211053

ICM LABORATORIES
1152 ROUTE 10
RANDOLPH, NJ 07869
201-584-0330
FAX 201-584-0515

ANALYTICAL DATA REPORT PACKAGE

July 29, 1996

ROY F. WESTON, INC.

RFP-1416

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S19 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238921

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03318

% Moisture: 3. decanted: (Y/N) N Date Received: 06/28/96

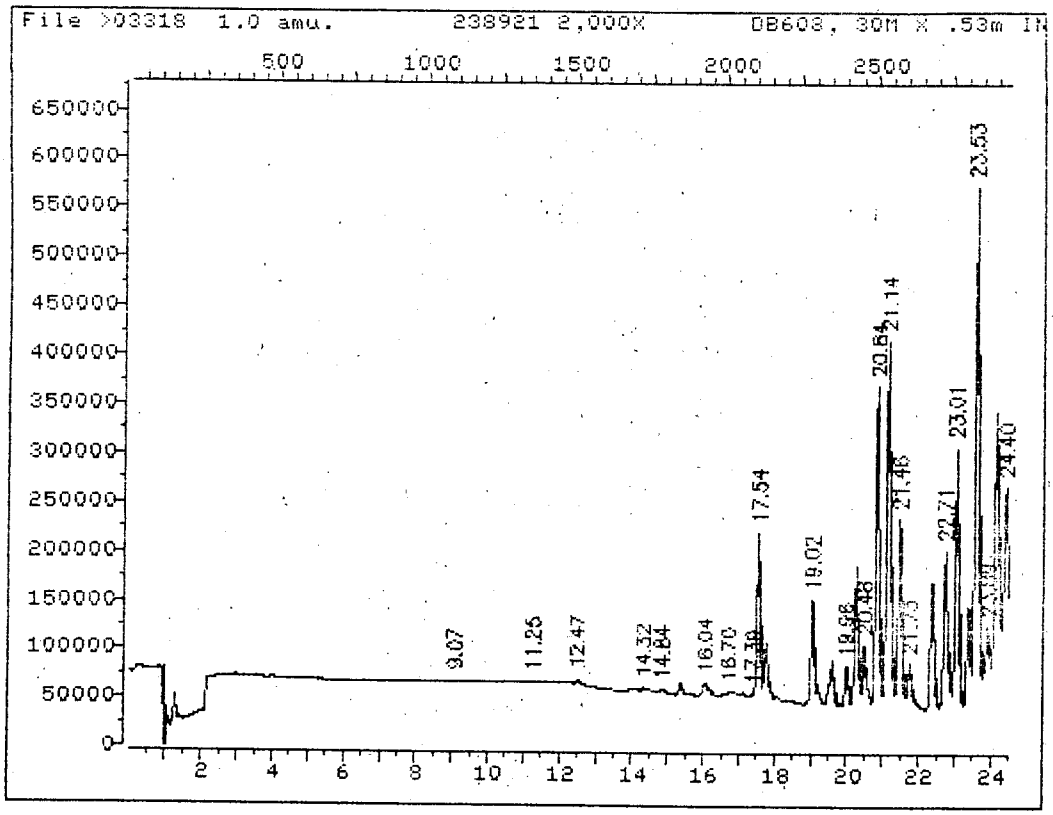
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 2000.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3500.	U
319-85-7	beta-BHC	3500.	U
319-86-8	delta-BHC	3500.	U
58-89-9	gamma-BHC (Lindane)	3500.	U
76-44-8	Heptachlor	3500.	U
309-00-2	Aldrin	3500.	U
1024-57-3	Heptachlor epoxide	3500.	U
959-98-8	Endosulfan I	3500.	U
60-57-1	Dieldrin	6700.	U
72-55-9	4,4'-DDE	6700.	U
72-20-8	Endrin	6700.	U
33213-65-9	Endosulfan II	6700.	U
72-54-8	4,4'-DDD	6700.	U
1031-07-8	Endosulfan Sulfate	6700.	U
50-29-3	4,4'-DDT	6700.	U
72-43-5	Methoxychlor	35000.	U
53494-70-5	Endrin ketone	6700.	U
7421-93-4	Endrin aldehyde	6700.	U
5103-71-9	alpha-Chlordane	3500.	U
5103-74-2	gamma-Chlordane	3500.	U
8001-35-2	Toxaphene	350000.	U
12674-11-2	Aroclor-1016	67000.	U
11104-28-2	Aroclor-1221	140000.	U
11141-16-5	Aroclor-1232	67000.	U
53469-21-9	Aroclor-1242	67000.	U
12672-29-6	Aroclor-1248	67000.	U
11097-69-1	Aroclor-1254	340000.	
11096-82-5	Aroclor-1260	67000.	U



Data File: >03318::F3 Quant Output File: ^03318::GQ
Name: 238921 2,000X Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960714 13:24
Injected at: 960714 10:45

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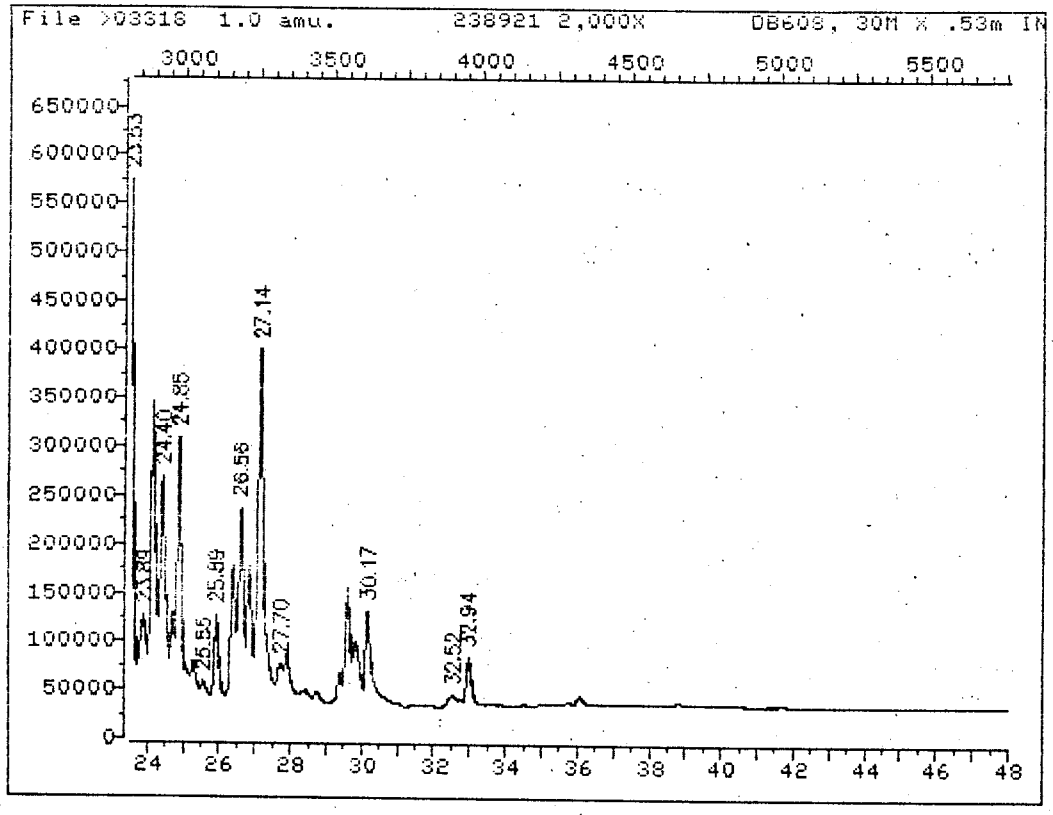

Data File: >03318::F3 Quant Output File: ^03318::GQ
Name: 238921 2.000X Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960714 13:24
Injected at: 960714 10:45

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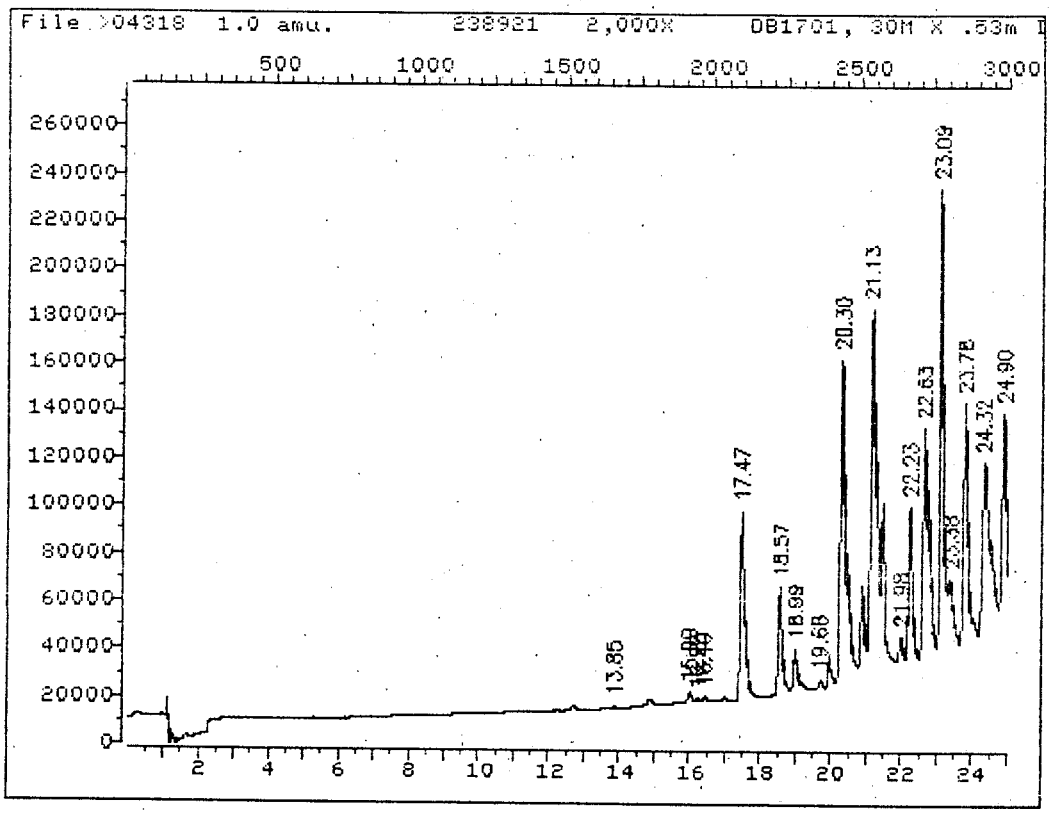

Data File: >04318::G1 Quant Output File: ^04318::GQ
Name: 238921 2,000X Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960714 13:28
Injected at: 960714 10:45

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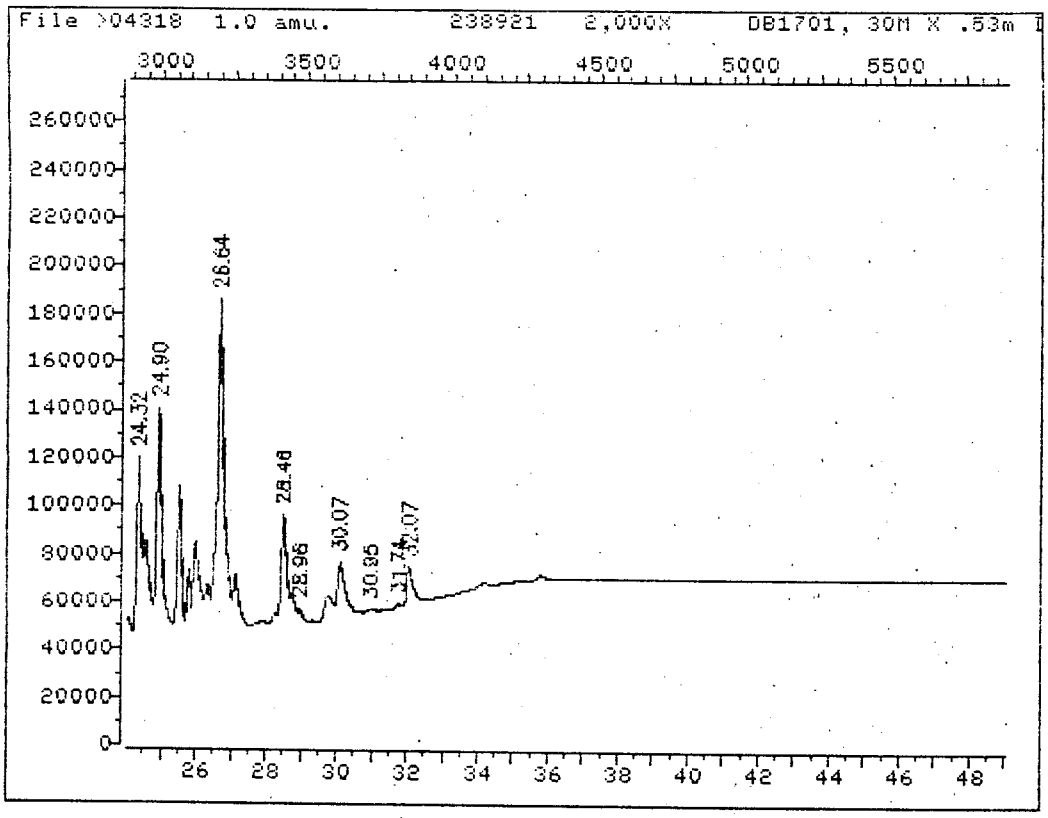

Data File: >04318::G1 Quant Output File: ^04318::GQ
Name: 238921 2,000X Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960714 13:28
Injected at: 960714 10:45

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QUANT REPORT

Operator ID: TRFI2
Output File: ^03318::GQ
Data File: >03318::F3
Name: 238921 2.000X
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 09:01
Injected at: 960714 10:45
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	10715	.0896	ng/ml	100
2)	~~#alpha-BHC~~	12.47	1497	36423	.244	ng/ml	100
3)	~~#beta-BHC~~	14.84	1781	22598	.276	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.32	1718	28707	.207	ng/ml	100
6)	~~#Heptachlor~~	16.04	1925	117169	1.12	ng/ml	100
7)	~~#Aldrin~~	17.39	2087	10170	.0762	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.96	2395	241691	1.94	ng/ml	100
9)	~~#Endosulfan I~~	21.73	2608	424546	4.00	ng/ml	100
10)	~~#Dieldrin~~	23.01	2761	1749654	18.55	ng/ml	100
11)	~~#4,4' DDE~~	22.71	2725	1213102	13.14	ng/ml	100
12)	~~#Endrin~~	24.85	2982	1706880	19.53	ng/ml	100
13)	~~#Endosulfan II~~	25.89	3106	642148	6.49	ng/ml	100
14)	~~#4,4' DDD~~	25.55	3066	103613	1.68	ng/ml	100
16)	~~#4,4' DDT~~	27.14	3256	3535740	52.05	ng/ml	100
17)	~~#Methoxychlor~~	32.52	3902	174470	4.39	ng/ml	100
18)	~~#Endrin ketone~~	32.94	3952	493987	5.33	ng/ml	100
20)	~~#alpha Chlordane~~	21.46	2575	1195133	9.92	ng/ml	100
21)	~~#gamma-Chlordane~~	20.84	2501	2107058	17.43	ng/ml	100
22)	~~#Toxaphene(1)~~ NT	23.53	2824	3511599	2197.74	ng/ml	100
23)	~~#Aroclor 1016(1)~~ NP	12.47	1497	37232	13.03	ng/ml	100
25)	~~#Aroclor 1232(1)~~ NP	12.47	1497	37232	13.83	ng/ml	100
26)	~~#Aroclor 1242(1)~~ NP	12.47	1497	37232	15.34	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.04	1925	117169	15.55	ng/ml	100
28)	#Aroclor-1254(1)	20.84	2501	2107058	423.54	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.40	2928	1786151	279.00	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.70	3324	278784	5.45	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.70	3324	278784	166.78	ng/ml	100
34)	~~#Aroclor 1016(2)~~	14.32	1718	28707	4.94	ng/ml	100
35)	~~#Aroclor-1016(3)~~	16.04	1925	117169	10.49	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.70	2004	86317	22.42	ng/ml	100
37)	~~#Aroclor-1016(5)~~	19.02	2282	706005	208.73	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.25	1350	5396	3.32	ng/ml	100
39)	~~#Aroclor 1221(3)~~ NP	12.47	1497	37232	10.04	ng/ml	100
40)	~~#Aroclor-1232(2)~~	14.32	1718	28707	10.23	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.04	1925	117169	25.11	ng/ml	100
42)	~~#Aroclor-1232(4)~~	16.70	2004	86317	49.39	ng/ml	100
43)	~~#Aroclor 1242(2)~~	14.32	1718	28707	6.20	ng/ml	100
44)	~~#Aroclor 1242(3)~~	16.04	1925	117169	13.21	ng/ml	100
45)	~~#Aroclor 1242(4)~~ NP	16.70	2004	86317	26.07	ng/ml	100
46)	~~#Aroclor 1242(5)~~	19.02	2282	706005	241.35	ng/ml	100

EPui
7/15/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:01
Output File: ^03318::GQ Injected at: 960714 10:45
Data File: >03318::F3 Dilution Factor: 1.00000
Name: 238921 2.000X Instrument ID: GC03
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
47)	~~#Aroclor-1248(2)~~	17.54	2105	1053502	329.94	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	19.02	2282	706005	171.54	ng/ml	100
49)	~~#Aroclor-1248(4)~~	20.48	2457	453160	110.31	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.73	2608	424546	96.94	ng/ml	100
51)	#Aroclor-1254(2)	21.14	2537	2645643	450.90	ng/ml	100
52)	#Aroclor-1254(3)	22.71	2725	1213102	656.74	ng/ml	100
53)	#Aroclor-1254(4)	23.53	2824	3393789	525.12	ng/ml	100
54)	#Aroclor-1254(5)	24.85	2982	1706880	467.06	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.85	2982	1706880	239.59	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.56	3187	1339044	290.88	ng/ml	100
57)	~~#Aroclor-1260(4)~~	30.17	3620	1128957	103.07	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.94	3952	493987	100.21	ng/ml	100

Compound uses ESTD

EPrice
7/15/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:26
Output File: ^04318::GQ Injected at: 960714 10:45
Data File: >04318::G1 Dilution Factor: 1.00000
Name: 238921 2,000X Instrument ID: GC04
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
3)	~~#beta-BHC~~	18.57	2228	334454	13.33	ng/ml	100
4)	~~#delta-BHC~~	19.68	2362	26064	.994	ng/ml	100
6)	~~#Heptachlor~~	16.22	1947	7411	.158	ng/ml	100
7)	~~#Aldrin~~	17.47	2096	693259	18.51	ng/ml	100
10)	~~#Dieldrin~~	23.38	2806	211077	6.58	ng/ml	100
11)	~~#4,4'-DDE~~	22.63	2715	645083	22.78	ng/ml	100
12)	~~#Endrin~~	24.32	2918	789423	27.19	ng/ml	100
13)	~~#Endosulfan~~ II	26.64	3196	1513189	44.20	ng/ml	100
14)	~~#4,4'-DDD~~	26.64	3196	1509338	78.52	ng/ml	100
17)	~~#Methoxychlor~~	30.95	3714	25533	1.91	ng/ml	100
20)	~~#alpha-Chlordane~~	22.23	2668	458958	11.02	ng/ml	100
21)	~~#gamma-Chlordane~~	21.98	2638	62150	1.55	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.85	1662	10617	10.33	ng/ml	100
28)	#Aroclor-1254(1)	17.47	2096	691651	436.22	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.78	2854	778486	313.71	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.96	3475	50131	1.56	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.46	3415	385439	569.23	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.74	3809	25277	48.77	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.85	1662	10617	4.30	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.99	1919	29518	7.35	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.40	1968	8060	5.43	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.57	2228	334454	171.16	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.85	1662	10617	10.64	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.99	1919	29518	18.13	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.85	1662	10617	5.49	ng/ml	100
44)	~~#Aroclor-1242(3)~~	15.99	1919	29518	9.36	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.40	1968	8070	7.05	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.47	2096	691651	809.11	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.99	1919	29518	10.93	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.57	2228	334454	138.18	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.99	2279	155441	85.06	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.30	2436	990219	868.00	ng/ml	100
51)	#Aroclor-1254(2)	20.30	2436	989350	460.43	ng/ml	100
52)	#Aroclor-1254(3)	21.13	2535	979778	533.18	ng/ml	100
53)	#Aroclor-1254(4)	23.09	2771	1560674	600.76	ng/ml	100
54)	#Aroclor-1254(5)	23.78	2854	778486	547.31	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.90	2988	832528	291.64	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	28.46	3415	385439	231.76	ng/ml	100
57)	~~#Aroclor-1260(4)~~	30.07	3608	339675	79.41	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.07	3848	246146	89.30	ng/ml	100

NT

Compound uses ESTD

7/16/96

QUANT REPORT

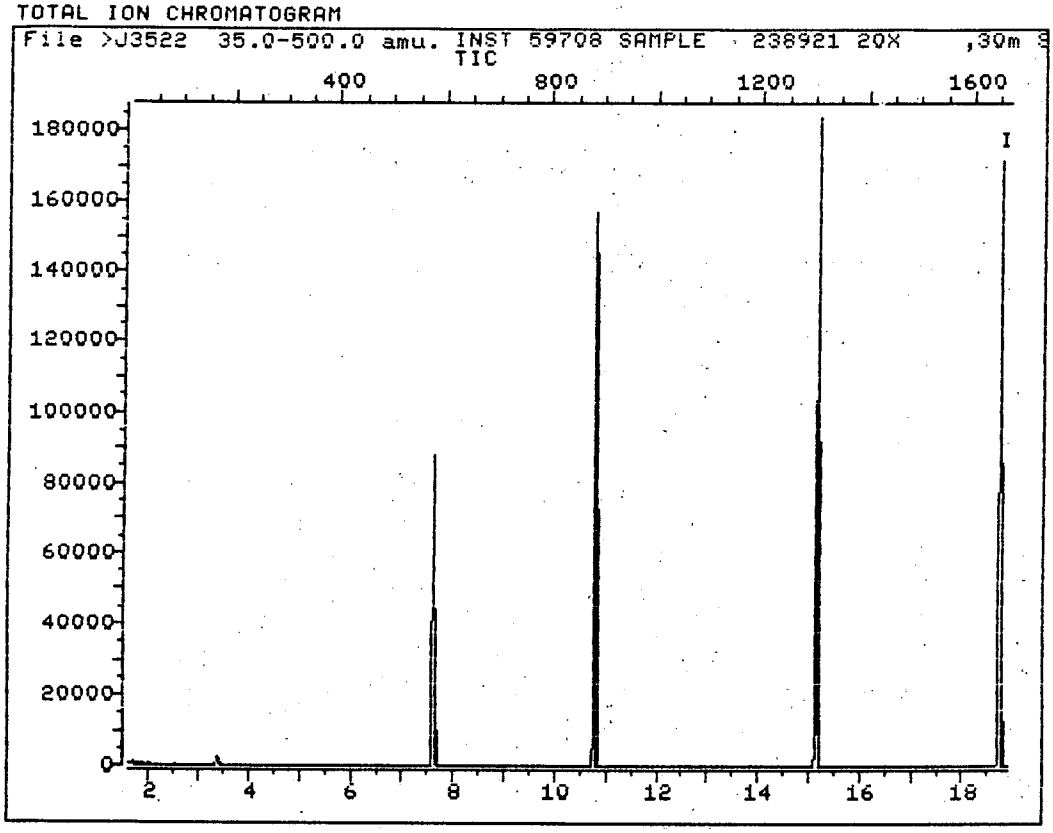
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960719 11:10
Output File: ^J3522::QT Injected at: 960719 10:33
Data File: >J3522::D4 Dilution Factor: 1.00000
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238921 20X ,30m SPB-5 CAP CLUMN BTL# 3

ID File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Phenanthrene-d10	18.72	188.0	123836	40.00	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >J3522::D4 Quant Output File: ^J3522::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238921 20X ,30m SPB-5 CAP CLUMN BTL# 3

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960719 11:10
Injected at: 960719 10:33

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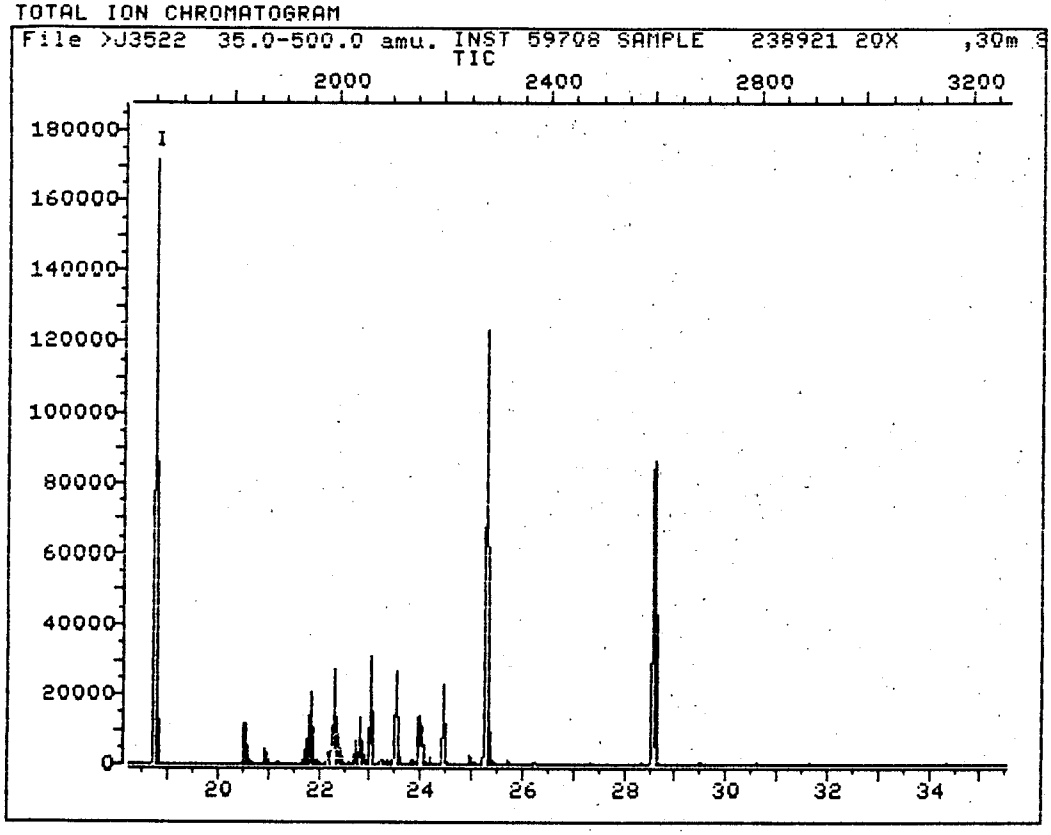
TOTAL ION CHROMATOGRAM



Data File: >J3522::D4 Quant Output File: ^J3522::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238921 20X ,30m SPB-5 CAP CLUMN BTL# 3

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960719 11:10
Injected at: 960719 10:33

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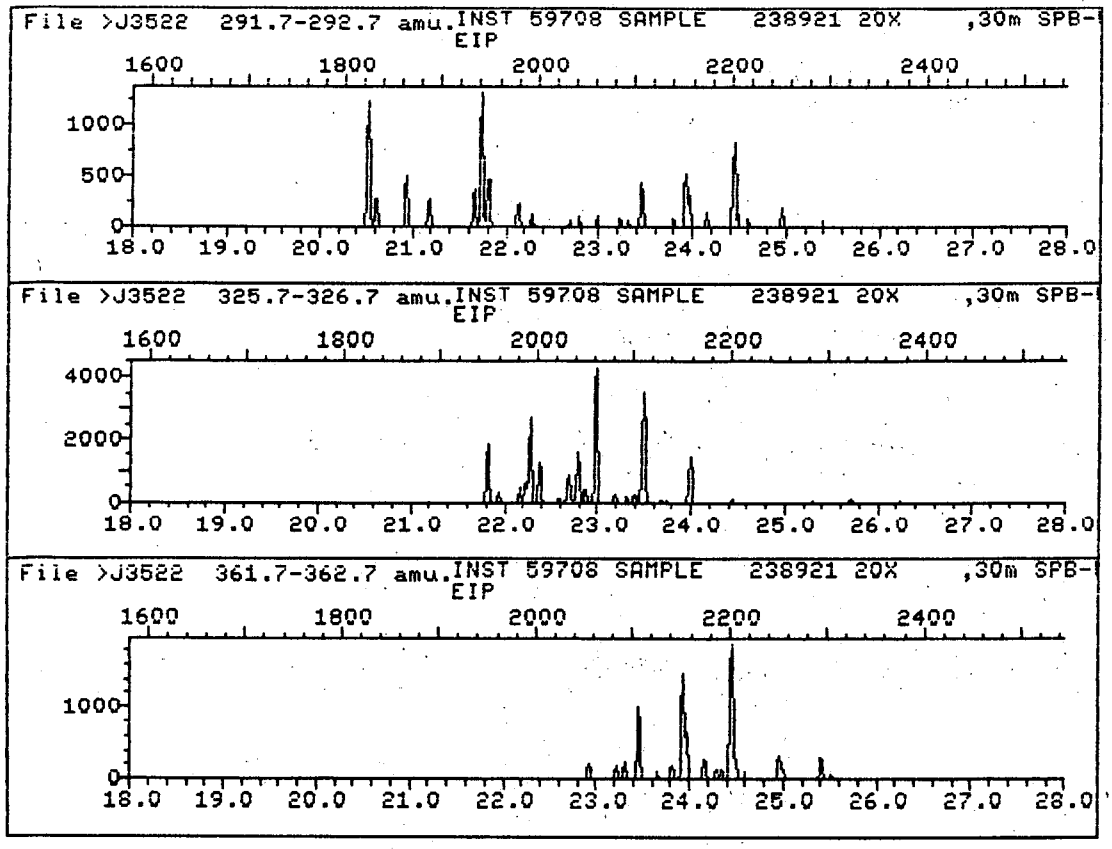


MS data file header from : >J3522::D4

Sample: INST 59708 SAMPLE Operator: GT0101 SUPER GRP. 7/19/96 10:33
Misc : 238921 20X ,30m SPB-5 CAP CLUMN BTL# 3
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 3 Equip ID: 5970 "J"
Method file: BNPJ Tuning file: MTA008 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	40.	280.	300.	0.	0.
Chromatographic times, min. :	4.0	1.0	20.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	10.0	0.0	0.0	0.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S20

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238923

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03378

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

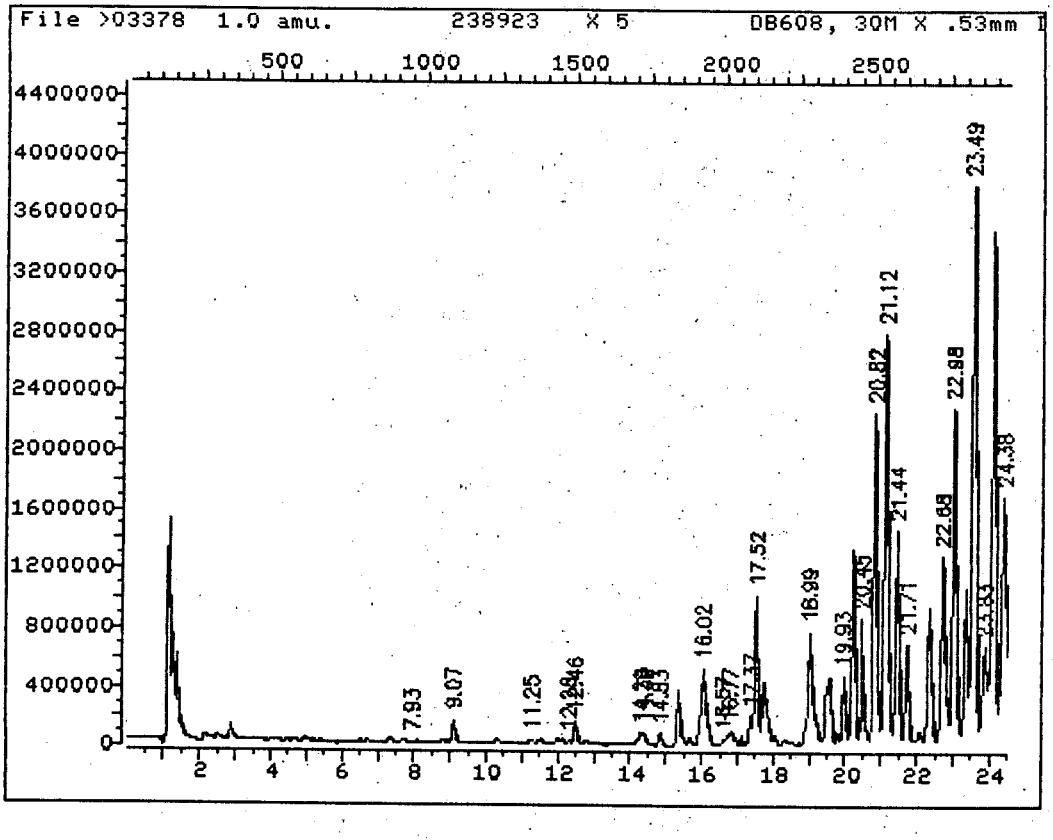
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	8.6	U
319-85-7	beta-BHC	8.6	U
319-86-8	delta-BHC	8.6	U
58-89-9	gamma-BHC (Lindane)	8.6	U
76-44-8	Heptachlor	8.6	U
309-00-2	Aldrin	8.6	U
1024-57-3	Heptachlor epoxide	8.6	U
959-98-8	Endosulfan I	8.6	U
60-57-1	Dieldrin	17.	U
72-55-9	4,4'-DDE	17.	U
72-20-8	Endrin	17.	U
33213-65-9	Endosulfan II	17.	U
72-54-8	4,4'-DDD	17.	U
1031-07-8	Endosulfan Sulfate	17.	U
50-29-3	4,4'-DDT	17.	U
72-43-5	Methoxychlor	86.	U
53494-70-5	Endrin ketone	17.	U
7421-93-4	Endrin aldehyde	17.	U
5103-71-9	alpha-Chlordane	8.6	U
5103-74-2	gamma-Chlordane	8.6	U
8001-35-2	Toxaphene	860.	U
12674-11-2	Aroclor-1016	170.	U
11104-28-2	Aroclor-1221	340.	U
11141-16-5	Aroclor-1232	170.	U
53469-21-9	Aroclor-1242	170.	U
12672-29-6	Aroclor-1248	170.	U
11097-69-1	Aroclor-1254	11000 ~~6700.~~	D*
11096-82-5	Aroclor-1260	170.	U

D* value transferred from dilution analysis S20DL 50 X D/F.



Data File: >03378::F3 Quant Output File: ^03378::GQ
Name: 238923 X 5 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 18:42
Injected at: 960716 17:51

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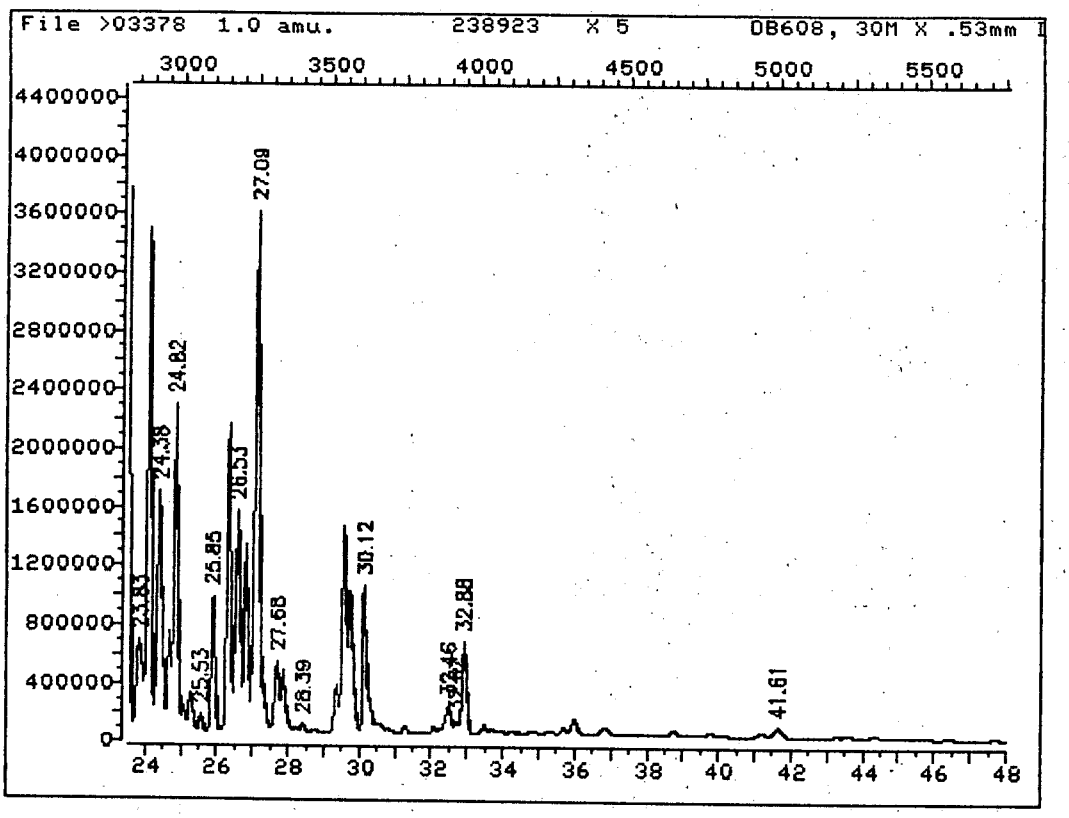
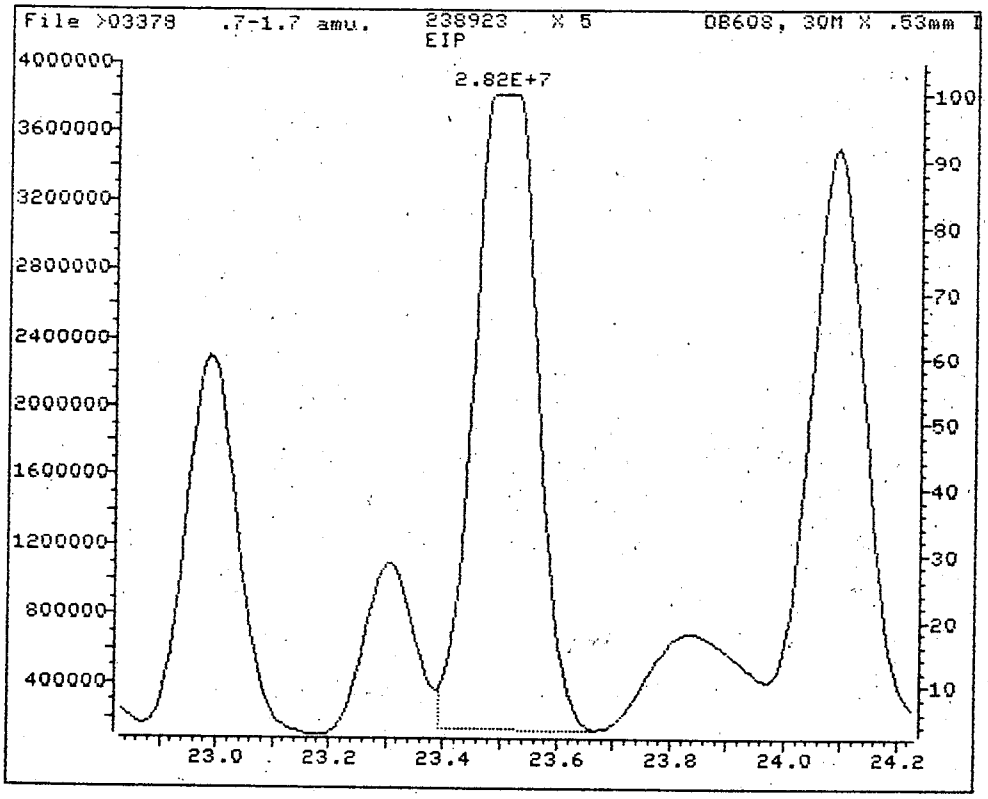


Data File: >03378::F3 Quant Output File: ^03378::GQ
Name: 238923 X 5 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 18:42
Injected at: 960716 17:51

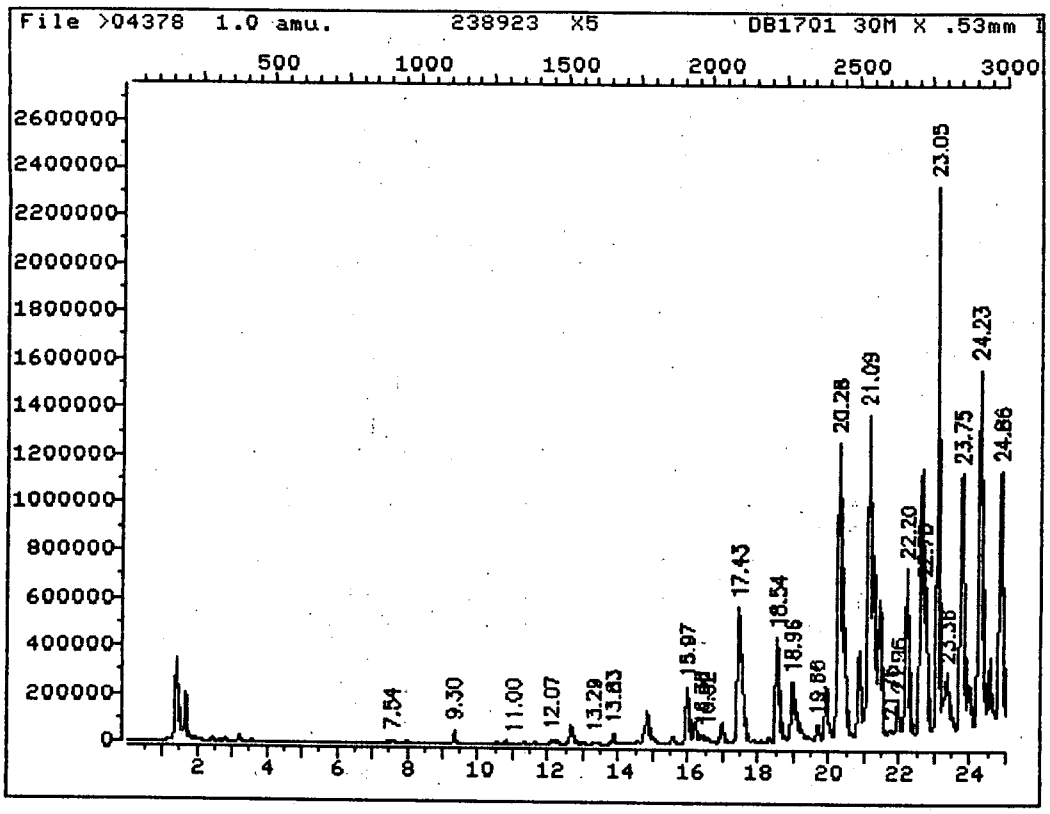
Page 2 of 2



Data File: >03378::F3 Quant Output File: ^03378::GQ
Name: 238923 X 5 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960716 18:42 Quant ID File: IDCAP5::SC
Injected at: 960716 17:51 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2819
Retention Time: 23.49 min.
Quant Ion: 1.0
Area: 28178508M
Concentration: 4360.04 ng/ml
q-value: 100

This report was produced by QAREA on: 960719 12:54

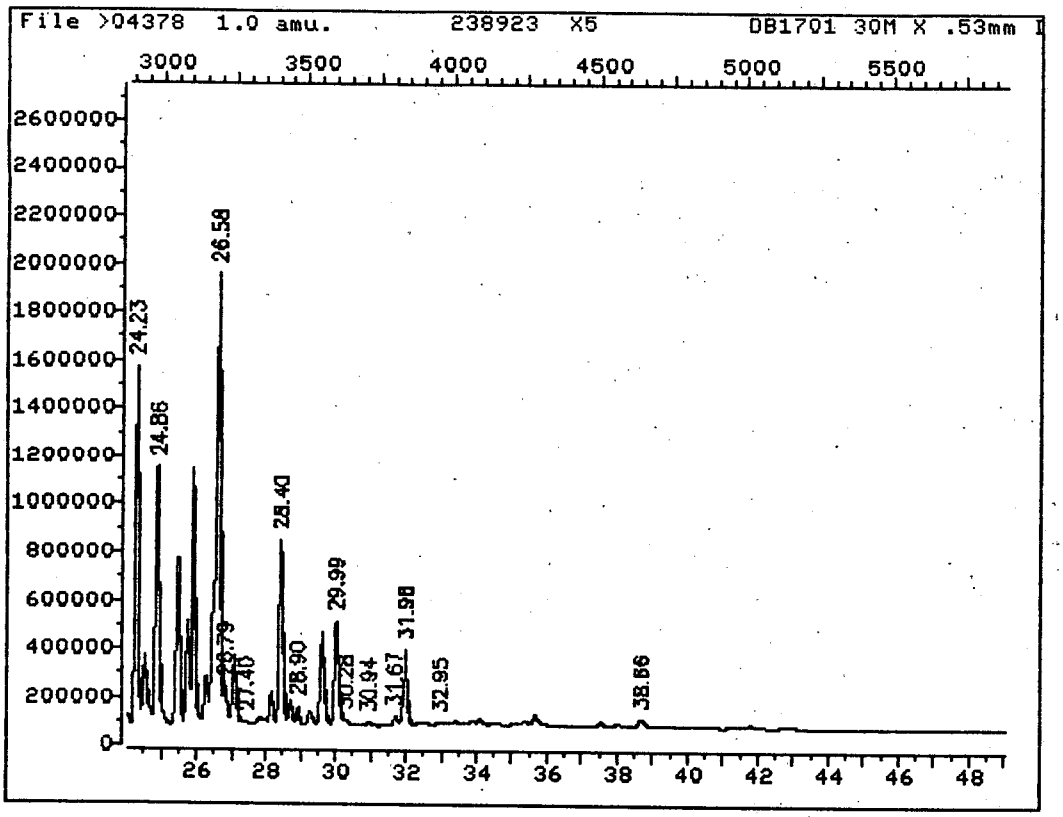


Data File: >04378::G1 Quant Output File: ^04378::GQ
Name: 238923 X5 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 18:44
Injected at: 960716 17:52

Page 1 of 2



Data File: >04378::G1 Quant Output File: ^04378::GQ
Name: 238923 X5 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 18:44
Injected at: 960716 17:52

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 18:42
Output File: ^03378::GQ Injected at: 960716 17:51
Data File: >03378::F3 Dilution Factor: 1.00000
Name: 238923 X 5 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1088	968422	8.10	ng/ml	100
2)	~~#alpha-BHC~~	12.46	1495	898105	6.03	ng/ml	100
3)	~~#beta-BHC~~	14.83	1780	767607	9.38	ng/ml	100
4)	~~#delta-BHC~~	16.57	1989	110686	.861	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.39	1727	477132	3.44	ng/ml	100
6)	~~#Heptachlor~~	16.02	1923	4480444	42.65	ng/ml	100
7)	~~#Aldrin~~	17.37	2084	996946	7.47	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.93	2391	2550323	20.43	ng/ml	100
9)	~~#Endosulfan~~ I NT	21.71	2605	3929612	37.02	ng/ml	100
10)	~~#Dieldrin~~	22.98	2758	13954856	147.93	ng/ml	100
11)	~~#4,4'-DDE~~	22.68	2722	9568558	103.62	ng/ml	100
12)	~~#Endrin~~	24.82	2978	15148142	173.31	ng/ml	100
13)	~~#Endosulfan~~ II	25.85	3102	6485062	65.53	ng/ml	100
14)	~~#4,4'-DDD~~	25.53	3063	768268	12.44	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.39	3407	401045	4.56	ng/ml	100
16)	~~#4,4'-DDT~~	27.09	3251	26962600	396.91	ng/ml	100
17)	~~#Methoxychlor~~	32.46	3895	2305828	57.96	ng/ml	100
18)	~~#Endrin ketone~~	32.67	3920	472211	5.09	ng/ml	100
19)	#Decachlorobiphenyl	41.61	4993	990770	8.57	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.44	2573	8663098	71.89	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.82	2498	14798480	122.39	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.83	2860	6188394	3873.02	ng/ml	100
23)	~~#Aroclor-1016~~(1) NP	12.28	1474	79387	27.79	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.93	952	12519	14.56	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.28	1474	79387	29.50	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.28	1474	79387	32.72	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.02	1923	4490075	596.01	ng/ml	100
28)	#Aroclor-1254(1)	20.82	2498	14798480	2974.61	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.38	2925	12268702	1916.42	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.68	3321	3835992	47.42	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.68	3321	3809667	2279.15	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.39	3407	401045	189.08	ng/ml	100
34)	~~#Aroclor-1016~~(2) NP	14.29	1715	524506	90.33	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	16.02	1923	4490075	401.80	ng/ml	100
36)	~~#Aroclor-1016~~(4) NP	16.77	2013	612824	159.19	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.99	2279	6255648	1849.51	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.25	1350	174355	107.29	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.28	1474	79387	21.41	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.29	1715	524506	186.83	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.02	1923	4490075	962.06	ng/ml	100

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7/23/96

QUANT REPORT

perator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 18:42
utput File: ^03378::GQ Injected at: 960716 17:51
Data File: >03378::F3 Dilution Factor: 1.00000
ame: 238923 X 5 Instrument ID: GC03
isc: DB608, 30M X .53mm INST 58903, 1ul INJ

D File: IDCAP5::SC
itle: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
42)	~~#Aroclor-1232(4)~~ NP	16.77	2013	612824	350.66	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	14.29	1715	524506	113.31	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	16.02	1923	4490075	506.33	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.77	2013	612824	185.12	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	18.99	2279	6255648	2138.49	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.52	2102	6567725	2056.93	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.99	2279	6255648	1519.96	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.45	2454	5368263	1306.82	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.71	2605	3929612	897.27	ng/ml	100
51)	#Aroclor-1254(2)	21.12	2534	18995024	3237.32	ng/ml	100
52)	#Aroclor-1254(3)	22.68	2722	9568558	5180.12	ng/ml	100
53)	#Aroclor-1254(4)	23.49	2819	28178508M	4360.04	ng/ml	100
54)	#Aroclor-1254(5)	24.82	2978	15148142	4145.07	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.82	2978	15148142	2126.29	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.53	3183	11447984	2486.84	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.12	3614	8253099	753.51	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.88	3945	5220529	1059.00	ng/ml	100

Compound uses ESTD

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7/23/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 18:44
Output File: ^04378::GQ Injected at: 960716 17:52
Data File: >04378::G1 Dilution Factor: 1.00000
Name: 238923 X5 Instrument ID: GC04
Disc: DB1701 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	318622	7.79	ng/ml	100
2)	~~#alpha-BHC~~	13.29	1595	34260	1.05	ng/ml	100
3)	~~#beta-BHC~~	18.54	2225	2931799	116.83	ng/ml	100
4)	~~#delta-BHC~~	19.66	2359	378072	14.42	ng/ml	100
6)	~~#Heptachlor~~	16.38	1966	95758	2.05	ng/ml	100
7)	~~#Aldrin~~	17.43	2092	5053817	134.97	ng/ml	100
9)	~~#Endosulfan~~ I NT	21.75	2610	100281	2.87	ng/ml	100
10)	~~#Dieldrin~~	23.36	2803	1570878	48.95	ng/ml	100
11)	~~#4,4'-DDE~~	22.70	2724	3336802	117.84	ng/ml	100
12)	~~#Endrin~~	24.23	2908	10707288	368.73	ng/ml	100
13)	~~#Endosulfan~~ II	26.79	3214	900306	26.30	ng/ml	100
14)	~~#4,4'-DDD~~	26.58	3189	16542424	860.59	ng/ml	100
16)	~~#4,4'-DDT~~	27.40	3288	41354	2.37	ng/ml	100
17)	~~#Methoxychlor~~	30.94	3713	129405	9.67	ng/ml	100
18)	~~#Endrin ketone~~	32.95	3954	101769	3.21	ng/ml	100
19)	#Decachlorobiphenyl	38.66	4639	391797	8.54	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.20	2664	4422465	106.15	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.96	2635	721186	18.00	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.07	1449	78668	64.94	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.54	905	63113	82.56	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.54	905	63147	57.21	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.07	1449	78668	76.58	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.83	1660	251734	244.89	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2092	5046943	3183.07	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.75	2850	7431357	2994.67	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.90	3468	572263	17.80	ng/ml	100
31)	~~#Toxaphene~~(2) NP	28.40	3408	5361808	7918.50	ng/ml	100
32)	~~#Toxaphene~~(3) NP	30.28	3633	150892	279.75	ng/ml	100
33)	~~#Toxaphene~~(4) NP	31.67	3800	297678	574.34	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	13.83	1660	251734	101.91	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.97	1916	1443124	357.11	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.52	1983	193403	130.21	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.54	2225	2931799	1500.42	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.00	1320	12817	19.66	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.07	1449	78668	46.39	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	12.07	1449	78668	69.28	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.83	1660	251734	252.24	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.97	1916	1443124	886.43	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.83	1660	251734	130.19	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.97	1916	1443124	457.77	ng/ml	100

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9/4/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 18:44
Output File: ^04378::GQ Injected at: 960716 17:52
Data File: >04378::G1 Dilution Factor: 1.00000
Name: 238923 X5 Instrument ID: GC04
Disc: DB1701 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	~~#Aroclor-1242(4)~~ NP	16.52	1983	192330	168.05	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.43	2092	5046943	5904.03	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.97	1916	1443124	534.30	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.54	2225	2931799	1211.24	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.96	2275	1353846	740.85	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	20.28	2433	8465854	7420.98	ng/ml	100
51)	~~#Aroc~~lor-1254(2) OC	20.28	2433	8465854	3939.92	ng/ml	100
52)	#Aroclor-1254(3)	21.09	2531	8006697	4357.13	ng/ml	100
53)	#Aroclor-1254(4)	23.05	2766	14430470	5554.77	ng/ml	100
54)	#Aroclor-1254(5)	23.75	2850	7431357	5224.56	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.86	2983	7506576	2629.62	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	28.40	3408	5368544	3228.09	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	29.99	3599	3416718	798.75	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	31.98	3837	2868247	1040.59	ng/ml	100

Compound uses ESTD

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7/23/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S20 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238923

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03331

% Moisture: 3. decanted: (Y/N) N Date Received: 06/28/96

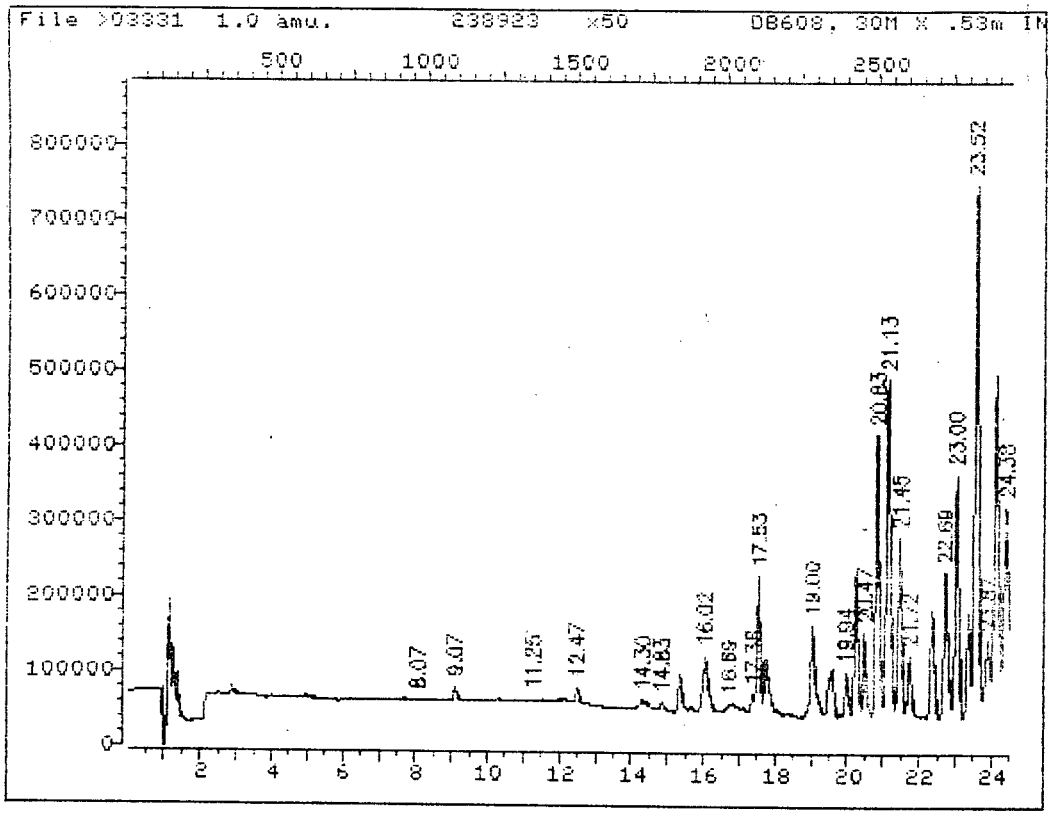
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	86.	U
319-85-7	beta-BHC	86.	U
319-86-8	delta-BHC	86.	U
58-89-9	gamma-BHC (Lindane)	86.	U
76-44-8	Heptachlor	86.	U
309-00-2	Aldrin	86.	U
1024-57-3	Heptachlor epoxide	86.	U
959-98-8	Endosulfan I	86.	U
60-57-1	Dieldrin	170.	U
72-55-9	4,4'-DDE	170.	U
72-20-8	Endrin	170.	U
33213-65-9	Endosulfan II	170.	U
72-54-8	4,4'-DDD	170.	U
1031-07-8	Endosulfan Sulfate	170.	U
50-29-3	4,4'-DDT	170.	U
72-43-5	Methoxychlor	860.	U
53494-70-5	Endrin ketone	170.	U
7421-93-4	Endrin aldehyde	170.	U
5103-71-9	alpha-Chlordane	86.	U
5103-74-2	gamma-Chlordane	86.	U
8001-35-2	Toxaphene	8600.	U
12674-11-2	Aroclor-1016	1700.	U
11104-28-2	Aroclor-1221	3400.	U
11141-16-5	Aroclor-1232	1700.	U
53469-21-9	Aroclor-1242	1700.	U
12672-29-6	Aroclor-1248	1700.	U
11097-69-1	Aroclor-1254	11000.	
11096-82-5	Aroclor-1260	1700.	U



Data File: >03331::F3 Quant Output File: ^03331::GQ
Name: 238923 x50 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960714 23:43
Injected at: 960714 22:52

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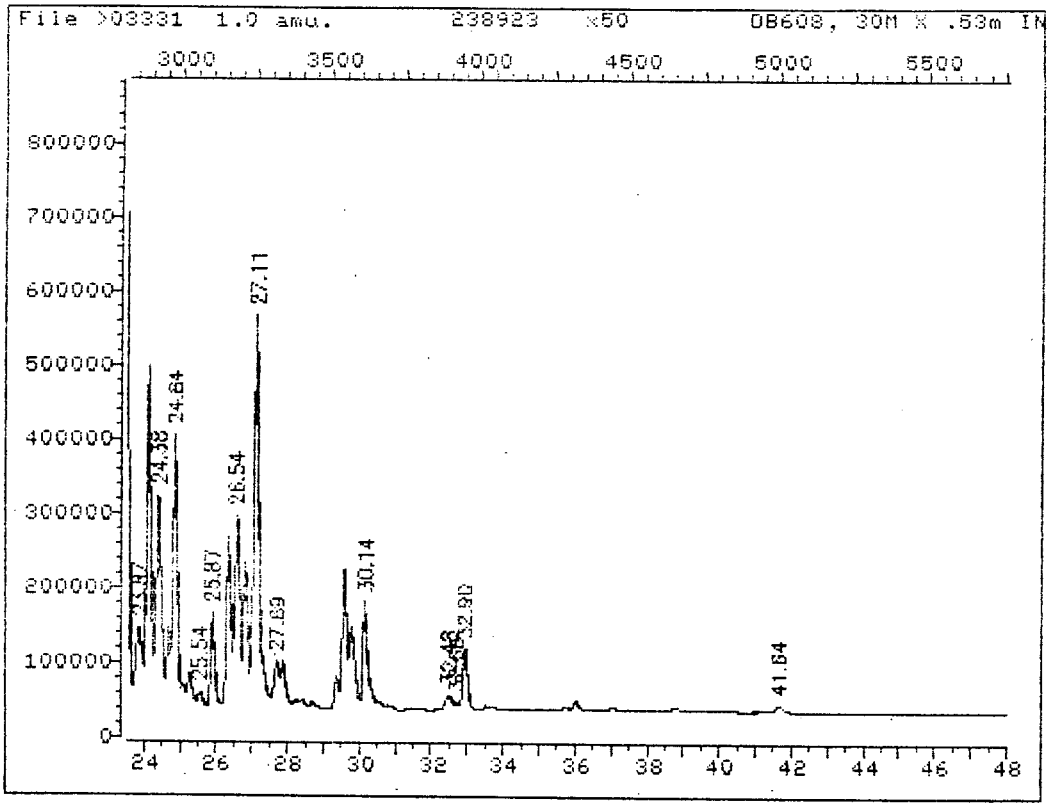
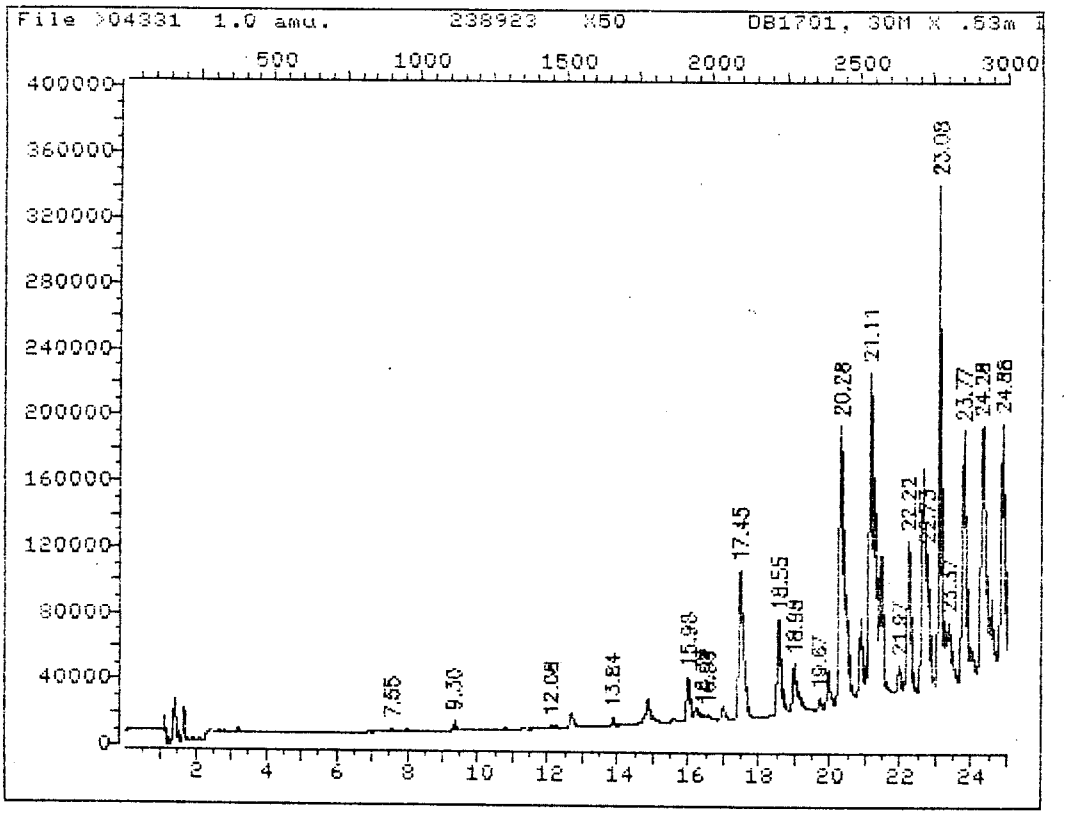


Data File: >03331::F3 Quant Output File: ^03331::GQ
Name: 238923 x50 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960714 23:43
Injected at: 960714 22:52

Page 2 of 2

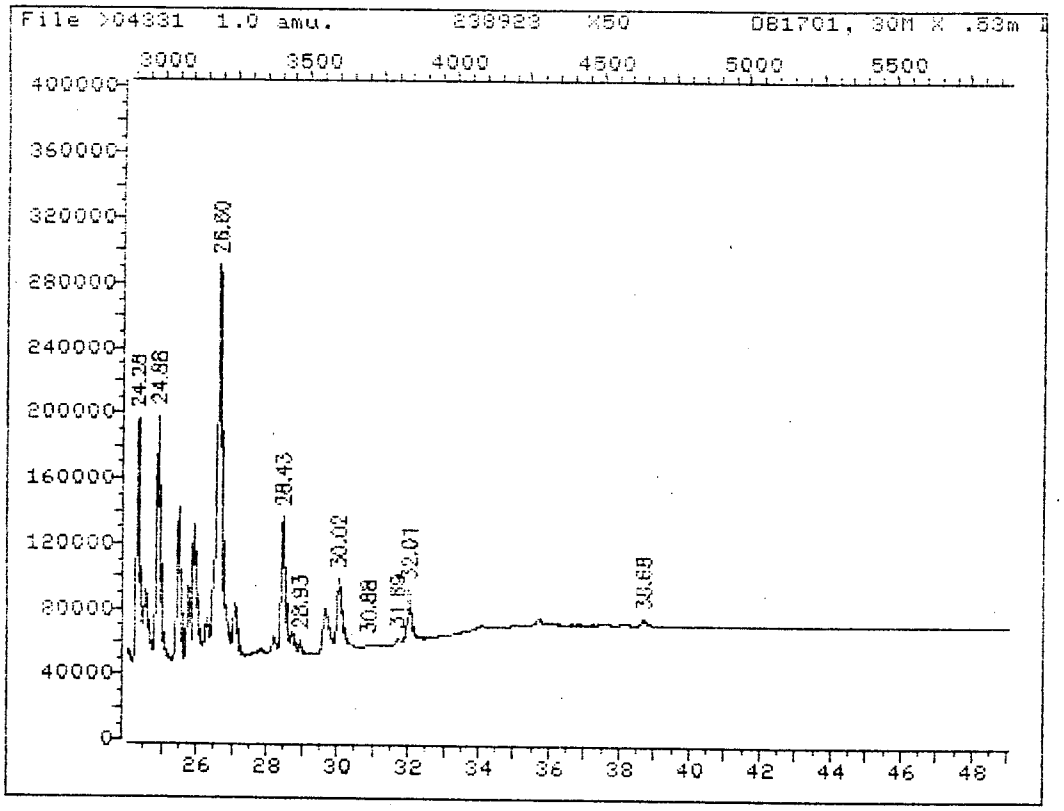


Data File: >04331::G1 Quant Output File: ^04331::GQ
Name: 238923 X50 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960714 23:45
Injected at: 960714 22:52

Page 1 of 2



Data File: >04331::G1 Quant Output File: ^04331::GQ
Name: 238923 X50 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960714 23:45
Injected at: 960714 22:52

Page 2 of 2

QUANT REPORT

Operator ID: TRFI2
Output File: ^03331::GQ
Data File: >03331::F3
Name: 238923 x50
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 09:11
Injected at: 960714 22:52
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	99588	.832	ng/ml	100
2)	~~#alpha-BHC~~	12.47	1496	130559	.876	ng/ml	100
3)	~~#beta-BHC~~	14.83	1780	142810	1.75	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.30	1716	40579	.293	ng/ml	100
6)	~~#Heptachlor~~	16.02	1923	752431	7.16	ng/ml	100
7)	~~#Aldrin~~	17.38	2085	117825	.882	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.94	2393	343109	2.75	ng/ml	100
9)	~~#Endosulfan I~~	21.72	2606	546673	5.15	ng/ml	100
10)	~~#Dieldrin~~	23.00	2760	2082915	22.08	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.69	2723	1485891	16.09	ng/ml	100
12)	~~#Endrin~~	24.84	2980	2479104	28.36	ng/ml	100
13)	~~#Endosulfan II~~	25.87	3104	906161	9.16	ng/ml	100
14)	~~#4,4'-DDD~~	25.54	3064	146347	2.37	ng/ml	100
16)	~~#4,4'-DDT~~	27.11	3253	3964596	58.36	ng/ml	100
17)	~~#Methoxychlor~~	32.48	3897	210136	5.28	ng/ml	100
18)	~~#Endrin ketone~~	32.68	3921	62621	.675	ng/ml	100
19)	#Decachlorobiphenyl	41.64	4997	110762	.958	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.45	2574	1442566	11.97	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.83	2499	2480651	20.52	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.87	2864	792111	495.74	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.47	1496	130559	45.70	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	8.07	968	7172	8.34	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.47	1496	130559	48.51	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.47	1496	130559	53.81	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.02	1923	752431	99.88	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2499	2480651	498.63	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.38	2926	2260717	353.13	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.69	3323	429096	5.30	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.69	3323	440829	263.73	ng/ml	100
34)	~~#Aroclor-1016(2)~~	14.30	1716	42235	7.27	ng/ml	100
35)	~~#Aroclor-1016(3)~~	16.02	1923	752431	67.33	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.69	2003	72261	18.77	ng/ml	100
37)	~~#Aroclor-1016(5)~~	19.00	2280	933940	276.12	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.25	1350	12516	7.70	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.47	1496	130559	35.22	ng/ml	100
40)	~~#Aroclor-1232(2)~~	14.30	1716	42235	15.04	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.02	1923	752431	161.22	ng/ml	100
42)	~~#Aroclor-1232(4)~~	16.69	2003	72261	41.35	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	14.30	1716	42235	9.12	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	16.02	1923	752431	84.85	ng/ml	100

7/16/96

QUANT REPORT

perator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:11
utput File: ^03331::GQ Injected at: 960714 22:52
Data File: >03331::F3 Dilution Factor: 1.00000
Name: 238923 x50 Instrument ID: GC03
isc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
itle: Capillary Column DB 608
ast Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
45) ~~#Aroclor-1242~~(4) NP	16.69	2003	72261	21.83	ng/ml	100
46) ~~#Aroclor-1242~~(5) NP	19.00	2280	933940	319.27	ng/ml	100
47) ~~#Aroclor-1248~~(2)	17.53	2103	1135559	355.64	ng/ml	100
48) ~~#Aroclor-1248~~(3)	19.00	2280	933940	226.92	ng/ml	100
49) ~~#Aroclor-1248~~(4) NP	20.47	2456	775782	188.85	ng/ml	100
50) ~~#Aroclor-1248~~(5)	21.72	2606	543384	124.07	ng/ml	100
51) #Aroclor-1254(2)	21.13	2535	3196167	544.72	ng/ml	100
52) #Aroclor-1254(3)	22.69	2723	1485891	804.41	ng/ml	100
53) #Aroclor-1254(4)	23.52	2822	4585530	709.52	ng/ml	100
54) #Aroclor-1254(5)	24.84	2980	2479104	678.37	ng/ml	100
55) ~~#Aroclor-1260~~(2)	24.84	2980	2479104	347.98	ng/ml	100
56) ~~#Aroclor-1260~~(3)	26.54	3184	1936366	420.64	ng/ml	100
57) ~~#Aroclor-1260~~(4) NP	30.14	3617	1193091	108.93	ng/ml	100
58) ~~#Aroclor-1260~~(5)	32.90	3948	698024	141.60	ng/ml	100

Compound uses ESTD

EPrice
7/16/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^04331::GQ
Data File: >04331::G1
Name: 238923 X50
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 09:38
Injected at: 960714 22:52
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	38579	.943	ng/ml	100
3)	~~#beta-BHC~~	18.55	2226	442102	17.62	ng/ml	100
4)	~~#delta-BHC~~	19.67	2360	40956	1.56	ng/ml	100
6)	~~#Heptachlor~~	16.39	1967	25467	.544	ng/ml	100
7)	~~#Aldrin~~	17.45	2094	818387	21.86	ng/ml	100
10)	~~#Dieldrin~~	23.37	2804	279272	8.70	ng/ml	100
11)	~~#4,4'-DDE~~	22.73	2727	443643	15.67	ng/ml	100
12)	~~#Endrin~~	24.28	2913	1341838	46.21	ng/ml	100
13)	~~#Endosulfan~~ II	26.60	3192	2011467	58.75	ng/ml	100
14)	~~#4,4'-DDD~~	26.60	3192	2011467	104.64	ng/ml	100
17)	~~#Methoxychlor~~	30.88	3705	23413	1.75	ng/ml	100
19)	#Decachlorobiphenyl	38.68	4642	32196	.702	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.22	2666	601270	14.43	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.97	2636	86684	2.16	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.08	1450	8239	6.80	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	7683	10.05	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	7683	6.96	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.08	1450	8239	8.02	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.84	1661	30731	29.90	ng/ml	100
28)	#Aroclor-1254(1)	17.45	2094	816470	514.94	ng/ml	100
29)	~~#Aroclor-1260(1)~~	23.77	2852	1092396	440.21	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.93	3471	68967	2.15	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.43	3411	659049	973.31	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.69	3802	32914	63.50	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.84	1661	30731	12.44	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.98	1918	177307	44.12	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.53	1984	24631	16.58	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.55	2226	442102	226.26	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.08	1450	8239	4.86	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.08	1450	8239	7.26	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.84	1661	31088	31.15	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.98	1918	177307	108.91	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.84	1661	30731	15.89	ng/ml	100
44)	~~#Aroclor-1242(3)~~	15.98	1918	177307	56.24	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.53	1984	24063	21.03	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.45	2094	816470	955.13	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.98	1918	177307	65.65	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.55	2226	442102	182.65	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.98	2277	173635	95.02	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.28	2434	1252821	1098.20	ng/ml	100

E. Price
7/16/96

QUANT REPORT

perator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:38
utput File: ^04331::GQ Injected at: 960714 22:52
Data File: >04331::G1 Dilution Factor: 1.00000
ame: 238923 X50 Instrument ID: GC04
isc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
itle: Capillary Column DB1701
ast Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
51)	#Aroclor-1254(2)	20.28	2434	1252821	583.05	ng/ml	100
52)	#Aroclor-1254(3)	21.11	2533	1219094	663.41	ng/ml	100
53)	#Aroclor-1254(4)	23.08	2769	2079478	800.46	ng/ml	100
54)	#Aroclor-1254(5)	23.77	2852	1092396	768.00	ng/ml	100
55)	#~~Aroclor-1260~~(2)	24.88	2985	1160368	406.49	ng/ml	100
56)	#~~Aroclor-1260~~(3)	28.43	3411	664455	399.54	ng/ml	100
57)	#~~Aroclor-1260~~(4) NP	30.02	3602	455768	106.55	ng/ml	100
58)	#~~Aroclor-1260~~(5)	32.01	3841	368935	133.85	ng/ml	100

Compound uses ESTD

EPuu
7/16/96

QUANT REPORT

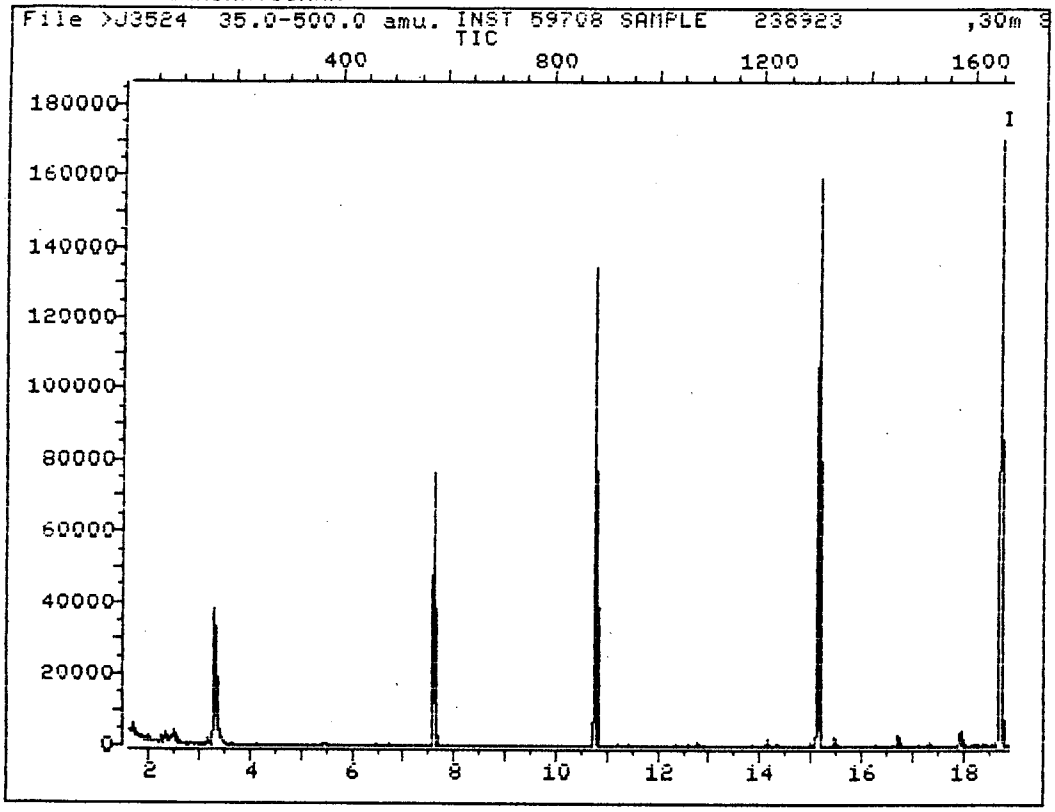
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960719 12:43
Output File: ^J3524::QT Injected at: 960719 12:06
Data File: >J3524::D4 Dilution Factor: 1.00000
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238923 ,30m SPB-5 CAP CLUMN BTL# 5

ID File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Phenanthrene-d10	18.73	188.0	120303	40.00	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >J3524::D4 Quant Output File: ^J3524::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238923 ,30m SPB-5 CAP CLUMN BTL# 5

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960719 12:43
Injected at: 960719 12:06

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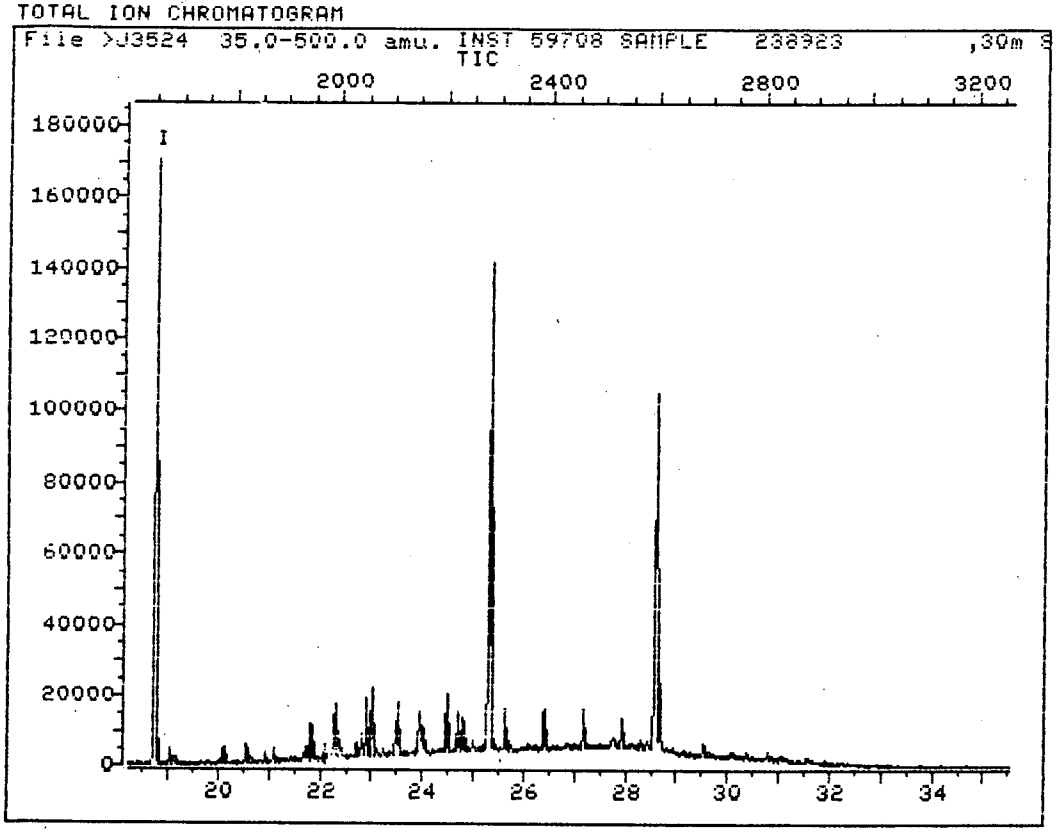
TOTAL ION CHROMATOGRAM



Data File: >J3524::D4 Quant Output File: ^J3524::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238923 ,30m SPB-5 CAP CLUMN BTL# 5

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960719 12:43
Injected at: 960719 12:06

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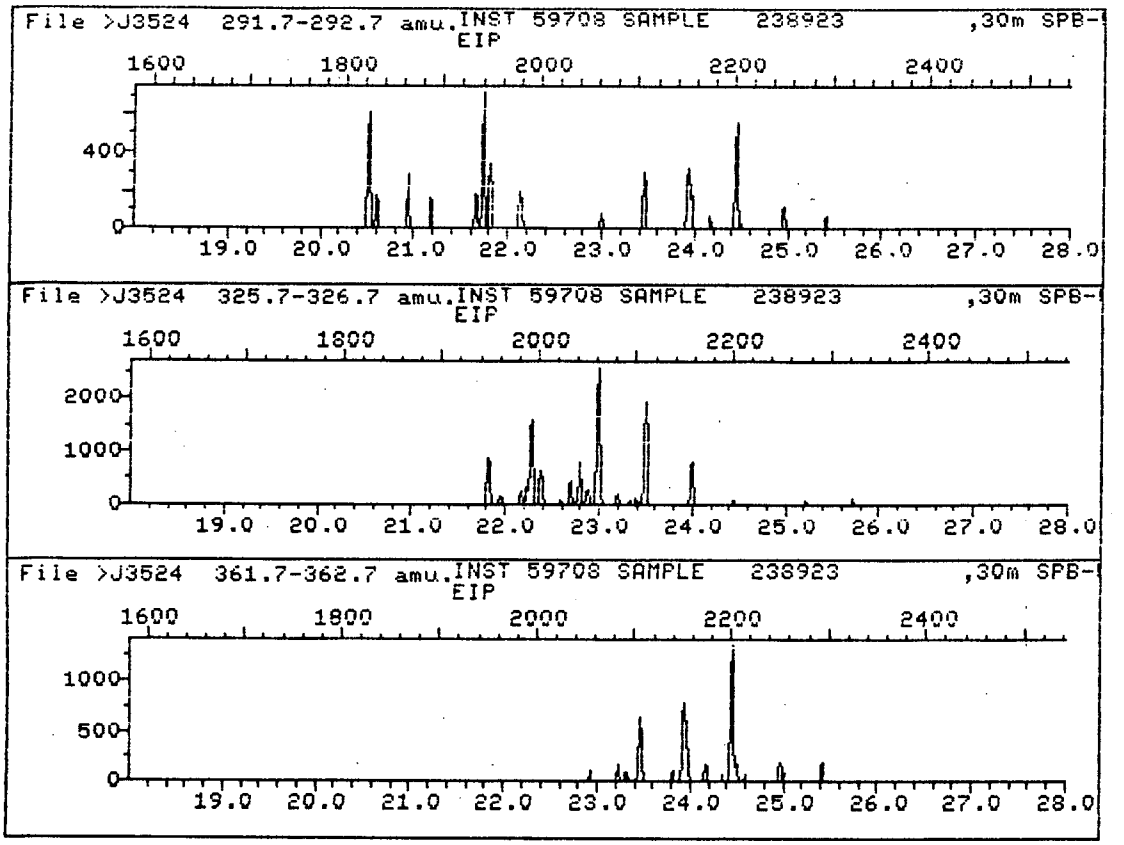


MS data file header from : >J3524::D4

Sample: INST 59708 SAMPLE Operator: GT0101 SUPER GRP. 7/19/96 12:06
Misc : 238923 ,30m SPB-5 CAP CLUMN BTL# 5
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 5 Equip ID: 5970 "J"
Method file: BNPJ Tuning file: MTA008 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	40.	280.	300.	0.	0.
Chromatographic times, min. :	4.0	1.0	20.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	10.0	0.0	0.0	0.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S21

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238925

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03342

% Moisture: 4. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

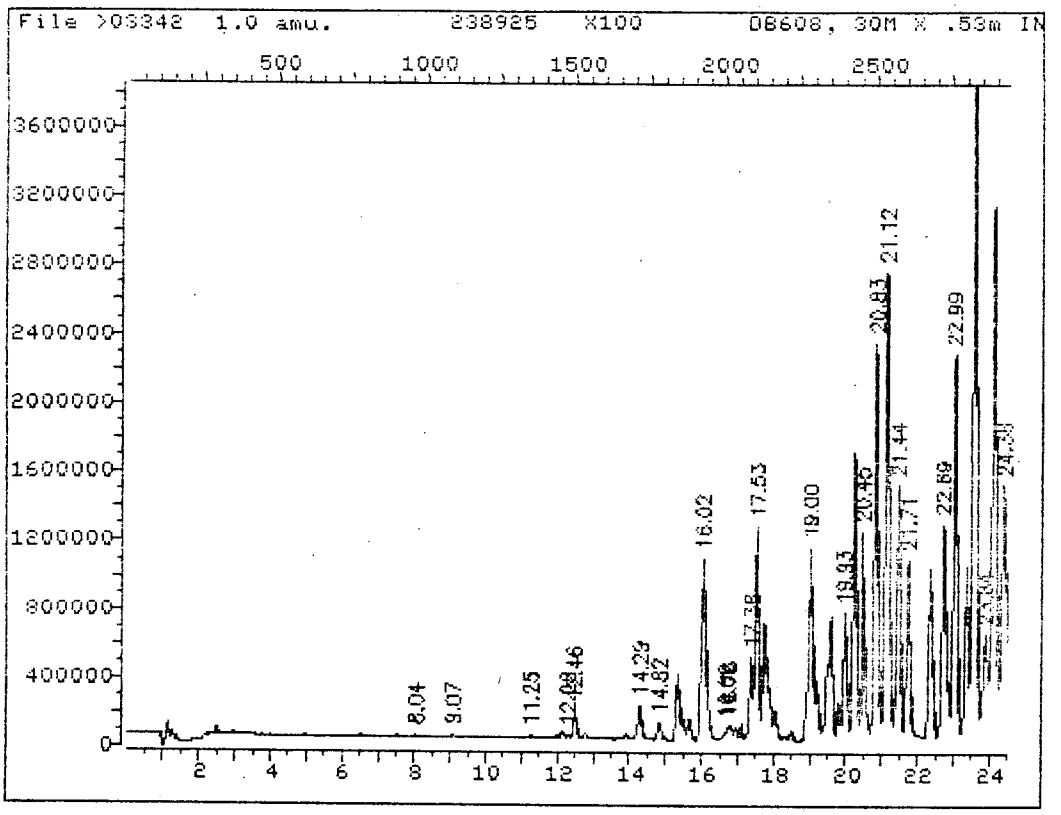
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q.
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	340.	U
72-55-9	4,4'-DDE	340.	U
72-20-8	Endrin	340.	U
33213-65-9	Endosulfan II	340.	U
72-54-8	4,4'-DDD	340.	U
1031-07-8	Endosulfan Sulfate	340.	U
50-29-3	4,4'-DDT	340.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	340.	U
7421-93-4	Endrin aldehyde	340.	U
5103-71-9	alpha-Chlordane	180.	U
5103-74-2	gamma-Chlordane	180.	U
8001-35-2	Toxaphene	18000.	U
12674-11-2	Aroclor-1016	3400.	U
11104-28-2	Aroclor-1221	6900.	U
11141-16-5	Aroclor-1232	3400.	U
53469-21-9	Aroclor-1242	3400.	U
12672-29-6	Aroclor-1248	3400.	U
11097-69-1	Aroclor-1254	180000 ~~150000.~~	D*
11096-82-5	Aroclor-1260	3400.	U

D* value transferred from dilution analysis 521 DL 1000 X D/F.



Data File: >03342::F3 Quant Output File: ^03342::GQ
Name: 238925 X100 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:48
Injected at: 960715 08:56

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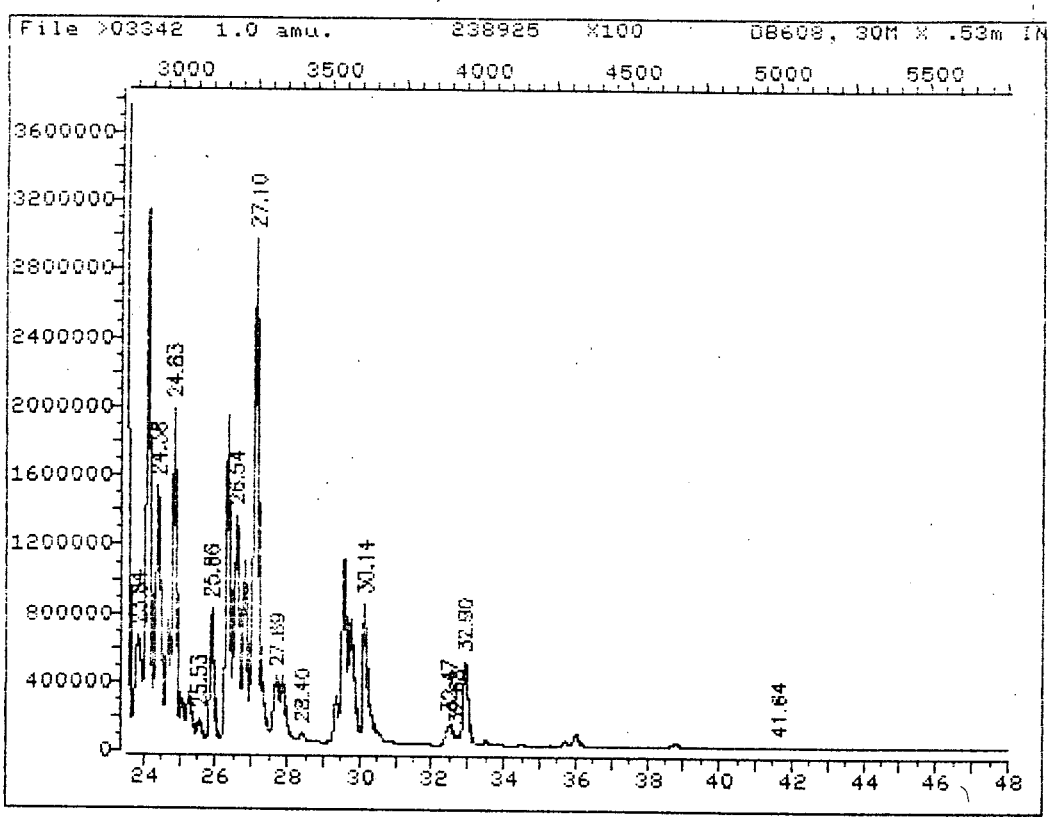

Data File: >03342::F3 Quant Output File: ^03342::GQ
Name: 238925 X100 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:48
Injected at: 960715 08:56

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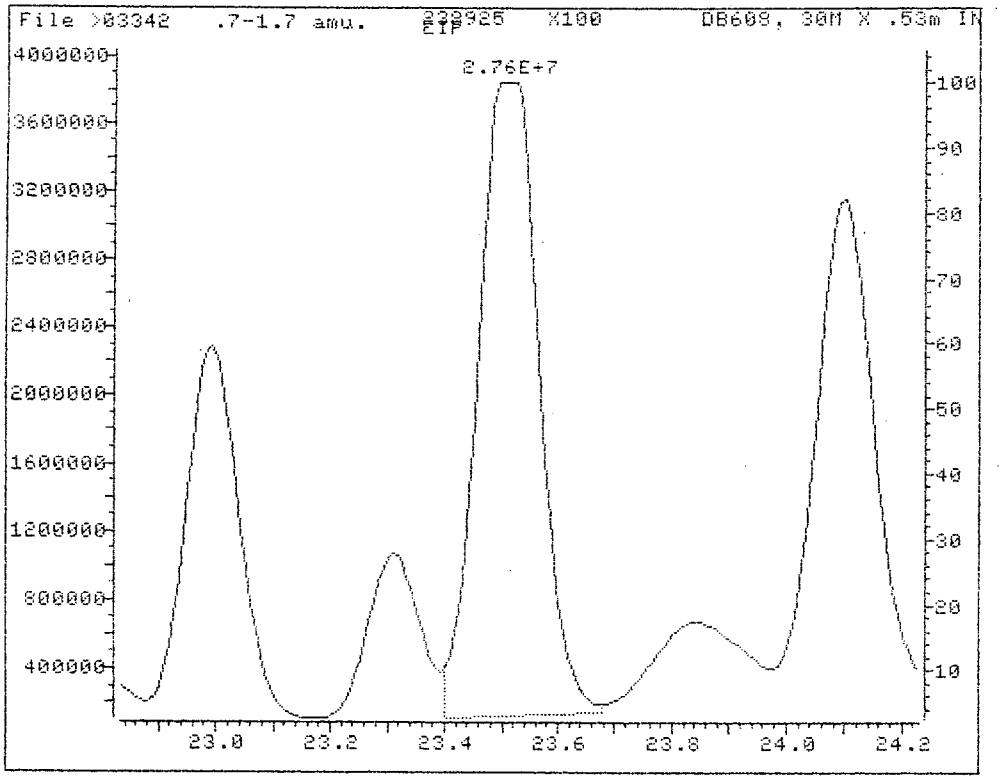
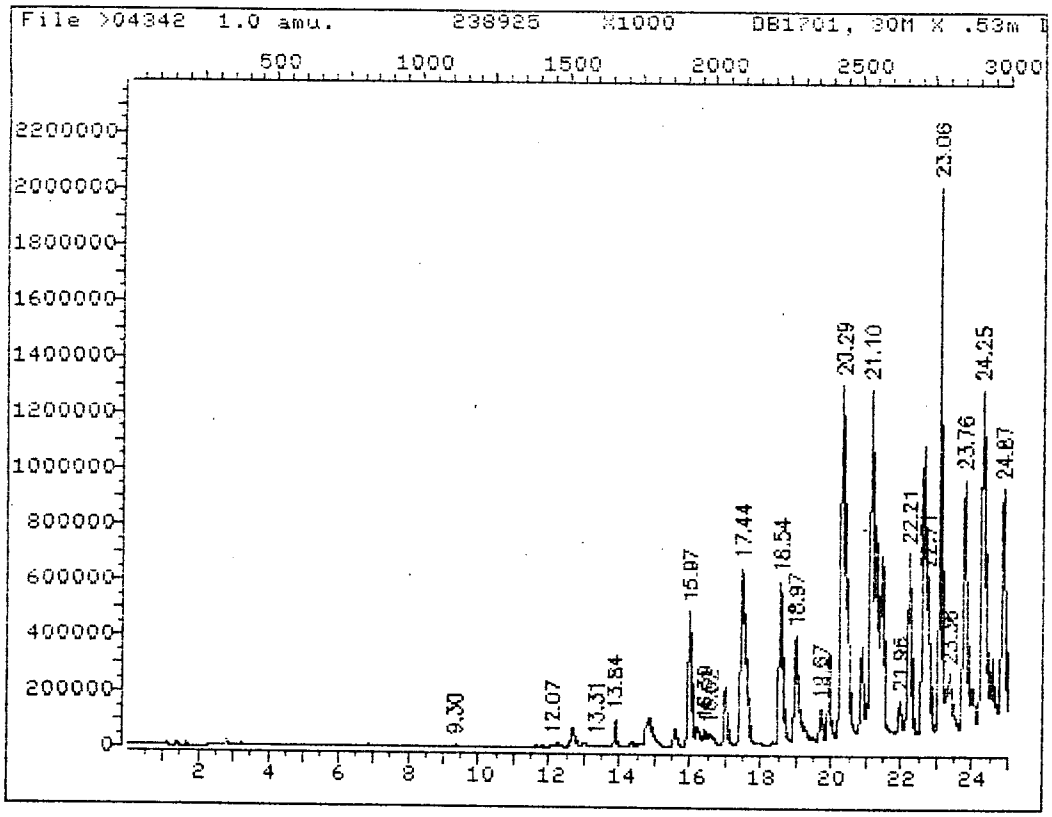


Data File: >03342::F3 Quant Output File: ^03342::GQ
Name: 238925 X100 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ
Quant Time: 960715 09:48 Quant ID File: IDCAP5::SC
Injected at: 960715 08:56 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2821
Retention Time: 23.51 min.
Quant Ion: 1.0
Area: 27634476M
Concentration: 4275.86 ng/ml

This report was produced by QAREA on: 960725 14:01



Data File: >04342::G1 Quant Output File: ^04342::GQ
Name: 238925 X1000 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:50
Injected at: 960715 08:56

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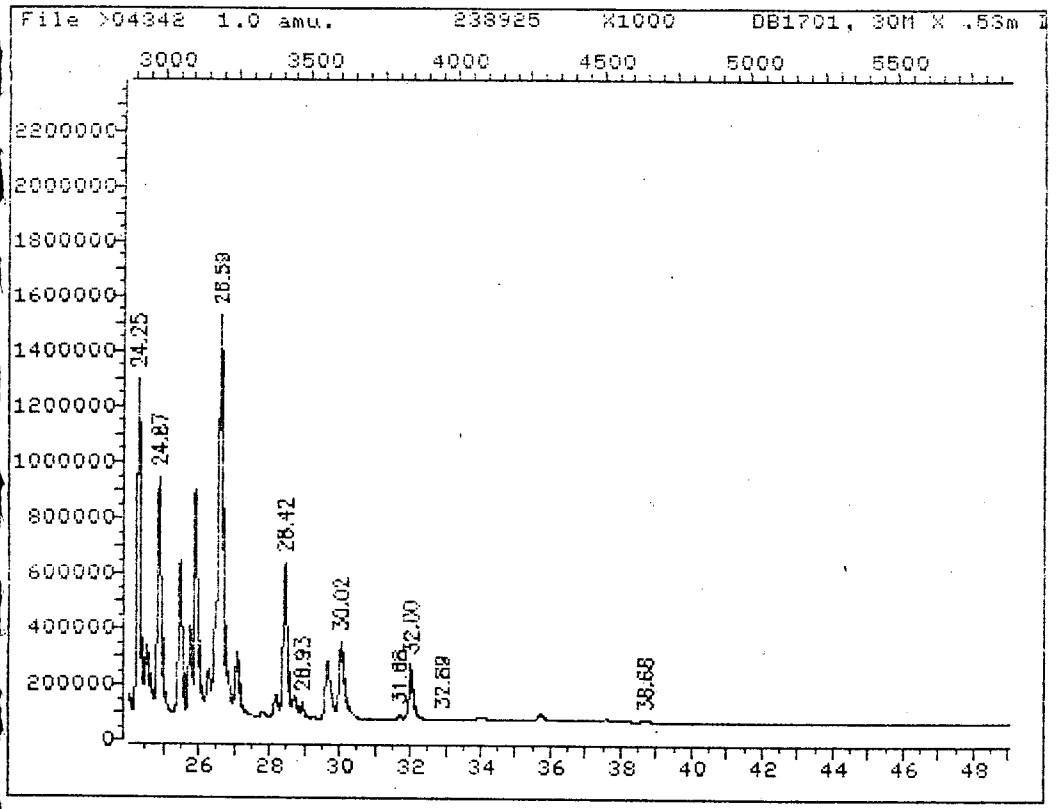

Data File: >04342::G1 Quant Output File: ^04342::GQ
Name: 238925 X1000 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:50
Injected at: 960715 08:56

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QUANT REPORT

Operator ID: TRFI2
Output File: ^03342::GQ
Data File: >03342::F3
Name: 238925 X100
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 09:48
Injected at: 960715 08:56
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1088	48957	.409	ng/ml	100
2)	~~#alpha BHC~~	12.46	1495	987879	6.63	ng/ml	100
3)	~~#beta BHC~~	14.82	1779	715032	8.74	ng/ml	100
4)	~~#delta BHC~~	16.68	2002	396233	3.08	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.29	1715	1391116	10.04	ng/ml	100
6)	~~#Heptachlor~~	16.02	1922	9415276	89.62	ng/ml	100
7)	~~#Aldrin~~	17.38	2085	2734232	20.48	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.93	2392	3905077	31.28	ng/ml	100
9)	~~#Endosulfan~~ I	21.71	2605	6846595	64.51	ng/ml	100
10)	~~#Dieldrin~~	22.99	2759	13982772	148.22	ng/ml	100
11)	~~#4,4' DDE~~	22.69	2723	9755660	105.65	ng/ml	100
12)	~~#Endrin~~	24.83	2979	12679408	145.06	ng/ml	100
13)	~~#Endosulfan II~~	25.86	3103	5377057	54.34	ng/ml	100
14)	~~#4,4' DDD~~	25.53	3063	782376	12.67	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.40	3408	364696	4.15	ng/ml	100
16)	~~#4,4' DDT~~	27.10	3252	21753016	320.22	ng/ml	100
17)	~~#Methoxychlor~~	32.47	3896	1681703	42.27	ng/ml	100
18)	~~#Endrin ketone~~	32.68	3921	423308	4.56	ng/ml	100
19)	#Decachlorobiphenyl	41.64	4997	78466	.679	ng/ml	100
20)	~~#alpha Chlordane~~ NT	21.44	2573	8758054	72.68	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.83	2499	14643484	121.11	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.84	2861	5244484	3282.27	ng/ml	100
23)	~~#Aroclor 1016(1)~~ NP	12.28	1474	47816	16.74	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	8.04	965	30919	35.96	ng/ml	100
25)	~~#Aroclor 1232(1)~~ NP	12.28	1474	47816	17.77	ng/ml	100
26)	~~#Aroclor 1242(1)~~ NP	12.28	1474	47816	19.71	ng/ml	100
27)	~~#Aroclor 1248(1)~~ NP	16.02	1922	9415276	1249.79	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2499	14643484	2943.46	ng/ml	100
29)	~~#Aroclor 1260(1)~~ NP	24.38	2925	11541202	1802.79	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.69	3323	2950082	36.47	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.69	3323	2950082	1764.90	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.40	3408	364696	171.95	ng/ml	100
34)	~~#Aroclor 1016(2)~~	14.29	1715	1392004	239.73	ng/ml	100
35)	~~#Aroclor-1016(3)~~	16.02	1922	9415276	842.54	ng/ml	100
36)	~~#Aroclor 1016(4)~~ NP	16.76	2011	202354	52.57	ng/ml	100
37)	~~#Aroclor-1016(5)~~	19.00	2280	8795280	2600.36	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.25	1350	46019	28.32	ng/ml	100
39)	~~#Aroclor 1221(3)~~ NP	12.28	1474	47816	12.90	ng/ml	100
40)	~~#Aroclor 1232(2)~~ NP	14.29	1715	1392004	495.85	ng/ml	100
41)	~~#Aroclor 1232(3)~~ NP	16.02	1922	9415276	2017.35	ng/ml	100

E Pua 7/17/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^03342::GQ
Data File: >03342::F3
Name: Z58925 X100
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 09:48
Injected at: 960715 08:56
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
42) ~~#Aroclor-1232(4)~~ NP	16.76	2011	202354	115.79	ng/ml	100
43) ~~#Aroclor-1242(2)~~	14.29	1715	1392004	300.71	ng/ml	100
44) ~~#Aroclor-1242(3)~~ NP	16.02	1922	9415276	1061.73	ng/ml	100
45) ~~#Aroclor-1242(4)~~	16.76	2011	202354	61.12	ng/ml	100
46) ~~#Aroclor-1242(5)~~	19.00	2280	8795280	3006.66	ng/ml	100
47) ~~#Aroclor-1248(2)~~	17.53	2103	7864768	2463.15	ng/ml	100
48) ~~#Aroclor-1248(3)~~	19.00	2280	8795280	2137.02	ng/ml	100
49) ~~#Aroclor-1248(4)~~ NP	20.45	2454	7742696	1884.84	ng/ml	100
50) ~~#Aroclor-1248(5)~~	21.71	2605	6846595	1563.32	ng/ml	100
51) #Aroclor-1254(2)	21.12	2534	18446560	3143.85	ng/ml	100
52) #Aroclor-1254(3)	22.69	2723	9755660	5281.41	ng/ml	100
54) #Aroclor-1254(5)	24.83	2979	12679408	3469.53	ng/ml	100
55) ~~#Aroclor-1260(2)~~	24.83	2979	12679408	1779.77	ng/ml	100
56) ~~#Aroclor-1260(3)~~	26.54	3184	10169100	2209.03	ng/ml	100
57) ~~#Aroclor-1260(4)~~ NP	30.14	3616	6277477	573.14	ng/ml	100
58) ~~#Aroclor-1260(5)~~	32.90	3948	4303316	872.94	ng/ml	100

Compound uses ESTD

E Pucci
7/17/96

7/24/96
JMO

*53) Aroclor-1254(4) 23.51 2821 27634476M 4275.86 ng/ml

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:50
Output File: ^04342::GQ Injected at: 960715 08:56
Data File: >04342::G1 Dilution Factor: 1.00000
Name: 238925 X1000 Instrument ID: GC04
Misc: DB1701. 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	11500	.281	ng/ml	100
2)	~~#alpha-BHC~~	13.31	1597	21421	.658	ng/ml	100
3)	~~#beta-BHC~~	18.54	2225	4225958	168.40	ng/ml	100
4)	~~#delta-BHC~~	19.67	2360	680423	25.94	ng/ml	100
6)	~~#Heptachlor~~	16.39	1967	174431	3.73	ng/ml	100
7)	~~#Aldrin~~	17.44	2093	6437596	171.92	ng/ml	100
10)	~~#Dieldrin~~	23.36	2803	1319073	41.10	ng/ml	100
11)	~~#4,4'-DDE~~	22.71	2725	2913774	102.90	ng/ml	100
12)	~~#Endrin~~	24.25	2910	9346954	321.89	ng/ml	100
13)	~~#Endosulfan II~~	26.59	3190	11768214	343.75	ng/ml	100
14)	~~#4,4'-DDD~~	26.59	3190	11686248	607.96	ng/ml	100
18)	~~#Endrin ketone~~	32.89	3946	22407	.706	ng/ml	100
19)	#Decachlorobiphenyl	38.68	4642	31220	.681	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.21	2665	4227829	101.48	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.96	2635	666198	16.63	ng/ml	100
23)	~~#Aroclor 1016(1)~~ NP	12.07	1449	25629	21.16	ng/ml	100
26)	~~#Aroclor 1242(1)~~ NP	12.07	1449	25629	24.95	ng/ml	100
27)	~~#Aroclor 1248(1)~~ NP	13.84	1661	569277	553.80	ng/ml	100
28)	#Aroclor-1254(1)	17.44	2093	6437596	4060.14	ng/ml	100
29)	~~#Aroclor 1260(1)~~ NP	23.76	2851	6356713	2561.61	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.93	3471	468322	14.57	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.42	3410	4317478	6376.20	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.68	3801	175506	338.62	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.84	1661	569277	230.46	ng/ml	100
35)	~~#Aroclor 1016(3)~~	15.97	1916	3127184	778.19	ng/ml	100
36)	~~#Aroclor 1016(4)~~ NP	16.52	1983	84879	57.14	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.54	2225	4225958	2162.73	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.07	1449	25629	15.11	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.07	1449	25629	22.57	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.84	1661	569277	570.43	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.97	1916	3127184	1920.85	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.84	1661	569277	294.41	ng/ml	100
44)	~~#Aroclor 1242(3)~~	15.97	1916	3127184	991.97	ng/ml	100
45)	~~#Aroclor 1242(4)~~ NP	16.52	1983	84879	74.16	ng/ml	100
46)	~~#Aroclor 1242(5)~~	17.44	2093	6437596	7530.85	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.97	1916	3127184	1157.81	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.54	2225	4225958	1745.91	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.97	2276	2881377	1576.74	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.29	2435	9131732	8004.67	ng/ml	100
51)	#Aroclor-1254(2)	20.29	2435	9131732	4249.81	ng/ml	100

EPNA 2/12/96

QUANT REPORT

perator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:50
utput File: ^04342::GQ Injected at: 960715 08:56
Data File: >04342::G1 Dilution Factor: 1.00000
ame: 238925 X1000 Instrument ID: GC04
isc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
itle: Capillary Column DB1701
ast Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
52)	#Aroclor-1254(3)	21.10	2532	7587551	4129.03	ng/ml	100
53)	#Aroclor-1254(4)	23.06	2767	12687818	4883.97	ng/ml	100
54)	#Aroclor-1254(5)	23.76	2851	6356713	4469.04	ng/ml	100
55)	#~~Aroclor-1260(~~2)	24.87	2984	6304190	2208.42	ng/ml	100
56)	#~~Aroclor-1260(3)~~	28.42	3410	4346915	2613.79	ng/ml	100
57)	#~~Aroclor-1260(4)~~ UP	30.02	3602	3077097	719.36	ng/ml	100
58)	#~~Aroclor-1260(5)~~	32.00	3840	2139915	776.36	ng/ml	100

Compound uses ESTD

EPrice
7/17/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S21 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238925

