A0060
IEA ID:	30930-0060A

IEA CT # 3093-0060



CHAIN OF CUSTODY

No 01331 Y

ROUX ASSOCIATES INC 775 PARK AVENUE, SUITE 255 HUNTINGTON, NEW YORK 11743 Consulting Ground-Water Geologists & Engineers (516) 673-7200 FAX: (516) 673-7216		ANALYSES TOTAL BOTTLES		PAGE OF 2					
PROJECT NAME AMTRAK, SUNNYSIDE	PROJECT NUMBER 0552267	SAMPLE MATRIX PCBS							
PROJECT LOCATION SUNNYSIDE, QUEENS, N.Y.C.									
SAMPLER(S) DANIEL KEOHANE CHRIS SUREK									
SAMPLE DESIGNATION/LOCATION	DATE COLLECTED	TIME COLLECTED	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	NOTES
S-104	1-25-93	0825	SOIL ✓						019
C5-6	1-25-93	0850	SOIL ✓						020
S-107	1-25-93	0850	SOIL ✓						021
S-108	1-25-93	0910	SOIL ✓						022
S-105	1-25-93	0935	SOIL ✓						023
S-106	1-25-93	0940	SOIL ✓						024
C5-83	1-25-93	1055	SOIL ✓						025
C5-76	1-26-93	0830	SOIL ✓						026
C5-1	1-26-93	0840	SOIL ✓						027
C5-64	1-26-93	0855	SOIL ✓						028
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
DELIVERY METHOD					COMMENTS				
ANALYTICAL LABORATORY									

RECEIVED BY: (SIGNATURE) *[Signature]* IEA CT

DATE 1/27/93

SEAL INTACT Y OR N

08

IEA C# 3093-0060

No 01348 Y

CHAIN OF CUSTODY

ROUX ASSOCIATES INC 775 PARK AVENUE, SUITE 255
 Consulting Ground-Water HUNTINGTON, NEW YORK 11743
 Geologists & Engineers (516) 673-7200 FAX. (516) 673-7216

PAGE 2 OF 2

PROJECT NAME: **AMTRAK SUNNYSIDE** PROJECT NUMBER: **055267**

PROJECT LOCATION: **SUNNYSIDE, QUEENS, NYC**

SAMPLER(S): **DANIEL KEORANE / CHRIS CLARK**

SAMPLE DESIGNATION/LOCATION: DATE COLLECTED TIME COLLECTED

SAMPLE DESIGNATION/LOCATION	DATE COLLECTED	TIME COLLECTED	WATER	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	NOTES
FIELD BLANK	1-26-93	1100	WATER	Y	✓				Y					Y	029
MW-7	1-26-93	1330	OIL	Y	✓				Y					Y	030
FILL CAP	1-26-93	1330	OIL	Y	✓				Y					Y	031

RELINQUISHED BY: (SIGNATURE) **Daniel Keorane** FOR **Roux Assoc** DATE **1/26/93** TIME **1700** SEAL INTACT Y OR N **Y**

RECEIVED BY: (SIGNATURE) _____ FOR _____ DATE _____ TIME _____ SEAL INTACT Y OR N _____

RELINQUISHED BY: (SIGNATURE) _____ FOR _____ DATE _____ TIME _____ SEAL INTACT Y OR N _____

RECEIVED BY: (SIGNATURE) **[Signature]** FOR **IEA CT** DATE **1/27/93** TIME **1000** SEAL INTACT Y OR N **Y**

DELIVERY METHOD: **5965642955**
FEDERAL EXPRESS

ANALYTICAL LABORATORY: **IEA, CT.**

COMMENTS: **0**
0
0

SAMPLE MATRIX: **PCB**

ANALYSES: **PETROLEUM FINGERPRINT**

TOTAL BOTTLES: _____



QUESTIONS? CALL 800-238-5355 TOLL FREE.

5965642992

AIRBILL
PACKAGE
TRACKING NUMBER

5965642992

RECIPIENT'S COPY

From (Your Name) - Please Print: **Mr. Christopher Clark**
 Company: **ROUX ASSOCIATES**
 Street Address: **775 PARK AVE STE 250**
 City: **HUNTINGTON** State: **NY** ZIP Required: **11743**

To (Recipient's Name) Please Print: **Sample Control**
 Company: **IEA Inc.**
 Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): **200 Monroe Turnpike**
 City: **Monroe** State: **CT** ZIP Required: **06468**

Sender's Phone Number (Very Important): **(516) 9673-7200**
 Department/Floor No.:
 Recipient's Phone Number (Very Important): **(203) 261-4458**
 Department/Floor No.:

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.)
 05511

PAIDMENT Bill Sender Bill Recipient's FedEx Acct. No. Bill 3rd Party FedEx Acct. No. Bill Credit Card

3 Cash Check

4 **SERVICES** (Check only one box)
 Priority Overnight (Delivery by next business morning)
 Standard Overnight (Delivery by next business afternoon)
 11 OTHER PACKAGING
 16 FEDEX LETTER
 12 FEDEX PAK*
 13 FEDEX BOX
 14 FEDEX TUBE
 Economy Two-Day (Delivery by second business day)
 30 ECONOMY
 46 GOV'T LETTER
 41 GOV'T PACKAGE
 70 OVERNIGHT FREIGHT** (for packages over 150 lbs.)
 80 TWO-DAY FREIGHT** (for packages over 150 lbs.)

5 **DELIVERY AND SPECIAL HANDLING** (Check services required)
 HOLD PICK-UP (Fill in Box #)
 DELIVER
 4 DANGEROUS GOODS (Extra charge)
 5 DRY ICE (Dangerous Goods Shipment Declaration not required)
 6 OTHER SPECIAL SERVICE (Extra charge)
 7 SATURDAY PICK-UP (Extra charge)
 12 HOLIDAY DELIVERY (if offered) (Extra charge)

6 **WEIGHT** (Pounds)
 YOUR DECLARED WEIGHT: **1/6**
 Total: **1/6**
 DIM SHIPMENT (Chargeable Weight)
 Total: **1/6**
 DIM SHIPMENT (Chargeable Weight)
 Total: **1/6**

7 **DELIVERY ADDRESS**
 Street Address: **200 Monroe Turnpike**
 City: **Monroe** State: **CT** Zip: **06468**

8 **DATE**
 Date: **1/27/93**

9 **EMPLOYEE INFORMATION**
 Emp. No.: **127673**
 Date Received: **1/27/93**
 Received by: **[Signature]**
 Signature: **[Signature]**

10 **BASE CHARGES**
 Federal Express Use Base Charges: **136**

11 **DECLARED VALUE CHARGE**
 Other 1: **1000**
 Other 2: **1000**
 Total Charges: **1000**

12 **REVISION DATE 6/92**
 PART #437204 HC/REC 10/92
 FORMAT #138

13 **PRINTED IN U.S.A.**

LABORATORY CHAINS OF CUSTODY

CLIENT:
PROJECT ID:
P.O.#
SDG#:
IEA ID:

ROUX ASSOCIATES
AMTRAK SUNNYSIDE
05526.Y
A0060
30930-0060A

IEA Job #: 309B 0060

IEA, I. - CT
Internal Chain of Custody Form

Case #: 596564299Z

Airbill #: 596564299Z

Sample #s: 019-020

Location: AY

Date/Time: 1/28/93 1600

Sample Custodian: EMERSON (print)

Removed By (Full Signature)

Date

Time

Reason

Returned By (Full Signature)

Date

Time

Returned To Ref. #

Seal: present / absent

Chain of Custody: intact / not intact

Tags: present / absent

Forms: present / absent

Laboratory Sample Number

19-20

19-20

19-20

1/28 8:20

1/28 12:30

2/11 2

2/15 1:00

5, R

Removed By (Full Signature)

Date

Time

Reason

Returned By (Full Signature)

Date

Time

Returned To Ref. #

Laboratory Sample Number

19-20

19-20

19-20

1/28 8:20

1/28 12:30

2/11 2

2/15 1:00

5, R

IEA Job #: 3093 0060A

IEA, I - CT
Internal Chain of Custody Form

ient: Roux

stody Seal: present / absent
: intact / not intact

eld Chain Custody: present / absent

mples Tags: present / absent
: listed / not listed
: present / absent

DO Forms: present / absent

Case #: 622
Airbill #: 0215965642992

Sample #s: 021-031
Location: A4, 40

Date/Time: 1/28/93 1800

0060A

Sample Custodian: EMILY HANSON (print)

[Signature] (signature)

Laboratory Sample Number	Removed By (Full Signature)	Date	Time	Reason	Returned By (Full Signature)	Date	Time	Returned To Ref. #
21-28	Marisa Cudo	1/28	8:20	PCB EXT	Marisa Cudo	1/28	12:30	SR
29	<u>[Signature]</u>	2/1	12:00	PCB EXT	<u>[Signature]</u>			
021	<u>[Signature]</u>	2/01	16:00	PCB EXTRACTION	<u>[Signature]</u>	2/01	22:00	A4
20-031	<u>[Signature]</u>	2/04	17:30	PCB IN OILS	<u>[Signature]</u>	2/04	23:59	40
30, 21	A. Hajia	2/5	5:45	HCSCAN GC anal.	A. Hajia	2/5	6:45	
30 31	<u>[Signature]</u>	2/8	5:45	HCSCAN GC Anal	<u>[Signature]</u>	2/8	6:45	
21-31	<u>[Signature]</u>	2/11	9:00	P/POC anal	<u>[Signature]</u>	2/11	2	
20-031	<u>[Signature]</u>	2/12	16:15	CLP PCB IN OILS	<u>[Signature]</u>	2/12	25:45	40
1123242627	<u>[Signature]</u>	2/15	1:30	GC ANALYSIS	<u>[Signature]</u>	2/15	1400	
21 STD KSP, HSP	<u>[Signature]</u>	2/17	2	PIP CC anal	<u>[Signature]</u>	2/17	2	
28, 29								
30-3121	<u>[Signature]</u>	2/13	8:00	GC PIP Analysis	<u>[Signature]</u>	2/13	9:00	
23, 24	<u>[Signature]</u>	2/26	4:00	GC PIP Analysis	<u>[Signature]</u>	2/26	5:00	
30-31	<u>[Signature]</u>	2/27	6:00	GC PIP Analysis	<u>[Signature]</u>	2/27	7:00	

ORGANIC DATA

CLIENT:	ROUX ASSOCIATES
PROJECT ID:	AMTRAK SUNNYSIDE
P.O.#	05526.Y
SDG#:	A0060
IEA ID:	30930-0060A

PCB DATA

CLIENT:	ROUX ASSOCIATES
PROJECT ID:	AMTRAK SUNNYSIDE
P.O.#	05526.Y
SDG#:	A0060
IEA ID:	30930-0060A

2E
WATER PESTICIDE SURROGATE RECOVERY

0 16

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

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	PBLK79	86	112	57*	75			1
02	FBO12693	80	112	52*	60			1
03								
04								
05								
06								
07								
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30								

ADVISORY
QC LIMITS

TCX = Tetrachloro-m-xylene (60-150)
DCB = Decachlorobiphenyl (60-150)

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

+OIL
2F
SOIL PESTICIDE SURROGATE RECOVERY

0 17

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

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	S104DL	0D	0D	0D	0D			0
02	S104	0D	0D	0D	0D			0
03	CS6DL	0D	0D	0D	0D			0
04	CS6	0D	0D	0D	0D			0
05	S107DL	0D	0D	0D	0D			0
06	S107	0D	0D	0D	0D			0
07	CS83DL	0D	0D	0D	0D			0
08	CS83	97	204D	100	366D			0
09	CS76DL	0D	0D	0D	0D			0
10	CS76	0D	0D	0D	0D			0
11	CS1DL	0D	0 286D	0D	0 1174D			0
12	CS1	266D	286D	163D	0D			2
13	S108DL	0D	0D	0D	0D			0
14	S108	95	102	71	212D			0
15	S105	0D	0D	0D	0D			0
16	S106	0D	0D	0D	0D			0
17	S107STD	99	63	64	56*			1
18	S107MSB	88	49*	64	52*			2
19	S107MS	0D	0D	0D	0D			0
20	S107MSD	0D	0D	0D	0D			0
21	CS64	108	132	165D	0D			0
22	CS64DL	0D	0D	0D	0D			0
23	FILLCAPDL	0D	0D	0D	0D			0
24	S105DL	0D	0D	0D	0D			0
25	S106DL	0D	0D	0D	0D			0
26	FILLCAP	398D	27 135D 270D	248D	60 295D 590D			0
27								
28								
29								
30								

282/9

283/9

283/9

ADVISORY
QC LIMITS

TCX = Tetrachloro-m-xylene

(60-150)

DCB = Decachlorobiphenyl

(60-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

+OIL
2F
SOIL PESTICIDE SURROGATE RECOVERY

0 18

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

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	PBLK71	66	99	51*	68			1
02	PBLK80	77	100	53*	64			1
03	PBLK12	150.64	103.100	90.46*	130.64			1
04	MW7DL	OD	OD	OD	OD			0
05								
06								
07								
08								
09								
10								
11								
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30								

at 3/9

ADVISORY
QC LIMITS
TCX = Tetrachloro-m-xylene (60-150)
DCB = Decachlorobiphenyl (60-150)

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

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

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.: 0060A

SAS No.: _____

SDG No.: A0060

Matrix Spike - EPA Sample No.:

S-107 MS / MSP

Compound	Spike Added	Sample Concentration <u>(213/0)</u>	MS Concentration <u>(213/0)</u>	MS % Rec
Ar 1260	390.	42,000 51,000	30,000 1	NA

Compound	Spike Added	HSD Concentration <u>(274)</u>	HSD % Rec	% RPD <u>(0.97/0)</u>
Ar 1260	390.	23,000 19,000	NA	45.36

Comments: Impossible to calculate recovery because of negative difference

0 20

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

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.: 0060A SAS No.: _____ SDG No.: A0060

Matrix Spike - EPA Sample No.:

S-107 MSB

Compound	Spike Added	Sample Concentration	MS Concentration <u>ug/Kg</u>	MS X Rec
<u>AR1260</u>	<u>330.</u>	<u>0.</u>	<u>240</u> <u>250.</u>	<u>13.</u> <u>61.</u>

Compound	Spike Added	HSD Concentration	HSD X Rec	X RPD

Comments: _____

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

0 21

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.: 0060A

SAS No.: _____

SDG No.: A0060

Matrix Spike - EPA Sample No.:

9-107 STD

Compound	Spike Added	Sample Concentration	MS Concentration	MS % Rec
<u>Ac 1242</u>	<u>330.</u>	<u>0</u>	<u>260.</u>	<u>79.</u>
<u>Ac 1260</u>	<u>330.</u>	<u>0</u>	<u>210.</u>	<u>64.</u>
			<u>250.</u>	<u>76.</u>

093/9

Compound	Spike Added	MSD Concentration	MSD % Rec	% RPD

Comments: _____

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK71

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 0060A SAS No.: _____ SDG No.: A0060 0 22

Lab Sample ID: 0128-B01 Lab File ID: B5037142.D

Matrix:(soil/water) SOIL Extraction:(SepF,Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 01/28/93

Date Analyzed (1): 02/11/93 Date Analyzed (2): 02/18/93

Time Analyzed (1): 0742 Time Analyzed (2): 0117

Instrument ID (1): HP58905B Instrument ID (2): HP58901A

GC Column (1):DB-1701 ID: 0.53(mm) GC Column (2):RTX-35 ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	CS1	0060027	02/26/93	02/17/93
02	CS1DL	0060027DL	02/26/93	02/17/93
03	CS6	0060020	02/25/93	02/17/93
04	CS64	0060028	02/26/93	02/18/93
05	CS64DL	0060028DL	02/26/93	02/19/93
06	CS6DL	0060020DL	02/25/93	02/17/93
07	CS76	0060026	02/26/93	02/17/93
08	CS76DL	0060026DL	02/26/93	02/17/93
09	CS83	0060025	02/26/93	02/17/93
10	CS83DL	0060025DL	02/26/93	02/17/93
11	S104	0060019	02/25/93	02/17/93
12	S104DL	0060019DL	02/25/93	02/16/93
13	S105	0060023	02/26/93	02/17/93
14	S105DL	0060023DL	02/25/93	02/20/93
15	S106	0060024	02/26/93	02/18/93
16	S106DL	0060024DL	02/25/93	02/20/93
17	S107	0060021	02/25/93	02/17/93
18	S107DL	0060021DL	02/25/93	02/17/93
19	S108	0060022	02/25/93	02/17/93
20	S108DL	0060022DL	02/25/93	02/17/93
21				
22				
23				
24				
25				
26				

02/19

COMMENTS: _____

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: IEA/CT	Contract:	PBLK80
Lab Code: IEACT	Case No.: 0060A	0 23
	SAS No.:	SDG No.: A0060
Lab Sample ID: 0201-B04	Lab File ID:	B5037143.D
Matrix: (soil/water) SOIL	Extraction: (SepF, Cont/Sonc)	SONC
Sulfur Cleanup: (Y/N) N	Date Extracted:	02/01/93
Date Analyzed (1): 02/11/93	Date Analyzed (2):	02/18/93
Time Analyzed (1): 0836	Time Analyzed (2):	0211
Instrument ID (1): HP58905B	Instrument ID (2):	HP58901A
GC Column (1): DB-1701	ID: 0.53(mm)	GC Column (2): RTX-35
		ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	S107MS	0060021MS	02/25/93	02/18/93
02	S107MSB	0060021MSB	02/19/93	02/18/93
03	S107MSD	0060021MSD	02/25/93	02/18/93
04	S107STD	0060021STD	02/19/93	02/18/93
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK79 0 24

Lab Name: IEA/CT	Contract:
Lab Code: IEACT	Case No.: 0060A SAS No.: SDG No.: A0060
Lab Sample ID: 0201-B01	Lab File ID: B5037146.D
Matrix: (soil/water) WATER	Extraction: (SepF, Cont/Sonc) SEPF
Sulfur Cleanup: (Y/N) N	Date Extracted: 02/01/93
Date Analyzed (1): 02/11/93	Date Analyzed (2): 02/18/93
Time Analyzed (1): 1123	Time Analyzed (2): 0305
Instrument ID (1): HP58905B	Instrument ID (2): HP58901A
GC Column (1): DB-1701 ID: 0.53(mm)	GC Column (2): RTX-35 ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	FB012693	0060029	02/11/93	02/18/93
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK12 0 25

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0212-B07

Lab File ID: B5041156.D

Matrix: (soil/water) ~~SOIL~~ U/L

Extraction: (SepF, Cont/Sonc) ~~SONC~~

Sulfur Cleanup: (Y/N) N 02/3/9

Date Extracted: 02/12/93 ^{GRAVIMETRIC}

Date Analyzed (1): 02/26/93

Date Analyzed (2): 02/26/93 02/3/9

Time Analyzed (1): 1657

Time Analyzed (2): 1956

Instrument ID (1): HP58905B

Instrument ID (2): HP58901A

GC Column (1): DB-1701

ID: 0.53(mm)

GC Column (2): RTX-35

ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	FILLCAP	0060031	02/27/93	02/26/93
02	FILLCAPDL	0060031DL	02/26/93	02/20/93
03	MW7DL	0060030DL	02/26/93	02/26/93
04	PBLK12	0212-B07	02/26/93	02/26/93
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

02/3/9

COMMENTS:

PESTICIDE
 INSTRUMENT DETECTION LIMITS.
 HP58901A DILUTION FACTOR 1.0
 DATE ANAL12/07/92 COL:RTX-35

COMPOUND	Units are ug/L	IDL	Q
ALPHA-BHC		0.005	0.05
BETA-BHC		0.002	0.05
DELTA-BHC		0.001	0.05
GAMMA-BHC		0.005	0.05
HEPTACHLOR		0.006	0.05
ALDRIN		0.001	0.05
HEPT. EPOXIDE		0.001	0.05
ENDOSULFAN 1		0.004	0.05
DIELDRIN		0.029	0.10
4,4' DDE		0.004	0.10
ENDRIN		0.012	0.10
ENDOSULFAN 2		0.008	0.10
4,4' DDD		0.021	0.10
ENDO. SULFATE		0.002	0.10
4,4' DDT		0.005	0.10
METHOXYCHLOR		0.105	0.50
ENDRIN KETONE		0.003	0.10
ENDRIN ALDEHYDE		0.005	0.10
ALPHA-CHLORDANE		0.000	0.05
GAMMA-CHLORDANE		0.001	0.05
TOXAPHENE		1.080	5.00
AROCLOR 1016		0.028	1.00
AROCLOR 1221		0.751	2.00
AROCLOR 1232		0.215	1.00
AROCLOR 1242		0.017	1.00
AROCLOR 1248		0.099	1.00
AROCLOR 1254		0.650	1.00
AROCLOR 1260		0.667	1.00

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

PESTICIDE
 INSTRUMENT DETECTION LIMITS.
 HP58905B DILUTION FACTOR 1.0
 DATE ANAL 12/21/92 COL:DB-1701

Units are ug/L.

COMPOUND	IDL	Q
ALPHA-BHC	0.009	0.05
BETA-BHC	0.003	0.05
DELTA-BHC	0.003	0.05
GAMMA-BHC	0.003	0.05
HEPTACHLOR	0.011	0.05
ALDRIN	0.010	0.05
HEPT.EPOXIDE	0.002	0.05
ENDOSULFAN 1	0.002	0.05
DIELDRIN	0.001	0.05
4,4'DDE	0.012	0.10
ENDRIN	0.003	0.10
ENDOSULFAN 2	0.010	0.10
4,4' DDD	0.005	0.10
ENDO. SULFATE	0.032	0.10
4,4' DDT	0.003	0.10
METHOXYCHLOR	0.015	0.10
ENDRIN KETONE	0.094	0.50
ENDRIN ALDEHYDE	0.006	0.10
ALPHA-CHLORDANE	0.025	0.10
GAMMA-CHLORDANE	0.002	0.05
TOXAPHENE	0.003	0.05
AROCLOR 1016	1.523	5.00
AROCLOR 1221	0.092	1.00
AROCLOR 1232	0.439	2.00
AROCLOR 1242	0.235	1.00
AROCLOR 1248	0.068	1.00
AROCLOR 1254	0.033	1.00
AROCLOR 1260	0.052	1.00
	0.075	1.00

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S104DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060019DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209330.D 0 28

% Moisture: 10 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/16/93

Injection Volume: 1.0(uL)

Dilution Factor: 10000.0

GPC Cleanup: (Y/N) Y pH: 5.4

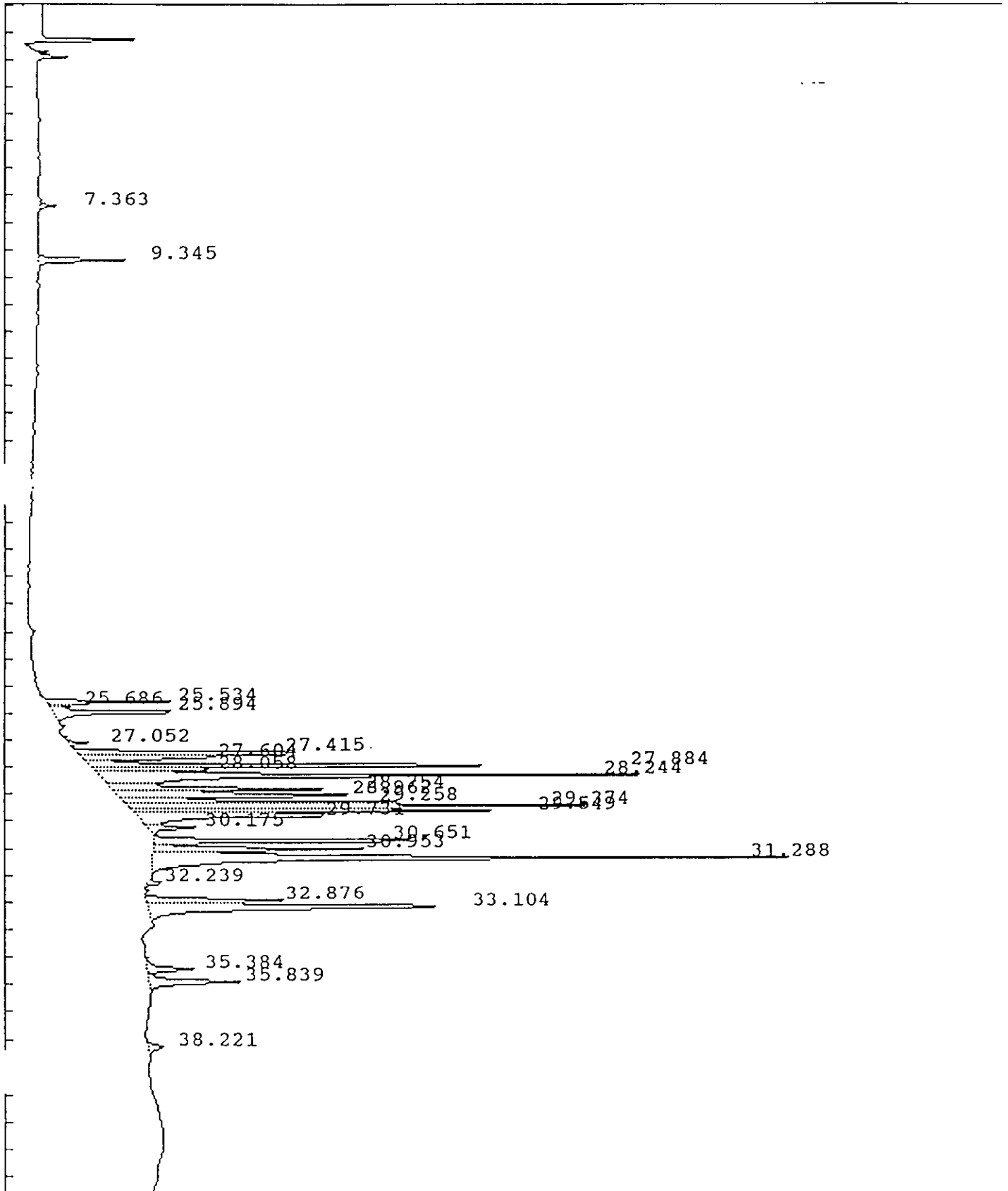
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	370000	U
11104-28-2-----	Aroclor-1221	740000	U
11141-16-5-----	Aroclor-1232	370000	U
53469-21-9-----	Aroclor-1242	370000	U
12672-29-6-----	Aroclor-1248	370000	U
11097-69-1-----	Aroclor-1254	370000	U
11096-82-5-----	Aroclor-1260	860000	PD

IEA Pesticide Standard Report

Sample Name : 00600190S-104 DF=10000 Inj on 2344 16Feb1993
Result File : /DATA/LOOP/RESULT/A1209330.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060019 S-104 DF=10000
 Result File : /DATA/LOOP/RESULT/A1209330.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 2344 16Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 33 Bottle no. : 33

Report No : 438.10
 Inj. Vol. : 10.30 ul

% Dil-Fact
 33333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.36		.101324	20844	BB	0.0000	
2	9.34		.126892	137199	BB	0.0000	
3	25.53		.091039	148840	BV	0.0000	
4	25.69	25.72	.089971	27455	VV	2.8218	gamma-Chlordane
5	25.89		.125140	243245	VB	0.0000	
6	27.05		.085815	24881	BB	0.0000	
7	27.42		.138576	449475	BV	0.0000	
8	27.60		.115216	176951	VV	0.0000	
9	27.88		.102670	657246	VV	0.0000	
10	28.06		.098031	142618	VV	0.0000	
11	28.24		.138703	976028	VV	0.0000	
12	<u>28.75</u>		.121276	354678	VV	0.0000	
13	28.96		.155961	438029	VV	0.0000	
14	29.26	<i>At 1260</i>	.108306	401504	VV	0.0000	
15	<u>29.37</u>	29.32	.111529	651997	VV	100.9998	4,4'-DDT
16	29.55	29.50	.110560	533905	VV	90.3282	Endrin aldehyde
17	29.73		.142175	414939	VV	0.0000	<i>circled</i>
18	30.17		.136059	86218	VB	0.0000	
19	30.65		.108826	431367	BV	0.0000	
20	30.95		.127609	322420	VV	0.0000	
21	<u>31.29</u>		.160611	1272107	VB	0.0000	
22	32.24		.113120	19610	BB	0.0000	
23	32.88		.142024	233825	PV	0.0000	
24	33.10		.189987	721551	VV	0.0000	
25	35.38		.171467	92740	BV	0.0000	
26	35.84		.186142	198182	VB	0.0000	
27	38.22		.211561	34869	BB	0.0000	

Total Area : 9212720 Total PPB : 194.150

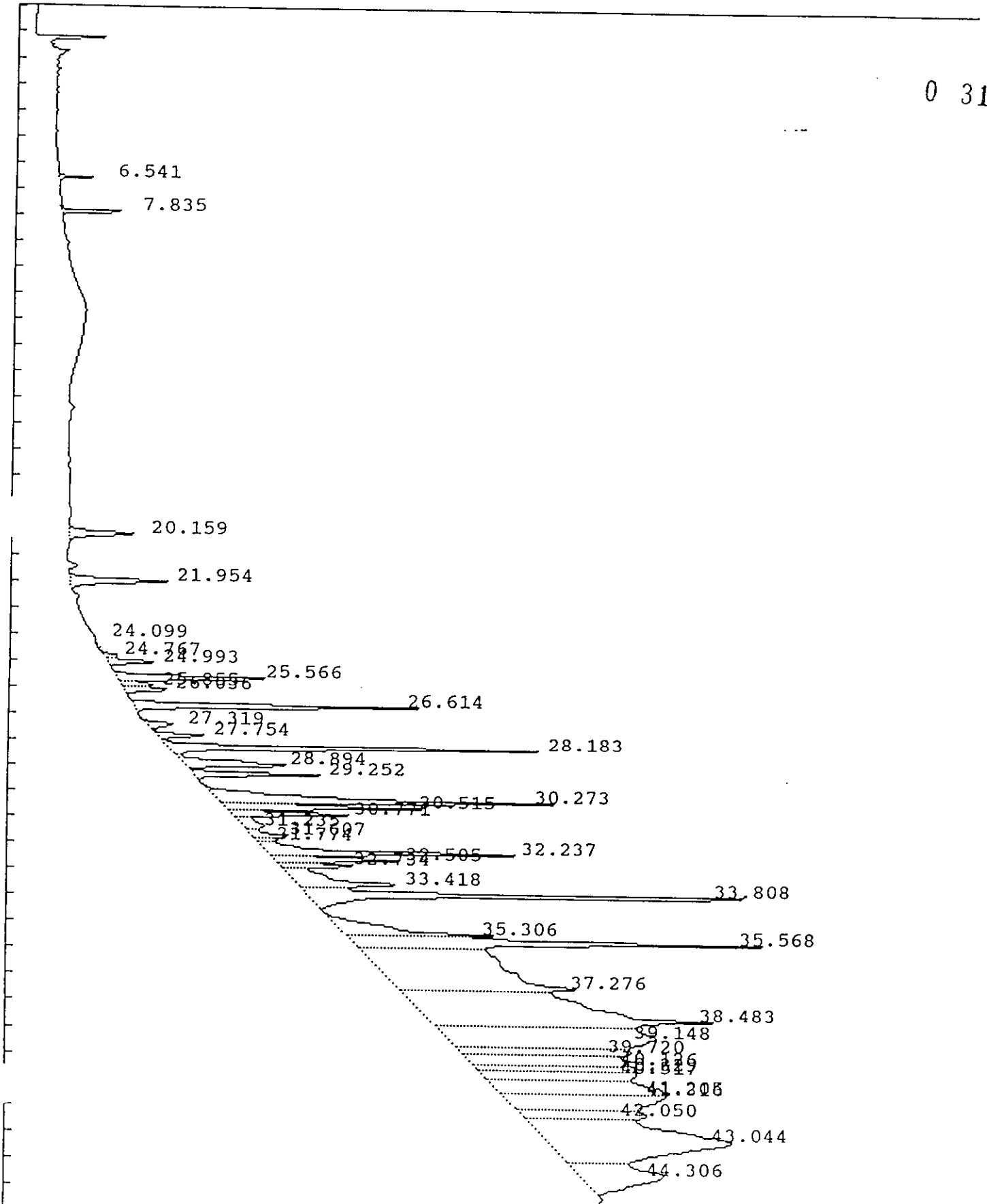
Report Time : 1618 17Feb1993
 Method : /DATA/LOOP/METHOD/A1209_330.MT
 Result File : /DATA/LOOP/RESULT/A1209330.RES

IEA Pesticide Standard Report

Sample Name : 006001905-104 DF=10000
Result File : /DATA/LOOP/RESULT/B5041117.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0421 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul

0 31



IEA Pesticide Standard Report

Sample Name : 0060019 S-104 DF=10000
 Result File : /DATA/LOOP/RESULT/B5041117.RES
 Column Type : DB-1701 30 Meter,0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0421 25Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 18

Report No : 73.00 32
 Inj. Vol. : 1 ul

Bottle no. : 18

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 EndOffBaseline

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	6.54		.065437	14253	BB	0.0000	
2	7.83	7.87	.073869	37671	BB	.8575	Tetrachloro-m-xylene
3	20.16		.191503	62699	BB	0.0000	
4	21.95		.200446	99320	BV	0.0000	
5	24.10	24.12	.079562	1309	BV	.0339	alpha-Chlordane
6	24.77		.103910	7966	PV	0.0000	
7	24.99		.153503	37035	VB	0.0000	
8	25.57		.166014	132975	BV	0.0000	
9	25.85		.148634	24843	VV	0.0000	
10	26.04		.158200	36846	VB	0.0000	
11	26.61		.149406	220404	BB	0.0000	
12	27.32	27.29	.191504	26118	BV	.9943	Endrin
13	27.75		.147468	37448	VV	0.0000	
14	28.18		.150849	297847	VV	0.0000	
15	28.89		.211967	122466	VV	0.0000	
16	29.25		.136923	91228	VV	0.0000	
17	30.27		.203373	360059	PV	0.0000	
18	30.52		.138499	144220	VV	0.0000	
19	30.77		.145969	94726	VV	0.0000	
20	31.23	31.30	.341684	39693	VV	1.9266	4,4'-DDT
21	31.61		.176055	35604	VV	0.0000	
22	31.77		.136428	15134	VV	0.0000	
23	32.24	At 1260	.170042	227345	VV	0.0000	
24	32.50		.147849	99982	VV	0.0000	
25	32.73	32.78	.160191	63757	VV	3.9063	Endrin-aldehyde
26	33.42		.326772	180225	VV	0.0000	
27	33.81		.162480	426927	VV	0.0000	
28	35.31		.282360	212348	PV	0.0000	
29	35.57		.232355	491134	VV	0.0000	
30	37.28		1.124872	1026713	VV	0.0000	at 3/8
31	38.48		.876217	1262142	VV	0.0000	
32	39.15		.753337	782011	VV	0.0000	
33	39.72		.277078	237155	VV	0.0000	
34	40.13		.366852	302536	VV	0.0000	
35	40.33		.170828	134689	VV	0.0000	
36	40.52	#40.48	.319734	246024	VV	6.3243	Decachlorobiphenyl
37	41.20		.506894	420388	VV	0.0000	
38	41.32		.526858	431182	VV	0.0000	
39	42.05		.361082	223739	VV	0.0000	

IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	43.04		1.156924	1045374	VV	0.0000	
41	44.31		.774878	324936	VV	0.0000	

0 33

Total Area : 10078474 Total PPB : 14.043

Report Time : 0510 25Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041117.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S104

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060019

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209331.D0 34

% Moisture: 10 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 5.4

Sulfur Cleanup: (Y/N) N

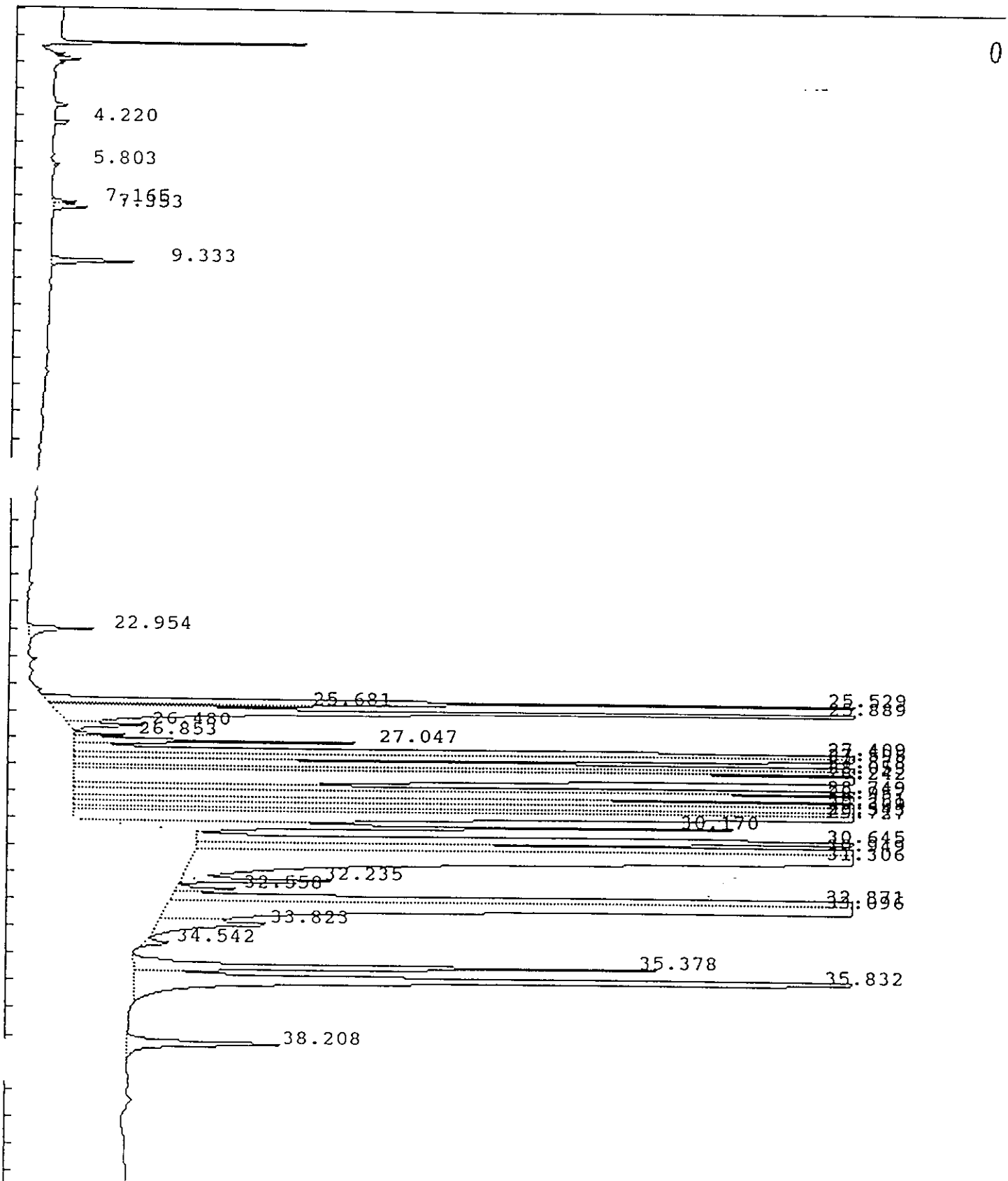
CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

12674-11-2-----	Aroclor-1016	37000	U
11104-28-2-----	Aroclor-1221	74000	U
11141-16-5-----	Aroclor-1232	37000	U
53469-21-9-----	Aroclor-1242	37000	U
12672-29-6-----	Aroclor-1248	37000	U
11097-69-1-----	Aroclor-1254	37000	U
11096-82-5-----	Aroclor-1260	820000	P

IEA Pesticide Standard Report

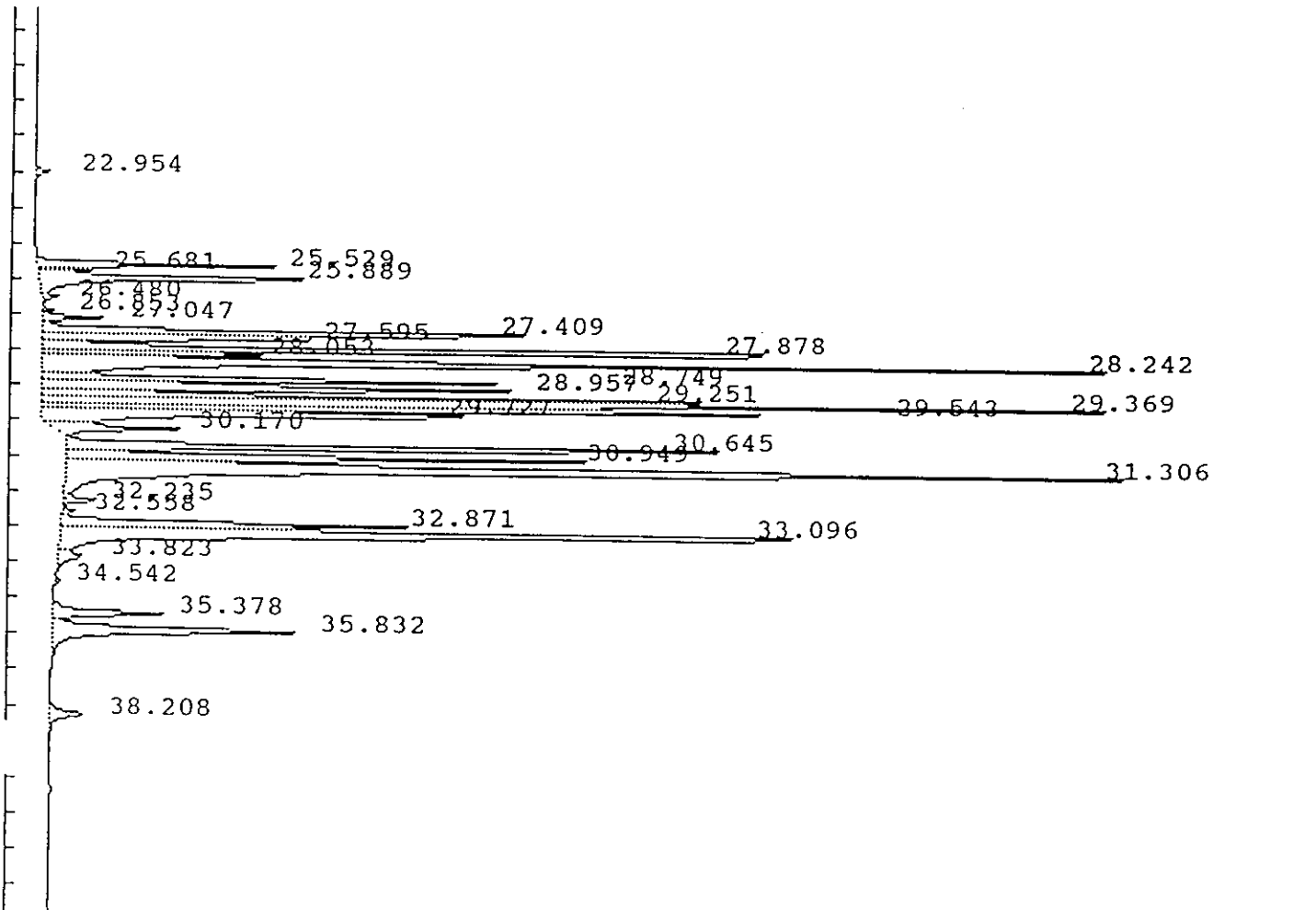
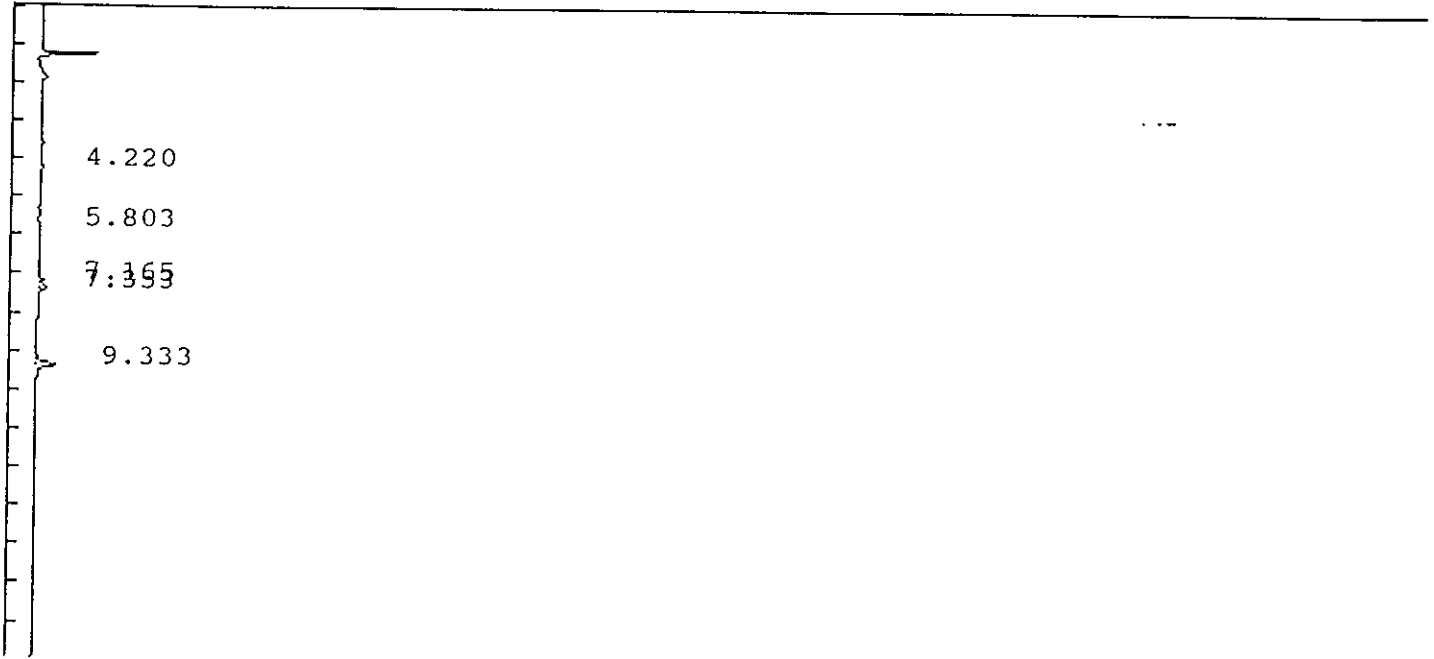
Sample Name : 0060019 S-104 DF=1000 Inj on 0038 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209331.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul

0 35



IEA Pesticide Standard Report

Sample Name : 0060019 S-104 DF=1000 Inj on 0038 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209331.RES INSTRUMENT: HP58901A 36
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060019 S-104 DF=1000 Report No : 439.10
 Result File : /DATA/LOOP/RESULT/A1209331.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0038 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 34 Bottle no. : 34

% Dil-Fact
 3333.00

Run Status : NoReference
 SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.22		.081408	21686	BB	0.0000	
2	5.80		.117377	11098	BB	0.0000	
3	7.17		.101041	30562	BV	0.0000	
4	7.35		.115729	52739	VB	0.0000	
5	9.33		.125004	132809	BB	0.0000	
6	22.95	22.99	.149821	125139	BB	1.2679	Aldrin
7	25.53		.099609	1459739	BV	0.0000	
8	25.68	25.72	.094133	312050	VV	3.2070	gamma-Chlordane
9	25.89		.136238	2482998	VV	0.0000	
10	26.48		.118238	132346	VB	0.0000	
11	26.85		.089202	60477	BV	0.0000	
12	27.05		.103211	384262	VV	0.0000	
13	27.41		.137474	4396474	VV	0.0000	
14	27.60		.119498	1781414	VV	0.0000	
15	27.88		.101640	5961317	GV	0.0000	
16	28.05		.094662	1257372	VV	0.0000	
17	28.24		.142182	8340604	GS	0.0000	
18	28.75		.100764	3185282	HS	0.0000	
19	28.96		.147567	4003927	HS	0.0000	
20	29.25		.096896	3976165	HS	0.0000	
21	29.37	29.32	.120591	7074812	GS	109.5850	4,4'-DDT
22	29.54	29.50	.107469	5141242	HS	86.9738	Endrin-aldehyde
23	29.73		.138199	4204918	HS	0.0000	
24	30.17	<i>At 1260</i>	.142291	1135063	HS	0.0000	
25	30.65		.111814	4918979	BV	0.0000	
26	30.95		.134079	3911062	VV	0.0000	
27	31.31		.220825	12655234	GS	0.0000	
28	32.23		.108084	205832	BT	0.0000	
29	32.56		.105721	81506	BV	0.0000	
30	32.87		.142990	2757773	VV	0.0000	
31	33.10		.179846	8422526	VV	0.0000	
32	33.82		.239118	320093	VB	0.0000	
33	34.54		.124422	36995	BB	0.0000	
34	35.38		.167286	1042831	BV	0.0000	
35	35.83		.201855	2768944	VB	0.0000	
36	38.21		.215752	387435	BB	0.0000	

0.23/p

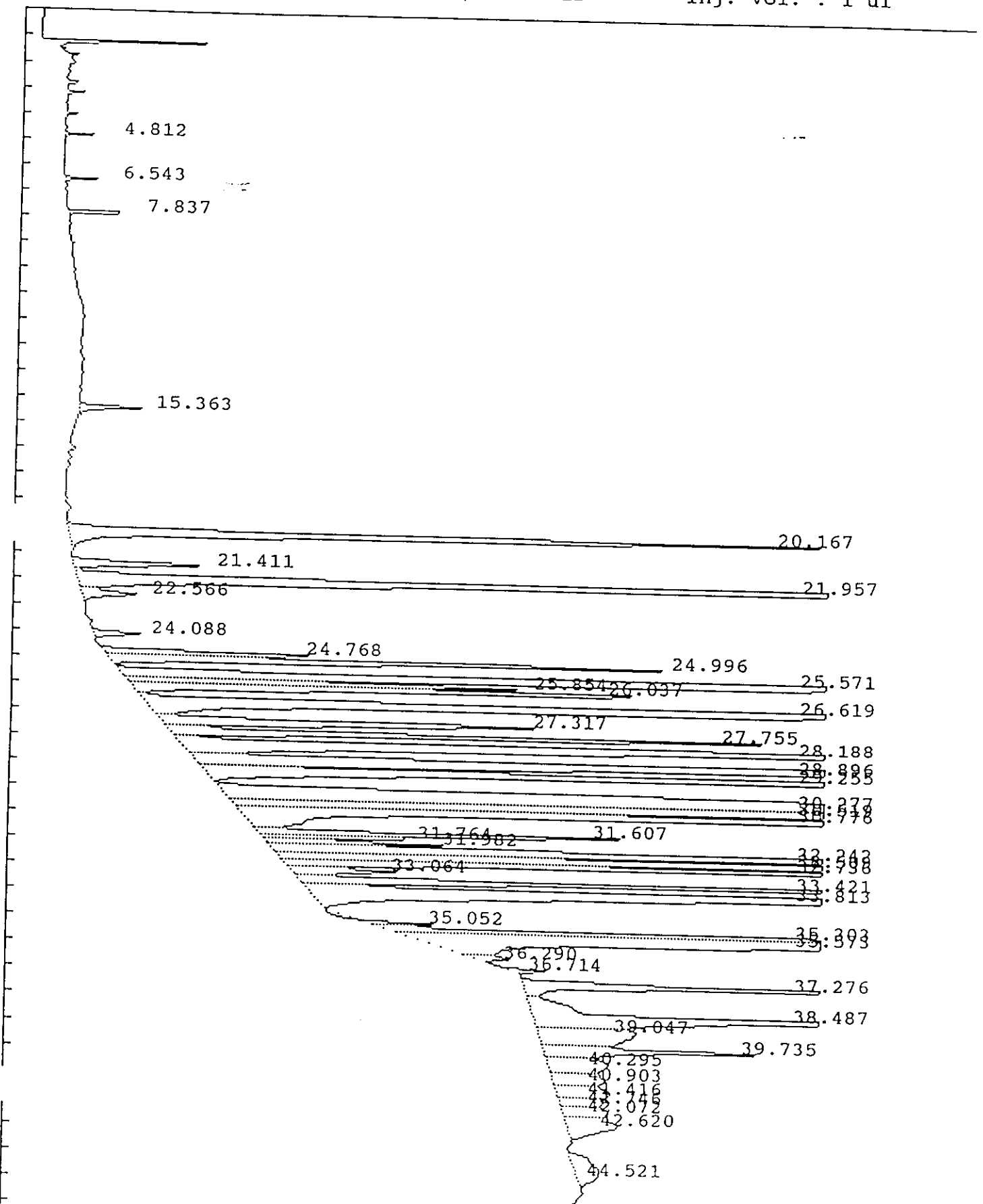
Total Area : 93173712 Total PPB : 201.034

Report Time : 1628 17Feb1993
Method : /DATA/LOOP/METHOD/A1209_331.MT
 IEA Pesticide Standard Report
.esult File : /DATA/LOOP/RESULT/A1209331.RES

IEA Pesticide Standard Report

Sample Name : 0060019 S-104 DF=1000
Result File : /DATA/LOOP/RESULT/B5041118.RES
Column Type : DB-1701 30-Meter,0.53mm ID

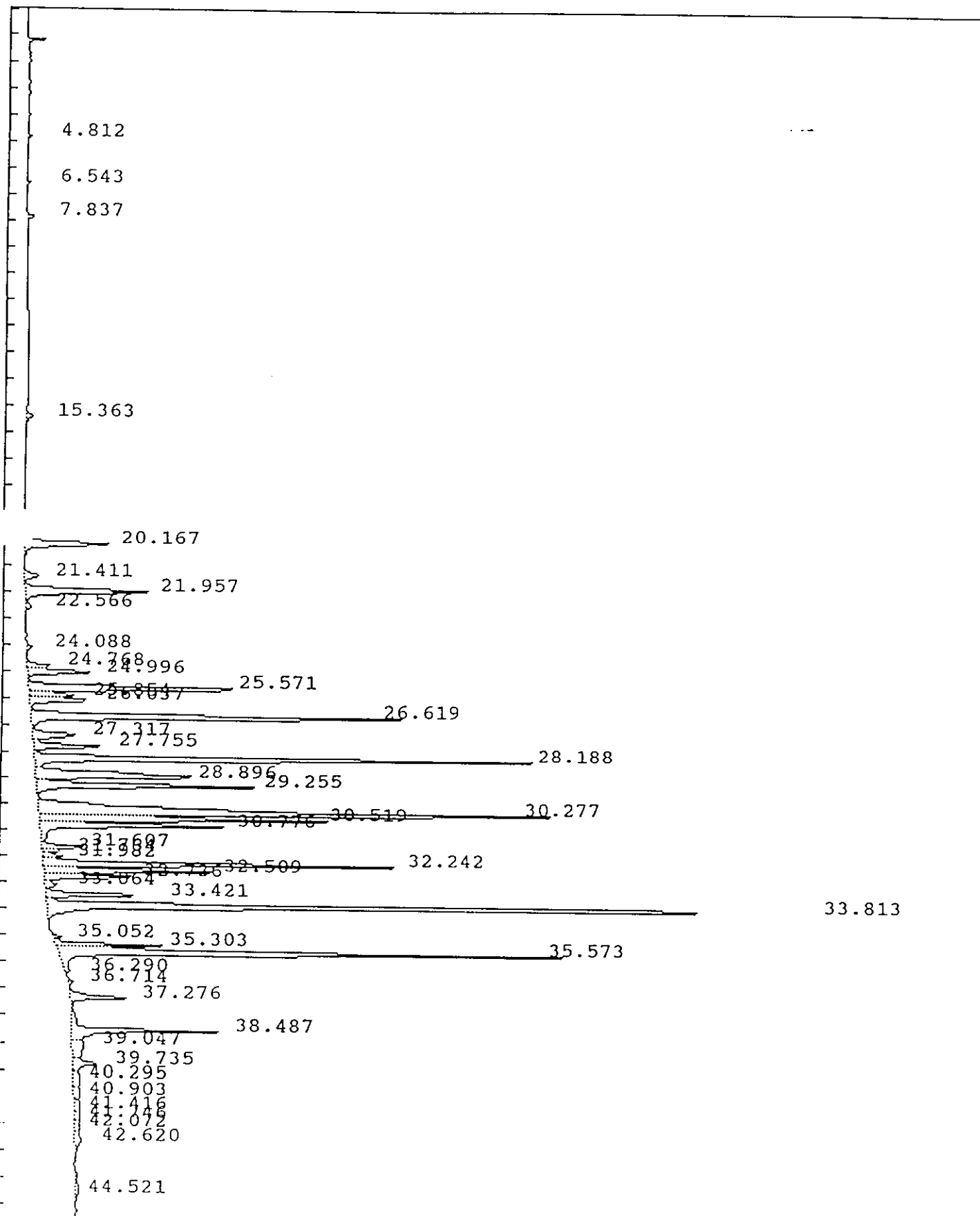
Inj on 0515 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060019 S-104 DF=1000
Result File : /DATA/LOOP/RESULT/B5041118.RES
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0515 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060019 S-104 DF=1000
 Result File : /DATA/LOOP/RESULT/B5041118.RES
 Column Type : DB-1701 30 Meter,0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0515 25Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 19 Bottle no. : 19

Report No : 74.00
 Inj. Vol. : 1 ul

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 EndOffBaseline
 NoReference

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.81		.053396	8923	BB	0.0000	
2	6.54		.065316	10939	BB	0.0000	
3	7.84	7.87	.072952	28243	BB	.6429	Tetrachloro-m-xylene
4	15.36		.138801	38313	BB	0.0000	
5	20.17		.199626	612150	BB	0.0000	
6	21.41		.188342	98187	BV	0.0000	
7	21.96		.201662	907150	VV	0.0000	
8	22.57		.219279	50179	VB	0.0000	
9	24.09	24.12	.166921	33097	BB	.8570	alpha-Chlordane
10	24.77		.144618	131229	BV	0.0000	
11	25.00		.162451	381283	VV	0.0000	
12	25.57		.168419	1347127	PV	0.0000	
13	25.85		.141993	233883	VV	0.0000	
14	26.04		.160531	368924	VV	0.0000	
15	26.62		.159654	2222017	VV	0.0000	
16	27.32	27.29	.216372	333789	VV	12.7070	Endrin
17	27.75		.148649	388761	VV	0.0000	
18	28.19		.152049	2851448	VV	0.0000	
19	28.90		.209220	1322624	VV	0.0000	
20	29.25		.152392	1235784	VV	0.0000	
21	30.28		.197845	3927481	VV	0.0000	
22	30.52		.136942	1466921	VV	0.0000	
23	30.78		.151619	1069991	VV	0.0000	
24	31.61		.136709	227515	VV	0.0000	
25	31.76		.113201	70576	VV	0.0000	
26	31.98		.137194	100669	VV	0.0000	
27	32.24		.130565	1752683	VV	0.0000	
28	32.51	At 126	.129502	828620	VV	0.0000	
29	32.74	32.78	.134114	471420	VV	28.8831	Endrin aldehyde
30	33.06		.176807	79734	VV	0.0000	
31	33.42		.131598	497934	VV	0.0000	
32	33.81		.137498	3920381	VV	0.0000	
33	35.05		.113980	34713	PV	0.0000	(at 13/p)
34	35.30		.119082	483760	VV	0.0000	
35	35.57		.148633	2840415	VV	0.0000	
36	36.29		.157681	26691	VV	0.0000	
37	36.71		.159752	27690	VB	0.0000	
38	37.28		.144485	337105	BV	0.0000	

IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
39	38.49		.158941	900527	VV	0.0000	
40	39.05		.627097	250737	VV	0.0000	
41	39.74		.215835	199873	VV	0.0000	
42	40.29		.535142	132394	VV	0.0000	
43	40.90		.420298	88626	VV	0.0000	
44	41.42		.462640	100306	VV	0.0000	
45	41.75		.300056	52301	VV	0.0000	
46	42.07		.369063	68418	VV	0.0000	
47	42.62		.594421	122424	VV	0.0000	
48	44.52		1.017081	92654	BV	0.0000	

Total Area : 32776604 Total PPB : 43.090

Report Time : 0604 25Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041118.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS6DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060020DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209332.D 0 43

% Moisture: 17 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 6.1

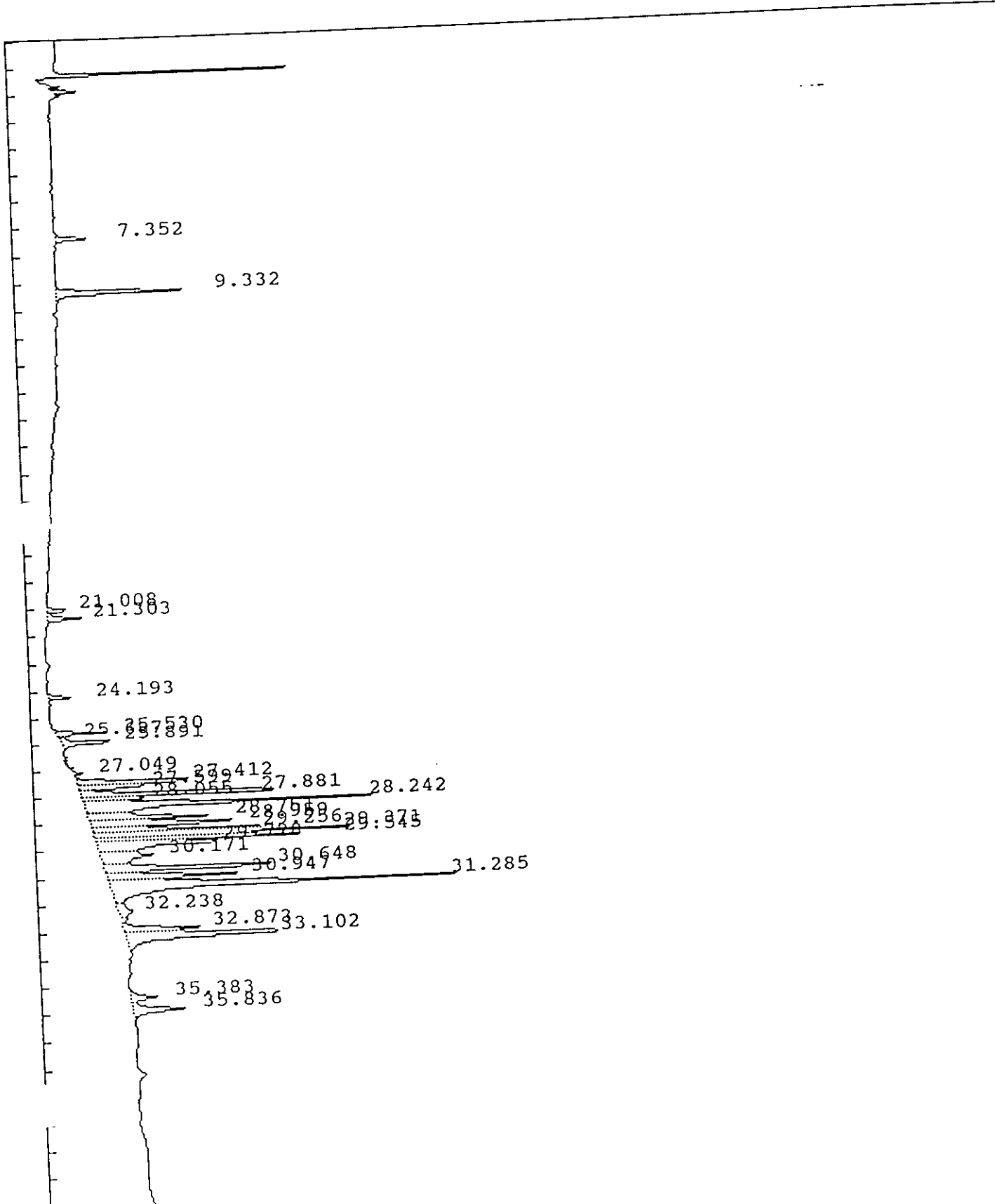
Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	UG/KG	Q
12674-11-2-----	Aroclor-1016	40000	U
11104-28-2-----	Aroclor-1221	81000	U
11141-16-5-----	Aroclor-1232	40000	U
53469-21-9-----	Aroclor-1242	40000	U
12672-29-6-----	Aroclor-1248	40000	U
11097-69-1-----	Aroclor-1254	40000	U
11096-82-5-----	Aroclor-1260	62000	PD

IEA Pesticide Standard Report

Sample Name : 0060020 S-104 DF=1000 Inj on 0133 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209332.RES INSTRUMENT: HP58901A 0 44
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Report No : 440.00

Sample Name : 0060020 S-104 DF=1000
 Result File : /DATA/LOOP/RESULT/A1209332.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0133 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 35 Bottle no. : 35

% Dil-Fact
3333.00

Run Status : RunStatusOK
NoReference

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.35		.109472	46642	BB	0.0000	
2	9.33		.132937	212640	BB	0.0000	
3	21.01		.110493	30437	BV	0.0000	
4	21.30		.124835	52755	VB	0.0000	
5	24.19		.089355	31231	BB	0.0000	
6	25.53		.092538	63318	BV	0.0000	
7	25.69	25.72	.088547	10740	VV	.1104	gamma-Chlordane
8	25.89		.115615	87329	VB	0.0000	
9	27.05		.106864	13629	BB	0.0000	
10	27.41		.140121	224966	BV	0.0000	
11	27.60		.114723	86396	VV	0.0000	
12	27.88		.103476	336159	VV	0.0000	
13	28.05		.095736	72582	VV	0.0000	
14	<u>28.24</u>		.153295	559684	VV	0.0000	
15	28.75		.149848	240604	VV	0.0000	
16	28.96		.172613	289550	VV	0.0000	
17	29.26		.119396	255683	VV	0.0000	
18	<u>29.37</u>	29.32	.117091	366976	VV	5.6843	4,4'-DDT
19	<u>29.55</u>	29.50	.115395	314152	VV	5.3145	Endrin aldehyde
20	29.73		.181722	312738	VV	0.0000	
21	30.17		.279643	179905	VV	0.0000	
22	30.65	AR1260	.136282	319133	VV	0.0000	
23	30.95		.152165	233655	VV	0.0000	
24	<u>31.28</u>		.192917	811366	VV	0.0000	
25	<u>32.24</u>		.303543	58578	VV	0.0000	
26	32.87		.151643	136099	VV	0.0000	
27	33.10		.202794	408679	VV	0.0000	
28	35.38		.184696	57232	BV	0.0000	
29	35.84		.204543	122142	VB	0.0000	

283p

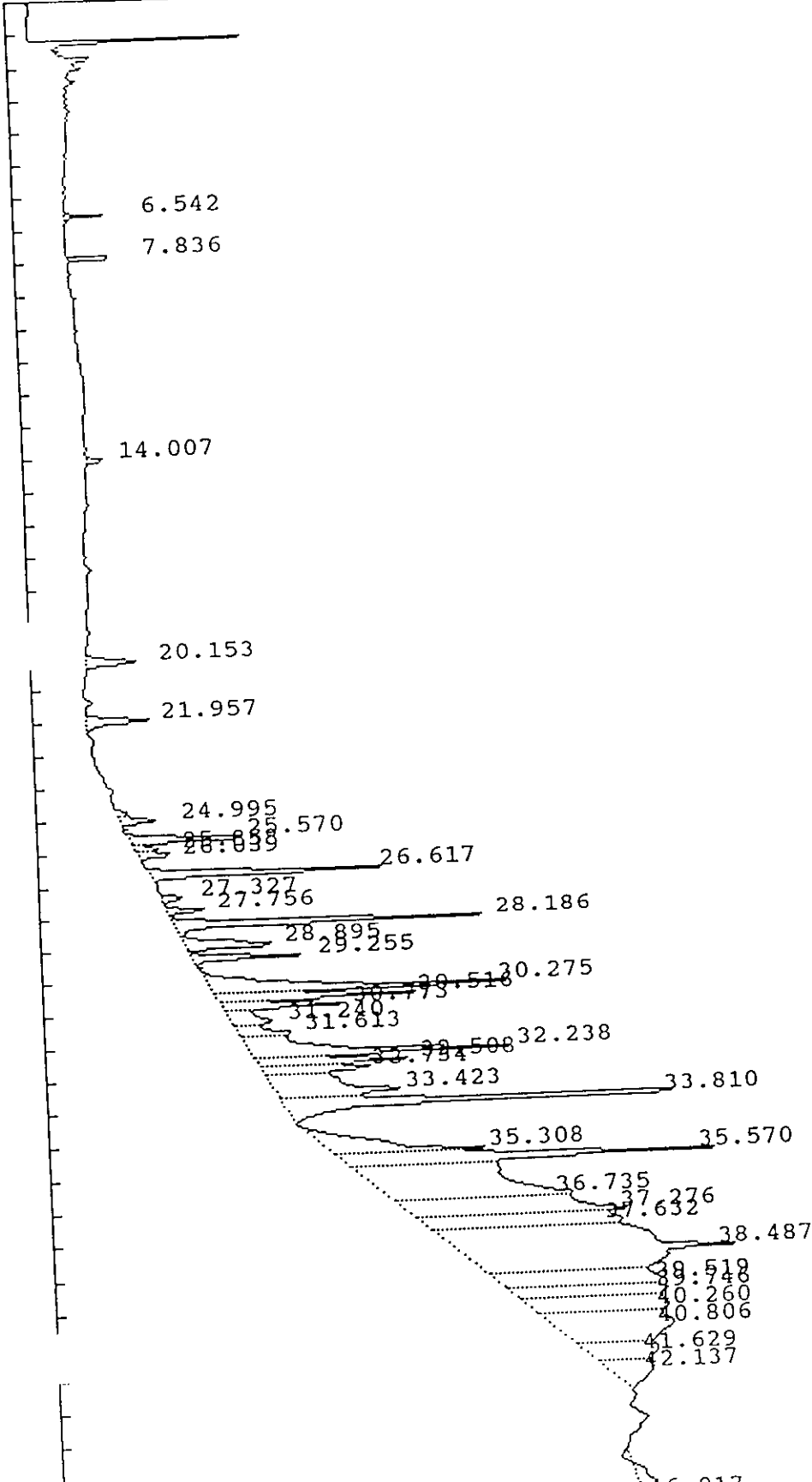
Total Area : 5935002 Total PPB : 11.109

Report Time : 0220 17Feb1993
 Method : /DATA/LOOP/METHOD/A1209.MTH
 Result File : /DATA/LOOP/RESULT/A1209332.RES

IEA Pesticide Standard Report

Sample Name : 0060020/CS-6 DF=1000
Result File : /DATA/LOOP/RESULT/B5041119.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0609 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Report No : 75.00

Sample Name : 0060020 CS-6 DF=1000
 Result File : /DATA/LOOP/RESULT/B5041119.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0609 25Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 20 Bottle no. : 20

% Dil-Fact
3333.00

Run Status : RunStatusOK
EndOffBaseline
NoReference

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	6.54		.064258	9787	BB	0.0000	
2	7.84	7.87	.071693	17230	BB	.3922	Tetrachloro m-xylene
3	14.01		.103314	6928	BB	0.0000	
4	20.15		.205091	32021	BB	0.0000	
5	21.96		.198502	40366	BB	0.0000	
6	24.99		.159911	19148	VB	0.0000	
7	25.57		.160119	63988	BV	0.0000	
8	25.86		.142079	11124	VV	0.0000	
9	26.04		.148763	17295	VV	0.0000	
10	26.62		.145614	111622	PB	0.0000	
11	27.33	27.29	.185992	11988	BV	.4564	Endrin
12	27.76		.138713	18042	PV	0.0000	
13	28.19		.146525	150242	VV	0.0000	
14	28.90		.208951	64756	VV	0.0000	
15	29.25		.136234	47877	PV	0.0000	
16	30.27		.211578	211336	PV	0.0000	
17	30.52		.150089	97357	VV	0.0000	
18	30.77		.160764	64939	VV	0.0000	
19	31.24	31.30	.348902	44118	VV	2.1414	4,4'-DDT
20	31.61		.209149	36509	VV	0.0000	
21	32.24		.244860	212728	VV	0.0000	
22	32.51	At 1260	.168618	82529	VV	0.0000	Endrin-aldehyde
23	32.73	32.78	.201523	71257	VV	4.3658	
24	33.42		.461269	187342	VV	0.0000	
25	33.81		.176652	266433	VV	0.0000	
26	35.31		.329427	161464	PV	0.0000	
27	35.57		.207549	253520	VV	0.0000	
28	36.74		.881217	506292	VV	0.0000	
29	37.28		.463860	317809	VV	0.0000	
30	37.63		.356274	218928	VV	0.0000	
31	38.49		1.023370	902531	VV	0.0000	
32	39.52		.436127	217484	VV	0.0000	
33	39.75		.331266	165197	VV	0.0000	
34	40.26		.461521	199350	VV	0.0000	
35	40.81		.815756	307733	VV	0.0000	
36	41.63		.527179	119323	VV	0.0000	
37	42.14		.581711	84321	VV	0.0000	
38	46.02		1.102796	44669	BB	0.0000	

(Handwritten signature)

Total Area : 5395583 Total PPB :
IEA Pesticide Standard Report

7.356

Report Time : 0658 25Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041119.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS6

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060020

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209333.D0 49

% Moisture: 17 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 6.1

Sulfur Cleanup: (Y/N) N

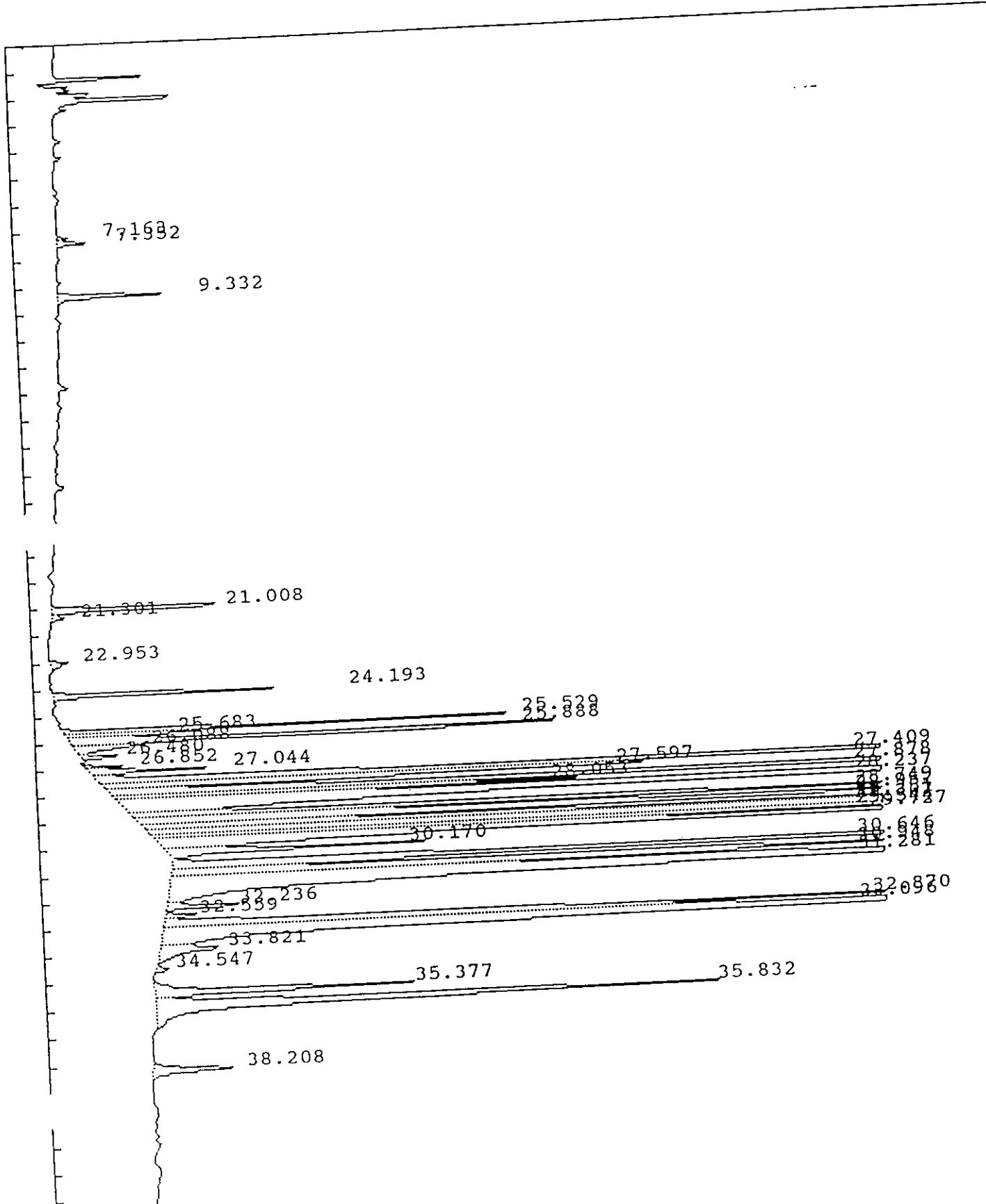
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	4000	U
11104-28-2-----	Aroclor-1221	8100	U
11141-16-5-----	Aroclor-1232	4000	U
53469-21-9-----	Aroclor-1242	4000	U
12672-29-6-----	Aroclor-1248	4000	U
11097-69-1-----	Aroclor-1254	4000	U
11096-82-5-----	Aroclor-1260	44000	C P

IEA Pesticide Standard Report

Sample Name : 0060020 S-104 DF=100
Result File : /DATA/LOOP/RESULT/A1209333.RES
Column Type : RTX-35 30-Meter, 0.53mm ID

Inj on 0226 17Feb1993
INSTRUMENT: HP58901A
Inj. Vol. : 1 ul

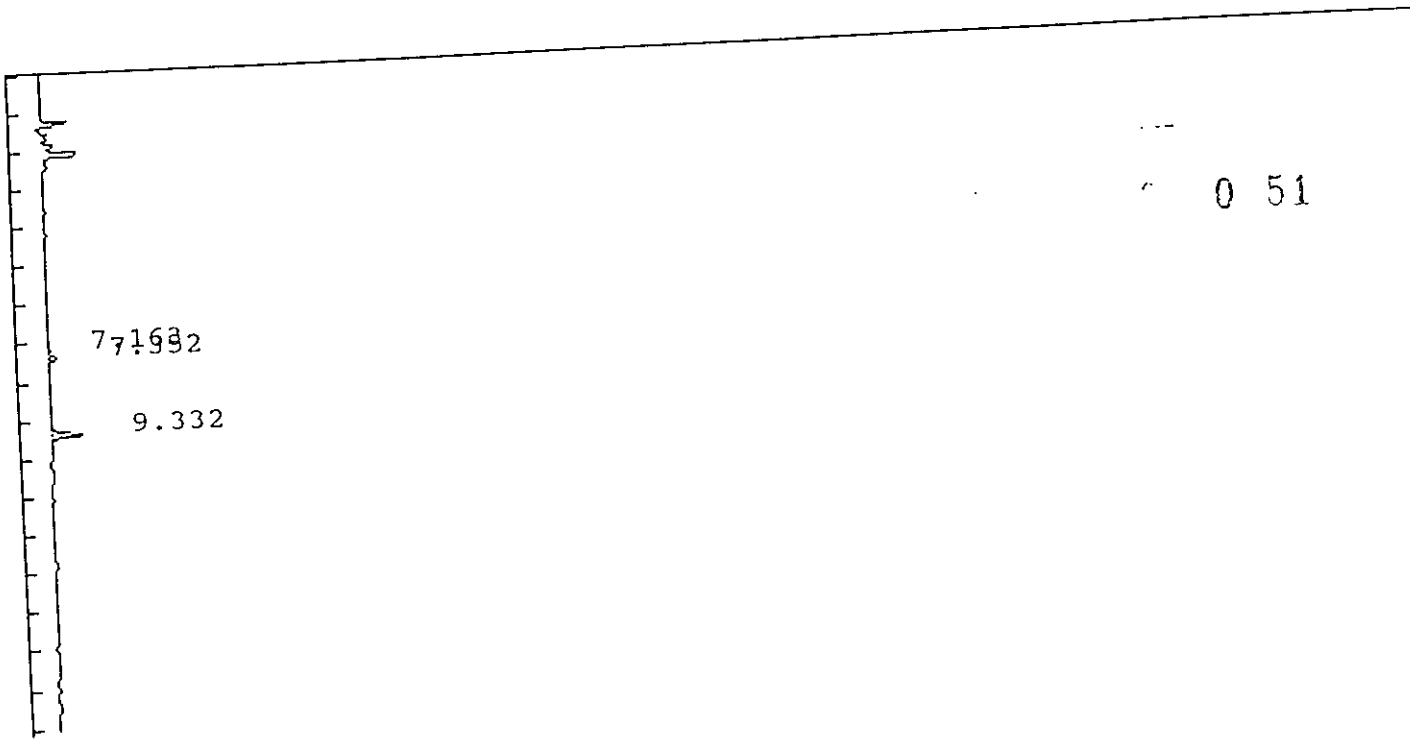


IEA Pesticide Standard Report

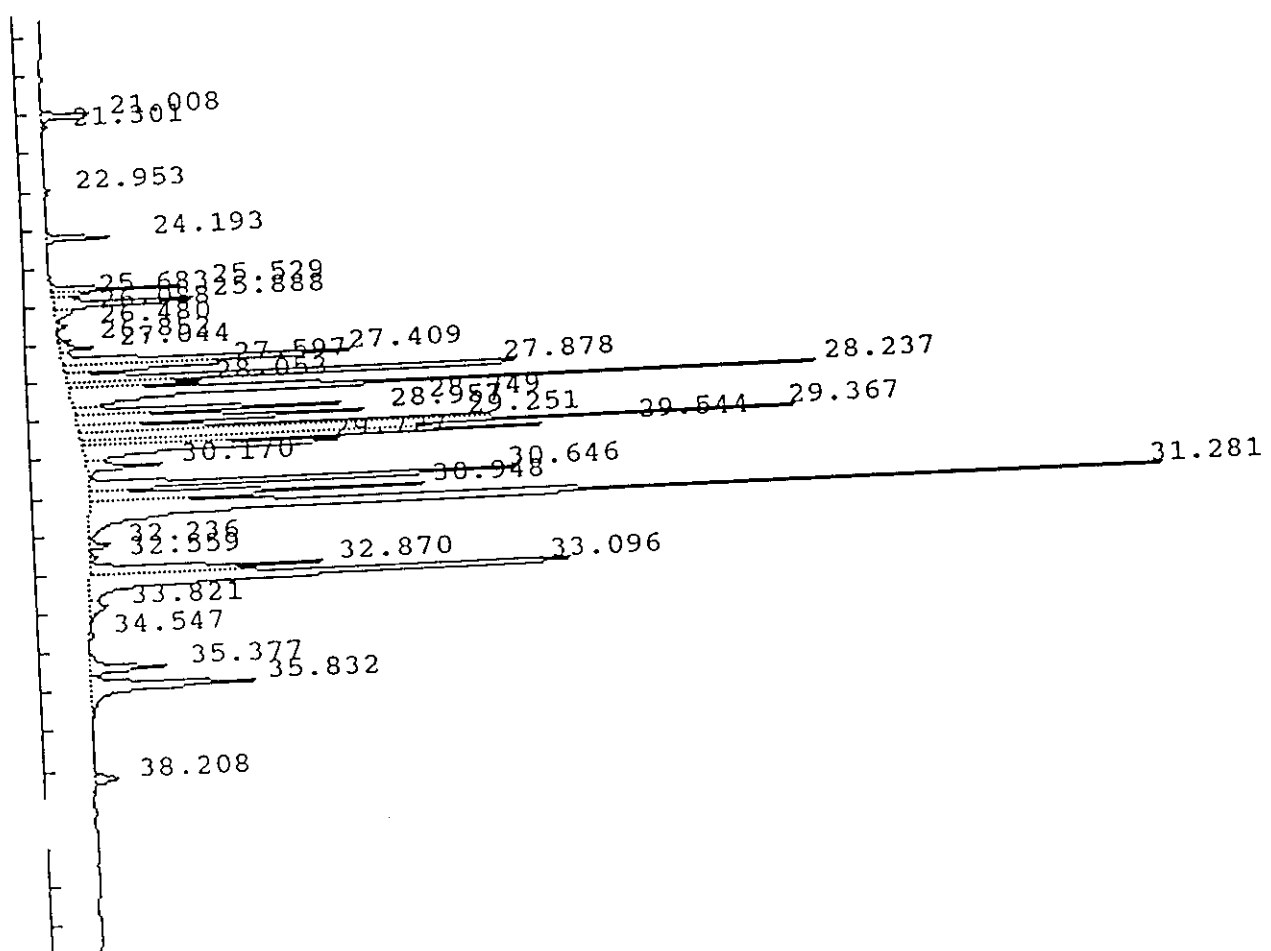
Sample Name : 0060020 S-104 DF=100
Result File : /DATA/LOOP/RESULT/A1209333.RES
Column Type : RTX-35 30-Meter, 0.53mm ID

Inj on 0226 17Feb1993

INSTRUMENT: HP58901A
Inj. Vol. : 1 ul



0 51



IEA Pesticide Standard Report

Report No : 441.10

Sample Name : 0060020 S-104 DF=100
 Result File : /DATA/LOOP/RESULT/A1209333.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0226 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 36 Bottle no. : 36

Inj. Vol. : 1 ul

0 52

% Dil-Fact
3333.00

Run Status : RunStatusOK
NoReference

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.16		.095912	12880	BV	0.0000	
2	7.35		.114338	43692	VB	0.0000	
3	9.33		.125902	169584	BB	0.0000	
4	21.01		.113849	289766	BV	0.0000	
5	21.30		.115231	18107	VB	0.0000	
6	22.95	22.99	.165411	37116	BB	.3761	Aldrin
7	24.19		.086015	297719	BV	0.0000	
8	25.53		.095450	560218	BV	0.0000	
9	25.68	25.72	.097902	132351	VV	1.3602	gamma-Chlordane
10	25.89		.114635	812675	VV	0.0000	
11	26.09		.156849	134268	VV	0.0000	
12	26.48		.089837	50657	VV	0.0000	
13	26.85		.099823	51803	BV	0.0000	
14	27.04		.099110	159210	VV	0.0000	
15	27.41		.138735	1939038	VV	0.0000	
16	27.60		.115106	749348	VV	0.0000	
17	27.88		.096734	2684469	VV	0.0000	
18	28.05		.093065	559816	VV	0.0000	
19	28.24		.117889	4028376	VV	0.0000	
20	28.75		.097179	1360298	VV	0.0000	
21	28.96		.146052	1810029	VV	0.0000	
22	29.25		.100925	1893382	VV	0.0000	
23	29.37	29.32	.106346	3351728	VV	51.9164	4,4'-DDT
24	29.54	29.50	.103248	2327384	VV	39.3721	Endrin-aldehyde
25	29.73		.126552	1743945	VV	0.0000	
26	30.17	AR1260	.122245	414475	VB	0.0000	
27	30.65		.111005	2378028	BV	0.0000	
28	30.95		.130199	1823509	VV	0.0000	
29	31.28		.150867	7008738	VV	0.0000	
30	32.24		.119816	121093	VB	0.0000	
31	32.56		.110401	44816	BV	0.0000	
32	32.87		.139895	1340367	VV	0.0000	
33	33.10		.178165	4029894	VV	0.0000	
34	33.82		.253052	182334	VB	0.0000	
35	34.55		.130991	21056	BB	0.0000	
36	35.38		.164749	512290	BV	0.0000	
37	35.83		.203229	1379563	VB	0.0000	
38	38.21		.200592	188942	BB	0.0000	

AS3/P

Total Area : 44662968 Total PPB : 93.025

IEA Pesticide Standard Report

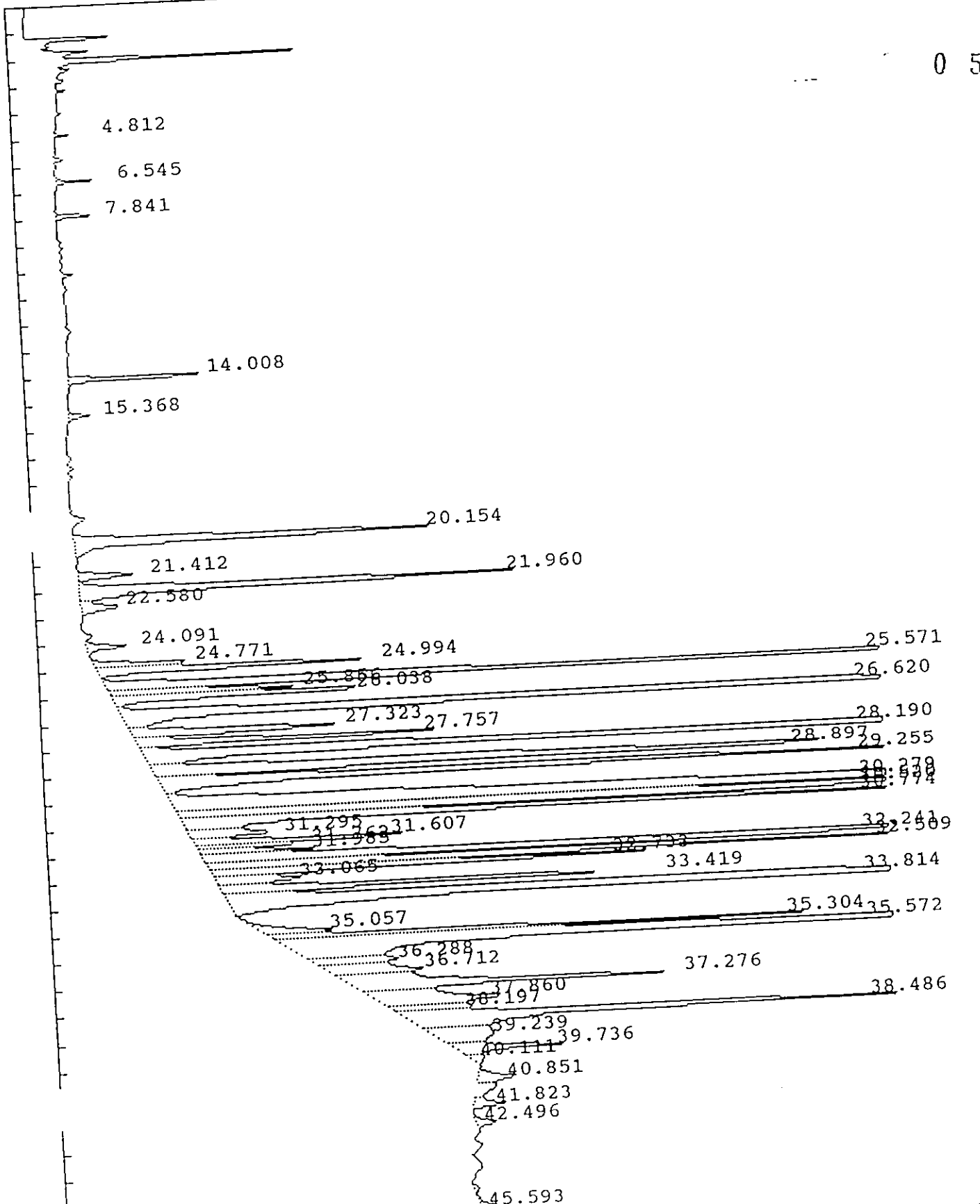
Report Time : 1635 17Feb1993
Method : /DATA/LOOP/METHOD/A1209_331.MT
Result File : /DATA/LOOP/RESULT/A1209333.RES

IEA Pesticide Standard Report

Sample Name : 0060020 CS-6 DF=100
Result File : /DATA/LOOP/RESULT/B5041120.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0702 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul

0 54

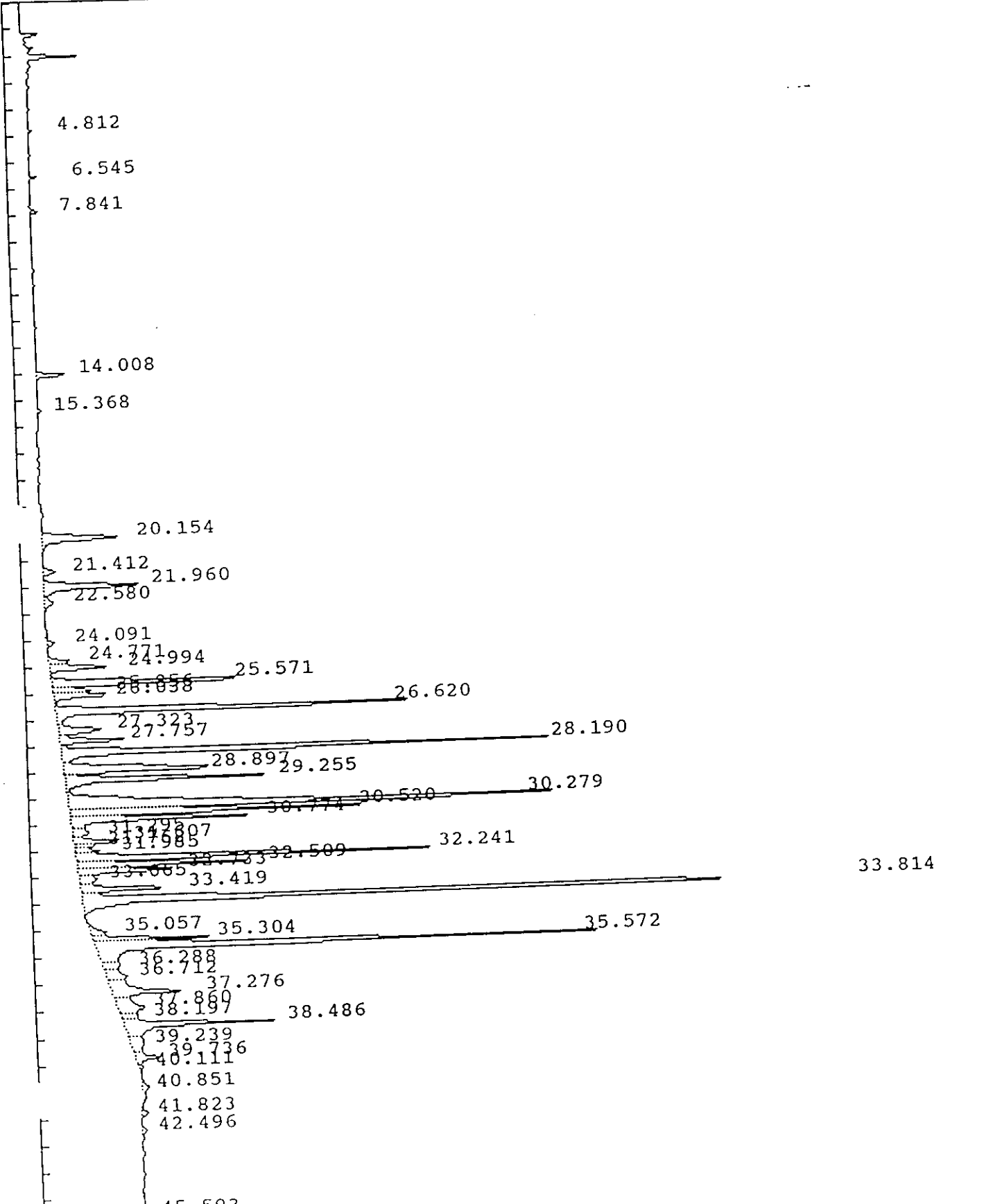


IEA Pesticide Standard Report

Sample Name : 0060020 CS-6 DF=100
Result File : /DATA/LOOP/RESULT/B5041120.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0702 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul

0 55



IEA Pesticide Standard Report

Sample Name : 0060020 CS-6 DF=100 Report No : 76.00
 Result File : /DATA/LOOP/RESULT/B5041120.RES
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0702 25Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 21 Bottle no. : 21