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03316

% Moisture: 4. decanted: (Y/N) N Date Received: 07/01/96

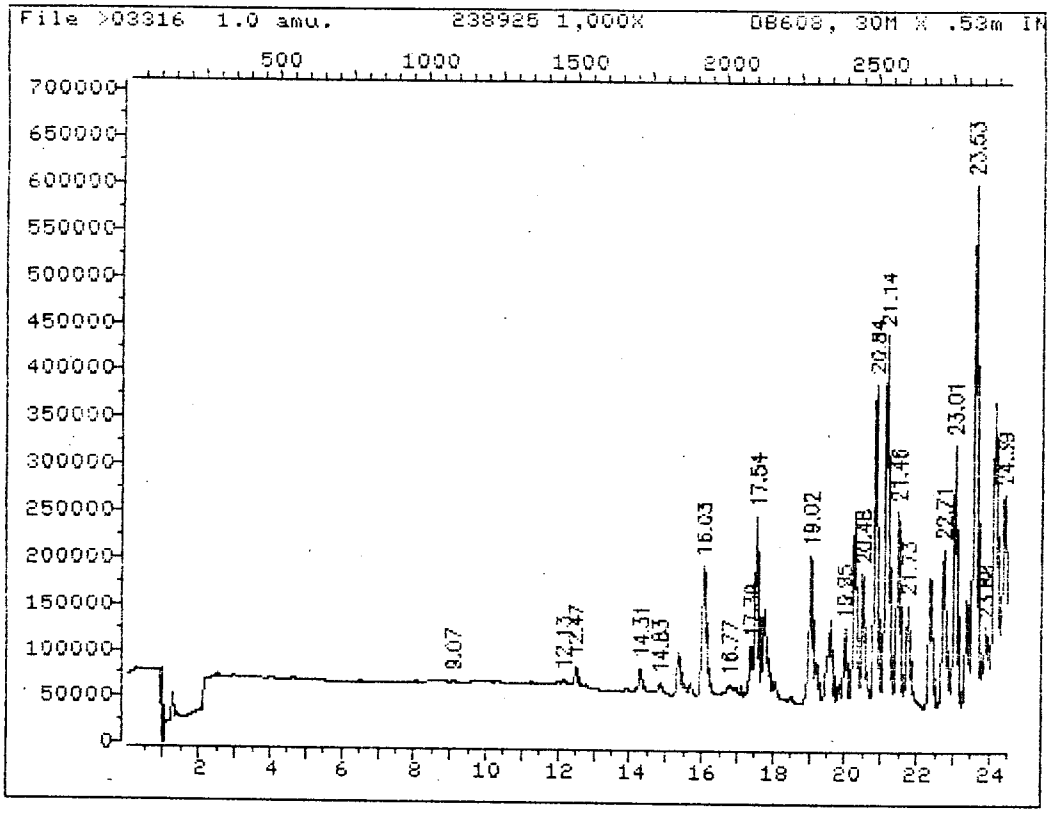
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1800.	U
319-85-7	beta-BHC	1800.	U
319-86-8	delta-BHC	1800.	U
58-89-9	gamma-BHC (Lindane)	1800.	U
76-44-8	Heptachlor	1800.	U
309-00-2	Aldrin	1800.	U
1024-57-3	Heptachlor epoxide	1800.	U
959-98-8	Endosulfan I	1800.	U
60-57-1	Dieldrin	3400.	U
72-55-9	4,4'-DDE	3400.	U
72-20-8	Endrin	3400.	U
33213-65-9	Endosulfan II	3400.	U
72-54-8	4,4'-DDD	3400.	U
1031-07-8	Endosulfan Sulfate	3400.	U
50-29-3	4,4'-DDT	3400.	U
72-43-5	Methoxychlor	18000.	U
53494-70-5	Endrin ketone	3400.	U
7421-93-4	Endrin aldehyde	3400.	U
5103-71-9	alpha-Chlordane	1800.	U
5103-74-2	gamma-Chlordane	1800.	U
8001-35-2	Toxaphene	180000.	U
12674-11-2	Aroclor-1016	34000.	U
11104-28-2	Aroclor-1221	69000.	U
11141-16-5	Aroclor-1232	34000.	U
53469-21-9	Aroclor-1242	34000.	U
12672-29-6	Aroclor-1248	34000.	U
11097-69-1	Aroclor-1254	180000.	
11096-82-5	Aroclor-1260	34000.	U



Data File: >03316::F3 Quant Output File: ^03316::GQ
Name: 238925 1,000X Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960714 09:46
Injected at: 960714 08:56

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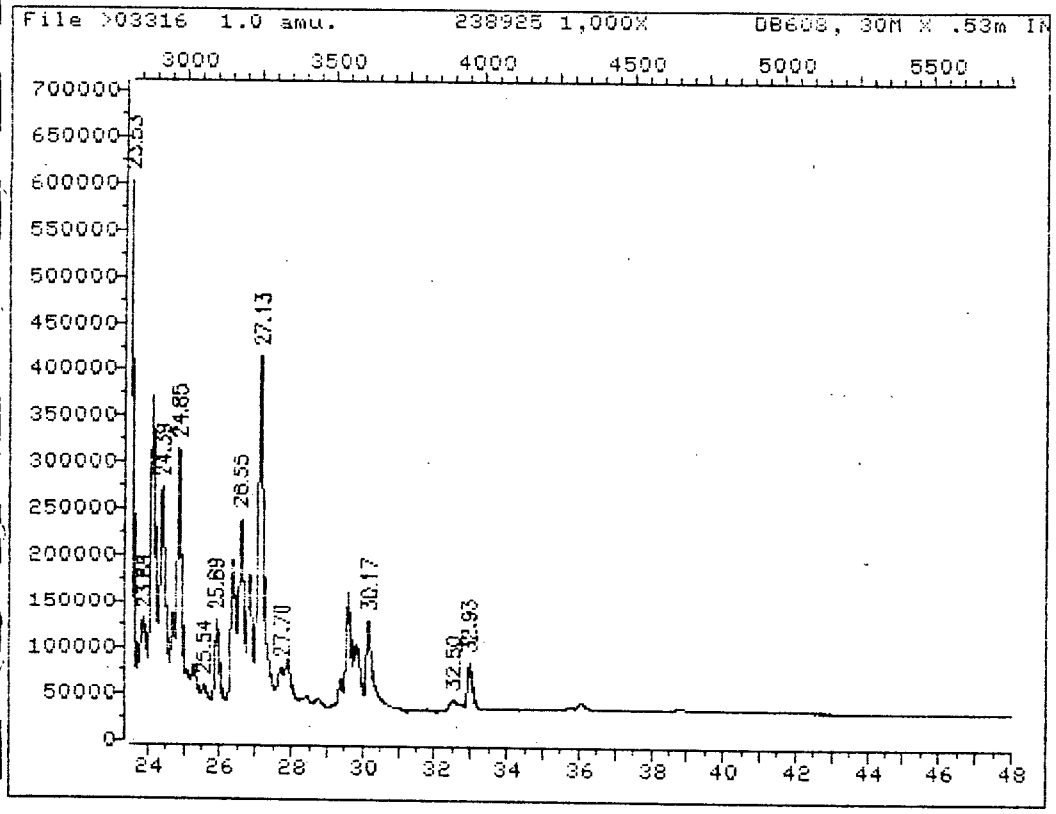

Data File: >03316::F3 Quant Output File: ^03316::GQ
Name: 238925 1,000X Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960714 09:46
Injected at: 960714 08:56

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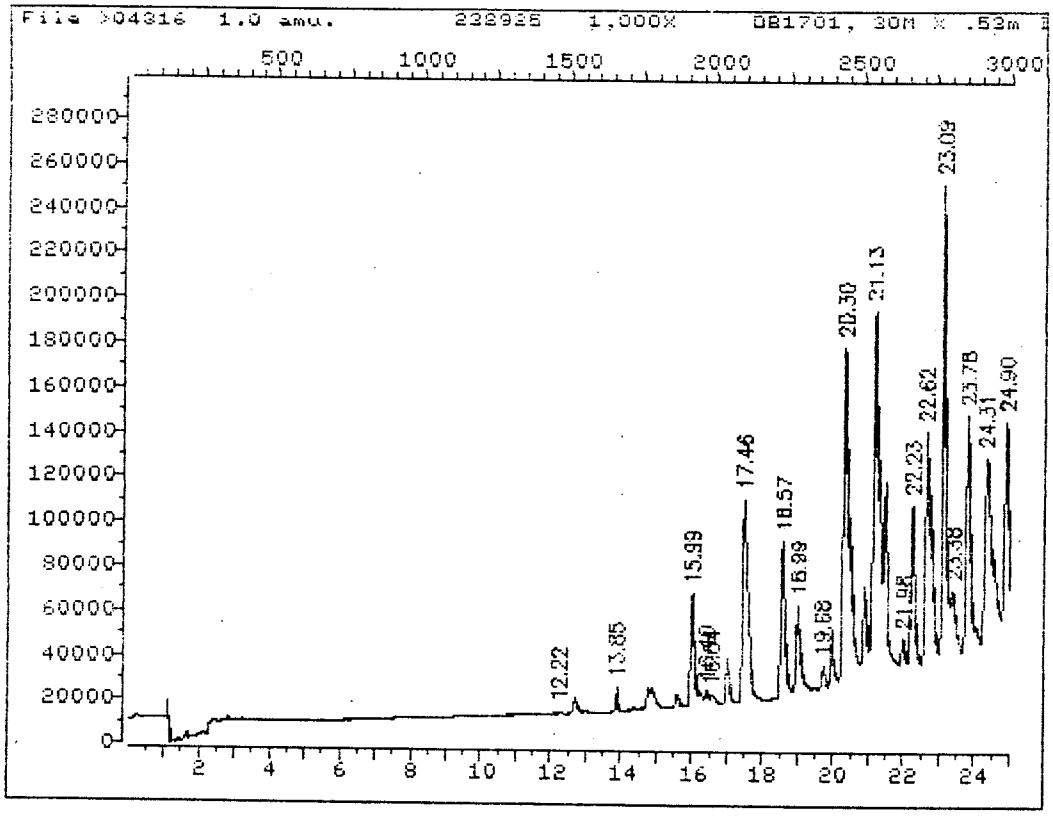
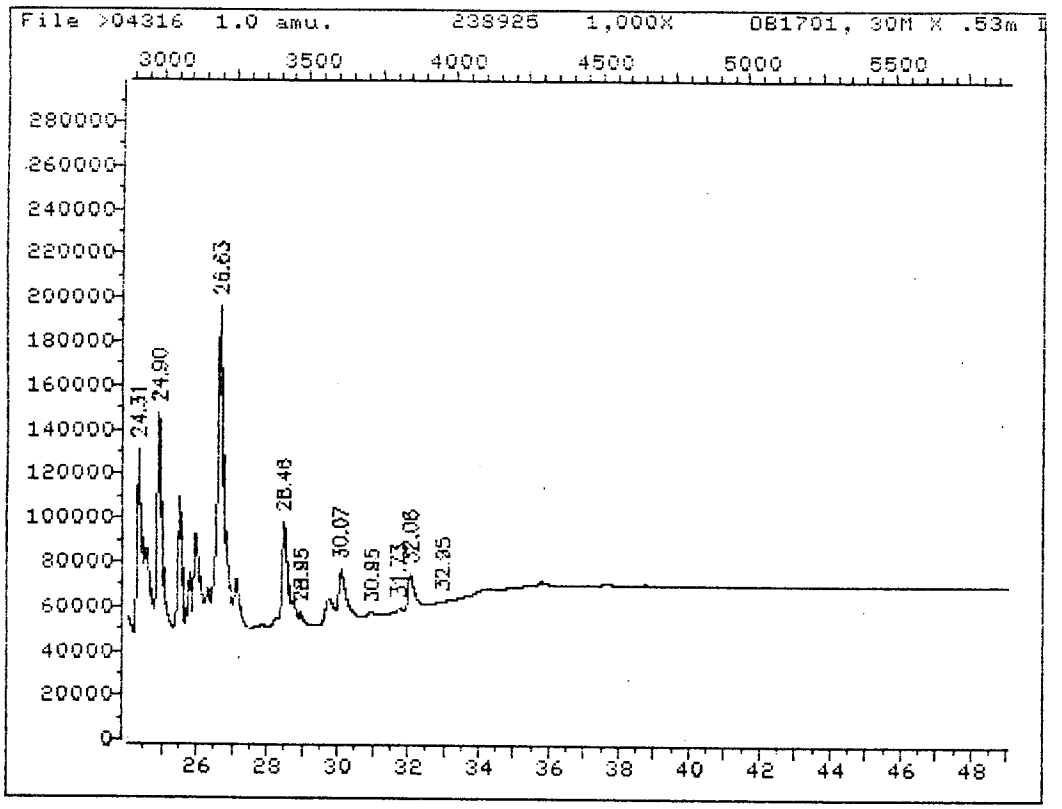


Data File: >04316::G1 Quant Output File: ^04316::GQ
Name: 238925 1.000X Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960714 09:48
Injected at: 960714 08:56

Page 1 of 2



Data File: >04316::G1 Quant Output File: ^04316::GQ
Name: 238925 1,000X Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960714 09:48
Injected at: 960714 08:56

Page 2 of 2

QUANT REPORT

Operator ID: TRFI2
Output File: ^03316::GQ
Data File: >03316::F3
Name: 238925 1.000X
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 08:59
Injected at: 960714 08:56
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	8219	.0687	ng/ml	100
2)	#~~alpha BHC~~	12.47	1497	126897	.851	ng/ml	100
3)	#~~beta BHC~~	14.83	1780	117615	1.44	ng/ml	100
5)	#~~gamma BHC (Lindane)~~	14.31	1717	166504	1.20	ng/ml	100
6)	#~~Heptachlor~~	16.03	1924	1226454	11.67	ng/ml	100
7)	#~~Aldrin~~	17.39	2087	291153	2.18	ng/ml	100
8)	#~~Heptachlor epoxide~~	19.95	2394	426267	3.41	ng/ml	100
9)	#~~Endosulfan~~ I	21.73	2608	886189	8.35	ng/ml	100
10)	#~~Dieldrin~~	23.01	2761	1839815	19.50	ng/ml	100
11)	#~~4,4'-DDE~~	22.71	2725	1301548	14.10	ng/ml	100
12)	#~~Endrin~~	24.85	2982	1761761	20.16	ng/ml	100
13)	#~~Endosulfan II~~	25.89	3106	644997	6.52	ng/ml	100
14)	#~~4,4' DDD~~	25.54	3065	125659	2.04	ng/ml	100
16)	#~~4,4' DDT~~	27.13	3255	3639017	53.57	ng/ml	100
17)	#~~Methoxychlor~~	32.50	3900	161747	4.07	ng/ml	100
18)	#~~Endrin ketone~~	32.93	3951	465482	5.02	ng/ml	100
20)	#~~alpha Chlordane~~	21.46	2575	1285948	10.67	ng/ml	100
21)	#~~gamma Chlordane~~	20.84	2501	2159938	17.86	ng/ml	100
22)	#~~Toxaphene~~(1) NP	23.53	2824	5680648	2303.54	ng/ml	100
23)	#~~Aroclor 1016~~(1) NP	12.13	1456	21139	7.40	ng/ml	100
25)	#~~Aroclor 1232~~(1) NP	12.13	1456	21139	7.85	ng/ml	100
26)	#~~Aroclor 1242~~(1) NP	12.13	1456	21139	8.71	ng/ml	100
27)	#~~Aroclor 1248~~(1) NP	16.03	1924	1226454	162.80	ng/ml	100
28)	#~~Aroclor 1254~~(1) yes 4	20.84	2501	2159938	434.16	ng/ml	100
29)	#~~Aroclor-1260~~(1) NP	24.39	2927	1825438	285.14	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	27.70	3324	291618	3.60	ng/ml	100
31)	#~~Toxaphene~~(2) NP	27.70	3324	291618	174.46	ng/ml	100
34)	#~~Aroclor 1016~~(2)	14.31	1717	167220	28.80	ng/ml	100
35)	#~~Aroclor-1016~~(3)	16.03	1924	1226454	109.75	ng/ml	100
36)	#~~Aroclor-1016~~(4) NP	16.77	2012	107898	28.03	ng/ml	100
37)	#~~Aroclor 1016~~(5)	19.02	2282	1153444	341.02	ng/ml	100
39)	#~~Aroclor-1221~~(3) NP	12.13	1456	21139	5.70	ng/ml	100
40)	#~~Aroclor-1232~~(2)	14.31	1717	167220	59.57	ng/ml	100
41)	#~~Aroclor 1232~~(3) NP	16.03	1924	1226454	262.78	ng/ml	100
42)	#~~Aroclor 1232~~(4)	16.77	2012	107898	61.74	ng/ml	100
43)	#~~Aroclor 1242~~(2)	14.31	1717	167220	36.12	ng/ml	100
44)	#~~Aroclor-1242~~(3)	16.03	1924	1226454	138.30	ng/ml	100
45)	#~~Aroclor-1242~~(4) NP	16.77	2012	107898	32.59	ng/ml	100
46)	#~~Aroclor-1242~~(5)	19.02	2282	1153444	394.30	ng/ml	100
47)	#~~Aroclor-1248~~(2) NP	17.54	2105	1224868	383.61	ng/ml	100

NT

EPMA 7/15/96

QUANT REPORT

perator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 08:59
utput File: ^03316::GQ Injected at: 960714 08:56
Data File: >03316::F3 Dilution Factor: 1.00000
Name: 238925 1,000X Instrument ID: GC03
isc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
itle: Capillary Column DB 608
ast Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
48)	#~~Aroclor-1248~~(3)	19.02	2282	1153444	280.26	ng/ml	100
49)	#~~Aroclor-1248~~(4) NP	20.48	2457	957052	232.98	ng/ml	100
50)	#~~Aroclor-1248~~(5)	21.73	2608	886189	202.35	ng/ml	100
51)	#Aroclor-1254(2)	21.14	2537	2752393	469.09	ng/ml	100
52)	#Aroclor-1254(3)	22.71	2725	1301548	704.62	ng/ml	100
53)	#Aroclor-1254(4)	23.53	2824	3565935	551.75	ng/ml	100
54)	#Aroclor-1254(5)	24.85	2982	1761761	482.08	ng/ml	100
55)	#~~Aroclor-1260~~(2)	24.85	2982	1761761	247.29	ng/ml	100
56)	#~~Aroclor-1260~~(3)	26.55	3186	1369076	297.40	ng/ml	100
57)	#~~Aroclor-1260~~(4) NP	30.17	3620	1123042	102.53	ng/ml	100
58)	#~~Aroclor-1260~~(5)	32.93	3951	465482	94.42	ng/ml	100

Compound uses ESTD

EPM
7/15/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^04316::GQ
Data File: >04316::G1
Name: 238925 1,000X
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 09:25
Injected at: 960714 08:56
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
3)	#~~beta-BHC~~	18.57	2228	559468	22.29	ng/ml	100
4)	#~~delta-BHC~~	19.68	2362	71098	2.71	ng/ml	100
6)	#~~Heptachlor~~	16.40	1968	19303	.413	ng/ml	100
7)	#~~Aldrin~~	17.46	2095	953986	25.48	ng/ml	100
10)	#~~Dieldrin~~	23.38	2806	210458	6.56	ng/ml	100
11)	#~~4,4' DDE~~	22.62	2714	678119	23.95	ng/ml	100
12)	#~~Endrin~~	24.31	2917	919019	31.65	ng/ml	100
13)	#~~Endosulfan II~~	26.63	3195	1557723	45.50	ng/ml	100
14)	#~~4,4' DDD~~	26.63	3195	1570303	81.69	ng/ml	100
17)	#~~Methoxychlor~~	30.95	3714	21896	1.64	ng/ml	100
18)	#~~Endrin ketone~~	32.95	3954	6526	.206	ng/ml	100
20)	#~~alpha-Chlordane~~	22.23	2668	495129	11.88	ng/ml	100
21)	#~~gamma-Chlordane~~	21.98	2638	63866	1.59	ng/ml	100
23)	#~~Aroclor-1016(1)~~ NP	12.22	1467	5354	4.42	ng/ml	100
26)	#~~Aroclor-1242(1)~~ NP	12.22	1467	5354	5.21	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	13.85	1662	67063	65.24	ng/ml	100
28)	#Aroclor-1254(1)	17.46	2095	953986	601.67	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	23.78	2854	810451	326.59	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	28.95	3474	47325	1.47	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	28.46	3415	401391	592.79	ng/ml	100
33)	#~~Toxaphene(4)~~ NP	31.73	3807	26725	51.56	ng/ml	100
34)	#~~Aroclor-1016~~(2)	13.85	1662	67063	27.15	ng/ml	100
35)	#~~Aroclor-1016(3)~~	15.99	1919	357357	88.93	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.54	1985	34561	23.27	ng/ml	100
37)	#~~Aroclor-1016(5)~~	18.57	2228	559468	286.32	ng/ml	100
39)	#~~Aroclor-1221(3)~~ NP	12.22	1467	5354	3.16	ng/ml	100
40)	#~~Aroclor-1232(2)~~	12.22	1467	5354	4.72	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	13.85	1662	67063	67.20	ng/ml	100
42)	#~~Aroclor-1232(4)~~	15.99	1919	357357	219.50	ng/ml	100
43)	#~~Aroclor-1242(2)~~	13.85	1662	67063	34.68	ng/ml	100
44)	#~~Aroclor-1242~~(3)	15.99	1919	357357	113.36	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.54	1985	34561	30.20	ng/ml	100
46)	#~~Aroclor-1242(5)~~	17.46	2095	953986	1116.00	ng/ml	100
47)	#~~Aroclor-1248(2)~~	15.99	1919	357357	132.31	ng/ml	100
48)	#~~Aroclor-1248(3)~~	18.57	2228	559468	231.14	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	18.99	2279	343507	187.97	ng/ml	100
50)	#~~Aroclor-1248(5)~~	20.30	2436	1136501	996.23	ng/ml	100
51)	#Aroclor-1254(2)	20.30	2436	1136501	528.92	ng/ml	100
52)	#Aroclor-1254(3)	21.13	2535	1006189	547.55	ng/ml	100
53)	#Aroclor-1254(4)	23.09	2771	1644715	633.11	ng/ml	100

NT

7/16/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^04316::GQ
Data File: >04316::G1
Name: 238925 1.000X
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 09:25
Injected at: 960714 08:56
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
54)	#Aroclor-1254(5)	23.78	2854	810451	569.78	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.90	2988	871990	305.47	ng/ml	100
56)	~~#Aroclor-1260(3)~~	28.46	3415	401391	241.36	ng/ml	100
57)	~~#Aroclor-1260(4)~~	30.07	3608	334577	78.22	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.06	3847	232883	84.49	ng/ml	100

NP

Compound uses ESTD

EPua
7/16/96

QUANT REPORT

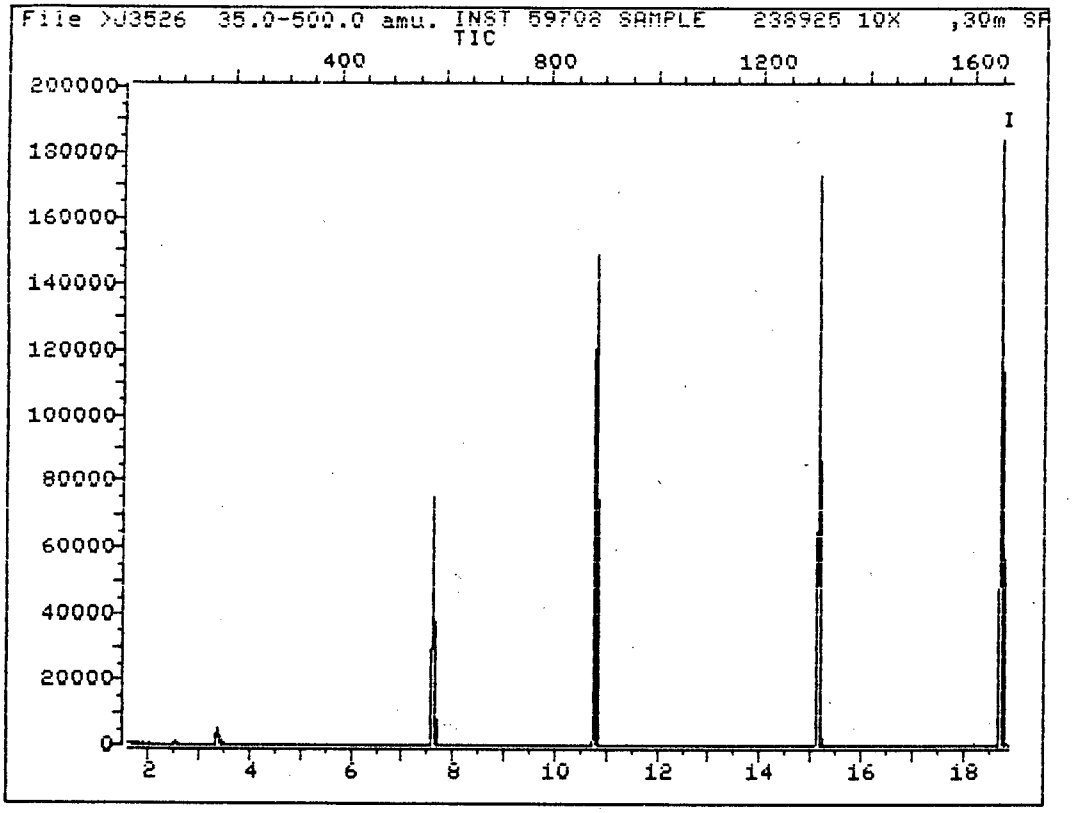
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960719 14:16
Output File: ^J3526::QT Injected at: 960719 13:40
Data File: >J3526::D4 Dilution Factor: 1.00000
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238925 10X ,30m SPB-5 CAP CLUMN BTL# 7

ID File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Compound	R.T.	Q ion	Area	Conc	Units	q
1) *Phenanthrene-d10	18.73	188.0	129435	40.00	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >J3526::D4 Quant Output File: ^J3526::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238925 10X ,30m SPB-5 CAP CLUMN BTL# 7

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960719 14:16
Injected at: 960719 13:40

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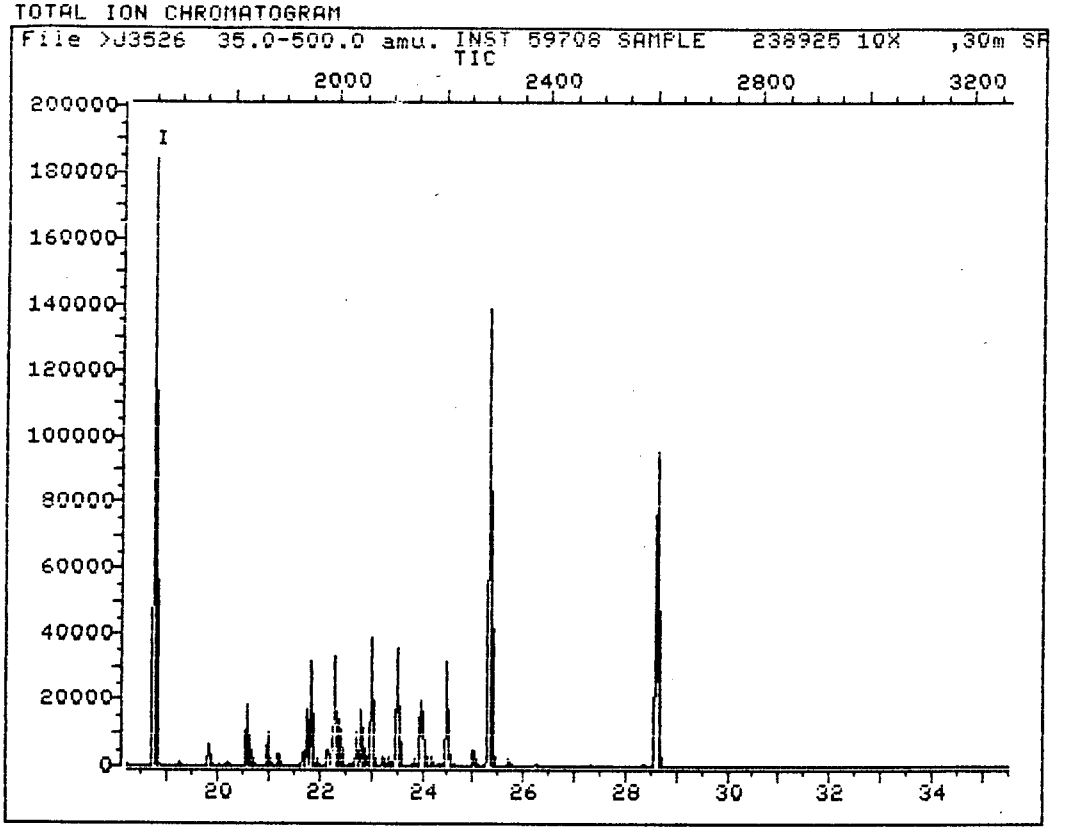
TOTAL ION CHROMATOGRAM



Data File: >J3526::D4 Quant Output File: ^J3526::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238925 10X ,30m SPB-5 CAP CLUMN BTL# 7

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960719 14:16
Injected at: 960719 13:40

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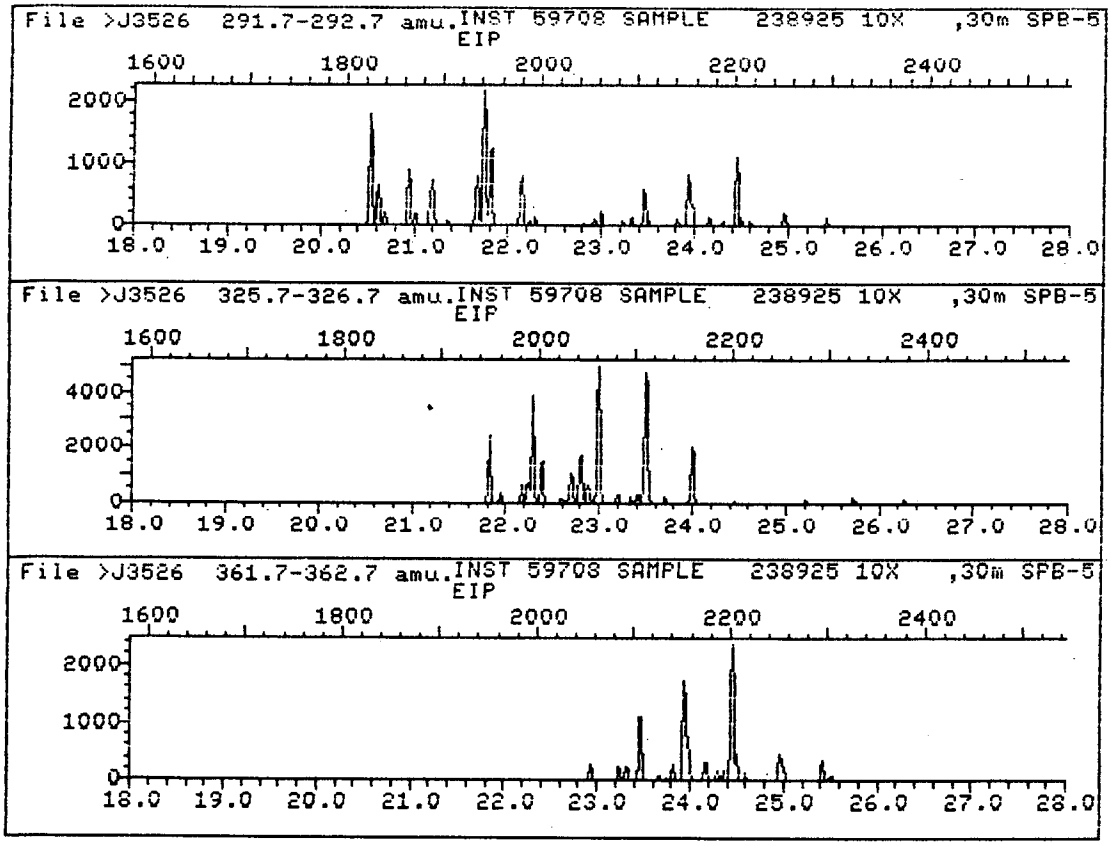


MS data file header from : >J3526::D4

Sample: INST 59708 SAMPLE Operator: GT0101 SUPER GRP. 7/19/96 13:40
Misc : 238925 10X ,30m SPB-5 CAP CLUMN BTL# 7
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 7 Equip ID: 5970 "J"
Method file: BNPJ Tuning file: MTA008 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	40.	280.	300.	0.	0.
Chromatographic times, min. :	4.0	1.0	20.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	10.0	0.0	0.0	0.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S22

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238927

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03355

% Moisture: 5. decanted: (Y/N) N Date Received: 07/01/96

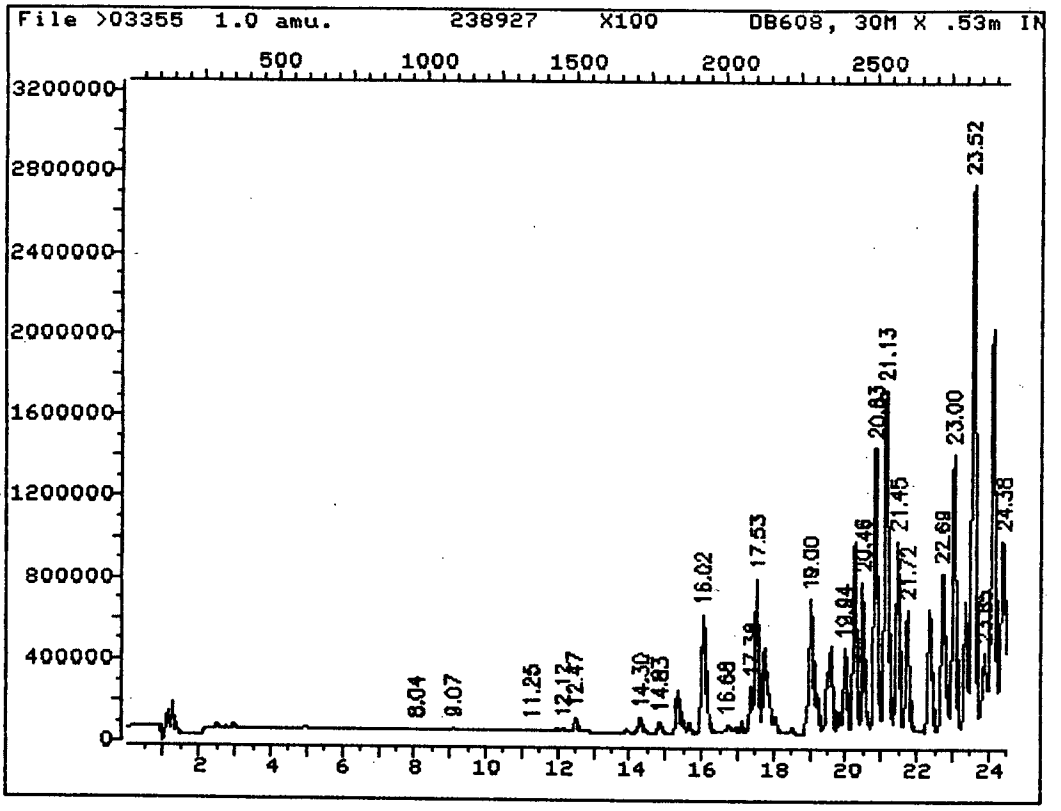
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	340.	U
72-55-9	4,4'-DDE	340.	U
72-20-8	Endrin	340.	U
33213-65-9	Endosulfan II	340.	U
72-54-8	4,4'-DDD	340.	U
1031-07-8	Endosulfan Sulfate	340.	U
50-29-3	4,4'-DDT	340.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	340.	U
7421-93-4	Endrin aldehyde	340.	U
5103-71-9	alpha-Chlordane	180.	U
5103-74-2	gamma-Chlordane	180.	U
8001-35-2	Toxaphene	18000.	U
12674-11-2	Aroclor-1016	3400.	U
11104-28-2	Aroclor-1221	6900.	U
11141-16-5	Aroclor-1232	3400.	U
53469-21-9	Aroclor-1242	3400.	U
12672-29-6	Aroclor-1248	3400.	U
11097-69-1	Aroclor-1254	83000.	
11096-82-5	Aroclor-1260	3400.	U



Data File: >03355::F3 Quant Output File: ^03355::GQ
Name: 238927 X100 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 21:44
Injected at: 960715 20:51

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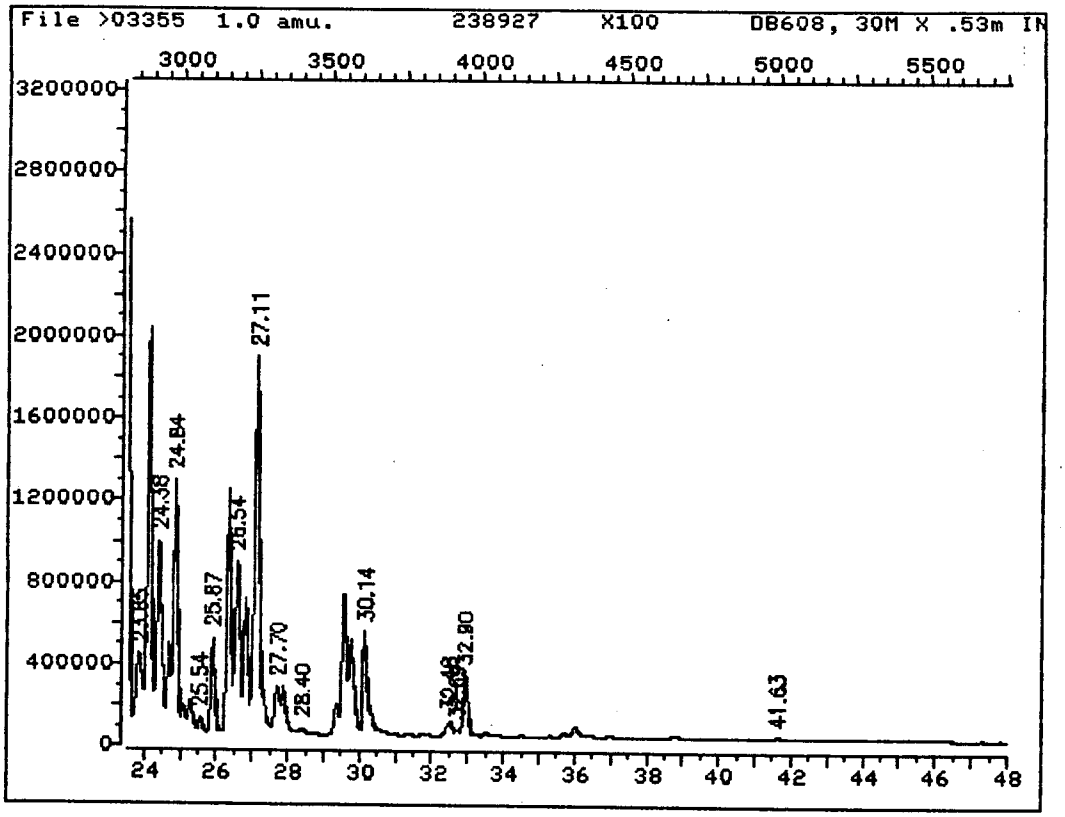

Data File: >03355::F3 Quant Output File: ^03355::GQ
Name: 238927 X100 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 21:44
Injected at: 960715 20:51

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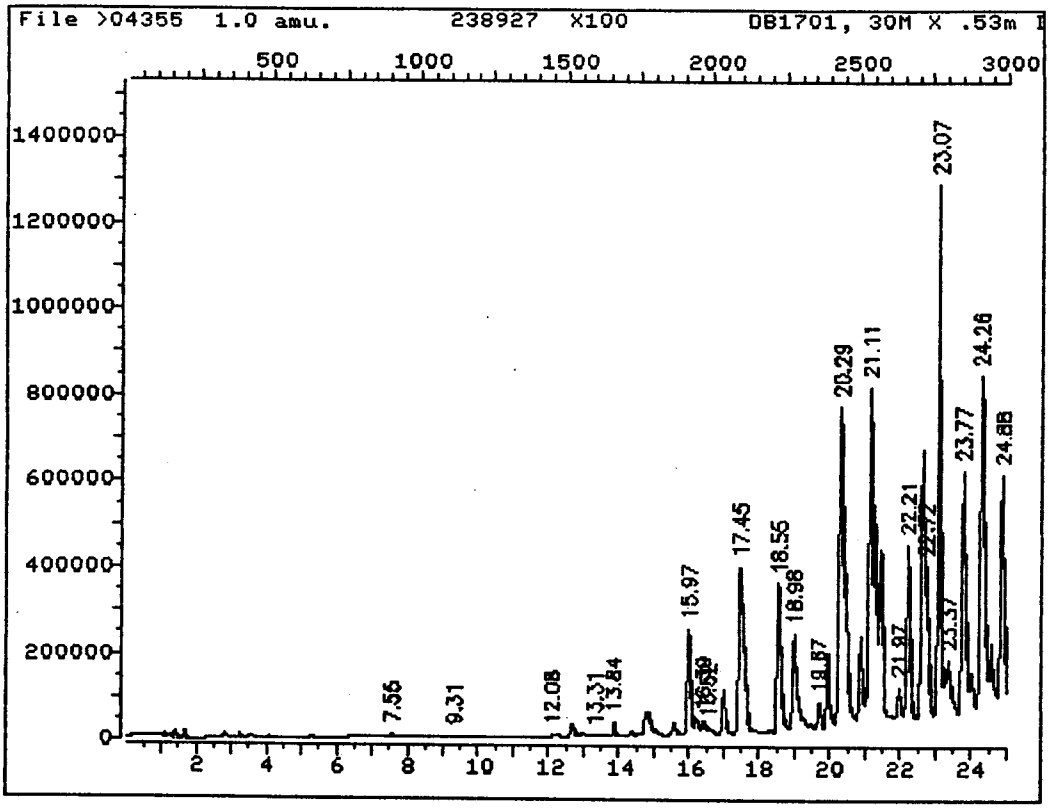

Data File: >04355::G1 Quant Output File: ^04355::GQ
Name: 238927 X100 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 21:46
Injected at: 960715 20:51

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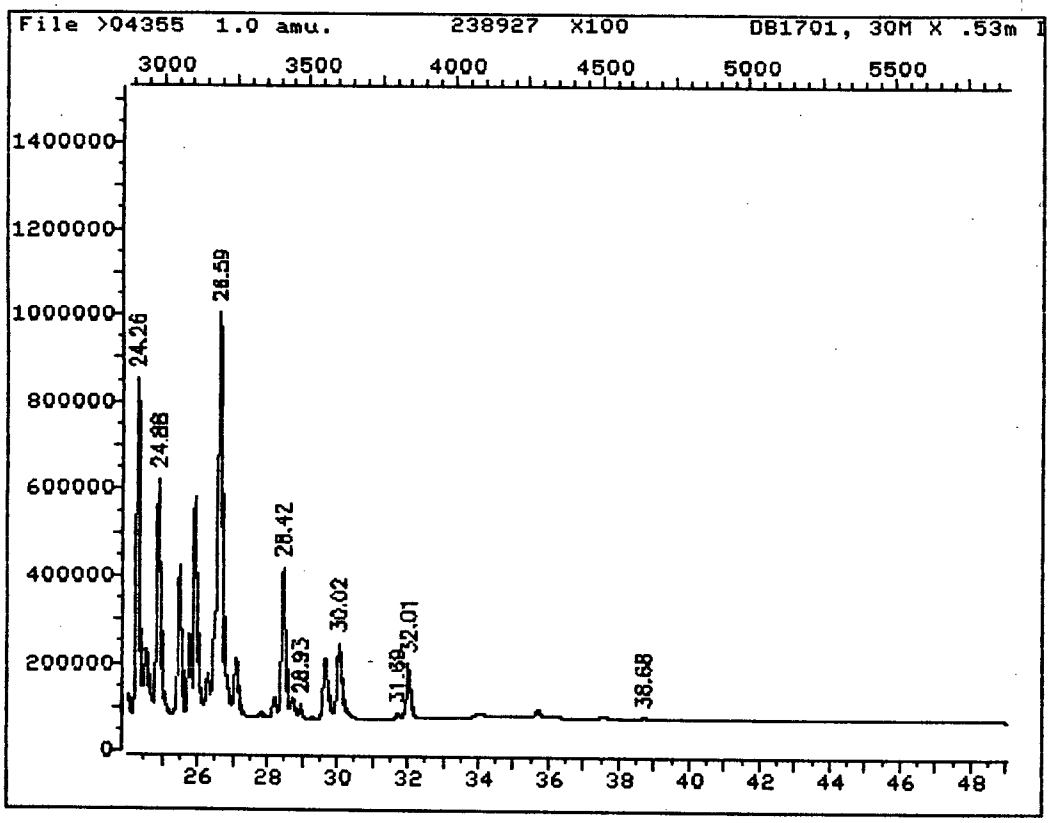

Data File: >04355::G1 Quant Output File: ^04355::GQ
Name: 238927 X100 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 21:46
Injected at: 960715 20:51

Page 2 of 2

QUANT REPORT

Operator ID: TRFI2
Output File: ^03355::GQ
Data File: >03355::F3
Name: 238927 X100
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 21:44
Injected at: 960715 20:51
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	56971	.476	ng/ml	100
2)	~~#alpha-BHC~~	12.47	1496	404731	2.72	ng/ml	100
3)	~~#beta-BHC~~	14.83	1780	518531	6.34	ng/ml	100
4)	~~#delta-BHC~~	16.68	2002	349135	2.71	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.30	1716	537171	3.88	ng/ml	100
6)	~~#Heptachlor~~	16.02	1923	4982083	47.42	ng/ml	100
7)	~~#Aldrin~~	17.38	2086	1234819	9.25	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.94	2393	2229061	17.85	ng/ml	100
9)	~~#Endosulfan~~ I	21.72	2606	3689689	34.76	ng/ml	100
10)	~~#Dieldrin~~	23.00	2760	8582518	90.98	ng/ml	100
11)	~~#4,4'-DDE~~	22.69	2723	6071203	65.75	ng/ml	100
12)	~~#Endrin~~	24.84	2980	8171946	93.49	ng/ml	100
13)	~~#Endosulfan II~~	25.87	3104	3281428	33.16	ng/ml	100
14)	~~#4,4'-DDD~~	25.54	3064	488219	7.91	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.40	3408	234349	2.66	ng/ml	100
16)	~~#4,4'-DDT~~	27.11	3253	13961020	205.52	ng/ml	100
17)	~~#Methoxychlor~~	32.48	3897	836064	21.01	ng/ml	100
18)	~~#Endrin ketone~~	32.69	3922	225758	2.43	ng/ml	100
19)	#Decachlorobiphenyl	41.63	4995	135191	1.17	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.45	2574	5635754	46.77	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.83	2499	9109866	75.34	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.85	2862	3131409	1959.80	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.12	1455	50769	17.77	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	8.04	965	43788	50.93	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.12	1455	50769	18.86	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.12	1455	50769	20.92	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.02	1923	4968808	659.56	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2499	9109866	1831.15	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.38	2926	7418956	1158.87	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.70	3324	1824805	22.56	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.70	3324	1826069	1092.45	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.40	3408	234349	110.49	ng/ml	100
34)	~~#Aroclor-1016~~(2) NP	14.30	1716	537629	92.59	ng/ml	100
35)	~~#Aroclor-1016~~(3) NP	16.02	1923	4968808	444.64	ng/ml	100
36)	~~#Aroclor-1016~~(4) NP	16.68	2002	352798	91.65	ng/ml	100
37)	~~#Aroclor-1016~~(5) NP	19.00	2280	5143798	1520.79	ng/ml	100
38)	~~#Aroclor-1221~~(2) NP	11.25	1350	21220	13.06	ng/ml	100
39)	~~#Aroclor-1221~~(3) NP	12.12	1455	50769	13.70	ng/ml	100
40)	~~#Aroclor-1232~~(2) NP	14.30	1716	537629	191.51	ng/ml	100
41)	~~#Aroclor-1232~~(3) NP	16.02	1923	4968808	1064.64	ng/ml	100

NT

E Pauli
7/17/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 21:44
Output File: ^03355::GQ Injected at: 960715 20:51
Data File: >03355::F3 Dilution Factor: 1.00000
Name: 238927 X100 Instrument ID: GC03
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
42)	~~#Aroclor-1232(4)~~ NP	16.68	2002	352798	201.87	ng/ml	100
43)	~~#Aroclor-1242(2)~~	14.30	1716	537629	116.14	ng/ml	100
44)	~~#Aroclor-1242(3)~~	16.02	1923	4968808	560.32	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.68	2002	352798	106.57	ng/ml	100
46)	~~#Aroclor-1242(5)~~	19.00	2280	5143798	1758.40	ng/ml	100
47)	~~#Aroclor-1248(2)~~	17.53	2103	4825547	1511.30	ng/ml	100
48)	~~#Aroclor-1248(3)~~	19.00	2280	5143798	1249.81	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.46	2455	4744617	1155.00	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.72	2606	3689689	842.49	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2535	11503054	1960.47	ng/ml	100
52)	#Aroclor-1254(3)	22.69	2723	6071203	3286.76	ng/ml	100
53)	#Aroclor-1254(4)	23.52	2822	17427120	2696.49	ng/ml	100
54)	#Aroclor-1254(5)	24.84	2980	8171946	2236.13	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.84	2980	8171946	1147.07	ng/ml	100
56)	~~#Aroclor-1260(3)~~	26.54	3185	6375488	1384.94	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.14	3617	3918466	357.76	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.90	3948	2572528	521.84	ng/ml	100

Compound uses ESTD

E Prui
7/17/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 21:46
Output File: ^04355::GQ Injected at: 960715 20:51
Data File: >04355::G1 Dilution Factor: 1.00000
Name: 238927 X100 Instrument ID: GC04
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	17320	.423	ng/ml	100
2)	#~~alpha~~-BHC	13.31	1597	9168	.282	ng/ml	100
3)	#~~beta-BHC~~	18.55	2226	2510309	100.04	ng/ml	100
4)	#~~delta-BHC~~	19.67	2360	364712	13.91	ng/ml	100
6)	#~~Heptachlor~~	16.39	1967	125131	2.67	ng/ml	100
7)	#~~Aldrin~~	17.45	2094	3937679	105.16	ng/ml	100
10)	#~~Dieldrin~~	23.37	2804	522113	16.27	ng/ml	100
11)	#~~4,4'-DDE~~	22.72	2726	1932937	68.26	ng/ml	100
12)	#~~Endrin~~	24.26	2911	6077189	209.28	ng/ml	100
13)	#~~Endosulfan II~~	26.59	3191	7495167	218.93	ng/ml	100
14)	#~~4,4'-DDD~~	26.59	3191	7461716	388.18	ng/ml	100
19)	#Decachlorobiphenyl	38.68	4642	28029	.611	ng/ml	100
20)	#~~alpha-Chlordane~~	22.21	2665	2622644	62.95	ng/ml	100
21)	#~~gamma-Chlordane~~	21.97	2636	392319	9.79	ng/ml	100
23)	#~~Aroclor-1016(1)~~	12.08	1450	20694	17.08	ng/ml	100
24)	#~~Aroclor-1221(1)~~	7.55	906	33579	43.93	ng/ml	100
25)	#~~Aroclor-1232(1)~~	7.55	906	33579	30.42	ng/ml	100
26)	#~~Aroclor-1242(1)~~	12.08	1450	20694	20.14	ng/ml	100
27)	#~~Aroclor-1248(1)~~	13.84	1661	197100	191.74	ng/ml	100
28)	#Aroclor-1254(1)	17.45	2094	3937415	2483.30	ng/ml	100
29)	#~~Aroclor-1260(1)~~	23.77	2852	4029158	1623.66	ng/ml	100
30)	#~~Endrin aldehyde~~	28.93	3471	267970	8.33	ng/ml	100
31)	#~~Toxaphene(2)~~	28.42	3410	2647024	3909.22	ng/ml	100
33)	#~~Toxaphene(4)~~	31.69	3802	106391	205.27	ng/ml	100
34)	#~~Aroclor-1016(2)~~	13.84	1661	197100	79.79	ng/ml	100
35)	#~~Aroclor-1016(3)~~	15.97	1917	1603062	398.91	ng/ml	100
36)	#~~Aroclor-1016(4)~~	16.52	1983	27448	18.48	ng/ml	100
37)	#~~Aroclor-1016(5)~~	18.55	2226	2510309	1284.71	ng/ml	100
39)	#~~Aroclor-1221(3)~~	12.08	1450	20694	12.20	ng/ml	100
40)	#~~Aroclor-1232(2)~~	12.08	1450	20694	18.22	ng/ml	100
41)	#~~Aroclor-1232(3)~~	13.84	1661	197100	197.50	ng/ml	100
42)	#~~Aroclor-1232(4)~~	15.97	1917	1603062	984.67	ng/ml	100
43)	#~~Aroclor-1242(2)~~	13.84	1661	197100	101.93	ng/ml	100
44)	#~~Aroclor-1242(3)~~	15.97	1917	1603062	508.51	ng/ml	100
45)	#~~Aroclor-1242(4)~~	16.52	1983	26870	23.48	ng/ml	100
46)	#~~Aroclor-1242(5)~~	17.45	2094	3937415	4606.08	ng/ml	100
47)	#~~Aroclor-1248(2)~~	15.97	1917	1603062	593.52	ng/ml	100
48)	#~~Aroclor-1248(3)~~	18.55	2226	2510309	1037.11	ng/ml	100
49)	#~~Aroclor-1248(4)~~	18.98	2277	1722482	942.57	ng/ml	100
50)	#~~Aroclor-1248(5)~~	20.29	2435	5260596	4611.32	ng/ml	100

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7/17/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^04355::GQ
Data File: >04355::G1
Name: 238927 X100
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 21:46
Injected at: 960715 20:51
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
51) #Aroclor-1254(2)	20.29	2435	5260596	2448.22	ng/ml	100
52) #Aroclor-1254(3)	21.11	2533	4791940	2607.70	ng/ml	100
53) #Aroclor-1254(4)	23.07	2768	8127899	3128.70	ng/ml	100
54) #Aroclor-1254(5)	23.77	2852	4029158	2832.67	ng/ml	100
55) ~~#Aroclor-1260(2)~~ UP	24.88	2985	4046250	1417.44	ng/ml	100
56) ~~#Aroclor-1260(3)~~ UP	28.42	3410	2671680	1606.47	ng/ml	100
57) ~~#Aroclor-1260(4)~~ UP	30.02	3602	1822180	425.99	ng/ml	100
58) ~~#Aroclor-1260(5)~~ UP	32.01	3841	1266539	459.50	ng/ml	100

Compound uses ESTD

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7/17/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S28~~1~~ PKD 7/25/96

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238931

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03404

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

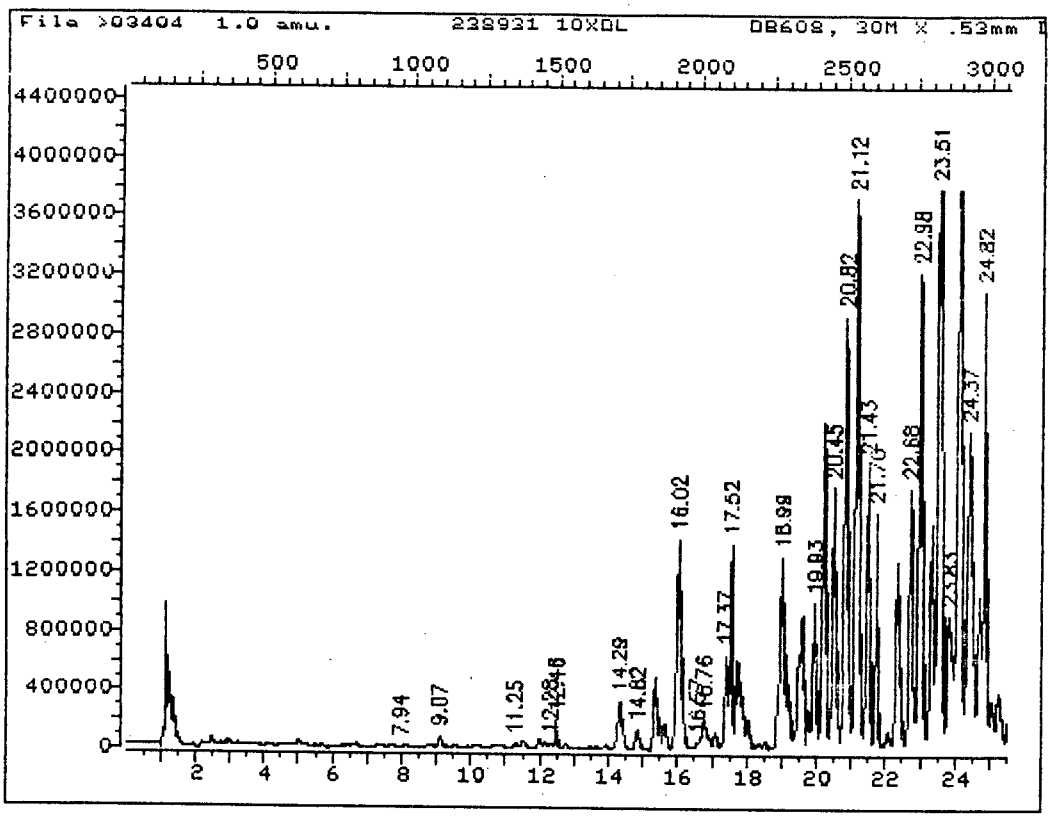
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	17.	U
319-85-7	beta-BHC	17.	U
319-86-8	delta-BHC	17.	U
58-89-9	gamma-BHC (Lindane)	17.	U
76-44-8	Heptachlor	17.	U
309-00-2	Aldrin	17.	U
1024-57-3	Heptachlor epoxide	17.	U
959-98-8	Endosulfan I	17.	U
60-57-1	Dieldrin	34.	U
72-55-9	4,4'-DDE	34.	U
72-20-8	Endrin	34.	U
33213-65-9	Endosulfan II	34.	U
72-54-8	4,4'-DDD	34.	U
1031-07-8	Endosulfan Sulfate	34.	U
50-29-3	4,4'-DDT	34.	U
72-43-5	Methoxychlor	170.	U
53494-70-5	Endrin ketone	34.	U
7421-93-4	Endrin aldehyde	34.	U
5103-71-9	alpha-Chlordane	17.	U
5103-74-2	gamma-Chlordane	17.	U
8001-35-2	Toxaphene	1700.	U
12674-11-2	Aroclor-1016	340.	U
11104-28-2	Aroclor-1221	690.	U
11141-16-5	Aroclor-1232	340.	U
53469-21-9	Aroclor-1242	340.	U
12672-29-6	Aroclor-1248	340.	U
11097-69-1	Aroclor-1254	26000 ~~18000.~~	D*
11096-82-5	Aroclor-1260	340.	U

D*. value transferred from dilution analysis S28DL 100 X D/F.

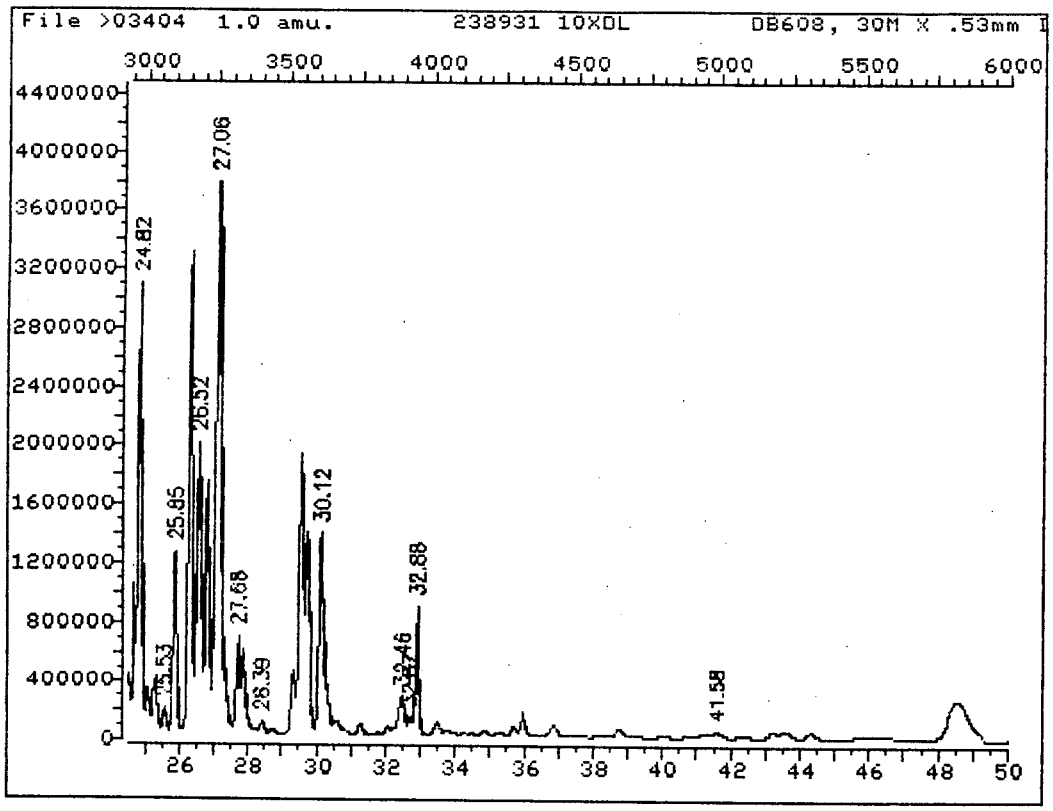


Data File: >03404::G2 Quant Output File: ^03404::GQ
Name: 238931 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 17:51
Injected at: 960717 16:57

Page 1 of 2

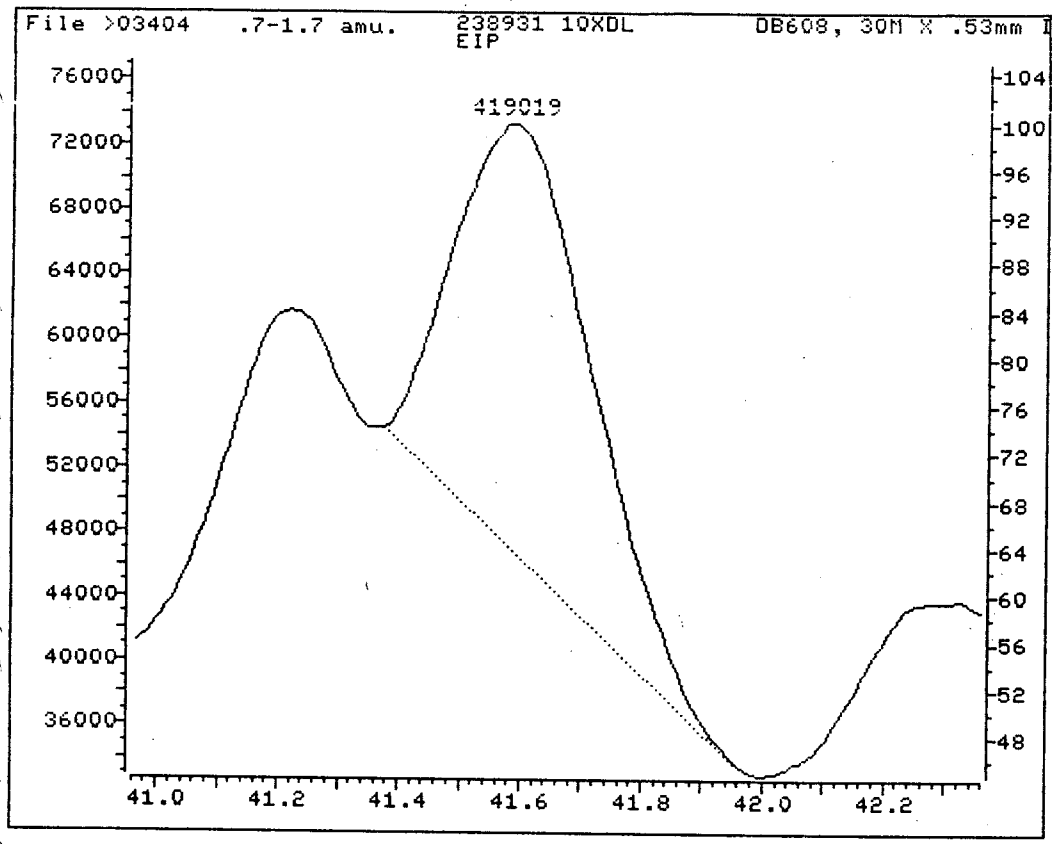


Data File: >03404::G2 Quant Output File: ^03404::GQ
Name: 238931 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 17:51
Injected at: 960717 16:57

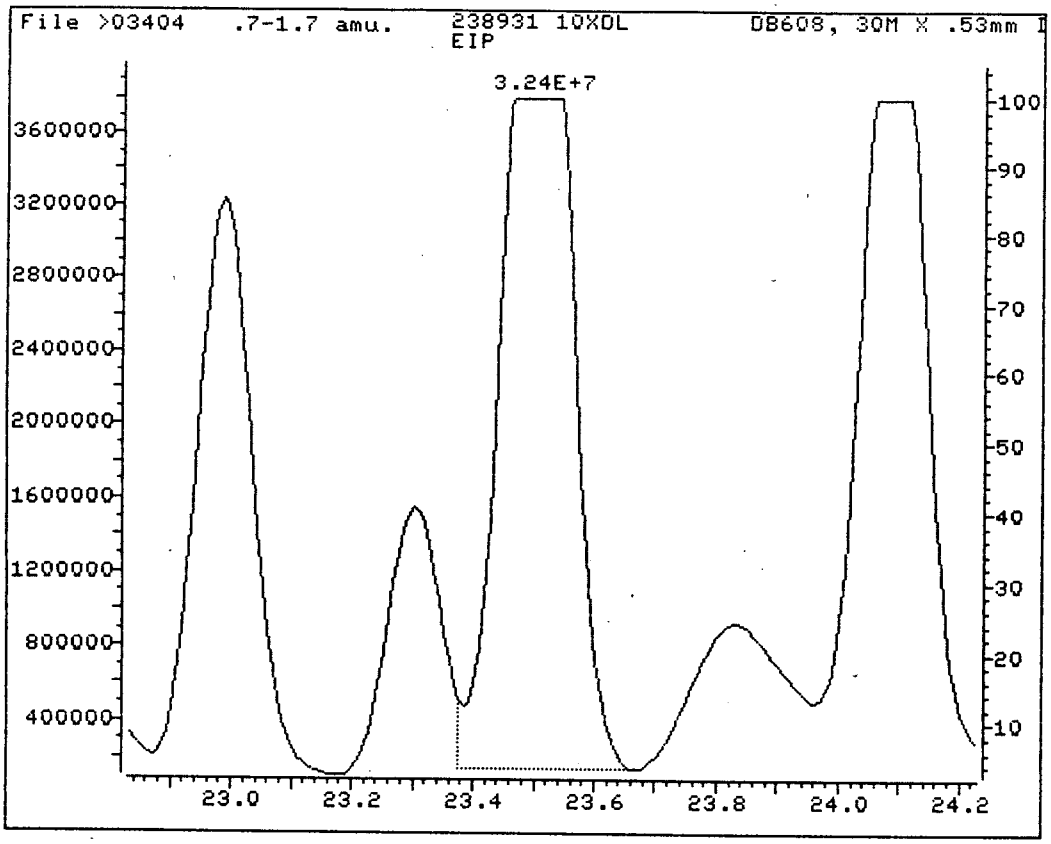
Page 2 of 2



Data File: >03404::G2 Quant Output File: ^03404::GQ
Name: 238931 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960717 17:51 Quant ID File: IDCAP5::SC
Injected at: 960717 16:57 Last Calibration: 941029 10:07

Compound No: 19
Compound Name: Decachlorobiphenyl
Scan Number: 4990
Retention Time: 41.58 min.
Quant Ion: 1.0
Area: 419019M
Concentration: 3.62 ng/ml

This report was produced by QAREA on: 960722 15:08

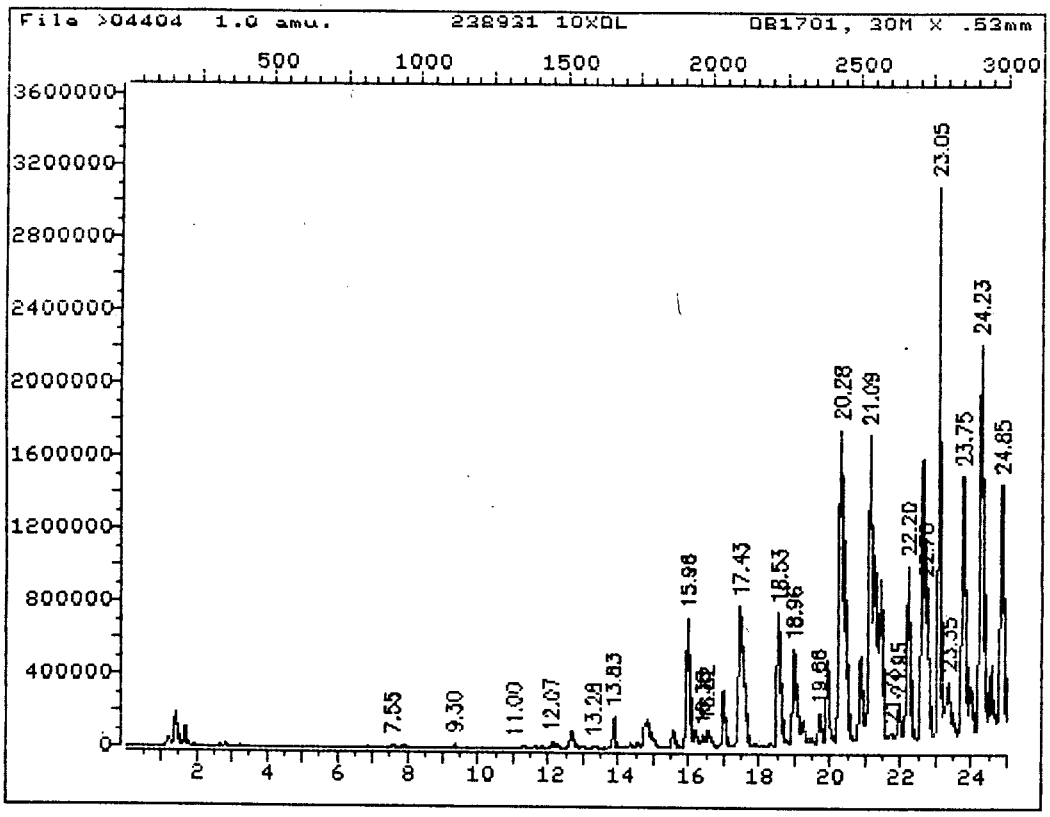


Data File: >03404::G2
Name: 238931 10XDL
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960717 17:51
Injected at: 960717 16:57

Quant Output File: ^03404::GQ
Instrument ID: GC03
Quant ID File: IDCAP5::SC
Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2821
Retention Time: 23.51 min.
Quant Ion: 1.0
Area: 32389808M
Concentration: 5011.65 ng/ml
q-value: 100

This report was produced by QAREA on: 960722 15:10



Data File: >04404::G4 Quant Output File: ^04404::GQ
Name: 238931 10XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 17:48
Injected at: 960717 16:56

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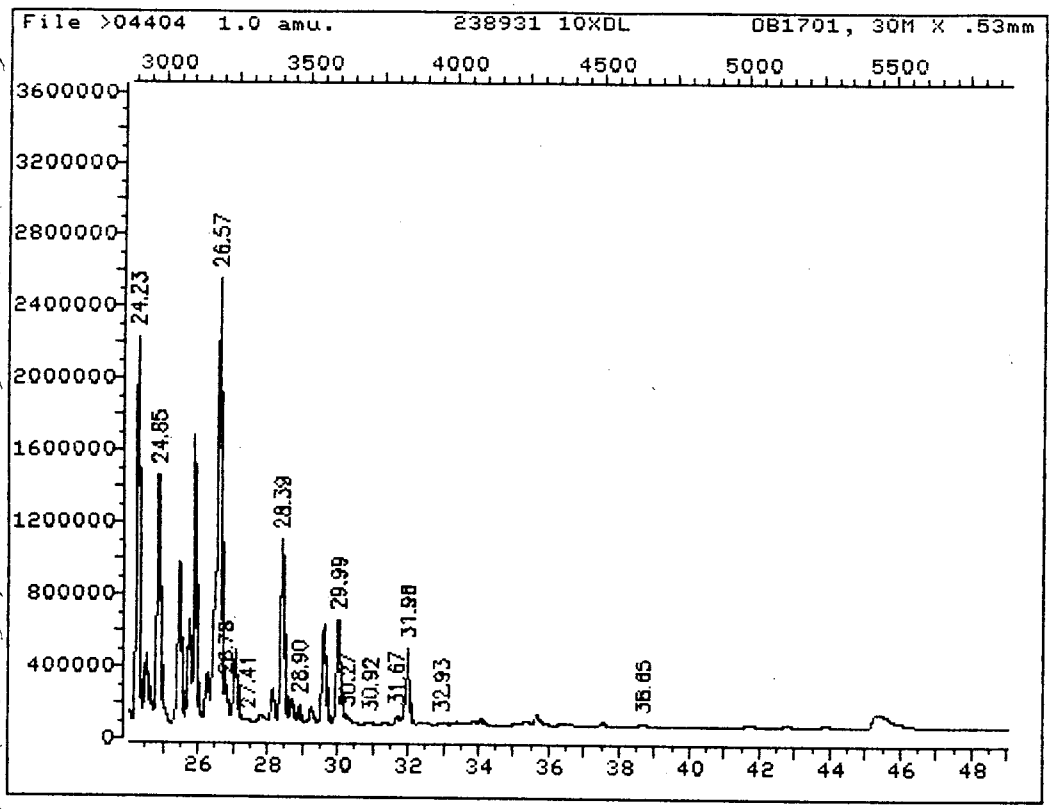

Data File: >04404::G4 Quant Output File: ^04404::GQ
Name: 238931 10XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 17:48
Injected at: 960717 16:56

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 17:51
Output File: ^03404::GQ Injected at: 960717 16:57
Data File: >03404::G2 Dilution Factor: 1.00000
Name: 238931 10XDL Instrument ID: GC03
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1088	396277	3.31	ng/ml	100
2)	~~#alpha-BHC~~	12.46	1495	1110578	7.45	ng/ml	100
3)	~~#beta-BHC~~	14.82	1779	1239560	15.15	ng/ml	100
4)	~~#delta-BHC~~	16.57	1988	165628	1.29	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.29	1715	2872808	20.73	ng/ml	100
6)	~~#Heptachlor~~	16.02	1922	12384408	117.88	ng/ml	100
7)	~~#Aldrin~~	17.37	2084	3713855	27.82	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.93	2391	5225975	41.86	ng/ml	100
9)	~~#Endosulfan I~~	21.70	2604	9431702	88.86	ng/ml	100
10)	~~#Dieldrin~~	22.98	2758	19998288	211.99	ng/ml	100
11)	~~#4,4'-DDE~~	22.68	2722	13595418	147.23	ng/ml	100
12)	~~#Endrin~~	24.82	2978	20045772	229.34	ng/ml	100
13)	~~#Endosulfan II~~	25.85	3102	8582028	86.73	ng/ml	100
14)	~~#4,4'-DDD~~	25.53	3063	1029936	16.68	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.39	3406	545796	6.21	ng/ml	100
16)	~~#4,4'-DDT~~	27.06	3247	2065919	30.41	ng/ml	100
17)	~~#Methoxychlor~~	32.46	3895	3208221	80.64	ng/ml	100
18)	~~#Endrin ketone~~	32.67	3920	693113	7.47	ng/ml	100
19)	#Decachlorobiphenyl	41.58	4990	419019M	3.62	ng/ml	
20)	~~#alpha-Chlordane~~ NT	21.43	2572	11473372	95.21	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.82	2498	18603584	153.86	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.83	2859	8318283	5206.02	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.28	1474	204305	71.51	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.94	953	11009	12.81	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.28	1474	204305	75.91	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.28	1474	204305	84.20	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.02	1922	12365458	1641.39	ng/ml	100
28)	#Aroclor-1254(1)	20.82	2498	18603584	3739.47	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.37	2924	15759066	2461.63	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.68	3321	5208945	64.39	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.68	3321	5208945	3116.27	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.39	3406	545796	257.33	ng/ml	100
34)	~~#Aroclor-1016(2)~~	14.29	1715	2843005	489.63	ng/ml	100
35)	~~#Aroclor-1016(3)~~	16.02	1922	12365458	1106.55	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.76	2011	1079408	280.40	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.99	2279	10963350	3241.36	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.25	1350	207979	127.98	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.28	1474	204305	55.11	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.29	1715	2843005	1012.71	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.02	1922	12365458	2649.47	ng/ml	100

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7/23/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^03404::GQ
Data File: >03404::G2
Name: 238931 10XDL
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960717 17:51
Injected at: 960717 16:57
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07

Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
42)	~~#Aroclor-1232(4)~~ UP	16.76	2011	1079408	617.63	ng/ml	100
43)	~~#Aroclor-1242~~(2)	14.29	1715	2843005	614.16	ng/ml	100
44)	~~#Aroclor-1242~~(3)	16.02	1922	12365458	1394.41	ng/ml	100
45)	~~#Aroclor-1242~~(4) UP	16.76	2011	1079408	326.06	ng/ml	100
46)	~~#Aroclor-1242(5)~~	18.99	2279	10963350	3747.81	ng/ml	100
47)	#~~Aroclor-1248~~(2)	17.52	2102	7449166	2332.99	ng/ml	100
48)	#~~Aroclor-1248(3)~~	18.99	2279	10963350	2663.80	ng/ml	100
49)	~~#Aroclor-1248~~(4) UP	20.45	2454	10970338	2670.56	ng/ml	100
50)	#~~Aroclor-1248(5)~~	21.70	2604	9431702	2153.59	ng/ml	100
51)	#Aroclor-1254(2)	21.12	2534	24988580	4258.80	ng/ml	100
52)	#Aroclor-1254(3)	22.68	2722	13595418	7360.13	ng/ml	100
53)	#Aroclor-1254(4)	23.51	2821	32389808M	5011.65	ng/ml	100
54)	#Aroclor-1254(5)	24.82	2978	20045772	5485.23	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.82	2978	20045772	2813.76	ng/ml	100
56)	~~#Aroclor-1260~~(3)	26.52	3182	11955904	2597.17	ng/ml	100
57)	~~#Aroclor-1260~~(4) UP	30.12	3614	11294634	1031.20	ng/ml	100
58)	#~~Aroclor-1260(5)~~	32.88	3945	7253391	1471.37	ng/ml	100

Compound uses ESTD

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7/23/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^04404::GQ
Data File: >04404::G4
Name: 238931 10XDL
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960717 17:48
Injected at: 960717 16:56
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	169713	4.15	ng/ml	100
2)	~~#alpha-BHC~~	13.28	1594	30648	.942	ng/ml	100
3)	~~#beta-BHC~~	18.53	2224	5179444	206.40	ng/ml	100
4)	~~#delta-BHC~~	19.66	2359	1014693	38.69	ng/ml	100
6)	~~#Heptachlor~~	16.38	1966	356311	7.62	ng/ml	100
7)	~~#Aldrin~~	17.43	2092	7657369	204.50	ng/ml	100
9)	~~#Endosulfan~~ I	21.73	2608	155136	4.45	ng/ml	100
10)	~~#Dieldrin~~	23.35	2802	1975941	61.57	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.70	2724	4375710	154.52	ng/ml	100
12)	~~#Endrin~~	24.23	2908	15145290	521.57	ng/ml	100
13)	~~#Endosulfan II~~	26.78	3213	1178811	34.43	ng/ml	100
14)	~~#4,4'-DDD~~	26.57	3188	21874908	1138.00	ng/ml	100
16)	~~#4,4'-DDT~~	27.41	3289	123735	7.08	ng/ml	100
17)	~~#Methoxychlor~~	30.92	3710	208174	15.55	ng/ml	100
18)	~~#Endrin ketone~~	32.93	3951	141508	4.46	ng/ml	100
19)	#Decachlorobiphenyl	38.65	4638	287624	6.27	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.20	2664	6138790	147.34	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.95	2634	996508	24.87	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.07	1448	176232	145.48	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	83000	108.58	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	83000	75.19	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.07	1448	176232	171.55	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.83	1660	982276	955.58	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2092	7670003	4837.41	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.75	2850	9879058	3981.04	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.90	3468	769419	23.93	ng/ml	100
31)	~~#Toxaphene(2)~~	28.39	3407	7348180	10852.04	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	30.27	3632	230097	426.59	ng/ml	100
33)	~~#Toxaphene(4)~~	31.67	3800	402293	776.19	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.83	1660	982276	397.65	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.96	1915	4380817	1090.15	ng/ml	100
36)	~~#Aroclor-1016(4)~~	16.52	1982	690739	465.04	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.53	2224	5179444	2650.70	ng/ml	100
38)	~~#Aroclor-1221(2)~~	11.00	1320	16424	25.20	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.07	1448	176232	103.93	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.07	1448	176232	155.20	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.83	1660	982276	984.26	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.96	1915	4380817	2690.89	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.83	1660	982276	507.99	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.96	1915	4380817	1389.63	ng/ml	100

EPrui
7/23/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 17:48
Output File: ^04404::GQ Injected at: 960717 16:56
Data File: >04404::G4 Dilution Factor: 1.00000
Name: 238931 10XDL Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	#~~Aroclor-1242~~(4) ND	16.52	1982	690739	603.54	ng/ml	100
46)	#~~Aroclor-1242~~(5) ND	17.43	2092	7669678	8972.17	ng/ml	100
47)	#~~Aroclor-1248~~(2)	15.96	1915	4380817	1621.96	ng/ml	100
48)	#~~Aroclor-1248~~(3)	18.53	2224	5179444	2139.83	ng/ml	100
49)	#~~Aroclor-1248~~(4) ND	18.96	2275	3885816	2126.38	ng/ml	100
50)	#~~Aroclor-1248~~(5)	20.28	2434	11982920	10503.96	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2434	11982920	5576.72	ng/ml	100
52)	#Aroclor-1254(3)	21.09	2531	10184364	5542.18	ng/ml	100
53)	#Aroclor-1254(4)	23.05	2766	18902700	7276.29	ng/ml	100
54)	#Aroclor-1254(5)	23.75	2850	9879058	6945.39	ng/ml	100
55)	#~~Aroclor-1260~~(2) ND	24.85	2982	10010698	3506.84	ng/ml	100
56)	#~~Aroclor-1260~~(3) ND	28.39	3407	7292060	4384.70	ng/ml	100
57)	#~~Aroclor-1260~~(4) ND	29.99	3599	4623211	1080.81	ng/ml	100
58)	#~~Aroclor-1260~~(5) ND	31.98	3837	3894218	1412.81	ng/ml	100

Compound uses ESTD

EPM
7/23/96

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S28 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238931

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03360

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

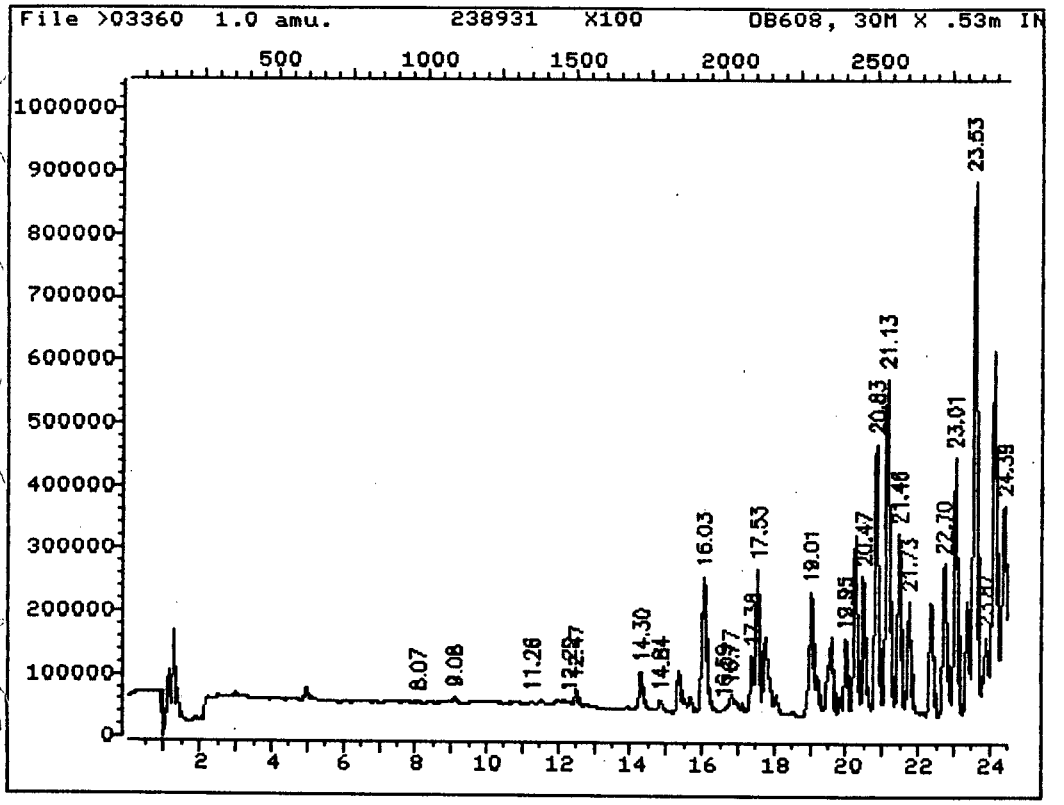
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	170.	U
319-85-7	beta-BHC	170.	U
319-86-8	delta-BHC	170.	U
58-89-9	gamma-BHC (Lindane)	170.	U
76-44-8	Heptachlor	170.	U
309-00-2	Aldrin	170.	U
1024-57-3	Heptachlor epoxide	170.	U
959-98-8	Endosulfan I	170.	U
60-57-1	Dieldrin	340.	U
72-55-9	4,4'-DDE	340.	U
72-20-8	Endrin	340.	U
33213-65-9	Endosulfan II	340.	U
72-54-8	4,4'-DDD	340.	U
1031-07-8	Endosulfan Sulfate	340.	U
50-29-3	4,4'-DDT	340.	U
72-43-5	Methoxychlor	1700.	U
53494-70-5	Endrin ketone	340.	U
7421-93-4	Endrin aldehyde	340.	U
5103-71-9	alpha-Chlordane	170.	U
5103-74-2	gamma-Chlordane	170.	U
8001-35-2	Toxaphene	17000.	U
12674-11-2	Aroclor-1016	3400.	U
11104-28-2	Aroclor-1221	6900.	U
11141-16-5	Aroclor-1232	3400.	U
53469-21-9	Aroclor-1242	3400.	U
12672-29-6	Aroclor-1248	3400.	U
11097-69-1	Aroclor-1254	26000.	
11096-82-5	Aroclor-1260	3400.	U

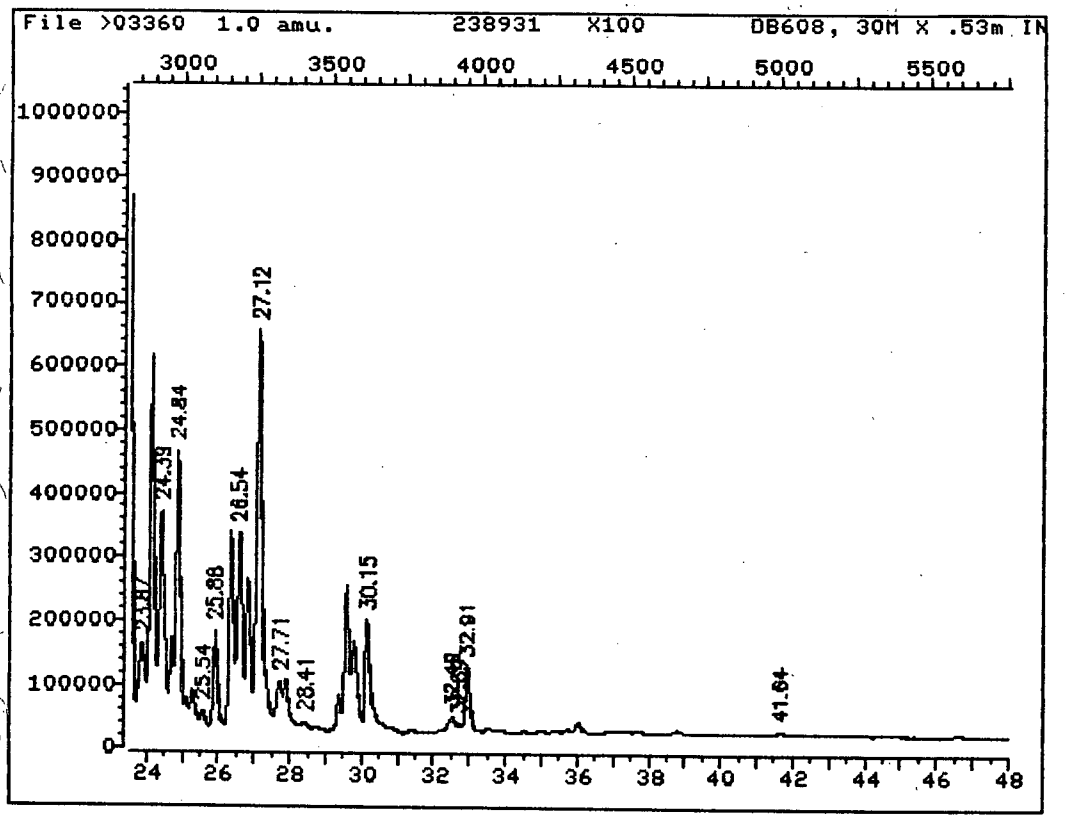


Data File: >03360::F3 Quant Output File: ^03360::GQ
Name: 238931 X100 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 02:16
Injected at: 960716 01:25

Page 1 of 2

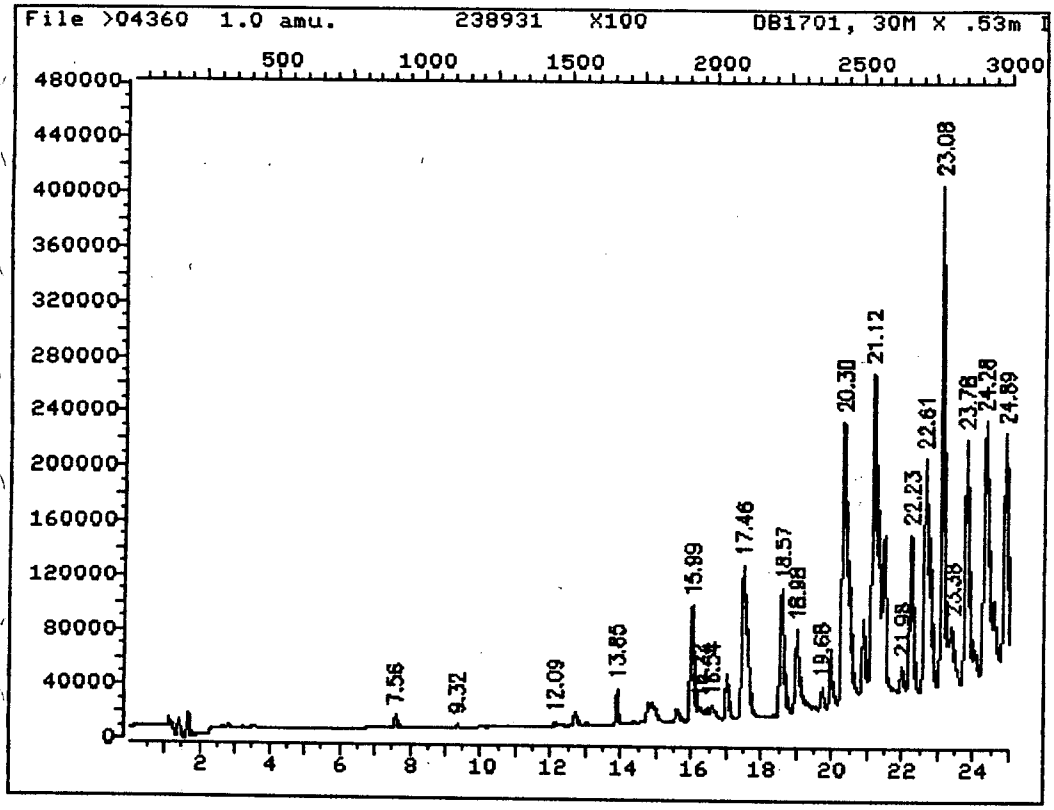


Data File: >03360::F3 Quant Output File: ^03360::GQ
Name: 238931 X100 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 02:16
Injected at: 960716 01:25

Page 2 of 2



Data File: >04360::G1 Quant Output File: ^04360::GQ
Name: 238931 X100 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 02:18
Injected at: 960716 01:26

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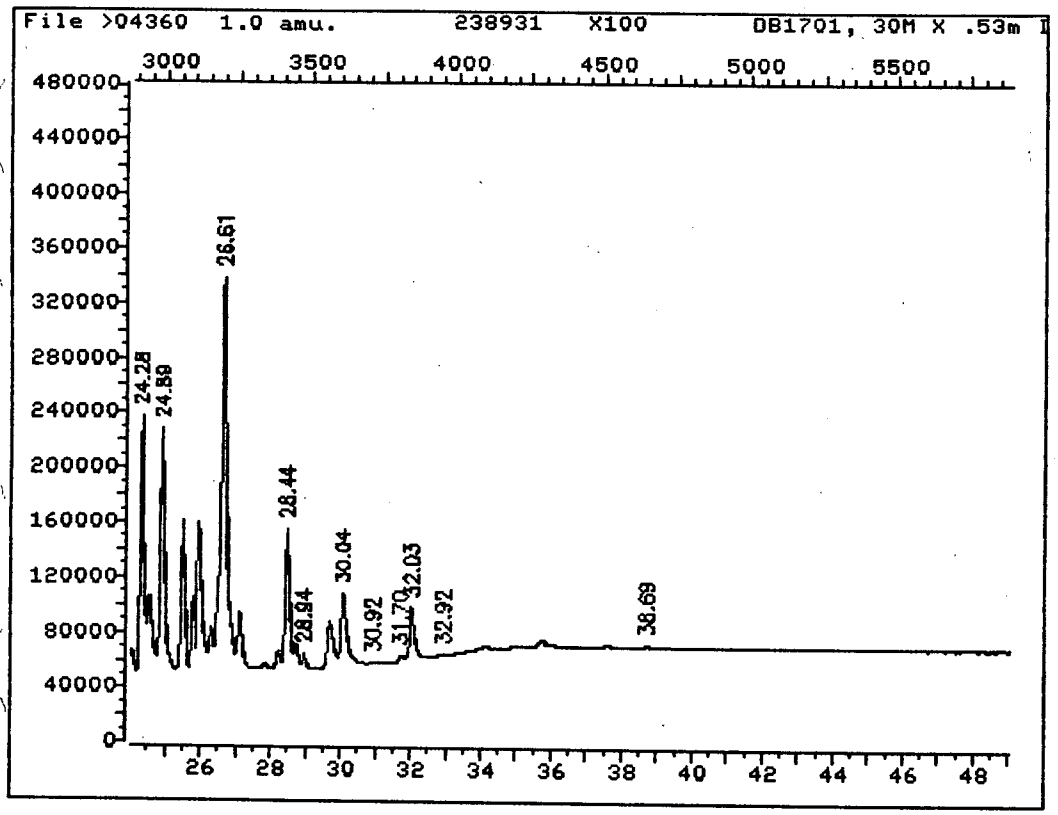

Data File: >04360::G1 Quant Output File: ^04360::GQ
Name: 238931 X100 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 02:18
Injected at: 960716 01:26

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 02:16
Output File: ^03360::GQ Injected at: 960716 01:25
Data File: >03360::F3 Dilution Factor: 1.00000
Name: 238931 X100 Instrument ID: GC03
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.08	1090	46624	.390	ng/ml	100
2)	~~#alpha-BHC~~	12.47	1497	152847	1.03	ng/ml	100
3)	~~#beta-BHC~~	14.84	1781	201280	2.46	ng/ml	100
4)	~~#delta-BHC~~	16.59	1991	20901	.163	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.30	1716	470649	3.40	ng/ml	100
6)	~~#Heptachlor~~	16.03	1924	1900020	18.09	ng/ml	100
7)	~~#Aldrin~~	17.38	2086	493937	3.70	ng/ml	100
8)	~~#Heptachlor epoxide~~	19.95	2394	631403	5.06	ng/ml	100
9)	~~#Endosulfan I~~	21.73	2607	1199675	11.30	ng/ml	100
10)	~~#Dieldrin~~	23.01	2761	2664549	28.25	ng/ml	100
11)	~~#4,4' DDE~~	22.70	2724	1884001	20.40	ng/ml	100
12)	~~#Endrin~~	24.84	2981	2914224	33.34	ng/ml	100
13)	~~#Endosulfan II~~	25.88	3105	1085062	10.97	ng/ml	100
14)	~~#4,4' DDD~~	25.54	3065	168262	2.73	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.41	3409	82409	.937	ng/ml	100
16)	~~#4,4' DDT~~	27.12	3254	4765250	70.15	ng/ml	100
17)	#Methoxychlor	32.49	3898	268307	6.74	ng/ml	100
18)	~~#Endrin ketone~~	32.69	3922	72910	.786	ng/ml	100
19)	#Decachlorobiphenyl	41.64	4997	52795	.457	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.46	2575	1744643	14.48	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.83	2500	2784131	23.03	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.87	2864	925357	579.14	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.29	1475	24834	8.69	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	8.07	969	8895	10.35	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.29	1475	24834	9.23	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.29	1475	24834	10.23	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.03	1924	1901889	252.46	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2500	2784131	559.63	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.39	2927	2681081	418.80	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.71	3325	529891	6.55	ng/ml	100
31)	~~#Toxaphene~~(2) NP	27.71	3325	529891	317.01	ng/ml	100
32)	~~#Toxaphene~~(3) NP	28.41	3409	82409	38.85	ng/ml	100
34)	~~#Aroclor-1016(2)~~	14.30	1716	462541	79.66	ng/ml	100
35)	~~#Aroclor-1016(3)~~	16.03	1924	1901889	170.19	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.77	2013	144670	37.58	ng/ml	100
37)	~~#Aroclor-1016(5)~~	19.01	2281	1538219	454.78	ng/ml	100
38)	~~#Aroclor-1221(2)~~	11.26	1351	11862	7.30	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.29	1475	24834	6.70	ng/ml	100
40)	~~#Aroclor-1232(2)~~	14.30	1716	462541	164.76	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.03	1924	1901889	407.51	ng/ml	100

EPW 7/18/96

QUANT REPORT

perator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 02:16
utput File: ^03360::GQ Injected at: 960716 01:25
Data File: >03360::F3 Dilution Factor: 1.00000
ame: 238931 X100 Instrument ID: GC03
isc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
itle: Capillary Column DB 608
ast Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
42)	~~#Aroclor-1232~~(4) UP	16.77	2013	144670	82.78	ng/ml	100
43)	~~#Aroclor-1242(2)~~	14.30	1716	462541	99.92	ng/ml	100
44)	~~#Aroclor-1242(3)~~	16.03	1924	1901889	214.47	ng/ml	100
45)	~~#Aroclor-1242(4)~~ UP	16.77	2013	144670	43.70	ng/ml	100
46)	~~#Aroclor-1242(5)~~	19.01	2281	1538219	525.84	ng/ml	100
47)	~~#Aroclor-1248(2)~~	17.53	2104	1420494	444.88	ng/ml	100
48)	~~#Aroclor-1248~~(3)	19.01	2281	1538219	373.75	ng/ml	100
49)	~~#Aroclor-1248(4)~~ UP	20.47	2456	1489973	362.71	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.73	2607	1188056	271.27	ng/ml	100
51)	~~#Aroclor-1254(2)~~ yes EP	21.13	2536	3696465	629.99	ng/ml	100
52)	~~#Aroclor-1254(3)~~ yes EP	22.70	2724	1884001	1019.94	ng/ml	100
53)	#Aroclor-1254(4)	23.53	2823	5518382	853.86	ng/ml	100
54)	#Aroclor-1254(5)	24.84	2981	2914224	797.43	ng/ml	100
55)	~~#Aroclor-1260(~~2)	24.84	2981	2914224	409.06	ng/ml	100
56)	~~#Aroclor-1260(3)~~	26.54	3185	2185256	474.70	ng/ml	100
57)	~~#Aroclor-1260(4)~~ UP	30.15	3618	1795018	163.89	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.91	3949	875622	177.62	ng/ml	100

Compound uses ESTD

EPua
7/18/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 02:18
Output File: ^04360::GQ Injected at: 960716 01:26
Data File: >04360::G1 Dilution Factor: 1.00000
Name: 238931 X100 Instrument ID: GC04
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.32	1118	16694	.408	ng/ml	100
3)	#~~beta-BHC~~	18.57	2228	731794	29.16	ng/ml	100
4)	#~~delta-BHC~~	19.68	2362	97091	3.70	ng/ml	100
6)	#~~Heptachlor~~	16.22	1946	72443	1.55	ng/ml	100
7)	#~~Aldrin~~	17.46	2095	1194435	31.90	ng/ml	100
10)	#~~Dieldrin~~	23.38	2806	326161	10.16	ng/ml	100
11)	#~~4,4'-DDE~~	22.61	2713	1070789	37.81	ng/ml	100
12)	#~~Endrin~~	24.28	2914	1734355	59.73	ng/ml	100
13)	#~~Endosulfan II~~	26.61	3193	2840447	82.97	ng/ml	100
14)	#~~4,4'-DDD~~	26.61	3193	2811374	146.26	ng/ml	100
17)	#~~Methoxychlor~~	30.92	3710	9925	.741	ng/ml	100
18)	#~~Endrin ketone~~	32.92	3950	5286	.167	ng/ml	100
19)	#Decachlorobiphenyl	38.69	4643	13564	.296	ng/ml	100
20)	#~~alpha-Chlordane~~ NT	22.23	2667	768263	18.44	ng/ml	100
21)	#~~gamma-Chlordane~~ NT	21.98	2637	105018	2.62	ng/ml	100
23)	#~~Aroclor-1016(1)~~ NP	12.09	1451	17058	14.08	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	7.56	907	52649	68.88	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	7.56	907	52649	47.70	ng/ml	100
26)	#~~Aroclor-1242(1)~~ NP	12.09	1451	17058	16.60	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	13.85	1662	161022	156.65	ng/ml	100
28)	#Aroclor-1254(1)	17.46	2095	1194435	753.32	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	23.78	2853	1322048	532.76	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	28.94	3472	87776	2.73	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	28.44	3413	833419	1230.82	ng/ml	100
33)	#~~Toxaphene(4)~~ NP	31.70	3804	42009	81.05	ng/ml	100
34)	#~~Aroclor-1016(2)~~ NP	13.85	1662	161022	65.19	ng/ml	100
35)	#~~Aroclor-1016(3)~~ NP	15.99	1919	588925	146.55	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.54	1985	81628	54.96	ng/ml	100
37)	#~~Aroclor-1016(5)~~ NP	18.57	2228	731794	374.51	ng/ml	100
39)	#~~Aroclor-1221(3)~~ NP	12.09	1451	17058	10.06	ng/ml	100
40)	#~~Aroclor-1232(2)~~ NP	12.09	1451	17058	15.02	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	13.85	1662	161022	161.35	ng/ml	100
42)	#~~Aroclor-1232(4)~~ NP	15.99	1919	588925	361.74	ng/ml	100
43)	#~~Aroclor-1242(2)~~ NP	13.85	1662	161022	83.27	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	15.99	1919	588925	186.81	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.54	1985	81268	71.01	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	17.46	2095	1194435	1397.28	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	15.99	1919	588925	218.04	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	18.57	2228	731794	302.33	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	18.98	2278	472264	258.43	ng/ml	100

EPrel
7/18/96

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 02:18
Output File: ^04360::GQ Injected at: 960716 01:26
Data File: >04360::G1 Dilution Factor: 1.00000
Name: 238931 X100 Instrument ID: GC04
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
50)	#~~Aroclor-1248(5)~~ NP	20.30	2436	1551927	1360.38	ng/ml	100
51)	#Aroclor-1254(2)	20.30	2436	1551927	722.25	ng/ml	100
52)	#Aroclor-1254(3)	21.12	2534	1481039	805.96	ng/ml	100
53)	#Aroclor-1254(4)	23.08	2770	2541452	978.29	ng/ml	100
54)	#Aroclor-1254(5)	23.78	2853	1322048	929.46	ng/ml	100
55)	#~~Aroclor-1260(2)~~	24.89	2987	1417148	496.44	ng/ml	100
56)	#~~Aroclor-1260~~(3)	28.44	3413	843491	507.19	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.04	3605	618209	144.52	ng/ml	100
58)	#~~Aroclor-1260(5)~~	32.03	3843	447443	162.33	ng/ml	100

Compound uses ESTD

EPuci
7/18/96

QUANT REPORT

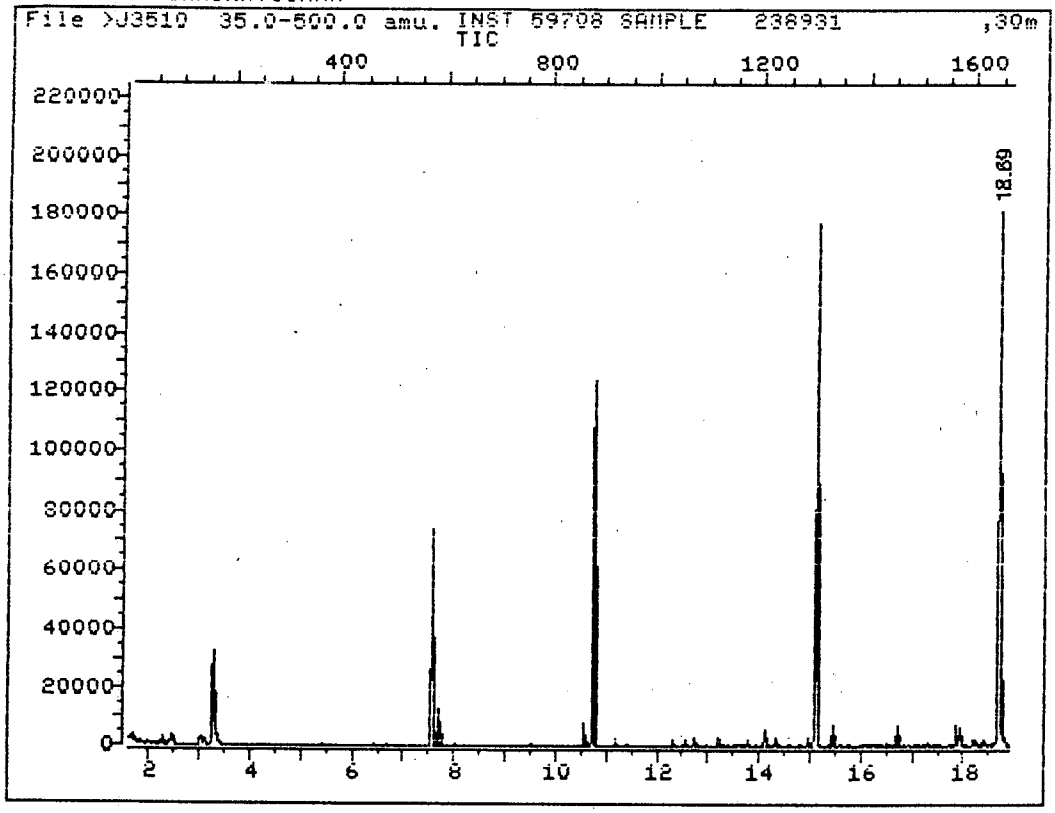
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960718 15:04
Output File: ^J3510::QT Injected at: 960718 14:27
Data File: >J3510::D4 Dilution Factor: 1.00000
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238931 ,30m SPB-5 CAP COLUMN BTL# 7

ID File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Phenanthrene-d10	18.69	188.0	138665	40.00	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >J3510::D4 Quant Output File: ^J3510::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238931 ,30m SPB-5 CAP COLUMN BTL# 7

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960718 15:04
Injected at: 960718 14:27

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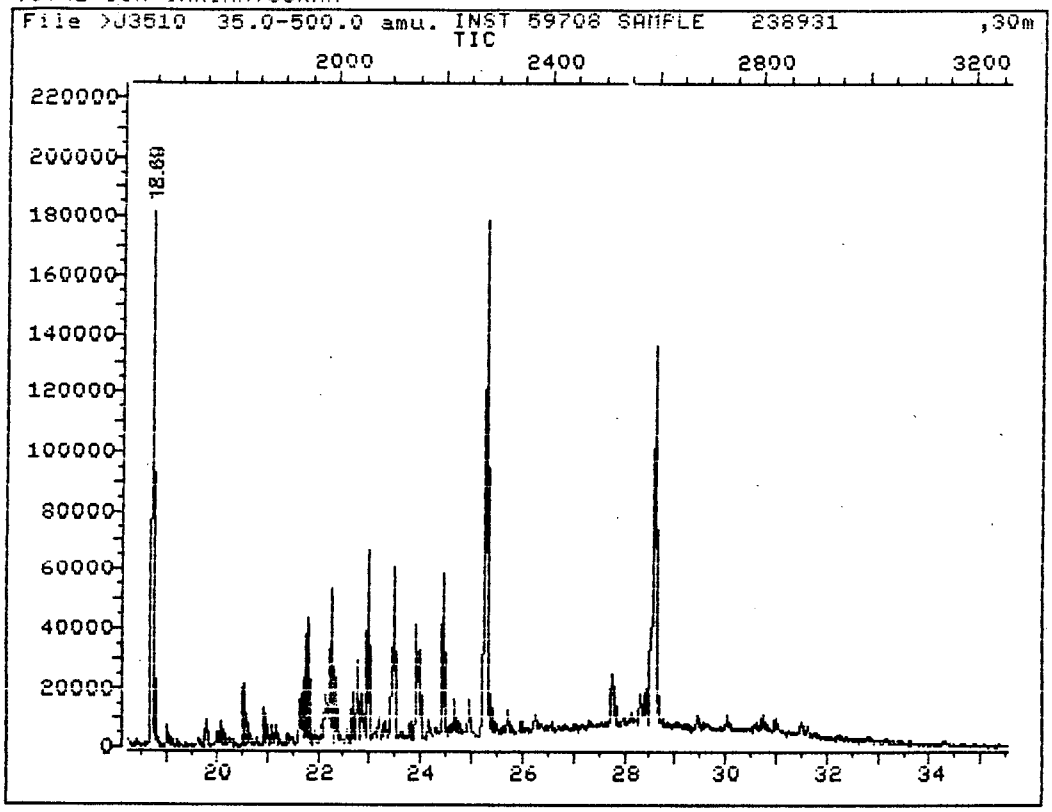
TOTAL ION CHROMATOGRAM

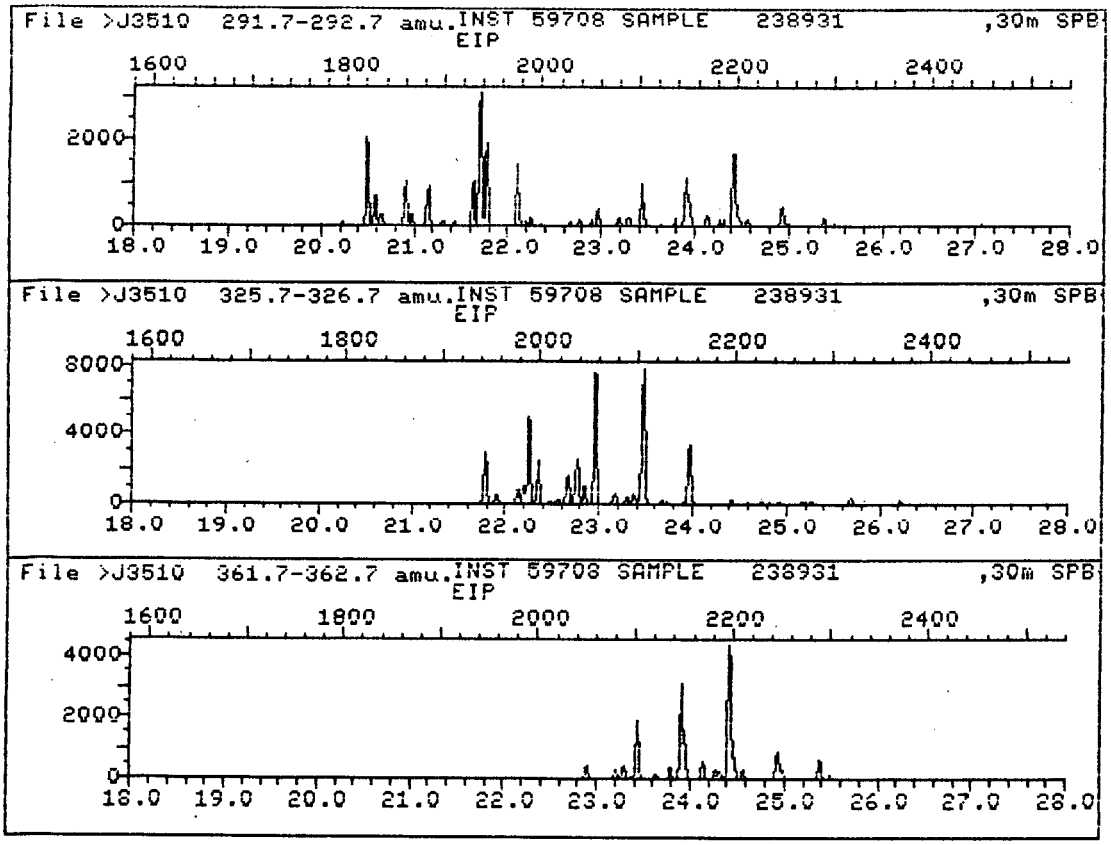


Data File: >J3510::D4 Quant Output File: ^J3510::QT
Name: INST 59708 SAMPLE Instrument ID: 5970 "J"
Misc: 238931 ,30m SPB-5 CAP COLUMN BTL# 7

Id File: IDPEST::D1
Title: CLP PESTICIDE CONFIRMATION FILE
Last Calibration: : Last Qcal Time: 960531 11:41

Operator ID: GT0101
Quant Time : 960718 15:04
Injected at: 960718 14:27

Page 2 of 2



MS data file header from : >J3510::D4

Sample: INST 59708 SAMPLE Operator: GT0101 SUPER GRP. 7/18/96 14:27
Misc : 238931 ,30m SPB-5 CAP COLUMN BTL# 7
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 7 Equip ID: 5970 "J"
Method file: BNPJ Tuning file: MTA008 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

Chromatographic temperatures :	40.	280.	300.	0.	0.
Chromatographic times, min. :	4.0	1.0	20.0	0.0	0.0
Chromatographic rate, deg/min:	10.0	10.0	0.0	0.0	0.0

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: DB608 ID: .53 (mm) Date(s) Analyzed: 07/01/96 07/02/96

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	12.47	12.47	12.48	12.48	12.43	12.53
beta-BHC	14.79	14.80	14.80	14.80	14.75	14.85
delta-BHC	16.49	16.50	16.50	16.50	16.45	16.55
gamma-BHC (Lindane)	14.36	14.37	14.37	14.36	14.31	14.41
Heptachlor	15.86	15.86	15.86	15.86	15.81	15.91
Aldrin	17.36	17.37	17.37	17.36	17.31	17.41
Heptachlor epoxide	20.03	20.03	20.03	20.03	19.96	20.10
Endosulfan I	21.60	21.60	21.61	21.60	21.53	21.67
Dieldrin	23.03	23.04	23.04	23.04	22.97	23.11
4,4'-DDE	22.83	22.83	22.83	22.83	22.76	22.90
Endrin	24.83	24.83	24.83	24.83	24.76	24.90
Endosulfan II	25.81	25.81	25.81	25.81	25.74	25.88
4,4'-DDD	25.64	25.63	25.63	25.63	25.56	25.70
Endosulfan Sulfate	28.32	28.33	28.33	28.32	28.25	28.39
4,4'-DDT	27.21	27.21	27.21	27.21	27.14	27.28
Methoxychlor	32.46	32.46	32.45	32.46	32.39	32.53
Endrin ketone	32.77	32.78	32.78	32.78	32.71	32.85
Endrin aldehyde	27.62	27.62	27.62	27.62	27.55	27.69
alpha-Chlordane	21.52	21.53	21.53	21.52	21.45	21.59
gamma-Chlordane	20.78	20.78	20.78	20.78	20.71	20.85
Tetrachloro-m-xylene	9.07	9.08	9.08	9.08	9.03	9.13
Decachlorobiphenyl	41.68	41.68	41.68	41.68	41.58	41.78

* 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

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: DB608 ID: .53 (mm) Date(s) Analyzed: 07/01/96 07/02/96

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	136502192	148032592	145773344	143436048	4.3
beta-BHC	91029992	82081448	70496520	81202656	12.7
delta-BHC	104319792	120882992	128089912	117764232	10.3
gamma-BHC (Lindane)	131553392	136655136	133532640	133913720	1.9
Heptachlor	90169992	78024992	71574136	79923040	11.8
Aldrin	143903392	134751392	124230368	134295056	7.3
Heptachlor epoxide	110945192	109843296	101528920	107439136	4.8
Endosulfan I	101810592	121846744	97827272	107161536	12.0
Dieldrin	95646992	94551096	89027496	93075192	3.8
4,4'-DDE	79006296	91479120	89154184	86546536	7.7
Endrin	84632992	85592368	81347232	83857528	2.7
Endosulfan II	92690296	96311920	85648728	91550312	5.9
4,4'-DDD	52893296	57598972	60343032	56945100	6.6
Endosulfan Sulfate	107714792	88634096	75405304	90584728	17.9
4,4'-DDT	60903396	64817220	65291944	63670852	3.8
Methoxychlor	44814576	38824308	31784528	38474472	17.0
Endrin ketone	80744992	90034616	82806304	84528640	5.8
Endrin aldehyde	83787792	78878168	68371448	77012472	10.2
alpha-Chlordane	110738392	137323936	109927616	119329984	13.1
gamma-Chlordane	115568992	117840792	105391968	112933920	5.9
Tetrachloro-m-xylene	132819792	125141088	105068168	121009680	11.8
Decachlorobiphenyl	134693088	119294064	91286856	115091336	19.1

Surrogate calibration factors are measured from Standard Mix A analyses.

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: DB608 ID: .53 (mm) Date(s) Analyzed: 07/13/96 07/14/96

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	12.47	12.47	12.47	12.47	12.42	12.52
beta-BHC	14.79	14.79	14.79	14.79	14.74	14.84
delta-BHC	16.49	16.49	16.49	16.49	16.44	16.54
gamma-BHC (Lindane)	14.36	14.36	14.36	14.36	14.31	14.41
Heptachlor	15.86	15.85	15.86	15.86	15.81	15.91
Aldrin	17.36	17.36	17.36	17.36	17.31	17.41
Heptachlor epoxide	20.03	20.03	20.03	20.03	19.96	20.10
Endosulfan I	21.60	21.60	21.59	21.60	21.53	21.67
Dieldrin	23.03	23.03	23.03	23.03	22.96	23.10
4,4'-DDE	22.82	22.82	22.82	22.82	22.75	22.89
Endrin	24.82	24.83	24.82	24.82	24.75	24.89
Endosulfan II	25.80	25.80	25.80	25.80	25.73	25.87
4,4'-DDD	25.62	25.62	25.61	25.62	25.55	25.69
Endosulfan Sulfate	28.31	28.31	28.30	28.31	28.24	28.38
4,4'-DDT	27.20	27.20	27.19	27.20	27.13	27.27
Methoxychlor	32.45	32.44	32.44	32.44	32.37	32.51
Endrin ketone	32.76	32.76	32.76	32.76	32.69	32.83
Endrin aldehyde	27.61	27.61	27.60	27.61	27.54	27.68
alpha-Chlordane	21.52	21.52	21.52	21.52	21.45	21.59
gamma-Chlordane	20.78	20.78	20.77	20.77	20.70	20.84
Tetrachloro-m-xylene	9.07	9.08	9.07	9.08	9.03	9.13
Decachlorobiphenyl	41.66	41.66	41.65	41.66	41.56	41.76

* 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.

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: DB608 ID: .53 (mm) Date(s) Analyzed: 07/13/96 07/14/96

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	139166784	149030096	150224432	146140432	4.2
beta-BHC	87432792	81796048	74115216	81114688	8.2
delta-BHC	107453192	128611992	140246192	125437128	13.3
gamma-BHC (Lindane)	132915592	138559648	138687760	136720992	2.4
Heptachlor	113586792	105056240	97047456	105230160	7.9
Aldrin	127433392	133515640	130916064	130621696	2.3
Heptachlor epoxide	120872592	124844592	116590416	120769200	3.4
Endosulfan I	107652192	106137896	99250768	104346952	4.3
Dieldrin	93089592	94336016	91583768	93003128	1.5
4,4'-DDE	89120592	92339168	94888144	92115968	3.1
Endrin	87520296	87405344	83656544	86194064	2.6
Endosulfan II	94486592	98955864	91086040	94842832	4.2
4,4'-DDD	55869296	61292544	64706956	60622932	7.4
Endosulfan Sulfate	90223992	87938792	80547968	86236920	5.9
4,4'-DDT	62348596	67930696	69172896	66484064	5.5
Methoxychlor	44638256	39765376	32273032	38892220	16.0
Endrin ketone	85922392	92735368	88770584	89142784	3.8
Endrin aldehyde	83449696	80894848	72533904	78959480	7.2
alpha-Chlordane	117256992	120503992	112715264	116825416	3.3
gamma-Chlordane	119727792	120915488	113449064	118030784	3.4
Tetrachloro-m-xylene	124269992	119626592	104993768	115930968	9.2
Decachlorobiphenyl	124524288	115518288	93759304	110645632	15.2

* Surrogate calibration factors are measured from Standard Mix A analyses.

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: DB1701 ID: .53 (mm) Date(s) Analyzed: 07/01/96 07/02/96

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	13.42	13.43	13.43	13.43	13.38	13.48
beta-BHC	18.63	18.63	18.63	18.63	18.58	18.68
delta-BHC	19.70	19.71	19.71	19.71	19.66	19.76
gamma-BHC (Lindane)	15.27	15.27	15.27	15.27	15.22	15.32
Heptachlor	16.31	16.31	16.31	16.31	16.26	16.36
Aldrin	17.57	17.58	17.58	17.57	17.52	17.62
Heptachlor epoxide	20.54	20.55	20.55	20.55	20.48	20.62
Endosulfan I	21.76	21.76	21.77	21.76	21.69	21.83
Dieldrin	23.40	23.41	23.41	23.41	23.34	23.48
4,4'-DDE	22.77	22.77	22.76	22.77	22.70	22.84
Endrin	24.37	24.37	24.38	24.37	24.30	24.44
Endosulfan II	26.75	26.75	26.74	26.75	26.68	26.82
4,4'-DDD	26.55	26.54	26.53	26.54	26.47	26.61
Endosulfan Sulfate	30.61	30.61	30.60	30.61	30.54	30.68
4,4'-DDT	27.44	27.44	27.43	27.44	27.37	27.51
Methoxychlor	30.87	30.85	30.84	30.86	30.79	30.93
Endrin ketone	32.94	32.94	32.94	32.94	32.87	33.01
Endrin aldehyde	28.86	28.87	28.87	28.87	28.80	28.94
alpha-Chlordane	22.24	22.24	22.24	22.24	22.17	22.31
gamma-Chlordane	21.98	21.99	21.99	21.99	21.92	22.06
Tetrachloro-m-xylene	9.31	9.31	9.32	9.31	9.26	9.36
Decachlorobiphenyl	38.71	38.71	38.71	38.71	38.61	38.81

* 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

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: DB1701 ID: .53 (mm) Date(s) Analyzed: 07/01/96 07/02/96

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	29559198	32765098	41817424	34713908	18.3
beta-BHC	31999198	26275548	24588486	27621078	14.1
delta-BHC	18829998	24371998	32896236	25366078	27.9
gamma-BHC (Lindane)	29479198	34004196	41127684	34870360	16.8
Heptachlor	50449196	47429396	43918608	47265732	6.9
Aldrin	35125996	37660596	39797496	37528028	6.2
Heptachlor epoxide	43408396	43669448	41093508	42723784	3.3
Endosulfan I	33817596	35705448	33736684	34419908	3.2
Dieldrin	31026198	32474672	33003178	32168016	3.2
4,4'-DDE	26388098	27759724	30402492	28183438	7.2
Endrin	28097698	28988348	29600722	28895590	2.6
Endosulfan II	38164296	35790224	33039686	35664736	7.2
4,4'-DDD	13454400	21130898	21156042	18580446	23.9
Endosulfan Sulfate	23535398	26456774	26803230	25598468	7.0
4,4'-DDT	12496000	16479400	18786930	15920776	20.0
Methoxychlor	14498120	13459824	12058924	13338956	9.2
Endrin ketone	24910998	28157848	30167942	27745596	9.6
Endrin aldehyde	25937898	30385522	28530248	28284556	7.9
alpha-Chlordane	38301796	41704248	39382024	39796024	4.4
gamma-Chlordane	38188996	39962948	38054536	38735492	2.7
Tetrachloro-m-xylene	41859196	41414596	38832772	40702188	4.0
Decachlorobiphenyl	50078096	46698220	37818972	44865096	14.1

* Surrogate calibration factors are measured from Standard Mix A analyses.

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: DB1701 ID: .53 (mm) Date(s) Analyzed: 07/13/96 07/14/96

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	13.42	13.42	13.42	13.42	13.37	13.47
beta-BHC	18.63	18.63	18.63	18.63	18.58	18.68
delta-BHC	19.70	19.70	19.70	19.70	19.65	19.75
gamma-BHC (Lindane)	15.27	15.27	15.27	15.27	15.22	15.32
Heptachlor	16.31	16.31	16.31	16.31	16.26	16.36
Aldrin	17.57	17.58	17.57	17.57	17.52	17.62
Heptachlor epoxide	20.54	20.54	20.54	20.54	20.47	20.61
Endosulfan I	21.76	21.76	21.76	21.76	21.69	21.83
Dieldrin	23.40	23.40	23.41	23.40	23.33	23.47
4,4'-DDE	22.76	22.76	22.75	22.76	22.69	22.83
Endrin	24.37	24.37	24.36	24.37	24.30	24.44
Endosulfan II	26.74	26.74	26.74	26.74	26.67	26.81
4,4'-DDD	26.54	26.53	26.51	26.52	26.45	26.59
Endosulfan Sulfate	30.59	30.59	30.59	30.59	30.52	30.66
4,4'-DDT	27.44	27.43	27.42	27.43	27.36	27.50
Methoxychlor	30.86	30.84	30.83	30.84	30.77	30.91
Endrin ketone	32.94	32.93	32.92	32.93	32.86	33.00
Endrin aldehyde	28.86	28.85	28.85	28.86	28.79	28.93
alpha-Chlordane	22.23	22.24	22.23	22.24	22.17	22.31
gamma-Chlordane	21.98	21.98	21.98	21.98	21.91	22.05
Tetrachloro-m-xylene	9.31	9.31	9.31	9.31	9.26	9.36
Decachlorobiphenyl	38.71	38.71	38.69	38.71	38.61	38.81

* 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

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: DB1701 ID: .53 (mm) Date(s) Analyzed: 07/13/96 07/14/96

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	29519998	32544248	42589708	34884652	19.6
beta-BHC	26702398	25094198	26164560	25987052	3.2
delta-BHC	21662198	26227198	36349908	28079768	26.8
gamma-BHC (Lindane)	30737598	34010948	42258784	35669112	16.6
Heptachlor	49559196	46779448	44680884	47006508	5.2
Aldrin	34708596	37445196	40739848	37631212	8.0
Heptachlor epoxide	45320596	43188248	42264196	43591012	3.6
Endosulfan I	33540198	34893348	34730924	34388156	2.1
Dieldrin	30552998	32086448	33880440	32173296	5.2
4,4'-DDE	27366698	28281322	31574016	29074012	7.6
Endrin	30546498	29038122	30444736	30009786	2.8
Endosulfan II	29930498	34235172	35105212	33090294	8.4
4,4'-DDD	16056700	19222174	21146042	18808304	13.7
Endosulfan Sulfate	24076898	27437674	28344030	26619534	8.4
4,4'-DDT	14671600	17477148	20078568	17409104	15.5
Methoxychlor	13084860	13385650	12513252	12994586	3.4
Endrin ketone	37138896	31719848	32209878	33689540	8.9
Endrin aldehyde	32996498	31991872	29920254	31636208	5.0
alpha-Chlordane	39076796	41663096	40761272	40500388	3.2
gamma-Chlordane	38661796	40069148	39468460	39399800	1.8
Tetrachloro-m-xylene	42469996	40913796	39499384	40805360	4.2
Decachlorobiphenyl	47494896	45860448	39589652	44031948	10.6

* Surrogate calibration factors are measured from Standard Mix A analyses.

6F

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Date(s) Analyzed: 07/01/96 07/01/96

GC Column: DB608 ID: .53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	.50	*1	23.72	23.65	23.79	1603725
		*2	27.58	27.51	27.65	1840147
		*3	28.32	28.25	28.39	2499481
		*4	30.47	30.40	30.54	1927823
		5				
Aroclor-1016	.10	*1	12.30	12.23	12.37	2939749
		*2	14.31	14.24	14.38	6536979
		*3	16.03	15.96	16.10	11045729
		*4	16.78	16.71	16.85	3734549
		5	19.02	18.95	19.09	3397659
Aroclor-1221	.20	*1	7.91	7.84	7.98	835399
		*2	11.27	11.20	11.34	1680299
		*3	12.30	12.23	12.37	3816139
		4				
		5				
Aroclor-1232	.10	*1	12.30	12.23	12.37	2864819
		*2	14.31	14.24	14.38	2822039
		*3	16.02	15.95	16.09	4704629
		*4	16.77	16.70	16.84	1721739
		5				
Aroclor-1242	.10	*1	12.29	12.22	12.36	2608309
		*2	14.30	14.23	14.37	5382379
		*3	16.02	15.95	16.09	8913329
		*4	16.77	16.70	16.84	3162919
		5	19.02	18.95	19.09	2988959
Aroclor-1248	.10	*1	16.02	15.95	16.09	7567179
		*2	17.53	17.46	17.60	2608339
		*3	19.02	18.95	19.09	4152639
		*4	20.48	20.41	20.55	4845039
		5	21.74	21.67	21.81	5513279
Aroclor-1254	.10	*1	20.84	20.77	20.91	4741449
		*2	21.14	21.07	21.21	5541869
		*3	22.71	22.64	22.78	1612399
		*4	23.54	23.47	23.61	6071089
		5	24.86	24.79	24.93	3585619
Aroclor-1260	.10	*1	24.41	24.34	24.48	7752049
		*2	24.87	24.80	24.94	7004379
		*3	26.59	26.52	26.66	5220249
		*4	30.18	30.11	30.25	10804659
		5	32.94	32.87	33.01	5520999

* Denotes required peaks

6F

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Date(s) Analyzed: 07/13/96 07/13/96

GC Column: DB608 ID: .53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	.50	*1	23.71	23.64	23.78	1597819
		*2	27.57	27.50	27.64	1671529
		*3	28.31	28.24	28.38	2121001
		*4	30.46	30.39	30.53	1953381
		5				
Aroclor-1016	.10	*1	12.29	12.22	12.36	2856829
		*2	14.30	14.23	14.37	5806449
		*3	16.02	15.95	16.09	11174819
		*4	16.77	16.70	16.84	3849539
		5	19.01	18.94	19.08	3382329
Aroclor-1221	.20	*1	7.90	7.83	7.97	859734
		*2	11.26	11.19	11.33	1625099
		*3	12.29	12.22	12.36	3707089
		4				
		5				
Aroclor-1232	.10	*1	12.29	12.22	12.36	2691479
		*2	14.30	14.23	14.37	2804609
		*3	16.02	15.95	16.09	4667139
		*4	16.77	16.70	16.84	1747649
		5				
Aroclor-1242	.10	*1	12.29	12.22	12.36	2426509
		*2	14.30	14.23	14.37	4629069
		*3	16.02	15.95	16.09	8867859
		*4	16.77	16.70	16.84	3310499
		5	19.01	18.94	19.08	2925269
Aroclor-1248	.10	*1	16.02	15.95	16.09	7533509
		*2	17.53	17.46	17.60	3192969
		*3	19.01	18.94	19.08	4112259
		*4	20.47	20.40	20.54	4355619
		5	21.73	21.66	21.80	4379529
Aroclor-1254	.10	*1	20.83	20.76	20.90	4974929
		*2	21.13	21.06	21.20	5848129
		*3	22.71	22.64	22.78	1847169
		*4	23.53	23.46	23.60	6462899
		5	24.85	24.78	24.92	3654499
Aroclor-1260	.10	*1	24.39	24.32	24.46	6401869
		*2	24.85	24.78	24.92	7124199
		*3	26.57	26.50	26.64	4603429
		*4	30.16	30.09	30.23	10952859
		5	32.92	32.85	32.99	4973399

* Denotes required peaks

6F

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Date(s) Analyzed: 07/01/96 07/01/96

GC Column: DB1701 ID: .53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	.50	*1	25.17	25.10	25.24	538177
		*2	28.39	28.32	28.46	720739
		*3	30.37	30.30	30.44	492869
		*4	31.80	31.73	31.87	501793
		5				
Aroclor-1016	.10	*1	12.08	12.01	12.15	1235009
		*2	13.85	13.78	13.92	2444729
		*3	15.98	15.91	16.05	3879129
		*4	16.55	16.48	16.62	1456319
		5	18.57	18.50	18.64	2060679
Aroclor-1221	.20	*1	7.58	7.51	7.65	790829
		*2	11.07	11.00	11.14	655909
		*3	12.08	12.01	12.15	1715234
		4				
		5				
Aroclor-1232	.10	*1	7.57	7.50	7.64	1190789
		*2	12.08	12.01	12.15	1171499
		*3	13.85	13.78	13.92	1029699
		*4	15.98	15.91	16.05	1562149
		5				
Aroclor-1242	.10	*1	12.08	12.01	12.15	1057989
		*2	13.85	13.78	13.92	1986309
		*3	15.98	15.91	16.05	3083169
		*4	16.55	16.48	16.62	1142979
		5	17.47	17.40	17.54	791239
Aroclor-1248	.10	*1	13.85	13.78	13.92	1064499
		*2	15.98	15.91	16.05	2612279
		*3	18.57	18.50	18.64	2463679
		*4	18.99	18.92	19.06	1765359
		5	20.36	20.29	20.43	959799
Aroclor-1254	.10	*1	17.46	17.39	17.53	1588639
		*2	20.29	20.22	20.36	2033159
		*3	21.13	21.06	21.20	1834009
		*4	23.11	23.04	23.18	2549699
		5	23.78	23.71	23.85	1356259
Aroclor-1260	.10	*1	23.78	23.71	23.85	2310329
		*2	24.92	24.85	24.99	2715109
		*3	28.45	28.38	28.52	1774839
		*4	30.07	30.00	30.14	3931579
		5	32.05	31.98	32.12	2483449

* Denotes required peaks

6F

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Instrument ID: 5890 3 Date(s) Analyzed: 07/13/96 07/13/96

GC Column: DB1701 ID: .53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	.50	*1	25.17	25.10	25.24	553527
		*2	28.38	28.31	28.45	677123
		*3	30.37	30.30	30.44	539385
		*4	31.79	31.72	31.86	518293
		5				
Aroclor-1016	.10	*1	12.07	12.00	12.14	1211349
		*2	13.84	13.77	13.91	2470189
		*3	15.97	15.90	16.04	4018559
		*4	16.53	16.46	16.60	1538009
		5	18.56	18.49	18.63	1953989
Aroclor-1221	.20	*1	7.58	7.51	7.65	764409
		*2	11.07	11.00	11.14	651794
		*3	12.07	12.00	12.14	1695619
		4				
		5				
Aroclor-1232	.10	*1	7.56	7.49	7.63	1103849
		*2	12.07	12.00	12.14	1135489
		*3	13.85	13.78	13.92	997979
		*4	15.97	15.90	16.04	1628019
		5				
Aroclor-1242	.10	*1	12.07	12.00	12.14	1027309
		*2	13.84	13.77	13.91	1933639
		*3	15.97	15.90	16.04	3152499
		*4	16.54	16.47	16.61	1170869
		5	17.47	17.40	17.54	854829
Aroclor-1248	.10	*1	13.84	13.77	13.91	1027939
		*2	15.97	15.90	16.04	2700939
		*3	18.56	18.49	18.63	2420489
		*4	18.98	18.91	19.05	1830429
		5	20.34	20.27	20.41	1140799
Aroclor-1254	.10	*1	17.46	17.39	17.53	1585559
		*2	20.29	20.22	20.36	2148739
		*3	21.13	21.06	21.20	1837609
		*4	23.09	23.02	23.16	2597849
		5	23.78	23.71	23.85	1422389
Aroclor-1260	.10	*1	23.78	23.71	23.85	2481529
		*2	24.90	24.83	24.97	2854619
		*3	28.44	28.37	28.51	1663069
		*4	30.05	29.98	30.12	4277559
		5	32.03	31.96	32.10	2689029

* Denotes required peaks

6G
PESTICIDE ANALYTE RESOLUTION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): RESC01 Lab Sample ID (1): RESC01

Date Analyzed (1): 07/01/96 Time Analyzed (1): 13:49

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.08	100.00
02	gamma-Chlordane	20.78	100.00
03	Endosulfan I	21.61	100.00
04	4,4'-DDE	22.83	86.00
05	Dieldrin	23.05	100.00
06	Endosulfan Sulfate	28.33	100.00
07	Methoxychlor	32.47	83.00
08	Endrin ketone	32.79	100.00
09	Decachlorobiphenyl	41.69	

GC Column (2): DB1701 ID: .00 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): RESC01 Lab Sample ID (2): RESC01

Date Analyzed (2): 07/01/96 Time Analyzed (2): 13:49

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.32	100.00
02	Endosulfan I	21.77	100.00
03	gamma-Chlordane	21.99	100.00
04	4,4'-DDE	22.76	100.00
05	Dieldrin	23.42	100.00
06	Endosulfan Sulfate	30.61	86.00
07	Methoxychlor	30.86	100.00
08	Endrin ketone	32.95	100.00
09	Decachlorobiphenyl	38.72	

6G
PESTICIDE ANALYTE RESOLUTION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): RESC01 Lab Sample ID (1): RESC01

Date Analyzed (1): 07/13/96 Time Analyzed (1): 14:40

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	gamma-Chlordane	20.77	100.00
03	Endosulfan I	21.59	100.00
04	4,4'-DDE	22.82	92.00
05	Dieldrin	23.03	100.00
06	Endosulfan Sulfate	28.30	100.00
07	Methoxychlor	32.44	90.00
08	Endrin ketone	32.76	100.00
09	Decachlorobiphenyl	41.65	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): RESC01 Lab Sample ID (2): RESC01

Date Analyzed (2): 07/13/96 Time Analyzed (2): 14:40

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	Endosulfan I	21.76	95.00
03	gamma-Chlordane	21.98	100.00
04	4,4'-DDE	22.75	100.00
05	Dieldrin	23.41	100.00
06	Endosulfan Sulfate	30.59	86.00
07	Methoxychlor	30.84	100.00
08	Endrin ketone	32.93	100.00
09	Decachlorobiphenyl	38.70	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM01 Lab Sample ID (1): PEM01

Date Analyzed (1): 07/01/96 Time Analyzed (1): 14:46

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.08	100.00
02	alpha-BHC	12.48	100.00
03	gamma-BHC (Lindane)	14.37	100.00
04	beta-BHC	14.80	100.00
05	Endrin	24.83	100.00
06	4,4'-DDT	27.21	100.00
07	Methoxychlor	32.45	100.00
08	Decachlorobiphenyl	41.68	

GC Column (2): DB1701 ID: .00 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM01 Lab Sample ID (2): PEM01

Date Analyzed (2): 07/01/96 Time Analyzed (2): 14:46

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.32	100.00
02	alpha-BHC	13.43	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	beta-BHC	18.63	100.00
05	Endrin	24.37	100.00
06	4,4'-DDT	27.43	100.00
07	Methoxychlor	30.84	100.00
08	Decachlorobiphenyl	38.70	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM02 Lab Sample ID (1): PEM02

Date Analyzed (1): 07/02/96 Time Analyzed (1): 04:57

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.08	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.37	100.00
04	beta-BHC	14.80	100.00
05	Endrin	24.83	100.00
06	4,4'-DDT	27.22	100.00
07	Methoxychlor	32.46	100.00
08	Decachlorobiphenyl	41.69	

GC Column (2): DB1701 ID: .00 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM02 Lab Sample ID (2): PEM02

Date Analyzed (2): 07/02/96 Time Analyzed (2): 04:57

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.32	100.00
02	alpha-BHC	13.43	100.00
03	gamma-BHC (Lindane)	15.28	100.00
04	beta-BHC	18.64	100.00
05	Endrin	24.38	100.00
06	4,4'-DDT	27.44	100.00
07	Methoxychlor	30.86	100.00
08	Decachlorobiphenyl	38.73	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM03 Lab Sample ID (1): PEM03

Date Analyzed (1): 07/03/96 Time Analyzed (1): 01:50

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.08	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.37	100.00
04	beta-BHC	14.79	100.00
05	Endrin	24.83	100.00
06	4,4'-DDT	27.21	100.00
07	Methoxychlor	32.46	100.00
08	Decachlorobiphenyl	41.68	

GC Column (2): DB1701 ID: .00 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM03 Lab Sample ID (2): PEM03

Date Analyzed (2): 07/03/96 Time Analyzed (2): 01:50

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	alpha-BHC	13.43	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	beta-BHC	18.63	100.00
05	Endrin	24.38	100.00
06	4,4'-DDT	27.44	100.00
07	Methoxychlor	30.86	100.00
08	Decachlorobiphenyl	38.72	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RINJA

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM04 Lab Sample ID (1): PEM04

Date Analyzed (1): 07/04/96 Time Analyzed (1): 01:12

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.08	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.37	100.00
04	beta-BHC	14.80	100.00
05	Endrin	24.83	100.00
06	4,4'-DDT	27.21	100.00
07	Methoxychlor	32.47	100.00
08	Decachlorobiphenyl	41.69	

GC Column (2): DB1701 ID: .00 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM04 Lab Sample ID (2): PEM04

Date Analyzed (2): 07/04/96 Time Analyzed (2): 01:12

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.32	100.00
02	alpha-BHC	13.43	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	beta-BHC	18.63	100.00
05	Endrin	24.38	100.00
06	4,4'-DDT	27.44	100.00
07	Methoxychlor	30.86	100.00
08	Decachlorobiphenyl	38.73	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM05 Lab Sample ID (1): PEM05

Date Analyzed (1): 07/06/96 Time Analyzed (1): 12:38

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.36	100.00
04	beta-BHC	14.79	100.00
05	Endrin	24.83	100.00
06	4,4'-DDT	27.20	100.00
07	Methoxychlor	32.44	100.00
08	Decachlorobiphenyl	41.67	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM05 Lab Sample ID (2): PEM05

Date Analyzed (2): 07/06/96 Time Analyzed (2): 12:38

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	beta-BHC	18.63	100.00
05	Endrin	24.37	100.00
06	4,4'-DDT	27.43	100.00
07	Methoxychlor	30.84	100.00
08	Decachlorobiphenyl	38.70	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM01A Lab Sample ID (1): PEM01

Date Analyzed (1): 07/13/96 Time Analyzed (1): 15:35

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.36	100.00
04	beta-BHC	14.79	100.00
05	Endrin	24.82	100.00
06	4,4'-DDT	27.20	100.00
07	Methoxychlor	32.44	100.00
08	Decachlorobiphenyl	41.66	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM01A Lab Sample ID (2): PEM01

Date Analyzed (2): 07/13/96 Time Analyzed (2): 15:35

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	beta-BHC	18.63	100.00
05	Endrin	24.37	100.00
06	4,4'-DDT	27.42	100.00
07	Methoxychlor	30.83	100.00
08	Decachlorobiphenyl	38.69	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM02A Lab Sample ID (1): PEM02A

Date Analyzed (1): 07/14/96 Time Analyzed (1): 05:17

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.08	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.36	100.00
04	beta-BHC	14.79	100.00
05	Endrin	24.82	100.00
06	4,4'-DDT	27.20	100.00
07	Methoxychlor	32.44	100.00
08	Decachlorobiphenyl	41.66	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM02A Lab Sample ID (2): PEM02A

Date Analyzed (2): 07/14/96 Time Analyzed (2): 05:17

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	beta-BHC	18.63	100.00
05	Endrin	24.37	100.00
06	4,4'-DDT	27.43	100.00
07	Methoxychlor	30.84	100.00
08	Decachlorobiphenyl	38.71	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM03A Lab Sample ID (1): PEM03A

Date Analyzed (1): 07/15/96 Time Analyzed (1): 03:26

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.46	100.00
03	gamma-BHC (Lindane)	14.35	100.00
04	beta-BHC	14.78	100.00
05	Endrin	24.81	100.00
06	4,4'-DDT	27.19	100.00
07	Methoxychlor	32.44	100.00
08	Decachlorobiphenyl	41.64	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM03A Lab Sample ID (2): PEM03A

Date Analyzed (2): 07/15/96 Time Analyzed (2): 03:26

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.30	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.26	100.00
04	beta-BHC	18.62	100.00
05	Endrin	24.35	100.00
06	4,4'-DDT	27.42	100.00
07	Methoxychlor	30.84	100.00
08	Decachlorobiphenyl	38.70	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM04A Lab Sample ID (1): PEM04A

Date Analyzed (1): 07/16/96 Time Analyzed (1): 00:31

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.08	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.37	100.00
04	beta-BHC	14.79	100.00
05	Endrin	24.83	100.00
06	4,4'-DDT	27.20	100.00
07	Methoxychlor	32.45	100.00
08	Decachlorobiphenyl	41.68	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM04A Lab Sample ID (2): PEM04A

Date Analyzed (2): 07/16/96 Time Analyzed (2): 00:31

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.32	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	beta-BHC	18.63	100.00
05	Endrin	24.37	100.00
06	4,4'-DDT	27.44	100.00
07	Methoxychlor	30.86	100.00
08	Decachlorobiphenyl	38.73	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM05A Lab Sample ID (1): PEM05A

Date Analyzed (1): 07/16/96 Time Analyzed (1): 20:37

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.35	100.00
04	beta-BHC	14.78	100.00
05	Endrin	24.81	100.00
06	4,4'-DDT	27.19	100.00
07	Methoxychlor	32.44	100.00
08	Decachlorobiphenyl	41.64	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM05A Lab Sample ID (2): PEM05A

Date Analyzed (2): 07/16/96 Time Analyzed (2): 20:37

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.30	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.26	100.00
04	beta-BHC	18.62	100.00
05	Endrin	24.36	100.00
06	4,4'-DDT	27.42	100.00
07	Methoxychlor	30.84	100.00
08	Decachlorobiphenyl	38.69	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM06A Lab Sample ID (1): PEM06

Date Analyzed (1): 07/17/96 Time Analyzed (1): 08:41

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.36	100.00
04	beta-BHC	14.78	100.00
05	Endrin	24.82	100.00
06	4,4'-DDT	27.19	100.00
07	Methoxychlor	32.43	100.00
08	Decachlorobiphenyl	41.63	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM06A Lab Sample ID (2): PEM06

Date Analyzed (2): 07/17/96 Time Analyzed (2): 08:41

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.32	100.00
02	alpha-BHC	13.43	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	beta-BHC	18.63	100.00
05	Endrin	24.37	100.00
06	4,4'-DDT	27.41	100.00
07	Methoxychlor	30.83	100.00
08	Decachlorobiphenyl	38.68	

6H
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): PEM07A Lab Sample ID (1): PEM07A

Date Analyzed (1): 07/18/96 Time Analyzed (1): 04:48

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.36	100.00
04	beta-BHC	14.78	100.00
05	Endrin	24.82	100.00
06	4,4'-DDT	27.19	100.00
07	Methoxychlor	32.44	100.00
08	Decachlorobiphenyl	41.65	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): PEM07A Lab Sample ID (2): PEM07A

Date Analyzed (2): 07/18/96 Time Analyzed (2): 04:48

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	beta-BHC	18.46	100.00
05	Endrin	24.36	100.00
06	4,4'-DDT	27.42	100.00
07	Methoxychlor	30.84	100.00
08	Decachlorobiphenyl	38.69	

6I
INDIVIDUAL STANDARD MIXTURE A

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RINSA

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDAM02 Lab Sample ID (1): INDAM02

Date Analyzed (1): 07/02/96 Time Analyzed (1): 15:24

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.36	100.00
04	Heptachlor	15.85	100.00
05	Endosulfan I	21.60	100.00
06	Dieldrin	23.03	100.00
07	Endrin	24.82	100.00
08	4,4'-DDD	25.62	100.00
09	4,4'-DDT	27.20	100.00
10	Methoxychlor	32.44	100.00
11	Decachlorobiphenyl	41.66	

GC Column (2): DB1701 ID: .00 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDAM02 Lab Sample ID (2): INDAM02

Date Analyzed (2): 07/02/96 Time Analyzed (2): 15:24

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	Heptachlor	16.30	100.00
05	Endosulfan I	21.75	100.00
06	Dieldrin	23.40	100.00
07	Endrin	24.36	100.00
08	4,4'-DDD	26.53	100.00
09	4,4'-DDT	27.43	100.00
10	Methoxychlor	30.84	100.00
11	Decachlorobiphenyl	38.69	

6I
INDIVIDUAL STANDARD MIXTURE A

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RINIA

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDAM03 Lab Sample ID (1): INDAM03

Date Analyzed (1): 07/03/96 Time Analyzed (1): 13:03

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.37	100.00
04	Heptachlor	15.86	100.00
05	Endosulfan I	21.61	100.00
06	Dieldrin	23.04	100.00
07	Endrin	24.83	100.00
08	4,4'-DDD	25.63	100.00
09	4,4'-DDT	27.21	100.00
10	Methoxychlor	32.46	100.00
11	Decachlorobiphenyl	41.69	

GC Column (2): DB1701 ID: .00 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDAM03 Lab Sample ID (2): INDAM03

Date Analyzed (2): 07/03/96 Time Analyzed (2): 13:03

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.32	100.00
02	alpha-BHC	13.44	100.00
03	gamma-BHC (Lindane)	15.28	100.00
04	Heptachlor	16.32	100.00
05	Endosulfan I	21.78	100.00
06	Dieldrin	23.43	100.00
07	Endrin	24.38	100.00
08	4,4'-DDD	26.54	100.00
09	4,4'-DDT	27.44	100.00
10	Methoxychlor	30.86	100.00
11	Decachlorobiphenyl	38.72	

6I
INDIVIDUAL STANDARD MIXTURE A

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDAM04 Lab Sample ID (1): INDAM04

Date Analyzed (1): 07/06/96 Time Analyzed (1): 22:08

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.36	100.00
04	Heptachlor	15.85	100.00
05	Endosulfan I	21.59	100.00
06	Dieldrin	23.03	100.00
07	Endrin	24.82	100.00
08	4,4'-DDD	25.62	100.00
09	4,4'-DDT	27.20	100.00
10	Methoxychlor	32.44	100.00
11	Decachlorobiphenyl	41.66	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDAM04 Lab Sample ID (2): INDAM04

Date Analyzed (2): 07/06/96 Time Analyzed (2): 22:08

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	Heptachlor	16.30	100.00
05	Endosulfan I	21.75	100.00
06	Dieldrin	23.40	100.00
07	Endrin	24.36	100.00
08	4,4'-DDD	26.54	100.00
09	4,4'-DDT	27.43	100.00
10	Methoxychlor	30.85	100.00
11	Decachlorobiphenyl	38.70	

6I
INDIVIDUAL STANDARD MIXTURE A

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDAM02A Lab Sample ID (1): INDAM02A

Date Analyzed (1): 07/14/96 Time Analyzed (1): 16:31

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.36	100.00
04	Heptachlor	15.85	100.00
05	Endosulfan I	21.59	100.00
06	Dieldrin	23.03	100.00
07	Endrin	24.82	100.00
08	4,4'-DDD	25.62	100.00
09	4,4'-DDT	27.19	100.00
10	Methoxychlor	32.44	100.00
11	Decachlorobiphenyl	41.65	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDAM02A Lab Sample ID (2): INDAM02A

Date Analyzed (2): 07/14/96 Time Analyzed (2): 16:31

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	Heptachlor	16.31	100.00
05	Endosulfan I	21.75	100.00
06	Dieldrin	23.40	100.00
07	Endrin	24.36	100.00
08	4,4'-DDD	26.53	100.00
09	4,4'-DDT	27.43	100.00
10	Methoxychlor	30.84	100.00
11	Decachlorobiphenyl	38.69	

6I
INDIVIDUAL STANDARD MIXTURE A

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDAM03A Lab Sample ID (1): INDAM03A

Date Analyzed (1): 07/15/96 Time Analyzed (1): 13:31

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.36	100.00
04	Heptachlor	15.86	100.00
05	Endosulfan I	21.60	100.00
06	Dieldrin	23.03	100.00
07	Endrin	24.83	100.00
08	4,4'-DDD	25.63	100.00
09	4,4'-DDT	27.20	100.00
10	Methoxychlor	32.45	100.00
11	Decachlorobiphenyl	41.66	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDAM03A Lab Sample ID (2): INDAM03A

Date Analyzed (2): 07/15/96 Time Analyzed (2): 13:31

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	Heptachlor	16.31	100.00
05	Endosulfan I	21.76	100.00
06	Dieldrin	23.41	100.00
07	Endrin	24.37	100.00
08	4,4'-DDD	26.54	100.00
09	4,4'-DDT	27.44	100.00
10	Methoxychlor	30.86	100.00
11	Decachlorobiphenyl	38.72	

6I
INDIVIDUAL STANDARD MIXTURE A

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDAM04A Lab Sample ID (1): INDAM04A

Date Analyzed (1): 07/16/96 Time Analyzed (1): 10:31

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.08	100.00
02	alpha-BHC	12.47	100.00
03	gamma-BHC (Lindane)	14.36	100.00
04	Heptachlor	15.86	100.00
05	Endosulfan I	21.60	100.00
06	Dieldrin	23.03	100.00
07	Endrin	24.83	100.00
08	4,4'-DDD	25.63	100.00
09	4,4'-DDT	27.20	100.00
10	Methoxychlor	32.45	100.00
11	Decachlorobiphenyl	41.67	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDAM04A Lab Sample ID (2): INDAM04A

Date Analyzed (2): 07/16/96 Time Analyzed (2): 10:31

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	alpha-BHC	13.43	100.00
03	gamma-BHC (Lindane)	15.27	100.00
04	Heptachlor	16.31	100.00
05	Endosulfan I	21.76	100.00
06	Dieldrin	23.41	100.00
07	Endrin	24.37	100.00
08	4,4'-DDD	26.54	100.00
09	4,4'-DDT	27.44	100.00
10	Methoxychlor	30.85	100.00
11	Decachlorobiphenyl	38.71	

6I
INDIVIDUAL STANDARD MIXTURE A

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDAM05A Lab Sample ID (1): INDAM05A

Date Analyzed (1): 07/17/96 Time Analyzed (1): 18:47

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	alpha-BHC	12.46	100.00
03	gamma-BHC (Lindane)	14.35	100.00
04	Heptachlor	15.84	100.00
05	Endosulfan I	21.58	100.00
06	Dieldrin	23.02	100.00
07	Endrin	24.80	100.00
08	4,4'-DDD	25.60	100.00
09	4,4'-DDT	27.19	100.00
10	Methoxychlor	32.43	100.00
11	Decachlorobiphenyl	41.62	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDAM05A Lab Sample ID (2): INDAM05A

Date Analyzed (2): 07/17/96 Time Analyzed (2): 18:47

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.30	100.00
02	alpha-BHC	13.42	100.00
03	gamma-BHC (Lindane)	15.26	100.00
04	Heptachlor	16.29	100.00
05	Endosulfan I	21.74	100.00
06	Dieldrin	23.38	100.00
07	Endrin	24.35	100.00
08	4,4'-DDD	26.51	100.00
09	4,4'-DDT	27.41	100.00
10	Methoxychlor	30.83	100.00
11	Decachlorobiphenyl	38.67	

6J
INDIVIDUAL STANDARD MIXTURE B

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDBM02 Lab Sample ID (1): INDBM02

Date Analyzed (1): 07/02/96 Time Analyzed (1): 16:21

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	beta-BHC	14.78	100.00
03	delta-BHC	16.48	100.00
04	Aldrin	17.36	100.00
05	Heptachlor epoxide	20.02	100.00
06	gamma-Chlordane	20.77	100.00
07	alpha-Chlordane	21.52	100.00
08	4,4'-DDE	22.82	100.00
09	Endosulfan II	25.80	100.00
10	Endrin aldehyde	27.60	100.00
11	Endosulfan Sulfate	28.31	100.00
12	Endrin ketone	32.76	100.00
13	Decachlorobiphenyl	41.67	

GC Column (2): DB1701 ID: .00 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDBM02 Lab Sample ID (2): INDBM02

Date Analyzed (2): 07/02/96 Time Analyzed (2): 16:21

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	Aldrin	17.57	100.00
03	beta-BHC	18.63	100.00
04	delta-BHC	19.70	100.00
05	Heptachlor epoxide	20.54	100.00
06	gamma-Chlordane	21.98	98.00
07	alpha-Chlordane	22.23	100.00
08	4,4'-DDE	22.76	100.00
09	Endosulfan II	26.74	100.00
10	Endrin aldehyde	28.86	100.00
11	Endosulfan Sulfate	30.59	100.00
12	Endrin ketone	32.93	100.00
13	Decachlorobiphenyl	38.71	

6J
INDIVIDUAL STANDARD MIXTURE B

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIDA

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDBM03 Lab Sample ID (1): INDBM03

Date Analyzed (1): 07/03/96 Time Analyzed (1): 14:00

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.08	100.00
02	beta-BHC	14.80	100.00
03	delta-BHC	16.50	100.00
04	Aldrin	17.38	100.00
05	Heptachlor epoxide	20.03	100.00
06	gamma-Chlordane	20.78	100.00
07	alpha-Chlordane	21.53	100.00
08	4,4'-DDE	22.83	100.00
09	Endosulfan II	25.82	100.00
10	Endrin aldehyde	27.63	100.00
11	Endosulfan Sulfate	28.34	100.00
12	Endrin ketone	32.79	100.00
13	Decachlorobiphenyl	41.70	

GC Column (2): DB1701 ID: .00 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDBM03 Lab Sample ID (2): INDBM03

Date Analyzed (2): 07/03/96 Time Analyzed (2): 13:59

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.32	100.00
02	Aldrin	17.58	100.00
03	beta-BHC	18.64	100.00
04	delta-BHC	19.72	100.00
05	Heptachlor epoxide	20.56	100.00
06	gamma-Chlordane	22.00	97.00
07	alpha-Chlordane	22.25	100.00
08	4,4'-DDE	22.78	100.00
09	Endosulfan II	26.76	100.00
10	Endrin aldehyde	28.89	100.00
11	Endosulfan Sulfate	30.62	100.00
12	Endrin ketone	32.96	100.00
13	Decachlorobiphenyl	38.73	

6J
INDIVIDUAL STANDARD MIXTURE B

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDBM04 Lab Sample ID (1): INDBM04

Date Analyzed (1): 07/06/96 Time Analyzed (1): 23:05

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	beta-BHC	14.78	100.00
03	delta-BHC	16.48	100.00
04	Aldrin	17.36	100.00
05	Heptachlor epoxide	20.02	100.00
06	gamma-Chlordane	20.78	100.00
07	alpha-Chlordane	21.52	100.00
08	4,4'-DDE	22.83	100.00
09	Endosulfan II	25.80	100.00
10	Endosulfan Sulfate	28.31	100.00
11	Endrin ketone	32.77	100.00
12	Decachlorobiphenyl	41.68	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDBM04 Lab Sample ID (2): INDBM04

Date Analyzed (2): 07/06/96 Time Analyzed (2): 23:05

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	Aldrin	17.57	100.00
03	beta-BHC	18.63	100.00
04	delta-BHC	19.70	100.00
05	Heptachlor epoxide	20.54	100.00
06	gamma-Chlordane	21.98	98.00
07	alpha-Chlordane	22.23	100.00
08	4,4'-DDE	22.76	100.00
09	Endosulfan II	26.74	100.00
10	Endosulfan Sulfate	30.59	100.00
11	Endrin ketone	32.94	100.00
12	Decachlorobiphenyl	38.72	

6J
INDIVIDUAL STANDARD MIXTURE B

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDBM02A Lab Sample ID (1): INDBM02A

Date Analyzed (1): 07/14/96 Time Analyzed (1): 17:26

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	beta-BHC	14.79	100.00
03	delta-BHC	16.48	100.00
04	Aldrin	17.36	100.00
05	Heptachlor epoxide	20.02	100.00
06	gamma-Chlordane	20.77	100.00
07	alpha-Chlordane	21.51	100.00
08	4,4'-DDE	22.82	100.00
09	Endosulfan II	25.80	100.00
10	Endrin aldehyde	27.60	100.00
11	Endosulfan Sulfate	28.30	100.00
12	Endrin ketone	32.76	100.00
13	Decachlorobiphenyl	41.64	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDBM02A Lab Sample ID (2): INDBM02A

Date Analyzed (2): 07/14/96 Time Analyzed (2): 17:26

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	Aldrin	17.57	100.00
03	beta-BHC	18.62	100.00
04	delta-BHC	19.69	100.00
05	Heptachlor epoxide	20.54	100.00
06	gamma-Chlordane	21.98	100.00
07	alpha-Chlordane	22.23	100.00
08	4,4'-DDE	22.75	100.00
09	Endosulfan II	26.74	100.00
10	Endrin aldehyde	28.85	100.00
11	Endosulfan Sulfate	30.59	100.00
12	Endrin ketone	32.92	100.00
13	Decachlorobiphenyl	38.69	

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6J
INDIVIDUAL STANDARD MIXTURE B

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN6A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDBM03A Lab Sample ID (1): INDBM03A

Date Analyzed (1): 07/15/96 Time Analyzed (1): 14:26

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	beta-BHC	14.79	100.00
03	delta-BHC	16.49	100.00
04	Aldrin	17.36	100.00
05	Heptachlor epoxide	20.03	100.00
06	gamma-Chlordane	20.78	100.00
07	alpha-Chlordane	21.52	100.00
08	4,4'-DDE	22.83	100.00
09	Endosulfan II	25.80	100.00
10	Endrin aldehyde	27.61	100.00
11	Endosulfan Sulfate	28.31	100.00
12	Endrin ketone	32.76	100.00
13	Decachlorobiphenyl	41.67	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDBM03A Lab Sample ID (2): INDBM03A

Date Analyzed (2): 07/15/96 Time Analyzed (2): 14:26

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	Aldrin	17.58	100.00
03	beta-BHC	18.63	100.00
04	delta-BHC	19.70	100.00
05	Heptachlor epoxide	20.54	100.00
06	gamma-Chlordane	21.98	98.00
07	alpha-Chlordane	22.24	100.00
08	4,4'-DDE	22.76	100.00
09	Endosulfan II	26.74	100.00
10	Endrin aldehyde	28.86	100.00
11	Endosulfan Sulfate	30.59	100.00
12	Endrin ketone	32.93	100.00
13	Decachlorobiphenyl	38.72	

6J
INDIVIDUAL STANDARD MIXTURE B

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDBM04A Lab Sample ID (1): INDBM04A

Date Analyzed (1): 07/16/96 Time Analyzed (1): 11:26

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	beta-BHC	14.79	100.00
03	delta-BHC	16.49	100.00
04	Aldrin	17.36	100.00
05	Heptachlor epoxide	20.02	100.00
06	gamma-Chlordane	20.78	100.00
07	alpha-Chlordane	21.52	100.00
08	4,4'-DDE	22.82	100.00
09	Endosulfan II	25.80	100.00
10	Endrin aldehyde	27.61	100.00
11	Endosulfan Sulfate	28.31	100.00
12	Endrin ketone	32.76	100.00
13	Decachlorobiphenyl	41.66	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDBM04A Lab Sample ID (2): INDBM04A

Date Analyzed (2): 07/16/96 Time Analyzed (2): 11:26

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.31	100.00
02	Aldrin	17.57	100.00
03	beta-BHC	18.62	100.00
04	delta-BHC	19.70	100.00
05	Heptachlor epoxide	20.54	100.00
06	gamma-Chlordane	21.98	98.00
07	alpha-Chlordane	22.23	100.00
08	4,4'-DDE	22.76	100.00
09	Endosulfan II	26.74	100.00
10	Endrin aldehyde	28.85	100.00
11	Endosulfan Sulfate	30.59	100.00
12	Endrin ketone	32.93	100.00
13	Decachlorobiphenyl	38.71	

6J
INDIVIDUAL STANDARD MIXTURE B

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column (1): DB608 ID: .53 (mm) Instrument ID (1): 5890 3

EPA Sample No. (Standard 1): INDBM05A Lab Sample ID (1): INDBM05A

Date Analyzed (1): 07/17/96 Time Analyzed (1): 19:42

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.07	100.00
02	beta-BHC	14.77	100.00
03	delta-BHC	16.47	100.00
04	Aldrin	17.34	100.00
05	Heptachlor epoxide	20.01	100.00
06	gamma-Chlordane	20.76	100.00
07	alpha-Chlordane	21.50	100.00
08	4,4'-DDE	22.80	100.00
09	Endosulfan II	25.79	100.00
10	Endrin aldehyde	27.59	100.00
11	Endosulfan Sulfate	28.29	100.00
12	Endrin ketone	32.74	100.00
13	Decachlorobiphenyl	41.63	

GC Column (2): DB1701 ID: .53 (mm) Instrument ID (2): 5890 3

EPA Sample No. (Standard 2): INDBM05A Lab Sample ID (2): INDBM05A

Date Analyzed (2): 07/17/96 Time Analyzed (2): 19:42

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.30	100.00
02	Aldrin	17.56	100.00
03	beta-BHC	18.61	100.00
04	delta-BHC	19.68	100.00
05	Heptachlor epoxide	20.53	100.00
06	gamma-Chlordane	21.97	98.00
07	alpha-Chlordane	22.23	100.00
08	4,4'-DDE	22.73	100.00
09	Endosulfan II	26.72	100.00
10	Endrin aldehyde	28.83	100.00
11	Endosulfan Sulfate	30.56	100.00
12	Endrin ketone	32.90	100.00
13	Decachlorobiphenyl	38.68	

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

EPA Sample No.(PIBLK): _____ Date Analyzed : _____

LAB Sample ID (PIBLK): _____ Time Analyzed : _____

EPA Sample No.(PEM): PEM01 Date Analyzed : 07/01/96

LAB Sample ID (PEM): PEM01 Time Analyzed : 14:46

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.48	12.43	12.53	.010	.020	50.0
beta-BHC	14.80	14.75	14.85	.009	.020	55.0
gamma-BHC (Lindane)	14.37	14.31	14.41	.009	.020	55.0
Endrin	24.83	24.76	24.90	.048	.040	20.0
4,4'-DDT	27.21	27.14	27.28	.100	.040	150.0
Methoxychlor	32.45	32.39	32.53	.239	.200	19.5

4,4'-DDT % breakdown (1): 1.63 Endrin % breakdown (1): 1.98

Combined % breakdown (1): 3.61

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .00 (mm) Init. Calib. Date(s): 07/01/96 07/01/96

EPA Sample No.(PIBLK): _____ Date Analyzed : _____

LAB Sample ID (PIBLK): _____ Time Analyzed : _____

EPA Sample No.(PEM): PEM01 Date Analyzed : 07/01/96

LAB Sample ID (PEM): PEM01 Time Analyzed : 14:46

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.43	13.38	13.48	.009	.020	55.0
beta-BHC	18.63	18.58	18.68	.009	.020	55.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.009	.020	55.0
Endrin	24.37	24.30	24.44	.049	.040	22.5
4,4'-DDT	27.43	27.37	27.51	.114	.040	185.0
Methoxychlor	30.84	30.79	30.93	.253	.200	26.5

4,4'-DDT % breakdown (1): 7.47 Endrin % breakdown (1): 1.21

Combined % breakdown (1): 8.68

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

EPA Sample No.(PIBLK): PIBLK01 Date Analyzed : 07/02/96

LAB Sample ID (PIBLK): PIBLK01 Time Analyzed : 04:00

EPA Sample No.(PEM): PEM02 Date Analyzed : 07/02/96

LAB Sample ID (PEM): PEM02 Time Analyzed : 04:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.43	12.53	.009	.010	10.0
beta-BHC	14.80	14.75	14.85	.010	.010	.0
gamma-BHC (Lindane)	14.37	14.31	14.41	.009	.010	10.0
Endrin	24.83	24.76	24.90	.048	.050	4.0
4,4'-DDT	27.22	27.14	27.28	.097	.100	3.0
Methoxychlor	32.46	32.39	32.53	.231	.250	7.6

4,4'-DDT % breakdown (1): .95 Endrin % breakdown (1): 4.72

Combined % breakdown (1): 5.67

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .00 (mm) Init. Calib. Date(s): 07/01/96 07/01/96

EPA Sample No.(PIBLK): PIBLK01 Date Analyzed : 07/02/96

LAB Sample ID (PIBLK): PIBLK01 Time Analyzed : 04:00

EPA Sample No.(PEM): PEM02 Date Analyzed : 07/02/96

LAB Sample ID (PEM): PEM02 Time Analyzed : 04:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.43	13.38	13.48	.009	.010	10.0
beta-BHC	18.64	18.58	18.68	.009	.010	10.0
gamma-BHC (Lindane)	15.28	15.22	15.32	.009	.010	10.0
Endrin	24.38	24.30	24.44	.049	.050	2.0
4,4'-DDT	27.44	27.37	27.51	.097	.100	3.0
Methoxychlor	30.86	30.79	30.93	.227	.250	9.2

4,4'-DDT % breakdown (1): 3.26 Endrin % breakdown (1): 1.31

Combined % breakdown (1): 4.57

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RJN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

EPA Sample No.(PIBLK): PIBLK03 Date Analyzed : 07/03/96

LAB Sample ID (PIBLK): PIBLK03 Time Analyzed : 00:53

EPA Sample No.(PEM): PEM03 Date Analyzed : 07/03/96

LAB Sample ID (PEM): PEM03 Time Analyzed : 01:50

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.43	12.53	.009	.010	10.0
beta-BHC	14.79	14.75	14.85	.009	.010	10.0
gamma-BHC (Lindane)	14.37	14.31	14.41	.010	.010	.0
Endrin	24.83	24.76	24.90	.048	.050	4.0
4,4'-DDT	27.21	27.14	27.28	.098	.100	2.0
Methoxychlor	32.46	32.39	32.53	.227	.250	9.2

,4'-DDT % breakdown (1): .16 Endrin % breakdown (1): .00

ombined % breakdown (1): .16

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .00 (mm) Init. Calib. Date(s): 07/01/96 07/01/96

EPA Sample No.(PIBLK): PIBLK03 Date Analyzed : 07/03/96

LAB Sample ID (PIBLK): PIBLK03 Time Analyzed : 00:53

EPA Sample No.(PEM): PEM03 Date Analyzed : 07/03/96

LAB Sample ID (PEM): PEM03 Time Analyzed : 01:50

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.43	13.38	13.48	.009	.010	10.0
beta-BHC	18.63	18.58	18.68	.012	.010	20.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.009	.010	10.0
Endrin	24.38	24.30	24.44	.049	.050	2.0
4,4'-DDT	27.44	27.37	27.51	.102	.100	2.0
Methoxychlor	30.86	30.79	30.93	.242	.250	3.2

,4'-DDT % breakdown (1): 6.03 Endrin % breakdown (1): 1.11

Combined % breakdown (1): 7.14

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RINSA

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

EPA Sample No.(PIBLK): PIBLK05 Date Analyzed : 07/04/96

LAB Sample ID (PIBLK): PIBLK05 Time Analyzed : 00:16

EPA Sample No.(PEM): PEM04 Date Analyzed : 07/04/96

LAB Sample ID (PEM): PEM04 Time Analyzed : 01:12

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.43	12.53	.010	.010	.0
beta-BHC	14.80	14.75	14.85	.010	.010	.0
gamma-BHC (Lindane)	14.37	14.31	14.41	.010	.010	.0
Endrin	24.83	24.76	24.90	.049	.050	2.0
4,4'-DDT	27.21	27.14	27.28	.099	.100	1.0
Methoxychlor	32.47	32.39	32.53	.231	.250	7.6

4,4'-DDT % breakdown (1): .28 Endrin % breakdown (1): .00

Combined % breakdown (1): .28

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .00 (mm) Init. Calib. Date(s): 07/01/96 07/01/96

EPA Sample No.(PIBLK): PIBLK05 Date Analyzed : 07/04/96

LAB Sample ID (PIBLK): PIBLK05 Time Analyzed : 00:16

EPA Sample No.(PEM): PEM04 Date Analyzed : 07/04/96

LAB Sample ID (PEM): PEM04 Time Analyzed : 01:12

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.43	13.38	13.48	.009	.010	10.0
beta-BHC	18.63	18.58	18.68	.011	.010	10.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.009	.010	10.0
Endrin	24.38	24.30	24.44	.049	.050	2.0
4,4'-DDT	27.44	27.37	27.51	.100	.100	.0
Methoxychlor	30.86	30.79	30.93	.231	.250	7.6

4,4'-DDT % breakdown (1): 3.38 Endrin % breakdown (1): 1.26

Combined % breakdown (1): 4.64

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

EPA Sample No.(PIBLK): PIBLK06 Date Analyzed : 07/06/96

LAB Sample ID (PIBLK): PIBLK06 Time Analyzed : 11:41

EPA Sample No.(PEM): PEM05 Date Analyzed : 07/06/96

LAB Sample ID (PEM): PEM05 Time Analyzed : 12:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.43	12.53	.010	.010	.0
beta-BHC	14.79	14.75	14.85	.010	.010	.0
gamma-BHC (Lindane)	14.36	14.31	14.41	.010	.010	.0
Endrin	24.83	24.76	24.90	.050	.050	.0
4,4'-DDT	27.20	27.14	27.28	.104	.100	4.0
Methoxychlor	32.44	32.39	32.53	.240	.250	- 4.0

4,4'-DDT % breakdown (1): 1.65 Endrin % breakdown (1): 2.62

Combined % breakdown (1): 4.27

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

EPA Sample No.(PIBLK): PIBLK06 Date Analyzed : 07/06/96

LAB Sample ID (PIBLK): PIBLK06 Time Analyzed : 11:41

EPA Sample No.(PEM): PEM05 Date Analyzed : 07/06/96

LAB Sample ID (PEM): PEM05 Time Analyzed : 12:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.38	13.48	.009	.010	-10.0
beta-BHC	18.63	18.58	18.68	.010	.010	.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.009	.010	-10.0
Endrin	24.37	24.30	24.44	.051	.050	2.0
4,4'-DDT	27.43	27.37	27.51	.107	.100	7.0
Methoxychlor	30.84	30.79	30.93	.255	.250	2.0

4,4'-DDT % breakdown (1): 5.59 Endrin % breakdown (1): 3.02

Combined % breakdown (1): 8.61

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): _____ Date Analyzed : _____

LAB Sample ID (PIBLK): _____ Time Analyzed : _____

EPA Sample No.(PEM): PEM01A Date Analyzed : 07/13/96

LAB Sample ID (PEM): PEM01A Time Analyzed : 15:35

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.42	12.52	.009	.010	-10.0
beta-BHC	14.79	14.74	14.84	.010	.010	.0
gamma-BHC (Lindane)	14.36	14.31	14.41	.010	.010	.0
Endrin	24.82	24.75	24.89	.050	.050	.0
4,4'-DDT	27.20	27.13	27.27	.102	.100	2.0
Methoxychlor	32.44	32.37	32.51	.244	.250	- 2.4

4,4'-DDT % breakdown (1): 4.10 Endrin % breakdown (1): 3.26

Combined % breakdown (1): 7.36

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): _____ Date Analyzed : _____

LAB Sample ID (PIBLK): _____ Time Analyzed : _____

EPA Sample No.(PEM): PEM01A Date Analyzed : 07/13/96

LAB Sample ID (PEM): PEM01A Time Analyzed : 15:35

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.37	13.47	.009	.010	-10.0
beta-BHC	18.63	18.58	18.68	.010	.010	.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.009	.010	-10.0
Endrin	24.37	24.30	24.44	.051	.050	2.0
4,4'-DDT	27.42	27.36	27.50	.116	.100	16.0
Methoxychlor	30.83	30.77	30.91	.257	.250	2.8

4,4'-DDT % breakdown (1): 6.42 Endrin % breakdown (1): 4.70

Combined % breakdown (1): 11.12

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK01A Date Analyzed : 07/14/96

LAB Sample ID (PIBLK): PIBLK01A Time Analyzed : 04:22

EPA Sample No.(PEM): PEM02A Date Analyzed : 07/14/96

LAB Sample ID (PEM): PEM02A Time Analyzed : 05:17

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.42	12.52	.009	.010	-10.0
beta-BHC	14.79	14.74	14.84	.010	.010	.0
gamma-BHC (Lindane)	14.36	14.31	14.41	.010	.010	.0
Endrin	24.82	24.75	24.89	.049	.050	- 2.0
4,4'-DDT	27.20	27.13	27.27	.098	.100	- 2.0
Methoxychlor	32.44	32.37	32.51	.233	.250	- 6.8

,4'-DDT % breakdown (1): 3.42 Endrin % breakdown (1): .00

Combined % breakdown (1): 3.42

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK01A Date Analyzed : 07/14/96

LAB Sample ID (PIBLK): PIBLK01A Time Analyzed : 04:22

EPA Sample No.(PEM): PEM02A Date Analyzed : 07/14/96

LAB Sample ID (PEM): PEM02A Time Analyzed : 05:17

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.37	13.47	.009	.010	-10.0
beta-BHC	18.63	18.58	18.68	.009	.010	-10.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.009	.010	-10.0
Endrin	24.37	24.30	24.44	.052	.050	4.0
4,4'-DDT	27.43	27.36	27.50	.097	.100	- 3.0
Methoxychlor	30.84	30.77	30.91	.237	.250	5.2

4,4'-DDT % breakdown (1): 7.55 Endrin % breakdown (1): 9.44

Combined % breakdown (1): 16.99

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK03A Date Analyzed : 07/15/96

LAB Sample ID (PIBLK): PIBLK03A Time Analyzed : 02:32

EPA Sample No.(PEM): PEM03A Date Analyzed : 07/15/96

LAB Sample ID (PEM): PEM03A Time Analyzed : 03:26

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.46	12.42	12.52	.010	.010	.0
beta-BHC	14.78	14.74	14.84	.010	.010	.0
gamma-BHC (Lindane)	14.35	14.31	14.41	.010	.010	.0
Endrin	24.81	24.75	24.89	.048	.050	- 4.0
4,4'-DDT	27.19	27.13	27.27	.095	.100	- 5.0
Methoxychlor	32.44	32.37	32.51	.228	.250	- 8.8

4,4'-DDT % breakdown (1): 2.04 Endrin % breakdown (1): 0.00

Combined % breakdown (1): 2.04

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK03A Date Analyzed : 07/15/96

LAB Sample ID (PIBLK): PIBLK03A Time Analyzed : 02:32

EPA Sample No.(PEM): PEM03A Date Analyzed : 07/15/96

LAB Sample ID (PEM): PEM03A Time Analyzed : 03:26

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.37	13.47	.009	.010	-10.0
beta-BHC	18.62	18.58	18.68	.009	.010	-10.0
gamma-BHC (Lindane)	15.26	15.22	15.32	.009	.010	-10.0
Endrin	24.35	24.30	24.44	.051	.050	2.0
4,4'-DDT	27.42	27.36	27.50	.095	.100	- 5.0
Methoxychlor	30.84	30.77	30.91	.235	.250	- 6.0

4,4'-DDT % breakdown (1): 7.93 Endrin % breakdown (1): 3.75

Combined % breakdown (1): 11.68

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK07A Date Analyzed : 07/15/96

LAB Sample ID (PIBLK): PIBLK07A Time Analyzed : 23:36

EPA Sample No.(PEM): PEM04A Date Analyzed : 07/16/96

LAB Sample ID (PEM): PEM04A Time Analyzed : 00:31

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.42	12.52	.009	.010	-10.0
beta-BHC	14.79	14.74	14.84	.010	.010	.0
gamma-BHC (Lindane)	14.37	14.31	14.41	.010	.010	.0
Endrin	24.83	24.75	24.89	.048	.050	- 4.0
4,4'-DDT	27.20	27.13	27.27	.095	.100	- 5.0
Methoxychlor	32.45	32.37	32.51	.227	.250	- 9.2

4,4'-DDT % breakdown (1): 3.45 Endrin % breakdown (1): 3.06

Combined % breakdown (1): 6.51

FORM VII PEST-1 OLM03.0

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK07A Date Analyzed : 07/15/96

LAB Sample ID (PIBLK): PIBLK07A Time Analyzed : 23:36

EPA Sample No.(PEM): PEM04A Date Analyzed : 07/16/96

LAB Sample ID (PEM): PEM04A Time Analyzed : 00:31

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.37	13.47	.009	.010	-10.0
beta-BHC	18.63	18.58	18.68	.011	.010	10.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.009	.010	-10.0
Endrin	24.37	24.30	24.44	.049	.050	- 2.0
4,4'-DDT	27.44	27.36	27.50	.091	.100	- 9.0
Methoxychlor	30.86	30.77	30.91	.226	.250	- 9.6

4,4'-DDT % breakdown (1): 7.73 Endrin % breakdown (1): 9.47

Combined % breakdown (1): 17.20

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK11A Date Analyzed : 07/16/96

LAB Sample ID (PIBLK): PIBLK11A Time Analyzed : 19:42

EPA Sample No.(PEM): PEM05A Date Analyzed : 07/16/96

LAB Sample ID (PEM): PEM05A Time Analyzed : 20:37

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.42	12.52	.010	.010	.0
beta-BHC	14.78	14.74	14.84	.010	.010	.0
gamma-BHC (Lindane)	14.35	14.31	14.41	.010	.010	.0
Endrin	24.81	24.75	24.89	.048	.050	- 4.0
4,4'-DDT	27.19	27.13	27.27	.095	.100	- 5.0
Methoxychlor	32.44	32.37	32.51	.227	.250	- 9.2

4,4'-DDT % breakdown (1): 3.07 Endrin % breakdown (1): 0

Combined % breakdown (1): 3.07

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK11A Date Analyzed : 07/16/96

LAB Sample ID (PIBLK): PIBLK11A Time Analyzed : 19:42

EPA Sample No.(PEM): PEM05A Date Analyzed : 07/16/96

LAB Sample ID (PEM): PEM05A Time Analyzed : 20:37

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.37	13.47	.009	.010	-10.0
beta-BHC	18.62	18.58	18.68	.010	.010	.0
gamma-BHC (Lindane)	15.26	15.22	15.32	.009	.010	-10.0
Endrin	24.36	24.30	24.44	.051	.050	2.0
4,4'-DDT	27.42	27.36	27.50	.096	.100	- 4.0
Methoxychlor	30.84	30.77	30.91	.244	.250	- 2.4

4,4'-DDT % breakdown (1): 7.87 Endrin % breakdown (1): 8.95

Combined % breakdown (1): 16.82

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK12A Date Analyzed : 07/17/96

LAB Sample ID (PIBLK): PIBLK12A Time Analyzed : 07:39

EPA Sample No.(PEM): PEM06A Date Analyzed : 07/17/96

LAB Sample ID (PEM): PEM06A Time Analyzed : 08:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.42	12.52	.009	.010	-10.0
beta-BHC	14.78	14.74	14.84	.009	.010	-10.0
gamma-BHC (Lindane)	14.36	14.31	14.41	.010	.010	.0
Endrin	24.82	24.75	24.89	.050	.050	.0
4,4'-DDT	27.19	27.13	27.27	.102	.100	2.0
Methoxychlor	32.43	32.37	32.51	.231	.250	- 7.6

4,4'-DDT % breakdown (1): 4.94 Endrin % breakdown (1): 1.31

Combined % breakdown (1): 6.25

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK12A Date Analyzed : 07/17/96

LAB Sample ID (PIBLK): PIBLK12A Time Analyzed : 07:39

EPA Sample No.(PEM): PEM06A Date Analyzed : 07/17/96

LAB Sample ID (PEM): PEM06A Time Analyzed : 08:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.43	13.37	13.47	.009	.010	-10.0
beta-BHC	18.63	18.58	18.68	.012	.010	+20.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.009	.010	-10.0
Endrin	24.37	24.30	24.44	.051	.050	2.0
4,4'-DDT	27.41	27.36	27.50	.113	.100	13.0
Methoxychlor	30.83	30.77	30.91	.265	.250	6.0

4,4'-DDT % breakdown (1): 8.18 Endrin % breakdown (1): 7.90

Combined % breakdown (1): 16.08

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK15A Date Analyzed : 07/18/96

LAB Sample ID (PIBLK): PIBLK15A Time Analyzed : 03:54

EPA Sample No.(PEM): PEM07A Date Analyzed : 07/18/96

LAB Sample ID (PEM): PEM07A Time Analyzed : 04:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.42	12.52	.010	.010	.0
beta-BHC	14.78	14.74	14.84	.010	.010	.0
gamma-BHC (Lindane)	14.36	14.31	14.41	.010	.010	.0
Endrin	24.82	24.75	24.89	.048	.050	- 4.0
4,4'-DDT	27.19	27.13	27.27	.096	.100	- 4.0
Methoxychlor	32.44	32.37	32.51	.230	.250	- 8.0

4,4'-DDT % breakdown (1): 2.38 Endrin % breakdown (1): 1.52

Combined % breakdown (1): 3.90

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK15 Date Analyzed : 07/18/96

LAB Sample ID (PIBLK): PIBLK15 Time Analyzed : 03:54

EPA Sample No.(PEM): PEM07 Date Analyzed : 07/18/96

LAB Sample ID (PEM): PEM07 Time Analyzed : 04:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.37	13.47	.009	.010	-10.0
beta-BHC	18.62	18.58	18.68	.009	.010	-10.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.009	.010	10.0
Endrin	24.36	24.30	24.44	.052	.050	4.0
4,4'-DDT	27.42	27.36	27.50	.112	.100	12.0
Methoxychlor	30.84	30.77	30.91	.255	.250	2.0

4'-DDT % breakdown (1): 5.79 Endrin % breakdown (1): 2.78

Combined % breakdown (1): 18.62

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

EPA Sample No.(PIBLK): PIBLK02 Date Analyzed : 07/02/96

LAB Sample ID (PIBLK): PIBLK02 Time Analyzed : 14:27

EPA Sample No.(INDA): INDAM02 Date Analyzed : 07/02/96

LAB Sample ID (INDA): INDAM02 Time Analyzed : 15:24

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.43	12.53	.020	.020	.0
gamma-BHC (Lindane)	14.36	14.31	14.41	.020	.020	.0
Heptachlor	15.85	15.81	15.91	.021	.020	5.0
Endosulfan I	21.60	21.53	21.67	.020	.020	.0
Dieldrin	23.03	22.97	23.11	.041	.040	2.5
Endrin	24.82	24.76	24.90	.041	.040	2.5
4,4'-DDD	25.62	25.56	25.70	.040	.040	.0
4,4'-DDT	27.20	27.14	27.28	.041	.040	2.5
Methoxychlor	32.44	32.39	32.53	.206	.200	3.0
Tetrachloro-m-xylene	9.07	9.03	9.13	.020	.020	.0
Decachlorobiphenyl	41.66	41.61	41.75	.040	.040	.0

EPA Sample No.(INDB): INDBM02 Date Analyzed : 07/02/96

LAB Sample ID (INDB): INDBM02 Time Analyzed : 16:21

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	14.78	14.75	14.85	.020	.020	.0
delta-BHC	16.48	16.39	16.49	.021	.020	5.0
Aldrin	17.36	17.31	17.41	.020	.020	.0
Heptachlor epoxide	20.02	19.96	20.10	.020	.020	.0
4,4'-DDE	22.82	22.76	22.90	.041	.040	2.5
Endosulfan II	25.80	25.74	25.88	.041	.040	2.5
Endosulfan Sulfate	28.31	28.25	28.39	.040	.040	.0
Endrin ketone	32.76	32.71	32.85	.040	.040	.0
Endrin aldehyde	27.60	27.55	27.69	.040	.040	.0
alpha-Chlordane	21.52	21.45	21.59	.020	.020	.0
gamma-Chlordane	20.77	20.71	20.85	.020	.020	.0
Tetrachloro-m-xylene	9.07	9.03	9.13	.020	.020	.0
Decachlorobiphenyl	41.67	41.61	41.75	.041	.040	2.5

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .00 (mm) Init. Calib. Date(s): 07/01/96 07/01/96

EPA Sample No.(PIBLK): PIBLK02 Date Analyzed : 07/02/96

LAB Sample ID (PIBLK): PIBLK02 Time Analyzed : 14:27

EPA Sample No.(INDA): INDAM02 Date Analyzed : 07/02/96

LAB Sample ID (INDA): INDAM02 Time Analyzed : 15:24

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.38	13.48	.020	.020	.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.020	.020	.0
Heptachlor	16.30	16.26	16.36	.020	.020	.0
Endosulfan I	21.75	21.69	21.83	.020	.020	.0
Dieldrin	23.40	23.34	23.48	.040	.040	.0
Endrin	24.36	24.30	24.44	.041	.040	2.5
4,4'-DDD	26.53	26.47	26.61	.041	.040	2.5
4,4'-DDT	27.43	27.37	27.51	.035	.040	- 12.5
Methoxychlor	30.84	30.79	30.93	.197	.200	- 1.5
Tetrachloro-m-xylene	9.31	9.26	9.36	.020	.020	.0
Decachlorobiphenyl	38.69	38.64	38.78	.040	.040	.0

EPA Sample No.(INDB): INDBM02 Date Analyzed : 07/02/96

LAB Sample ID (INDB): INDBM02 Time Analyzed : 16:21

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	18.63	18.58	18.68	.021	.020	5.0
delta-BHC	19.70	19.66	19.76	.020	.020	.0
Aldrin	17.57	17.52	17.62	.021	.020	5.0
Heptachlor epoxide	20.54	20.48	20.62	.020	.020	.0
4,4'-DDE	22.76	22.70	22.84	.041	.040	2.5
Endosulfan II	26.74	26.68	26.82	.040	.040	.0
Endosulfan Sulfate	30.59	30.54	30.68	.040	.040	.0
Endrin ketone	32.93	32.87	33.01	.040	.040	.0
Endrin aldehyde	28.86	28.80	28.94	.041	.040	2.5
alpha-Chlordane	22.23	22.17	22.31	.020	.020	.0
gamma-Chlordane	21.98	21.92	22.06	.020	.020	.0
Tetrachloro-m-xylene	9.31	9.26	9.36	.020	.020	.0
Decachlorobiphenyl	38.71	38.64	38.78	.041	.040	2.5

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

EPA Sample No.(PIBLK): PIBLK04 Date Analyzed : 07/03/96

LAB Sample ID (PIBLK): PIBLK04 Time Analyzed : 10:22

EPA Sample No.(INDA): INDAM03 Date Analyzed : 07/03/96

LAB Sample ID (INDA): INDAM03 Time Analyzed : 13:03

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.43	12.53	.018	.020	-10.0
gamma-BHC (Lindane)	14.37	14.31	14.41	.019	.020	- 5.0
Heptachlor	15.86	15.81	15.91	.024	.020	20.0
Endosulfan I	21.61	21.53	21.67	.016	.020	-20.0
Dieldrin	23.04	22.97	23.11	.040	.040	.0
Endrin	24.83	24.76	24.90	.041	.040	2.5
4,4'-DDD	25.63	25.56	25.70	.042	.040	5.0
4,4'-DDT	27.21	27.14	27.28	.043	.040	9.0
Methoxychlor	32.46	32.39	32.53	.217	.200	8.5
Tetrachloro-m-xylene	9.07	9.03	9.13	.020	.020	.0
Decachlorobiphenyl	41.69	41.58	41.78	.040	.040	.0

EPA Sample No.(INDB): INDBM03 Date Analyzed : 07/03/96

LAB Sample ID (INDB): INDBM03 Time Analyzed : 14:00

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	14.80	14.75	14.85	.020	.020	.0
delta-BHC	16.50	16.39	16.49	.022	.020	10.0
Aldrin	17.38	17.31	17.41	.021	.020	5.0
Heptachlor epoxide	20.03	19.96	20.10	.021	.020	5.0
4,4'-DDE	22.83	22.76	22.90	.044	.040	10.0
Endosulfan II	25.82	25.74	25.88	.041	.040	2.5
Endosulfan Sulfate	28.34	28.25	28.39	.040	.040	.0
Endrin ketone	32.79	32.71	32.85	.041	.040	2.5
Endrin aldehyde	27.63	27.55	27.69	.041	.040	2.5
alpha-Chlordane	21.53	21.45	21.59	.020	.020	.0
gamma-Chlordane	20.78	20.71	20.85	.021	.020	5.0
Tetrachloro-m-xylene	9.08	9.03	9.13	.021	.020	5.0
Decachlorobiphenyl	41.70	41.58	41.78	.040	.040	.0

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No. QINJA

GC Column: DB1701 ID: .00 (mm) Init. Calib. Date(s): 07/01/96 07/01/96

EPA Sample No.(PIBLK): PIBLK04 Date Analyzed : 07/03/96

LAB Sample ID (PIBLK): PIBLK04 Time Analyzed : 10:22

EPA Sample No.(INDA): INDAM03 Date Analyzed : 07/03/96

LAB Sample ID (INDA): INDAM03 Time Analyzed : 13:03

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.44	13.38	13.48	.021	.020	5.0
gamma-BHC (Lindane)	15.28	15.22	15.32	.021	.020	5.0
Heptachlor	16.32	16.26	16.36	.021	.020	5.0
Endosulfan I	21.78	21.69	21.83	.020	.020	.0
Dieldrin	23.43	23.34	23.48	.040	.040	.0
Endrin	24.38	24.30	24.44	.042	.040	5.0
4,4'-DDD	26.54	26.47	26.61	.041	.040	2.5
4,4'-DDT	27.44	27.37	27.51	.045	.040	12.5
Methoxychlor	30.86	30.79	30.93	.218	.200	9.0
Tetrachloro-m-xylene	9.32	9.26	9.36	.021	.020	5.0
Decachlorobiphenyl	38.72	38.64	38.78	.040	.040	.0

EPA Sample No.(INDB): INDBM03 Date Analyzed : 07/03/96

LAB Sample ID (INDB): INDBM03 Time Analyzed : 13:59

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	18.64	18.58	18.68	.019	.020	- 5.0
delta-BHC	19.72	19.66	19.76	.022	.020	10.0
Aldrin	17.58	17.52	17.62	.021	.020	5.0
Heptachlor epoxide	20.56	20.48	20.62	.021	.020	5.0
4,4'-DDE	22.78	22.70	22.84	.047	.040	17.5
Endosulfan II	26.76	26.68	26.82	.041	.040	2.5
Endosulfan Sulfate	30.62	30.54	30.68	.041	.040	2.5
Endrin ketone	32.96	32.87	33.01	.042	.040	5.0
Endrin aldehyde	28.89	28.80	28.94	.042	.040	5.0
alpha-Chlordane	22.25	22.17	22.31	.020	.020	.0
gamma-Chlordane	22.00	21.92	22.06	.020	.020	.0
Tetrachloro-m-xylene	9.32	9.26	9.36	.022	.020	10.0
Decachlorobiphenyl	38.73	38.64	38.78	.040	.040	.0

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

EPA Sample No.(PIBLK): PIBLK07 Date Analyzed : 07/06/96

LAB Sample ID (PIBLK): PIBLK07 Time Analyzed : 21:11

EPA Sample No.(INDA): INDAM04 Date Analyzed : 07/06/96

LAB Sample ID (INDA): INDAM04 Time Analyzed : 22:08

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.43	12.53	.021	.020	5.0
gamma-BHC (Lindane)	14.36	14.31	14.41	.021	.020	5.0
Heptachlor	15.85	15.81	15.91	.021	.020	5.0
Endosulfan I	21.59	21.53	21.67	.019	.020	- 5.0
Dieldrin	23.03	22.97	23.11	.041	.040	2.5
Endrin	24.82	24.76	24.90	.041	.040	2.5
4,4'-DDD	25.62	25.56	25.70	.040	.040	.0
4,4'-DDT	27.20	27.14	27.28	.040	.040	.0
Methoxychlor	32.44	32.39	32.53	.199	.200	- .5
Tetrachloro-m-xylene	9.07	9.03	9.13	.020	.020	.0
Decachlorobiphenyl	41.66	41.58	41.78	.040	.040	.0

EPA Sample No.(INDB): INDBM04 Date Analyzed : 07/06/96

LAB Sample ID (INDB): INDBM04 Time Analyzed : 23:05

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	14.78	14.75	14.85	.019	.020	- 5.0
delta-BHC	16.48	16.39	16.49	.018	.020	-10.0
Aldrin	17.36	17.31	17.41	.019	.020	- 5.0
Heptachlor epoxide	20.02	19.96	20.10	.020	.020	.0
4,4'-DDE	22.83	22.76	22.90	.037	.040	- 7.5
Endosulfan II	25.80	25.74	25.88	.037	.040	- 7.5
Endosulfan Sulfate	28.31	28.25	28.39	.035	.040	-12.5
Endrin ketone	32.77	32.71	32.85	.036	.040	-10.0
Endrin aldehyde	27.61	27.55	27.69	.036	.040	-10.0
alpha-Chlordane	21.52	21.45	21.59	.016	.020	-20.0
gamma-Chlordane	20.78	20.71	20.85	.019	.020	- 5.0
Tetrachloro-m-xylene	9.07	9.03	9.13	.020	.020	.0
Decachlorobiphenyl	41.68	41.58	41.78	.038	.040	- 5.0

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

EPA Sample No.(PIBLK): PIBLK07 Date Analyzed : 07/06/96

LAB Sample ID (PIBLK): PIBLK07 Time Analyzed : 21:11

EPA Sample No.(INDA): INDAM04 Date Analyzed : 07/06/96

LAB Sample ID (INDA): INDAM04 Time Analyzed : 22:08

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.38	13.48	.020	.020	.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.020	.020	.0
Heptachlor	16.30	16.26	16.36	.020	.020	.0
Endosulfan I	21.75	21.69	21.83	.020	.020	.0
Dieldrin	23.40	23.34	23.48	.040	.040	.0
Endrin	24.36	24.30	24.44	.041	.040	2.5
4,4'-DDD	26.54	26.47	26.61	.038	.040	- 5.0
4,4'-DDT	27.43	27.37	27.51	.031	.040	-22.5
Methoxychlor	30.85	30.79	30.93	.180	.200	-10.0
Tetrachloro-m-xylene	9.31	9.26	9.36	.020	.020	.0
Decachlorobiphenyl	38.70	38.61	38.81	.040	.040	.0

EPA Sample No.(INDB): INDBM04 Date Analyzed : 07/06/96

LAB Sample ID (INDB): INDBM04 Time Analyzed : 23:05

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	18.63	18.58	18.68	.018	.020	10.0
delta-BHC	19.70	19.66	19.76	.017	.020	15.0
Aldrin	17.57	17.52	17.62	.018	.020	10.0
Heptachlor epoxide	20.54	20.48	20.62	.019	.020	5.0
4,4'-DDE	22.76	22.70	22.84	.036	.040	10.0
Endosulfan II	26.74	26.68	26.82	.036	.040	10.0
Endosulfan Sulfate	30.59	30.54	30.68	.034	.040	15.0
Endrin ketone	32.94	32.87	33.01	.035	.040	12.5
Endrin aldehyde	28.86	28.80	28.94	.035	.040	12.5
alpha-Chlordane	22.23	22.17	22.31	.018	.020	10.0
gamma-Chlordane	21.98	21.92	22.06	.018	.020	10.0
Tetrachloro-m-xylene	9.31	9.26	9.36	.020	.020	.0
Decachlorobiphenyl	38.72	38.61	38.81	.038	.040	5.0

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK02A Date Analyzed : 07/14/96

LAB Sample ID (PIBLK): PIBLK02A Time Analyzed : 15:36

EPA Sample No.(INDA): INDAM02A Date Analyzed : 07/14/96

LAB Sample ID (INDA): INDAM02A Time Analyzed : 16:31

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.42	12.52	.020	.020	.0
gamma-BHC (Lindane)	14.36	14.31	14.41	.020	.020	.0
Heptachlor	15.85	15.81	15.91	.022	.020	10.0
Endosulfan I	21.59	21.53	21.67	.020	.020	.0
Dieldrin	23.03	22.96	23.10	.041	.040	2.5
Endrin	24.82	24.75	24.89	.041	.040	2.5
4,4'-DDD	25.62	25.55	25.69	.040	.040	.0
4,4'-DDT	27.19	27.13	27.27	.041	.040	2.5
Methoxychlor	32.44	32.37	32.51	.202	.200	1.0
Tetrachloro-m-xylene	9.07	9.03	9.13	.020	.020	.0
Decachlorobiphenyl	41.65	41.56	41.76	.039	.040	- 2.5

EPA Sample No.(INDB): INDBM02A Date Analyzed : 07/14/96

LAB Sample ID (INDB): INDBM02A Time Analyzed : 17:26

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	14.79	14.74	14.84	.021	.020	5.0
delta-BHC	16.48	16.44	16.54	.021	.020	5.0
Aldrin	17.36	17.31	17.41	.020	.020	.0
Heptachlor epoxide	20.02	19.96	20.10	.021	.020	5.0
4,4'-DDE	22.82	22.75	22.89	.041	.040	2.5
Endosulfan II	25.80	25.73	25.87	.041	.040	2.5
Endosulfan Sulfate	28.30	28.24	28.38	.040	.040	.0
Endrin ketone	32.76	32.69	32.83	.041	.040	2.5
Endrin aldehyde	27.60	27.54	27.68	.040	.040	.0
alpha-Chlordane	21.51	21.45	21.59	.020	.020	.0
gamma-Chlordane	20.77	20.70	20.84	.020	.020	.0
Tetrachloro-m-xylene	9.07	9.03	9.13	.021	.020	5.0
Decachlorobiphenyl	41.64	41.56	41.76	.041	.040	2.5

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK02A Date Analyzed : 07/14/96

LAB Sample ID (PIBLK): PIBLK02A Time Analyzed : 15:37

EPA Sample No.(INDA): INDAM02A Date Analyzed : 07/14/96

LAB Sample ID (INDA): INDAM02A Time Analyzed : 16:31

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.37	13.47	.020	.020	.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.020	.020	.0
Heptachlor	16.31	16.26	16.36	.020	.020	.0
Endosulfan I	21.75	21.69	21.83	.020	.020	.0
Dieldrin	23.40	23.33	23.47	.039	.040	- 2.5
Endrin	24.36	24.30	24.44	.041	.040	2.5
4,4'-DDD	26.53	26.45	26.59	.041	.040	2.5
4,4'-DDT	27.43	27.36	27.50	.036	.040	-10.0
Methoxychlor	30.84	30.77	30.91	.201	.200	.5
Tetrachloro-m-xylene	9.31	9.26	9.36	.021	.020	5.0
Decachlorobiphenyl	38.69	38.61	38.81	.040	.040	.0

EPA Sample No.(INDB): INDBM02A Date Analyzed : 07/14/96

LAB Sample ID (INDB): INDBM02A Time Analyzed : 17:26

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	18.62	18.58	18.68	.022	.020	10.0
delta-BHC	19.69	19.65	19.75	.021	.020	5.0
Aldrin	17.57	17.52	17.62	.021	.020	5.0
Heptachlor epoxide	20.54	20.47	20.61	.020	.020	.0
4,4'-DDE	22.75	22.69	22.83	.041	.040	2.5
Endosulfan II	26.74	26.67	26.81	.040	.040	.0
Endosulfan Sulfate	30.59	30.52	30.66	.039	.040	- 2.5
Endrin ketone	32.92	32.86	33.00	.037	.040	- 7.5
Endrin aldehyde	28.85	28.79	28.93	.040	.040	.0
alpha-Chlordane	22.23	22.17	22.31	.020	.020	.0
gamma-Chlordane	21.98	21.91	22.05	.020	.020	.0
Tetrachloro-m-xylene	9.31	9.26	9.36	.021	.020	5.0
Decachlorobiphenyl	38.69	38.61	38.81	.040	.040	.0

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK05A Date Analyzed : 07/15/96

LAB Sample ID (PIBLK): PIBLK05A Time Analyzed : 12:36

EPA Sample No.(INDA): INDAM03A Date Analyzed : 07/15/96

LAB Sample ID (INDA): INDAM03A Time Analyzed : 13:31

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.42	12.52	.020	.020	.0
gamma-BHC (Lindane)	14.36	14.31	14.41	.020	.020	.0
Heptachlor	15.86	15.81	15.91	.021	.020	5.0
Endosulfan I	21.60	21.53	21.67	.021	.020	5.0
Dieldrin	23.03	22.96	23.10	.040	.040	.0
Endrin	24.83	24.75	24.89	.040	.040	.0
4,4'-DDD	25.63	25.55	25.69	.039	.040	- 2.5
4,4'-DDT	27.20	27.13	27.27	.039	.040	- 2.5
Methoxychlor	32.45	32.37	32.51	.195	.200	- 2.5
Tetrachloro-m-xylene	9.07	9.03	9.13	.020	.020	.0
Decachlorobiphenyl	41.66	41.56	41.76	.040	.040	.0

EPA Sample No.(INDB): INDBM03A Date Analyzed : 07/15/96

LAB Sample ID (INDB): INDBM03A Time Analyzed : 14:26

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	14.79	14.74	14.84	.020	.020	.0
delta-BHC	16.49	16.44	16.54	.020	.020	.0
Aldrin	17.36	17.31	17.41	.020	.020	.0
Heptachlor epoxide	20.03	19.96	20.10	.021	.020	5.0
4,4'-DDE	22.83	22.75	22.89	.039	.040	- 2.5
Endosulfan II	25.80	25.73	25.87	.040	.040	.0
Endosulfan Sulfate	28.31	28.24	28.38	.040	.040	.0
Endrin ketone	32.76	32.69	32.83	.040	.040	.0
Endrin aldehyde	27.61	27.54	27.68	.040	.040	.0
alpha-Chlordane	21.52	21.45	21.59	.020	.020	.0
gamma-Chlordane	20.78	20.70	20.84	.020	.020	.0
Tetrachloro-m-xylene	9.07	9.03	9.13	.020	.020	.0
Decachlorobiphenyl	41.67	41.56	41.76	.040	.040	.0

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK05A Date Analyzed : 07/15/96

LAB Sample ID (PIBLK): PIBLK05A Time Analyzed : 12:36

EPA Sample No.(INDA): INDAM03A Date Analyzed : 07/15/96

LAB Sample ID (INDA): INDAM03A Time Analyzed : 13:31

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.37	13.47	.020	.020	.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.021	.020	5.0
Heptachlor	16.31	16.26	16.36	.020	.020	.0
Endosulfan I	21.76	21.69	21.83	.020	.020	.0
Dieldrin	23.41	23.33	23.47	.040	.040	.0
Endrin	24.37	24.30	24.44	.041	.040	2.5
4,4'-DDD	26.54	26.45	26.59	.039	.040	- 2.5
4,4'-DDT	27.44	27.36	27.50	.032	.040	-20.0
Methoxychlor	30.86	30.77	30.91	.187	.200	- 6.5
Tetrachloro-m-xylene	9.31	9.26	9.36	.020	.020	.0
Decachlorobiphenyl	38.72	38.61	38.81	.040	.040	.0

EPA Sample No.(INDB): INDBM03A Date Analyzed : 07/15/96

LAB Sample ID (INDB): INDBM03A Time Analyzed : 14:26

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	18.63	18.58	18.68	.020	.020	.0
delta-BHC	19.70	19.65	19.75	.020	.020	.0
Aldrin	17.58	17.52	17.62	.020	.020	.0
Heptachlor epoxide	20.54	20.47	20.61	.020	.020	.0
4,4'-DDE	22.76	22.69	22.83	.039	.040	- 2.5
Endosulfan II	26.74	26.67	26.81	.040	.040	.0
Endosulfan Sulfate	30.59	30.52	30.66	.038	.040	- 5.0
Endrin ketone	32.93	32.86	33.00	.040	.040	.0
Endrin aldehyde	28.86	28.79	28.93	.039	.040	- 2.5
alpha-Chlordane	22.24	22.17	22.31	.020	.020	.0
gamma-Chlordane	21.98	21.91	22.05	.020	.020	.0
Tetrachloro-m-xylene	9.31	9.26	9.36	.020	.020	.0
Decachlorobiphenyl	38.72	38.61	38.81	.040	.040	.0

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK09A Date Analyzed : 07/16/96

LAB Sample ID (PIBLK): PIBLK09A Time Analyzed : 09:36

EPA Sample No.(INDA): INDAM04A Date Analyzed : 07/16/96

LAB Sample ID (INDA): INDAM04A Time Analyzed : 10:31

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.47	12.42	12.52	.020	.020	.0
gamma-BHC (Lindane)	14.36	14.31	14.41	.020	.020	.0
Heptachlor	15.86	15.81	15.91	.021	.020	5.0
Endosulfan I	21.60	21.53	21.67	.019	.020	- 5.0
Dieldrin	23.03	22.96	23.10	.039	.040	- 2.5
Endrin	24.83	24.75	24.89	.039	.040	- 2.5
4,4'-DDD	25.63	25.55	25.69	.037	.040	- 7.5
4,4'-DDT	27.20	27.13	27.27	.038	.040	- 5.0
Methoxychlor	32.45	32.37	32.51	.191	.200	- 4.5
Tetrachloro-m-xylene	9.08	9.03	9.13	.020	.020	.0
Decachlorobiphenyl	41.67	41.56	41.76	.037	.040	- 7.5

EPA Sample No.(INDB): INDBM04A Date Analyzed : 07/16/96

LAB Sample ID (INDB): INDBM04A Time Analyzed : 11:26

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	14.79	14.74	14.84	.020	.020	.0
delta-BHC	16.49	16.44	16.54	.020	.020	.0
Aldrin	17.36	17.31	17.41	.020	.020	.0
Heptachlor epoxide	20.02	19.96	20.10	.020	.020	.0
4,4'-DDE	22.82	22.75	22.89	.039	.040	- 2.5
Endosulfan II	25.80	25.73	25.87	.038	.040	- 5.0
Endosulfan Sulfate	28.31	28.24	28.38	.039	.040	- 2.5
Endrin ketone	32.76	32.69	32.83	.039	.040	- 2.5
Endrin aldehyde	27.61	27.54	27.68	.038	.040	- 5.0
alpha-Chlordane	21.52	21.45	21.59	.020	.020	.0
gamma-Chlordane	20.78	20.70	20.84	.020	.020	.0
Tetrachloro-m-xylene	9.07	9.03	9.13	.020	.020	.0
Decachlorobiphenyl	41.66	41.56	41.76	.039	.040	- 2.5

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK09A Date Analyzed : 07/16/96

LAB Sample ID (PIBLK): PIBLK09A Time Analyzed : 09:36

EPA Sample No.(INDA): INDAM04A Date Analyzed : 07/16/96

LAB Sample ID (INDA): INDAM04A Time Analyzed : 10:31

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.43	13.37	13.47	.020	.020	.0
gamma-BHC (Lindane)	15.27	15.22	15.32	.020	.020	.0
Heptachlor	16.31	16.26	16.36	.020	.020	.0
Endosulfan I	21.76	21.69	21.83	.020	.020	.0
Dieldrin	23.41	23.33	23.47	.039	.040	- 2.5
Endrin	24.37	24.30	24.44	.039	.040	- 2.5
4,4'-DDD	26.54	26.45	26.59	.037	.040	- 7.5
4,4'-DDT	27.44	27.36	27.50	.033	.040	-17.5
Methoxychlor	30.85	30.77	30.91	.200	.200	.0
Tetrachloro-m-xylene	9.31	9.26	9.36	.020	.020	.0
Decachlorobiphenyl	38.71	38.61	38.81	.039	.040	- 2.5

EPA Sample No.(INDB): INDBM04A Date Analyzed : 07/16/96

LAB Sample ID (INDB): INDBM04A Time Analyzed : 11:26

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	18.62	18.58	18.68	.021	.020	5.0
delta-BHC	19.70	19.65	19.75	.020	.020	.0
Aldrin	17.57	17.52	17.62	.020	.020	.0
Heptachlor epoxide	20.54	20.47	20.61	.020	.020	.0
4,4'-DDE	22.76	22.69	22.83	.039	.040	- 2.5
Endosulfan II	26.74	26.67	26.81	.039	.040	- 2.5
Endosulfan Sulfate	30.59	30.52	30.66	.038	.040	- 5.0
Endrin ketone	32.93	32.86	33.00	.036	.040	-10.0
Endrin aldehyde	28.85	28.79	28.93	.038	.040	- 5.0
alpha-Chlordane	22.23	22.17	22.31	.020	.020	.0
gamma-Chlordane	21.98	21.91	22.05	.019	.020	- 5.0
Tetrachloro-m-xylene	9.31	9.26	9.36	.021	.020	5.0
Decachlorobiphenyl	38.71	38.61	38.81	.039	.040	- 2.5

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK13A Date Analyzed : 07/17/96

LAB Sample ID (PIBLK): PIBLK13A Time Analyzed : 17:52

EPA Sample No.(INDA): INDAM05A Date Analyzed : 07/17/96

LAB Sample ID (INDA): INDAM05A Time Analyzed : 18:47

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.46	12.42	12.52	.021	.020	5.0
gamma-BHC (Lindane)	14.35	14.31	14.41	.020	.020	.0
Heptachlor	15.84	15.81	15.91	.025	.020	25.0
Endosulfan I	21.58	21.53	21.67	.020	.020	.0
Dieldrin	23.02	22.96	23.10	.040	.040	.0
Endrin	24.80	24.75	24.89	.040	.040	.0
4,4'-DDD	25.60	25.55	25.69	.038	.040	5.0
4,4'-DDT	27.19	27.13	27.27	.040	.040	.0
Methoxychlor	32.43	32.37	32.51	.197	.200	1.5
Tetrachloro-m-xylene	9.07	9.03	9.13	.021	.020	5.0
Decachlorobiphenyl	41.62	41.56	41.76	.038	.040	5.0

EPA Sample No.(INDB): INDBM05A Date Analyzed : 07/17/96

LAB Sample ID (INDB): INDBM05A Time Analyzed : 19:42

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	14.77	14.74	14.84	.020	.020	.0
delta-BHC	16.47	16.44	16.54	.021	.020	5.0
Aldrin	17.34	17.31	17.41	.020	.020	.0
Heptachlor epoxide	20.01	19.96	20.10	.020	.020	.0
4,4'-DDE	22.80	22.75	22.89	.039	.040	2.5
Endosulfan II	25.79	25.73	25.87	.039	.040	2.5
Endosulfan Sulfate	28.29	28.24	28.38	.039	.040	2.5
Endrin ketone	32.74	32.69	32.83	.039	.040	2.5
Endrin aldehyde	27.59	27.54	27.68	.039	.040	2.5
alpha-Chlordane	21.50	21.45	21.59	.020	.020	.0
gamma-Chlordane	20.76	20.70	20.84	.020	.020	.0
Tetrachloro-m-xylene	9.07	9.03	9.13	.021	.020	5.0
Decachlorobiphenyl	41.63	41.56	41.76	.039	.040	2.5

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

EPA Sample No.(PIBLK): PIBLK13A Date Analyzed : 07/17/96

LAB Sample ID (PIBLK): PIBLK13A Time Analyzed : 17:52

EPA Sample No.(INDA): INDAM05A Date Analyzed : 07/17/96

LAB Sample ID (INDA): INDAM05A Time Analyzed : 18:47

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	13.42	13.37	13.47	.020	.020	.0
gamma-BHC (Lindane)	15.26	15.22	15.32	.020	.020	.0
Heptachlor	16.29	16.26	16.36	.021	.020	5.0
Endosulfan I	21.74	21.69	21.83	.020	.020	.0
Dieldrin	23.38	23.33	23.47	.039	.040	2.5
Endrin	24.35	24.30	24.44	.040	.040	.0
4,4'-DDD	26.51	26.45	26.59	.044	.040	10.0
4,4'-DDT	27.41	27.36	27.50	.042	.040	5.0
Methoxychlor	30.83	30.77	30.91	.218	.200	9.0
Tetrachloro-m-xylene	9.30	9.26	9.36	.020	.020	.0
Decachlorobiphenyl	38.67	38.61	38.81	.040	.040	.0

EPA Sample No.(INDB): INDBM05A Date Analyzed : 07/17/96

LAB Sample ID (INDB): INDBM05A Time Analyzed : 19:42

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	18.61	18.58	18.68	.021	.020	5.0
delta-BHC	19.68	19.65	19.75	.020	.020	.0
Aldrin	17.56	17.52	17.62	.020	.020	.0
Heptachlor epoxide	20.53	20.47	20.61	.020	.020	.0
4,4'-DDE	22.73	22.69	22.83	.040	.040	.0
Endosulfan II	26.72	26.67	26.81	.040	.040	.0
Endosulfan Sulfate	30.56	30.52	30.66	.039	.040	2.5
Endrin ketone	32.90	32.86	33.00	.040	.040	.0
Endrin aldehyde	28.83	28.79	28.93	.040	.040	.0
alpha-Chlordane	22.23	22.17	22.31	.020	.020	.0
gamma-Chlordane	21.97	21.91	22.05	.020	.020	.0
Tetrachloro-m-xylene	9.30	9.26	9.36	.020	.020	.0
Decachlorobiphenyl	38.68	38.61	38.81	.039	.040	2.5

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.08 DCB: 41.68

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESC01	RESC01	07/01/96	13:49	9.08	41.69
02	PEM01	PEM01	07/01/96	14:46	9.08	41.68
03	AR166001	AR166001	07/01/96	15:43	9.08	41.68
04	AR122101	AR122101	07/01/96	16:40	9.08	41.68
05	AR123201	AR123201	07/01/96	17:37	9.08	41.68
06	AR124201	AR124201	07/01/96	18:34	9.08	41.68
07	AR124801	AR124801	07/01/96	19:30	9.08	41.68
08	AR15401	AR125401	07/01/96	20:27	9.08	41.67
09	TOXAPH01	TOXAPH01	07/01/96	21:23	9.07	41.68
10	INDAL01	INDAL01	07/01/96	22:20	9.07	41.68
11	INDBL01	INDBL01	07/01/96	23:16	9.07	41.68
12	INDAM01	INDAM01	07/02/96	00:13	9.08	41.68
13	INDBM01	INDBM01	07/02/96	01:09	9.08	41.68
14	INDAH01	INDAH01	07/02/96	02:06	9.08	41.68
15	INDBH01	INDBH01	07/02/96	03:03	9.08	41.68
16	PIBLK01	PIBLK01	07/02/96	04:00	9.08	41.70
17	PEM02	PEM02	07/02/96	04:57	9.08	41.69
18	ZZZZZ		07/02/96	08:45	9.08	41.68
19	ZZZZZ		07/02/96	09:42	9.08	41.67
20	ZZZZZ		07/02/96	10:39	9.08	41.67
21	ZZZZZ		07/02/96	11:36	9.07	41.65
22	ZZZZZ		07/02/96	12:33	9.07	41.65
23	ZZZZZ		07/02/96	13:30	9.07	41.66
24	PIBLK02	PIBLK02	07/02/96	14:27	9.07	41.66
25	INDAM02	INDAM02	07/02/96	15:24	9.07	41.66
26	INDBM02	INDBM02	07/02/96	16:21	9.07	41.67
27	ZZZZZ		07/02/96	17:18	9.07	41.66
28	ZZZZZ		07/02/96	18:15	9.07	41.65
29	ZZZZZ		07/02/96	19:12	9.07	41.67
30	ZZZZZ		07/02/96	20:09	9.07	41.66
31	ZZZZZ		07/02/96	21:06	9.07	41.65
32	ZZZZZ		07/02/96	22:04	9.07	41.66

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.08 DCB: 41.68

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ZZZZZ		07/02/96	23:00	9.07	41.66
02	ZZZZZ		07/02/96	23:57	9.07	41.67
03	PIBLK03	PIBLK03	07/03/96	00:53	9.08	41.68
04	PEM03	PEM03	07/03/96	01:50	9.08	41.68
05	ZZZZZ		07/03/96	02:47	9.08	41.68
06	ZZZZZ		07/03/96	03:43	9.08	41.68
07	ZZZZZ		07/03/96	04:40	9.08	41.68
08	ZZZZZ		07/03/96	05:37	9.08	41.68
09	ZZZZZ		07/03/96	06:34	9.08	41.68
10	ZZZZZ		07/03/96	07:32	9.08	41.68
11	ZZZZZ		07/03/96	08:29	9.08	41.68
12	ZZZZZ		07/03/96	09:25	9.08	41.68
13	PIBLK04	PIBLK04	07/03/96	10:22	9.08	41.69
14	INDAM03	INDAM03	07/03/96	13:03	9.07	41.69
15	INDBM03	INDBM03	07/03/96	14:00	9.08	41.70
16	ZZZZZ		07/03/96	18:40	9.08	41.68
17	ZZZZZ		07/03/96	19:36	9.08	41.68
18	ZZZZZ		07/03/96	20:32	9.08	41.68
19	ZZZZZ		07/03/96	21:28	9.08	41.68
20	ZZZZZ		07/03/96	22:24	9.08	*
21	ZZZZZ		07/03/96	23:20	9.08	41.68
22	PIBLK05	PIBLK05	07/04/96	00:16	9.08	41.69
23	PEM04	PEM04	07/04/96	01:12	9.08	41.69
24	PIBLK06	PIBLK06	07/06/96	11:41	9.07	41.66
25	PEM05	PEM05	07/06/96	12:38	9.07	41.67
26	PBLK34	PBLK34	07/06/96	13:35	9.07	41.66
27	ZZZZZ		07/06/96	14:32	9.07	41.66
28	ZZZZZ		07/06/96	15:29	9.07	41.66
29	ZZZZZ		07/06/96	16:26	9.07	41.66
30	RIN2B	238930	07/06/96	17:23	9.07	41.66
31	RIN2BMS	238930	07/06/96	18:20	9.07	41.66
32	RIN2BMSD	238930	07/06/96	19:17	9.07	41.66

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.08 DCB: 41.68

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ZZZZZ		07/06/96	20:14	9.07	41.64
02	PIBLK07	PIBLK07	07/06/96	21:11	9.07	41.66
03	INDAM04	INDAM04	07/06/96	22:08	9.07	41.66
04	INDBM04	INDBM04	07/06/96	23:05	9.07	41.68
05	ZZZZZ		07/07/96	00:02	9.07	41.64
06	ZZZZZ		07/07/96	00:59	9.07	41.76
07	ZZZZZ		07/07/96	01:55	9.07	41.66
08	ZZZZZ		07/07/96	02:52	9.07	41.65
09	ZZZZZ		07/07/96	03:48	9.07	41.65
10	ZZZZZ		07/07/96	04:45	9.07	41.65
11	PIBLK08	PIBLK08	07/07/96	05:41	9.07	41.66
12	PIBLK09	PIBLK09	07/07/96	06:38	9.07	41.67
13	PIBLK10	PIBLK10	07/07/96	07:35	9.07	41.67
14	PEM06	PEM06	07/07/96	08:32	9.07	41.67
15	PIBLK11	PIBLK11	07/09/96	13:17	9.09	41.68
16	PEM07	PEM07	07/09/96	14:09	9.09	41.68
17	AR125402	AR125402	07/09/96	15:00	9.10	41.68
18	ZZZZZ		07/09/96	15:52	9.09	41.66
19	ZZZZZ		07/09/96	16:45	9.08	41.63
20	ZZZZZ		07/09/96	17:37	9.08	41.64
21	ZZZZZ		07/09/96	18:29	9.09	41.68
22	ZZZZZ		07/09/96	19:21	9.08	41.63
23	ZZZZZ		07/09/96	20:13	9.08	41.67
24	ZZZZZ		07/09/96	21:05	*	41.67
25	ZZZZZ		07/09/96	21:56	*	41.67
26	PIBLK12	PIBLK12	07/09/96	22:48	9.09	41.67
27	INDAM05	INDAM05	07/09/96	23:40	9.07	41.60
28	INDBM05	INDBM05	07/10/96	00:31	9.07	41.61
29	ZZZZZ		07/10/96	01:23	*	41.68
30	ZZZZZ		07/10/96	02:14	*	41.68
31	ZZZZZ		07/10/96	03:06	*	41.68
32	ZZZZZ		07/10/96	03:58	*	*