% Dil-Fact
3333.00

Run Status : RunStatusOK
EndOffBaseline
NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.81		.052793	4176	BB	0.0000	
2	6.55		.070915	12434	BB	0.0000	
3	7.84	7.87	.089650	16114	BB	.3668	Tetrachloro-m-xylene
4	14.01		.110056	69691	BB	0.0000	
5	15.37		.147005	12527	BB	0.0000	
6	20.15		.226962	315229	BB	0.0000	
7	21.41		.185278	40606	BV	0.0000	
8	21.96		.208516	358360	VV	0.0000	
9	22.58		.269580	40573	VB	0.0000	
10	24.09	24.12	.192199	30402	VV	.7873	alpha-Chlordane
11	24.77		.146967	57817	PV	0.0000	
12	24.99		.168800	181045	VV	0.0000	
13	25.57		.168273	614592	VV	0.0000	
14	25.86		.145086	106837	VV	0.0000	
15	26.04		.164021	176123	VV	0.0000	
16	26.62		.160884	1076565	VV	0.0000	
17	27.32	27.29	.227944	181917	VV	6.9254	Endrin
18	27.76		.155818	197209	VV	0.0000	
19	28.19		.151290	1388991	VV	0.0000	
20	28.90		.214892	641479	VV	0.0000	
21	29.25		.160403	598079	VV	0.0000	
22	30.28		.197887	1889847	VV	0.0000	
23	30.52		.139786	756883	VV	0.0000	
24	30.77		.152278	521937	VV	0.0000	
25	31.29	31.30	.237334	76735	VV	3.7246	4,4'-DDT
26	31.61		.147437	133756	VV	0.0000	
27	31.76		.119646	47685	VV	0.0000	
28	31.98		.144008	64790	VV	0.0000	
29	32.24	Ak (26)	.133009	906519	VV	0.0000	
30	32.51		.137603	446297	VV	0.0000	
31	32.73	32.78	.151970	283809	VV	17.3885	Endrin-aldehyde
32	33.07		.219730	75401	VV	0.0000	
33	33.42		.150729	266464	VV	0.0000	
34	33.81		.137827	1974967	VV	0.0000	
35	35.06		.225455	64483	PV	0.0000	
36	35.30		.125998	279012	VV	0.0000	
37	35.57		.160655	1539438	VV	0.0000	
38	36.29		.220970	73038	VV	0.0000	

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IEA Pesticide Standard Report

Peak#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
39	36.71		.337112	123723	VV	0.0000	
40	37.28		.243103	339335	VV	0.0000	
41	37.86		.403077	205760	VV	0.0000	
42	38.20		.214442	68318	VV	0.0000	
43	38.49		.178457	524580	VV	0.0000	
44	39.24		.553235	130288	VV	0.0000	
45	39.74		.190999	91676	VV	0.0000	
46	40.11		.266984	17079	VB	0.0000	
47	40.85		.296157	42962	BV	0.0000	
48	41.82		.210659	27507	VB	0.0000	
49	42.50		.201688	16876	BB	0.0000	
50	45.59		.456873	28645	BV	0.0000	

Total Area : 17138584 Total PPB : 29.193

Report Time : 0752 25Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041120.RES

QUANT REPORT

Operator ID: USER1
Output File: <H8999::A6
Data File: >H8999::A1
Name: 0060;;;DS-6
Misc: 0060020

Quant Rev: 2
Quant Time: 930304 11:07
Injected at: 930225 00:54
Dilution Factor: 1.00000
Instrument ID: INST H
BITL#37

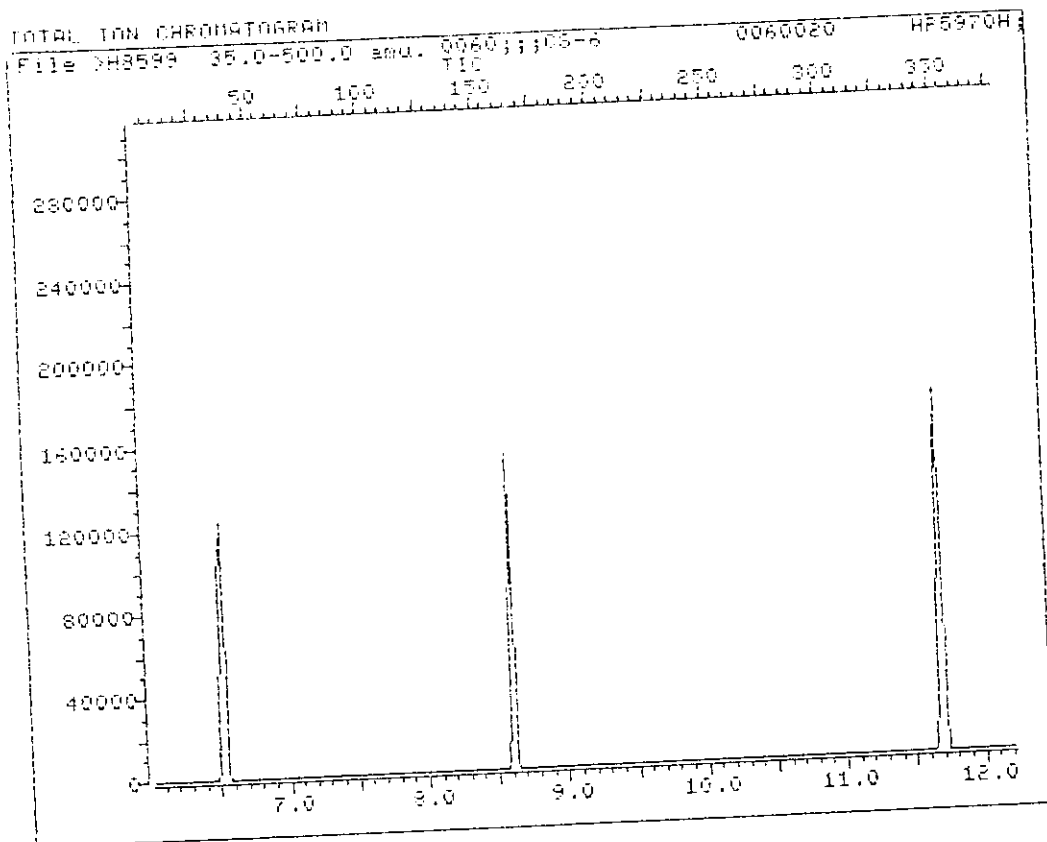
0 58

ID File: I_PCB::SC
Title: PCB Idfile
Last Calibration:

Last Qual Time: 930224 18:15

Compound	R.T.	Q ion	Area	Conc	Units	Q
4) *Phenanthrene-d10	14.31	187.9	161491	40.00	UG	100
23) *Chrysene-d12	19.14	240.0	159846	40.00	UG	95
✓24) Aroclor-1260 (1)	17.85	360.0	148	148.00	NG CALIB	97
✓25) Aroclor-1260 (2)	17.85	362.0	129	129.00	NG CALIB	97
✓26) Aroclor-1260 (3)	19.28	394.0	87	87.00	NG CALIB	74

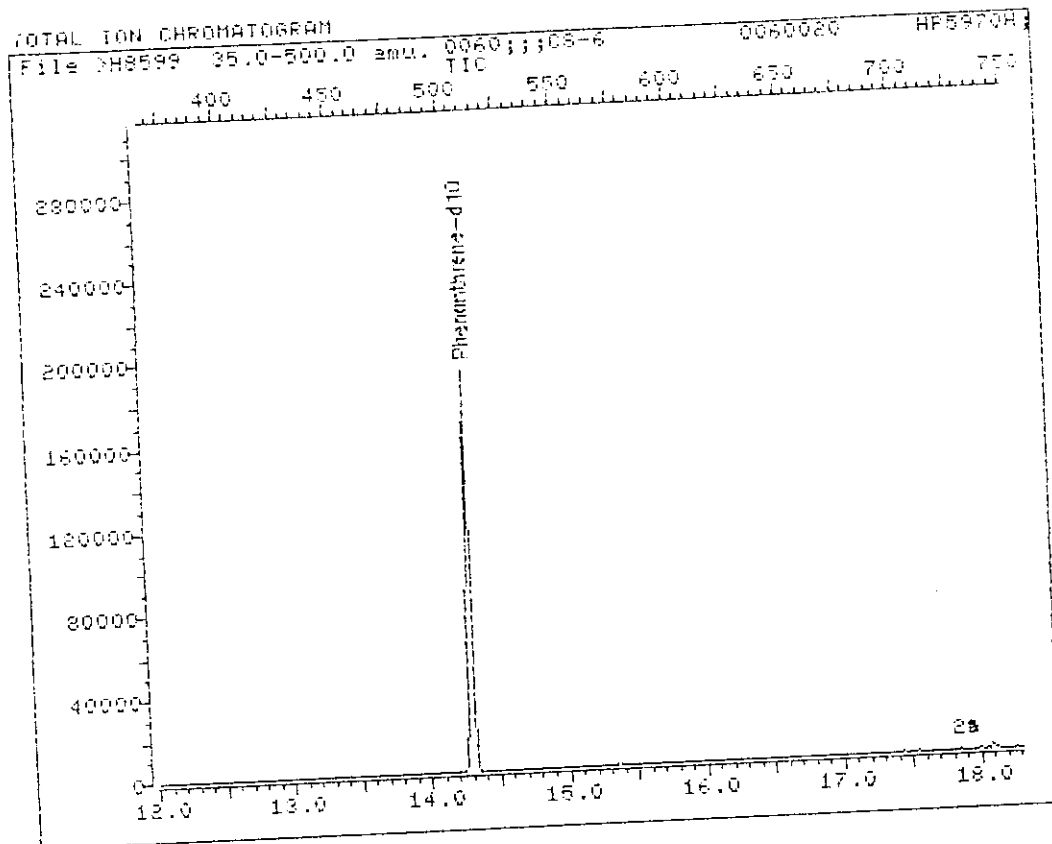
* Compound is ISTD



Data File: >H8599::A1 Quant Output File: ^H8599::A6
Name: 0060;;;CS-6 Instrument ID: INST H
Misc: 0060020 HP5970H;;;LLW;1;;;H1030 BTL#37

Id File: I_PCB::SC
Title: PCB Idfile
Last Calibration: : Last Qual Time: 930224 18:15

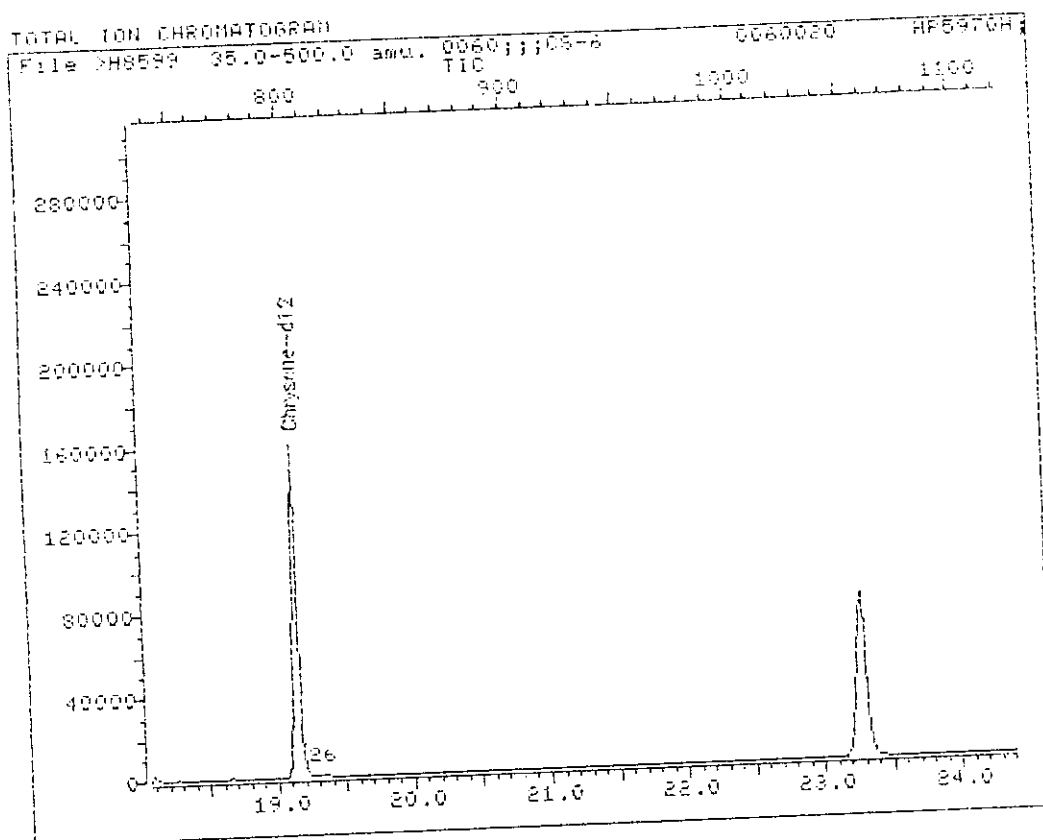
Operator ID: USER1
Quant Time : 930304 11:07
Injected at: 930225 00:54



Data File: >H8599::A1 Quant Output File: ^H8599::A6
 Name: 0060;;;CS-6 Instrument ID: INST H
 Misc: 0060020 HP5970H;;;LLM;1;;;H1030 BTL#37

Id File: I_PCB::SC
 Title: PCB Idfile
 Last Calibration: : Last Qual Time: 930224 18:19

Operator ID: USER1
 Quant Time : 930304 11:07
 Injected at: 930225 00:54



Data File: >H8599::A1
Name: 0060;;;CS-6
Misc: 0060020

Quant Output File: ^H8599::A6
Instrument ID: INST H

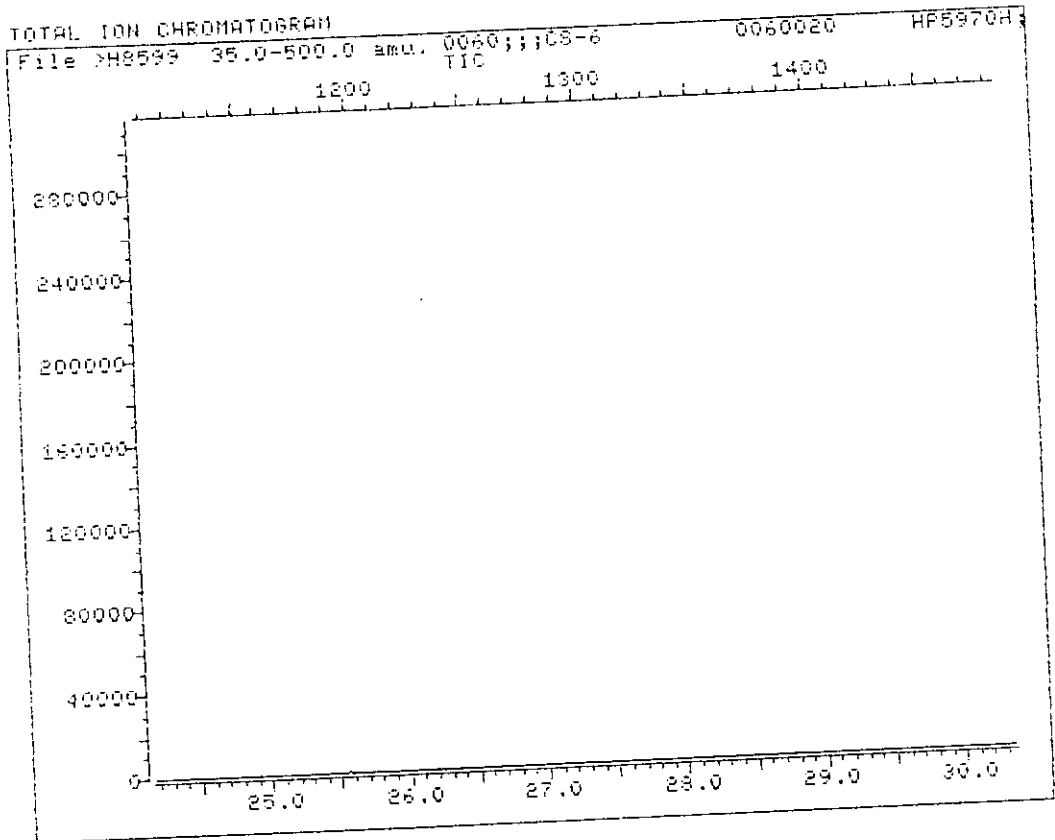
HP5970H;;;LLW;1;;;H1030

BTL#37

Id File: I_PCB::SC
Title: PCB Idfile
Last Calibration:

Last Qual Time: 930224 18:19

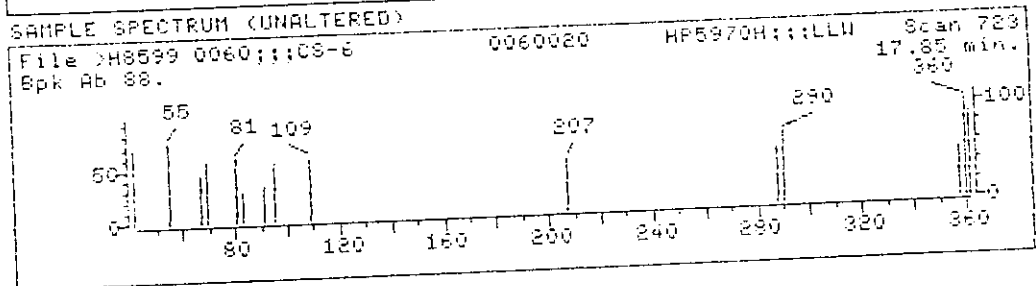
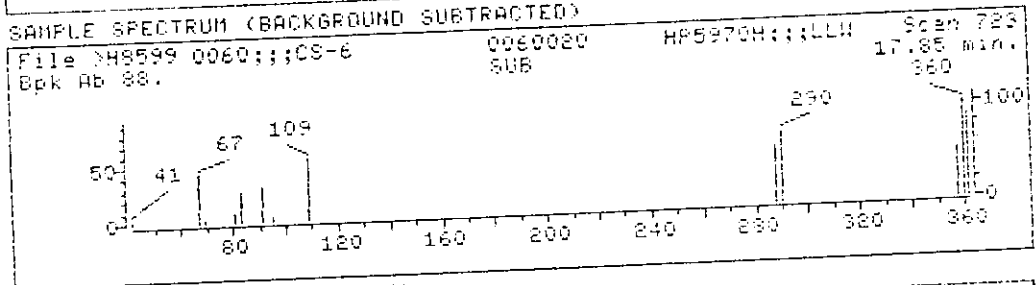
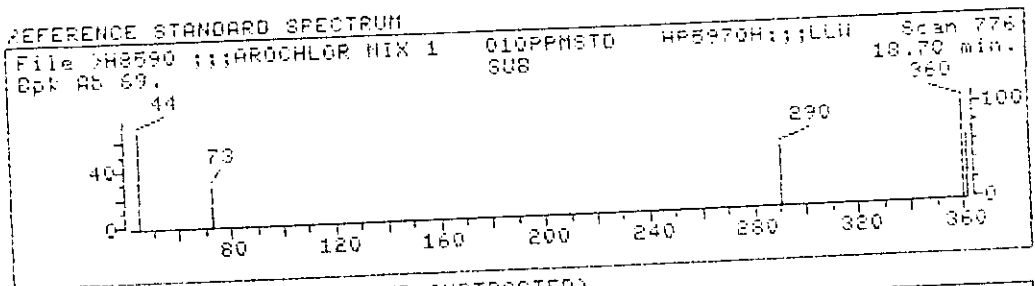
Operator ID: USER1
Quant Time : 930304 11:07
Injected at: 930225 00:54



Data File: >H8599::A1 Quant Output File: >H8599::A6
Name: 0060;;;CS-6 Instrument ID: INST H
Misc: 0060020 HP5970H;;;LLM;1;;;H1030 BTL#37

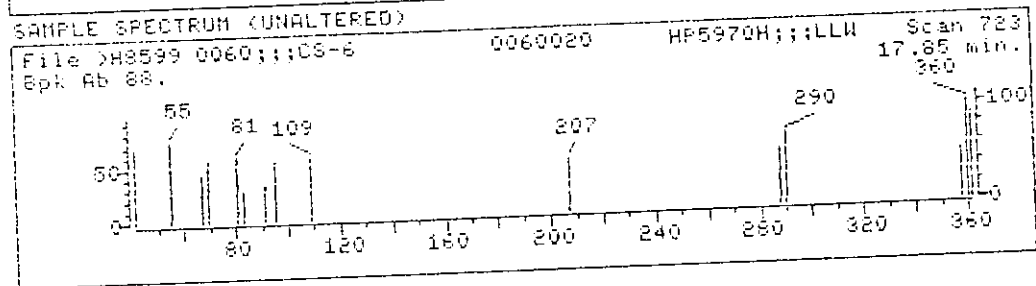
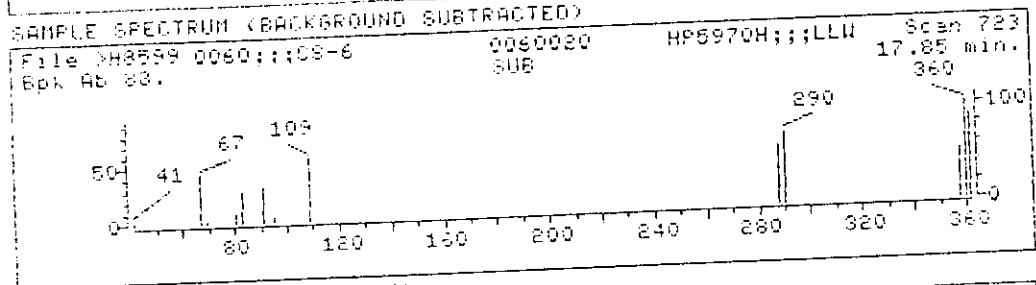
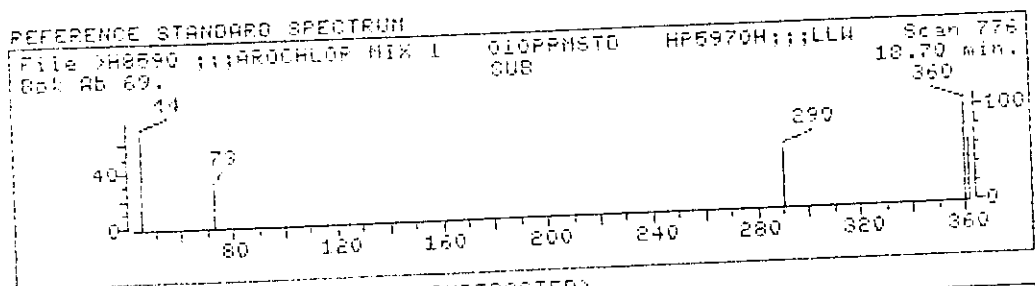
Id File: I_PCB::SC
Title: PCB Idfile
Last Calibration: : Last Qual Time: 930224 18:15

Operator ID: USER1
Quant Time : 930304 11:07
Injected at: 930225 00:54



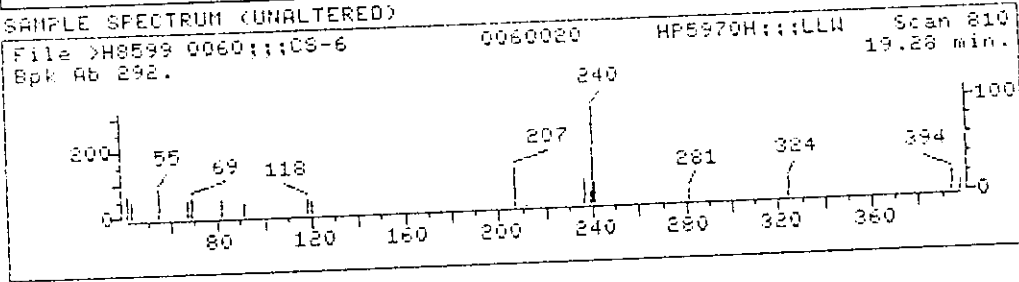
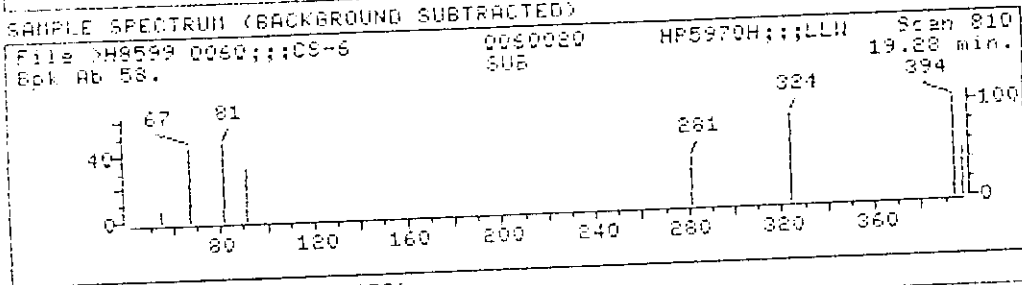
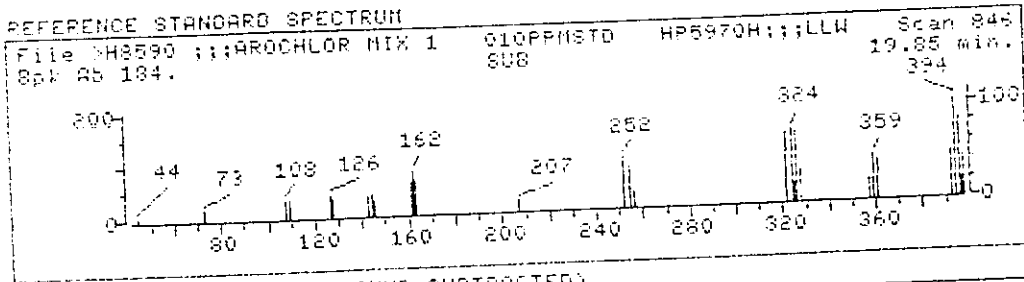
Data File: >H8599::A1 Quant Output File: ^H8599::A6
 Name: 0060;;;CS-6 Instrument ID: INST H
 Misc: 0060020 HP5970H;;;LLW;1;;;H1030 STL#37
 Quant Time: 930304 11:07 Quant ID File: I_PCB::SC
 Injected at: 930225 00:54 Last Calibration: :
 Last Qual Time: 930224 18:15

Compound No : 24
 Compound Name : Arochlor-1260 (1)
 Scan Number : 723
 Retention Time : 17.85 min.
 Quant Ion : 360.0
 Area : 148
 Concentration : 148.00 NO CALIB
 q-value : 97



Data File: >H8599::A1 Quant Output File: ^H8599::A6
 Name: 0060;;;CS-6 Instrument ID: INST H
 Misc: 0060020 HP5970H;;;LLW;1;;;H1030 BTL#37
 Quant Time: 930304 11:07 Quant ID File: I_PCB::SC
 Injected at: 930229 00:54 Last Calibration: :
 Last Cal Time: 930224 18:15

Compound No : 25
 Compound Name : Arochlor-1260 (2)
 Scan Number : 723
 Retention Time: 17.85 min.
 Quant Ion : 362.0
 Area : 129
 Concentration : 129.00 NO CALIB
 q-value : 97



Data File: >H8599::A1 Quant Output File: ^H8599::A6
 Name: 0060;;;CS-6 Instrument ID: INST H
 Misc: 0060020 HP5970H;;;LLW;1;;;H1030 BTL#37
 Quant Time: 930304 11:07 Quant ID File: I_PCB::SC
 Injected at: 930225 00:54 Last Calibration: :
 Last Qcal Time: 930224 18:15

Compound No : 26
 Compound Name : Aroclor-1260 (3)
 Scan Number : 810
 Retention Time: 19.28 min.
 Quant Ion : 394.0
 Area : 87
 Concentration : 87.00 NO CALIB
 q-value : 74

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S107DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060021DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209334.D

% Moisture: 16

decanted: (Y/N) N

Date Received: 01/27/93

0 66

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y

pH: 5.9

Sulfur Cleanup: (Y/N) N

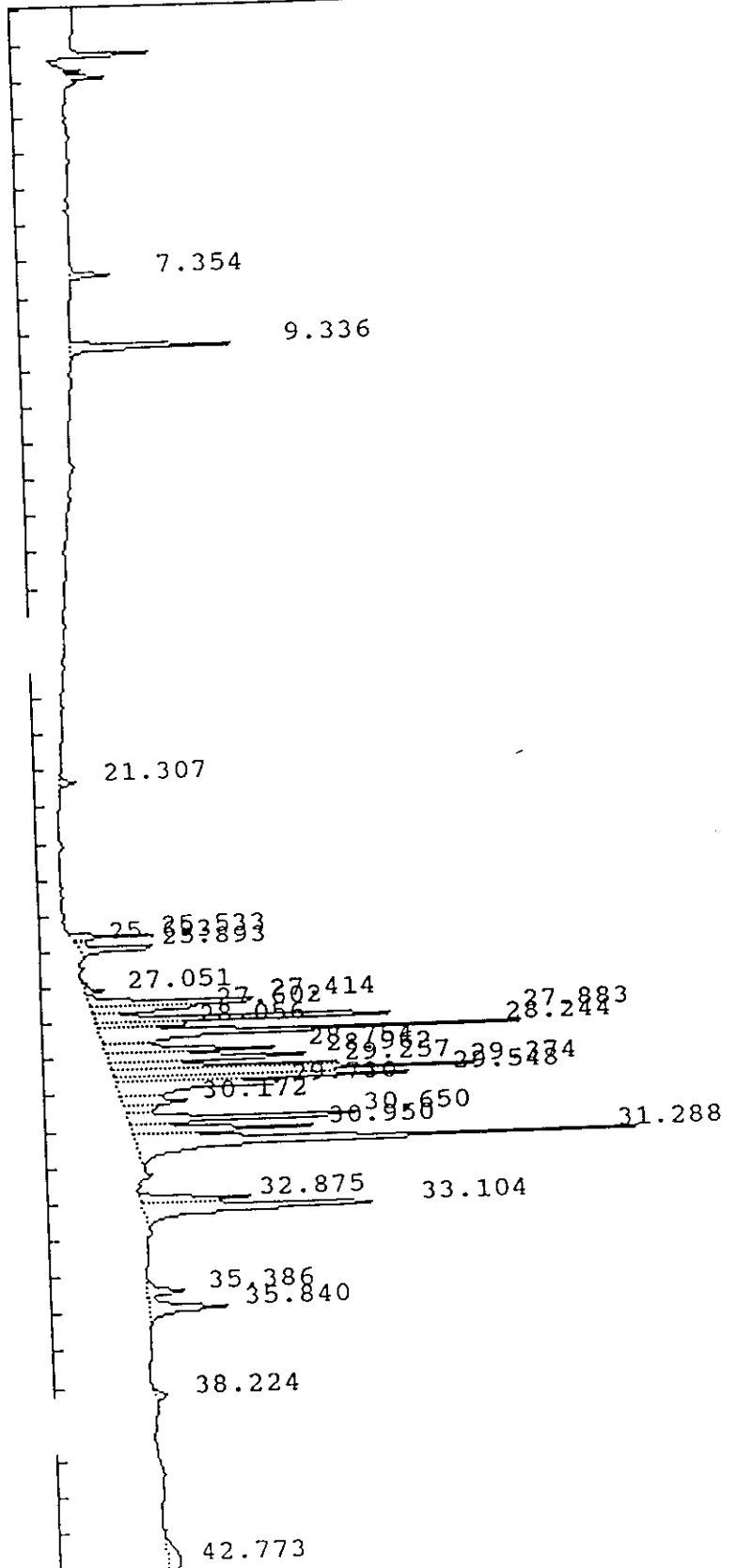
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	39000	U
11104-28-2-----	Aroclor-1221	80000	U
11141-16-5-----	Aroclor-1232	39000	U
53469-21-9-----	Aroclor-1242	39000	U
12672-29-6-----	Aroclor-1248	39000	U
11097-69-1-----	Aroclor-1254	39000	U
11096-82-5-----	Aroclor-1260	63000	PD

JEA Pesticide Standard Report

Sample Name : 0060021 S-107 DF=1000 Inj on 0320 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209334.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul

0 67



IEA Pesticide Standard Report

Sample Name : 0060021 S-107 DF=1000
 Result File : /DATA/LOOP/RESULT/A1209334.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0320 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 37 Bottle no. : 37

Report No : 442.00 ⁰ 68
 Inj. Vol. : 1 ul

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.35		.106758	40512	BB	0.0000	
2	9.34		.130815	198944	BB	0.0000	
3	21.31		.124951	19680	BB	0.0000	
4	25.53		.091130	71767	BV	0.0000	
5	25.69	25.72	.094606	14494	VV	.1490	gamma-Chlordane
6	25.89		.113793	102549	VV	0.0000	
7	27.05		.138052	25425	BV	0.0000	
8	27.41		.145552	269462	VV	0.0000	
9	27.60		.121787	110679	VV	0.0000	
10	27.88		.104817	380574	VV	0.0000	
11	28.06		.098638	83075	VV	0.0000	
12	<u>28.24</u>		.143702	577248	VV	0.0000	<i>Out 3/p</i>
13	28.75		.141476	243709	VV	0.0000	
14	28.96		.171049	303583	VV	0.0000	
15	29.26		.115991	258691	VV	0.0000	
16	<u>29.37</u>	29.32	.115045	388217	VV	6.0133	4,4'-DDT
17	<u>29.55</u>	29.50	.114292	334130	VV	5.6524	Endrin aldehyde
18	29.73		.171179	309459	VV	0.0000	
19	30.17	<i>At 1260</i>	.174565	105946	VV	0.0000	
20	30.65		.130832	329272	VV	0.0000	
21	30.95		.147466	240427	VV	0.0000	
22	<u>31.29</u>		.174887	800821	VB	0.0000	
23	32.87		.143046	142885	BV	0.0000	
24	33.10		.201061	452104	VB	0.0000	
25	35.39		.180579	60599	BV	0.0000	
26	35.84		.221325	155043	VB	0.0000	
27	38.22		.204120	21459	BB	0.0000	
28	42.77		.822434	85781	BB	0.0000	

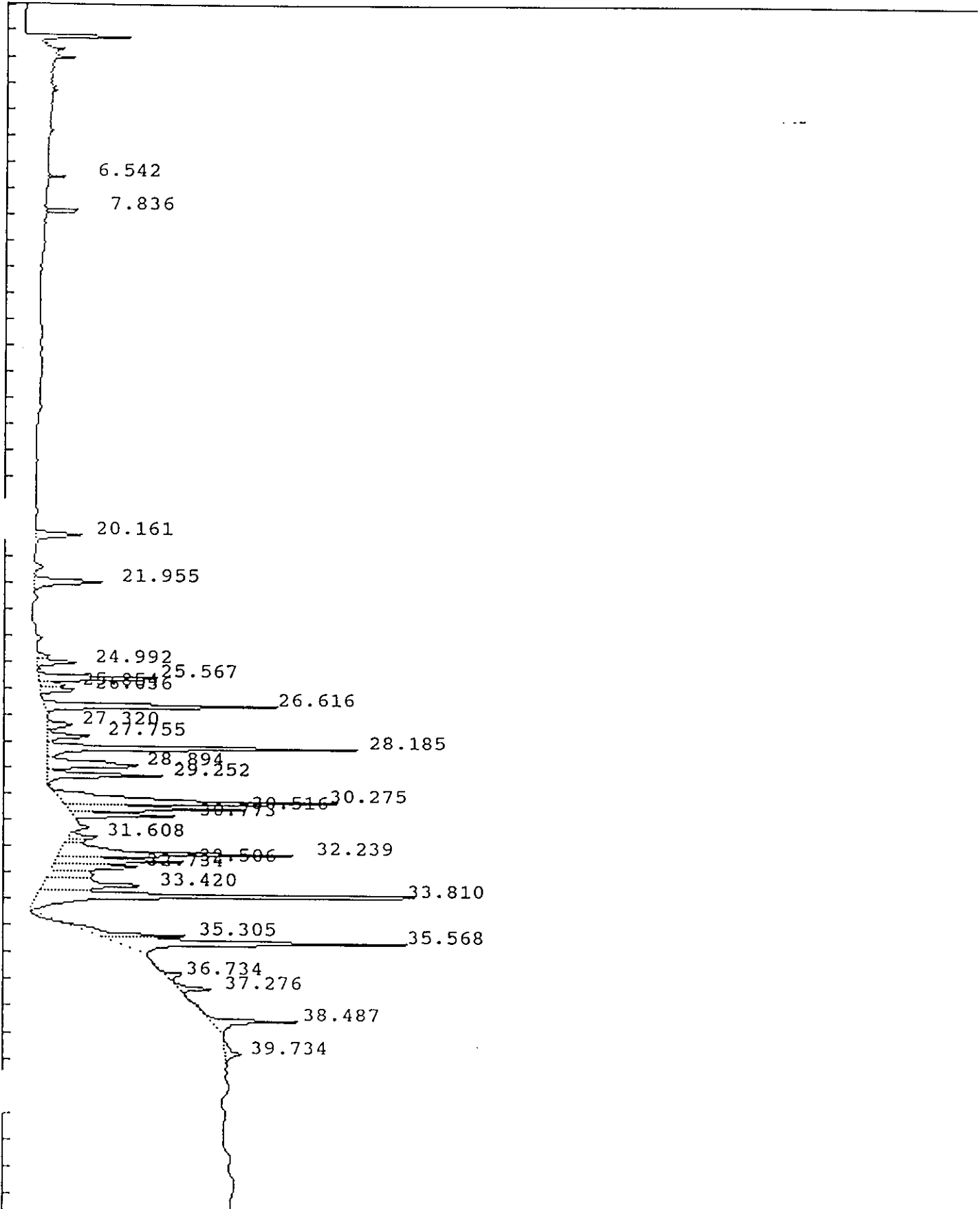
Total Area : 6126535 Total PPB : 11.815

Report Time : 0407 17Feb1993
 Method : /DATA/LOOP/METHOD/A1209.MTH
 Result File : /DATA/LOOP/RESULT/A1209334.RES

IEA Pesticide Standard Report

Sample Name : 0060021 DS-107 DF=1000
Result File : /DATA/LOOP/RESULT/B5041125.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1128 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060021 S-107 DF=1000 Report No : 81.00
 Result File : /DATA/LOOP/RESULT/B5041125.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 1128 25Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 26 Bottle no. : 26

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	6.54		.064031	5673	BB	0.0000	
2	7.84	7.87	.073137	17292	BB	.3936	Tetrachloro-m-xylene
3	20.16		.184190	33705	BB	0.0000	
4	21.95		.199936	54699	BB	0.0000	
5	24.99		.156680	25555	VB	0.0000	
6	25.57		.161719	83513	BV	0.0000	
7	25.85		.141198	14761	VV	0.0000	
8	26.04		.151359	23531	VB	0.0000	
9	26.62		.149078	145008	BB	0.0000	
10	27.32	27.29	.207779	20141	BV	.7667	Endrin
11	27.76		.155240	28185	VV	0.0000	
12	28.18		.153438	200234	VV	0.0000	
13	28.89		.218399	89528	VV	0.0000	
14	29.25		.150281	71860	VV	0.0000	
15	30.28		.196275	231150	PV	0.0000	
16	30.52		.134168	100054	VV	0.0000	
17	30.77		.127349	56961	VB	0.0000	
18	31.61		.141838	18397	VV	0.0000	
19	32.24		.177123	176760	VV	0.0000	
20	32.51	At 260	.153776	81879	VV	0.0000	
21	32.73	32.78	.199277	71953	VV	4.4084	Endrin aldehyde
22	33.42		.276557	113990	VV	0.0000	
23	33.81		.159021	295334	VV	0.0000	
24	35.31		.176595	66565	PV	0.0000	
25	35.57		.171600	210991	VB	0.0000	
26	36.73		.164037	13297	BV	0.0000	
27	37.28		.141027	20963	VV	0.0000	
28	38.49		.171924	64693	VB	0.0000	
29	39.73		.301568	20517	BB	0.0000	

air/P

Total Area : 2357189 Total PPB : 5.569

Report Time : 1218 25Feb1993
 Method : /DATA/LOOP/METHOD/B5041.MTH
 Result File : /DATA/LOOP/RESULT/B5041125.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S107

Lab Name: IEA/CT

Contract: 0 71

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060021

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209335.D

% Moisture: 16 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 5.9

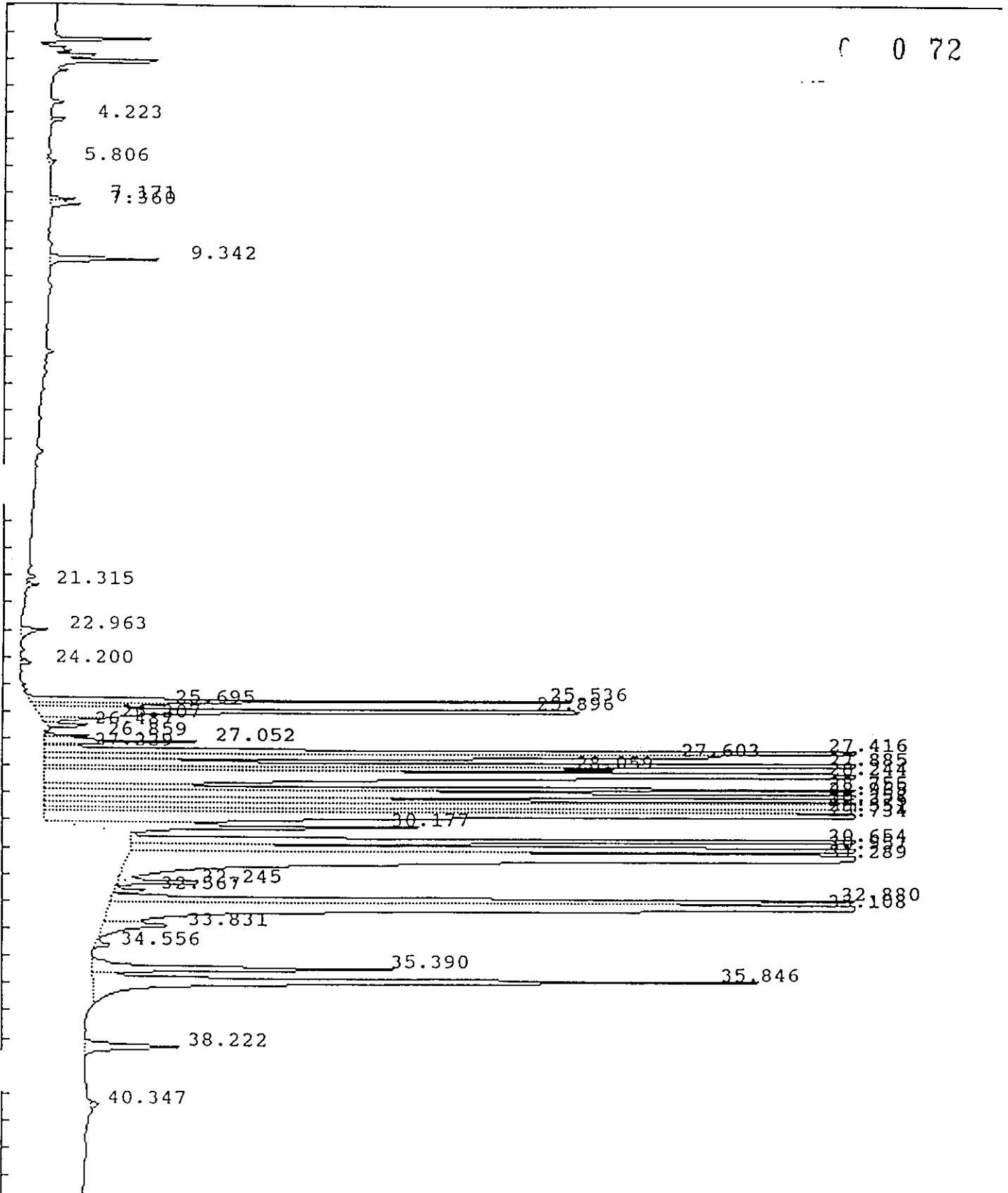
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	3900	U
11104-28-2-----	Aroclor-1221	8000	U
11141-16-5-----	Aroclor-1232	3900	U
53469-21-9-----	Aroclor-1242	3900	U
12672-29-6-----	Aroclor-1248	3900	U
11097-69-1-----	Aroclor-1254	3900	U
11096-82-5-----	Aroclor-1260	51000	P

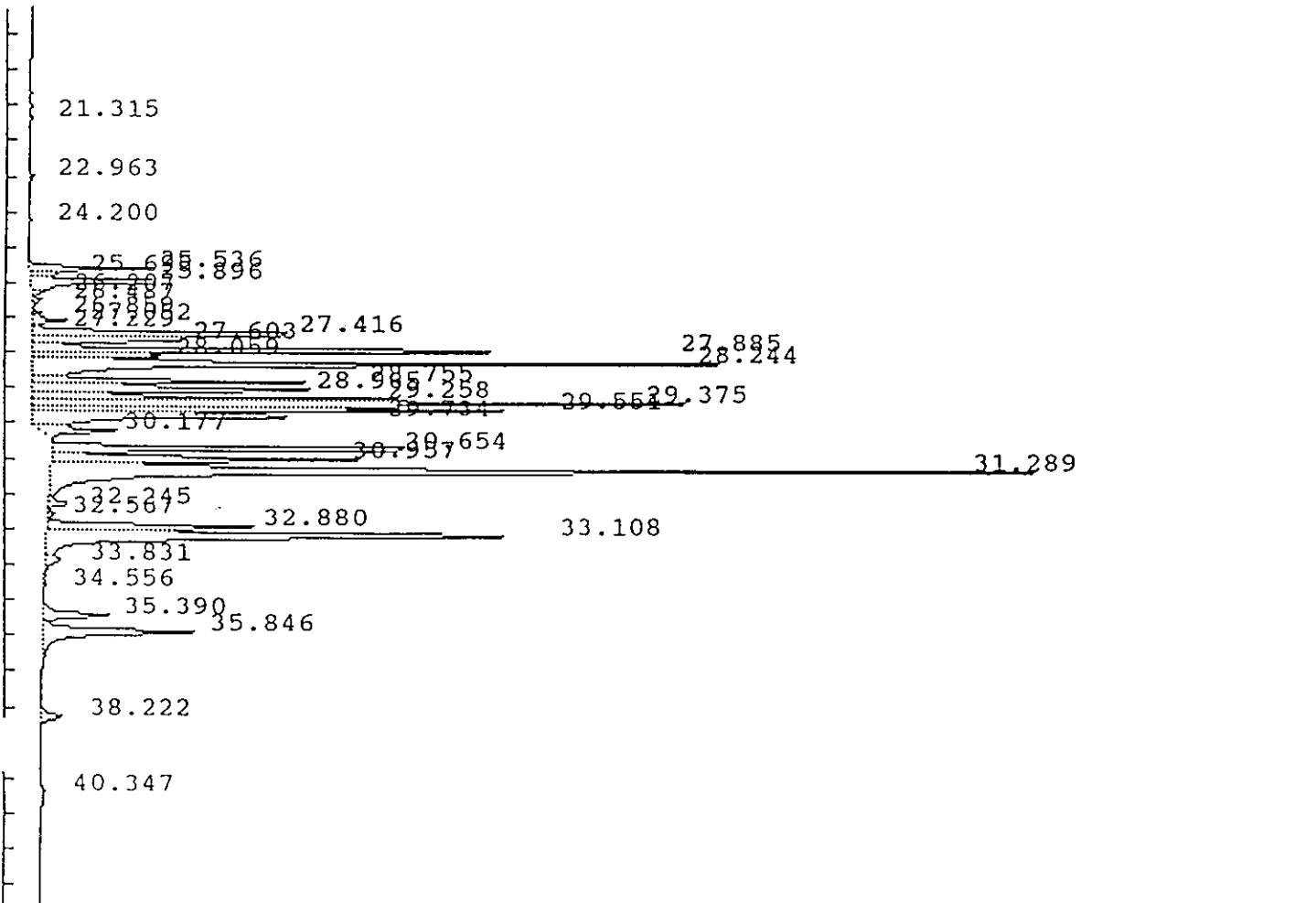
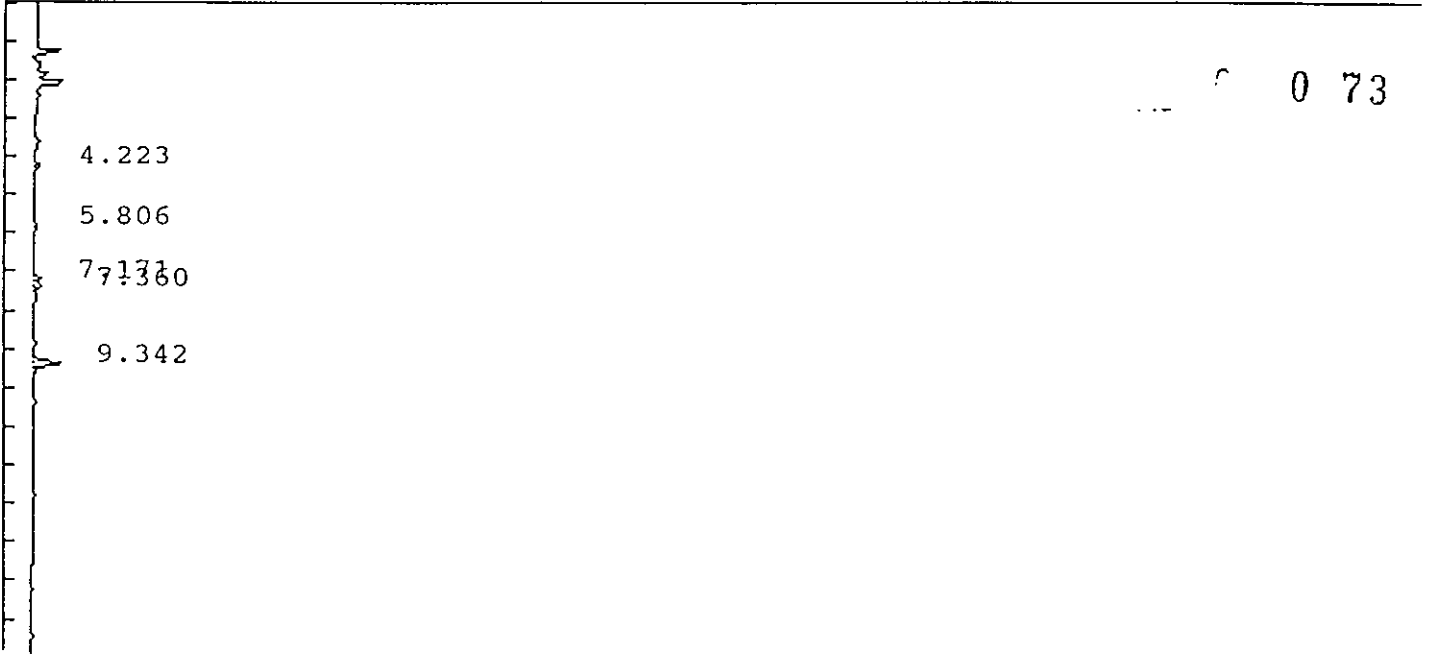
IEA Pesticide Standard Report

Sample Name : 0060021 S-107 DF=100 Inj on 0414 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209335.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060021 S-107 DF=100 Inj on 0414 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209335.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060021 S-107 DF=100 Report No : 443.10
 Result File : /DATA/LOOP/RESULT/A1209335.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0414 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 38 Bottle no. : 38

0 74

% Dil-Fact
3333.00

Run Status : RunStatusOK
NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.22		.081795	21364	BB	0.0000	
2	5.81		.157432	17360	PB	0.0000	
3	7.17		.100767	33914	BV	0.0000	
4	7.36		.119099	45053	VB	0.0000	
5	9.34		.125873	168276	BB	0.0000	
6	21.31		.104133	14808	BB	0.0000	
7	22.96	22.99	.163488	56146	BB	.5689	Aldrin
8	24.20		.093978	13944	VB	0.0000	
9	25.54		.096494	684693	BV	0.0000	
10	25.69	25.72	.105030	194666	VV	2.0006	gamma-Chlordane
11	25.90		.129312	1136998	VV	0.0000	
12	26.21	26.22	.116610	92020	VV	.8773	alpha-Chlordane
13	26.49		.092758	64003	VV	0.0000	
14	26.86		.104870	62251	BV	0.0000	
15	27.05		.104916	211185	VV	0.0000	
16	27.23		.058948	24451	VV	0.0000	
17	27.42		.138259	2348004	VV	0.0000	
18	27.60		.120964	965168	VV	0.0000	
19	27.88		.098897	3228436	VV	0.0000	
20	28.06		.097763	724118	VV	0.0000	
21	<u>28.24</u>		.123688	4893525	HS	0.0000	
22	28.76		.100977	1692237	HS	0.0000	
23	28.96		.153493	2288159	HS	0.0000	
24	29.26		.099015	2176469	HS	0.0000	
25	<u>29.37</u>	29.32	.108917	3979785	HS	61.6447	4,4'-DDT
26	29.55	29.50	.109828	3007501	HS	50.8775	Endrin aldehyde
27	29.73		.143453	2459021	HS	0.0000	
28	30.18		.146653	671794	HS	0.0000	
29	30.65	<i>Az1260</i>	.111752	2767474	BV	0.0000	<i>(circled)</i>
30	30.96		.132023	2143353	VV	0.0000	
31	31.29		.154473	8340921	HS	0.0000	
32	<u>32.24</u>		.110597	125204	BT	0.0000	
33	32.57		.104050	47391	BV	0.0000	
34	32.88		.137567	1538741	VV	0.0000	
35	33.11		.182980	4798088	VV	0.0000	
36	33.83		.246702	199257	VB	0.0000	
37	34.56		.130159	25301	BB	0.0000	
38	35.39		.168227	609010	BV	0.0000	
39	35.85		.204567	1620647	VB	0.0000	

IEA Pesticide Standard Report

#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	38.22		.200798	223112	BB	0.0000	
41	40.35		.177556	21651	BV	0.0000	

0 75

Total Area : 53735504 Total PPB : 115.969

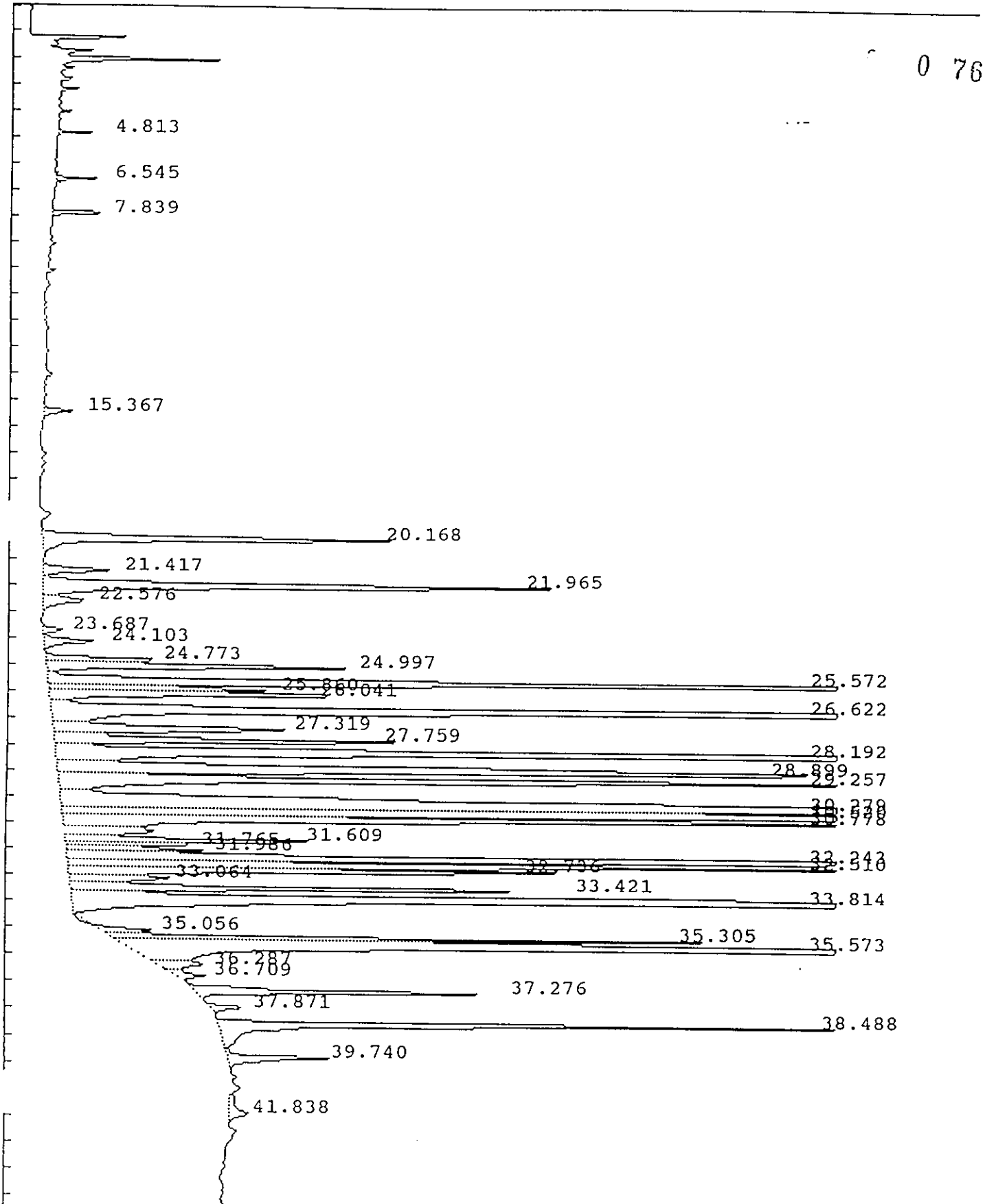
Report Time : 1644 17Feb1993
Method : /DATA/LOOP/METHOD/A1209_331.MT
Result File : /DATA/LOOP/RESULT/A1209335.RES

IEA Pesticide Standard Report

Sample Name : 0060021 S-107 DF=100
Result File : /DATA/LOOP/RESULT/B5041126.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1221 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul

0 76

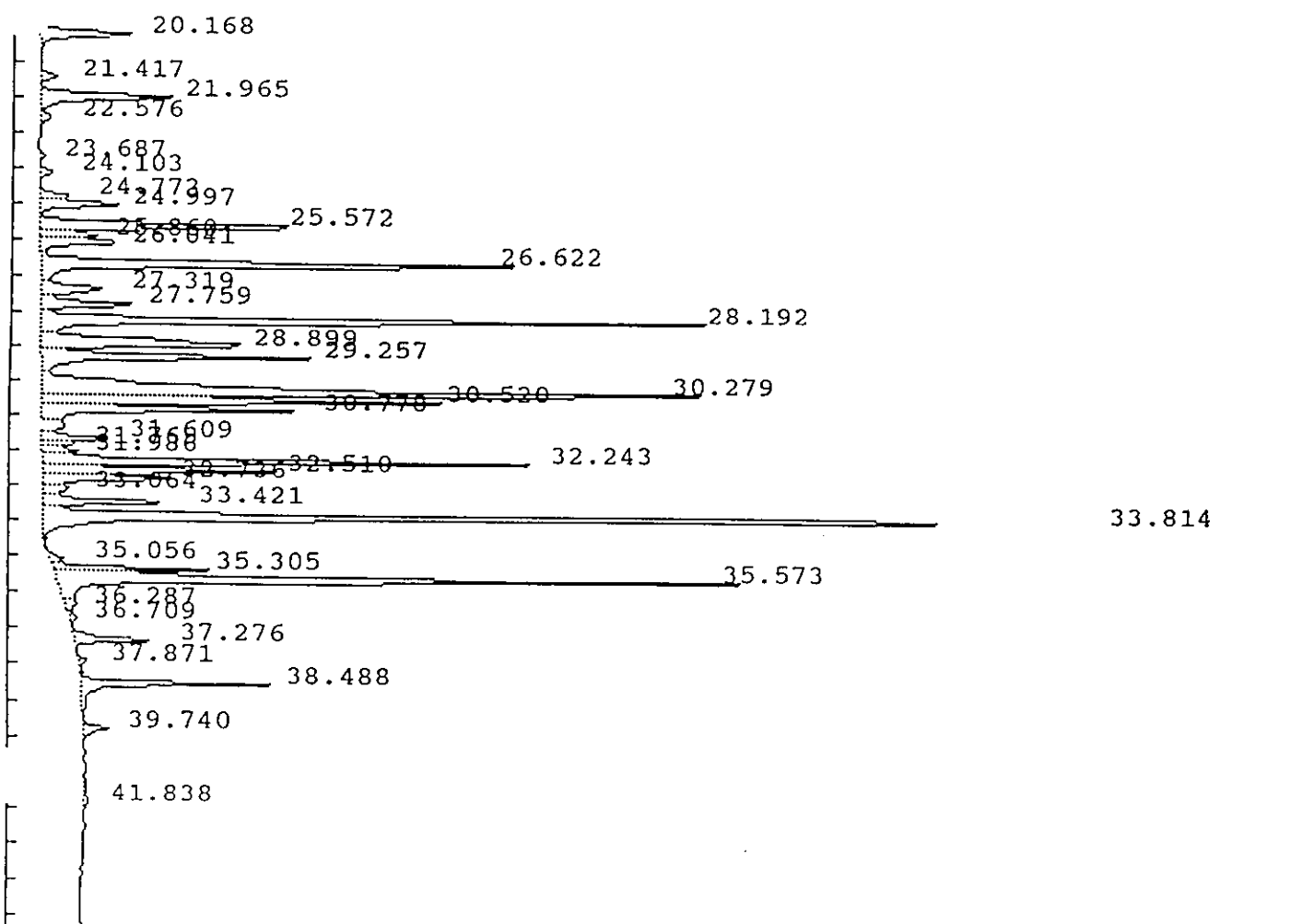
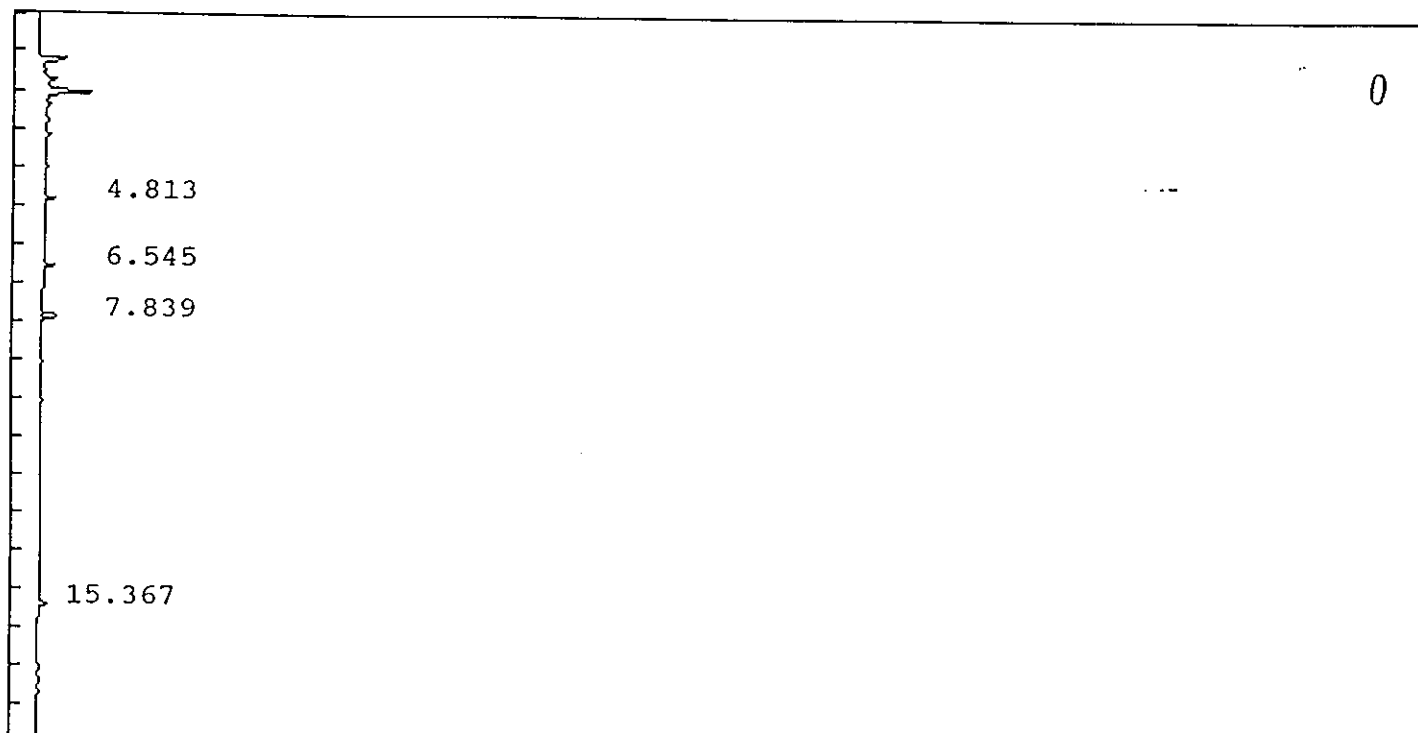


IEA Pesticide Standard Report

Sample Name : 0060021 S-107 DF=100
Result File : /DATA/LOOP/RESULT/B5041126.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1221 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul

0 77



IEA Pesticide Standard Report

Sample Name : 0060021 S-107 DF=100
 Result File : /DATA/LOOP/RESULT/B5041126.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 1221 25Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 27
 Report No : 82.00
 Inj. Vol. : 1 ul
 Bottle no. : 27

0 78

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.81		.054071	10322	BB	0.0000	
2	6.55		.072990	14422	BB	0.0000	
3	7.84	7.87	.083248	25052	BB	.5702	Tetrachloro-m-xylene
4	15.37		.147327	17745	BB	0.0000	
5	20.17		.206674	294791	BB	0.0000	
6	21.42		.190735	50703	BV	0.0000	
7	21.96		.212552	440737	VV	0.0000	
8	22.58		.256691	42729	VB	0.0000	
9	23.69	23.67	.178157	14418	BV	.3989	gamma-Chlordane
10	24.10	24.12	.204044	42201	VV	1.0928	alpha-Chlordane
11	24.77		.149497	71734	PV	0.0000	
12	25.00		.173470	216227	VV	0.0000	
13	25.57		.169773	720844	VV	0.0000	
14	25.86		.146868	131354	VV	0.0000	
15	26.04		.173159	220113	VV	0.0000	
16	26.62		.166275	1269974	VV	0.0000	
17	27.32	27.29	.242592	228094	VV	8.6833	Endrin
18	27.76		.164336	248215	VV	0.0000	
19	28.19		.156957	1648844	VV	0.0000	
20	28.90		.224894	778741	VV	0.0000	
21	29.26		.173135	731198	VV	0.0000	
22	<u>30.28</u>		.205140	2225089	VV	0.0000	
23	30.52		.141475	891149	VV	0.0000	
24	30.78		.159503	653703	VV	0.0000	
25	31.61		.154310	168003	VV	0.0000	
26	31.77		.123418	63612	VV	0.0000	
27	31.99		.149610	83264	VV	0.0000	
28	<u>32.24</u>	At 126	.135569	1062019	VV	0.0000	
29	32.51		.138992	524952	VV	0.0000	
30	32.74	32.78	.154787	337848	VV	20.6993	Endrin aldehyde
31	33.06		.213712	87739	VV	0.0000	
32	33.42		.151207	314417	VV	0.0000	
33	33.81		.141111	2320348	VV	0.0000	
34	<u>35.06</u>		.144059	32709	PV	0.0000	
35	35.31		.121986	309358	VV	0.0000	
36	35.57		.155284	1698762	VV	0.0000	
37	36.29		.234646	46009	VV	0.0000	
38	36.71		.195245	25642	VB	0.0000	
39	37.28		.136779	184773	BV	0.0000	

ars/p

IEA Pesticide Standard Report

pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	37.87		.162594	22489	VB	0.0000	
41	38.49		.138775	430557	BV	0.0000	
42	39.74		.177914	78302	VB	0.0000	
43	41.84		.375292	30693	VB	0.0000	

Total Area : 18809888 Total PPB : 31.444

Report Time : 1310 25Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041126.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S108DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060022DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209353.D0 80

% Moisture: 14 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 4.8

Sulfur Cleanup: (Y/N) N

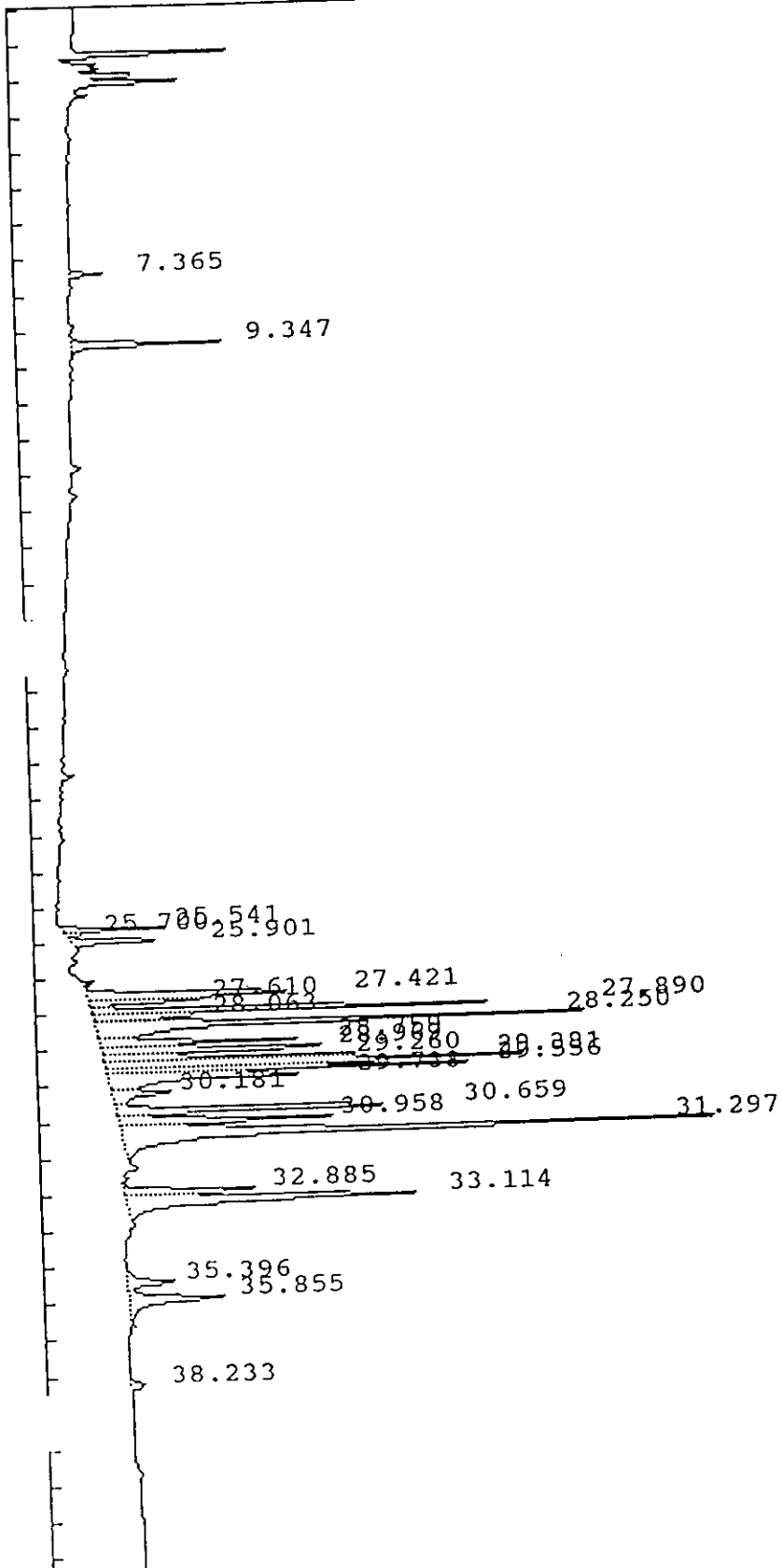
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
12674-11-2-----	Aroclor-1016	3800	U
11104-28-2-----	Aroclor-1221	7800	U
11141-16-5-----	Aroclor-1232	3800	U
53469-21-9-----	Aroclor-1242	3800	U
12672-29-6-----	Aroclor-1248	3800	U
11097-69-1-----	Aroclor-1254	3800	U
11096-82-5-----	Aroclor-1260	5600	PD

IEA Pesticide Standard Report

Sample Name : 0060022 S-108 DF=100 Inj on 2141 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209353.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul

0 81



IEA Pesticide Standard Report

Sample Name : 0060022 S-108 DF=100
 Result File : /DATA/LOOP/RESULT/A1209353.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 2141 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 56 Bottle no. : 56

Report No : 461.00

Inj. Vol. : 1 ul

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.37		.106369	35036	BB	0.0000	
2	9.35		.124107	173015	BB	0.0000	
3	25.54		.088189	94306	BV	0.0000	
4	25.70	25.72	.093681	18724	VV	.1924	gamma-Chlordane
5	25.90		.103275	105643	VV	0.0000	
6	27.42		.132416	297777	BV	0.0000	
7	27.61		.113390	118734	VV	0.0000	
8	27.89		.095178	436258	VV	0.0000	
9	28.06	28.13	.101461	100274	VV	1.5122	Endrin
10	<u>28.25</u>		.135557	671159	VV	0.0000	
11	28.76		.108774	218963	VV	0.0000	
12	28.97		.158996	324076	VV	0.0000	
13	29.26	29.32	.107141	286817	VV	4.4426	4,4'-DDT
14	29.38		.110322	458092	VV	0.0000	
15	<u>29.56</u>	29.50	.107517	379751	VV	6.4242	Endrin-aldehyde
16	29.74		.149525	313251	VV	0.0000	
17	30.18		.185589	109561	VV	0.0000	
18	30.66	<i>Am1260</i>	.117557	359806	VV	0.0000	
19	30.96		.131614	259253	VV	0.0000	
20	<u>31.30</u>		.166528	955046	VV	0.0000	
21	32.88		.134020	165833	PV	0.0000	
22	33.11		.190460	528652	VV	0.0000	
23	35.40		.186580	80345	BV	0.0000	
24	35.85		.218692	189133	VB	0.0000	
25	38.23		.186859	22706	BB	0.0000	

ars/p

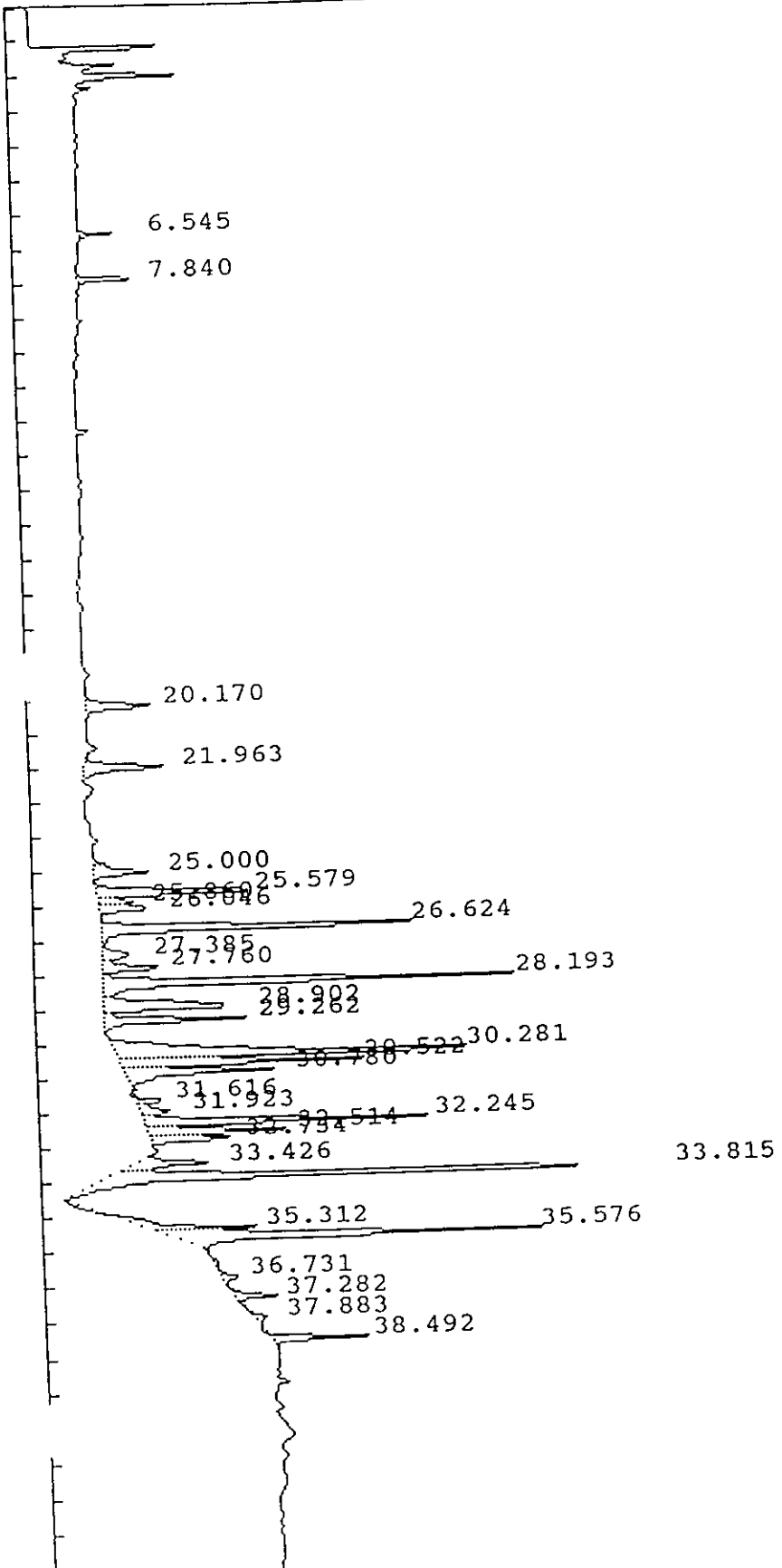
Total Area : 6702215 Total PPB : 12.571

Report Time : 2228 17Feb1993
 Method : /DATA/LOOP/METHOD/A1209.MTH
 Result File : /DATA/LOOP/RESULT/A1209353.RES

IEA Pesticide Standard Report

Sample Name : 0060022
Result File : /DATA/LOOP/RESULT/B5041130.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1616 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Report No : 86.00

Sample Name : 0060022 S-108 DF=100
 Result File : /DATA/LOOP/RESULT/B5041130.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 1616 25Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 31 Bottle no. : 31

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	6.55		.067604	9165	BB	0.0000	
2	7.84	7.87	.085252	21038	BB	.4789	Petrachloro-m-xylene
3	20.17		.188325	37420	BB	0.0000	
4	21.96		.204949	51614	BV	0.0000	
5	25.00		.168724	30035	VB	0.0000	
6	25.58		.166458	87316	BV	0.0000	
7	25.86		.146666	16090	VV	0.0000	
8	26.05		.155036	24021	VB	0.0000	
9	26.62		.155897	161163	BV	0.0000	
10	27.38		.272178	21769	VV	0.0000	
11	27.76		.163725	31465	VV	0.0000	
12	28.19		.155281	205617	VV	0.0000	
13	28.90		.222307	95439	VV	0.0000	
14	29.26		.145304	66757	VV	0.0000	
15	30.28		.208378	246721	PV	0.0000	
16	30.52		.141088	110123	VV	0.0000	
17	30.78		.175244	85401	VB	0.0000	
18	31.62		.096965	9032	BV	0.0000	
19	31.92		.206028	18340	VV	0.0000	
20	32.25		.135969	126579	VV	0.0000	
21	32.51	Am 1260	.140810	62409	VV	0.0000	
22	32.73	32.78	.150145	39778	VV	2.4372	Endrin aldehyde
23	33.43		.177664	42874	BV	0.0000	
24	33.82		.145537	257485	VV	0.0000	
25	35.31		.169805	60632	PV	0.0000	
26	35.58		.166461	200275	VB	0.0000	
27	36.73		.276024	15940	BV	0.0000	
28	37.28		.122462	18233	PV	0.0000	
29	37.88		.181857	7749	PB	0.0000	
30	38.49		.109700	36077	BB	0.0000	

Total Area : 2196559 Total PPB : 2.916

Report Time : 1705 25Feb1993
 Method : /DATA/LOOP/METHOD/B5041.MTH
 Result File : /DATA/LOOP/RESULT/B5041130.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S108

Lab Name: IEA/CT

Contract:

Lab Code: IFACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060022

0 85

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209354.D

% Moisture: 14 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 4.8

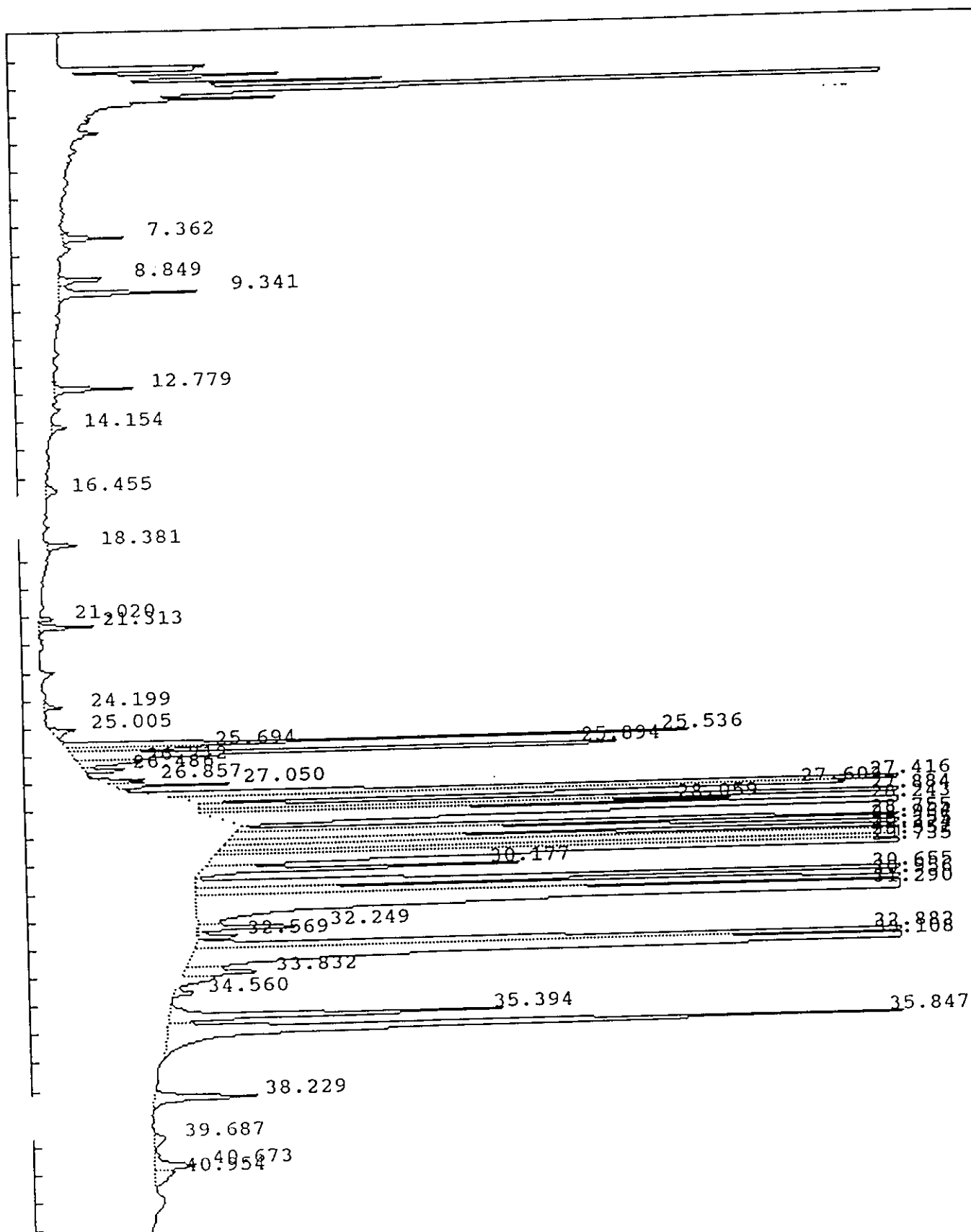
Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	380	U
11104-28-2-----	Aroclor-1221	780	U
11141-16-5-----	Aroclor-1232	380	U
53469-21-9-----	Aroclor-1242	380	U
12672-29-6-----	Aroclor-1248	380	U
11097-69-1-----	Aroclor-1254	380	U
11096-82-5-----	Aroclor-1260	5900	P

IEA Pesticide Standard Report

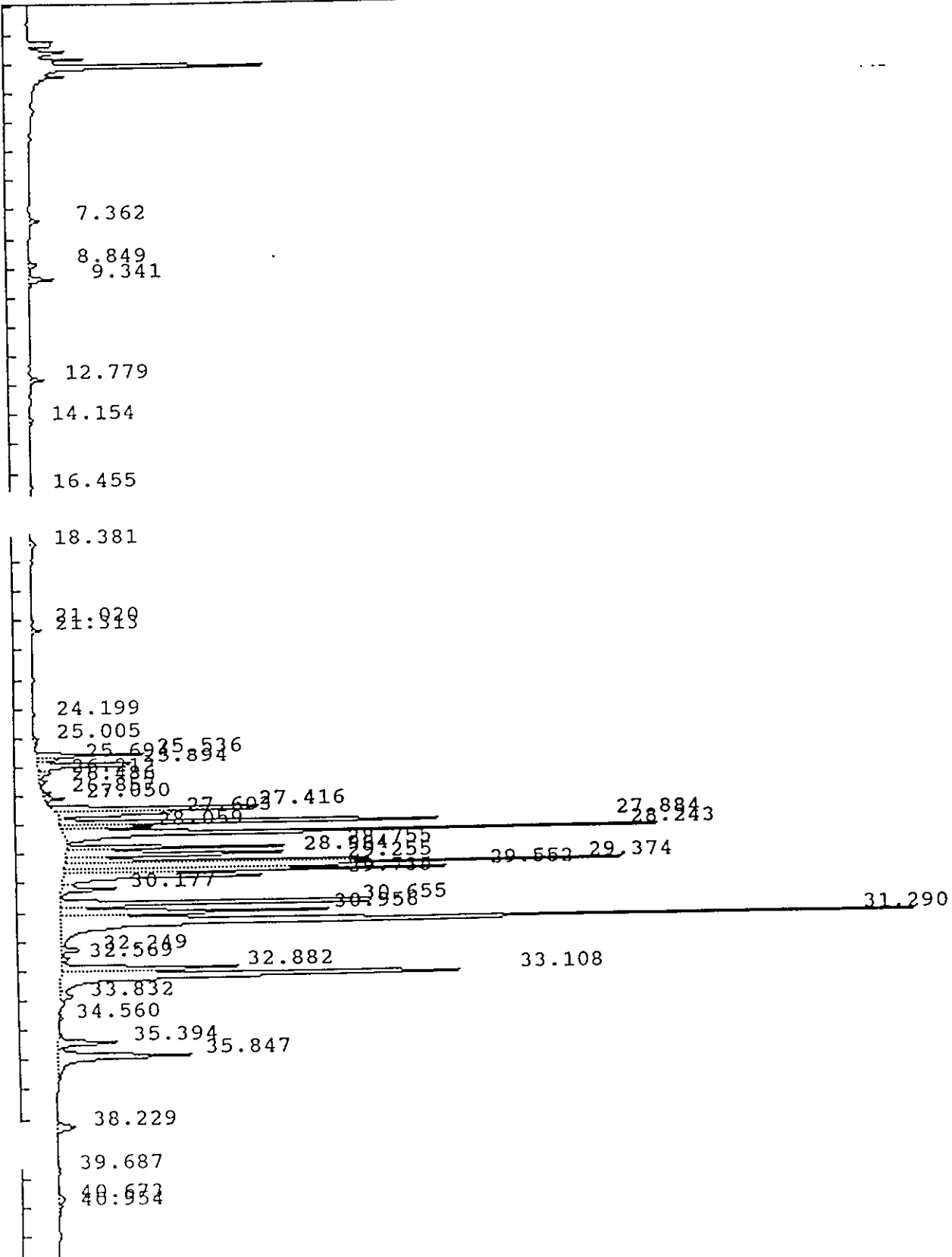
Sample Name : 0060022 S-108 DF=10 Inj on 2235 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209354.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060022 S-108 DF=10 Inj on 2235 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209354.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul

0 87



IEA Pesticide Standard Report

Sample Name : 0060022 S-108 DF=10 Report No : 462.20
 Result File : /DATA/LOOP/RESULT/A1209354.RES Inj. Vol. : 1 ul 0 88
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 2235 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 57 Bottle no. : 57

% Dil-Fact
 3333.00

Run Status : SignalOverload

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.36		.114713	86474	VV	0.0000	
2	8.85		.140061	85536	BV	0.0000	
3	9.34		.134071	223473	VB	0.0000	
4	12.78	12.77	.124055	120596	BB	1.2703	Tetrachloro-m-xylene
5	14.15		.145087	26723	BB	0.0000	
6	16.46		.234895	35850	BB	0.0000	
7	18.38		.134957	50971	BV	0.0000	
8	21.02		.107178	20885	BV	0.0000	
9	21.31		.114074	77910	VB	0.0000	
10	24.20		.100327	24856	BV	0.0000	
11	25.01	25.07	.182762	57919	BB	.6349	Heptachlor epoxide
12	25.54		.090656	739102	BV	0.0000	
13	25.69	25.72	.101732	188622	VV	1.9385	gamma-Chlordane
14	25.89		.113563	1011377	VV	0.0000	
15	26.21	26.22	.121398	97262	VV	.9273	alpha-Chlordane
16	26.49		.092117	60571	VB	0.0000	
17	26.86		.118098	70403	BV	0.0000	
18	27.05		.088745	140506	VV	0.0000	
19	27.42		.127906	2358395	BV	0.0000	
20	27.60		.107755	866500	VB	0.0000	
21	27.88		.085865	3188051	BS	0.0000	
22	28.06		.090716	651494	HS	0.0000	
23	28.24		.103111	4697437	HS	0.0000	
24	28.75		.084752	1533023	BV	0.0000	
25	28.96		.134191	2087572	VV	0.0000	
26	29.26		.094736	2304714	VV	0.0000	
27	29.37	29.32	.100735	4177121	VV	64.7013	4,4'-DDT
28	29.55	29.50	.098247	2885485	VV	48.8134	Endrin aldehyde
29	29.73		.115596	2070473	VV	0.0000	
30	30.18		.110348	484084	VB	0.0000	
31	30.65	<i>A1260</i>	.107813	3135846	BV	0.0000	
32	30.96		.124178	2299913	VV	0.0000	
33	31.29		.155047	8954548	GS	0.0000	
34	32.25		.119656	163698	VT	0.0000	
35	32.57		.122458	69343	VT	0.0000	
36	32.88		.131174	1651239	BV	0.0000	
37	33.11		.170870	5175972	VV	0.0000	
38	33.83		.188424	170713	VV	0.0000	
39	34.56		.133505	30902	VB	0.0000	
40	35.39		.160420	641639	BV	0.0000	

Q23/P

IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	35.85		.199550	1801993	VB	0.0000	
42	38.23		.199526	237701	BV	0.0000	
43	39.69		.386147	49752	BV	0.0000	
44	40.67	#40.67	.249462	113350	VV	.9494	Decachlorobiphenyl
45	40.95		.373591	80553	VB	0.0000	
46	44.02		.352533	53865	BB	0.0000	

Total Area : 55054424 Total PPB : 119.235

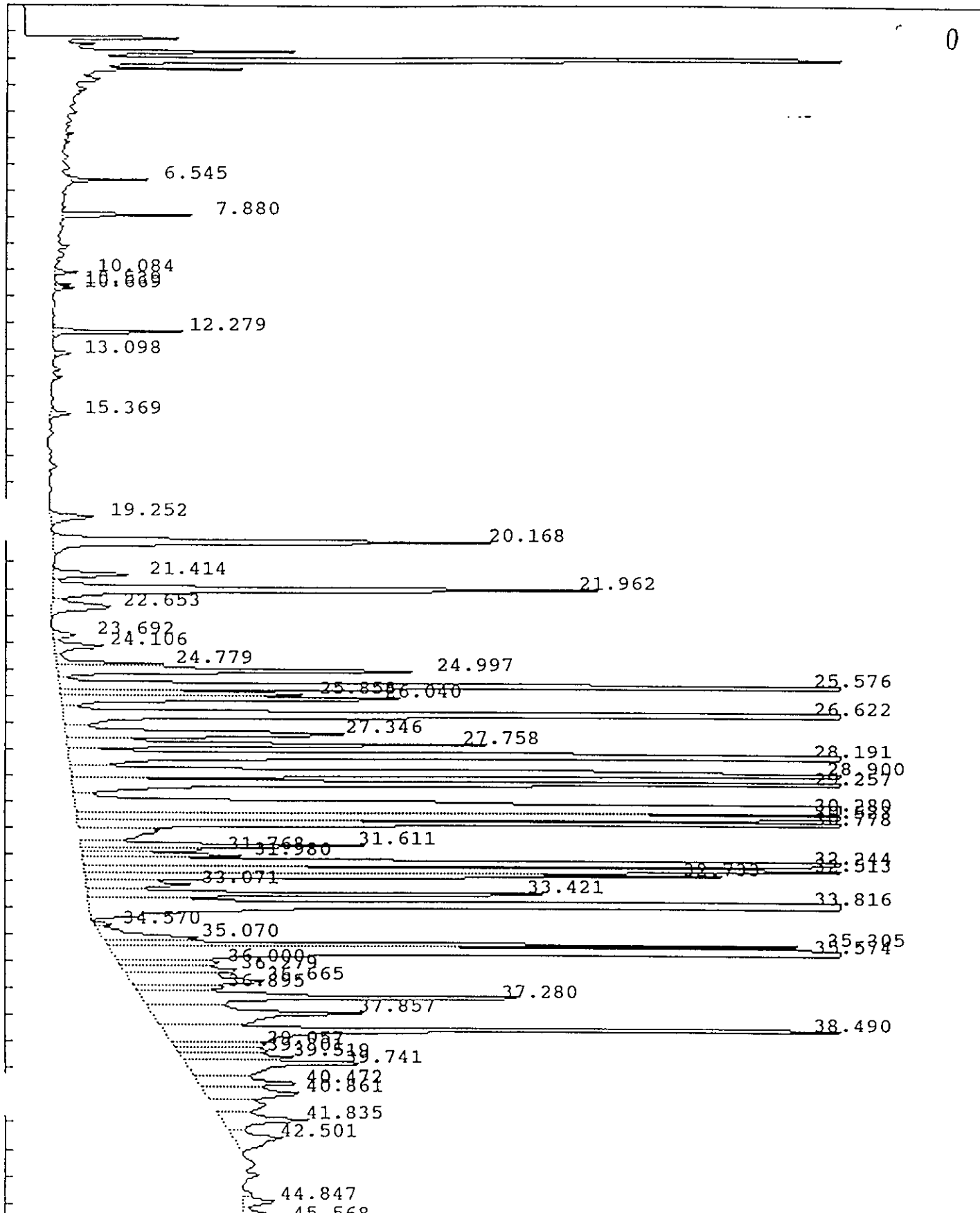
Report Time : 1612 18Feb1993
Method : /DATA/LOOP/METHOD/A1209_354.MT
Result File : /DATA/LOOP/RESULT/A1209354.RES

IEA Pesticide Standard Report

Sample Name : 0060022 S-108 DF=10
Result File : /DATA/LOOP/RESULT/B5041131.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1716 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul