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.08 DCB: 41.66

	EPA SAMPLE NO.		LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESC01		RESC01	07/13/96	14:40	9.07	41.65
02	PEM01		PEM01	07/13/96	15:35	9.07	41.66
03	AR166001		AR166001	07/13/96	16:30	9.07	41.65
04	AR122101		AR122101	07/13/96	17:26	9.07	41.66
05	AR123201		AR123201	07/13/96	18:21	9.07	41.66
06	AR124201		AR124201	07/13/96	19:16	9.08	41.65
07	AR124801		AR124801	07/13/96	20:11	9.07	41.66
08	AR125401		AR125401	07/13/96	21:06	9.07	41.66
09	TOXAPH01		TOXAPH01	07/13/96	22:00	9.08	41.66
10	INDAL01		INDAL01	07/13/96	22:55	9.07	41.66
11	INDBL01		INDBL01	07/13/96	23:50	9.08	41.66
12	INDAM01		INDAM01	07/14/96	00:44	9.08	41.66
13	INDBM01		INDBM01	07/14/96	01:39	9.08	41.66
14	INDAH01		INDAH01	07/14/96	02:33	9.07	41.65
15	INDBH01		INDBH01	07/14/96	03:28	9.07	41.65
16	PIBLK01		PIBLK01	07/14/96	04:22	9.08	41.66
17	PEM02		PEM02	07/14/96	05:17	9.08	41.66
18	PBLK43		PBLK43	07/14/96	06:11	9.07	41.65
19	ZZZZZ			07/14/96	07:06	9.06	41.66
20	SS20	DL	238924	07/14/96	08:01	*	*
21	S21	DL	238925	07/14/96	08:56	*	*
22	ZZZZZ			07/14/96	09:51	9.07	41.67
23	S19	DL	238921	07/14/96	10:45	*	*
24	SS18		238920	07/14/96	11:40	9.07	41.62
25	SS16	DL	238916	07/14/96	12:52	9.08	41.59
26	S17	DL	238917	07/14/96	13:47	9.07	41.73
27	SS13	DL	238910	07/14/96	14:42	9.07	*
28	PIBLK02		PIBLK02	07/14/96	15:36	9.07	41.67
29	INDAM02		INDAM02	07/14/96	16:31	9.07	41.65
30	INDBM02		INDBM02	07/14/96	17:26	9.07	41.64
31	S13	DL	238909	07/14/96	18:20	9.07	41.62
32	S14	DL	238911	07/14/96	19:15	9.07	41.64

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.08 DCB: 41.66

	EPA SAMPLE NO.		LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	#	DCB RT	#
01	S16	DL	238915	07/14/96	20:09	9.07		41.61	
02	ZZZZZ			07/14/96	21:03	9.07		41.62	
03	ZZZZZ			07/14/96	21:58	9.07		41.64	
04	S20	DL	238923	07/14/96	22:52	9.07		41.64	
05	ZZZZZ			07/14/96	23:47	9.07		41.60	
06	ZZZZZ			07/15/96	00:43	9.06		41.61	
07	SS17	DL	238918	07/15/96	01:37	9.07		41.62	
08	PIBLK03		PIBLK03	07/15/96	02:32	9.07		41.64	
09	PEM03		PEM03	07/15/96	03:26	9.07		41.64	
10	SS14	DL	238912	07/15/96	04:21	9.07		41.62	
11	ZZZZZ			07/15/96	05:16	9.06			*
12	SS19	DL	238922	07/15/96	06:11		*		*
13	SS19		238922	07/15/96	07:06		*		*
14	SS20		238924	07/15/96	08:01		*		*
15	S21		238925	07/15/96	08:56	9.07		41.64	
16	ZZZZZ			07/15/96	09:51	9.07		41.65	
17	ZZZZZ			07/15/96	10:46	9.07		41.63	
18	PIBLK04		PIBLK04	07/15/96	11:41	9.07		41.66	
19	PIBLK05		PIBLK05	07/15/96	12:36	9.07		41.67	
20	INDAM03		INDAM03	07/15/96	13:31	9.07		41.66	
21	INDBM03		INDBM03	07/15/96	14:26	9.07		41.67	
22	ZZZZZ			07/15/96	15:21	9.07		41.60	
23	PBLK33		PBLK33	07/15/96	16:16	9.07		41.65	
24	S15		238913	07/15/96	17:12	9.08		41.62	
25	SS15	DL	238914	07/15/96	18:07	9.07		41.63	
26	S18	DL	238919	07/15/96	19:01	9.07		41.53	*
27	ZZZZZ			07/15/96	19:56	9.06		41.63	
28	S22	DL	238927	07/15/96	20:51	9.07		41.63	
29	ZZZZZ			07/15/96	21:45	9.07		41.64	
30	PIBLK06		PIBLK06	07/15/96	22:40	9.07		41.67	
31	PIBLK07		PIBLK07	07/15/96	23:36	9.08		41.67	
32	PEM04		PEM04	07/16/96	00:31	9.08		41.68	

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.08 DCB: 41.66

	EPA SAMPLE NO.		LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	#	DCB RT	#
01	S28	DL	238931	07/16/96	01:25	9.08		41.64	
02	ZZZZZ			07/16/96	02:20	9.08			*
03	S13		238909	07/16/96	03:15	9.08		41.59	
04	SS13		238910	07/16/96	04:09	9.08		41.77	*
05	S14		238911	07/16/96	05:04	9.08		41.65	
06	SS14		238912	07/16/96	05:59	9.07		41.64	
07	S16		238915	07/16/96	06:54	9.08		41.63	
08	SS16		238916	07/16/96	07:50	9.07		41.63	
09	ZZZZZ			07/16/96	09:20		*		*
10	PIBLK09		PIBLK09	07/16/96	09:36	9.08		41.68	
11	INDAM04		INDAM04	07/16/96	10:31	9.08		41.67	
12	INDBM04		INDBM04	07/16/96	11:26	9.07		41.66	
13	SS21	DL	238926	07/16/96	12:21	9.06			*
14	SS28		238932	07/16/96	13:16	9.07		41.63	
15	SS22	DL	238928	07/16/96	14:11		*		*
16	S15	DL	238913	07/16/96	15:06	9.08		41.65	
17	SS17		238918	07/16/96	16:01	9.07		41.62	
18	S19		238921	07/16/96	16:56	9.07			*
19	S20		238923	07/16/96	17:51	9.07		41.61	
20	PIBLK10		PIBLK10	07/16/96	18:47	9.07		41.63	
21	PIBLK11		PIBLK11	07/16/96	19:42	9.07		41.64	
22	PEM05		PEM05	07/16/96	20:37	9.07		41.64	
23	PIBLK12		PIBLK12	07/17/96	07:39	9.07		41.64	
24	PEM06		PEM06	07/17/96	08:41	9.07		41.63	
✓25	AR125402		AR125402	07/17/96	09:36	9.07		41.66	
26	ZZZZZ			07/17/96	10:31	9.06		41.62	
27	ZZZZZ			07/17/96	11:26	9.06			*
28	ZZZZZ			07/17/96	12:21	9.07		41.63	
29	ZZZZZ			07/17/96	13:16	9.07		41.63	
30	S17		238917	07/17/96	14:11	9.07		41.58	
31	SS21		238926	07/17/96	15:06	9.05			*
32	SS22		238927	07/17/96	16:01	9.07		41.58	

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.08 DCB: 41.66

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	S281	238931	07/17/96	16:57	9.07	41.58
02	PIBLK13	PIBLK13	07/17/96	17:52	9.07	41.61
03	INDAM05	INDAM05	07/17/96	18:47	9.07	41.62
04	INDBM05	INDBM05	07/17/96	19:42	9.07	41.63
05	S18	238919	07/17/96	20:37	9.06	41.47 *
06	SS15	238914	07/17/96	21:32	9.06	41.58
07	SS28	238928	07/17/96	22:26	9.06	*
08	SS15 MS	238914	07/17/96	23:21	9.06	41.61
09	SS15 MSD	238914	07/18/96	00:15	9.06	41.61
10	S15 MS	238913	07/18/96	01:10	9.07	*
11	S15 MSD	238913	07/18/96	02:05	9.07	*
12	PIBLK14	PIBLK14	07/18/96	02:59	9.07	41.65
13	PIBLK15	PIBLK15	07/18/96	03:54	9.07	41.65
14	PEM07	PEM07	07/18/96	04:48	9.07	41.65
15	ZZZZZ		07/22/96	07:33	9.05	41.60
16	PIBLK16	PIBLK16	07/22/96	08:28	9.07	41.61
17	PEM08	PEM08	07/22/96	09:23	9.07	41.61
18	ZZZZZ		07/22/96	10:46	9.06	41.60
19	ZZZZZ		07/22/96	11:42	9.07	41.61
20	ZZZZZ		07/22/96	12:36	9.07	41.60
21	ZZZZZ		07/22/96	13:31	9.05	41.59
22	ZZZZZ		07/22/96	14:42	9.06	41.60
23	ZZZZZ		07/22/96	15:37	9.07	41.61
24	AR125403	AR125403	07/22/96	16:33	9.07	41.61
25	PIBLK17	PIBLK17	07/22/96	17:28	9.06	41.61
26	INDAM06	INDAM06	07/22/96	18:23	9.06	41.60
27	INDBM06	INDBM06	07/22/96	19:18	9.06	41.61
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.31 DCB: 38.71

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESC01	RESC01	07/01/96	13:49	9.32	38.72
02	PEM01	PEM01	07/01/96	14:46	9.32	38.70
03	AR166001	AR166001	07/01/96	15:43	9.32	38.72
04	AR122101	AR122101	07/01/96	16:40	9.32	38.71
05	AR123201	AR123201	07/01/96	17:36	9.32	38.71
06	AR124201	AR124201	07/01/96	18:33	9.31	38.70
07	AR124801	AR124801	07/01/96	19:30	9.31	38.71
08	AR125401	AR125401	07/01/96	20:27	9.31	38.71
09	TOXAPH01	TOXAPH01	07/01/96	21:23	9.31	38.71
10	INDAL01	INDAL01	07/01/96	22:20	9.31	38.71
11	INDBL01	INDBL01	07/01/96	23:16	9.31	38.72
12	INDAM01	INDAM01	07/02/96	00:13	9.31	38.71
13	INDBM01	INDBM01	07/02/96	01:09	9.32	38.72
14	INDAH01	INDAH01	07/02/96	02:06	9.32	38.71
15	INDBH01	INDBH01	07/02/96	03:03	9.32	38.71
16	PIBLK01	PIBLK01	07/02/96	04:00	9.32	38.73
17	PEM02	PEM02	07/02/96	04:57	9.32	38.73
18	ZZZZZ		07/02/96	08:45	9.32	38.72
19	ZZZZZ		07/02/96	09:42	9.32	38.70
20	ZZZZZ		07/02/96	10:39	9.31	38.70
21	ZZZZZ		07/02/96	11:36	9.31	38.68
22	ZZZZZ		07/02/96	12:33	9.30	38.68
23	ZZZZZ		07/02/96	13:30	9.30	38.69
24	PIBLK02	PIBLK02	07/02/96	14:27	9.31	38.71
25	INDAM02	INDAM02	07/02/96	15:24	9.31	38.69
26	INDBM02	INDBM02	07/02/96	16:21	9.31	38.71
27	ZZZZZ		07/02/96	17:18	9.31	38.69
28	ZZZZZ		07/02/96	18:15	9.31	38.68
29	ZZZZZ		07/02/96	19:12	9.31	38.70
30	ZZZZZ		07/02/96	20:09	9.31	38.69
31	ZZZZZ		07/02/96	21:06	9.31	38.67
32	ZZZZZ		07/02/96	22:03	9.30	38.68

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.31 DCB: 38.71

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ZZZZZ		07/02/96	23:00	9.30	38.68
02	ZZZZZ		07/02/96	23:56	9.30	38.70
03	PIBLK03	PIBLK03	07/03/96	00:53	9.31	38.72
04	PEM03	PEM03	07/03/96	01:50	9.31	38.72
05	ZZZZZ		07/03/96	02:47	9.31	38.69
06	ZZZZZ		07/03/96	03:43	9.31	38.71
07	ZZZZZ		07/03/96	04:40	9.32	38.71
08	ZZZZZ		07/03/96	05:37	9.32	38.71
09	ZZZZZ		07/03/96	06:34	9.32	38.70
10	ZZZZZ		07/03/96	07:31	9.32	38.72
11	ZZZZZ		07/03/96	08:29	9.32	38.71
12	ZZZZZ		07/03/96	09:25	9.32	38.70
13	PIBLK04	PIBLK04	07/03/96	10:22	9.32	38.73
14	INDAM03	INDAM03	07/03/96	13:03	9.32	38.72
15	INDBM03	INDBM03	07/03/96	13:59	9.32	38.73
16	ZZZZZ		07/03/96	18:40	9.32	38.72
17	ZZZZZ		07/03/96	19:36	9.32	38.71
18	ZZZZZ		07/03/96	20:32	9.32	38.73
19	ZZZZZ		07/03/96	21:28	9.32	38.69
20	ZZZZZ		07/03/96	23:04	9.31	38.70
21	ZZZZZ		07/03/96	23:20	9.31	38.70
22	PIBLK05	PIBLK05	07/04/96	00:16	9.31	38.73
23	PEM04	PEM04	07/04/96	01:12	9.32	38.73
24	PIBLK06	PIBLK06	07/06/96	11:41	9.31	38.69
25	PEM05	PEM05	07/06/96	12:38	9.31	38.70
26	PBLK34	PBLK34	07/06/96	13:35	9.31	38.70
27	ZZZZZ		07/06/96	14:32	9.31	38.69
28	ZZZZZ		07/06/96	15:29	9.31	38.70
29	ZZZZZ		07/06/96	16:26	9.30	38.69
30	RIN2B	238930	07/06/96	17:23	9.31	38.69
31	RIN2BMS	238930	07/06/96	18:20	9.30	38.70
32	RIN2BMSD	238930	07/06/96	19:17	9.30	38.69

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/01/96 07/02/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.31 DCB: 38.71

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	ZZZZZ		07/06/96	20:14	9.30	38.68
02	PIBLK07	PIBLK07	07/06/96	21:11	9.31	38.72
03	INDAM04	INDAM04	07/06/96	22:08	9.31	38.70
04	INDBM04	INDBM04	07/06/96	23:05	9.31	38.72
05	ZZZZZ		07/07/96	00:01	9.31	38.67
06	ZZZZZ		07/07/96	00:59	9.30	38.68
07	ZZZZZ		07/07/96	01:55	9.30	38.68
08	ZZZZZ		07/07/96	02:52	9.29	38.69
09	ZZZZZ		07/07/96	03:48	9.30	38.68
10	ZZZZZ		07/07/96	04:45	9.30	38.68
11	PIBLK08	PIBLK08	07/07/96	05:41	9.30	38.69
12	PIBLK09	PIBLK09	07/07/96	06:38	9.30	38.70
13	PIBLK10	PIBLK10	07/07/96	07:35	9.30	38.70
14	PEM06	PEM06	07/07/96	08:32	9.30	38.70
15	PIBLK11	PIBLK11	07/09/96	13:17	9.32	38.72
16	PEM07	PEM07	07/09/96	14:09	9.31	38.73
17	AR125402	AR125402	07/09/96	15:00	9.30	38.72
18	ZZZZZ		07/09/96	15:52	9.30	38.69
19	ZZZZZ		07/09/96	16:45	9.30	38.69
20	ZZZZZ		07/09/96	17:37	9.30	38.69
21	ZZZZZ		07/09/96	18:29	9.30	38.69
22	ZZZZZ		07/09/96	19:21	9.30	38.68
23	ZZZZZ		07/09/96	20:13	9.30	38.69
24	ZZZZZ		07/09/96	21:05	*	38.70
25	ZZZZZ		07/09/96	21:56	*	*
26	PIBLK12	PIBLK12	07/09/96	22:48	9.30	38.70
27	INDAM05	INDAM05	07/09/96	23:40	9.30	38.69
28	INDBM05	INDBM05	07/10/96	00:31	9.31	38.70
29	ZZZZZ		07/10/96	01:23	*	38.70
30	ZZZZZ		07/10/96	02:14	*	38.71
31	ZZZZZ		07/10/96	03:06	*	38.70
32	ZZZZZ		07/10/96	03:58	*	38.70

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.31 DCB: 38.71

	EPA SAMPLE NO.		LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	#	DCB RT	#
01	RESC01		RESC01	07/13/96	14:40	9.31		38.70	
02	PEM01		PEM01	07/13/96	15:35	9.31		38.69	
03	AR166001		AR166001	07/13/96	16:30	9.31		38.70	
04	AR122101		AR122101	07/13/96	17:26	9.31		38.70	
05	AR123201		AR123201	07/13/96	18:21	9.31		38.71	
06	AR124201		AR124201	07/13/96	19:16	9.31		38.71	
07	AR124801		AR124801	07/13/96	20:11	9.31		38.70	
08	AR125401		AR125401	07/13/96	21:06	9.31		38.71	
09	TOXAPH01		TOXAPH01	07/13/96	22:00	9.31		38.70	
10	INDAL01		INDAL01	07/13/96	22:55	9.31		38.71	
11	INDBL01		INDBL01	07/13/96	23:50	9.31		38.71	
12	INDAM01		INDAM01	07/14/96	00:44	9.31		38.71	
13	INDBM01		INDBM01	07/14/96	01:39	9.31		38.71	
14	INDAH01		INDAH01	07/14/96	02:33	9.31		38.70	
15	INDBH01		INDBH01	07/14/96	03:28	9.31		38.69	
16	PIBLK01		PIBLK01	07/14/96	04:22	9.31		38.72	
17	PEM02		PEM02	07/14/96	05:17	9.31		38.71	
18	PBLK43		PBLK43	07/14/96	06:12	9.31		38.69	
19	ZZZZZ			07/14/96	07:06		*	38.70	
20	SS20	DL	238924	07/14/96	08:01		*		*
21	S21	DL	238925	07/14/96	08:56		*		*
22	ZZZZZ			07/14/96	09:51		*		*
23	S19	DL	238921	07/14/96	10:45		*		*
24	SS18		238920	07/14/96	11:40	9.32		38.68	
25	SS16	DL	238916	07/14/96	12:52	9.32		38.71	
26	S17	DL	238917	07/14/96	13:47	9.32		38.75	
27	SS13	DL	238910	07/14/96	14:42	9.31			*
28	PIBLK02		PIBLK02	07/14/96	15:37	9.31		38.72	
29	INDAM02		INDAM02	07/14/96	16:31	9.31		38.69	
30	INDBM02		INDBM02	07/14/96	17:26	9.31		38.69	
31	S13	DL	238909	07/14/96	18:20	9.30		38.69	
32	S14	DL	238911	07/14/96	19:15	9.30		38.67	

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.31 DCB: 38.71

	EPA SAMPLE NO.		LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	#	DCB RT	#
01	S16	DL	238915	07/14/96	20:09	9.30		38.66	
02	ZZZZZ			07/14/96	21:03	9.30		38.68	
03	ZZZZZ			07/14/96	21:58	9.30		38.68	
04	S20	DL	238923	07/14/96	22:52	9.30		38.68	
05	ZZZZZ			07/14/96	23:48	9.31		38.66	
06	ZZZZZ			07/15/96	00:43	9.32		38.67	
07	SS17	DL	238918	07/15/96	01:37	9.30		38.66	
08	PIBLK03		PIBLK03	07/15/96	02:32	9.30		38.70	
09	PEM03		PEM03	07/15/96	03:26	9.30		38.70	
10	SS14	DL	238912	07/15/96	04:21	9.32		38.67	
11	ZZZZZ			07/15/96	05:16	9.32		38.65	
12	SS19	DL	238922	07/15/96	06:11		*		*
13	SS19		238922	07/15/96	07:06		*	38.68	
14	SS20		238924	07/15/96	08:01		*		*
15	S21		238925	07/15/96	08:56	9.30		38.68	
16	ZZZZZ			07/15/96	09:51	9.31		38.68	
17	ZZZZZ			07/15/96	10:46	9.31		38.68	
18	PIBLK04		PIBLK04	07/15/96	11:41	9.31		38.73	
19	PIBLK05		PIBLK05	07/15/96	12:36	9.31		38.73	
20	INDAM03		INDAM03	07/15/96	13:31	9.31		38.72	
21	INDBM03		INDBM03	07/15/96	14:26	9.31		38.72	
22	ZZZZZ			07/15/96	15:21	9.32		38.67	
23	PBLK33		PBLK33	07/15/96	16:17	9.31		38.69	
24	S15		238913	07/15/96	17:12	9.32		38.68	
25	SS15	DL	238914	07/15/96	18:07	9.32		38.68	
26	S18	DL	238919	07/15/96	19:02	9.32		38.68	
27	ZZZZZ			07/15/96	19:56	9.51	*	38.68	
28	S22	DL	238927	07/15/96	20:51	9.31		38.68	
29	ZZZZZ			07/15/96	21:45	9.31		38.68	
30	PIBLK06		PIBLK06	07/15/96	22:41	9.31		38.73	
31	PIBLK07		PIBLK07	07/15/96	23:36	9.32		38.73	
32	PEM04		PEM04	07/16/96	00:31	9.32		38.73	

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.31 DCB: 38.71

	EPA SAMPLE NO.		LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	S28	DL	238931	07/16/96	01:26	9.32	38.69
02	ZZZZZ			07/16/96	02:20	9.32	*
03	S13		238909	07/16/96	03:15	9.32	38.69
04	SS13		238910	07/16/96	04:10	9.32	38.69
05	S14		238911	07/16/96	05:04	9.32	38.69
06	SS14		238912	07/16/96	05:59	9.31	38.68
07	S16		238915	07/16/96	06:55	9.31	38.68
08	SS16		238916	07/16/96	07:50	9.31	38.68
09	ZZZZZ			07/16/96	08:45	9.31	38.73
10	PIBLK09		PIBLK09	07/16/96	09:36	9.32	38.73
11	INDAM04		INDAM04	07/16/96	10:31	9.31	38.71
12	INDBM04		INDBM04	07/16/96	11:26	9.31	38.71
13	SS21	DL	238926	07/16/96	12:21	9.12 *	*
14	SS28		238932	07/16/96	13:16	9.31	38.67
15	SS22	DL	238928	07/16/96	14:11	*	38.72
16	S15	DL	238913	07/16/96	15:07	9.31	*
17	SS17		238918	07/16/96	16:02	9.30	38.66
18	S19		238921	07/16/96	16:57	9.30	*
19	S20		238923	07/16/96	17:52	9.30	38.66
20	PIBLK10		PIBLK10	07/16/96	18:47	9.30	38.70
21	PIBLK11		PIBLK11	07/16/96	19:42	9.30	38.70
22	PEM05		PEM05	07/16/96	20:37	9.30	38.69
23	PIBLK12		PIBLK12	07/17/96	07:39	9.32	38.68
24	PEM06		PEM06	07/17/96	08:41	9.32	38.68
25	AR125402		AR125402	07/17/96	09:36	9.31	38.71
26	ZZZZZ			07/17/96	10:31	9.32	38.67
27	ZZZZZ			07/17/96	11:26	9.31	38.66
28	ZZZZZ			07/17/96	12:21	9.31	38.67
29	ZZZZZ			07/17/96	13:16	9.31	38.65
30	S17		238917	07/17/96	14:11	9.31	38.66
31	SS21		238926	07/17/96	15:06	*	38.66
32	SS22		238927	07/17/96	16:01	9.30	38.65

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GC Column: DB1701 ID: .53 (mm) Init. Calib. Date(s): 07/13/96 07/14/96

Instrument ID: 5890 3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.31 DCB: 38.71

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	#	DCB RT	#
01	S281	238931	07/17/96	16:56	9.30		38.65	
02	PIBLK13	PIBLK13	07/17/96	17:52	9.30		38.66	
03	INDAM05	INDAM05	07/17/96	18:47	9.30		38.67	
04	INDBM05	INDBM05	07/17/96	19:42	9.30		38.68	
05	S18	238919	07/17/96	20:37	9.30		38.63	
06	SS15	238914	07/17/96	21:32	9.29		38.63	
07	SS28	238928	07/17/96	22:26	9.29			*
08	SS15 MS	238914	07/17/96	23:21	9.30		38.64	
09	SS15 MSD	238914	07/18/96	00:15	9.29		38.65	
10	S15 MS	238913	07/18/96	01:10	9.30			*
11	S15 MSD	238913	07/18/96	02:05	9.31			*
12	PIBLK14	PIBLK14	07/18/96	02:59	9.31		38.70	
13	PIBLK15	PIBLK15	07/18/96	03:54	9.31		38.70	
14	PEM07	PEM07	07/18/96	04:48	9.31		38.69	
15	ZZZZZ		07/22/96	07:33	9.30		38.65	
16	PIBLK16	PIBLK16	07/22/96	08:28	9.30		38.66	
17	PEM08	PEM08	07/22/96	09:23	9.30		38.66	
18	ZZZZZ		07/22/96	10:46	9.31		38.65	
19	ZZZZZ		07/22/96	11:42	9.30		38.65	
20	ZZZZZ		07/22/96	12:36	9.30		38.65	
21	ZZZZZ		07/22/96	13:31	9.27		38.63	
22	ZZZZZ		07/22/96	14:43	9.29		38.64	
23	ZZZZZ		07/22/96	15:38	9.29		38.66	
24	AR125403	AR125403	07/22/96	16:33	9.29		38.66	
25	PIBLK17	PIBLK17	07/22/96	17:28	9.29		38.67	
26	INDAM06	INDAM06	07/22/96	18:23	9.29		38.65	
27	INDBM06	INDBM06	07/22/96	19:18	9.29		38.66	
28								
29								
30								
31								
32								

QC LIMITS
TCX = Tetrachloro-m-xylene (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

9A
PESTICIDE FLORISIL CARTRIDGE CHECK

Lab Name: ICM, Inc. Contract:
Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A
Florisil Cartridge Lot Number: SP1018 Date of Analysis: 06/12/96
GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
alpha-BHC	.01	.0100	100	80-120
gamma-BHC (Lindane)	.01	.0092	92	80-120
Heptachlor	.01	.0101	101	80-120
Endosulfan I	.01	.0097	97	80-120
Dieldrin	.02	.019	94	80-120
Endrin	.02	.020	98	80-120
4,4'-DDD	.02	.019	93	80-120
4,4'-DDT	.02	.018	88	80-120
Methoxychlor	.100	.103	103	80-120
Tetrachloro-m-xylene	.01	.0103	103	80-120
Decachlorobiphenyl	.02	.021	105	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	PBLK34	PBLK34	07/06/96	07/06/96
02	RIN1A	238543	07/06/96	07/06/96
03	RIN1AMS	238543	07/06/96	07/06/96
04	RIN1AMSD	238543	07/06/96	07/06/96
05				
06				
07				
08				
09				
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COMMENTS:

9A
PESTICIDE FLORISIL CARTRIDGE CHECK

Lab Name: ICM, Inc. Contract:
Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A
Florisil Cartridge Lot Number: SP1018 Date of Analysis: 06/12/96
GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
alpha-BHC	.01	.0100	100	80-120
gamma-BHC (Lindane)	.01	.0092	92	80-120
Heptachlor	.01	.0101	101	80-120
Endosulfan I	.01	.0097	97	80-120
Dieldrin	.02	.019	94	80-120
Endrin	.02	.020	98	80-120
4,4'-DDD	.02	.019	93	80-120
4,4'-DDT	.02	.018	88	80-120
Methoxychlor	.100	.103	103	80-120
Tetrachloro-m-xylene	.01	.0103	103	80-120
Decachlorobiphenyl	.02	.021	105	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	PBLK43		PBLK43	07/14/96	07/14/96
01	SS20	DL	238924	07/14/96	07/14/96
02	S21	DL	238925	07/14/96	07/14/96
03	S19	DL	238921	07/14/96	07/14/96
04	SS18		238920	07/14/96	07/14/96
05	SS16	DL	238916	07/14/96	07/14/96
06	S17	DL	238917	07/14/96	07/14/96
07	SS13	DL	238910	07/14/96	07/14/96
08	S13	DL	238909	07/14/96	07/14/96
09	S14	DL	238911	07/14/96	07/14/96
10	S16	DL	238915	07/14/96	07/14/96
11	S20	DL	238923	07/14/96	07/14/96
12	SS17	DL	238918	07/15/96	07/15/96
13	SS14	DL	238912	07/15/96	07/15/96
14	SS19	DL	238922	07/15/96	07/15/96
15	SS19		238922	07/15/96	07/15/96
16	SS20		238924	07/15/96	07/15/96
17	S21		238925	07/15/96	07/15/96
18	SS15	DL	238914	07/15/96	07/15/96
19	S13		238909	07/16/96	07/16/96
20	SS13		238910	07/16/96	07/16/96
21	S14		238911	07/16/96	07/16/96
22	SS14		238912	07/16/96	07/16/96
23	S16		238915	07/16/96	07/16/96
24	SS16		238916	07/16/96	07/16/96
25	SS17		238918	07/16/96	07/16/96
26	S19		238921	07/16/96	07/16/96
27	S20		238923	07/16/96	07/16/96
28	S17		238917	07/17/96	07/17/96
29	SS15		238914	07/17/96	07/17/96

30	SS15 MS	238914	07/17/96	07/17/96
31	SS15 MSD	238914	07/18/96	07/18/96

COMMENTS:

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9A

PESTICIDE FLORISIL CARTRIDGE CHECK

Lab Name: ICM, Inc. Contract:
Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A
Florisil Cartridge Lot Number: SP1018 Date of Analysis: 06/12/96
GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
alpha-BHC	.01	.0100	100	80-120
gamma-BHC (Lindane)	.01	.0092	92	80-120
Heptachlor	.01	.0101	101	80-120
Endosulfan I	.01	.0097	97	80-120
Dieldrin	.02	.019	94	80-120
Endrin	.02	.020	98	80-120
4,4'-DDD	.02	.019	93	80-120
4,4'-DDT	.02	.018	88	80-120
Methoxychlor	.100	.103	103	80-120
Tetrachloro-m-xylene	.01	.0103	103	80-120
Decachlorobiphenyl	.02	.021	105	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	PBLK43	PBLK32	07/14/96	07/14/96
02	S15	238913	07/15/96	07/15/96
03	S18 DL	238919	07/15/96	07/15/96
04	S22 DL	238927	07/15/96	07/15/96
05	S28 DL	238931	07/16/96	07/16/96
06	SS21 DL	238926	07/16/96	07/16/96
07	SS28	238932	07/16/96	07/16/96
08	SS22 DL	238928	07/16/96	07/16/96
09	S15 DL	238913	07/16/96	07/16/96
10	SS21	238926	07/17/96	07/17/96
11	SS22	238927	07/17/96	07/17/96
12	S281	238931	07/17/96	07/17/96
13	S18	238919	07/17/96	07/17/96
14	SS28	238928	07/17/96	07/17/96
15	S15 MS	238913	07/18/96	07/18/96
16	S15 MSD	238913	07/18/96	07/18/96
17				
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22				
23				
24				

COMMENTS:

9B
PESTICIDE GPC CALIBRATION

Lab Name: ICM, Inc. Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GPC Column: ENVIROBEAD-XS3 Calibration Date: 07/02/96

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
gamma-BHC (Lindane)	.050	.041	82	80-110
Heptachlor	.050	.045	90	80-110
Aldrin	.050	.042	84	80-110
Dieldrin	.10	.096	96	80-110
Endrin	.10	.096	96	80-110
4,4'-DDT	.10	.095	95	80-110

Column to be used to flag recovery values 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	PBLK34	PBLK34	07/06/96	07/06/96
02	RIN1A	238543	07/06/96	07/06/96
03	RIN1AMS	238543	07/06/96	07/06/96
04	RIN1AMSD	238543	07/06/96	07/06/96
05				
06				
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9B
PESTICIDE GPC CALIBRATION

Lab Name: ICM, Inc. Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

GPC Column: ENVIROBEAD-XS3 Calibration Date: 07/02/96

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
gamma-BHC (Lindane)	.050	.041	82	80-110
Heptachlor	.050	.045	90	80-110
Aldrin	.050	.042	84	80-110
Dieldrin	.10	.096	96	80-110
Endrin	.10	.096	96	80-110
4,4'-DDT	.10	.095	95	80-110

Column to be used to flag recovery values 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	PBLK43		PBLK43	07/14/96	07/14/96
01	SS20	DL	238924	07/14/96	07/14/96
02	S21	DL	238925	07/14/96	07/14/96
03	S19	DL	238921	07/14/96	07/14/96
04	SS18		238920	07/14/96	07/14/96
05	SS16	DL	238916	07/14/96	07/14/96
06	S17	DL	238917	07/14/96	07/14/96
07	SS13	DL	238910	07/14/96	07/14/96
08	S13	DL	238909	07/14/96	07/14/96
09	S14	DL	238911	07/14/96	07/14/96
10	S16	DL	238915	07/14/96	07/14/96
11	S20	DL	238923	07/14/96	07/14/96
12	SS17	DL	238918	07/15/96	07/15/96
13	SS14	DL	238912	07/15/96	07/15/96
14	SS19	DL	238922	07/15/96	07/15/96
15	SS19		238922	07/15/96	07/15/96
16	SS20		238924	07/15/96	07/15/96
17	S21		238925	07/15/96	07/15/96
18	SS15	DL	238914	07/15/96	07/15/96
19	S13		238909	07/16/96	07/16/96
20	SS13		238910	07/16/96	07/16/96
21	S14		238911	07/16/96	07/16/96
22	SS14		238912	07/16/96	07/16/96
23	S16		238915	07/16/96	07/16/96
24	SS16		238916	07/16/96	07/16/96
25	SS17		238918	07/16/96	07/16/96
26	S19		238921	07/16/96	07/16/96
27	S20		238923	07/16/96	07/16/96
28	S17		238917	07/17/96	07/17/96
29	SS15		238914	07/17/96	07/17/96
30	SS15 MS		238914	07/17/96	07/17/96

31| SS15 MSD | 238914 | 07/18/96 | 07/18/96 |

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9B
PESTICIDE GPC CALIBRATION

Lab Name: ICM, Inc. Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

GPC Column: ENVIROBEAD-XS3 Calibration Date: 07/02/96

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
gamma-BHC (Lindane)	.050	.041	82	80-110
Heptachlor	.050	.045	90	80-110
Aldrin	.050	.042	84	80-110
Dieldrin	.10	.096	96	80-110
Endrin	.10	.096	96	80-110
4,4'-DDT	.10	.095	95	80-110

Column to be used to flag recovery values 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	PBLK43	PBLK32	07/14/96	07/14/96
02	S15	238913	07/15/96	07/15/96
03	S18 DL	238919	07/15/96	07/15/96
04	S22 DL	238927	07/15/96	07/15/96
05	S28 DL	238931	07/16/96	07/16/96
06	SS21 DL	238926	07/16/96	07/16/96
07	SS28	238932	07/16/96	07/16/96
08	SS22 DL	238928	07/16/96	07/16/96
09	S15 DL	238913	07/16/96	07/16/96
10	SS21	238926	07/17/96	07/17/96
11	SS22	238927	07/17/96	07/17/96
12	S281	238931	07/17/96	07/17/96
13	S18	238919	07/17/96	07/17/96
14	SS28	238928	07/17/96	07/17/96
15	S15 MS	238913	07/18/96	07/18/96
16	S15 MSD	238913	07/18/96	07/18/96
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RIN2BMS

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238930 Date(s) Analyzed: 07/06/96 07/06/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	14.35	14.31	14.41	.39	5.1
	2	15.27	15.22	15.32	.41	
Heptachlor	1	15.85	15.81	15.91	.58	28.9
	2	16.30	16.26	16.36	.45	
Aldrin	1	17.35	17.31	17.41	.39	10.3
	2	17.56	17.52	17.62	.43	
Dieldrin	1	23.03	22.97	23.11	.96	2.1
	2	23.39	23.34	23.48	.98	
Endrin	1	24.82	24.76	24.90	1.0	.0
	2	24.36	24.30	24.44	1.0	
4,4'-DDT	1	27.19	27.14	27.28	.94	4.3
	2	27.42	27.37	27.51	.98	
	1					
	2					
	1					
	2					

FORM X PEST-1

OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RIN2BMSD

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238930 Date(s) Analyzed: 07/06/96 07/06/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	14.35	14.31	14.41	.40	2.5
	2	15.27	15.22	15.32	.41	
Heptachlor	1	15.85	15.81	15.91	.57	29.5
	2	16.30	16.26	16.36	.44	
Aldrin	1	17.35	17.31	17.41	.38	10.5
	2	17.56	17.52	17.62	.42	
Dieldrin	1	23.03	22.97	23.11	.97	2.1
	2	23.39	23.34	23.48	.99	
Endrin	1	24.82	24.76	24.90	1.0	.0
	2	24.35	24.30	24.44	1.0	
4,4'-DDT	1	27.20	27.14	27.28	.95	4.2
	2	27.42	27.37	27.51	.99	
	1					
	2					
	1					
	2					

FORM X PEST-1 OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS15 MS

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238914 Date(s) Analyzed: 07/17/96 07/17/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	14.29	14.31	14.41	44.	300.0
	2	15.25	15.22	15.32	11.	
Heptachlor	1	15.97	15.81	15.91	13.	664.7
	2	16.30	16.26	16.36	1.7	
Aldrin	1	17.37	17.31	17.41	69.	276.8
	2	17.43	17.52	17.62	260.	
Dieldrin	1	22.96	22.96	23.10	270.	125.0
	2	23.36	23.33	23.47	120.	
Endrin	1	24.78	24.75	24.89	47.	83.0
	2	24.53	24.30	24.44	86.	
4,4'-DDT	1	27.01	27.13	27.27	380.	708.5
	2	27.39	27.36	27.50	47.	
	1					
	2					
	1					
	2					

FORM X PEST-1 OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS15 MSD

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238914 Date(s) Analyzed: 07/18/96 07/18/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	14.30	14.31	14.41	44.	214.3
	2	15.26	15.22	15.32	14.	
Heptachlor	1	15.96	15.81	15.91	15.	525.0
	2	16.31	16.26	16.36	2.4	
Aldrin	1	17.37	17.31	17.41	81.	258.0
	2	17.43	17.52	17.62	290.	
Dieldrin	1	22.97	22.96	23.10	240.	84.6
	2	23.36	23.33	23.47	130.	
Endrin	1	24.66	24.75	24.89	130.	32.7
	2	24.53	24.30	24.44	98.	
4,4'-DDT	1	27.01	27.13	27.27	350.	438.5
	2	27.39	27.36	27.50	65.	
	1					
	2					
	1					
	2					

FORM X PEST-1

OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

S15 MS

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238913 Date(s) Analyzed: 07/18/96 07/18/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	14.29	14.31	14.41	130.	1250
	2	15.26	15.22	15.32	9.6	
Heptachlor	1	16.02	15.81	15.91	650.	3960
	2	16.38	16.26	16.36	16.	
Aldrin	1	17.38	17.31	17.41	150.	700.0
	2	17.43	17.52	17.62	1200.	
Dieldrin	1	22.99	22.96	23.10	1200.	242.9
	2	23.37	23.33	23.47	350.	
Endrin	1	24.83	24.75	24.89	1300.	146.2
	2	24.23	24.30	24.44	3200.	
4,4'-DDT	1	27.09	27.13	27.27	2900.	3440
	2	27.40	27.36	27.50	82.	
	1					
	2					
	1					
	2					

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FORM X PEST-1

OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

S15 MSD

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238913 Date(s) Analyzed: 07/18/96 07/18/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	14.29	14.31	14.41	94.	1580
	2	15.26	15.22	15.32	5.6	
Heptachlor	1	16.02	15.81	15.91	520.	1580
	2	16.38	16.26	16.36	31.	
Aldrin	1	17.38	17.31	17.41	120.	658.3
	2	17.44	17.52	17.62	910.	
Dieldrin	1	22.99	22.96	23.10	910.	237.0
	2	23.37	23.33	23.47	270.	
Endrin	1	24.83	24.75	24.89	980.	144.9
	2	24.24	24.30	24.44	2400.	
4,4'-DDT	1	27.10	27.13	27.27	2300.	5130
	2	27.41	27.36	27.50	44.	
	1					
	2					
	1					
	2					

FORM X PEST-1

OLM03.0

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

RIN2B

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238930 Date(s) Analyzed: 07/06/96 07/06/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.77	20.91	2.0	2.3	
	2	21.13	21.07	21.21	2.3		
	3	22.70	22.64	22.78	2.9		
	4	23.53	23.47	23.61	2.3		
	5	24.84	24.79	24.93	2.1		
COLUMN 2	1	17.45	17.39	17.53	2.3	2.3	.0
	2	20.29	20.22	20.36	2.3		
	3	21.12	21.06	21.20	2.2		
	4	23.08	23.04	23.18	2.5		
	5	23.78	23.71	23.85	2.4		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS13

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238910 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	18000.	26000.	11.5
	2	21.13	21.06	21.20	21000.		
	3	22.70	22.64	22.78	36000.		
	4	23.52	23.46	23.60	27000.		
	5	24.84	24.78	24.92	25000.		
COLUMN 2	1	17.45	17.39	17.53	25000.	29000.	
	2	20.30	20.22	20.36	27000.		
	3	21.11	21.06	21.20	29000.		
	4	23.07	23.02	23.16	35000.		
	5	23.78	23.71	23.85	30000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS13 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238910 Date(s) Analyzed: 07/14/96 07/14/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	28000.	37000.	
	2	21.13	21.06	21.20	32000.		
	3	22.71	22.64	22.78	48000.		
	4	23.53	23.46	23.60	41000.		
	5	24.84	24.78	24.92	37000.		
COLUMN 2	1	38.70	17.39	17.53	210.	37000.	.0
	2	17.46	20.22	20.36	28000.		
	3	20.30	21.06	21.20	43000.		
	4	21.12	23.02	23.16	28000.		
	5	23.08	23.71	23.85	88000.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS14

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238912 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	1000.	1500.	
	2	21.13	21.06	21.20	1000.		
	3	22.70	22.64	22.78	1700.		
	4	23.54	23.46	23.60	1600.		
	5	24.84	24.78	24.92	2400.		
COLUMN 2	1	17.45	17.39	17.53	670.	1500.	.0
	2	20.29	20.22	20.36	1600.		
	3	21.11	21.06	21.20	1400.		
	4	23.07	23.02	23.16	2100.		
	5	23.77	23.71	23.85	1700.		
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 for each column are required for identification of multicomponent analytes

Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS14 OL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238912 Date(s) Analyzed: 07/15/96 07/15/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	1900.	2600.	
	2	21.12	21.06	21.20	2000.		
	3	22.68	22.64	22.78	2800.		
	4	23.51	23.46	23.60	2700.		
	5	24.83	24.78	24.92	3500.		
COLUMN 2	1	17.43	17.39	17.53	1100.	2400.	8.3
	2	20.29	20.22	20.36	2500.		
	3	21.10	21.06	21.20	2300.		
	4	23.06	23.02	23.16	3300.		
	5	23.76	23.71	23.85	2700.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS15

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238914 Date(s) Analyzed: 07/17/96 07/17/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.81	20.76	20.90	4100.	5500.	
	2	21.09	21.06	21.20	3900.		
	3	22.68	22.64	22.78	9200.		
	4	23.46	23.46	23.60	4200.		
	5	24.79	24.78	24.92	6000.		
COLUMN 2	1	17.43	17.39	17.53	4300.	7400.	34.5
	2	20.28	20.22	20.36	8100.		
	3	21.08	21.06	21.20	7400.		
	4	23.02	23.02	23.16	8000.		
	5	23.74	23.71	23.85	9000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

Page 1 of 1

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS15 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238914 Date(s) Analyzed: 07/15/96 07/15/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	8700.	12000.	
	2	21.13	21.06	21.20	9200.		
	3	22.70	22.64	22.78	16000.		
	4	23.52	23.46	23.60	13000.		
	5	24.83	24.78	24.92	12000.		
COLUMN 2	1	17.45	17.39	17.53	7600.	13000.	8.3
	2	20.30	20.22	20.36	13000.		
	3	21.11	21.06	21.20	12000.		
	4	23.07	23.02	23.16	16000.		
	5	23.77	23.71	23.85	15000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS15 MS

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238914 Date(s) Analyzed: 07/17/96 07/17/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.81	20.76	20.90	5200.	6600.	50.0
	2	21.09	21.06	21.20	4500.		
	3	22.68	22.64	22.78	13000.		
	4	23.45	23.46	23.60	4400.		
	5	24.78	24.78	24.92	6200.		
COLUMN 2	1	17.43	17.39	17.53	6100.	9900.	
	2	20.25	20.22	20.36	10000.		
	3	21.07	21.06	21.20	9600.		
	4	23.00	23.02	23.16	9300.		
	5	23.74	23.71	23.85	14000.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS15 MSD

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238914 Date(s) Analyzed: 07/18/96 07/18/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.82	20.76	20.90	4900.	5900.	
	2	21.10	21.06	21.20	4300.		
	3	22.70	22.64	22.78	13000.		
	4	23.45	23.46	23.60	4300.		
	5	24.66	24.78	24.92	3000.		
COLUMN 2	1	17.43	17.39	17.53	6800.	10000.	69.5
	2	20.25	20.22	20.36	11000.		
	3	21.07	21.06	21.20	11000.		
	4	23.00	23.02	23.16	9500.		
	5	23.73	23.71	23.85	13000.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS16

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238916 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	16000.	24000.	
	2	21.13	21.06	21.20	18000.		
	3	22.70	22.64	22.78	30000.		
	4	23.52	23.46	23.60	29000.		
	5	24.84	24.78	24.92	26000.		
COLUMN 2	1	17.46	17.39	17.53	9200.	23000.	4.3
	2	20.29	20.22	20.36	20000.		
	3	21.11	21.06	21.20	24000.		
	4	23.07	23.02	23.16	34000.		
	5	23.77	23.71	23.85	30000.		
_____ 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 for each column are required for identification of ulticomponent analytes

Peak Concentration excluded from calculation of mean due to additional flags

FORM X PEST-2 OLM03.0

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS16 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238916 Date(s) Analyzed: 07/14/96 07/14/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.84	20.76	20.90	21000.	30000.	
	2	21.14	21.06	21.20	25000.		
	3	22.71	22.64	22.78	36000.		
	4	23.53	23.46	23.60	37000.		
	5	24.85	24.78	24.92	33000.		
COLUMN 2	1	17.46	17.39	17.53	22000.	31000.	3.3
	2	20.30	20.22	20.36	24000.		
	3	21.12	21.06	21.20	32000.		
	4	23.08	23.02	23.16	42000.		
	5	23.78	23.71	23.85	37000.		
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 for each column are required for identification of ulticomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS17

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238918 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.82	20.76	20.90	1200.	1700.	23.5
	2	21.12	21.06	21.20	1400.		
	3	22.68	22.64	22.78	2300.		
	4	23.53	23.46	23.60	1700.		
	5	24.83	24.78	24.92	1700.		
COLUMN 2	1	17.43	17.39	17.53	1700.	2100.	
	2	20.28	20.22	20.36	2000.		
	3	21.09	21.06	21.20	1900.		
	4	23.05	23.02	23.16	2500.		
	5	23.75	23.71	23.85	2300.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS17 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238918 Date(s) Analyzed: 07/15/96 07/15/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	2000.	2700.	
	2	21.12	21.06	21.20	2300.		
	3	22.69	22.64	22.78	3500.		
	4	23.51	23.46	23.60	3100.		
	5	24.83	24.78	24.92	2600.		
COLUMN 2	1	17.44	17.39	17.53	2700.	3200.	18.5
	2	20.29	20.22	20.36	3000.		
	3	21.10	21.06	21.20	2900.		
	4	23.06	23.02	23.16	3700.		
	5	23.76	23.71	23.85	3500.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS19

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238922 Date(s) Analyzed: 07/15/96 07/15/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.81	20.76	20.90	11000000.	13000000.	
	2	21.10	21.06	21.20	11000000.		
	3	22.68	22.64	22.78	20000000.		
	4	23.54	23.46	23.60	10000000.		
	5	24.83	24.78	24.92	12000000.		
COLUMN 2	1	17.43	17.39	17.53	15000000.	17000000.	30.8
	2	20.28	20.22	20.36	17000000.		
	3	21.09	21.06	21.20	17000000.		
	4	23.05	23.02	23.16	19000000.		
	5	23.75	23.71	23.85	17000000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS19 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238922 Date(s) Analyzed: 07/15/96 07/15/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	20000000.	22000000.	
	2	21.13	21.06	21.20	20000000.		
	3	22.69	22.64	22.78	28000000.		
	4	23.52	23.46	23.60	23000000.		
	5	24.83	24.78	24.92	18000000.		
COLUMN 2	1	17.44	17.39	17.53	24000000.	25000000.	13.6
	2	20.28	20.22	20.36	25000000.		
	3	21.10	21.06	21.20	25000000.		
	4	23.07	23.02	23.16	26000000.		
	5	23.76	23.71	23.85	24000000.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS20

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238924 Date(s) Analyzed: 07/15/96 07/15/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.82	20.76	20.90	860000.	1100000.	
	2	21.12	21.06	21.20	950000.		
	3	22.68	22.64	22.78	1500000.		
	4	23.51	23.46	23.60	1200000.		
	5	24.83	24.78	24.92	1000000.		
COLUMN 2	1	17.43	17.39	17.53	960000.	1200000.	9.1
	2	20.28	20.22	20.36	1200000.		
	3	21.10	21.06	21.20	1200000.		
	4	23.06	23.02	23.16	1400000.		
	5	23.75	23.71	23.85	1300000.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS20 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238924 Date(s) Analyzed: 07/14/96 07/14/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_	1	20.83	20.76	20.90	1300000.		
	2	21.13	21.06	21.20	1400000.		
	3	22.71	22.64	22.78	2000000.		
COLUMN 1	4	23.53	23.46	23.60	1600000.	1600000.	
	5	24.85	24.78	24.92	1400000.		
	1	17.46	17.39	17.53	1400000.		.0
	2	20.29	20.22	20.36	1500000.		
	3	21.13	21.06	21.20	1600000.		
COLUMN 2	4	23.09	23.02	23.16	1800000.	1600000.	
	5	23.78	23.71	23.85	1600000.		
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS21

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238926 Date(s) Analyzed: 07/17/96 07/17/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.80	20.76	20.90	2800000.	3400000.	
	2	21.09	21.06	21.20	2600000.		
	3	22.68	22.64	22.78	6000000.		
	4	23.54	23.46	23.60	2500000.		
	5	24.80	24.78	24.92	3300000.		
COLUMN 2	1	17.43	17.39	17.53	4200000.	4600000.	35.3
	2	20.28	20.22	20.36	4700000.		
	3	21.09	21.06	21.20	4400000.		
	4	23.03	23.02	23.16	4800000.		
	5	23.75	23.71	23.85	4700000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS21 0L

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238926 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	4700000.	5500000.	
	2	21.13	21.06	21.20	4900000.		
	3	22.70	22.64	22.78	7500000.		
	4	23.52	23.46	23.60	5700000.		
	5	24.83	24.78	24.92	4700000.		
COLUMN 2	1	17.45	17.39	17.53	6000000.	6100000.	10.9
	2	20.29	20.22	20.36	5900000.		
	3	21.11	21.06	21.20	6100000.		
	4	23.08	23.02	23.16	6600000.		
	5	23.77	23.71	23.85	5800000.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B

PESTICIDE IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS22

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238927 Date(s) Analyzed: 07/17/96 07/17/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

Do not use these results

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_	1	20.79	20.76	20.90	24000.		
	2	21.08	21.06	21.20	23000.		
	3	~~22.68~~	22.64	22.78	59000.		
COLUMN 1	4	23.44	23.46	23.60	22000.	32000.	
	5	~~24.78~~	24.78	24.92	32000.		
	1	17.43	17.39	17.53	52000.		59.4
	2	20.25	20.22	20.36	50000.		
	3	~~21.08~~	21.06	21.20	44000.		
COLUMN 2	4	23.01	23.02	23.16	45000.	51000.	
	5	23.75	23.71	23.85	64000.		
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks for each column are required for identification of ulticomponent analytes

Peak Concentration excluded from calculation of mean due to additional flags

FORM X PEST-2 OLM03.0

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS22

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238928 Date(s) Analyzed: 07/17/96 07/17/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.81	20.76	20.90	940000.	1000000.	40.0
	2	21.10	21.06	21.20	960000.		
	3	22.68	22.64	22.78	1500000.		
	4	23.52	23.46	23.60	910000.		
	5	24.82	24.78	24.92	890000.		
COLUMN 2	1	17.43	17.39	17.53	1200000.	1400000.	
	2	20.28	20.22	20.36	1600000.		
	3	21.08	21.06	21.20	1200000.		
	4	23.05	23.02	23.16	1400000.		
	5	23.75	23.71	23.85	1300000.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS22 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238928 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	1400000.	1600000.	
	2	21.13	21.06	21.20	1500000.		
	3	22.69	22.64	22.78	2200000.		
	4	23.52	23.46	23.60	1700000.		
	5	24.83	24.78	24.92	1400000.		
COLUMN 2	1	17.45	17.39	17.53	1900000.	1900000.	18.8
	2	20.30	20.22	20.36	2200000.		
	3	21.11	21.06	21.20	1700000.		
	4	23.07	23.02	23.16	1900000.		
	5	23.77	23.71	23.85	1900000.		
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 for each column are required for identification of ulticomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

SS28

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238932 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	530.	720.	
	2	21.13	21.06	21.20	590.		
	3	22.69	22.64	22.78	960.		
	4	23.51	23.46	23.60	830.		
	5	24.83	24.78	24.92	670.		
COLUMN 2	1	17.44	17.39	17.53	530.	820.	13.9
	2	20.29	20.22	20.36	850.		
	3	21.10	21.06	21.20	770.		
	4	23.06	23.02	23.16	1000.		
	5	23.76	23.71	23.85	950.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S13

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238909 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	14000.	20000.	
	2	21.13	21.06	21.20	16000.		
	3	22.70	22.64	22.78	28000.		
	4	23.52	23.46	23.60	22000.		
	5	24.84	24.78	24.92	21000.		
COLUMN 2	1	17.45	17.39	17.53	11000.	21000.	5.0
	2	20.30	20.22	20.36	20000.		
	3	21.11	21.06	21.20	21000.		
	4	23.07	23.02	23.16	27000.		
	5	23.78	23.71	23.85	26000.		
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 for each column are required for identification of ulticomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S13 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238909 Date(s) Analyzed: 07/14/96 07/14/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	21000.	29000.	
	2	21.13	21.06	21.20	25000.		
	3	22.70	22.64	22.78	38000.		
	4	23.52	23.46	23.60	32000.		
	5	24.84	24.78	24.92	30000.		
COLUMN 2	1	17.45	17.39	17.53	18000.	29000.	.0
	2	20.29	20.22	20.36	25000.		
	3	21.11	21.06	21.20	29000.		
	4	23.08	23.02	23.16	37000.		
	5	23.77	23.71	23.85	34000.		
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 for each column are required for identification of ulticomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

FORM X PEST-2

OLM03.0

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S14

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238911 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	11000.		
	2	21.13	21.06	21.20	13000.		
	3	22.70	22.64	22.78	23000.		
	4	23.53	23.46	23.60	16000.	16000.	
	5	24.84	24.78	24.92	16000.		
COLUMN 2	1	17.45	17.39	17.53	14000.		12.5
	2	20.30	20.22	20.36	16000.		
	3	21.11	21.06	21.20	18000.		
	4	23.07	23.02	23.16	22000.	18000.	
	5	23.77	23.71	23.85	19000.		
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 for each column are required for identification of ulticomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S14	RE

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238911 Date(s) Analyzed: 07/14/96 07/14/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	20000.	28000.	
	2	21.13	21.06	21.20	23000.		
	3	22.69	22.64	22.78	37000.		
	4	23.52	23.46	23.60	30000.		
	5	24.83	24.78	24.92	29000.		
COLUMN 2	1	17.44	17.39	17.53	23000.	28000.	.0
	2	20.29	20.22	20.36	24000.		
	3	21.11	21.06	21.20	27000.		
	4	23.07	23.02	23.16	35000.		
	5	23.77	23.71	23.85	29000.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S15

Lab Name: ICM Contract:

Lab Code: ICM Case No.: RIN2A SAS No.: SDG No.: RIN2A

Lab Sample ID: 238913 Date(s) Analyzed: 07/15/96 07/15/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	21000.	32000.	
	2	21.13	21.06	21.20	24000.		
	3	22.69	22.64	22.78	42000.		
	4	24.83	23.46	23.60	17000.		
	5	23.51	24.78	24.92	57000.		
COLUMN 2	1	17.44	17.39	17.53	27000.	34000.	6.3
	2	20.29	20.22	20.36	31000.		
	3	21.10	21.06	21.20	32000.		
	4	23.06	23.02	23.16	42000.		
	5	23.76	23.71	23.85	39000.		
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 for each column are required for identification of multicomponent analytes

Peak Concentration excluded from calculation of mean due to additional flags

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10B

PESTICIDE IDENTIFICATION SUMMARY FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S15	DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238913 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	33000.	45000.	
	2	21.13	21.06	21.20	38000.		
	3	22.69	22.64	22.78	58000.		
	4	23.52	23.46	23.60	50000.		
	5	24.83	24.78	24.92	47000.		
COLUMN 2	1	17.45	17.39	17.53	42000.	49000.	8.9
	2	20.29	20.22	20.36	45000.		
	3	21.11	21.06	21.20	47000.		
	4	23.07	23.02	23.16	57000.		
	5	23.77	23.71	23.85	54000.		
_____ 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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S15 MS

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238913 Date(s) Analyzed: 07/18/96 07/18/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	20000.		
	2	21.13	21.06	21.20	23000.		
	3	22.69	22.64	22.78	39000.		
	4	25.50	23.46	23.60	32000.	29000.	
	5	24.83	24.78	24.92	30000.		
COLUMN 2	1	17.43	17.39	17.53	28000.		20.7
	2	20.28	20.22	20.36	32000.		
	3	21.09	21.06	21.20	33000.		
	4	23.06	23.02	23.16	43000.	35000.	
	5	23.75	23.71	23.85	40000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S15 MSD

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238913 Date(s) Analyzed: 07/18/96 07/18/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	16000.	23000.	
	2	21.12	21.06	21.20	18000.		
	3	22.69	22.64	22.78	31000.		
	4	23.51	23.46	23.60	27000.		
	5	24.83	24.78	24.92	23000.		
COLUMN 2	1	17.44	17.39	17.53	22000.	27000.	17.4
	2	20.29	20.22	20.36	25000.		
	3	21.10	21.06	21.20	26000.		
	4	23.06	23.02	23.16	33000.		
	5	23.76	23.71	23.85	31000.		
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 for each column are required for identification of ulticomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

FORM X PEST-2 OLM03.0

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S16

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238915 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	3600.	5300.	
	2	21.13	21.06	21.20	4100.		
	3	22.70	22.64	22.78	6800.		
	4	23.52	23.46	23.60	6300.		
	5	24.83	24.78	24.92	5800.		
COLUMN 2	1	17.45	17.39	17.53	4100.	5800.	9.4
	2	20.29	20.22	20.36	4600.		
	3	21.11	21.06	21.20	5800.		
	4	23.07	23.02	23.16	7500.		
	5	23.77	23.71	23.85	7100.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S16 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238915 Date(s) Analyzed: 07/14/96 07/14/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	6600.	9100.	
	2	21.13	21.06	21.20	7600.		
	3	22.69	22.64	22.78	12000.		
	4	23.51	23.46	23.60	10000.		
	5	24.83	24.78	24.92	9700.		
COLUMN 2	1	17.44	17.39	17.53	6900.	9000.	1.1
	2	20.28	20.22	20.36	6900.		
	3	21.10	21.06	21.20	9100.		
	4	23.07	23.02	23.16	11000.		
	5	23.76	23.71	23.85	11000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S17

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238917 Date(s) Analyzed: 07/17/96 07/17/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	17000.	24000.	
	2	21.12	21.06	21.20	19000.		
	3	22.68	22.64	22.78	33000.		
	4	23.50	23.46	23.60	28000.		
	5	24.83	24.78	24.92	25000.		
COLUMN 2	1	17.44	17.39	17.53	22000.	27000.	12.5
	2	20.28	20.22	20.36	25000.		
	3	21.10	21.06	21.20	21000.		
	4	23.06	23.02	23.16	33000.		
	5	23.75	23.71	23.85	32000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S17 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238917 Date(s) Analyzed: 07/14/96 07/14/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	24000.	32000.	
	2	21.13	21.06	21.20	27000.		
	3	22.70	22.64	22.78	36000.		
	4	23.53	23.46	23.60	37000.		
	5	24.84	24.78	24.92	34000.		
COLUMN 2	1	17.46	17.39	17.53	31000.	36000.	12.5
	2	20.30	20.22	20.36	32000.		
	3	21.12	21.06	21.20	34000.		
	4	23.08	23.02	23.16	43000.		
	5	23.78	23.71	23.85	39000.		
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 for each column are required for identification of ulticomponent analytes
Peak Concentration excluded from calculation of mean due to additional flags

FORM X PEST-2 OLM03.0

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S18

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238919 Date(s) Analyzed: 07/15/96 07/15/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	5600.	8500.	
	2	21.13	21.06	21.20	6500.		
	3	22.70	22.64	22.78	9800.		
	4	23.52	23.46	23.60	9300.		
	5	24.83	24.78	24.92	11000.		
COLUMN 2	1	17.45	17.39	17.53	5800.	8600.	1.2
	2	20.29	20.22	20.36	7200.		
	3	21.11	21.06	21.20	8100.		
	4	23.07	23.02	23.16	11000.		
	5	23.76	23.71	23.85	10000.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S18

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238919 Date(s) Analyzed: 07/17/96 07/17/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.82	20.76	20.90	3200.	4500.	
	2	21.12	21.06	21.20	3300.		
	3	22.68	22.64	22.78	5800.		
	4	23.47	23.46	23.60	3900.		
	5	24.81	24.78	24.92	6200.		
COLUMN 2	1	17.43	17.39	17.53	3500.	5100.	13.3
	2	20.27	20.22	20.36	4400.		
	3	21.08	21.06	21.20	4900.		
	4	23.04	23.02	23.16	6500.		
	5	23.74	23.71	23.85	6300.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S19

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238921 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	180000.	230000.	
	2	21.12	21.06	21.20	190000.		
	3	22.69	22.64	22.78	310000.		
	4	23.51	23.46	23.60	260000.		
	5	24.83	24.78	24.92	220000.		
COLUMN 2	1	17.43	17.39	17.53	190000.	260000.	13.0
	2	20.28	20.22	20.36	240000.		
	3	21.10	21.06	21.20	260000.		
	4	23.06	23.02	23.16	310000.		
	5	23.76	23.71	23.85	280000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

Page 1 of 1

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S19 OL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238921 Date(s) Analyzed: 07/14/96 07/14/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.84	20.76	20.90	290000.	340000.	
	2	21.14	21.06	21.20	310000.		
	3	22.71	22.64	22.78	450000.		
	4	23.53	23.46	23.60	360000.		
	5	24.85	24.78	24.92	320000.		
COLUMN 2	1	17.47	17.39	17.53	300000.	350000.	2.9
	2	20.30	20.22	20.36	310000.		
	3	21.13	21.06	21.20	360000.		
	4	23.09	23.02	23.16	410000.		
	5	23.78	23.71	23.85	370000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S20

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238923 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.82	20.76	20.90	5000.	6700.	
	2	21.12	21.06	21.20	5500.		
	3	22.68	22.64	22.78	8800.		
	4	23.49	23.46	23.60	7400.		
	5	24.82	24.78	24.92	7000.		
COLUMN 2	1	17.43	17.39	17.53	5400.	7500.	11.9
	2	20.28	20.22	20.36	6700.		
	3	21.09	21.06	21.20	7400.		
	4	23.05	23.02	23.16	9400.		
	5	23.75	23.71	23.85	8900.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

Page 1 of 1

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S20 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238923 Date(s) Analyzed: 07/14/96 07/14/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	8500.	11000.	
	2	21.13	21.06	21.20	9300.		
	3	22.69	22.64	22.78	14000.		
	4	23.52	23.46	23.60	12000.		
	5	24.83	24.78	24.92	11000.		
COLUMN 2	1	17.45	17.39	17.53	8700.	11000.	.0
	2	20.28	20.22	20.36	9900.		
	3	21.11	21.06	21.20	11000.		
	4	23.08	23.02	23.16	14000.		
	5	23.77	23.71	23.85	13000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S21

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238925 Date(s) Analyzed: 07/15/96 07/15/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_	1	20.83	20.76	20.90	100000.		
	2	21.12	21.06	21.20	110000.		
	3	22.69	22.64	22.78	180000.		
COLUMN 1	4	24.83	23.46	23.60	150000.	160000.	
	5	23.51	24.78	24.92	260000.		
	1	17.44	17.39	17.53	140000.		6.7
	2	20.29	20.22	20.36	150000.		
	3	21.10	21.06	21.20	140000.		
COLUMN 2	4	23.06	23.02	23.16	170000.	150000.	
	5	23.76	23.71	23.85	150000.		
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks for each column are required for identification of ulticomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S21 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238925 Date(s) Analyzed: 07/14/96 07/14/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.84	20.76	20.90	150000.	180000.	
	2	21.14	21.06	21.20	160000.		
	3	22.71	22.64	22.78	240000.		
	4	23.53	23.46	23.60	190000.		
	5	24.85	24.78	24.92	170000.		
COLUMN 2	1	17.46	17.39	17.53	210000.	200000.	11.1
	2	20.30	20.22	20.36	180000.		
	3	21.13	21.06	21.20	190000.		
	4	23.09	23.02	23.16	220000.		
	5	23.78	23.71	23.85	200000.		
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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S22

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238927 Date(s) Analyzed: 07/15/96 07/15/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	63000.	83000.	
	2	21.13	21.06	21.20	68000.		
	3	22.69	22.64	22.78	110000.		
	4	23.52	23.46	23.60	93000.		
	5	24.83	24.78	24.92	77000.		
COLUMN 2	1	17.45	17.39	17.53	86000.	93000.	12.0
	2	20.29	20.22	20.36	84000.		
	3	21.11	21.06	21.20	90000.		
	4	23.07	23.02	23.16	110000.		
	5	23.77	23.71	23.85	98000.		
_____ 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 for each column are required for identification of multicomponent analytes

* Peak Concentration excluded from calculation of mean due to additional flags

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10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S28

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238931 Date(s) Analyzed: 07/17/96 07/17/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.82	20.76	20.90	13000.	18000.	
	2	21.12	21.06	21.20	15000.		
	3	22.68	22.64	22.78	25000.		
	4	23.51	23.46	23.60	17000.		
	5	24.82	24.78	24.92	19000.		
COLUMN 2	1	17.43	17.39	17.53	17000.	21000.	16.7
	2	20.28	20.22	20.36	19000.		
	3	21.09	21.06	21.20	19000.		
	4	23.05	23.02	23.16	25000.		
	5	23.75	23.71	23.85	24000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

Page 1 of 1

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

S28 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Lab Sample ID: 238931 Date(s) Analyzed: 07/16/96 07/16/96

Instrument ID (1): 5890 3 Instrument ID (2): 5890 3

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB1701 ID: .53 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1254_ COLUMN 1	1	20.83	20.76	20.90	19000.	26000.	
	2	21.13	21.06	21.20	22000.		
	3	22.70	22.64	22.78	35000.		
	4	23.53	23.46	23.60	29000.		
	5	24.84	24.78	24.92	27000.		
COLUMN 2	1	17.46	17.39	17.53	26000.	29000.	11.5
	2	20.30	20.22	20.36	25000.		
	3	21.12	21.06	21.20	28000.		
	4	23.08	23.02	23.16	33000.		
	5	23.78	23.71	23.85	32000.		
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 for each column are required for identification of multicomponent analytes
* Peak Concentration excluded from calculation of mean due to additional flags

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03087::F3
Data File: >03087::G3
Name: RES01
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960705 17:07
Injected at: 960701 13:49
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2346474	18.75	ng/ml	100
9)	#Endosulfan I	0.010	21.61	2593	1312743	10.77	ng/ml	100
10)	#Dieldrin	0.020	23.05	2766	1726260	18.26	ng/ml	100
11)	#4,4'-DDE	0.020	22.83	2740	1411925M	15.43	ng/ml	100
15)	#Endosulfan Sulfate	0.020	28.33	3399	1741197	19.64	ng/ml	100
17)	#Methoxychlor	0.100	32.47	3896	3662021	94.32	ng/ml	100
18)	#Endrin ketone	0.020	32.79	3934	1535169	17.05	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.69	5003	2414622	20.17	ng/ml	100
21)	#gamma-Chlordane	0.010	20.78	2494	999313	8.48	ng/ml	100

Compound uses ESTD

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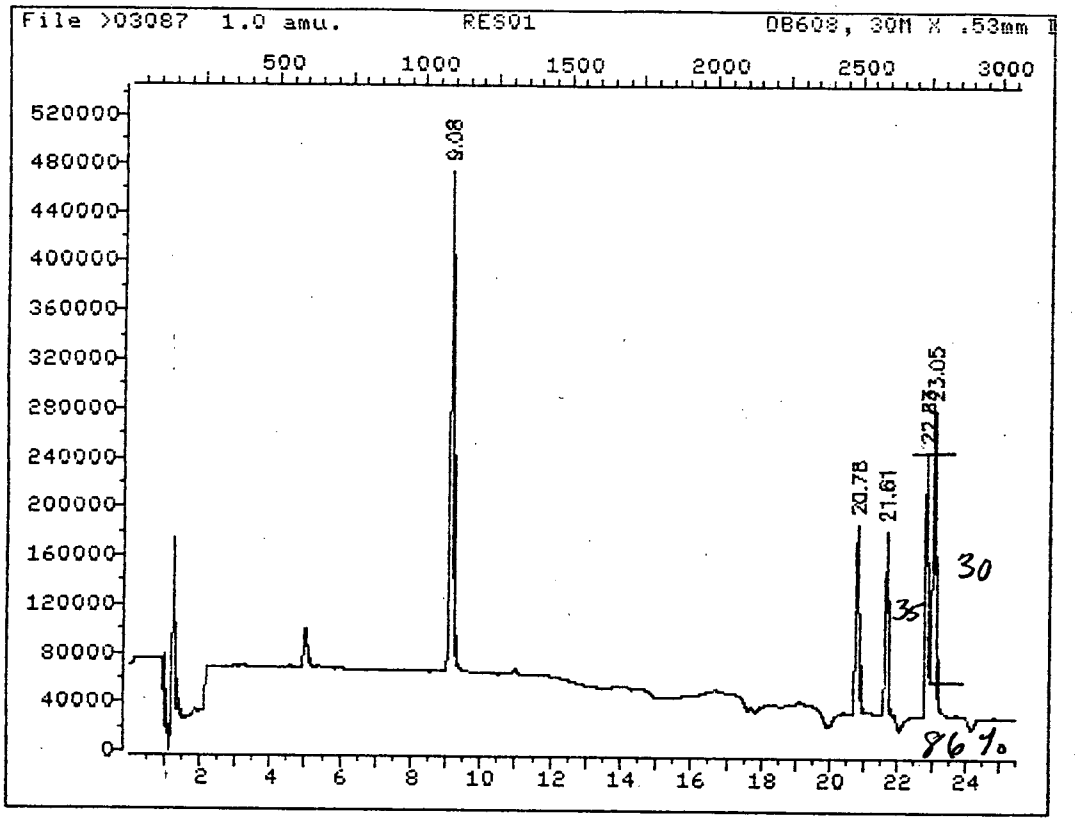
7/10/96



Data File: >03087::G3 Quant Output File: ^03087::F3
Name: RES01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960705 17:07
Injected at: 960701 13:49

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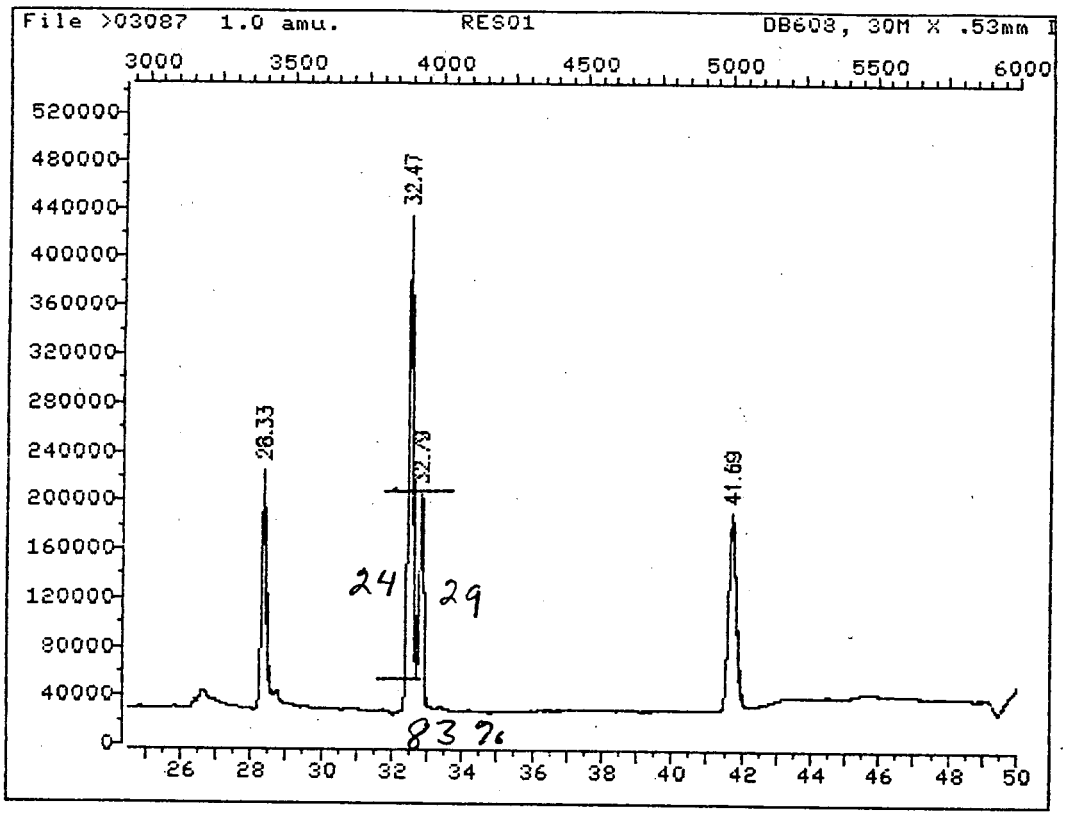

Data File: >03087::G3 Quant Output File: ^03087::F3
Name: RES01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960705 17:07
Injected at: 960701 13:49

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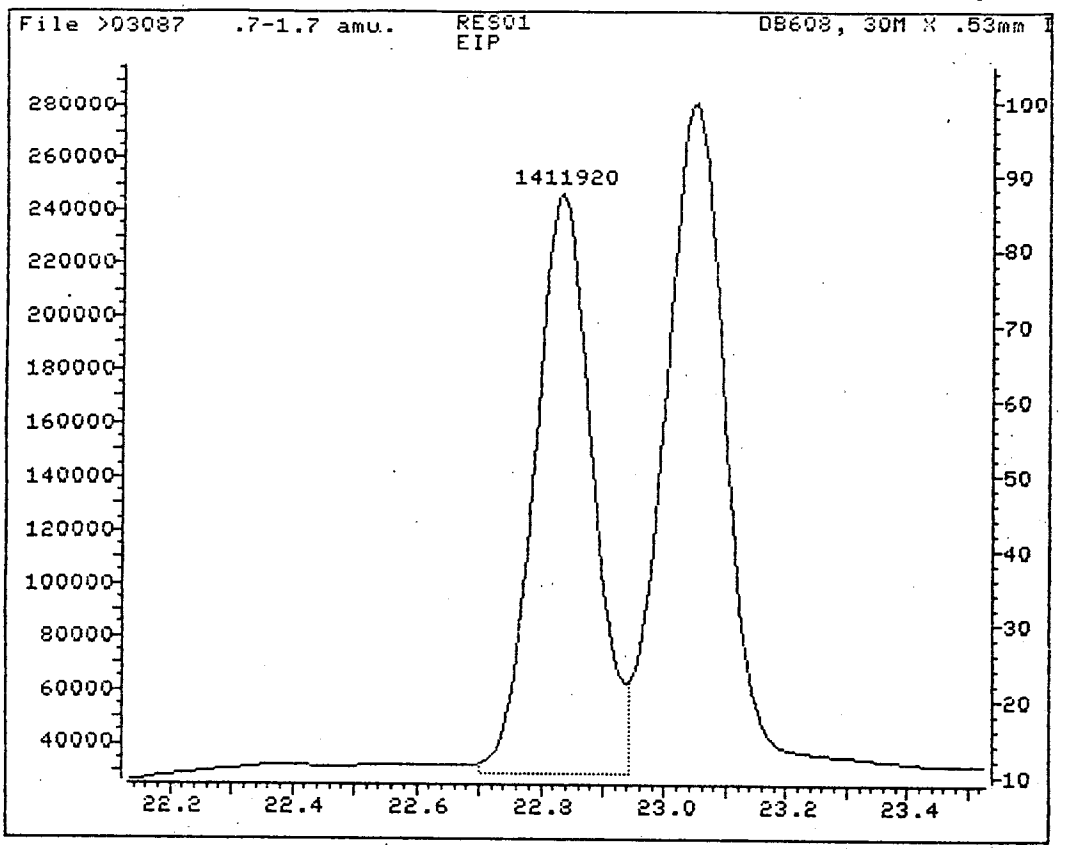

Data File: >03087::G3 Quant Output File: ^03087::F3
Name: RES01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960705 17:07 Quant ID File: IDCAP1::SC
Injected at: 960701 13:49 Last Calibration: 941029 10:07

Compound No: 11
Compound Name: 4,4'-DDE
Scan Number: 2740
Retention Time: 22.83 min.
Quant Ion: 1.0
Area: 1411925M
Concentration: 15.43 ng/ml
q-value: 100

This report was produced by QAREA on: 960709 16:47

QUANT REPORT

perator ID: TRFIL Quant Rev: 7 Quant Time: 960705 17:11
utput File: ^04087::F3 Injected at: 960701 13:49
Data File: >04087::G5 Dilution Factor: 1.00000
ame: RES01 Instrument ID: GC04
isc: DB1701, 30M X .53mm INST 58903, 1ul INJ

D File: IDCAP2::SC
itle: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	795367	19.20	ng/ml	100
9)	#Endosulfan I	0.010	21.77	2612	299487	8.39	ng/ml	100
10)	#Dieldrin	0.020	23.42	2810	557479	17.17	ng/ml	100
11)	#4,4'-DDE	0.020	22.76	2731	475940	17.14	ng/ml	100
15)	#Endosulfan Sulfate	0.020	30.61	3673	415876	15.72	ng/ml	100
17)	#Methoxychlor	0.100	30.86	3703	1212101	90.05	ng/ml	100
18)	#Endrin ketone	0.020	32.95	3954	465470	16.53	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.72	4646	879775	18.84	ng/ml	100
21)	#gamma-Chlordane	0.010	21.99	2639	338421	8.47	ng/ml	100

Compound uses ESTD

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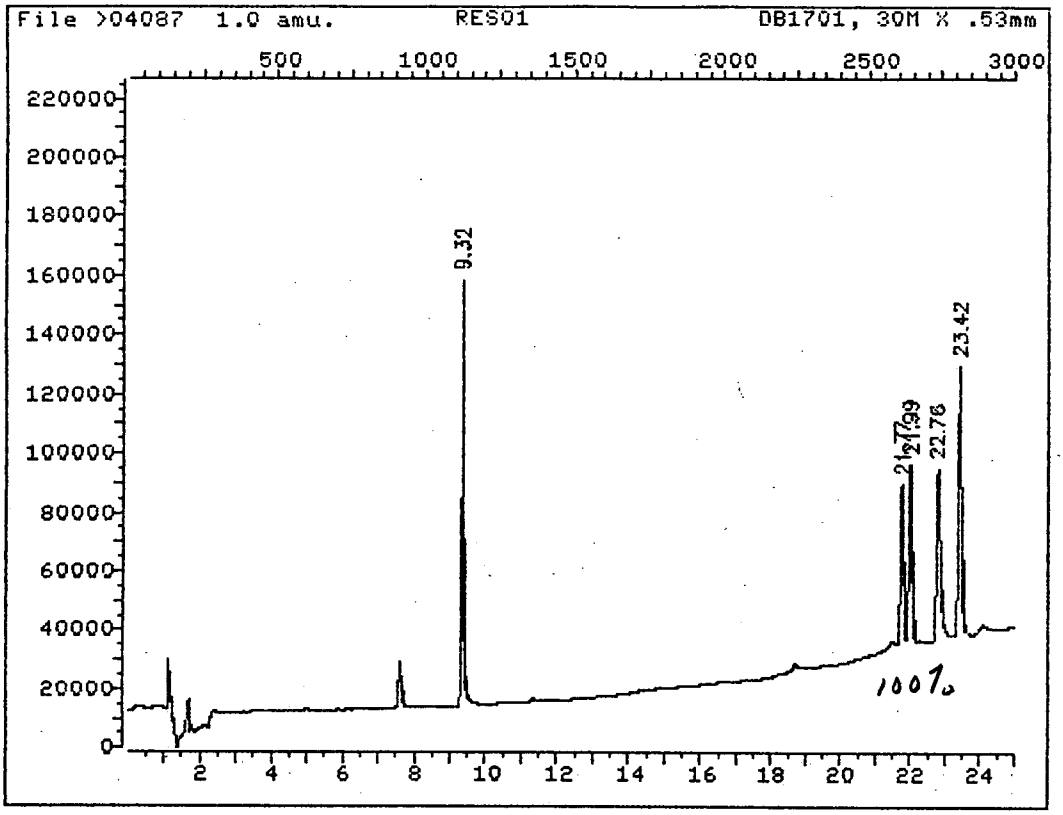
7/10/96



Data File: >04087::G5 Quant Output File: ^04087::F3
Name: RES01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960705 17:11
Injected at: 960701 13:49

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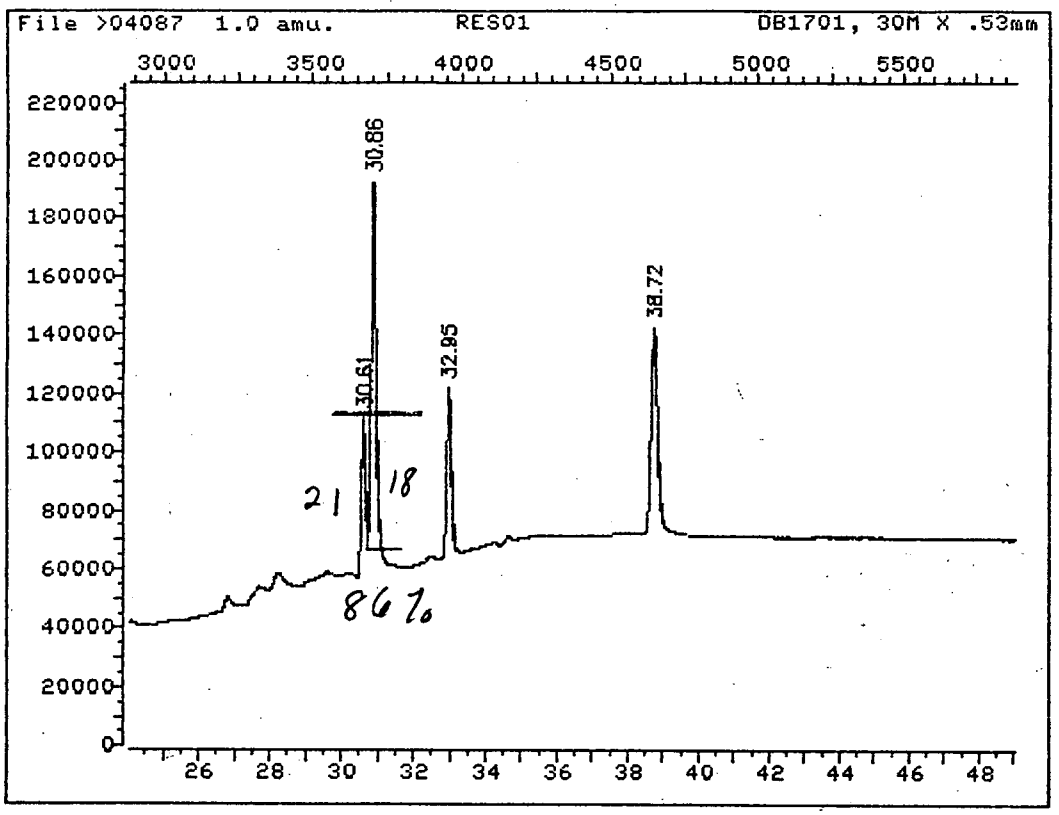

Data File: >04087::G5 Quant Output File: ^04087::F3
Name: RES01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960705 17:11
Injected at: 960701 13:49

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QUANT REPORT

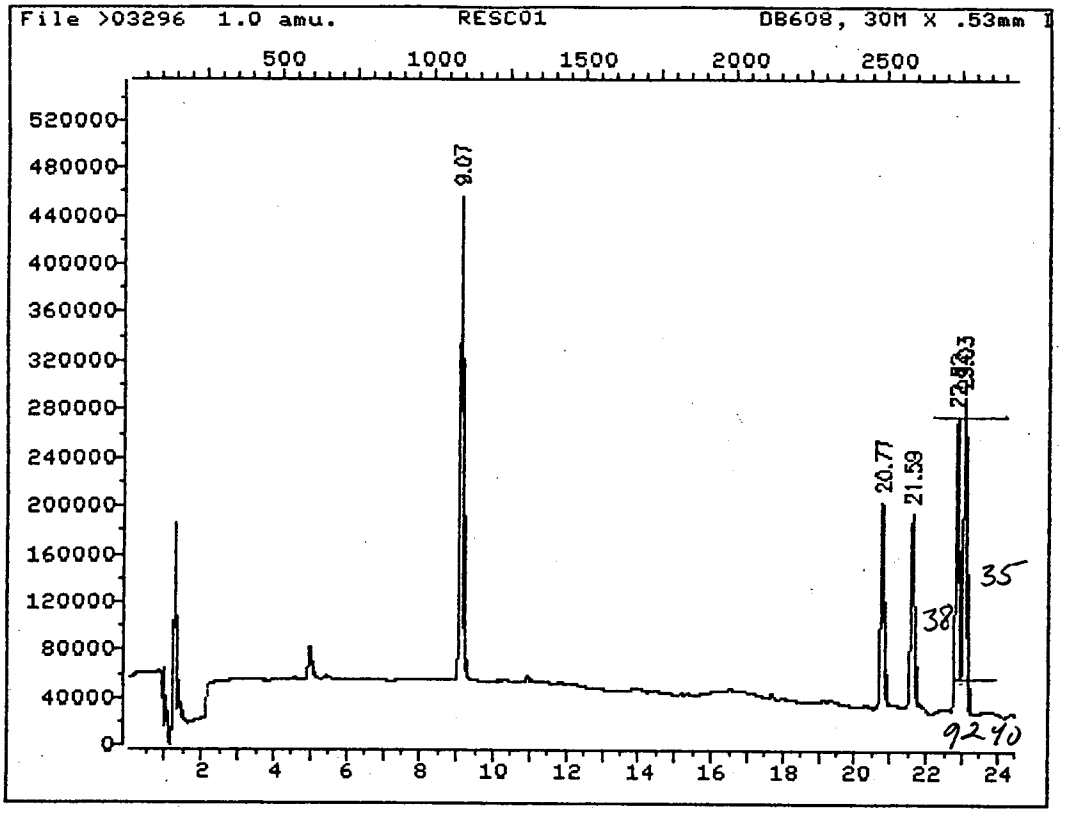
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 13:53
Output File: ^03296::GQ Injected at: 960713 14:40
Data File: >03296::F3 Dilution Factor: 1.00000
Name: RESC01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2234490	18.68	ng/ml	100
9)	#Endosulfan I	0.010	21.59	2591	1192413	11.23	ng/ml	100
10)	#Dieldrin	0.020	23.03	2763	1681465	17.82	ng/ml	100
11)	#4,4'-DDE	0.020	22.82	2738	1495227	16.19	ng/ml	100
15)	#Endosulfan Sulfate	0.020	28.30	3396	1650052	18.76	ng/ml	100
17)	#Methoxychlor	0.100	32.44	3893	3850550	96.78	ng/ml	100
18)	#Endrin ketone	0.020	32.76	3931	1635411	17.64	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.65	4998	2318258	20.05	ng/ml	100
21)	#gamma-Chlordane	0.010	20.77	2492	1089407	9.01	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >03296::F3 Quant Output File: ^03296::GQ
Name: RESC01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 13:53
Injected at: 960713 14:40

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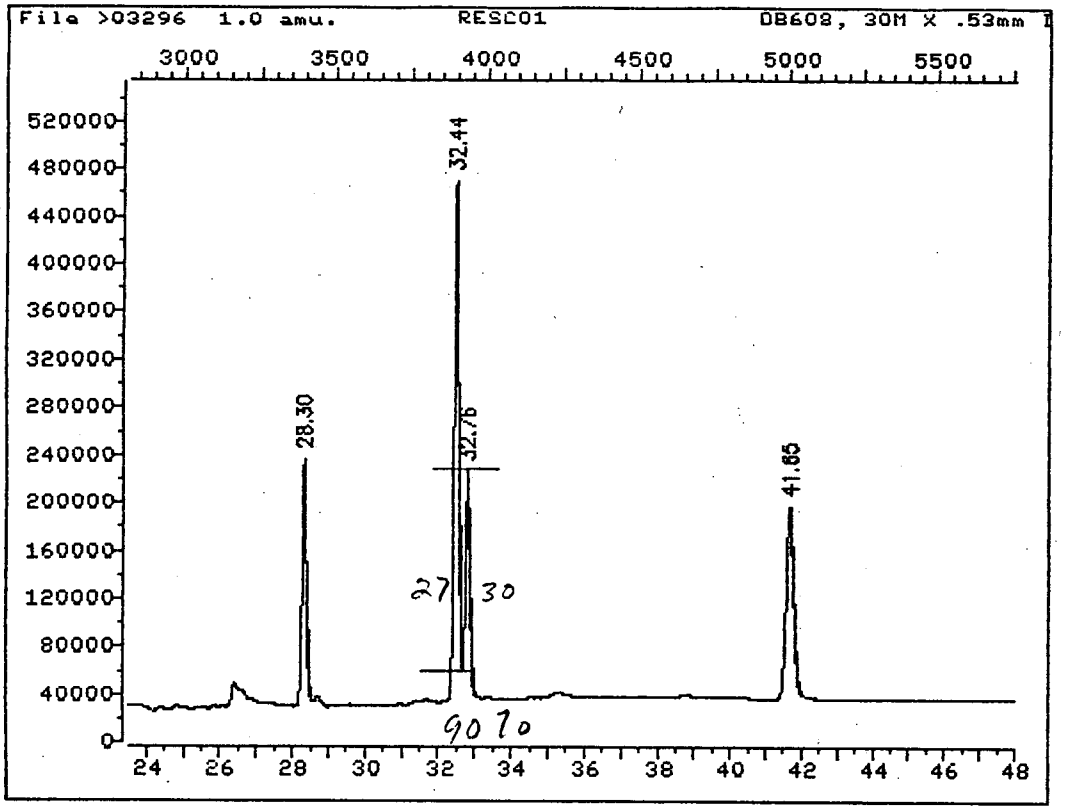

Data File: >03296::F3 Quant Output File: ^03296::GQ
Name: RESC01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 13:53
Injected at: 960713 14:40

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:13
Output File: ^04296::GQ Injected at: 960713 14:40
Data File: >04296::G1 Dilution Factor: 1.00000
Name: RESC01 Instrument ID: GC04
Disc: DB1701, 30M X .53mmINST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	799119	19.53	ng/ml	100
9)	#Endosulfan I	0.010	21.76	2611	316405	9.07	ng/ml	100
10)	#Dieldrin	0.020	23.41	2809	571606	17.81	ng/ml	100
11)	#4,4'-DDE	0.020	22.75	2730	494695	17.47	ng/ml	100
15)	#Endosulfan Sulfate	0.020	30.59	3671	529974	19.32	ng/ml	100
17)	#Methoxychlor	0.100	30.84	3701	1271928	95.02	ng/ml	100
18)	#Endrin ketone	0.020	32.93	3951	606312	19.11	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.70	4644	907781	19.79	ng/ml	100
21)	#gamma-Chlordane	0.010	21.98	2638	348464	8.70	ng/ml	100

Compound uses ESTD

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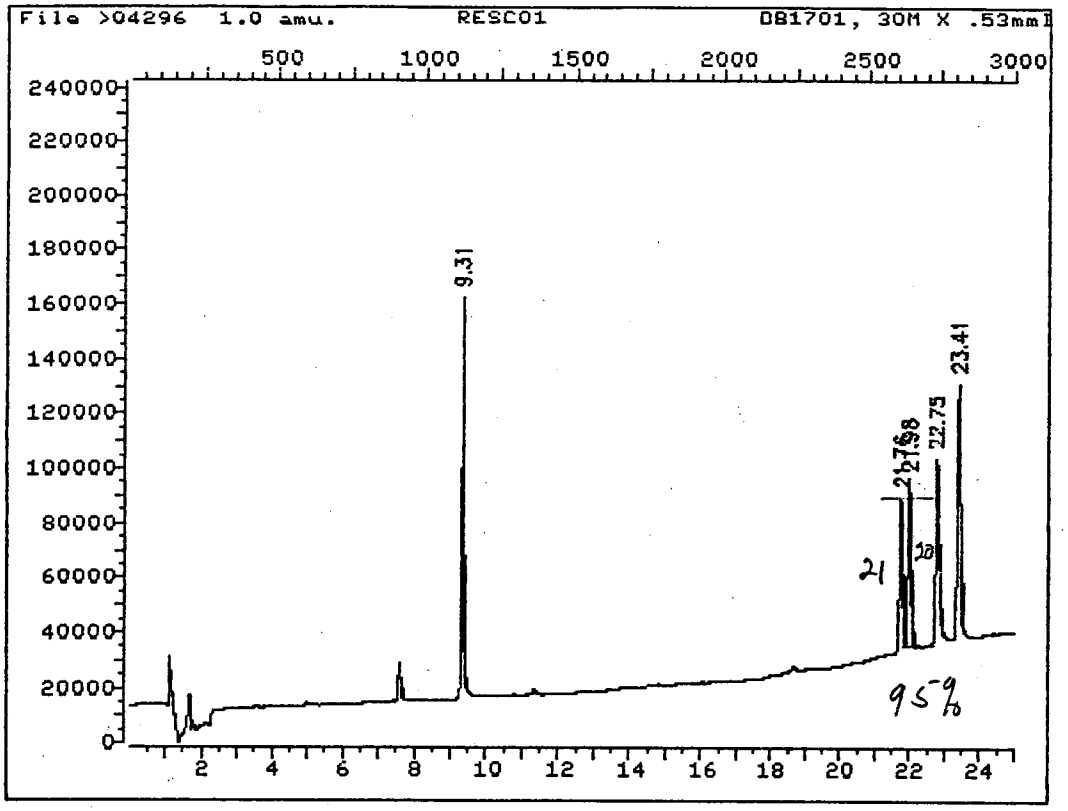

Data File: >04296::G1 Quant Output File: ^04296::GQ
Name: RESC01 Instrument ID: GC04
Misc: DB1701, 30M X .53mmINST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:13
Injected at: 960713 14:40

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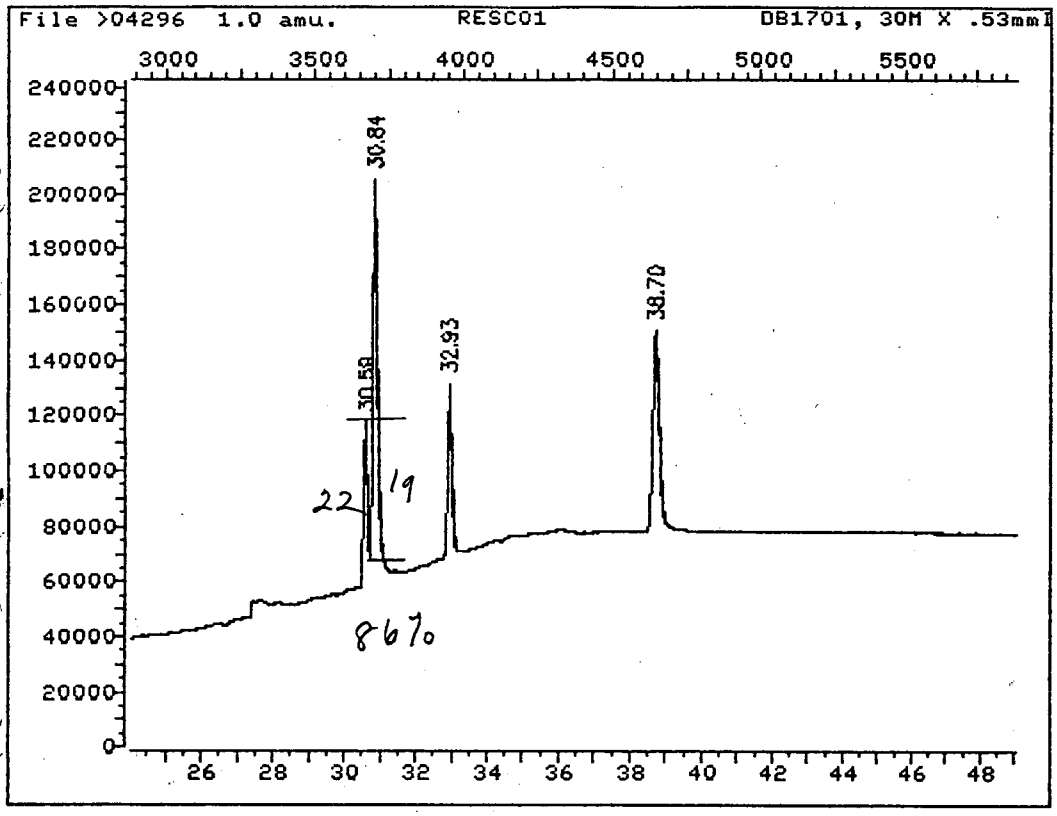

Data File: >04296::G1 Quant Output File: ^04296::GQ
Name: RESC01 Instrument ID: GC04
Misc: DB1701, 30M X .53mmINST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:13
Injected at: 960713 14:40

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QUANT REPORT

Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960705 17:09
Output File: ^03088::F3
Injected at: 960701 14:46
Data File: >03088::G3
Dilution Factor: 1.00000
Name: PEM01
Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	0.020	9.08	1090	2409059	19.25	ng/ml	100
2) #alpha-BHC	0.010	12.48	1498	1414741	9.56	ng/ml	100
3) #beta-BHC	0.010	14.80	1776	764439	9.31	ng/ml	100
5) #gamma-BHC (Lindane)	0.010	14.37	1724	1265841	9.26	ng/ml	100
11) #4,4'-DDE		22.83	2740	97584	1.07	ng/ml	100
12) #Endrin	0.050	24.84	2980	4100276	47.90	ng/ml	100
14) #4,4'-DDD		25.64	3076	32235	.560	ng/ml	100
16) #4,4'-DDT	0.100	27.21	3265	6501286	100.30	ng/ml	100
17) #Methoxychlor	0.250	32.45	3894	9274120	238.87	ng/ml	100
19) #Decachlorobiphenyl	0.020	41.68	5002	2506115	20.94	ng/ml	100
30) #Endrin aldehyde		27.62	3314	78062	.990	ng/ml	100

Compound uses ESTD

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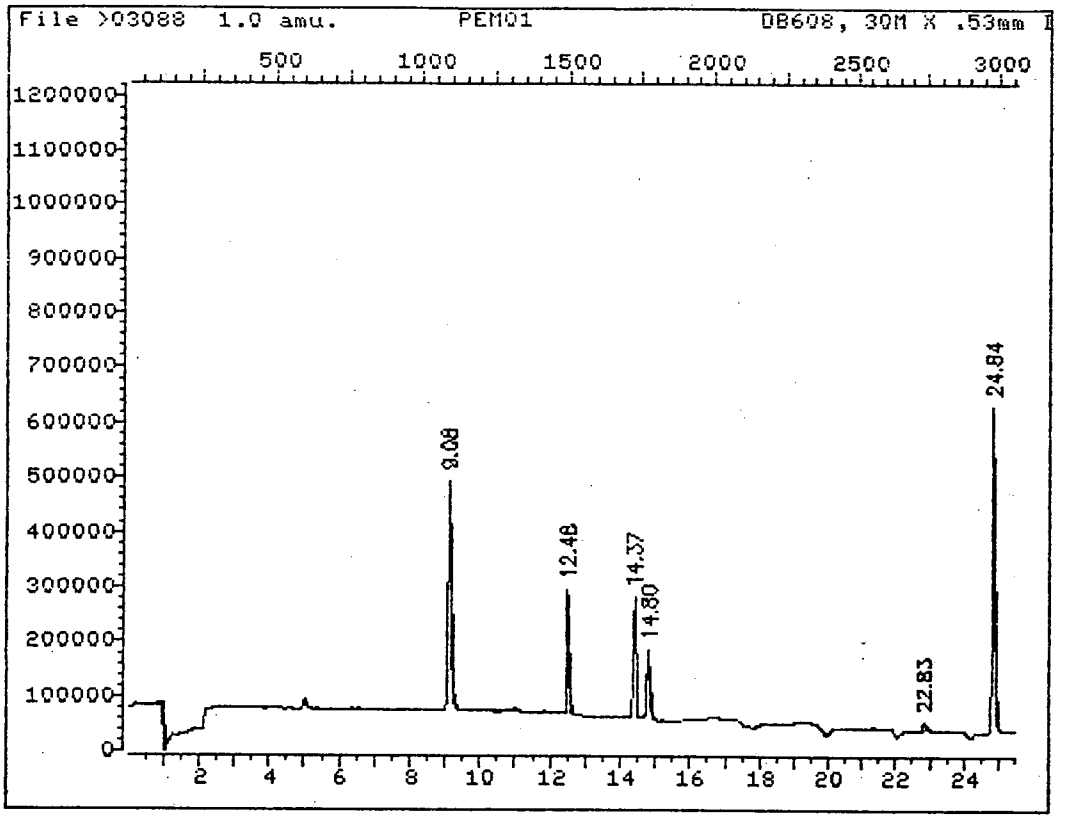

Data File: >03088::G3 Quant Output File: ^03088::F3
Name: PEM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960705 17:09
Injected at: 960701 14:46

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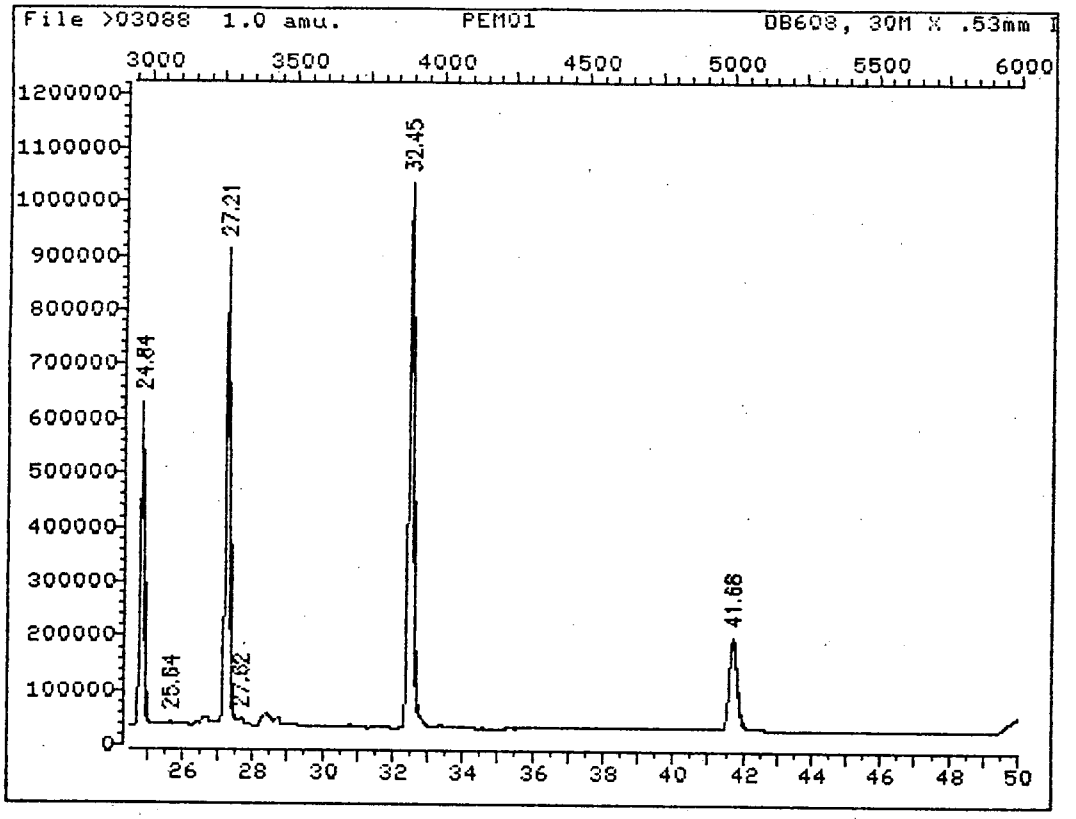

Data File: >03088::G3 Quant Output File: ^03088::F3
Name: PEM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960705 17:09
Injected at: 960701 14:46

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QUANT REPORT

Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960702 21:51
Output File: ^04088::F3
Injected at: 960701 14:46
Data File: >04088::G5
Dilution Factor: 1.00000
Name: PEM01
Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	820457	19.81	ng/ml	100
2)	#alpha-BHC	0.010	13.43	1612	293517	8.96	ng/ml	100
3)	#beta-BHC	0.010	18.63	2236	237662	9.04	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.27	1833	300012	8.82	ng/ml	100
11)	#4,4'-DDE		22.78	2733	69711	2.51	ng/ml	100
12)	#Endrin	0.050	24.37	2924	1417114	48.89	ng/ml	100
14)	#4,4'-DDD		26.54	3184	63108	2.99	ng/ml	100
16)	#4,4'-DDT	0.100	27.43	3291	1882251	114.22	ng/ml	100
17)	#Methoxychlor	0.250	30.84	3701	3399375	253.01	ng/ml	100
18)	#Endrin ketone		32.94	3952	23497	.834	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.70	4644	950866	20.36	ng/ml	100
30)	#Endrin aldehyde		28.87	3464	14738	.485	ng/ml	100

Compound uses ESTD

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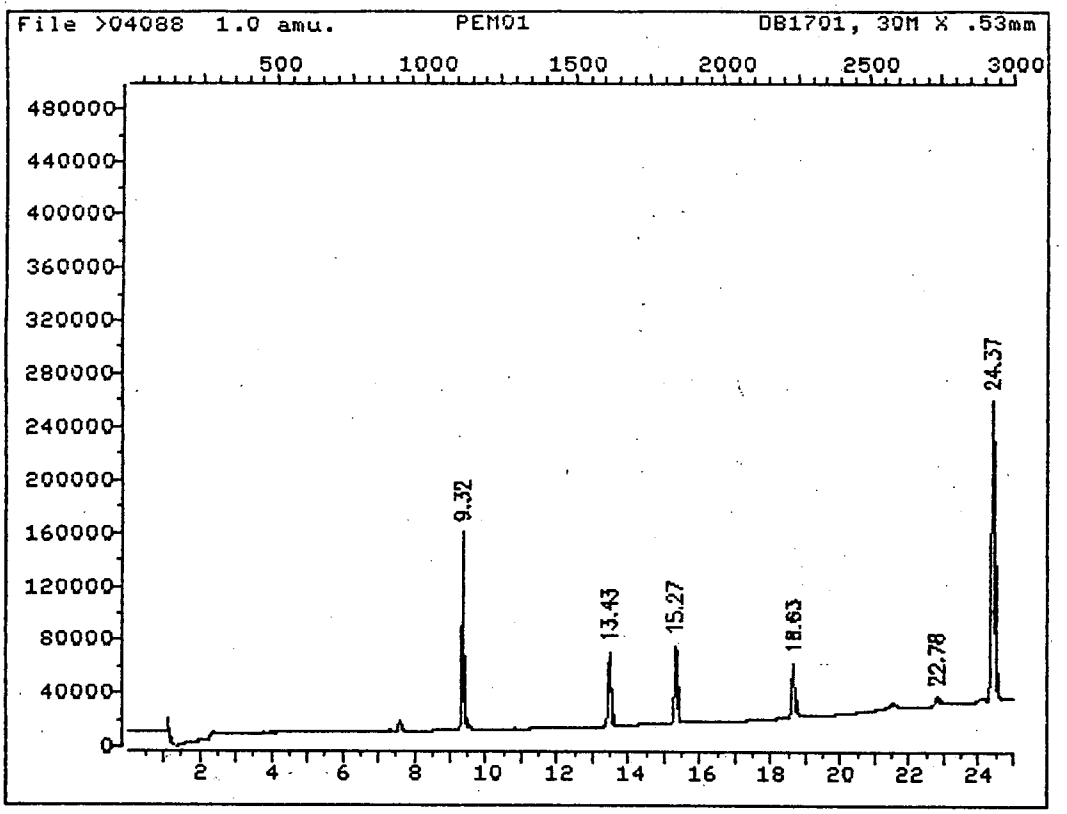

Data File: >04088::G5 Quant Output File: ^04088::F3
Name: PEM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 21:51
Injected at: 960701 14:46

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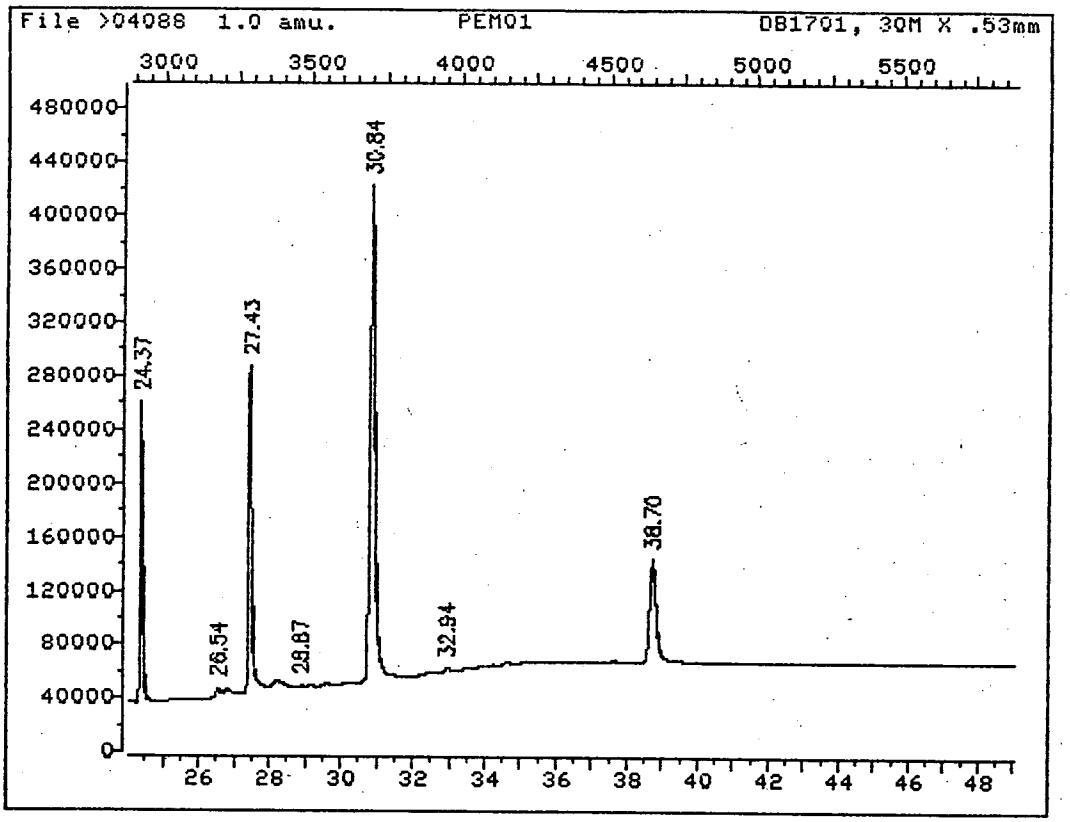