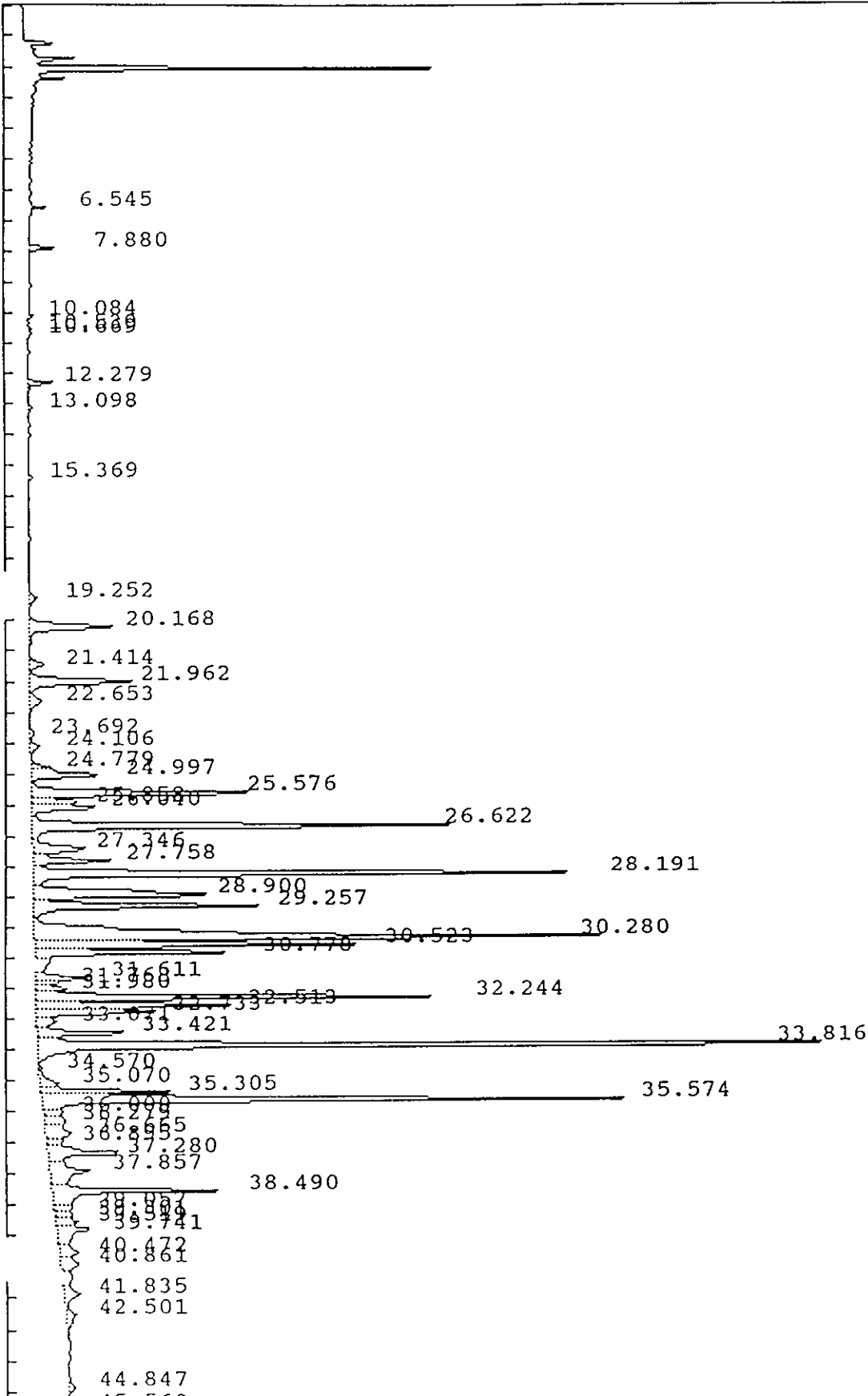
0 90



IEA Pesticide Standard Report

Sample Name : 0060022 S-108 DF=10
Result File : /DATA/LOOP/RESULT/B5041131.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1716 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul 0 91



IEA Pesticide Standard Report

Sample Name : 0060022 S-108 DF=10 Report No : 87.00
 Result File : /DATA/LOOP/RESULT/B5041131.RES
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.52 Mins. Injected on 1716 25Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 32 Bottle no. : 32

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	6.54		.068205	28191	VB	0.0000	
2	7.88	7.87	.104010	59957	BB	1.3648	Tetrachloro-m-xylene
3	10.08		.099239	10809	BB	0.0000	
4	10.54		.076572	5840	BV	0.0000	
5	10.67		.086602	7522	VB	0.0000	
6	12.28		.097614	64613	BB	0.0000	
7	13.10		.114695	8760	BB	0.0000	
8	15.37		.162011	14464	BB	0.0000	
9	19.25		.221313	40044	BB	0.0000	
10	20.17		.201775	365246	BB	0.0000	
11	21.41		.190940	60666	BV	0.0000	
12	21.96		.201846	452243	VV	0.0000	
13	22.65		.306723	73620	VB	0.0000	
14	23.69	23.67	.201256	19453	BV	.5382	gamma-Chlordane
15	24.11	24.12	.217703	45565	VV	1.1799	alpha-Chlordane
16	24.78		.150907	71249	VV	0.0000	
17	25.00		.176568	274346	VV	0.0000	
18	25.58		.167131	852756	VV	0.0000	
19	25.86		.143435	151203	VV	0.0000	
20	26.04		.167279	253436	VV	0.0000	
21	26.62		.157491	1486623	VV	0.0000	
22	27.35	27.29	.243179	274661	VV	10.4560	Endrin
23	27.76		.163246	295893	VV	0.0000	
24	28.19		.149195	1889186	VV	0.0000	
25	28.90		.213136	888561	VV	0.0000	
26	29.26		.156071	823054	VV	0.0000	
27	<u>30.28</u>		.203571	2632873	VV	0.0000	
28	<u>30.52</u>		.134489	1008531	VV	0.0000	
29	30.78		.138920	657372	VV	0.0000	
30	31.61		.146138	179896	VV	0.0000	
31	31.77		.118272	63119	VV	0.0000	
32	31.98		.146812	100334	VV	0.0000	
33	<u>32.24</u>	AK1260	.131483	1247200	VV	0.0000	
34	32.51		.144833	655085	VV	0.0000	
35	32.73	32.78	.156162	421889	VV	25.8484	Endrin-aldehyde
36	33.07		.207877	90338	VV	0.0000	
37	33.42		.139751	314452	VV	0.0000	
38	<u>33.82</u>		.135542	2767402	VV	0.0000	
39	34.57		.111719	9586	PV	0.0000	

ar 3/P

IEA Pesticide Standard Report

k#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	35.07		.239962	95676	VV	0.0000	
41	35.31		.123243	380781	VV	0.0000	
42	35.57		.147379	2002389	VV	0.0000	
43	36.00		.222928	89728	VV	0.0000	
44	36.28		.250598	117612	VV	0.0000	
45	36.66		.323135	174581	VV	0.0000	
46	36.90		.182276	67054	VV	0.0000	
47	37.28		.196714	379741	VV	0.0000	
48	37.86		.384413	344292	VV	0.0000	
49	38.49		.165090	688042	VV	0.0000	
50	39.06		.189936	71646	VV	0.0000	
51	39.30		.213312	78378	VV	0.0000	
52	39.52		.182292	85368	VV	0.0000	
53	39.74		.304058	245759	VV	0.0000	
54	40.47	#40.48	.256911	110127	VV	2.8310	Decachlorobiphenyl
55	40.86		.366010	144241	VV	0.0000	
56	41.83		.331608	118910	VV	0.0000	
57	42.50		.388353	81190	VB	0.0000	
58	44.85		.238710	33089	VV	0.0000	
59	45.57		.373542	74520	VV	0.0000	

Total Area : 24049156 Total PPB : 42.218

Report Time : 1806 25Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041131.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: IEA/CT

Contract:

S105DL

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060023DL 0 94

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209421.D

% Moisture: 15 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/20/93

Injection Volume: 1.0(uL)

Dilution Factor: 100000.0

GPC Cleanup: (Y/N) Y pH: 4.4

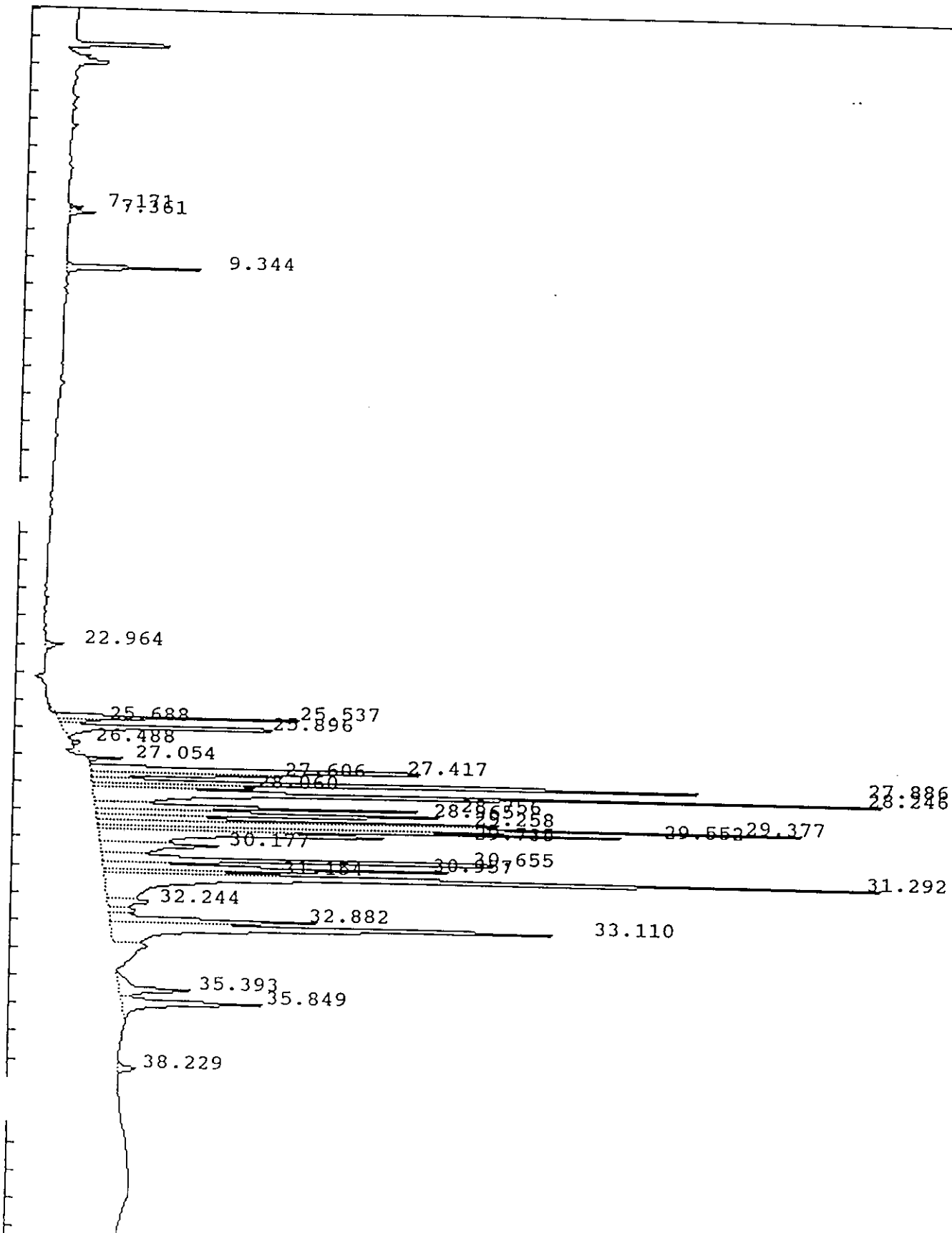
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	3900000	U
11104-28-2-----	Aroclor-1221	7900000	U
11141-16-5-----	Aroclor-1232	3900000	U
53469-21-9-----	Aroclor-1242	3900000	U
12672-29-6-----	Aroclor-1248	3900000	U
11097-69-1-----	Aroclor-1254	3900000	U
11096-82-5-----	Aroclor-1260	15000000	PD

IEA Pesticide Standard Report

Sample Name : 0060023⁰¹ S-105 DF=100000 Inj on 1817 20Feb1993
Result File : /DATA/LOOP/RESULT/A1209421.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul

0-95



IEA Pesticide Standard Report

Sample Name : 0060023 S-105 DF=100000
 Result File : /DATA/LOOP/RESULT/A1209421.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1817 20Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 5/ 25

Report No : 530.00
 Inj. Vol. : 1 ul 96

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.17		.092025	15434	BV	0.0000	
2	7.36		.107663	35582	VB	0.0000	
3	9.34		.122497	197874	BB	0.0000	
4	22.96	22.99	.134133	29655	BB	.3005	Aldrin
5	25.54		.089160	277199	BV	0.0000	
6	25.69	25.72	.094377	52754	VV	.5422	gamma-Chlordane
7	25.90		.118636	400928	VV	0.0000	
8	26.49		.090650	15411	VB	0.0000	
9	27.05		.041244	20514	BB	0.0000	
10	27.42		.136458	669067	BV	0.0000	
11	27.61		.115252	262046	VV	0.0000	
12	27.89		.096565	909003	VV	0.0000	
13	28.06	28.13	.101060	206231	VV	3.1100	Endrin
14	28.25		.128038	1346116	VV	0.0000	
15	28.76		.106571	458835	VV	0.0000	
16	28.96	<i>AKW</i>	.155719	634152	VV	0.0000	
17	29.26		.104857	569129	VV	0.0000	
18	29.38	29.32	.107021	947675	VV	14.6790	4,4'-DDT
19	29.55	29.50	.107071	713169	VV	12.0646	Endrin aldehyde
20	29.73		.160736	668671	VV	0.0000	
21	30.18		.237122	346797	VV	0.0000	
22	30.66		.124934	750422	VV	0.0000	
23	30.96	<i>AKW</i>	.139084	560106	VV	0.0000	
24	31.15		.091166	184506	VV	0.0000	
25	31.29		.162468	1868045	VV	0.0000	
26	32.24		.214763	113284	VV	0.0000	
27	32.88		.147690	363648	VV	0.0000	
28	33.11		.207005	1139923	VV	0.0000	
29	35.39		.230840	193454	PV	0.0000	
30	35.85		.208390	336370	VB	0.0000	
31	38.23		.190683	38631	BB	0.0000	

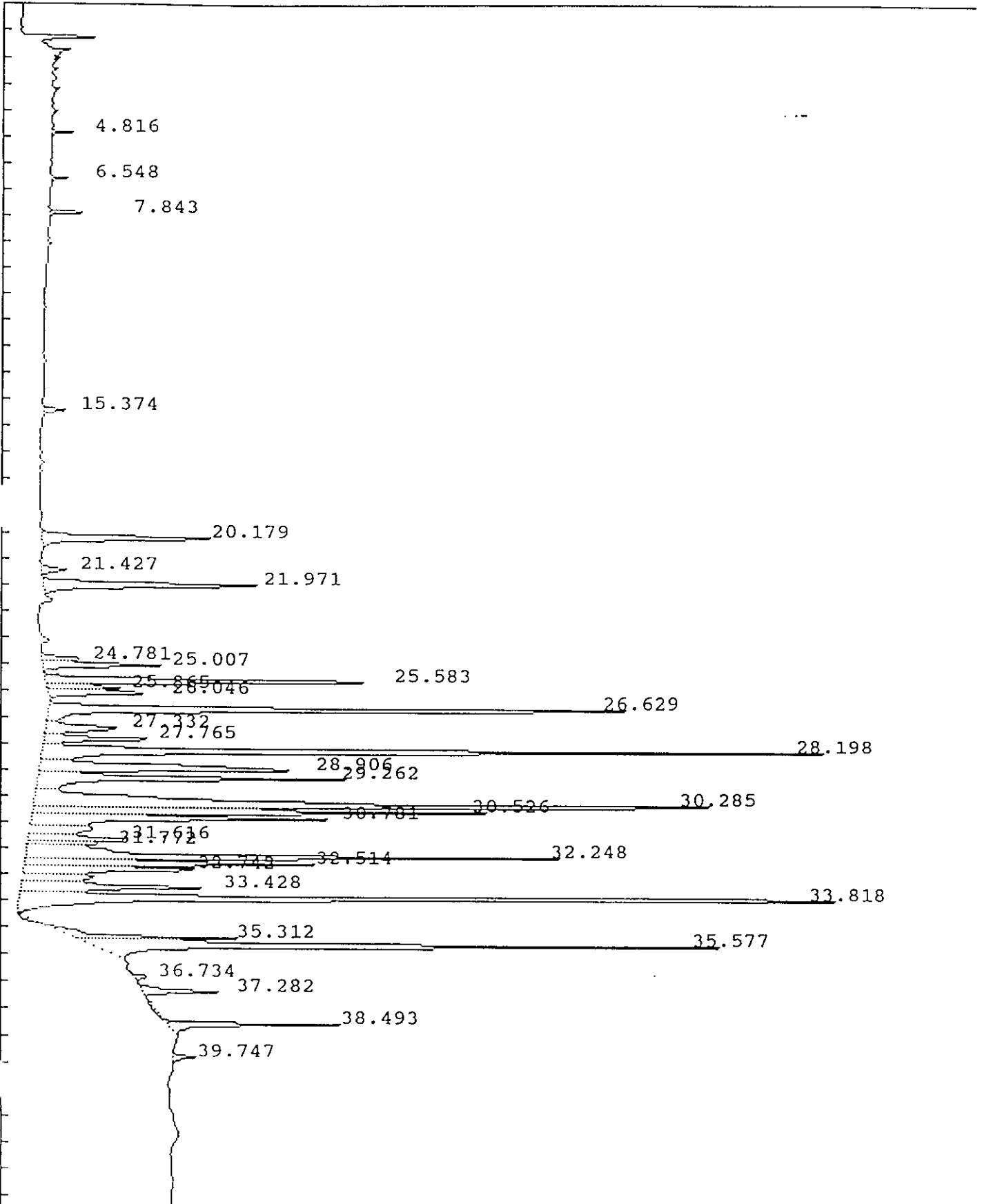
Total Area : 14324632 Total PPB : 30.696

Report Time : 1904 20Feb1993
 Method : /DATA/LOOP/METHOD/A1209.MTH
 Result File : /DATA/LOOP/RESULT/A1209421.RES

IEA Pesticide Standard Report

Sample Name : 0060023 S-105 DF=100000
Result File : /DATA/LOOP/RESULT/B5041133.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1904 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060023 S-105 DF=100000
 Result File : /DATA/LOOP/RESULT/B5041133.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 1904 25Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 34
 Report No : 89.00
 Inj. Vol. : 1 ul
 Bottle no. : 34

% Dil-Fact
3333.00

Run Status : RunStatusOK
NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.82		.054390	6200	BB	0.0000	
2	6.55		.066213	5807	BB	0.0000	
3	7.84	7.87	.074101	15543	BB	.3538	
4	15.37		.133222	11879	BB	0.0000	Tetrachloro-m-xylene
5	20.18		.197678	138705	BB	0.0000	
6	21.43		.186665	19319	BV	0.0000	
7	21.97		.202406	178307	PV	0.0000	
8	24.78		.147135	23973	BV	0.0000	
9	25.01		.163708	80335	VV	0.0000	
10	25.58		.168694	234421	PV	0.0000	
11	25.86		.144569	43463	VV	0.0000	
12	26.05		.159187	66915	VB	0.0000	
13	26.63		.161309	414989	BV	0.0000	
14	27.33	27.29	.244705	69835	VV	2.6585	
15	27.77		.173996	82298	VV	0.0000	Endrin
16	28.20		.161434	528147	VV	0.0000	
17	28.91		.236448	261347	VV	0.0000	
18	29.26		.191163	243730	VV	0.0000	
19	<u>30.29</u>		.214189	660960	VV	0.0000	
20	30.53		.149061	281360	VV	0.0000	
21	30.78		.188767	234637	VV	0.0000	
22	31.62		.188530	81350	VV	0.0000	
23	31.77		.138793	38366	VV	0.0000	
24	<u>32.25</u>	A7/260	.177054	397347	VV	0.0000	
25	32.51		.154564	185842	VV	0.0000	
26	32.74	32.78	.189499	144011	VV	8.8233	
27	33.43		.215571	166310	VV	0.0000	Endrin aldehyde
28	<u>33.82</u>		.153494	641411	VV	0.0000	
29	35.31		.156750	110134	PV	0.0000	
30	35.58		.163372	439061	VB	0.0000	
31	36.73		.139628	8695	BB	0.0000	
32	37.28		.140448	47806	BB	0.0000	
33	38.49		.124985	94266	BB	0.0000	
34	39.75		.134542	12946	BB	0.0000	

Handwritten signature: AUSA/P

Total Area : 5969717 Total PPB : 11.836

Report Time : 1953 25Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH

Result File : /DATA/LOOP/RESULT/B5041133.RES

0 99

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S105

Lab Name: IEA/CT Contract:
Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
Matrix: (soil/water) SOIL Lab Sample ID: 0060023_r
Sample wt/vol: 30.0 (g/mL) G Lab File ID: A1209355.D 0100
% Moisture: 15 decanted: (Y/N) N Date Received: 01/27/93
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/28/93
Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/17/93
Injection Volume: 1.0(uL) Dilution Factor: 10000.0
GPC Cleanup: (Y/N) Y pH: 4.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	390000	U
11104-28-2-----	Aroclor-1221	790000	U
11141-16-5-----	Aroclor-1232	390000	U
53469-21-9-----	Aroclor-1242	390000	U
12672-29-6-----	Aroclor-1248	390000	U
11097-69-1-----	Aroclor-1254	390000	U
11096-82-5-----	Aroclor-1260	13000000	P

IEA Pesticide Standard Report

Sample Name : 0060023 S-105 DF=10000 Inj on 2329 17Feb1993

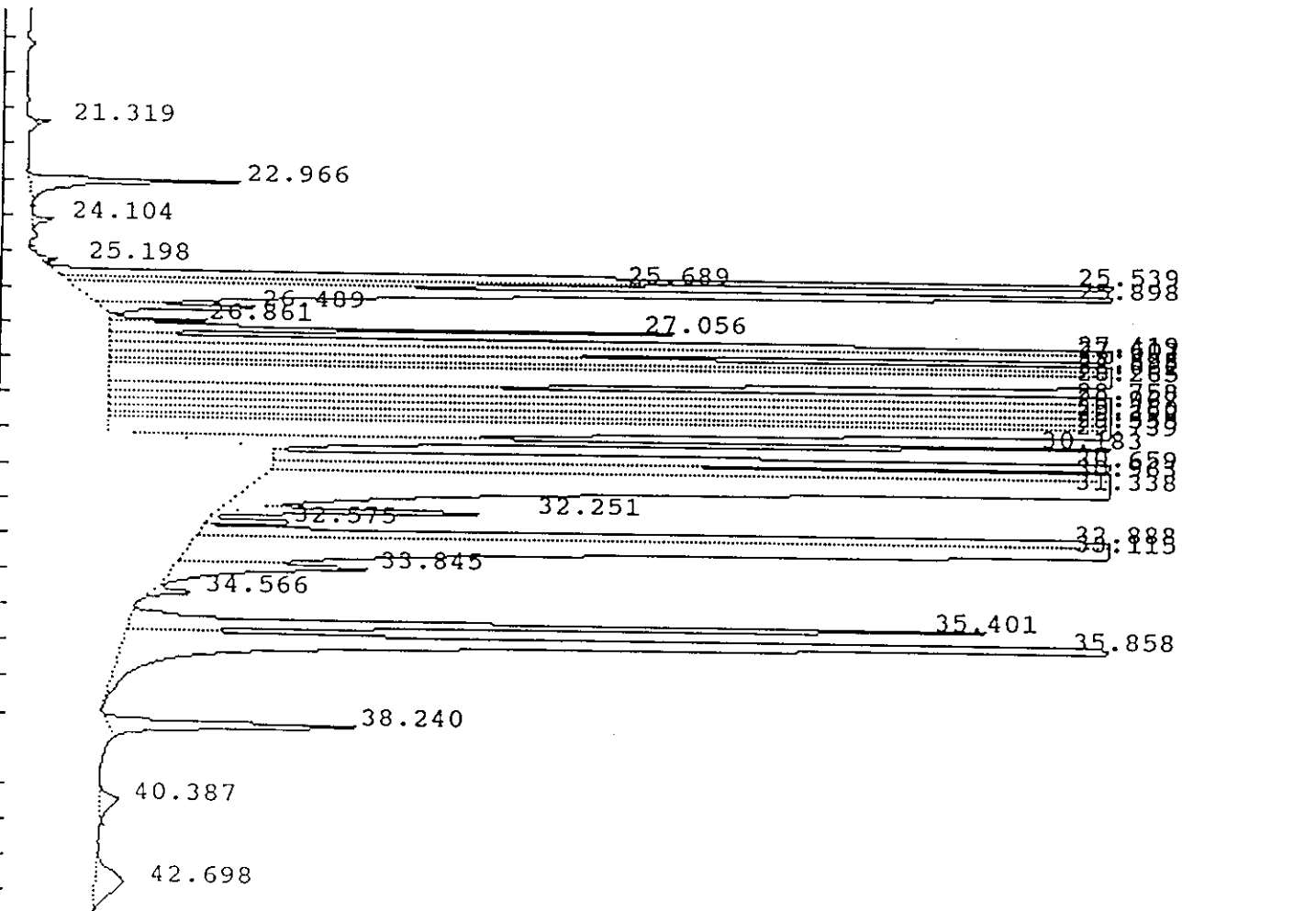
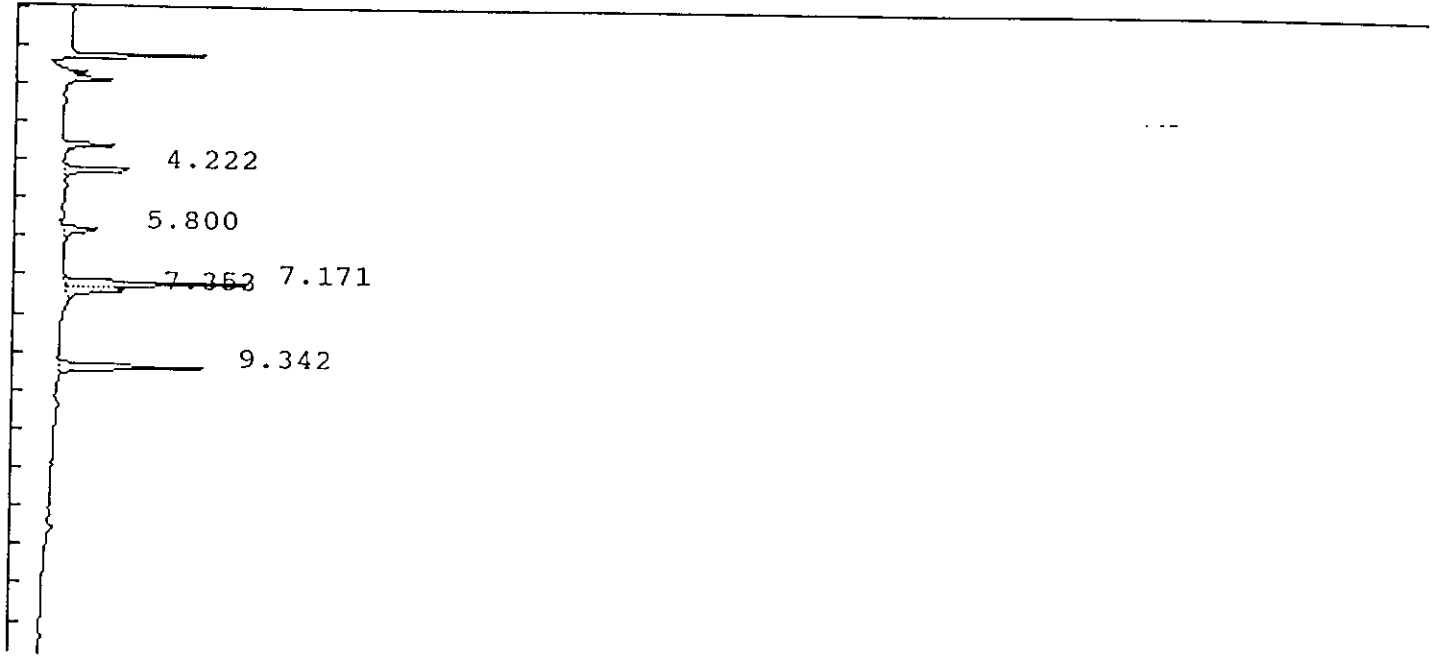
Result File : /DATA/LOOP/RESULT/A1209355.RES

INSTRUMENT: HP58901A

Column Type : RTX-35 30-Meter, 0.53mm ID

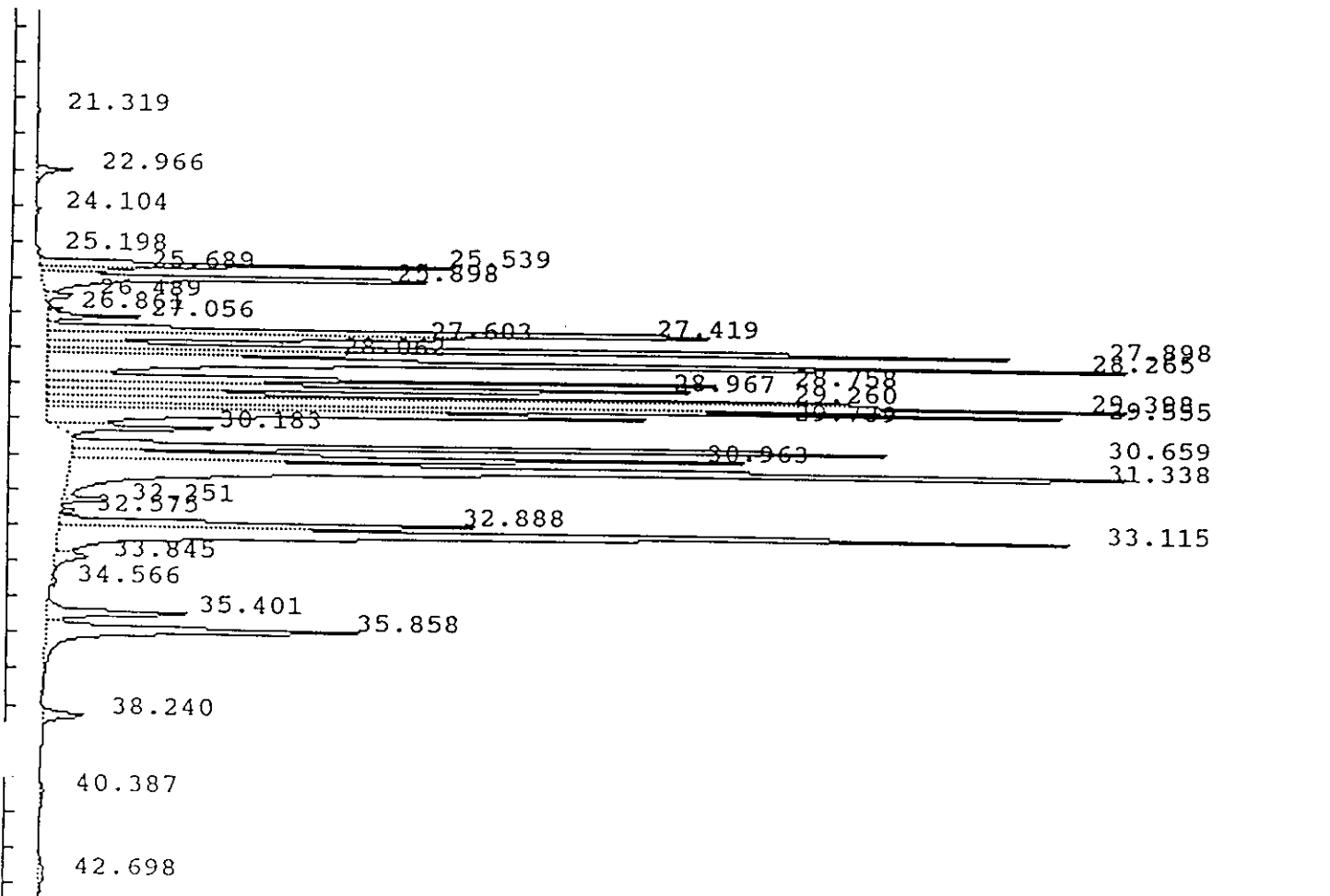
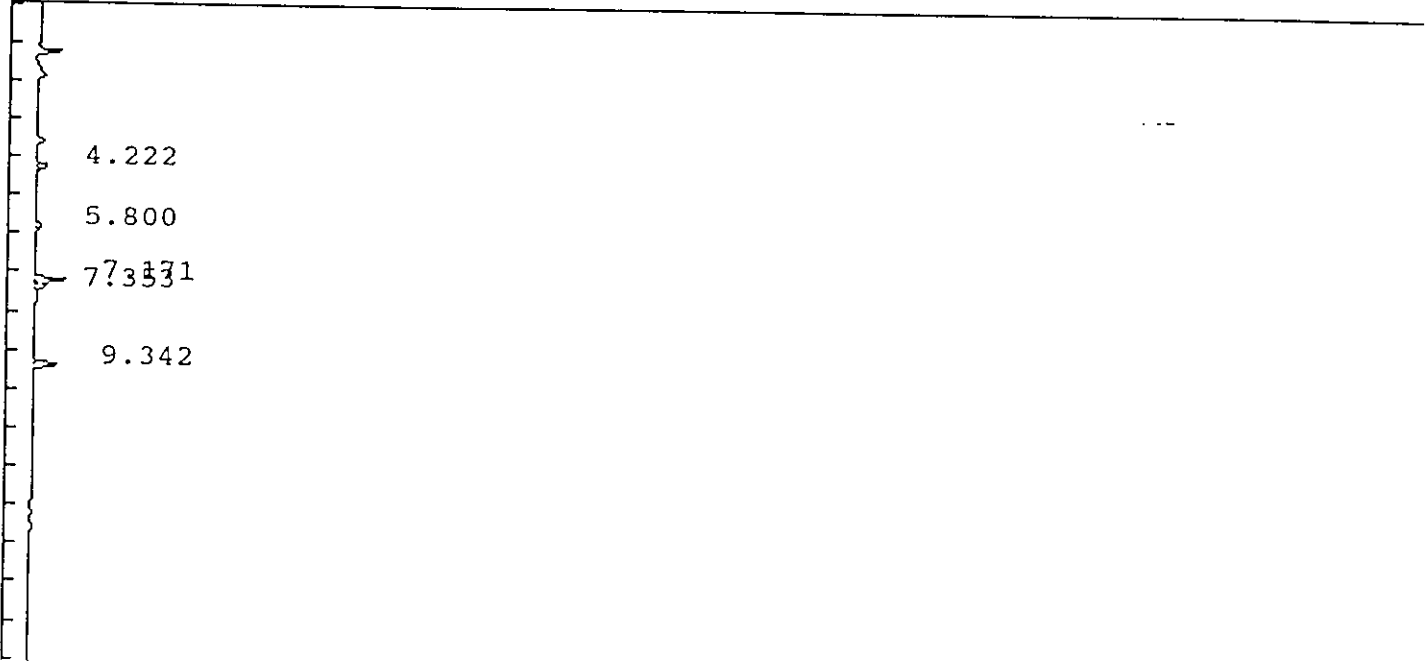
Inj. Vol. : 1 ul

0101



IEA Pesticide Standard Report

Sample Name : 0060023 S-105 DF=10000 Inj on 2329 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209355.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul 0102



IEA Pesticide Standard Report

0103

Sample Name : 0060023 S-105 DF=10000
 Result File : /DATA/LOOP/RESULT/A1209355.RES
 Column Type : RTX-35 30 Meter,0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 2329 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 58 Bottle no. : 58

Report No : 463.10
 Inj. Vol. : 1 ul

% Dil-Fact
 3333.00

Run Status : NoReference
 SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.22		.087429	73983	BB	0.0000	
2	5.80		.144468	45660	BB	0.0000	
3	7.17		.109260	180559	BV	0.0000	
4	7.35		.133355	67338	VB	0.0000	
5	9.34		.125566	156390	BB	0.0000	
6	21.32		.089662	16311	BB	0.0000	
7	22.97	22.99	.157005	319987	BB	3.2421	Aldrin
8	24.10		.128857	32658	BV	0.0000	
9	25.20		.096789	15884	BB	0.0000	
10	25.54		.100031	2536365	BV	0.0000	
11	25.69	25.72	.096700	532706	VV	5.4748	gamma-Chlordane
12	25.90		.137824	3867125	VV	0.0000	
13	26.49		.118841	226482	VB	0.0000	
14	26.86	26.93	.087102	86889	BV	1.0911	4,4'-DDE
15	27.06		.103307	582038	VV	0.0000	
16	27.42		.139487	6416917	VV	0.0000	
17	27.60		.119071	2578889	VV	0.0000	
18	27.90		.122243	7154642	GS	0.0000	
19	28.06	28.13	.102696	1876868	HS	28.3040	Endrin
20	<u>28.26</u>		.173960	10182134	GS	0.0000	
21	28.76		.098951	4241935	HS	0.0000	
22	28.97		.147973	5503264	HS	0.0000	
23	29.26	29.32	.092887	5033556	GS	77.9670	4,4'-DDT
24	<u>29.40</u>		.143194	8382261	GS	0.0000	
25	29.56	29.50	.118900	6960260	GS	117.7459	Endrin aldehyde
26	29.74		.139993	5707220	HS	0.0000	
27	30.18		.135967	1427728	HS	0.0000	
28	30.66	<i>At 1260</i>	.113082	6461302	GS	0.0000	<i>0.073/p</i>
29	30.96		.129454	5010861	HS	0.0000	
30	<u>31.34</u>		.264011	15106858	GS	0.0000	
31	32.25		.109968	279618	BT	0.0000	
32	32.57		.099376	95810	BB	0.0000	
33	32.89		.138734	3435865	BV	0.0000	
34	33.12		.192142	11100206	GV	0.0000	
35	33.84		.247333	427018	VB	0.0000	
36	34.57		.125096	45968	BB	0.0000	
37	35.40		.169289	1380676	BV	0.0000	
38	35.86		.215094	3782740	VV	0.0000	
39	38.24		.202804	458430	BB	0.0000	

IEA Pesticide Standard Report

pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	40.39		.414802	67874	BB	0.0000	
41	42.70		.784062	190303	BB	0.0000	

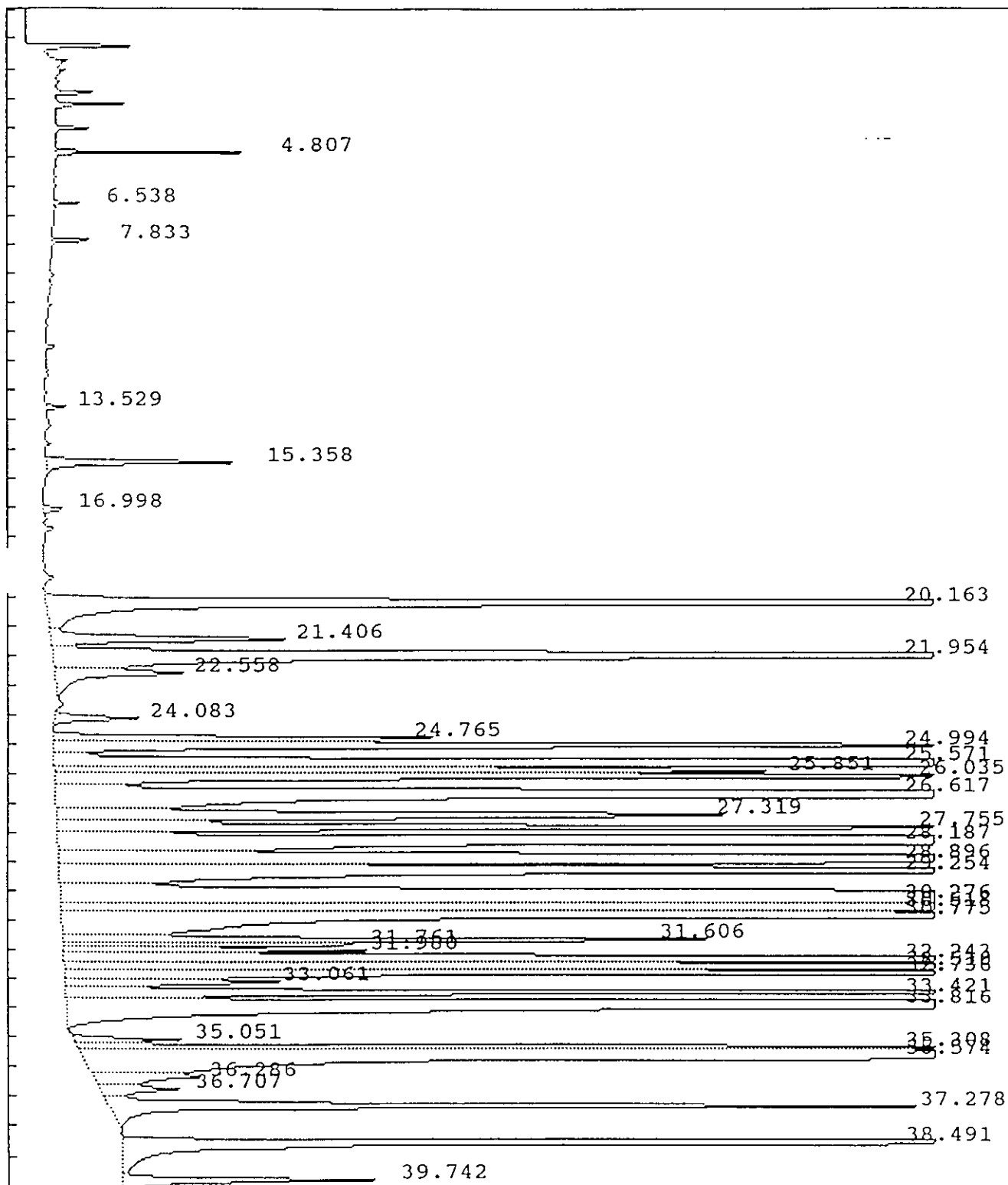
Total Area : 122049600 Total PPB : 233.825

Report Time : 1639 18Feb1993
Method : /DATA/LOOP/METHOD/A1209_355.MT
Result File : /DATA/LOOP/RESULT/A1209355.RES

IEA Pesticide Standard Report

Sample Name : 0060023 S-105 DF=10000
Result File : /DATA/LOOP/RESULT/B5041139.RES
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0108 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060023 S-105 DF=10000 Report No : 95.00
 Result File : /DATA/LOOP/RESULT/B5041139.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0108 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 40 Bottle no. : 40

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.81		.054595	52943	BB	0.0000	
2	6.54		.071620	8053	BB	0.0000	
3	7.83	7.87	.075277	16121	BB	.3670	Tetrachloro-m-xylene
4	13.53		.113548	8552	BB	0.0000	
5	15.36		.149649	111731	BB	0.0000	
6	17.00		.157275	12386	BB	0.0000	
7	20.16		.213575	1190860	BV	0.0000	
8	21.41		.212693	185095	VV	0.0000	
9	21.95		.213687	1525829	VV	0.0000	
10	22.56		.284549	134816	VV	0.0000	
11	24.08	24.12	.177121	55361	BV	1.4336	alpha-Chlordane
12	24.76		.148168	217366	PV	0.0000	
13	24.99		.174937	659861	VV	0.0000	
14	25.57		.174303	2126850	VV	0.0000	
15	25.85		.147341	401732	VV	0.0000	
16	26.04		.179213	650917	VV	0.0000	
17	26.62		.173663	3469650	VV	0.0000	
18	27.32	27.29	.246323	602154	VV	22.9233	Endrin
19	27.76		.169238	663938	VV	0.0000	
20	28.19		.165566	4259271	VV	0.0000	
21	28.90		.219452	2129082	VV	0.0000	
22	29.25		.171606	2135240	VV	0.0000	
23	30.28		.211735	5861465	VV	0.0000	
24	30.52		.145721	2255932	VV	0.0000	
25	30.78		.174512	1839424	VV	0.0000	
26	31.61		.146982	384704	VV	0.0000	
27	31.76		.119943	131208	VV	0.0000	
28	31.98		.142711	161106	VV	0.0000	
29	32.24	At 126 0	.136671	2578574	VV	0.0000	
30	32.51		.138176	1289232	VV	0.0000	
31	32.74	32.78	.147134	788059	VV	48.2829	Endrin aldehyde
32	33.06		.190681	153047	VV	0.0000	
33	33.42		.136578	746324	VV	0.0000	
34	33.82		.146108	5755068	VV	0.0000	
35	35.05		.132719	55830	PV	0.0000	
36	35.31		.120632	699011	VV	0.0000	
37	35.57		.158992	4241851	VV	0.0000	
38	36.29		.248749	99764	VV	0.0000	
39	36.71		.228639	68600	VV	0.0000	

2083/8

IEA Pesticide Standard Report

Name 0107

RT	ID-tm	Peak Width	Area	Code	PPB
40	37.28	.155502	521311	VB	0.0000
41	38.49	.134488	1007603	BV	0.0000
42	39.74	.155527	153908	VV	0.0000

Total Area : 49409832 Total PPB : 73.007

Report Time : 0158 26Feb1993
 Method : /DATA/LOOP/METHOD/B5041.MTH
 Result File : /DATA/LOOP/RESULT/B5041139.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S106DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060024DL

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209422.D

% Moisture: 12 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/20/93

Injection Volume: 1.0(uL)

Dilution Factor: 100000.0

GPC Cleanup: (Y/N) Y pH: 4.4

Sulfur Cleanup: (Y/N) N

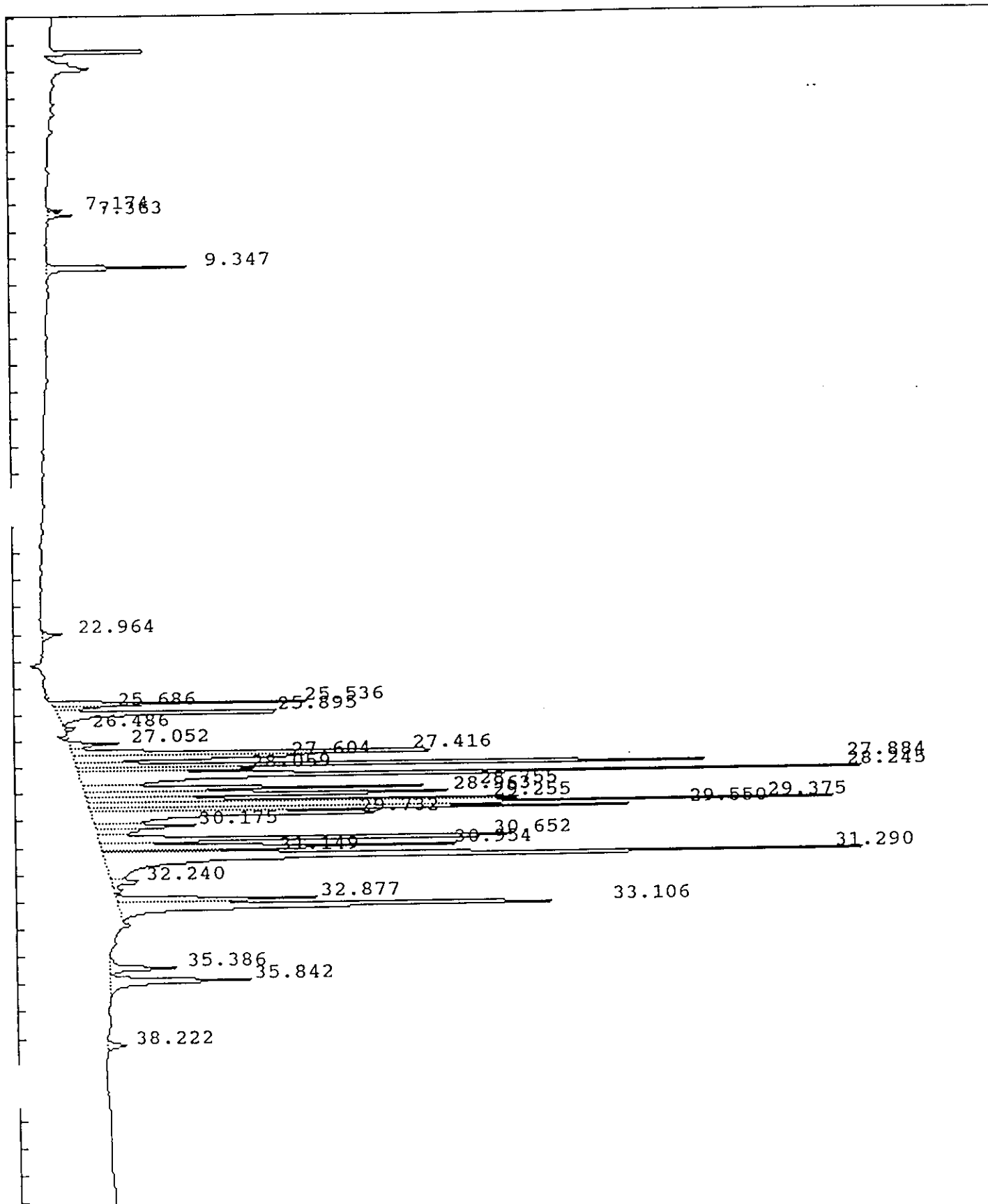
0108

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	3800000	U
11104-28-2-----	Aroclor-1221	7600000	U
11141-16-5-----	Aroclor-1232	3800000	U
53469-21-9-----	Aroclor-1242	3800000	U
12672-29-6-----	Aroclor-1248	3800000	U
11097-69-1-----	Aroclor-1254	3800000	U
11096-82-5-----	Aroclor-1260	20000000	D

IEA Pesticide Standard Report

Sample Name : 0060024 S-106 DF=100000 Inj on 1911 20Feb1993
Result File : /DATA/LOOP/RESULT/A1209422.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060024 S-106 DF=100000 Report No :531.00
 Result File : /DATA/LOOP/RESULT/A1209422.RES
 Column Type : RTX-35 30 Meter,0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1911 20Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 5/ 26 Bottle no. : 26

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.17		.091321	17775	BV	0.0000	
2	7.36		.107335	34488	VB	0.0000	
3	9.35		.123235	213579	BB	0.0000	
4	22.96	22.99	.136677	33729	BB	.3417	Aldrin
5	25.54		.089217	300182	BV	0.0000	
6	25.69	25.72	.096754	59753	VV	.6141	gamma-Chlordane
7	25.89		.121082	445569	VV	0.0000	
8	26.49		.087379	16761	VB	0.0000	
9	27.05		.103700	68088	BV	0.0000	
10	27.42		.139984	760674	VV	0.0000	
11	27.60		.118731	306366	VV	0.0000	
12	27.88		.097690	1001017	VV	0.0000	
13	28.06		.102038	231820	VV	0.0000	
14	<u>28.24</u>		.128573	1470908	VV	0.0000	
15	28.75		.106869	502030	VV	0.0000	
16	28.96		.155533	684193	VV	0.0000	
17	29.26		.104206	609716	VV	0.0000	
18	<u>29.37</u>	29.32	.106790	1020839	VV	15.8122	4,4'-DDT
19	29.55	29.50	.106047	761376	VV	12.8801	Endrin aldehyde
20	29.73		.149473	661317	VV	0.0000	
21	30.18		.137662	181261	VV	0.0000	
22	30.65		.117809	749198	VV	0.0000	
23	30.95		.134968	571018	VV	0.0000	
24	31.15		.087420	181620	VV	0.0000	
25	<u>31.29</u>		.151319	1879663	VV	0.0000	
26	32.24		.161258	60284	VV	0.0000	
27	32.88		.132034	321571	PV	0.0000	
28	33.11		.177472	1017744	VV	0.0000	
29	35.39		.164572	131104	BV	0.0000	
30	35.84		.191096	319627	VB	0.0000	
31	38.22		.185744	41463	BB	0.0000	

Handwritten circled note: 28.3/P

Handwritten note: 29.50

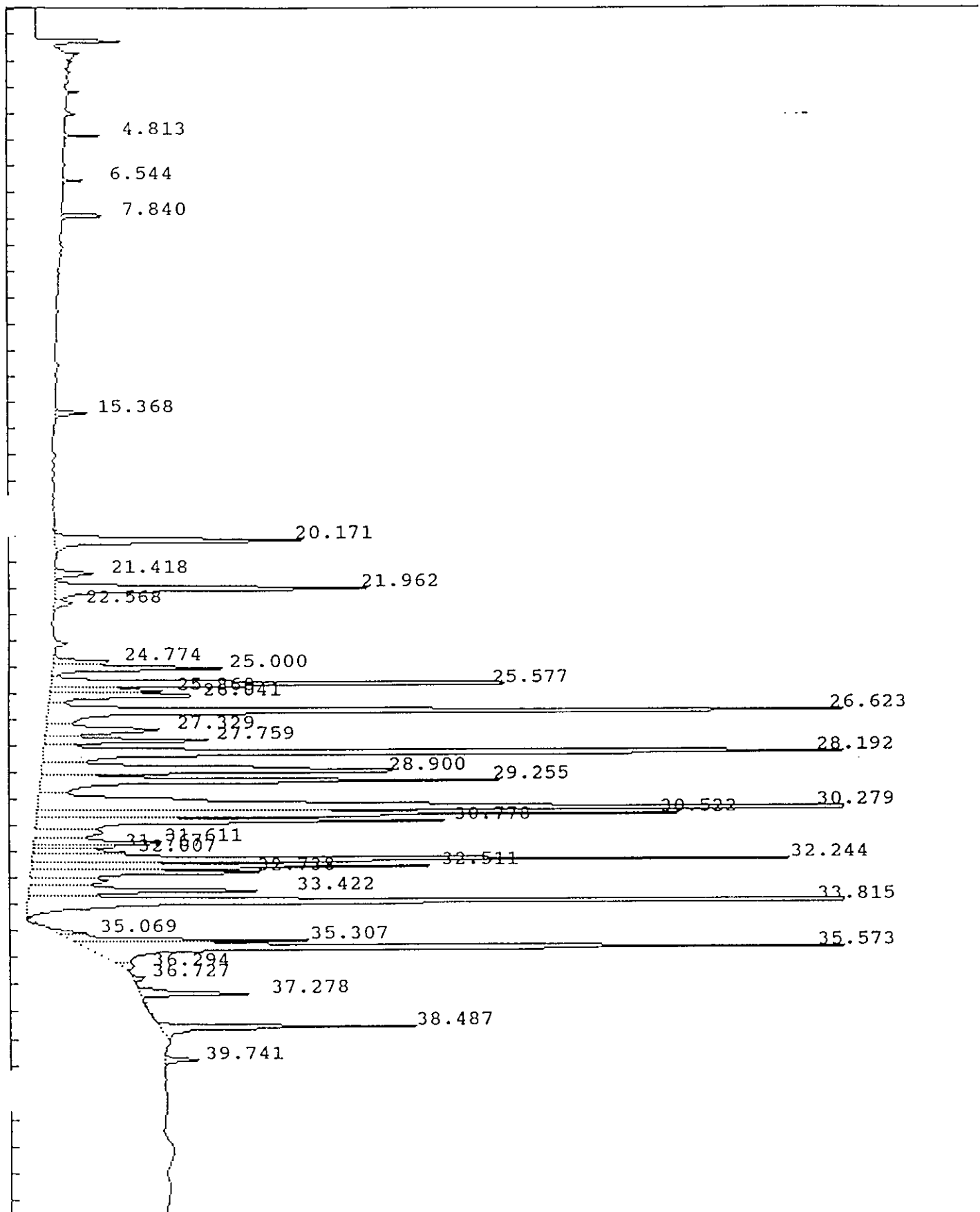
Total Area : 14654736 Total PPB : 29.648

Report Time : 1958 20Feb1993
 Method : /DATA/LOOP/METHOD/A1209.MTH
 Result File : /DATA/LOOP/RESULT/A1209422.RES

IEA Pesticide Standard Report

Sample Name : 0060024^{DL}S-106 DF=100000
Result File : /DATA/LOOP/RESULT/B5041134.RES
Column Type : DB-1701 30-Meter,0.53mm ID

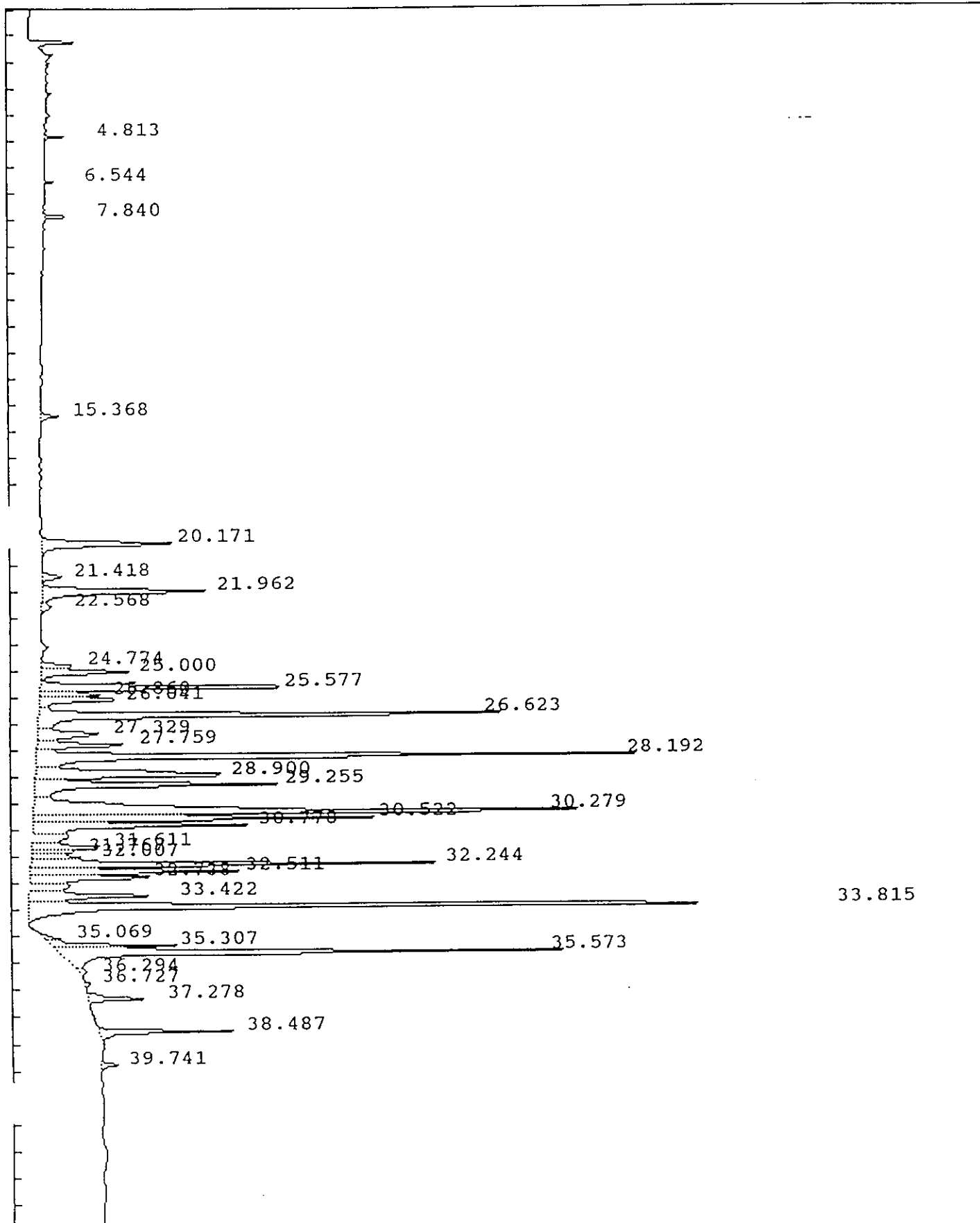
Inj on 1958 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060024 S-106 DF=100000
Result File : /DATA/LOOP/RESULT/B5041134.RES
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 1958 25Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060024 S-106 DF=100000 Report No : 90.00
 Result File : /DATA/LOOP/RESULT/B5041134.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 1958 25Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 35 Bottle no. : 35

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.81		.054171	10807	BB	0.0000	
2	6.54		.065642	6153	BB	0.0000	
3	7.84	7.87	.074790	20839	BB	.4743	Tetrachloro-m-xylene
4	15.37		.136794	18696	BB	0.0000	
5	20.17		.198191	205299	BB	0.0000	
6	21.42		.193958	30216	BV	0.0000	
7	21.96		.210129	272047	VV	0.0000	
8	22.57		.214820	16298	VB	0.0000	
9	24.77		.147096	37889	BV	0.0000	
10	25.00		.172343	123088	VV	0.0000	
11	25.58		.171005	356894	VV	0.0000	
12	25.86		.147383	70517	VV	0.0000	
13	26.04		.180594	119093	VV	0.0000	
14	26.62		.170423	642540	VV	0.0000	
15	27.33	27.29	.262725	122812	VV	4.6753	Endrin
16	27.76		.181285	133111	VV	0.0000	
17	28.19		.162792	780407	VV	0.0000	
18	28.90		.232959	385344	VV	0.0000	
19	29.26		.188155	364350	VV	0.0000	
20	30.28		.212731	969141	VV	0.0000	
21	30.52		.144083	393280	VV	0.0000	
22	30.78		.178998	315272	VV	0.0000	
23	31.61		.181656	104871	VV	0.0000	
24	31.77		.138138	46777	VV	0.0000	
25	32.01		.167466	64264	VV	0.0000	
26	32.24	<i>At 1260</i>	.144176	473569	VV	0.0000	
27	32.51		.147061	250108	VV	0.0000	
28	32.74	32.78	.175897	183075	VV	11.2167	Endrin aldehyde
29	33.42		.190030	198676	VV	0.0000	
30	33.81		.145138	921507	VV	0.0000	
31	35.07		.180088	24222	PV	0.0000	
32	35.31		.133106	136355	VV	0.0000	
33	35.57		.161962	665622	VV	0.0000	
34	36.29		.203150	12237	VB	0.0000	
35	36.73		.156644	9005	BV	0.0000	
36	37.28		.134106	69144	PB	0.0000	
37	38.49		.128721	144985	BB	0.0000	
38	39.74		.135240	20151	BB	0.0000	

arrsp

Total Area : 8718664 Total PPB : 16.366

IEA Pesticide Standard Report

0114

Report Time : 2051 25Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041134.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S106

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060024

C 0115

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209356.D

% Moisture: 12 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/18/93

Injection Volume: 1.0(uL)

Dilution Factor: 10000.0

GPC Cleanup: (Y/N) Y pH: 4.4

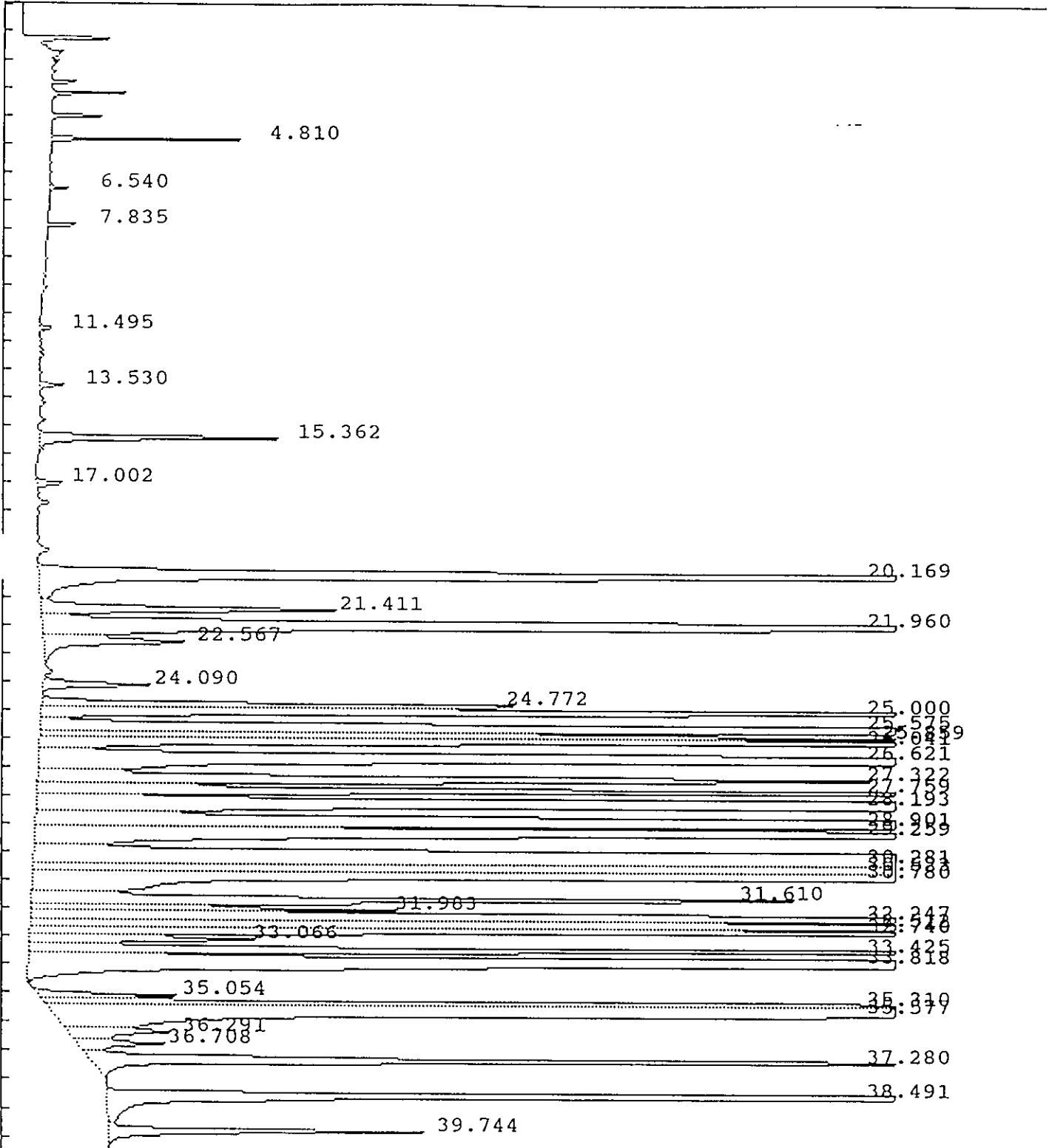
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	380000	U
11104-28-2-----	Aroclor-1221	760000	U
11141-16-5-----	Aroclor-1232	380000	U
53469-21-9-----	Aroclor-1242	380000	U
12672-29-6-----	Aroclor-1248	380000	U
11097-69-1-----	Aroclor-1254	380000	U
11096-82-5-----	Aroclor-1260	16000000	

IEA Pesticide Standard Report

Sample Name : 0060024 S-106 DF=10000
Result File : /DATA/LOOP/RESULT/B5041140.RES
Column Type : DB-1701 30-Meter,0.53mm ID

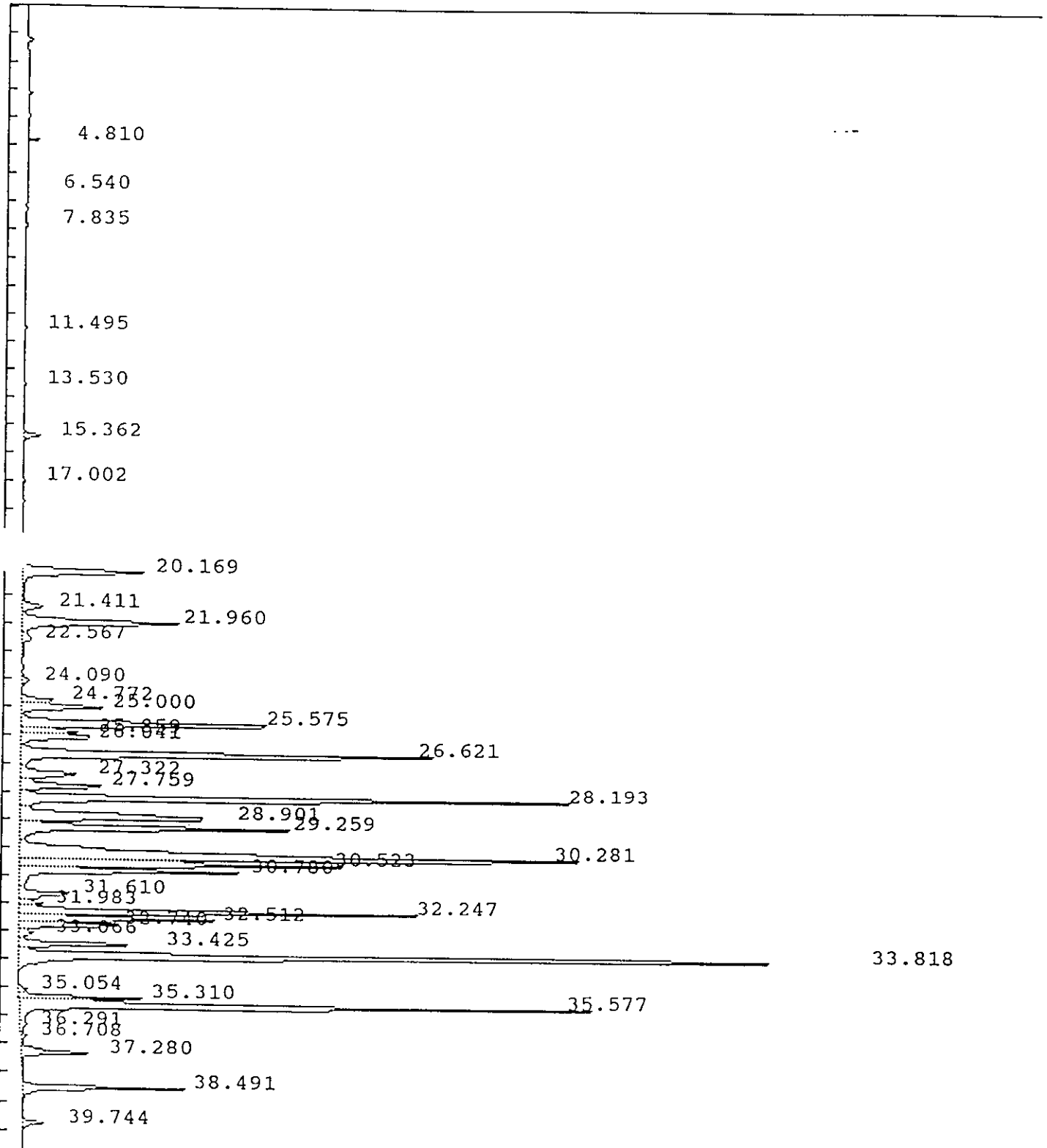
Inj on 0202 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul 0116



IEA Pesticide Standard Report

Sample Name : 0060024 S-106 DF=10000
Result File : /DATA/LOOP/RESULT/B5041140.RES
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0202 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060024 S-106 DF=10000 Report No : 96.10
 Result File : /DATA/LOOP/RESULT/B5041140.RES
 Column Type : DB-1701 30 Meter,0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0202 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 41 Bottle no. : 41

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.81		.056785	56174	BB	0.0000	
2	6.54		.075965	6870	BB	0.0000	
3	7.84	7.87	.076051	13739	BB	.3127	Tetrachloro-m-xylene
4	11.49		.084437	5628	BB	0.0000	
5	13.53		.119203	12084	BB	0.0000	
6	15.36		.152192	145540	BB	0.0000	
7	17.00		.160585	16892	BB	0.0000	
8	20.17		.211465	1506577	BV	0.0000	
9	21.41		.210474	235759	VV	0.0000	
10	21.96		.214001	1950522	VV	0.0000	
11	22.57		.256994	138940	VB	0.0000	
12	24.09	24.12	.177582	73693	VV	1.9083	alpha-Chlordane
13	24.77		.155400	304355	PV	0.0000	
14	25.00		.172653	821849	VV	0.0000	
15	25.57		.176288	2772847	VV	0.0000	
16	25.86		.148472	497997	VV	0.0000	
17	26.04		.169217	757164	VV	0.0000	
18	26.62		.171681	4273811	VV	0.0000	
19	27.32	27.29	.232994	740840	VV	28.2029	Endrin
20	27.76		.161759	827679	VV	0.0000	
21	28.19		.161938	5287699	VV	0.0000	
22	28.90		.221763	2666858	VV	0.0000	
23	29.26		.166275	2642527	VV	0.0000	
24	<u>30.28</u>		.217826	7616540	VV	0.0000	
25	30.52		.141799	2715558	VV	0.0000	
26	30.78		.155394	2058383	VV	0.0000	
27	31.61		.191727	635567	VV	0.0000	
28	31.98		.135898	191872	VV	0.0000	
29	<u>32.25</u>		.139688	3330436	VV	0.0000	
30	32.51		.136183	1603399	VV	0.0000	
31	32.74	32.78	.137611	925250	VV	56.6884	Endrin aldehyde
32	33.07		.177594	159282	VV	0.0000	
33	33.43		.134202	980344	VV	0.0000	
34	<u>33.82</u>		.144990	7248837	VV	0.0000	
35	35.05		.136131	76277	PV	0.0000	
36	35.31		.124435	936406	VV	0.0000	
37	35.58		.154591	5319842	VV	0.0000	
38	36.29		.230862	93141	VV	0.0000	
39	36.71		.222414	76659	VV	0.0000	

Acc 3/p

AN/260

IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	37.28		.151857	656817	VB	0.0000	
41	38.49		.128840	1285422	BV	0.0000	
42	39.74		.153297	193899	VV	0.0000	

Total Area : 61859984 Total PPB : 87.112

Report Time : 2313 26Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041140.RES

IEA Pesticide Standard Report

0120

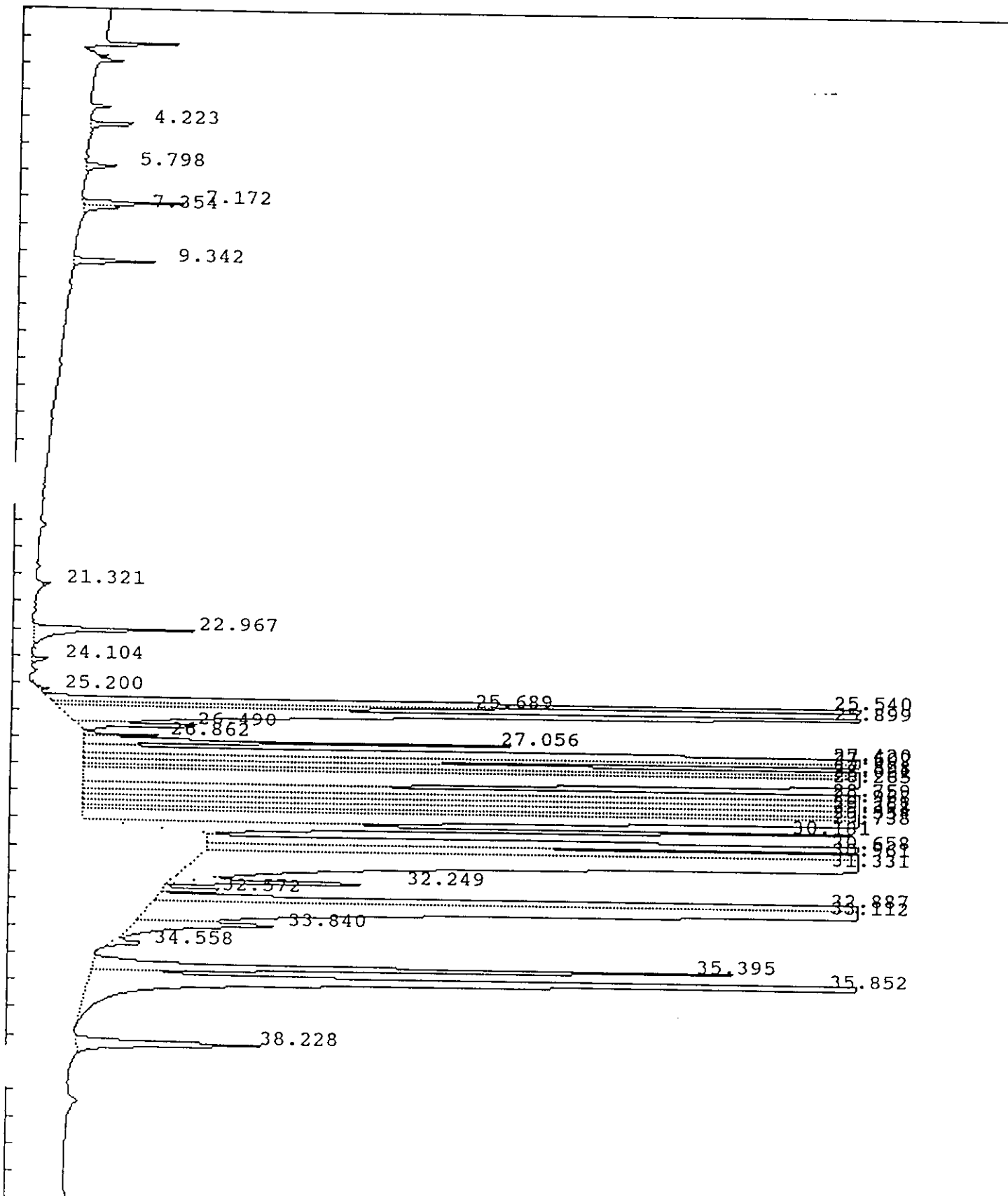
Sample Name : 0060024 S-106 DF=10000 Inj on 0023 18Feb1993

Result File : /DATA/LOOP/RESULT/A1209356.RES

INSTRUMENT: HP58901A

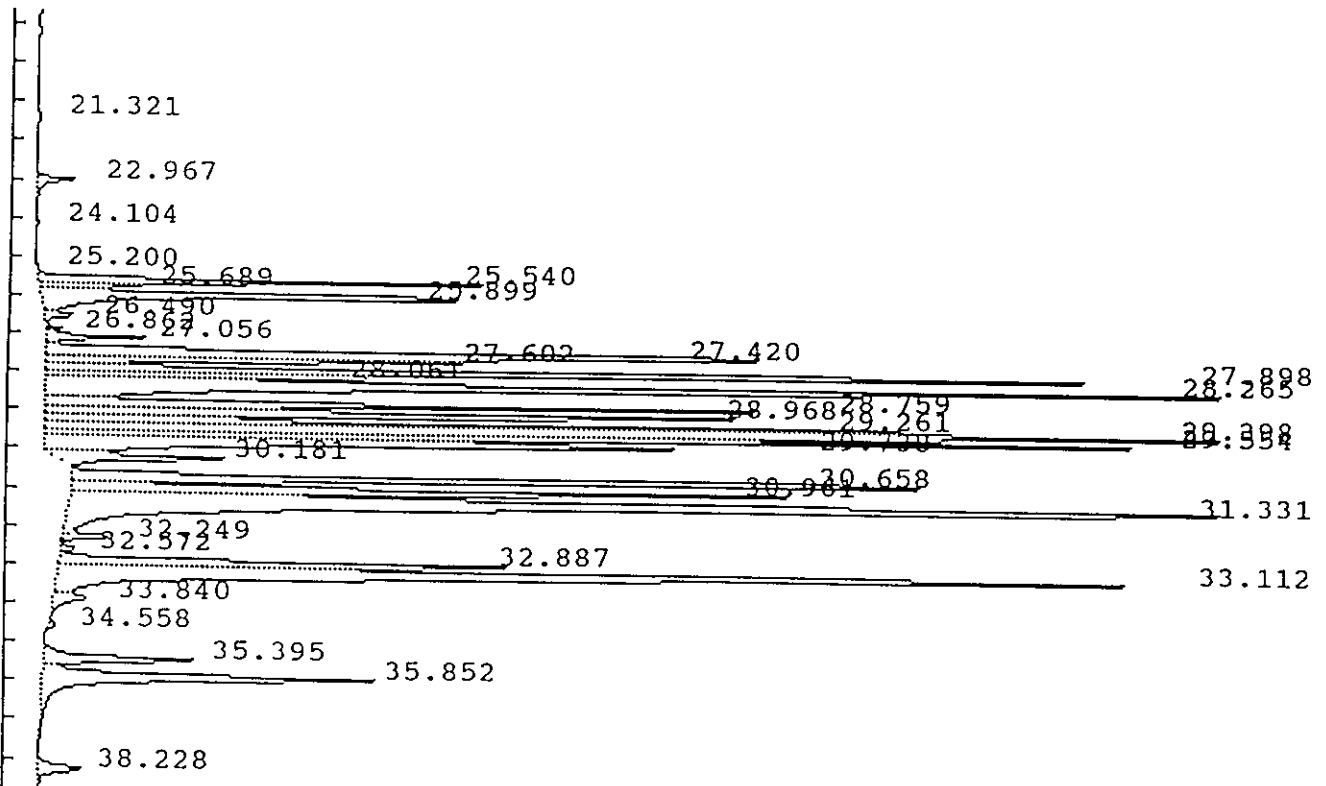
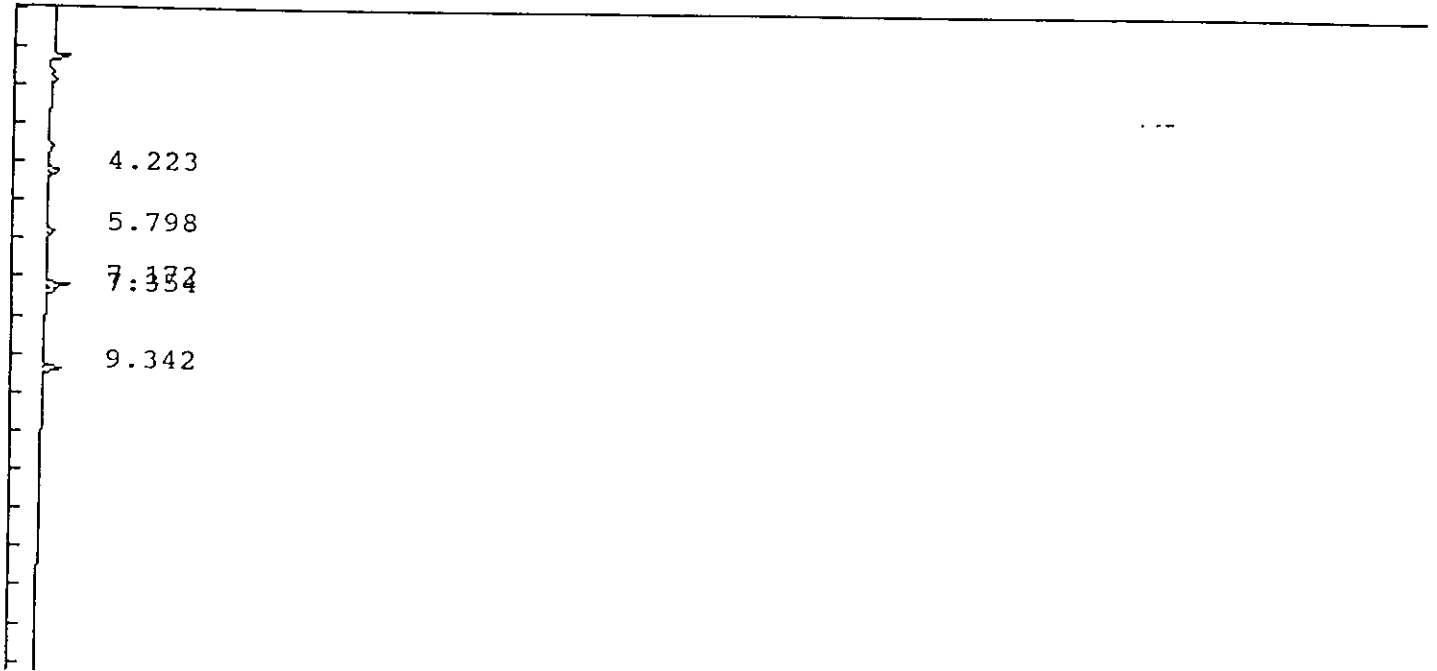
Column Type : RTX-35 30-Meter,0.53mm ID

Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060024 S-106 DF=10000 Inj on 0023 18Feb1993
Result File : /DATA/LOOP/RESULT/A1209356.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060024 S-106 DF=10000
 Result File : /DATA/LOOP/RESULT/A1209356.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0023 18Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 59
 Bottle no. : 59

Report No : 464.10
 Inj. Vol. : 1 ul

% Dil-Fact
 3333.00

Run Status : NoReference
 SignalOverload

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.22		.090597	72774	BB	0.0000	
2	5.80		.149817	57269	BB	0.0000	
3	7.17		.110078	146384	BV	0.0000	
4	7.35		.131492	60160	VB	0.0000	
5	9.34		.125234	125844	BB	0.0000	
6	21.32		.076554	10692	BB	0.0000	
7	22.97	22.99	.165000	337252	BB	0.0000	
8	24.10		.118788	29079	BV	3.4170	Aldrin
9	25.20		.073792	10489	BB	0.0000	
10	25.54		.102352	2568137	BV	0.0000	
11	25.69	25.72	.095175	521915	VV	5.3639	gamma-Chlordane
12	25.90		.140792	3889214	VV	0.0000	
13	26.49		.120388	231883	VB	0.0000	
14	26.86	26.93	.087193	87820	BV	1.1028	4,4'-DDE
15	27.06		.103999	587185	VV	0.0000	
16	27.42		.141267	6442817	VV	0.0000	
17	27.60		.118047	2539573	VV	0.0000	
18	27.90		.122670	7204537	GS	0.0000	
19	28.06	28.13	.102005	1842745	HS	27.7894	Endrin
20	<u>28.26</u>		.173477	10189116	GS	0.0000	
21	28.76		.101656	4243991	HS	0.0000	
22	28.97		.148392	5463077	HS	0.0000	
23	29.26	29.32	.093316	4956698	GS	76.7765	4,4'-DDT
24	<u>29.40</u>		.146515	8606454	GS	0.0000	
25	29.55	29.50	.113939	6694609	GS	113.2519	Endrin aldehyde
26	29.74		.141721	5632212	HS	0.0000	
27	30.18	At 1260	.138393	1422399	HS	0.0000	
28	30.66		.112985	6395874	GS	0.0000	
29	30.96		.131798	4985060	HS	0.0000	
30	<u>31.33</u>		.264028	15156730	GS	0.0000	
31	32.25		.112899	279075	BT	0.0000	
32	32.57		.097482	87455	BB	0.0000	
33	32.89		.140876	3414198	BV	0.0000	
34	33.11		.189226	10966496	GV	0.0000	
35	33.84		.243746	407704	VB	0.0000	
36	34.56		.129690	48433	BB	0.0000	
37	35.40		.172605	1360914	BV	0.0000	
38	35.85		.218537	3713219	VV	0.0000	
39	38.23		.205653	443146	BB	0.0000	

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0123

Total Area : 121232624 Total PPB : 227.701
IEA Pesticide Standard Report

Report Time : 1645 18Feb1993
Method : /DATA/LOOP/METHOD/A1209_355.MT
Result File : /DATA/LOOP/RESULT/A1209356.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS83DL

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 0060A SAS No.: _____ SDG No.: A0060

Matrix: (soil/water) SOIL Lab Sample ID: 0060025DL ⁰ 0124

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A1209340.D

% Moisture: 8 decanted: (Y/N) N Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/17/93

Injection Volume: 1.0(uL) Dilution Factor: 100.0

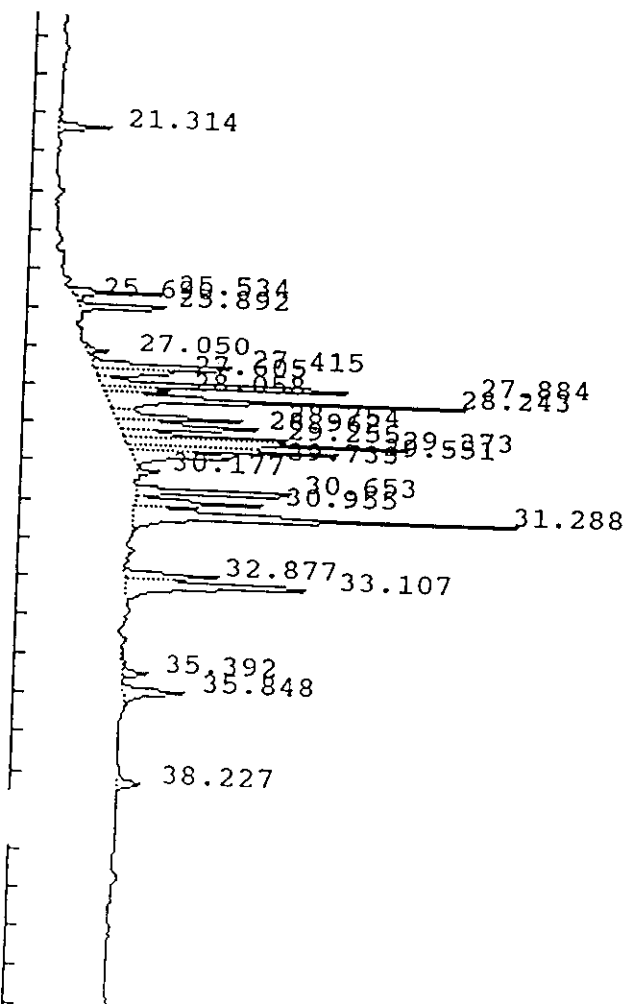
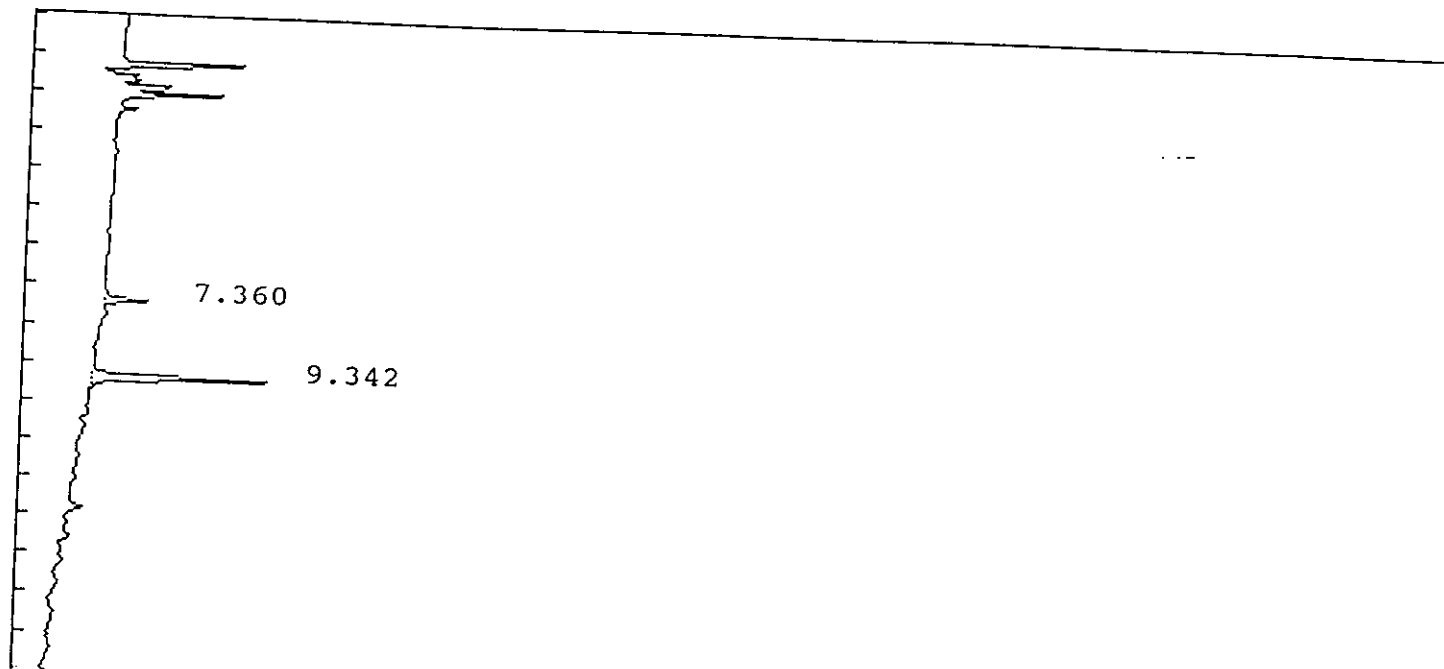
GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	3600	U
11104-28-2-----	Aroclor-1221	7300	U
11141-16-5-----	Aroclor-1232	3600	U
53469-21-9-----	Aroclor-1242	3600	U
12672-29-6-----	Aroclor-1248	3600	U
11097-69-1-----	Aroclor-1254	3600	U
11096-82-5-----	Aroclor-1260	4400	D

IEA Pesticide Standard Report

Sample Name : 0060025 CS-83 DF=100 Inj on 0854 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209340.RES
Column Type : RTX-35 30-Meter, 0.53mm ID

INSTRUMENT: HP58901A
Inj. Vol. : 1 ul



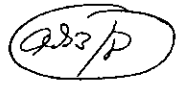
IEA Pesticide Standard Report

Sample Name : 0060025 CS-83 DF=100
 Result File : /DATA/LOOP/RESULT/A1209340.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0854 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 43
 Bottle no. : 43

Report No : 448.00
 Inj. Vol. : 1 ul

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.36		.102851	40954	BB	0.0000	
2	9.34		.126814	196911	BB	0.0000	
3	21.31		.114499	55999	BB	0.0000	
4	25.53		.082825	74683	BV	0.0000	
5	25.69	25.72	.081079	10302	VV	.1059	
6	25.89		.093892	100941	VB	0.0000	gamma-Chlordane
7	27.05		.110097	22485	BV	0.0000	
8	27.42		.141593	213576	VV	0.0000	
9	27.61		.106633	70365	VV	0.0000	
10	27.88		.095204	293499	VV	0.0000	
11	28.06		.093676	58995	VV	0.0000	
12	<u>28.24</u>		.113710	396636	VV	0.0000	
13	28.75		.114443	153185	VV	0.0000	
14	28.96		.148942	188829	VV	0.0000	
15	29.26		.103567	170515	VV	0.0000	
16	<u>29.37</u>	29.32	.100374	267454	VV	4.1427	
17	29.55	29.50	.100360	208375	VV	3.5251	4,4'-DDT
18	29.73		.126169	146392	VV	0.0000	Endrin aldehyde
19	30.18	<i>Ac 260</i>	.089174	21170	VB	0.0000	
20	30.65		.106185	193532	BV	0.0000	
21	30.96		.124326	141562	VV	0.0000	
22	<u>31.29</u>		.142713	499447	VB	0.0000	
23	32.88		.131626	112865	BV	0.0000	
24	33.11		.180275	314458	VB	0.0000	
25	35.39		.184353	41496	BV	0.0000	
26	35.85		.188030	103418	PB	0.0000	
27	38.23		.185779	33755	BB	0.0000	

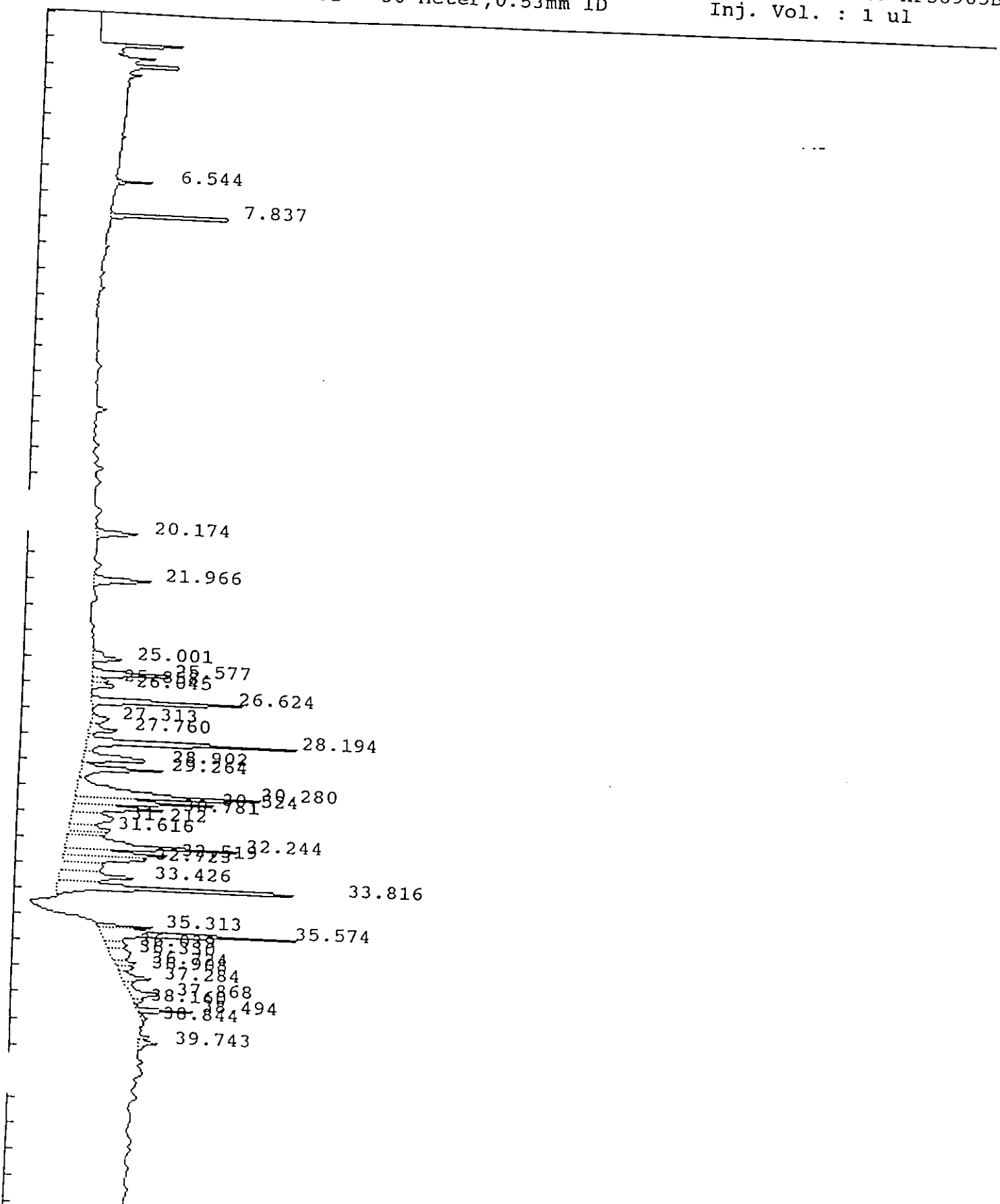
Total Area : 4131801 Total PPB : 7.774

Report Time : 0941 17Feb1993
 Method : /DATA/LOOP/METHOD/A1209.MTH
 Result File : /DATA/LOOP/RESULT/A1209340.RES