Data File: >04088::G5 Quant Output File: ^04088::F3
Name: PEM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 21:51
Injected at: 960701 14:46

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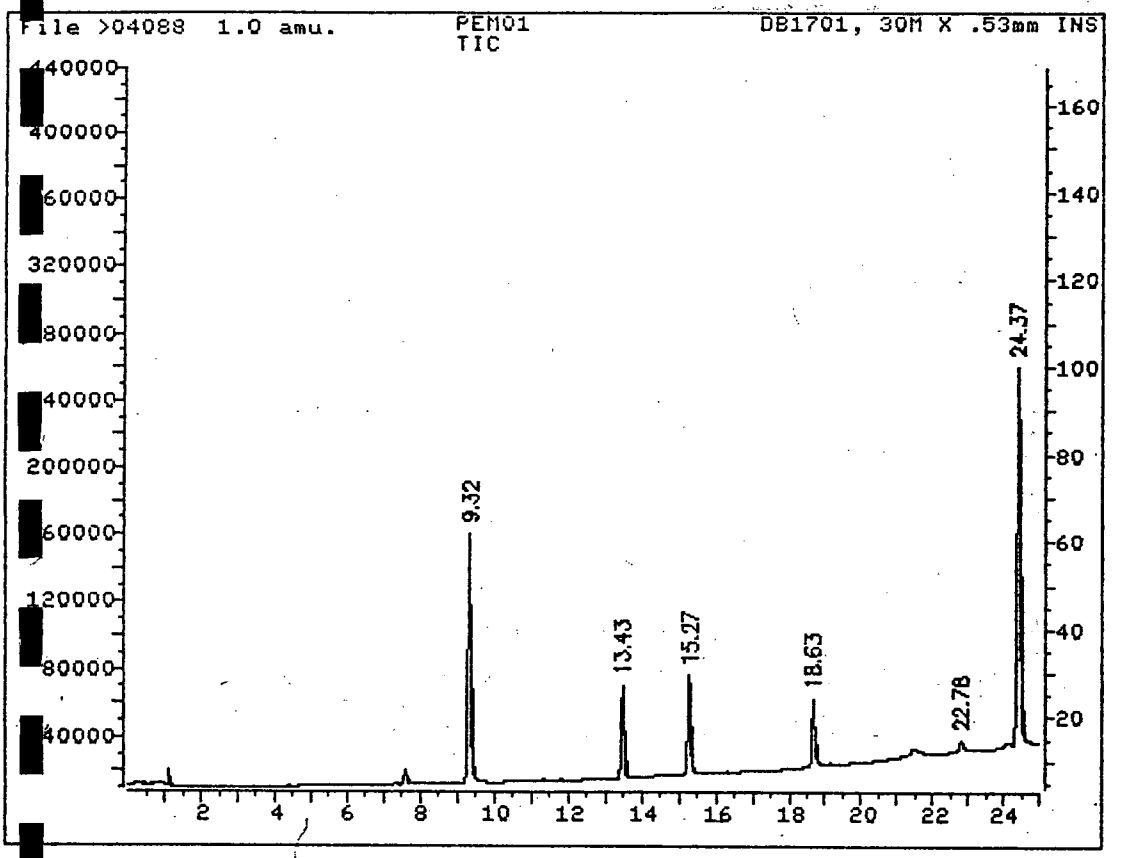
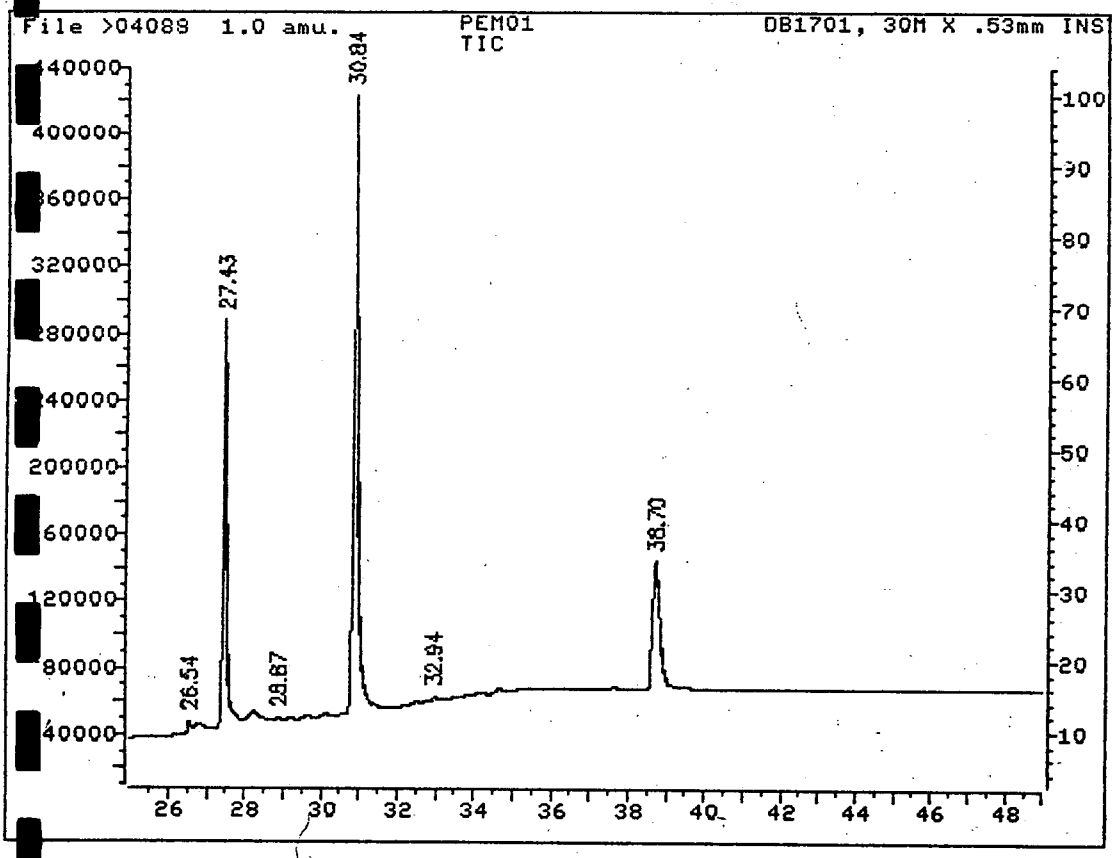


S data file header from : >04088::G5

Sample: PEM01 Operator: TRFIL 7/01/96 14:46
isc : DB1701, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



S data file header from : >04088::G5

Sample: PEM01 Operator: TRFIL 7/01/96 14:46
isc : DB1701, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

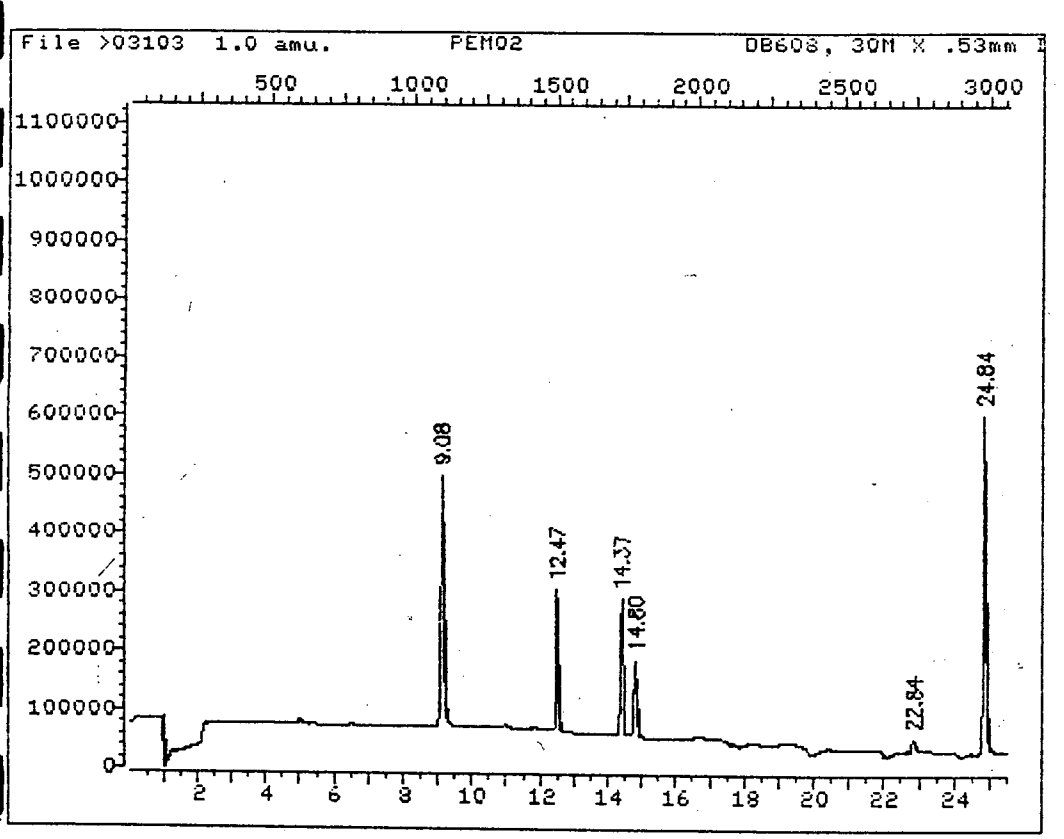
perator ID: TRFIL
Quant Rev: 7
Quant Time: 960705 17:16
Output File: ^03103::F3
Injected at: 960702 04:57
Data File: >03103::G3
Dilution Factor: 1.00000
ame: PEM02
Instrument ID: GC03
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

D File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	NG INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2441996	19.51	ng/ml	100
2)	#alpha-BHC	0.010	12.47	1497	1322235	8.93	ng/ml	100
3)	#beta-BHC	0.010	14.80	1776	791710	9.65	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	14.37	1724	1295717	9.48	ng/ml	100
11)	#4,4'-DDE		22.84	2741	175436	1.92	ng/ml	100
12)	#Endrin	0.050	24.84	2980	4141582	48.39	ng/ml	100
14)	#4,4'-DDD		25.64	3077	54904	.953	ng/ml	100
16)	#4,4'-DDT		27.22	3266	6265038	96.66	ng/ml	100
17)	#Methoxychlor	0.100	32.46	3895	8957544	230.72	ng/ml	100
19)	#Decachlorobiphenyl	0.250	41.69	5003	2560074	21.39	ng/ml	100
30)	#Endrin aldehyde	0.020	27.62	3314	186113	2.36	ng/ml	100

Compound uses ESTD

JMO 7/13/96



Data File: >03103::G3 Quant Output File: ^03103::F3
Name: PEM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960705 17:16
Injected at: 960702 04:57

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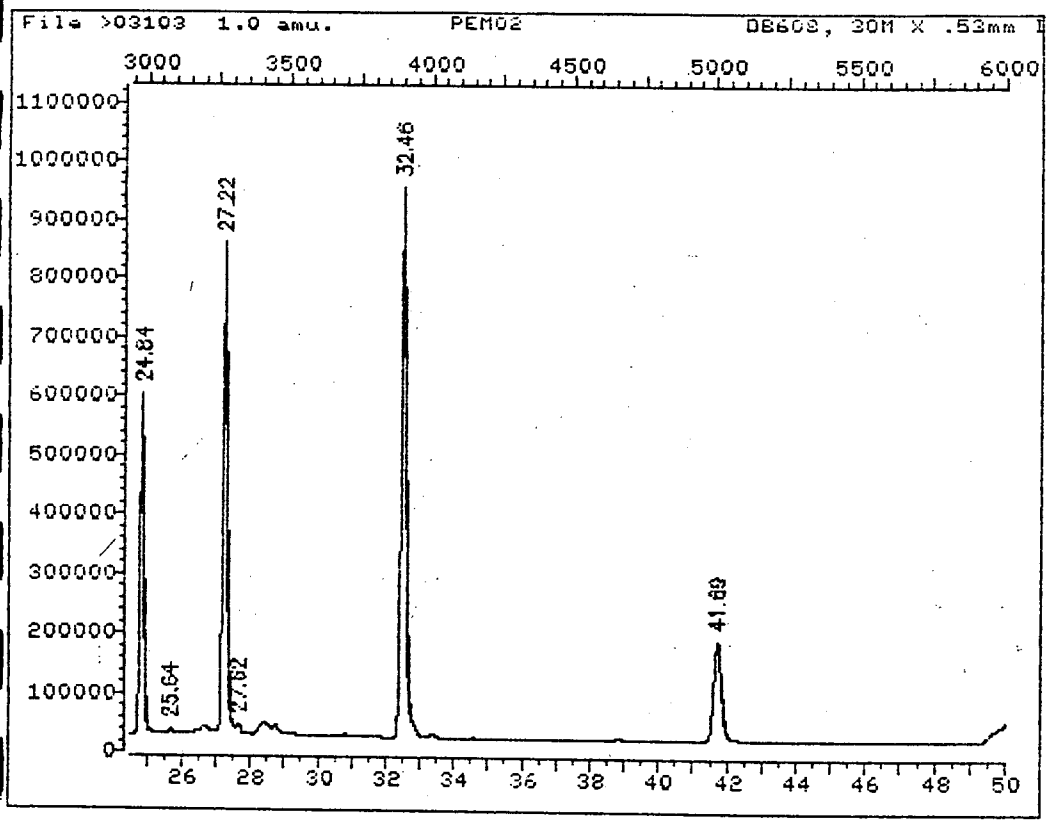

Data File: >03103::G3 Quant Output File: ^03103::F3
Name: PEM02 Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903. 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960705 17:16
Injected at: 960702 04:57

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QUANT REPORT

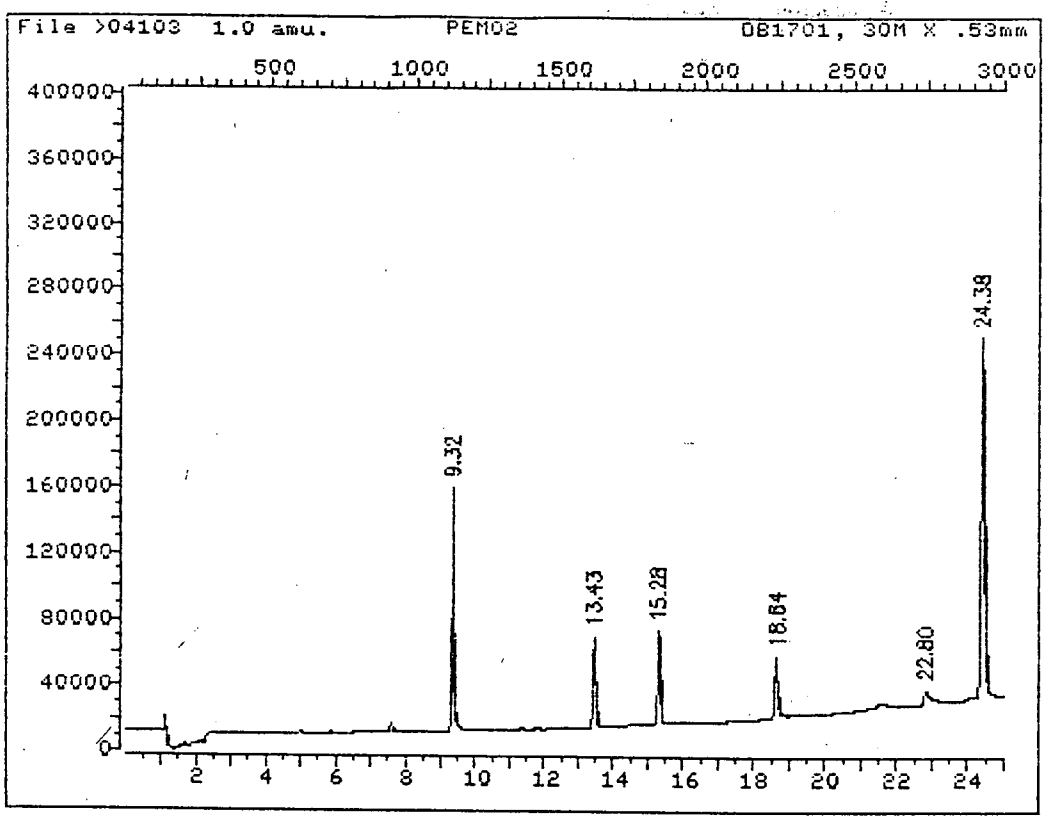
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960702 22:10
Output File: ^04103::F3 Injected at: 960702 04:57
Data File: >04103::G5 Dilution Factor: 1.00000
Name: PEM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	NG_INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	814681	19.67	ng/ml	100
2)	#alpha-BHC	0.010	13.43	1612	293138	8.95	ng/ml	100
3)	#beta-BHC	0.010	18.64	2237	236316	8.99	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.28	1834	299500	8.81	ng/ml	100
11)	#4,4'-DDE		22.80	2736	146439	5.28	ng/ml	100
12)	#Endrin	0.050	24.38	2925	1431121	49.37	ng/ml	100
14)	#4,4'-DDD		26.55	3186	68972	3.26	ng/ml	100
16)	#4,4'-DDT	0.100	27.44	3293	1591935	96.60	ng/ml	100
17)	#Methoxychlor	0.250	30.86	3703	3049405	226.96	ng/ml	100
18)	#Endrin ketone		32.95	3954	29280	1.04	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.73	4648	979457	20.97	ng/ml	100
20)	#Endrin aldehyde		28.89	3466	19960	.657	ng/ml	100

Compound uses ESTD

7/16/96



Data File: >04103::G5 Quant Output File: ^04103::F3
Name: PEM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:10
Injected at: 960702 04:57

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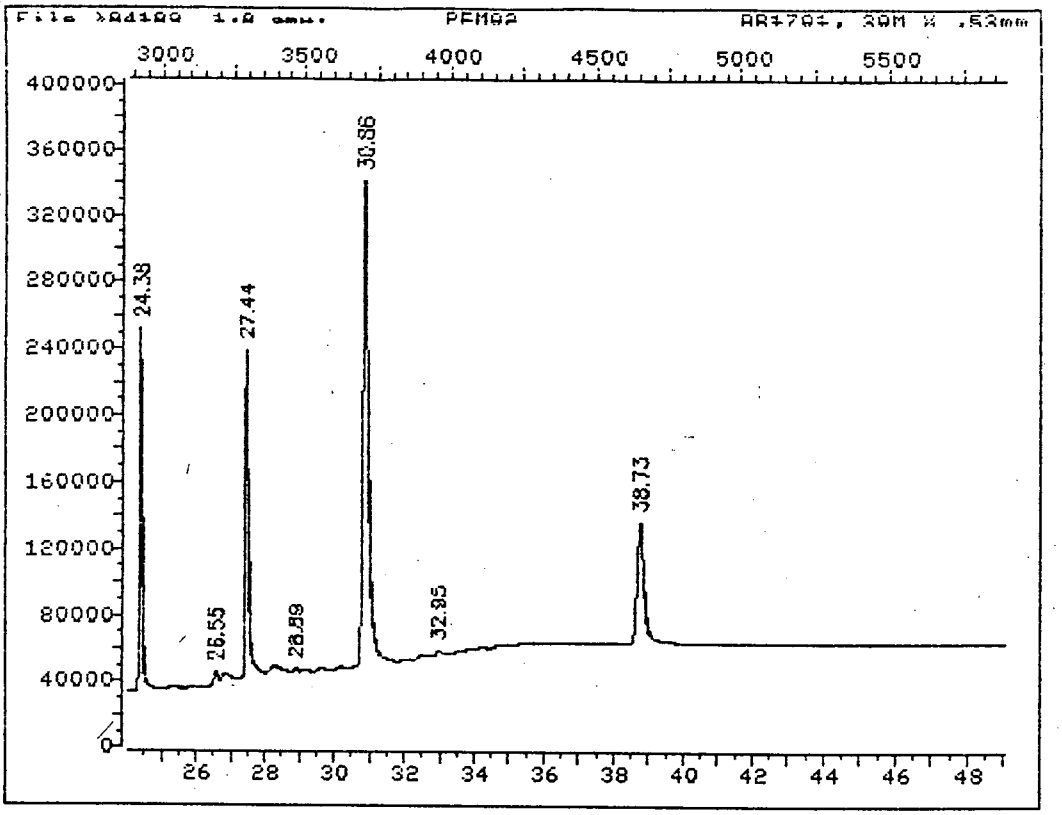

Data File: >04103::G5 Quant Output File: ^04103::F3
Name: PEM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:10
Injected at: 960702 04:57

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QUANT REPORT

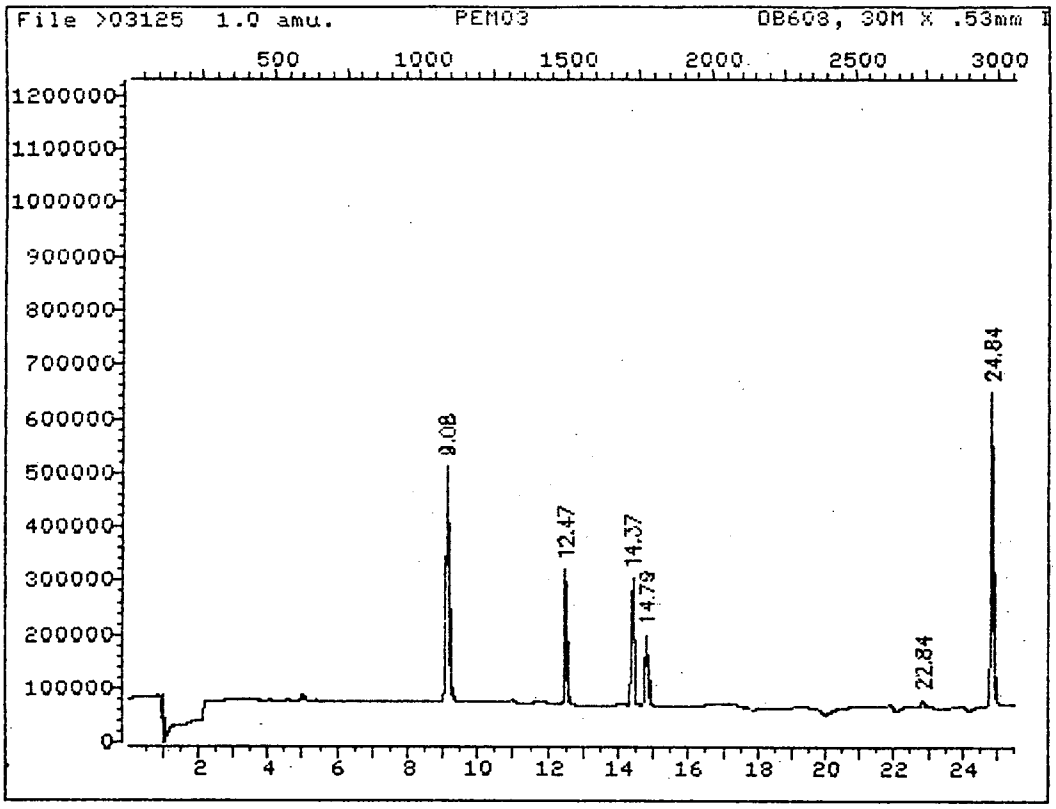
Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960705 17:47
Output File: ^03125::F3
Injected at: 960703 01:50
Data File: >03125::G3
Dilution Factor: 1.00000
Name: PEM03
Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	NJ INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2492498	19.92	ng/ml	100
2)	#alpha-BHC	0.010	12.47	1497	1394820	9.42	ng/ml	100
3)	#beta-BHC	0.010	14.79	1775	779508	9.50	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	14.37	1724	1315479	9.63	ng/ml	100
11)	#4,4'-DDE		22.84	2741	104374	1.14	ng/ml	100
12)	#Endrin	0.050	24.84	2980	4090625	47.79	ng/ml	100
14)	#4,4'-DDD		25.64	3076	8997	.156	ng/ml	100
16)	#4,4'-DDT	0.100	27.21	3265	6375697	98.36	ng/ml	100
17)	#Methoxychlor	0.250	32.46	3895	8826674	227.35	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.68	5002	2694230	22.51	ng/ml	100

Compound uses ESTD

7/13/96



Data File: >03125::G3 Quant Output File: ^03125::F3
Name: PEM03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960705 17:47
Injected at: 960703 01:50

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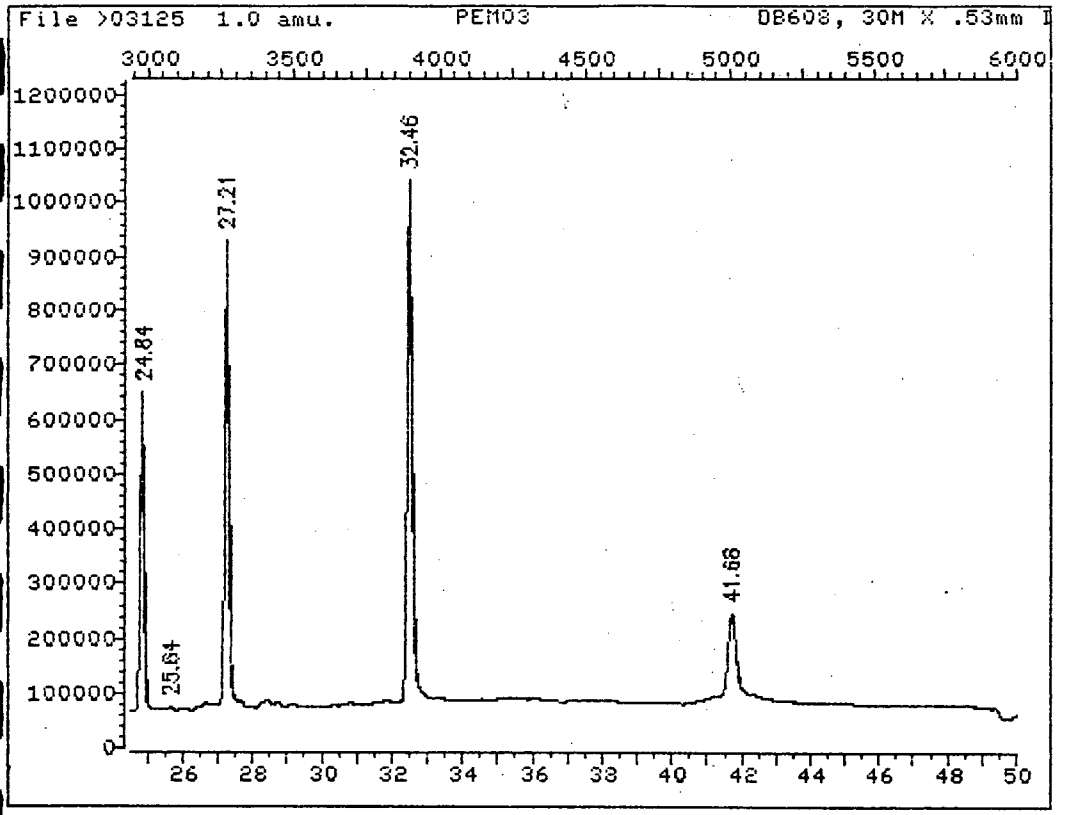

Data File: >03125::G3 Quant Output File: ^03125::F3
Name: PEM03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960705 17:47
Injected at: 960703 01:50

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QUANT REPORT

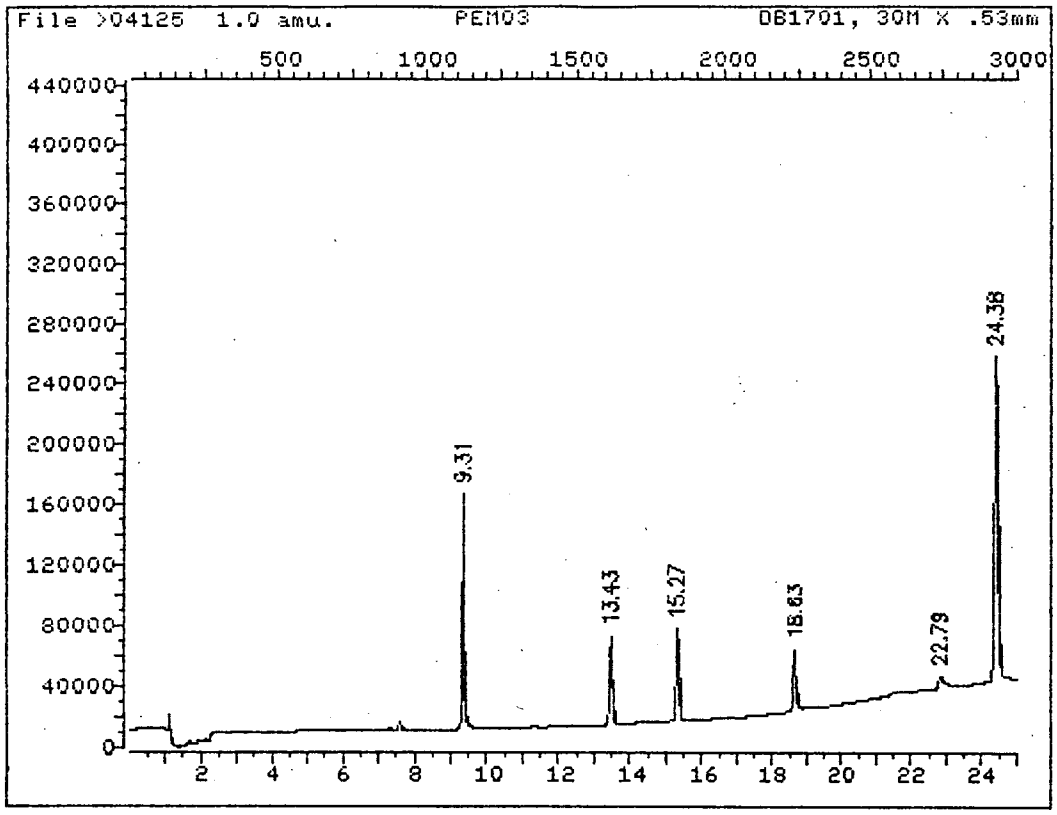
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960708 12:20
Output File: ^04125::F3 Injected at: 960703 01:50
Data File: >04125::G5 Dilution Factor: 1.00000
Name: PEM03 Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	NG INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	842174	20.34	ng/ml	100
2)	#alpha-BHC	0.010	13.43	1612	303801	9.27	ng/ml	100
3)	#beta-BHC	0.010	18.63	2236	311767	11.87	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.27	1833	313188	9.21	ng/ml	100
11)	#4,4'-DDE		22.79	2735	100853	3.63	ng/ml	100
12)	#Endrin	0.050	24.38	2925	1425578	49.18	ng/ml	100
14)	#4,4'-DDD		26.54	3185	127490	6.03	ng/ml	100
16)	#4,4'-DDT	0.100	27.44	3292	1679114	101.89	ng/ml	100
17)	#Methoxychlor	0.200	30.86	3703	3259867	242.19	ng/ml	100
18)	#Endrin ketone		32.95	3954	21901	.778	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.72	4646	914333	19.58	ng/ml	100
30)	#Endrin aldehyde		28.89	3466	16811	.553	ng/ml	100

Compound uses ESTD

7/16/96



Data File: >04125::G5 Quant Output File: ^04125::F3
Name: PEM03 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960708 12:20
Injected at: 960703 01:50

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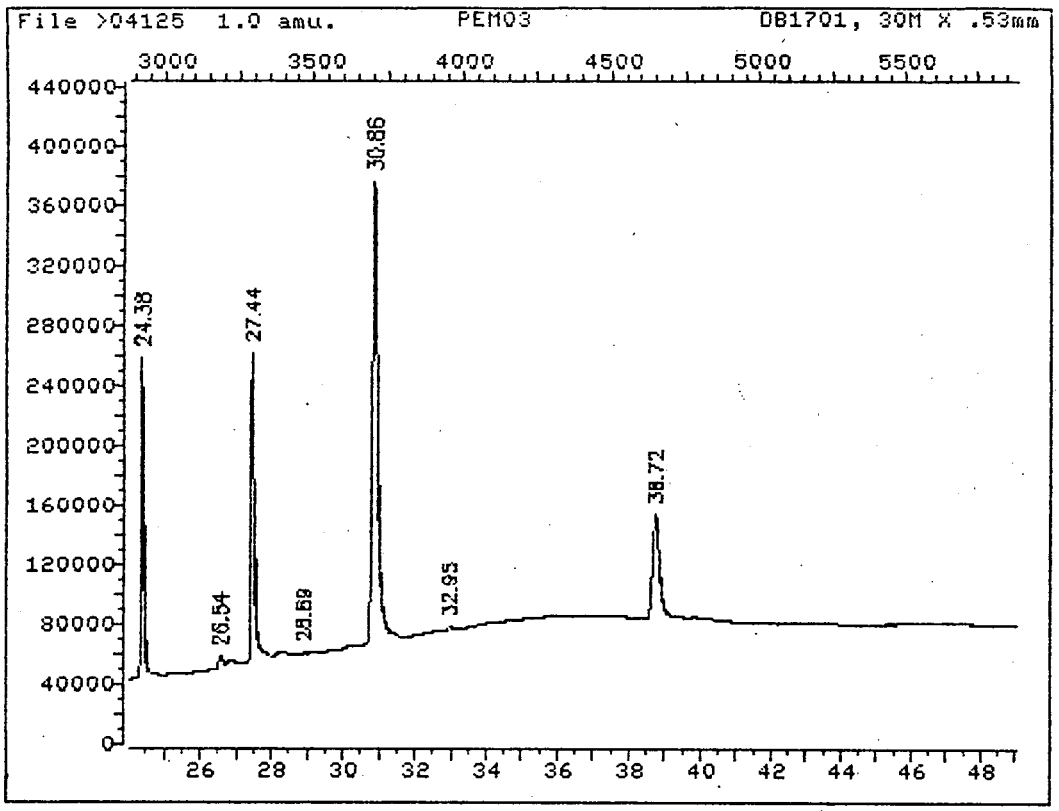

Data File: >04125::G5 Quant Output File: ^04125::F3
Name: PEM03 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960708 12:20
Injected at: 960703 01:50

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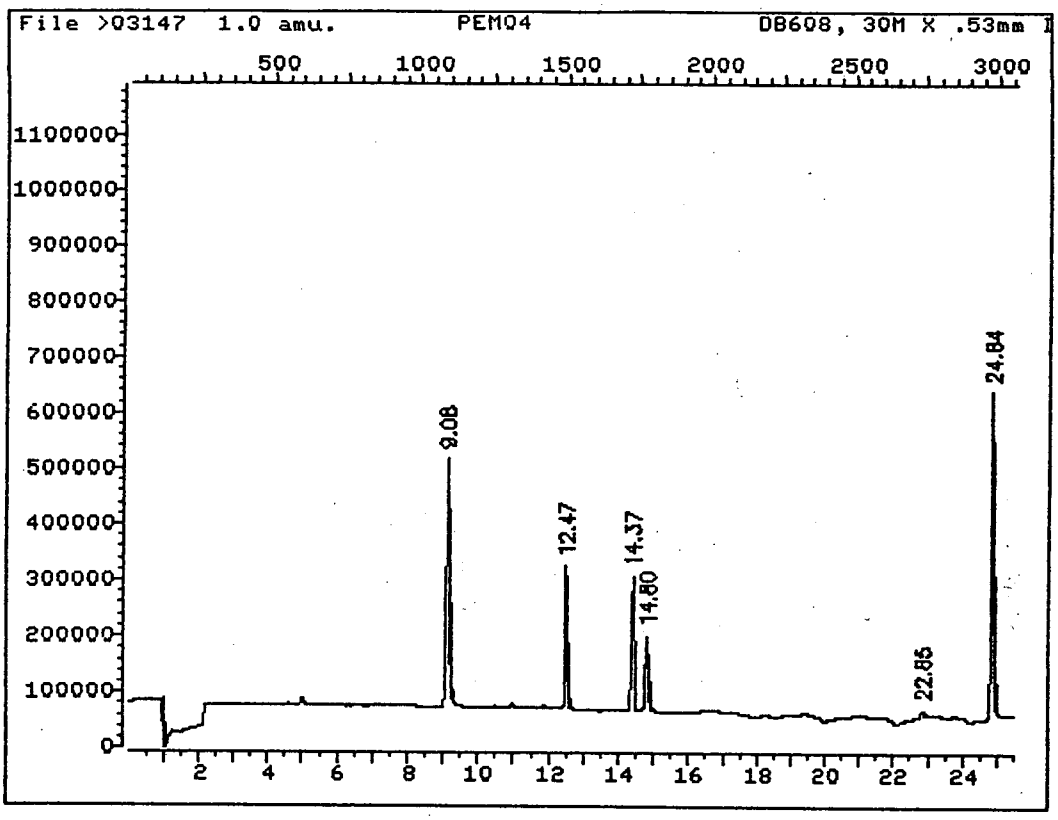
QUANT REPORT

Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960715 12:22
Output File: ^03147::GQ
Injected at: 960704 01:12
Data File: >03147::G3
Dilution Factor: 1.00000
Name: PEM04
Instrument ID: GC03
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2522534	20.16	ng/ml	100
2)	#alpha-BHC	0.010	12.47	1497	1418350	9.58	ng/ml	100
3)	#beta-BHC	0.010	14.80	1776	781687	9.52	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	14.37	1724	1325335	9.70	ng/ml	100
11)	#4,4'-DDE		22.85	2742	109085	1.19	ng/ml	100
12)	#Endrin	0.050	24.84	2980	4154452	48.54	ng/ml	100
14)	#4,4'-DDD		25.64	3077	16235	.282	ng/ml	100
16)	#4,4'-DDT	0.100	27.21	3265	6422063	99.08	ng/ml	100
17)	#Methoxychlor	0.250	32.47	3896	8967362	230.97	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.69	5003	2312792	19.32	ng/ml	100

Compound uses ESTD



Data File: >03147::G3 Quant Output File: ^03147::GQ
Name: PEM04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960715 12:22
Injected at: 960704 01:12

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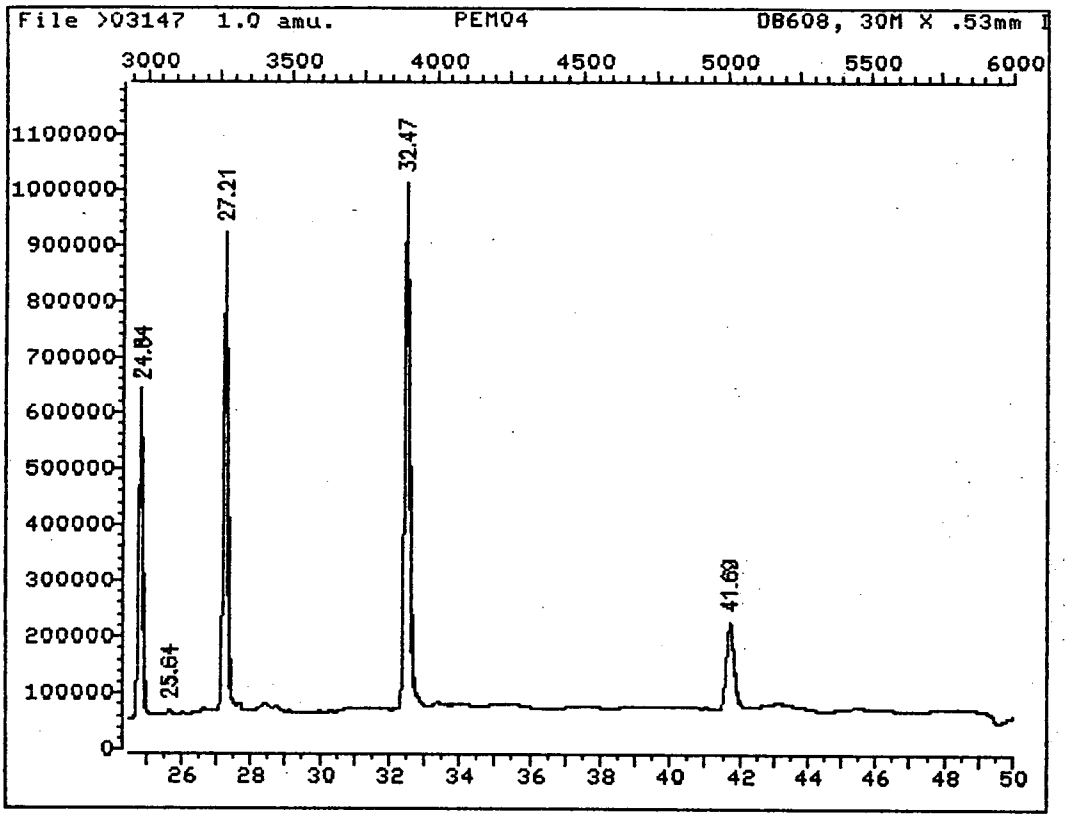

Data File: >03147::G3 Quant Output File: ^03147::GQ
Name: PEM04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960715 12:22
Injected at: 960704 01:12

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04147::GQ
Data File: >04147::G5
Name: PEM04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

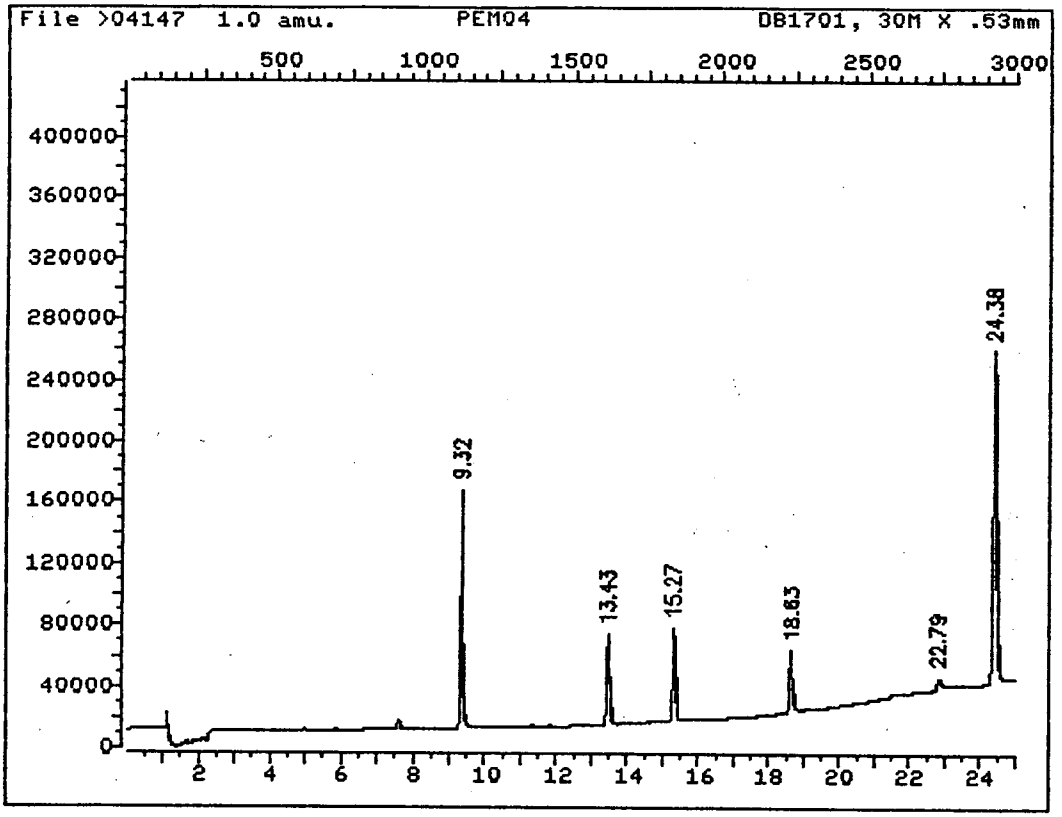
Quant Rev: 7
Quant Time: 960715 12:25
Injected at: 960704 01:12
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	Ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	838281	20.24	ng/ml	100
2)	#alpha-BHC	0.010	13.43	1612	305414	9.32	ng/ml	100
3)	#beta-BHC	0.010	18.63	2236	295115	11.23	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.27	1833	314004	9.23	ng/ml	100
11)	#4,4'-DDE		22.79	2735	95033	3.42	ng/ml	100
12)	#Endrin	0.050	24.38	2925	1414818	48.81	ng/ml	100
14)	#4,4'-DDD		26.54	3185	71329	3.38	ng/ml	100
16)	#4,4'-DDT	0.100	27.44	3293	1641038	99.58	ng/ml	100
17)	#Methoxychlor	0.250	30.86	3703	3109369	231.01	ng/ml	100
18)	#Endrin ketone		32.96	3955	23153	.822	ng/ml	100
19)	#Decachlorobiphenyl	0.200	38.73	4648	932281	19.96	ng/ml	100
30)	#Endrin aldehyde		28.89	3466	19151	.630	ng/ml	100

Compound uses ESTD

7/16/96



Data File: >04147::G5 Quant Output File: ^04147::GQ
Name: PEM04 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960715 12:25
Injected at: 960704 01:12

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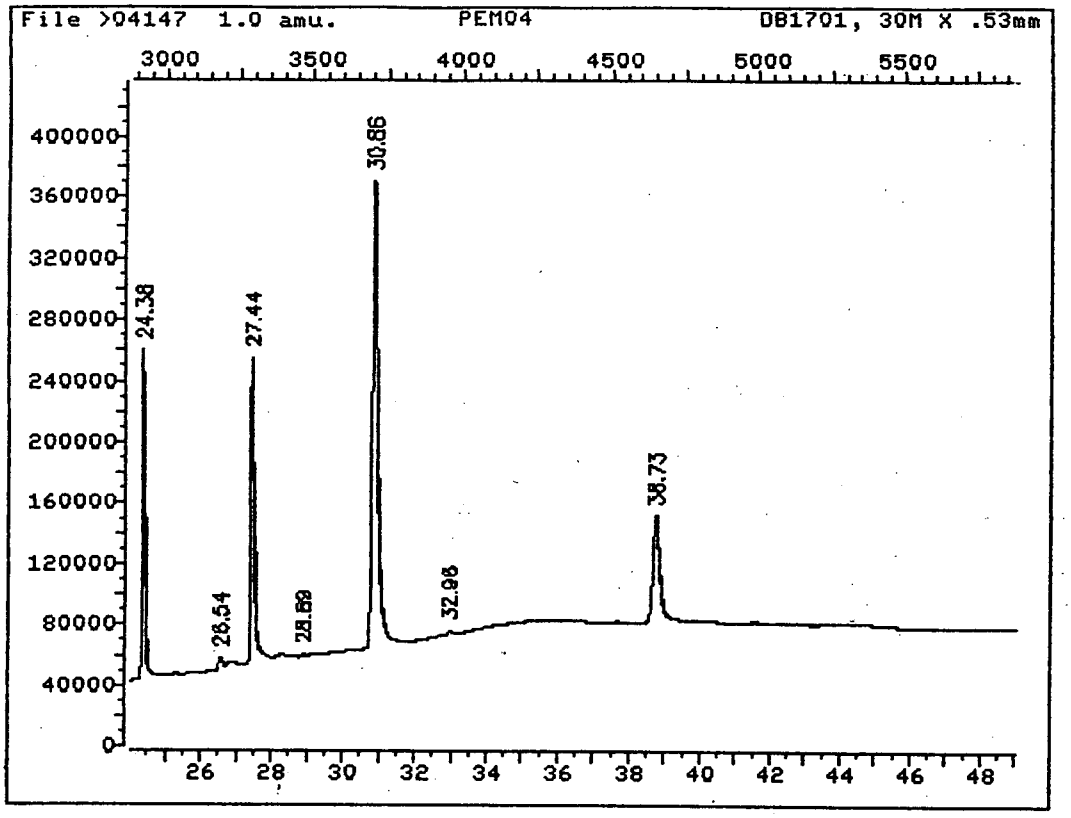

Data File: >04147::G5 Quant Output File: ^04147::GQ
Name: PEM04 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960715 12:25
Injected at: 960704 01:12

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03149::F3
Data File: >03149::G3
Name: PEM0~~85~~ LP
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 13:31
Injected at: 960706 12:38
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2625262	20.98	ng/ml	100
2)	#alpha-BHC	0.010	12.47	1497	1482653	10.02	ng/ml	100
3)	#beta-BHC	0.010	14.79	1775	793073	9.66	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	14.36	1723	1335557	9.77	ng/ml	100
11)	#4,4'-DDE		22.83	2739	96369	1.05	ng/ml	100
12)	#Endrin	0.050	24.83	2979	4256346	49.73	ng/ml	100
14)	#4,4'-DDD		25.63	3075	34503	.599	ng/ml	100
16)	#4,4'-DDT	0.100	27.20	3264	6772450	104.49	ng/ml	100
17)	#Methoxychlor	0.250	32.44	3893	9306944	239.72	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.67	5000	2455295	20.51	ng/ml	100
30)	#Endrin aldehyde		27.61	3313	103678	1.31	ng/ml	100

Compound uses ESTD

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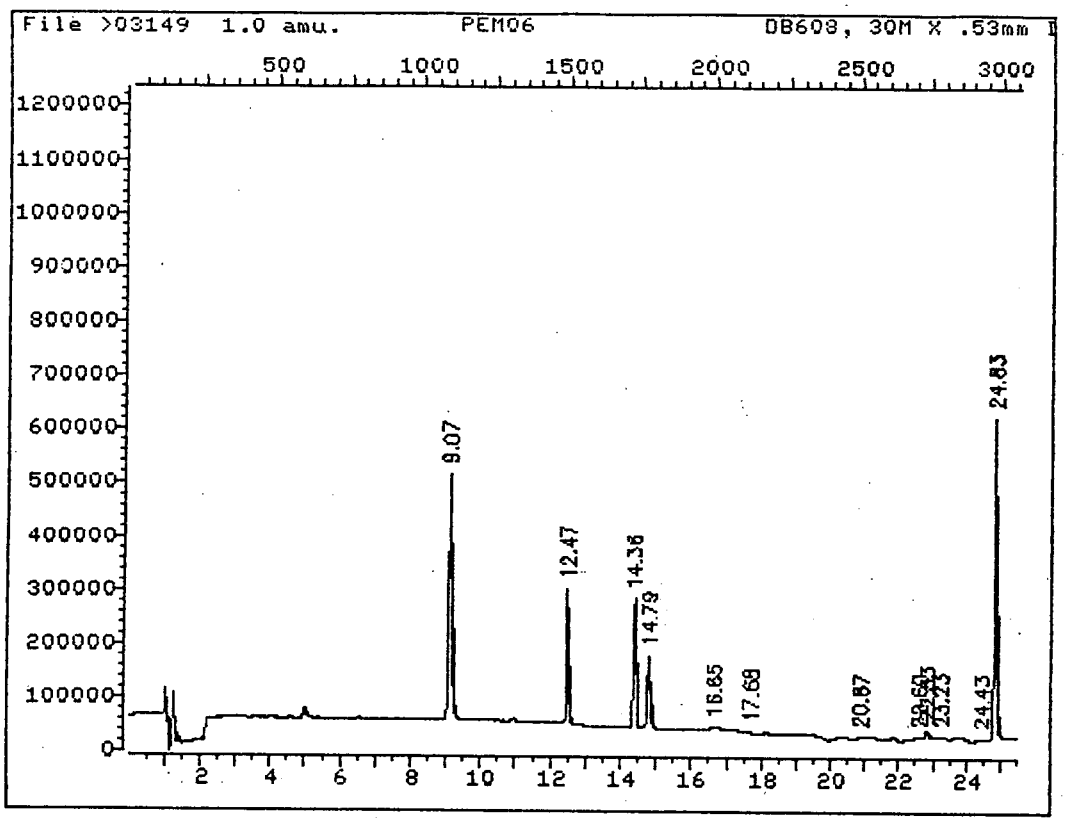

Data File: >03149::G3 Quant Output File: ^03149::F3
Name: PEM065 EP Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960706 13:31
Injected at: 960706 12:38

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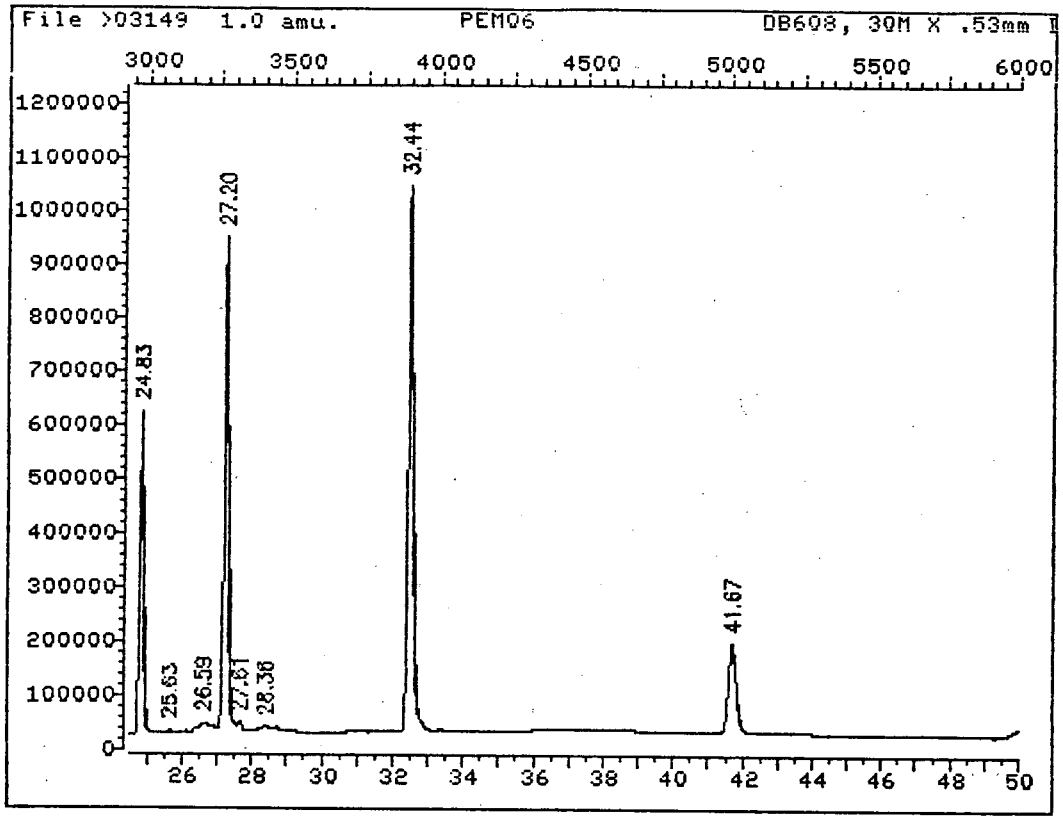

Data File: >03149::G3 Quant Output File: ^03149::F3
Name: PEM065 EP Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960706 13:31
Injected at: 960706 12:38

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04149::F3
Data File: >04149::G5
Name: PEM05
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 13:29
Injected at: 960706 12:38
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	873720	21.10	ng/ml	100
2)	#alpha-BHC	0.010	13.42	1611	293459	8.96	ng/ml	100
3)	#beta-BHC	0.010	18.63	2235	262522	9.99	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.27	1833	305684	8.99	ng/ml	100
11)	#4,4'-DDE		22.78	2733	65006	2.34	ng/ml	100
12)	#Endrin	0.050	24.37	2924	1467571	50.63	ng/ml	100
14)	#4,4'-DDD		26.53	3183	68671	3.25	ng/ml	100
16)	#4,4'-DDT	0.100	27.43	3291	1761643M	106.90	ng/ml	100
17)	#Methoxychlor	0.250	30.84	3701	3432211	255.00	ng/ml	100
18)	#Endrin ketone		32.94	3953	20763	.737	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.70	4644	965720	20.68	ng/ml	100
30)	#Endrin aldehyde		28.87	3464	23532	.774	ng/ml	100

Compound uses ESTD

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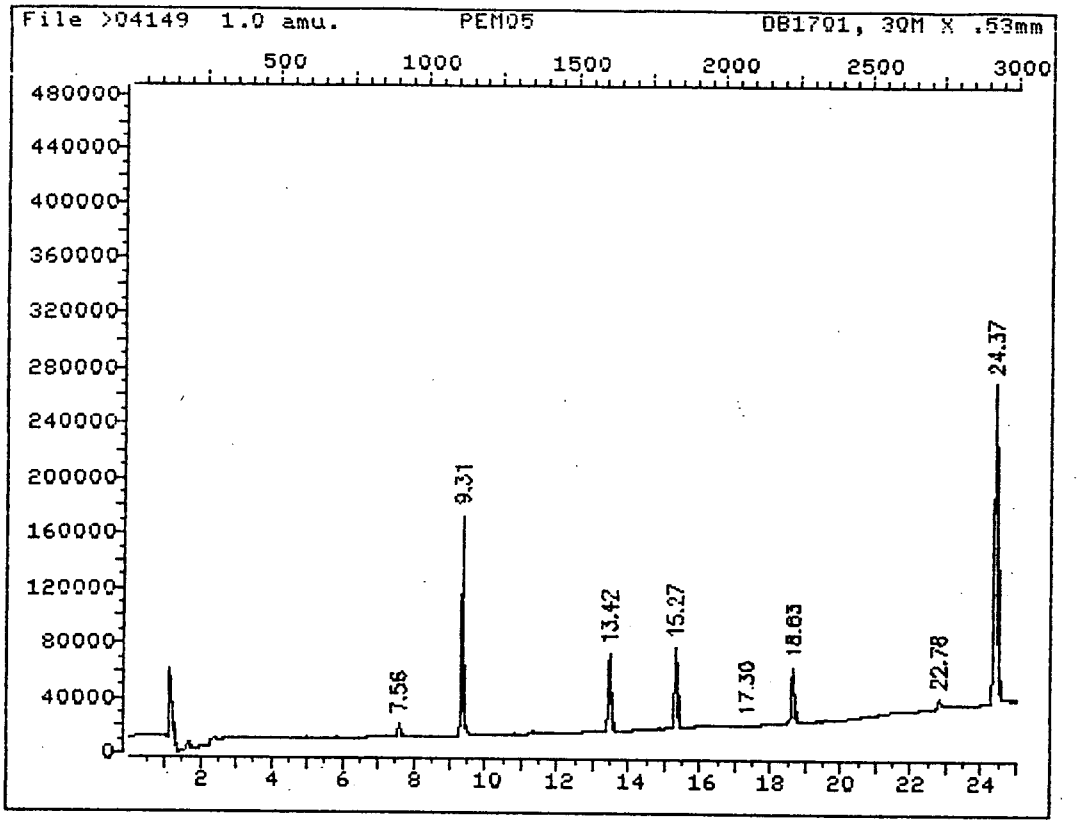

Data File: >04149::G5 Quant Output File: ^04149::F3
Name: PEM05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960706 13:29
Injected at: 960706 12:38

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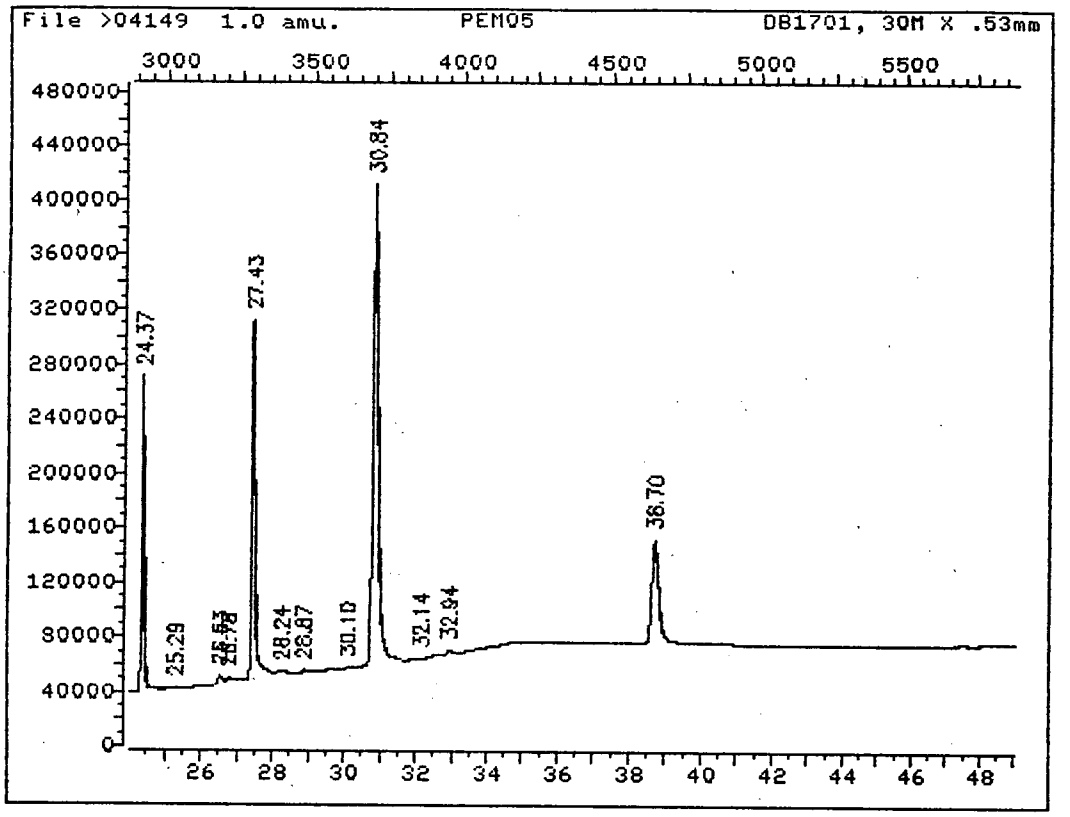

Data File: >04149::G5 Quant Output File: ^04149::F3
Name: PEM05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960706 13:29
Injected at: 960706 12:38

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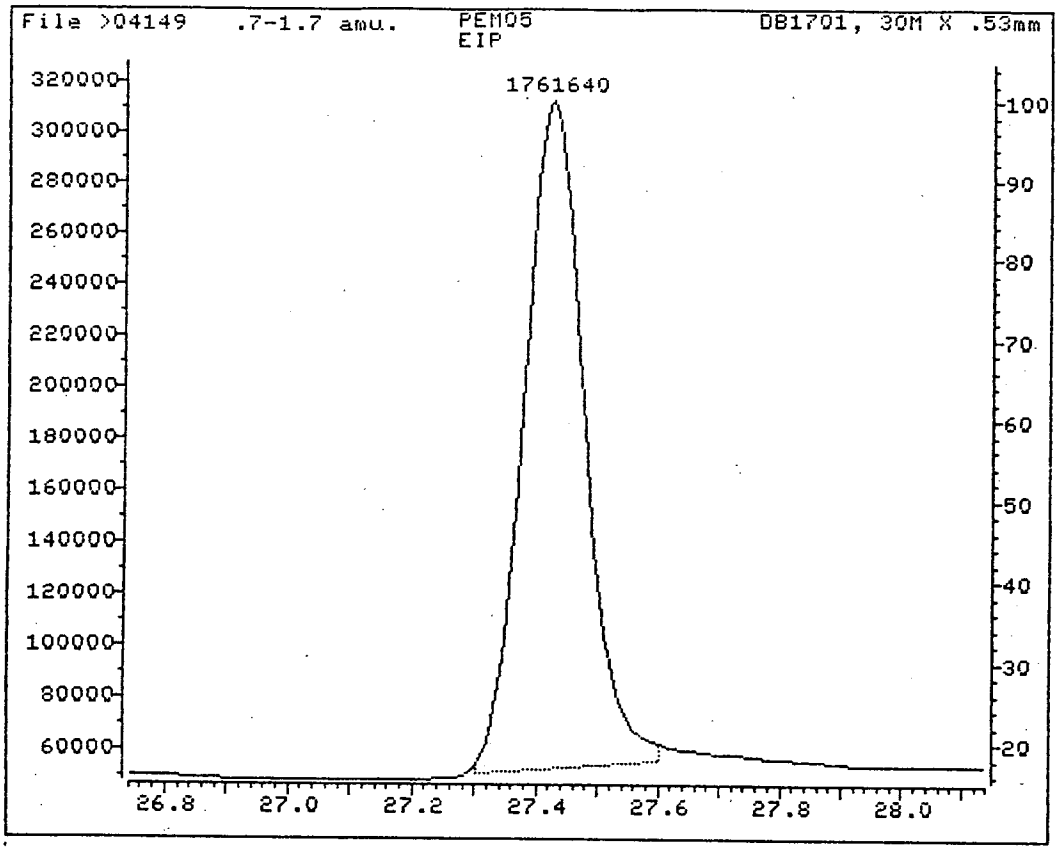
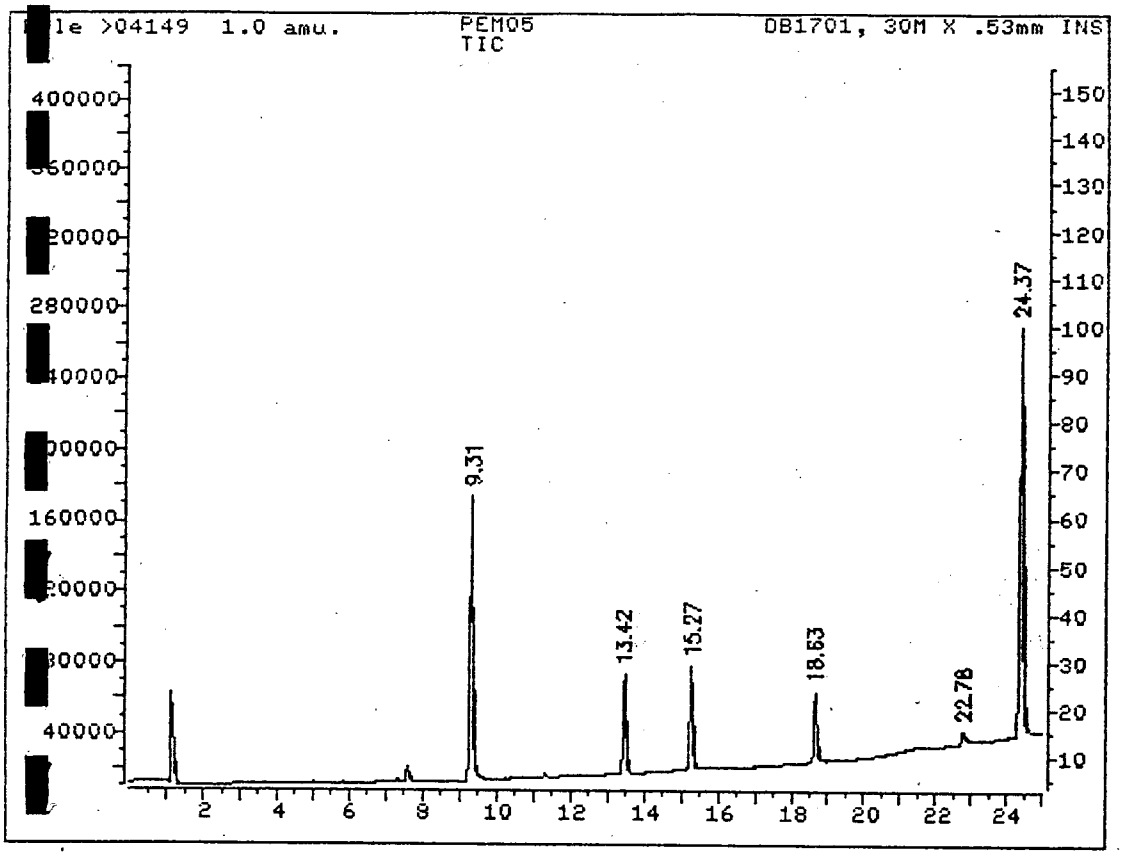


Data File: >04149::G5 Quant Output File: ^04149::F3
Name: PEM05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST.58903, 1ul INJ
Quant Time: 960706 13:29 Quant ID File: IDCAP2::SC
Injected at: 960706 12:38 Last Calibration: 941029 10:07

Compound No: 16
Compound Name: 4,4'-DDT
Scan Number: 3291
Retention Time: 27.43 min.
Quant Ion: 1.0
Area: 1761643M
Concentration: 106.90 ng/ml
q-value: 100

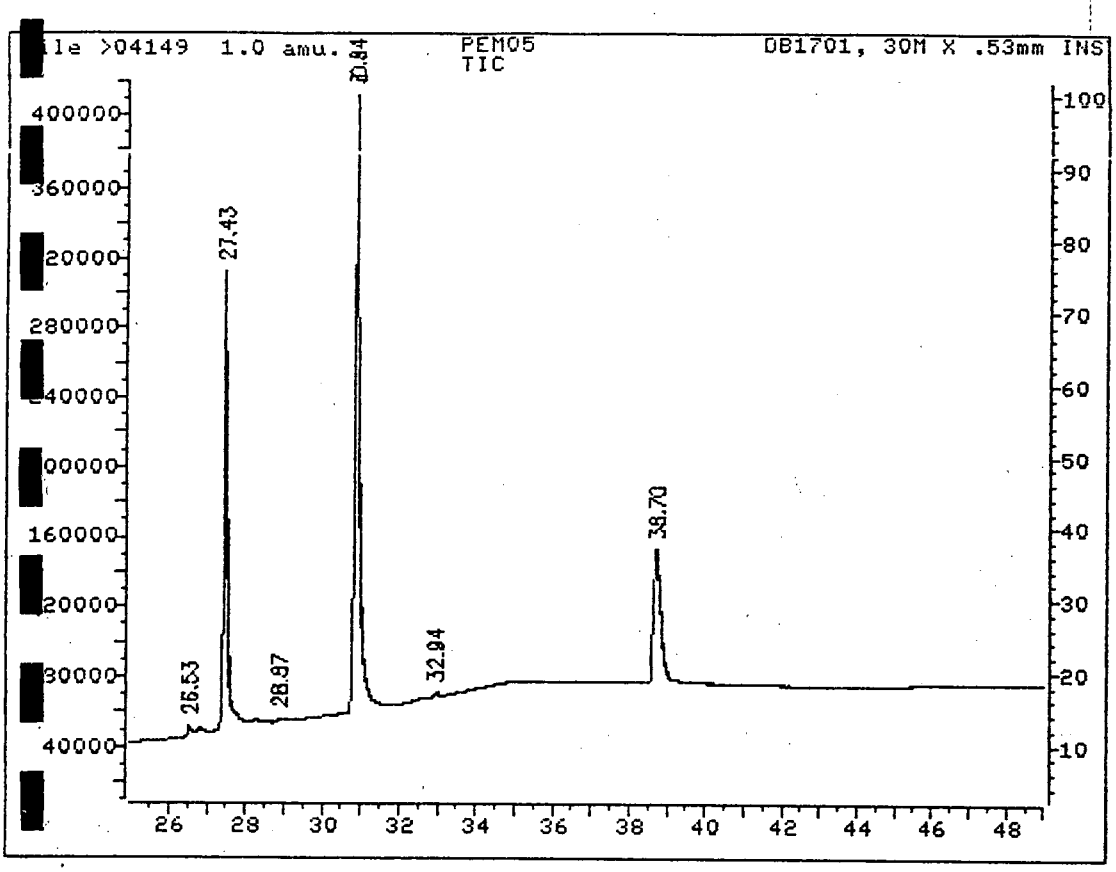
This report was produced by QAREA on: 960709 13:47



MS data file header from : >04149::G5

ample: PEM05 Operator: TRFIL 7/06/96 12:38
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >04149::G5

ample: PEM05 Operator: TRFIL 7/06/96 12:38
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 13:55
Output File: ^03297::GQ Injected at: 960713 15:35
Data File: >03297::F3 Dilution Factor: 1.00000
Name: PEM01A Instrument ID: GC03
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2374203	19.85	ng/ml	100
2)	#alpha-BHC	0.010	12.47	1497	1393655	9.35	ng/ml	100
3)	#beta-BHC	0.010	14.79	1775	813590	9.95	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	14.36	1723	1338857	9.66	ng/ml	100
11)	#4,4'-DDE		22.83	2739	147555	1.60	ng/ml	100
12)	#Endrin	0.050	24.82	2978	4335837	49.61	ng/ml	100
14)	#4,4'-DDD		25.61	3073	154263	2.50	ng/ml	100
16)	#4,4'-DDT	0.100	27.20	3264	6959740	102.45	ng/ml	100
17)	#Methoxychlor	0.250	32.44	3893	9697108	243.74	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.66	4999	2451609	21.20	ng/ml	100
30)	#Endrin aldehyde		27.60	3312	131538	1.63	ng/ml	100

Compound uses ESTD

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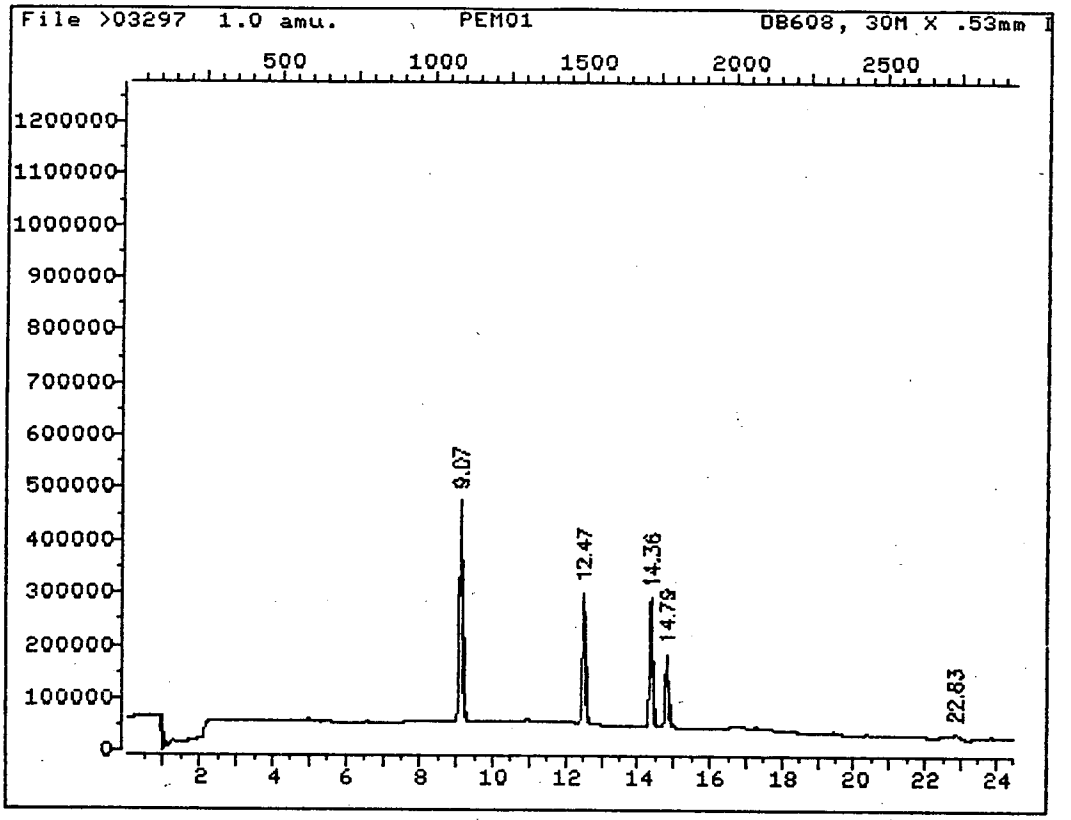

Data File: >03297::F3 Quant Output File: ^03297::GQ
Name: PEM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 13:55
Injected at: 960713 15:35

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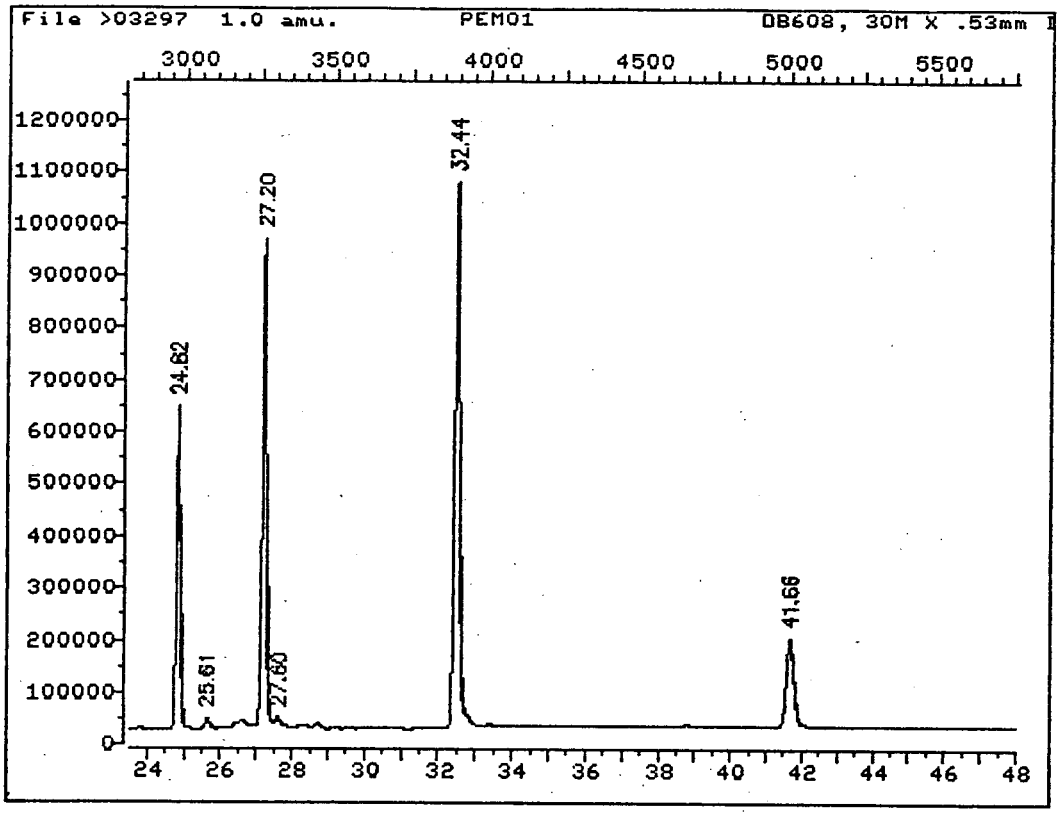

Data File: >03297::F3 Quant Output File: ^03297::GQ
Name: PEM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 13:55
Injected at: 960713 15:35

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:14
Output File: ^04297::GQ Injected at: 960713 15:35
Data File: >04297::G1 Dilution Factor: 1.00000
Name: PEM01 Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	828248	20.24	ng/ml	100
2)	#alpha-BHC	0.010	13.42	1611	304695	9.36	ng/ml	100
3)	#beta-BHC	0.010	18.63	2235	240899	9.60	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.27	1832	318996	9.38	ng/ml	100
11)	#4,4'-DDE		22.77	2732	55867	1.97	ng/ml	100
12)	#Endrin	0.050	24.37	2924	1477803	50.89	ng/ml	100
14)	#4,4'-DDD		26.52	3182	85462	4.45	ng/ml	100
16)	#4,4'-DDT	0.100	27.42	3290	2026752	115.97	ng/ml	100
17)	#Methoxychlor	0.250	30.83	3699	3445318	257.39	ng/ml	100
18)	#Endrin ketone		32.93	3951	40258	1.27	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.69	4643	957921	20.89	ng/ml	100
30)	#Endrin aldehyde		28.86	3463	34619	1.08	ng/ml	100

Compound uses ESTD

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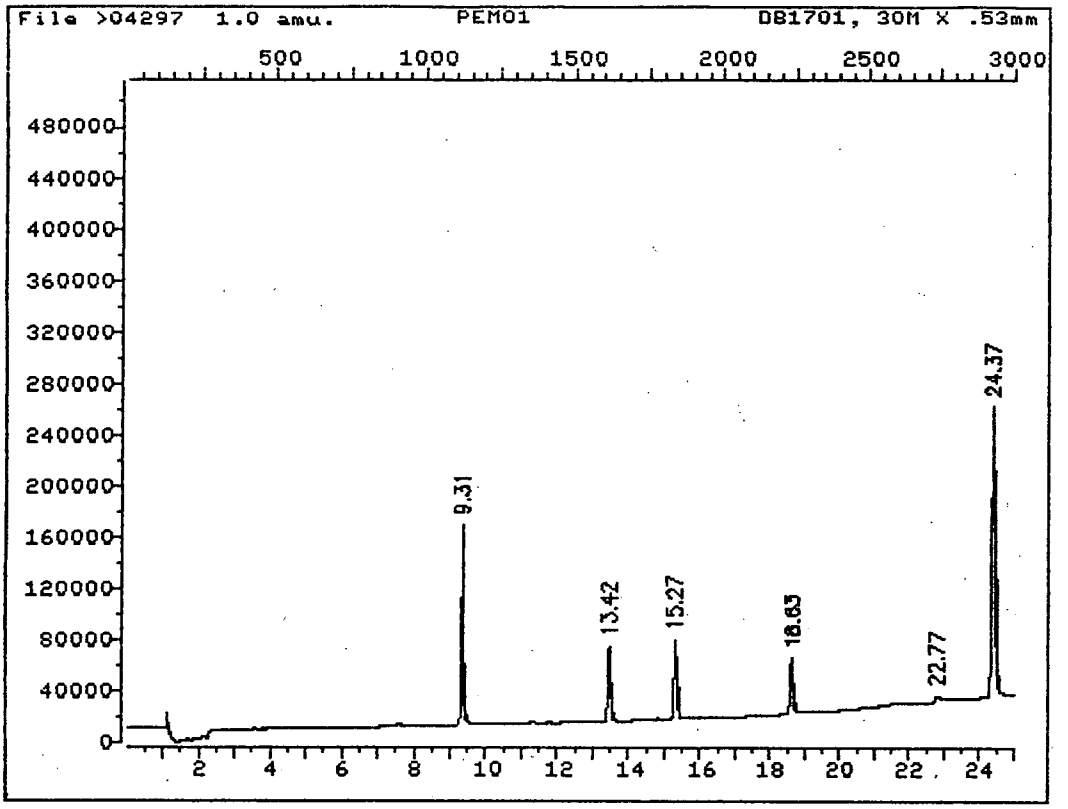

Data File: >04297::G1 Quant Output File: ^04297::GQ
Name: PEM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:14
Injected at: 960713 15:35

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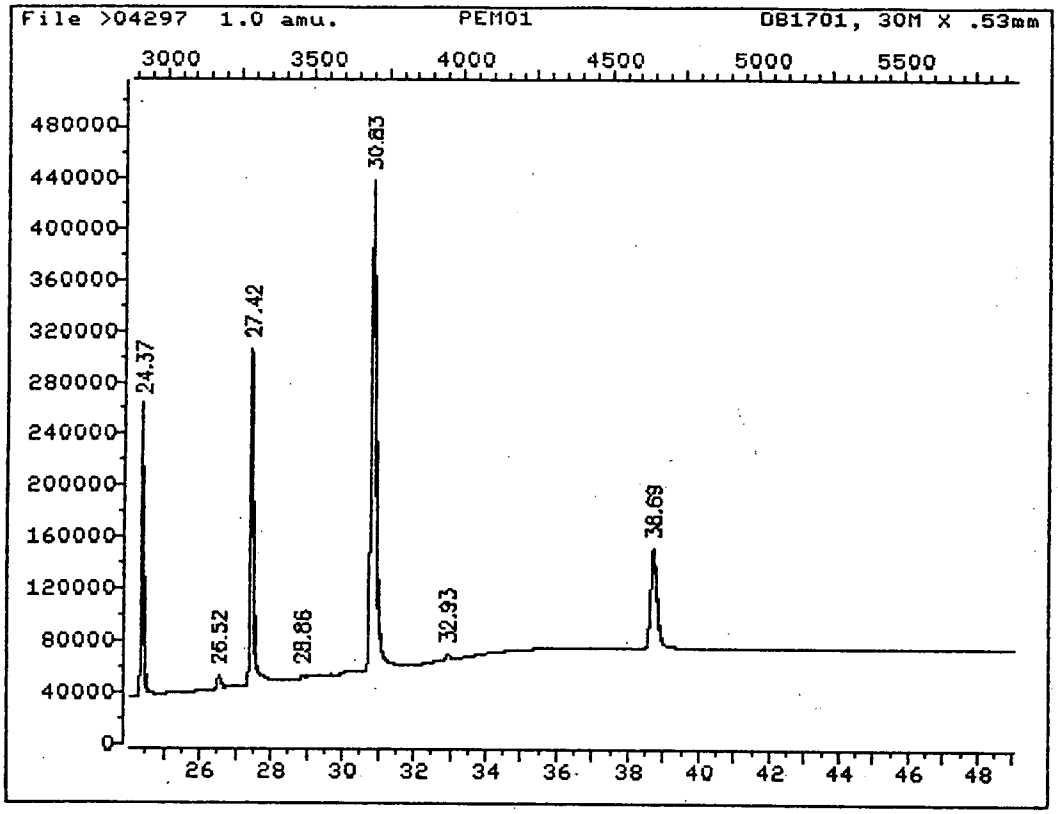

Data File: >04297::G1 Quant Output File: ^04297::GQ
Name: PEM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:14
Injected at: 960713 15:35

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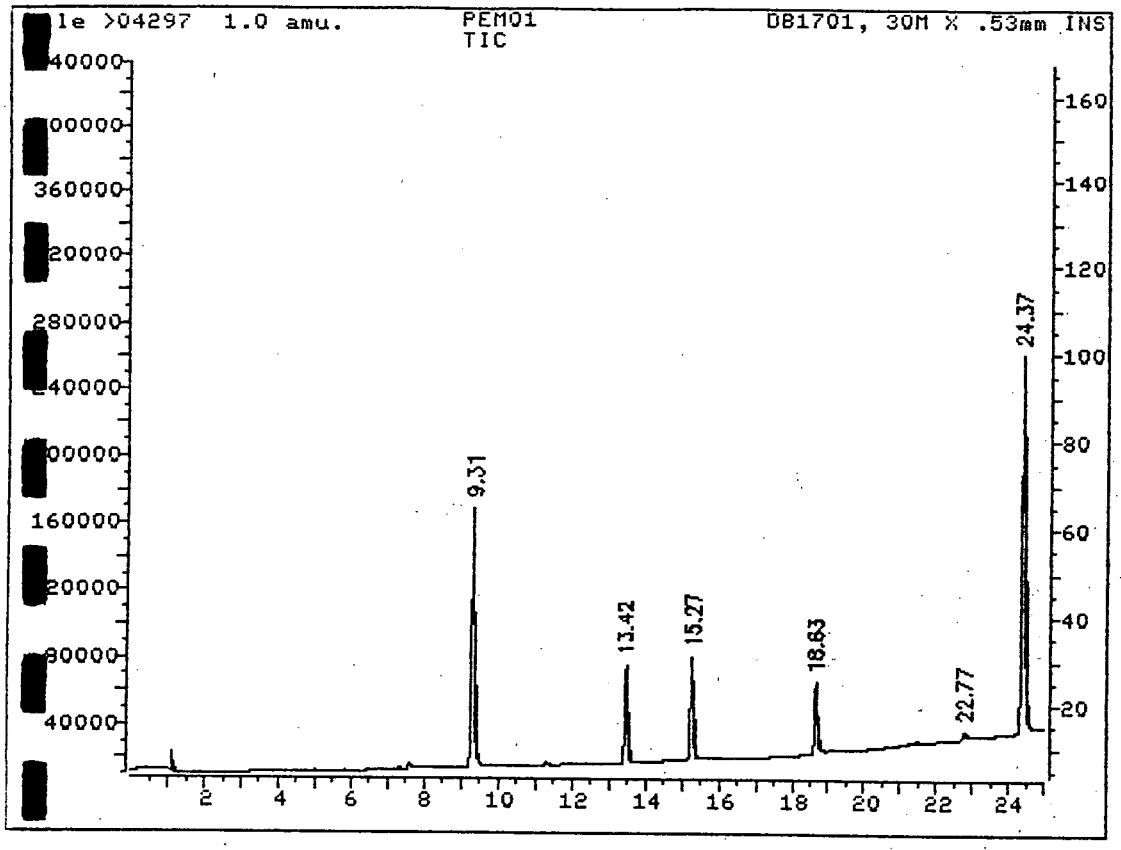
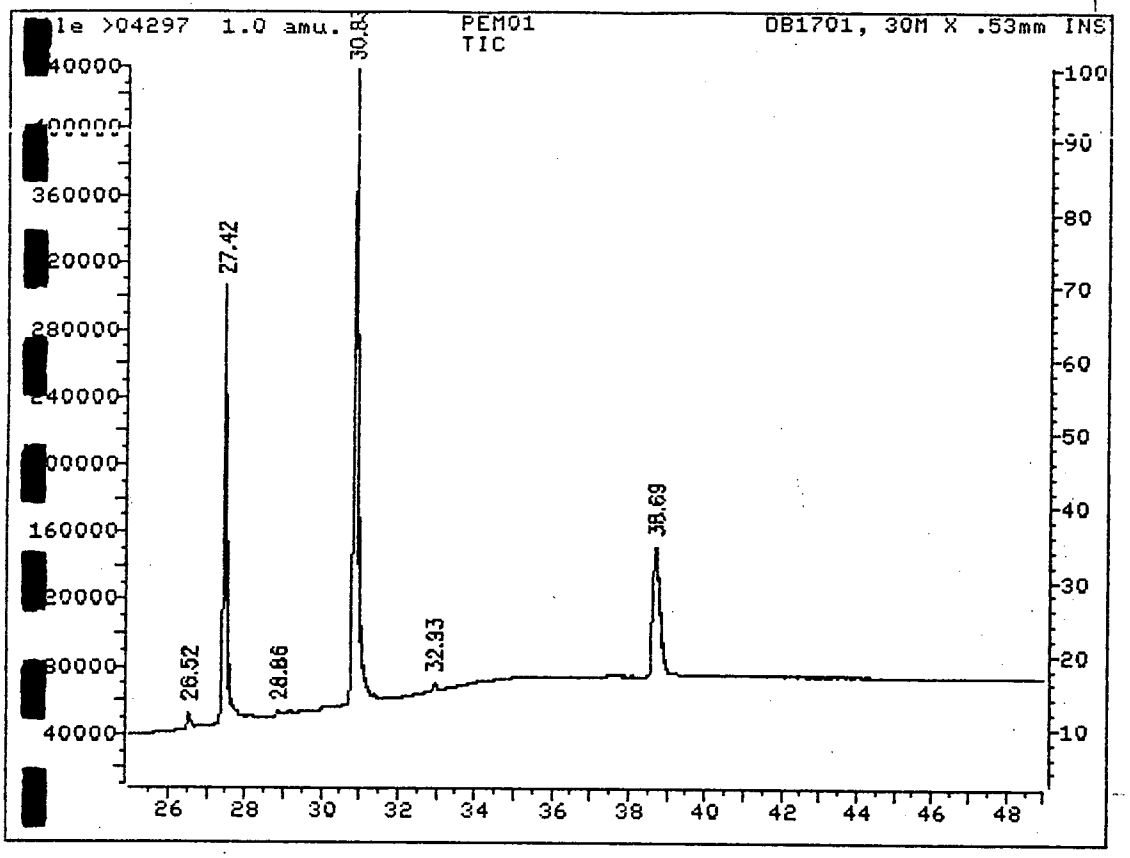


MS data file header from : >04297::G1

ample: PEM01 Operator: TRFI2 7/13/96 15:35
isc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >04297::G1

ample: PEM01 Operator: TRFI2 7/13/96 15:35
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 08:55
Output File: ^03312::GQ Injected at: 960714 05:17
Data File: >03312::F3 Dilution Factor: 1.00000
Name: PEM02A Instrument ID: GC03
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

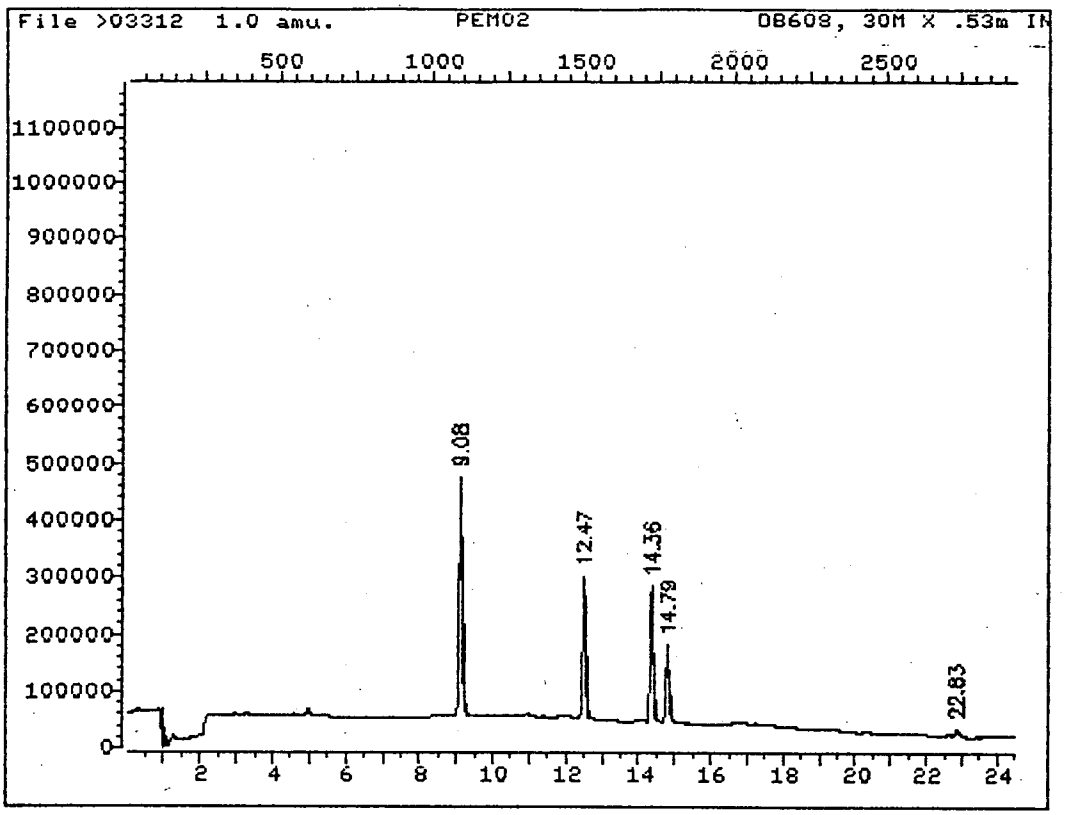
	Compound	ug Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2381929	19.91	ng/ml	100
2)	#alpha-BHC	0.010	12.47	1497	1386140	9.30	ng/ml	100
3)	#beta-BHC	0.010	14.79	1775	803014	9.82	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	14.36	1723	1324985	9.56	ng/ml	100
11)	#4,4'-DDE		22.83	2740	155733	1.69	ng/ml	100
12)	#Endrin	0.050	24.82	2978	4243560	48.55	ng/ml	100
14)	#4,4'-DDD		25.62	3074	106647	1.73	ng/ml	100
16)	#4,4'-DDT	0.100	27.20	3264	6626307	97.55	ng/ml	100
17)	#Methoxychlor	0.250	32.44	3893	9257702	232.70	ng/ml	100
19)	#Decachlorobiphenyl	0.026	41.66	4999	2450640	21.20	ng/ml	100

Compound uses ESTD

E Price
7/22/96

D E
3,42 0

C 3,42



Data File: >03312::F3 Quant Output File: ^03312::GQ
Name: PEM02 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 08:55
Injected at: 960714 05:17

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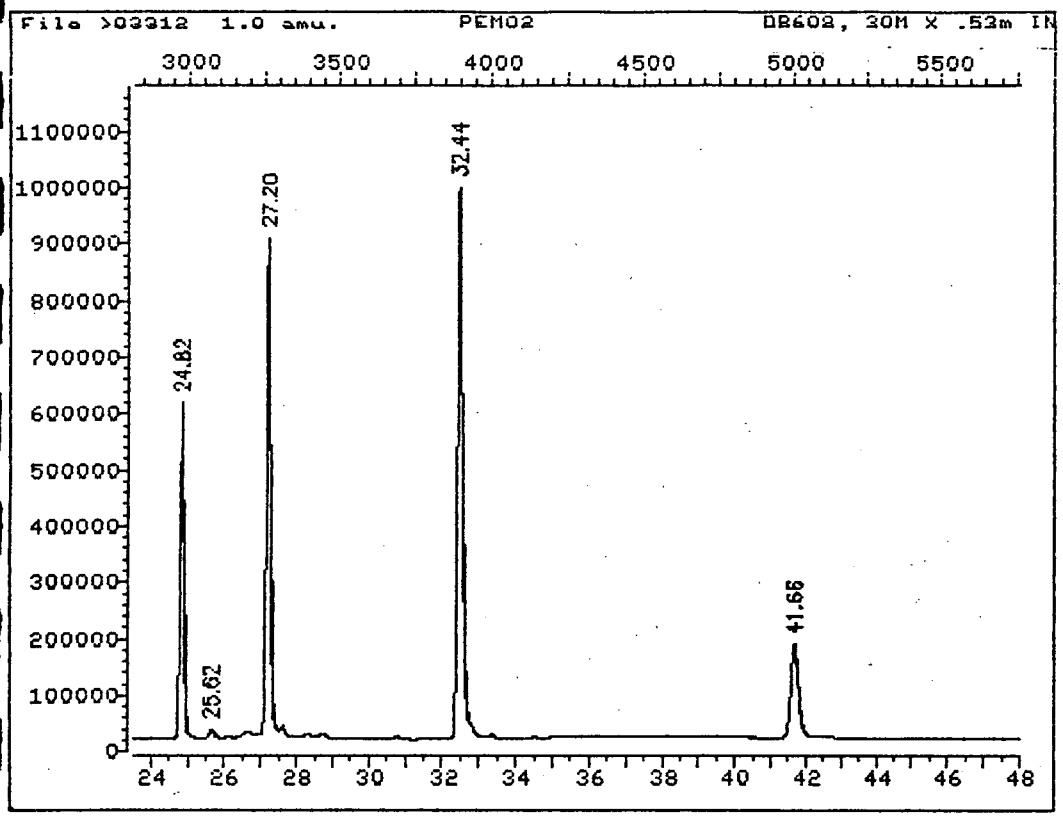

Data File: >03312::F3 Quant Output File: ^03312::GQ
Name: PEM02 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 08:55
Injected at: 960714 05:17

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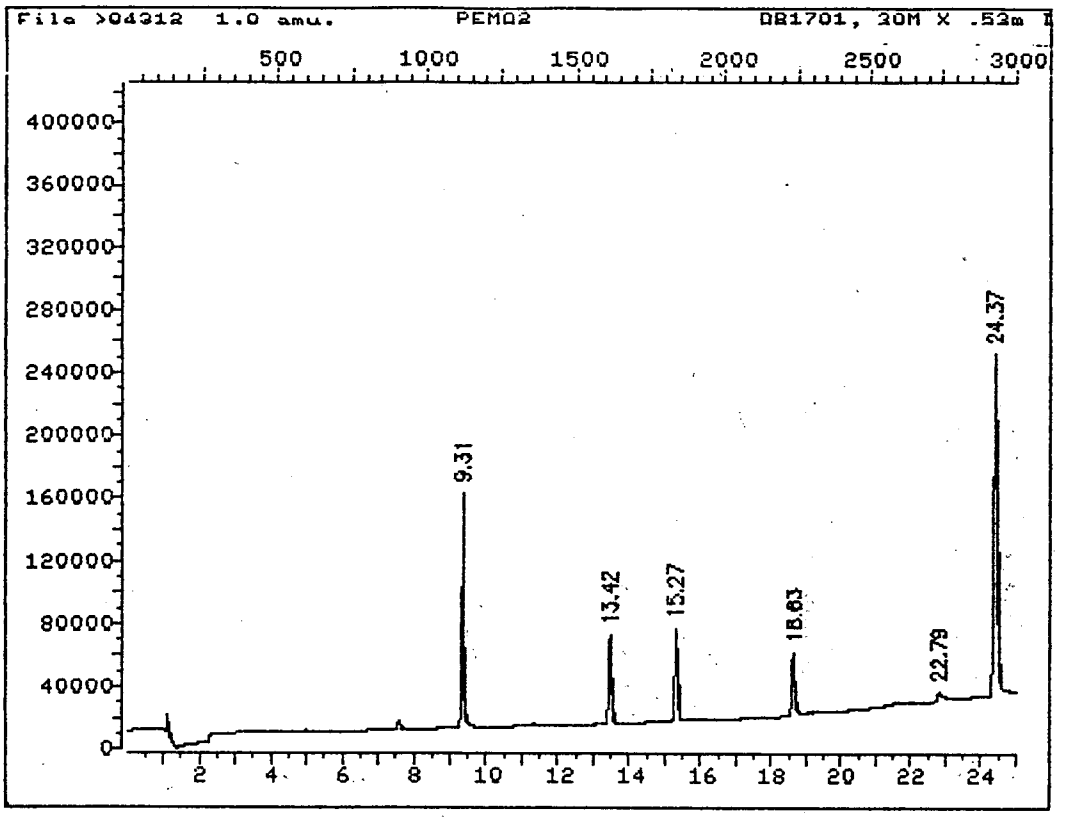
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:21
Output File: ^04312::GQ Injected at: 960714 05:17
Data File: >04312::G1 Dilution Factor: 1.00000
Name: PEM02A Instrument ID: GC04
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	819186	20.02	ng/ml	100
2)	#alpha-BHC	0.010	13.42	1611	297383	9.14	ng/ml	100
3)	#beta-BHC	0.010	18.63	2235	232686	9.27	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.27	1832	307236	9.03	ng/ml	100
11)	#4,4'-DDE		22.79	2735	74968	2.65	ng/ml	100
12)	#Endrin	0.050	24.37	2924	1498604	51.61	ng/ml	100
14)	#4,4'-DDD		26.54	3184	94242	4.90	ng/ml	100
16)	#4,4'-DDT	0.100	27.43	3291	1703546	97.47	ng/ml	100
17)	#Methoxychlor	0.250	30.84	3701	3173445	237.08	ng/ml	100
18)	#Endrin ketone		32.94	3952	121750	3.84	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.71	4645	966018	21.06	ng/ml	100
30)	#Endrin aldehyde		28.87	3464	31861	.991	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >04312::G1 Quant Output File: ^04312::GQ
Name: PEM02 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:21
Injected at: 960714 05:17

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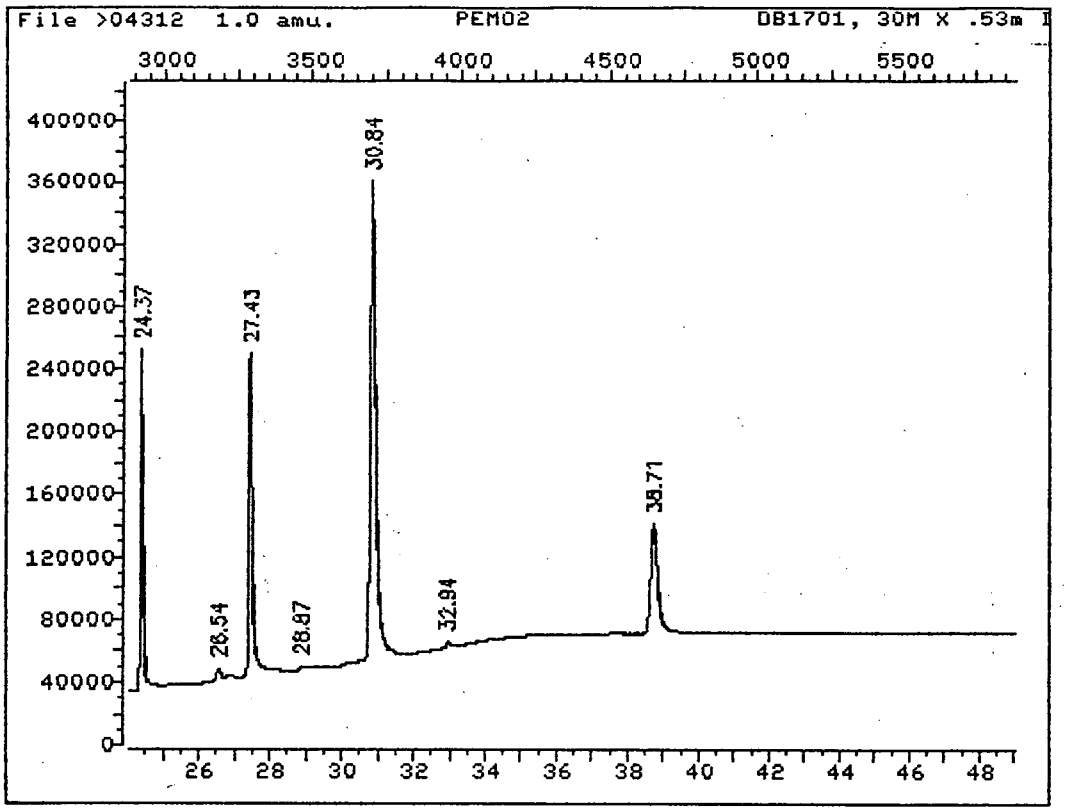

Data File: >04312::G1 Quant Output File: ^04312::GQ
Name: PEM02 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:21
Injected at: 960714 05:17

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QUANT REPORT

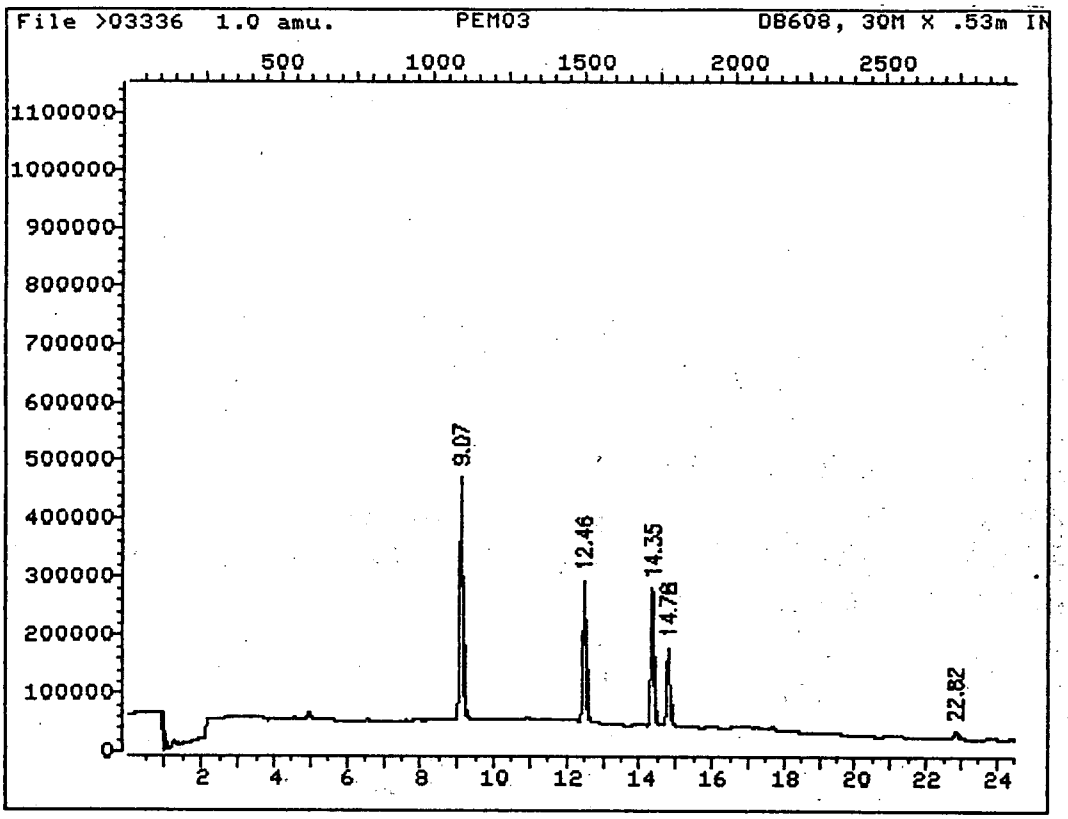
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:15
Output File: ^03336::GQ Injected at: 960715 03:26
Data File: >03336::F3 Dilution Factor: 1.00000
Name: PEM03A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1088	2393872	20.01	ng/ml	100
2)	#alpha-BHC	0.010	12.46	1495	1460237	9.80	ng/ml	100
3)	#beta-BHC	0.010	14.78	1774	795583	9.73	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	14.35	1722	1318520	9.52	ng/ml	100
11)	#4,4'-DDE		22.82	2738	61800	.669	ng/ml	100
12)	#Endrin	0.050	24.81	2977	4209126	48.16	ng/ml	100
14)	#4,4'-DDD		25.62	3074	84474	1.37	ng/ml	100
16)	#4,4'-DDT	0.100	27.19	3262	6483473	95.44	ng/ml	100
17)	#Methoxychlor	0.250	32.44	3892	9081414	228.26	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.64	4997	2427843	21.00	ng/ml	100

Compound uses ESTD

7/21/96



Data File: >03336::F3 Quant Output File: ^03336::GQ
Name: PEM03 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:15
Injected at: 960715 03:26

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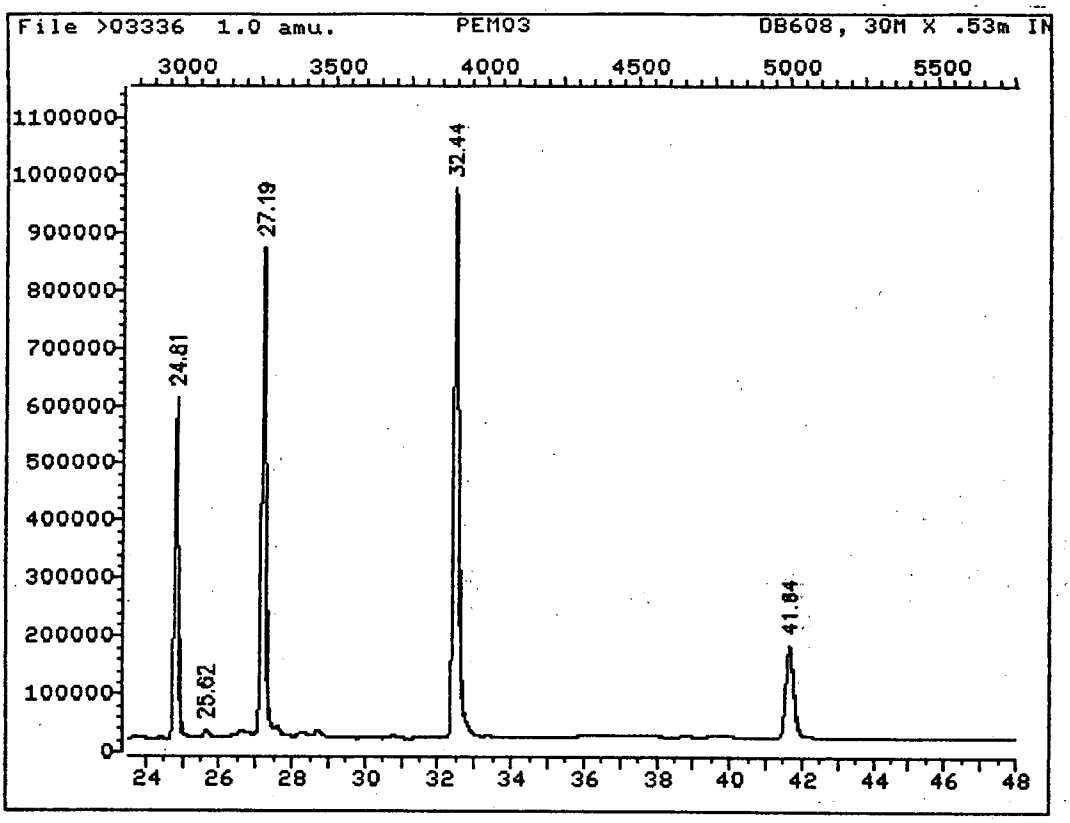

Data File: >03336::F3 Quant Output File: ^03336::GQ
Name: PEM03 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:15
Injected at: 960715 03:26

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QUANT REPORT Page 1

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:43
Output File: ^04336::GQ Injected at: 960715 03:26
Data File: >04336::G1 Dilution Factor: 1.00000
Name: PEM03A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

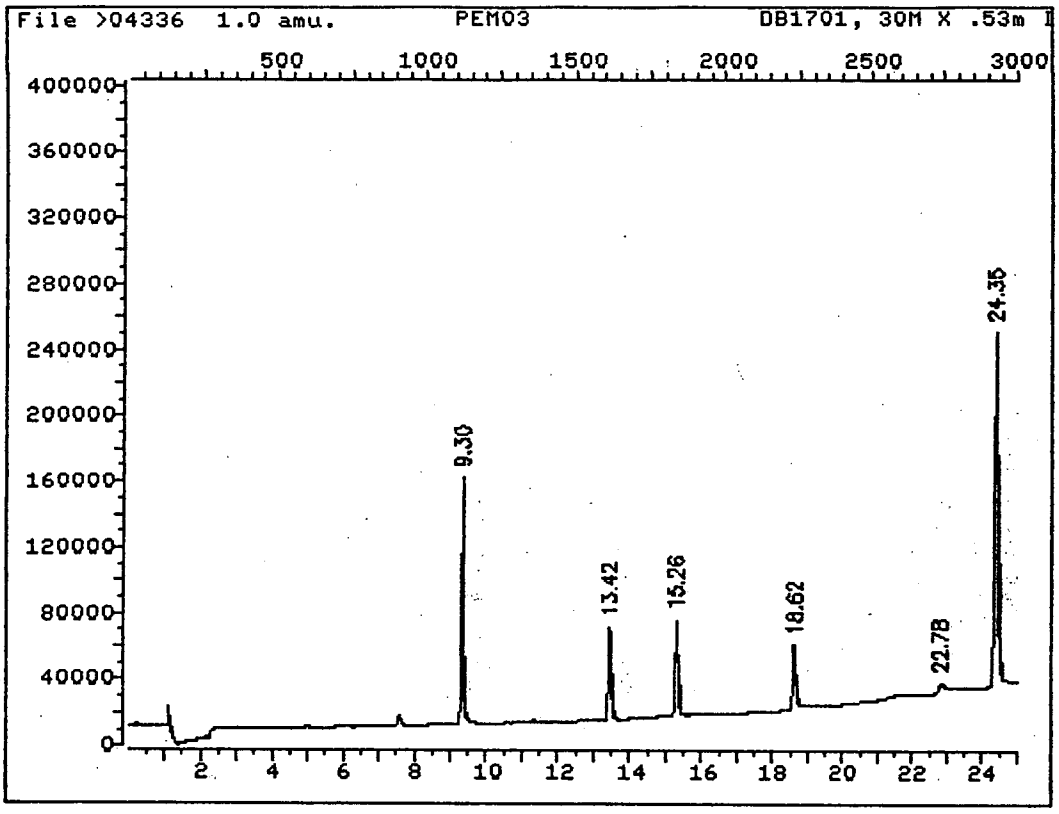
	Compound	Ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.30	1116	831086	20.31	ng/ml	100
2)	#alpha-BHC	0.010	13.42	1610	297585	9.14	ng/ml	100
3)	#beta-BHC	0.010	18.62	2234	238257	9.49	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.26	1831	313848	9.23	ng/ml	100
11)	#4,4'-DDE		22.78	2734	84977	3.00	ng/ml	100
12)	#Endrin	0.050	24.35	2922	1474518	50.78	ng/ml	100
14)	#4,4'-DDD		26.52	3182	94682	4.93	ng/ml	100
16)	#4,4'-DDT	0.100	27.42	3290	1664600	95.24	ng/ml	100
17)	#Methoxychlor	0.250	30.84	3701	3146755	235.08	ng/ml	100
18)	#Endrin ketone		32.92	3950	35403	1.12	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.70	4644	949490	20.70	ng/ml	100
30)	#Endrin aldehyde		28.86	3463	24213	.753	ng/ml	100

Compound uses ESTD

7/21/96

D E
7.93 3.75

C 11.68



Data File: >04336::G1 Quant Output File: ^04336::GQ
Name: PEM03 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:43
Injected at: 960715 03:26

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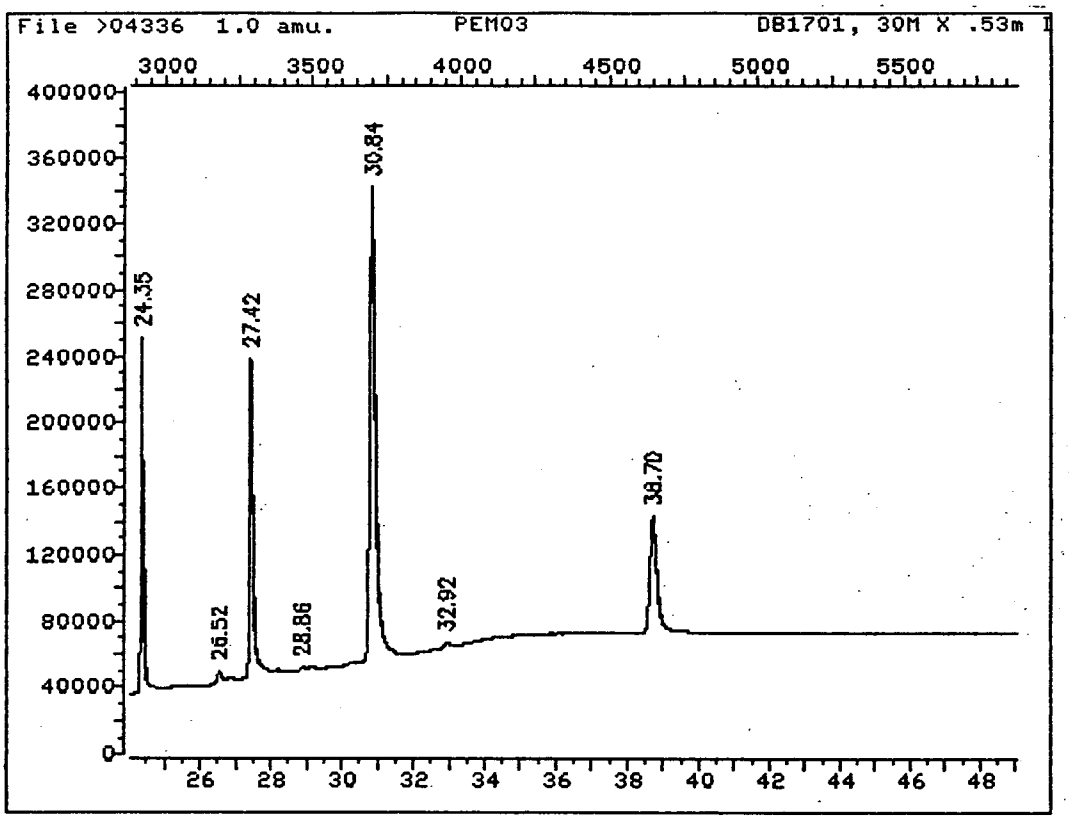

Data File: >04336::G1 Quant Output File: ^04336::GQ
Name: PEM03 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960715 09:43
Injected at: 960715 03:26

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QUANT REPORT

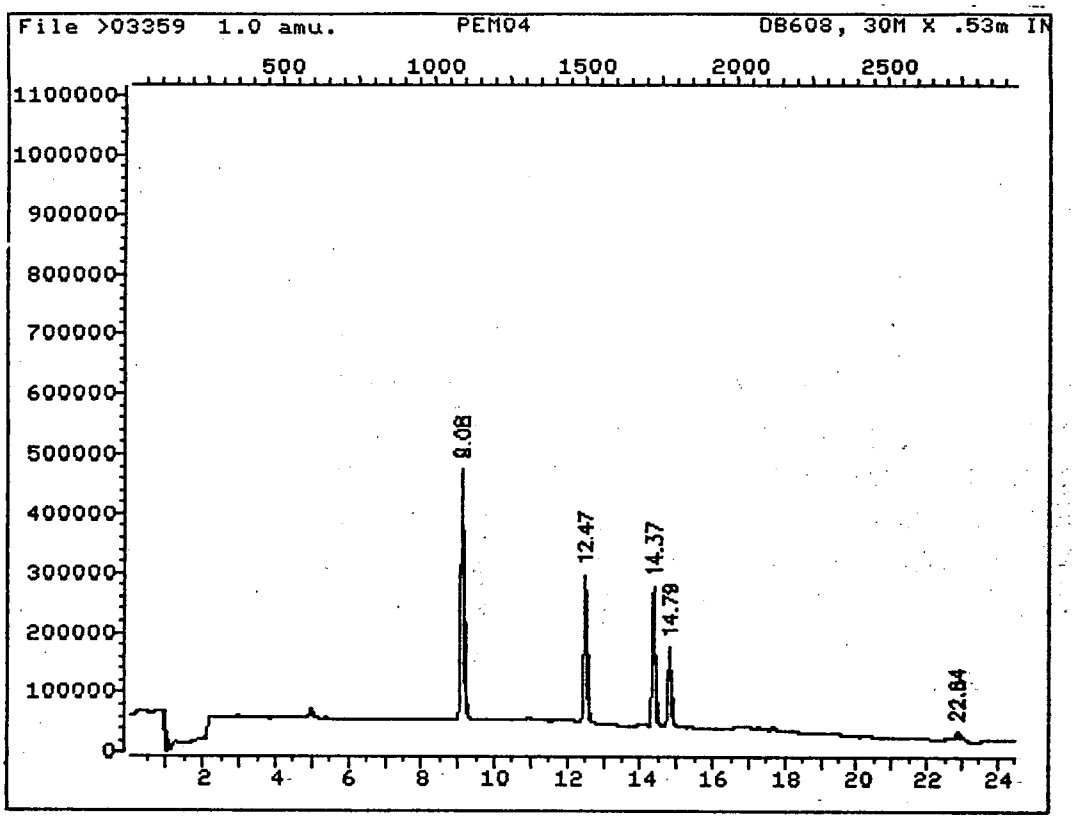
perator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 01:21
Output File: ^03359::GQ Injected at: 960716 00:31
Data File: >03359::F3 Dilution Factor: 1.00000
ame: PEM04A Instrument ID: GC03
isc: DB608, 30M X .53m INST 58903, 1ul INJ

D File: IDCAP5::SC
itle: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	Ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2412423	20.17	ng/ml	100
2)	#alpha-BHC	0.010	12.47	1497	1400929	9.40	ng/ml	100
3)	#beta-BHC	0.010	14.79	1775	796858	9.74	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	14.37	1724	1320117	9.53	ng/ml	100
11)	#4,4'-DDE		22.84	2741	163377	1.77	ng/ml	100
12)	#Endrin	0.050	24.83	2979	4204488	48.10	ng/ml	100
14)	#4,4'-DDD		25.64	3076	103938	1.68	ng/ml	100
16)	#4,4'-DDT	0.100	27.20	3264	6441269	94.82	ng/ml	100
17)	#Methoxychlor	0.250	32.45	3894	9043746	227.32	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.68	5001	2419227	20.92	ng/ml	100
30)	#Endrin aldehyde		27.61	3313	123934	1.53	ng/ml	100

Compound uses ESTD

7/19/96



Data File: >03359::F3 Quant Output File: ^03359::GQ
Name: PEM04 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 01:21
Injected at: 960716 00:31

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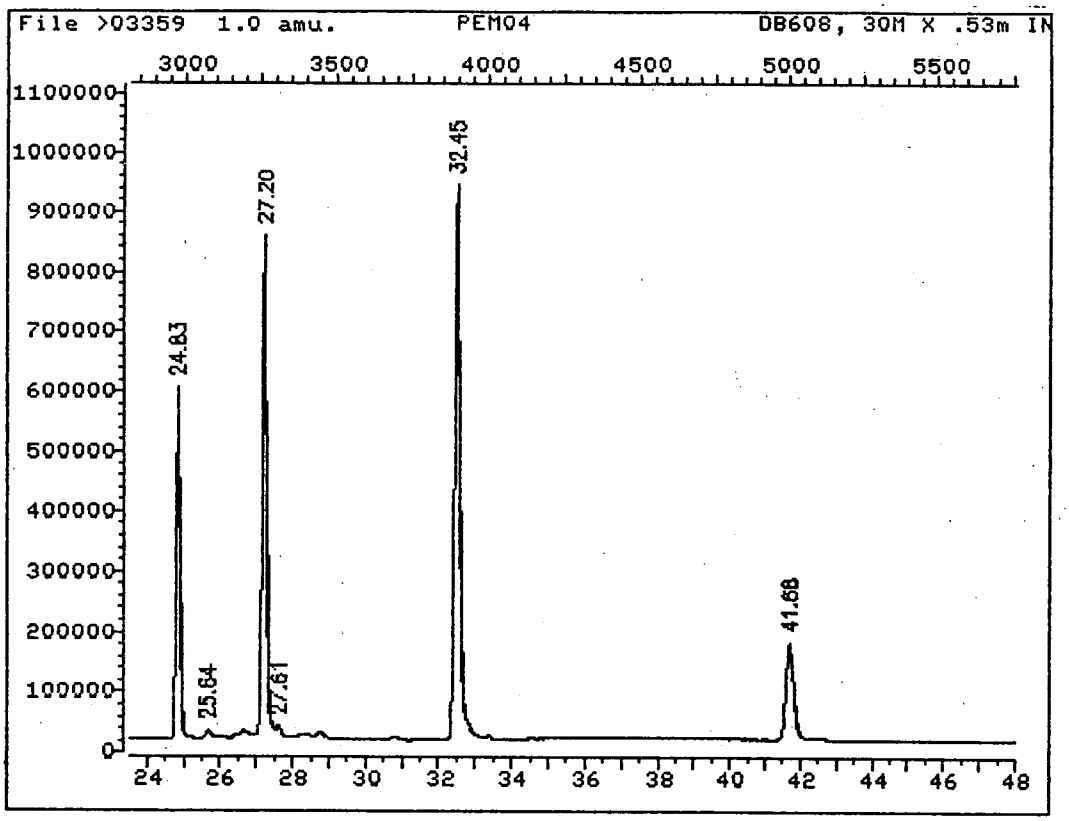

Data File: >03359::F3 Quant Output File: ^03359::GQ
Name: PEM04 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 01:21
Injected at: 960716 00:31

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QUANT REPORT

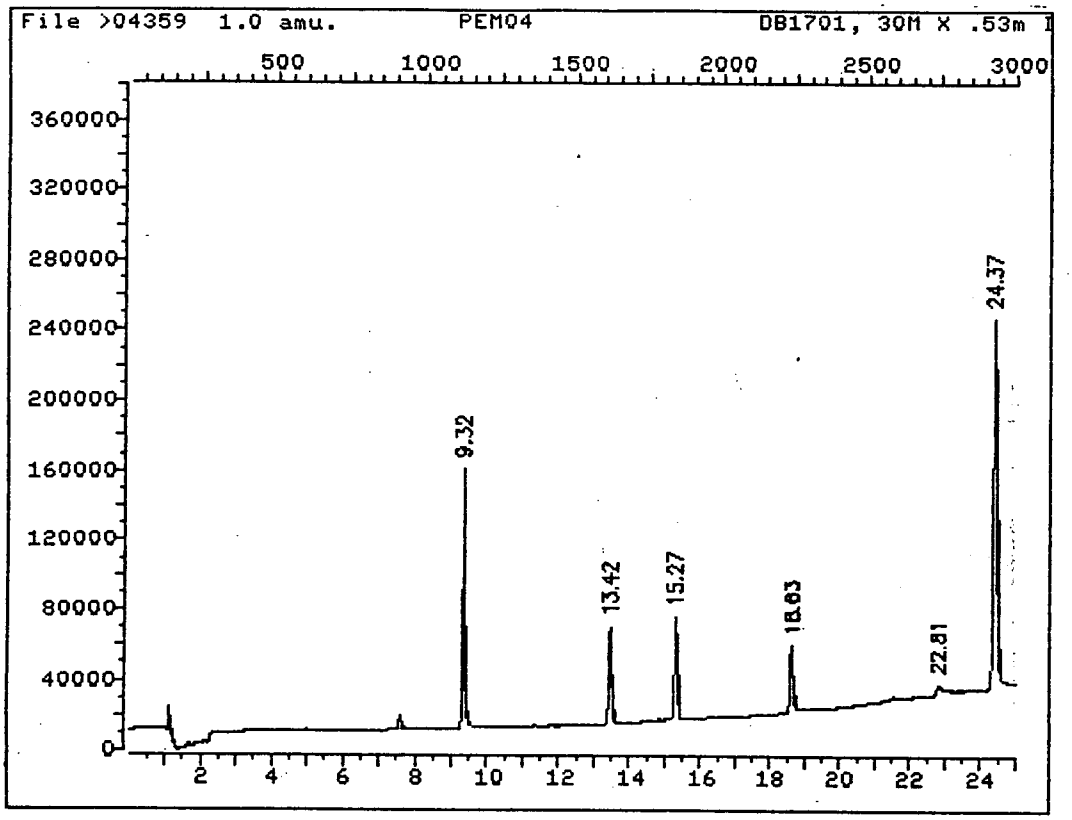
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 01:23
Output File: ^04359::GQ Injected at: 960716 00:31
Data File: >04359::G1 Dilution Factor: 1.00000
Name: PEM04A Instrument ID: GC04
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	Ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	818965	20.02	ng/ml	100
2)	#alpha-BHC	0.010	13.42	1611	297722	9.15	ng/ml	100
3)	#beta-BHC	0.010	18.63	2235	277854	11.07	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.27	1833	311515	9.16	ng/ml	100
11)	#4,4'-DDE		22.81	2737	88614	3.13	ng/ml	100
12)	#Endrin	0.050	24.37	2924	1434915	49.41	ng/ml	100
14)	#4,4'-DDD		26.54	3185	88429	4.60	ng/ml	100
16)	#4,4'-DDT	0.100	27.44	3292	1597991	91.43	ng/ml	100
17)	#Methoxychlor	0.250	30.86	3703	3020191	225.63	ng/ml	100
18)	#Endrin ketone		32.94	3952	122643	3.87	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.73	4647	959695	20.93	ng/ml	100
30)	#Endrin aldehyde		28.88	3465	27766	.864	ng/ml	100

Compound uses ESTD

7/19/96



Data File: >04359::G1 Quant Output File: ^04359::GQ
Name: PEM04 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 01:23
Injected at: 960716 00:31

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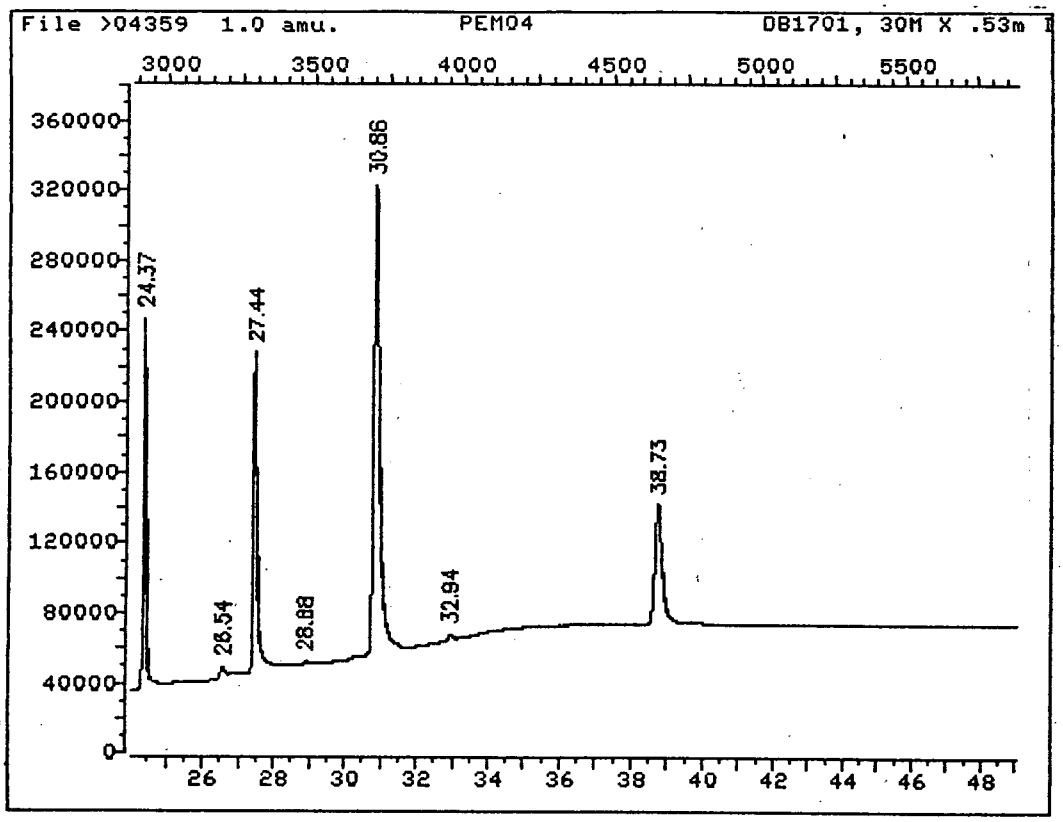

Data File: >04359::G1 Quant Output File: ^04359::GQ
Name: PEM04 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 01:23
Injected at: 960716 00:31

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QUANT REPORT

Operator ID: TRFI2
Output File: ^03381::GQ
Data File: >03381::F3
Name: ~~PEM04~~ PEM05A
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ
TMo 7/24/96
ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07

Quant Rev: 7
Quant Time: 960716 21:27
Injected at: 960716 20:37
Dilution Factor: 1.00000
Instrument ID: GC03
Last Qcal Time: 960713 22:00

	Compound	NG (ML)	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1088	2409722	20.14	ng/ml	100
2)	#alpha-BHC	0.010	12.47	1496	1473861	9.89	ng/ml	100
3)	#beta-BHC	0.010	14.78	1774	800921	9.79	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	14.35	1722	1318690	9.52	ng/ml	100
11)	#4,4'-DDE		22.83	2739	157016	1.70	ng/ml	100
12)	#Endrin	0.050	24.81	2977	4172153	47.73	ng/ml	100
14)	#4,4'-DDD		25.62	3074	84806	1.37	ng/ml	100
16)	#4,4'-DDT	0.100	27.19	3262	6424058	94.57	ng/ml	100
17)	#Methoxychlor	0.250	32.44	3892	9010316	226.48	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.64	4997	2371584	20.51	ng/ml	100

Compound uses ESTD

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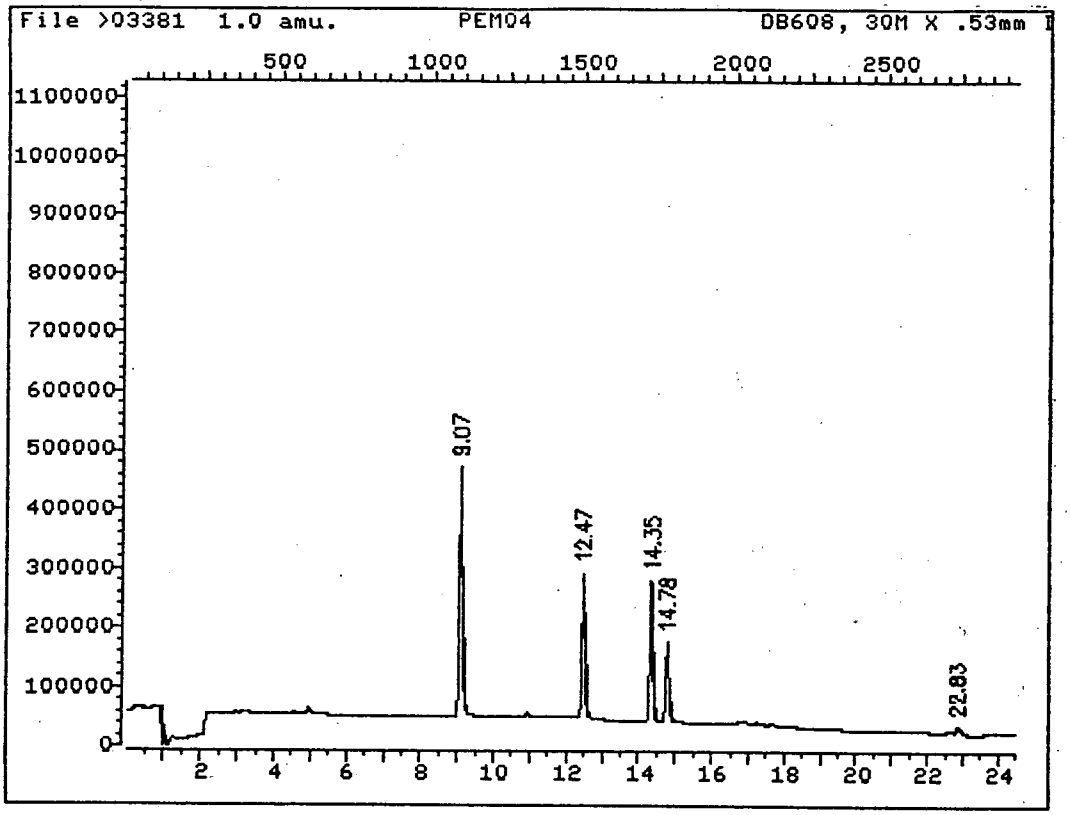
7/22/96

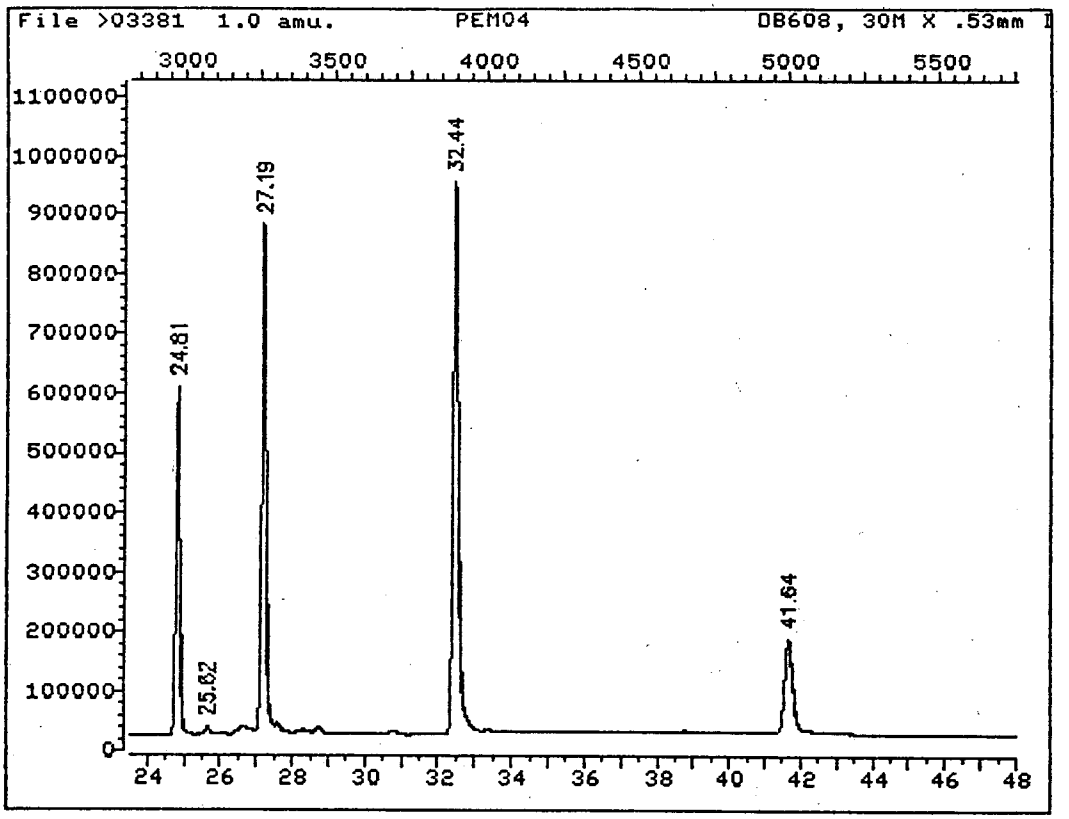


Data File: >03381::F3 Quant Output File: ^03381::GQ
Name: PEM04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 21:27
Injected at: 960716 20:37

Page 1 of 2



Data File: >03381::F3 Quant Output File: ^03381::GQ
Name: PEM04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 21:27
Injected at: 960716 20:37

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 21:29
Output File: ^04381::GQ Injected at: 960716 20:37
Data File: >04381::G1 Dilution Factor: 1.00000
Name: PEM04A Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	NG INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.30	1116	833111	20.36	ng/ml	100
2)	#alpha-BHC	0.010	13.42	1610	301181	9.25	ng/ml	100
3)	#beta-BHC	0.010	18.62	2234	263156	10.49	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.26	1831	312407	9.19	ng/ml	100
11)	#4,4'-DDE		22.78	2734	65101	2.30	ng/ml	100
12)	#Endrin	0.050	24.36	2923	1469986	50.62	ng/ml	100
14)	#4,4'-DDD		26.53	3183	107150	5.57	ng/ml	100
16)	#4,4'-DDT	0.100	27.42	3290	1673263	95.74	ng/ml	100
17)	#Methoxychlor	0.200	30.84	3700	3261036	243.62	ng/ml	100
18)	#Endrin ketone		32.92	3950	118391	3.73	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.69	4643	937841	20.45	ng/ml	100
30)	#Endrin aldehyde		28.85	3462	23901	.743	ng/ml	100

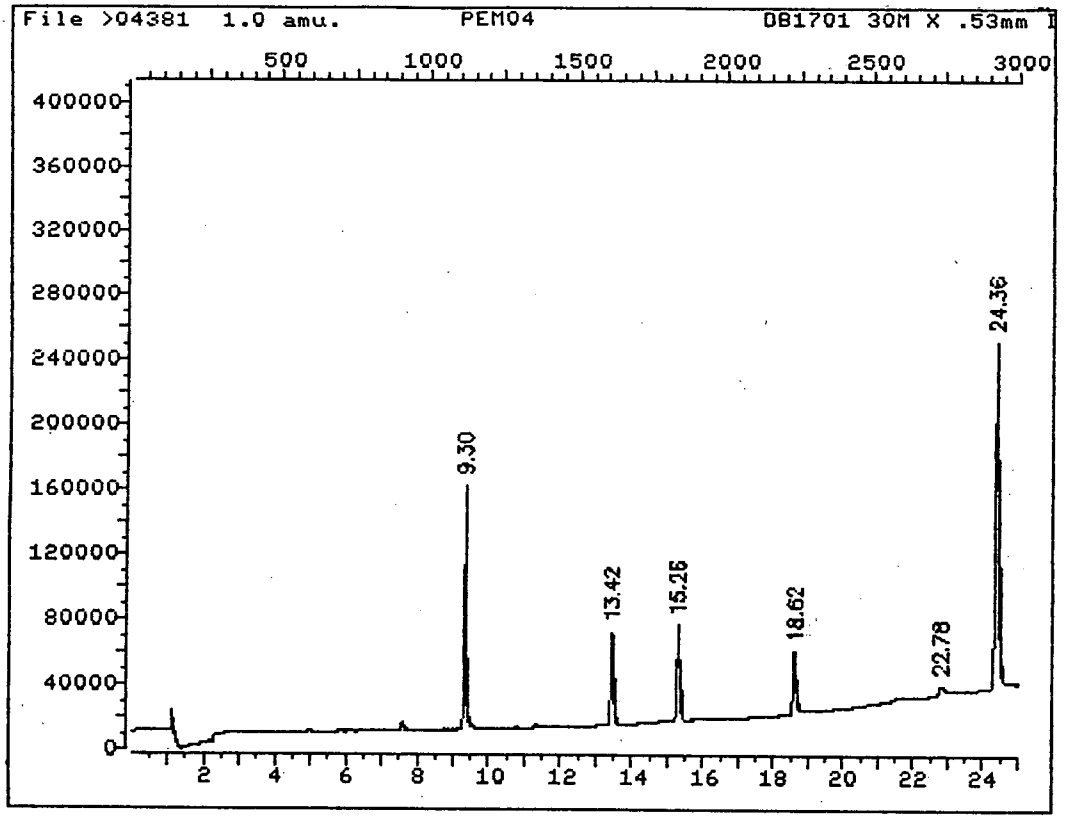
Compound uses ESTD

EBrua
7/22/96

P 7.87

E 8.95

C 16.82



Data File: >04381::G1 Quant Output File: ^04381::GQ
Name: PEM04 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 21:29
Injected at: 960716 20:37

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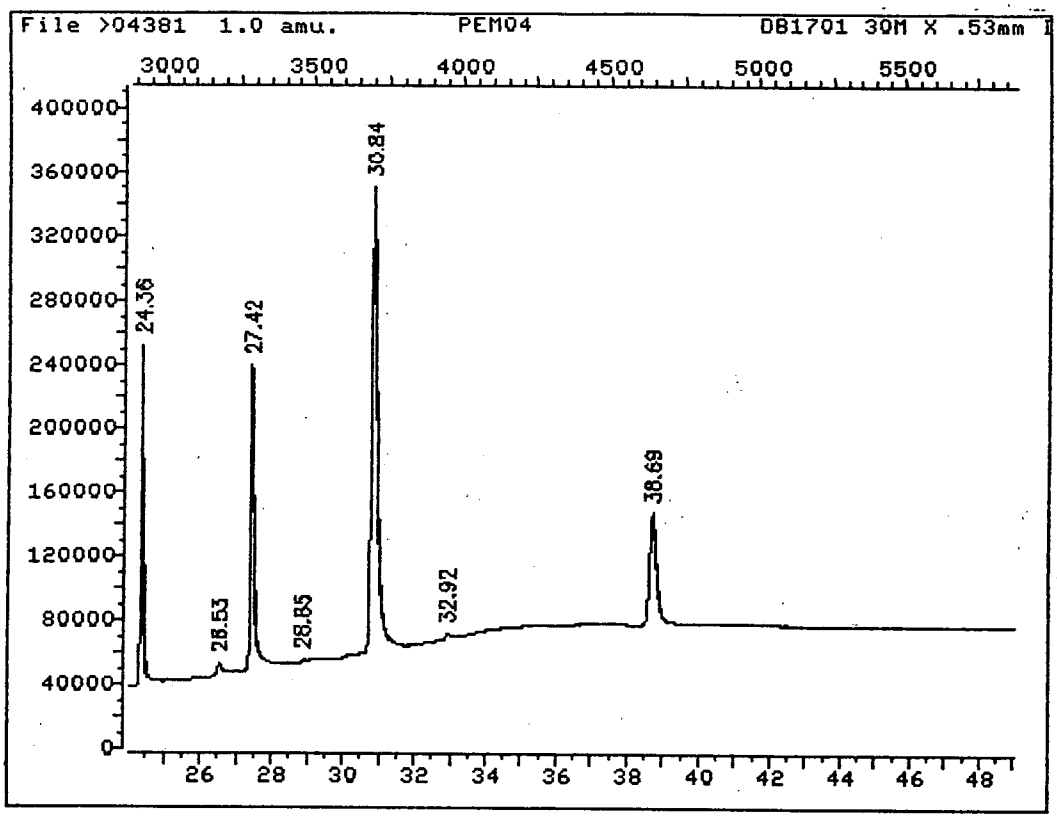

Data File: >04381::G1 Quant Output File: ^04381::GQ
Name: PEM04 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 21:29
Injected at: 960716 20:37

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 09:34
Output File: ^03395::GQ Injected at: 960717 08:41
Data File: >03395::G2 Dilution Factor: 1.00000
Name: ~~PEM05~~ PEMOGA Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
7/24/96
ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2385130	19.94	ng/ml	100
2)	#alpha-BHC	0.010	12.47	1496	1320153	8.86	ng/ml	100
3)	#beta-BHC	0.010	14.78	1774	759946	9.29	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	14.36	1723	1336179	9.64	ng/ml	100
11)	#4,4'-DDE		22.82	2738	238052	2.58	ng/ml	100
12)	#Endrin	0.050	24.82	2978	4361557	49.90	ng/ml	100
14)	#4,4'-DDD		25.60	3072	145931	2.36	ng/ml	100
16)	#4,4'-DDT	0.100	27.19	3263	6938501	102.14	ng/ml	100
17)	#Methoxychlor	0.250	32.43	3891	9201996	231.30	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.63	4996	2396586	20.73	ng/ml	100
30)	#Endrin aldehyde		27.59	3311	53030	.656	ng/ml	100

Compound uses ESTD

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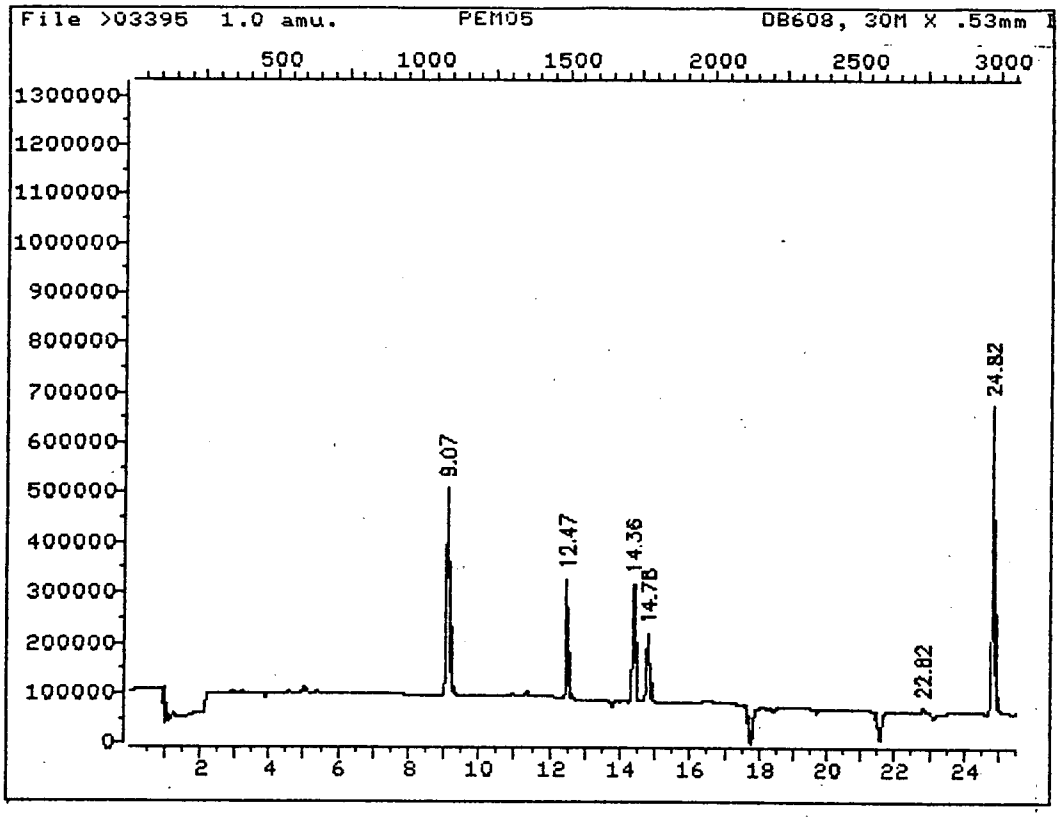
7/22/96



Data File: >03395::G2 Quant Output File: ^03395::GQ
Name: PEM05 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 09:34
Injected at: 960717 08:41

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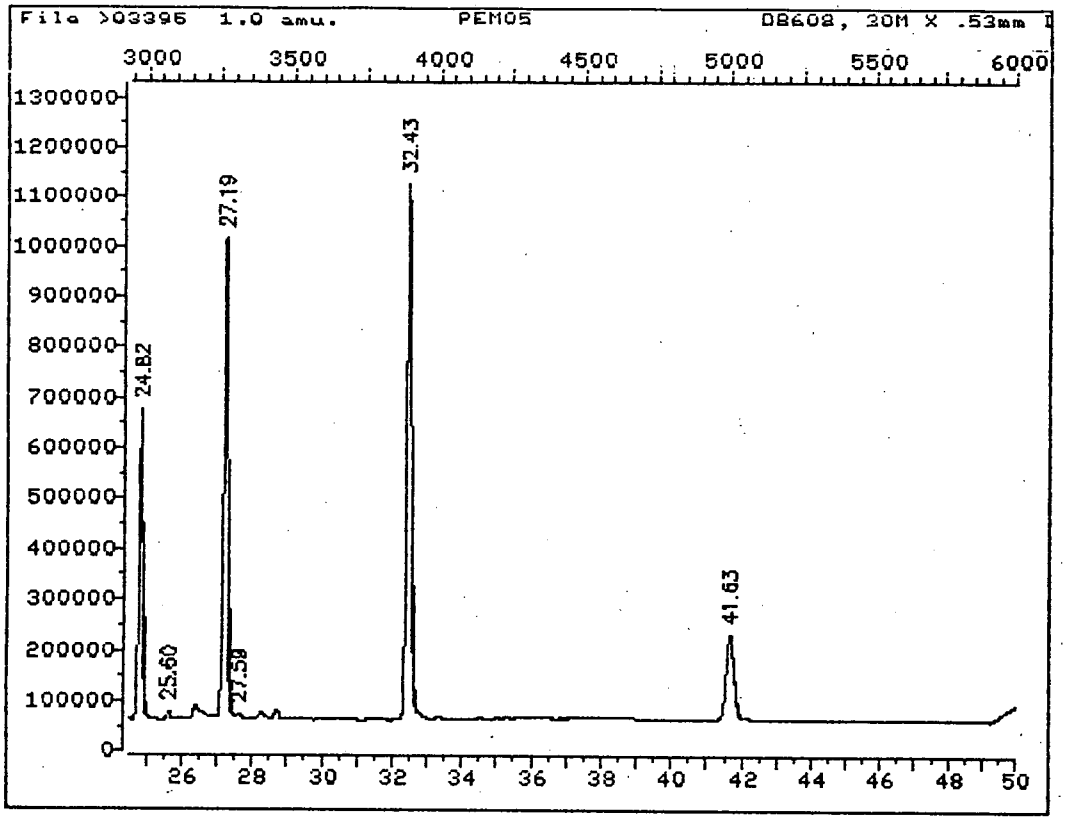

Data File: >03395::G2 Quant Output File: ^03395::GQ
Name: PEM05 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 09:34
Injected at: 960717 08:41

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Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 09:32
Output File: ^04395::GQ Injected at: 960717 08:41
Data File: >04395::G4 Dilution Factor: 1.00000
Name: PEM05A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	816262	19.95	ng/ml	100
2)	#alpha-BHC	0.010	13.43	1612	293915	9.03	ng/ml	100
3)	#beta-BHC	0.010	18.63	2235	299151	11.92	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.27	1833	315783	9.28	ng/ml	100
11)	#4,4'-DDE		22.77	2732	48323	1.71	ng/ml	100
12)	#Endrin	0.050	24.37	2924	1492940	51.41	ng/ml	100
14)	#4,4'-DDD		26.51	3181	124329	6.47	ng/ml	100
16)	#4,4'-DDT	0.100	27.41	3289	1973046	112.89	ng/ml	100
17)	#Methoxychlor	0.250	30.83	3699	3544914	264.83	ng/ml	100
18)	#Endrin ketone		32.91	3949	111571	3.52	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.68	4642	945966	20.63	ng/ml	100
30)	#Endrin aldehyde		28.85	3462	13902	.432	ng/ml	100

Compound uses ESTD

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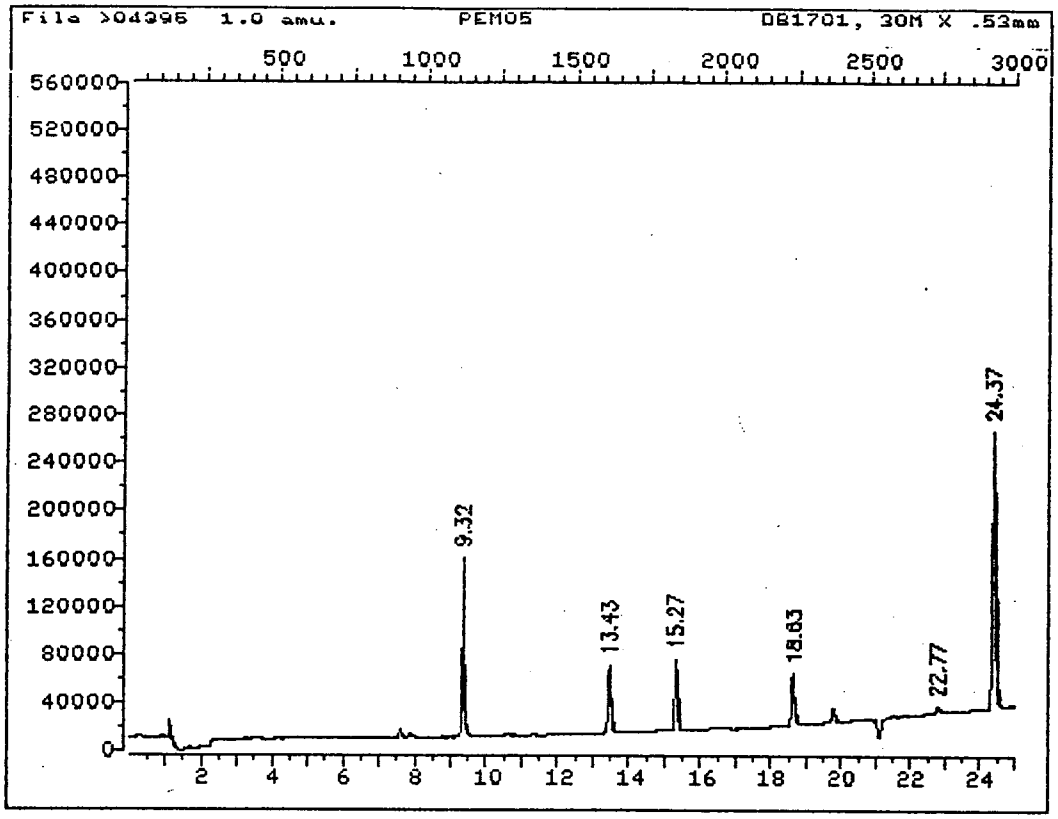

Data File: >04395::G4 Quant Output File: ^04395::GQ
Name: PEM05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 09:32
Injected at: 960717 08:41

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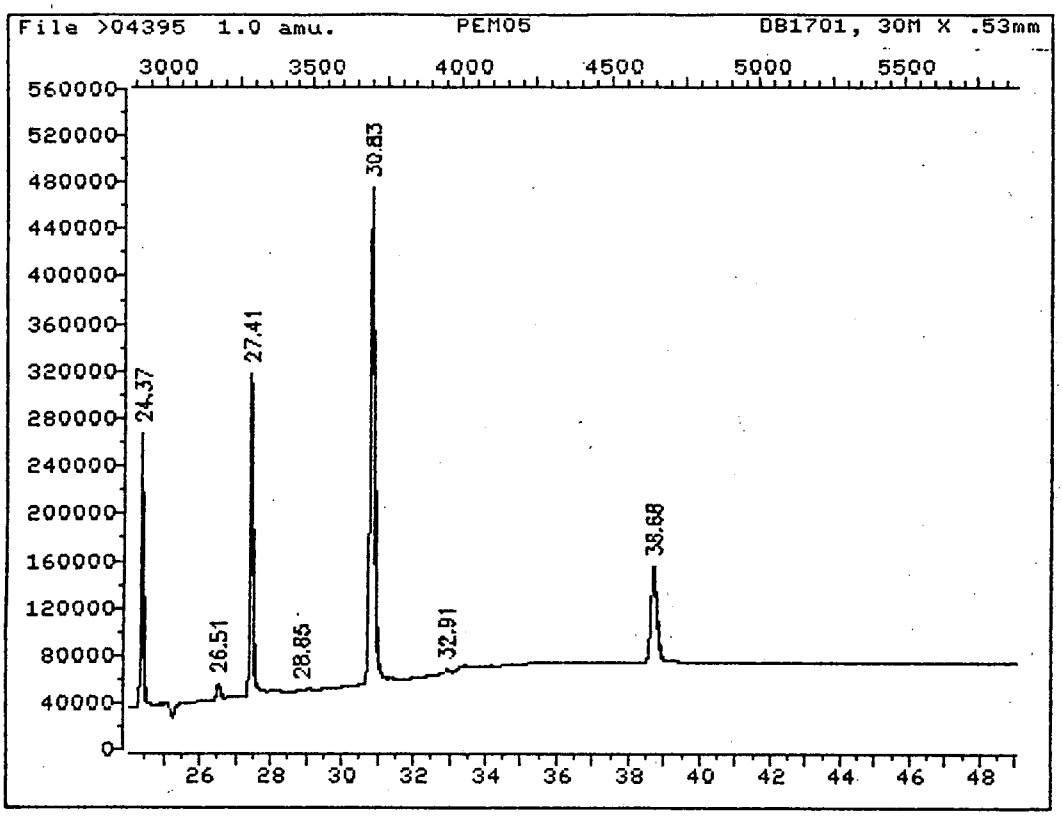

Data File: >04395::G4 Quant Output File: ^04395::GQ
Name: PEM05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960717 09:32
Injected at: 960717 08:41

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 05:41
Output File: ^03417::GQ Injected at: 960718 04:48
Data File: >03417::G2 Dilution Factor: 1.00000
Name: ~~PEM06~~ PEM07A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
JMo 7/24/96
ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2459216	20.56	ng/ml	100
2)	#alpha-BHC	0.010	12.47	1496	1535571	10.30	ng/ml	100
3)	#beta-BHC	0.010	14.78	1774	804222	9.83	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	14.36	1723	1366725	9.86	ng/ml	100
11)	#4,4'-DDE		22.83	2739	44118	.478	ng/ml	100
12)	#Endrin	0.050	24.82	2978	4227355	48.36	ng/ml	100
14)	#4,4'-DDD		25.61	3073	117437	1.90	ng/ml	100
16)	#4,4'-DDT	0.100	27.19	3263	6546928	96.38	ng/ml	100
17)	#Methoxychlor	0.250	32.44	3892	9158382	230.20	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.65	4998	2217444	19.18	ng/ml	100
30)	#Endrin aldehyde		27.59	3311	61282	.758	ng/ml	100

Compound uses ESTD

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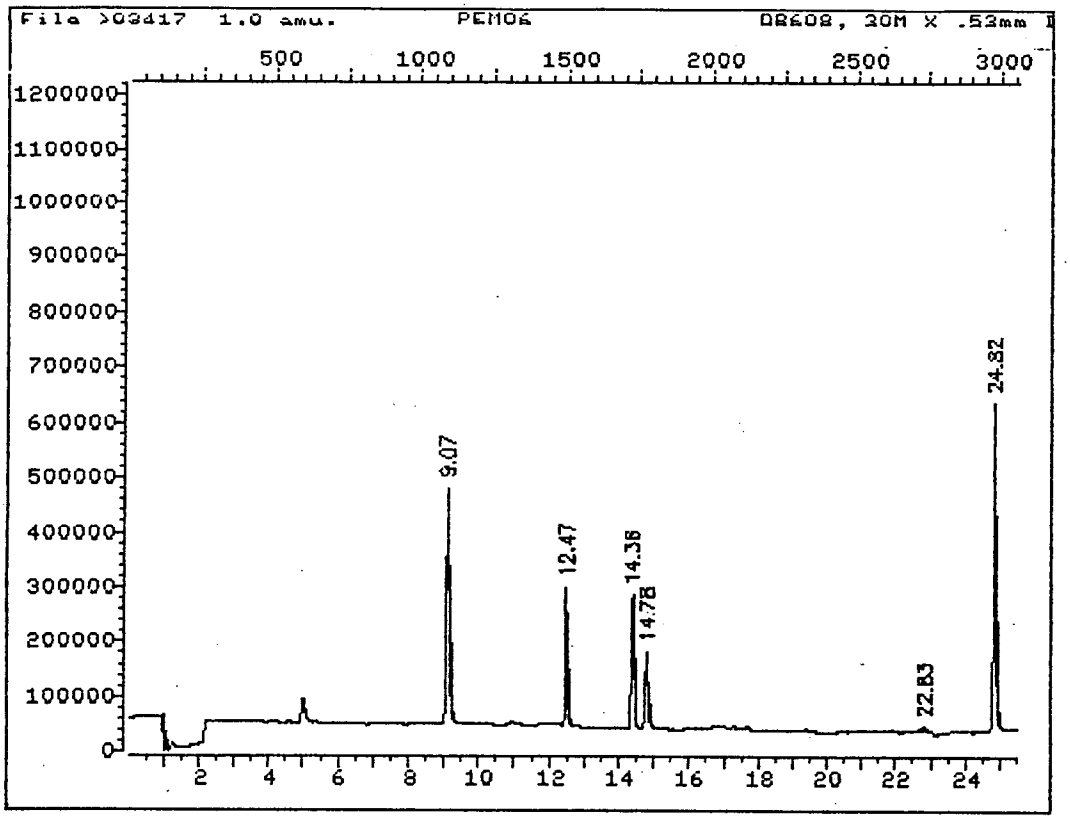

Data File: >03417::G2 Quant Output File: ^03417::GQ
Name: PEM06 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960718 05:41
Injected at: 960718 04:48

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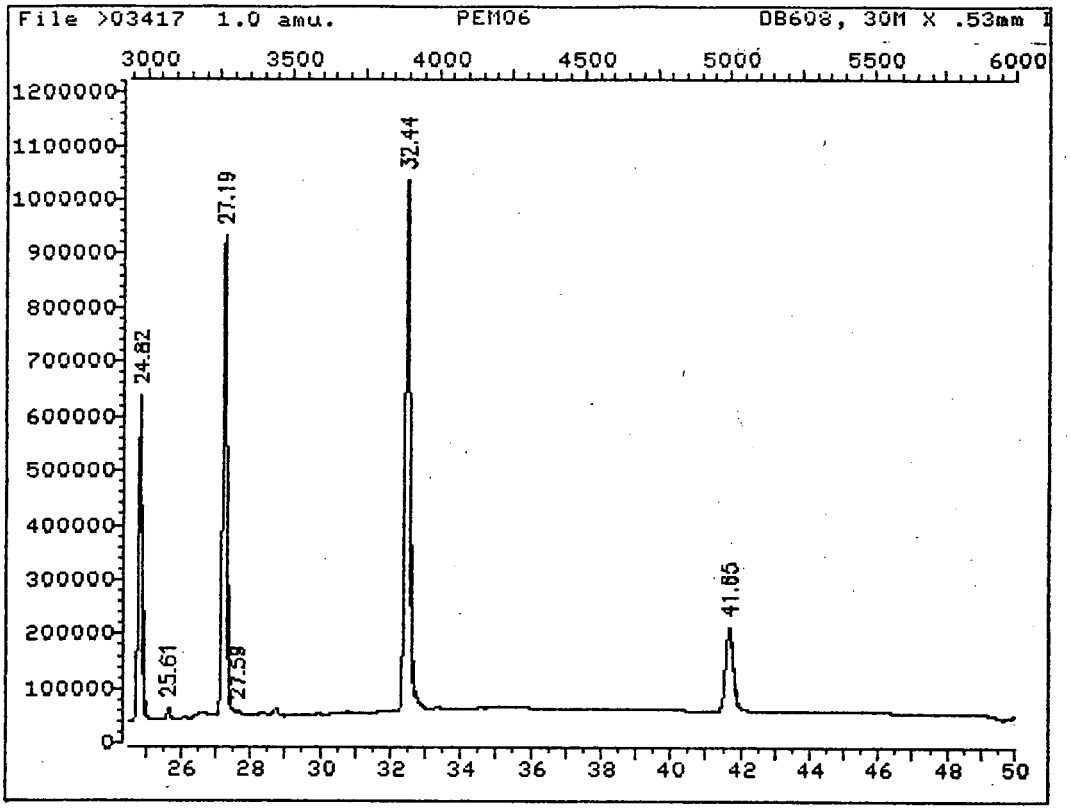

Data File: >03417::G2 Quant Output File: ^03417::GQ
Name: PEM06 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960718 05:41
Injected at: 960718 04:48

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 05:39
Output File: ^04417::GQ Injected at: 960718 04:48
Data File: >04417::G4 Dilution Factor: 1.00000
Name: PEM06A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	834166	20.39	ng/ml	100
2)	#alpha-BHC	0.010	13.42	1611	303463	9.32	ng/ml	100
3)	#beta-BHC	0.010	18.62	2234	220275M	8.78	ng/ml	100
5)	#gamma-BHC (Lindane)	0.010	15.27	1832	316844	9.32	ng/ml	100
11)	#4,4'-DDE		22.78	2733	47890	1.69	ng/ml	100
12)	#Endrin	0.050	24.36	2923	1512577	52.09	ng/ml	100
14)	#4,4'-DDD		26.52	3182	78892	4.10	ng/ml	100
16)	#4,4'-DDT	0.100	27.42	3290	1958317	112.05	ng/ml	100
17)	#Methoxychlor	0.250	30.84	3700	3418556	255.39	ng/ml	100
18)	#Endrin ketone		32.92	3950	31808	1.00	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.69	4643	928974	20.26	ng/ml	100
20)	#Endrin aldehyde		28.85	3462	12582	.391	ng/ml	100

Compound uses ESTD

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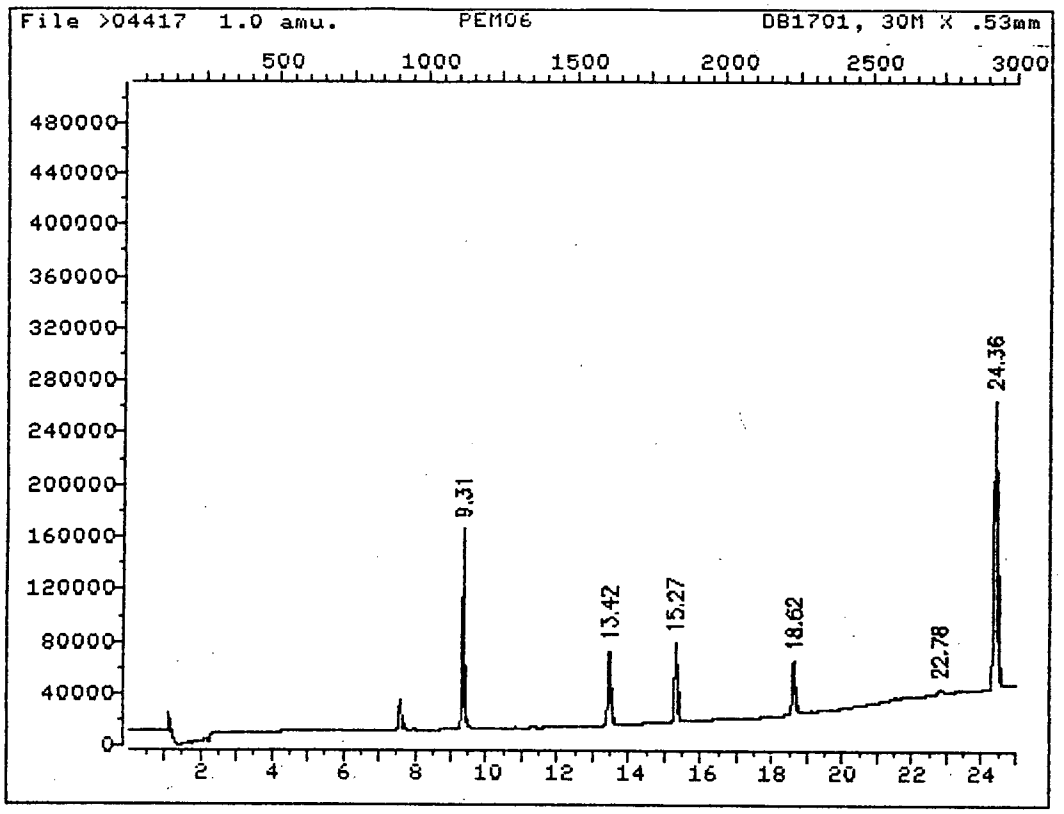
7/22/96



Data File: >04417::G4 Quant Output File: ^04417::GQ
Name: PEM06 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST-58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960718 05:39
Injected at: 960718 04:48

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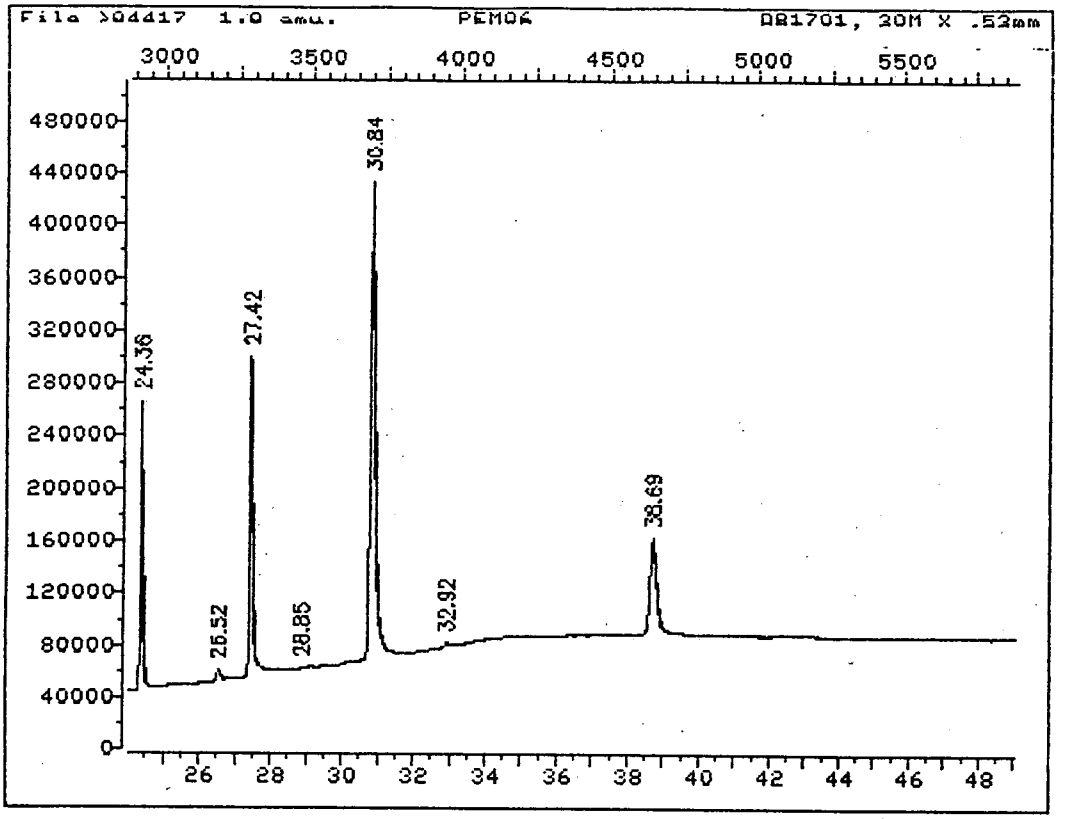

Data File: >04417::G4 Quant Output File: ^04417::GQ
Name: PEM06 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960718 05:39
Injected at: 960718 04:48

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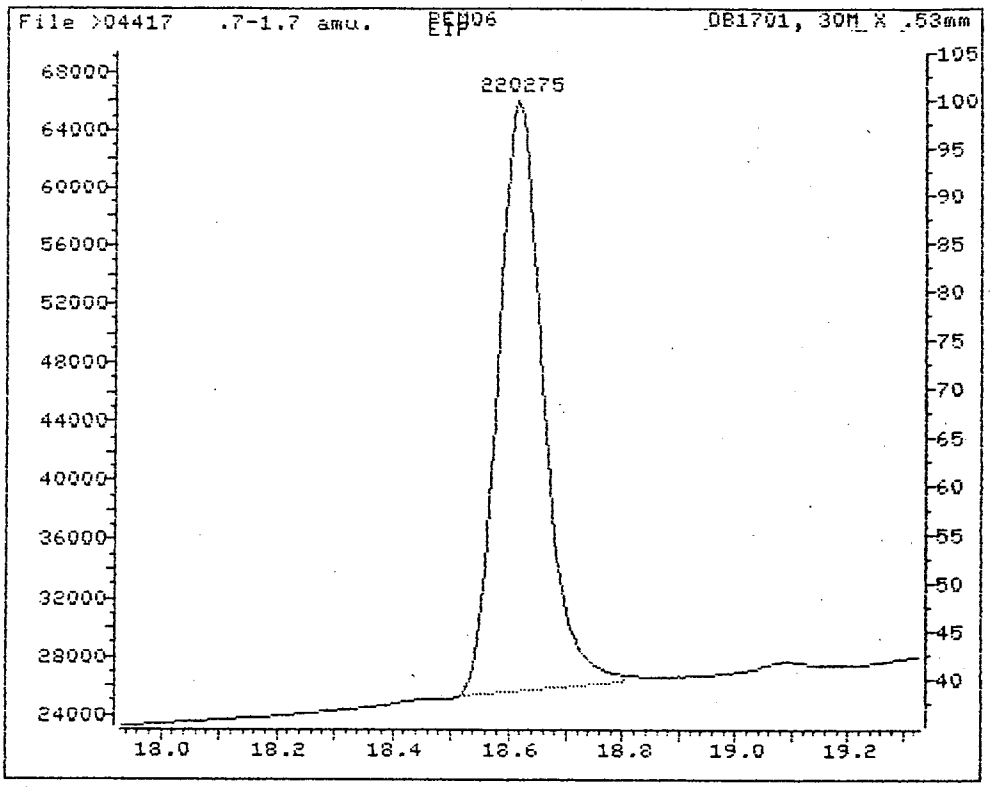
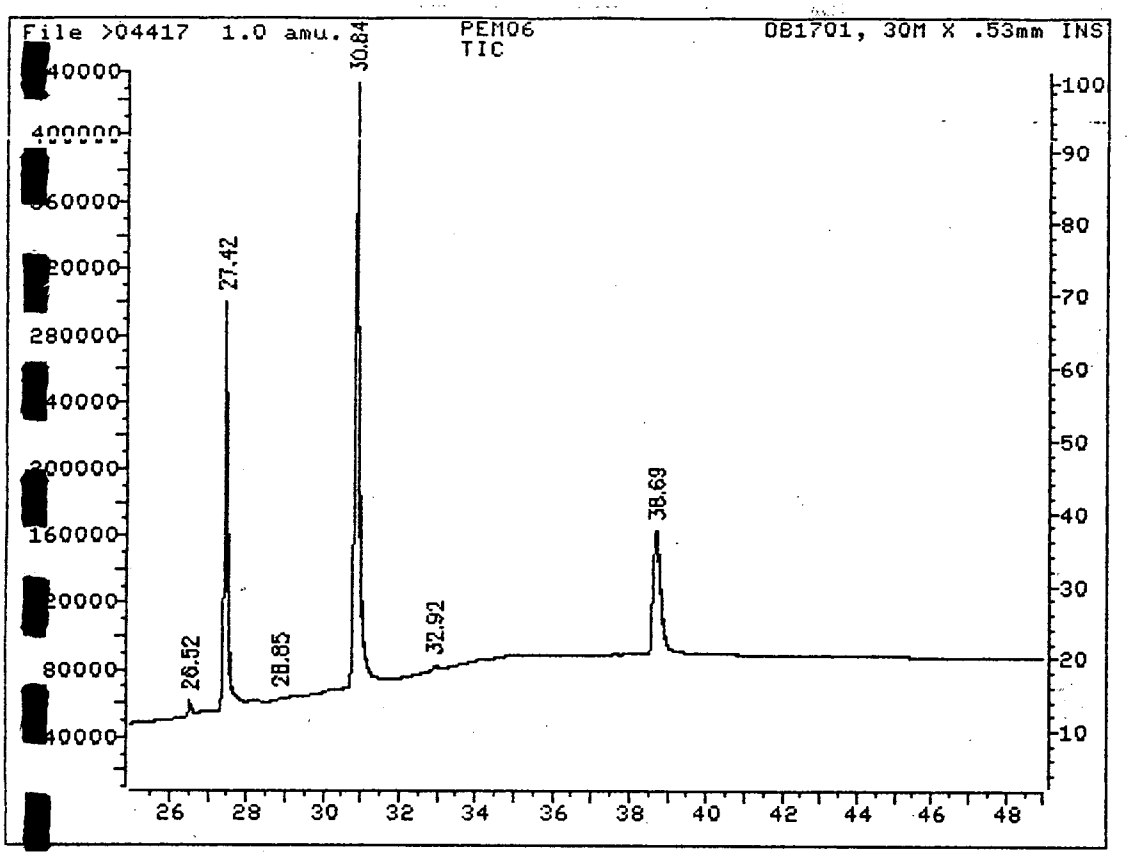


Data File: >04417::G4 Quant Output File: ^04417::GQ
Name: PEM06 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 05:39 Quant ID File: IDCAP6::SC
Injected at: 960718 04:48 Last Calibration: 941029 10:07

Compound No: 3
Compound Name: beta-BHC
Scan Number: 2234
Retention Time: 18.62 min.
Quant Ion: 1.0
Area: 220275M
Concentration: 8.78 ng/ml
q-value: 100

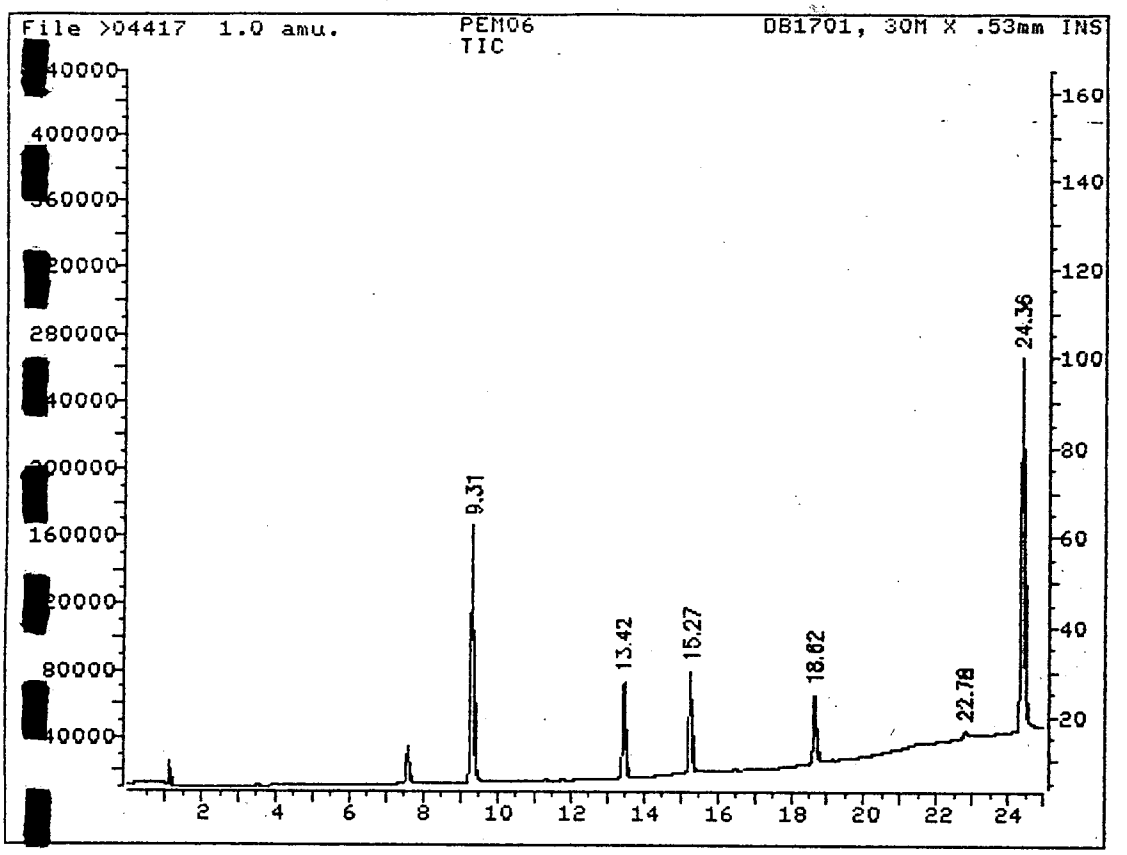
This report was produced by QAREA on: 960723 10:21



MS data file header from : >04417::G4

Sample: PEM06 Operator: TRFI2 7/18/96 4:48
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >04417::G4

Sample: PEM06 Operator: TRFI2 7/18/96 4:48
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

Operator ID: TRFIL
Output File: ^03096::F3
Data File: >03096::G3
Name: INDAL01
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960704 15:19
Injected at: 960701 22:20
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960701 19:30

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.005	9.07	1089	664099	5.31	ng/ml	100
2)	#alpha-BHC	0.005	12.47	1497	682511	4.61	ng/ml	100
5)	#gamma-BHC (Lindane)	0.005	14.36	1723	657767	4.81	ng/ml	100
6)	#Heptachlor	0.005	15.86	1903	450850	5.78	ng/ml	100
9)	#Endosulfan I	0.005	21.60	2592	509053	4.18	ng/ml	100
10)	#Dieldrin	0.010	23.03	2764	956470	10.12	ng/ml	100
12)	#Endrin	0.010	24.83	2979	846330	9.89	ng/ml	100
14)	#4,4'-DDD	0.010	25.64	3076	528933	9.18	ng/ml	100
16)	#4,4'-DDT	0.010	27.21	3265	609034	9.40	ng/ml	100
17)	#Methoxychlor	0.050	32.46	3895	2240729	57.73	ng/ml	100
19)	#Decachlorobiphenyl	0.010	41.68	5001	1346931	11.29	ng/ml	100

Compound uses ESTD

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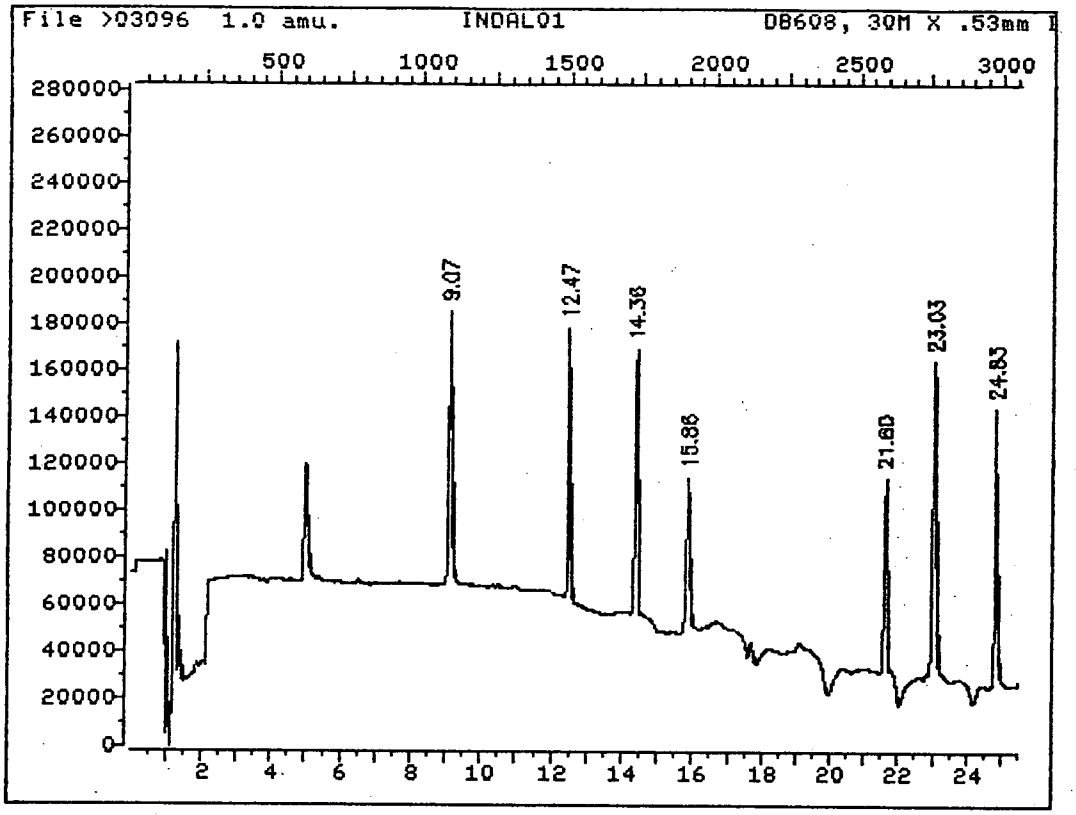
7/9/96



Data File: >03096::G3 Quant Output File: ^03096::F3
Name: INDAL01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:19
Injected at: 960701 22:20

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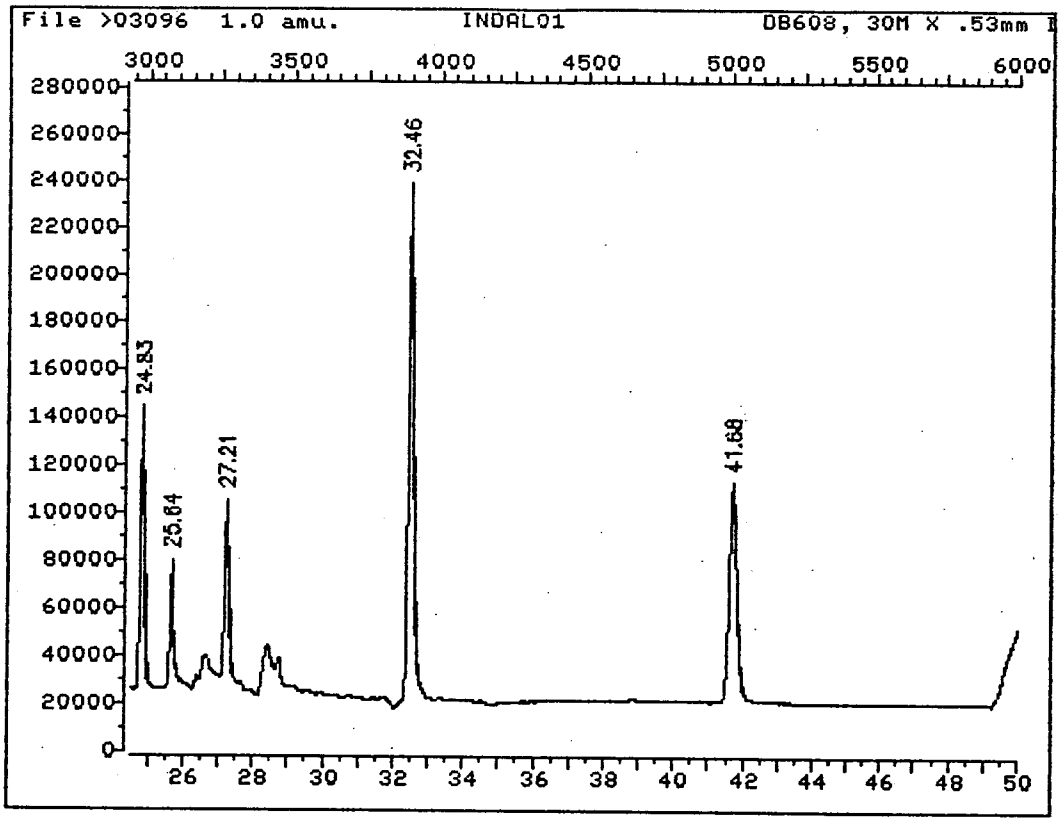

Data File: >03096::G3 Quant Output File: ^03096::F3
Name: INDAL01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:19
Injected at: 960701 22:20

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04096::F3
Data File: >04096::G5
Name: INDAL01
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960702 22:03
Injected at: 960701 22:20
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.005	9.31	1117	209296	5.05	ng/ml	100
2)	#alpha-BHC	0.005	13.42	1611	147796	4.51	ng/ml	100
5)	#gamma-BHC (Lindane)	0.005	15.27	1833	147396	4.33	ng/ml	100
6)	#Heptachlor	0.005	16.31	1957	252246	5.32	ng/ml	100
9)	#Endosulfan I	0.005	21.76	2611	169088	4.74	ng/ml	100
10)	#Dieldrin	0.010	23.40	2808	310262	9.55	ng/ml	100
12)	#Endrin	0.010	24.37	2924	280977	9.69	ng/ml	100
14)	#4,4'-DDD	0.010	26.55	3186	134544	6.37	ng/ml	100
16)	#4,4'-DDT	0.010	27.44	3293	124960	7.58	ng/ml	100
17)	#Methoxychlor	0.050	30.87	3704	724906	53.95	ng/ml	100
19)	#Decachlorobiphenyl	0.010	38.71	4645	500781	10.72	ng/ml	100

Compound uses ESTD

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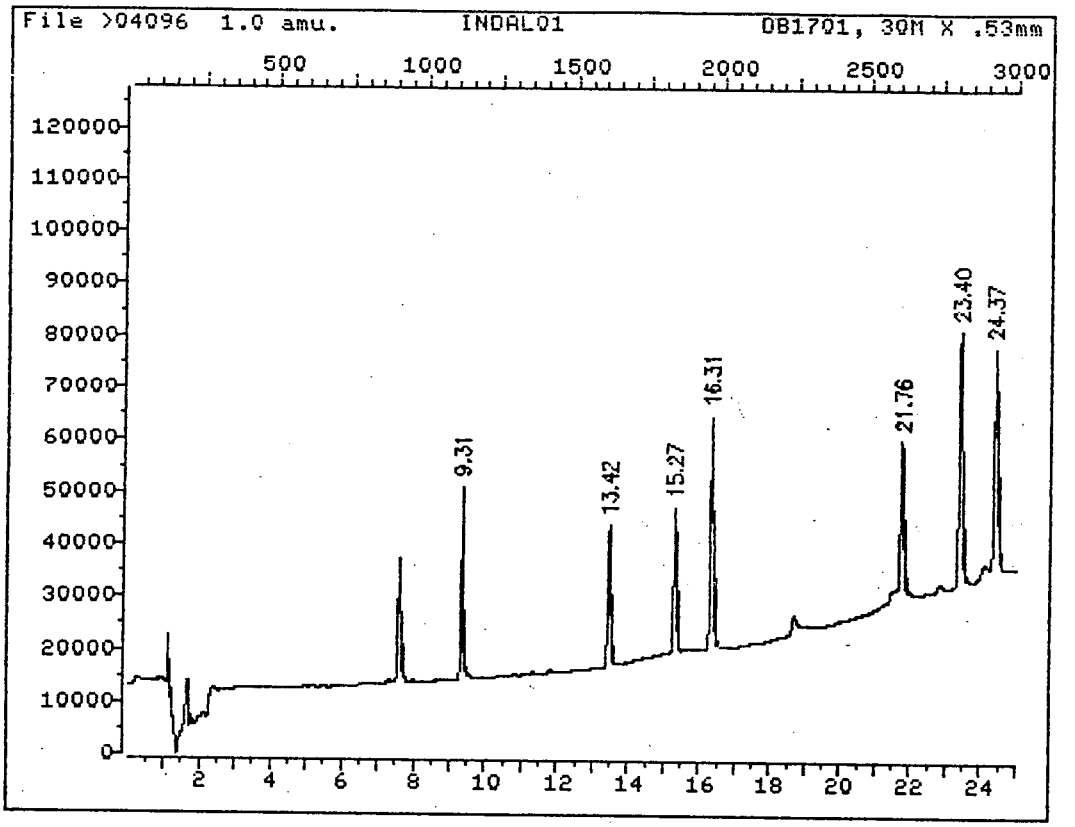
7/10/96



Data File: >04096::G5 Quant Output File: ^04096::F3
Name: INDAL01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:03
Injected at: 960701 22:20

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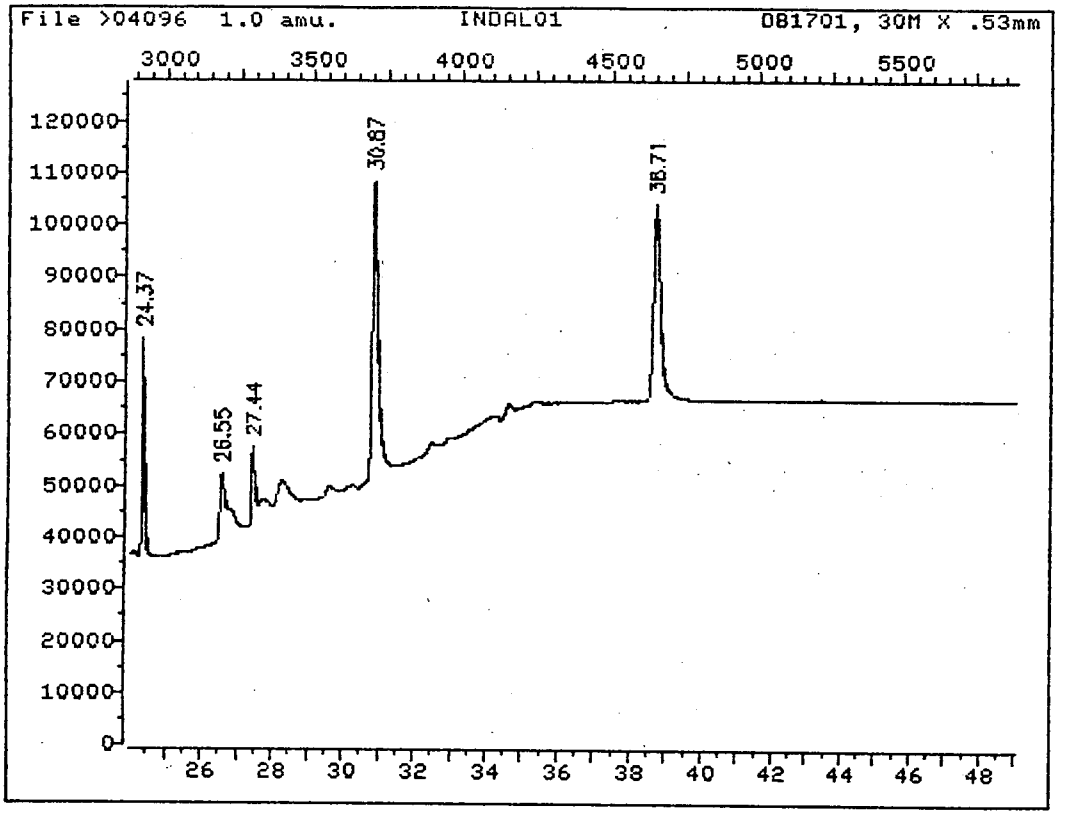

Data File: >04096::G5 Quant Output File: ^04096::F3
Name: INDAL01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:03
Injected at: 960701 22:20

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03098::F3
Data File: >03098::G3
Name: INDAM01
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960704 15:21
Injected at: 960702 00:13
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960701 19:30

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2502822	20.00	ng/ml	100
2)	#alpha-BHC	0.020	12.47	1497	2960652	20.00	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.37	1724	2733103	20.00	ng/ml	100
6)	#Heptachlor	0.020	15.86	1903	1560500	20.00	ng/ml	100
9)	#Endosulfan I	0.020	21.60	2592	2436935	20.00	ng/ml	100
10)	#Dieldrin	0.040	23.04	2765	3782044	40.00	ng/ml	100
12)	#Endrin	0.040	24.83	2979	3423695	40.00	ng/ml	100
14)	#4,4'-DDD	0.040	25.63	3075	2303959	40.00	ng/ml	100
16)	#4,4'-DDT	0.040	27.21	3265	2592689	40.00	ng/ml	100
17)	#Methoxychlor	0.200	32.46	3895	7764862	200.05	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.68	5001	4771763	40.00	ng/ml	100

Compound uses ESTD

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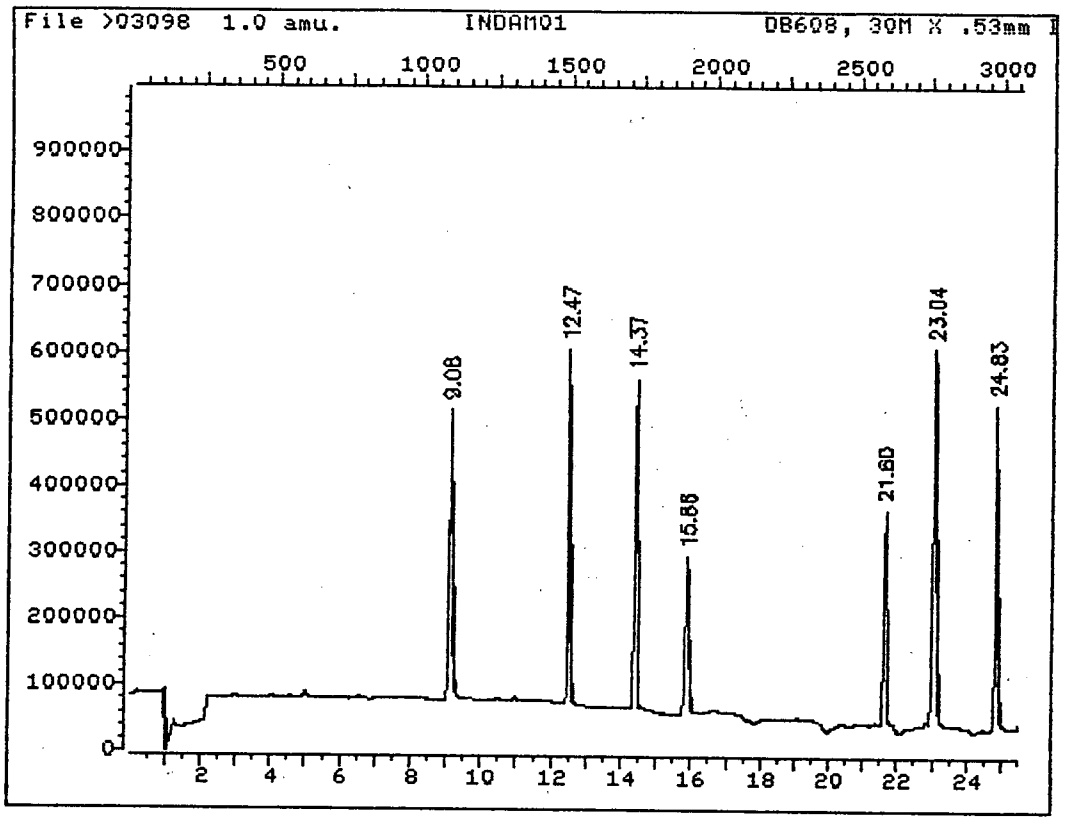

Data File: >03098::G3 Quant Output File: ^03098::F3
Name: INDAM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:21
Injected at: 960702 00:13

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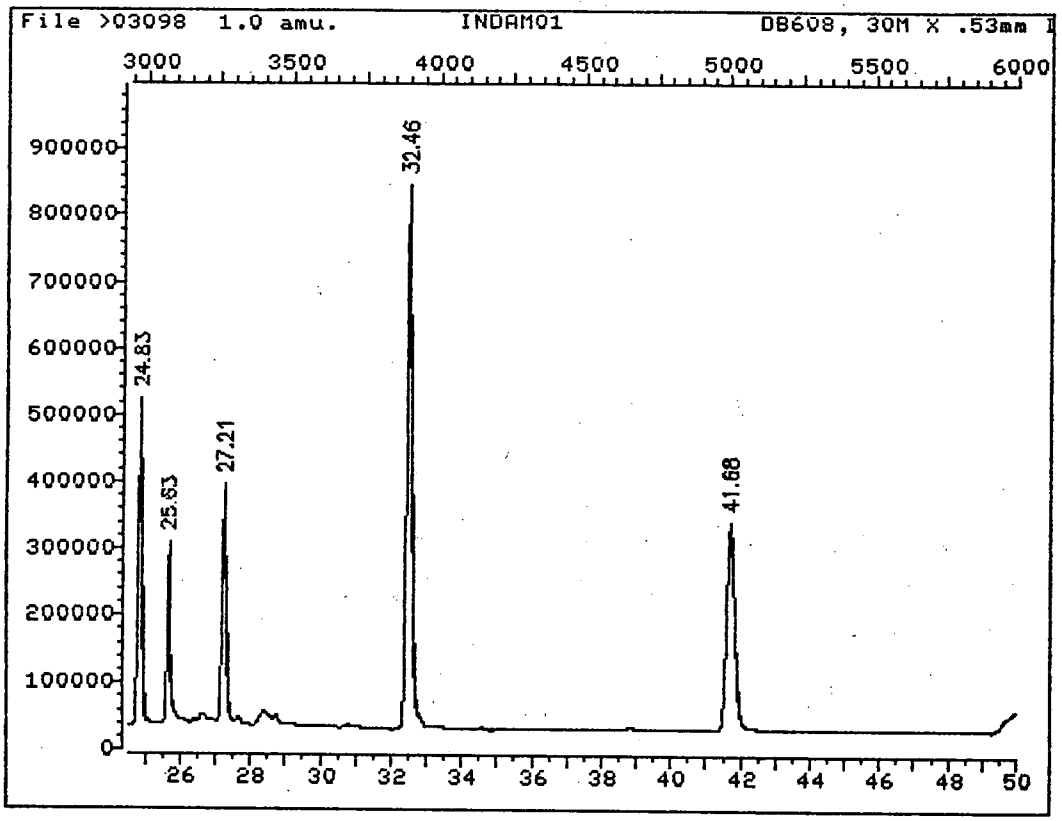

Data File: >03098::G3 Quant Output File: ^03098::F3
Name: INDAM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:21
Injected at: 960702 00:13

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04098::F3
Data File: >04098::G5
Name: INDAM01
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960702 22:05
Injected at: 960702 00:13
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	828292	20.00	ng/ml	100
2)	#alpha-BHC	0.020	13.43	1612	655302	20.00	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	15.27	1833	680084	20.00	ng/ml	100
6)	#Heptachlor	0.020	16.31	1957	948588	20.00	ng/ml	100
9)	#Endosulfan I	0.026	21.76	2611	714109	20.00	ng/ml	100
10)	#Dieldrin	0.040	23.41	2809	1298987	40.00	ng/ml	100
12)	#Endrin	0.040	24.37	2924	1159534	40.00	ng/ml	100
14)	#4,4'-DDD	0.040	26.54	3184	845236	40.00	ng/ml	100
16)	#4,4'-DDT	0.040	27.44	3292	659176	40.00	ng/ml	100
17)	#Methoxychlor	0.200	30.85	3702	2691965	200.36	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.71	4645	1867929	40.00	ng/ml	100

Compound uses ESTD

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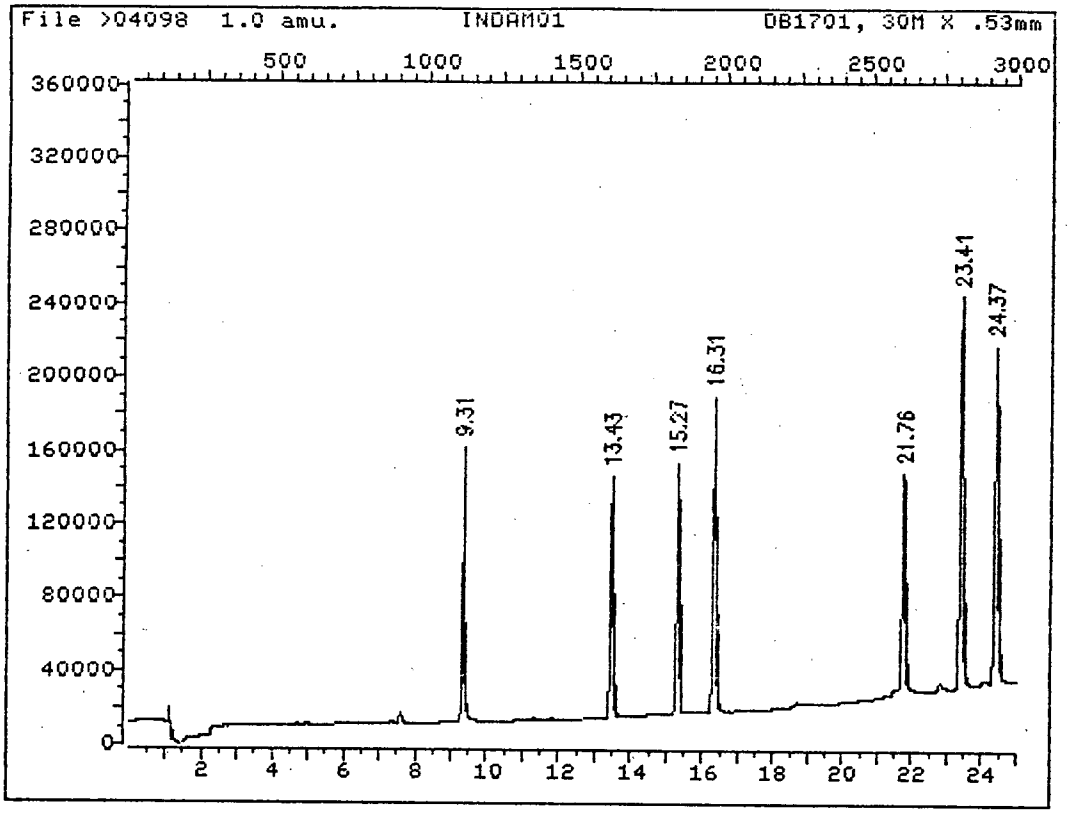

Data File: >04098::G5 Quant Output File: ^04098::F3
Name: INDAM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:05
Injected at: 960702 00:13

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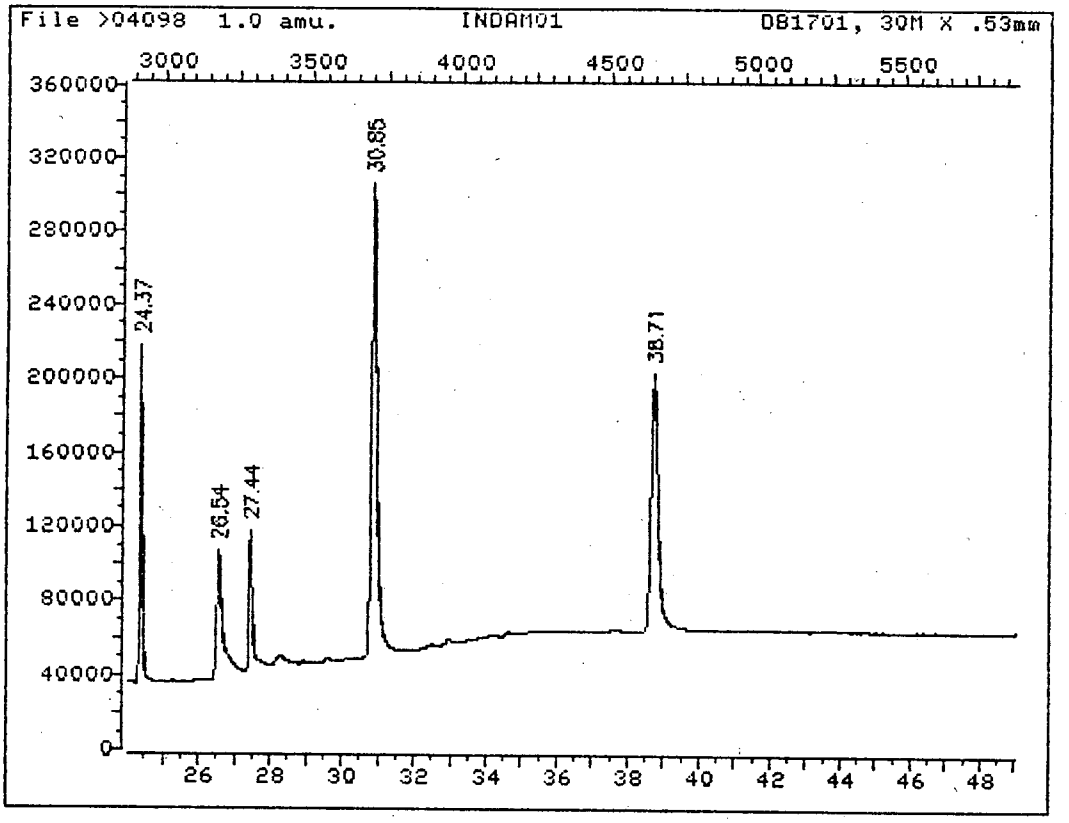

Data File: >04098::G5 Quant Output File: ^04098::F3
Name: INDAM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:05
Injected at: 960702 00:13

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03100::F3
Data File: >03100::G3
Name: INDAH01
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960704 15:23
Injected at: 960702 02:06
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960701 19:30

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.080	9.08	1090	8405454	67.17	ng/ml	100
2)	#alpha-BHC	0.080	12.48	1498	11661868	78.78	ng/ml	100
5)	#gamma-BHC (Lindane)	0.080	14.37	1724	10682612	78.17	ng/ml	100
6)	#Heptachlor	0.080	15.86	1903	5725931	73.39	ng/ml	100
9)	#Endosulfan I	0.080	21.61	2593	7826182	64.23	ng/ml	100
10)	#Dieldrin	0.160	23.04	2765	14244400	150.65	ng/ml	100
12)	#Endrin	0.160	24.84	2980	13015558	152.06	ng/ml	100
14)	#4,4'-DDD	0.160	25.63	3075	9654886	167.62	ng/ml	100
16)	#4,4'-DDT	0.160	27.21	3265	10446712	161.17	ng/ml	100
17)	#Methoxychlor	0.800	32.45	3894	25427624	655.11	ng/ml	100
19)	#Decachlorobiphenyl	0.160	41.68	5002	14605898	122.44	ng/ml	100

Compound uses ESTD

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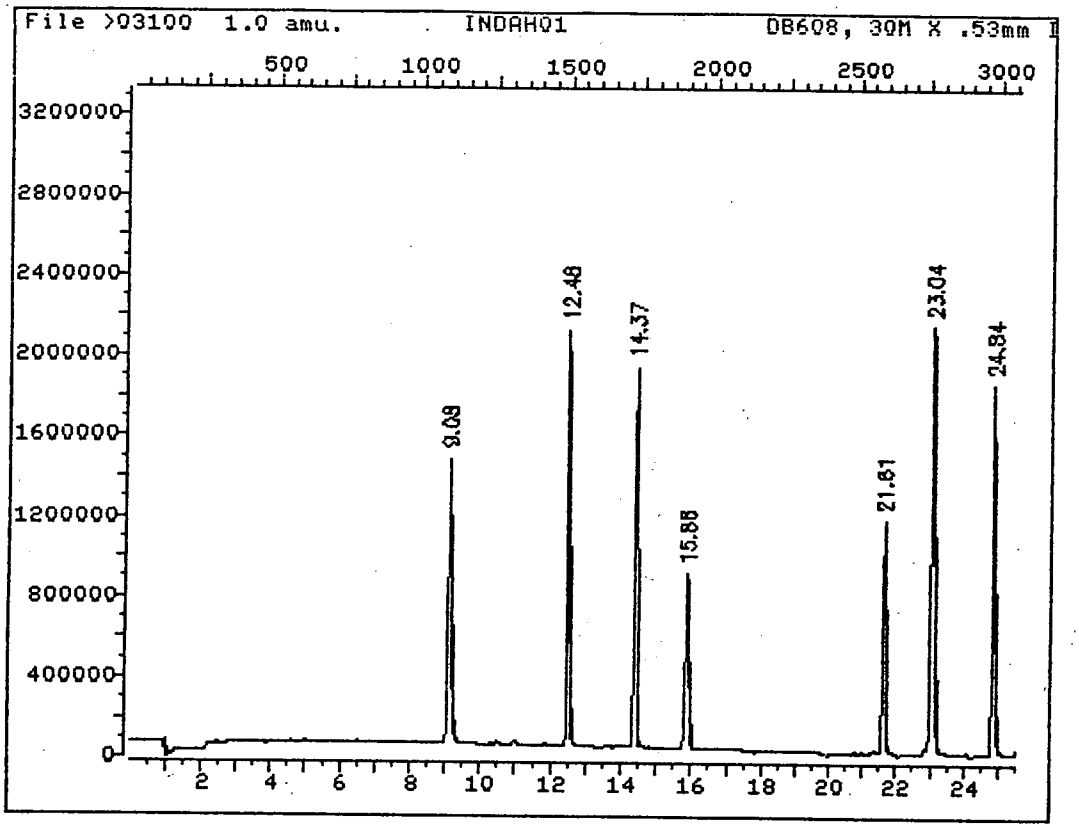

Data File: >03100::G3 Quant Output File: ^03100::F3
Name: INDAH01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:23
Injected at: 960702 02:06

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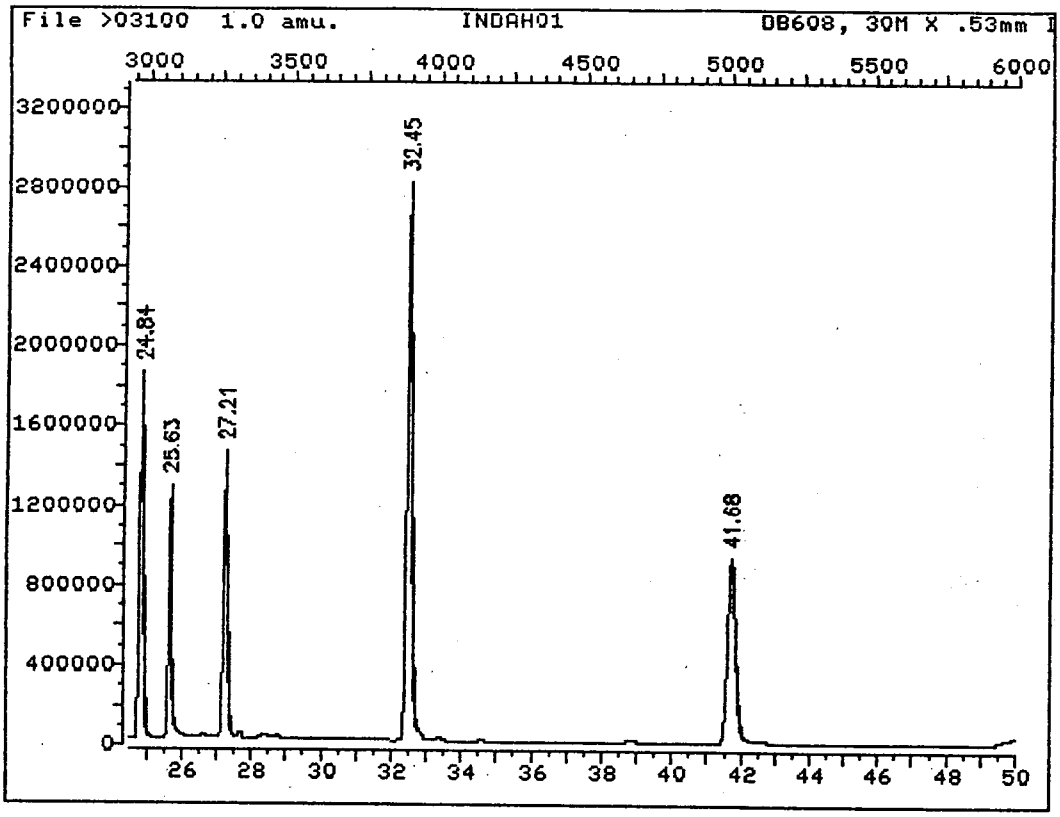

Data File: >03100::G3 Quant Output File: ^03100::F3
Name: INDAH01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:23
Injected at: 960702 02:06