IEA Pesticide Standard Report

Sample Name : 0060025
Result File : /DATA/LOOP/RESULT/B5041141.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0256 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060025 CS-83 DF=100
 Result File : /DATA/LOOP/RESULT/B5041141.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0256 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 42

Report No : 97.00
 Inj. Vol. : 1 ul

Bottle no. : 42

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	6.54		.068021	13312	BB	0.0000	
2	7.84	7.87	.077474	70210	BB	1.5981	Tetrachloro-m-xylene
3	20.17		.186441	34747	BB	0.0000	
4	21.97		.187628	47469	BB	0.0000	
5	25.00		.228012	30623	BB	0.0000	
6	25.58		.174190	66364	BV	0.0000	
7	25.86		.145410	11482	VV	0.0000	
8	26.05		.148773	16794	VB	0.0000	
9	26.62		.149810	105605	BB	0.0000	
10	27.31	27.29	.251912	20005	BV	.7616	Endrin
11	27.76		.181827	24242	VV	0.0000	
12	28.19		.156881	147537	VV	0.0000	
13	28.90		.231516	70832	VV	0.0000	
14	29.26		.183950	66877	VV	0.0000	
15	30.28		.231944	199514	VV	0.0000	
16	30.52		.154283	95540	VV	0.0000	
17	30.78		.175785	71213	VV	0.0000	
18	31.21		.404179	75306	VV	0.0000	
19	31.62		.193361	36786	VV	0.0000	
20	32.24	<i>Null</i>	.227950	175116	VV	0.0000	
21	32.52		.170130	76678	VV	0.0000	
22	32.72	32.78	.239559	86518	VV	5.3008	Endrin-aldehyde
23	33.43		.272513	92185	VV	0.0000	
24	33.82		.149162	180323	VV	0.0000	
25	35.31		.119040	30532	BV	0.0000	
26	35.57		.177596	155973	VV	0.0000	
27	36.04		.222489	20856	VV	0.0000	
28	36.33	36.39	.386041	35183	VV	1.3689	Endrin-ketone
29	36.72		.168426	16976	VV	0.0000	
30	36.91		.154815	12109	VV	0.0000	
31	37.28		.192241	26517	VV	0.0000	
32	37.87		.288746	40174	VV	0.0000	
33	38.16		.133552	6196	VV	0.0000	
34	38.49		.110838	27980	PV	0.0000	
35	38.84		.203500	4920	VV	0.0000	
36	39.74		.170558	14486	VB	0.0000	

CS/P

Total Area : 2207183 Total PPB : 9.029

Report Time : 0345 26Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
IEA Pesticide Standard Report
Result File : /DATA/LOOP/RESULT/B5041141.RES

0 0129

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS83

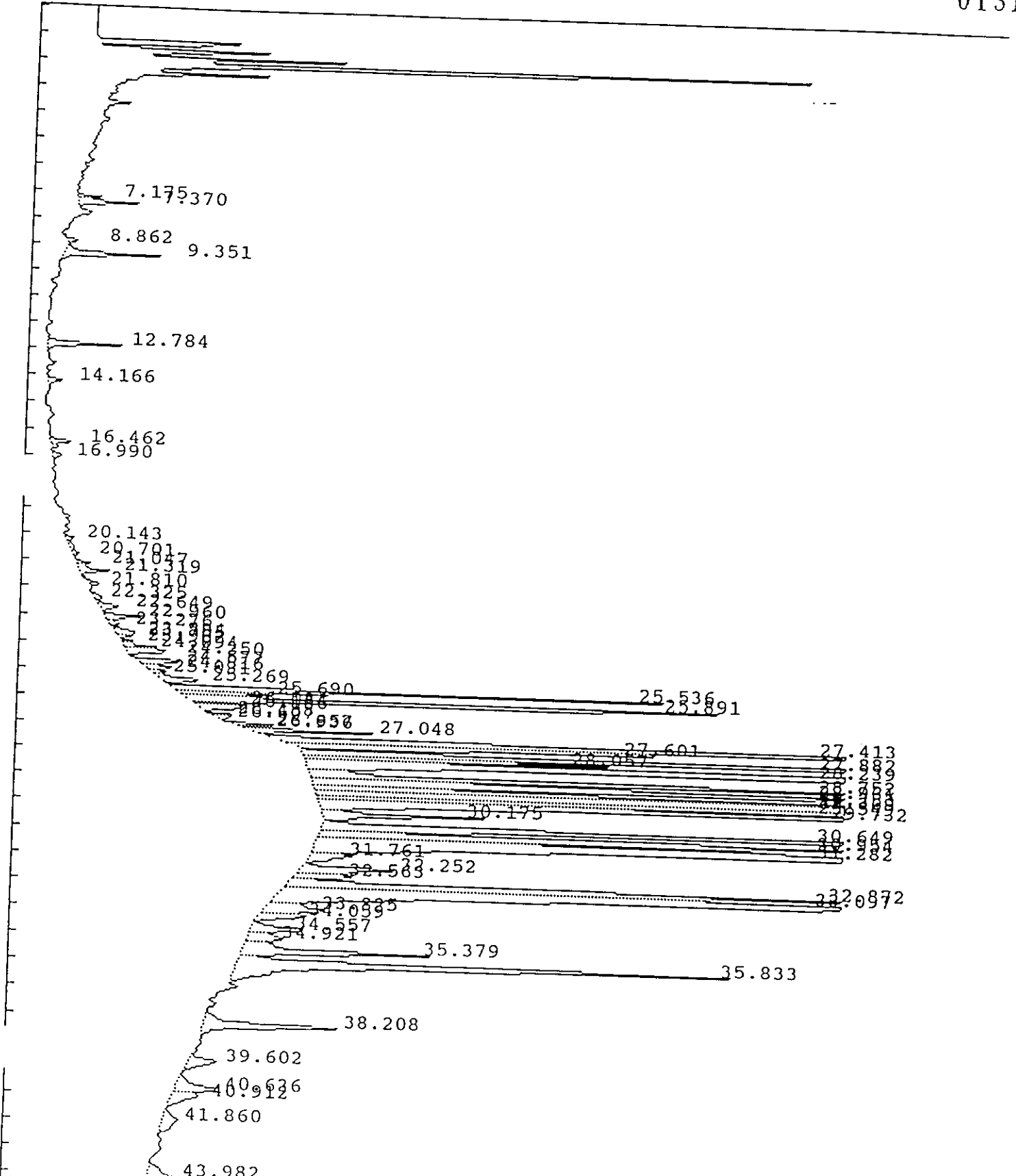
Lab Name: IEA/CT	Contract:	
Lab Code: IEACT	Case No.: 0060A	SAS No.:
Matrix: (soil/water) SOIL		SDG No.: A0060
Sample wt/vol: 30.0 (g/mL) G		Lab Sample ID: 0060025
% Moisture: 8	decanted: (Y/N) N	Lab File ID: A1209341.D 0130
Extraction: (SepF/Cont/Sonc) SONC		Date Received: 01/27/93
Concentrated Extract Volume: 5000(uL)		Date Extracted: 01/28/93
Injection Volume: 1.0(uL)		Date Analyzed: 02/17/93
GPC Cleanup: (Y/N) Y	pH: 6.7	Dilution Factor: 10.0
		Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	360	U
11104-28-2-----	Aroclor-1221	730	U
11141-16-5-----	Aroclor-1232	360	U
53469-21-9-----	Aroclor-1242	360	U
12672-29-6-----	Aroclor-1248	360	U
11097-69-1-----	Aroclor-1254	360	U
11096-82-5-----	Aroclor-1260	3100	C P

IEA Pesticide Standard Report

Sample Name : 0060025 CS-83 DF=10 Inj on 0954 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209341.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul

0131

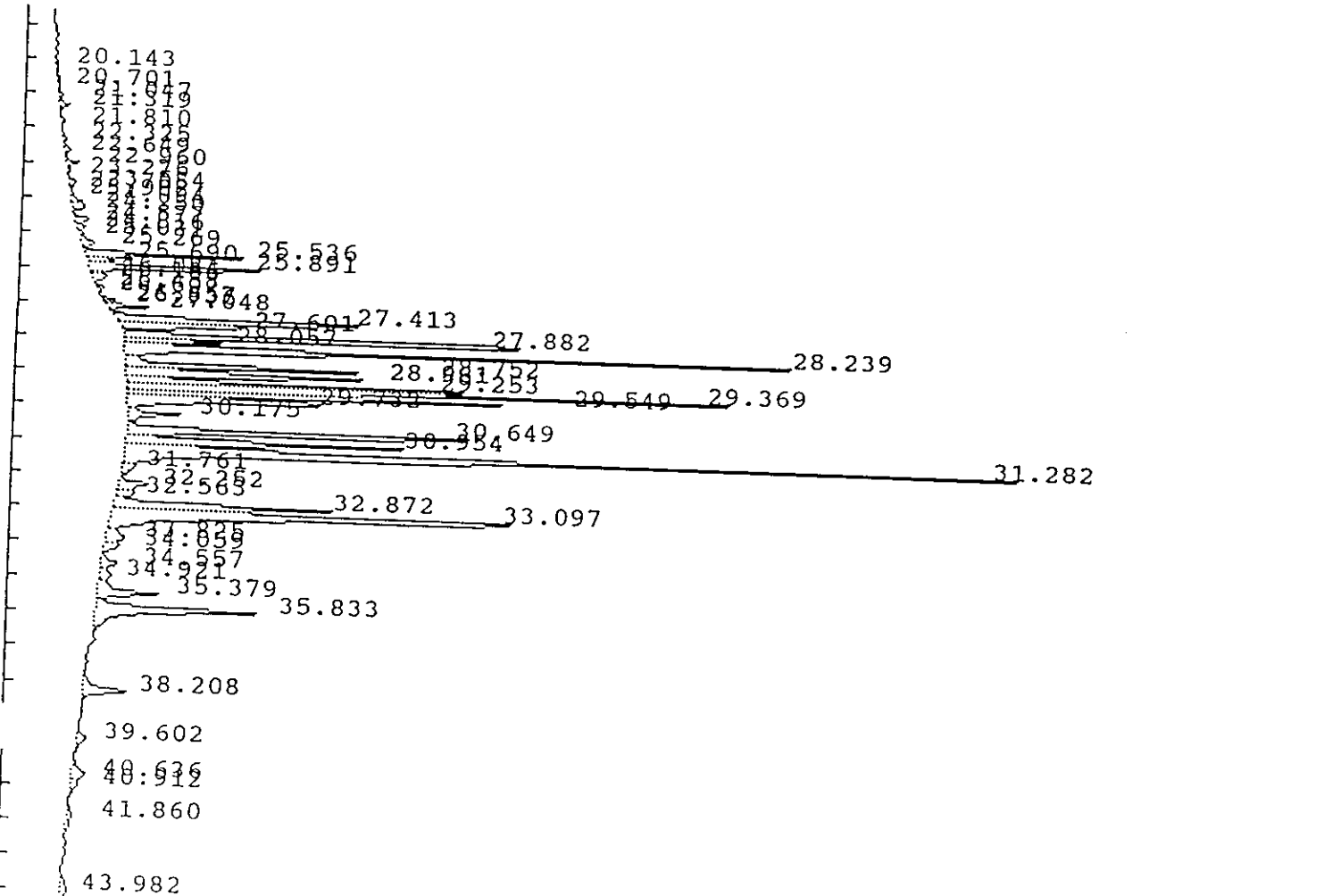
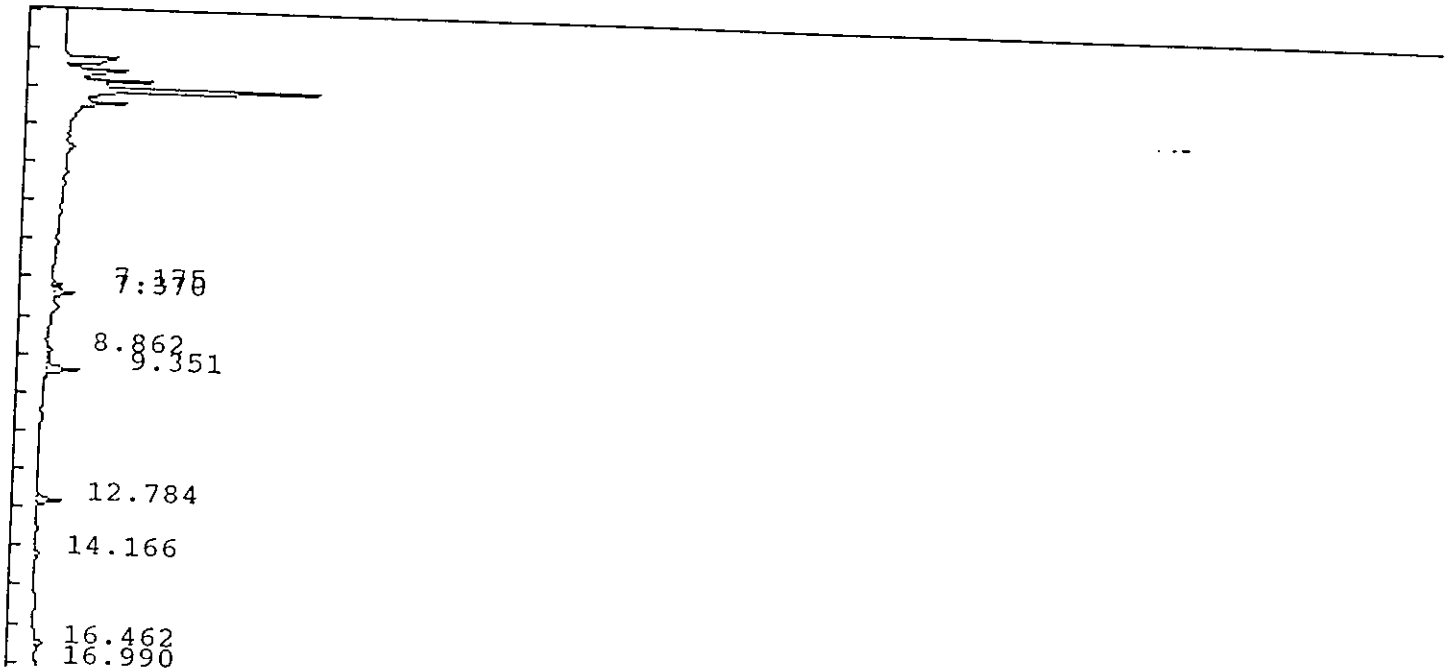


IEA Pesticide Standard Report

Sample Name : 0060025 CS-83 DF=10 Inj on 0954 17Feb1993
 Result File : /DATA/LOOP/RESULT/A1209341.RES
 Column Type : RTX-35 30-Meter, 0.53mm ID

INSTRUMENT: HP58901A
 Inj. Vol. : 1 ul

0132



IEA Pesticide Standard Report

Sample Name : 0060025 CS-83 DF=10
 Result File : /DATA/LOOP/RESULT/A1209341.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0954 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 44
 Bottle no. : 44

Report No : 449.10

Inj. Vol. : 1 ul

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.17		.094253	31263	BV	0.0000	
2	7.37		.118298	96429	VB	0.0000	
3	8.86		.082557	12515	BB	0.0000	
4	9.35		.128445	162270	BB	0.0000	
5	12.78	12.77	.125641	123177	BV	1.2975	Tetrachloro-m-xylene
6	14.17		.148828	27451	BB	0.0000	
7	16.46		.123275	36675	BV	0.0000	
8	16.99		.181706	20139	PV	0.0000	
9	20.14		.140851	16323	BV	0.0000	
10	20.70		.364552	27621	VB	0.0000	
11	21.05		.115660	21019	BV	0.0000	
12	21.32		.141675	58369	VB	0.0000	
13	21.81	21.78	.141879	20603	BV	.2447	delta-BHC
14	22.32		.179780	22368	BV	0.0000	
15	22.65		.191262	48798	VB	0.0000	
16	22.96	22.99	.136549	72202	BV	.7315	Aldrin
17	23.28		.103923	16362	VB	0.0000	
18	23.58		.173993	48726	BV	0.0000	
19	23.70		.095645	18743	VB	0.0000	
20	23.90		.093193	16861	BV	0.0000	
21	24.09		.102205	46160	VV	0.0000	
22	24.25		.159957	86400	VB	0.0000	
23	24.58		.144226	90735	BV	0.0000	
24	24.82		.144669	53420	VV	0.0000	
25	25.03	25.07	.104942	23512	VV	.2577	Heptachlor-epoxide
26	25.27		.195280	88135	VB	0.0000	
27	25.54		.089827	623260	BV	0.0000	
28	25.69	25.72	.094380	134805	VV	1.3854	gamma-Chlordane
29	25.89		.095706	866440	VV	0.0000	
30	26.08		.091583	63813	VV	0.0000	
31	26.19	26.22	.153739	87559	VB	.8348	alpha-Chlordane
32	26.49		.073046	32774	BV	0.0000	
33	26.61		.116363	22040	VV	0.0000	
34	26.86		.093745	53954	PV	0.0000	
35	26.94	26.93	.063547	27392	VV	.3440	4,4'-DDE
36	27.05		.086636	160548	VV	0.0000	
37	27.41		.136170	1591365	PV	0.0000	
38	27.60		.102882	480314	VB	0.0000	
39	27.88		.090054	2170517	BV	0.0000	

(Signature)

IEA Pesticide Standard Report

#	RT	ID-tm	Peak Width	Area	Code	PPB
40	28.06		.084025	373445	VV	0.0000
41	<u>28.24</u>		.092858	2823074	VV	0.0000
42	28.75		.093127	1099045	VV	0.0000
43	28.96		.137175	1365203	VV	0.0000
44	29.25		.098276	1500971	VV	0.0000
45	<u>29.37</u>	29.32	.094798	2485108	VV	38.4930
46	29.55	29.50	.097141	1677600	VV	28.3798
47	29.73		.118761	1235303	VV	0.0000
48	30.17	<i>Ak1260</i>	.124743	301026	VB	0.0000
49	30.65		.111057	1874245	BV	0.0000
50	30.95		.126876	1398725	VV	0.0000
51	<u>31.28</u>		.133741	5003581	VV	0.0000
52	31.76		.202657	112680	VB	0.0000
53	32.25		.192322	243645	BV	0.0000
54	32.56		.149205	111062	VV	0.0000
55	32.87		.139295	1205970	VV	0.0000
56	33.10		.172326	3184991	VV	0.0000
57	33.82		.247770	190557	VV	0.0000
58	34.06		.201670	114831	VB	0.0000
59	34.56		.189627	132971	BV	0.0000
60	34.92		.242801	106083	VV	0.0000
61	35.38		.187381	447381	VV	0.0000
62	35.83		.210828	1330968	VB	0.0000
63	38.21		.207474	354493	BV	0.0000
64	39.60		.311126	105988	VV	0.0000
65	40.64	#40.67	.291390	160087	PV	1.3409
66	40.91		.307189	94068	VV	0.0000
67	41.86		.513748	92157	PV	0.0000
68	43.98		.449993	129079	PV	0.0000

Name 0134

~~4,4'-DDT~~
~~Endrin aldehyde~~

(Handwritten circle around '097/P')

Decachlorobiphenyl

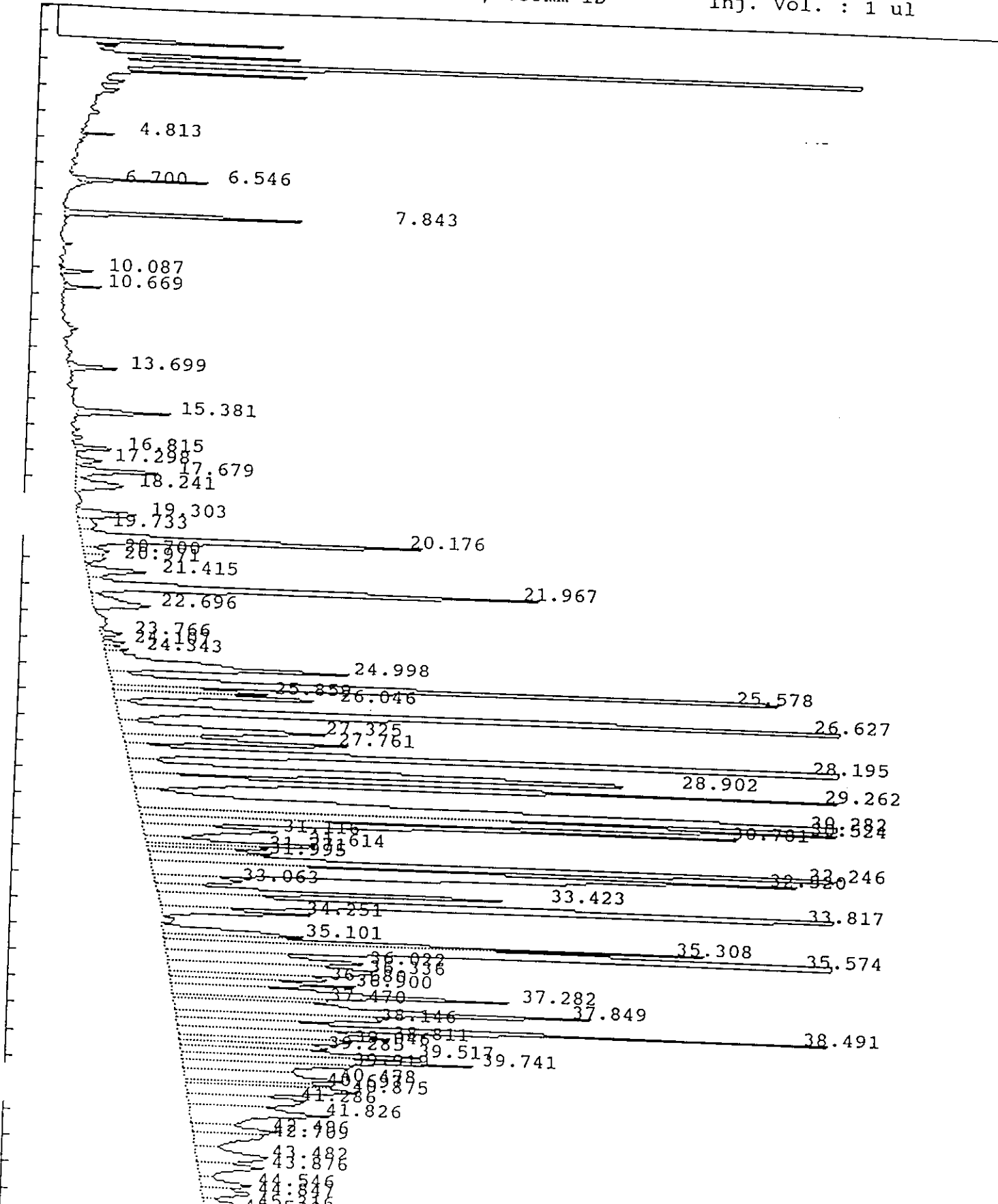
Total Area : 36855408 Total PPB : 73.309

Report Time : 1658 17Feb1993
Method : /DATA/LOOP/METHOD/A1209_341.MT
Result File : /DATA/LOOP/RESULT/A1209341.RES

IEA Pesticide Standard Report

Sample Name : 0060025 CS-83 DF=10
Result File : /DATA/LOOP/RESULT/B5041142.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

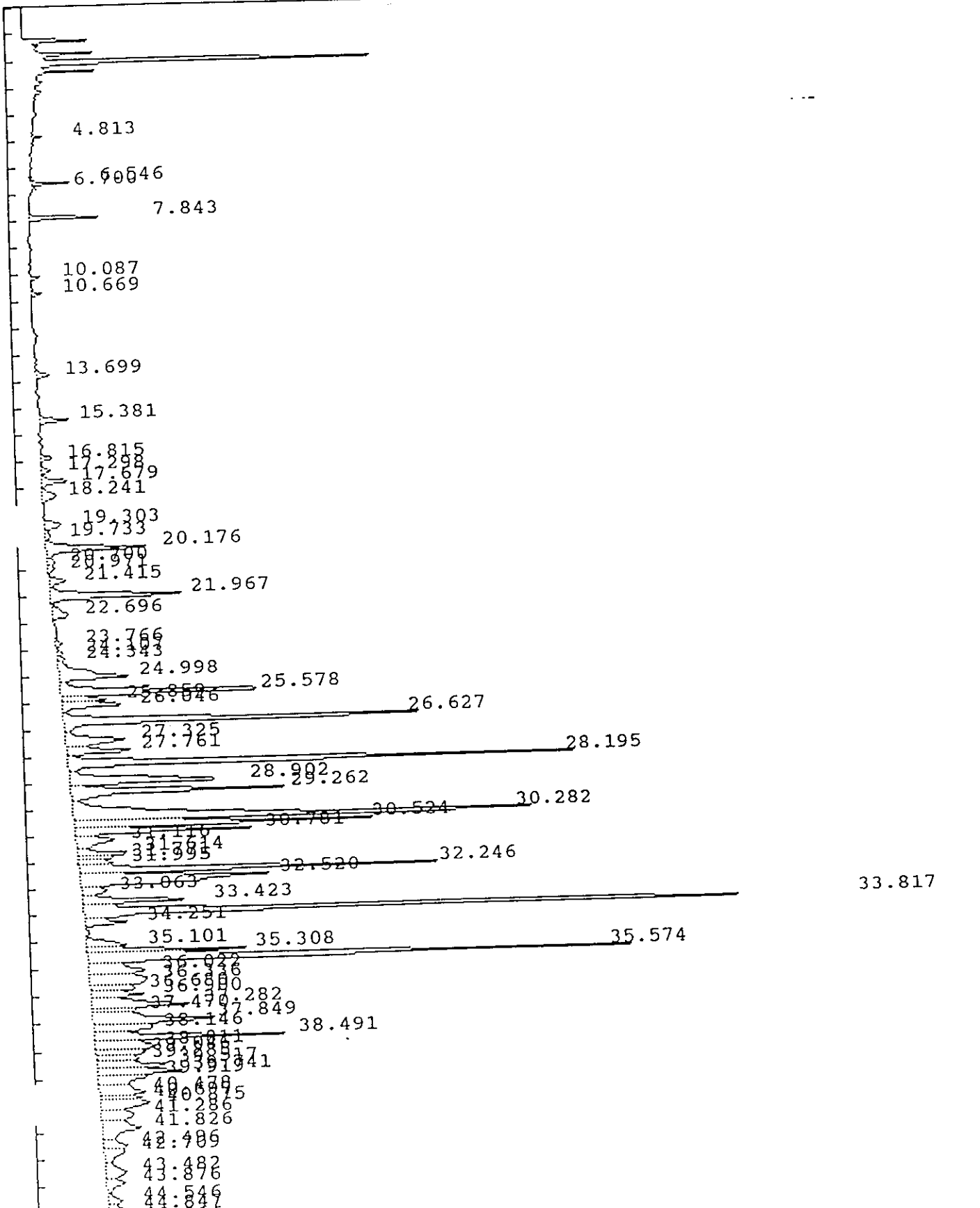
Inj on 0350 26Feb1995 ⁰¹³⁵
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060025 CS-83 DF=10
Result File : /DATA/LOOP/RESULT/B5041142.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0350 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Report No : 98.10

Sample Name : 0060025 CS-83 DF=10
 Result File : /DATA/LOOP/RESULT/B5041142.RES
 Column Type : DB-1701 30 Meter,0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0350 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 43 Bottle no. : 43

Inj. Vol. : 1 ul

% Dil-Fact
3333.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.81		.053479	9877	BV	0.0000	
2	6.55		.071094	48474	BV	0.0000	
3	6.70		.072952	4230	VB	0.0000	
4	7.84	7.87	.093839	119586	BB	2.7220	Tetrachloro-m-xylene
5	10.09		.085843	15875	BB	0.0000	
6	10.67		.086722	16179	VB	0.0000	
7	13.70		.144273	32046	BB	0.0000	
8	15.38		.144496	56858	BB	0.0000	
9	16.82		.145600	24431	PB	0.0000	
10	17.30		.181084	20071	BV	0.0000	
11	17.68		.176318	64703	VV	0.0000	
12	18.24		.281228	55579	VV	0.0000	
13	19.30	19.32	.255577	61355	PV	2.7341	delta-BHC
14	19.73		.292085	21895	VV	0.0000	
15	20.18		.212386	304228	VV	0.0000	
16	20.70	20.69	.230954	24670	VV	.8422	Heptachlor epoxide
17	20.97		.214617	18380	VV	0.0000	
18	21.41		.231364	56939	VV	0.0000	
19	21.97		.195769	367362	VV	0.0000	
20	22.70		.300800	71800	VV	0.0000	
21	23.77		.183646	16521	VB	0.0000	
22	24.11	24.12	.159791	15582	BV	.4035	alpha-Chlordane
23	24.34		.156145	15621	VV	0.0000	
24	25.00		.282152	282738	VV	0.0000	
25	25.58		.183722	561919	VV	0.0000	
26	25.86		.149487	97592	VV	0.0000	
27	26.05		.170889	154771	VV	0.0000	
28	26.63		.159670	860138	VV	0.0000	
29	27.32	27.29	.274009	228470	VV	8.6976	Endrin
30	27.76		.178858	180811	VV	0.0000	
31	28.20		.149815	1104833	VV	0.0000	
32	28.90		.223001	517133	VV	0.0000	
33	29.26		.174761	538312	VV	0.0000	
34	30.28		.204546	1462352	VV	0.0000	
35	30.52		.140737	605671	VV	0.0000	
36	30.78		.144056	371618	VV	0.0000	
37	31.12		.306333	167211	VV	0.0000	
38	31.61		.153384	122016	VV	0.0000	
39	31.77		.131980	66433	VV	0.0000	

09/3/P

IEA Pesticide Standard Report

pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	31.99		.167776	83587	VV	0.0000	
41	<u>32.25</u>		.137724	726246	VV	0.0000	
42	32.52		.277146	751650	VV	0.0000	
43	33.06	<i>AK NCO</i>	245790	88901	VV	0.0000	
44	33.42		.155084	251051	VV	0.0000	
45	<u>33.82</u>		.136979	1519138	VV	0.0000	
46	34.25		.162115	102071	VB	0.0000	
47	35.10		.224320	129082	BV	0.0000	
48	35.31		.131307	305290	VV	0.0000	
49	35.57		.155591	1249725	VV	0.0000	
50	36.02		.274159	219478	VV	0.0000	
51	36.34	36.39	.394196	323065	VV	12.5699	Endrin ketone
52	36.68		.174699	113700	VV	0.0000	
53	36.90		.167939	128689	VV	0.0000	
54	37.28		.224621	330254	VV	0.0000	
55	37.47		.129827	82731	VV	0.0000	
56	37.85		.274860	491595	VV	0.0000	
57	38.15		.207944	174894	VV	0.0000	
58	38.49		.152427	429070	VV	0.0000	
59	38.81		.293498	249763	VV	0.0000	
60	39.05		.182689	128040	VV	0.0000	
61	39.29		.193369	113366	VV	0.0000	
62	39.52		.181425	188148	VV	0.0000	
63	39.74		.178017	220290	VV	0.0000	
64	39.92		.269238	188469	VV	0.0000	
65	40.48	#40.48	.290510	189768	VV	4.8782	Decachlorobiphenyl
66	40.70		.155979	93155	VV	0.0000	
67	40.88		.286908	199359	VV	0.0000	
68	41.29		.365360	170302	VV	0.0000	
69	41.83		.417436	236895	VV	0.0000	
70	42.50		.277026	95303	VV	0.0000	
71	42.71		.337423	95993	VV	0.0000	
72	43.48		.393445	113708	VV	0.0000	
73	43.88		.295521	78773	VV	0.0000	
74	44.55		.260877	54052	VV	0.0000	
75	44.85		.252640	50544	VV	0.0000	
76	45.32		.258787	52342	VV	0.0000	
77	45.51		.182727	28617	VB	0.0000	

0.3/P

Total Area : 18811392 Total PPB : 32.848

Report Time : 2320 26Feb1993
 Method : /DATA/LOOP/METHOD/B5041_142.MT
 Result File : /DATA/LOOP/RESULT/B5041142.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS76

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

0139

Matrix: (soil/water) SOIL

Lab Sample ID: 0060026

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209344.D

% Moisture: 12 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 6.9

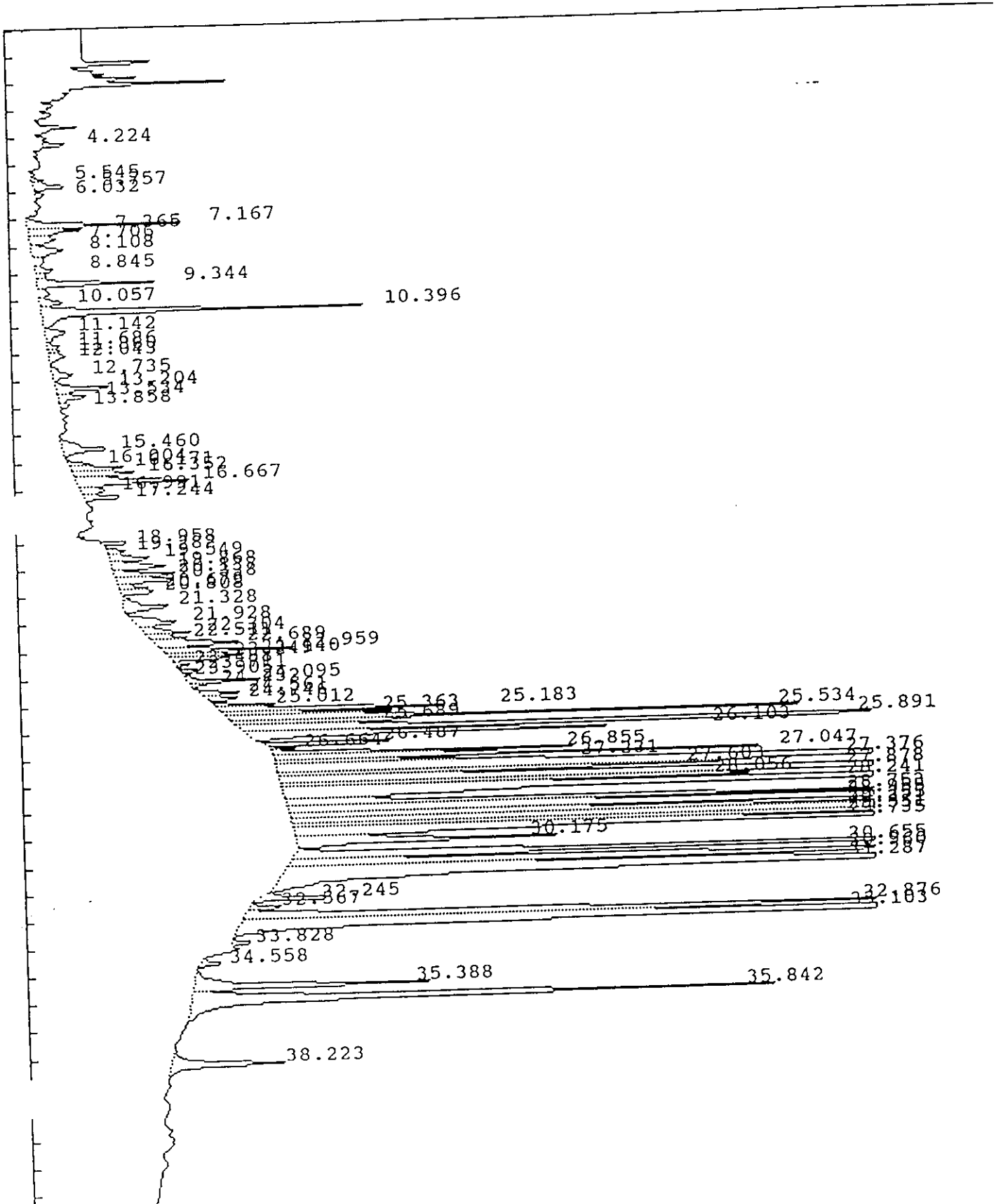
Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	3800	U
11104-28-2-----	Aroclor-1221	7600	U
11141-16-5-----	Aroclor-1232	3800	U
53469-21-9-----	Aroclor-1242	3800	U
12672-29-6-----	Aroclor-1248	2900	JP
11097-69-1-----	Aroclor-1254	3800	U
11096-82-5-----	Aroclor-1260	36000	CP

IEA Pesticide Standard Report

Sample Name : 0060026 CS-76 DF=100 Inj on 1236 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209344.RES INSTRUMENT: HP58901A 0140
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



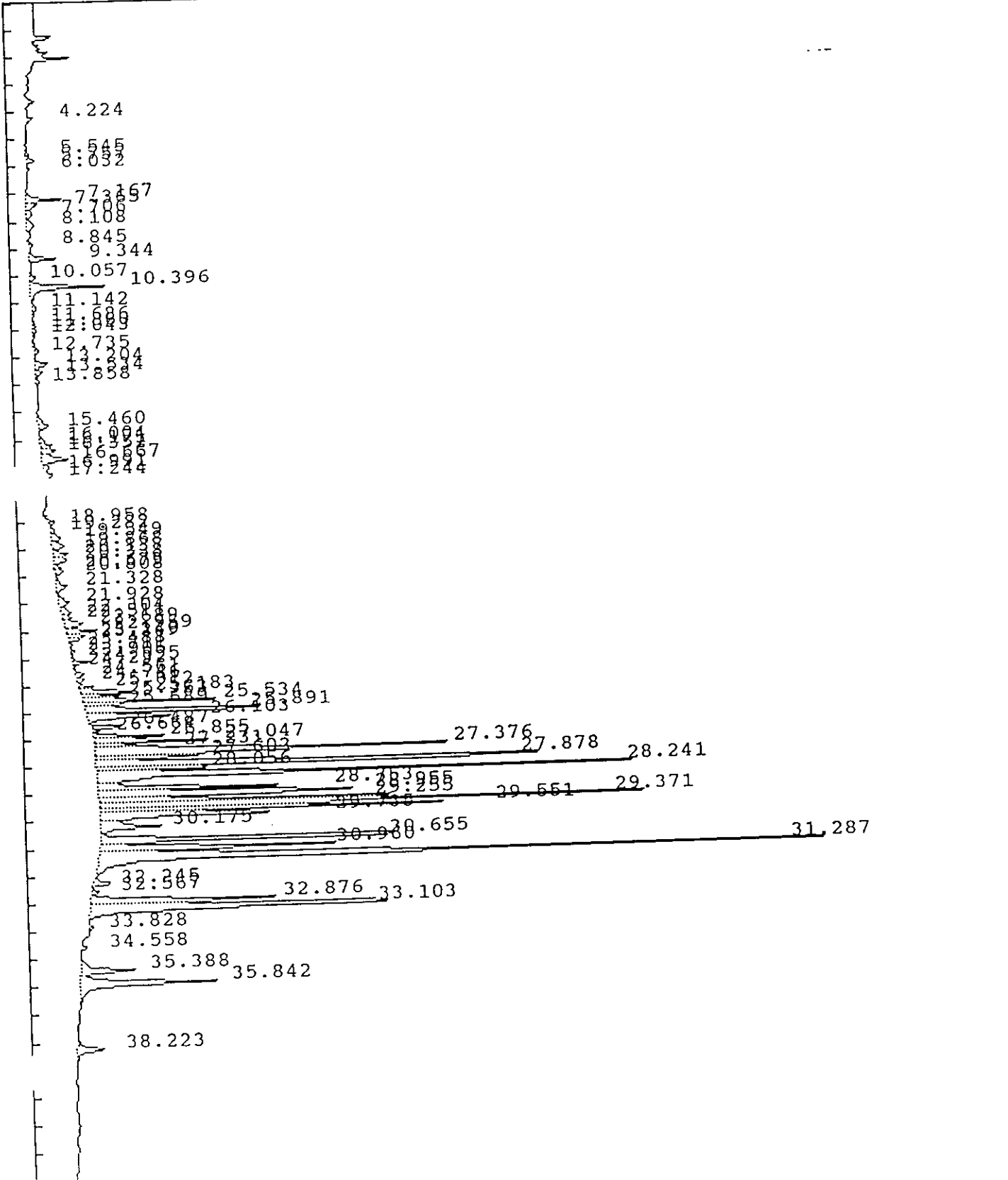
IEA Pesticide Standard Report

0141

Sample Name : 0060026 CS-76 DF=100
Result File : /DATA/LOOP/RESULT/A1209344.RES
Column Type : RTX-35 30-Meter, 0.53mm ID

Inj on 1236 17Feb1993

INSTRUMENT: HP58901A
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060026 CS-76 DF=100
 Result File : /DATA/LOOP/RESULT/A1209344.RES
 Column Type : RTX-35 30 Meter,0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1236 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 47 Bottle no. : 47

Report No :452.10

Inj. Vol. : 1 ul

% Dil-Fact
3333.00

Run Status : RunStatusOK
NoReference

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.22		.077465	33925	BV	0.0000	
2	5.54		.128524	21408	VV	0.0000	
3	5.76		.154207	65306	VV	0.0000	
4	6.03		.147138	16503	VB	0.0000	
5	7.17		.111281	231408	PV	0.0000	
6	7.36		.179195	116853	VV	0.0000	
7	7.71		.236819	73347	VV	0.0000	
8	8.11		.283189	110867	VV	0.0000	
9	8.85		.182686	45010	VV	0.0000	
10	9.34		.135314	204846	VV	0.0000	
11	10.06		.210005	55757	VV	0.0000	
12	10.40		.139404	598238	VV	0.0000	
13	11.14		.289702	70255	VV	0.0000	
14	11.69		.140704	22571	VV	0.0000	
15	11.86		.137638	19145	VV	0.0000	
16	12.04		.183687	39816	VV	0.0000	
17	12.74	12.77	.254406	61055	PV	.6431	Tetrachloro-m-xylene
18	13.20		.153262	115513	VV	0.0000	
19	13.53		.166310	64690	VV	0.0000	
20	13.86		.152153	20420	VB	0.0000	
21	15.46		.240507	135892	BV	0.0000	
22	16.00		.113230	32630	PV	0.0000	
23	16.17		.134221	90593	VV	0.0000	
24	16.35		.175198	131143	VV	0.0000	
25	16.67		.187509	266231	VV	0.0000	
26	16.99		.177248	55477	VV	0.0000	
27	17.24		.134855	74134	VV	0.0000	
28	18.96		.126306	55715	BB	0.0000	
29	19.28	19.31	.145981	34326	BV	.3317	gamma-BHC (Lindane)
30	19.55		.165915	90964	VV	0.0000	
31	19.87	19.88	.190172	128995	VV	2.3378	beta-BHC
32	20.14		.142147	112217	VV	0.0000	
33	20.34		.189865	132616	VV	0.0000	
34	20.68		.141365	57263	VV	0.0000	
35	20.81		.115171	53363	VB	0.0000	
36	21.33		.209736	126937	VB	0.0000	
37	21.93		.234292	135258	BV	0.0000	
38	22.30		.174651	102208	VV	0.0000	
39	22.51		.126990	63000	VV	0.0000	

987/3

IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	22.69		.184715	186465	VV	0.0000	
41	<u>22.96</u>	22.99	.112958	195080	VV	1.9765	Aldrin
42	<u>23.14</u>		.102813	102890	VV	0.0000	
43	23.25		.110068	90751	VB	0.0000	
44	23.49		.091692	18508	BB	0.0000	
45	23.71		.087573	27186	BV	0.0000	
46	23.90		.099853	11419	VV	0.0000	
47	<u>24.10</u>		.084424	91508	VV	0.0000	
48	24.23	<i>AK1248</i>	.089862	24623	VB	0.0000	
49	24.56		.117101	66918	BV	0.0000	
50	24.75		.142840	55720	VB	0.0000	
51	25.01	25.07	.093270	74940	BV	.8215	Heptachlor epoxide
52	<u>25.18</u>		.104819	362547	VV	0.0000	
53	25.36		.097324	250169	VV	0.0000	
54	25.53		.093415	736790	VV	0.0000	
55	25.69	25.72	.086305	206174	VV	2.1189	gamma-Chlordane
56	25.89		.102477	1263226	VV	0.0000	
57	26.10		.115811	671645	VB	0.0000	
58	26.49		.078372	190370	BB	0.0000	
59	26.66		.055762	23423	BB	0.0000	
60	26.85		.105507	435537	BV	0.0000	
61	27.05		.095112	662591	VV	0.0000	
62	27.23		.085412	326345	VV	0.0000	
63	27.38		.150553	2798861	VV	0.0000	
64	27.60		.114168	636808	VV	0.0000	
65	27.88		.131521	3766932	VV	0.0000	
66	28.06		.089793	569761	VV	0.0000	
67	<u>28.24</u>		.106536	3439121	VV	0.0000	
68	28.75		.097622	1172638	VV	0.0000	
69	28.96		.172833	2478712	VV	0.0000	
70	29.25		.106137	1841876	VV	0.0000	
71	<u>29.37</u>	29.32	.098386	3129661	VV	48.4767	4,4'-DDT
72	<u>29.55</u>	29.50	.099093	2076687	VV	35.1311	Endrin aldehyde
73	29.74		.123581	1463997	VV	0.0000	
74	30.17	<i>AK1260</i>	.160539	573574	VB	0.0000	
75	30.65		.110903	2357052	BV	0.0000	
76	30.96		.130918	1670250	VV	0.0000	
77	31.29		.139533	5691201	VB	0.0000	
78	<u>32.24</u>		.112798	120893	BB	0.0000	
79	32.57		.107184	50233	BV	0.0000	
80	32.88		.138290	1391372	VV	0.0000	
81	33.10		.167494	3113661	VV	0.0000	
82	33.83		.113942	31693	PV	0.0000	
83	34.56		.129496	35476	BB	0.0000	
84	35.39		.169824	501569	BV	0.0000	
85	35.84		.197010	1424235	VB	0.0000	
86	38.22		.215874	293043	BV	0.0000	

AK1248

AK1260

AK123/12

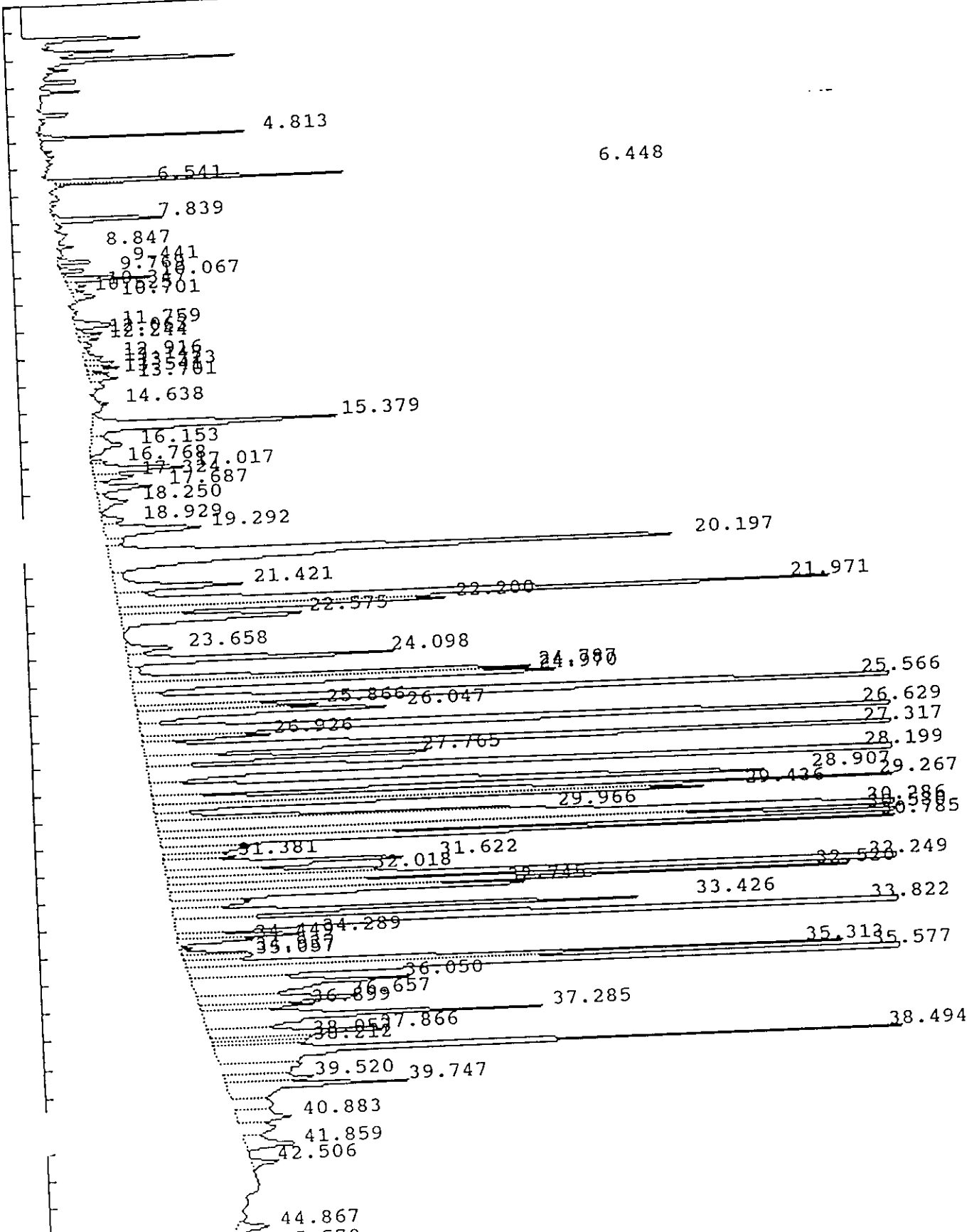
Total Area : 50570040 Total PPB : 91.837

Report Time : 1715 17Feb1993
 Method : /DATA/LOOP/METHOD/A1209_344.MT
 Result File : /DATA/LOOP/RESULT/A1209344.RES

IEA Pesticide Standard Report

Sample Name : 0060026 CS-76 DF=100
Result File : /DATA/LOOP/RESULT/B5041145.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

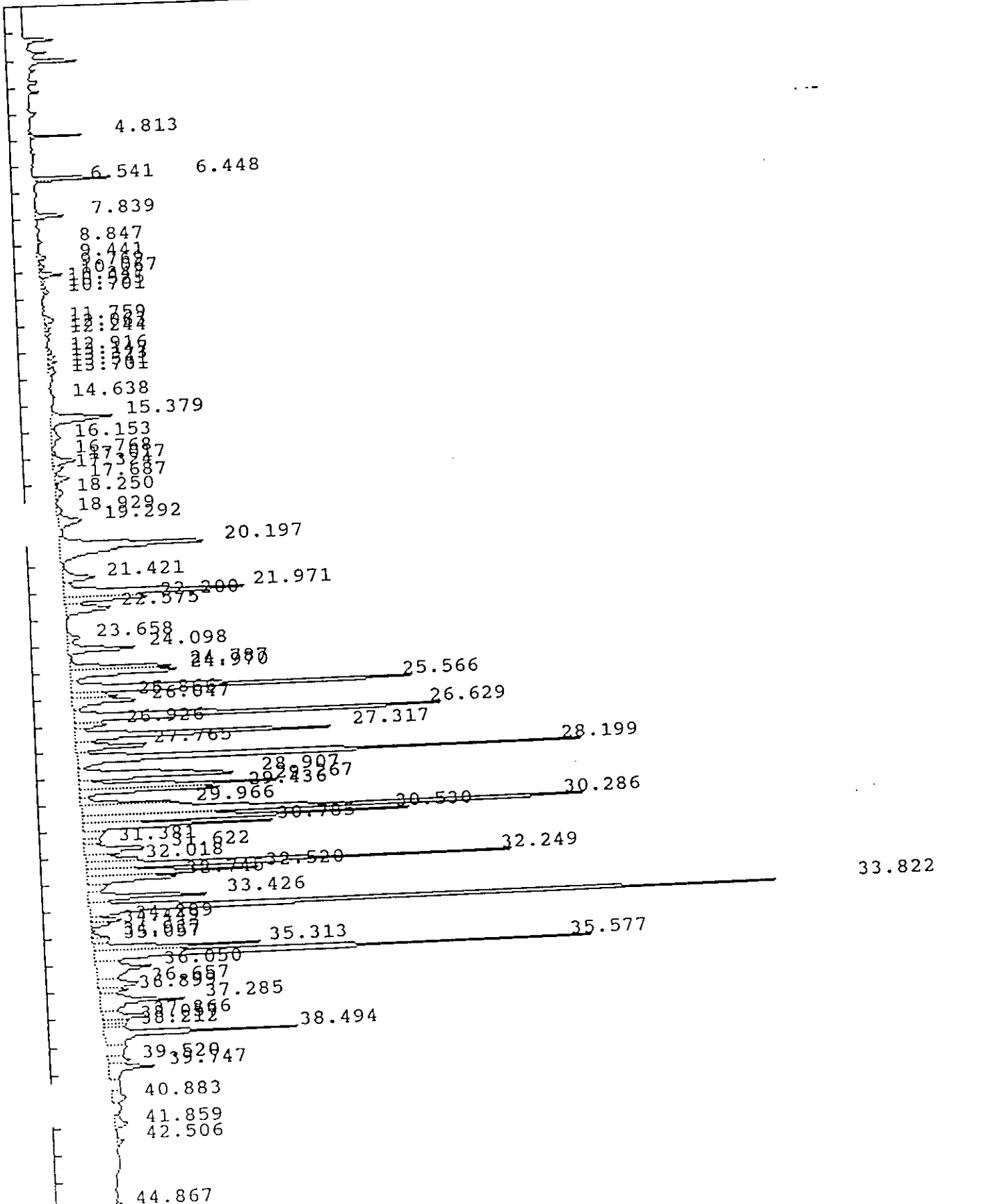
Inj on 0631 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060026 CS-76 DF=100
Result File : /DATA/LOOP/RESULT/B5041145.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0631 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Report No :101.00

Sample Name : 0060026 CS-76 DF=100
 Result File : /DATA/LOOP/RESULT/B5041145.RES
 Column Type : DB-1701 30 Meter,0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0631 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 46 Bottle no. : 46

Inj. Vol. : 1 ul

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 EndOffBaseline
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.81		.054133	62393	VV	0.0000	
2	6.45		.059265	124926	BV	0.0000	
3	6.54		.059723	19504	VV	0.0000	
4	7.84	7.87	.096277	63068	VV	1.4356	Tetrachloro-m-xylene
5	8.85		.080661	6875	BV	0.0000	
6	9.44		.108239	18951	BV	0.0000	
7	9.77		.105482	14002	PV	0.0000	
8	10.07		.131808	47206	PV	0.0000	
9	10.35		.137890	9923	VV	0.0000	
10	10.52		.084550	5039	VV	0.0000	
11	10.70		.152386	15979	VV	0.0000	
12	11.76		.228977	32530	BV	0.0000	
13	12.06		.109804	11725	VV	0.0000	
14	12.24		.142990	12187	VV	0.0000	
15	12.92	12.90	.176100	14018	VV	.4915	gamma-BHC (Lindane)
16	13.15		.135319	17735	VV	0.0000	
17	13.32		.112585	15627	VV	0.0000	
18	13.54		.102633	10831	VV	0.0000	
19	13.70		.153158	18843	VV	0.0000	
20	14.64		.092851	3676	PV	0.0000	
21	15.38		.228315	224351	BV	0.0000	
22	16.15		.348262	45449	VV	0.0000	
23	16.77	16.248	.139175	9409	PV	0.0000	
24	17.02		.189737	72695	VV	0.0000	
25	17.32		.187428	31465	VV	0.0000	
26	17.69		.208064	47934	VV	0.0000	
27	18.25		.293761	34344	VV	0.0000	
28	18.93		.214794	19425	VV	0.0000	
29	19.29	19.32	.289281	109519	VV	4.8804	delta-BHC
30	20.20		.293806	691606	VV	0.0000	
31	21.42		.245922	122655	VV	0.0000	
32	21.97		.197459	565541	VV	0.0000	
33	22.20		.173473	229132	VV	0.0000	
34	22.58		.253836	185010	VB	0.0000	
35	23.66	23.67	.202366	38678	BV	1.0700	gamma-Chlordane
36	24.10	24.12	.176706	193248	VV	5.0041	alpha-Chlordane
37	24.79		.160543	262668	VV	0.0000	
38	24.97		.202236	346128	VV	0.0000	

AVS/P

IEA Pesticide Standard Report

Name 0147

pk#	RT	ID-tm	Peak Width	Area	Code	PPB
39	25.57		.167667	952282	VV	0.0000
40	25.87		.146848	105137	VV	0.0000
41	26.05		.189188	201458	VV	0.0000
42	26.63		.157102	990047	VV	0.0000
43	26.93		.164478	84244	VV	0.0000
44	27.32	27.29	.166486	711119	VV	27.0715
45	27.77		.178048	226204	VV	0.0000
46	28.20		.151672	1246645	VV	0.0000
47	28.91		.221716	592756	VV	0.0000
48	29.27		.142438	457564	VV	0.0000
49	29.44		.145187	348359	VV	0.0000
50	29.97		.150082	242696	VV	0.0000
51	<u>30.29</u>		.176420	1579062	VV	0.0000
52	30.53		.136602	734214	VV	0.0000
53	30.79		.140602	436692	VV	0.0000
54	31.38		.163269	45953	VV	0.0000
55	31.62		.223152	237318	VV	0.0000
56	32.02		.159656	141426	VV	0.0000
57	<u>32.25</u>	<i>pk 1260</i>	.136165	951671	VV	0.0000
58	32.52		.149262	414991	VV	0.0000
59	32.75	32.78	.183143	285996	VV	17.5224
60	33.43		.152663	317745	VV	0.0000
61	<u>33.82</u>		.130807	1626135	VV	0.0000
62	34.29		.149679	77767	VV	0.0000
63	34.45	34.45	.122737	37791	VV	1.6889
64	34.94		.130415	35947	VV	0.0000
65	35.06		.139037	38543	VV	0.0000
66	35.31		.124462	341520	VV	0.0000
67	35.58		.148908	1219465	VV	0.0000
68	36.05		.349624	306804	VV	0.0000
69	36.66		.245919	156952	VV	0.0000
70	36.90		.165572	74364	VV	0.0000
71	37.29		.236356	342706	VV	0.0000
72	37.87		.197865	148967	VV	0.0000
73	38.06		.131214	52544	VV	0.0000
74	38.21		.162797	59179	VV	0.0000
75	38.49		.164504	528439	VV	0.0000
76	39.52		.188340	69381	VV	0.0000
77	39.75		.235106	174685	VV	0.0000
78	40.88		.375754	78447	VV	0.0000
79	41.86		.287730	58138	VB	0.0000
80	42.51		.187491	21272	BV	0.0000
81	44.87		.259917	32087	VV	0.0000
82	45.58		.325138	54697	VV	0.0000

~~Endrin~~

~~Endrin aldehyde~~

~~Endosulfan sulfate~~

0.13/P

Total Area : 20593708 Total PPB : 59.164
 Report Time : 0721 26Feb1993
 Method : /DATA/LOOP/METHOD/B5041.MTH
 Result File : /DATA/LOOP/RESULT/B5041145.RES

0148

QUANT REPORT

Operator ID: MSC
Output File: ^C6054::QT
Data File: >C6054::C5
Name: 0060;;;CS 76
Misc: 0060026 HP5970C;;012893;;1;;;C0966

Quant Rev: 6
Quant Time: 930310 11:55
Injected at: 930309 17:45
Dilution Factor: 1.00000

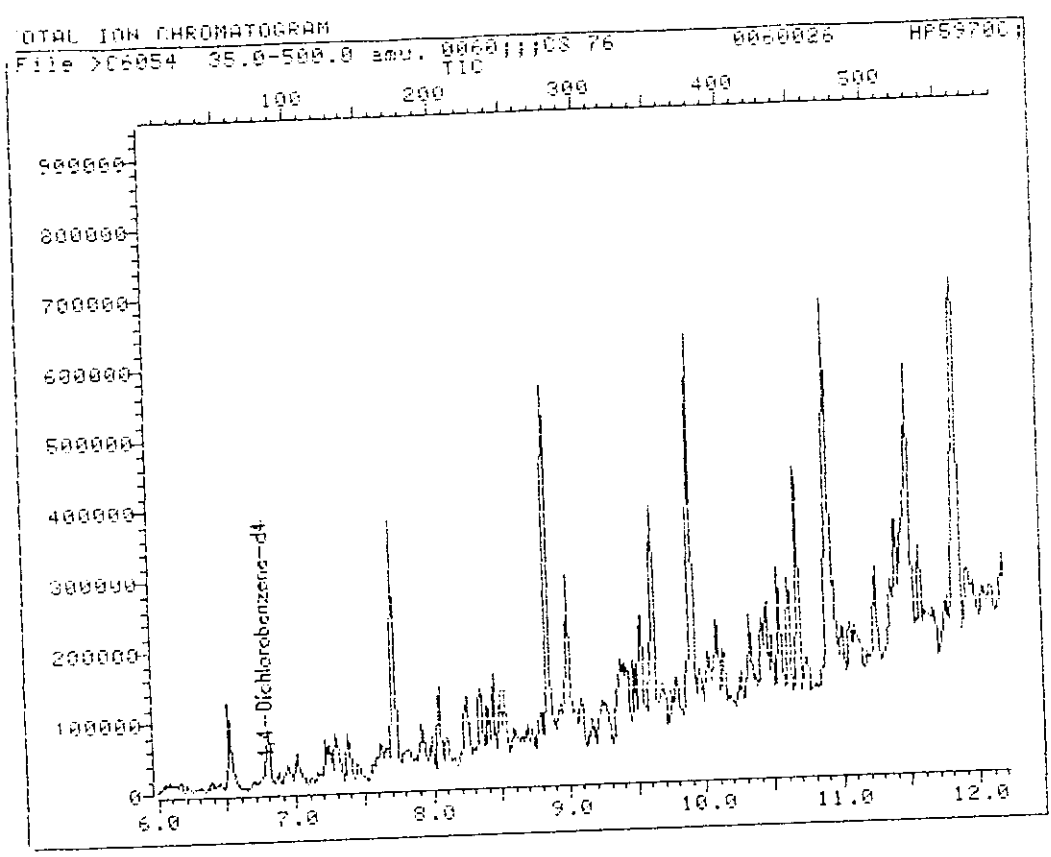
BTL# 4

ID File: I_PCBC::M1
Title: PCB ID file - instrument MSC
Last Calibration: 930310 11:54

Compound	R.T.	Q ion	Area	Conc	Units	g
1) *1,4-Dichlorobenzene-d4	6.78	150.0	6417	40.00	UG	94
3) *Acenaphthene-d10	19.19	163.9	865	40.00	UG	69
4) *Phenanthrene-d10	23.47	187.9	261	40.00	UG	100
23) *Chrysene-d12	19.82	240.0	92938	40.00	UG	98
✓24) Arochlor 1260 (1)	18.04	360.0	7739	96.87	UG	92
✓25) Arochlor 1260 (2)	18.81	360.0	15531	201.13	UG	72
✓26) Arochlor 1260 (3)	19.95	324.0	9612	164.23	UG	57

* Compound is IS10

00 0149



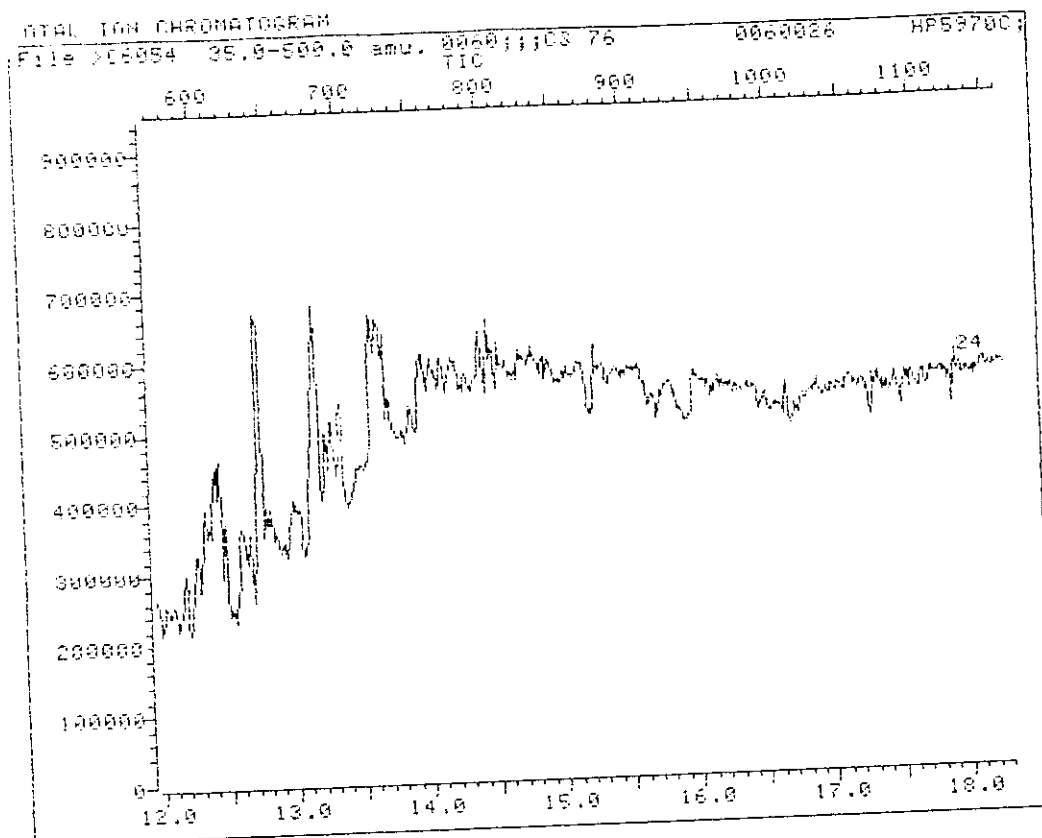
Data File: >C6054::C5 Quant Output File: ^C6054::QT
Name: 0060;;;CS 76
Misc: 0060026 HP5970C;;012893;;1;;;C0966 BTL# 4

Id File: I_PCBC::N1
Title: PCB ID file - instrument MSC
Last Calibration: 930310 11:54

Operator ID: MSC
Quant Time: 930310 11:55
Injected at: 930309 17:45

TIC page 1 of 4

0150



Data File: >C6054::C5

Quant Output File: ^C6054::OT

Name: 0060;;;CS 76

Misc: 0060026

HP5970C;;012893;;1;;;C0966

BTL# 4

Id File: I_PCBID::N1

Title: PCB ID file - instrument MSC

Last Calibration: 930310 11:54

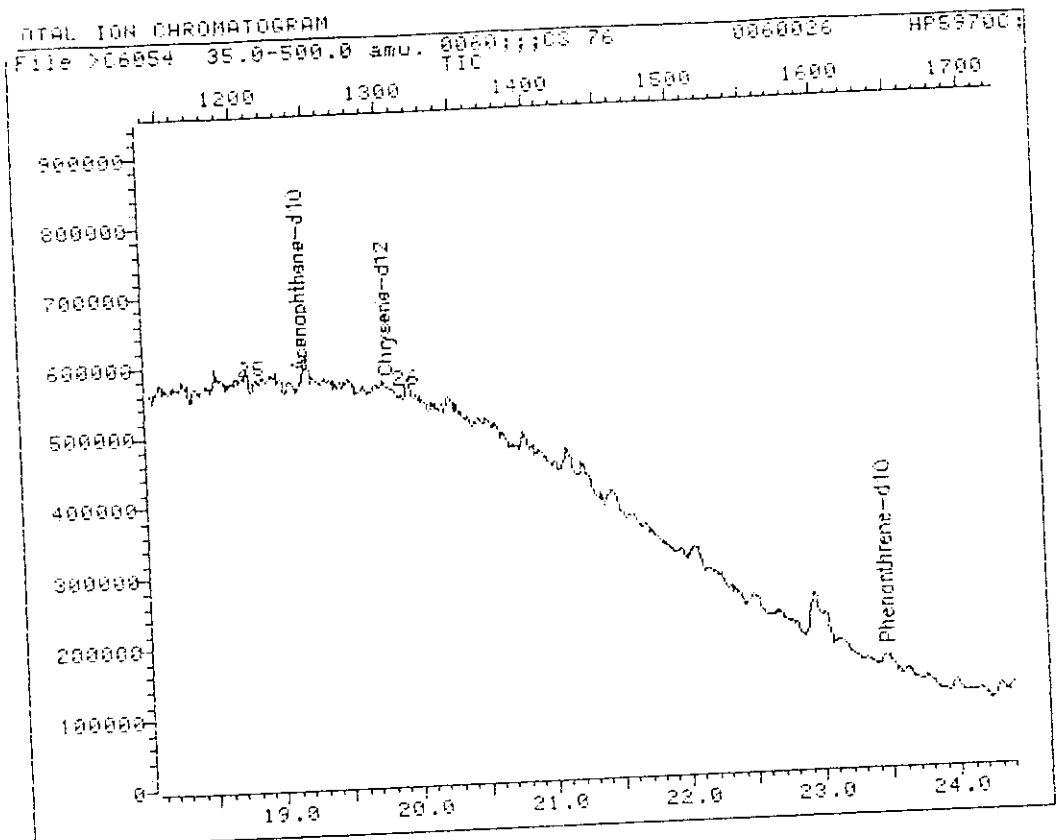
Operator ID: MSC

Quant Time: 930310 11:55

Injected at: 930309 17:45

TIC page 2 of 4

0151



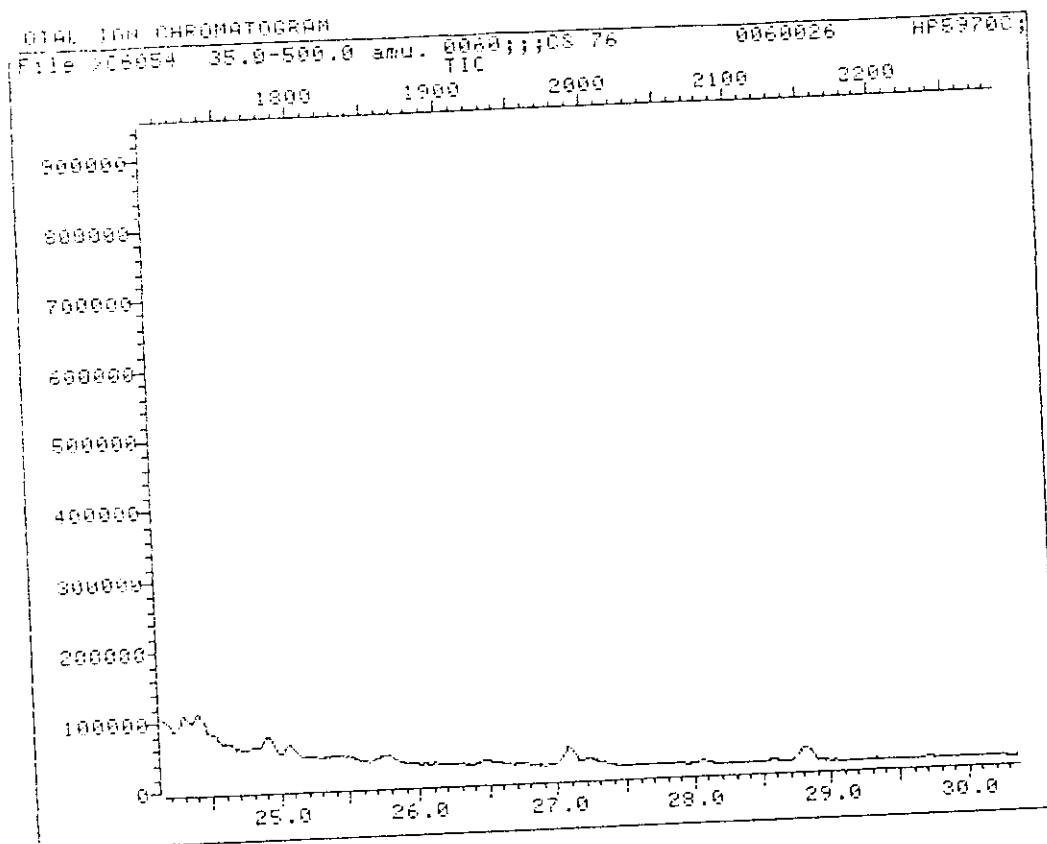
Data File: >C6054::C5 Quant Output File: ^C6054::OT
Name: 006011;CS 76
Misc: 0060026 HP5970C;;012893;;1;;C0966

BTL# 4

Id File: 1_PCBC::N1
Title: PCB ID file - instrument MSC
Last Calibration: 930310 11:54

Operator ID: MSC
Quant Time: 930310 11:55
Injected at: 930309 17:45

0152



Data File: >C6054::C5

Quant Output File: ^C6054::QT

Name: 0060;;;CS 76

Misc: 0060026

HP5970C;;012893;;1;;;C0966

BTL# 4

Id File: I_PCBC::N1

Title: PCB ID file - instrument MSC

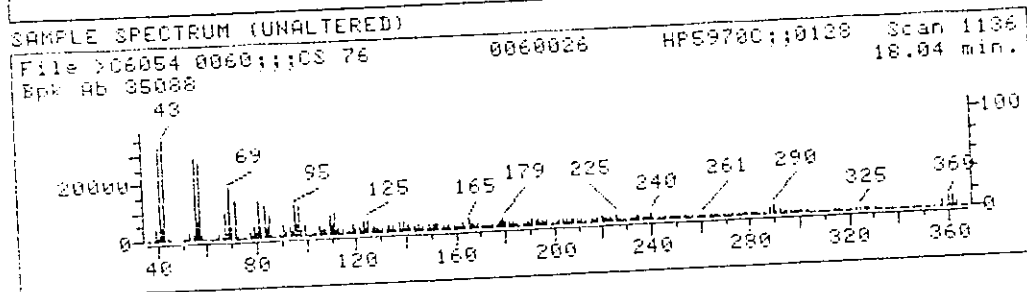
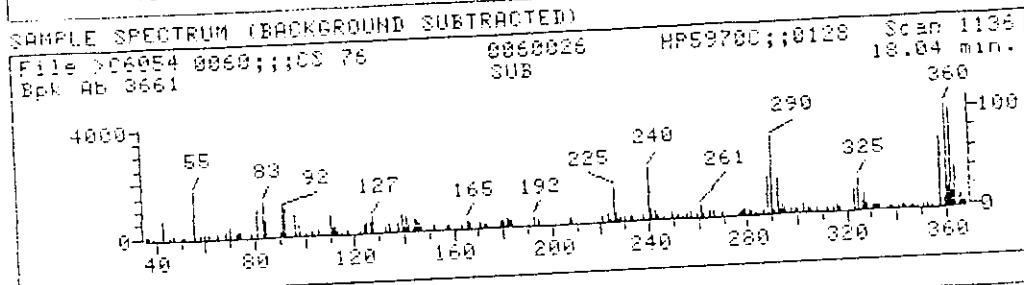
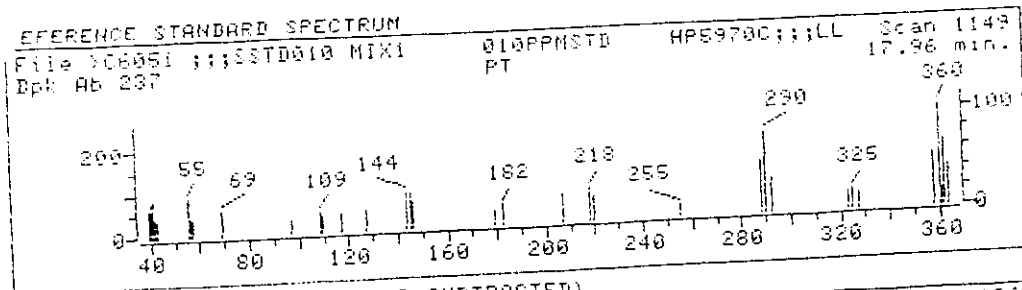
Last Calibration: 930310 11:54

Operator ID: MSC

Quant Time: 930310 11:55

Injected at: 930309 17:45

TIC page 4 of 4



Data File: >C6054::C5

Quant Output File: ^C6054::QT

Name: 0060;;;CS 76

Misc: 0060026 HP5970C;;;012893;;;1;;;C0966

BTL# 4

Quant Time: 930310 11:55

Quant ID File: I_PCBC::N1

Injected at: 930309 17:45

Last Calibration: 930310 11:54

Compound No: 24

Compound Name: Arachlor 1260 (1)

Scan Number: 1136

Retention Time: 18.04 min.

Quant Ion: 360.0

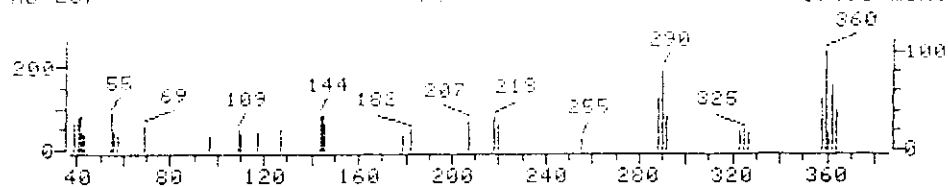
Area: 7739

Concentration: 96.87 UG

q-value: 92

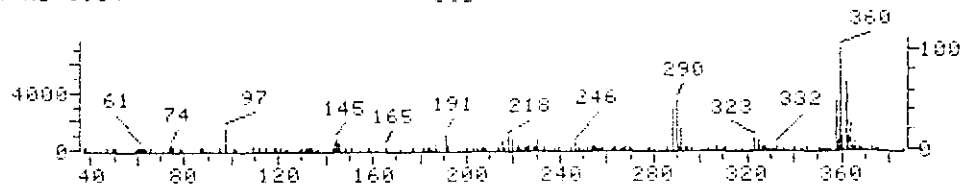
REFERENCE STANDARD SPECTRUM

File >D6051 ;;;STD010 NIKI 016PPHSTD HP5970C;;;LL Scan 1149
 Bpk Ab 237 PT 17.96 min.



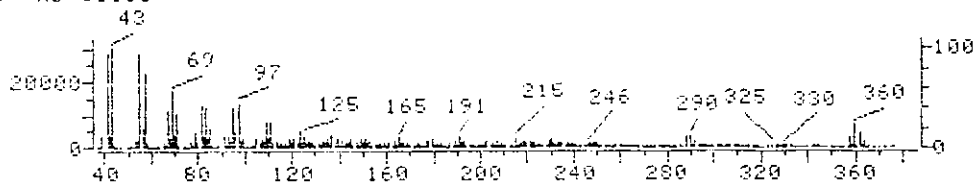
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

File >C6054 0060;;;CS 76 0060026 HP5970C;;;0128 Scan 1208
 Bpk Ab 6954 SUB 18.81 min.



SAMPLE SPECTRUM (UNALTERED)

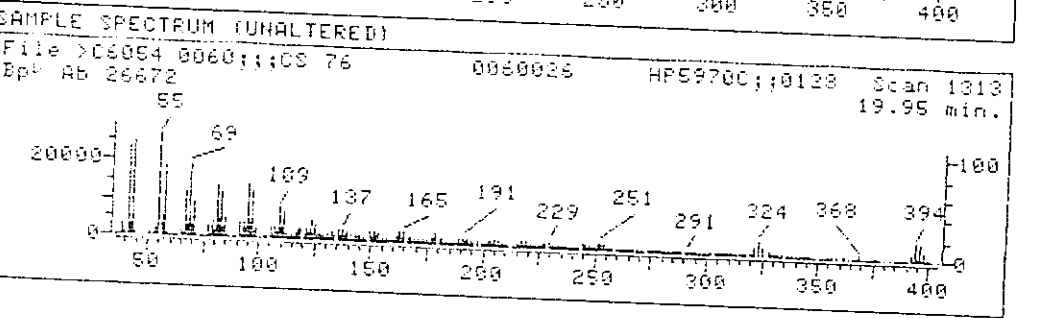
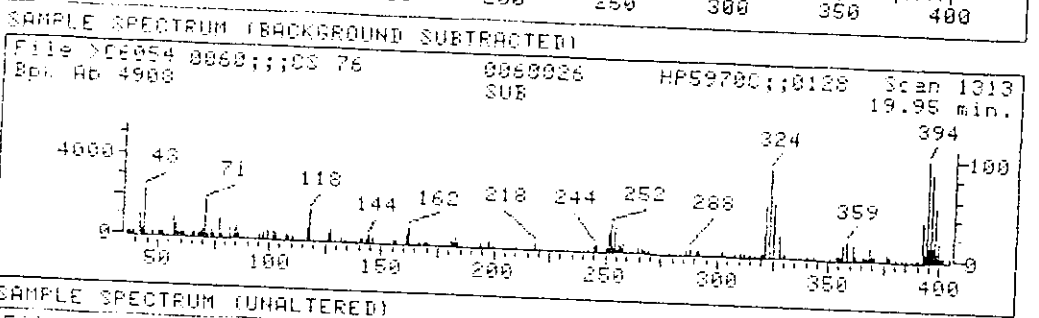
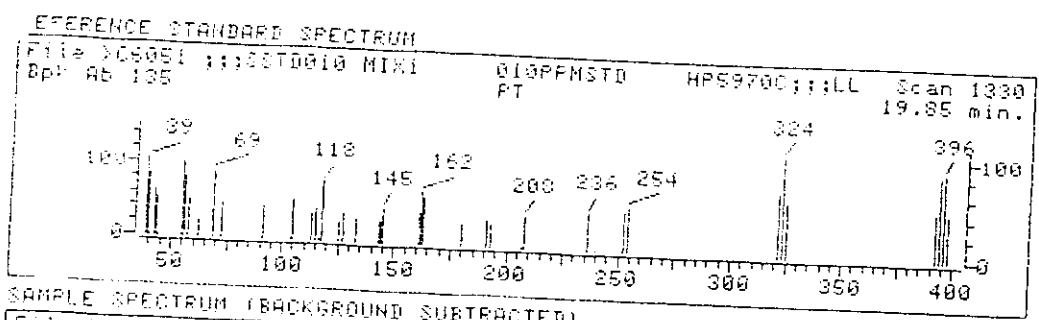
File >C6054 0060;;;CS 76 0060026 HP5970C;;;0128 Scan 1208
 Bpk Ab 38136 18.81 min.