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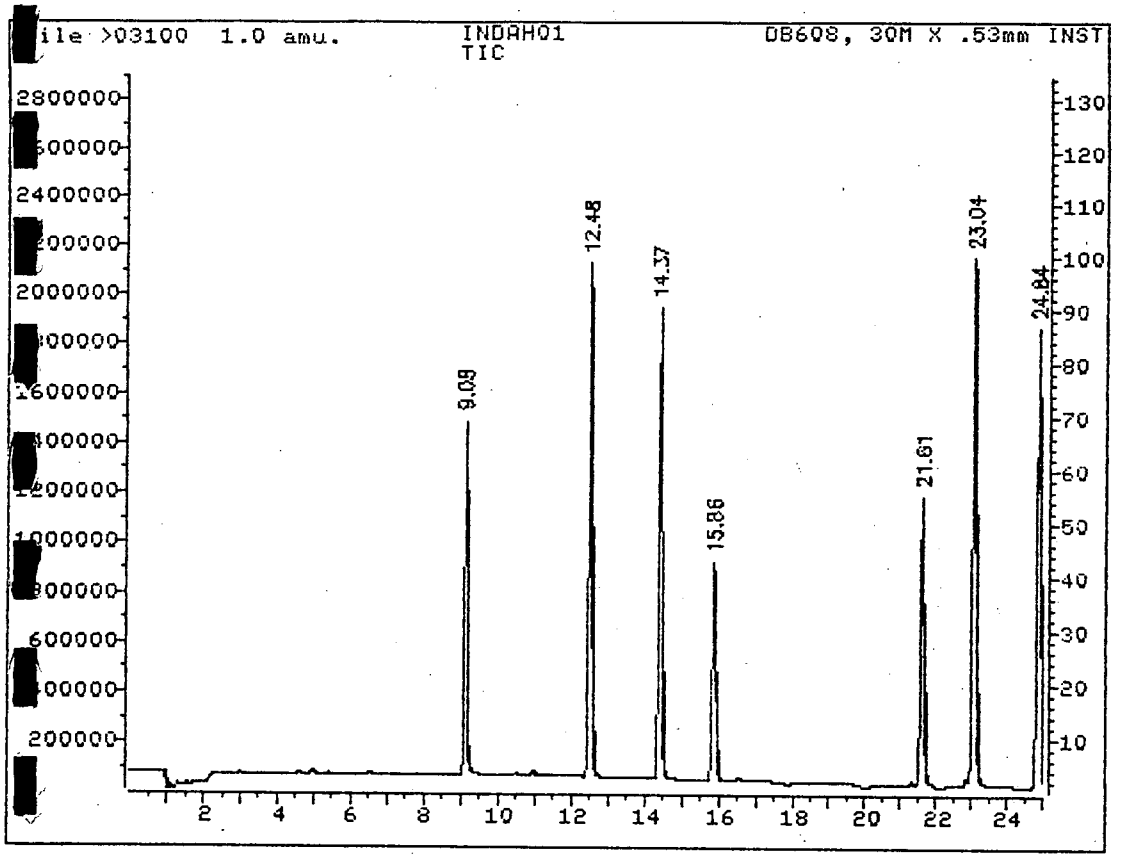
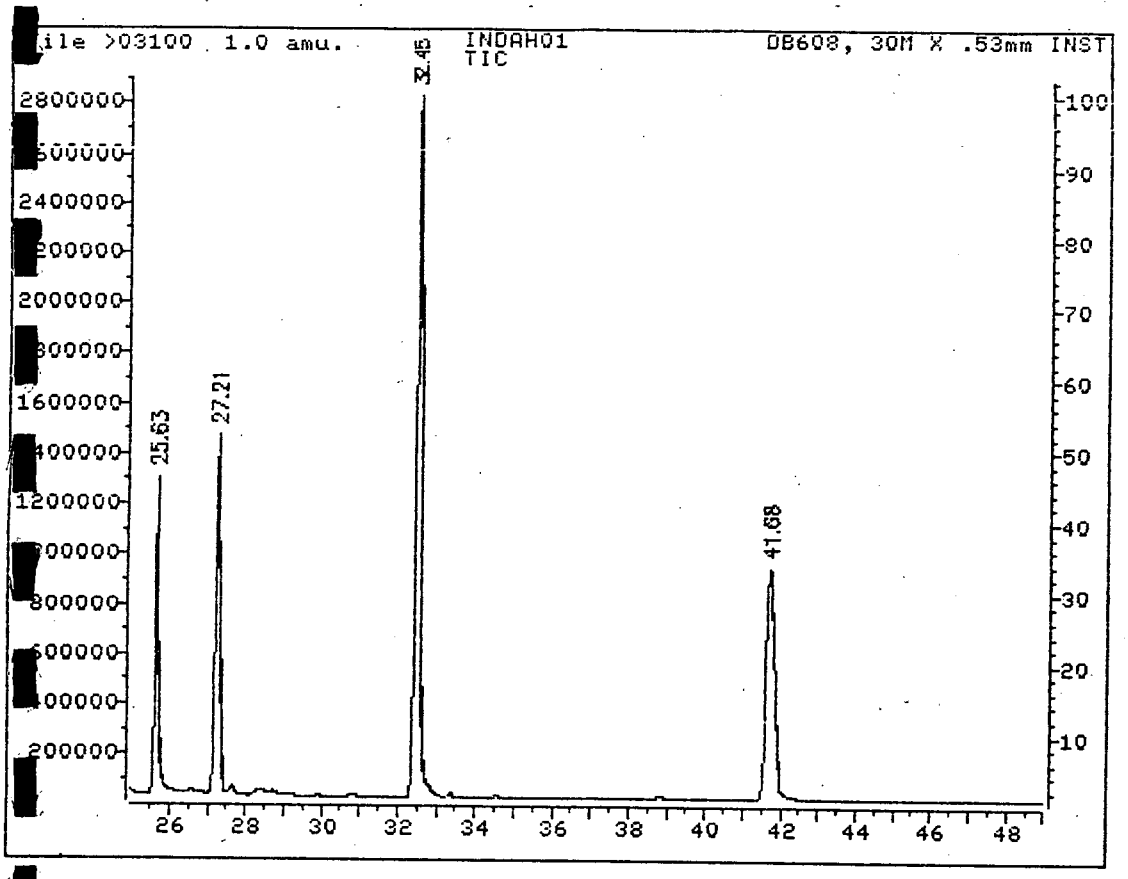


MS data file header from : >03100::G3

ample: INDAH01 Operator: TRFIL 7/02/96 2:06
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
vs. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >03100::G3

Sample: INDAH01 Operator: TRFIL 7/02/96 2:06
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

Operator ID: TRFIL
Output File: ^04100::F3
Data File: >04100::G5
Name: INDAH01
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960702 22:07
Injected at: 960702 02:06
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.080	9.32	1118	3106622	75.01	ng/ml	100
2)	#alpha-BHC	0.080	13.43	1612	3345394	102.10	ng/ml	100
5)	#gamma-BHC (Lindane)	0.080	15.27	1833	3290215	96.76	ng/ml	100
6)	#Heptachlor	0.080	16.31	1957	3513489	74.08	ng/ml	100
9)	#Endosulfan I	0.080	21.77	2612	2698935	75.59	ng/ml	100
10)	#Dieldrin	0.160	23.41	2809	5280509	162.60	ng/ml	100
12)	#Endrin	0.160	24.38	2925	4736116	163.38	ng/ml	100
14)	#4,4'-DDD	0.160	26.53	3183	3384967	160.19	ng/ml	100
16)	#4,4'-DDT	0.160	27.43	3291	3005909	182.40	ng/ml	100
17)	#Methoxychlor	0.800	30.84	3701	9647140	718.02	ng/ml	100
19)	#Decachlorobiphenyl	0.160	38.71	4645	6051036	129.58	ng/ml	100

Compound uses ESTD

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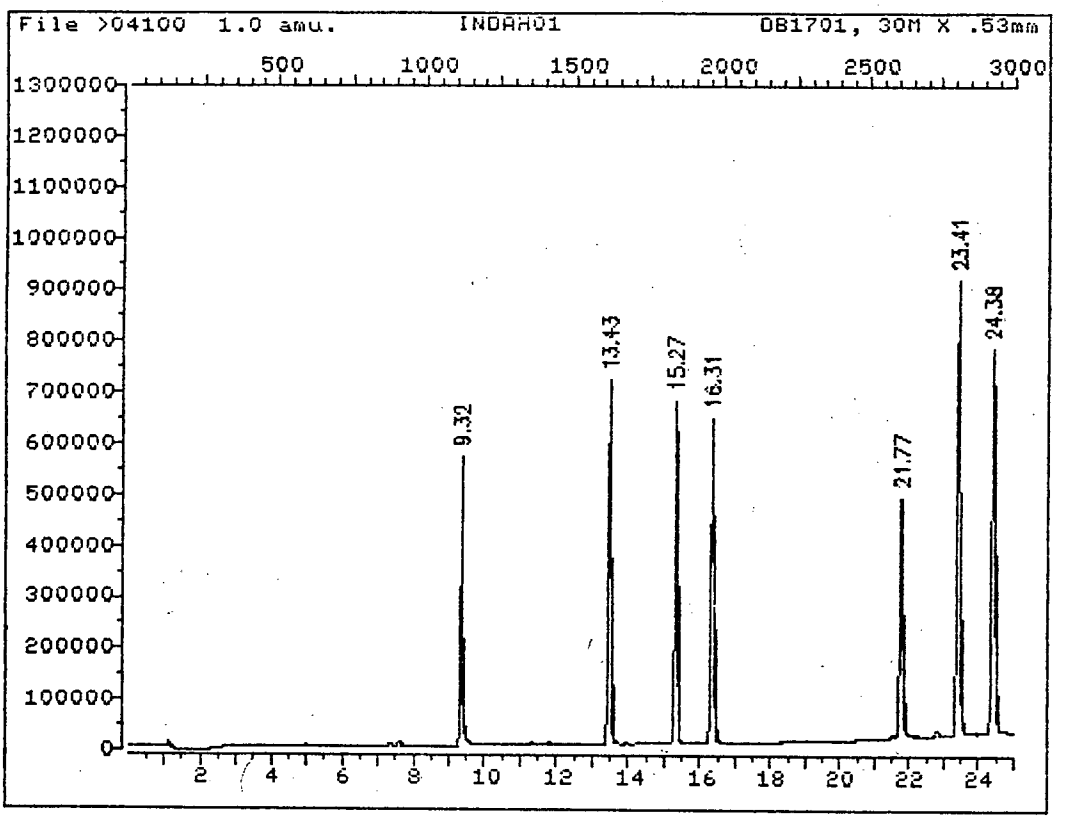
7/10/96



Data File: >04100::G5 Quant Output File: ^04100::F3
Name: INDAH01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:07
Injected at: 960702 02:06

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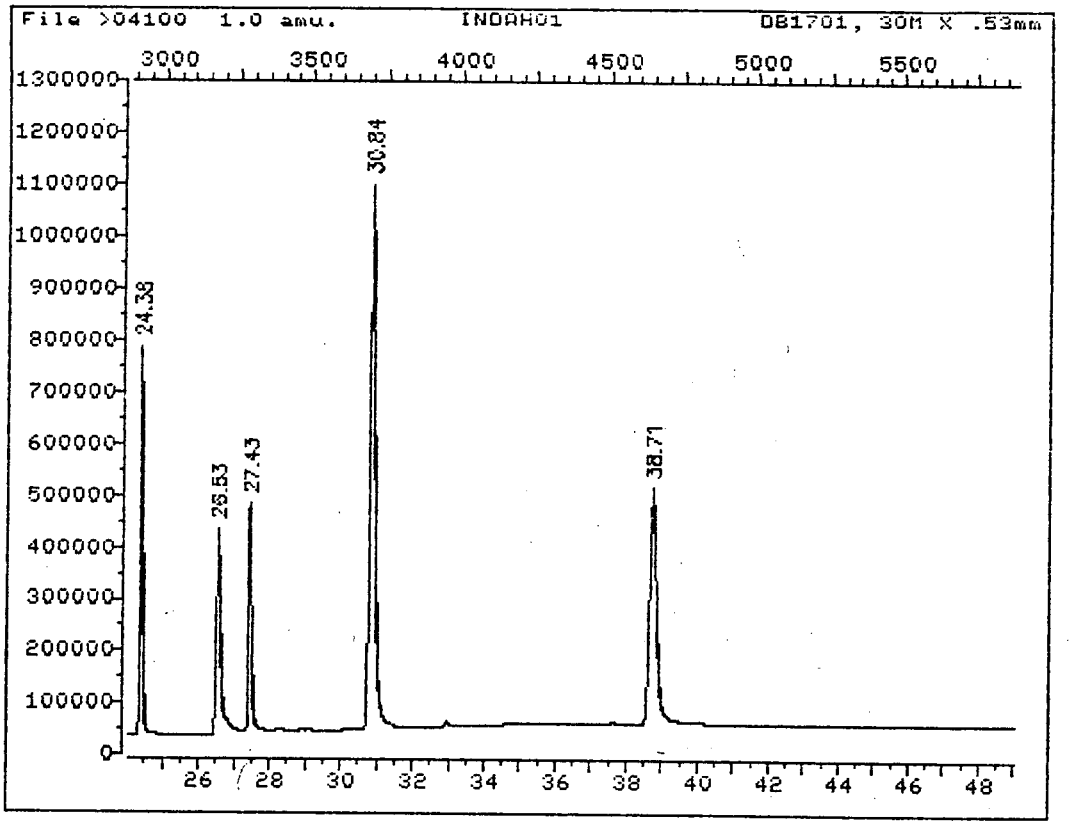

Data File: >04100::G5 Quant Output File: ^04100::F3
Name: INDAH01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:07
Injected at: 960702 02:06

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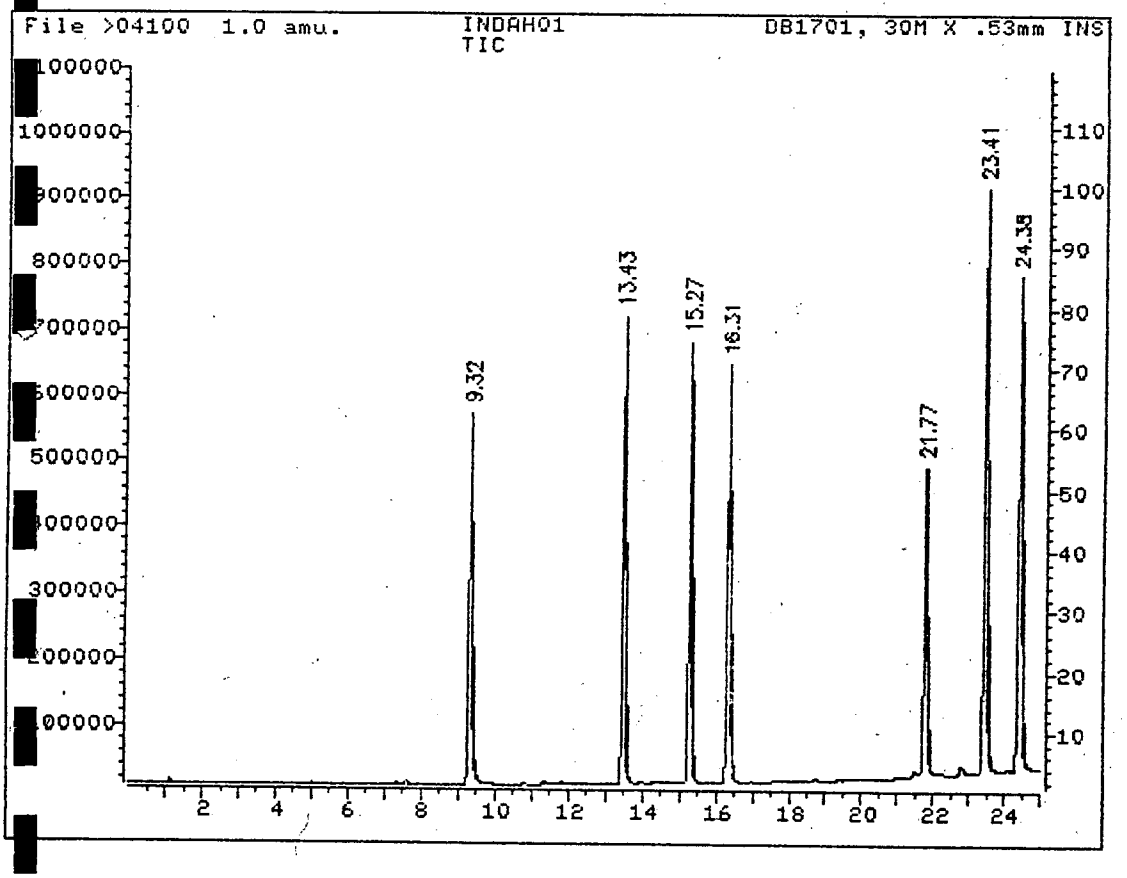
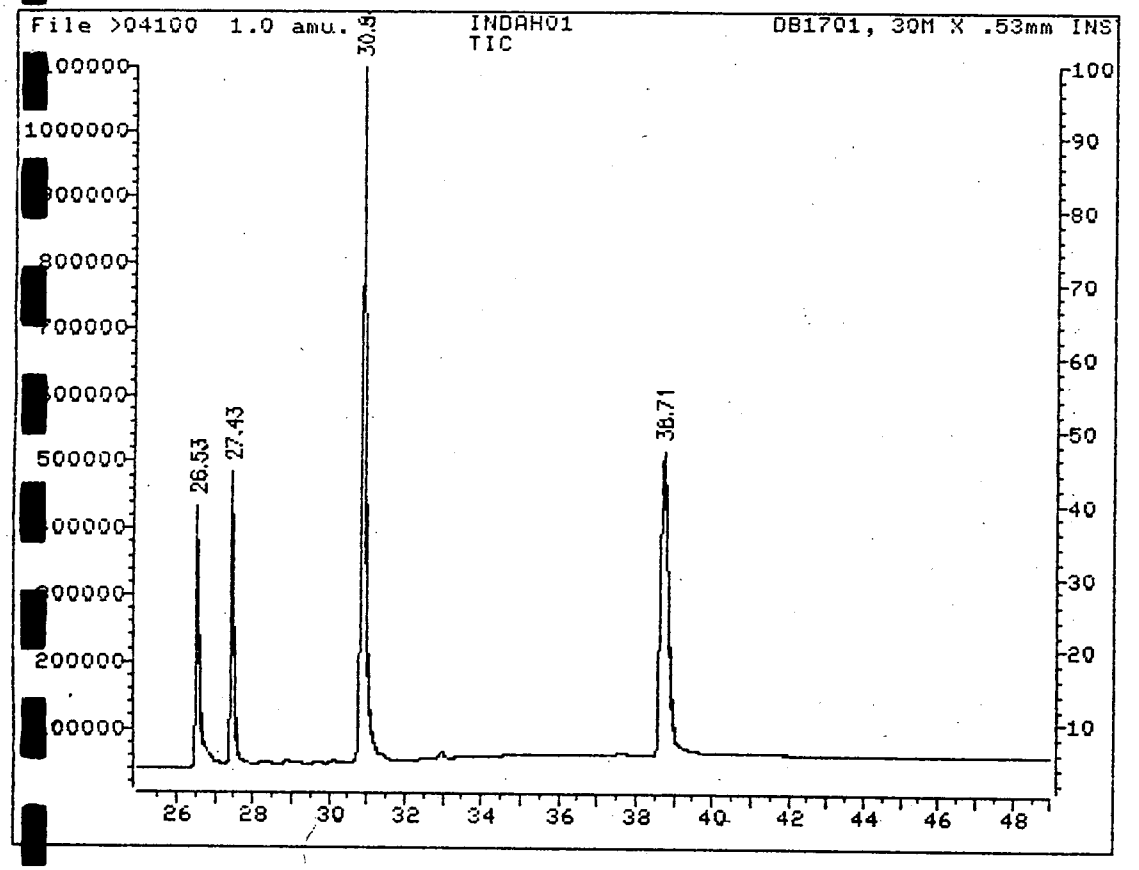


S data file header from : >04100::G5

Sample: INDAH01 Operator: TRFIL 7/02/96 2:06
isc : DB1701, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



S data file header from : >04100::G5

Sample: INDAH01 Operator: TRFIL 7/02/96 2:06
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:05
Output File: ^03305::GQ Injected at: 960713 22:55
Data File: >03305::F3 Dilution Factor: 1.00000
Name: INDAL01A Instrument ID: GC03
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.005	9.07	1089	621350	5.19	ng/ml	100
2)	#alpha-BHC	0.005	12.47	1496	695834	4.67	ng/ml	100
5)	#gamma-BHC (Lindane)	0.005	14.36	1723	664578	4.80	ng/ml	100
6)	#Heptachlor	0.005	15.86	1903	567934	5.41	ng/ml	100
9)	#Endosulfan I	0.005	21.60	2592	538261	5.07	ng/ml	100
10)	#Dieldrin	0.010	23.03	2764	930896	9.87	ng/ml	100
12)	#Endrin	0.010	24.82	2978	875203	10.01	ng/ml	100
14)	#4,4'-DDD	0.010	25.62	3074	558693	9.05	ng/ml	100
16)	#4,4'-DDT	0.010	27.20	3264	623486	9.18	ng/ml	100
17)	#Methoxychlor	0.050	32.45	3894	2231913	56.10	ng/ml	100
19)	#Decachlorobiphenyl	0.010	41.66	4999	1245243	10.77	ng/ml	100

Compound uses ESTD

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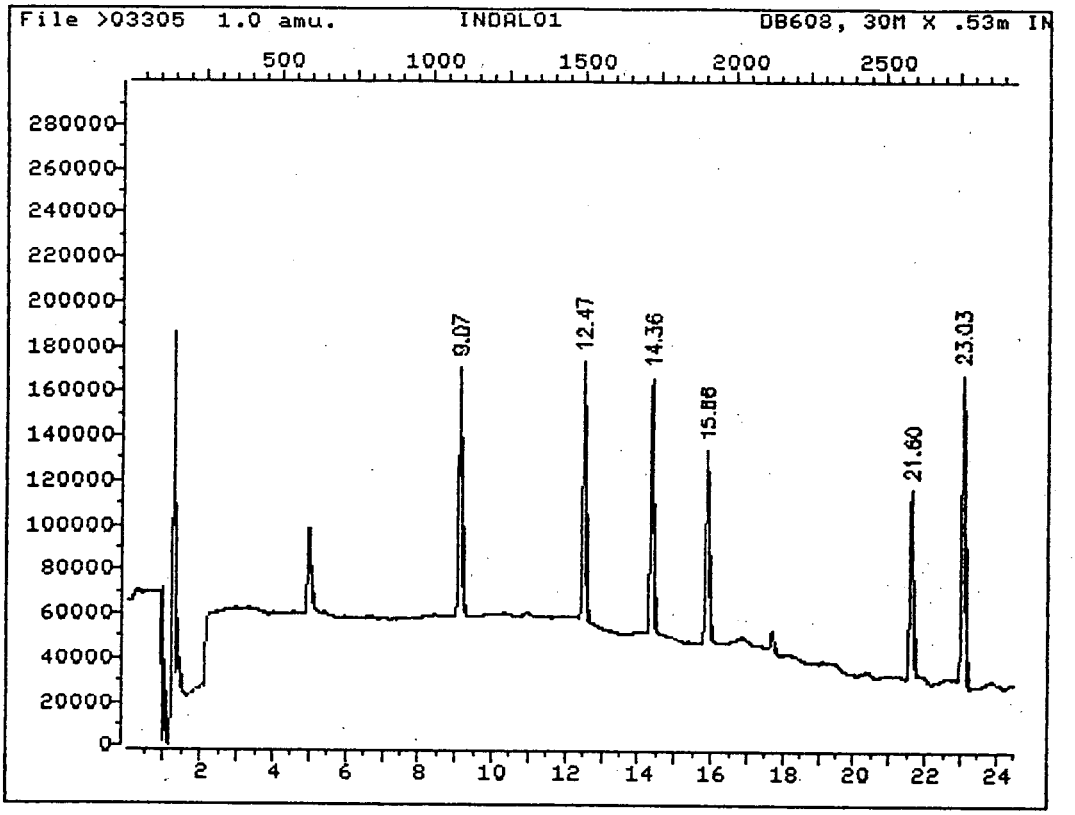

Data File: >03305::F3 Quant Output File: ^03305::GQ
Name: INDAL01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:05
Injected at: 960713 22:55

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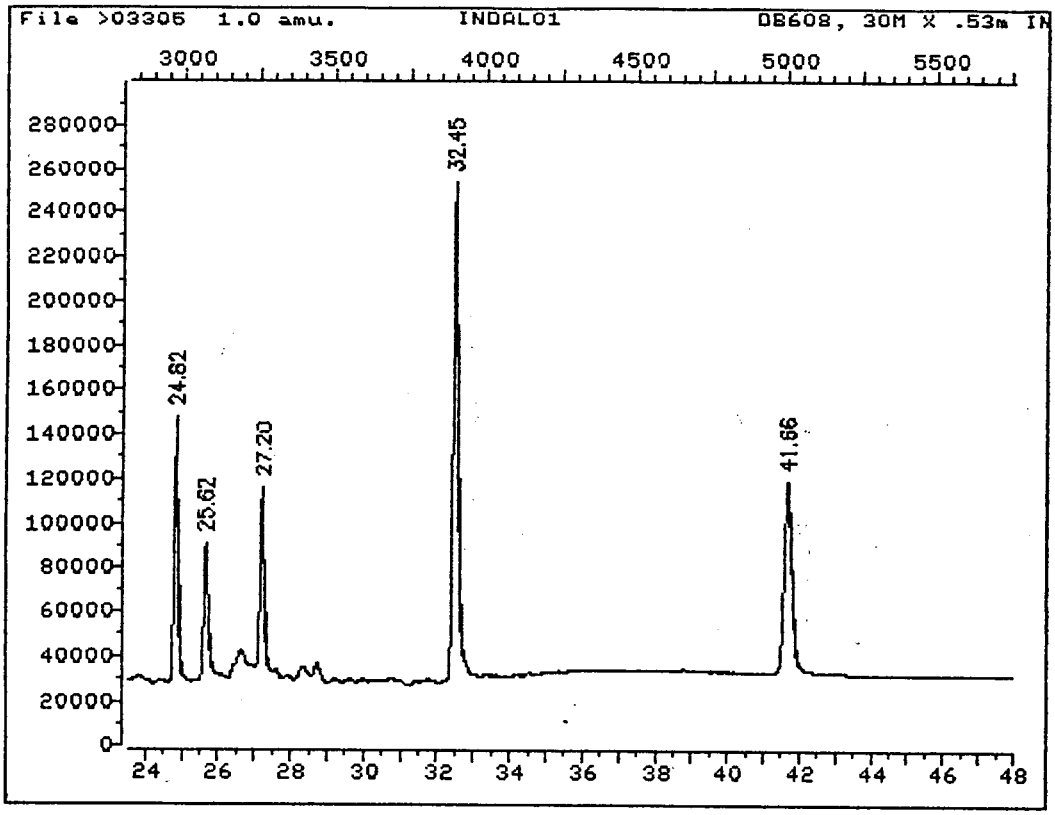

Data File: >03305::F3 Quant Output File: ^03305::GQ
Name: INDAL01 Instrument ID: GC03
Misc: DB608. 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:05
Injected at: 960713 22:55

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:23
Output File: ^04305::GQ Injected at: 960713 22:55
Data File: >04305::G1 Dilution Factor: 1.00000
Name: INDAL01A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.005	9.31	1117	212350	5.19	ng/ml	100
2)	#alpha-BHC	0.005	13.42	1611	147600	4.54	ng/ml	100
5)	#gamma-BHC (Lindane)	0.005	15.27	1832	153688	4.52	ng/ml	100
6)	#Heptachlor	0.005	16.31	1957	247796	5.30	ng/ml	100
9)	#Endosulfan I	0.005	21.76	2611	167701	4.81	ng/ml	100
10)	#Dieldrin	0.010	23.40	2808	305530	9.52	ng/ml	100
12)	#Endrin	0.010	24.37	2924	305465	10.52	ng/ml	100
14)	#4,4'-DDD	0.010	26.54	3184	160567	8.35	ng/ml	100
16)	#4,4'-DDT	0.010	27.44	3292	146716	8.39	ng/ml	100
17)	#Methoxychlor	0.050	30.86	3703	654243	48.88	ng/ml	100
19)	#Decachlorobiphenyl	0.010	38.71	4645	474949	10.36	ng/ml	100

Compound uses ESTD

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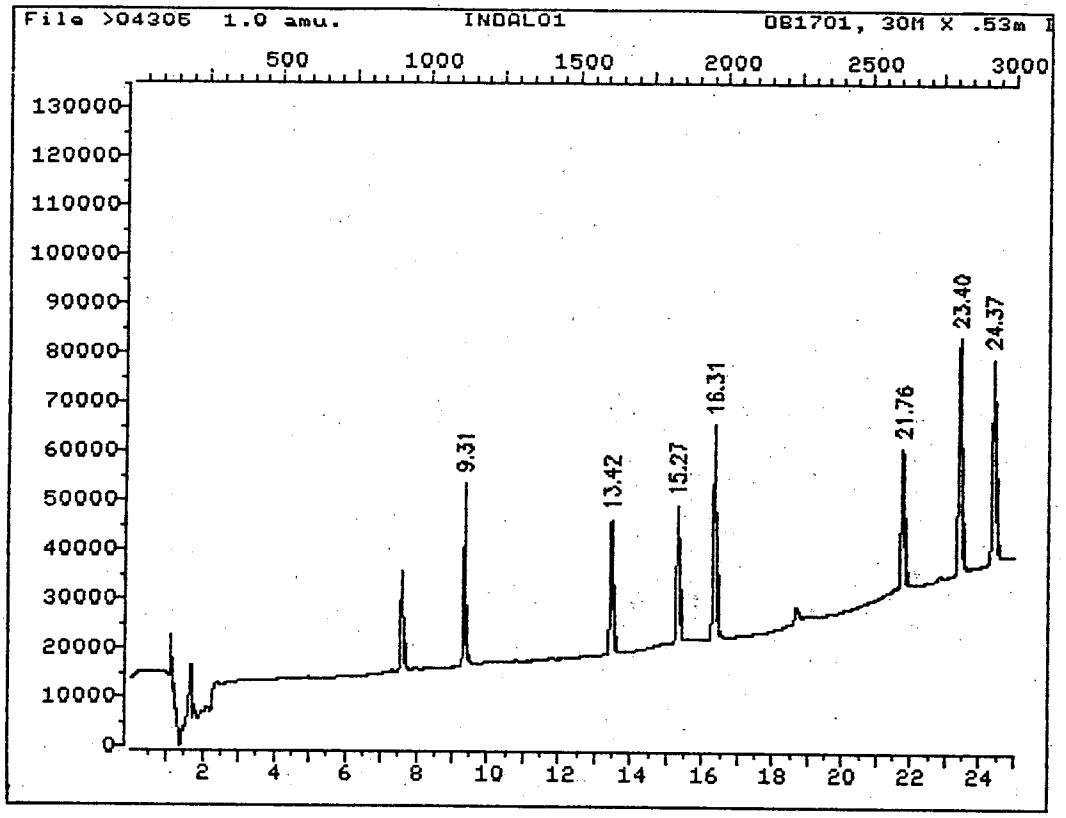
7/22/96



Data File: >04305::G1 Quant Output File: ^04305::GQ
Name: INDAL01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:23
Injected at: 960713 22:55

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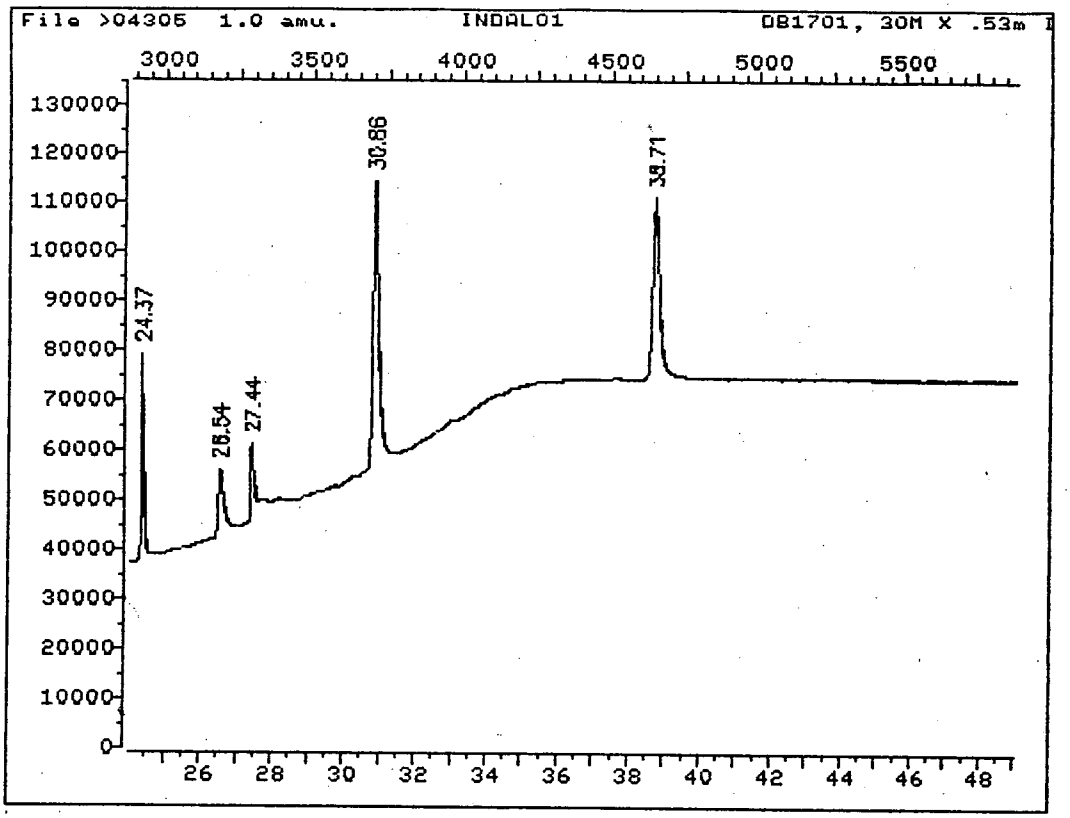

Data File: >04305::G1 Quant Output File: ^04305::GQ
Name: INDAL01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:23
Injected at: 960713 22:55

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:07
Output File: ^03307::GQ Injected at: 960714 00:44
Data File: >03307::F3 Dilution Factor: 1.00000
Name: INDAM01A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2392532	20.00	ng/ml	100
2)	#alpha-BHC	0.020	12.47	1497	2980602	20.00	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.36	1723	2771193	20.00	ng/ml	100
6)	#Heptachlor	0.020	15.85	1902	2101125	20.00	ng/ml	100
9)	#Endosulfan I	0.020	21.60	2592	2122758	20.00	ng/ml	100
10)	#Dieldrin	0.040	23.03	2764	3773441	40.00	ng/ml	100
12)	#Endrin	0.040	24.83	2979	3496214	40.00	ng/ml	100
14)	#4,4'-DDD	0.040	25.62	3074	2451702	39.71	ng/ml	100
16)	#4,4'-DDT	0.040	27.20	3264	2717228	40.00	ng/ml	100
17)	#Methoxychlor	0.200	32.44	3893	7953076	199.90	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.66	4999	4620732	39.97	ng/ml	100

Compound uses ESTD

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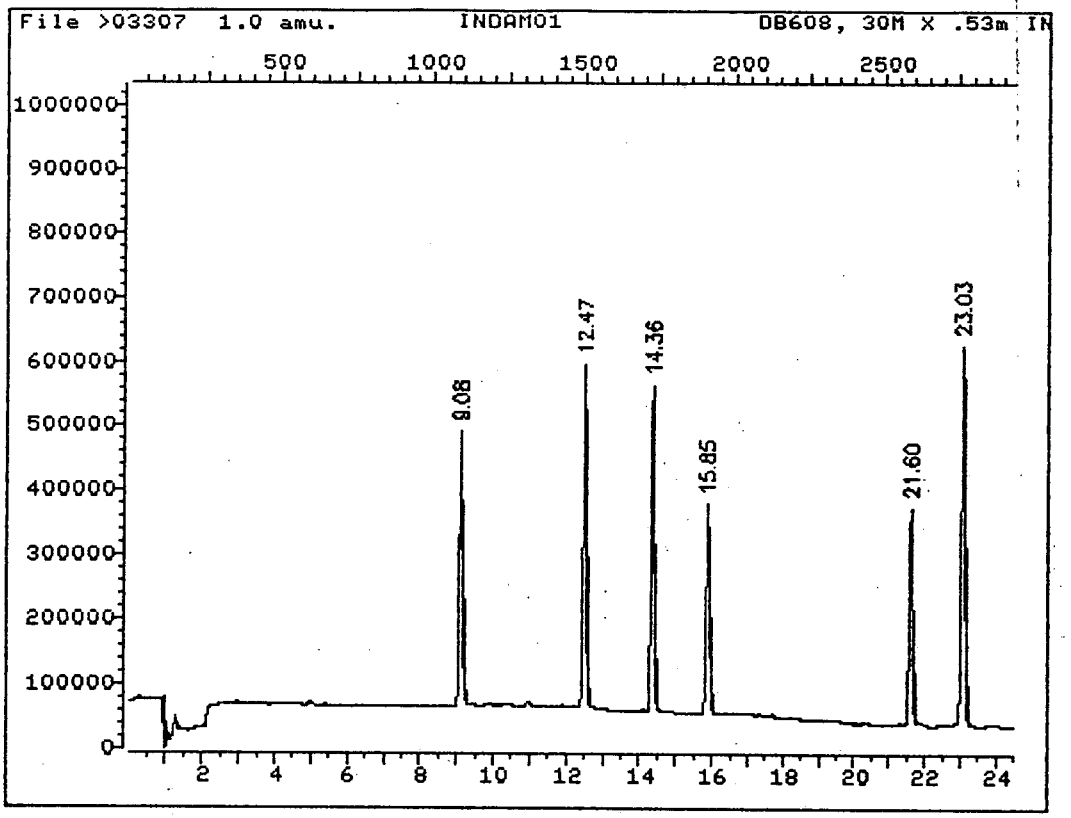

Data File: >03307::F3 Quant Output File: ^03307::GQ
Name: INDAM01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:07
Injected at: 960714 00:44

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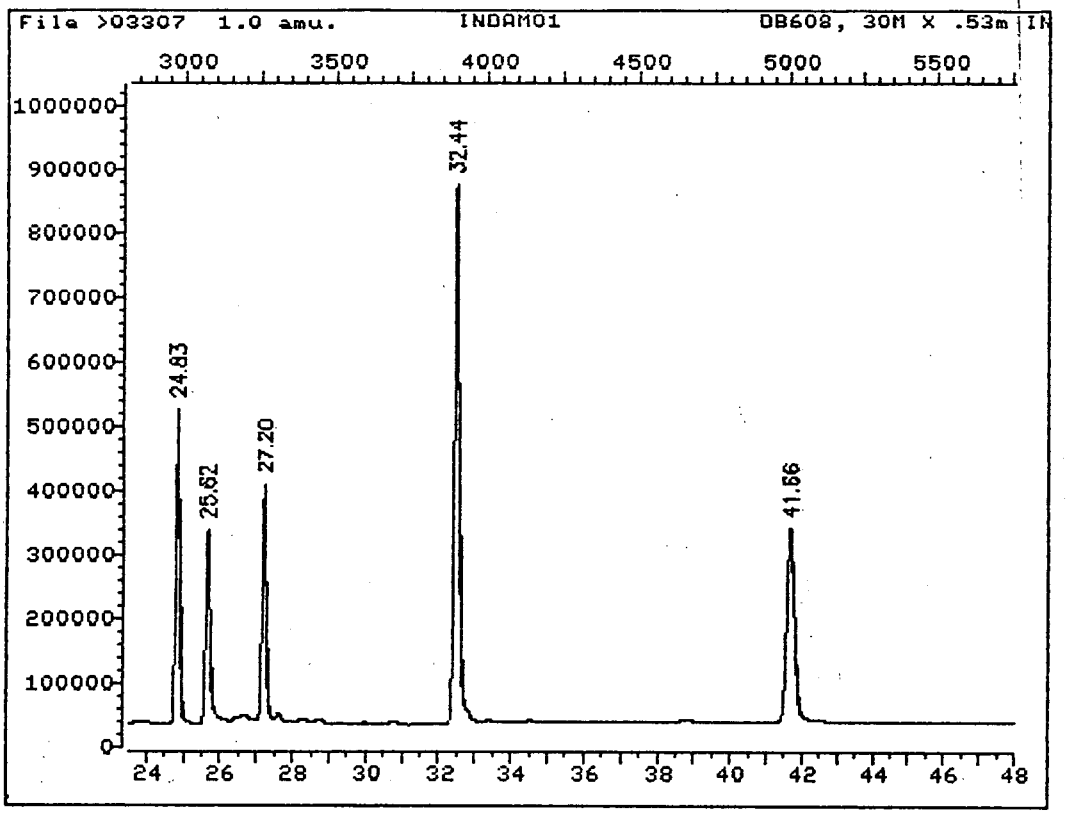

Data File: >03307::F3 Quant Output File: ^03307::GQ
Name: INDAM01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:07
Injected at: 960714 00:44

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:25
Output File: ^04307::GQ Injected at: 960714 00:44
Data File: >04307::G1 Dilution Factor: 1.00000
Name: INDAM01A Instrument ID: GC04
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	818276	20.00	ng/ml	100
2)	#alpha-BHC	0.020	13.42	1611	650885	20.00	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	15.27	1832	680219	20.00	ng/ml	100
6)	#Heptachlor	0.020	16.31	1957	935589	20.00	ng/ml	100
9)	#Endosulfan I	0.020	21.76	2611	697867	20.00	ng/ml	100
10)	#Dieldrin	0.040	23.40	2808	1283458	39.99	ng/ml	100
12)	#Endrin	0.040	24.37	2924	1161525	40.00	ng/ml	100
14)	#4,4'-DDD	0.040	26.53	3183	768887	40.00	ng/ml	100
16)	#4,4'-DDT	0.040	27.43	3291	699086	40.00	ng/ml	100
17)	#Methoxychlor	0.200	30.84	3701	2677130	200.00	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.71	4645	1834418	40.00	ng/ml	100

Compound uses ESTD

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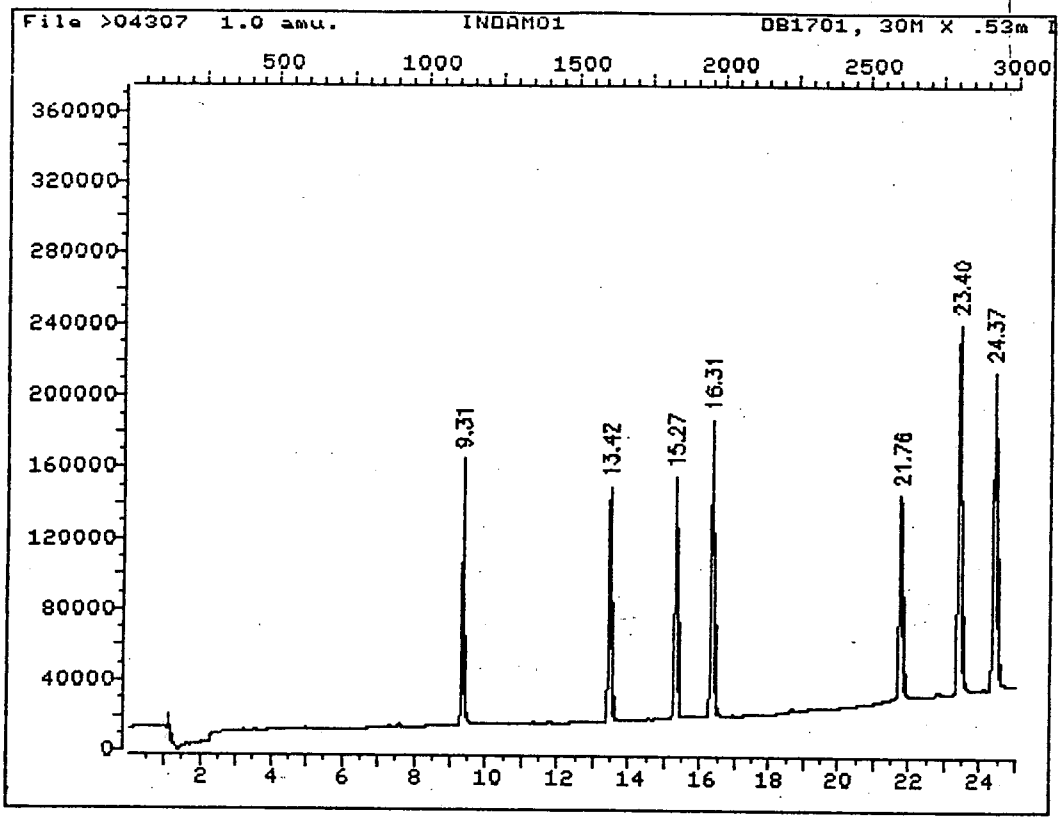

Data File: >04307::G1 Quant Output File: ^04307::GQ
Name: INDAM01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:25
Injected at: 960714 00:44

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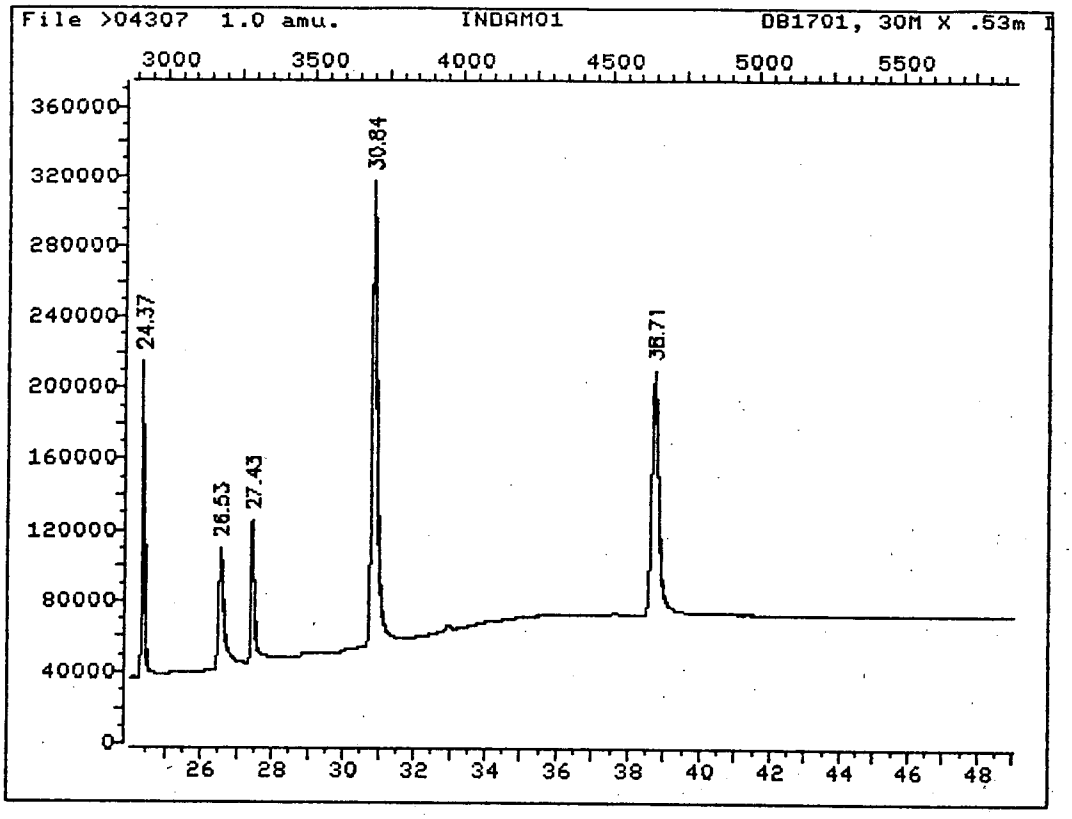

Data File: >04307::G1 Quant Output File: ^04307::GQ
Name: INDAM01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:25
Injected at: 960714 00:44

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QUANT REPORT

Operator ID: TRFI2
Output File: ^03309::GQ
Data File: >03309::F3
Name: INDAH01A
Misc: DB608, 30M X .53m INST 58903, 1uL INJ

Quant Rev: 7

Quant Time: 960719 14:10
Injected at: 960714 02:33
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07

Last Qcal Time: 960713 22:00

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.080	9.07	1089	8311706	69.48	ng/ml	100
2)	#alpha-BHC	0.080	12.47	1497	12017956	80.64	ng/ml	100
5)	#gamma-BHC (Lindane)	0.080	14.36	1723	11095022	80.07	ng/ml	100
6)	#Heptachlor	0.080	15.86	1903	7763797	73.90	ng/ml	100
9)	#Endosulfan I	0.080	21.59	2591	7940062	74.81	ng/ml	100
10)	#Dieldrin	0.160	23.03	2764	14653404	155.33	ng/ml	100
12)	#Endrin	0.160	24.82	2978	13385048	153.14	ng/ml	100
14)	#4,4'-DDD	0.160	25.61	3073	10353114	167.67	ng/ml	100
16)	#4,4'-DDT	0.160	27.19	3263	11067664	162.93	ng/ml	100
17)	#Methoxychlor	0.800	32.44	3892	25818428	648.96	ng/ml	100
19)	#Decachlorobiphenyl	0.160	41.65	4998	14703094	127.17	ng/ml	100

Compound uses ESTD

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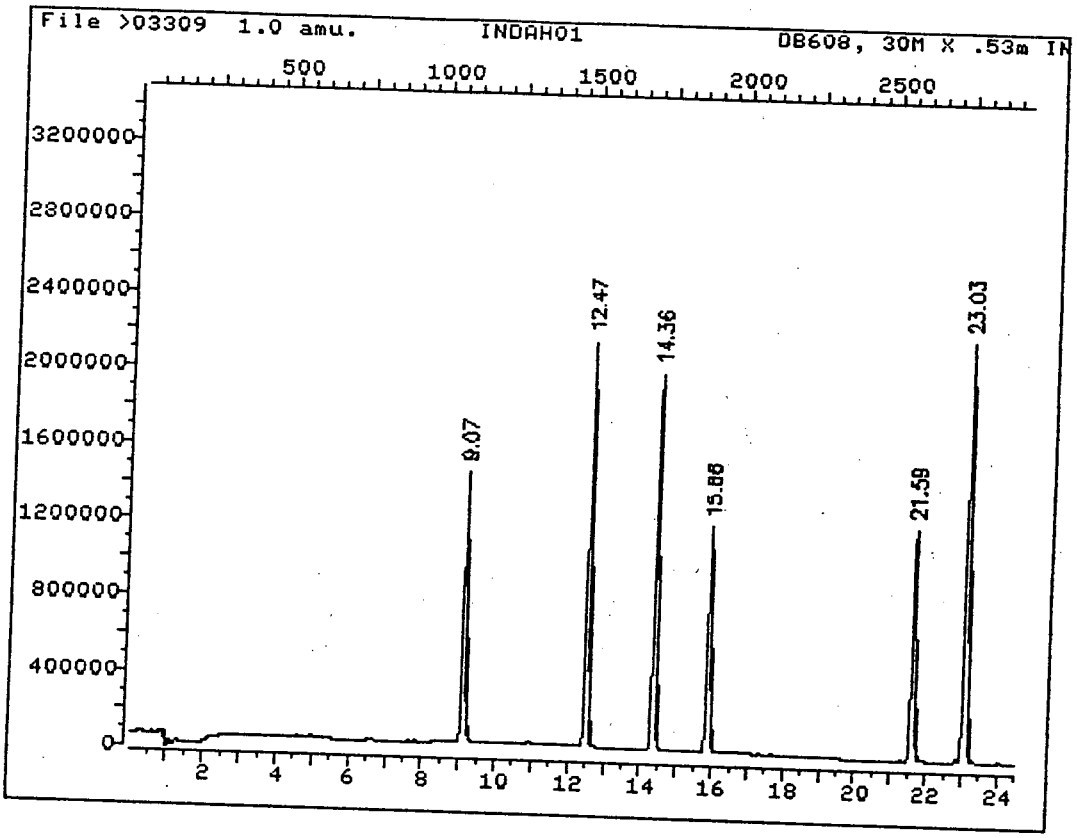

Data File: >03309::F3
Name: INDAH01
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Output File: ^03309::GQ
Instrument ID: GC03

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07

Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:10
Injected at: 960714 02:33

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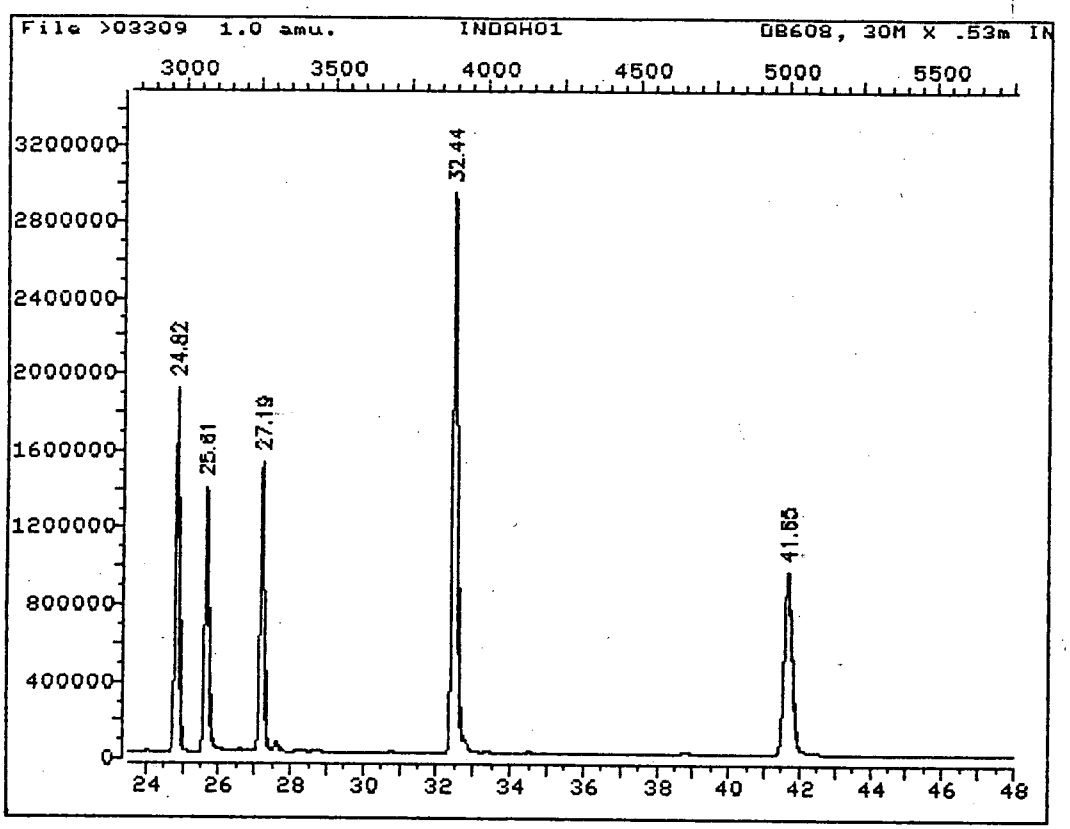

Data File: >03309::F3 Quant Output File: ^03309::GQ
Name: INDAH01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:10
Injected at: 960714 02:33

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:27
Output File: ^04309::GQ Injected at: 960714 02:33
Data File: >04309::G1 Dilution Factor: 1.00000
Name: INDAH01A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.080	9.31	1117	3122583	76.32	ng/ml	100
2)	#alpha-BHC	0.080	13.42	1611	3407177	104.69	ng/ml	100
5)	#gamma-BHC (Lindane)	0.080	15.27	1832	3380703	99.40	ng/ml	100
6)	#Heptachlor	0.080	16.31	1957	3574471	76.41	ng/ml	100
9)	#Endosulfan I	0.080	21.76	2611	2778474	79.63	ng/ml	100
10)	#Dieldrin	0.160	23.41	2809	5420871	168.91	ng/ml	100
12)	#Endrin	0.160	24.36	2923	4871158	167.75	ng/ml	100
14)	#4,4'-DDD	0.160	26.51	3181	3383367	176.01	ng/ml	100
16)	#4,4'-DDT	0.160	27.42	3290	3212571	183.82	ng/ml	100
17)	#Methoxychlor	0.800	30.83	3699	10010602	747.86	ng/ml	100
19)	#Decachlorobiphenyl	0.160	38.70	4644	6198480	135.16	ng/ml	100

Compound uses ESTD

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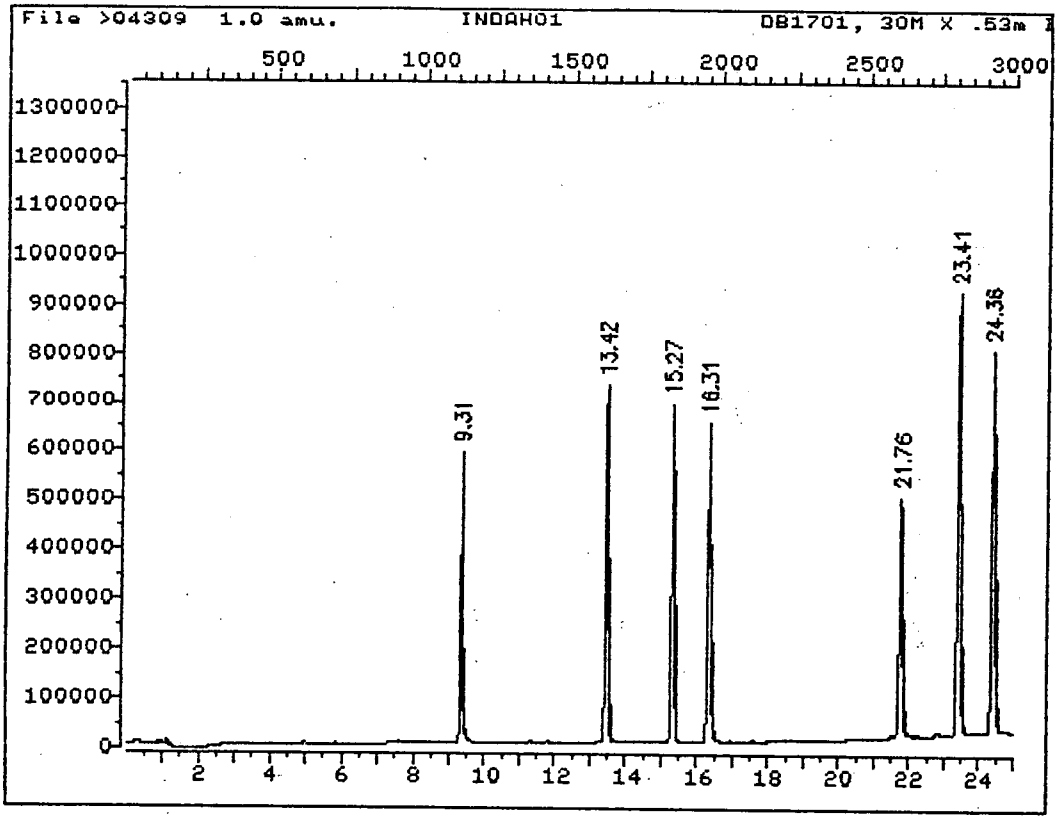

Data File: >04309::G1 Quant Output File: ^04309::GQ
Name: INDAH01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:27
Injected at: 960714 02:33

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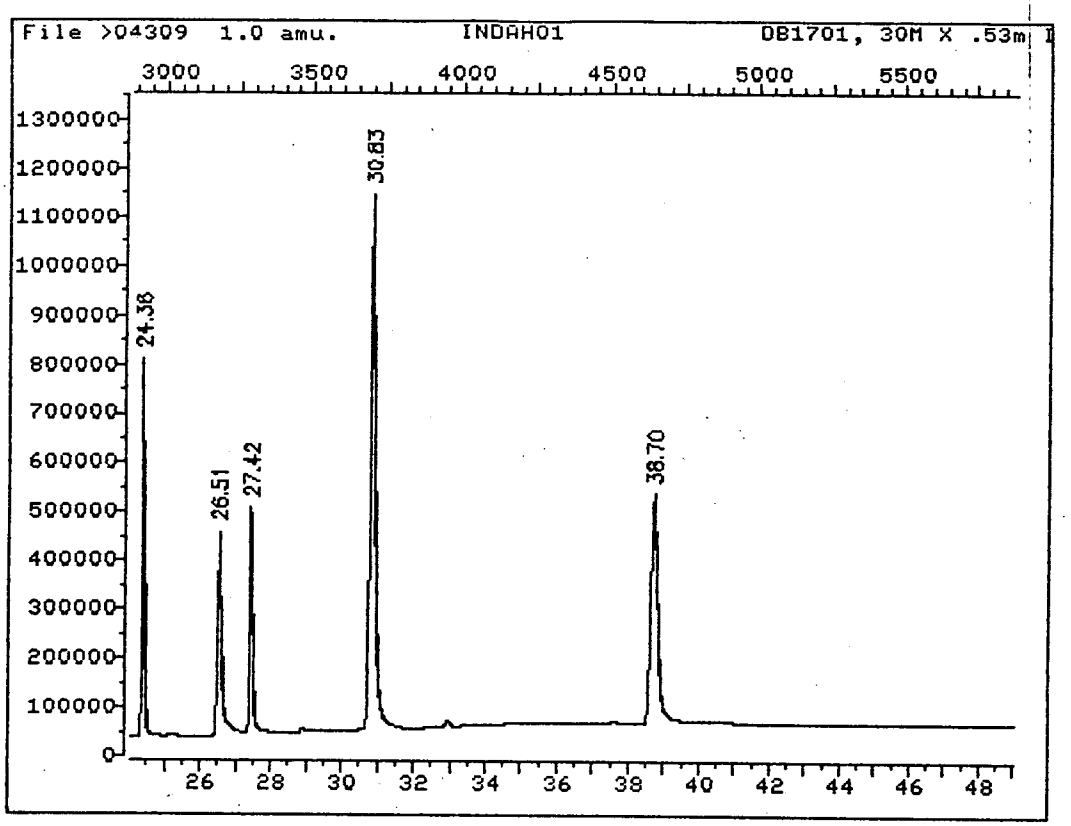

Data File: >04309::G1 Quant Output File: ^04309::GQ
Name: INDAH01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:27
Injected at: 960714 02:33

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03097::F3
Data File: >03097::G3
Name: INDBL01
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960704 15:20
Injected at: 960701 23:16
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960701 19:30

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.005	9.07	1089	663807	5.30	ng/ml	100
3)	#beta-BHC	0.005	14.79	1775	455150	5.55	ng/ml	100
4)	#delta-BHC	0.005	16.49	1979	521599	4.31	ng/ml	100
7)	#Aldrin	0.005	17.36	2083	719517	5.34	ng/ml	100
8)	#Heptachlor epoxide	0.005	20.03	2403	554726	5.05	ng/ml	100
11)	#4,4'-DDE	0.010	22.83	2739	790063	8.64	ng/ml	100
13)	#Endosulfan II	0.010	25.81	3097	926903	9.62	ng/ml	100
15)	#Endosulfan Sulfate	0.010	28.32	3398	1077148	12.15	ng/ml	100
18)	#Endrin ketone	0.010	32.77	3932	807450	8.97	ng/ml	100
19)	#Decachlorobiphenyl	0.010	41.68	5001	1340498	11.24	ng/ml	100
20)	#alpha-Chlordane	0.005	21.52	2582	553692	4.03	ng/ml	100
21)	#gamma-Chlordane	0.005	20.78	2493	577845	4.90	ng/ml	100
30)	#Endrin aldehyde	0.010	27.62	3314	837878	10.62	ng/ml	100

Compound uses ESTD

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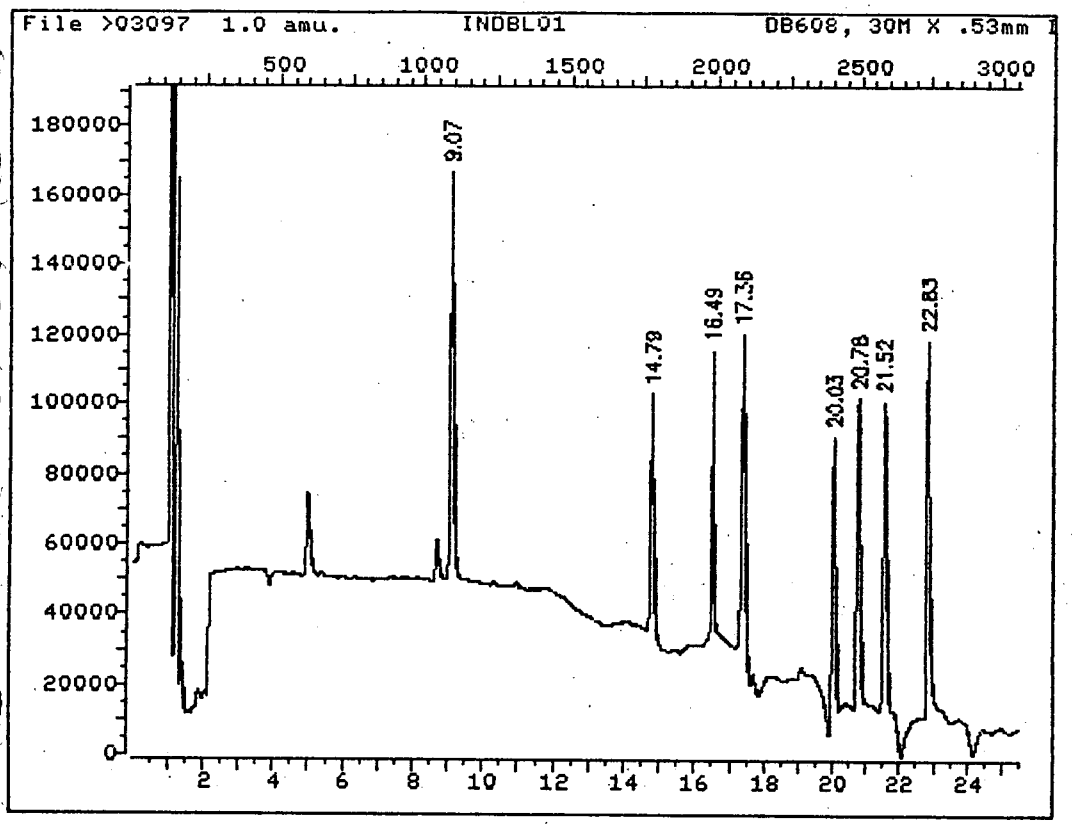

Data File: >03097::G3 Quant Output File: ^03097::F3
Name: INDBL01 Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:20
Injected at: 960701 23:16

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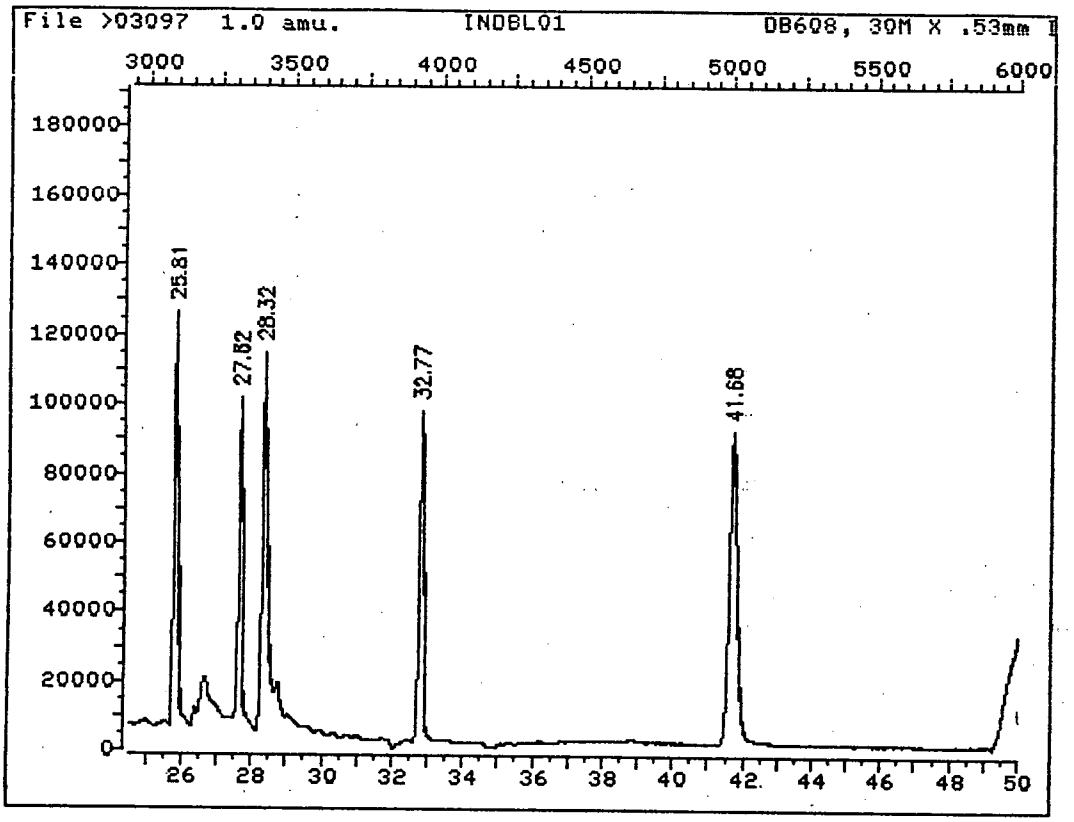

Data File: >03097::G3 Quant Output File: ^03097::F3
Name: INDBL01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:20
Injected at: 960701 23:16

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04097::F3
Data File: >04097::G5
Name: INDBL01
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960702 22:04
Injected at: 960701 23:16
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.005	9.31	1117	214739	5.19	ng/ml	100
3)	#beta-BHC	0.005	18.63	2236	159996	6.09	ng/ml	100
4)	#delta-BHC	0.005	19.70	2364	94150	3.86	ng/ml	100
7)	#Aldrin	0.005	17.57	2108	175630	4.66	ng/ml	100
8)	#Heptachlor epoxide	0.005	20.54	2465	217042	4.97	ng/ml	100
11)	#4,4'-DDE	0.010	22.77	2732	263881	9.51	ng/ml	100
13)	#Endosulfan II	0.010	26.75	3210	381643	10.66	ng/ml	100
15)	#Endosulfan Sulfate	0.010	30.61	3673	235354	8.90	ng/ml	100
18)	#Endrin ketone	0.010	32.94	3953	249110	8.85	ng/ml	100
19)	#Decachlorobiphenyl	0.010	38.72	4646	502321	10.76	ng/ml	100
20)	#alpha-Chlordane	0.005	22.24	2669	191509	4.59	ng/ml	100
21)	#gamma-Chlordane	0.005	21.98	2638	190945	4.78	ng/ml	100
30)	#Endrin aldehyde	0.010	28.86	3463	259379	8.54	ng/ml	100

Compound uses ESTD

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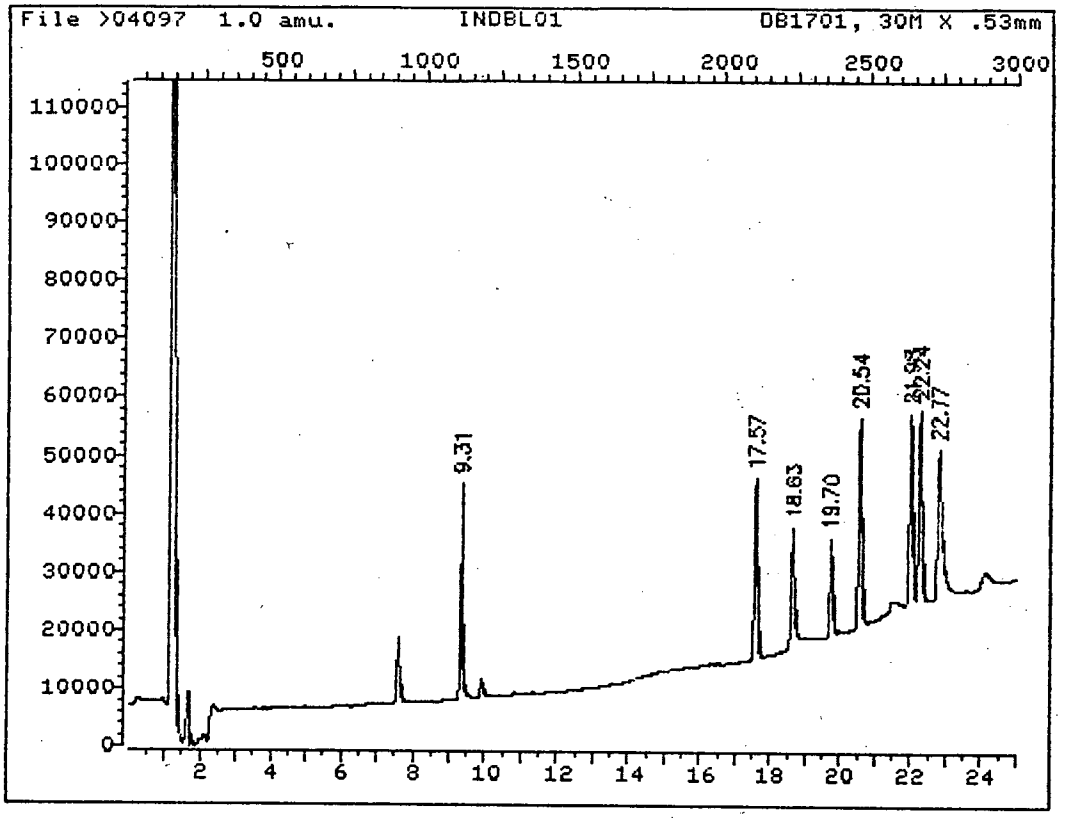
7/10/96



Data File: >04097::G5 Quant Output File: ^04097::F3
Name: INDBL01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:04
Injected at: 960701 23:16

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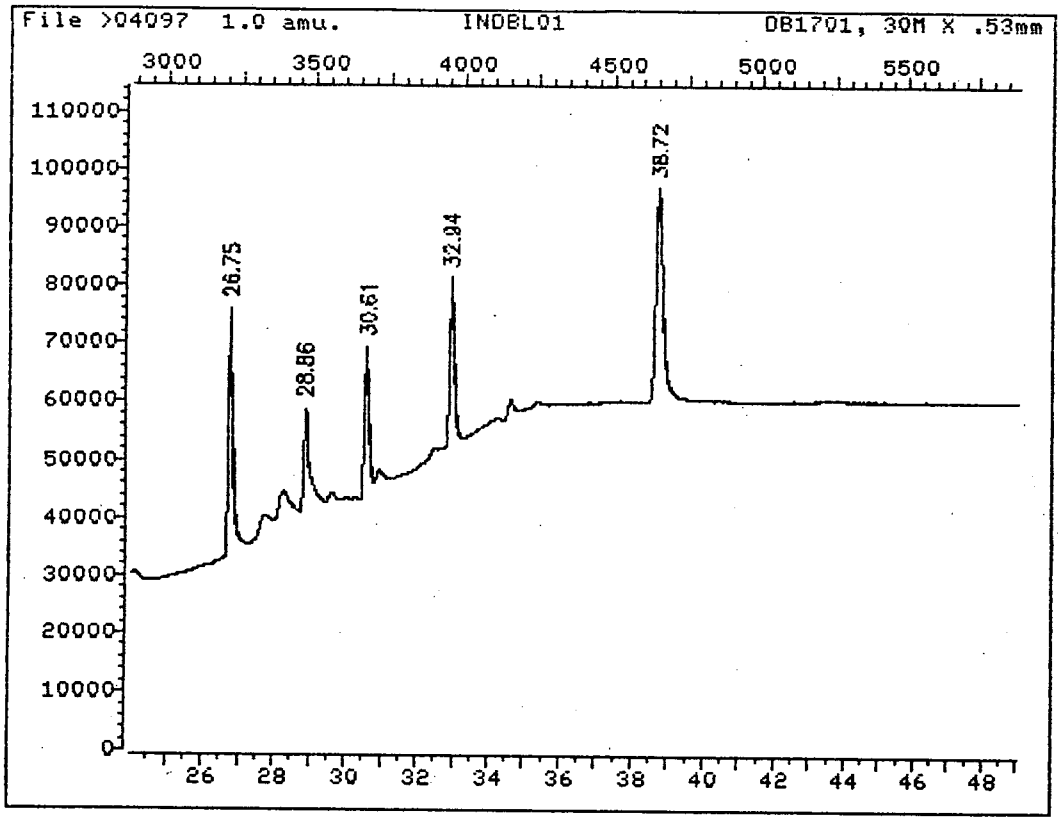

Data File: >04097::G5 Quant Output File: ^04097::F3
Name: INDBL01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:04
Injected at: 960701 23:16

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03099::F3
Data File: >03099::G3
Name: INDBM01
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960704 15:22
Injected at: 960702 01:09
Dilution Factor: 1.00000
Instrument ID: GC03

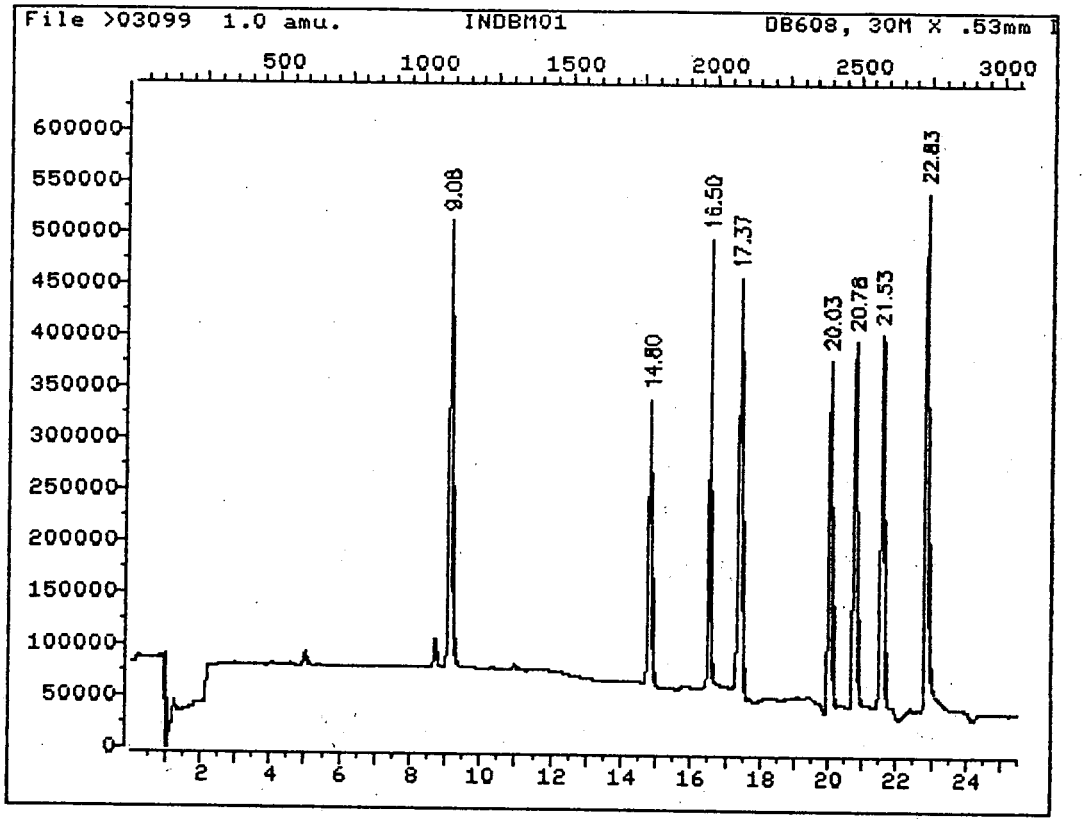
ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07

Last Qcal Time: 960701 19:30

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2478569	19.81	ng/ml	100
3)	#beta-BHC	0.020	14.80	1776	1641629	20.00	ng/ml	100
4)	#delta-BHC	0.020	16.50	1980	2417660	20.00	ng/ml	100
7)	#Aldrin	0.020	17.37	2084	2695028	20.00	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.03	2404	2196866	20.00	ng/ml	100
11)	#4,4'-DDE	0.040 ~~0.020~~	22.83	2740	3659165	40.01	ng/ml	100
13)	#Endosulfan II	0.040	25.81	3097	3852477	40.00	ng/ml	100
15)	#Endosulfan Sulfate	0.040	28.33	3399	3545364	40.00	ng/ml	100
18)	#Endrin ketone	0.040	32.78	3933	3601385	40.00	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.68	5002	4787890	40.14	ng/ml	100
20)	#alpha-Chlordane	0.020	21.53	2583	2746479	20.00	ng/ml	100
21)	#gamma-Chlordane	0.020	20.78	2494	2356816	20.00	ng/ml	100
30)	#Endrin aldehyde	0.040	27.62	3314	3155127	40.00	ng/ml	100

Compound uses ESTD

EPrice
7/9/96



Data File: >03099::G3 Quant Output File: ^03099::F3
Name: INDBM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:22
Injected at: 960702 01:09

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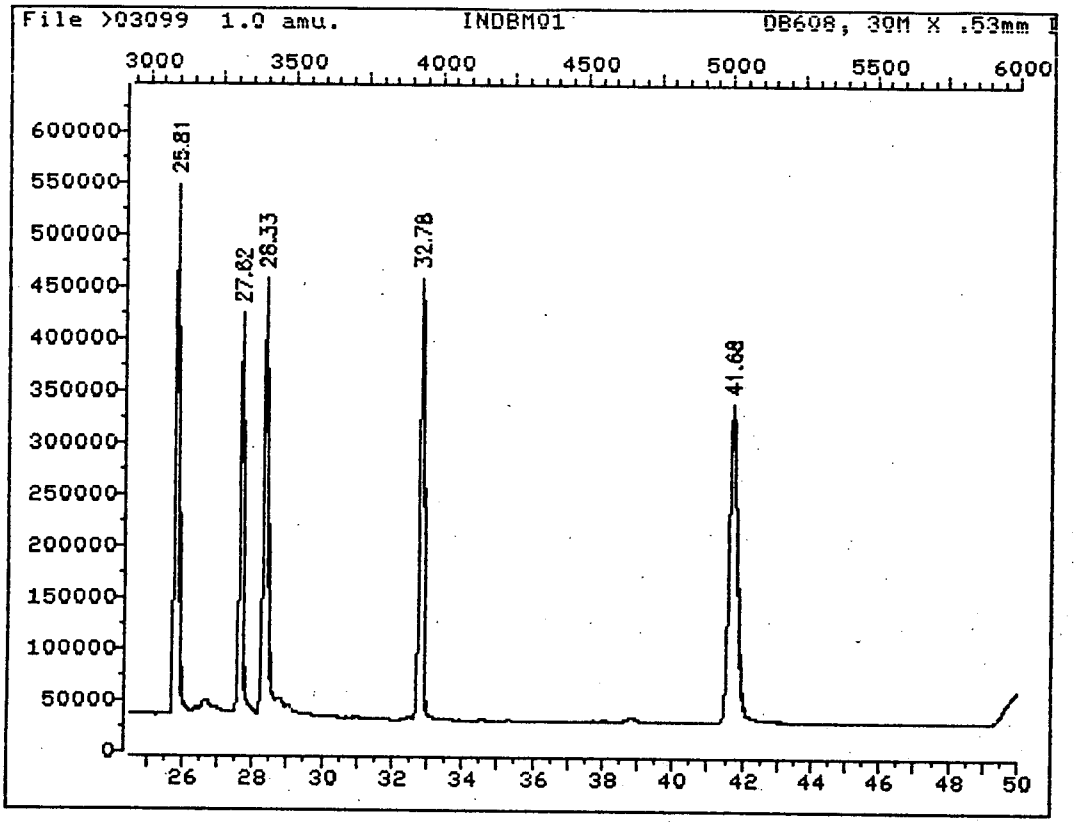

Data File: >03099::G3 Quant Output File: ^03099::F3
Name: INDBM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:22
Injected at: 960702 01:09

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04099::F3
Data File: >04099::G5
Name: INDBM01
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960702 22:06
Injected at: 960702 01:09
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	828305	20.00	ng/ml	100
3)	#beta-BHC	0.020	18.63	2236	525511	20.00	ng/ml	100
4)	#delta-BHC	0.020	19.71	2365	487440	20.00	ng/ml	100
7)	#Aldrin	0.020	17.58	2109	753212	20.00	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.55	2466	873389	20.00	ng/ml	100
11)	#4,4'-DDE	0.040	22.77	2732	1110389	40.00	ng/ml	100
13)	#Endosulfan II	0.040	26.75	3210	1431609	40.00	ng/ml	100
15)	#Endosulfan Sulfate	0.040	30.61	3673	1058271	40.00	ng/ml	100
18)	#Endrin ketone	0.040	32.94	3953	1126314	40.00	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.72	4646	1878491	40.23	ng/ml	100
20)	#alpha-Chlordane	0.020	22.24	2669	834085	20.00	ng/ml	100
21)	#gamma-Chlordane	0.020	21.99	2639	799259	20.00	ng/ml	100
30)	#Endrin aldehyde	0.040	28.87	3464	1215421	40.00	ng/ml	100

Compound uses ESTD

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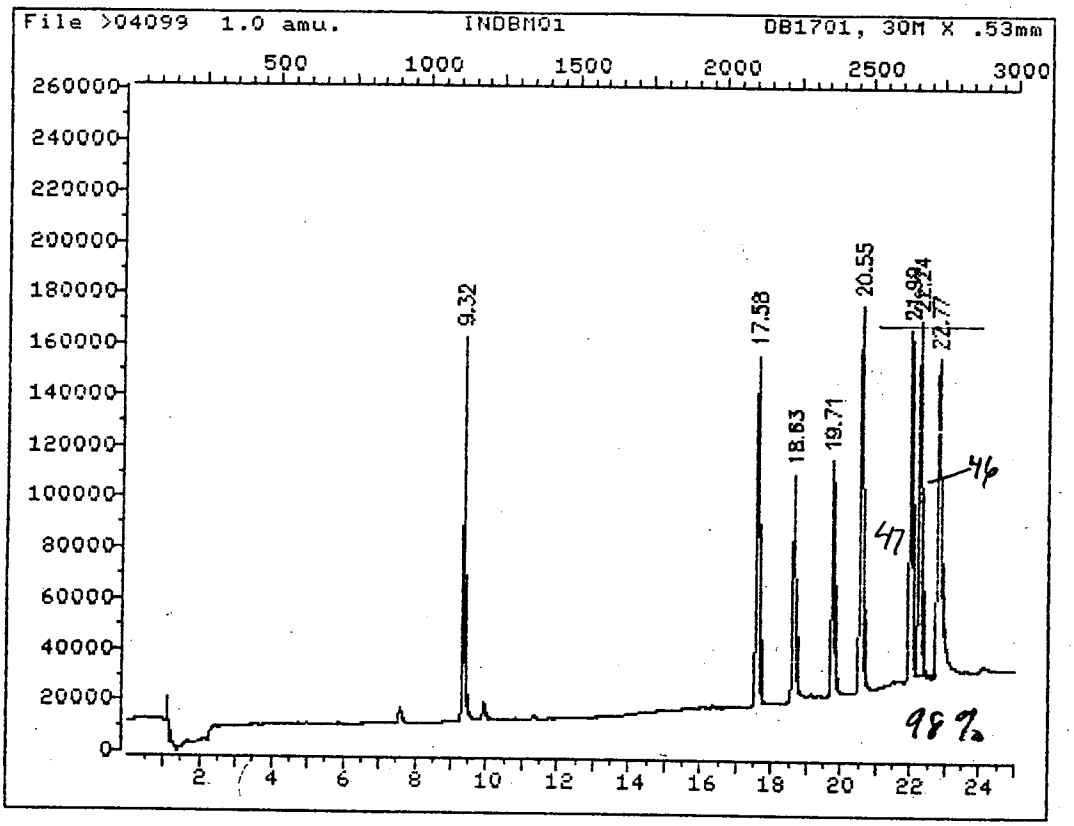
7/10/96



Data File: >04099::G5 Quant Output File: ^04099::F3
Name: INDBM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:06
Injected at: 960702 01:09

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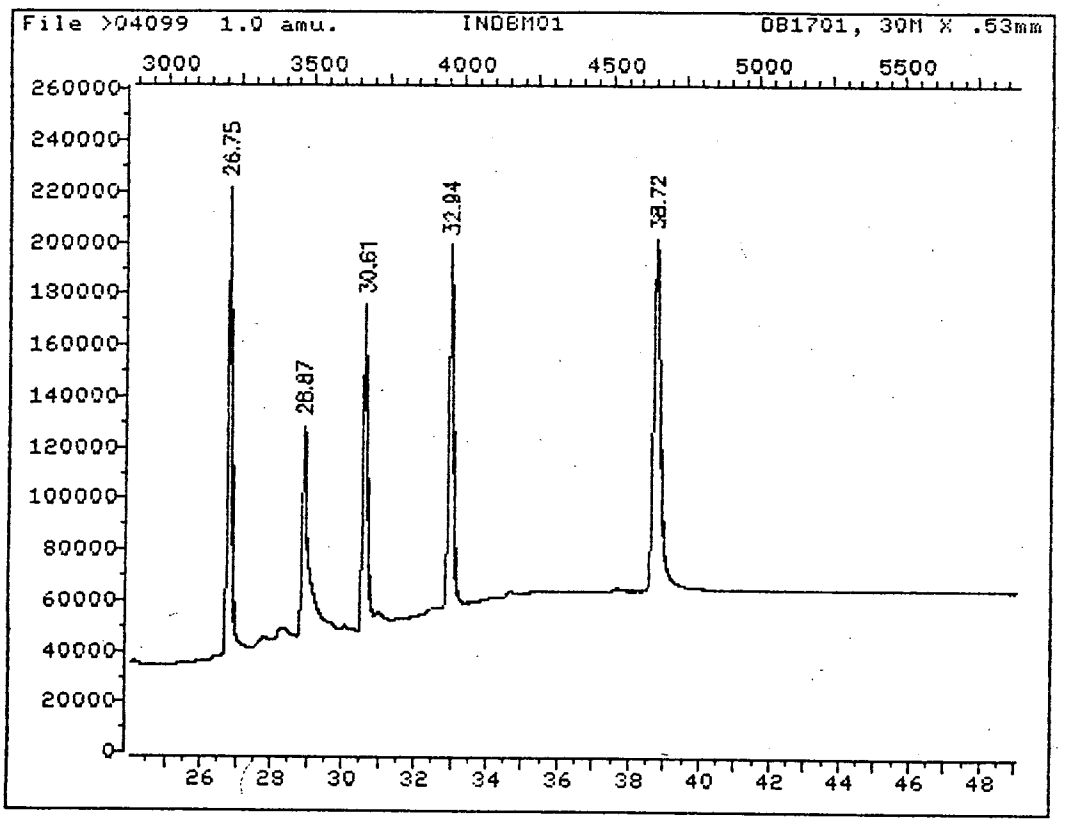

Data File: >04099::G5 Quant Output File: ^04099::F3
Name: INDBM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:06
Injected at: 960702 01:09

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03101::F3
Data File: >03101::G3
Name: INDBH01
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

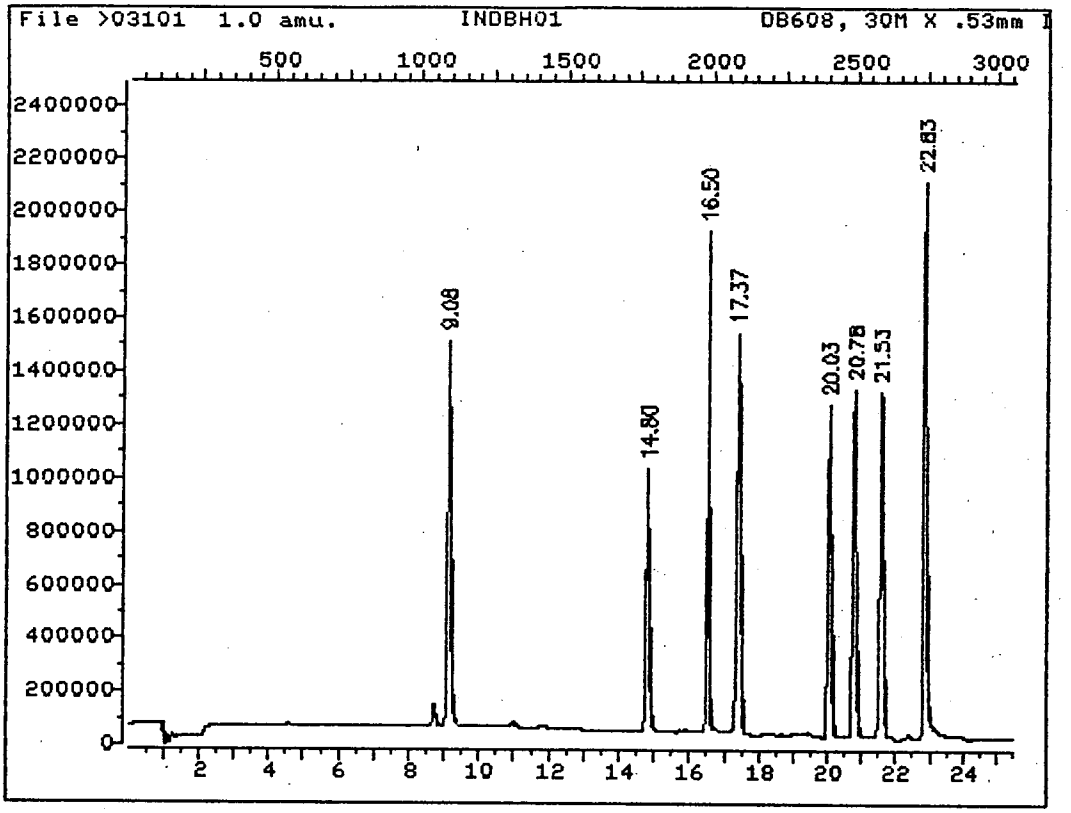
Quant Rev: 7
Quant Time: 960704 15:24
Injected at: 960702 03:03
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960701 19:30

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.080	9.08	1090	8488088	67.83	ng/ml	100
3)	#beta-BHC	0.080	14.80	1776	5639722	68.71	ng/ml	100
4)	#delta-BHC	0.080	16.50	1980	10247194	84.77	ng/ml	100
7)	#Aldrin	0.080	17.37	2084	9938430	73.75	ng/ml	100
8)	#Heptachlor epoxide	0.080	20.03	2404	8122314	73.94	ng/ml	100
11)	#4,4'-DDE	0.160	22.83	2739	14264670	155.97	ng/ml	100
13)	#Endosulfan II	0.160	25.81	3097	13703798	142.29	ng/ml	100
15)	#Endosulfan Sulfate	0.160	28.33	3399	12064850	136.12	ng/ml	100
18)	#Endrin ketone	0.160	32.78	3933	13249010	147.15	ng/ml	100
19)	#Decachlorobiphenyl	0.160	41.68	5002	14702270	123.24	ng/ml	100
20)	#alpha-Chlordane	0.080	21.53	2583	8794210	64.04	ng/ml	100
21)	#gamma-Chlordane	0.080	20.78	2494	8431358	71.55	ng/ml	100
30)	#Endrin aldehyde	0.160	27.62	3314	10939432	138.69	ng/ml	100

Compound uses ESTD

E Ruiz
7/9/96



Data File: >03101::G3 Quant Output File: ^03101::F3
Name: INDBH01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:24
Injected at: 960702 03:03

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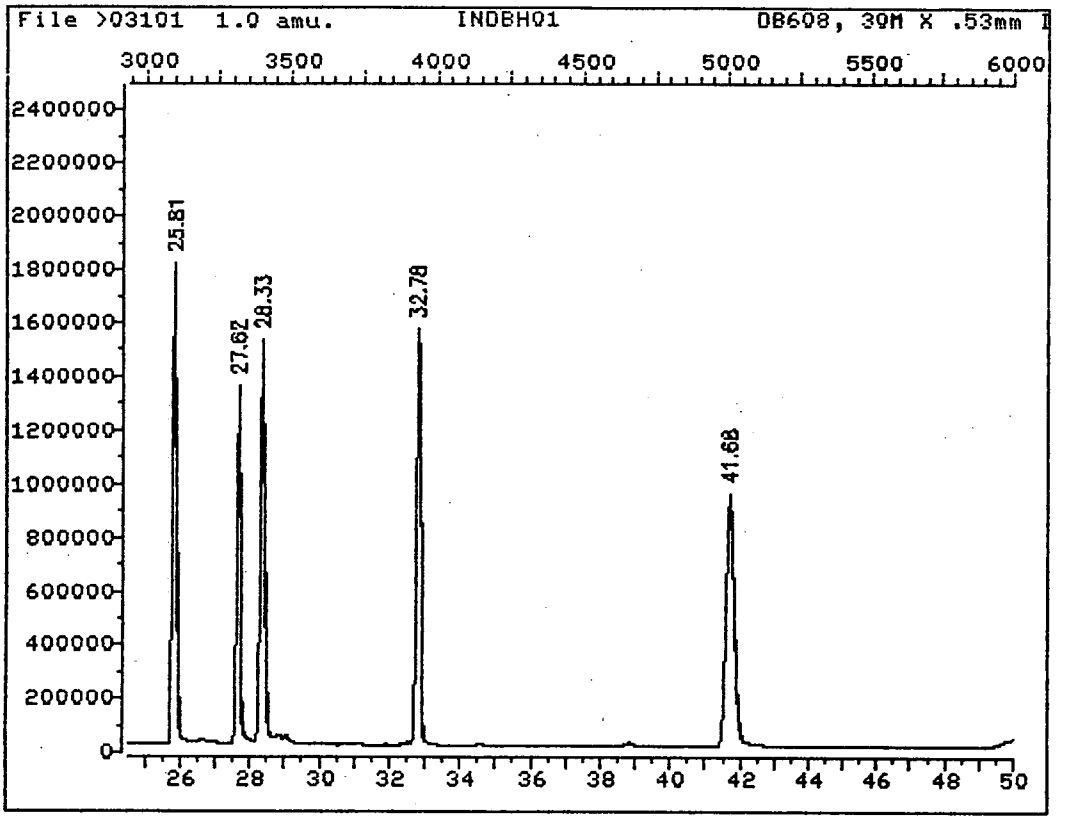

Data File: >03101::G3 Quant Output File: ^03101::F3
Name: INDBH01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:24
Injected at: 960702 03:03

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QUANT REPORT

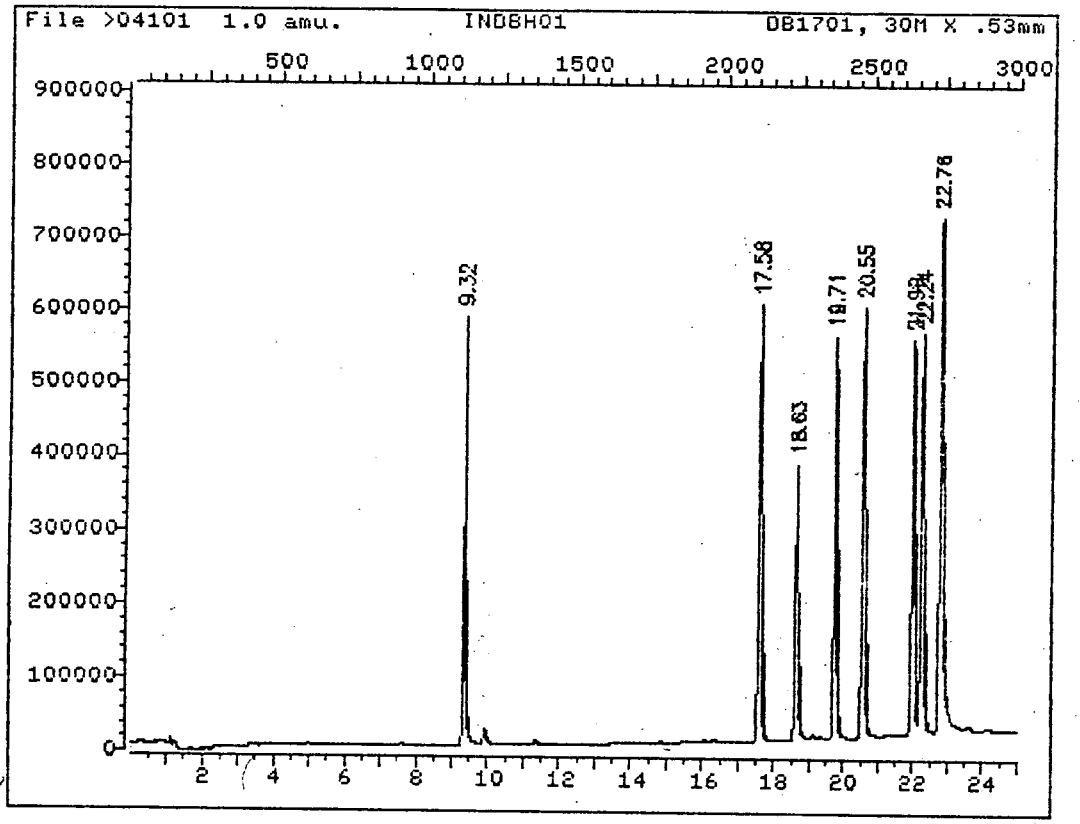
Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960702 22:08
Output File: ^04101::F3
Injected at: 960702 03:03
Data File: >04101::G5
Dilution Factor: 1.00000
Name: INDBH01
Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.080	9.32	1118	3126685	75.50	ng/ml	100
3)	#beta-BHC	0.080	18.63	2236	1967079	74.86	ng/ml	100
4)	#delta-BHC	0.080	19.71	2365	2631699	107.98	ng/ml	100
7)	#Aldrin	0.080	17.58	2109	3183800	84.54	ng/ml	100
8)	#Heptachlor epoxide	0.080	20.55	2466	3287481	75.28	ng/ml	100
11)	#4,4'-DDE	0.160	22.76	2731	4864399	175.23	ng/ml	100
13)	#Endosulfan II	0.160	26.74	3209	5286350	147.70	ng/ml	100
15)	#Endosulfan Sulfate	0.160	30.60	3672	4288517	162.10	ng/ml	100
18)	#Endrin ketone	0.160	32.94	3953	4826871	171.42	ng/ml	100
19)	#Decachlorobiphenyl	0.160	38.71	4645	6123523	131.13	ng/ml	100
20)	#alpha-Chlordane	0.080	22.24	2669	3150562	75.55	ng/ml	100
21)	#gamma-Chlordane	0.080	21.99	2639	3044363	76.18	ng/ml	100
30)	#Endrin aldehyde	0.160	28.87	3464	4564840	150.23	ng/ml	100

Compound uses ESTD

EPmi
7/10/96



Data File: >04101::G5 Quant Output File: ^04101::F3
Name: INDBH01 Instrument ID: GC04
Misc: DB1701. 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:08
Injected at: 960702 03:03

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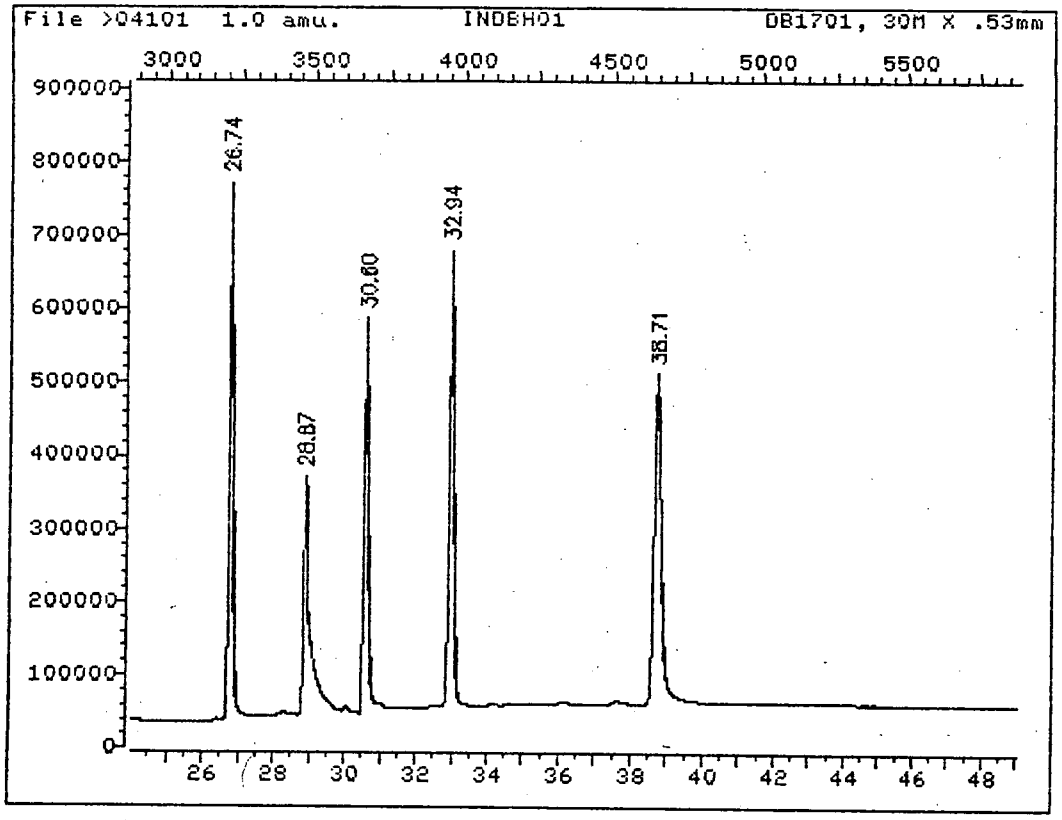

Data File: >04101::G5 Quant Output File: ^04101::F3
Name: INDBH01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:08
Injected at: 960702 03:03

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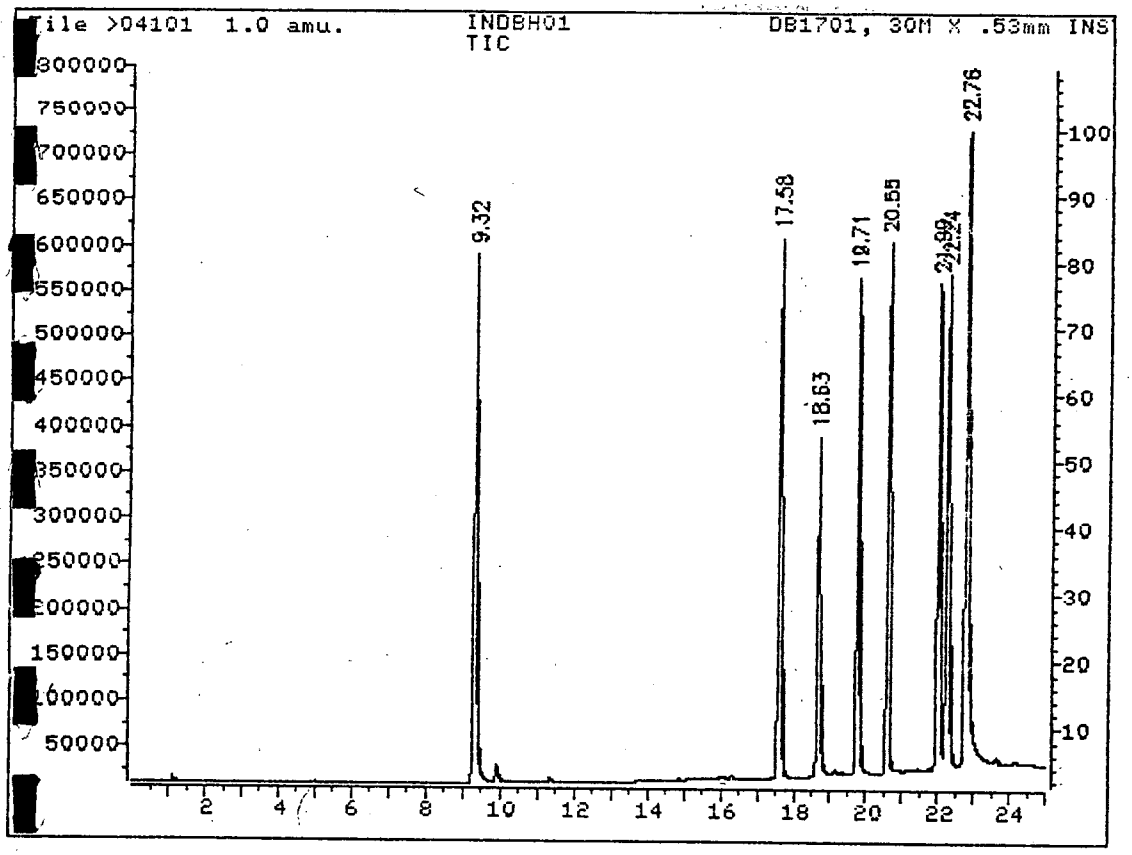
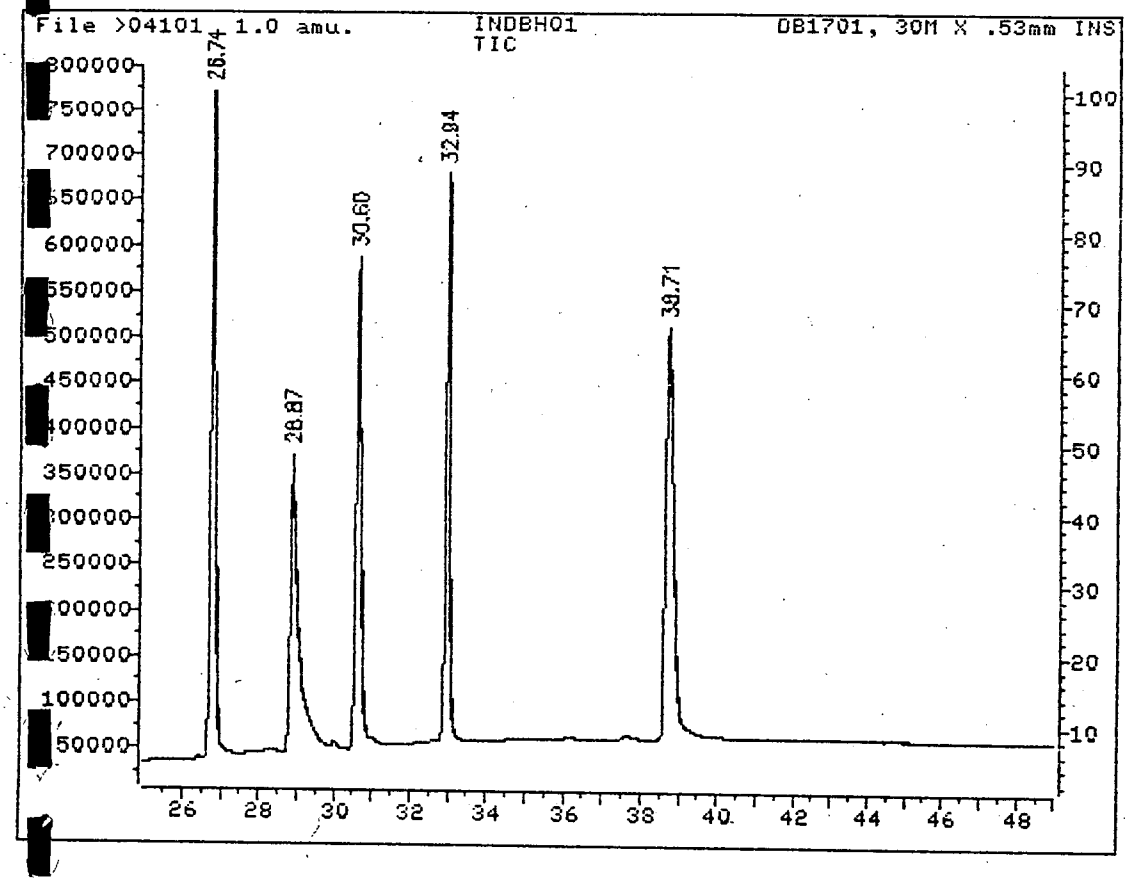


MS data file header from : >04101::G5

Sample: INDBH01 Operator: TRFIL 7/02/96 3:03
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >04101::G5

Sample: INDBH01 Operator: TRFIL 7/02/96 3:03
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

Operator ID: TRFI2
Output File: ^03306::GQ
Data File: >03306::F3
Name: INDBL01A
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