Data File: >C6054::C5 Quant Output File: ^C6054::QT
 Name: 0060;;;CS 76
 Misc: 0060026 HP5970C;;;012893;;;1;;;C0966 BTL# 4
 Quant Time: 930310 11:55 Quant ID File: I_PCBC::N1
 Injected at: 930309 17:45 Last Calibration: 930310 11:54

Compound No: 25
 Compound Name: Arachlor 1260 (2)
 Scan Number: 1208
 Retention Time: 18.81 min.
 Quant Ion: 360.0
 Area: 15531
 Concentration: 201.13 UG
 q-value: 72

0155



Data File: >C6054::05
 Name: 0060;;;05 76
 Misc: 0060026 HP59700;;;012893;;;1;;;C0966
 Quant Time: 930310 11:55
 Injected at: 930309 17:45

Quant Output File: ^C6054::QT
 BTL# 4
 Quant ID File: I_PCBC::N1
 Last Calibration: 930310 11:54

Compound No: 26
 Compound Name: Arochlor 1260 (3)
 Scan Number: 1313
 Retention Time: 19.95 min.
 Quant Ion: 324.0
 Area: 9612
 Concentration: 164.23 UG
 q-value: 57

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS76DL

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 Matrix: (soil/water) SOIL Lab Sample ID: 0060026DL 0156
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: A1209343.D
 % Moisture: 12 decanted: (Y/N) N Date Received: 01/27/93
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/28/93
 Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/17/93
 Injection Volume: 1.0(uL) Dilution Factor: 1000.0
 GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

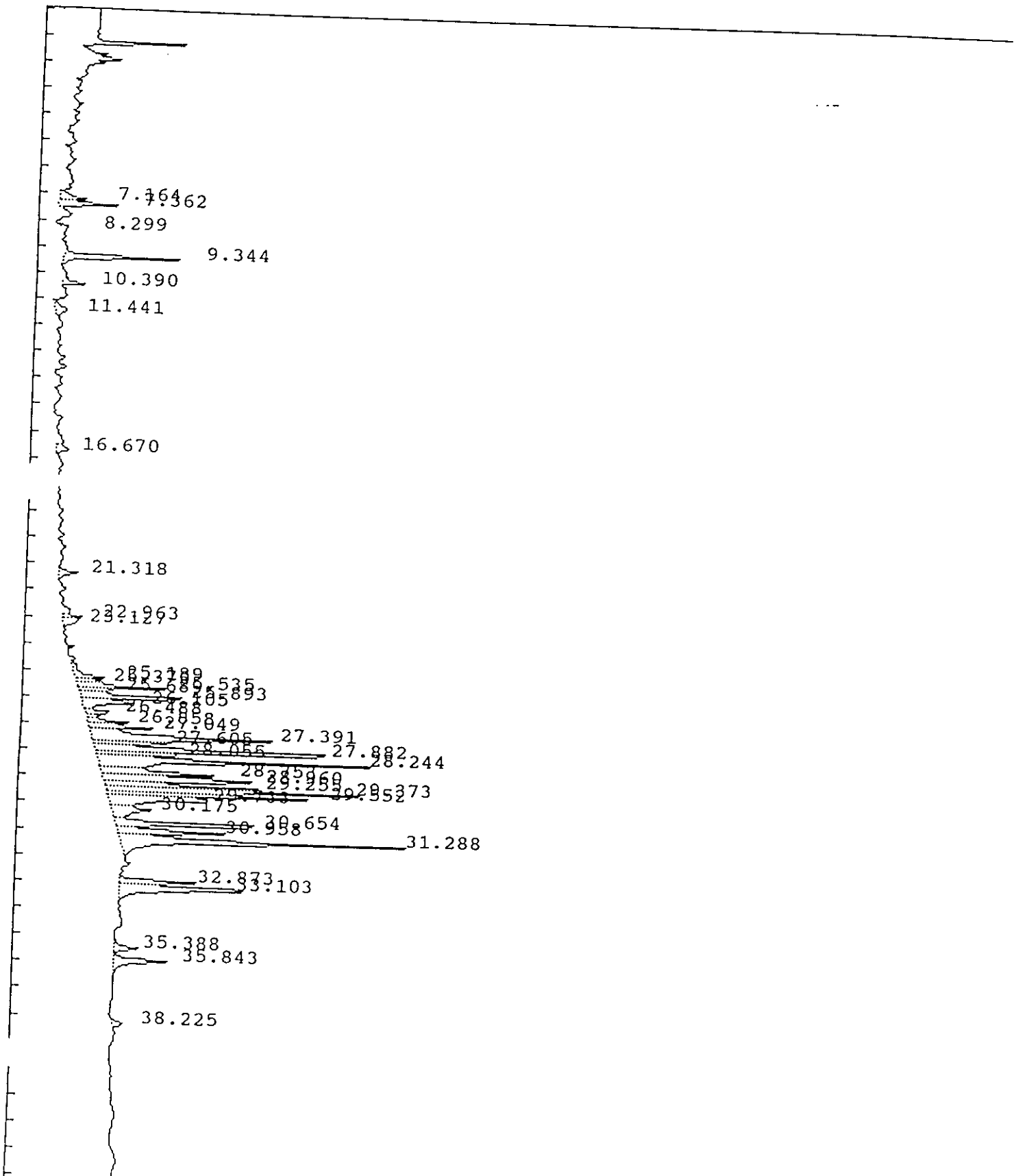
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	38000	U
11104-28-2-----	Aroclor-1221	76000	U
11141-16-5-----	Aroclor-1232	38000	U
53469-21-9-----	Aroclor-1242	38000	U
12672-29-6-----	Aroclor-1248	38000	U
11097-69-1-----	Aroclor-1254	38000	U
11096-82-5-----	Aroclor-1260	73000	D

IEA Pesticide Standard Report

Sample Name : 0060026
Result File : /DATA/LOOP/RESULT/A1209343.RES
Column Type : RTX-35 30-Meter, 0.53mm ID

Inj on 1142 17Feb1993
INSTRUMENT: HP58901A
Inj. Vol. : 1 ul

0157



IEA Pesticide Standard Report

Sample Name : 0060026 CS-76 DF=1000
 Result File : /DATA/LOOP/RESULT/A1209343.RES
 Column Type : RTX-35 30 Meter,0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1142 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 46
 Report No : 451.00
 Inj. Vol. : 1 ul
 Bottle no. : 46

% Dil-Fact
3333.00

Run Status : RunStatusOK
NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.16		.159104	56185	PV	0.0000	
2	7.36		.127390	96329	VV	0.0000	
3	8.30		.209278	15361	PV	0.0000	
4	9.34		.129935	192749	BV	0.0000	
5	10.39		.101612	33208	BV	0.0000	
6	11.44		.328923	43976	PV	0.0000	
7	16.67		.187189	27290	VV	0.0000	
8	21.32		.149183	35232	BV	0.0000	
9	22.96	22.99	.112329	27622	VV	.2799	Aldrin
10	23.13		.202725	37677	VV	0.0000	
11	25.19		.183893	72211	VV	0.0000	
12	25.37		.112902	39908	VV	0.0000	
13	25.53		.105958	125703	VV	0.0000	
14	25.69	25.72	.099086	41522	VV	.4267	gamma-Chlordane
15	25.89		.118062	193367	VV	0.0000	
16	26.10		.147992	111409	VV	0.0000	
17	26.49		.112460	45352	VV	0.0000	
18	26.86		.124051	68572	VV	0.0000	
19	27.05		.116124	101407	VV	0.0000	
20	27.39		.192815	421762	VV	0.0000	
21	27.60		.125014	116182	VV	0.0000	
22	27.88		.136221	504260	VV	0.0000	
23	28.06		.101908	103590	VV	0.0000	
24	28.24		.145055	541404	VV	0.0000	
25	28.75		.146204	233065	VV	0.0000	
26	28.96		.194277	367618	VV	0.0000	
27	29.26		.117602	244206	VV	0.0000	
28	29.37	29.32	.109536	368798	VV	5.7125	4,4'-DDT
29	29.55	29.50	.114167	310561	VV	5.2537	Endrin-aldehyde
30	29.73		.163565	251061	VV	0.0000	
31	30.17	pk 1260	.240372	125746	VV	0.0000	
32	30.65		.122728	277824	VV	0.0000	
33	30.96		.142504	192407	VV	0.0000	
34	31.29		.164048	611510	VB	0.0000	
35	32.87		.133062	129842	PV	0.0000	
36	33.10		.192125	333278	VV	0.0000	
37	35.39		.184171	55218	BV	0.0000	
38	35.84		.199956	130645	VB	0.0000	
39	38.23		.169231	21656	BB	0.0000	

(Handwritten signature)

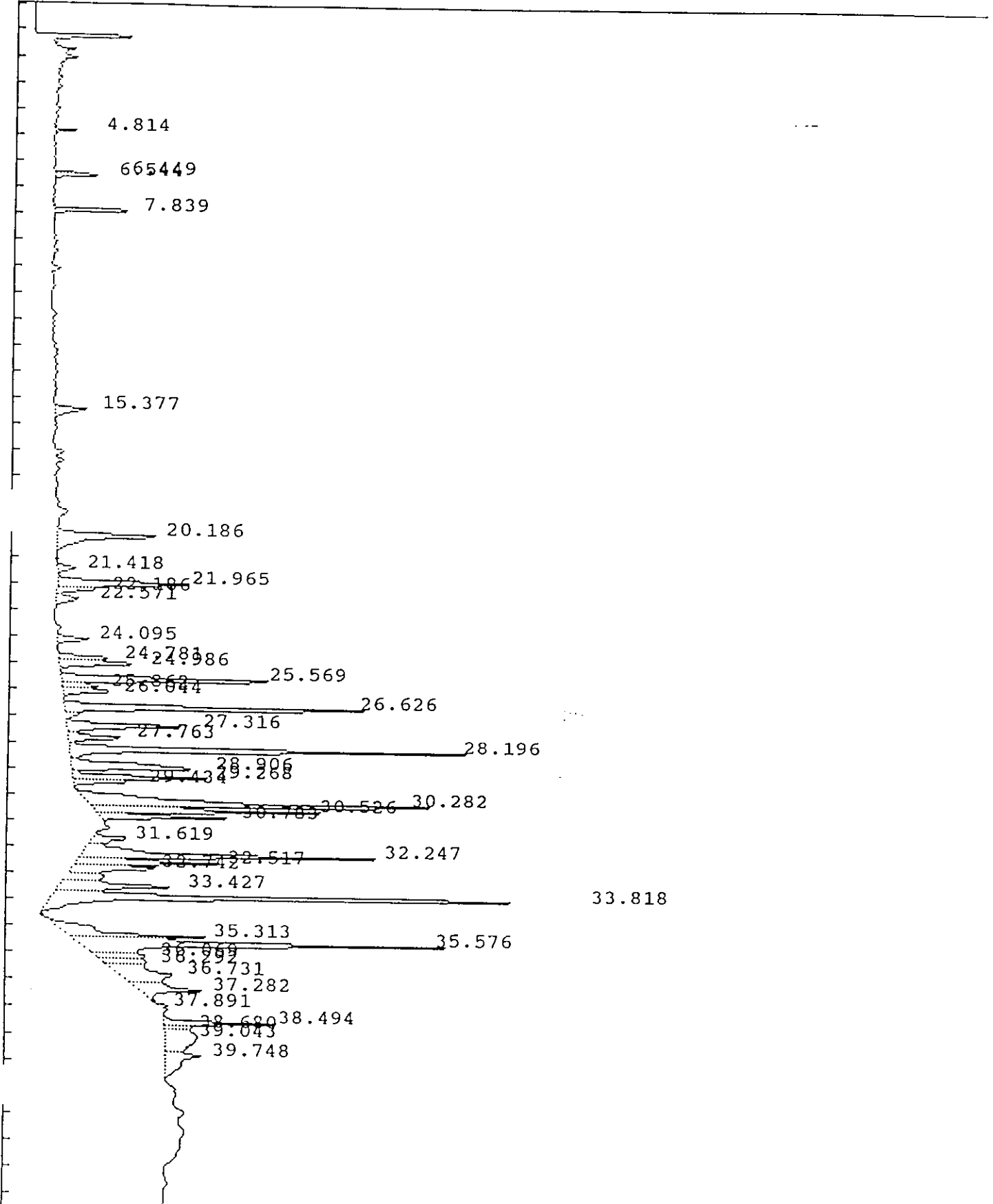
Total Area : 6705715 Total PPB : 11.673
IEA Pesticide Standard Report

Report Time : 1229 17Feb1993
Method : /DATA/LOOP/METHOD/A1209.MTH
Result File : /DATA/LOOP/RESULT/A1209343.RES

IEA Pesticide Standard Report

Sample Name : 0060026 CS-76 DF=1000
Result File : /DATA/LOOP/RESULT/B5041144.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0537 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060026 CS-76 DF=1000
 Result File : /DATA/LOOP/RESULT/B5041144.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0537 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 45
 Report No : 100.00
 Inj. Vol. : 1 ul
 Bottle no. : 45

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 EndOffBaseline
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.81		.061079	7530	BB	0.0000	
2	6.45		.059726	12873	BV	0.0000	
3	6.54		.067536	14127	VB	0.0000	
4	7.84	7.87	.078974	40925	BB	.9315	Tetrachloro m-xylene
5	15.38		.202704	26422	BB	0.0000	
6	20.19		.247529	103352	BB	0.0000	
7	21.42		.181284	13345	BB	0.0000	
8	21.97		.194186	104020	BV	0.0000	
9	22.19		.150262	24272	VV	0.0000	
10	22.57		.230796	21130	VB	0.0000	
11	24.10	24.12	.169079	21980	BB	.5692	alpha-Chlordane
12	24.78		.145651	30406	BV	0.0000	
13	24.99		.189995	58622	VV	0.0000	
14	25.57		.168786	153436	VV	0.0000	
15	25.86		.144954	21353	VV	0.0000	
16	26.04		.162071	34717	VB	0.0000	
17	26.63		.153075	201498	BV	0.0000	
18	27.32	27.29	.178064	87495	VV	3.3308	Endrin
19	27.76		.165100	39741	VV	0.0000	
20	28.20		.152749	253587	VV	0.0000	
21	28.91		.217127	116644	VV	0.0000	
22	29.27		.141063	78792	VV	0.0000	
23	29.43		.129799	30722	VB	0.0000	
24	30.28		.199011	304177	BV	0.0000	
25	30.53		.132903	127430	VV	0.0000	
26	30.78		.131192	69635	VB	0.0000	
27	31.62		.202871	31858	PV	0.0000	
28	32.25 Au 1260		.167188	207470	VV	0.0000	
29	32.52		.149690	87897	VV	0.0000	
30	32.74	32.78	.198943	72372	VV	4.4341	Endrin aldehyde
31	33.43		.225171	107134	VV	0.0000	
32	33.82		.159127	347547	VV	0.0000	
33	35.31		.226995	132557	PV	0.0000	
34	35.58		.196680	304643	VV	0.0000	
35	36.07		.205522	43108	VV	0.0000	
36	36.29		.219745	38822	VV	0.0000	
37	36.73		.457088	102858	VV	0.0000	
38	37.28		.260496	70943	VB	0.0000	

Ans 3/P

0162

IEA Pesticide Standard Report

pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
39	37.89		.134120	4022	BV	0.0000	
40	38.49		.123616	58805	BV	0.0000	
41	38.68		.119875	12921	VV	0.0000	
42	39.04		.703847	91070	VV	0.0000	
43	39.75		.414931	60210	VV	0.0000	

Total Area : 3772466 Total PPB : 9.266

Report Time : 0627 26Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041144.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS1

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060027

0163

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209347.D

% Moisture: 15 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y

pH: 6.2

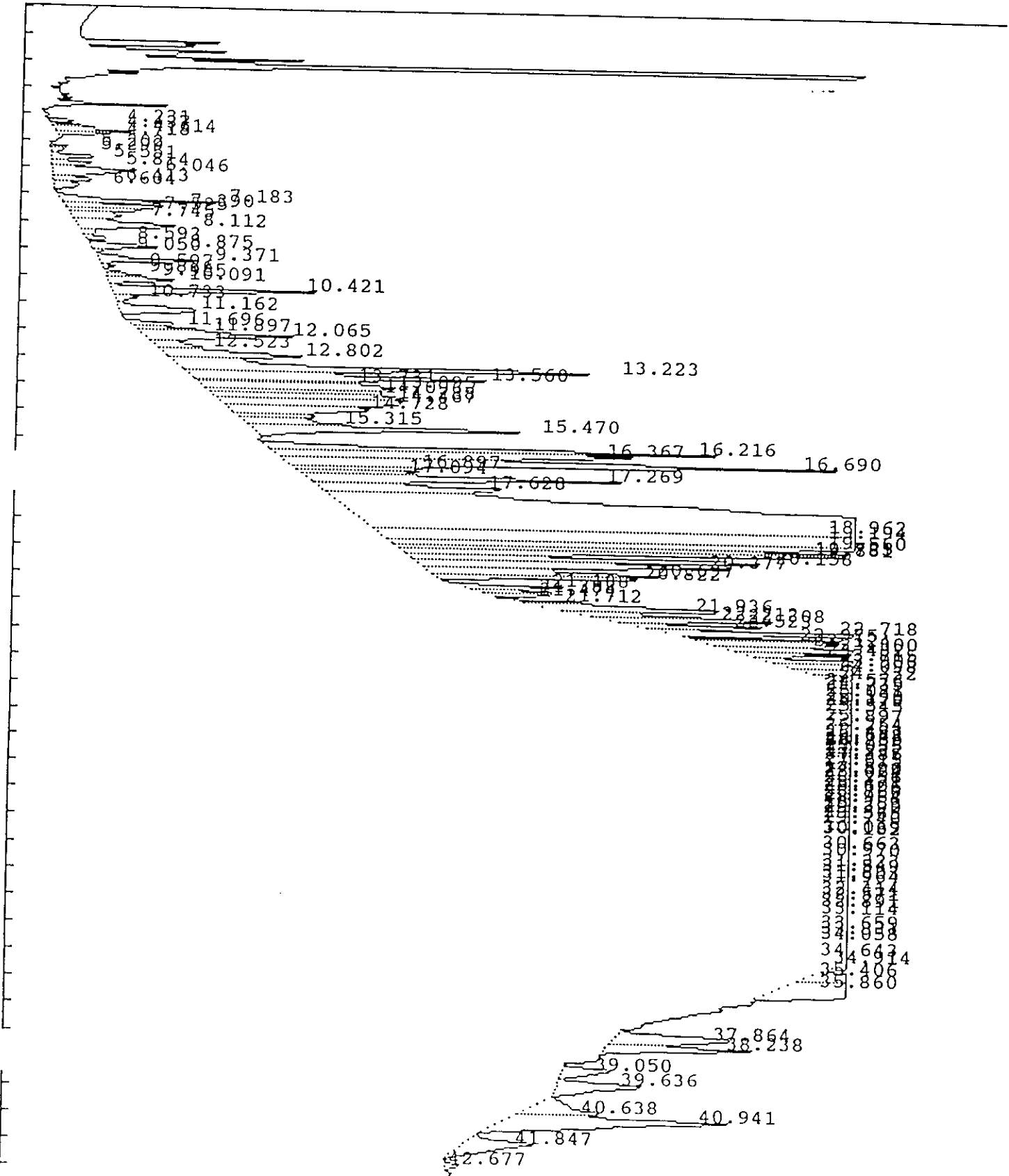
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	390	U
11104-28-2-----	Aroclor-1221	790	U
11141-16-5-----	Aroclor-1232	390	U
53469-21-9-----	Aroclor-1242	390	U
12672-29-6-----	Aroclor-1248	700	P
11097-69-1-----	Aroclor-1254	390	U
11096-82-5-----	Aroclor-1260	7400	C P

IEA Pesticide Standard Report

Sample Name : 0060027 CS-1 DF=10 Inj on 1617 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209347.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul

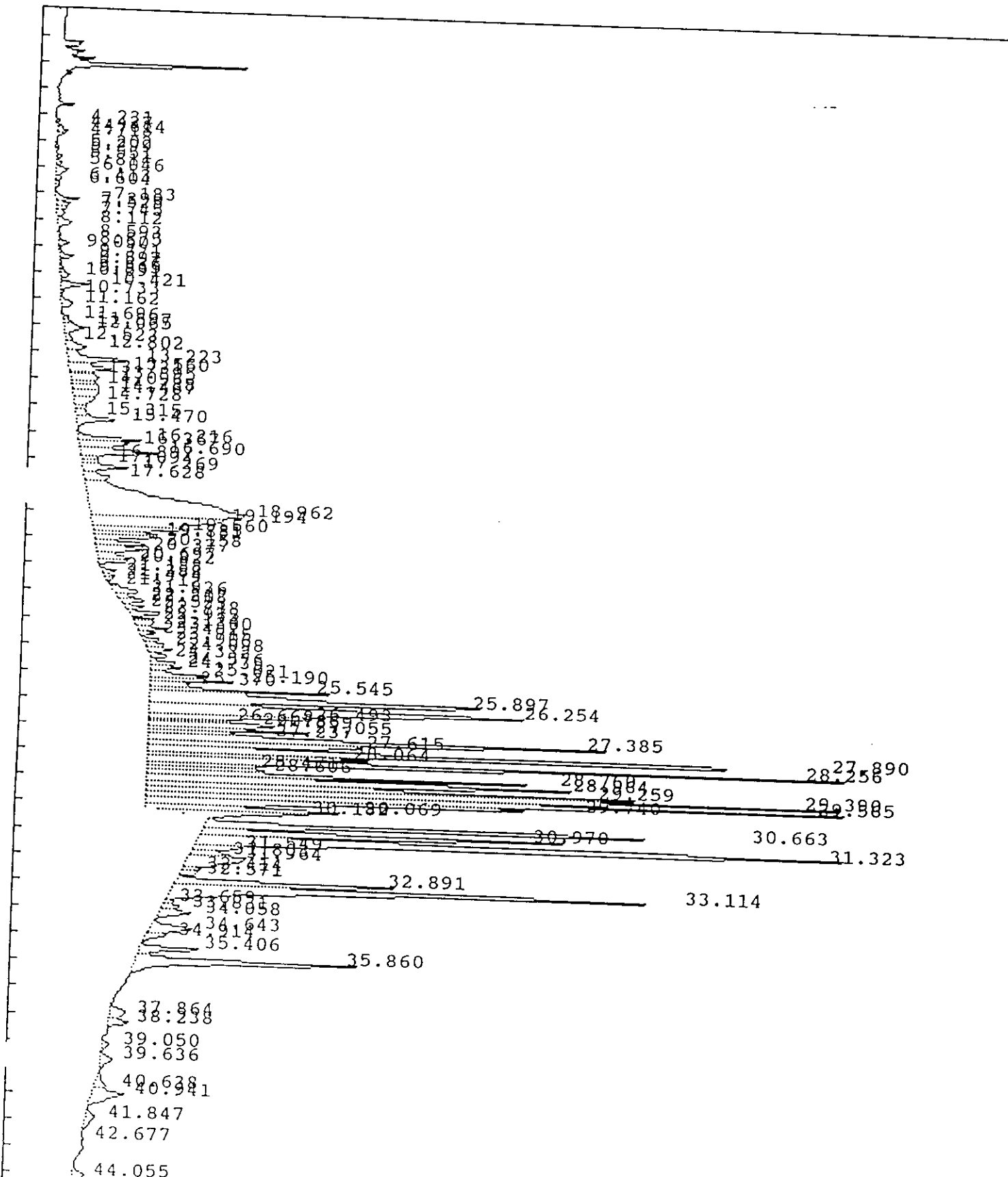
0164



IEA Pesticide Standard Report

Sample Name : 0060027 CS-1 DF=10 Inj on 1617 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209347.RES
Column Type : RTX-35 30-Meter, 0.53mm ID

INSTRUMENT: HP58901A
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060027 CS-1 DF=10
 Result File : /DATA/LOOP/RESULT/A1209347.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1617 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 50

Report No : 455.10
 Inj. Vol. : 1 ul
 Bottle no. : 50

% Dil-Fact
 3333.00

Run Status : EndOffBaseline
 SignalOverload

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.23		.066219	30458	PV	0.0000	
2	4.44		.098434	45474	VV	0.0000	
3	4.61		.120826	119214	VV	0.0000	
4	4.72		.069328	31086	VV	0.0000	
5	5.20		.097737	19509	BV	0.0000	
6	5.30		.107291	18105	VV	0.0000	
7	5.55		.125220	70139	VV	0.0000	
8	5.81		.129377	63673	VV	0.0000	
9	6.05		.238243	213994	VV	0.0000	
10	6.41		.127543	60821	VV	0.0000	
11	6.60		.184137	55351	VB	0.0000	
12	7.18		.105404	208997	BV	0.0000	
13	7.39		.125699	151141	VV	0.0000	
14	7.52		.150310	120913	VV	0.0000	
15	7.75		.211207	113328	VV	0.0000	
16	8.11		.240175	246612	VV	0.0000	
17	8.59		.111454	31982	VB	0.0000	
18	8.87		.150721	112573	BV	0.0000	
19	9.05		.073325	11676	VV	0.0000	
20	9.37		.133912	161978	VB	0.0000	
21	9.60		.102740	15876	BV	0.0000	
22	9.84		.081011	16445	VV	0.0000	
23	9.97		.109529	41956	VV	0.0000	
24	10.09		.140606	105845	VV	0.0000	
25	10.42		.152107	364392	VV	0.0000	
26	10.73		.161264	42147	VV	0.0000	
27	11.16		.250543	202494	VB	0.0000	
28	11.70		.138008	71363	BV	0.0000	
29	11.90		.127577	90565	VV	0.0000	
30	12.07		.201953	330619	VV	0.0000	
31	12.52		.208135	98321	VV	0.0000	
32	12.80	12.77	.226214	336486	VV	3.5445	Tetrachloro-m-xylene
33	13.22		.202160	949088	VV	0.0000	
34	13.56		.185909	596623	VV	0.0000	
35	13.73		.093907	157091	VV	0.0000	
36	13.89		.232187	461020	VV	0.0000	
37	14.10		.119771	211650	VV	0.0000	
38	14.29		.222073	425397	VV	0.0000	
39	14.47		.239806	448942	VV	0.0000	

IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	14.73		.232286	346305	VV	0.0000	
41	15.31		.194137	197305	VV	0.0000	
42	15.47		.169915	527605	VV	0.0000	
43	16.22		.154356	729848	BV	0.0000	
44	16.37		.183247	702582	VV	0.0000	
45	16.69		.190094	1111679	VV	0.0000	
46	16.90	16.91	.136975	183796	VV	1.6809	alpha-BHC
47	17.09		.129136	153798	VV	0.0000	
48	17.27		.184821	623721	VV	0.0000	
49	17.63		.234483	461971	VV	0.0000	
50	18.96		.760177	8477884	VV	0.0000	
51	19.19		.327996	3060783	VV	0.0000	
52	19.56		.166864	1090782	VV	0.0000	
53	19.79		.120712	559303	VV	0.0000	
54	19.88	19.88	.135006	632122	VV	11.4561	beta-BHC
55	20.16		.155005	627631	VV	0.0000	
56	20.38		.196483	646750	VV	0.0000	
57	20.70		.163018	410260	VV	0.0000	
58	20.82		.116477	276719	VB	0.0000	
59	21.19		.113979	138170	BV	0.0000	
60	21.39		.131651	104865	VV	0.0000	
61	21.47	21.51	.088852	66228	VV	.6498	Heptachlor
62	21.71		.083772	66111	PV	0.0000	
63	21.94		.183617	399585	VV	0.0000	
64	22.21		.129854	214655	VV	0.0000	
65	22.31		.108357	209532	VV	0.0000	
66	22.52		.119058	202667	VV	0.0000	
67	22.72		.152359	401726	VB	0.0000	
68	22.98	22.99	.087710	169405	BV	1.7164	Aldrin
69	23.12		.140093	209146	VV	0.0000	
70	23.30		.119281	306157	VV	0.0000	
71	23.48		.121646	152211	VV	0.0000	
72	23.71		.113498	186999	VV	0.0000	
73	23.91		.150357	212418	VV	0.0000	
74	24.10		.135178	276052	VV	0.0000	
75	24.33	Ac 1248	.144148	196820	VB	0.0000	
76	24.58		.106496	254167	BV	0.0000	
77	24.73		.136033	315734	VV	0.0000	
78	25.02	25.07	.130030	626545	VV	6.8683	Heptachlor epoxide
79	25.19		.112211	768019	VV	0.0000	
80	25.37		.095658	346896	VV	0.0000	
81	25.54		.101680	1502279	VV	0.0000	
82	25.90		.171611	5259059	VV	0.0000	
83	26.25	26.25	.252510	6869584	VV	84.7638	Endosulfan I
84	26.49		.150143	1869762	VV	0.0000	
85	26.67		.077325	435687	VV	0.0000	
86	26.79		.081126	648231	VV	0.0000	
87	26.86		.146549	1362567	VV	0.0000	
88	27.05		.107301	1369689	VV	0.0000	
89	27.24		.104619	878692	VV	0.0000	
90	27.38		.170060	5602421	VV	0.0000	
91	27.62		.133976	2165685	VV	0.0000	
92	27.89		.147483	7384075	GV	0.0000	
93	28.06	28.13	.103099	1846744	VV	27.8497	Endrin
94	28.26		.128157	6416255	GS	0.0000	

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IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
95	28.47	28.45	.122806	969251	HS	15.2096	4,4'-DDD-
96	28.61	28.63	.116724	1077159	HS	14.3411	Endosulfan II
97	28.76		.096616	3075082	HS	0.0000	
98	28.96		.184641	5996471	HS	0.0000	
99	29.26	29.32	.118830	4906465	GS	75.9984	4,4'-DDT-
100	29.39		.124708	6244263	GS	0.0000	
101	29.57	29.50	.145817	7300758	GS	123.5060	Endrin aldehyde
102	29.74		.152090	4825940	HS	0.0000	
103	30.07	30.01	.130537	1995243	HS	29.4516	Endosulfan sulfate
104	30.18		.154184	1774126	HS	0.0000	
105	30.66		.113730	4623158	BV	0.0000	
106	30.97	Ar 126	.132613	3753314	VV	0.0000	
107	31.32		.210086	9752036	GV	0.0000	
108	31.55		.157913	507380	VV	0.0000	
109	31.80		.116828	324674	VV	0.0000	
110	31.96		.346246	1474492	VV	0.0000	
111	32.41		.122520	168947	VV	0.0000	
112	32.57		.106479	145965	VB	0.0000	
113	32.89		.141621	2481476	BV	0.0000	
114	33.11		.171518	6555740	VV	0.0000	
115	33.66		.124888	74463	VV	0.0000	
116	33.83		.150049	197388	VV	0.0000	
117	34.06		.197155	429610	VB	0.0000	
118	34.64		.259106	745592	BV	0.0000	
119	34.91		.156072	203660	VB	0.0000	
120	35.41		.157603	751081	BV	0.0000	
121	35.86		.195955	3280256	VV	0.0000	
122	37.86		.312564	371057	BV	0.0000	
123	38.24		.181936	281847	VV	0.0000	
124	39.05		.259440	130422	BV	0.0000	
125	39.64		.317832	276152	VB	0.0000	
126	40.64	#40.67	.329855	259241	BV	2.1714	Decachlorobiphenyl
127	40.94		.343611	785530	VB	0.0000	
128	41.85		.389102	269148	BB	0.0000	
129	42.68		.162404	26069	BV	0.0000	
130	44.05		.364313	293539	BB	0.0000	
131	45.24		.225788	40949	VV	0.0000	

ars/p

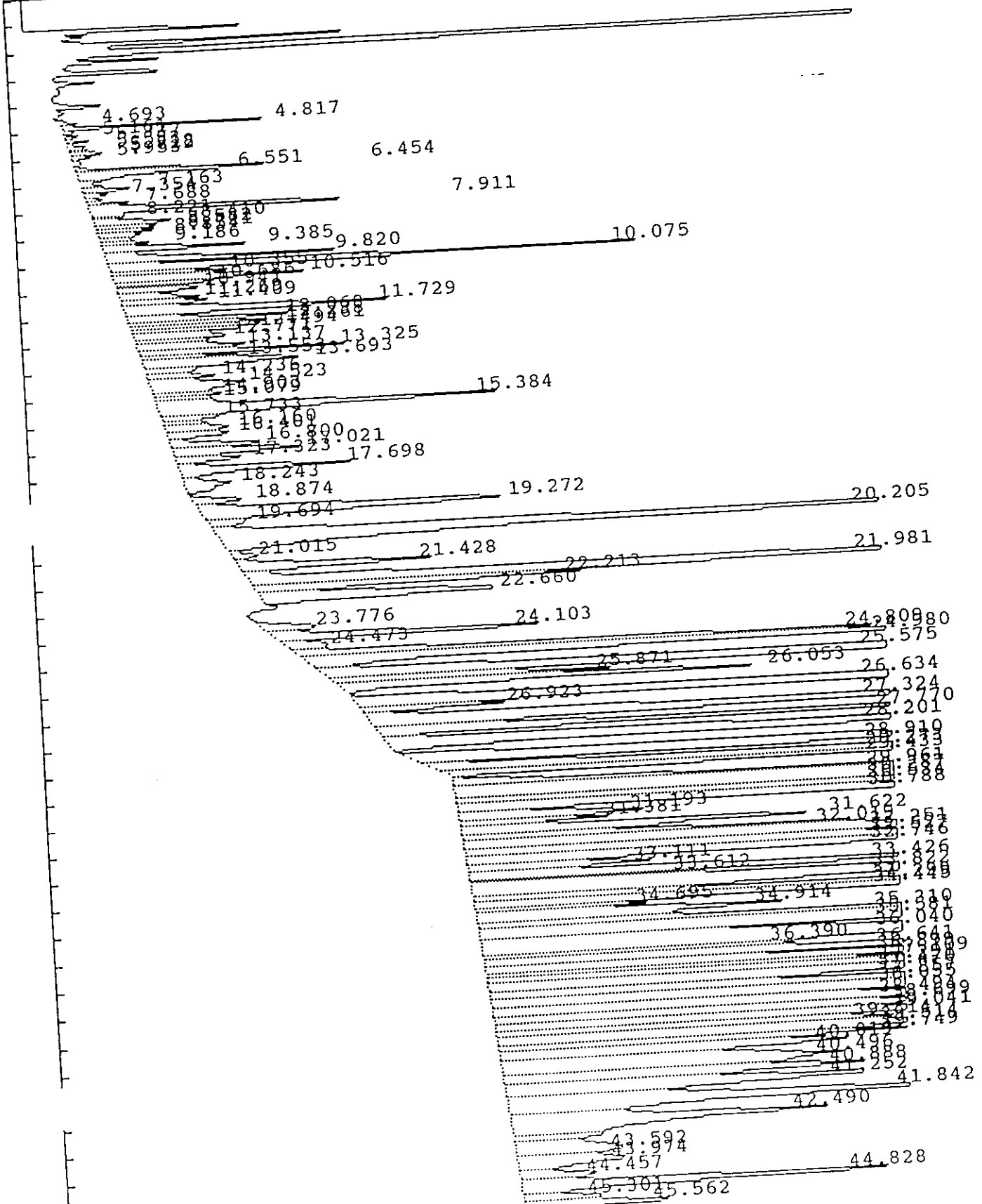
Total Area : 153476992 Total PPB : 399.208

Report Time : 1748 17Feb1993
Method : /DATA/LOOP/METHOD/A1209_347.MT
Result File : /DATA/LOOP/RESULT/A1209347.RES

IEA Pesticide Standard Report

Sample Name : 0060027 CS-1 DF=10
Result File : /DATA/LOOP/RESULT/B5041146.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

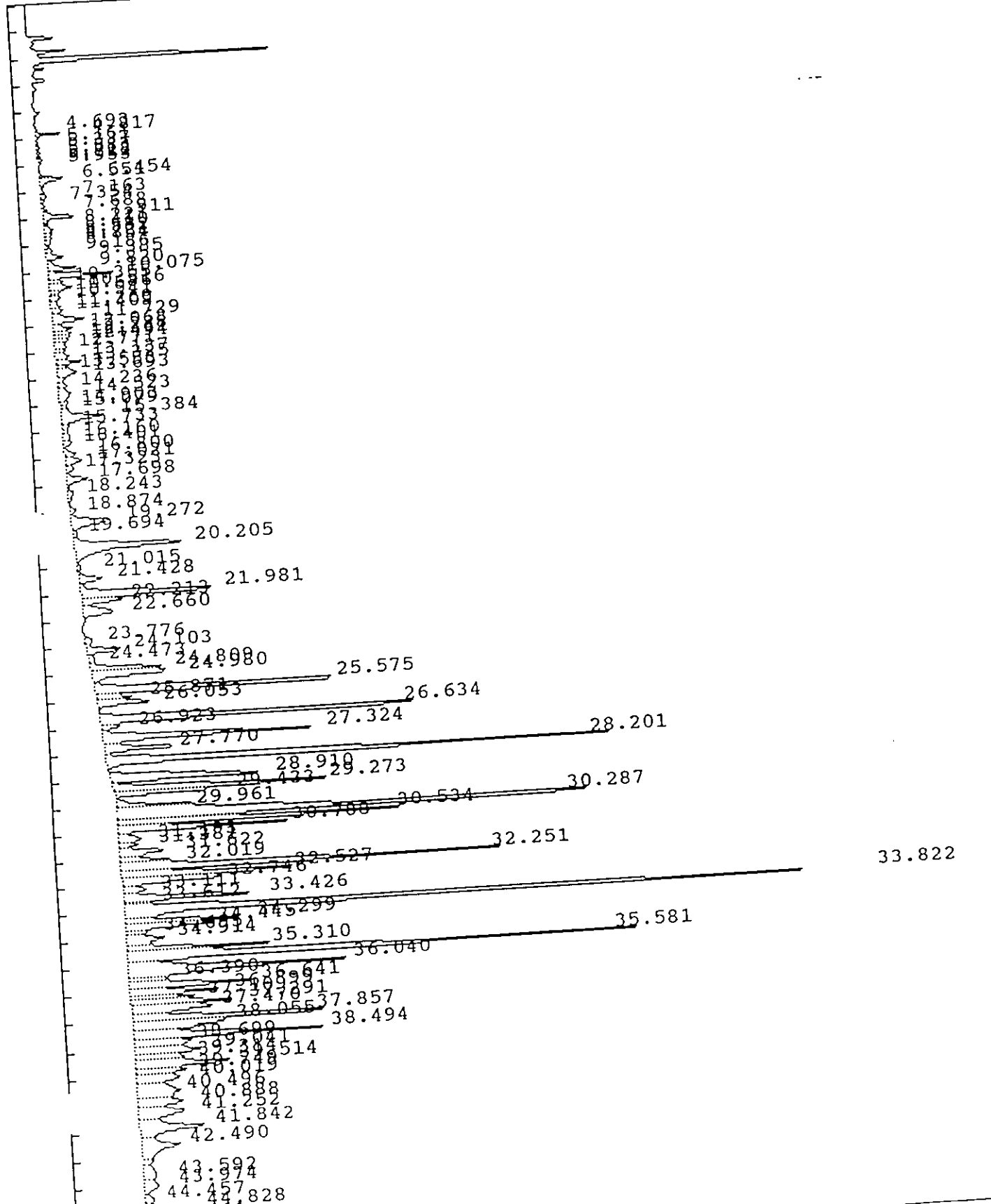
Inj on 0725 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060027 CS-1 DF=10
Result File : /DATA/LOOP/RESULT/B5041146.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 0725 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Report No :102.10

Sample Name : 0060027 CS-1 DF=10
 Result File : /DATA/LOOP/RESULT/B5041146.RES
 Column Type : DB-1701 30 Meter,0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0725 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 47 Bottle no. : 47

Inj. Vol. : 1 ul

% Dil-Fact
3333.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.69		.047343	3737	PV	0.0000	
2	4.82		.056405	63835	PV	0.0000	
3	5.16		.080884	5809	PV	0.0000	
4	5.34		.085991	8677	VV	0.0000	
5	5.58		.122561	10332	VV	0.0000	
6	5.72		.070951	10213	VV	0.0000	
7	5.82		.069633	11088	VV	0.0000	
8	5.95		.078878	7528	VV	0.0000	
9	6.45		.070174	76596	VV	0.0000	
10	6.55		.119248	79481	VV	0.0000	
11	7.16		.114194	27158	VV	0.0000	
12	7.35		.126370	12407	VV	0.0000	
13	7.69		.100047	19944	VV	0.0000	
14	7.91	7.87	.121191	167353	VV	3.8093	Tetrachloro-m-xylene
15	8.22		.093840	12731	VV	0.0000	
16	8.41		.176164	53120	VV	0.0000	
17	8.58		.117698	29942	VV	0.0000	
18	8.72		.102853	25738	VV	0.0000	
19	8.85		.179063	32786	VV	0.0000	
20	9.19		.102844	22226	VV	0.0000	
21	9.39		.147691	88757	VV	0.0000	
22	9.82		.121515	141596	VV	0.0000	
23	10.08		.146582	316151	VV	0.0000	
24	10.35		.147550	70973	VV	0.0000	
25	10.52		.159998	125827	VV	0.0000	
26	10.69		.119916	45888	VV	0.0000	
27	10.94		.132368	44099	VV	0.0000	
28	11.27		.202230	66595	VV	0.0000	
29	11.41		.144987	54749	VV	0.0000	
30	11.73		.205079	213394	VV	0.0000	
31	12.07		.140250	98026	VV	0.0000	
32	12.24		.111438	65066	VV	0.0000	
33	12.36		.109509	64070	VV	0.0000	
34	12.49		.129949	60392	VV	0.0000	
35	12.77		.228842	83315	VV	0.0000	
36	13.14		.204572	89254	VV	0.0000	
37	13.33		.135820	116619	VV	0.0000	
38	<u>13.55</u>		.116257	51168	VV	0.0000	
39	13.69		.218328	143513	VV	0.0000	

IEA Pesticide Standard Report

K#	RT	ID-tm	Peak	Width	Area	Code	PPB	Name
40	14.24		.161127		43421	VV	0.0000	
41	14.52		.344044		129183	VV	0.0000	
42	14.90		.157085		41451	VV	0.0000	
43	15.08		.124089		27546	VV	0.0000	
44	15.38		.233944		321763	VV	0.0000	
45	15.73		.172822		40043	VV	0.0000	
46	16.16	AK124P	.206213		50482	VV	0.0000	
47	16.40		.212598		51977	VV	0.0000	
48	16.80		.180378		66294	VV	0.0000	
49	17.02		.198046		101775	VV	0.0000	
50	17.32		.203150		52408	VV	0.0000	
51	17.70		.200666		137089	VV	0.0000	
52	18.24		.341377		61259	VV	0.0000	
53	18.87		.204860		40259	PV	0.0000	
54	19.27	19.32	.278642		333597	VV	14.8658	delta-BHC
55	19.69		.217500		32358	VV	0.0000	
56	20.21		.262480		926268	VV	0.0000	
57	21.02		.189873		20186	VV	0.0000	
58	21.43		.210854		159979	VV	0.0000	
59	21.98		.193588		842282	VV	0.0000	
60	22.21		.165710		215551	VV	0.0000	
61	22.66		.274276		255168	VV	0.0000	
62	23.78		.294750		59781	BV	0.0000	
63	24.10	24.12	.168565		188716	VV	4.8868	alpha-Chlordane
64	24.47		.285820		46466	VV	0.0000	
65	24.81		.162561		365979	VV	0.0000	
66	24.98		.208915		511421	VV	0.0000	
67	25.57		.171882		1433126	VV	0.0000	
68	25.87	25.94	.141273		158436	VV	5.5559	Dieldrin
69	26.05		.157500		277510	VB	0.0000	
70	26.63		.152730		1708678	BV	0.0000	
71	26.92		.150042		87649	VV	0.0000	
72	27.32	27.29	.170657		1155300	VV	43.9809	Endrin
73	27.77		.163440		415991	VV	0.0000	
74	28.20		.146198		2421450	VV	0.0000	
75	28.91		.201109		1027604	PV	0.0000	
76	29.27		.146621		1033993	VV	0.0000	
77	29.43		.122811		400936	VB	0.0000	
78	29.96		.148699		398393	BV	0.0000	
79	30.29		.179109		3064700	VV	0.0000	
80	30.53		.138156		1297021	VV	0.0000	
81	30.79		.133142		736027	VV	0.0000	
82	31.19		.234718		172996	VV	0.0000	
83	31.38		.139552		85634	VV	0.0000	
84	31.62		.211483		324497	VV	0.0000	
85	32.02		.154023		256254	VV	0.0000	
86	32.25	AK1260	.147910		1847585	VV	0.0000	
87	32.53		.174473		965912	VV	0.0000	
88	32.75	32.78	.166526		554675	VV	33.9840	Endrin aldehyde
89	33.11		.197384		145481	VV	0.0000	
90	33.43		.147049		654890	VV	0.0000	
91	33.61		.096453		90986	VV	0.0000	
92	33.82		.136448		3361282	VV	0.0000	
93	34.30		.140658		521210	VV	0.0000	
94	34.45	34.45	.147796		422175	VV	18.8671	Endosulfan-sulfate

AK 3/P

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IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB
95	34.70	34.76	.128822	91064	VV	6.7249
96	34.91		.259352	317301	VV	0.0000
97	35.31		.135932	644616	VV	0.0000
98	35.58		.148954	2538494	VV	0.0000
99	36.04		.222315	1575455	VV	0.0000
100	36.39	36.39	.122407	150436	VV	5.8532
101	36.64		.179116	695749	VV	0.0000
102	36.90		.149876	430469	VV	0.0000
103	37.11		.149948	312631	VV	0.0000
104	37.29		.149473	486298	VV	0.0000
105	37.47		.227456	592678	VV	0.0000
106	37.86		.164205	1106730	VV	0.0000
107	38.06		.234972	707036	VV	0.0000
108	38.49		.155157	968416	VV	0.0000
109	38.70		.254698	465156	VV	0.0000
110	39.04		.215698	460485	VV	0.0000
111	39.31		.192169	303098	VV	0.0000
112	39.51		.193172	605713	VV	0.0000
113	39.75		.181722	301706	VV	0.0000
114	40.02		.274608	376760	VV	0.0000
115	40.50	#40.48	.450663	608632	VV	15.6456
116	40.89		.267448	380893	VV	0.0000
117	41.25		.337032	493041	VV	0.0000
118	41.84		.326491	677542	VV	0.0000
119	42.49		.408790	517284	VV	0.0000
120	43.59		.456257	192166	VV	0.0000
121	43.97		.364280	160566	VV	0.0000
122	44.46		.264015	79517	VV	0.0000
123	44.83		.220643	336806	VV	0.0000
124	45.30		.212339	66870	VV	0.0000
125	45.56		.242188	143824	VB	0.0000
126	46.27		.169013	11847	BB	0.0000

Name
~~Methoxychlor~~

~~Endrin-ketone~~

~~Decachlorobiphenyl~~

283/p

Total Area : 49562568 Total PPB : 154.174

Report Time : 2327 26Feb1993
Method : /DATA/LOOP/METHOD/B5041_146.MT
Result File : /DATA/LOOP/RESULT/B5041146.RES

0174

QUANT REPORT

Operator ID: MSC
Output File: <C6055::QT
Data File: >C6055::CS
Name: 0060;;;CS 1
Misc: 0060027 HP5970C;;;012893;;;1;;;C0966

Quant Rev: 6
Quant Time: 930310 12:00
Injected at: 930309 18:25
Dilution Factor: 1.00000

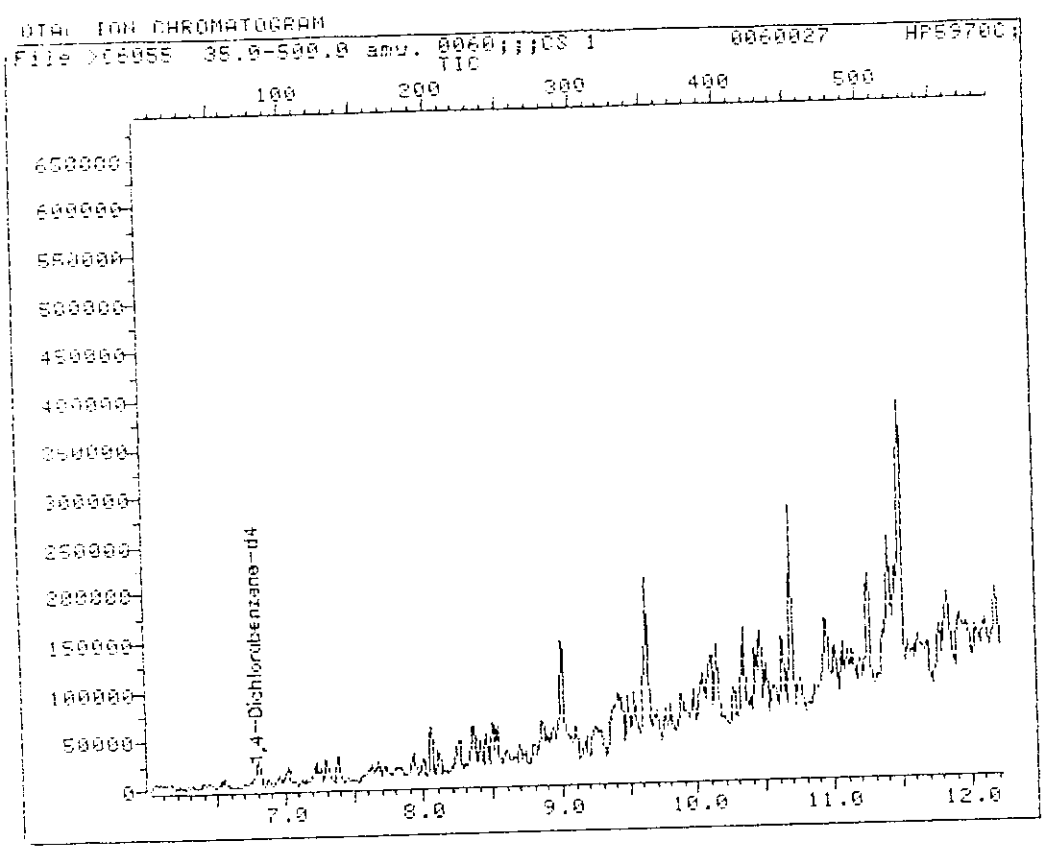
BTL# 5

ID File: I_PCBC::N1
Title: PCB ID file - instrument MSC
Last Calibration: 930310 11:54

Compound	R.T.	Q	ion	Area	Conc	Units	g
1) *1,4-Dichlorobenzene-d4	6.78	150.0		3227	40.00	UG	89
3) *Acenaphthene-d10	19.22	163.9		362	40.00	UG	66
4) *Phenanthrene-d10	22.96	187.9		593	40.00	UG	100
23) *Chrysene-d12	19.73	240.0		68873	40.00	UG	97
✓24) Arochlor 1260 (1)	17.98	360.0		643	10.86	UG	81
✓25) Arochlor 1260 (2)	18.75	360.0		1134	19.82	UG	91
✓26) Arochlor 1260 (3)	19.61	324.0		146	3.37	UG	79

* Compound is I310

0175



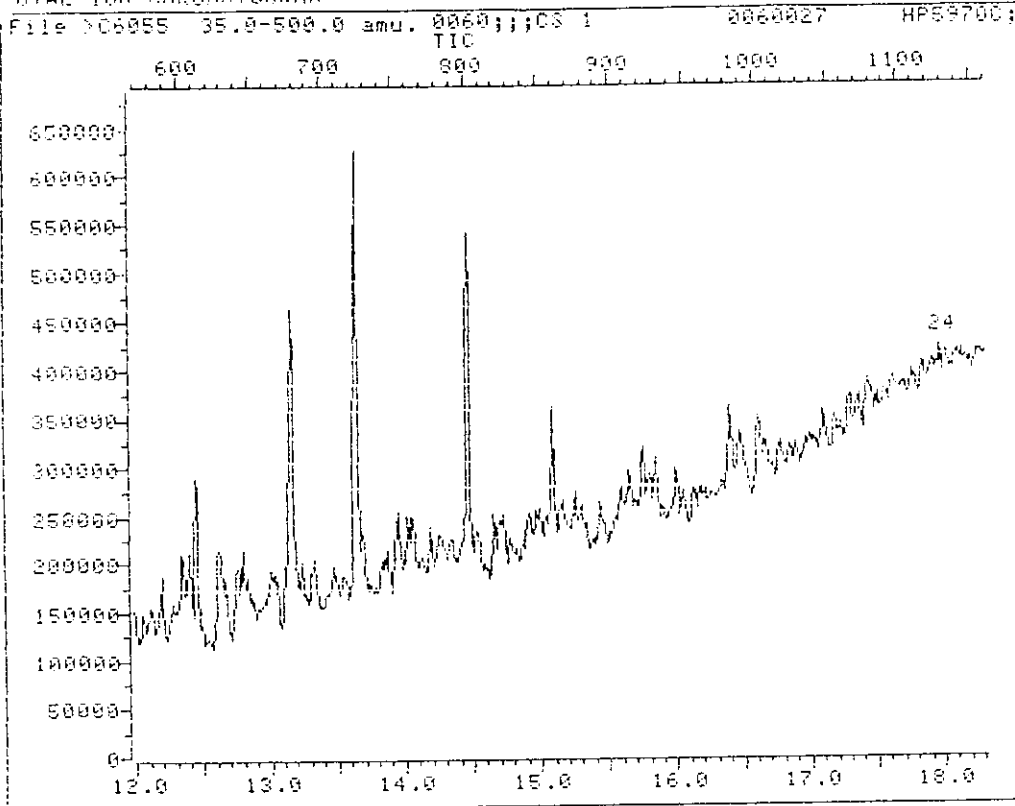
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Name: 0060;;;CS 1
Misc: 0060027 HP5970C;;012893;;1;;;C0966 BTL# 5

Id File: I_PCBID::N1
Title: PCB ID file - instrument MSC
Last Calibration: 930310 11:54

Operator ID: MSC
Quant Time: 930310 12:00
Injected at: 930309 18:25

0176

TOTAL ION CHROMATOGRAM



Data File: >C6055::C5

Quant Output File: ^C6055::QT

Name: 0060;;;CS 1

Misc: 0060027 HP5970C;;;012893;;;1;;;C0966

BTL# 5

Id File: I_PCBC::N1

Title: PCB ID file - instrument MSC

Last Calibration: 930310 11:54

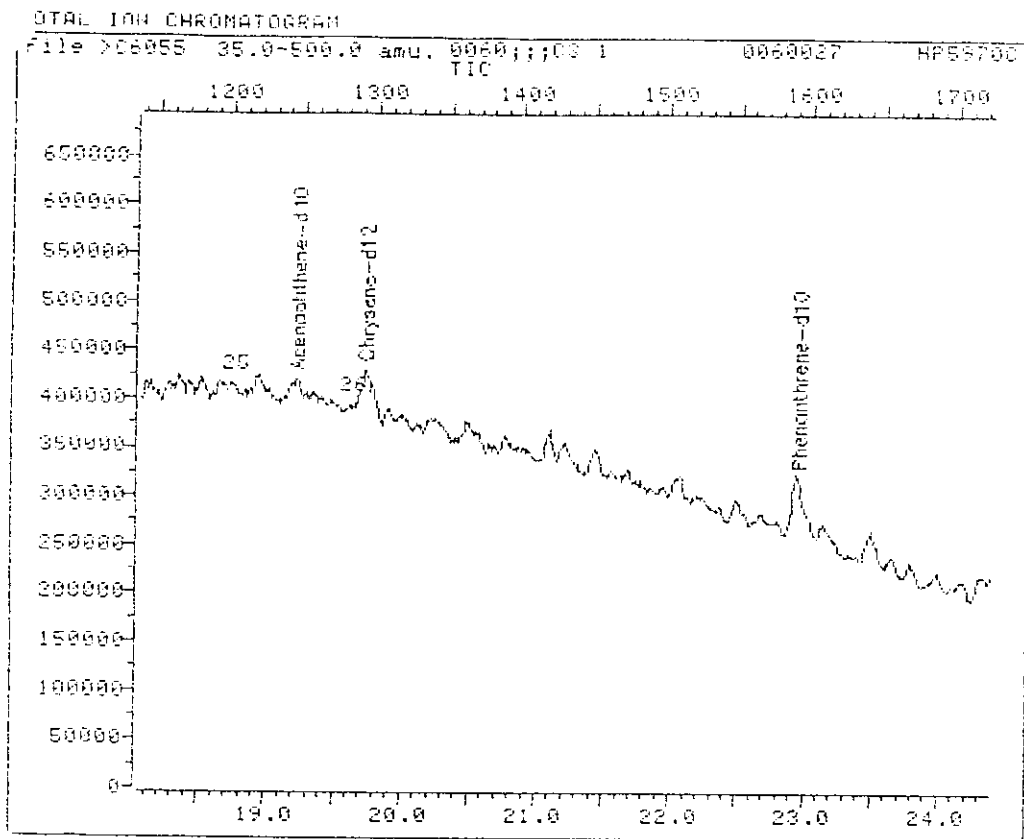
Operator ID: MSC

Quant Time: 930310 12:00

Injected at: 930309 18:25

TIC page 2 of 4

0177



Data File: >C6055::C5

Quant Output File: ^C6055::QT

Name: 0060;;;03 1

Misc: 0060027

HP5570C;;012893;;1;;;C0966

BTL# 5

Id File: I_PCBC::N1

Title: PCB ID file - instrument MSC

Last Calibration: 930310 11:54

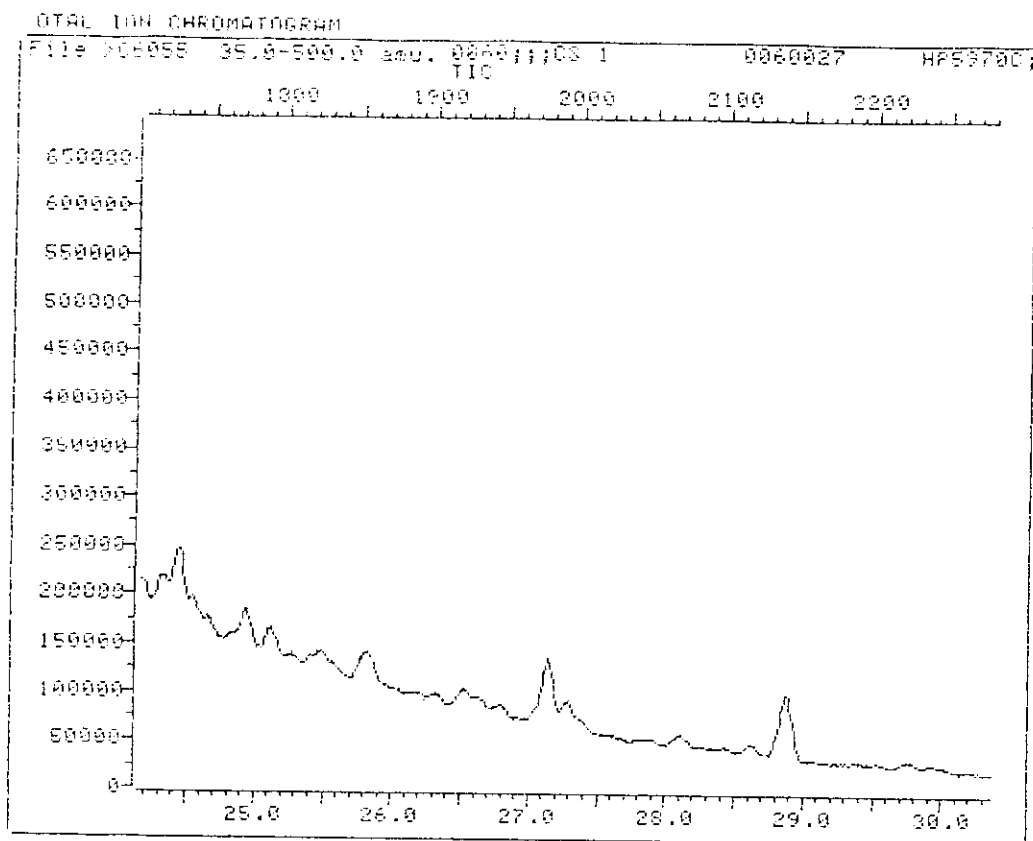
Operator ID: MSC

Quant Time: 930310 12:00

Injected at: 930309 18:25

TIC page 3 of 4

0 0178



Data File: >C6055::D5

Quant Output File: ^C6055::QT

Name: 0060;;;DS 1

Misc: 0060027

HP5970C;;012893;;1;;;D0966

BTL# 5

Id File: 1_PCBC::N1

Title: PCB ID file - instrument MSC

Last Calibration: 930310 11:54

Operator ID: MSC

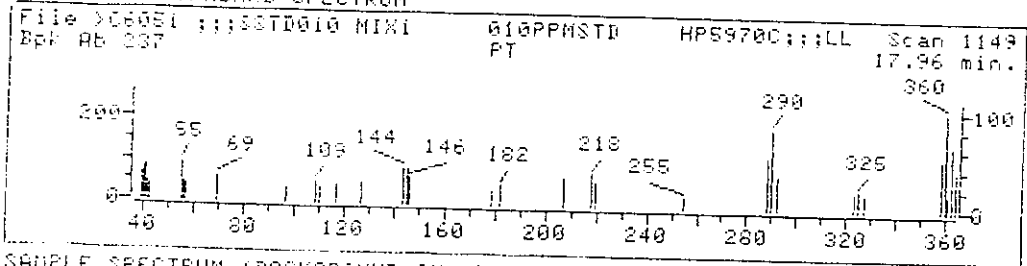
Quant Time: 930310 12:00

Injected at: 930309 18:25

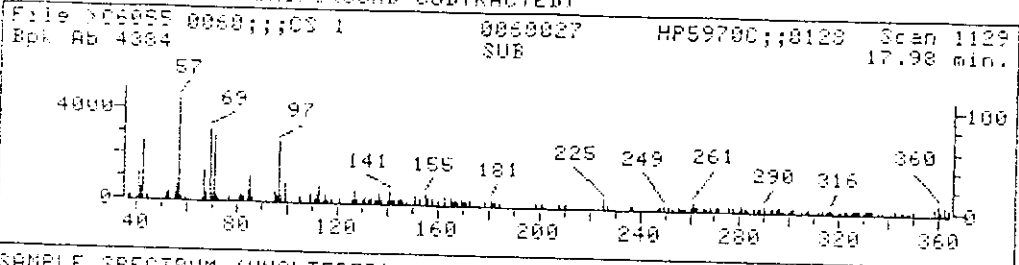
TIC page 4 of 4

0179

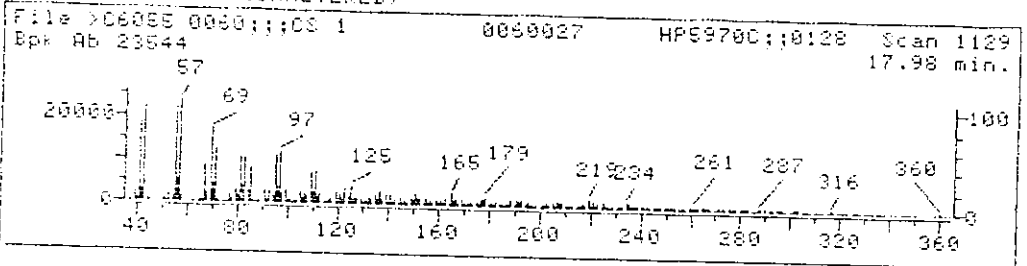
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



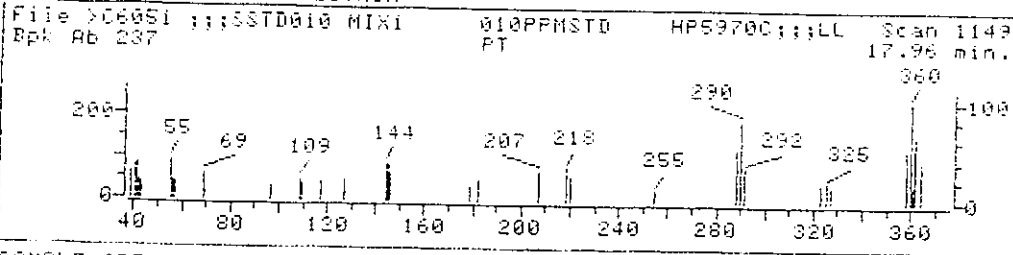
SAMPLE SPECTRUM (UNALTERED)



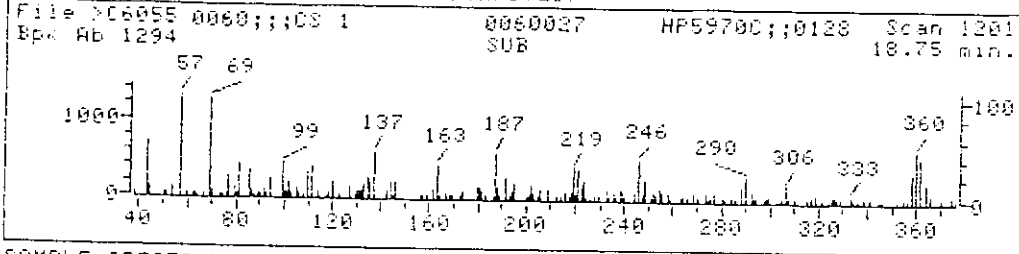
Data File: >C6055::C5 Quant Output File: ^C6055::DT
Name: 0060;;;CS 1
Misc: 0060027 HP59700;;;012893;;;1;;;00966 BTL# 5
Quant Time: 930310 12:00 Quant ID File: I_PCBC::N1
Injected at: 930309 18:25 Last Calibration: 930310 11:54

Compound No: 24
Compound Name: Arochlor 1260 (1)
Scan Number: 1129
Retention Time: 17.98 min.
Quant Ion: 360.0
Area: 643
Concentration: 10.86 UG
q-value: 81

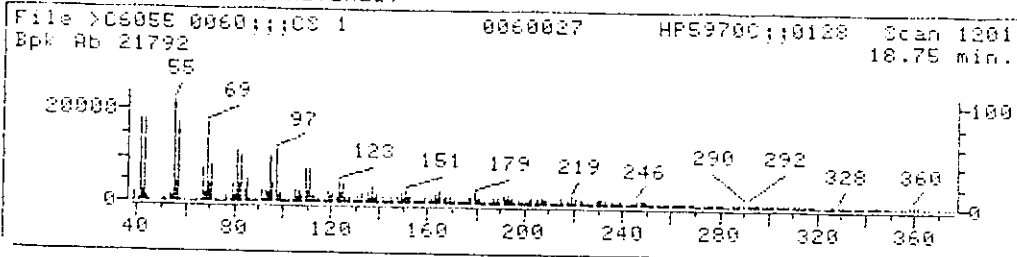
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

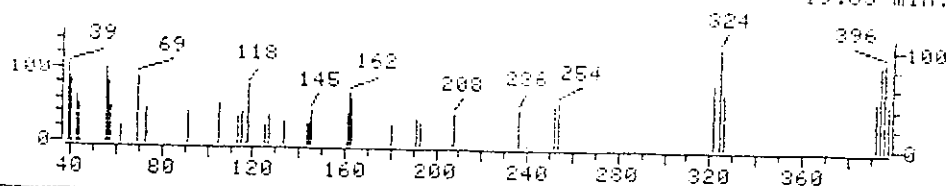


Data File: >C6055::05 Quant Output File: ^C6055::QT
Name: 0060;;;CS 1
Misc: 0060027 HP5970C;;;012893;;;1;;;C0966 BTL# 5
Quant Time: 930310 12:00 Quant ID File: I_PCBC::N1
Injected at: 930309 18:25 Last Calibration: 930310 11:54

Compound No: 25
Compound Name: Arachlor 1260 (2)
Scan Number: 1201
Retention Time: 18.75 min.
Quant Ion: 360.0
Area: 1134
Concentration: 19.82 UG
q-value: 91

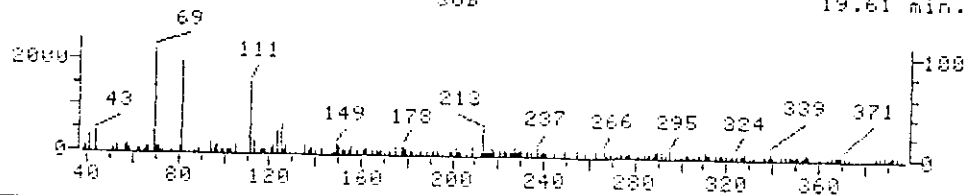
REFERENCE STANDARD SPECTRUM

File >C6051 ;;;SSTD010 MIXI 010PPMSTD HP59700; ;LL Scan 1230
Bpk Ab 135 PT 19.85 min.



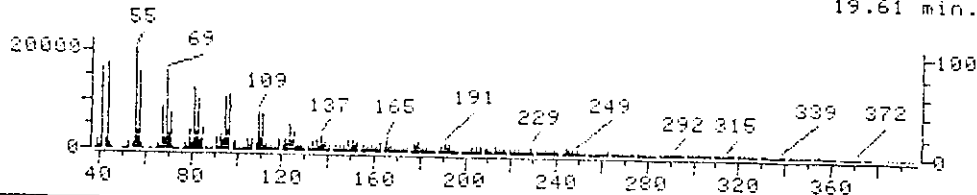
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

File >C6055 0050; ;CS 1 0050027 HP59700; ;0128 Scan 1281
Bpk Ab 2197 SUB 19.61 min.



SAMPLE SPECTRUM (UNALTERED)

File >C6055 0060; ;CS 1 0050027 HP59700; ;0128 Scan 1281
Bpk Ab 20080 19.61 min.



Data File: >C6055; ;CS Quant Output File: ^C6055; ;QT
Name: 0060; ;CS 1
Misc: 0060027 HP59700; ;012893; ;1; ;C0966 BTL# 5
Quant Time: 930310 12:00 Quant ID File: I_PCBC; ;N1
Injected at: 930309 18:25 Last Calibration: 930310 11:54

Compound No: 26
Compound Name: Arochlor 1260 (3)
Scan Number: 1281
Retention Time: 19.61 min.
Quant Ion: 324.0
Area: 146
Concentration: 3.37 UG
q-value: 79

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CS1DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) SOIL

Lab Sample ID: 0060027DL

0182

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: A1209346.D

% Moisture: 15 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 01/28/93

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 02/17/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

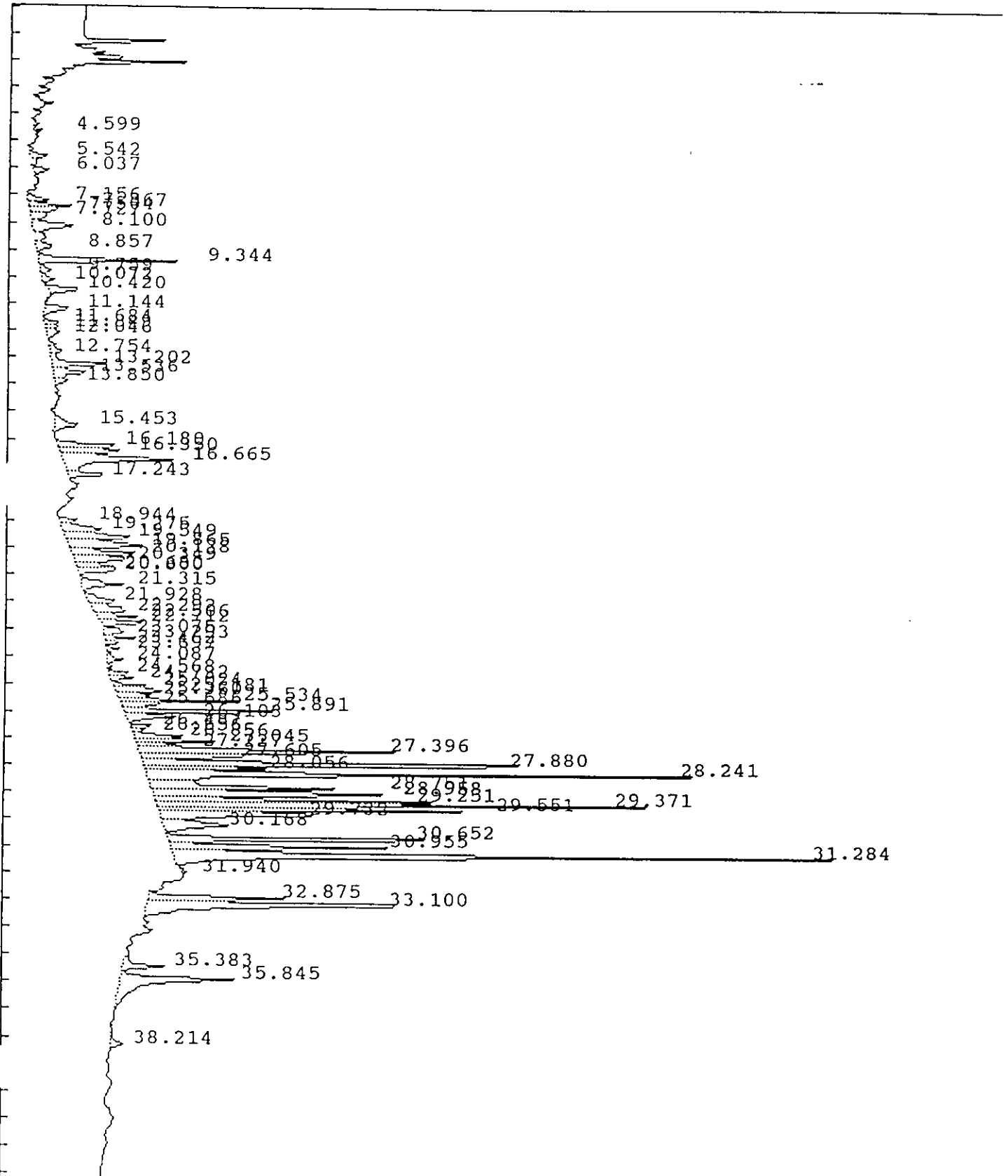
GPC Cleanup: (Y/N) Y pH: 6.2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	3900	U
11104-28-2-----	Aroclor-1221	7900	U
11141-16-5-----	Aroclor-1232	3900	U
53469-21-9-----	Aroclor-1242	3900	U
12672-29-6-----	Aroclor-1248	3900	U
11097-69-1-----	Aroclor-1254	3900	U
11096-82-5-----	Aroclor-1260	8600	PD

IEA Pesticide Standard Report

Sample Name : 0060027 CS-1 DF=100 Inj on 1424 17Feb1993 0183
Result File : /DATA/LOOP/RESULT/A1209346.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060027 CS-1 DF=100 Report No : 454.10
 Result File : /DATA/LOOP/RESULT/A1209346.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1424 17Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 49 Bottle no. : 49

% Dil-Fact
3333.00

Run Status : RunStatusOK
NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.60		.080274	10134	PV	0.0000	
2	5.54		.126004	31789	PV	0.0000	
3	6.04		.172806	37226	PV	0.0000	
4	7.16		.140836	39755	PV	0.0000	
5	7.37		.120412	66467	VV	0.0000	
6	7.50		.159385	54312	VV	0.0000	
7	7.73		.186355	37598	VV	0.0000	
8	8.10		.243809	121689	VV	0.0000	
9	8.86		.206940	40316	VV	0.0000	
10	9.34		.126339	224331	VV	0.0000	
11	9.76		.202915	24872	VV	0.0000	
12	10.07		.159258	24235	VV	0.0000	
13	10.42		.196140	77512	PV	0.0000	
14	11.14		.220057	58859	BV	0.0000	
15	11.68		.127022	25519	PV	0.0000	
16	11.85		.144252	24206	VV	0.0000	
17	12.05		.195574	33419	VB	0.0000	
18	12.75	12.77	.175940	27909	VV	.2940	Tetrachloro-m-xylene
19	13.20		.160052	121897	VV	0.0000	
20	13.54		.184022	84962	VV	0.0000	
21	13.85		.154955	24095	VB	0.0000	
22	15.45		.211340	67214	BV	0.0000	
23	16.18		.139094	106943	PV	0.0000	
24	16.35		.179166	135222	VV	0.0000	
25	16.67		.225078	317845	VV	0.0000	
26	17.24		.132541	71566	VV	0.0000	
27	18.94		.145793	34413	BV	0.0000	
28	19.27	19.31	.215895	102639	VV	.9918	gamma-BHC (Lindane)
29	19.55		.198155	172312	VV	0.0000	
30	19.87	19.88	.220709	202661	VV	3.6729	beta-BHC
31	20.14		.150121	127779	VV	0.0000	
32	20.35		.210672	138810	VV	0.0000	
33	20.68		.158418	83179	VV	0.0000	
34	20.80		.126863	62493	VB	0.0000	
35	21.31		.179712	101749	BB	0.0000	
36	21.93		.233936	81726	BV	0.0000	
37	22.29		.249709	99973	VV	0.0000	
38	22.51		.122992	64586	VV	0.0000	
39	22.71		.158551	87515	VB	0.0000	

(Handwritten signature)

IEA Pesticide Standard Report

K#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	23.08		.207384	49107	BV	0.0000	
41	23.29		.098124	40964	VV	0.0000	
42	23.46		.103544	18681	VB	0.0000	
43	23.70		.098958	17711	BV	0.0000	
44	24.09		.143884	30922	VV	0.0000	
45	24.57		.110878	35811	BV	0.0000	
46	24.73		.114061	36167	VV	0.0000	
47	25.02	25.07	.128019	56302	VV	.6172	Heptachlor epoxide
48	25.18		.114247	79365	VV	0.0000	
49	26.36		.111659	53126	VV	0.0000	
50	25.53		.095076	157278	VV	0.0000	
51	25.69	25.72	.094415	50607	VV	.5201	gamma-Chlordane
52	25.89		.095401	233702	VV	0.0000	
53	26.10		.141935	105944	VB	0.0000	
54	26.49		.088299	32136	BV	0.0000	
55	26.66		.096969	15807	VV	0.0000	
56	26.86		.146235	92810	VV	0.0000	
57	27.04		.100344	110632	VV	0.0000	
58	27.23		.097683	59504	VV	0.0000	
59	27.40		.158158	495090	VV	0.0000	
60	27.61		.118032	156743	VV	0.0000	
61	27.88		.115712	726203	VV	0.0000	
62	28.06		.094834	155852	VV	0.0000	
63	28.24		.108734	828325	VV	0.0000	
64	28.75		.117456	332602	VV	0.0000	
65	28.96		.166591	501931	VV	0.0000	
66	29.25		.106803	401316	VV	0.0000	
67	29.37	29.32	.096696	643584	VV	9.9688	4,4'-DDT
68	29.55	29.50	.101715	434233	VV	7.3459	Endrin aldehyde
69	29.73		.133321	332877	VV	0.0000	
70	30.17	AR1260	.235248	193815	VB	0.0000	
71	30.65		.110172	453199	BV	0.0000	
72	30.96		.129101	351155	VV	0.0000	
73	31.28		.142798	1217219	VV	0.0000	
74	31.94		.173549	14117	PV	0.0000	
75	32.88		.133753	228885	BV	0.0000	
76	33.10		.176392	645612	VB	0.0000	
77	35.38		.174222	90128	VV	0.0000	
78	35.85		.272323	380060	VB	0.0000	
79	38.21		.176256	28359	BB	0.0000	

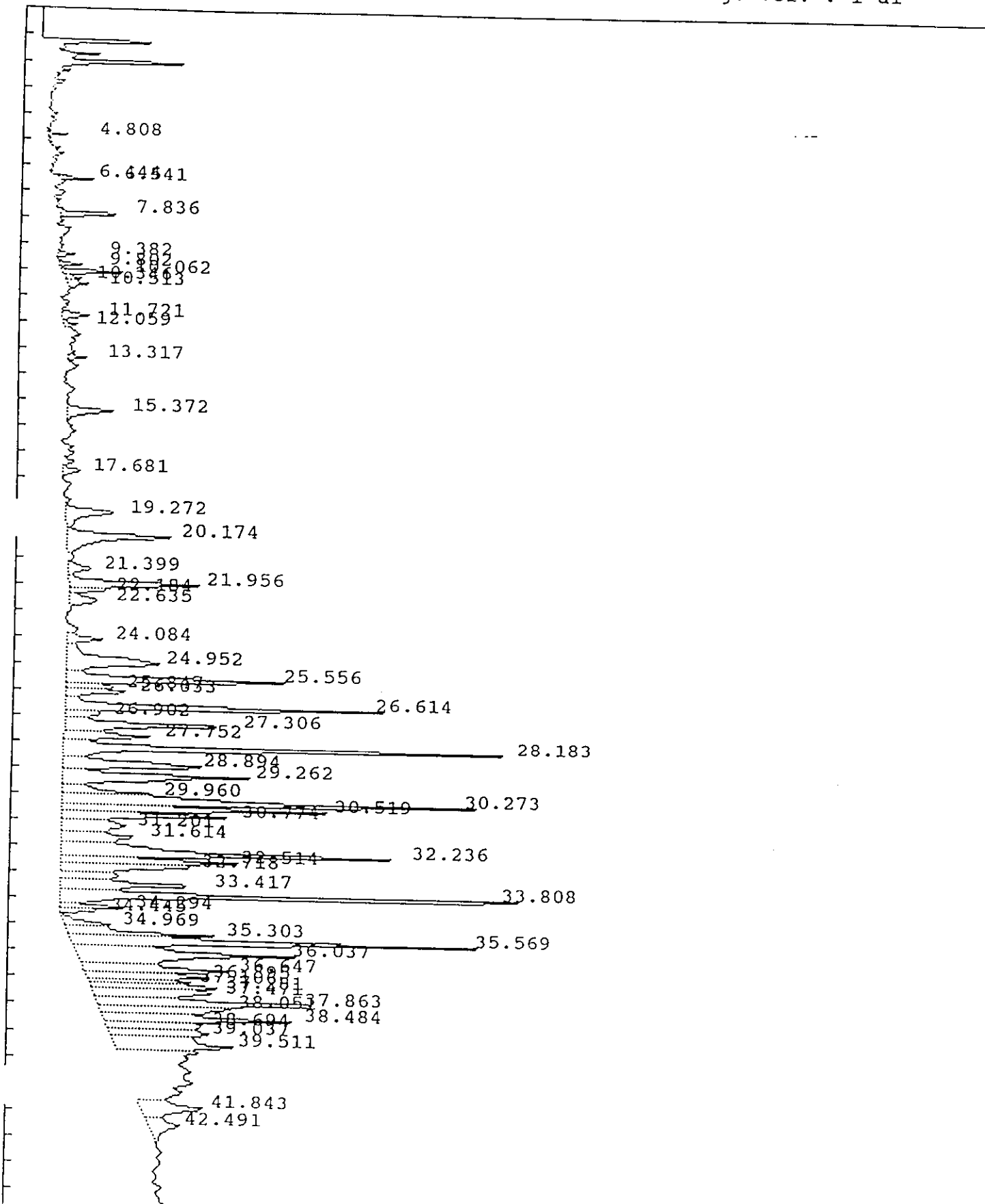
Total Area : 13137614 Total PPB : 23.411

Report Time : 1737 17Feb1993
 Method : /DATA/LOOP/METHOD/A1209_346.MT
 Result File : /DATA/LOOP/RESULT/A1209346.RES

IEA Pesticide Standard Report

Sample Name : 0060027 CS-1 DF=100
Result File : /DATA/LOOP/RESULT/B5041151.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1154 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060027 CS-1 DF=100 Report No : 107.00
 Result File : /DATA/LOOP/RESULT/B5041151.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 1154 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 52 Bottle no. : 52

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 EndOffBaseline
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.81		.061920	7228	VB	0.0000	
2	6.44		.058451	5703	BV	0.0000	
3	6.54		.063600	11552	VV	0.0000	
4	7.84	7.87	.107414	34044	BV	.7749	Tetrachloro-m-xylene
5	9.38		.136731	9787	BB	0.0000	
6	9.80		.107158	11803	BV	0.0000	
7	10.06		.130034	33354	VV	0.0000	
8	10.35		.139804	9740	VV	0.0000	
9	10.51		.146535	13844	VB	0.0000	
10	11.72		.173526	19364	PV	0.0000	
11	12.06		.125074	7740	VV	0.0000	
12	13.32		.106072	8689	VV	0.0000	
13	15.37		.221113	42948	BV	0.0000	
14	17.68		.187194	13665	VV	0.0000	
15	19.27	19.32	.332553	65245	VV	2.9074	delta-BHC
16	20.17		.294164	127497	VV	0.0000	
17	21.40		.253767	24326	VV	0.0000	
18	21.96		.200464	108367	VV	0.0000	
19	22.18		.157363	24763	VV	0.0000	
20	22.63		.302136	32447	VV	0.0000	
21	24.08	24.12	.192626	29613	VV	.7668	alpha-Chlordane
22	24.95		.415659	159142	VV	0.0000	
23	25.56		.193072	176176	VV	0.0000	
24	25.85		.158287	32197	VV	0.0000	
25	26.03		.199106	52687	VV	0.0000	
26	26.61		.174093	231606	VV	0.0000	
27	26.90		.193729	28904	VV	0.0000	
28	27.31	27.29	.227448	156114	VV	5.9431	Endrin
29	27.75		.209615	77065	VV	0.0000	
30	28.18		.172396	324981	VV	0.0000	
31	28.89		.245967	153496	VV	0.0000	
32	29.26		.248490	192987	VV	0.0000	
33	29.96		.200315	76152	VV	0.0000	
34	30.27		.192946	340459	VV	0.0000	
35	30.52		.158392	173148	VV	0.0000	
36	30.77		.172132	122526	VV	0.0000	
37	31.20		.403312	107396	VV	0.0000	
38	31.61		.282010	87537	VV	0.0000	

Ans/p

IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB
39	32.24		.224180	319800	VV	0.0000
40	32.51	<i>Se 12/20</i>	.203599	150086	VV	0.0000
41	32.72	32.78	.199231	104510	VV	6.4032
42	33.42		.237366	137380	VV	0.0000
43	33.81		.151213	341674	VV	0.0000
44	34.29		.140334	40244	VV	0.0000
45	34.44	34.45	.115163	17652	VV	.7889
46	34.97		.211727	39848	PV	0.0000
47	35.30		.188433	115419	VV	0.0000
48	35.57		.186085	315955	VV	0.0000
49	36.04		.341616	309263	VV	0.0000
50	36.65		.249885	150611	VV	0.0000
51	36.89		.178916	89705	VV	0.0000
52	37.11		.154002	64223	VV	0.0000
53	37.28		.174413	92118	VV	0.0000
54	37.47		.257523	126002	VV	0.0000
55	37.86		.212680	202450	VV	0.0000
56	38.05		.253908	135870	VV	0.0000
57	38.48		.198446	157013	VV	0.0000
58	38.69		.264206	101547	VV	0.0000
59	39.04		.260026	104919	VV	0.0000
60	39.51		.353872	172953	VV	0.0000
61	41.84		.398224	100804	VV	0.0000
62	42.49		.447389	55696	VV	0.0000

Name

~~Endrin aldehyde~~

~~Endosulfan sulfate~~

Ans/P

Total Area : 6580035 Total PPB : 17.584

Report Time : 1244 26Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041151.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB012693

0189

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) WATER

Lab Sample ID: 0060029

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

Lab File ID: B5037148.D

% Moisture: _____ decanted: (Y/N) _____

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 02/01/93

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 02/11/93

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

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

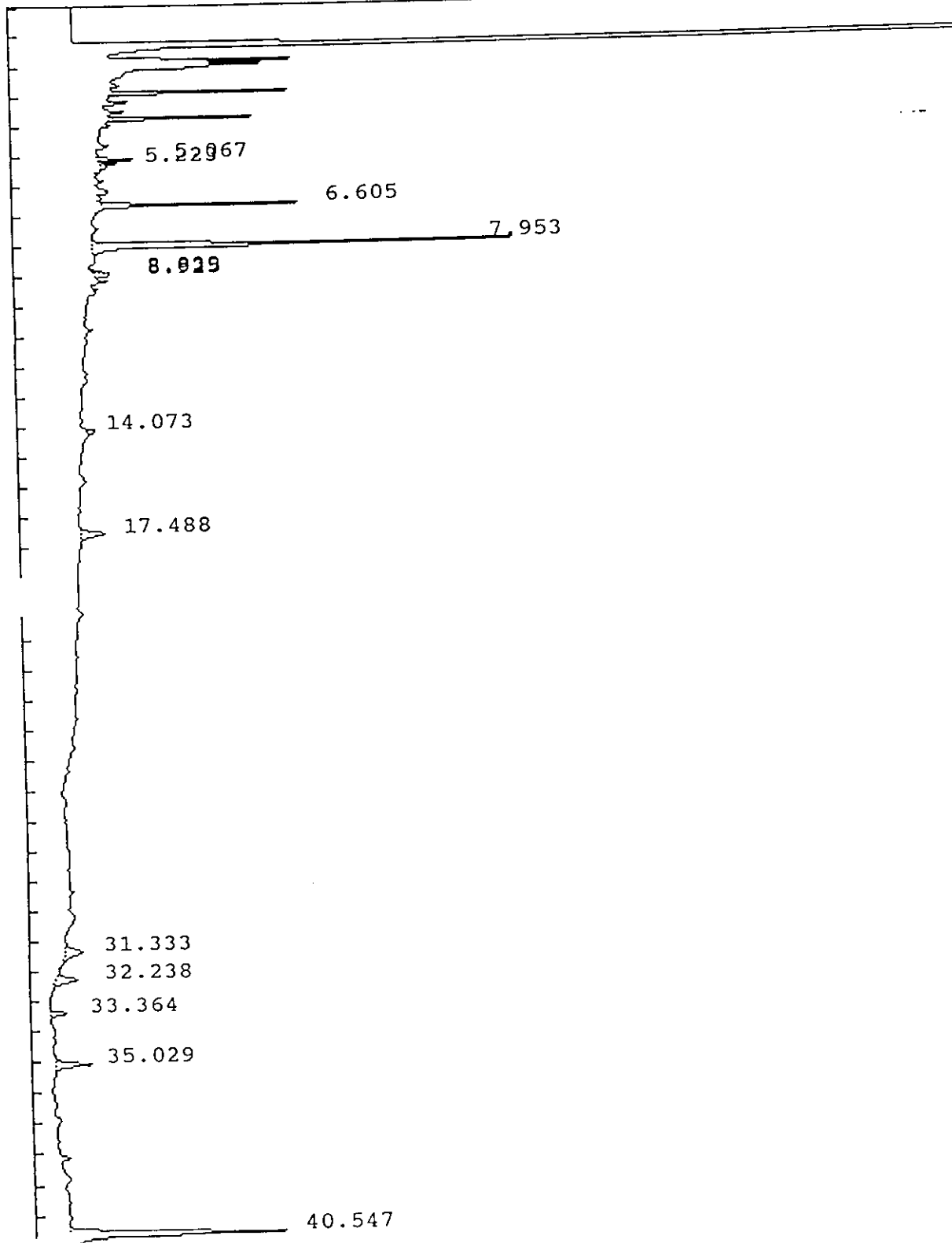
CAS NO.	COMPOUND	Q
12674-11-2-----	Aroclor-1016	1.0 U
11104-28-2-----	Aroclor-1221	2.0 U
11141-16-5-----	Aroclor-1232	1.0 U
53469-21-9-----	Aroclor-1242	1.0 U
12672-29-6-----	Aroclor-1248	1.0 U
11097-69-1-----	Aroclor-1254	1.0 U
11096-82-5-----	Aroclor-1260	1.0 U

IEA Pesticide Standard Report

0190

Sample Name : 0060029 FIELD BLANK
Result File : /DATA/LOOP/RESULT/B5037148.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1310 11Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul

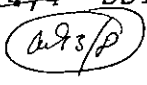


IEA Pesticide Standard Report

Sample Name : 0060029 FIELD BLANK Report No : 246.00
 Result File : /DATA/LOOP/RESULT/B5037148.RES Inj. Vol. : 1 ul
 Column Type : DB-1701 30 Meter, 0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 1310 11Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5037.SEQ
 Subseq/Sample : 2/ 49 Bottle no. : 49

% Dil-Fact
 100.00

Run Status : RunStatusOK

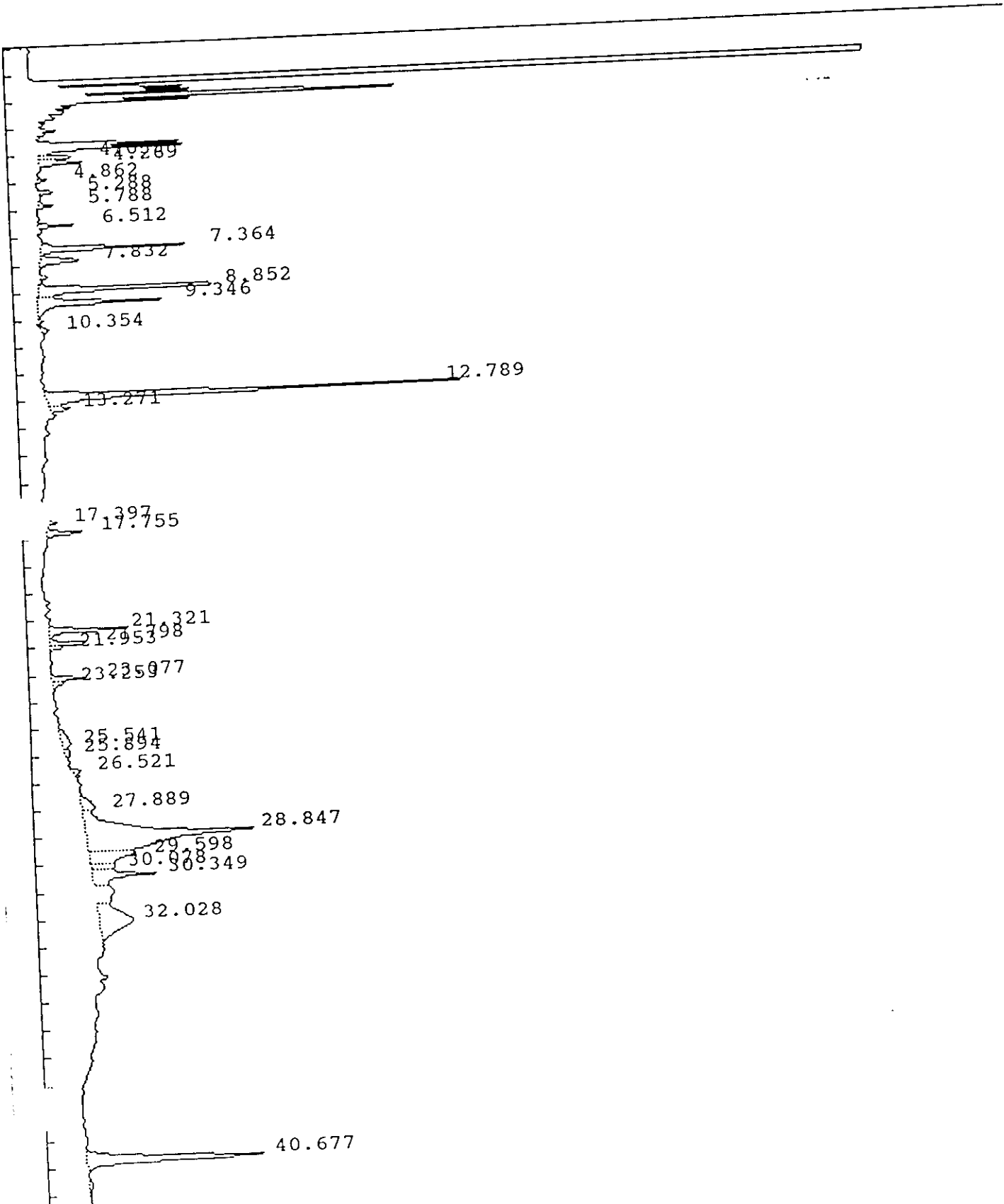
PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.07		.060941	11119	VV	0.0000	
2	5.22		.059116	5419	PV	0.0000	
3	6.60		.066643	61858	PV	0.0000	
4	7.95	7.94	.092743	178024	BV	.1607	Tetrachloro-m-xylene
5	8.84		.066480	5267	BV	0.0000	
6	8.92		.087215	5827	VV	0.0000	
7	14.07	14.05	.125783	6076	BB	.0054	Heptachlor
8	17.49		.182379	17535	BB	0.0000	
9	31.33	31.40	.248573	16879	BB	.0262	4,4'-DDT
10	32.24		.191987	16141	BB	0.0000	
11	33.36		.123234	8566	BB	0.0000	
12	35.03		.152993	21734	BB	0.0000	
13	40.55	#40.56	.171718	143635	BB	.1041	Decachlorobiphenyl

Total Area : 498079 Total PPB : .296

Report Time : 1358 11Feb1993
 Method : /DATA/LOOP/METHOD/B5037.MTH
 Result File : /DATA/LOOP/RESULT/B5037148.RES

IEA Pesticide Standard Report

Sample Name : 0060029 FIELD BLANK Inj on 1552 18Feb1993
Result File : /DATA/LOOP/RESULT/A1209373.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060029 FIELD BLANK
 Result File : /DATA/LOOP/RESULT/A1209373.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1552 18Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 76 Bottle no. : 76

Report No : 481.00

Inj. Vol. : 1 ul

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.03		.086519	46041	PH	0.0000	
2	4.27		.114664	64177	VV	0.0000	
3	4.86		.090587	12576	BB	0.0000	
4	5.29		.094544	22179	BV	0.0000	
5	5.79		.099160	19022	BB	0.0000	
6	6.51		.086584	39058	PV	0.0000	
7	7.36		.121035	212053	BV	0.0000	
8	7.83		.202518	90659	VB	0.0000	
9	8.85		.146923	362471	VV	0.0000	
10	9.35		.168555	250420	VV	0.0000	
11	10.35		.201373	19961	PV	0.0000	
12	12.79	12.77	.141721	707023	PV	.2235	Tetrachloro-m-xylene
13	13.27		.143226	35291	VV	0.0000	
14	17.40		.099694	15065	BB	0.0000	
15	17.75		.139156	59207	BB	0.0000	
16	21.32		.130481	133167	BV	0.0000	
17	21.80	21.78	.109324	63343	VV	.0226	delta-BHC
18	21.95		.105704	16380	VB	0.0000	
19	23.08		.118934	52343	BV	0.0000	
20	23.25		.157623	24058	VB	0.0000	
21	25.54		.490978	49703	PV	0.0000	
22	25.89		.304187	21007	VV	0.0000	
23	26.52		.212106	24538	PB	0.0000	
24	27.89		.366046	60046	PV	0.0000	
25	28.85		.518471	996753	VV	0.0000	
26	29.60		.308722	172358	VV	0.0000	
27	30.08	30.01	.228541	60465	VV	.0268	Endosulfan-sulfate
28	30.35		.222531	174206	VV	0.0000	
29	32.03	32.08	.806294	301153	VV	.3287	Methoxychlor
30	40.68	#40.67	.237620	475299	PV	.1194	Decachlorobiphenyl
31	43.95		1.202667	328240	VV	0.0000	
32	45.20		.443751	38087	VV	0.0000	

(Handwritten signature)

Total Area : 4946350 Total PPB : .721

Report Time : 1640 18Feb1993
 Method : /DATA/LOOP/METHOD/A1209.MTH
 Result File : /DATA/LOOP/RESULT/A1209373.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0194

MW7DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) ~~SOIL~~ OIL 022/9

Lab Sample ID: 0060030DL

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: B5041157.D

% Moisture: 0 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 02/12/93

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 02/26/93

Injection Volume: 1.0(uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

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

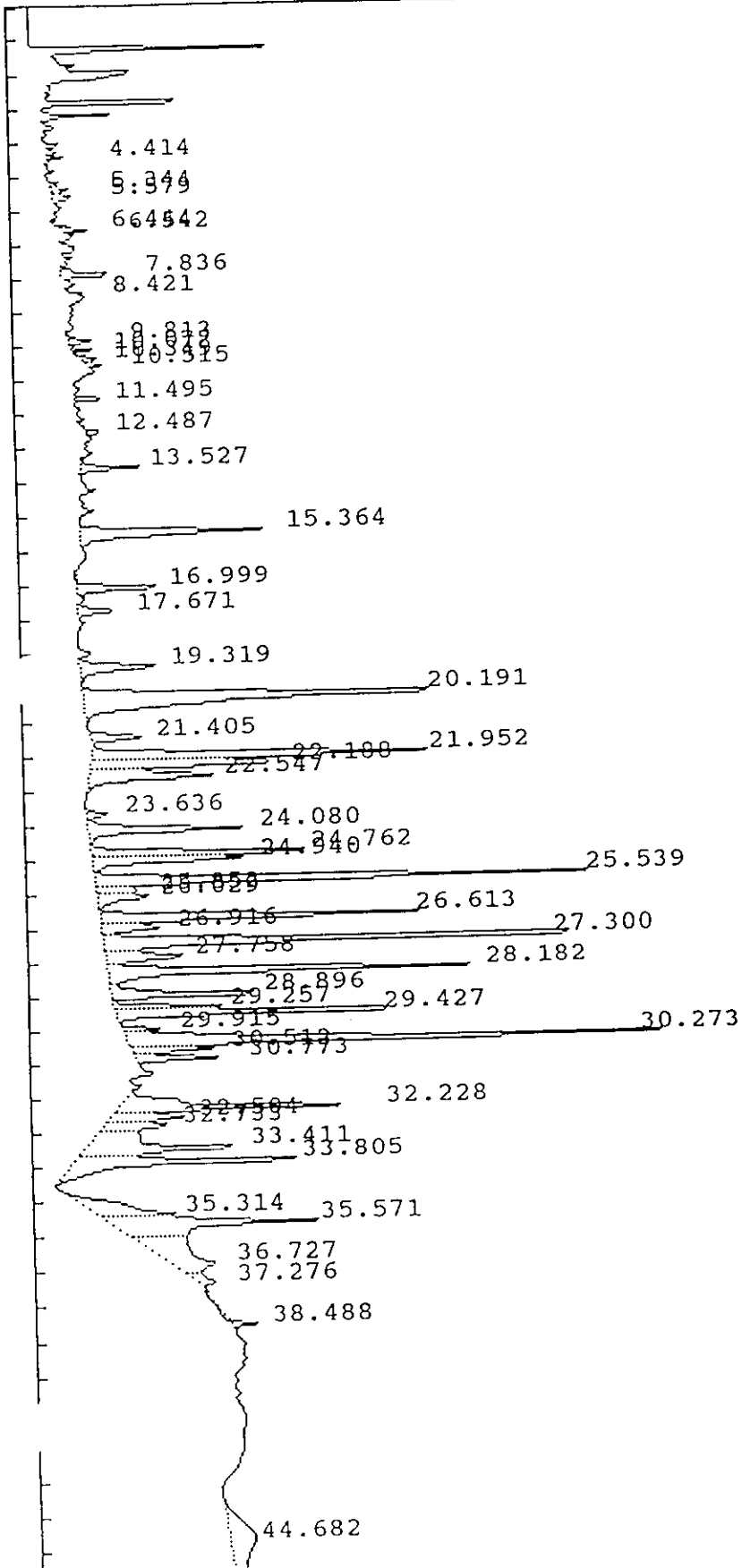
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	980000	U
11104-28-2-----	Aroclor-1221	2000000	U
11141-16-5-----	Aroclor-1232	980000	U
53469-21-9-----	Aroclor-1242	980000	U
12672-29-6-----	Aroclor-1248	930000	JPD
11097-69-1-----	Aroclor-1254	5500000	D
11096-82-5-----	Aroclor-1260	980000	U

0195

IEA Pesticide Standard Report

Sample Name : 0060030 MW-7 DF=1000
Result File : /DATA/LOOP/RESULT/B5041157.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1750 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060030 MW-7 DF=1000 Report No : 113.00
 Result File : /DATA/LOOP/RESULT/B5041157.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 1750 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 58 Bottle no. : 58 ...

% Dil-Fact
 100.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.41		.048361	3546	PV	0.0000	
2	5.34		.116277	6928	BV	0.0000	
3	5.58		.165183	10271	VV	0.0000	
4	6.44		.064635	3896	BV	0.0000	
5	6.54		.063106	6381	VV	0.0000	
6	7.84	7.87	.109308	24407	PV	.0167	Tetrachloro-m-xylene
7	8.42		.058368	1769	PV	0.0000	
8	9.81		.108133	9700	BV	0.0000	
9	10.07		.075527	6040	PV	0.0000	
10	10.35		.125083	6881	PV	0.0000	
11	10.51		.094348	4921	VV	0.0000	
12	11.50		.081096	10263	BV	0.0000	
13	12.49		.085644	5233	PV	0.0000	
14	13.53		.117841	23840	BB	0.0000	
15	15.36		.192559	115352	BB	0.0000	
16	17.00		.155119	43327	BV	0.0000	
17	17.67		.155423	18946	VV	0.0000	
18	19.32	19.32	.209340	52404	VB	.0701	delta-BHC
19	20.19		.285861	327664	BB	0.0000	
20	21.40		.170303	27857	BB	0.0000	
21	21.95		.185326	195178	BV	0.0000	
22	22.19		.191411	114515	VV	0.0000	
23	22.55		.237538	92724	VB	0.0000	
24	23.64	23.67	.170247	11609	BV	.0096	gamma-Chlordane
25	24.08	24.12	.188293	92393	VV	.0718	alpha-Chlordane
26	24.76		.158131	111684	VV	0.0000	
27	24.94		.173566	82429	VV	0.0000	
28	25.54		.162055	254486	VV	0.0000	
29	25.85		.145482	18348	VV	0.0000	
30	26.03		.207663	34993	VV	0.0000	
31	26.61		.163789	167725	VV	0.0000	
32	26.92		.168494	32500	VV	0.0000	
33	27.30	27.29	.164013	278919	VV	.3186	Endrin
34	27.76		.234470	59307	VV	0.0000	
35	28.18		.162276	193808	VV	0.0000	
36	28.90		.150225	82228	VV	0.0000	
37	29.26		.111463	39256	PV	0.0000	
38	29.43		.145412	149189	VV	0.0000	
39	29.92		.124691	15978	PV	0.0000	

IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	30.27		.164012	289954	VV	0.0000	
41	30.51		.140559	38305	VV	0.0000	
42	30.77		.136952	39745	VB	0.0000	
43	32.23		.184527	145187	BV	0.0000	
44	32.50		.167098	39336	VV	0.0000	
45	32.73	32.78	.231061	46164	VV	.0849	Endrin aldehyde
46	33.41		.294196	154809	VV	0.0000	
47	33.81		.186536	150514	VV	0.0000	
48	35.31		.341143	86789	PV	0.0000	
49	35.57		.284384	190705	VV	0.0000	
50	36.73		.861775	134104	VV	0.0000	
51	37.28		.269784	17931	VB	0.0000	
52	38.49		.049021	4214	BB	0.0000	
53	44.68		1.328360	102960	BB	0.0000	

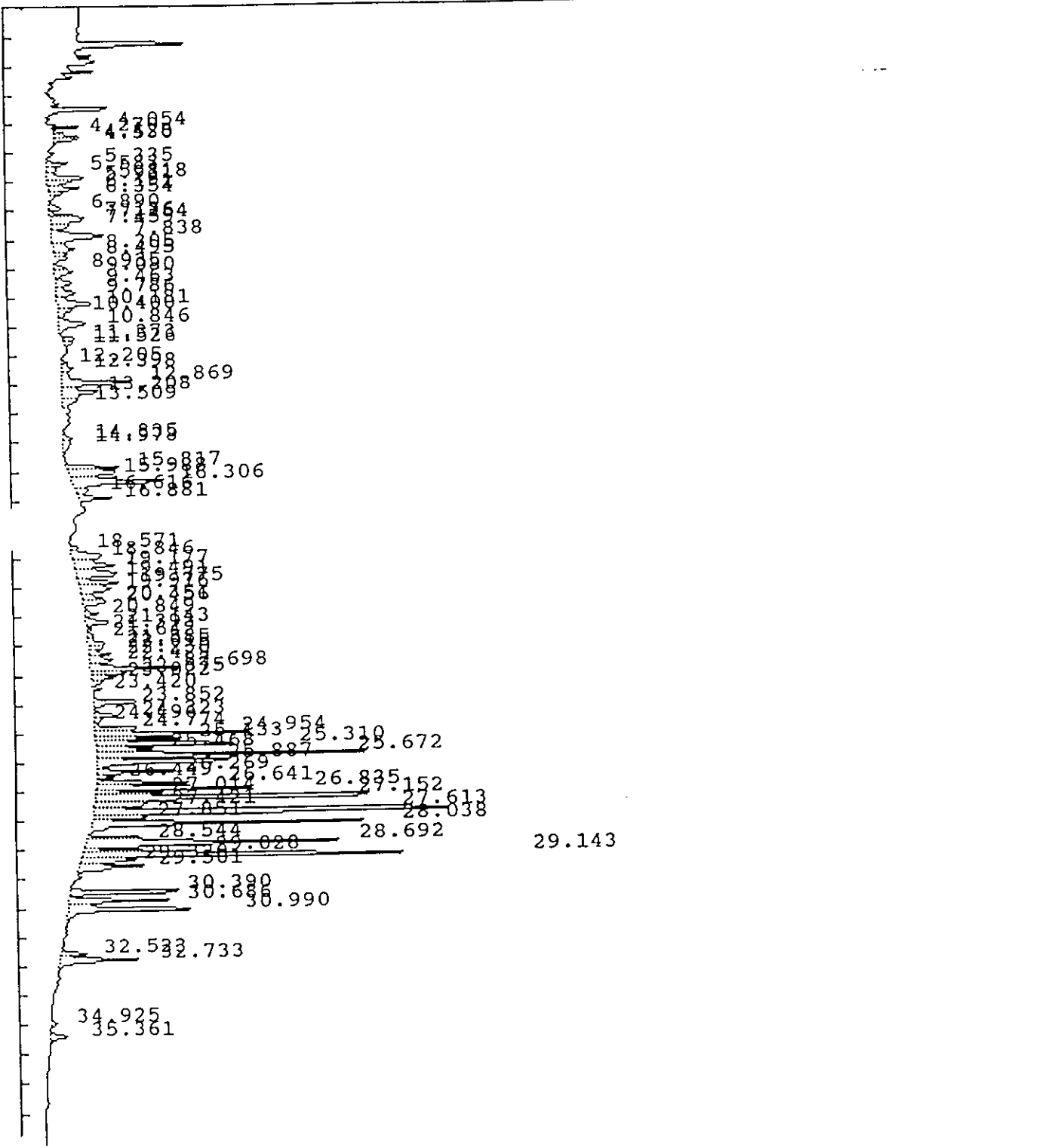
Total Area : 4177608 Total PPB : .572

Report Time : 1840 26Feb1993
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041157.RES

awg/p

EPA Pesticide Standard Report

Sample Name : 0060030 MW-7 DF=100 Inj on 2049 26Feb1993
Result File : /DATA/LOOP/RESULT/A1211029.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



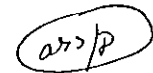
IEA Pesticide Standard Report

Sample Name : 0060030 MW-7 DF=100 Report No : 52.10
 Result File : /DATA/LOOP/RESULT/A1211029.RES
 Column Type : RTX-35 30 Meter,0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 2049 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1211.SEQ
 Subseq/Sample : 1/ 29 Bottle no. : 29

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.05		.050061	33242	PH	0.0000	
2	4.27		.090980	21661	PV	0.0000	
3	4.43		.089133	66409	VV	0.0000	
4	4.53		.072147	30583	VV	0.0000	
5	5.34		.114671	59587	PV	0.0000	
6	5.58		.160509	31050	VV	0.0000	
7	5.82		.129844	104801	VV	0.0000	
8	5.93		.135613	67037	VV	0.0000	
9	6.19		.140110	86985	VV	0.0000	
10	6.35		.102277	32752	VV	0.0000	
11	6.89		.160039	35995	VV	0.0000	
12	7.14		.095673	55915	VV	0.0000	
13	7.26		.174125	119698	VV	0.0000	
14	7.46		.177370	59847	VV	0.0000	
15	7.84		.251280	246221	VV	0.0000	
16	8.30		.210825	88892	VV	0.0000	
17	8.49		.110772	29113	VV	0.0000	
18	8.93		.116352	25019	VV	0.0000	
19	9.08		.181231	66967	VV	0.0000	
20	9.46		.195623	60636	VV	0.0000	
21	9.79		.206118	84341	VV	0.0000	
22	10.18		.218076	144526	VV	0.0000	
23	10.40		.200971	52790	VV	0.0000	
24	10.85		.241004	120517	VV	0.0000	
25	11.37		.118162	34828	PV	0.0000	
26	11.53		.132180	25096	VB	0.0000	
27	12.20		.120350	15153	BV	0.0000	
28	12.40		.173164	36617	VV	0.0000	
29	12.87		.155921	240455	VV	0.0000	
30	13.21		.189784	155519	VV	0.0000	
31	13.51		.212328	62046	VV	0.0000	
32	14.83		.162773	29464	PV	0.0000	
33	14.98		.270520	42343	VV	0.0000	
34	15.82		.129834	138259	BV	0.0000	
35	15.99		.168202	175109	VV	0.0000	
36	16.31		.176579	349308	VV	0.0000	
37	16.62	16.57	.167691	46914	VV	.3259	alpha-BHC
38	16.88		.120509	80402	VV	0.0000	
39	18.57		.117859	24336	BV	0.0000	



~~alpha-BHC~~

IEA Pesticide Standard Report

pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	18.85		.247010	139766	VV	0.0000	
41	19.18		.183466	150157	VV	0.0000	
42	19.49	19.53	.207041	184101	VV	2.1108	beta-BHC
43	19.77		.148900	124791	VV	0.0000	
44	19.98		.201905	125979	VV	0.0000	
45	20.35		.166317	74389	VV	0.0000	
46	20.46		.121162	53197	VB	0.0000	
47	20.85		.127153	32700	BV	0.0000	
48	21.14		.150465	75230	VV	0.0000	
49	21.39		.108554	12289	VV	0.0000	
50	21.64	<i>AK248</i>	.193184	20809	VV	0.0000	
51	21.88		.155676	52349	VV	0.0000	
52	22.01		.113721	34231	VV	0.0000	
53	22.23		.113785	51616	VV	0.0000	
54	22.43		.173063	80002	VV	0.0000	
55	22.70	22.73	.104528	202522	VV	1.6053	Aldrin
56	22.87		.106270	86203	VV	0.0000	
57	23.02		.131560	60060	VV	0.0000	
58	23.42		.105889	18137	VB	0.0000	
59	23.85		.111055	139846	BB	0.0000	
60	24.32		.106064	62733	BV	0.0000	
61	24.50		.117987	18776	VV	0.0000	
62	24.77		.096115	115601	VV	0.0000	
63	24.95		.095620	331730	VV	0.0000	
64	25.13		.094737	178584	VV	0.0000	
65	25.31		.088921	344578	VV	0.0000	
66	25.47	25.50	.123416	156018	VV	1.3798	gamma-Chlordane
67	25.67		.091757	543179	VV	0.0000	
68	25.89		.123415	402346	VV	0.0000	
69	26.27		.080570	141981	VV	0.0000	
70	26.45		.075702	31014	VB	0.0000	
71	26.64	<i>AK247</i>	.089057	200002	BV	0.0000	
72	26.83		.082974	339263	VV	0.0000	
73	27.01	26.95	.074110	142521	VV	1.3877	Dieldrin
74	27.15		.103032	848049	VV	0.0000	
75	27.42		.124039	133687	VV	0.0000	
76	27.61		.131902	1143023	VV	0.0000	
77	27.85	27.92	.079510	95600	VV	1.1822	Endrin
78	28.04		.094137	585090	VV	0.0000	
79	28.54		.068523	131273	BV	0.0000	
80	28.69		.129821	679296	VV	0.0000	<i>AK246</i>
81	29.03		.084738	218102	VV	0.0000	
82	29.14	29.11	.083665	730472	VV	10.2632	4,4'-DDT
83	29.32	29.27	.094388	124809	VV	1.7135	Endrin aldehyde
84	29.50		.130866	183805	VV	0.0000	
85	30.39		.095715	288487	BV	0.0000	
86	30.69		.106279	223331	VV	0.0000	
87	30.99		.130461	400370	VB	0.0000	
88	32.52		.116642	64310	PV	0.0000	
89	32.73		.138900	223723	VV	0.0000	
90	34.92		.133032	19586	BB	0.0000	
91	35.36		.155296	54110	BB	0.0000	

Total Area : 14054266 Total PPB : 19.968

Report Time : 1616 03Mar1993

Method : /DATA/LOOP/METHOD/A1211_029.MT
IEA Pesticide Standard Report
Result File : /DATA/LOOP/RESULT/A1211029.RES

0201

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: IEA/CT

Contract:

FILLCAP	0202
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Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) ~~SOIL~~ OIL 2.3/g

Lab Sample ID: 0060031

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: A1211030.D

% Moisture: 0 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 02/12/93

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 02/26/93

Injection Volume: 1.0 (uL)

Dilution Factor: 10.0

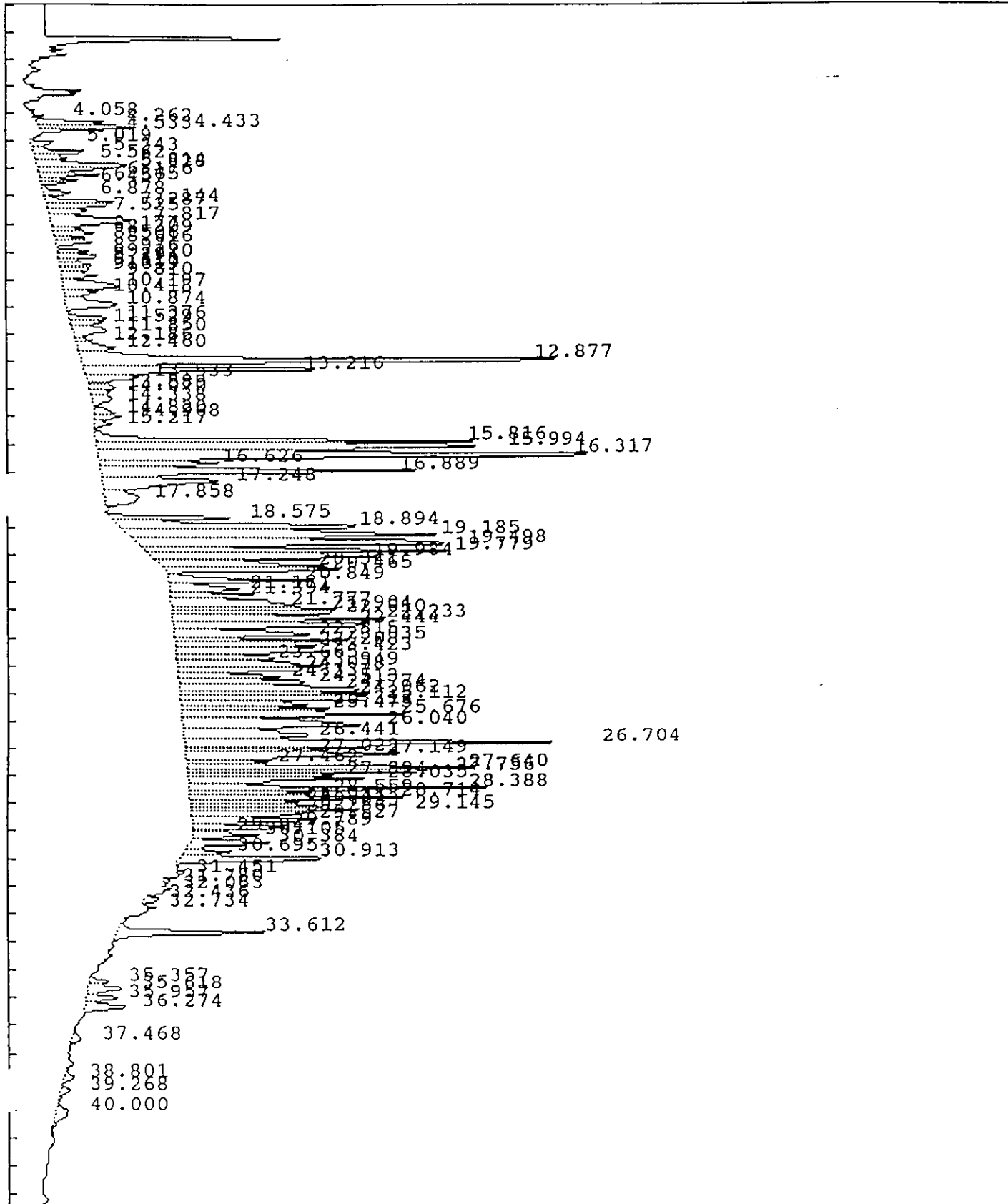
GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	9900	U
11104-28-2-----	Aroclor-1221	20000	U
11141-16-5-----	Aroclor-1232	9900	U
53469-21-9-----	Aroclor-1242	9900	U
12672-29-6-----	Aroclor-1248	9600	JP
11097-69-1-----	Aroclor-1254	47000	
11096-82-5-----	Aroclor-1260	9900	U

IEA Pesticide Standard Report

Sample Name : 0060031 FILLCAP DF=10 Inj on 2143 26Feb1993
Result File : /DATA/LOOP/RESULT/A1211030.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul

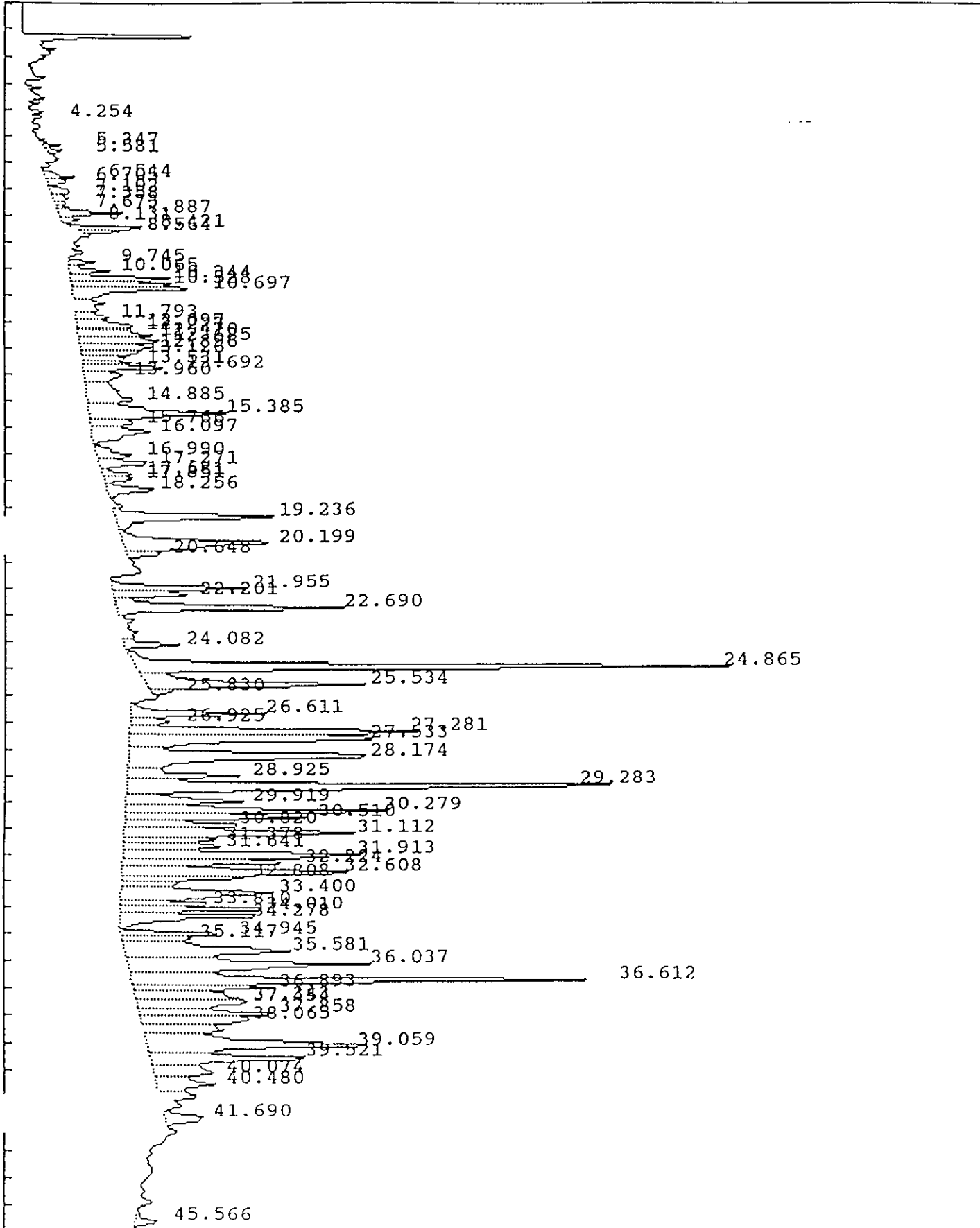


IEA Pesticide Standard Report

0204

Sample Name : 0060031 FILL CAP DF=10
Result File : /DATA/LOOP/RESULT/B5041165.RES
Column Type : DB-1701 30-Meter,0.53mm ID

Inj on 0104 27Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : 0060031 FILLCAP DF=10 Report No : 53.10
 Result File : /DATA/LOOP/RESULT/A1211030.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 2143 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1211.SEQ
 Subseq/Sample : 1/ 30 Bottle no. : 30

% Dil-Fact
 3333.00

Run Status : RunStatusOK
 EndOffBaseline

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.06		.057597	17373	BV	0.0000	
2	4.26		.145008	205987	PV	0.0000	
3	4.43		.088827	219056	VV	0.0000	
4	4.53		.076377	108912	VV	0.0000	
5	5.02		.149417	77465	BV	0.0000	
6	5.34		.153930	176211	VV	0.0000	
7	5.56		.143817	91086	VV	0.0000	
8	5.81		.147238	297869	VV	0.0000	
9	5.93		.132834	210139	VV	0.0000	
10	6.18		.123387	159360	VV	0.0000	
11	6.37		.101167	82681	VV	0.0000	
12	6.46		.090862	48275	VB	0.0000	
13	6.88		.179014	100202	BV	0.0000	
14	7.14		.140535	204860	VV	0.0000	
15	7.29		.145813	181509	VV	0.0000	
16	7.53		.173253	137180	VV	0.0000	
17	7.82		.299611	485085	VV	0.0000	
18	8.18		.104616	59831	VV	0.0000	
19	8.31		.154691	130324	VV	0.0000	
20	8.51		.103839	65746	VV	0.0000	
21	8.62		.129796	98804	VB	0.0000	
22	8.94		.119797	78285	BV	0.0000	
23	9.12		.153721	133386	VV	0.0000	
24	9.29		.079200	29421	VV	0.0000	
25	9.41		.116076	74252	VV	0.0000	
26	9.51		.097864	59023	VV	0.0000	
27	9.62		.116264	66653	VV	0.0000	
28	9.81		.158349	115029	VV	0.0000	
29	10.20		.285459	315672	VV	0.0000	
30	10.42		.170146	121426	VV	0.0000	
31	10.87		.313403	308156	VB	0.0000	
32	11.38		.149516	116127	BV	0.0000	
33	11.53		.144010	96564	VV	0.0000	
34	11.85		.298996	205974	VV	0.0000	
35	12.19		.111869	39458	VV	0.0000	
36	12.46	12.46	.220121	170164	VV	1.3258	Tetrachloro-m-xylene
37	12.88		.182897	1881542	VV	0.0000	
38	13.22		.166676	906821	VV	0.0000	
39	13.53		.174612	193405	VV	0.0000	

IEA Pesticide Standard Report

K#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
40	13.89		.146803	80753	VV	0.0000	
41	14.07		.145987	62833	VV	0.0000	
42	14.34		.276288	111328	VB	0.0000	
43	14.82		.192562	84169	BV	0.0000	
44	14.97		.163503	87869	VV	0.0000	
45	15.22		.135670	55893	VB	0.0000	
46	15.82		.143664	1096342	BV	0.0000	
47	15.99		.181814	1462383	VV	0.0000	
48	16.32		.210299	2201430	VV	0.0000	
49	16.63		.178349	430189	VV	0.0000	
50	16.89		.171667	1099046	VV	0.0000	
51	17.25		.267043	662545	VV	0.0000	
52	17.86		.410360	290071	VV	0.0000	
53	18.58		.133377	356147	BV	0.0000	
54	18.89		.218957	1029737	VV	0.0000	
55	19.18		.212571	1311835	VV	0.0000	
56	19.50	19.53	.239035	1538404	VV	17.6385	beta-BHC
57	19.78		.156195	959915	VV	0.0000	
58	19.98		.186384	824617	VV	0.0000	
59	20.34		.192343	666848	VV	0.0000	
60	20.47		.121511	446963	VB	0.0000	
61	20.85		.141540	417181	BV	0.0000	
62	21.17	21.22	.217300	301041	VV	2.6920	Heptachlor
63	21.39		.129703	236585	VV	0.0000	
64	21.78		.261808	625970	VV	0.0000	
65	21.90		.119166	387951	VV	0.0000	
66	22.01		.116598	405982	VV	0.0000	
67	22.23		.163126	702777	VV	0.0000	
68	22.44		.203410	773438	VV	0.0000	
69	22.82		.211239	578371	VV	0.0000	
70	23.04		.121428	442786	VV	0.0000	
71	23.21		.139145	391690	VV	0.0000	
72	23.42		.201055	628935	VV	0.0000	
73	23.66		.175111	341494	VV	0.0000	
74	23.95		.214112	615402	VV	0.0000	
75	24.08		.126432	311703	VV	0.0000	
76	24.34		.170503	348826	VV	0.0000	
77	24.51		.151703	406009	VV	0.0000	
78	24.77		.203543	789915	VV	0.0000	
79	24.96		.122513	492419	VV	0.0000	
80	25.11		.150619	625357	VV	0.0000	
81	25.31		.113592	332237	VV	0.0000	
82	25.47	25.50	.122205	362468	VV	3.2056	gamma-Chlordane
83	25.68		.169027	799455	VV	0.0000	
84	26.04	26.04	.241875	981585	VV	10.5027	Endosulfan I
85	26.44		.281620	724609	VV	0.0000	
86	26.70	26.72	.180270	1542104	VV	14.1863	4,4'-DDE
87	27.02		.107143	318370	VV	0.0000	
88	27.15		.151620	798922	VV	0.0000	
89	27.46		.121677	198796	VV	0.0000	
90	27.64		.144191	802792	VV	0.0000	
91	27.76		.098048	528142	VV	0.0000	
92	27.89	27.92	.103231	330104	VV	4.0823	Endrin
93	28.03		.150025	596470	VV	0.0000	
94	28.39	28.43	.112629	763316	VV	8.6662	Endosulfan II

Acc/P

IEA Pesticide Standard Report

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
95	28.56		.096293	262358	VV	0.0000	
96	28.71		.152533	628802	VV	0.0000	
97	28.93		.138920	299530	VV	0.0000	
98	29.03		.083984	231211	VV	0.0000	
99	29.14	29.11	.083207	364869	VV	5.1264	4,4'-DDT
100	29.26	29.27	.162273	436338	VV	5.9903	Endrin aldehyde
101	29.53		.127918	391492	VV	0.0000	
102	29.79	29.77	.119803	271717	VV	3.4584	Endosulfan sulfate
103	29.95		.074917	50947	VV	0.0000	
104	30.10		.129347	179391	VB	0.0000	
105	30.38		.158097	284384	BV	0.0000	
106	30.69		.130367	126792	VV	0.0000	
107	30.91		.179837	563143	VB	0.0000	
108	31.45		.088156	19804	PV	0.0000	
109	31.78	31.78	.079552	13666	BV	.3848	Methoxychlor
110	32.06		.096168	20807	PV	0.0000	
111	32.44		.185230	51212	BB	0.0000	
112	32.73		.077440	19439	BV	0.0000	
113	33.61		.153229	476252	BB	0.0000	
114	35.36		.166309	68258	BV	0.0000	
115	35.62		.196987	143065	VV	0.0000	
116	35.96		.160145	109767	VV	0.0000	
117	36.27		.217215	178087	VB	0.0000	
118	37.47		.236430	48168	BV	0.0000	
119	38.80		.207307	39861	BV	0.0000	
120	39.27		.238889	44680	PV	0.0000	
21	40.00	#40.03	.425047	105902	VB	.8251	Decachlorobiphenyl

Total Area : 47261776 Total PPB : 78.084

Report Time : 1630 03Mar1993
 Method : /DATA/LOOP/METHOD/A1211_030.MT
 Result File : /DATA/LOOP/RESULT/A1211030.RES

IEA Pesticide Standard Report

Sample Name : 0060031 FILL CAP DF=10 Report No : 121.10
 Result File : /DATA/LOOP/RESULT/B5041165.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 0104 27Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 66 Bottle no. : 66

% Dil-Fact
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.25		.072853	4358	PV	0.0000	
2	5.35		.101779	8357	PV	0.0000	
3	5.58		.127881	8091	VV	0.0000	
4	6.54		.130649	18076	BV	0.0000	
5	6.71		.180829	15159	VV	0.0000	
6	7.10		.253474	19119	VV	0.0000	
7	7.36		.164340	11168	VV	0.0000	
8	7.67		.087121	4949	VV	0.0000	
9	7.89	7.87	.140221	39675	VV	.0271	Tetrachloro-m-xylene
10	8.13		.152145	11158	VB	0.0000	
11	8.42		.122137	39216	BV	0.0000	
12	8.56		.099459	19023	VV	0.0000	
13	9.74		.145118	17102	BV	0.0000	
14	10.06		.151289	26325	VV	0.0000	
15	10.34		.178115	72570	VV	0.0000	
16	10.53		.159129	64282	VV	0.0000	
17	10.70		.201672	107539	VV	0.0000	
18	11.79		.238750	31017	VV	0.0000	
19	12.10		.220225	51417	VV	0.0000	
20	12.23		.102684	24481	VV	0.0000	
21	12.47		.208819	63695	VV	0.0000	
22	12.69		.226308	73880	VV	0.0000	
23	12.90	12.90	.208713	62157	VV	.0654	gamma-BHC (Lindane)
24	13.13		.173022	39877	VV	0.0000	
25	13.53		.123689	24835	VV	0.0000	
26	13.69		.152994	56873	VV	0.0000	
27	13.96	13.94	.344158	52701	VV	.0440	Heptachlor
28	14.88		.495303	97832	VV	0.0000	
29	15.38		.314720	177078	VV	0.0000	
30	15.77		.198912	34989	VV	0.0000	
31	16.10	<i>At 1248</i>	.357990	86426	VB	0.0000	
32	16.99		.275538	40893	BV	0.0000	
33	17.27		.196239	41355	VV	0.0000	
34	17.68		.174525	21541	VV	0.0000	
35	17.85		.169809	20034	VV	0.0000	
36	18.26		.253260	49315	VV	0.0000	
37	19.24		.233600	149213	VV	0.0000	
38	20.20		.317972	192032	VV	0.0000	
39	20.65	20.69	.178077	24815	VV	.0254	Heptachlor epoxide
40	21.96		.193403	105626	BV	0.0000	

(Handwritten signature/initials)

IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	22.20		.182121	55181	VV	0.0000	
42	22.69		.218178	201904	VV	0.0000	
43	24.08	24.12	.162121	36984	VV	.0287	alpha-Chlordane
44	24.86		.204532	501524	PV	0.0000	
45	<u>25.53</u>		.233323	210428	VV	0.0000	
46	25.83		.121805	11151	VV	0.0000	
47	<u>26.61</u>	<i>Ar 1254</i>	.181203	99529	BV	0.0000	
48	<u>26.93</u>		.196657	31252	VV	0.0000	
49	<u>27.28</u>	27.29	.209228	243289	VV	.2779	Endrin
50	<u>27.53</u>		.281244	269342	VV	0.0000	
51	28.17		.334100	324656	VV	0.0000	
52	28.93		.227196	103671	VV	0.0000	
53	29.28		.228874	487482	VV	0.0000	
54	29.92		.229393	109218	VV	0.0000	
55	30.28		.189000	213525	VV	0.0000	
56	30.51		.179211	133286	VV	0.0000	
57	30.82		.196916	94457	VV	0.0000	
58	31.11		.227811	210743	VV	0.0000	
59	31.38		.164190	60661	VV	0.0000	
60	31.64		.229934	89002	VV	0.0000	
61	31.91		.255126	246577	VV	0.0000	
62	32.22		.178197	120710	VV	0.0000	
63	32.61		.246797	229552	VV	0.0000	
64	32.81	32.78	.155760	78760	VV	.1448	Endrin aldehyde
65	33.40		.324158	198243	VV	0.0000	
66	33.81		.137631	55486	VV	0.0000	
67	34.01		.153509	103041	VV	0.0000	
68	34.28		.217123	136224	VB	0.0000	
69	34.94		.159215	67455	BV	0.0000	
70	35.12		.156906	43549	VV	0.0000	
71	35.58		.373766	250064	VV	0.0000	
72	36.04		.299364	296430	VV	0.0000	
73	36.61		.195667	387949	VV	0.0000	
74	36.89		.162709	91489	VV	0.0000	
75	37.34		.319427	135201	VV	0.0000	
76	37.45		.258310	113042	VV	0.0000	
77	37.86		.207974	117172	VV	0.0000	
78	38.06		.294724	128079	VV	0.0000	
79	39.06		.360033	337161	VV	0.0000	
80	39.52		.233972	158566	VV	0.0000	
81	40.07		.356005	84926	VV	0.0000	
82	40.48	#40.48	.325946	76465	VV	.0590	Decachlorobiphenyl
83	41.69		.332633	50513	VB	0.0000	
84	45.57		.224355	20383	BB	0.0000	

Total Area : 9022570 Total PPB : .672

Report Time : 2256 02Mar1993
Method : /DATA/LOOP/METHOD/B5041_165.MT
Result File : /DATA/LOOP/RESULT/B5041165.RES

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FILLCAPDL 0210

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Matrix: (soil/water) ~~SOIL~~ OIL 02/1/9

Lab Sample ID: 0600031DL

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: A1209406.D

% Moisture: 0 decanted: (Y/N) N

Date Received: 01/27/93

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 02/12/93

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 02/20/93

Injection Volume: 1.0(uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: _____

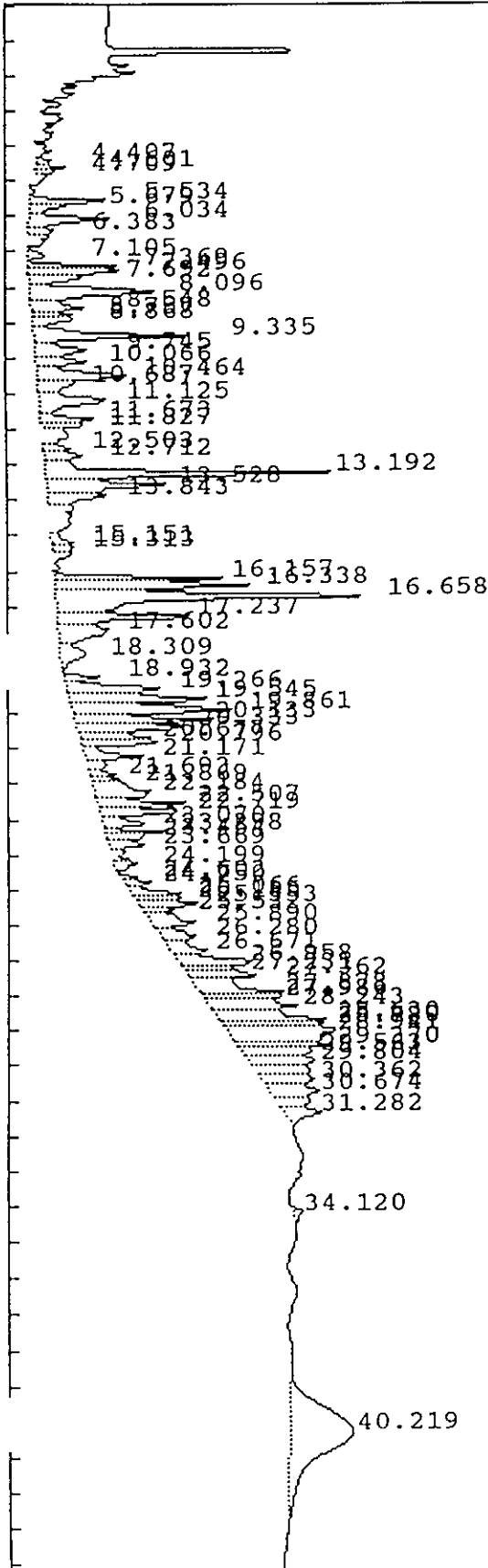
Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	99000	U
11104-28-2-----	Aroclor-1221	200000	U
11141-16-5-----	Aroclor-1232	99000	U
53469-21-9-----	Aroclor-1242	99000	U
12672-29-6-----	Aroclor-1248	99000	U
11097-69-1-----	Aroclor-1254	60000	JPD
11096-82-5-----	Aroclor-1260	99000	U

IEA Pesticide Standard Report

Sample Name : 0600031 FILL CUP DF=100 Inj on 0343 20Feb1993
Result File : /DATA/LOOP/RESULT/A1209406.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



0212

IEA Pesticide Standard Report
 Sample Name : 0600031 FILL CUP DF=100
 Result File : /DATA/LOOP/RESULT/A1209406.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0343 20Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 5/ 10
 Bottle no. : 10

Report No : 515.00
 Inj. Vol. : 1 ul

% Dil-Fact
 100.00

Run Status : RunStatusOK
 EndOffBaseline
 NoReference

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.41		.138713	20340	PV	0.0000	
2	4.60		.089040	26619	VV	0.0000	
3	4.71		.085059	17341	VV	0.0000	
4	5.53		.125212	96059	PV	0.0000	
5	5.68		.144027	47014	VV	0.0000	
6	6.03		.189558	147008	VV	0.0000	
7	6.38		.166023	40105	VV	0.0000	
8	7.11		.178258	29387	PV	0.0000	
9	7.37		.103981	86523	VV	0.0000	
10	7.50		.168643	138437	VV	0.0000	
11	7.69		.176070	83508	VV	0.0000	
12	8.10		.266618	295030	VV	0.0000	
13	8.55		.202573	99308	VV	0.0000	
14	8.76		.113849	42129	VV	0.0000	
15	8.87		.173768	67762	VV	0.0000	
16	9.34		.168002	248302	VV	0.0000	
17	9.74		.267146	125797	VV	0.0000	
18	10.07		.183789	85426	VV	0.0000	
19	10.46		.245140	196986	VV	0.0000	
20	10.69		.243471	82412	VV	0.0000	
21	11.13		.306438	180078	VV	0.0000	
22	11.67		.146166	71876	VV	0.0000	
23	11.83		.155420	61715	VV	0.0000	
24	12.50		.145170	36234	VV	0.0000	
25	12.71		.202498	72172	VV	0.0000	
26	13.19		.173244	479739	VV	0.0000	
27	13.53		.206082	241874	VV	0.0000	
28	13.84		.229852	122364	VV	0.0000	
29	15.15		.190163	38216	VV	0.0000	
30	15.31		.143345	29329	VV	0.0000	
31	16.16		.128718	203625	VV	0.0000	
32	16.34		.171704	315297	VV	0.0000	
33	16.66		.237279	716384	VV	0.0000	
34	17.24		.186973	259469	VV	0.0000	
35	17.60		.368531	164292	VV	0.0000	
36	18.31		.408437	93653	VV	0.0000	
37	18.93		.135189	46405	PV	0.0000	
38	19.27	19.31	.204067	173403	VV	0.0000	
						.0503	

gamma-BHC (Lindane)

0213

PK#	RT	ID-tm	IEA Peak Width	Area	Code	PPB
39	19.54		.199934	265452	VV	0.0000
40	19.86	19.88	.223556	333323	VV	.1812
41	20.13		.160090	212544	VV	0.0000
42	20.33		.195344	193414	VV	0.0000
43	20.68		.181932	130486	VV	0.0000
44	20.80		.122507	89914	VV	0.0000
45	21.17		.178934	100251	VV	0.0000
46	21.69		.136740	32454	VV	0.0000
47	21.87		.118236	33960	VV	0.0000
48	22.18		.319800	173101	VV	0.0000
49	22.51		.138953	119556	VV	0.0000
50	22.72		.191144	141229	VV	0.0000
51	23.07		.190846	76587	VV	0.0000
52	23.30		.108037	65097	VV	0.0000
53	23.45		.133438	51418	VV	0.0000
54	23.67		.155276	56292	VV	0.0000
55	24.20		.169993	40001	VV	0.0000
56	24.60		.113858	17831	PV	0.0000
57	24.75		.132388	36432	VV	0.0000
58	25.07	25.07	.164360	77370	VV	.0254
59	25.19		.114420	53126	VV	0.0000
60	25.35		.150582	88213	VV	0.0000
61	25.53		.107753	33097	VV	0.0000
62	25.89		.242844	116083	VV	0.0000
63	26.28	26.25	.278108	92736	VV	.0343
64	26.67		.257354	87627	VV	0.0000
65	26.96	26.93	.263840	182391	VV	.0687
66	27.23		.117719	57635	VV	0.0000
67	27.36	A121254	.138066	99213	VV	0.0000
68	27.88		.288524	228628	VV	0.0000
69	27.99		.126277	90346	VV	0.0000
70	28.24		.221697	182758	VV	0.0000
71	28.63	28.63	.267900	261338	VV	.1044
72	28.78		.126811	117002	VV	0.0000
73	28.94		.399600	396425	VV	0.0000
74	29.37	29.32	.128397	115642	VV	.0537
75	29.56	29.50	.214680	134850	VV	.0684
76	29.80		.258715	157428	VV	0.0000
77	30.36		.262062	127613	VV	0.0000
78	30.67		.286423	137089	VV	0.0000
79	31.28		.273351	97786	VV	0.0000
80	34.12		.240845	22775	BB	0.0000
81	40.22		1.543137	880169	BB	0.0000

Name

~~beta-BHC~~

(Handwritten circle around 25.53/25.89)

~~Heptachlor-epoxide~~

~~Endosulfan-I~~

~~4,4'-DDE~~

~~Endosulfan-II~~

~~4,4'-DDT~~

~~Endrin aldehyde~~

Total Area : 11288302 Total PPB : .587

Report Time : 0430 20Feb1993

Method : /DATA/LOOP/METHOD/A1209.MTH

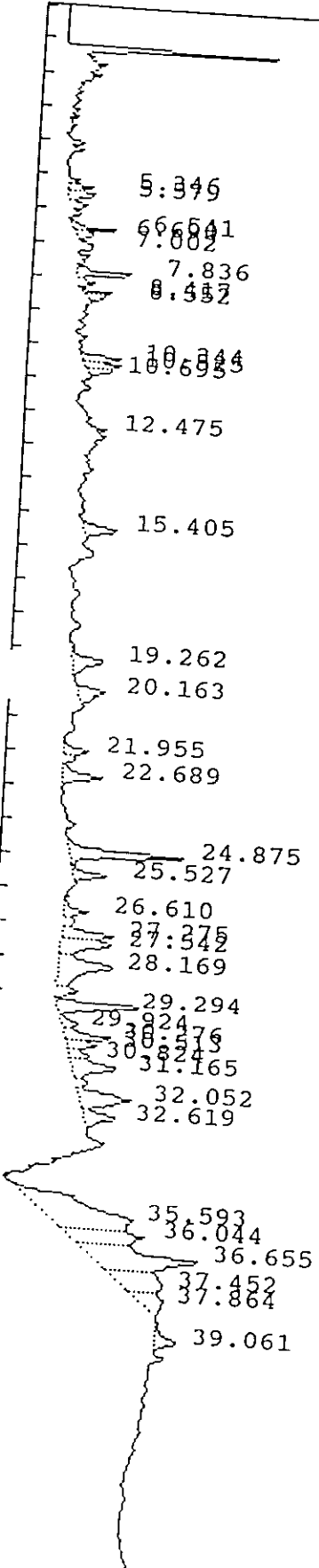
Result File : /DATA/LOOP/RESULT/A1209406.RES

0214

IEA Pesticide Standard Report

Sample Name : 0060031
Result File : /DATA/LOOP/RESULT/B5041158.RES
Column Type : DB-1701 30-Meter, 0.53mm ID

Inj on 1844 26Feb1993
INSTRUMENT: HP58905B
Inj. Vol. : 1 ul



IEA Pesticide Standard Report
 Sample Name : 0060031 FILL CAP DF=100
 Result File : /DATA/LOOP/RESULT/B5041158.RES
 Column Type : DB-1701 30 Meter, 0.53mm ID
 Instrument : HP58905B
 Calculation : ExternalSTD
 Run Time : 46.50 Mins. Injected on 1844 26Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/B5041.SEQ
 Subseq/Sample : 2/ 59
 Bottle no. : 59

Report No : 114.00
 Inj. Vol. : 1 ul

% Dil-Fact
 100.00

Run Status : RunStatusOK
 NoReference

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	5.35		.128534	10704	VV	0.0000	
2	5.58		.190511	16905	VV	0.0000	
3	6.54		.090724	15043	PV	0.0000	
4	6.69		.170666	10451	VV	0.0000	
5	7.00		.088477	1816	PV	0.0000	
6	7.84	7.87	.104152	28448	PV	.0194	
7	8.42		.104620	11290	PV	0.0000	
8	8.55		.119262	7161	VV	0.0000	
9	10.34		.156517	20625	BV	0.0000	
10	10.53		.146984	17269	VV	0.0000	
11	10.70		.133371	12279	VV	0.0000	
12	12.47		.127325	6000	BV	0.0000	
13	15.41		.236630	25160	BV	0.0000	
14	19.26		.323831	33303	BB	0.0000	
15	20.16		.306615	28014	BV	0.0000	
16	21.95		.206720	16419	PV	0.0000	
17	22.69		.225872	29048	VV	0.0000	
18	24.87		.211900	77932	PV	0.0000	
19	<u>25.53</u>		.185590	20143	VV	0.0000	
20	<u>26.61</u>	27.29	.197157	14700	BV	0.0000	
21	<u>27.28</u>		.215221	35024	VV	.0400	
22	<u>27.54</u>		.302043	48819	VV	0.0000	
23	28.17		.446843	77233	VV	0.0000	
24	29.29		.216223	61633	PV	0.0000	
25	29.92		.224332	11931	VV	0.0000	
26	30.28		.194407	30578	VV	0.0000	
27	30.51		.187077	18903	VV	0.0000	
28	30.82		.193575	12404	VV	0.0000	
29	31.17		.327579	45919	VV	0.0000	
30	32.05		.335642	57146	VV	0.0000	
31	32.62		.277388	28103	VB	0.0000	
32	35.59		.774577	208752	PV	0.0000	
33	36.04		.353916	87638	VV	0.0000	
34	36.65		.479123	162460	VV	0.0000	
35	37.45		.627734	81474	VV	0.0000	
36	37.86		.453925	39110	VB	0.0000	
37	39.06		.303112	22100	BV	0.0000	

~~Tetrachloro-m-xylene~~

(Handwritten signature)

~~Endrin~~

Total Area : 1431934
 Total PPB : .059

Report Time : 1934 26Feb1993
 IEA Pesticide Standard Report
Method : /DATA/LOOP/METHOD/B5041.MTH
Result File : /DATA/LOOP/RESULT/B5041158.RES

6D
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

0 0217

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 Instrument ID: HP58901A Level (x low): low 1.0 mid 4.0 high 16.0
 GC Column: RTX-35 ID: 0.53 (mm) Date(s) Analyzed: 01/31/93

COMPOUND	RT OF STANDARDS			MEAN RT	RT WINDOW	
	LOW	MID	HIGH		FROM	TO
alpha-BHC	16.90	16.90	16.92	16.91	16.86	16.96
beta-BHC	19.87	19.89	19.89	19.88	19.83	19.93
delta-BHC	21.77	21.78	21.79	21.78	21.73	21.83
gamma-BHC (Lindane)	19.30	19.31	19.32	19.31	19.26	19.36
Heptachlor	21.50	21.51	21.52	21.51	21.46	21.56
Aldrin	22.98	22.99	22.99	22.99	22.94	23.04
Heptachlor epoxide	25.06	25.07	25.08	25.07	25.00	25.14
Endosulfan_I	26.25	26.25	26.26	26.25	26.18	26.32
Dieldrin	27.15	27.15	27.16	27.15	27.08	27.22
4,4'-DDE	26.92	26.93	26.93	26.93	26.86	27.00
Endrin	28.12	28.13	28.14	28.13	28.06	28.20
Endosulfan_II	28.62	28.63	28.64	28.63	28.56	28.70
4,4'-DDD	28.45	28.45	28.46	28.45	28.38	28.52
Endosulfan_sulfate	30.00	30.01	30.02	30.01	29.94	30.08
4,4'-DDT	29.32	29.32	29.33	29.32	29.25	29.39
Methoxychlor	32.08	32.08	32.09	32.08	32.01	32.15
Endrin_ketone	32.68	32.70	32.70	32.69	32.62	32.76
Endrin_aldehyde	29.49	29.50	29.50	29.50	29.43	29.57
alpha-Chlordane	26.21	26.22	26.22	26.22	26.15	26.29
gamma-Chlordane	25.71	25.72	25.73	25.72	25.65	25.79
Tetrachloro-m-xylene	12.76	12.76	12.78	12.77	12.72	12.82
Decachlorobiphenyl	40.65	40.65	40.68	40.66	40.56	40.76

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/-0.05 minutes for all compounds that elute before Heptachlor epoxide, +/-0.07 minutes for all other compounds, except +/-0.10 minutes for Decachlorobiphenyl.

6D
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060218
 Instrument ID: HP58901A Level (x low): low 1.0 mid 4.0 high 16.0
 GC Column: RTX-35 ID: 0.53 (mm) Date(s) Analyzed: 02/25/93

COMPOUND	RT OF STANDARDS			MEAN RT	RT WINDOW	
	LOW	MID	HIGH		FROM	TO
alpha-BHC	16.57	16.57	16.57	16.57	16.52	16.62
beta-BHC	19.53	19.53	19.54	19.53	19.48	19.58
delta-BHC	21.49	21.49	21.50	21.49	21.44	21.54
gamma-BHC (Lindane)	18.97	18.96	18.96	18.96	18.91	19.01
Heptachlor	21.22	21.21	21.22	21.22	21.17	21.27
Aldrin	22.73	22.72	22.73	22.73	22.68	22.78
Heptachlor epoxide	24.85	24.85	24.85	24.85	24.78	24.92
Endosulfan I	26.04	26.04	26.04	26.04	25.97	26.11
Dieldrin	26.95	26.95	26.95	26.95	26.88	27.02
4,4'-DDE	26.72	26.72	26.73	26.72	26.65	26.79
Endrin	27.93	27.92	27.92	27.92	27.85	27.99
Endosulfan II	28.43	28.43	28.43	28.43	28.36	28.50
4,4'-DDD	28.25	28.25	28.25	28.25	28.18	28.32
Endosulfan sulfate	29.77	29.77	29.77	29.77	29.70	29.84
4,4'-DDT	29.11	29.11	29.11	29.11	29.04	29.18
Methoxychlor	31.78	31.77	31.79	31.78	31.71	31.85
Endrin ketone	32.35	32.35	32.35	32.35	32.28	32.42
Endrin aldehyde	29.27	29.27	29.27	29.27	29.20	29.34
alpha-Chlordane	26.00	26.00	26.01	26.00	25.93	26.07
gamma-Chlordane	25.50	25.50	25.51	25.50	25.43	25.57
Tetrachloro-m-xylene	12.46	12.46	12.46	12.46	12.41	12.51
Decachlorobiphenyl	40.01	40.02	40.02	40.02	39.92	40.12

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/-0.05 minutes for all compounds that elute before Heptachlor epoxide, +/-0.07 minutes for all other compounds, except +/-0.10 minutes for Decachlorobiphenyl.

6D
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

0219

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Instrument ID: HP58905B Level (x low): low 1.0 mid 4.0 high 16.0

GC Column:DB-1701 ID: 0.53 (mm) Date(s) Analyzed: 02/02/93 02/03/93

COMPOUND	RT OF STANDARDS			MEAN RT	RT WINDOW	
	LOW	MID	HIGH		FROM	TO
alpha-BHC	11.29	11.29	11.29	11.29	11.24	11.34
beta-BHC	17.59	17.58	17.58	17.58	17.53	17.63
delta-BHC	19.50	19.49	19.49	19.49	19.44	19.54
gamma-BHC (Lindane)	12.99	12.99	12.99	12.99	12.94	13.04
Heptachlor	14.05	14.05	14.04	14.05	14.00	14.10
Aldrin	15.63	15.62	15.62	15.62	15.57	15.67
Heptachlor epoxide	20.89	20.88	20.88	20.88	20.81	20.95
Endosulfan_I	23.23	23.23	23.22	23.23	23.16	23.30
Dieldrin	26.09	26.09	26.08	26.09	26.02	26.16
4,4'-DDE	25.25	25.24	25.24	25.24	25.17	25.31
Endrin	27.42	27.42	27.42	27.42	27.35	27.49
Endosulfan_II	30.54	30.53	30.54	30.54	30.47	30.61
4,4'-DDD	30.48	30.48	30.48	30.48	30.41	30.55
Endosulfan_sulfate	34.54	34.54	34.54	34.54	34.47	34.61
4,4'-DDT	31.41	31.40	31.40	31.40	31.33	31.47
Methoxychlor	34.85	34.84	34.84	34.84	34.77	34.91
Endrin_ketone	36.48	36.48	36.48	36.48	36.41	36.55
Endrin_aldehyde	32.89	32.88	32.88	32.88	32.81	32.95
alpha-Chlordane	24.28	24.27	24.27	24.27	24.20	24.34
gamma-Chlordane	23.84	23.83	23.83	23.83	23.76	23.90
Tetrachloro-m-xylene	7.94	7.94	7.94	7.94	7.89	7.99
Decachlorobiphenyl	40.56	40.56	40.56	40.56	40.46	40.66

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/-0.05 minutes for all compounds that elute before Heptachlor epoxide, +/-0.07 minutes for all other compounds, except +/-0.10 minutes for Decachlorobiphenyl.

6D
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: IEA/CT Contract: 0220
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 Instrument ID: HP58905B Level (x low): low 1.0 mid 4.0 high 16.0
 GC Column:DB-1701 ID: 0.53 (mm) Date(s) Analyzed: 02/19/93

COMPOUND	RT OF STANDARDS			MEAN RT	RT WINDOW	
	LOW	MID	HIGH		FROM	TO
alpha-BHC	11.21	11.21	11.22	11.21	11.16	11.26
beta-BHC	17.43	17.43	17.43	17.43	17.38	17.48
delta-BHC	19.32	19.32	19.32	19.32	19.27	19.37
gamma-BHC (Lindane)	12.90	12.90	12.90	12.90	12.85	12.95
Heptachlor	13.94	13.94	13.94	13.94	13.89	13.99
Aldrin	15.50	15.50	15.50	15.50	15.45	15.55
Heptachlor epoxide	20.69	20.69	20.69	20.69	20.62	20.76
Endosulfan I	23.05	23.05	23.05	23.05	22.98	23.12
Dieldrin	25.94	25.94	25.94	25.94	25.87	26.01
4,4'-DDE	25.09	25.09	25.09	25.09	25.02	25.16
Endrin	27.28	27.29	27.29	27.29	27.22	27.36
Endosulfan II	30.42	30.43	30.42	30.42	30.35	30.49
4,4'-DDD	30.37	30.37	30.37	30.37	30.30	30.44
Endosulfan sulfate	34.44	34.45	34.45	34.45	34.38	34.52
4,4'-DDT	31.30	31.30	31.30	31.30	31.23	31.37
Methoxychlor	34.76	34.76	34.76	34.76	34.69	34.83
Endrin ketone	36.39	36.39	36.39	36.39	36.32	36.46
Endrin aldehyde	32.78	32.78	32.78	32.78	32.71	32.85
alpha-Chlordane	24.12	24.12	24.11	24.12	24.05	24.19
gamma-Chlordane	23.67	23.67	23.67	23.67	23.60	23.74
Tetrachloro-m-xylene	7.86	7.87	7.87	7.87	7.82	7.92
Decachlorobiphenyl	40.48	40.48	40.48	40.48	40.38	40.58

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/-0.05 minutes for all compounds that elute before Heptachlor epoxide, +/-0.07 minutes for all other compounds, except +/-0.10 minutes for Decachlorobiphenyl.

6E
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

0221

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Instrument ID: HP58901A

Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: RTX-35

ID: 0.53 (mm)

Date(s) Analyzed: 01/31/93

COMPOUND	CALIBRATION FACTORS				%RSD
	LOW	MID	HIGH	MEAN	
alpha-BHC	31261000	36444150	39869225	35858125	12.1
beta-BHC	18179800	18390650	19623400	18731283	4.2
delta-BHC	27219600	28062500	34833600	30038567	13.9
gamma-BHC (Lindane)	30918800	34491100	38746400	34718767	11.3
Heptachlor	31285800	33968400	33564738	32939646	4.4
Aldrin	32140000	32896300	37687825	34241375	8.8
Heptachlor epoxide	30366800	30404400	32475788	31082329	3.9
Endosulfan I	26213800	27011900	28421738	27215812	4.1
Dieldrin	26690600	29938525	31653338	29427488	8.6
4,4'-DDE	24259300	26542650	29414919	26738956	9.7
Endrin	20472800	22101475	22445856	21673377	4.9
Endosulfan II	25663200	25034125	26766138	25821154	3.4
4,4'-DDD	20204300	21239875	21478031	20974069	3.2
Endosulfan sulfate	22473400	22579925	24840494	23297940	5.7
4,4'-DDT	14769300	21517875	23146244	19811140	22.4
Methoxychlor	8353400	9160990	8886108	8800166	4.7
Endrin ketone	27117800	27953500	30344681	28471994	5.9
Endrin aldehyde	21349500	19702225	20224544	20425423	4.1
alpha-Chlordane	35620000	34959050	35471525	35350192	1.0
gamma-Chlordane	33356800	32430800	33560425	33116008	1.8
Tetrachloro-m-xylene	29073000	31641000	32402288	31038762	5.6
Decachlorobiphenyl	40906100	39792725	36033169	38910665	6.6

* Surrogate factors are measured from Standard Mix A analyses.

%RSD must be less than or equal 20.0% for all compounds except the surrogates, where %RSD must be less than or equal to 30.0%. Up to two target compounds, but not surrogates, may have %RSD greater than 20.0% but less than or equal to 30.0%.

6E
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

0222

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Instrument ID: HP58901A

Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: RTX-35

ID: 0.53 (mm)

Date(s) Analyzed: 02/25/93

COMPOUND	CALIBRATION FACTORS				%RSD
	LOW	MID	HIGH	MEAN	
alpha-BHC	40753000	47983850	56215975	48317608	16.0
beta-BHC	28083800	29070000	26939150	28030983	3.8
delta-BHC	39575000	45934500	50217250	45242250	11.8
gamma-BHC (Lindane)	42578000	47367000	51784538	47243179	9.7
Heptachlor	37981600	37271550	37413425	37555525	1.0
Aldrin	39341000	42049000	44995125	42128375	6.7
Heptachlor epoxide	34198600	36031200	38835875	36355225	6.4
Endosulfan I	29023400	31150350	34054250	31409333	8.0
Dieldrin	28489000	34230600	33632500	32117367	9.8
4,4'-DDE	30452000	36230925	34455700	33712875	8.8
Endrin	25245100	26951575	27519388	26572021	4.4
Endosulfan II	27763400	29357000	28777856	28632752	2.8
4,4'-DDD	23862300	26031875	27308181	25734119	6.8
Endosulfan sulfate	24279300	26186625	27035525	25833817	5.5
4,4'-DDT	20921000	23722350	25998344	23547231	10.8
Methoxychlor	12337980	11837815	9817349	11331048	11.8
Endrin ketone	30054200	33346125	34143475	32514600	6.7
Endrin aldehyde	27776200	24277750	22817256	24957069	10.2
alpha-Chlordane	38415200	39751250	42964388	40376946	5.8
gamma-Chlordane	35794800	37687600	39831338	37771246	5.3
Tetrachloro-m-xylene	41785200	42778300	42732512	42432004	1.3
Decachlorobiphenyl	44194000	42781575	39375794	42117123	5.9

* Surrogate factors are measured from Standard Mix A analyses.

%RSD must be less than or equal 20.0% for all compounds except the surrogates, where %RSD must be less than or equal to 30.0%. Up to two target compounds, but not surrogates, may have %RSD greater than 20.0% but less than or equal to 30.0%.

6E
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

0223

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Instrument ID: HP58905B Level (x low): low 1.0 mid 4.0 high 16.0

GC Column:DB-1701 ID: 0.53 (mm) Date(s) Analyzed: 02/02/93 02/03/93

COMPOUND	CALIBRATION FACTORS			MEAN	%RSD
	LOW	MID	HIGH		
alpha-BHC	7280800	8638800	12444362	9454654	28.3
beta-BHC	6532000	6351300	7140300	6674533	6.2
delta-BHC	6841200	7097950	9580250	7839800	19.3
gamma-BHC_(Lindane)_	7691600	9122350	12541575	9785175	25.5
Heptachlor	12223400	11178100	11255612	11552371	5.0
Aldrin	9276400	9342200	11864612	10161071	14.5
Heptachlor epoxide	10590200	9733000	10379900	10234367	4.4
Endosulfan_I	9014600	8769000	9693412	9159004	5.2
Dieldrin	8695100	9421975	11780225	9965767	16.2
4,4'-DDE	9359800	9332625	11788788	10160404	13.9
Endrin	7769800	8388700	10149619	8769373	14.1
Endosulfan_II	8772700	8859800	10501906	9378135	10.4
4,4'-DDD	8145700	8747650	9489025	8794125	7.6
Endosulfan_sulfate	7434600	7818075	9191800	8148158	11.3
4,4'-DDT	6616800	6434250	7434688	6828579	7.8
Methoxychlor	3637340	3767270	3737822	3714144	1.8
Endrin ketone	7129900	7717425	9288781	8045369	13.9
Endrin aldehyde	4254700	4716025	5053088	4674604	8.6
alpha-Chlordane	14161400	12908600	13342612	13470871	4.7
gamma-Chlordane	13668400	12086200	12089050	12614550	7.2
Tetrachloro-m-xylene	13318200	11080100	11912638	12103646	9.3
Decachlorobiphenyl	13238300	13799800	12967131	13335077	3.2

* Surrogate factors are measured from Standard Mix A analyses.

%RSD must be less than or equal 20.0% for all compounds except the surrogates, where %RSD must be less than or equal to 30.0%. Up to two target compounds, but not surrogates, may have %RSD greater than 20.0% but less than or equal to 30.0%.

6E
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

0224

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Instrument ID: HP58905B Level (x low): low 1.0 mid 4.0 high 16.0

GC Column:DB-1701 ID: 0.53 (mm) Date(s) Analyzed: 02/19/93

COMPOUND	CALIBRATION FACTORS			MEAN	%RSD
	LOW	MID	HIGH		
alpha-BHC	6955400	9103750	12573050	9544067	29.7
beta-BHC	6699400	6864500	7695700	7086533	7.5
delta-BHC	7289600	7479450	10221650	8330233	19.7
gamma-BHC (Lindane)	7580400	9506050	12545762	9877404	25.3
Heptachlor	12235200	11977700	11736162	11983021	2.1
Aldrin	9203400	9494700	12505038	10401046	17.6
Heptachlor epoxide	10320600	9763500	10756575	10280225	4.8
Endosulfan_I	8657400	8771650	9327238	8918762	4.0
Dieldrin	8582600	9504600	11699356	9928852	16.1
4,4'-DDE	9028200	9439275	12381588	10283021	17.8
Endrin	7595400	8755200	10463038	8937879	16.1
Endosulfan_II	10270600	9179300	10627881	10025927	7.5
4,4'-DDD	7926200	8457450	9701644	8695098	10.5
Endosulfan_sulfate	6535700	7458000	9080238	7691312	16.7
4,4'-DDT	6585800	6866700	7940725	7131075	10.0
Methoxychlor	4017880	4513330	4191710	4240973	5.9
Endrin_ketone	8578600	8566250	9767800	8970883	7.7
Endrin_aldehyde	5985100	5440025	5816569	5747231	4.8
alpha-Chlordane	13686600	12871300	13560138	13372679	3.3
gamma-Chlordane	13230000	12047500	12358775	12545425	4.9
Tetrachloro-m-xylene	19314200	14642700	12191812	15382904	23.5
Decachlorobiphenyl	13086600	12965775	12202788	12751721	3.8

* Surrogate factors are measured from Standard Mix A analyses.

%RSD must be less than or equal 20.0% for all compounds except the surrogates, where %RSD must be less than or equal to 30.0%. Up to two target compounds, but not surrogates, may have %RSD greater than 20.0% but less than or equal to 30.0%.

6F
PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

0225

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Instrument ID: HP58901A

Date(s) Analyzed: 01/30/93 01/31/93

GC Column: RTX-35

ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	0.50	*1	28.82	28.75	28.89	1144244
		*2	29.84	29.77	29.91	574134
		*3	31.44	31.37	31.51	1314458
		4				
		5				
Aroclor-1016	0.10	*1	19.13	19.06	19.20	1813810
		*2	21.45	21.38	21.52	3002970
		*3	24.09	24.02	24.16	998090
		4				
		5				
Aroclor-1221	0.20	*1	15.19	15.12	15.26	291225
		*2	16.47	16.40	16.54	394755
		*3	19.14	19.07	19.21	336150
		4				
		5				
Aroclor-1232	0.10	*1	19.14	19.07	19.21	1121160
		*2	20.70	20.63	20.77	742860
		*3	21.45	21.38	21.52	2372720
		4				
		5				
Aroclor-1242	0.10	*1	16.47	16.40	16.54	175580
		*2	19.13	19.06	19.20	1300730
		*3	21.45	21.38	21.52	1900950
		4				
		5				
Aroclor-1248	0.10	*1	22.95	22.88	23.02	1300300
		*2	24.09	24.02	24.16	1113290
		*3	25.18	25.11	25.25	1263530
		4				
		5				
Aroclor-1254	0.10	*1	25.53	25.46	25.60	1385990
		*2	25.89	25.82	25.96	1664210
		*3	27.36	27.29	27.43	2248740
		4				
		5				
Aroclor-1260	0.10	*1	28.24	28.17	28.31	2879030
		*2	29.36	29.29	29.43	1664620
		*3	31.28	31.21	31.35	3620420
		4				
		5				

* Denotes required peaks

6F
PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

0 0226

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Instrument ID: HP58901A

Date(s) Analyzed: 02/24/93 02/25/93

GC Column: RTX-35

ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	0.50	*1	28.61	28.54	28.68	1392048
		*2	30.01	29.94	30.08	960338
		*3	31.15	31.08	31.22	1553312
		4				
		5				
Aroclor-1016	0.10	*1	16.13	16.06	16.20	867260
		*2	18.79	18.72	18.86	3390680
		*3	21.15	21.08	21.22	5185130
		4				
		5				
Aroclor-1221	0.20	*1	16.14	16.07	16.21	1076595
		*2	18.80	18.73	18.87	407725
		*3	21.15	21.08	21.22	450480
		4				
		5				
Aroclor-1232	0.10	*1	16.13	16.06	16.20	1763510
		*2	18.79	18.72	18.86	2501540
		*3	21.15	21.08	21.22	2728990
		4				
		5				
Aroclor-1242	0.10	*1	16.13	16.06	16.20	644920
		*2	18.79	18.72	18.86	2632770
		*3	21.15	21.08	21.22	3662630
		4				
		5				
Aroclor-1248	0.10	*1	18.79	18.72	18.86	1395450
		*2	21.14	21.07	21.21	2465120
		*3	22.71	22.64	22.78	1743190
		4				
		5				
Aroclor-1254	0.10	*1	25.68	25.61	25.75	2518740
		*2	27.16	27.09	27.23	3103740
		*3	27.62	27.55	27.69	3266440
		4				
		5				
Aroclor-1260	0.10	*1	28.04	27.97	28.11	3224300
		*2	30.99	30.92	31.06	4718860
		*3	32.74	32.67	32.81	2742740
		4				
		5				

* Denotes required peaks

6F
PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

0227

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Instrument ID: HP58905B

Date(s) Analyzed: 02/02/93 02/03/93

GC Column:DB-1701 ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	0.50	*1	33.68	33.61	33.75	139606
		*2	34.15	34.08	34.22	271726
		*3	35.37	35.30	35.44	81956
		4				
		5				
Aroclor-1016	0.10	*1	10.14	10.07	10.21	383890
		*2	11.56	11.49	11.63	734070
		*3	13.62	13.55	13.69	1346240
		4				
		5				
Aroclor-1221	0.20	*1	9.33	9.26	9.40	144565
		*2	10.14	10.07	10.21	430100
		*3	11.56	11.49	11.63	77080
		4				
		5				
Aroclor-1232	0.10	*1	10.14	10.07	10.21	514670
		*2	11.56	11.49	11.63	349180
		*3	13.62	13.55	13.69	579610
		4				
		5				
Aroclor-1242	0.10	*1	11.56	11.49	11.63	592960
		*2	13.62	13.55	13.69	1063820
		*3	14.29	14.22	14.36	407120
		4				
		5				
Aroclor-1248	0.10	*1	13.62	13.55	13.69	613940
		*2	17.13	17.06	17.20	682340
		*3	17.81	17.74	17.88	400970
		4				
		5				
Aroclor-1254	0.10	*1	25.67	25.60	25.74	866320
		*2	27.43	27.36	27.50	763680
		*3	28.30	28.23	28.37	548960
		4				
		5				
Aroclor-1260	0.10	*1	32.33	32.26	32.40	851660
		*2	33.90	33.83	33.97	1392940
		*3	35.65	35.58	35.72	965490
		4				
		5				

* Denotes required peaks

6F
PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

0228

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Instrument ID: HP58905B

Date(s) Analyzed: 02/18/93 02/19/93

GC Column: DB-1701 ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	0.50	*1	30.18	30.11	30.25	364880 574100 354438
		*2	31.70	31.63	31.77	
		*3	32.10	32.03	32.17	
		4				
		5				
Aroclor-1016	0.10	*1	10.06	9.99	10.13	413350 785830 1432850
		*2	11.48	11.41	11.55	
		*3	13.51	13.44	13.58	
		4				
		5				
Aroclor-1221	0.20	*1	10.06	9.99	10.13	475540 84350 120545
		*2	11.48	11.41	11.55	
		*3	13.52	13.45	13.59	
		4				
		5				
Aroclor-1232	0.10	*1	10.06	9.99	10.13	481720 382980 628220
		*2	11.48	11.41	11.55	
		*3	13.51	13.44	13.58	
		4				
		5				
Aroclor-1242	0.10	*1	10.06	9.99	10.13	320020 605040 1086730
		*2	11.48	11.41	11.55	
		*3	13.52	13.45	13.59	
		4				
		5				
Aroclor-1248	0.10	*1	13.52	13.45	13.59	661760 699580 443310
		*2	16.99	16.92	17.06	
		*3	17.66	17.59	17.73	
		4				
		5				
Aroclor-1254	0.10	*1	25.52	25.45	25.59	861140 570040 861790
		*2	26.60	26.53	26.67	
		*3	27.29	27.22	27.36	
		4				
		5				
Aroclor-1260	0.10	*1	30.26	30.19	30.33	1524300 1976500 1241220
		*2	32.21	32.14	32.28	
		*3	33.80	33.73	33.87	
		4				
		5				

* Denotes required peaks

6G
PESTICIDE ANALYTE RESOLUTION SUMMARY

0229

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GC Column (1): RTX-35 ID: 0.53(mm) Instrument ID (1): HP58901A
 EPA Sample No. (standard 1): RESC11 Lab Sample ID (1): RESC11
 Date Analyzed (1): 01/30/93 Time Analyzed (1): 1558

ANALYTE	RT	RESOLUTION (%)
01 Tetrachloro-m-xylene	12.75	100.0
02 gamma-Chlordane	25.71	100.0
03 Endosulfan I	26.24	100.0
04 4,4'-DDE	26.91	78.0
05 Dieldrin	27.15	100.0
06 Endosulfan sulfates	29.99	100.0
07 Methoxychlor	32.06	100.0
08 Endrin ketone	32.67	100.0
09 Decachlorobiphenyl	40.61	

GC Column (2): DB-1701 ID: 0.53(mm) Instrument ID (2): HP58905B
 EPA Sample No. (standard 2): RESCB8 Lab Sample ID (2): RESCB8
 Date Analyzed (2): 02/02/93 Time Analyzed (2): 1523

ANALYTE	RT	RESOLUTION (%)
01 Tetrachloro-m-xylene	7.93	100.0
02 Endosulfan I	23.20	100.0
03 gamma-Chlordane	23.81	100.0
04 4,4'-DDE	25.22	100.0
05 Dieldrin	26.06	100.0
06 Endosulfan sulfates	34.53	91.0
07 Methoxychlor	34.83	100.0
08 Endrin ketone	36.47	100.0
09 Decachlorobiphenyl	40.55	

Resolution of two adjacent peaks must be calculated as a percentage of the height of the smaller peak, and must be greater than or equal to 60.0%.

6G
PESTICIDE ANALYTE RESOLUTION SUMMARY

0230

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column (1):DB-1701 ID: 0.53(mm) Instrument ID (1): HP58905B
 EPA Sample No. (standard 1):RESCB8 Lab Sample ID (1): RESCB8
 Date Analyzed (1): 02/02/93 Time Analyzed (1): 1523

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.93	100.0
02	Endosulfan I	23.20	100.0
03	gamma-Chlordane	23.81	100.0
04	4,4'-DDE	25.22	100.0
05	Dieldrin	26.06	100.0
06	Endosulfan sulfate	34.53	91.0
07	Methoxychlor	34.83	100.0
08	Endrin ketone	36.47	100.0
09	Decachlorobiphenyl	40.55	

GC Column (2):RTX-35 ID: 0.53(mm) Instrument ID (2): HP58901A
 EPA Sample No. (standard 2):RESC13 Lab Sample ID (2): RESC13
 Date Analyzed (2): 02/24/93 Time Analyzed (2): 1910

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	12.46	100.0
02	gamma-Chlordane	25.50	100.0
03	Endosulfan I	26.04	100.0
04	4,4'-DDE	26.72	94.0
05	Dieldrin	26.95	100.0
06	Endosulfan sulfate	29.76	100.0
07	Methoxychlor	31.77	100.0
08	Endrin ketone	32.34	100.0
09	Decachlorobiphenyl	40.01	

Resolution of two adjacent peaks must be calculated as a percentage of the height of the smaller peak, and must be greater than or equal to 60.0%.

6G
PESTICIDE ANALYTE RESOLUTION SUMMARY

0231

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GC Column (1):DB-1701 ID: 0.53(mm) Instrument ID (1): HP58905B

EPA Sample No. (standard 1):RESCC3

Lab Sample ID (1): RESCC3

Date Analyzed (1): 02/18/93

Time Analyzed (1): 2105

ANALYTE	RT	RESOLUTION (%)
01 Tetrachloro-m-xylene	7.87	100.0
02 Endosulfan I	23.05	100.0
03 gamma-Chlordane	23.66	100.0
04 4,4'-DDE	25.08	100.0
05 Dieldrin	25.93	100.0
06 Endosulfan sulfate	34.44	83.0
07 Methoxychlor	34.76	100.0
08 Endrin ketone	36.39	100.0
09 Decachlorobiphenyl	40.48	

GC Column (2):RTX-35 ID: 0.53(mm) Instrument ID (2): HP58901A

EPA Sample No. (standard 2):RESC13

Lab Sample ID (2): RESC13

Date Analyzed (2): 02/24/93

Time Analyzed (2): 1910

ANALYTE	RT	RESOLUTION (%)
01 Tetrachloro-m-xylene	12.46	100.0
02 gamma-Chlordane	25.50	100.0
03 Endosulfan I	26.04	100.0
04 4,4'-DDE	26.72	94.0
05 Dieldrin	26.95	100.0
06 Endosulfan sulfate	29.76	100.0
07 Methoxychlor	31.77	100.0
08 Endrin ketone	32.34	100.0
09 Decachlorobiphenyl	40.01	

Resolution of two adjacent peaks must be calculated as a percentage of the height of the smaller peak, and must be greater than or equal to 60.0%.

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0233

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93

EPA Sample No. (PIBLK): PIBLK03 Date Analyzed : 01/31/93
 Lab Sample ID (PIBLK): PIBLK03 Time Analyzed : 0526
 EPA Sample No. (PEM): PEM83 Date Analyzed : 01/31/93
 Lab Sample ID (PEM): PEM83 Time Analyzed : 0620

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.91	16.86	16.96	0.0088	0.0100	12.0
beta-BHC	19.89	19.83	19.93	0.011	0.0100	10.0
gamma-BHC_(Lindane)	19.32	19.26	19.36	0.0094	0.0100	6.0
Endrin	28.14	28.06	28.20	0.049	0.050	2.0
4,4'-DDT	29.33	29.25	29.39	0.099	0.10	1.0
Methoxychlor	32.10	32.01	32.15	0.25	0.25	0.0

4,4'-DDT % breakdown (1): 7.6 Endrin % breakdown (1): 9.4
 Combined % breakdown (1): 17.0

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
 4,4'-DDT breakdown must be less than or equal to 20.0%
 Endrin breakdown must be less than or equal to 20.0%
 Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0234

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93

EPA Sample No. (PIBLK): PIBLK57 Date Analyzed : 02/16/93
 Lab Sample ID (PIBLK): PIBLK57 Time Analyzed : 2139
 EPA Sample No. (PEM): PEM11 Date Analyzed : 02/16/93
 Lab Sample ID (PEM): PEM11 Time Analyzed : 2233

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.91	16.86	16.96	0.012	0.0100	20.0
beta-BHC	19.88	19.83	19.93	0.012	0.0100	20.0
gamma-BHC (Lindane)	19.32	19.26	19.36	0.012	0.0100	20.0
Endrin	28.13	28.06	28.20	0.049	0.050	2.0
4,4'-DDT	29.32	29.25	29.39	0.096	0.10	4.0
Methoxychlor	32.08	32.01	32.15	0.24	0.25	4.0

4,4'-DDT % breakdown (1): 3.8 Endrin % breakdown (1): 4.8
 Combined % breakdown (1): 8.6

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
 4,4'-DDT breakdown must be less than or equal to 20.0%
 Endrin breakdown must be less than or equal to 20.0%
 Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0235

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93
 EPA Sample No. (PIBLK): PIBLK61 Date Analyzed : 02/17/93
 Lab Sample ID (PIBLK): PIBLK61 Time Analyzed : 1953
 EPA Sample No. (PEM): PEM13 Date Analyzed : 02/17/93
 Lab Sample ID (PEM): PEM13 Time Analyzed : 2047

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.92	16.86	16.96	0.011	0.0100	10.0
beta-BHC	19.90	19.83	19.93	0.012	0.0100	20.0
gamma-BHC (Lindane)	19.33	19.26	19.36	0.0100	0.0100	0.0
Endrin	28.14	28.06	28.20	0.050	0.050	0.0
4,4'-DDT	29.33	29.25	29.39	0.099	0.10	1.0
Methoxychlor	32.09	32.01	32.15	0.26	0.25	4.0

4,4'-DDT % breakdown (1): 3.8 Endrin % breakdown (1): 6.0
 Combined % breakdown (1): 9.8

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
 4,4'-DDT breakdown must be less than or equal to 20.0%
 Endrin breakdown must be less than or equal to 20.0%
 Combined breakdown must be less than or equal to 30.0%

7D
 PESTICIDE CALIBRATION VERIFICATION SUMMARY

0236

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93

EPA Sample No. (PIBLK): PIBLK65 Date Analyzed : 02/18/93
 Lab Sample ID (PIBLK): PIBLK65 Time Analyzed : 2115
 EPA Sample No. (PEM): PEM15 Date Analyzed : 02/18/93
 Lab Sample ID (PEM): PEM15 Time Analyzed : 2208

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.93	16.86	16.96	0.0100	0.0100	0.0
beta-BHC	19.91	19.83	19.93	0.012	0.0100	20.0
gamma-BHC (Lindane)	19.33	19.26	19.36	0.0095	0.0100	5.0
Endrin	28.14	28.06	28.20	0.051	0.050	2.0
4,4'-DDT	29.34	29.25	29.39	0.10	0.10	0.0
Methoxychlor	32.11	32.01	32.15	0.26	0.25	4.0

4,4'-DDT % breakdown (1): 5.2 Endrin % breakdown (1): 5.6
 Combined % breakdown (1): 10.8

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
 4,4'-DDT breakdown must be less than or equal to 20.0%
 Endrin breakdown must be less than or equal to 20.0%
 Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0237

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93

EPA Sample No. (PIBLK): PIBLK69 Date Analyzed : 02/19/93
 Lab Sample ID (PIBLK): PIBLK69 Time Analyzed : 1917
 EPA Sample No. (PEM): PEM17 Date Analyzed : 02/19/93
 Lab Sample ID (PEM): PEM17 Time Analyzed : 2011

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.92	16.86	16.96	0.0100	0.0100	0.0
beta-BHC	19.90	19.83	19.93	0.012	0.0100	20.0
gamma-BHC (Lindane)	19.33	19.26	19.36	0.0091	0.0100	9.0
Endrin	28.14	28.06	28.20	0.049	0.050	2.0
4,4'-DDT	29.33	29.25	29.39	0.096	0.10	4.0
Methoxychlor	32.10	32.01	32.15	0.22	0.25	12.0

4,4'-DDT % breakdown (1): 0.0 Endrin % breakdown (1): 5.0
 Combined % breakdown (1): 5.0

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
 4,4'-DDT breakdown must be less than or equal to 20.0%
 Endrin breakdown must be less than or equal to 20.0%
 Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0239

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 02/24/93 02/25/93

EPA Sample No. (PIBLK): _____ Date Analyzed : _____
 Lab Sample ID (PIBLK): _____ Time Analyzed : _____
 EPA Sample No. (PEM): PEM25 Date Analyzed : 02/24/93
 Lab Sample ID (PEM): PEM25 Time Analyzed : 2004

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.57	16.52	16.62	0.0100	0.0100	0.0
beta-BHC	19.53	19.48	19.58	0.0100	0.0100	0.0
gamma-BHC (Lindane)	18.96	18.91	19.01	0.0100	0.0100	0.0
Endrin	27.92	27.85	27.99	0.054	0.050	8.0
4,4'-DDT	29.11	29.04	29.18	0.12	0.10	20.0
Methoxychlor	31.77	31.71	31.85	0.25	0.25	0.0

4,4'-DDT % breakdown (1): 1.9 Endrin % breakdown (1): 2.8
 Combined % breakdown (1): 4.7

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
 4,4'-DDT breakdown must be less than or equal to 20.0%
 Endrin breakdown must be less than or equal to 20.0%
 Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0240

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 02/24/93 02/25/93
 EPA Sample No. (PIBLK): PIBLK79 Date Analyzed : 02/25/93
 Lab Sample ID (PIBLK): PIBLK79 Time Analyzed : 0839
 EPA Sample No. (PEM): PEM27 Date Analyzed : 02/25/93
 Lab Sample ID (PEM): PEM27 Time Analyzed : 0938

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.58	16.52	16.62	0.0098	0.0100	2.0
beta-BHC	19.54	19.48	19.58	0.0100	0.0100	0.0
gamma-BHC (Lindane)	18.97	18.91	19.01	0.0097	0.0100	3.0
Endrin	27.93	27.85	27.99	0.053	0.050	6.0
4,4'-DDT	29.11	29.04	29.18	0.12	0.10	20.0
Methoxychlor	31.78	31.71	31.85	0.26	0.25	4.0

4,4'-DDT % breakdown (1): 5.1 Endrin % breakdown (1): 3.0
 Combined % breakdown (1): 8.1

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
 4,4'-DDT breakdown must be less than or equal to 20.0%
 Endrin breakdown must be less than or equal to 20.0%
 Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0242

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/02/93 02/03/93

EPA Sample No. (PIBLK): _____ Date Analyzed : _____
 Lab Sample ID (PIBLK): _____ Time Analyzed : _____
 EPA Sample No. (PEM): PEMH2 Date Analyzed : 02/02/93
 Lab Sample ID (PEM): PEMH2 Time Analyzed : 1617

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.29	11.24	11.34	0.0086	0.0100	14.0
beta-BHC	17.58	17.53	17.63	0.0100	0.0100	0.0
gamma-BHC (Lindane)	12.99	12.94	13.04	0.0085	0.0100	15.0
Endrin	27.42	27.35	27.49	0.048	0.050	4.0
4,4'-DDT	31.41	31.33	31.47	0.097	0.10	3.0
Methoxychlor	34.84	34.77	34.91	0.23	0.25	8.0

4,4'-DDT % breakdown (1): 7.7 Endrin % breakdown (1): 4.0
 Combined % breakdown (1): 11.7

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
 4,4'-DDT breakdown must be less than or equal to 20.0%
 Endrin breakdown must be less than or equal to 20.0%
 Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0244

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/02/93 02/03/93

EPA Sample No. (PIBLK): PIBLK18 Date Analyzed : 02/10/93
 Lab Sample ID (PIBLK): PIBLK18 Time Analyzed : 1617
 EPA Sample No. (PEM): PEMH8 Date Analyzed : 02/10/93
 Lab Sample ID (PEM): PEMH8 Time Analyzed : 1710

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.27	11.24	11.34	0.0089	0.0100	11.0
beta-BHC	17.55	17.53	17.63	0.0100	0.0100	0.0
gamma-BHC (Lindane)	12.97	12.94	13.04	0.0088	0.0100	12.0
Endrin	27.39	27.35	27.49	0.050	0.050	0.0
4,4'-DDT	31.38	31.33	31.47	0.10	0.10	0.0
Methoxychlor	34.82	34.77	34.91	0.26	0.25	4.0

4,4'-DDT % breakdown (1): 7.2 Endrin % breakdown (1): 3.6
 Combined % breakdown (1): 10.8

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
 4,4'-DDT breakdown must be less than or equal to 20.0%
 Endrin breakdown must be less than or equal to 20.0%
 Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0245

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/02/93 02/03/93

EPA Sample No. (PIBLK): PIBLKJ1 Date Analyzed : 02/11/93
 Lab Sample ID (PIBLK): PIBLKJ1 Time Analyzed : 1647
 EPA Sample No. (PEM): PEMH9 Date Analyzed : 02/11/93
 Lab Sample ID (PEM): PEMH9 Time Analyzed : 1740

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.29	11.24	11.34	0.0092	0.0100	8.0
beta-BHC	17.58	17.53	17.63	0.0100	0.0100	0.0
gamma-BHC (Lindane)	13.00	12.94	13.04	0.0091	0.0100	9.0
Endrin	27.42	27.35	27.49	0.052	0.050	4.0
4,4'-DDT	31.40	31.33	31.47	0.11	0.10	10.0
Methoxychlor	34.83	34.77	34.91	0.26	0.25	4.0

4,4'-DDT % breakdown (1): 6.4 Endrin % breakdown (1): 3.6
 Combined % breakdown (1): 10.0

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
 4,4'-DDT breakdown must be less than or equal to 20.0%
 Endrin breakdown must be less than or equal to 20.0%
 Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0246

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93

EPA Sample No. (PIBLK): _____ Date Analyzed : _____
 Lab Sample ID (PIBLK): _____ Time Analyzed : _____
 EPA Sample No. (PEM): PEMI8 Date Analyzed : 02/18/93
 Lab Sample ID (PEM): PEMI8 Time Analyzed : 2159

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.21	11.16	11.26	0.0085	0.0100	15.0
beta-BHC	17.42	17.38	17.48	0.0099	0.0100	1.0
gamma-BHC (Lindane)	12.89	12.85	12.95	0.0086	0.0100	14.0
Endrin	27.28	27.22	27.36	0.052	0.050	4.0
4,4'-DDT	31.30	31.23	31.37	0.11	0.10	10.0
Methoxychlor	34.76	34.69	34.83	0.26	0.25	4.0

4,4'-DDT % breakdown (1): 5.2 Endrin % breakdown (1): 0.0
 Combined % breakdown (1): 5.2

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
 4,4'-DDT breakdown must be less than or equal to 20.0%
 Endrin breakdown must be less than or equal to 20.0%
 Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0247

Lab Name: IEA/CT Contract:
Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
GC Column:DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93

EPA Sample No.(PIBLK): PIBLKJ7 Date Analyzed : 02/19/93
Lab Sample ID (PIBLK): PIBLKJ7 Time Analyzed : 1033
EPA Sample No.(PEM): PEMI9 Date Analyzed : 02/19/93
Lab Sample ID (PEM): PEMI9 Time Analyzed : 1126

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.21	11.16	11.26	0.0088	0.0100	12.0
beta-BHC	17.43	17.38	17.48	0.0100	0.0100	0.0
gamma-BHC_(Lindane)_	12.90	12.85	12.95	0.0088	0.0100	12.0
Endrin	27.28	27.22	27.36	0.053	0.050	6.0
4,4'-DDT	31.30	31.23	31.37	0.12	0.10	20.0
Methoxychlor	34.76	34.69	34.83	0.27	0.25	8.0

4,4'-DDT % breakdown (1): 3.5 Endrin % breakdown (1): 0.0
Combined % breakdown (1): 3.5

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 20.0%
Endrin breakdown must be less than or equal to 20.0%
Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0248

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column:DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93

EPA Sample No.(PIBLK): PIBLKJ8 Date Analyzed : 02/19/93

Lab Sample ID (PIBLK): PIBLKJ8 Time Analyzed : 1946

EPA Sample No.(PEMJ): PEMJ1 Date Analyzed : 02/19/93

Lab Sample ID (PEMJ): PEMJ1 Time Analyzed : 2040

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.21	11.16	11.26	0.0088	0.0100	12.0
beta-BHC	17.43	17.38	17.48	0.0100	0.0100	0.0
gamma-BHC_(Lindane)_	12.89	12.85	12.95	0.0086	0.0100	14.0
Endrin	27.28	27.22	27.36	0.049	0.050	2.0
4,4'-DDT	31.30	31.23	31.37	0.11	0.10	10.0
Methoxychlor	34.76	34.69	34.83	0.20	0.25	20.0

4,4'-DDT % breakdown (1): 2.5 Endrin % breakdown (1): 14.6
 Combined % breakdown (1): 17.1

QC LIMITS

- RPD of amounts in PEM must be less than or equal to 25.0%
- 4,4'-DDT breakdown must be less than or equal to 20.0%
- Endrin breakdown must be less than or equal to 20.0%
- Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0249

Lab Name: IEA/CT Contract:
Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
GC Column:DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93

EPA Sample No.(PIBLK): PIBLKK6 Date Analyzed : 02/24/93
Lab Sample ID (PIBLK): PIBLKK6 Time Analyzed : 0909
EPA Sample No.(PEM): PEMJ5 Date Analyzed : 02/24/93
Lab Sample ID (PEM): PEMJ5 Time Analyzed : 1032

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.20	11.16	11.26	0.0095	0.0100	5.0
beta-BHC	17.41	17.38	17.48	0.0100	0.0100	0.0
gamma-BHC_(Lindane)	12.88	12.85	12.95	0.0093	0.0100	7.0
Endrin	27.27	27.22	27.36	0.048	0.050	4.0
4,4'-DDT	31.29	31.23	31.37	0.094	0.10	6.0
Methoxychlor	34.75	34.69	34.83	0.22	0.25	12.0

4,4'-DDT % breakdown (1): 6.1 Endrin % breakdown (1): 2.2
Combined % breakdown (1): 8.3

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 20.0%
Endrin breakdown must be less than or equal to 20.0%
Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0250

Lab Name: IEA/CT Contract:
Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93

EPA Sample No. (PIBLK): PIBLKK8 Date Analyzed : 02/25/93
Lab Sample ID (PIBLK): PIBLKK8 Time Analyzed : 0941
EPA Sample No. (PEM): PEMJ6 Date Analyzed : 02/25/93
Lab Sample ID (PEM): PEMJ6 Time Analyzed : 1034

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.22	11.16	11.26	0.0094	0.0100	6.0
beta-BHC	17.44	17.38	17.48	0.0100	0.0100	0.0
gamma-BHC_(Lindane)_	12.90	12.85	12.95	0.0092	0.0100	8.0
Endrin	27.29	27.22	27.36	0.047	0.050	6.0
4,4'-DDT	31.31	31.23	31.37	0.090	0.10	10.0
Methoxychlor	34.76	34.69	34.83	0.20	0.25	20.0

4,4'-DDT % breakdown (1): 9.6 Endrin % breakdown (1): 3.6
Combined % breakdown (1): 13.2

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%
4,4'-DDT breakdown must be less than or equal to 20.0%
Endrin breakdown must be less than or equal to 20.0%
Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0251

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93

EPA Sample No. (PIBLK): PIBLKL1 Date Analyzed : 02/26/93
 Lab Sample ID (PIBLK): PIBLKL1 Time Analyzed : 0913
 EPA Sample No. (PEM): PEMJ7 Date Analyzed : 02/26/93
 Lab Sample ID (PEM): PEMJ7 Time Analyzed : 1100

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.22	11.16	11.26			
beta-BHC	17.44	17.38	17.48	0.0091	0.0100	9.0
gamma-BHC (Lindane)	12.90	12.85	12.95	0.0100	0.0100	0.0
Endrin	27.29	27.22	27.36	0.0090	0.0100	10.0
4,4'-DDT	31.31	31.23	31.37	0.046	0.050	8.0
Methoxychlor	34.76	34.69	34.83	0.091	0.10	9.0
				0.20	0.25	20.0

4,4'-DDT % breakdown (1): 7.8
 Combined % breakdown (1): 10.6

Endrin % breakdown (1): 2.8

QC LIMITS

- RPD of amounts in PEM must be less than or equal to 25.0%
- 4,4'-DDT breakdown must be less than or equal to 20.0%
- Endrin breakdown must be less than or equal to 20.0%
- Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: IEA/CT Contract: 0252
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93

EPA Sample No. (PIBLK): PIBLKL3 Date Analyzed : 02/27/93
 Lab Sample ID (PIBLK): PIBLKL3 Time Analyzed : 1002
 EPA Sample No. (PEM): PEMJ8 Date Analyzed : 02/27/93
 Lab Sample ID (PEM): PEMJ8 Time Analyzed : 1056

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.22	11.16	11.26	0.0093	0.0100	7.0
beta-BHC	17.44	17.38	17.48	0.0100	0.0100	0.0
gamma-BHC (Lindane)	12.90	12.85	12.95	0.0091	0.0100	9.0
Endrin	27.29	27.22	27.36	0.047	0.050	6.0
4,4'-DDT	31.31	31.23	31.37	0.094	0.10	6.0
Methoxychlor	34.76	34.69	34.83	0.20	0.25	20.0

4,4'-DDT % breakdown (1): 5.2

Endrin % breakdown (1): 2.4

Combined % breakdown (1): 7.6

QC LIMITS

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: IEA/CT Contract: 0253
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93
 EPA Sample No. (PIBLK): PIBLK59 Date Analyzed : 02/17/93
 Lab Sample ID (PIBLK): PIBLK59 Time Analyzed : 0602
 EPA Sample No. (INDA): INDAM71 Date Analyzed : 02/17/93
 Lab Sample ID (INDA): INDAM71 Time Analyzed : 0656

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.92	16.86	16.96	0.024	0.020	20.0
gamma-BHC (Lindane)	19.32	19.26	19.36	0.024	0.020	20.0
Heptachlor	21.52	21.46	21.56	0.020	0.020	0.0
Endosulfan I	26.26	26.18	26.32	0.021	0.020	5.0
Dieldrin	27.16	27.08	27.22	0.043	0.040	7.5
Endrin	28.14	28.06	28.20	0.043	0.040	7.5
4,4'-DDD	28.46	28.38	28.52	0.042	0.040	5.0
4,4'-DDT	29.33	29.25	29.39	0.042	0.040	5.0
Methoxychlor	32.09	32.01	32.15	0.200	0.200	0.0
Tetrachloro-m-xylene	12.78	12.72	12.82	0.024	0.020	20.0
Decachlorobiphenyl	40.67	40.56	40.76	0.038	0.040	5.0

EPA Sample No. (INDB): INDBM71 Date Analyzed : 02/17/93
 Lab Sample ID (INDB): INDBM71 Time Analyzed : 0800

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
beta-BHC	19.91	19.83	19.93	0.023	0.020	15.0
delta-BHC	21.80	21.73	21.83	0.024	0.020	20.0
Aldrin	23.00	22.94	23.04	0.024	0.020	20.0
Heptachlor epoxide	25.08	25.00	25.14	0.022	0.020	10.0
4,4'-DDE	26.94	26.86	27.00	0.046	0.040	15.0
Endosulfan II	28.64	28.56	28.70	0.042	0.040	5.0
Endosulfan sulfate	30.02	29.94	30.08	0.043	0.040	7.5
Endrin ketone	32.71	32.62	32.76	0.043	0.040	7.5
Endrin aldehyde	29.51	29.43	29.57	0.043	0.040	7.5
alpha-Chlordane	26.22	26.15	26.29	0.021	0.020	5.0
gamma-Chlordane	25.73	25.65	25.79	0.021	0.020	5.0
Tetrachloro-m-xylene	12.80	12.72	12.82	0.025	0.020	25.0
Decachlorobiphenyl	40.68	40.56	40.76	0.038	0.040	5.0

QC LIMITS: RPD of amounts in the Individual Mixes must be less than or equal to 25.0%.

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0254

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93
 EPA Sample No. (PIBLK): PIBLK63 Date Analyzed : 02/18/93
 Lab Sample ID (PIBLK): PIBLK63 Time Analyzed : 0828
 EPA Sample No. (INDA): INDAM73 Date Analyzed : 02/18/93
 Lab Sample ID (INDA): INDAM73 Time Analyzed : 0922

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.92	16.86	16.96	0.024	0.020	20.0
gamma-BHC (Lindane)	19.33	19.26	19.36	0.024	0.020	20.0
Heptachlor	21.52	21.46	21.56	0.020	0.020	0.0
Endosulfan I	26.26	26.18	26.32	0.021	0.020	5.0
Dieldrin	27.16	27.08	27.22	0.043	0.040	7.5
Endrin	28.14	28.06	28.20	0.044	0.040	10.0
4,4'-DDD	28.46	28.38	28.52	0.042	0.040	5.0
4,4'-DDT	29.33	29.25	29.39	0.040	0.040	0.0
Methoxychlor	32.09	32.01	32.15	0.210	0.200	5.0
Tetrachloro-m-xylene	12.79	12.72	12.82	0.024	0.020	20.0
Decachlorobiphenyl	40.67	40.56	40.76	0.041	0.040	2.5

EPA Sample No. (INDB): INDBM73 Date Analyzed : 02/18/93
 Lab Sample ID (INDB): INDBM73 Time Analyzed : 1016

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
beta-BHC	19.90	19.83	19.93	0.024	0.020	20.0
delta-BHC	21.80	21.73	21.83	0.024	0.020	20.0
Aldrin	23.00	22.94	23.04	0.024	0.020	20.0
Heptachlor epoxide	25.08	25.00	25.14	0.022	0.020	10.0
4,4'-DDE	26.93	26.86	27.00	0.046	0.040	15.0
Endosulfan II	28.64	28.56	28.70	0.042	0.040	5.0
Endosulfan sulfate	30.02	29.94	30.08	0.042	0.040	5.0
Endrin ketone	32.71	32.62	32.76	0.044	0.040	10.0
Endrin aldehyde	29.51	29.43	29.57	0.042	0.040	5.0
alpha-Chlordane	26.22	26.15	26.29	0.021	0.020	5.0
gamma-Chlordane	25.73	25.65	25.79	0.021	0.020	5.0
Tetrachloro-m-xylene	12.79	12.72	12.82	0.025	0.020	25.0
Decachlorobiphenyl	40.68	40.56	40.76	0.039	0.040	2.5

QC LIMITS: RPD of amounts in the Individual Mixes must be less than or equal to 25.0%.

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0255

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 0060A SAS No.: _____ SDG No.: A0060

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93

EPA Sample No. (PIBLK): PIBLK67 Date Analyzed : 02/19/93

Lab Sample ID (PIBLK): PIBLK67 Time Analyzed : 0924

EPA Sample No. (INDA): INDAM75 Date Analyzed : 02/19/93

Lab Sample ID (INDA): INDAM75 Time Analyzed : 1334

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.93	16.86	16.96	0.024	0.020	20.0
gamma-BHC (Lindane)	19.34	19.26	19.36	0.024	0.020	20.0
Heptachlor	21.53	21.46	21.56	0.019	0.020	5.0
Endosulfan I	26.27	26.18	26.32	0.019	0.020	5.0
Dieldrin	27.17	27.08	27.22	0.038	0.040	5.0
Endrin	28.14	28.06	28.20	0.038	0.040	5.0
4,4'-DDD	28.46	28.38	28.52	0.036	0.040	10.0
4,4'-DDT	29.34	29.25	29.39	0.032	0.040	20.0
Methoxychlor	32.10	32.01	32.15	0.200	0.200	0.0
Tetrachloro-m-xylene	12.80	12.72	12.82	0.024	0.020	20.0
Decachlorobiphenyl	40.69	40.56	40.76	0.033	0.040	17.5

EPA Sample No. (INDB): INDBM75 Date Analyzed : 02/19/93

Lab Sample ID (INDB): INDBM75 Time Analyzed : 1427

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
beta-BHC	19.90	19.83	19.93	0.024	0.020	20.0
delta-BHC	21.80	21.73	21.83	0.025	0.020	25.0
Aldrin	23.00	22.94	23.04	0.024	0.020	20.0
Heptachlor epoxide	25.08	25.00	25.14	0.021	0.020	5.0
4,4'-DDE	26.93	26.86	27.00	0.045	0.040	12.5
Endosulfan II	28.64	28.56	28.70	0.044	0.040	10.0
Endosulfan sulfate	30.02	29.94	30.08	0.039	0.040	2.5
Endrin ketone	32.71	32.62	32.76	0.042	0.040	5.0
Endrin aldehyde	29.51	29.43	29.57	0.039	0.040	2.5
alpha-Chlordane	26.22	26.15	26.29	0.020	0.020	0.0
gamma-Chlordane	25.73	25.65	25.79	0.020	0.020	0.0
Tetrachloro-m-xylene	12.79	12.72	12.82	0.025	0.020	25.0
Decachlorobiphenyl	40.68	40.56	40.76	0.033	0.040	17.5

QC LIMITS: RPD of amounts in the Individual Mixes must be less than or equal to 25.0%.

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0256

Lab Name: IEA/CT Contract:

Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93

EPA Sample No. (PIBLK): PIBLK71 Date Analyzed : 02/20/93

Lab Sample ID (PIBLK): PIBLK71 Time Analyzed : 0719

EPA Sample No. (INDA): INDAM77 Date Analyzed : 02/20/93

Lab Sample ID (INDA): INDAM77 Time Analyzed : 0813

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.91	16.86	16.96	0.024	0.020	20.0
gamma-BHC (Lindane)	19.32	19.26	19.36	0.025	0.020	25.0
Heptachlor	21.52	21.46	21.56	0.019	0.020	5.0
Endosulfan I	26.26	26.18	26.32	0.022	0.020	10.0
Dieldrin	27.16	27.08	27.22	0.039	0.040	2.5
Endrin	28.14	28.06	28.20	0.039	0.040	2.5
4,4'-DDD	28.46	28.38	28.52	0.037	0.040	7.5
4,4'-DDT	29.33	29.25	29.39	0.030	0.040	25.0
Methoxychlor	32.09	32.01	32.15	0.190	0.200	5.0
Tetrachloro-m-xylene	12.78	12.72	12.82	0.024	0.020	20.0
Decachlorobiphenyl	40.68	40.56	40.76	0.036	0.040	10.0

EPA Sample No. (INDB): INDBM77 Date Analyzed : 02/20/93

Lab Sample ID (INDB): INDBM77 Time Analyzed : 0911

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
beta-BHC	19.91	19.83	19.93	0.024	0.020	20.0
delta-BHC	21.80	21.73	21.83	0.025	0.020	25.0
Aldrin	23.00	22.94	23.04	0.024	0.020	20.0
Heptachlor epoxide	25.08	25.00	25.14	0.021	0.020	5.0
4,4'-DDE	26.94	26.86	27.00	0.044	0.040	10.0
Endosulfan II	28.64	28.56	28.70	0.041	0.040	2.5
Endosulfan sulfate	30.02	29.94	30.08	0.042	0.040	5.0
Endrin ketone	32.71	32.62	32.76	0.044	0.040	10.0
Endrin aldehyde	29.51	29.43	29.57	0.041	0.040	2.5
alpha-Chlordane	26.22	26.15	26.29	0.020	0.020	0.0
gamma-Chlordane	25.73	25.65	25.79	0.020	0.020	0.0
Tetrachloro-m-xylene	12.79	12.72	12.82	0.025	0.020	25.0
Decachlorobiphenyl	40.67	40.56	40.76	0.035	0.040	12.5

QC LIMITS: RPD of amounts in the Individual Mixes must be less than or equal to 25.0%.

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0257

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 02/24/93 02/25/93
 EPA Sample No. (PIBLK): PIBLK85 Date Analyzed : 02/26/93
 Lab Sample ID (PIBLK): PIBLK85 Time Analyzed : 2240
 EPA Sample No. (INDA): INDAM87 Date Analyzed : 02/27/93
 Lab Sample ID (INDA): INDAM87 Time Analyzed : 0107

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	16.58	16.52	16.62	0.019	0.020	5.0
gamma-BHC (Lindane)	18.97	18.91	19.01	0.019	0.020	5.0
Heptachlor	21.22	21.17	21.27	0.021	0.020	5.0
Endosulfan I	26.04	25.97	26.11	0.019	0.020	5.0
Dieldrin	26.95	26.88	27.02	0.038	0.040	5.0
Endrin	27.93	27.85	27.99	0.039	0.040	2.5
4,4'-DDD	28.26	28.18	28.32	0.038	0.040	5.0
4,4'-DDT	29.11	29.04	29.18	0.048	0.040	20.0
Methoxychlor	31.78	31.71	31.85	0.200	0.200	0.0
Tetrachloro-m-xylene	12.47	12.41	12.51	0.020	0.020	0.0
Decachlorobiphenyl	40.02	39.92	40.12	0.040	0.040	0.0

EPA Sample No. (INDB): INDBM87 Date Analyzed : 02/27/93
 Lab Sample ID (INDB): INDBM87 Time Analyzed : 0200

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
beta-BHC	19.53	19.48	19.58	0.019	0.020	5.0
delta-BHC	21.49	21.44	21.54	0.020	0.020	0.0
Aldrin	22.73	22.68	22.78	0.019	0.020	5.0
Heptachlor epoxide	24.85	24.78	24.92	0.020	0.020	0.0
4,4'-DDE	26.72	26.65	26.79	0.038	0.040	5.0
Endosulfan II	28.43	28.36	28.50	0.039	0.040	2.5
Endosulfan sulfate	29.77	29.70	29.84	0.039	0.040	2.5
Endrin ketone	32.35	32.28	32.42	0.040	0.040	0.0
Endrin aldehyde	29.27	29.20	29.34	0.038	0.040	5.0
alpha-Chlordane	26.00	25.93	26.07	0.020	0.020	0.0
gamma-Chlordane	25.50	25.43	25.57	0.020	0.020	0.0
Tetrachloro-m-xylene	12.46	12.41	12.51	0.022	0.020	10.0
Decachlorobiphenyl	40.02	39.92	40.12	0.040	0.040	0.0

QC LIMITS: RPD of amounts in the Individual Mixes must be less than or equal to 25.0%.

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0258

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/02/93 02/03/93
 EPA Sample No. (PIBLK): PIBLK19 Date Analyzed : 02/11/93
 Lab Sample ID (PIBLK): PIBLK19 Time Analyzed : 0501
 EPA Sample No. (INDA): INDAMF1 Date Analyzed : 02/11/93
 Lab Sample ID (INDA): INDAMF1 Time Analyzed : 0555

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.28	11.24	11.34	0.019	0.020	5.0
gamma-BHC (Lindane)	12.98	12.94	13.04	0.019	0.020	5.0
Heptachlor	14.04	14.00	14.10	0.019	0.020	5.0
Endosulfan_I	23.21	23.16	23.30	0.019	0.020	5.0
Dieldrin	26.07	26.02	26.16	0.038	0.040	5.0
Endrin	27.40	27.35	27.49	0.038	0.040	5.0
4,4'-DDD	30.46	30.41	30.55	0.039	0.040	2.5
4,4'-DDT	31.39	31.33	31.47	0.040	0.040	0.0
Methoxychlor	34.83	34.77	34.91	0.190	0.200	5.0
Tetrachloro-m-xylene	7.94	7.89	7.99	0.022	0.020	10.0
Decachlorobiphenyl	40.54	40.46	40.66	0.038	0.040	5.0

EPA Sample No. (INDB): INDBMF1 Date Analyzed : 02/11/93
 Lab Sample ID (INDB): INDBMF1 Time Analyzed : 0648

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
beta-BHC	17.56	17.53	17.63	0.020	0.020	0.0
delta-BHC	19.47	19.44	19.54	0.020	0.020	0.0
Aldrin	15.61	15.57	15.67	0.020	0.020	0.0
Heptachlor_epoxide	20.86	20.81	20.95	0.020	0.020	0.0
4,4'-DDE	25.22	25.17	25.31	0.040	0.040	0.0
Endosulfan_II	30.52	30.47	30.61	0.039	0.040	2.5
Endosulfan_sulfate	34.52	34.47	34.61	0.039	0.040	2.5
Endrin_ketone	36.46	36.41	36.55	0.040	0.040	0.0
Endrin_aldehyde	32.86	32.81	32.95	0.040	0.040	0.0
alpha-Chlordane	24.26	24.20	24.34	0.019	0.020	5.0
gamma-Chlordane	23.81	23.76	23.90	0.019	0.020	5.0
Tetrachloro-m-xylene	7.94	7.89	7.99	0.023	0.020	15.0
Decachlorobiphenyl	40.54	40.46	40.66	0.039	0.040	2.5

QC LIMITS: RPD of amounts in the Individual Mixes must be less than or equal to 25.0%.

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0259

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93
 EPA Sample No. (PIBLK): PIBLKJ9 Date Analyzed : 02/20/93
 Lab Sample ID (PIBLK): PIBLKJ9 Time Analyzed : 0856
 EPA Sample No. (INDA): INDAMF7 Date Analyzed : 02/20/93
 Lab Sample ID (INDA): INDAMF7 Time Analyzed : 0949

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.22	11.16	11.26	0.018	0.020	10.0
gamma-BHC (Lindane)	12.90	12.85	12.95	0.019	0.020	5.0
Heptachlor	13.95	13.89	13.99	0.019	0.020	5.0
Endosulfan_I	23.07	22.98	23.12	0.019	0.020	5.0
Dieldrin	25.95	25.87	26.01	0.038	0.040	5.0
Endrin	27.29	27.22	27.36	0.038	0.040	5.0
4,4'-DDD	30.38	30.30	30.44	0.040	0.040	0.0
4,4'-DDT	31.31	31.23	31.37	0.040	0.040	0.0
Methoxychlor	34.77	34.69	34.83	0.160	0.200	20.0
Tetrachloro-m-xylene	7.88	7.82	7.92	0.019	0.020	5.0
Decachlorobiphenyl	40.49	40.38	40.58	0.038	0.040	5.0

EPA Sample No. (INDB): INDBMF7 Date Analyzed : 02/20/93
 Lab Sample ID (INDB): INDBMF7 Time Analyzed : 1045

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
beta-BHC	17.44	17.38	17.48	0.019	0.020	5.0
delta-BHC	19.33	19.27	19.37	0.020	0.020	0.0
Aldrin	15.51	15.45	15.55	0.019	0.020	5.0
Heptachlor_epoxide	20.71	20.62	20.76	0.019	0.020	5.0
4,4'-DDE	25.10	25.02	25.16	0.039	0.040	2.5
Endosulfan_II	30.43	30.35	30.49	0.037	0.040	7.5
Endosulfan_sulfate	34.45	34.38	34.52	0.038	0.040	5.0
Endrin_ketone	36.40	36.32	36.46	0.035	0.040	12.5
Endrin_aldehyde	32.79	32.71	32.85	0.034	0.040	15.0
alpha-Chlordane	24.13	24.05	24.19	0.019	0.020	5.0
gamma-Chlordane	23.68	23.60	23.74	0.019	0.020	5.0
Tetrachloro-m-xylene	7.88	7.82	7.92	0.019	0.020	5.0
Decachlorobiphenyl	40.49	40.38	40.58	0.036	0.040	10.0

QC LIMITS: RPD of amounts in the Individual Mixes must be less than or equal to 25.0%.

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0260

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93
 EPA Sample No. (PIBLK): PIBLKK7 Date Analyzed : 02/24/93
 Lab Sample ID (PIBLK): PIBLKK7 Time Analyzed : 2154
 EPA Sample No. (INDA): INDAMG1 Date Analyzed : 02/24/93
 Lab Sample ID (INDA): INDAMG1 Time Analyzed : 2247

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.22	11.16	11.26	0.020	0.020	0.0
gamma-BHC (Lindane)	12.90	12.85	12.95	0.019	0.020	5.0
Heptachlor	13.95	13.89	13.99	0.017	0.020	15.0
Endosulfan_I	23.07	22.98	23.12	0.019	0.020	5.0
Dieldrin	25.95	25.87	26.01	0.037	0.040	7.5
Endrin	27.29	27.22	27.36	0.036	0.040	10.0
4,4'-DDD	30.37	30.30	30.44	0.041	0.040	2.5
4,4'-DDT	31.30	31.23	31.37	0.034	0.040	15.0
Methoxychlor	34.76	34.69	34.83	0.150	0.200	25.0
Tetrachloro-m-xylene	7.88	7.82	7.92	0.015	0.020	25.0
Decachlorobiphenyl	40.47	40.38	40.58	0.034	0.040	15.0

EPA Sample No. (INDB): INDBMG1 Date Analyzed : 02/24/93
 Lab Sample ID (INDB): INDBMG1 Time Analyzed : 2352

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
beta-BHC	17.43	17.38	17.48	0.019	0.020	5.0
delta-BHC	19.32	19.27	19.37	0.020	0.020	0.0
Aldrin	15.51	15.45	15.55	0.019	0.020	5.0
Heptachlor_epoxide	20.70	20.62	20.76	0.018	0.020	10.0
4,4'-DDE	25.10	25.02	25.16	0.039	0.040	2.5
Endosulfan_II	30.43	30.35	30.49	0.035	0.040	12.5
Endosulfan_sulfate	34.44	34.38	34.52	0.035	0.040	12.5
Endrin_ketone	36.38	36.32	36.46	0.033	0.040	17.5
Endrin_aldehyde	32.77	32.71	32.85	0.033	0.040	17.5
alpha-Chlordane	24.12	24.05	24.19	0.017	0.020	15.0
gamma-Chlordane	23.67	23.60	23.74	0.018	0.020	10.0
Tetrachloro-m-xylene	7.88	7.82	7.92	0.016	0.020	20.0
Decachlorobiphenyl	40.47	40.38	40.58	0.033	0.040	17.5

QC LIMITS: RPD of amounts in the Individual Mixes must be less than or equal to 25.0%.

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0261

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93
 EPA Sample No. (PIBLK): PIBLKK9 Date Analyzed : 02/25/93
 Lab Sample ID (PIBLK): PIBLKK9 Time Analyzed : 2145
 EPA Sample No. (INDA): INDAMG2 Date Analyzed : 02/25/93
 Lab Sample ID (INDA): INDAMG2 Time Analyzed : 2239

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.22	11.16	11.26	0.019	0.020	5.0
gamma-BHC (Lindane)	12.91	12.85	12.95	0.019	0.020	5.0
Heptachlor	13.95	13.89	13.99	0.016	0.020	20.0
Endosulfan I	23.07	22.98	23.12	0.018	0.020	10.0
Dieldrin	25.96	25.87	26.01	0.036	0.040	10.0
Endrin	27.30	27.22	27.36	0.035	0.040	12.5
4,4'-DDD	30.38	30.30	30.44	0.041	0.040	2.5
4,4'-DDT	31.31	31.23	31.37	0.033	0.040	17.5
Methoxychlor	34.77	34.69	34.83	0.150	0.200	25.0
Tetrachloro-m-xylene	7.88	7.82	7.92	0.015	0.020	25.0
Decachlorobiphenyl	40.48	40.38	40.58	0.034	0.040	15.0

EPA Sample No. (INDB): INDBMG2 Date Analyzed : 02/26/93
 Lab Sample ID (INDB): INDBMG2 Time Analyzed : 0014

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
beta-BHC	17.43	17.38	17.48	0.019	0.020	5.0
delta-BHC	19.32	19.27	19.37	0.019	0.020	5.0
Aldrin	15.50	15.45	15.55	0.018	0.020	10.0
Heptachlor epoxide	20.69	20.62	20.76	0.018	0.020	10.0
4,4'-DDE	25.10	25.02	25.16	0.038	0.040	5.0
Endosulfan II	30.42	30.35	30.49	0.038	0.040	5.0
Endosulfan sulfate	34.43	34.38	34.52	0.035	0.040	12.5
Endrin ketone	36.38	36.32	36.46	0.033	0.040	17.5
Endrin aldehyde	32.77	32.71	32.85	0.032	0.040	20.0
alpha-Chlordane	24.12	24.05	24.19	0.017	0.020	15.0
gamma-Chlordane	23.67	23.60	23.74	0.017	0.020	15.0
Tetrachloro-m-xylene	7.87	7.82	7.92	0.016	0.020	20.0
Decachlorobiphenyl	40.46	40.38	40.58	0.032	0.040	20.0

QC LIMITS: RPD of amounts in the Individual Mixes must be less than or equal to 25.0%.

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

0262

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GC Column: DB-1701

ID: 0.53

(mm) Init. Calib. Date(s): 02/18/93 02/19/93

EPA Sample No. (PIBLK): PIBLKL2

Date Analyzed : 02/26/93

Lab Sample ID (PIBLK): PIBLKL2

Time Analyzed : 2128

EPA Sample No. (INDA): INDAMG3

Date Analyzed : 02/26/93

Lab Sample ID (INDA): INDAMG3

Time Analyzed : 2316

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
alpha-BHC	11.22	11.16	11.26	0.019	0.020	5.0
gamma-BHC (Lindane)	12.91	12.85	12.95	0.019	0.020	5.0
Heptachlor	13.95	13.89	13.99	0.017	0.020	15.0
Endosulfan I	23.08	22.98	23.12	0.019	0.020	5.0
Dieldrin	25.96	25.87	26.01	0.037	0.040	7.5
Endrin	27.30	27.22	27.36	0.035	0.040	12.5
4,4'-DDD	30.38	30.30	30.44	0.039	0.040	2.5
4,4'-DDT	31.31	31.23	31.37	0.032	0.040	20.0
Methoxychlor	34.77	34.69	34.83	0.160	0.200	20.0
Tetrachloro-m-xylene	7.88	7.82	7.92	0.015	0.020	25.0
Decachlorobiphenyl	40.47	40.38	40.58	0.034	0.040	15.0

EPA Sample No. (INDB): INDBMG3

Date Analyzed : 02/27/93

Lab Sample ID (INDB): INDBMG3

Time Analyzed : 0010

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW		CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
		FROM	TO			
beta-BHC	17.44	17.38	17.48	0.020	0.020	0.0
delta-BHC	19.32	19.27	19.37	0.020	0.020	0.0
Aldrin	15.51	15.45	15.55	0.019	0.020	5.0
Heptachlor epoxide	20.71	20.62	20.76	0.019	0.020	5.0
4,4'-DDE	25.11	25.02	25.16	0.039	0.040	2.5
Endosulfan II	30.43	30.35	30.49	0.036	0.040	10.0
Endosulfan sulfate	34.44	34.38	34.52	0.036	0.040	10.0
Endrin ketone	36.38	36.32	36.46	0.034	0.040	15.0
Endrin aldehyde	32.77	32.71	32.85	0.033	0.040	17.5
alpha-Chlordane	24.13	24.05	24.19	0.018	0.020	10.0
gamma-Chlordane	23.68	23.60	23.74	0.018	0.020	10.0
Tetrachloro-m-xylene	7.88	7.82	7.92	0.016	0.020	20.0
Decachlorobiphenyl	40.47	40.38	40.58	0.034	0.040	15.0

QC LIMITS: RPD of amounts in the Individual Mixes must be less than or equal to 25.0%.

8D
PESTICIDE ANALYTICAL SEQUENCE

00 0263

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GC Column: RTX-35

ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93

Instrument ID: HP58901A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION TCX: 12.77 DCB: 40.66						
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #	
01	RESC11	RESC11	01/30/93	1558	12.75	40.61
02	PEM79	PEM79	01/30/93	1652	12.75	40.61
03	AR166033	AR166033	01/30/93	1746	12.76	40.64
04	AR122123	AR122123	01/30/93	1840	12.76	40.63
05	AR123223	AR123223	01/30/93	1934	12.76	40.64
06	AR124233	AR124233	01/30/93	2027	12.76	40.64
07	AR124833	AR124833	01/30/93	2121	12.76	40.64
08	AR125433	AR125433	01/30/93	2215	12.76	40.65
09	TOXAPH23	TOXAPH23	01/30/93	2309	12.77	40.65
10	INDAL15	INDAL15	01/31/93	0003	12.76	40.65
11	INDBL15	INDBL15	01/31/93	0057	12.76	40.65
12	INDAM45	INDAM45	01/31/93	0150	12.76	40.65
13	INDBM45	INDBM45	01/31/93	0244	12.77	40.67
14	INDAH15	INDAH15	01/31/93	0338	12.78	40.68
15	INDBH15	INDBH15	01/31/93	0432	12.78	40.68
16	PIBLK03	PIBLK03	01/31/93	0526	12.77	40.68
17	PEM83	PEM83	01/31/93	0620	12.78	40.68
18	PIBLK57	PIBLK57	02/16/93	2139	12.78	40.65
19	PEM11	PEM11	02/16/93	2233	12.77	40.65
20	S104DL	0060019DL	02/16/93	2344	0.00*	0.00*
21	S104	0060019	02/17/93	0038	0.00*	0.00*
22	CS6DL	0060020DL	02/17/93	0133	0.00*	0.00*
23	CS6	0060020	02/17/93	0226	0.00*	0.00*
24	S107DL	0060021DL	02/17/93	0320	0.00*	0.00*
25	S107	0060021	02/17/93	0414	0.00*	0.00*
26	PIBLK59	PIBLK59	02/17/93	0602	12.78	40.67
27	INDAM71	INDAM71	02/17/93	0656	12.78	40.67
28	INDBM71	INDBM71	02/17/93	0800	12.80	40.68
29	CS83DL	0060025DL	02/17/93	0854	0.00*	0.00*
30	CS83	0060025	02/17/93	0954	12.78	40.64
31	ZZZZZ	HEXANE	02/17/93	1048		
32	CS76DL	0060026DL	02/17/93	1142	0.00*	0.00*

QC LIMITS:

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

0264

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GC Column: RTX-35

ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93

Instrument ID: HP58901A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
TCX: 12.77			DCB: 40.66		
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	CS76	0060026	02/17/93	1236	0.00*
02	ZZZZZ	HEXANE	02/17/93	1330	
03	CS1DL	0060027DL	02/17/93	1424	0.00*
04	CS1	0060027	02/17/93	1617	12.80
05	ZZZZZ	HEXANE	02/17/93	1711	
06	ZZZZZ	0060028	02/17/93	1805	
07	PIBLK61	PIBLK61	02/17/93	1953	12.79
08	PEM13	PEM13	02/17/93	2047	12.79
09	S108DL	0060022DL	02/17/93	2141	0.00*
10	S108	0060022	02/17/93	2235	12.78
11	S105	0060023	02/17/93	2329	0.00*
12	S106	0060024	02/18/93	0023	0.00*
13	PBLK71	0128-B01	02/18/93	0117	12.79
14	PBLK80	0201-B04	02/18/93	0211	12.78
15	PBLK79	0201-B01	02/18/93	0305	12.78
16	S107STD	0060021STD	02/18/93	0358	12.79
17	ZZZZZ	0060021STDX	02/18/93	0452	
18	S107MSB	0060021MSB	02/18/93	0546	12.79
19	ZZZZZ	00600021MSBX	02/18/93	0640	
20	PIBLK63	PIBLK63	02/18/93	0828	12.78
21	INDAM73	INDAM73	02/18/93	0922	12.79
22	INDBM73	INDBM73	02/18/93	1016	12.79
23	S107MS	0060021MS	02/18/93	1110	0.00*
24	S107MSD	0060021MSD	02/18/93	1216	0.00*
25	CS64 ZZZZZ	0060028	02/18/93	1404	12.79
26	ZZZZZ	HEXANE	02/18/93	1458	
27	FB012693	0060029	02/18/93	1552	12.79
28	ZZZZZ	0060032	02/18/93	1646	
29	ZZZZZ	0060032	02/18/93	1740	
30	ZZZZZ	HEXANE	02/18/93	1835	
31	ZZZZZ	0060033	02/18/93	1929	
32	PIBLK65	PIBLK65	02/18/93	2115	12.79

QC LIMITS:

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

0265

Lab Name: IEA/CT

Contract:

Lab Code: IFACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GC Column: RTX-35

ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93

Instrument ID: HP58901A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
				TCX: 12.77		DCB: 40.66	
	EPA	LAB	DATE	TIME	TCX	DCB	
	SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT	RT	#
01	PEM15	PEM15	02/18/93	2208	12.79	40.70	
02	ZZZZZ	0060004	02/18/93	2331			
03	ZZZZZ	HEXANE	02/19/93	0025			
04	ZZZZZ	0060005	02/19/93	0119			
05	ZZZZZ	HEXANE	02/19/93	0213			
06	ZZZZZ	0060011	02/19/93	0307			
07	ZZZZZ	0060013	02/19/93	0401			
08	ZZZZZ	0060015	02/19/93	0454			
09	ZZZZZ	0060023	02/19/93	0548			
10	ZZZZZ	0060024	02/19/93	0642			
11	CS64DL ^{23/9} ZZZZZ	0060028DL	02/19/93	0736	0.00*	0.00*	
12	ZZZZZ	0212-B07	02/19/93	0830			
13	PIBLK67	PIBLK67	02/19/93	0924	12.79	40.67	
14	INDAM75	INDAM75	02/19/93	1334	12.80	40.69	
15	INDBM75	INDBM75	02/19/93	1427	12.79	40.68	
16	PIBLK69	PIBLK69	02/19/93	1917	12.81	40.72	
17	PEM17	PEM17	02/19/93	2011	12.79	40.68	
18	AR166045	AR166045	02/19/93	2125	12.81	40.68	
19	AR124245	AR124245	02/19/93	2219	12.79	40.69	
20	AR124845	AR124845	02/19/93	2313	12.79	40.68	
21	AR125445	AR125445	02/20/93	0007	12.79	40.68	
22	ZZZZZ	0203-B01	02/20/93	0101			
23	ZZZZZ	0202-B03	02/20/93	0155			
24	ZZZZZ	0060030	02/20/93	0249			
25	FILLCAPDL	0600031DL	02/20/93	0343	0.00*	0.00*	
26	ZZZZZ	0060033	02/20/93	0437			
27	ZZZZZ	HEXANE	02/20/93	0531			
28	PIBLK71	PIBLK71	02/20/93	0719	12.78	40.65	
29	INDAM77	INDAM77	02/20/93	0813	12.78	40.68	
30	INDBM77	INDBM77	02/20/93	0911	12.79	40.67	
31	ZZZZZ	0060034	02/20/93	1004			
32	ZZZZZ	0060034	02/20/93	1106			

QC LIMITS:

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)

DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

0266

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GC Column: RTX-35

ID: 0.53 (mm) Init. Calib. Date(s): 01/30/93 01/31/93

Instrument ID: HP58901A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
TCX: 12.77			DCB: 40.66		
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ZZZZZ				
02	ZZZZZ	02/20/93	1217		
03	ZZZZZ	02/20/93	1347		
04	ZZZZZ	02/20/93	1441		
05	ZZZZZ	02/20/93	1535		
06	ZZZZZ	02/20/93	1629		
07	S105DL	02/20/93	1723		
08	S106DL	02/20/93	1817		
09	PIBLK73	02/20/93	1911	0.00*	0.00*
10	PEM19	02/20/93	2058	0.00*	0.00*
11		02/20/93	2152	12.78	40.66
12				12.79	40.66
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS:
(+/- 0.05 MINUTES)
(+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

0267

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A SAS No.:

SDG No.: A0060

GC Column: RTX-35

ID: 0.53 (mm) Init. Calib. Date(s): 02/24/93 02/25/93

Instrument ID: HP58901A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
		TCX: 12.46		DCB: 40.02	
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESC13	02/24/93	1910		
02	PEM25	02/24/93	2004	12.46	40.01
03	AR166049	02/24/93	2058	12.46	40.01
04	AR122127	02/24/93	2152	12.46	40.01
05	AR123227	02/24/93	2246	12.46	40.02
06	AR124249	02/24/93	2340	12.46	40.02
07	AR124849	02/25/93	0033	12.46	40.02
08	AR125449	02/25/93	0127	12.46	40.02
09	TOXAPH27	02/25/93	0221	12.47	40.03
10	INDAL19	02/25/93	0315	12.46	40.02
11	INDBL19	02/25/93	0409	12.46	40.01
12	INDAM83	02/25/93	0503	12.46	40.03
13	INDBM83	02/25/93	0557	12.46	40.02
14	INDAH19	02/25/93	0650	12.46	40.02
15	INDBH19	02/25/93	0744	12.46	40.02
16	PIBLK79	02/25/93	0839	12.47	40.03
17	PEM27	02/25/93	0938	12.46	40.01
18	PIBLK83	02/26/93	1630	12.47	40.02
19	PEM29	02/26/93	1824	12.47	40.01
20	PBLK12	02/26/93	1956	12.46	39.99
21	MW7DL	02/26/93	2049	12.47	40.01
22	FILLCAP	02/26/93	2143	0.00*	0.00*
23	PIBLK85	02/26/93	2240	12.46	40.00
24	INDAM87	02/27/93	0107	12.46	40.00
25	INDBM87	02/27/93	0200	12.47	40.02
26				12.46	40.02
27					
28					
29					
30					
31					
32					

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS:
(+/- 0.05 MINUTES)
(+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

0268

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GC Column:DB-1701

ID: 0.53 (mm) Init. Calib. Date(s): 02/02/93 02/03/93

Instrument ID: HP58905B

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
TCX: 7.94			DCB: 40.56		
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCB8	RESCB8			
02	PEMH2	PEMH2	02/02/93		
03	AR1660C4	AR1660C4	02/02/93	7.93	40.55
04	AR1221C1	AR1221C1	02/02/93	7.94	40.56
05	AR1232C1	AR1232C1	02/02/93	7.94	40.56
06	AR1242C4	AR1242C4	02/02/93	7.94	40.56
07	AR1248C4	AR1248C4	02/02/93	7.94	40.56
08	AR1254C4	AR1254C4	02/02/93	7.94	40.56
09	TOXAPHC1	TOXAPHC1	02/02/93	7.94	40.56
10	INDALB9	INDALB9	02/02/93	7.94	40.56
11	INDBLB9	INDBLB9	02/02/93	7.94	40.56
12	INDAME6	INDAME6	02/03/93	7.94	40.56
13	INDBME6	INDBME6	02/03/93	7.94	40.56
14	INDAHB8	INDAHB8	02/03/93	7.94	40.56
15	INDBHB8	INDBHB8	02/03/93	7.94	40.56
16	PIBLKH9	PIBLKH9	02/03/93	7.94	40.56
17	PEMH3	PEMH3	02/03/93	7.94	40.56
18	PIBLKI8	PIBLKI8	02/03/93	7.94	40.55
19	PEMH8	PEMH8	02/10/93	7.93	40.55
20	ZZZZZ	0108001	02/10/93	7.92	40.51
21	ZZZZZ	0108001MS	02/10/93	7.93	40.53
22	ZZZZZ	0108001MSD	02/10/93		
23	ZZZZZ	0108001MSB	02/10/93		
24	ZZZZZ	0108001MSBX	02/10/93		
25	ZZZZZ	0060021STD	02/10/93		
26	ZZZZZ	0060021STDX	02/10/93		
27	ZZZZZ	0060035MSB	02/11/93		
28	ZZZZZ	0060035MSBX	02/11/93		
29	ZZZZZ	0060035STD	02/11/93		
30	PIBLKI9	PIBLKI9	02/11/93		
31	INDAMF1	INDAMF1	02/11/93	7.94	40.54
32	INDBMF1	INDBMF1	02/11/93	7.94	40.54
			0648	7.94	40.54

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS:
(+/- 0.05 MINUTES)
(+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

0269

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GC Column: DB-1701

ID: 0.53 (mm) Init. Calib. Date(s): 02/02/93 02/03/93

Instrument ID: HP58905B

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
		TCX: 7.94			
		DCB: 40.56			
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PBLK71	0128-B01	02/11/93		
02	PBLK80	0201-B04	02/11/93	7.94	40.54
03	ZZZZZ	0203-B01	02/11/93	7.93	40.53
04	ZZZZZ	0202-B03	02/11/93		
05	PBLK79	0201-B01	02/11/93		
06	ZZZZZ	0060036	02/11/93	7.94	40.53
07	FBO12693	0060029	02/11/93		
08	ZZZZZ	0060021MSB	02/11/93	7.95	40.55
09	ZZZZZ	0060021MSBX	02/11/93		
10	PIBLKJ1	PIBLKJ1	02/11/93		
11	PEMH9	PEMH9	02/11/93	7.95	40.55
12			02/11/93	7.95	40.55
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS:
(+/- 0.05 MINUTES)
(+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

0270

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.:
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93
 Instrument ID: HP58905B SDG No.: A0060

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
EPA SAMPLE NO.		LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCC3	RESCC3				
02	PEMI8	PEMI8	02/18/93	2105		
03	AR1660D1	AR1660D1	02/18/93	2159	7.87	40.48
04	AR1221C5	AR1221C5	02/18/93	2252	7.86	40.48
05	AR1232C5	AR1232C5	02/18/93	2346	7.86	40.48
06	AR1242D1	AR1242D1	02/19/93	0040	7.87	40.47
07	AR1248D1	AR1248D1	02/19/93	0134	7.87	40.48
08	AR1254D1	AR1254D1	02/19/93	0228	7.87	40.48
09	TOXAPHC5	TOXAPHC5	02/19/93	0322	7.87	40.48
10	INDALC4	INDALC4	02/19/93	0416	7.87	40.48
11	INDBLC4	INDBLC4	02/19/93	0510	7.87	40.48
12	INDAMF6	INDAMF6	02/19/93	0603	7.86	40.48
13	INDBMF6	INDBMF6	02/19/93	0657	7.87	40.48
14	INDAHC3	INDAHC3	02/19/93	0751	7.87	40.48
15	INDBHC3	INDBHC3	02/19/93	0845	7.87	40.48
16	PIBLKJ7	PIBLKJ7	02/19/93	0939	7.87	40.48
17	PEMI9	PEMI9	02/19/93	1033	7.87	40.48
18	PIBLKJ8	PIBLKJ8	02/19/93	1126	7.87	40.48
19	PEMJ1	PEMJ1	02/19/93	1946	7.87	40.48
20	S107STD	0060021STD	02/19/93	2040	7.85	40.47
21	ZZZZZ	0060021STDX	02/19/93	2141	7.87	40.48
22	S107MSB	0060021MSB	02/19/93	2254	7.87	40.49
23	ZZZZZ	0060021MSBX	02/19/93	2348		
24	ZZZZZ	0060035MSB	02/20/93	0042	7.88	40.49
25	ZZZZZ	0060035MSBX	02/20/93	0136		
26	ZZZZZ	0060035STD	02/20/93	0229		
27	PIBLKJ9	PIBLKJ9	02/20/93	0323		
28	INDAMF7	INDAMF7	02/20/93	0856	7.87	40.48
29	INDBMF7	INDBMF7	02/20/93	0949	7.88	40.49
30	PIBLKK6	PIBLKK6	02/20/93	1045	7.88	40.49
31	PEMJ5	PEMJ5	02/24/93	0909	7.86	40.47
32	ZZZZZ	0122-B05	02/24/93	1032	7.86	40.47
			02/24/93	1229		

TCX = Tetrachloro-m-xylene
 DCB = Decachlorobiphenyl

QC LIMITS:
 (+/- 0.05 MINUTES)
 (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: IEA/CT Contract: 0271
 Lab Code: IEACT Case No.: 0060A SAS No.:
 GC Column:DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93
 Instrument ID: HP58905B SDG No.: A0060

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
TCX: 7.87 DCB: 40.48					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ZZZZZ				
02	ZZZZZ	02/24/93	1322		
03	ZZZZZ	02/24/93	1436		
04	ZZZZZ	02/24/93	1630		
05	ZZZZZ	02/24/93	1724		
06	ZZZZZ	02/24/93	1818		
07	ZZZZZ	02/24/93	1912		
08	PIBLKK7	02/24/93	2006		
09	INDAMG1	02/24/93	2154		
10	INDBMG1	02/24/93	2247	7.88	40.47
11	ZZZZZ	02/24/93	2352	7.88	40.47
12	ZZZZZ	02/25/93	0046	7.88	40.47
13	ZZZZZ	02/25/93	0140		
14	ZZZZZ	02/25/93	0233		
15	S104DL	02/25/93	0327		
16	S104	02/25/93	0421		
17	CS6DL	02/25/93	0515	0.00*	0.00*
18	CS6	02/25/93	0609	0.00*	0.00*
19	ZZZZZ	02/25/93	0702	0.00*	0.00*
20	PIBLKK8	02/25/93	0755	0.00*	0.00*
21	PEMJ6	02/25/93	0941		
22	S107DL	02/25/93	1034	7.88	40.47
23	S107	02/25/93	1128	7.88	40.47
24	ZZZZZ	02/25/93	1221	0.00*	0.00*
25	S107MS	02/25/93	1315	0.00*	0.00*
26	S107MSD	02/25/93	1409		
27	S108DL	02/25/93	1510	0.00*	0.00*
28	S108	02/25/93	1616	0.00*	0.00*
29	ZZZZZ	02/25/93	1716	0.00*	0.00*
30	S105DL	02/25/93	1810	7.88	40.47
31	S106DL	02/25/93	1904		
32	PIBLKK9	02/25/93	1958	0.00*	0.00*
		02/25/93	2145	0.00*	0.00*
				7.88	40.47

TCX = Tetrachloro-m-xylene
 DCB = Decachlorobiphenyl
 QC LIMITS:
 (+/- 0.05 MINUTES)
 (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

0272

Lab Name: IEA/CT Contract:
 Lab Code: IEACT Case No.: 0060A SAS No.:
 GC Column: DB-1701 ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93
 Instrument ID: HP58905B SDG No.: A0060

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
 TCX: 7.87 DCB: 40.48

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX		DCB	
				RT #		RT #	
01	INDAMG2						
02	INDBMG2		2239				
03	S105	02/25/93	0014	7.88		40.48	
04	S106	02/26/93	0108	7.87		40.46	
05	CS83DL	02/26/93	0202	0.00*		0.00*	
06	CS83	02/26/93	0256	0.00*		0.00*	
07	ZZZZZ	02/26/93	0350	0.00*		0.00*	
08	CS76DL	02/26/93	0444	7.84		40.48	
09	CS76	02/26/93	0537				
10	CS1DL	02/26/93	0631	0.00*		0.00*	
11	ZZZZZ	02/26/93	0725	0.00*		0.00*	(2/9)
12	PIBLKL1	02/26/93	0819	7.91		40.50	00*
13	PEMJ7	02/26/93	0913				
14	CS1DL	02/26/93	1100	7.88		40.47	
15	CS64DL	02/26/93	1154	7.88		40.47	
(2/9)	CS64 ZZZZ	02/26/93	1248	0.00*		0.00*	
17	ZZZZZ	02/26/93	1342	0.00*		0.00*	
18	ZZZZZ	02/26/93	1436	7.85		0.00*	(2/9)
19	PBLK12	02/26/93	1530				
20	MW7DL	02/26/93	1657				
21	FILLCAPDL	02/26/93	1750	7.88		40.47	
22	AR1660D20D	02/26/93	1844	0.00*		0.00*	
23	ZZZZZ	02/26/93	1941	0.00*		0.00*	
24	PIBLKL2	02/26/93	2034	7.88		40.47	(2/9)
25	INDAMG3	02/26/93	2128				
26	INDBMG3	02/26/93	2316	7.88		40.47	
27	FILLCAP	02/27/93	0010	7.88		40.47	
28	ZZZZZ	02/27/93	0104	7.88		40.47	
29	ZZZZZ	02/27/93	0157	7.89		40.48	
30	ZZZZZ	02/27/93	0251				
31	ZZZZZ	02/27/93	0345				
32	ZZZZZ	02/27/93	0439				
		02/27/93	0533				

TCX = Tetrachloro-m-xylene QC LIMITS: (+/- 0.05 MINUTES)
 DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)
 # Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: IEA/CT

Contract:

0273

Lab Code: IEACT

Case No.: 0060A SAS No.:

SDG No.: A0060

GC Column: DB-1701

ID: 0.53 (mm) Init. Calib. Date(s): 02/18/93 02/19/93

Instrument ID: HP58905B

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
TCX: 7.87			DCB: 40.48		
EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ZZZZZ	0060033	02/27/93		
02	ZZZZZ	0060034	02/27/93		
03	ZZZZZ	0060034	02/27/93		
04	PIBLKL3	PIBLKL3	02/27/93		
05	PEMJ8	PEMJ8	02/27/93	7.87	40.47
06			02/27/93	7.88	40.47
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS:
(+/- 0.05 MINUTES)
(+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

9A
PESTICIDE FLORISIL CARTRIDGE CHECK

Lab Name: IEA/CT Contract: 0274
 Lab Code: IEACT Case No.: 0060A SAS No.: SDG No.: A0060
 Florisil Cartridge Lot Number: FLOF12501 Date of Analysis: 06/18/92
 GC Column(1): RTX-35 ID: 0.53 (mm) GC Column(2): DB-1701 ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
alpha-BHC	10	9.3	93	80-120
gamma-BHC (Lindane)	10	8.3	83	80-120
Heptachlor	10	9.2	92	80-120
Endosulfan I	10	9.6	96	80-120
Dieldrin	20	20	100	80-120
Endrin	20	19	95	80-120
4,4'-DDD	20	19	95	80-120
4,4'-DDT	20	18	90	80-120
Methoxychlor	100	90	90	80-120
Tetrachloro-m-xylene	10	9.3	93	80-120
Decachlorobiphenyl	20	20	100	80-120

Column to be used to flag recovery with an asterisk.
 * Values outside of QC limits.

THIS CARTRIDGE LOT APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01 S104DL	0060019DL	02/16/93	02/25/93
02 S104	0060019	02/17/93	02/25/93
03 CS6DL	0060020DL	02/17/93	02/25/93
04 CS6	0060020	02/17/93	02/25/93
05 S107DL	0060021DL	02/17/93	02/25/93
06 S107	0060021	02/17/93	02/25/93
07 CS83DL	0060025DL	02/17/93	02/26/93
08 CS83	0060025	02/17/93	02/26/93
09 CS76DL	0060026DL	02/17/93	02/26/93
10 CS76	0060026	02/17/93	02/26/93
11 CS1DL	0060027DL	02/17/93	02/26/93
12 CS1	0060027	02/17/93	02/26/93
13 S108DL	0060022DL	02/17/93	02/25/93
14 S108	0060022	02/17/93	02/25/93
15 S105	0060023	02/17/93	02/26/93
16 S106	0060024	02/18/93	02/26/93
17 S107STD	0060021STD	02/18/93	02/19/93
18 S107MSB	0060021MSB	02/18/93	02/19/93
19 S107MS	0060021MS	02/18/93	02/25/93
20 S107MSD	0060021MSD	02/18/93	02/25/93
21 CS64	0060028	02/18/93	02/26/93
22 CS64DL	0060028DL	02/19/93	02/26/93
23 S105DL	0060023DL	02/20/93	02/25/93

9A
PESTICIDE FLORISIL CARTRIDGE CHECK

0275

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Florisil Cartridge Lot Number: FLOF12501 Date of Analysis: 06/18/92

GC Column(1): RTX-35 ID: 0.53 (mm) GC Column(2): DB-1701 ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
alpha-BHC	10	9.3	93	80-120
gamma-BHC (Lindane)	10	8.3	83	80-120
Heptachlor	10	9.2	92	80-120
Endosulfan I	10	9.6	96	80-120
Dieldrin	20	20	100	80-120
Endrin	20	19	95	80-120
4,4'-DDD	20	19	95	80-120
4,4'-DDT	20	18	90	80-120
Methoxychlor	100	90	90	80-120
Tetrachloro-m-xylene	10	9.3	93	80-120
Decachlorobiphenyl	20	20	100	80-120

Column to be used to flag recovery with an asterisk.
* Values outside of QC limits.

THIS CARTRIDGE LOT APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	S106DL	0060024DL	02/20/93	02/25/93
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				

9A
PESTICIDE FLORISIL CARTRIDGE CHECK

0276

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Florisil Cartridge Lot Number: FLOF12501 Date of Analysis: 06/18/92

GC Column(1): DB-1701 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
alpha-BHC	10	9.3	93	80-120
gamma-BHC (Lindane)	10	8.3	83	80-120
Heptachlor	10	9.2	92	80-120
Endosulfan I	10	9.6	96	80-120
Dieldrin	20	20	100	80-120
Endrin	20	19	95	80-120
4,4'-DDD	20	19	95	80-120
4,4'-DDT	20	18	90	80-120
Methoxychlor	100	90	90	80-120
Tetrachloro-m-xylene	10	9.3	93	80-120
Decachlorobiphenyl	20	20	100	80-120

Column to be used to flag recovery with an asterisk.
* Values outside of QC limits.

THIS CARTRIDGE LOT APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK71	0128-B01	02/11/93	02/18/93
02	PBLK80	0201-B04	02/11/93	02/18/93
03	PBLK79	0201-B01	02/11/93	02/18/93
04	FB012693	0060029	02/11/93	02/18/93
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				

9B
PESTICIDE GPC CALIBRATION

0277

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GPC Column: SX-3

Calibration Date: 02/13/93

GC Column(1): DB-1701

ID: 0.53 (mm)

GC Column(2): RTX-35

ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
gamma-BHC (Lindane)	0.020	0.018	90	80-110
Heptachlor	0.020	0.018	90	80-110
Aldrin	0.020	0.020	100	80-110
Dieldrin	0.040	0.039	98	80-110
Endrin	0.040	0.035	88	80-110
4,4'-DDT	0.040	0.039	98	80-110

Column to be used to flag recovery with an asterisk.

* Values outside of QC limits.

THIS GPC CALIBRATION APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK71	0128-B01	02/11/93	02/18/93
02	PBLK80	0201-B04	02/11/93	02/18/93
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

9B
PESTICIDE GPC CALIBRATION

0 0278

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

GPC Column: SX-3

Calibration Date: 02/13/93

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
gamma-BHC (Lindane)	0.020	0.018	90	80-110
Heptachlor	0.020	0.018	90	80-110
Aldrin	0.020	0.020	100	80-110
Dieldrin	0.040	0.039	98	80-110
Endrin	0.040	0.035	88	80-110
4,4'-DDT	0.040	0.039	98	80-110

Column to be used to flag recovery with an asterisk.

* Values outside of QC limits.

THIS GPC CALIBRATION APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	S104DL	0060019DL	02/16/93	02/25/93
02	S104	0060019	02/17/93	02/25/93
03	CS6DL	0060020DL	02/17/93	02/25/93
04	CS6	0060020	02/17/93	02/25/93
05	S107DL	0060021DL	02/17/93	02/25/93
06	S107	0060021	02/17/93	02/25/93
07	CS83DL	0060025DL	02/17/93	02/26/93
08	CS83	0060025	02/17/93	02/26/93
09	CS76DL	0060026DL	02/17/93	02/26/93
10	CS76	0060026	02/17/93	02/26/93
11	CS1DL	0060027DL	02/17/93	02/26/93
12	CS1	0060027	02/17/93	02/26/93
13	S108DL	0060022DL	02/17/93	02/25/93
14	S108	0060022	02/17/93	02/25/93
15	S105	0060023	02/17/93	02/26/93
16	S106	0060024	02/18/93	02/26/93
17	S107STD	0060021STD	02/18/93	02/19/93
18	S107MSB	0060021MSB	02/18/93	02/19/93
19	S107MS	0060021MS	02/18/93	02/25/93
20	S107MSD	0060021MSD	02/18/93	02/25/93
21	CS64	0060028	02/18/93	02/26/93
22	CS64DL	0060028DL	02/19/93	02/26/93
23	S105DL	0060023DL	02/20/93	02/25/93
24	S106DL	0060024DL	02/20/93	02/25/93
25				
26				

a & 3/4

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S104DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060019DL

Date(s) Analyzed: 02/16/93 - 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1):RTX-35

ID: 0.53 (mm)

GC Column(2):DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.24	28.17	28.31	1200000.00	1300000.00	
	2	29.37	29.29	29.43	1400000.00		
	3	31.29	31.21	31.35	1300000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1	30.27	30.19	30.33	870000.00	860000.00	51.2
	2	32.24	32.14	32.28	430000.00		
	3	33.81	33.73	33.87	1300000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S104	0280
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Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060019

Date(s) Analyzed: 02/17/93 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.24	28.17	28.31	1100000.00	1300000.00	
	2	29.37	29.29	29.43	1600000.00		
	3	31.31	31.21	31.35	1300000.00		
COLUMN 1	4						
	5						
COLUMN 2	1	30.28	30.19	30.33	950000.00	820000.00	58.5
	2	32.24	32.14	32.28	330000.00		
	3	33.81	33.73	33.87	1200000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

CS6DL	0281
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Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060020DL

Date(s) Analyzed: 02/17/93 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1):RTX-35

ID: 0.53 (mm)

GC Column(2):DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.24	28.17	28.31	78000.00	86000.00	
	2	29.37	29.29	29.43	88000.00		
	3	31.28	31.21	31.35	90000.00		
COLUMN 1	4						
	5						
COLUMN 2	1	30.27	30.19	30.33	56000.00	62000.00	38.7
	2	32.24	32.14	32.28	43000.00		
	3	33.81	33.73	33.87	86000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

0282
 CS6

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060020

Date(s) Analyzed: 02/17/93 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.24	28.17	28.31	56000.00	72000.00	
	2	29.37	29.29	29.43	81000.00		
	3	31.28	31.21	31.35	78000.00		
COLUMN 1	4						
	5						
COLUMN 2	1	30.28	30.19	30.33	50000.00	44000.00	63.6
	2	32.24	32.14	32.28	18000.00		
	3	33.81	33.73	33.87	64000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S107DL

0283

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060021DL

Date(s) Analyzed: 02/17/93 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1):RTX-35

ID: 0.53 (mm)

GC Column(2):DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.24	28.17	28.31	80000.00	87000.00	
	2	29.37	29.29	29.43	92000.00		
	3	31.29	31.21	31.35	88000.00		
	4						
	5						
COLUMN 1	1					63000.00	38.1
	2						
	3						
	4						
	5						
COLUMN 2	1	30.28	30.19	30.33	60000.00	63000.00	38.1
	2	32.24	32.14	32.28	35000.00		
	3	33.81	33.73	33.87	94000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S107

0284

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060021

Date(s) Analyzed: 02/17/93 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1):RTX-35

ID: 0.53 (mm)

GC Column(2):DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.24	28.17	28.31	67000.00	84000.00	
	2	29.37	29.29	29.43	95000.00		
	3	31.29	31.21	31.35	91000.00		
	4						
	5						
COLUMN 1	1	30.28	30.19	30.33	58000.00	51000.00	64.7
	2	32.24	32.14	32.28	21000.00		
	3	33.81	33.73	33.87	74000.00		
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S108DL	0285
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Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060022DL

Date(s) Analyzed: 02/17/93 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1):RTX-35

ID: 0.53 (mm)

GC Column(2):DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.25	28.17	28.31	9000.00	10000.00	
	2	29.38	29.29	29.43	11000.00		
	3	31.30	31.21	31.35	10000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1	30.28	30.19	30.33	6300.00	5600.00	78.6
	2	32.25	32.14	32.28	2500.00		
	3	33.82	33.73	33.87	8000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO. 0286

S108

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060022

Date(s) Analyzed: 02/17/93 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260 COLUMN 1	1	28.24	28.17	28.31	6300.00	8500.00	
	2	29.37	29.29	29.43	9700.00		
	3	31.29	31.21	31.35	9600.00		
	4						
	5						
COLUMN 2	1	30.28	30.19	30.33	6700.00	5900.00	44.1
	2	32.24	32.14	32.28	2400.00		
	3	33.82	33.73	33.87	8600.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO. 0287

S105DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060023DL

Date(s) Analyzed: 02/20/93 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1):RTX-35

ID: 0.53 (mm)

GC Column(2):DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.25	28.17	28.31	18000000.00	20000000.00	
	2	29.38	29.29	29.43	22000000.00		
	3	31.29	31.21	31.35	20000000.00		
	4						
	5						
COLUMN 1	1	30.29	30.19	30.33	17000000.00	15000000.00	33.3
	2	32.25	32.14	32.28	7900000.00		
	3	33.82	33.73	33.87	20000000.00		
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO. 0288

S105

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060023

Date(s) Analyzed: 02/17/93 02/26/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260 COLUMN 1	1	28.26	28.17	28.31	14000000.00	17000000.00	
	2	29.40	29.29	29.43	20000000.00		
	3	31.34	31.21	31.35	16000000.00		
	4						
	5						
COLUMN 2	1	30.28	30.19	30.33	15000000.00	13000000.00	30.8
	2	32.24	32.14	32.28	5100000.00		
	3	33.82	33.73	33.87	18000000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S106DL 0289

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060024DL

Date(s) Analyzed: 02/20/93 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260 COLUMN 1	1	28.24	28.17	28.31	19000000.00	21000000.00	
	2	29.37	29.29	29.43	23000000.00		
	3	31.29	31.21	31.35	20000000.00		
	4						
	5						
COLUMN 2	1	30.28	30.19	30.33	24000000.00	20000000.00	5.0
	2	32.24	32.14	32.28	9100000.00		
	3	33.81	33.73	33.87	28000000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.
0290

S106

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060024

Date(s) Analyzed: 02/18/93 02/26/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.26	28.17	28.31	13000000.00	16000000.00	
	2	29.40	29.29	29.43	20000000.00		
	3	31.33	31.21	31.35	16000000.00		
	4						
	5						
COLUMN 1	1					16000000.00	
	2						
	3						
	4						
	5						
COLUMN 2	1	30.28	30.19	30.33	19000000.00	16000000.00	0.0
	2	32.25	32.14	32.28	6400000.00		
	3	33.82	33.73	33.87	22000000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO 0291

CS83DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060025DL

Date(s) Analyzed: 02/17/93 02/26/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1):RTX-35

ID: 0.53 (mm)

GC Column(2):DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260 COLUMN 1	1	28.24	28.17	28.31	5000.00	5300.00	
	2	29.37	29.29	29.43	5800.00		
	3	31.29	31.21	31.35	5000.00		
	4						
	5						
COLUMN 2	1	30.28	30.19	30.33	4700.00	4400.00	20.4
	2	32.24	32.14	32.28	3200.00		
	3	33.82	33.73	33.87	5300.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO. 0292

CS83

Lab Name: IEA/CT

Contract:

Lab Code: IFACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060025

Date(s) Analyzed: 02/17/93 02/26/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.24	28.17	28.31	3600.00	4600.00	
	2	29.37	29.29	29.43	5400.00		
	3	31.28	31.21	31.35	5000.00		
	4						
	5						
COLUMN 1	1	30.28	30.19	30.33	3500.00	3100.00	48.4
	2	32.25	32.14	32.28	1300.00		
	3	33.82	33.73	33.87	4400.00		
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO. 0293

CS76DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060026DL

Date(s) Analyzed: 02/17/93 02/26/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1):RFX-35

ID: 0.53 (mm)

GC Column(2):DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.24	28.17	28.31	71000.00	73000.00	
	2	29.37	29.29	29.43	84000.00		
	3	31.29	31.21	31.35	64000.00		
	4						
	5						
COLUMN 1	1					74000.00	1.4
	2	30.28	30.19	30.33	76000.00		
	3	32.25	32.14	32.28	40000.00		
	4	33.82	33.73	33.87	110000.00		
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO 0294

CS76

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060026

Date(s) Analyzed: 02/17/93 02/26/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1248 COLUMN 1	1	22.96	22.88	23.02	5700.00	6600.00	
	2	24.10	24.02	24.16	3100.00		
	3	25.18	25.11	25.25	11000.00		
	4						
	5						
COLUMN 2	1	13.54	13.45	13.59	620.00	2900.00	127.6
	2	17.02	16.92	17.06	3900.00		
	3	17.69	17.59	17.73	4100.00		
	4						
	5						
Aroclor-1260 COLUMN 1	1	28.24	28.17	28.31	45000.00	59000.00	
	2	29.37	29.29	29.43	71000.00		
	3	31.29	31.21	31.35	60000.00		
	4						
	5						
COLUMN 2	1	30.29	30.19	30.33	39000.00	36000.00	63.9
	2	32.25	32.14	32.28	18000.00		
	3	33.82	33.73	33.87	50000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO. 0295
 CS1DL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060027DL

Date(s) Analyzed: 02/17/93 02/26/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1):RTX-35

ID: 0.53 (mm)

GC Column(2):DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260 COLUMN 1	1	28.24	28.17	28.31	11000.00	13000.00	
	2	29.37	29.29	29.43	15000.00		
	3	31.28	31.21	31.35	13000.00		
	4						
	5						
COLUMN 2	1	30.27	30.19	30.33	8800.00	8600.00	51.2
	2	32.24	32.14	32.28	6300.00		
	3	33.81	33.73	33.87	11000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO. 0296

CS1

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060027

Date(s) Analyzed: 02/17/93 02/26/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1248 COLUMN 1	1	22.98	22.88	23.02	510.00	1300.00	
	2	24.10	24.02	24.16	970.00		
	3	25.19	25.11	25.25	2400.00		
	4						
	5						
COLUMN 2	1	13.55	13.45	13.59	300.00	700.00	85.7
	2	17.02	16.92	17.06	570.00		
	3	17.70	17.59	17.73	1200.00		
	4						
	5						
Aroclor-1260 COLUMN 1	1	28.26	28.17	28.31	8700.00	11000.00	
	2	29.39	29.29	29.43	15000.00		
	3	31.32	31.21	31.35	10000.00		
	4						
	5						
COLUMN 2	1	30.29	30.19	30.33	7900.00	7400.00	48.6
	2	32.25	32.14	32.28	3700.00		
	3	33.82	33.73	33.87	11000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

MW7DL 0297

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060030DL

Date(s) Analyzed: 02/26/93

Instrument ID (1): HP58905B

Instrument ID (2): HP58901A

GC Column(1):DB-1701

ID: 0.53 (mm)

GC Column(2):RTX-35

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1248 COLUMN 1	1	13.53	13.45	13.59	710000.00	930000.00	
	2	17.00	16.92	17.06	1200000.00		
	3	17.67	17.59	17.73	840000.00		
	4						
	5						
COLUMN 2	1	18.85	18.72	18.86	2000000.00	1600000.00	72.0
	2	21.14	21.07	21.21	600000.00		
	3	22.70	22.64	22.78	2300000.00		
	4						
	5						
Aroclor-1254 COLUMN 1	1	25.54	25.45	25.59	5800000.00	6000000.00	
	2	26.61	26.53	26.67	5800000.00		
	3	27.30	27.22	27.36	6400000.00		
	4						
	5						
COLUMN 2	1	25.67	25.61	25.75	4300000.00	5500000.00	9.1
	2	27.15	27.09	27.23	5400000.00		
	3	27.61	27.55	27.69	6900000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO. 9298

FILLCAP

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060031

Date(s) Analyzed: 02/26/93 02/27/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1):RTX-35

ID: 0.53 (mm)

GC Column(2):DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1248 COLUMN 1	1	18.89	18.72	18.86	150000.00	79000.00	
	2	21.17	21.07	21.21	24000.00		
	3	22.82	22.64	22.78	66000.00		
	4						
	5						
COLUMN 2	1	13.53	13.45	13.59	7500.00	9600.00	722.9
	2	16.99	16.92	17.06	12000.00		
	3	17.68	17.59	17.73	9700.00		
	4						
	5						
Aroclor-1254 COLUMN 1	1	25.68	25.61	25.75	63000.00	54000.00	
	2	27.15	27.09	27.23	51000.00		
	3	27.64	27.55	27.69	49000.00		
	4						
	5						
COLUMN 2	1	25.53	25.45	25.59	49000.00	47000.00	14.9
	2	26.61	26.53	26.67	35000.00		
	3	27.28	27.22	27.36	56000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO 0299

FILLCAPDL

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0600031DL

Date(s) Analyzed: 02/20/93 02/26/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1):RTX-35

ID: 0.53 (mm)

GC Column(2):DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1254 COLUMN 1	1	25.53	25.46	25.60	48000.00	92000.00	
	2	25.89	25.82	25.96	140000.00		
	3	27.36	27.29	27.43	88000.00		
	4						
	5						
COLUMN 2	1	25.53	25.45	25.59	47000.00	60000.00	53.3
	2	26.61	26.53	26.67	51000.00		
	3	27.28	27.22	27.36	81000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

S107MS

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060021MS

Date(s) Analyzed: 02/18/93 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260	1	28.25	28.17	28.31	28000.00	33000.00	
	2	29.38	29.29	29.43	38000.00		
	3	31.30	31.21	31.35	32000.00		
	4						
	5						
COLUMN 1	1					36000.00	9.1
	2						
	3						
	4						
	5						
COLUMN 2	1	30.28	30.19	30.33	42000.00	36000.00	9.1
	2	32.24	32.14	32.28	15000.00		
	3	33.82	33.73	33.87	52000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

0301

S107MSD

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060021MSD

Date(s) Analyzed: 02/18/93 02/25/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260 COLUMN 1	1	28.25	28.17	28.31	47000.00	58000.00	
	2	29.38	29.29	29.43	66000.00		
	3	31.30	31.21	31.35	62000.00		
	4						
	5						
COLUMN 2	1	30.27	30.19	30.33	27000.00	23000.00	152.2
	2	32.23	32.14	32.28	10000.00		
	3	33.80	33.73	33.87	33000.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO. **0302**

S107MSB

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 00600/21MSB

Date(s) Analyzed: 02/18/93 02/19/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1260 COLUMN 1	1	28.25	28.17	28.31	330.00	390.00	
	2	29.38	29.29	29.43	440.00		
	3	31.29	31.21	31.35	400.00		
	4						
	5						
COLUMN 2	1	30.27	30.19	30.33	280.00	240.00	62.5
	2	32.24	32.14	32.28	130.00		
	3	33.81	33.73	33.87	330.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes

10B
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S107STD 0303

Lab Name: IEA/CT

Contract:

Lab Code: IEACT

Case No.: 0060A

SAS No.:

SDG No.: A0060

Lab Sample ID: 0060021STD

Date(s) Analyzed: 02/18/93 02/19/93

Instrument ID (1): HP58901A

Instrument ID (2): HP58905B

GC Column(1): RTX-35

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%D
			FROM	TO			
Aroclor-1242 COLUMN 1	1	16.50	16.40	16.54	1300.00	690.00	
	2	19.16	19.06	19.20	380.00		
	3	21.47	21.38	21.52	370.00		
	4						
	5						
COLUMN 2	1	10.06	9.99	10.13	240.00	260.00	165.4
	2	11.49	11.41	11.55	250.00		
	3	13.52	13.45	13.59	280.00		
	4						
	5						
Aroclor-1260 COLUMN 1	1	28.25	28.17	28.31	290.00	370.00	
	2	29.38	29.29	29.43	430.00		
	3	31.29	31.21	31.35	390.00		
	4						
	5						
COLUMN 2	1	30.27	30.19	30.33	290.00	250.00	48.0
	2	32.24	32.14	32.28	120.00		
	3	33.81	33.73	33.87	350.00		
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes



an environmental testing company

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

0201 (

STANDARD CONCENTRATIONS (ng)

	<u>Low</u>	<u>Mid</u>	<u>High</u>
alpha-BHC	0.005	0.020	0.080
gamma-BHC	0.005	0.020	0.080
Heptachlor	0.005	0.020	0.080
Endosulfan I	0.005	0.020	0.080
Dieldrin	0.010	0.040	0.16
Endrin	0.010	0.040	0.16
4,4'DDD	0.010	0.040	0.16
4,4'DDT	0.010	0.040	0.16
Methoxychlor	0.050	0.2	0.80
Tetrachloro-m-Xylene	0.005	0.020	0.080
Decachlorobiphenyl	0.010	0.040	0.16
beta-BHC	0.005	0.020	0.080
delta-BHC	0.005	0.020	0.080
lindrin	0.005	0.020	0.080
Heptachlor Epoxide	0.005	0.020	0.080
4,4'DDE	0.010	0.040	0.16
Endosulfan II	0.010	0.040	0.16
Endosulfan Sulfate	0.010	0.040	0.16
Endrin Ketone	0.010	0.040	0.16
Endrin Aldehyde	0.010	0.040	0.16
alpha-Chlordane	0.005	0.020	0.080
gamma-Chlordane	0.005	0.020	0.080
Tetrachloro-m-Xylene	0.005	0.020	0.080
Decachlorobiphenyl	0.010	0.040	0.16

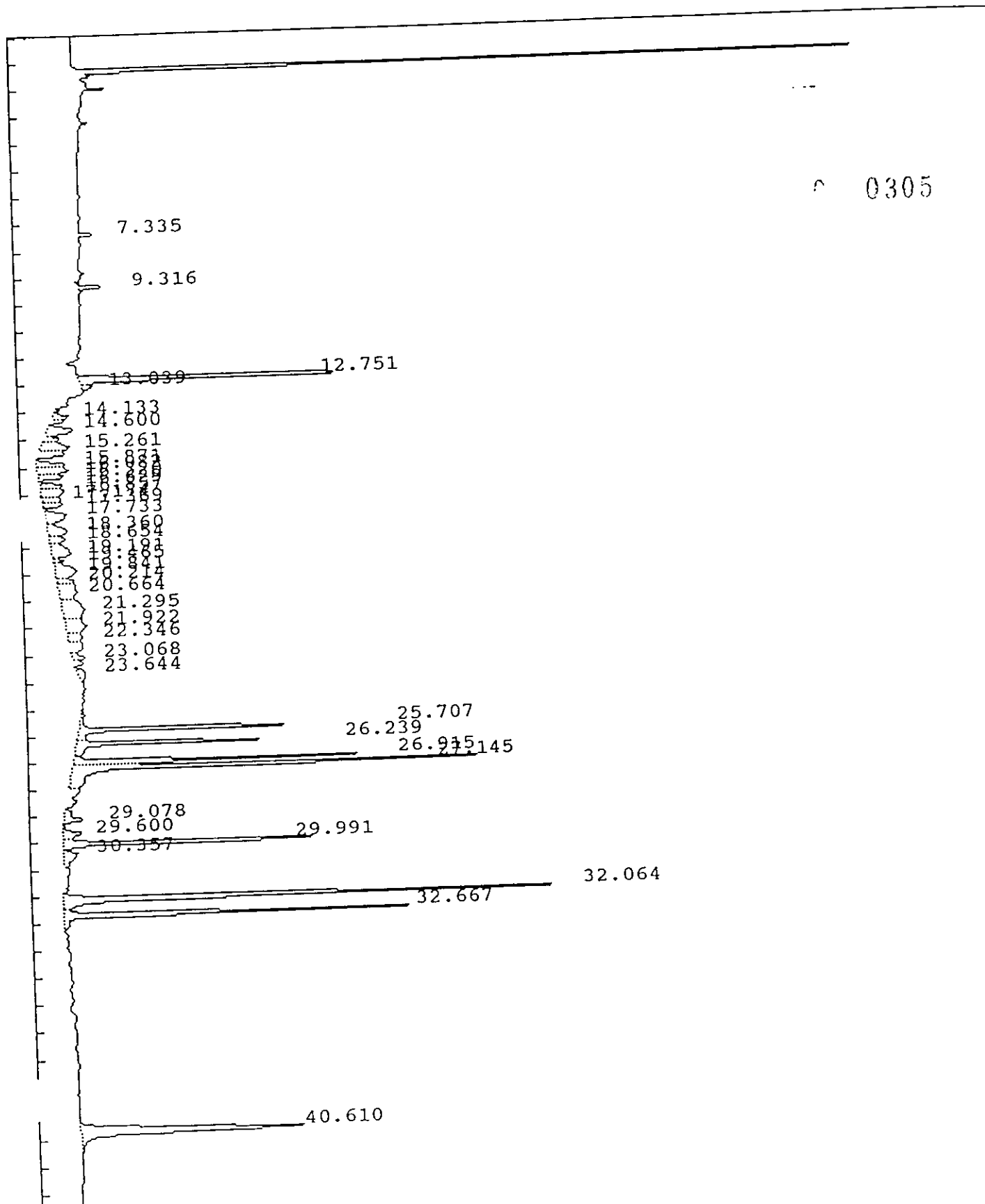
IEA Pesticide Standard Report

Sample Name : RESC11
Result File : /DATA/LOOP/RESULT/A1209003.RES
Column Type : RTX-35 30-Meter, 0.53mm ID

Inj on 1558 30Jan1993

INSTRUMENT: HP58901A
Inj. Vol. : 1 ul

0305



IEA Pesticide Standard Report

Report No : 90.13

Sample Name : RESC11
 Result File : /DATA/LOOP/RESULT/A1209003.RES
 Column Type : RTX-35 30 Meter,0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1558 30Jan1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 1/ 3 Bottle no. : 3

Inj. Vol. : 1 ul

0306

% Dil-Fact
 100.00

Run Status : RunStatusOK

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.33		.098960	21923	BB	0.0000	
2	9.32		.109407	41137	BB	0.0000	
3	12.75	12.77	.120153	532552	BV	.1683	Tetrachloro-m-xylene
4	13.04		.150680	21252	VB	0.0000	
5	14.13		.161669	33409	PV	0.0000	
6	14.60		.269198	87078	VV	0.0000	
7	15.26		.272553	106243	VV	0.0000	
8	15.87		.200814	76838	PV	0.0000	
9	16.08		.210304	84380	VV	0.0000	
10	16.32		.159795	55122	VV	0.0000	
11	16.63		.202879	61253	VV	0.0000	
12	16.86		.264178	83572	VV	0.0000	
13	17.17		.197680	49145	VV	0.0000	
14	17.37		.162099	40968	VV	0.0000	
15	17.73		.359170	102023	PV	0.0000	
16	18.36		.344072	85638	VV	0.0000	
17	18.65		.193315	43097	VV	0.0000	
18	19.19		.425135	101464	VV	0.0000	
19	19.46		.127518	19226	VV	0.0000	
20	19.84	19.88	.408534	116959	VV	.0636	beta-BHC
21	20.21		.152722	34198	VV	0.0000	
22	20.66		.532001	125593	VV	0.0000	
23	21.29		.579534	176382	VV	0.0000	
24	21.92		.464565	129760	VV	0.0000	
25	22.35		.252490	47524	VV	0.0000	
26	23.07		.153703	29164	VV	0.0000	
27	23.64		.467370	47073	PV	0.0000	
28	25.71	25.72	.098599	393233	BV	.1213	gamma-Chlordane
29	26.24	26.25	.094991	333676	VV	.1235	Endosulfan I
30	26.91	26.93	.103477	440517	VV	.1660	4,4'-DDE
31	27.15	27.15	.099678	743014	VV	.2482	Dieldrin
32	29.08		.203392	58933	VV	0.0000	
33	29.60		.234469	59022	PV	0.0000	
34	29.99	30.01	.091311	423472	VV	.1875	Endosulfan sulfate
35	30.36		.387264	75547	PV	0.0000	
36	32.06	32.08	.123385	885409	VV	.9665	Methoxychlor
37	32.67	32.69	.116648	574486	VV	.2055	Endrin ketone
38	40.61	#40.67	.231155	677504	BB	.1703	Decachlorobiphenyl

Total Area : 7017791 Total PPB : 2.421

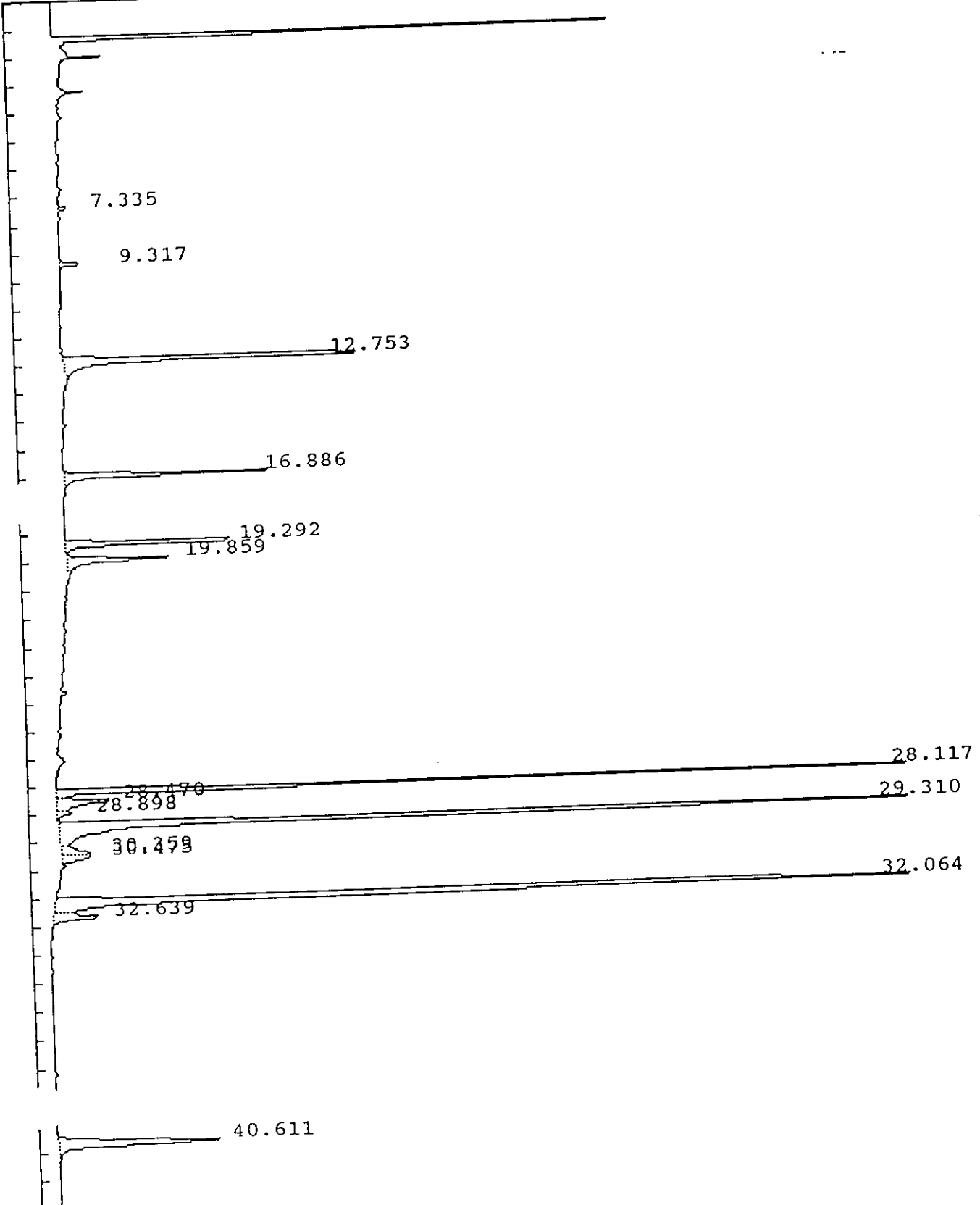
Report Time : 0900 03Feb1993
IEA Pesticide Standard Report
.ethod : /DATA/LOOP/METHOD/A1209R.MTH
Result File : /DATA/LOOP/RESULT/A1209003.RES

0 0307

IEA Pesticide Standard Report

Sample Name : PEM79 Inj on 1652 30Jan1993
Result File : /DATA/LOOP/RESULT/A1209004.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul

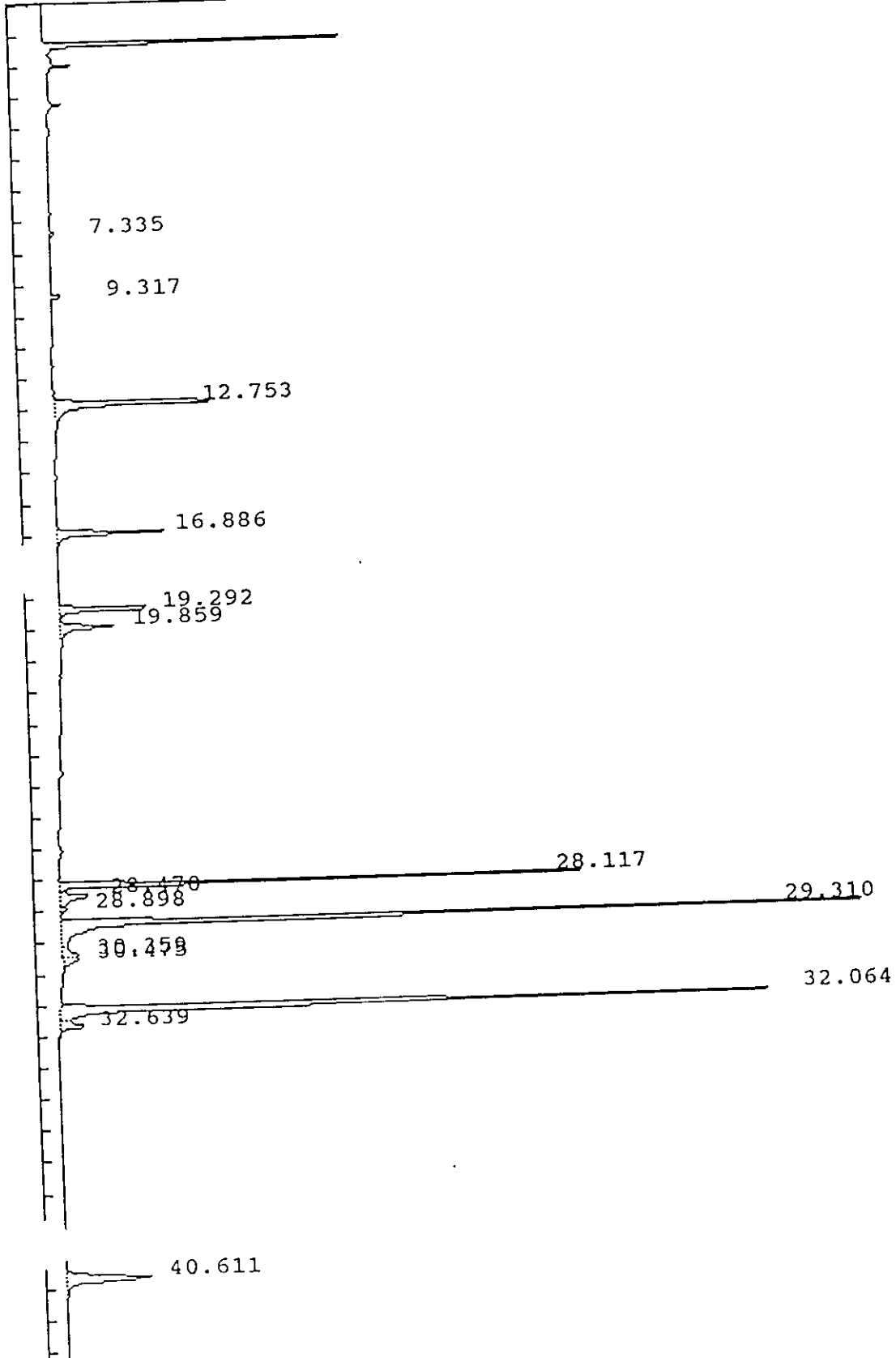
0308



IEA Pesticide Standard Report

Sample Name : PEM79 Inj on 1652 30Jan1993
Result File : /DATA/LOOP/RESULT/A1209004.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul

0309



IEA Pesticide Standard Report

Report No : 91.05

Sample Name : PEM79
 Result File : /DATA/LOOP/RESULT/A1209004.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1652 30Jan1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 1/ 4 Bottle no. : 4

Inj. Vol. : 1 ul

0310

% Dil-Fact
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.34		.096212	13330	BB	0.0000	
2	9.32		.112190	33774	BB	0.0000	
3	12.75	12.77	.142391	665461	BB	.2103	Tetrachloro-m-xylene
4	16.89	16.91	.120981	330079	BB	.0906	alpha-BHC
5	19.29	19.31	.123044	331861	BV	.0962	gamma-BHC (Lindane)
6	19.86	19.88	.154363	204308	VV	.1111	beta-BHC
7	28.12	28.13	.074613	1105186	BV	.5001	Endrin
8	28.47	28.45	.209374	158631	VV	.0747	4,4'-DDD
9	28.90		.144713	27580	VV	0.0000	
10	29.31	29.32	.097894	2203261	PV	1.0239	4,4'-DDT
11	30.36		.228138	80319	VV	0.0000	
12	30.48		.193089	66298	VV	0.0000	
13	32.06	32.08	.122630	2267574	BV	2.4753	Methoxychlor
14	32.64	32.69	.190933	119242	VB	.0427	Endrin ketone
15	40.61	#40.67	.224892	453003	BB	.1138	Decachlorobiphenyl

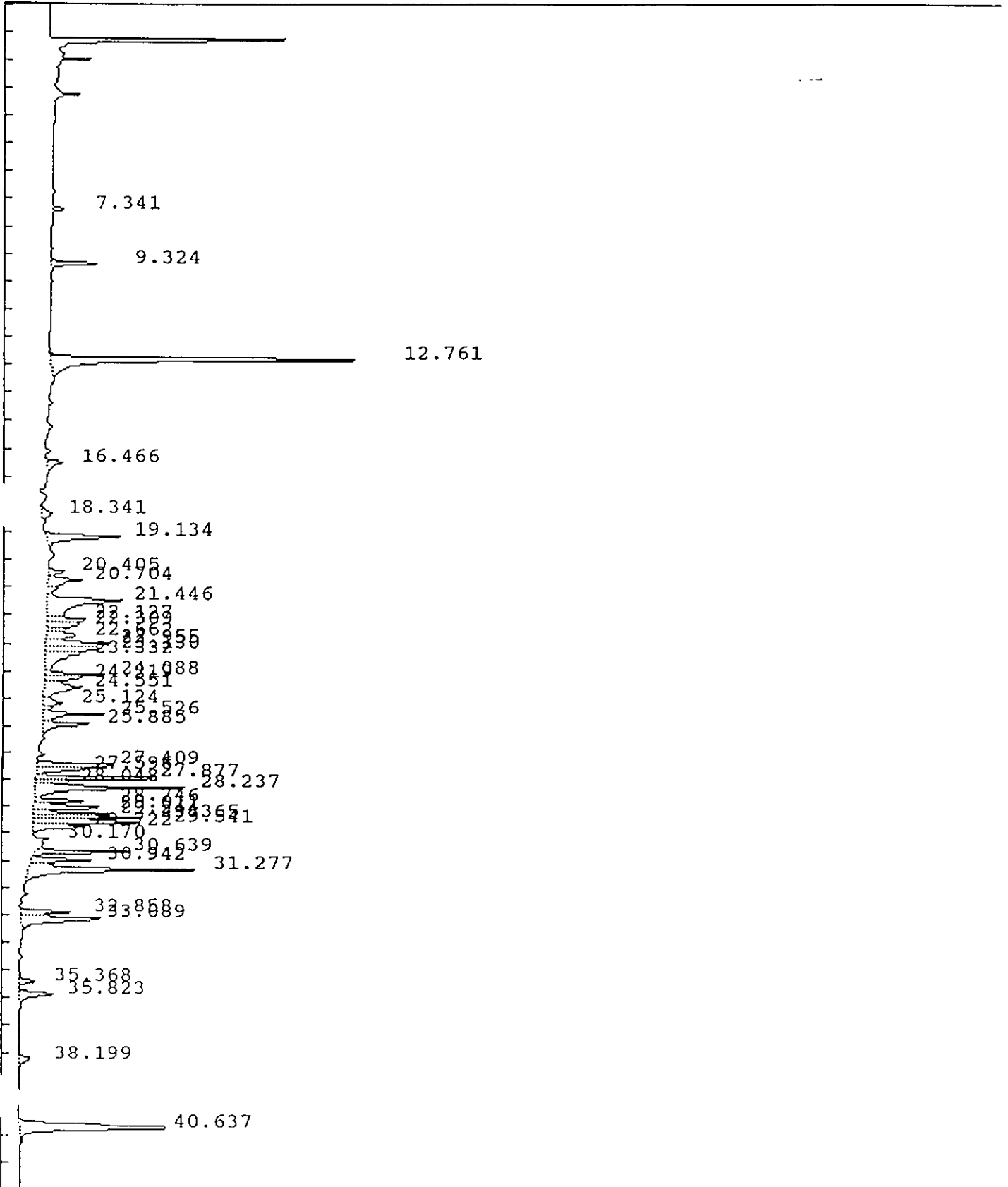
Total Area : 8059910 Total PPB : 4.739

Report Time : 0901 03Feb1993
 Method : /DATA/LOOP/METHOD/A1209R.MTH
 Result File : /DATA/LOOP/RESULT/A1209004.RES

IEA Pesticide Standard Report

Sample Name : AR166033 Inj on 1746 30Jan1993
Result File : /DATA/LOOP/RESULT/A1209005.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul

0 0311



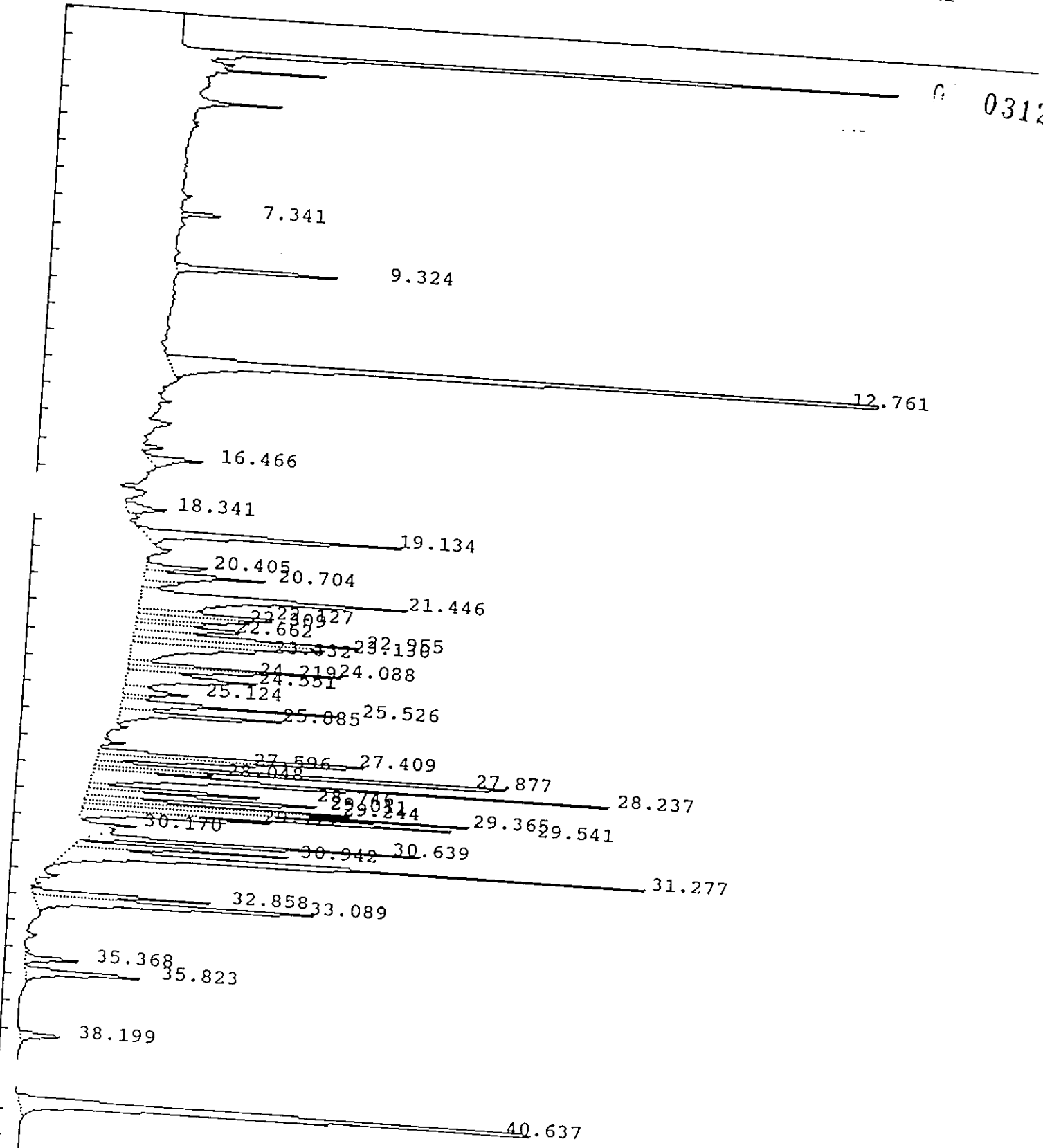
Sample Name : AR166033
Result File : /DATA/LOOP/RESULT/A1209005.RES
Column Type : RTX-35 30-Meter, 0.53mm ID

IEA Pesticide Standard Report

Inj on 1746 30Jan1993

INSTRUMENT: HP58901A
Inj. Vol. : 1 ul

0312



IEA Pesticide Standard Report

Sample Name : AR166033
 Result File : /DATA/LOOP/RESULT/A1209005.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1746 30Jan1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 1/ 5

Report No : 92.04

Inj. Vol. : 1 ul

Bottle no. : 5

0313

% Dil-Fact
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.34		.098593	18501	BB	0.0000	
2	9.32		.116693	82867	BB	0.0000	
3	12.76	12.77	.143509	657936	BV	.2079	Tetrachloro-m-xylene
4	16.47		.190484	43061	PB	0.0000	
5	18.34		.225532	33921	PV	0.0000	
6	19.13		.182789	181381	PB	0.0000	
7	20.41		.154750	40176	BV	0.0000	
8	20.70		.187716	87665	VV	0.0000	
9	21.45		.301714	300297	VV	0.0000	
10	22.13		.170767	95806	VV	0.0000	
11	22.31		.152918	64475	VV	0.0000	
12	22.66		.188844	81745	VV	0.0000	
13	22.96	22.99	.155840	132619	VV	.0403	Aldrin
14	23.13		.166560	129588	VV	0.0000	
15	23.33		.290771	141583	VV	0.0000	
16	24.09		.116284	99809	VV	0.0000	
17	24.22		.134580	64580	VV	0.0000	
18	24.55		.275190	141166	VV	0.0000	
19	25.12	25.07	.213385	51427	VV	.0169	Heptachlor epoxide
20	25.53		.123315	111534	VV	0.0000	
21	25.89		.138204	100886	VV	0.0000	
22	27.41		.138551	173859	PV	0.0000	
23	27.60		.109069	67239	VV	0.0000	
24	27.88		.096101	222673	VV	0.0000	
25	28.05		.101684	47888	VV	0.0000	
26	28.24		.135200	287903	VV	0.0000	
27	28.75		.098085	81976	VV	0.0000	
28	29.01		.158627	140913	VV	0.0000	
29	29.24		.097110	104760	VV	0.0000	
30	29.36	29.32	.108752	166462	VV	.0774	4,4'-DDT
31	29.54	29.50	.104286	178563	VV	.0906	Endrin aldehyde
32	29.72		.118262	103360	VV	0.0000	
33	30.17		.080538	14555	PV	0.0000	
34	30.64		.101575	142006	BV	0.0000	
35	30.94		.118126	98431	PV	0.0000	
36	31.28		.157615	362042	VV	0.0000	
37	32.86		.128331	89040	PV	0.0000	
38	33.09		.197543	223462	VB	0.0000	
39	35.37		.162084	32892	BV	0.0000	
40	35.82		.188398	84100	PB	0.0000	

IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB
41	38.20		.184699	28545	BB	0.0000
42	40.64	#40.67	.227101	452947	BB	.1138

Name
Decachlorobiphenyl

Total Area : 5764640 Total PPB : .547

Report Time : 0903 03Feb1993
Method : /DATA/LOOP/METHOD/A1209R.MTH
Result File : /DATA/LOOP/RESULT/A1209005.RES

0314

IEA Pesticide Standard Report

Sample Name : AR122123

Inj on 1840 30Jan1993

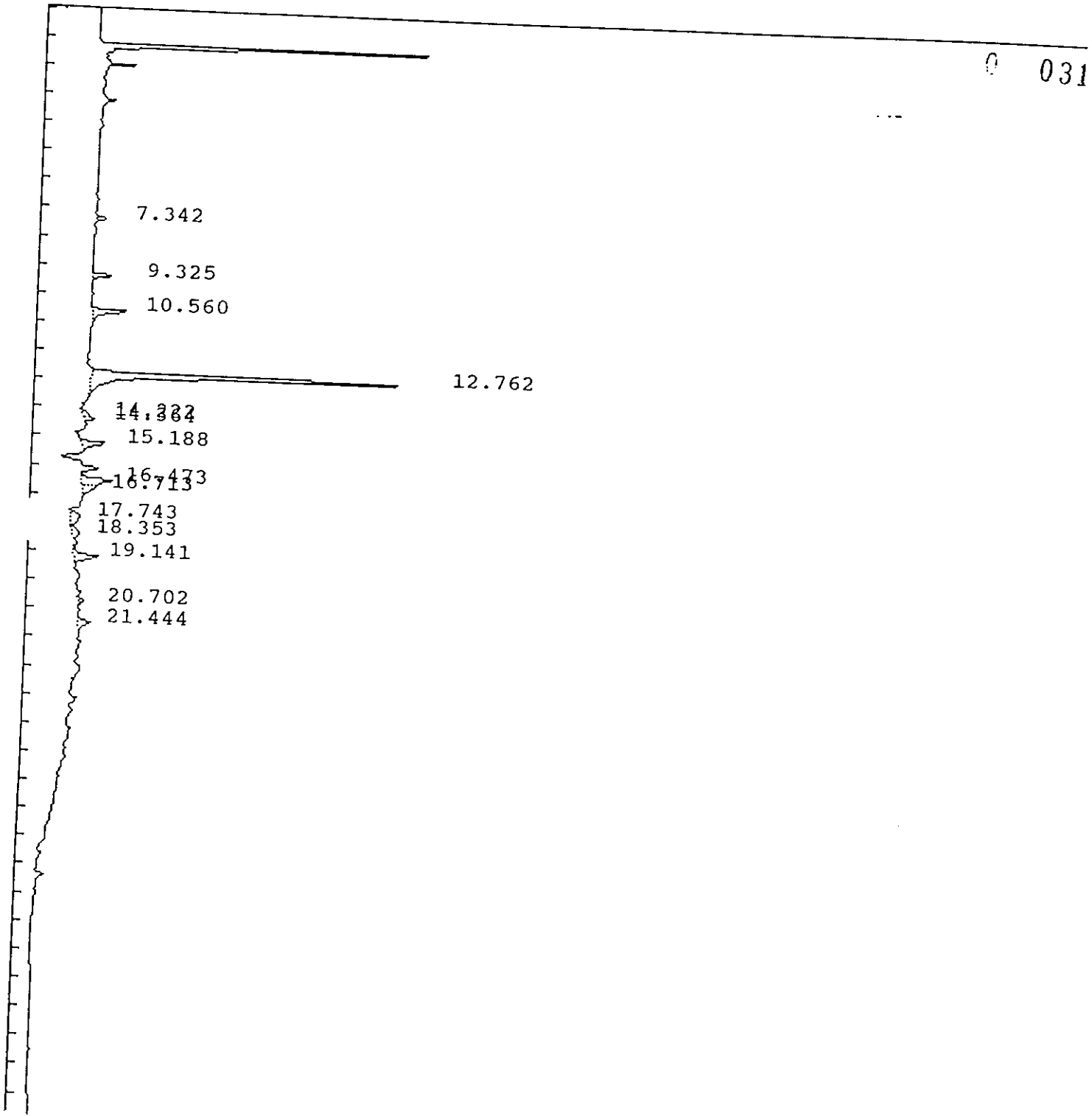
Result File : /DATA/LOOP/RESULT/A1209006.RES

INSTRUMENT: HP58901A

Column Type : RTX-35 30-Meter, 0.53mm ID

Inj. Vol. : 1 ul

0315



40.635

IEA Pesticide Standard Report

Sample Name : AR122123

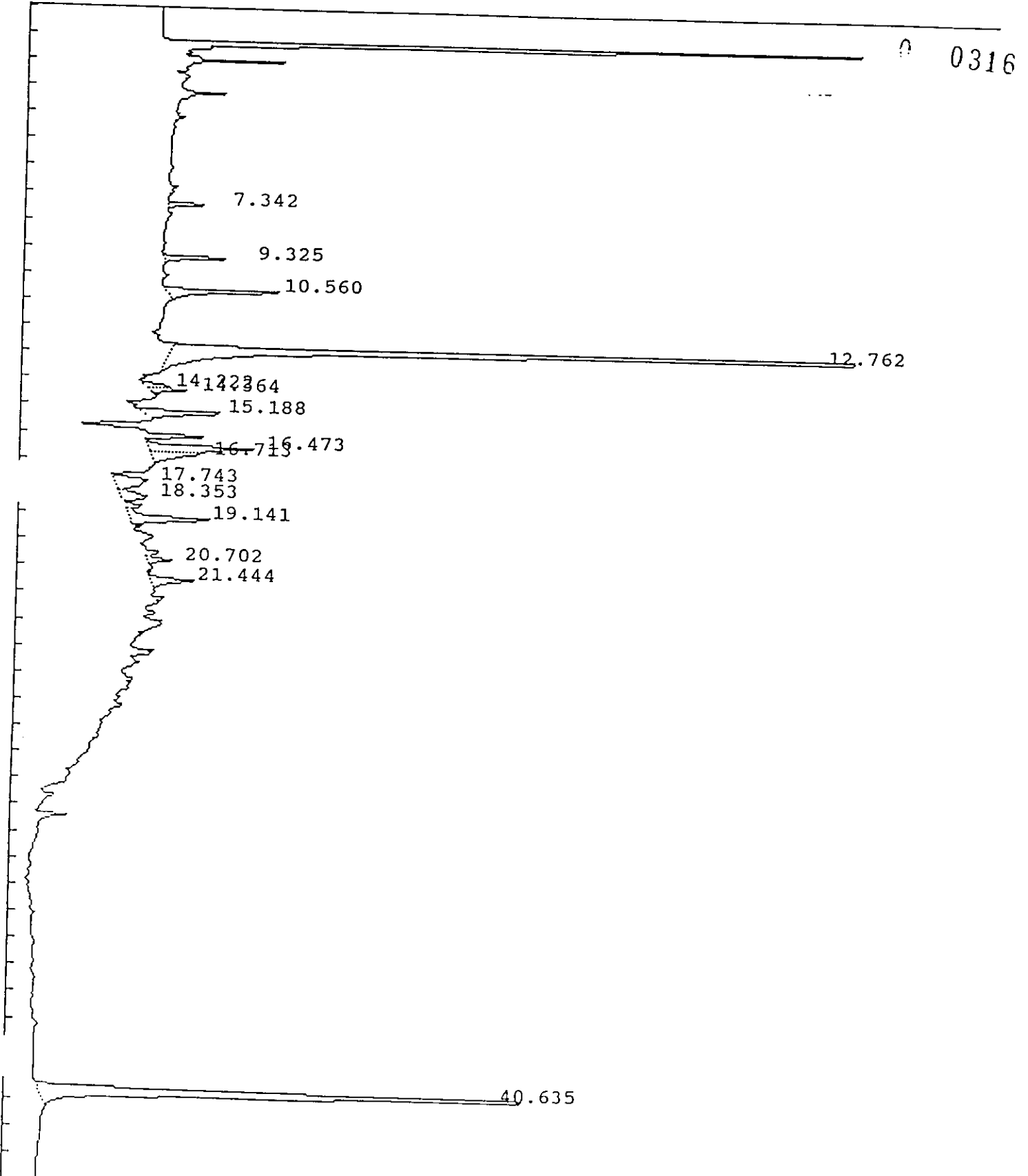
Inj on 1840 30Jan1993

Result File : /DATA/LOOP/RESULT/A1209006.RES

INSTRUMENT: HP58901A

Column Type : RTX-35 30-Meter, 0.53mm ID

Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : AR122123
 Result File : /DATA/LOOP/RESULT/A1209006.RES
 Column Type : RTX-35 30 Meter,0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1840 30Jan1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 1/ 6

Report No : 93.04
 Inj. Vol. : 1 ul

0317

Bottle no. : 6

% Dil-Fact
 100.00

Run Status : RunStatusOK

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.34		.096185	16145	BB	0.0000	
2	9.33		.113799	30570	BB	0.0000	
3	10.56		.148197	73361	BB	0.0000	
4	12.76	12.77	.142837	628345	BB	.1986	Tetrachloro-m-xylene
5	14.22		.151572	15502	BV	0.0000	
6	14.36		.110927	16728	VV	0.0000	
7	15.19		.175005	58245	BB	0.0000	
8	16.47		.191018	78951	PV	0.0000	
9	16.71		.208496	41243	VB	0.0000	
10	17.74		.354600	45019	BV	0.0000	
11	18.35		.270456	27932	VV	0.0000	
12	19.14		.212418	67230	VV	0.0000	
13	20.70		.135446	13671	VV	0.0000	
14	21.44		.198428	33072	BB	0.0000	
15	40.63	#40.67	.229233	443317	BB	.1114	Decachlorobiphenyl

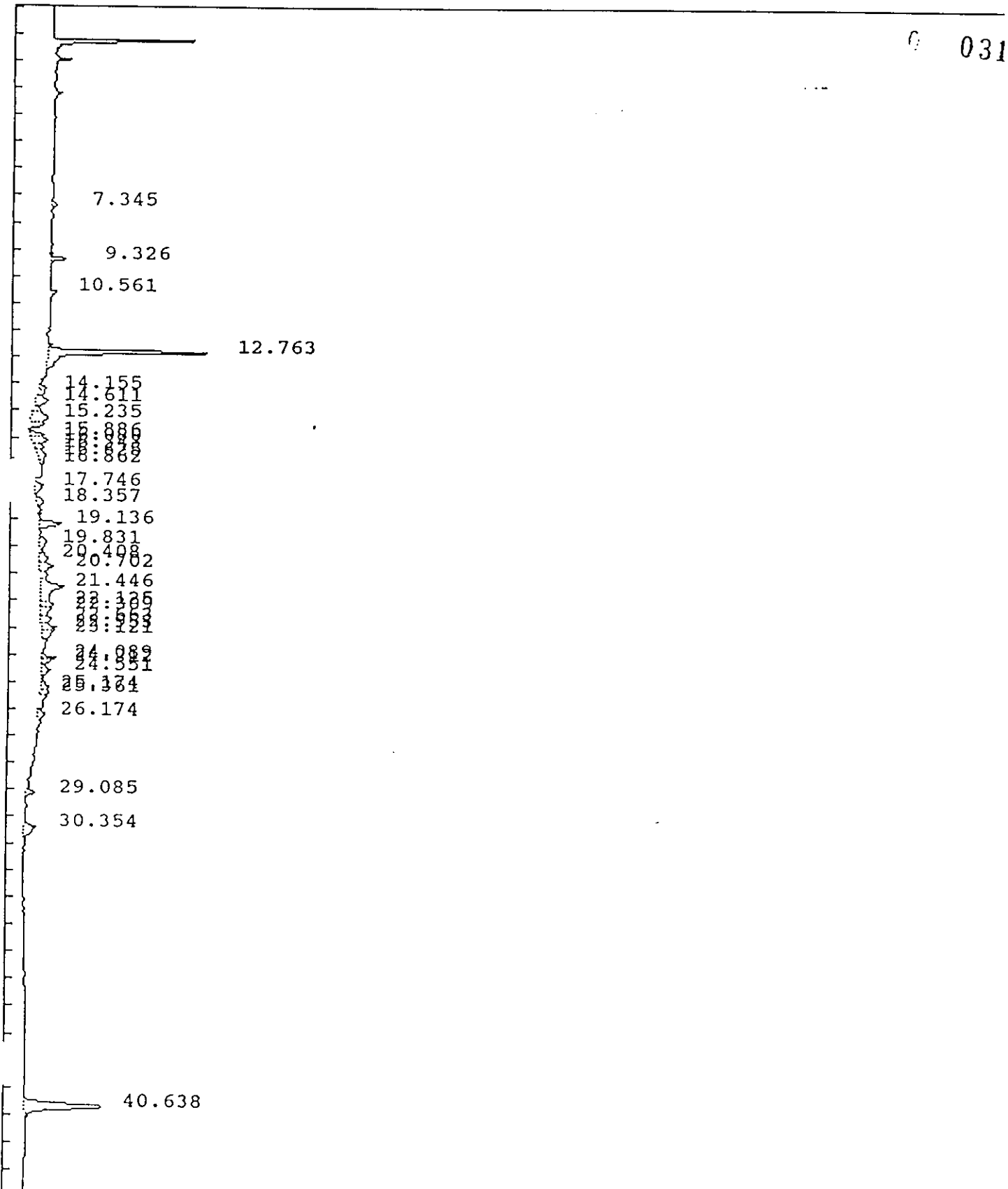
Total Area : 1589331 Total PPB : .310

Report Time : 0905 03Feb1993
 Method : /DATA/LOOP/METHOD/A1209R.MTH
 Result File : /DATA/LOOP/RESULT/A1209006.RES

IEA Pesticide Standard Report

Sample Name : AR123223 Inj on 1934 30Jan1993
Result File : /HP58901A/A1209007.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul

0318

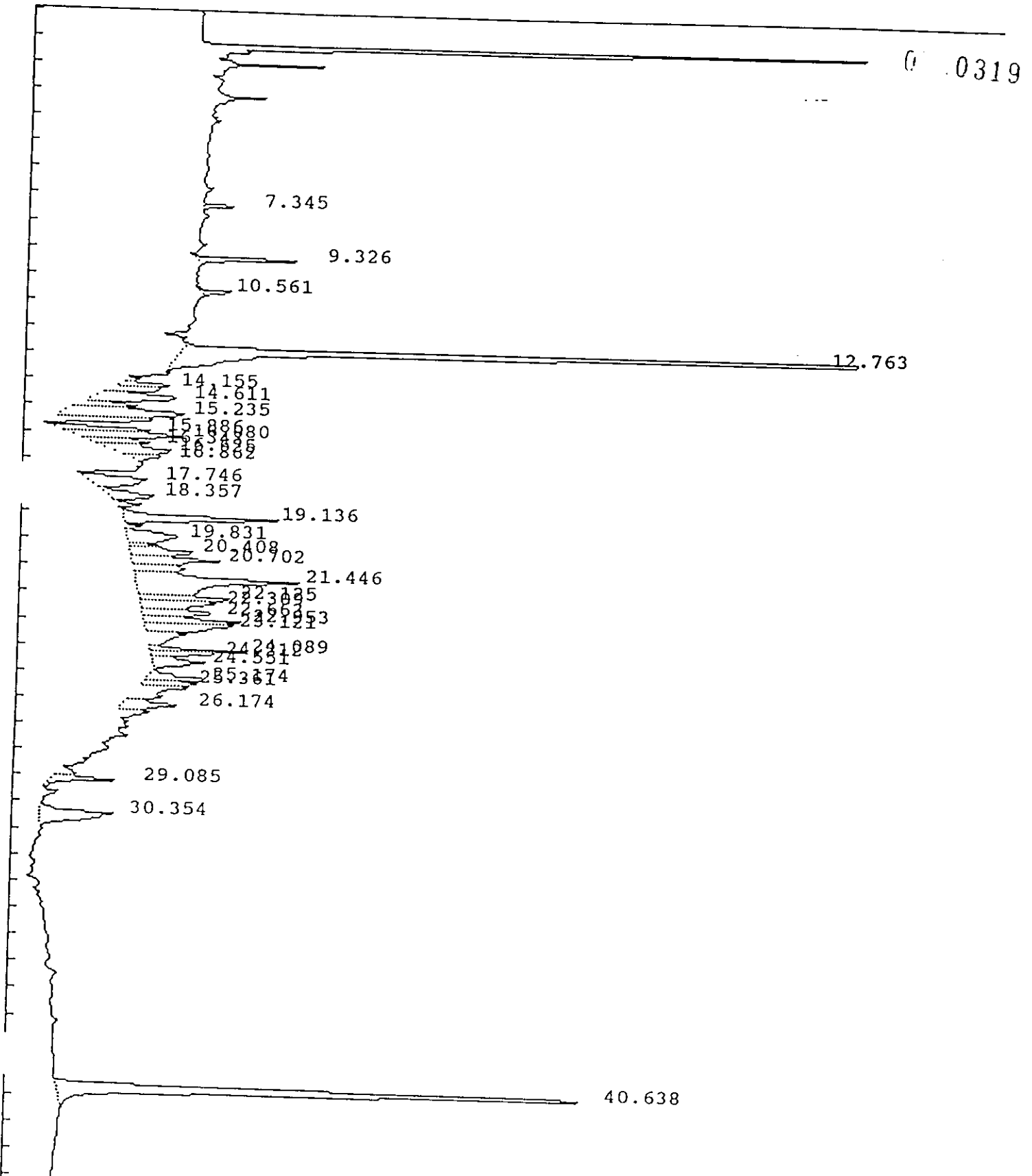


IEA Pesticide Standard Report

Sample Name : AR123223
Result File : /HP58901A/A1209007.RES
Column Type : RTX-35 30-Meter, 0.53mm ID

Inj on 1934 30Jan1993

INSTRUMENT: HP58901A
Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : AR123223
 Result File : /HP58901A/A1209007.RES
 Column Type : RTX-35 30 Meter,0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 1934 30Jan1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 1/ 7

Report No : 94.46
 Inj. Vol. : 1 ul

Bottle no. : 7

0320

% Dil-Fact
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.34		.096698	12979	BB	0.0000	
2	9.33		.115471	49068	BB	0.0000	
3	10.56		.117770	15782	BB	0.0000	
4	12.76	12.77	.144785	652228	BB	.2061	Tetrachloro-m-xylene
5	14.15		.182952	31422	PV	0.0000	
6	14.61		.292445	82122	VV	0.0000	
7	15.23		.299522	125997	VV	0.0000	
8	15.89		.182234	60964	PV	0.0000	
9	16.08		.216075	86632	VV	0.0000	
10	16.34		.156643	35011	VV	0.0000	
11	16.62		.291634	65264	VV	0.0000	
12	16.86	16.91	.166885	22190	VV	.0061	alpha-BHC
13	17.75		.331807	75373	PV	0.0000	
14	18.36		.257964	43686	VV	0.0000	
15	19.14		.197259	112116	BV	0.0000	
16	19.83	19.88	.360651	65559	VV	.0356	beta-BHC
17	20.41		.217300	52132	VV	0.0000	
18	20.70		.220795	74286	VV	0.0000	
19	21.45		.400525	237272	VV	0.0000	
20	22.12		.169415	59307	VV	0.0000	
21	22.31		.236723	63722	VV	0.0000	
22	22.66		.221528	58856	VV	0.0000	
23	22.95	22.99	.156056	57171	VV	.0174	Aldrin
24	23.12		.236881	83126	VV	0.0000	
25	24.09		.114657	43992	VV	0.0000	
26	24.21		.132568	29732	VV	0.0000	
27	24.55		.228998	46621	VB	0.0000	
28	25.17		.175475	41301	BV	0.0000	
29	25.36		.133814	28948	VV	0.0000	
30	26.17	26.22	.230806	47263	VV	.0135	alpha-Chlordane
31	29.09		.126780	32693	VV	0.0000	
32	30.35		.343054	91826	PV	0.0000	
33	40.64	#40.67	.231305	454475	BB	.1142	Decachlorobiphenyl

Total Area : 3039114 Total PPB : .393

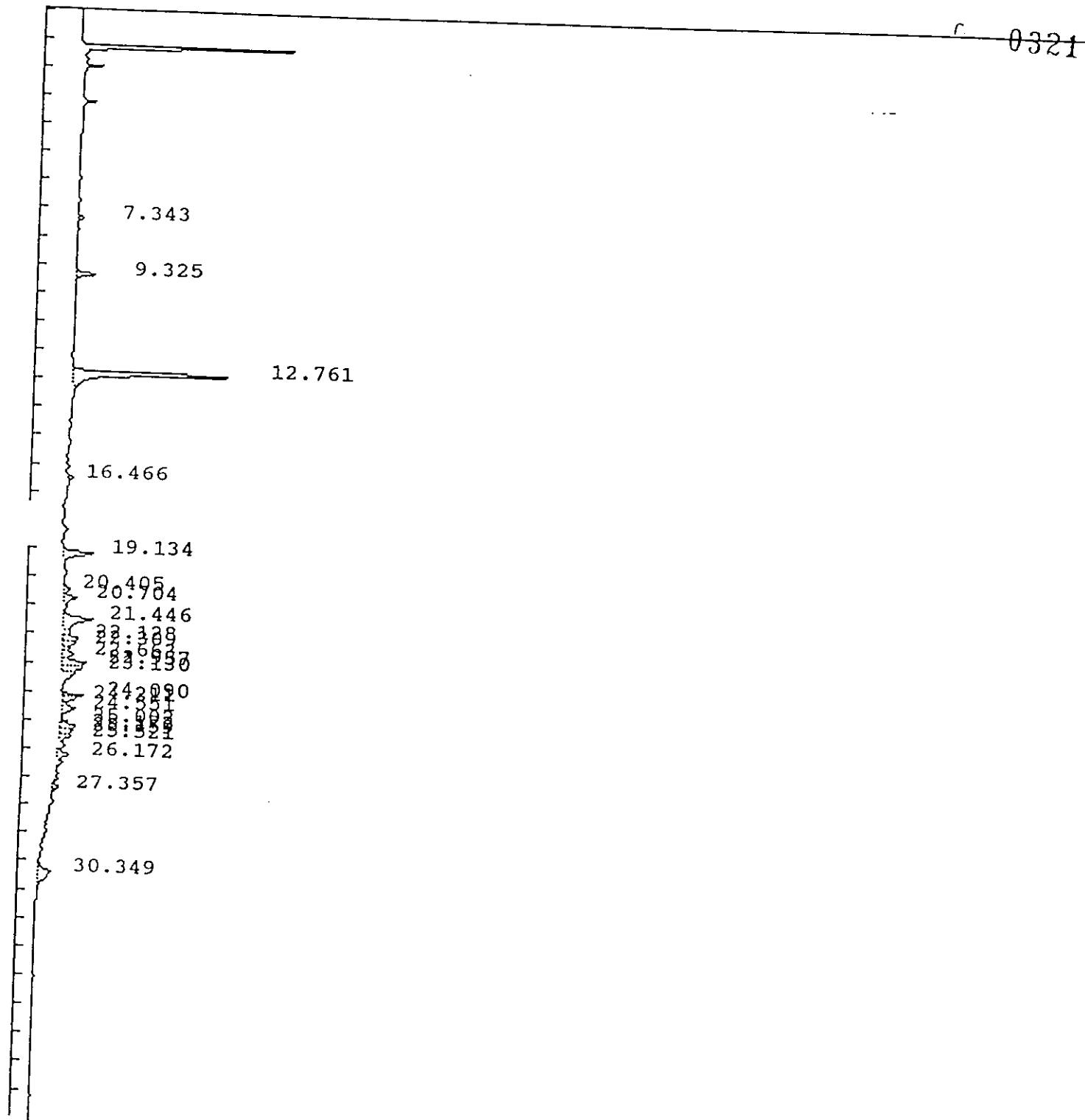
Report Time : 1051 18Feb1993
 Method : /DATA/LOOP/METHOD/A1209_007.MT
 Result File : /HP58901A/A1209007.RES

IEA Pesticide Standard Report

Sample Name : AR124233
Result File : /HP58901A/A1209008.RES
Column Type : RTX-35 30-Meter,0.53mm ID

Inj on 2027 30Jan1993

INSTRUMENT: HP58901A
Inj. Vol. : 1 ul



40.640

IEA Pesticide Standard Report

Sample Name : AR124233

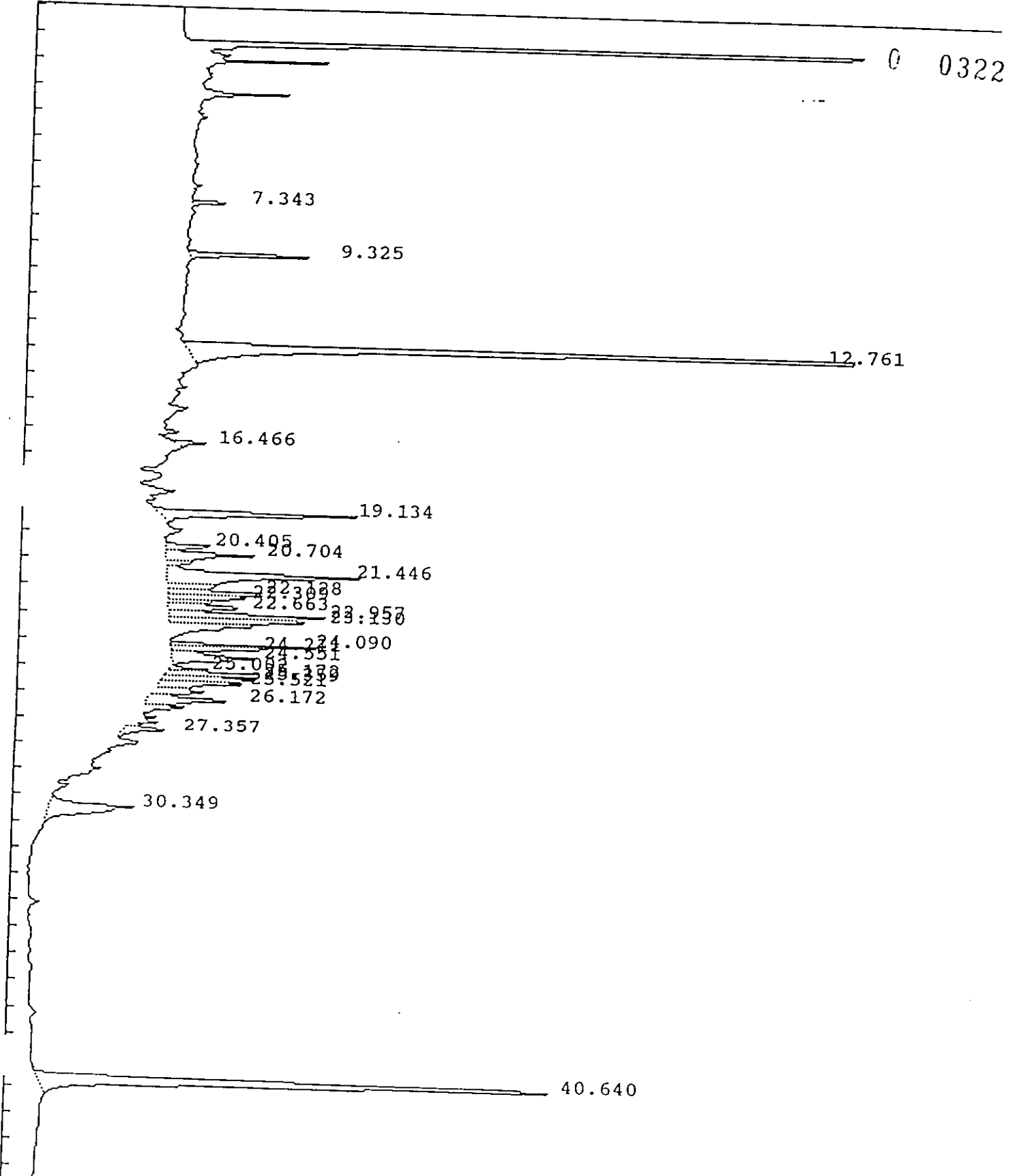
Inj on 2027 30Jan1993

Result File : /HP58901A/A1209008.RES

INSTRUMENT: HP58901A

Column Type : RTX-35 30-Meter, 0.53mm ID

Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : AR124233
 Result File : /HP58901A/A1209008.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 2027 30Jan1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 1/ 8
 Report No : 95.24
 Inj. Vol. : 1 ul
 Bottle no. : 8

0323

% Dil-Fact
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.34		.098239	14813	BB	0.0000	
2	9.32		.115587	57436	BB	0.0000	
3	12.76	12.77	.146291	618886	BB	.1956	Tetrachloro-m-xylene
4	16.47		.133352	17558	BB	0.0000	
5	19.13		.178943	130073	BB	0.0000	
6	20.40		.155110	27469	BV	0.0000	
7	20.70		.180339	59515	VV	0.0000	
8	21.45		.273844	190095	VV	0.0000	
9	22.13		.160542	60689	VV	0.0000	
10	22.31		.157061	44293	VV	0.0000	
11	22.66		.181027	49845	VV	0.0000	
12	22.96	22.99	.155658	86745	VV	.0264	Aldrin
13	23.13		.163633	86635	VV	0.0000	
14	24.09		.103685	59278	PV	0.0000	
15	24.21		.125945	40902	VV	0.0000	
16	24.55		.209002	68507	VB	0.0000	
17	25.00	25.07	.081355	11458	BV	.0038	Heptachlor epoxide
18	25.17		.143552	56914	VV	0.0000	
19	25.36		.129649	46736	VV	0.0000	
20	25.52		.161040	50572	VV	0.0000	
21	26.17	26.22	.191979	60333	VV	.0173	alpha-Chlordane
22	27.36		.133256	23910	VV	0.0000	
23	30.35		.354429	105506	BB	0.0000	
24	40.64	#40.67	.232071	434939	BB	.1093	Decachlorobiphenyl

Total Area : 2403109 Total PPB : .352

Report Time : 1056 18Feb1993
 Method : /DATA/LOOP/METHOD/A1209_007.MT
 Result File : /HP58901A/A1209008.RES

IEA Pesticide Standard Report

Sample Name : AR124833

Inj on 2121 30Jan1993

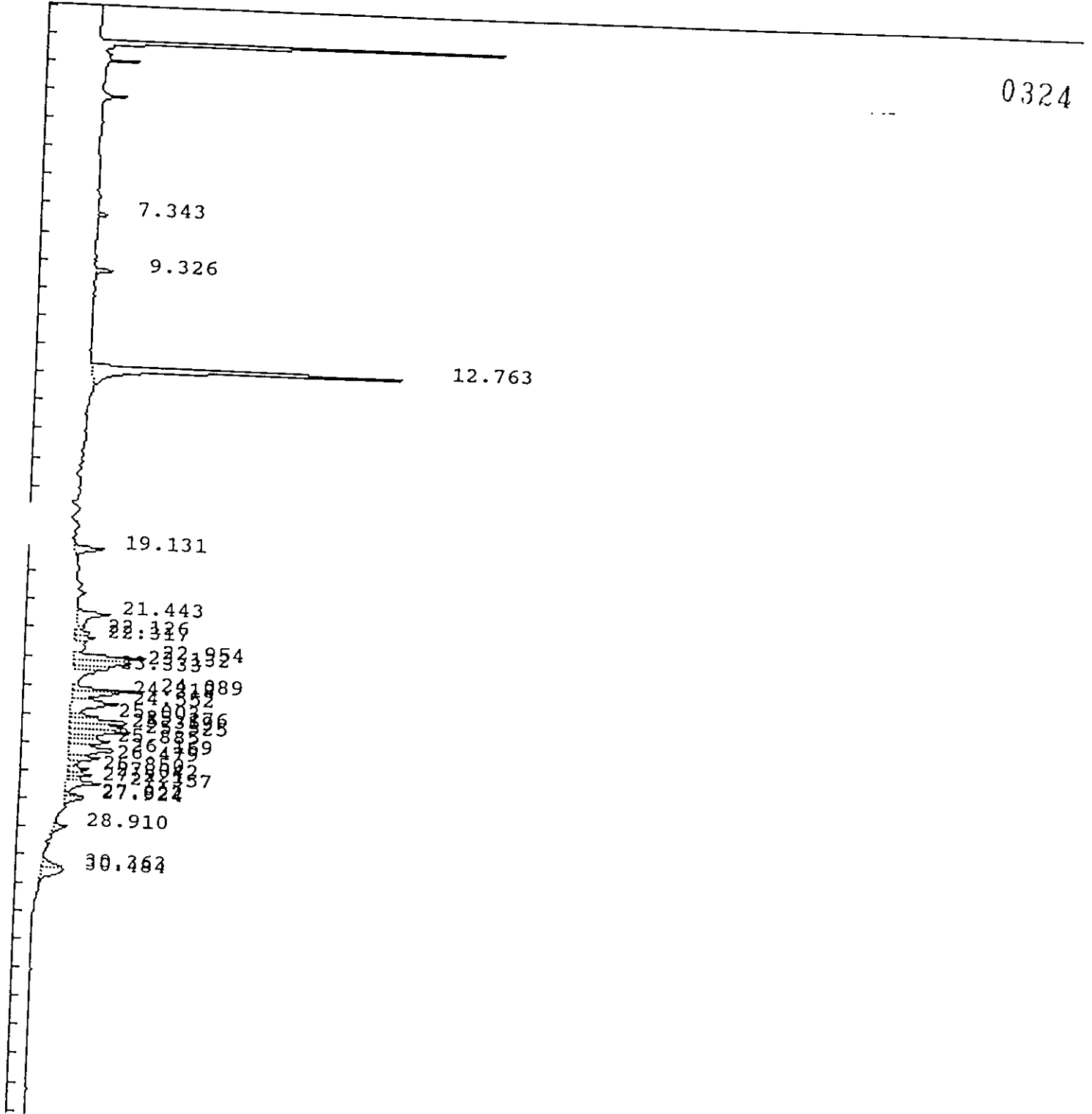
Result File : /DATA/LOOP/RESULT/A1209009.RES

INSTRUMENT: HP58901A

Column Type : RTX-35 30-Meter, 0.53mm ID

Inj. Vol. : 1 ul

0324



40.641

IEA Pesticide Standard Report

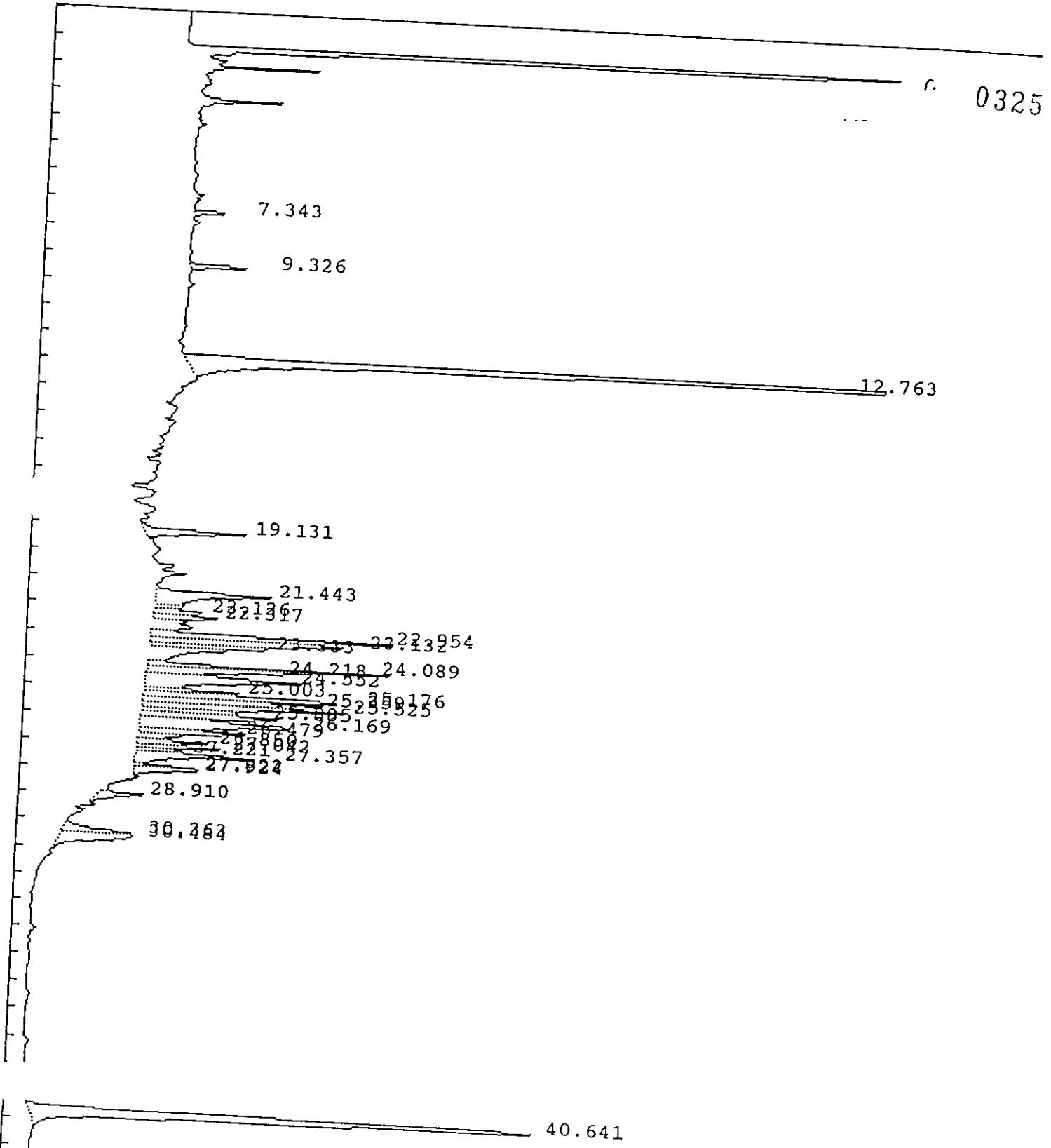
Sample Name : AR124833

Inj on 2121 30Jan1993

Result File : /DATA/LOOP/RESULT/A1209009.RES

INSTRUMENT: HP58901A
Inj. Vol. : 1 ul

Column Type : RTX-35 30-Meter, 0.53mm ID



IEA Pesticide Standard Report

Sample Name : AR124833
 Result File : /DATA/LOOP/RESULT/A1209009.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 2121 30Jan1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 1/ 9

Report No : 96.04
 Inj. Vol. : 1 ul

Bottle no. : 9

0326

% Dil-Fact
 100.00

Run Status : RunStatusOK

PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.34		.097391	13967	BB	0.0000	
2	9.33		.112371	27339	BB	0.0000	
3	12.76	12.77	.144888	645569	BB	.2040	Tetrachloro-m-xylene
4	19.13		.183582	70477	BV	0.0000	
5	21.44		.263585	112205	BV	0.0000	
6	22.13		.145605	27953	VV	0.0000	
7	22.32		.145712	37658	VV	0.0000	
8	22.95	22.99	.139146	130030	VV	.0395	Aldrin
9	23.13		.165670	129299	VV	0.0000	
10	23.33		.120125	55226	VV	0.0000	
11	24.09		.111528	111329	VV	0.0000	
12	24.22	<i>AK1142</i>	.137442	70723	VV	0.0000	
13	24.55		.256851	160783	VV	0.0000	
14	25.00	25.07	.101036	36458	VV	.0120	Heptachlor epoxide
15	25.18		.153410	126353	VV	0.0000	
16	25.36		.132863	97404	VV	0.0000	
17	25.53		.133830	108307	VV	0.0000	
18	25.89		.137954	78510	VV	0.0000	
19	26.17	26.22	.227449	142136	VV	.0407	alpha-Chlordane
20	26.48		.133089	60710	VV	0.0000	
21	26.85		.127791	35356	VV	0.0000	
22	27.04		.113402	39553	VV	0.0000	
23	27.22		.094250	21045	VV	0.0000	
24	27.36		.148675	80158	VV	0.0000	
25	27.82		.100046	23382	VV	0.0000	
26	27.92		.127275	31045	VV	0.0000	
27	28.91		.179705	29271	VV	0.0000	
28	30.36		.176882	44890	BV	0.0000	
29	30.48		.283206	74134	VB	0.0000	
30	40.64	#40.67	.230500	445098	BB	.1119	Decachlorobiphenyl

Total Area : 3066368 Total PPB : .408

Report Time : 0911 03Feb1993
 Method : /DATA/LOOP/METHOD/A1209R.MTH
 Result File : /DATA/LOOP/RESULT/A1209009.RES

IEA Pesticide Standard Report

Sample Name : AR125433

Inj on 2215 30Jan1993

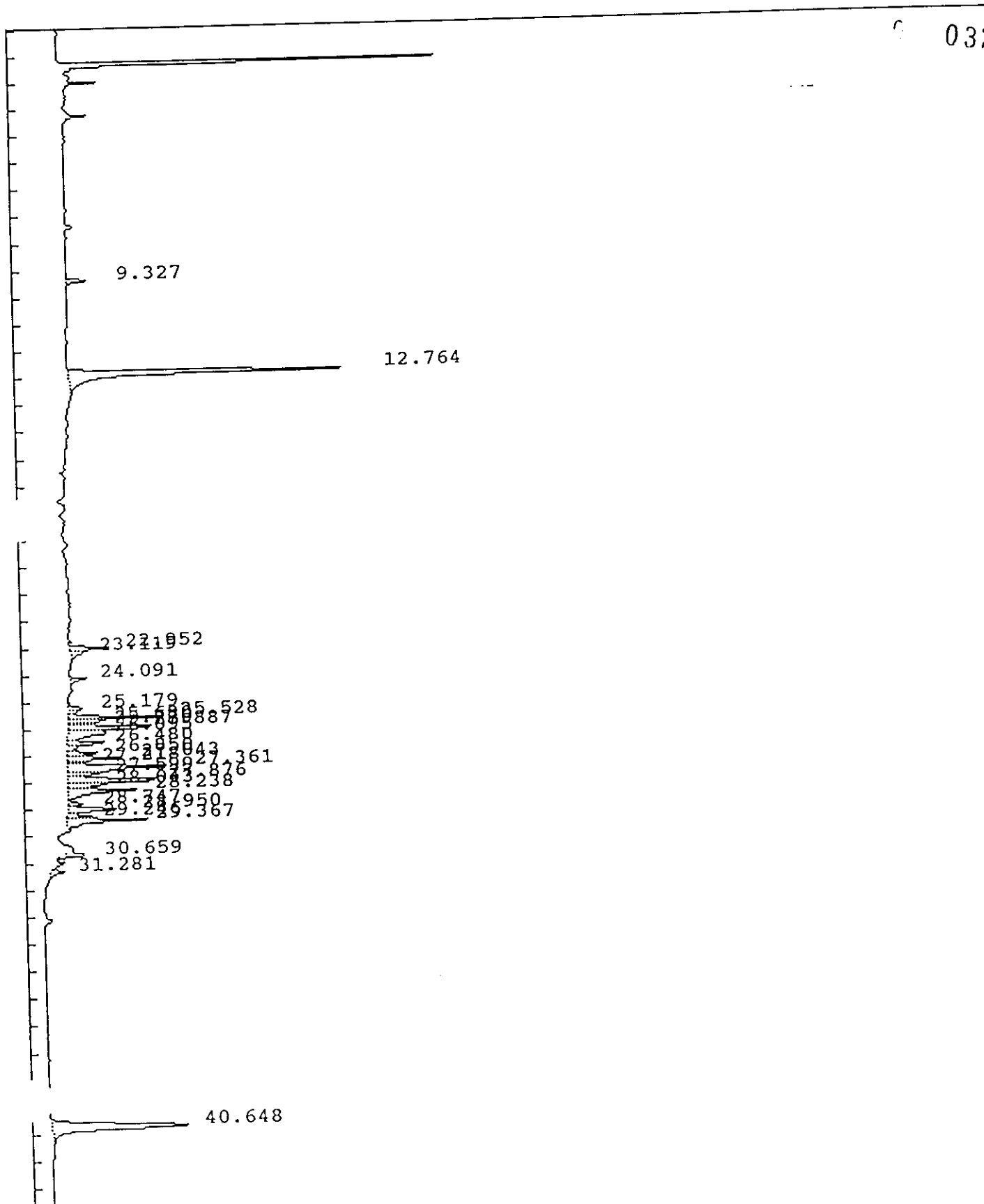
Result File : /DATA/LOOP/RESULT/A1209010.RES

INSTRUMENT: HP58901A

Column Type : RTX-35 30-Meter, 0.53mm ID

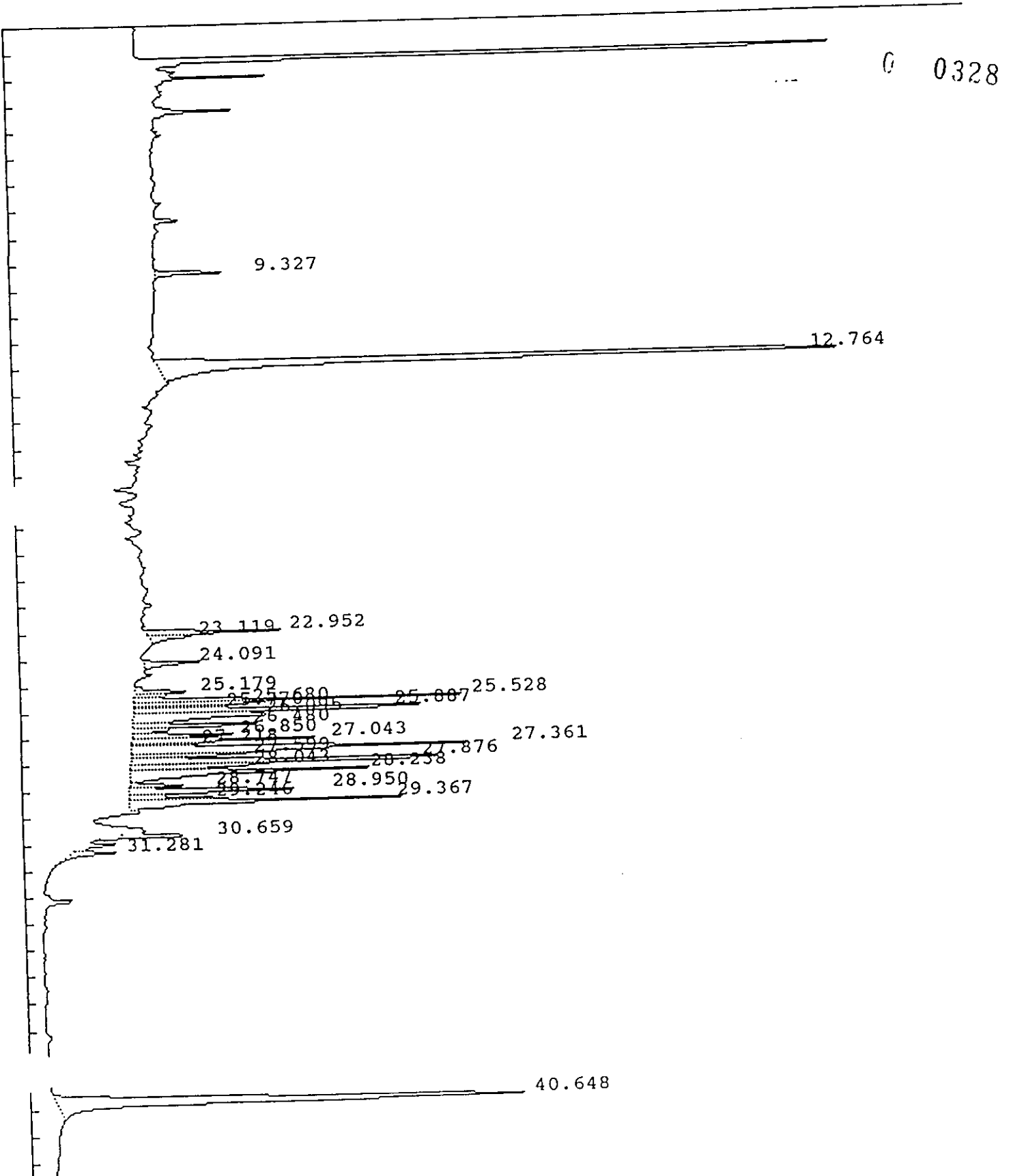
Inj. Vol. : 1 ul

0327



IEA Pesticide Standard Report

Sample Name : AR125433 Inj on 2215 30Jan1993
Result File : /DATA/LOOP/RESULT/A1209010.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Report No : 97.04

Sample Name : AR125433
 Result File : /DATA/LOOP/RESULT/A1209010.RES
 Column Type : RTX-35 30 Meter,0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 2215 30Jan1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 1/ 10

Inj. Vol. : 1 ul

Bottle no. : 10

0329

% Dil-Fact
 100.00

Run Status : RunStatusOK

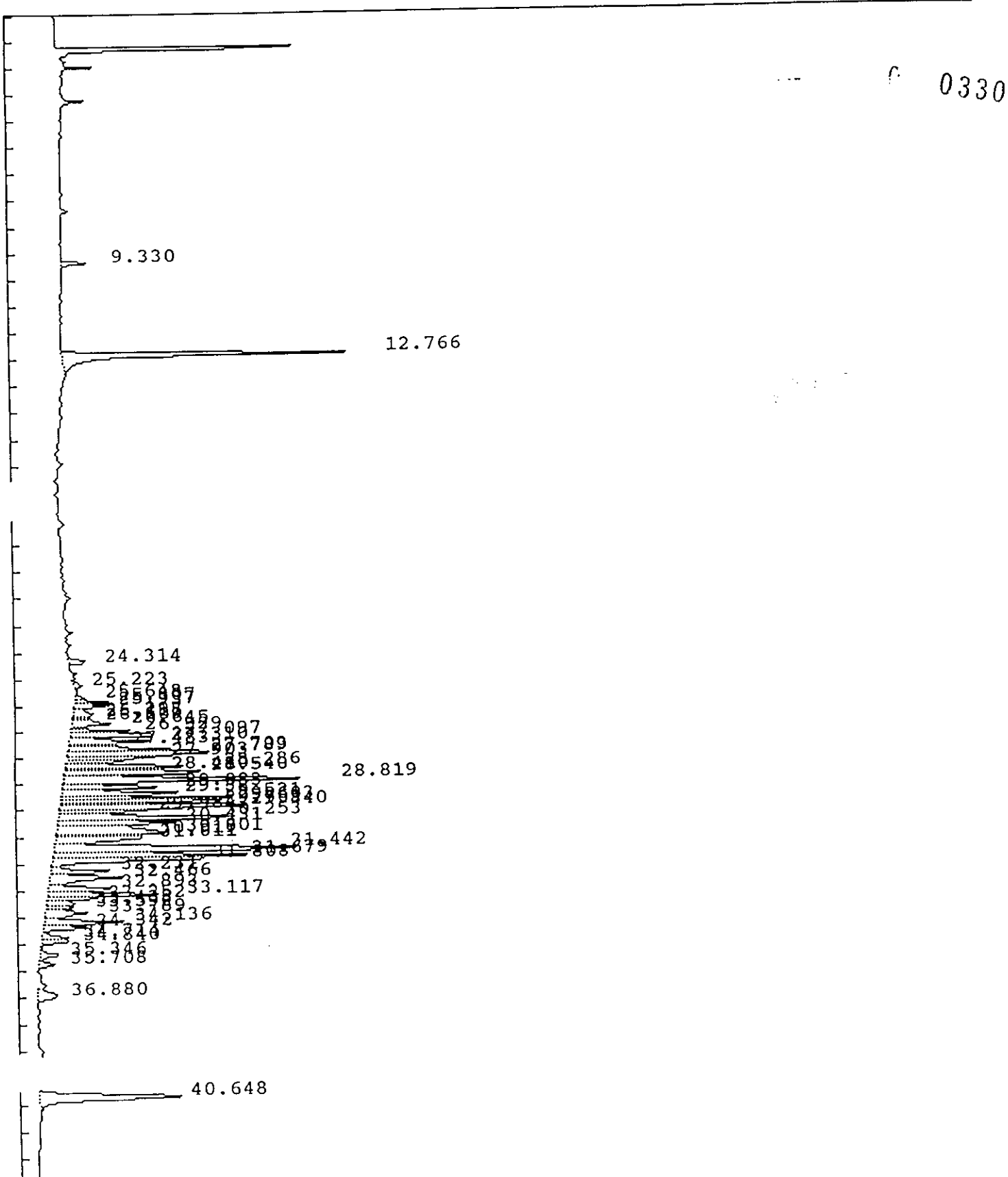
PK#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.33		.113652	33614	BB	0.0000	
2	12.76	12.77	.150411	610495	BB	.1929	Tetrachloro-m-xylene
3	22.95	22.99	.116359	64085	BV	.0195	Aldrin
4	23.12		.150185	26198	VB	0.0000	
5	24.09		.122588	30583	BB	0.0000	
6	25.18		.140161	31316	BV	0.0000	
7	<u>25.53</u>		.100094	138599	VV	0.0000	
8	25.68	25.72	.092570	41026	VV	.0127	gamma-Chlordane
9	25.77		.062735	21394	VV	0.0000	
10	<u>25.89</u>		.124631	166421	VV	0.0000	
11	<u>26.10</u>		.186204	112693	VV	0.0000	
12	26.48		.109413	64394	VV	0.0000	
13	26.85		.116060	48280	VV	0.0000	
14	27.04		.111237	87384	VV	0.0000	
15	27.22	27.15	.091985	26828	VV	.0090	Dieldrin
16	<u>27.36</u>		.156101	224874	VV	0.0000	
17	27.60		.119606	52664	VV	0.0000	
18	27.88		.155478	214794	VV	0.0000	
19	28.04		.110847	50734	VV	0.0000	
20	28.24		.161856	160786	VV	0.0000	
21	28.75		.084907	22878	VV	0.0000	
22	28.95		.135181	101342	VV	0.0000	
23	29.25		.099139	35084	VV	0.0000	
24	29.37	29.32	.123298	141087	VV	.0656	4,4'-DDT
25	30.66		.101826	32623	BV	0.0000	
26	31.28		.137289	23714	VB	0.0000	
27	40.65	#40.67	.239069	432711	BB	.1087	Decachlorobiphenyl

Total Area : 2996606 Total PPB : .408

Report Time : 0912 03Feb1993
 Method : /DATA/LOOP/METHOD/A1209R.MTH
 Result File : /DATA/LOOP/RESULT/A1209010.RES

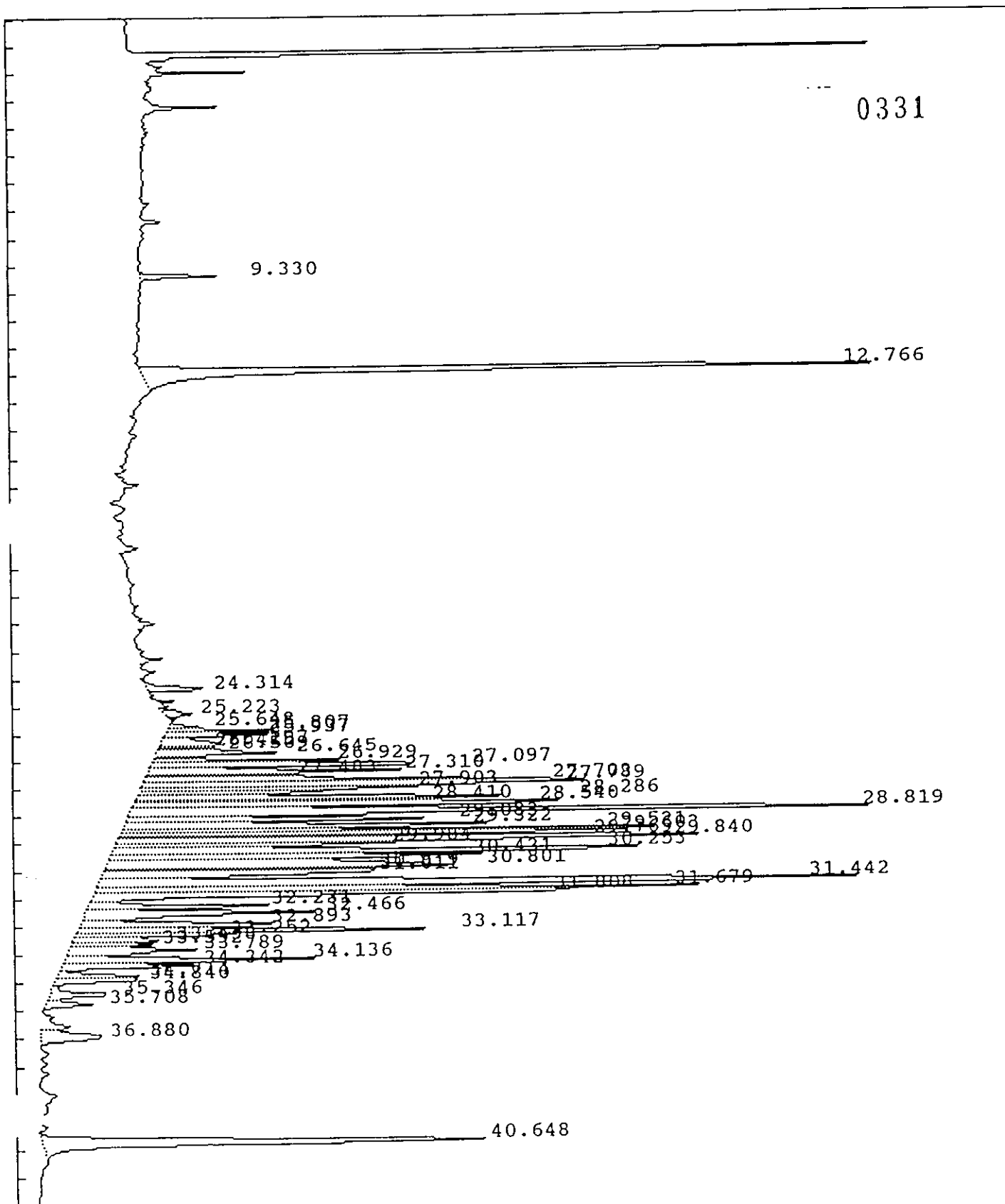
IEA Pesticide Standard Report

Sample Name : TOXAPH23 Inj on 2309 30Jan1993
Result File : /DATA/LOOP/RESULT/A1209011.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : TOXAPH23 Inj on 2309 30Jan1993
Result File : /HP58901A/A1209011.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : TOXAPH23 Report No : 98.04
 Result File : /DATA/LOOP/RESULT/A1209011.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 2309 30Jan1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 1/ 11 Bottle no. : 11

% Dil-Fact
100.00

0332

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.33		.113758	41464	BB	0.0000	
2	12.77	12.77	.147238	623762	BB	.1971	Tetrachloro-m-xylene
3	24.31		.134380	41128	BB	0.0000	
4	25.22		.161225	22379	PV	0.0000	
5	25.65		.073766	11335	BV	0.0000	
6	25.81		.094711	45877	VV	0.0000	
7	25.94		.107358	51474	VV	0.0000	
8	26.30	26.25	.213336	55083	VV	.0204	Endosulfan I
9	26.41		.081186	19759	VV	0.0000	
10	26.51		.087260	24398	VV	0.0000	
11	26.65		.127814	70089	VV	0.0000	
12	26.93	26.93	.092905	81052	VV	.0305	4,4'-DDE
13	27.10	27.15	.130375	176841	VV	.0591	Dieldrin
14	27.31		.128577	148043	VV	0.0000	
15	27.48		.092835	74190	VV	0.0000	
16	27.70		.130600	236233	VV	0.0000	
17	27.79		.114399	221071	VV	0.0000	
18	27.90		.118941	140954	VV	0.0000	
19	28.29		.104735	196657	VV	0.0000	
20	28.41	28.45	.108661	154278	VV	.0726	4,4'-DDD
21	28.54		.112698	249202	VV	0.0000	
22	28.82		.160067	572122	VV	0.0000	
23	29.08		.127907	177043	VV	0.0000	
24	29.32	29.32	.155799	259924	VV	.1208	4,4'-DDT
25	29.52	29.50	.097180	259943	VV	.1319	Endrin aldehyde
26	29.60		.086102	181767	VV	0.0000	
27	29.77		.082290	183160	VV	0.0000	
28	29.84		.112878	287067	VV	0.0000	
29	29.98	30.01	.099408	123465	VV	.0547	Endosulfan sulfate
30	30.25		.154826	412786	VV	0.0000	
31	30.43		.159086	262707	VV	0.0000	
32	30.80		.214643	339754	VV	0.0000	
33	30.92		.089910	111182	VV	0.0000	
34	31.01		.162523	186688	VV	0.0000	
35	31.44		.189645	657229	VV	0.0000	
36	31.68		.158935	416455	VV	0.0000	
37	31.81		.127677	255529	VV	0.0000	
38	32.23		.123915	108169	VV	0.0000	
39	32.47		.189962	184822	VV	0.0000	
40	32.89		.172745	148296	VV	0.0000	

IEA Pesticide Standard Report

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
41	33.12		.140497	226592	VV	0.0000	
42	33.25		.098779	58245	VV	0.0000	
43	33.44		.125886	50416	VV	0.0000	
44	33.59		.129104	44988	VV	0.0000	
45	33.79		.195932	108206	VV	0.0000	
46	34.14		.139855	153941	VV	0.0000	
47	34.34		.143383	83443	VV	0.0000	
48	34.71		.143835	49464	VV	0.0000	
49	34.84		.141199	50175	VV	0.0000	
50	35.35		.178640	48673	VV	0.0000	0333
51	35.71		.164119	33438	VB	0.0000	
52	36.88		.305396	74541	VB	0.0000	
53	40.65	#40.67	.230348	435460	BB	.1094	Decachlorobiphenyl

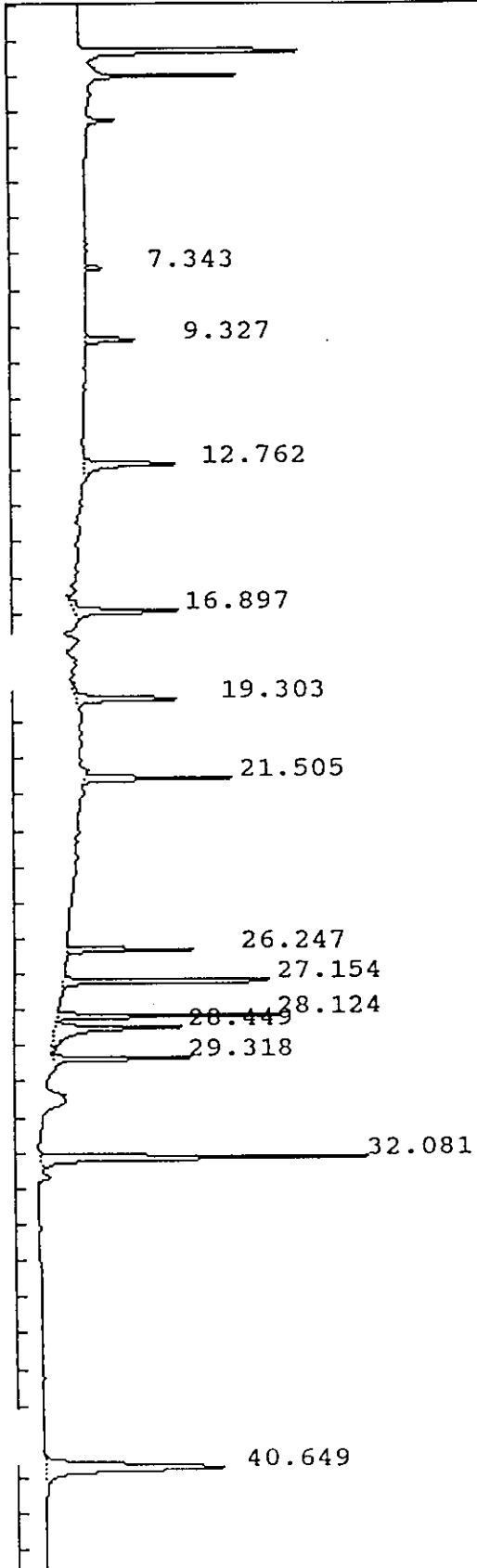
Total Area : 9230968 Total PPB : .797

Report Time : 0914 03Feb1993
 Method : /DATA/LOOP/METHOD/A1209R.MTH
 Result File : /DATA/LOOP/RESULT/A1209011.RES

IEA Pesticide Standard Report

Sample Name : INDAL15 Inj on 0003 31Jan1993
Result File : /DATA/LOOP/RESULT/A1209012.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul

0334



IEA Pesticide Standard Report

Sample Name : INDAL15 Report No : 99.04
 Result File : /DATA/LOOP/RESULT/A1209012.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID Inj. Vol. : 1 ul
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0003 31Jan1993 0335
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.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	7.34		.098673	19685	BB	0.0000	
2	9.33		.116447	65011	BB	0.0000	
3	12.76	12.77	.138257	145365	BB	.0459	Tetrachloro-m-xylene
4	16.90	16.91	.132795	156305	PB	.0429	alpha-BHC
5	19.30	19.31	.129309	154594	PV	.0448	gamma-BHC (Lindane)
6	21.50	21.51	.101449	156429	BV	.0461	Heptachlor
7	26.25	26.25	.080510	131069	BB	.0485	Endosulfan I
8	27.15	27.15	.076809	266906	BB	.0892	Dieldrin
9	28.12	28.13	.074169	204728	BV	.0926	Endrin
10	28.45	28.45	.141274	202043	VV	.0951	4,4'-DDD
11	29.32	29.32	.084357	147693	PV	.0686	4,4'-DDT
12	32.08	32.08	.121257	417670	BV	.4559	Methoxychlor
13	40.65	#40.67	.229122	409061	BB	.1028	Decachlorobiphenyl

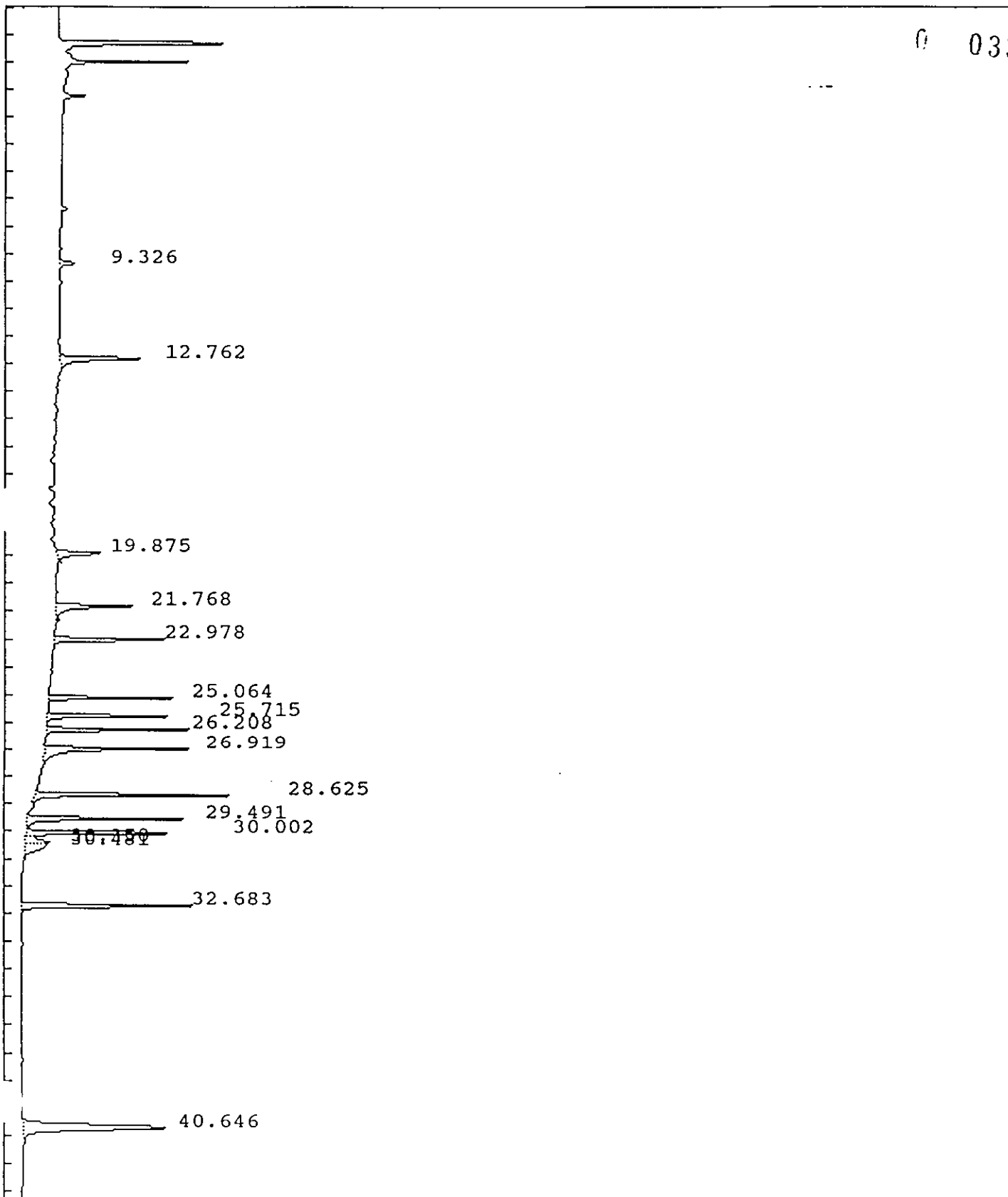
Total Area : 2476559 Total PPB : 1.132

Report Time : 0917 03Feb1993
 Method : /DATA/LOOP/METHOD/A1209R.MTH
 Result File : /DATA/LOOP/RESULT/A1209012.RES

IEA Pesticide Standard Report

Sample Name : INDBL15 Inj on 0057 31Jan1993
Result File : /DATA/LOOP/RESULT/A1209013.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul

0 0336



IEA Pesticide Standard Report

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Sample Name      : INDBL15
Result File     : /DATA/LOOP/RESULT/A1209013.RES
Column Type    : RTX-35 30 Meter,0.53mm ID
Instrument      : HP58901A
Calculation     : ExternalSTD
Run Time       : 46.25 Mins.
Sequence File  : /DATA/LOOP/SEQUENCE/A1209.SEQ
Subseq/Sample  : 1/ 13
                Bottle no. : 13
Report No      : 100.04
Inj. Vol.     : 1 ul
                0337
    
```

% Dil-Fact
100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	9.33		.110655	22582	BB	0.0000	
2	12.76	12.77	.132878	162045	BB	.0512	Tetrachloro-m-xylene
3	19.87	19.88	.140272	90899	BB	.0494	beta-BHC
4	21.77	21.78	.126168	136098	BB	.0485	delta-BHC
5	22.98	22.99	.091804	160700	BB	.0489	Aldrin
6	25.06	25.07	.080182	151834	BB	.0499	Heptachlor epoxide
7	25.71	25.72	.082527	166784	BB	.0514	gamma-Chlordane
8	26.21	26.22	.080804	178100	BB	.0509	alpha-Chlordane
9	26.92	26.93	.115302	242593	BB	.0914	4,4'-DDE
10	28.62	28.63	.079696	256632	BV	.1025	Endosulfan II
11	29.49	29.50	.090183	213495	PV	.1084	Endrin aldehyde
12	30.00	30.01	.088679	224734	VV	.0995	Endosulfan sulfate
13	30.35		.180216	56129	VV	0.0000	
14	30.48		.263981	72254	VB	0.0000	
15	32.68	32.69	.112400	271178	BB	.0970	Endrin ketone
16	40.65	#40.67	.222822	415450	BB	.1044	Decachlorobiphenyl

Total Area : 2821508 Total PPB : .954

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Report Time : 0918 03Feb1993
Method      : /DATA/LOOP/METHOD/A1209R.MTH
Result File : /DATA/LOOP/RESULT/A1209013.RES
    
```

IEA Pesticide Standard Report

Sample Name : INDBH15

Inj on 0432 31Jan1993

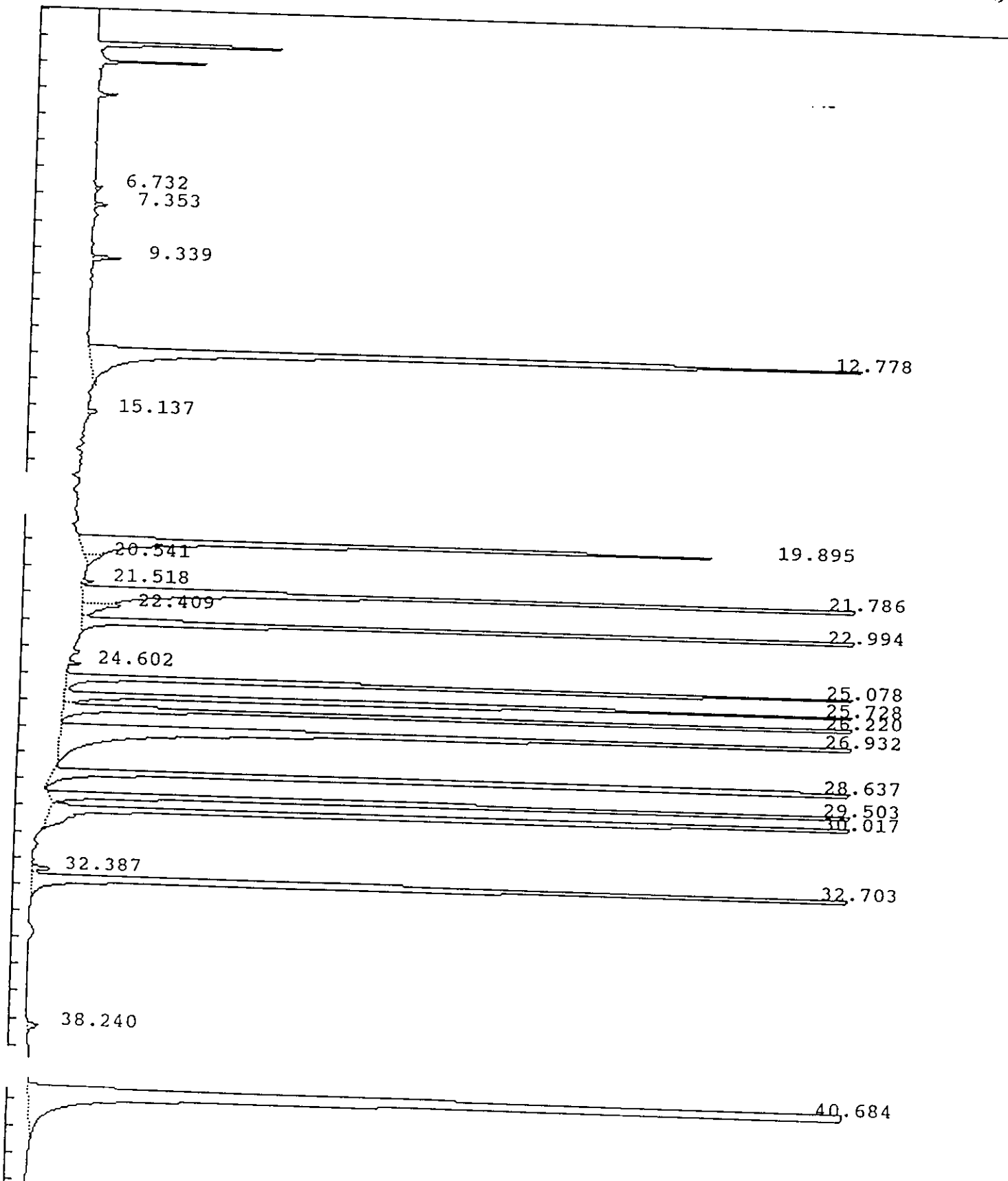
Result File : /DATA/LOOP/RESULT/A1209017.RES

INSTRUMENT: HP58901A

Column Type : RTX-35 30-Meter, 0.53mm ID

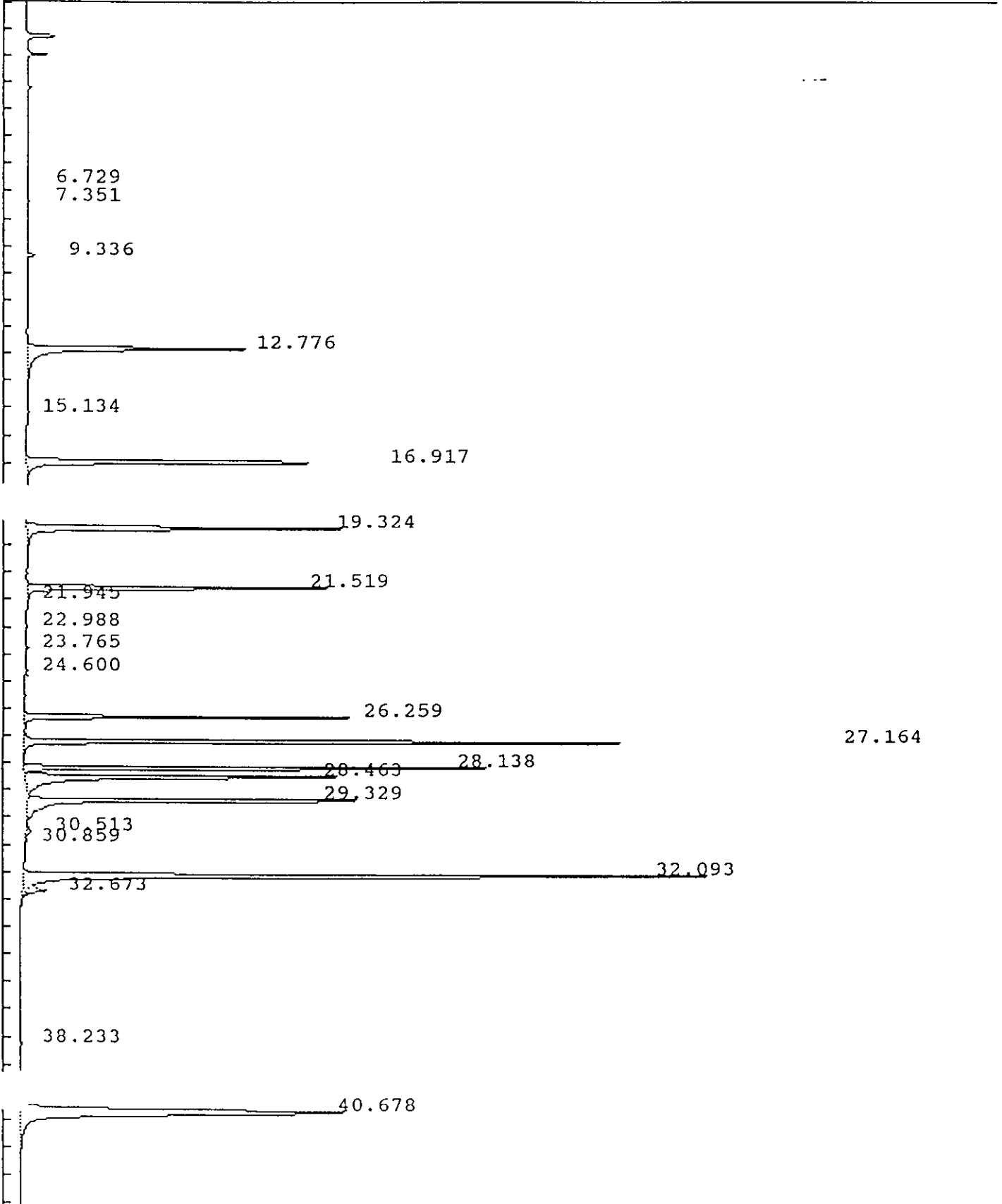
Inj. Vol. : 1 ul

0 0345



IEA Pesticide Standard Report

Sample Name : INDAH15 Inj on 0338 31Jan1993
Result File : /DATA/LOOP/RESULT/A1209016.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul 0 0346



IEA Pesticide Standard Report

Sample Name : INDBH15
 Result File : /DATA/LOOP/RESULT/A1209017.RES
 Column Type : RTX-35 30 Meter,0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0432 31Jan1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 1/ 17

Report No :104.15
 Inj. Vol. : 10 ul 0347

% Dil-Fact
 100.00

Run Status : RunStatusOK

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	6.73		.085633	11558	BB	0.0000	
2	7.35		.099056	20673	BB	0.0000	
3	9.34		.114592	47504	BB	0.0000	
4	12.78	12.77	.153727	2815374	BB	.8898	Tetrachloro-m-xylene
5	15.14		.112058	15519	BB	0.0000	
6	19.89	19.88	.163826	1569872	BV	.8536	beta-BHC
7	20.54		.230762	57717	VB	0.0000	
8	21.52	21.51	.095553	15655	BV	.0046	Heptachlor
9	21.79	21.78	.127740	2786688	PV	.9930	delta-BHC
10	22.41		.248638	136806	VV	0.0000	
11	22.99	22.99	.095380	3015026	VB	.9165	Aldrin
12	24.60		.078390	14353	BB	0.0000	
13	25.08	25.07	.085363	2598063	BV	.8545	Heptachlor epoxide
14	25.73	25.72	.086198	2684834	VV	.8279	gamma-Chlordane
15	26.22	26.22	.086405	2837722	VB	.8117	alpha-Chlordane
16	26.93	26.93	.124153	4706387	BS	1.7731	4,4'-DDE
17	28.64	28.63	.080421	4282582	BS	1.7107	Endosulfan II
18	29.50	29.50	.089038	3235927	BB	1.6424	Endrin aldehyde
19	30.02	30.01	.093993	3974479	BS	1.7602	Endosulfan sulfate
20	32.39		.152171	39747	VV	0.0000	
21	32.70	32.69	.118929	4855149	VB	1.7369	Endrin ketone
22	38.24		.189357	27481	BB	0.0000	
23	40.68	#40.67	.244848	5736259	BB	1.4415	Decachlorobiphenyl

Total Area : 45485376 Total PPB : 16.217

Report Time : 0926 03Feb1993
 Method : /DATA/LOOP/METHOD/A1209R.MTH
 Result File : /DATA/LOOP/RESULT/A1209017.RES

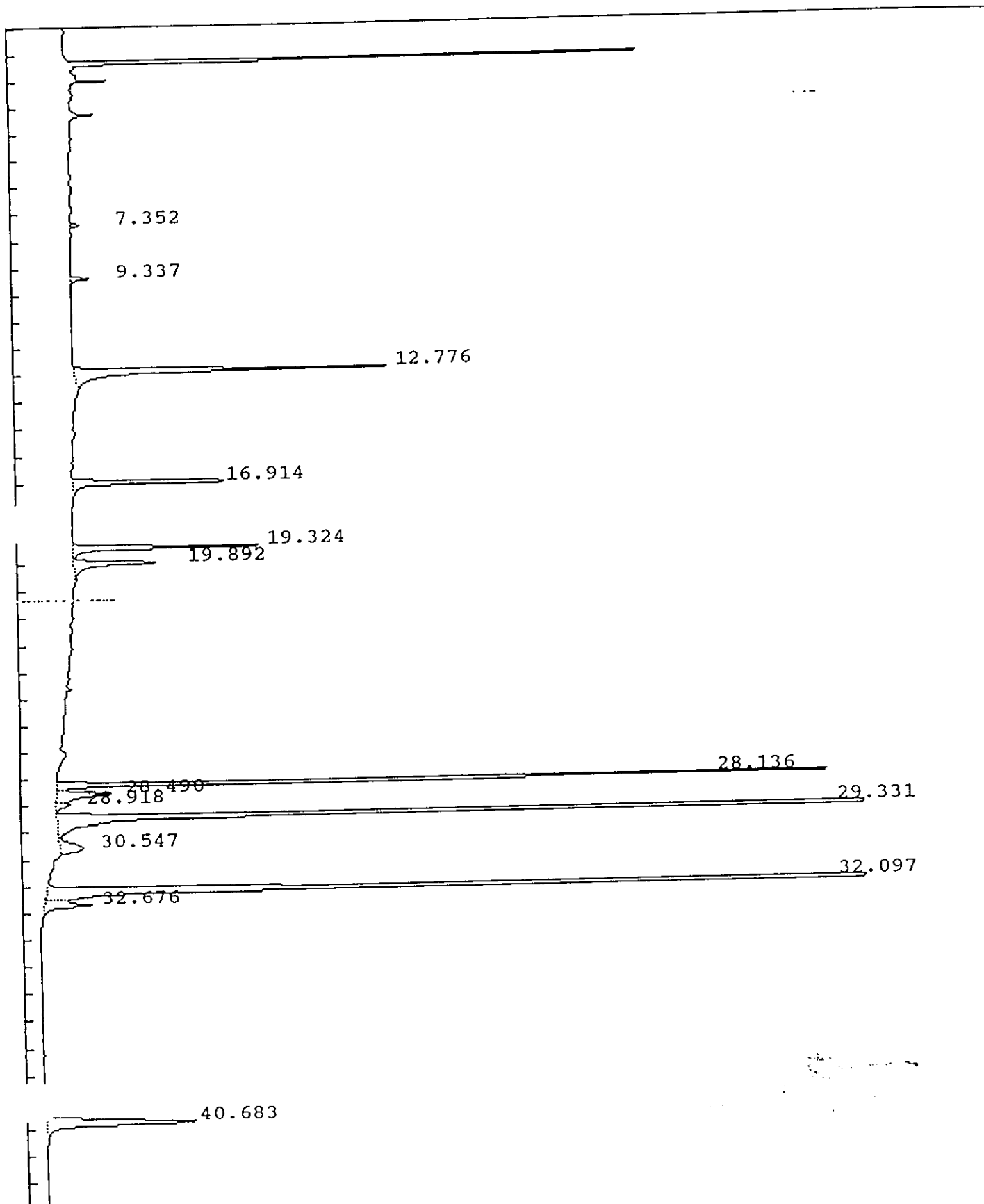
IEA Pesticide Standard Report

Sample Name : PEM83
Result File : /DATA/LOOP/RESULT/A1209019.RES
Column Type : RTX-35 30-Meter, 0.53mm ID

Inj on 0620 31Jan1993

INSTRUMENT: HP58901A

Inj. Vol. : 1 ul 0348



IEA Pesticide Standard Report

Sample Name : PEM83

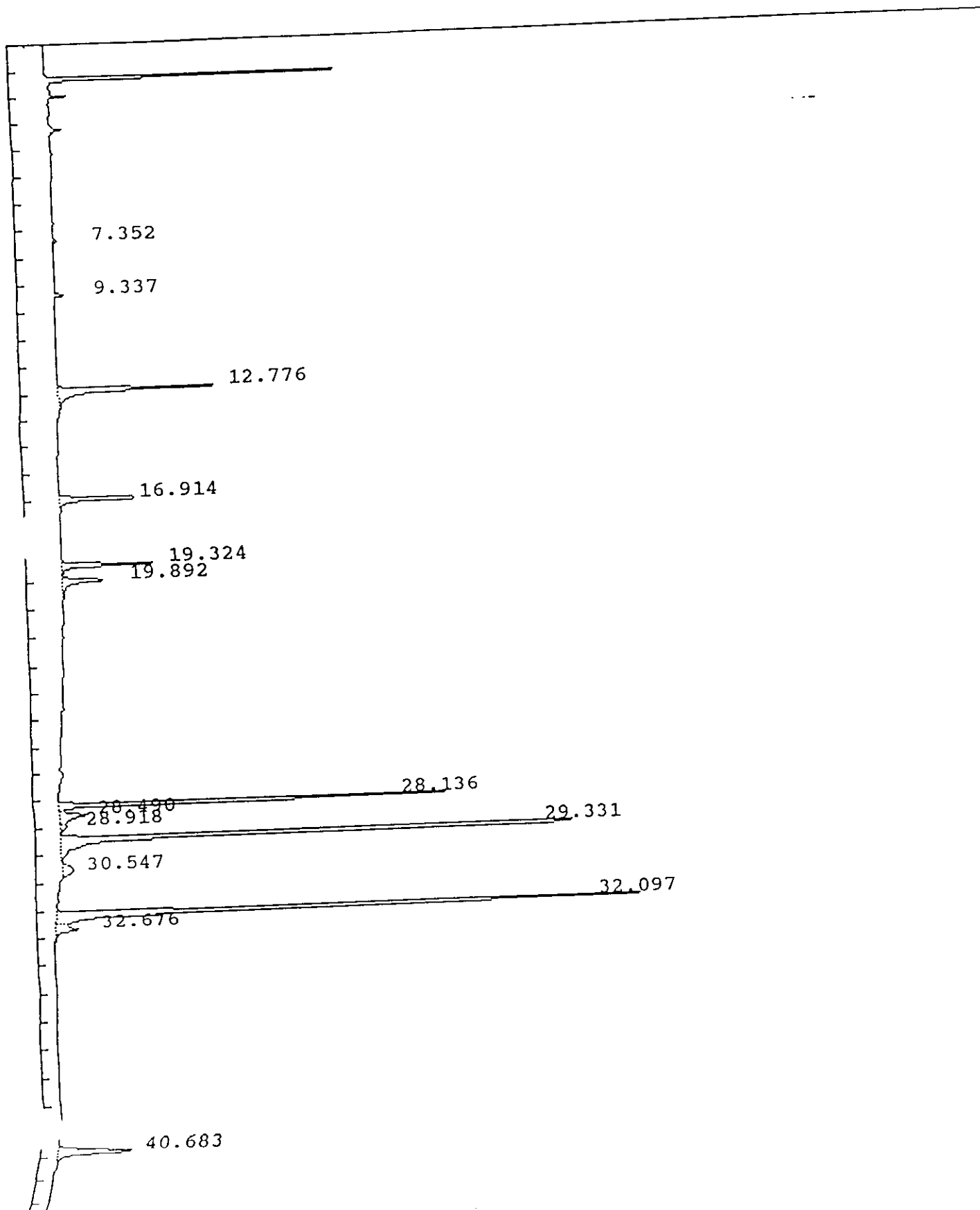
Inj on 0620 31Jan1993

Result File : /DATA/LOOP/RESULT/A1209019.RES

INSTRUMENT: HP58901A 0349

Column Type : RTX-35 30-Meter, 0.53mm ID

Inj. Vol. : 1 ul



IEA Pesticide Standard Report

00 0350

Sample Name : PEM83
 Result File : /DATA/LOOP/RESULT/A1209019.RES
 Column Type : RTX-35 30 Meter, 0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.25 Mins. Injected on 0620 31Jan1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 1/ 19

Report No : 106.06
 Inj. Vol. : 1 ul
 Bottle no. : 19

% Dil-Fact
 100.00

Run Status : RunStatusOK

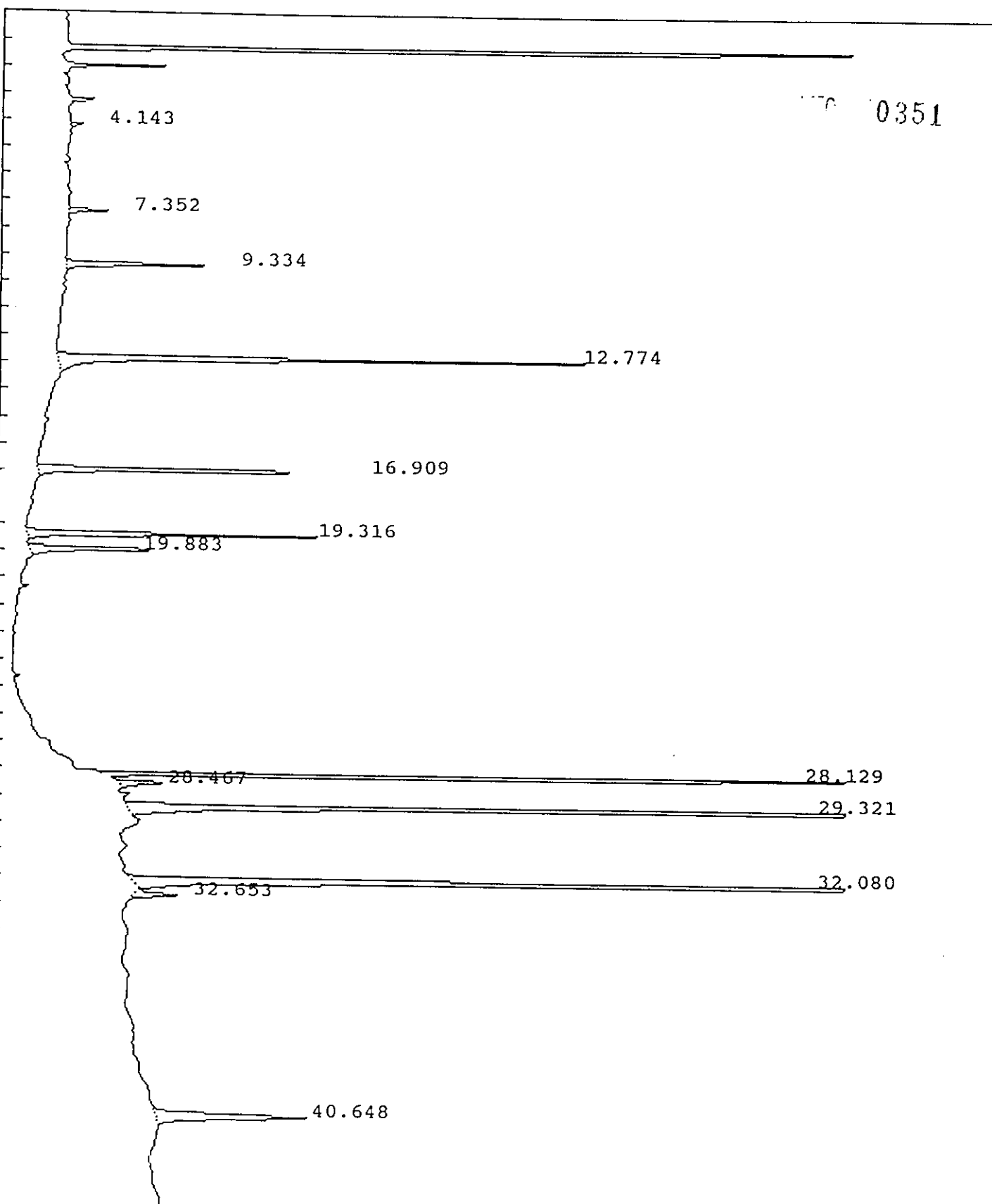
Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	7.35		.097408	11909	BB	0.0000	
2	9.34		.111166	26013	BB	0.0000	
3	12.78	12.77	.145966	640974	BB	.2026	Tetrachloro-m-xylene
4	16.91	16.91	.122791	320860	BB	.0880	alpha-BHC
5	19.32	19.31	.125871	323959	BV	.0939	gamma-BHC (Lindane)
6	19.89	19.88	.167556	208176	VB	.1132	beta-BHC
7	28.14	28.13	.075516	1089932	BV	.4931	Endrin
8	28.49	28.45	.222206	162103	VV	.0763	4,4'-DDD
9	28.92		.149249	28493	VV	0.0000	
10	29.33	29.32	.100082	2124267	PV	.9872	4,4'-DDT
11	30.55		.346174	102102	VV	0.0000	
12	32.10	32.08	.126835	2260541	BV	2.4676	Methoxychlor
13	32.68	32.69	.209762	132518	VB	.0474	Endrin ketone
14	40.68	#40.67	.230308	451601	BB	.1135	Decachlorobiphenyl

Total Area : 7883451 Total PPB : 4.683

Report Time : 0931 03Feb1993
 Method : /DATA/LOOP/METHOD/A1209R.MTH
 Result File : /DATA/LOOP/RESULT/A1209019.RES

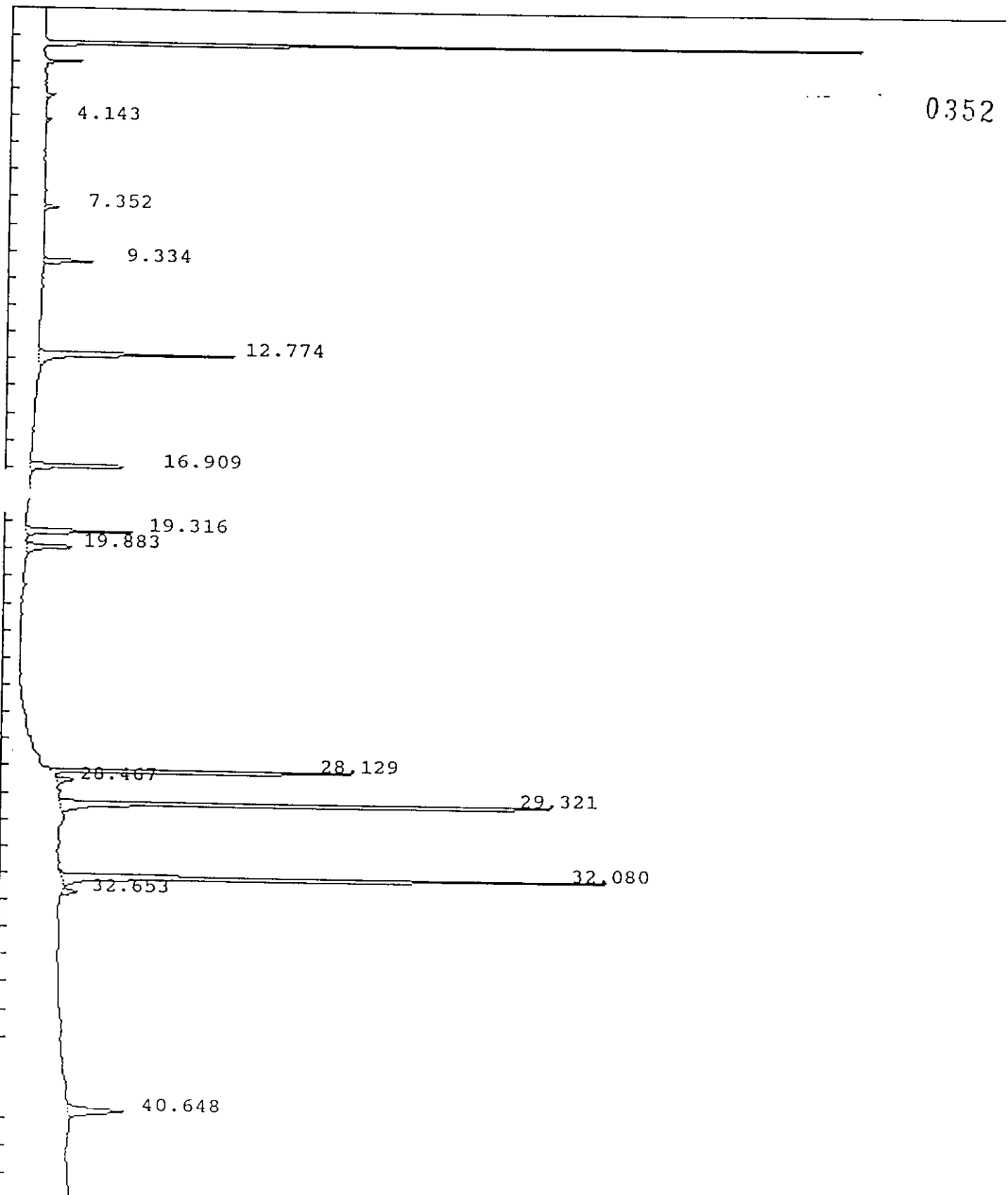
IEA Pesticide Standard Report

Sample Name : PEM11 Inj on 2233 16Feb1993
Result File : /DATA/LOOP/RESULT/A1209329.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : PEM11 Inj on 2233 16Feb1993
Result File : /DATA/LOOP/RESULT/A1209329.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter,0.53mm ID Inj. Vol. : 1 ul



IEA Pesticide Standard Report

Sample Name : PEM11
 Result File : /DATA/LOOP/RESULT/A1209329.RES
 Column Type : RTX-35 30 Meter,0.53mm ID
 Instrument : HP58901A
 Calculation : ExternalSTD
 Run Time : 46.23 Mins. Injected on 2233 16Feb1993
 Sequence File : /DATA/LOOP/SEQUENCE/A1209.SEQ
 Subseq/Sample : 4/ 32

Report No :437.30

Inj. Vol. : 1 ul

Bottle no. : 32

0353

% Dil-Fact
100.00

Run Status : SignalOverload

Pk#	RT	ID-tm	Peak Width	Area	Code	PPB	Name
1	4.14		.071359	14820	BV	0.0000	
2	7.35		.099534	49141	BB	0.0000	
3	9.33		.117633	194477	BB	0.0000	
4	12.77	12.77	.131416	833137	BB	.2633	Tetrachloro-m-xylene
5	16.91	16.91	.117561	423369	BB	.1162	alpha-BHC
6	19.32	19.31	.119930	409117	BB	.1186	gamma-BHC (Lindane)
7	19.88	19.88	.136588	224168	BB	.1219	beta-BHC
8	28.13	28.13	.071727	1081304	BB	.4892	Endrin
9	28.47	28.45	.133453	80164	BB	.0377	4,4'-DDD
10	29.32	29.32	.088779	2057401	BB	.9561	4,4'-DDT
11	32.08	32.08	.117140	2179218	BB	2.3788	Methoxychlor
12	32.65	32.69	.139356	67102	BB	.0240	Endrin ketone
13	40.65	#40.67	.221210	371059	BB	.0932	Decachlorobiphenyl

Total Area : 7984477 Total PPB : 4.599

Report Time : 2335 16Feb1993
 Method : /DATA/LOOP/METHOD/A1209_329.MT
 Result File : /DATA/LOOP/RESULT/A1209329.RES

IEA Pesticide Standard Report

Sample Name : INDAM71 Inj on 0656 17Feb1993
Result File : /DATA/LOOP/RESULT/A1209338.RES INSTRUMENT: HP58901A
Column Type : RTX-35 30-Meter, 0.53mm ID Inj. Vol. : 1 ul