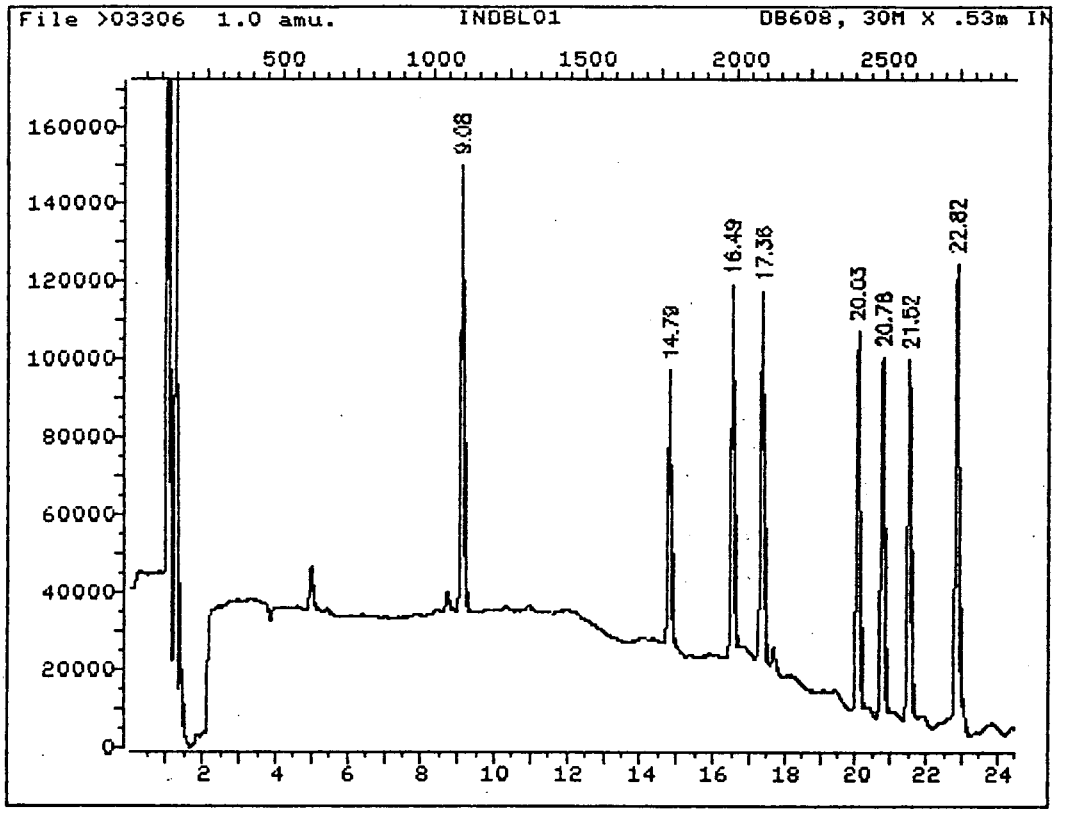
Quant Rev: 7
Quant Time: 960719 14:06
Injected at: 960713 23:50
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.005	9.08	1090	631866	5.28	ng/ml	100
3)	#beta-BHC	0.005	14.79	1775	437164	5.34	ng/ml	100
4)	#delta-BHC	0.005	16.49	1979	537266	4.18	ng/ml	100
7)	#Aldrin	0.005	17.36	2083	637167	4.77	ng/ml	100
8)	#Heptachlor epoxide	0.005	20.03	2403	604363	4.84	ng/ml	100
11)	#4,4'-DDE	0.010	22.82	2738	891206	9.65	ng/ml	100
13)	#Endosulfan II	0.010	25.80	3096	944866	9.55	ng/ml	100
15)	#Endosulfan Sulfate	0.010	28.31	3397	902240	10.26	ng/ml	100
18)	#Endrin ketone	0.010	32.76	3931	859224	9.27	ng/ml	100
19)	#Decachlorobiphenyl	0.010	41.66	4999	1251304	10.82	ng/ml	100
20)	#alpha-Chlordane	0.005	21.52	2582	586285	4.87	ng/ml	100
21)	#gamma-Chlordane	0.005	20.78	2493	598639	4.95	ng/ml	100
30)	#Endrin aldehyde	0.010	27.61	3313	834497	10.32	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >03306::F3 Quant Output File: ^03306::GQ
Name: INDBL01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:06
Injected at: 960713 23:50

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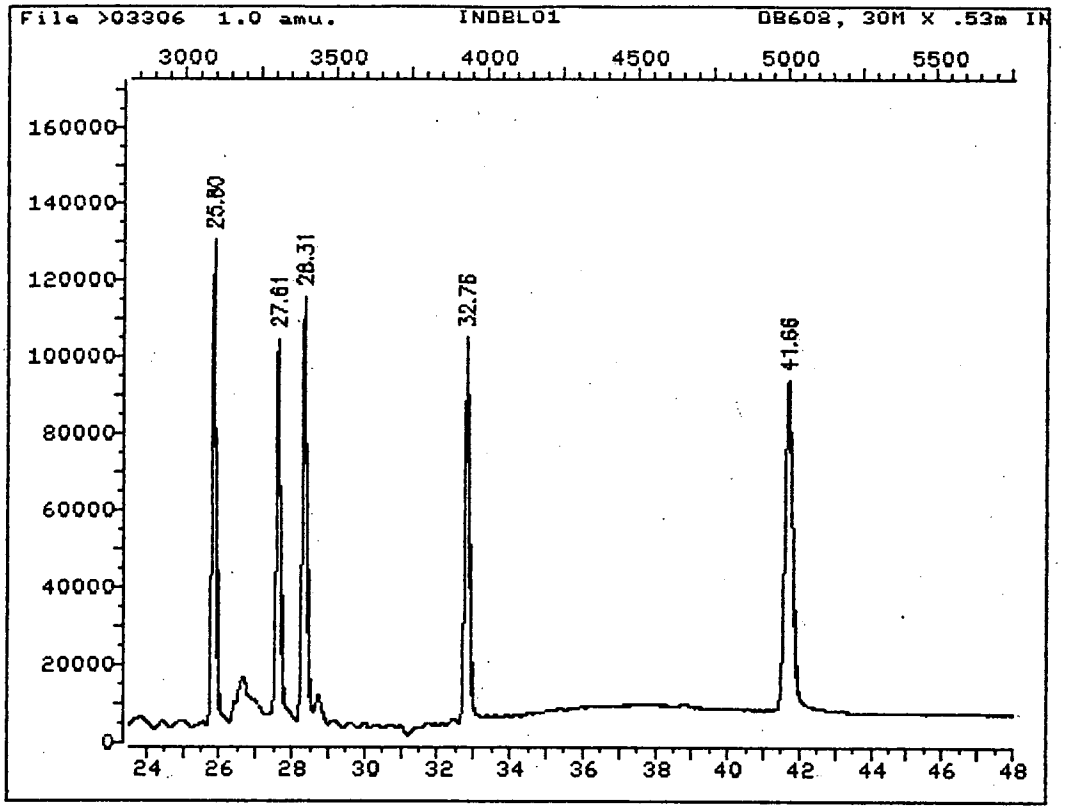

Data File: >03306::F3 Quant Output File: ^03306::GQ
Name: INDBL01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:06
Injected at: 960713 23:50

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QUANT REPORT

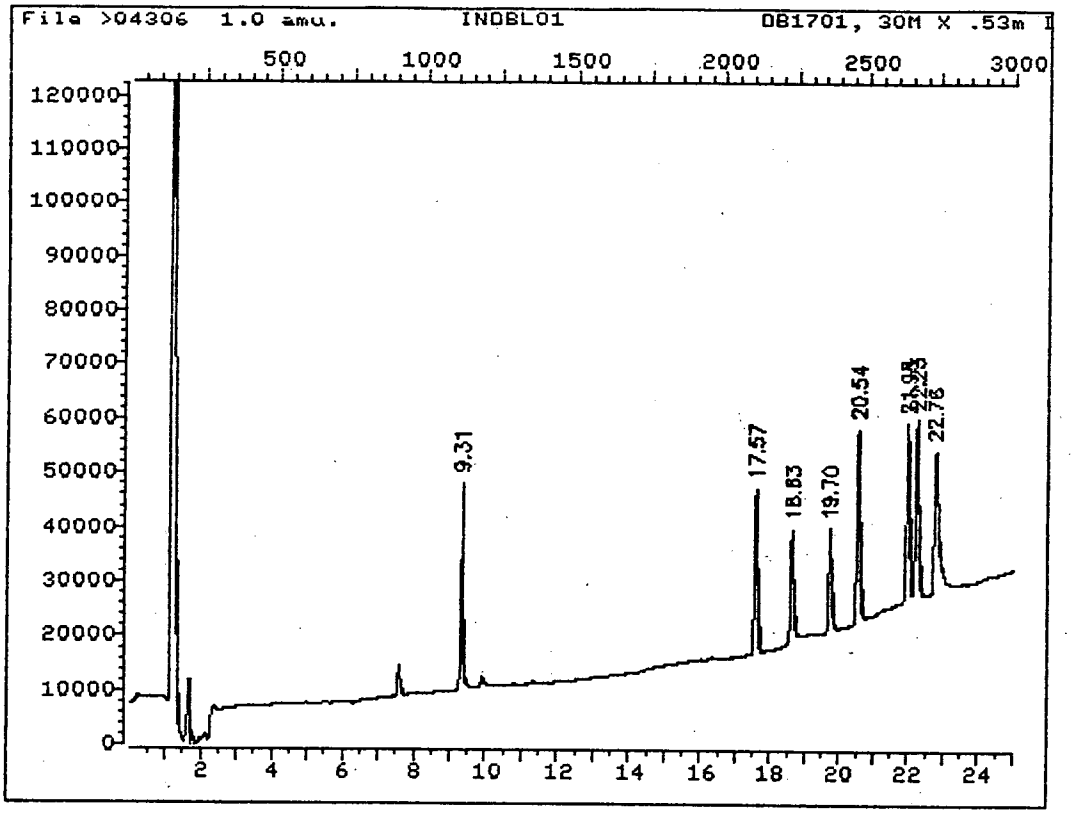
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:24
Output File: ^04306::GQ Injected at: 960713 23:50
Data File: >04306::G1 Dilution Factor: 1.00000
Name: INDBL01A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.005	9.31	1117	217288	5.31	ng/ml	100
3)	#beta-BHC	0.005	18.63	2235	133512	5.32	ng/ml	100
4)	#delta-BHC	0.005	19.70	2364	108311	4.13	ng/ml	100
7)	#Aldrin	0.005	17.57	2108	173543	4.63	ng/ml	100
8)	#Heptachlor epoxide	0.005	20.54	2465	226603	5.25	ng/ml	100
11)	#4,4'-DDE	0.010	22.76	2731	273667	9.66	ng/ml	100
13)	#Endosulfan II	0.010	26.74	3209	299305	8.74	ng/ml	100
15)	#Endosulfan Sulfate	0.010	30.59	3671	240769	8.78	ng/ml	100
18)	#Endrin ketone	0.010	32.94	3952	371389	11.71	ng/ml	100
19)	#Decachlorobiphenyl	0.010	38.71	4645	484061	10.56	ng/ml	100
20)	#alpha-Chlordane	0.005	22.23	2668	195384	4.69	ng/ml	100
21)	#gamma-Chlordane	0.005	21.98	2638	193309	4.82	ng/ml	100
30)	#Endrin aldehyde	0.010	28.86	3463	329965	10.26	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >04306::G1 Quant Output File: ^04306::GQ
Name: INDBL01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:24
Injected at: 960713 23:50

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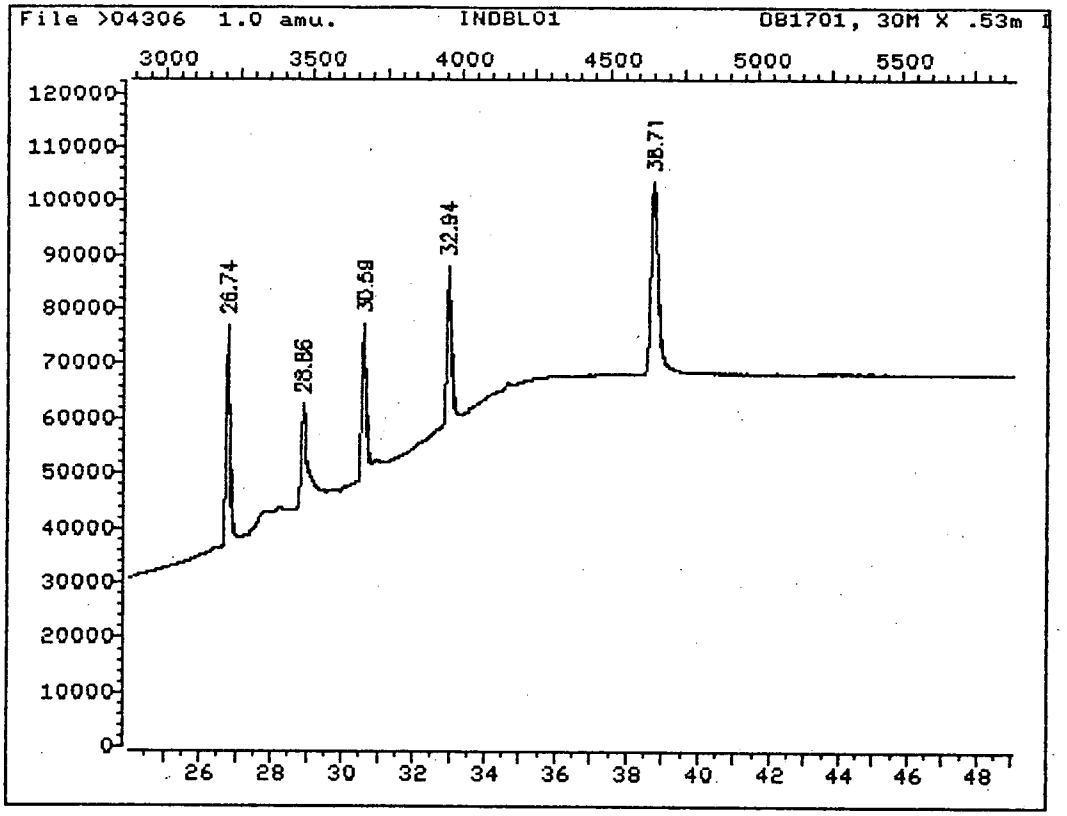

Data File: >04306::G1 Quant Output File: ^04306::GQ
Name: INDBL01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:24
Injected at: 960713 23:50

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QUANT REPORT

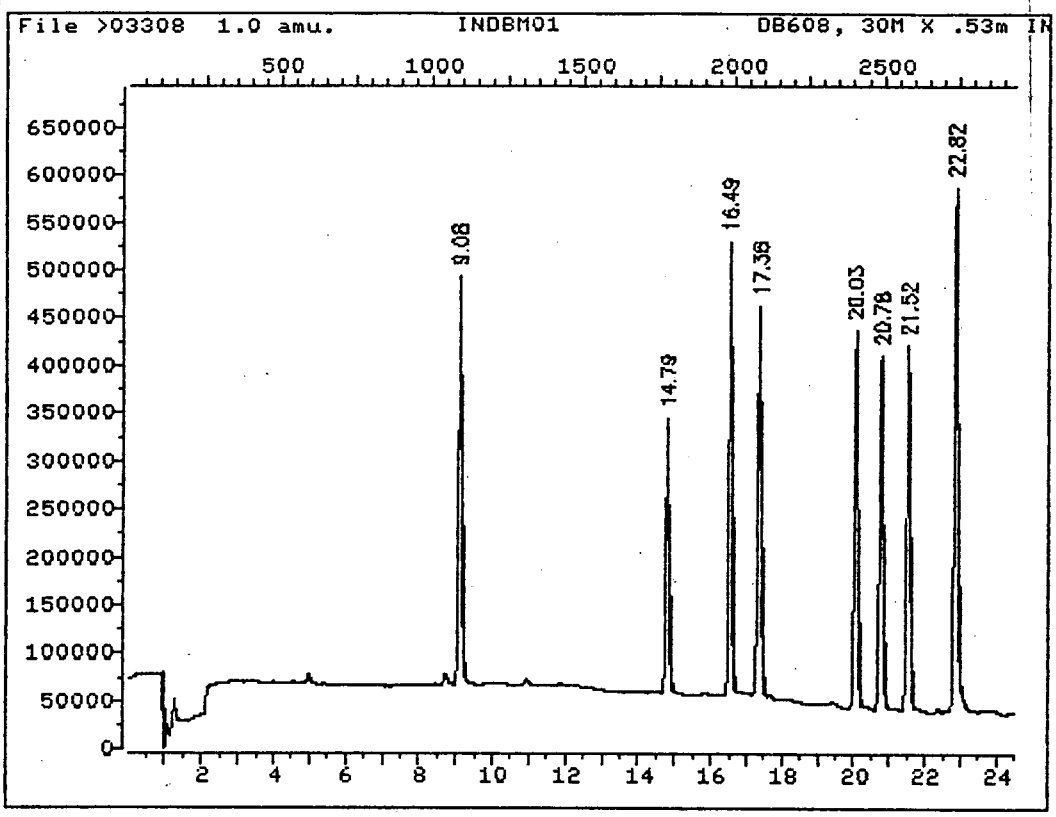
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:09
Output File: ^03308::GQ Injected at: 960714 01:39
Data File: >03308::F3 Dilution Factor: 1.00000
Name: INDBM01A Instrument ID: GC03
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2394607	20.02	ng/ml	100
3)	#beta-BHC	0.020	14.79	1775	1635921	20.00	ng/ml	100
4)	#delta-BHC	0.020	16.49	1979	2572240	20.00	ng/ml	100
7)	#Aldrin	0.020	17.36	2083	2670313	20.00	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.03	2403	2496892	20.00	ng/ml	100
11)	#4,4'-DDE	0.040	22.82	2738	3693567	40.00	ng/ml	100
13)	#Endosulfan II	0.040	25.80	3096	3958235	40.00	ng/ml	100
15)	#Endosulfan Sulfate	0.040	28.31	3397	3517552	40.00	ng/ml	100
18)	#Endrin ketone	0.040	32.76	3931	3709415	40.00	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.66	4999	4637164	40.11	ng/ml	100
20)	#alpha-Chlordane	0.020	21.52	2582	2410080	20.00	ng/ml	100
21)	#gamma-Chlordane	0.020	20.78	2493	2418310	20.00	ng/ml	100
30)	#Endrin aldehyde	0.040	27.61	3313	3235794	40.00	ng/ml	100

Compound uses ESTD

E Prui
7/22/96



Data File: >03308::F3 Quant Output File: ^03308::GQ
Name: INDBM01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:09
Injected at: 960714 01:39

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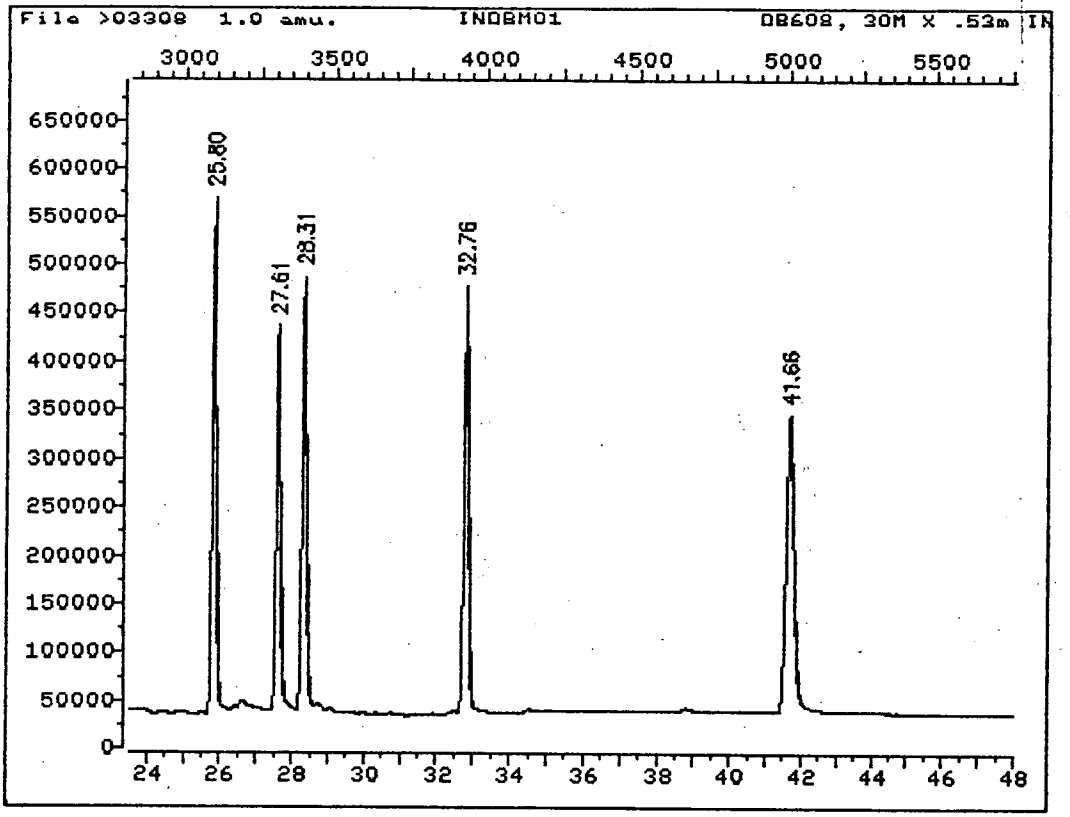

Data File: >03308::F3 Quant Output File: ^03308::GQ
Name: INDBM01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:09
Injected at: 960714 01:39

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:26
Output File: ^04308::GQ Injected at: 960714 01:39
Data File: >04308::G1 Dilution Factor: 1.00000
Name: INDBM01 Instrument ID: GC04
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	828791	20.26	ng/ml	100
3)	#beta-BHC	0.020	18.63	2235	501884	20.00	ng/ml	100
4)	#delta-BHC	0.020	19.70	2364	524544	20.00	ng/ml	100
7)	#Aldrin	0.020	17.58	2109	748904	20.00	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.54	2465	863765	20.00	ng/ml	100
11)	#4,4'-DDE	0.040	22.76	2731	1131253	39.95	ng/ml	100
13)	#Endosulfan II	0.040	26.74	3208	1369407	40.00	ng/ml	100
15)	#Endosulfan Sulfate	0.040	30.59	3670	1097507	40.00	ng/ml	100
18)	#Endrin ketone	0.040	32.93	3951	1268794	40.00	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.71	4645	1854296	40.43	ng/ml	100
20)	#alpha-Chlordane	0.020	22.24	2669	833262	20.00	ng/ml	100
21)	#gamma-Chlordane	0.020	21.98	2638	801383	20.00	ng/ml	100
30)	#Endrin aldehyde	0.040	28.85	3462	1279675	39.80	ng/ml	100

Compound uses ESTD

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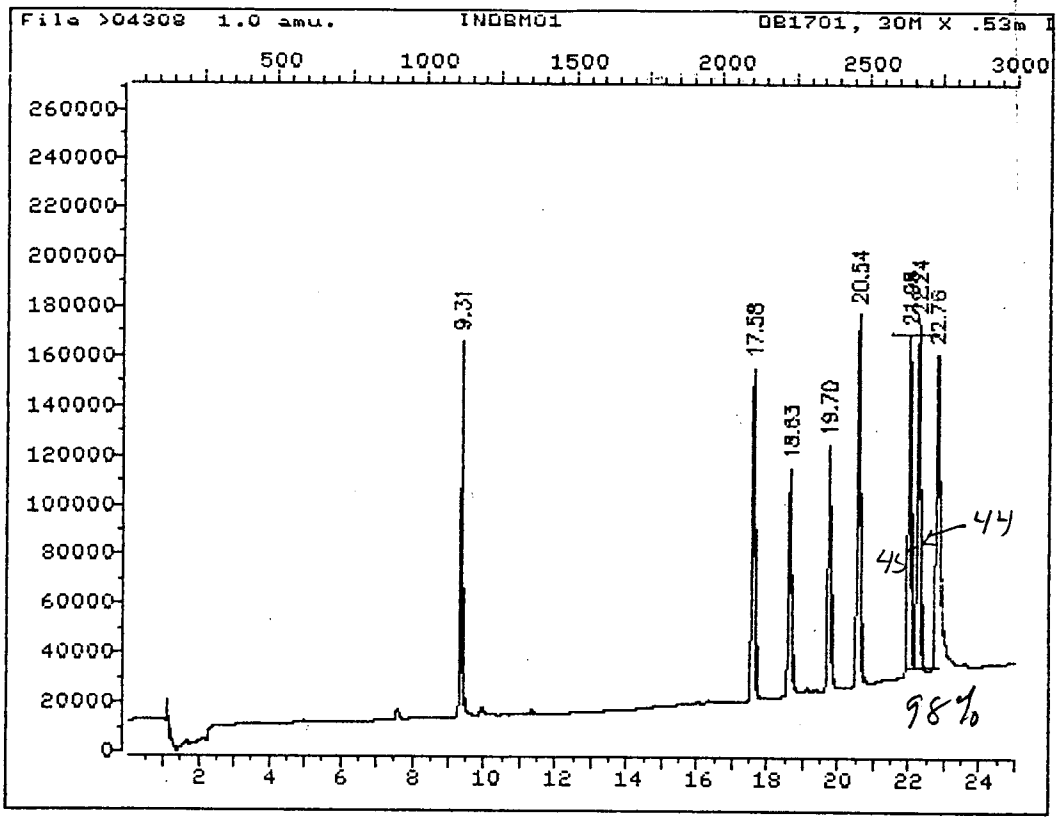
7/22/94



Data File: >04308::G1 Quant Output File: ^04308::GQ
Name: INDBM01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:26
Injected at: 960714 01:39

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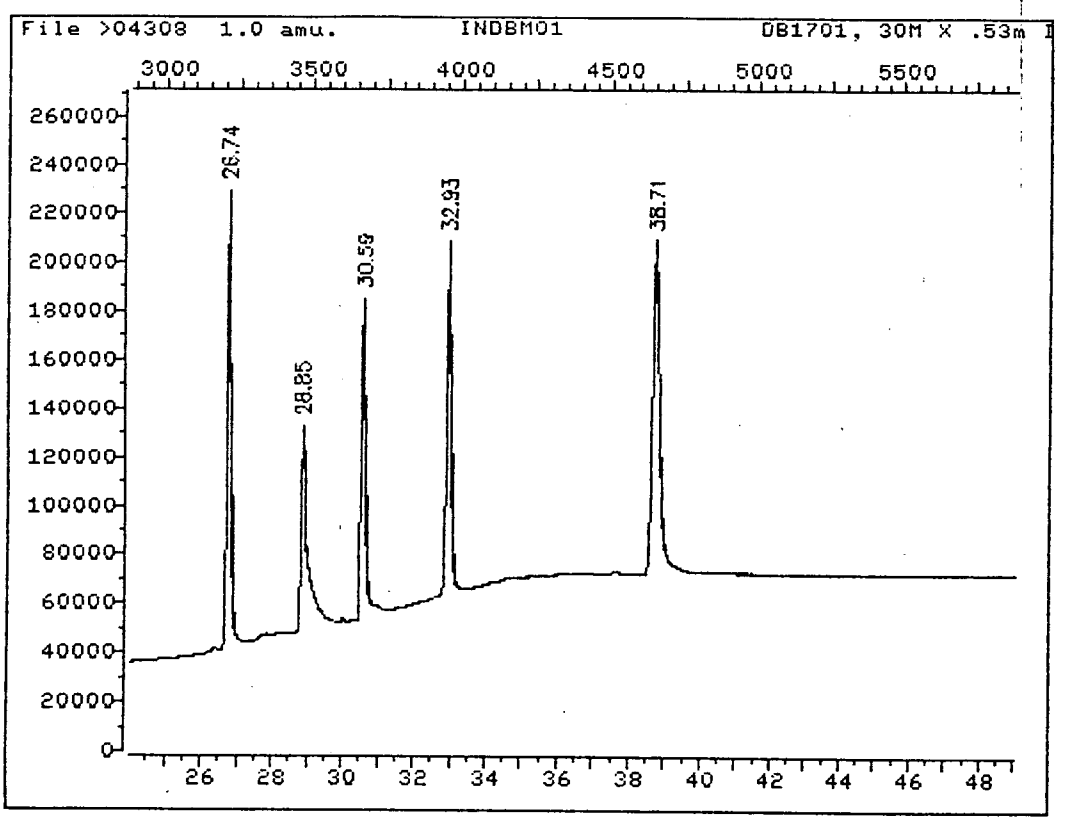

Data File: >04308::G1 Quant Output File: ^04308::GQ
Name: INDBM01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:26
Injected at: 960714 01:39

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QUANT REPORT

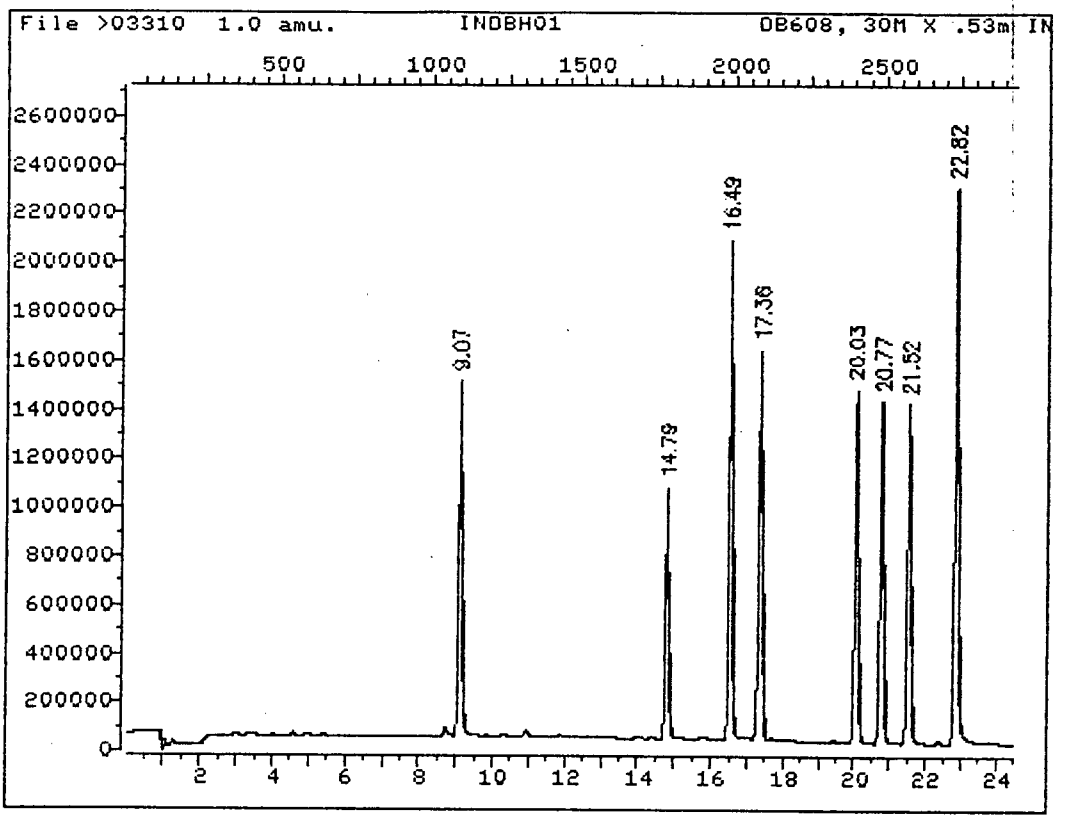
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:11
Output File: ^03310::GQ Injected at: 960714 03:28
Data File: >03310::F3 Dilution Factor: 1.00000
Name: INDBH01A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.080	9.07	1089	8399502	70.21	ng/ml	100
3)	#beta-BHC	0.080	14.79	1775	5929218	72.49	ng/ml	100
4)	#delta-BHC	0.080	16.49	1979	11219696	87.24	ng/ml	100
7)	#Aldrin	0.080	17.36	2083	10473286	78.44	ng/ml	100
8)	#Heptachlor epoxide	0.080	20.03	2403	9327234	74.71	ng/ml	100
11)	#4,4'-DDE	0.160	22.82	2738	15182104	164.42	ng/ml	100
13)	#Endosulfan II	0.160	25.80	3096	14573768	147.28	ng/ml	100
15)	#Endosulfan Sulfate	0.160	28.30	3396	12887676	146.55	ng/ml	100
18)	#Endrin ketone	0.160	32.76	3931	14203294	153.16	ng/ml	100
19)	#Decachlorobiphenyl	0.160	41.65	4998	15001490	129.75	ng/ml	100
20)	#alpha-Chlordane	0.080	21.52	2582	9017222	74.83	ng/ml	100
21)	#gamma-Chlordane	0.080	20.77	2492	9075926	75.06	ng/ml	100
30)	#Endrin aldehyde	0.160	27.60	3312	11605426	143.46	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >03310::F3 Quant Output File: ^03310::GQ
Name: INDBH01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:11
Injected at: 960714 03:28

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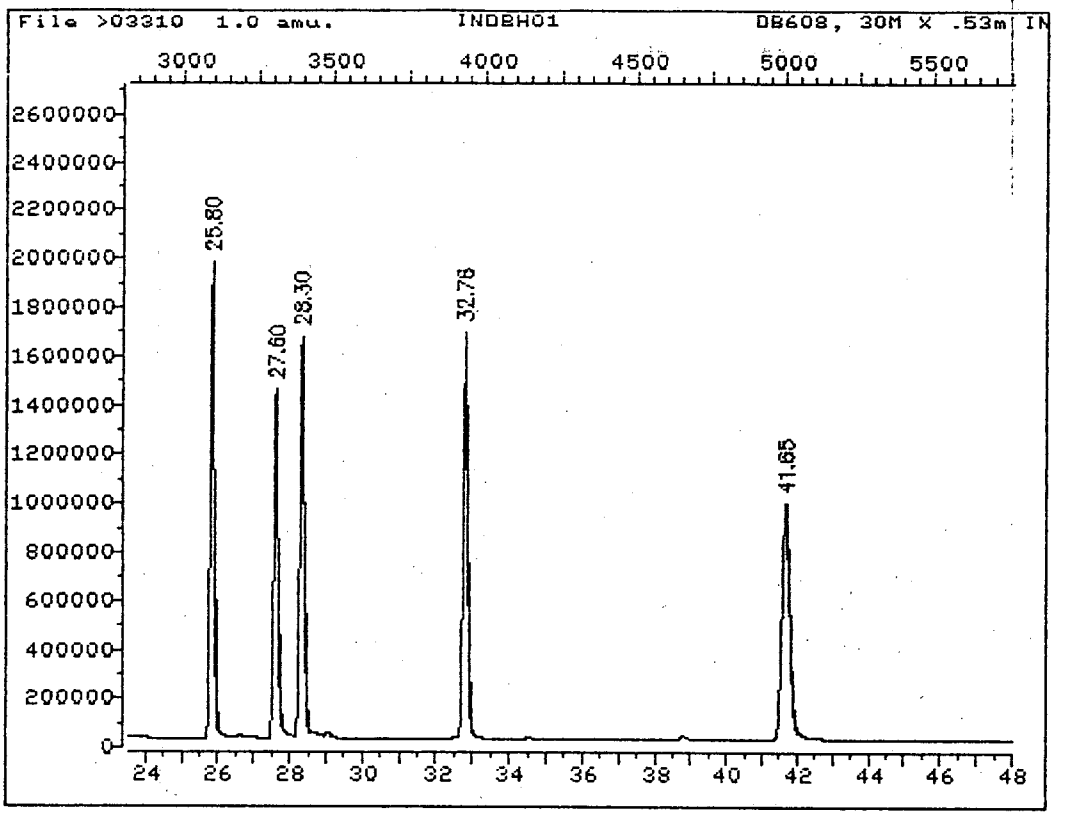

Data File: >03310::F3 Quant Output File: ^03310::GQ
Name: INDBH01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:11
Injected at: 960714 03:28

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:28
Output File: ^04310::GQ Injected at: 960714 03:28
Data File: >04310::G1 Dilution Factor: 1.00000
Name: INDAH02A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	0.080	9.31	1117	3159951	77.23	ng/ml	100
3) #beta-BHC	0.080	18.63	2235	2093165	83.41	ng/ml	100
4) #delta-BHC	0.080	19.70	2364	2907993	110.88	ng/ml	100
7) #Aldrin	0.080	17.57	2108	3259188	87.04	ng/ml	100
8) #Heptachlor epoxide	0.080	20.54	2465	3381136	78.29	ng/ml	100
11) #4,4'-DDE	0.160	22.75	2730	5051843	178.40	ng/ml	100
13) #Endosulfan II	0.160	26.74	3208	5616834	164.07	ng/ml	100
15) #Endosulfan Sulfate	0.160	30.59	3670	4535045	165.29	ng/ml	100
18) #Endrin ketone	0.160	32.92	3950	5153581	162.47	ng/ml	100
19) #Decachlorobiphenyl	0.160	38.69	4643	6334345	138.12	ng/ml	100
20) #alpha-Chlordane	0.080	22.23	2668	3260902	78.27	ng/ml	100
21) #gamma-Chlordane	0.080	21.98	2638	3157477	78.80	ng/ml	100
30) #Endrin aldehyde	0.160	28.85	3462	4787241	148.90	ng/ml	100

Compound uses ESTD

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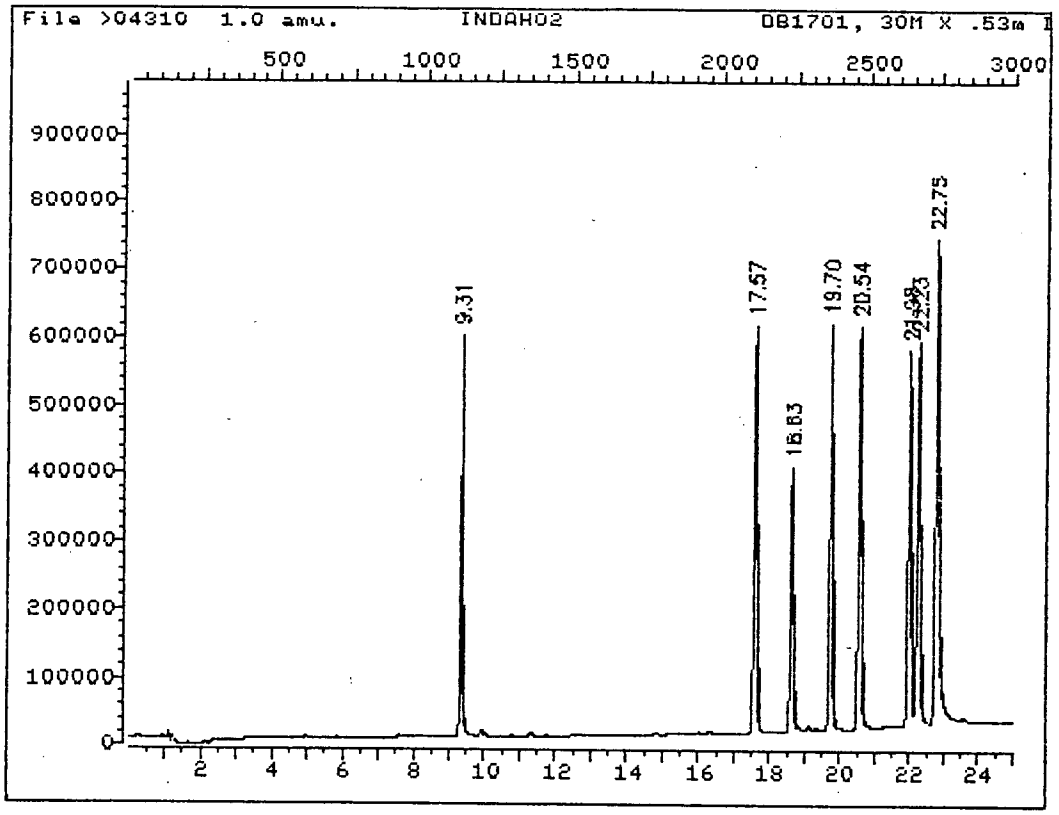

Data File: >04310::G1 Quant Output File: ^04310::GQ
Name: INDAH02 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:28
Injected at: 960714 03:28

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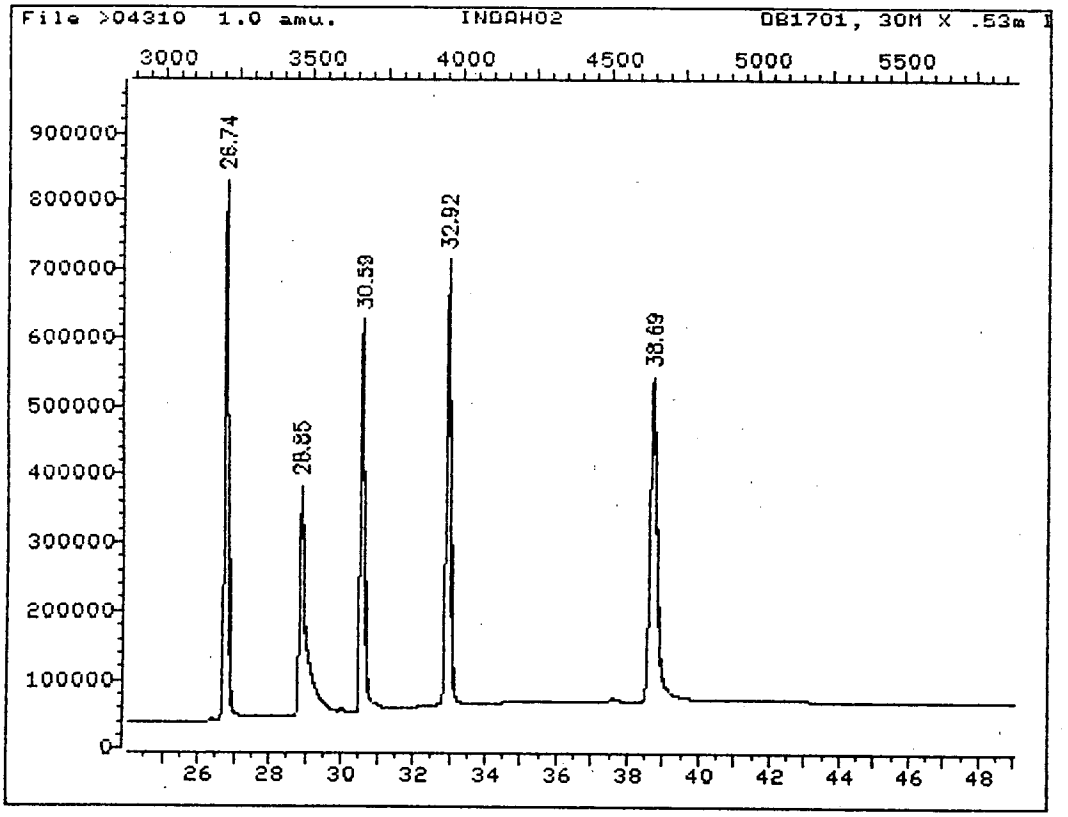

Data File: >04310::G1 Quant Output File: ^04310::GQ
Name: INDAH02 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960719 14:28
Injected at: 960714 03:28

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QUANT REPORT

Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960702 21:18
Output File: ^03089::F3
Injected at: 960701 15:43
Data File: >03089::G3
Dilution Factor: 1.00000
Name: AR1660-01
Instrument ID: GC03
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 01:09

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2412180	19.28	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.68	5002	2532246	21.23	ng/ml	100
23)	#Aroclor-1016(1)	0.100	12.30	1476	293975	100.00	ng/ml	100
29)	#Aroclor-1260(1)	0.100	24.41	2929	775205	100.88	ng/ml	100
34)	#Aroclor-1016(2)	0.100	14.31	1717	653698	100.00	ng/ml	100
35)	#Aroclor-1016(3)	0.100	16.03	1924	1104573	100.00	ng/ml	100
36)	#Aroclor-1016(4)	0.100	16.78	2014	373455	100.00	ng/ml	100
37)	#Aroclor-1016(5)	0.100	19.02	2282	339766	100.34	ng/ml	100
55)	#Aroclor-1260(2)	0.100	24.87	2984	700438	100.00	ng/ml	100
56)	#Aroclor-1260(3)	0.100	26.59	3190	522025	100.00	ng/ml	100
57)	#Aroclor-1260(4)	0.100	30.18	3621	1080466	100.00	ng/ml	100
58)	#Aroclor-1260(5)	0.100	32.94	3953	552100	100.39	ng/ml	100

Compound uses ESTD

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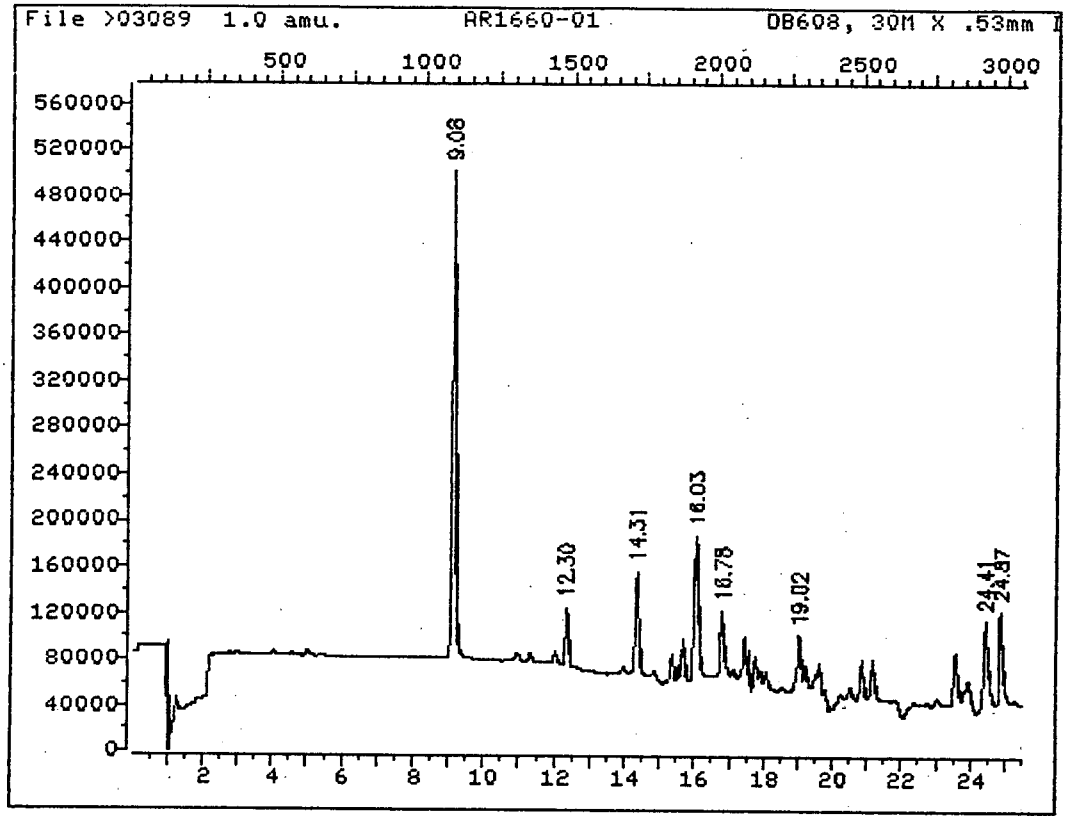

Data File: >03089::G3 Quant Output File: ^03089::F3
Name: AR1660-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 01:09

Operator ID: TRFIL
Quant Time : 960702 21:18
Injected at: 960701 15:43

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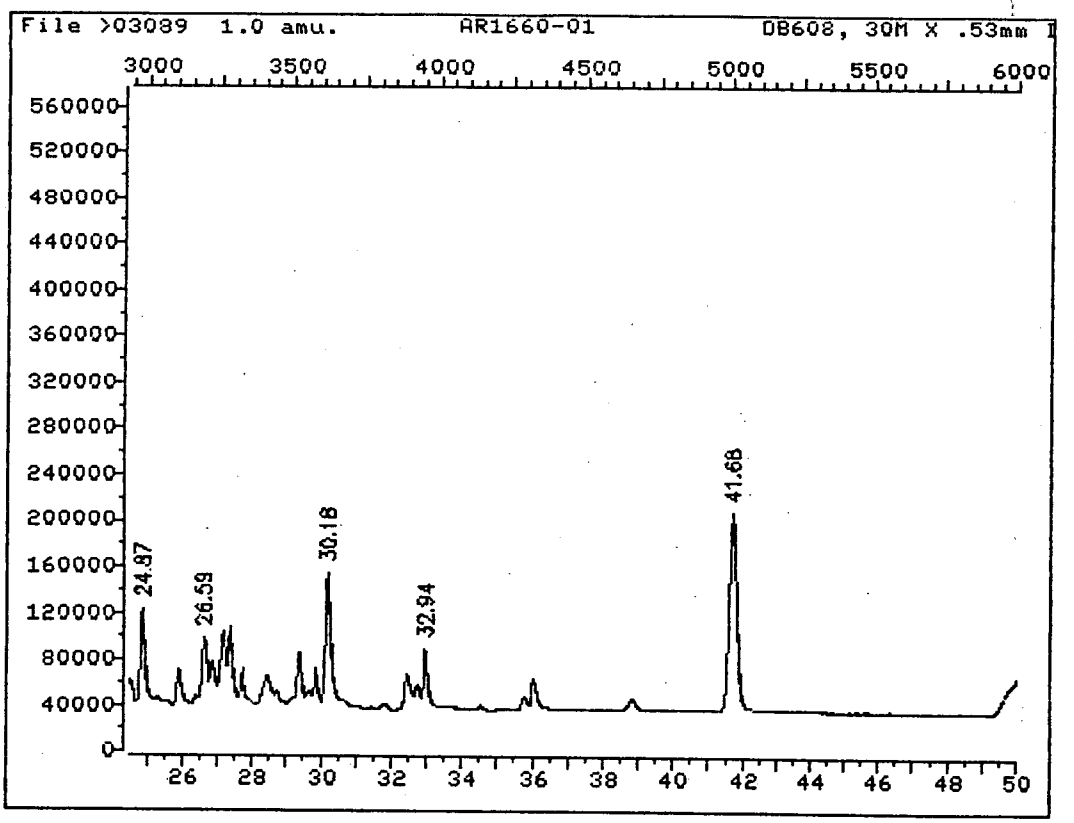

Data File: >03089::G3 Quant Output File: ^03089::F3
Name: AR1660-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 01:09

Operator ID: TRFIL
Quant Time : 960702 21:18
Injected at: 960701 15:43

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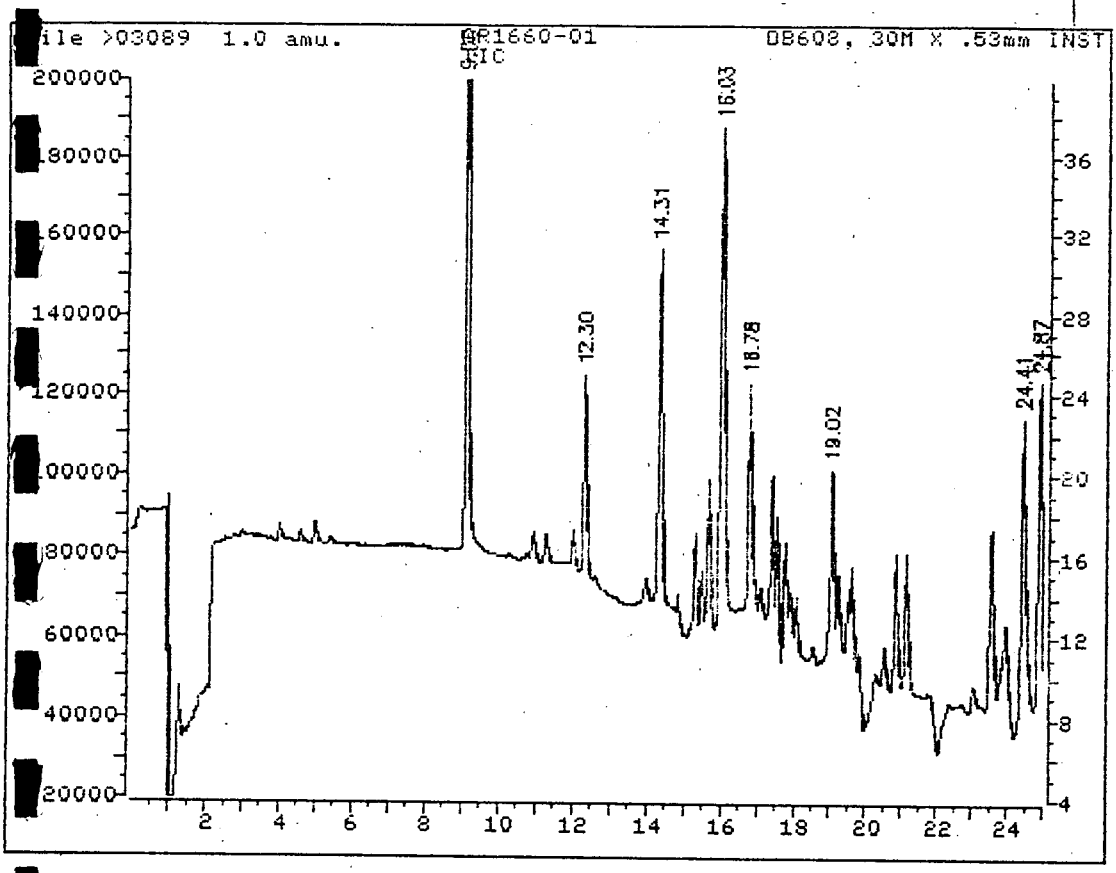
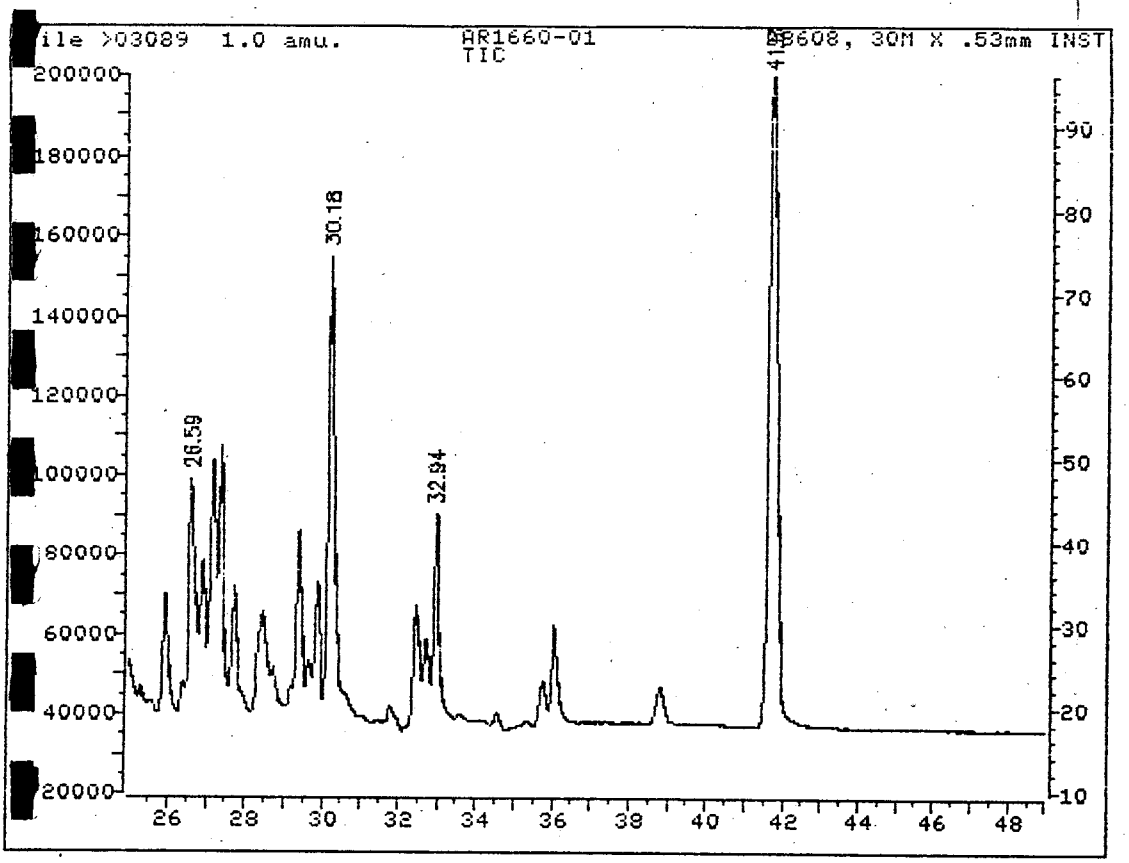


MS data file header from : >03089::G3

Sample: AR1660-01 Operator: TRFIL 7/01/96 15:43
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >03089::G3

Sample: AR1660-01 Operator: TRFIL 7/01/96 15:43
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

Operator ID: TRFIL
Output File: ^04089::F3
Data File: >04089::G5
Name: AR166001
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960705 17:13
Injected at: 960701 15:43
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	811919	19.60	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.72	4646	955931	20.47	ng/ml	100
23)	#Aroclor-1016(1)	0.100	12.08	1450	123501	100.00	ng/ml	100
29)	#Aroclor-1260(1)	0.100	23.78	2854	231033	100.00	ng/ml	100
34)	#Aroclor-1016(2)	0.100	13.85	1662	244473	100.00	ng/ml	100
35)	#Aroclor-1016(3)	0.100	15.98	1918	387913	100.00	ng/ml	100
36)	#Aroclor-1016(4)	0.100	16.55	1986	145632	100.00	ng/ml	100
37)	#Aroclor-1016(5)	0.100	18.57	2228	206068	100.00	ng/ml	100
55)	#Aroclor-1260(2)	0.100	24.92	2990	271511	100.00	ng/ml	100
56)	#Aroclor-1260(3)	0.100	28.45	3414	177484	100.00	ng/ml	100
57)	#Aroclor-1260(4)	0.100	30.07	3608	393158	100.00	ng/ml	100
58)	#Aroclor-1260(5)	0.100	32.05	3846	248345	100.00	ng/ml	100

Compound uses ESTD

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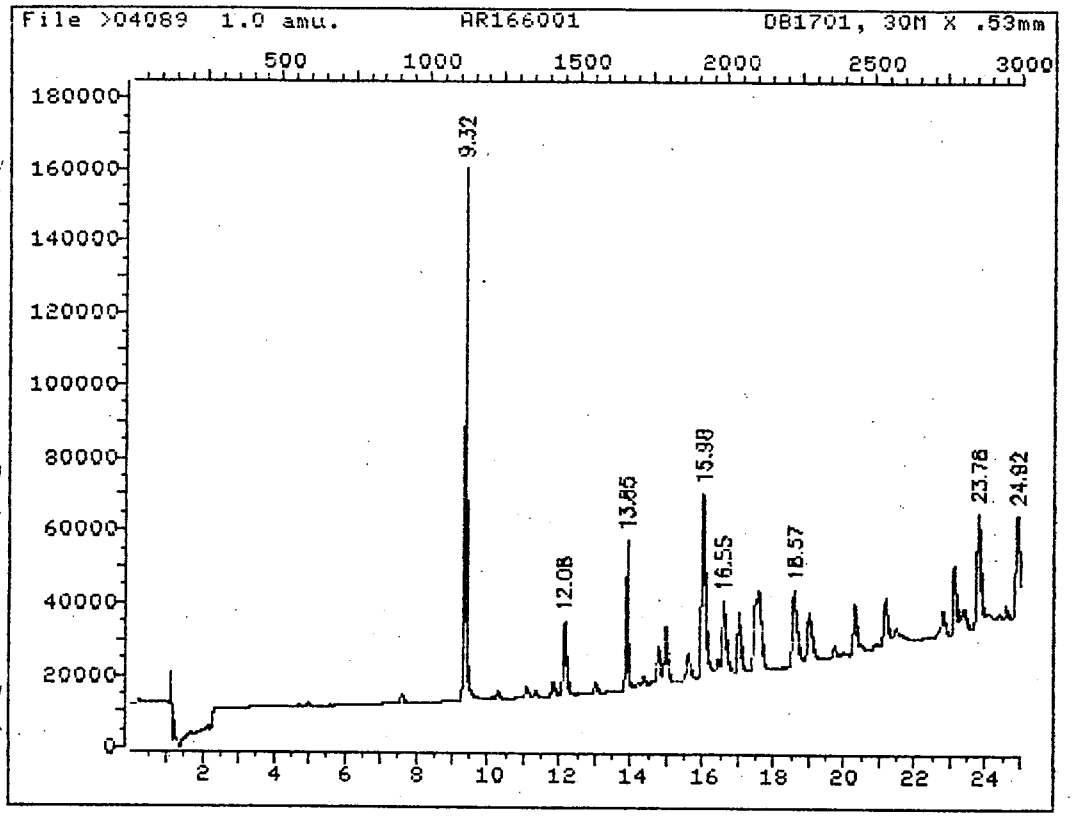

Data File: >04089::G5 Quant Output File: ^04089::F3
Name: AR166001 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960705 17:13
Injected at: 960701 15:43

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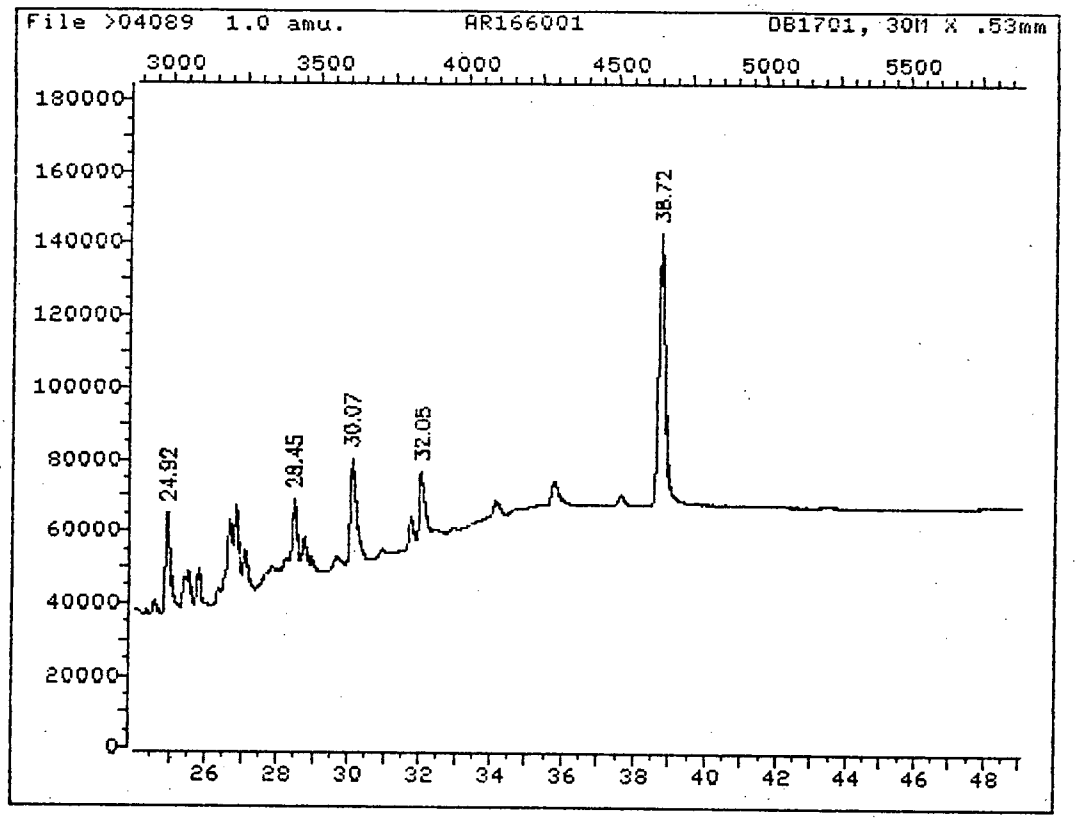

Data File: >04089::G5 Quant Output File: ^04089::F3
Name: AR166001 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960705 17:13
Injected at: 960701 15:43

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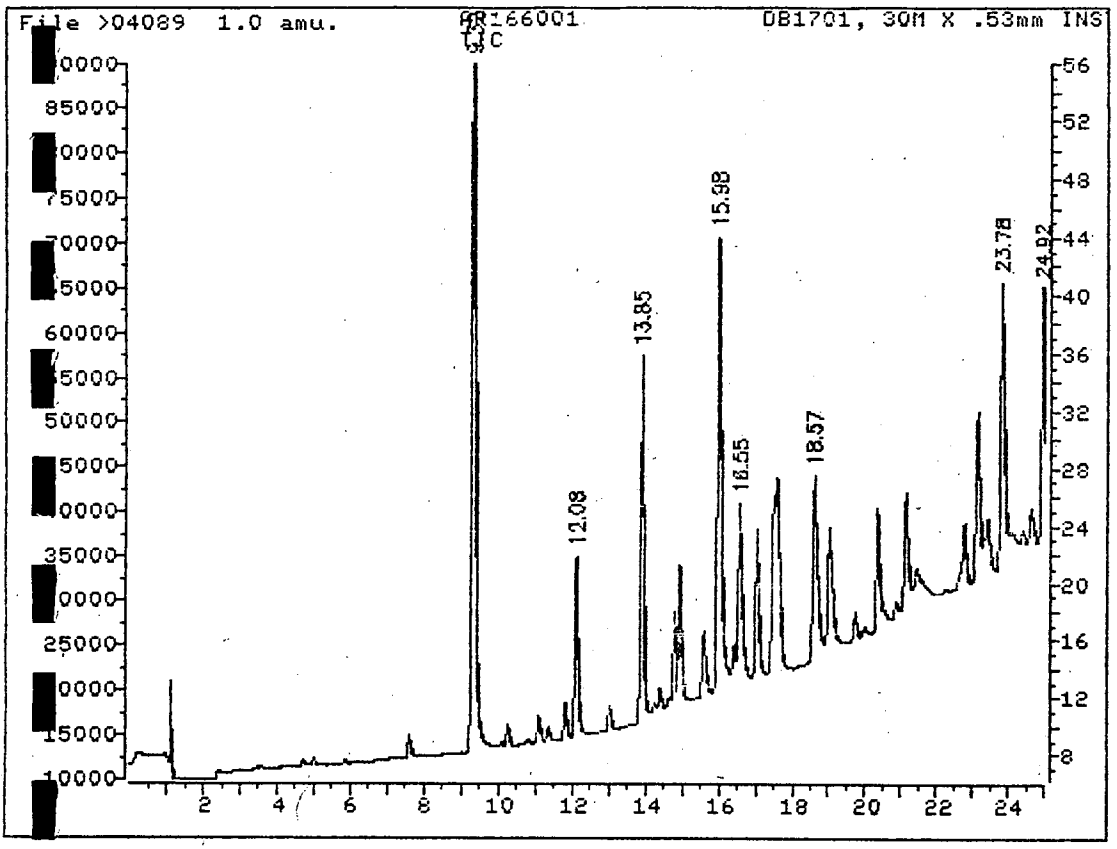
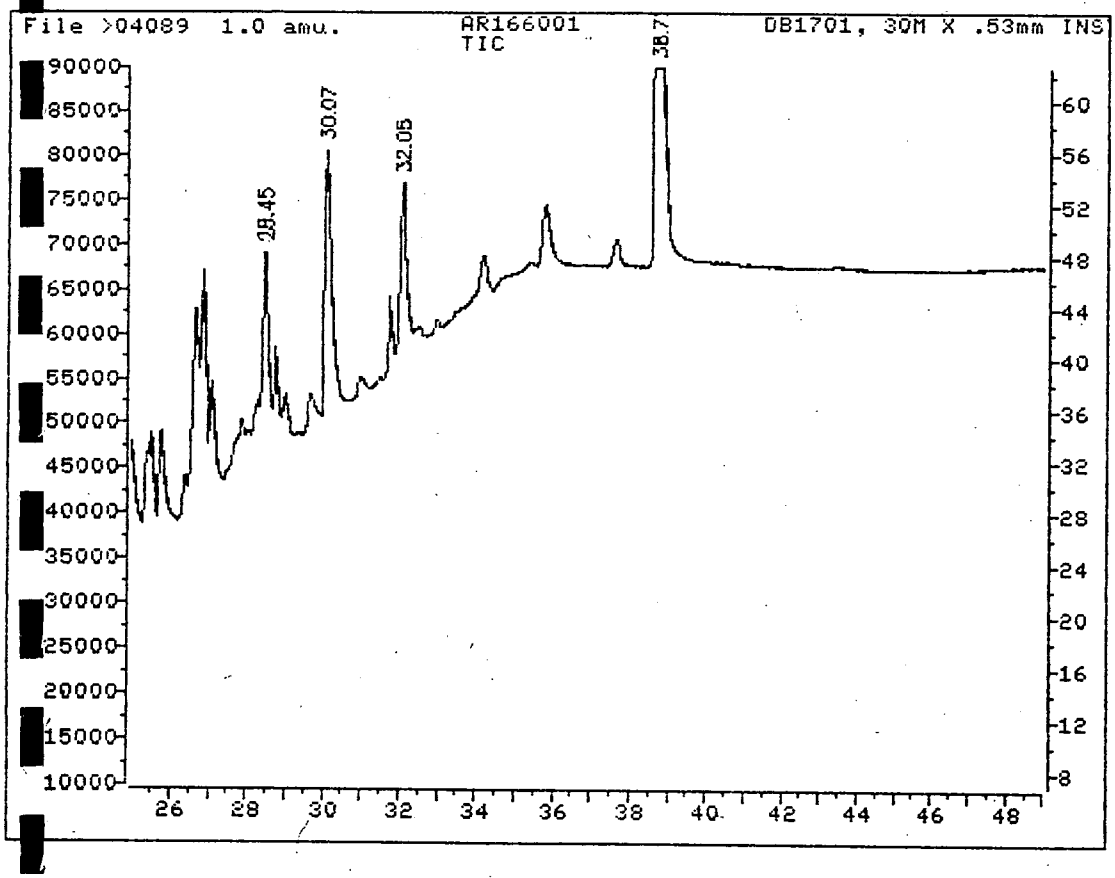


MS data file header from : >04089::G5

Sample: AR166001 Operator: TRFIL 7/01/96 15:43
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



S data file header from : >04089::G5

Sample: AR166001 Operator: TRFIL 7/01/96 15:43
isc : DB1701, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

Operator ID: TRFIL
Output File: ^03090::F3
Data File: >03090::G3
Name: AR1221-01
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7

Quant Time: 960705 14:44
Injected at: 960701 16:40
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07

Last Qcal Time: 960702 00:13

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2341440	18.71	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.68	5002	2455494	20.51	ng/ml	100
24)	#Aroclor-1221(1)	0.200	7.91	949	167080	197.02	ng/ml	100
38)	#Aroclor-1221(2)	0.200	11.27	1352	336060	200.00	ng/ml	100
39)	#Aroclor-1221(3)	0.200	12.30	1476	763228	200.00	ng/ml	100

Compound uses ESTD

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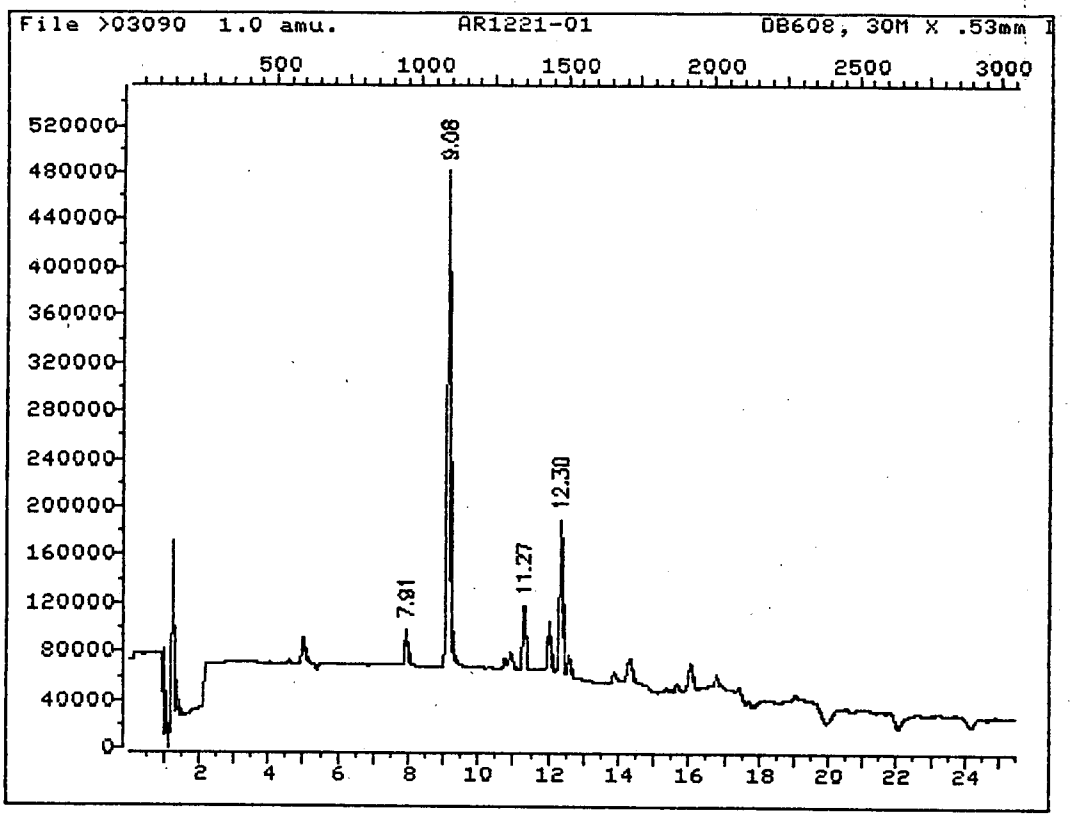
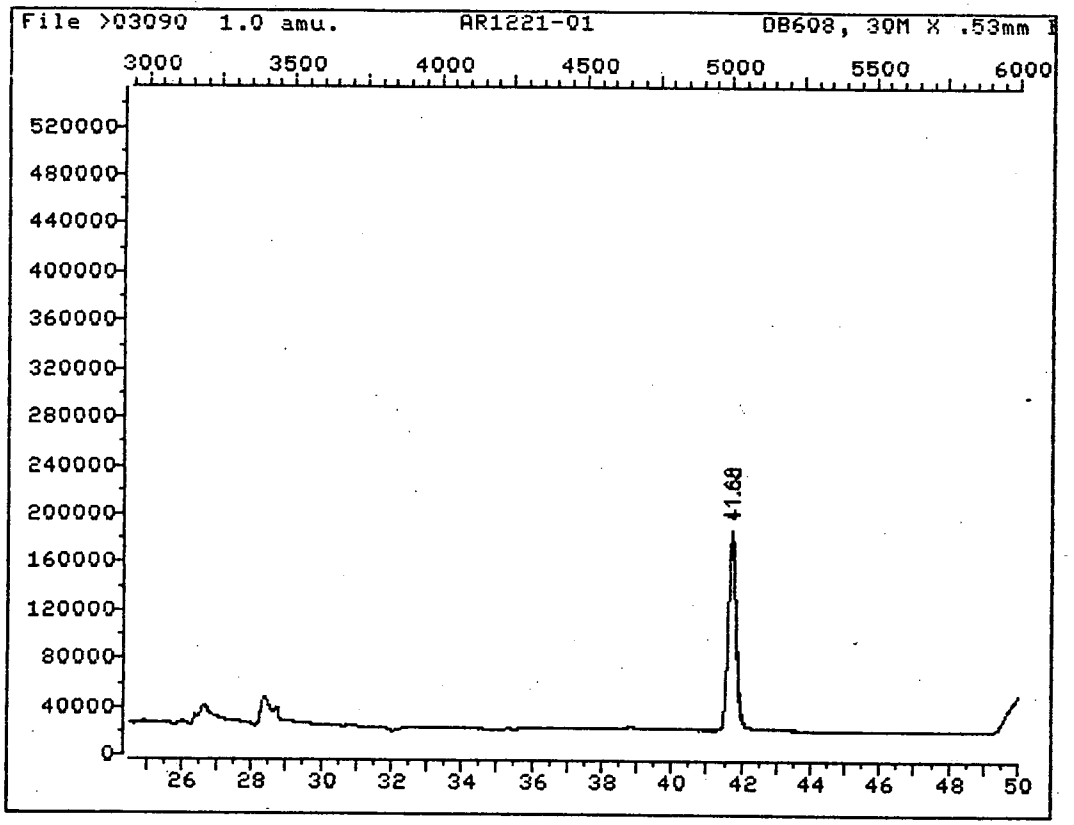


Data File: >03090::G3 Quant Output File: ^03090::F3
Name: AR1221-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960705 14:44
Injected at: 960701 16:40

Page 1 of 2



Data File: >03090::G3 Quant Output File: ^03090::F3
Name: AR1221-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960705 14:44
Injected at: 960701 16:40

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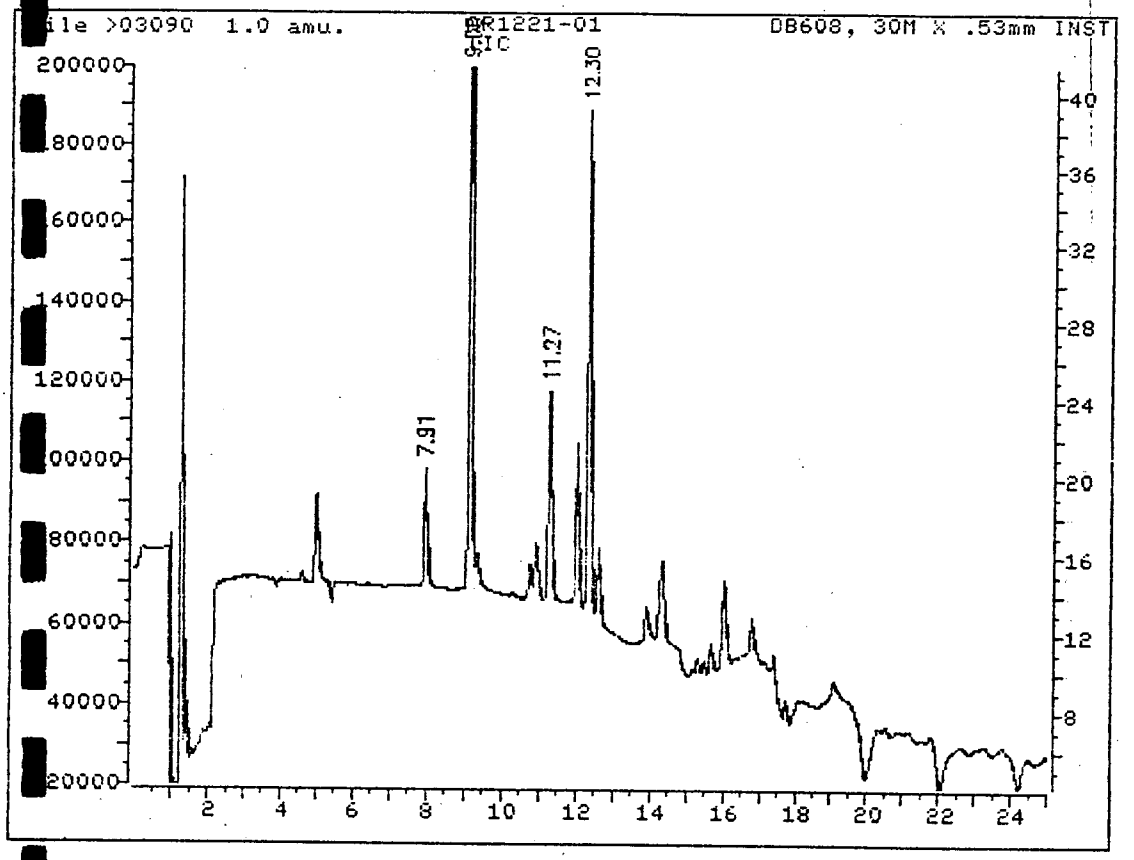
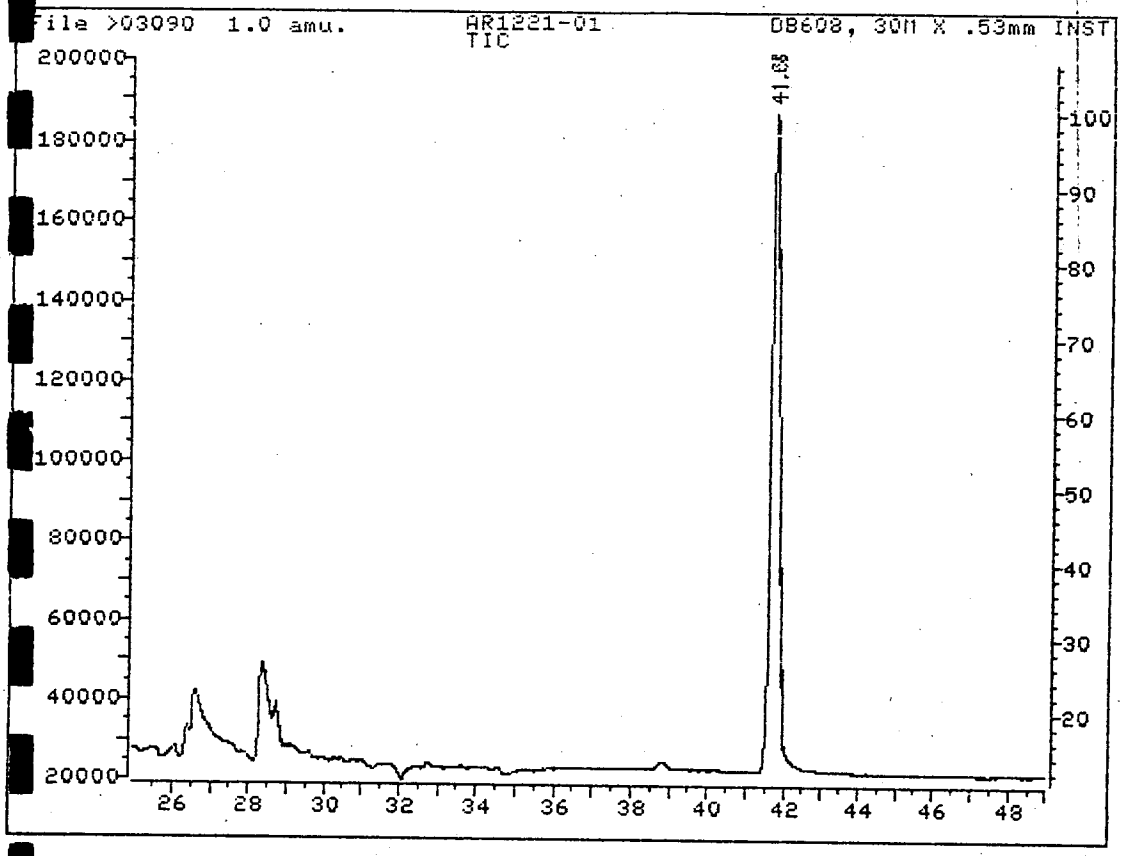


MS data file header from : >03090::G3

Sample: AR1221-01 Operator: TRFIL 7/01/96 16:40
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >03090::G3

Sample: AR1221-01 Operator: TRFIL 7/01/96 16:40
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

perator ID: TRFIL
Quant Rev: 7
Quant Time: 960702 21:53
Output File: ^04090::F3
Injected at: 960701 16:40
Data File: >04090::G5
Dilution Factor: 1.00000
ame: AR122101
Instrument ID: GC04
isc: DB1701, 30M X .53mm INST 58903, 1ul INJ

D File: IDCAP2::SC
itle: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	769356	18.58	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.71	4645	928554	19.88	ng/ml	100
24)	#Aroclor-1221(1)	0.200	7.58	910	158166	200.00	ng/ml	100
38)	#Aroclor-1221(2)	0.200	11.07	1329	131182	200.00	ng/ml	100
39)	#Aroclor-1221(3)	0.200	12.08	1450	343047	200.00	ng/ml	100

Compound uses ESTD

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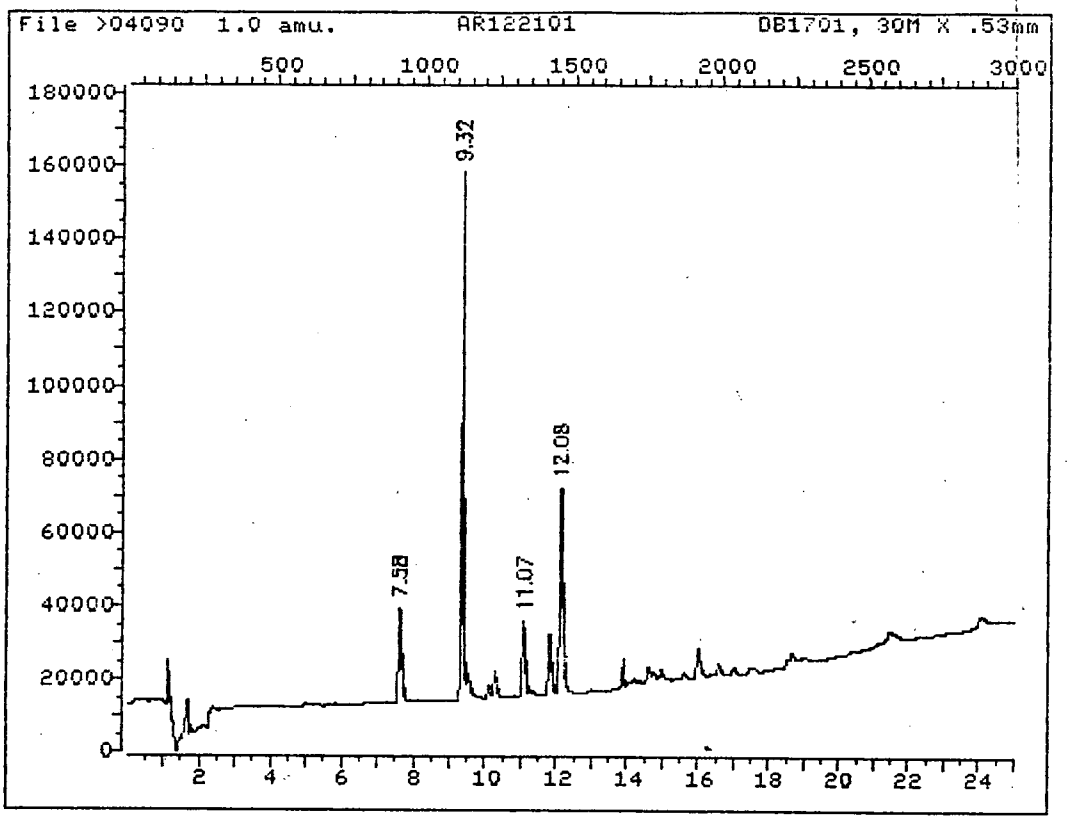
7/10/96



Data File: >04090::G5 Quant Output File: ^04090::F3
Name: AR122101 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 21:53
Injected at: 960701 16:40

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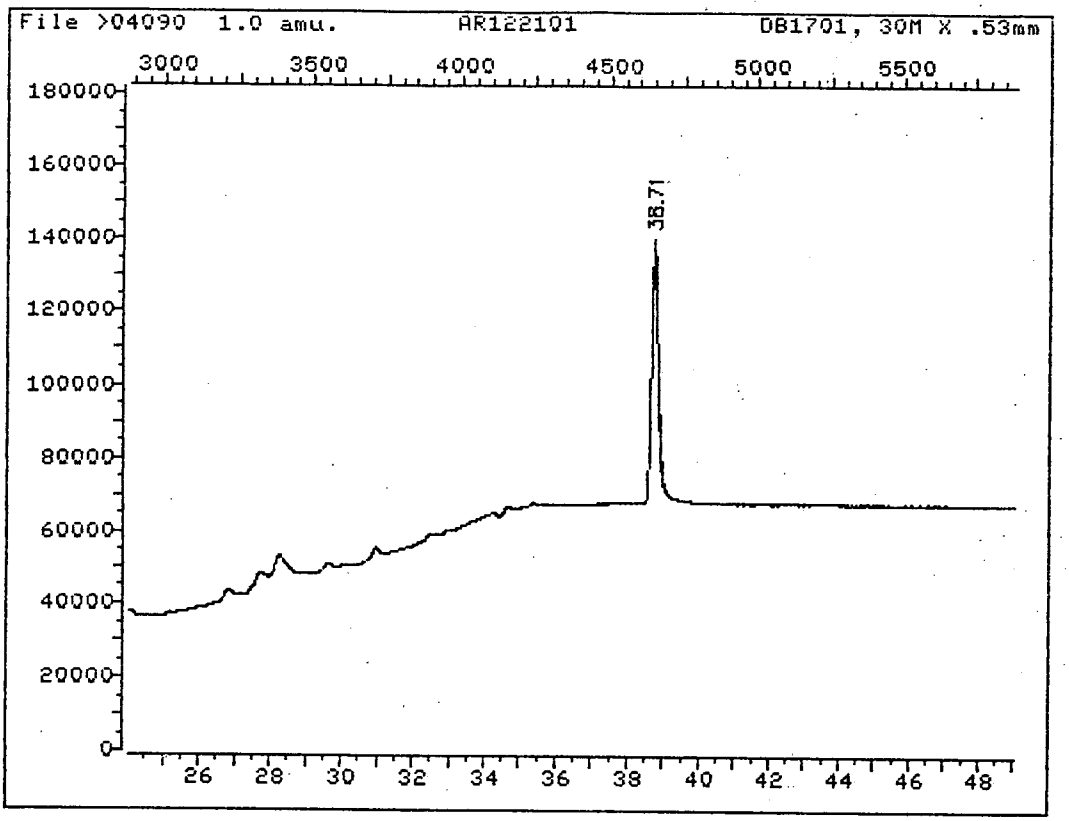

Data File: >04090::G5 Quant Output File: ^04090::F3
Name: AR122101 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 21:53
Injected at: 960701 16:40

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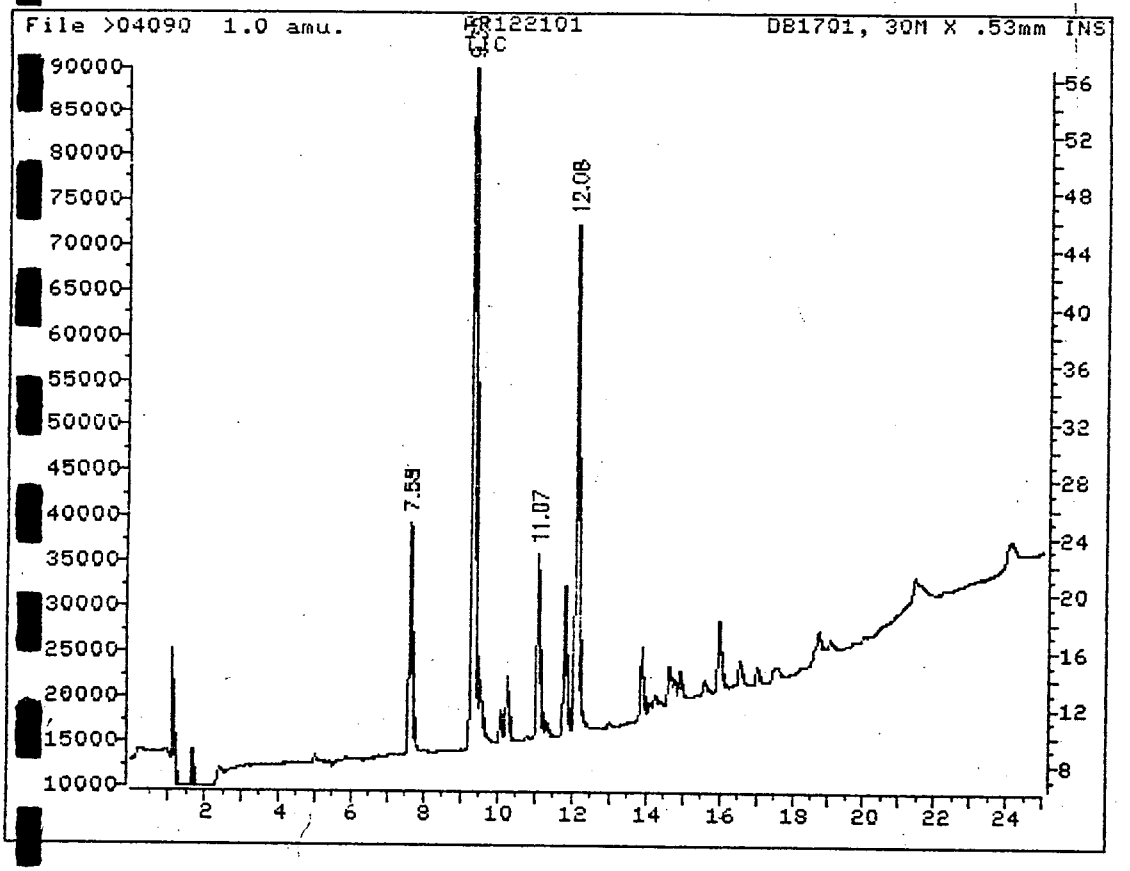
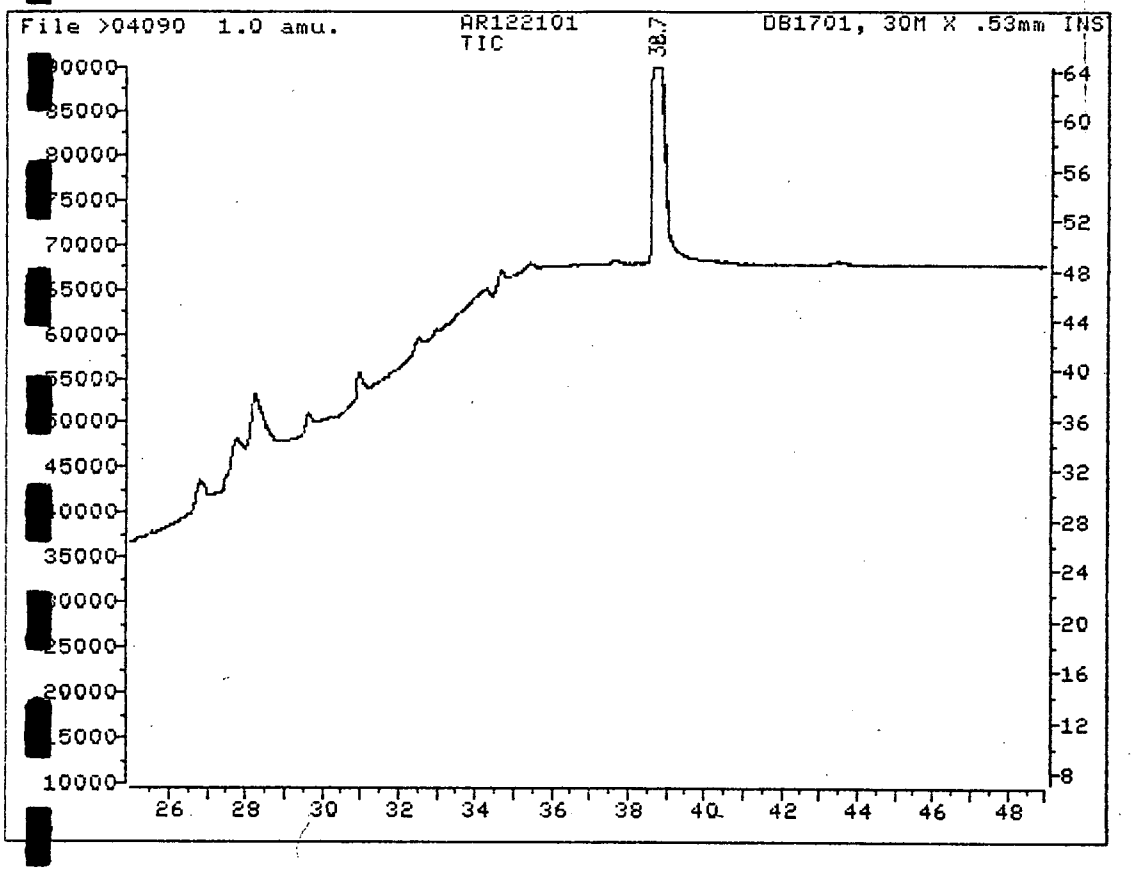


S data file header from : >04090::G5

Sample: AR122101 Operator: TRFIL 7/01/96 16:40
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



G data file header from : >04090::G5

Sample: AR122101 Operator: TRFIL 7/01/96 16:40
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

Operator ID: TRFIL
Output File: ^03091::F3
Data File: >03091::G3
Name: AR1232-01
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960704 15:14
Injected at: 960701 17:37
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960701 19:30

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2418003	19.32	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.68	5001	2500223	20.96	ng/ml	100
25)	#Aroclor-1232(1)	0.100	12.30	1476	286482	100.00	ng/ml	100
40)	#Aroclor-1232(2)	0.100	14.31	1717	282204	100.00	ng/ml	100
41)	#Aroclor-1232(3)	0.100	16.02	1923	470463	100.00	ng/ml	100
42)	#Aroclor-1232(4)	0.100	16.77	2013	172174	100.00	ng/ml	100

Compound uses ESTD

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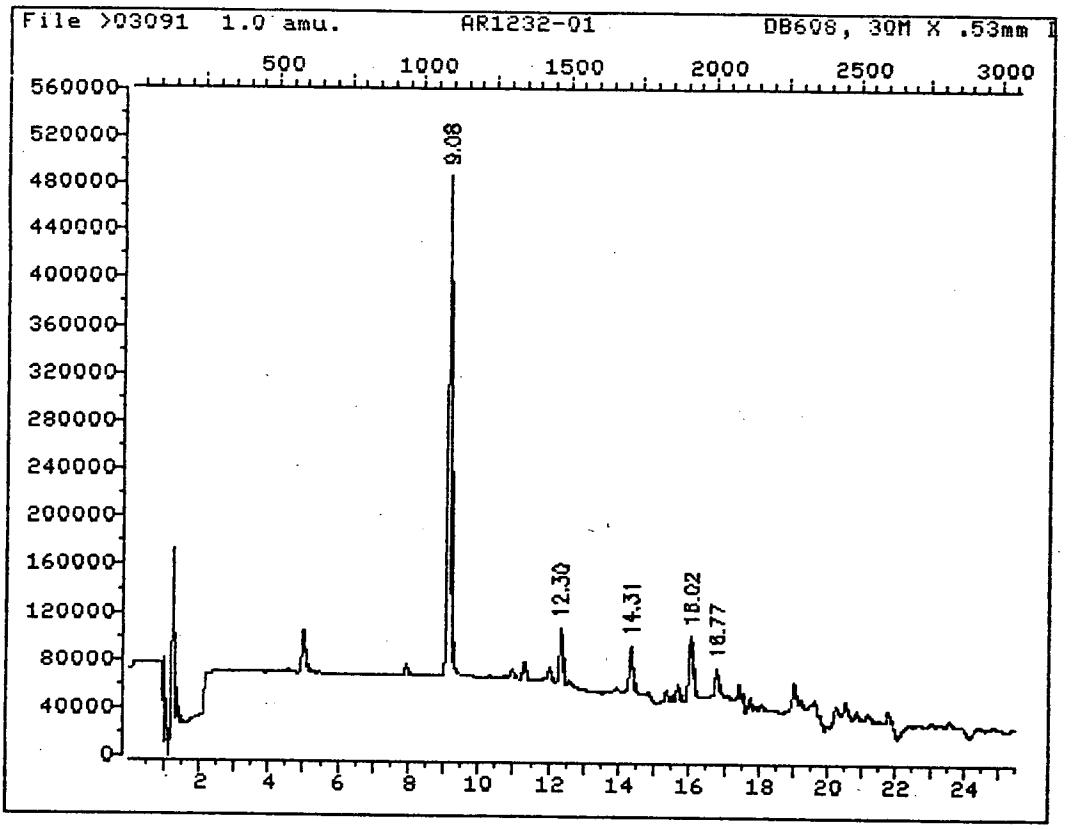
7/9/96



Data File: >03091::G3 Quant Output File: ^03091::F3
Name: AR1232-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:14
Injected at: 960701 17:37

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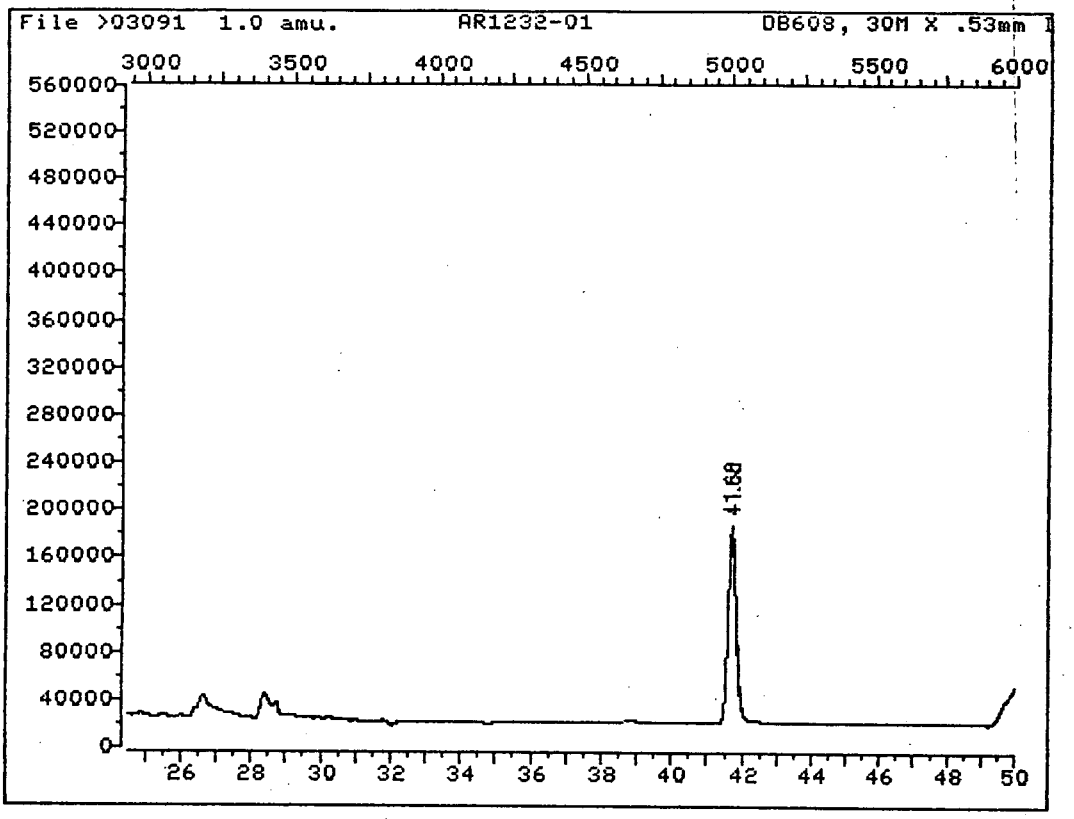

Data File: >03091::G3 Quant Output File: ^03091::F3
Name: AR1232-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:14
Injected at: 960701 17:37

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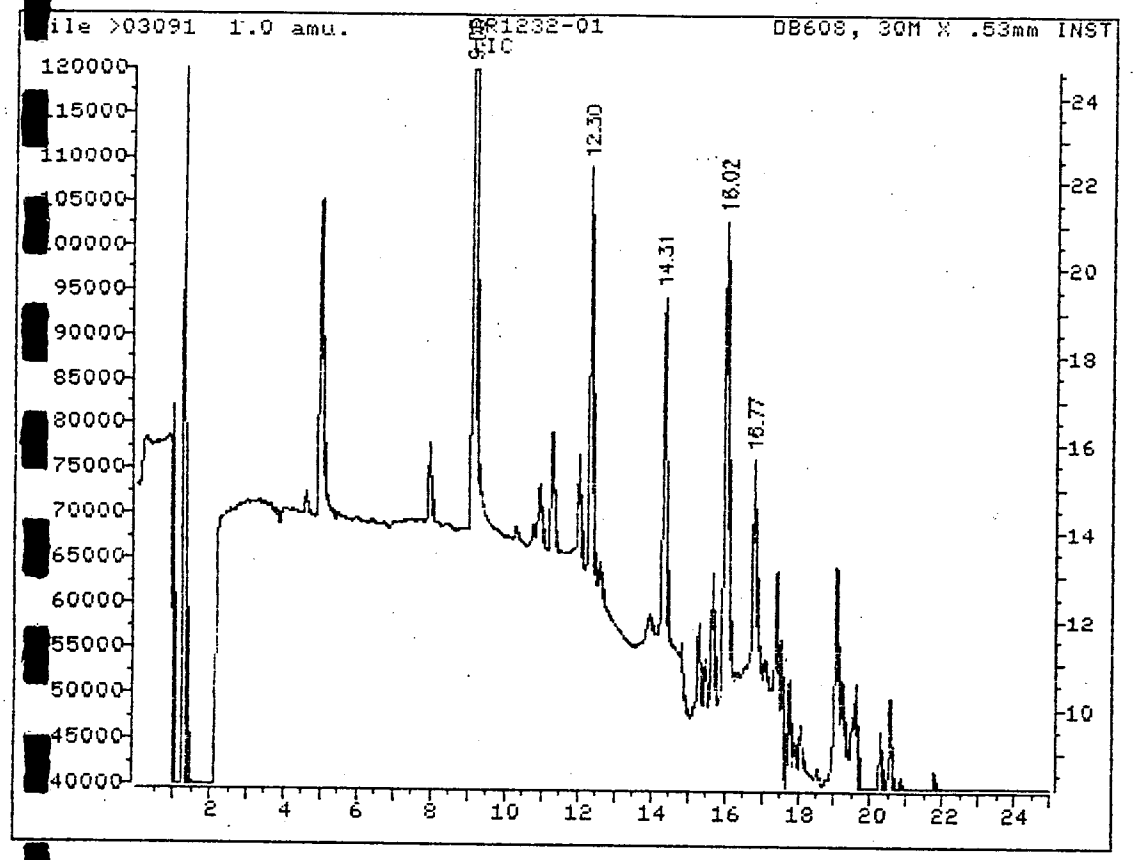
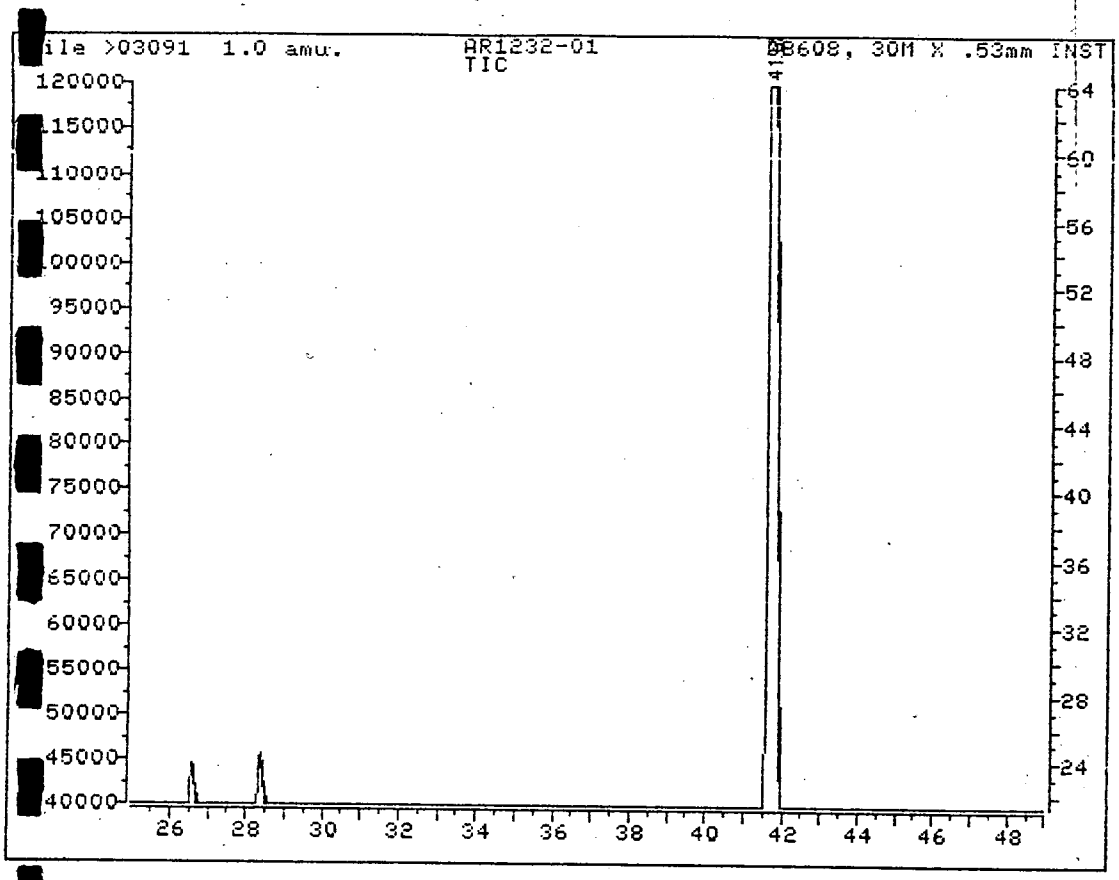


MS data file header from : >03091::G3

Sample: AR1232-01 Operator: TRFIL 7/01/96 17:37
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >03091::G3

Sample: AR1232-01 Operator: TRFIL 7/01/96 17:37
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

Operator ID: TRFIL
Output File: ^04091::F3
Data File: >04091::G5
Name: AR123201
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960702 21:54
Injected at: 960701 17:36
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	780647	18.85	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.71	4645	936940	20.06	ng/ml	100
25)	#Aroclor-1232(1)	0.100	7.57	908	119079	100.00	ng/ml	100
40)	#Aroclor-1232(2)	0.100	12.08	1450	117150	100.00	ng/ml	100
41)	#Aroclor-1232(3)	0.100	13.85	1662	102970	100.00	ng/ml	100
42)	#Aroclor-1232(4)	0.100	15.98	1918	156215	100.00	ng/ml	100

Compound uses ESTD

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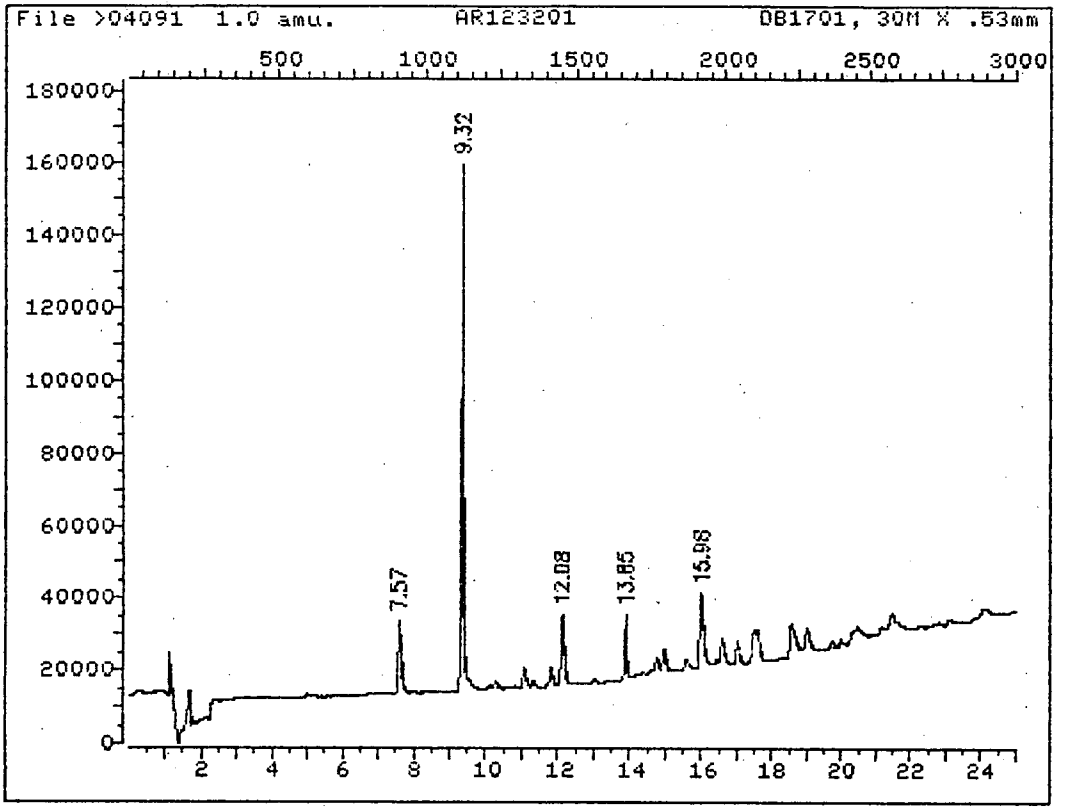

Data File: >04091::G5 Quant Output File: ^04091::F3
Name: AR123201 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 21:54
Injected at: 960701 17:36

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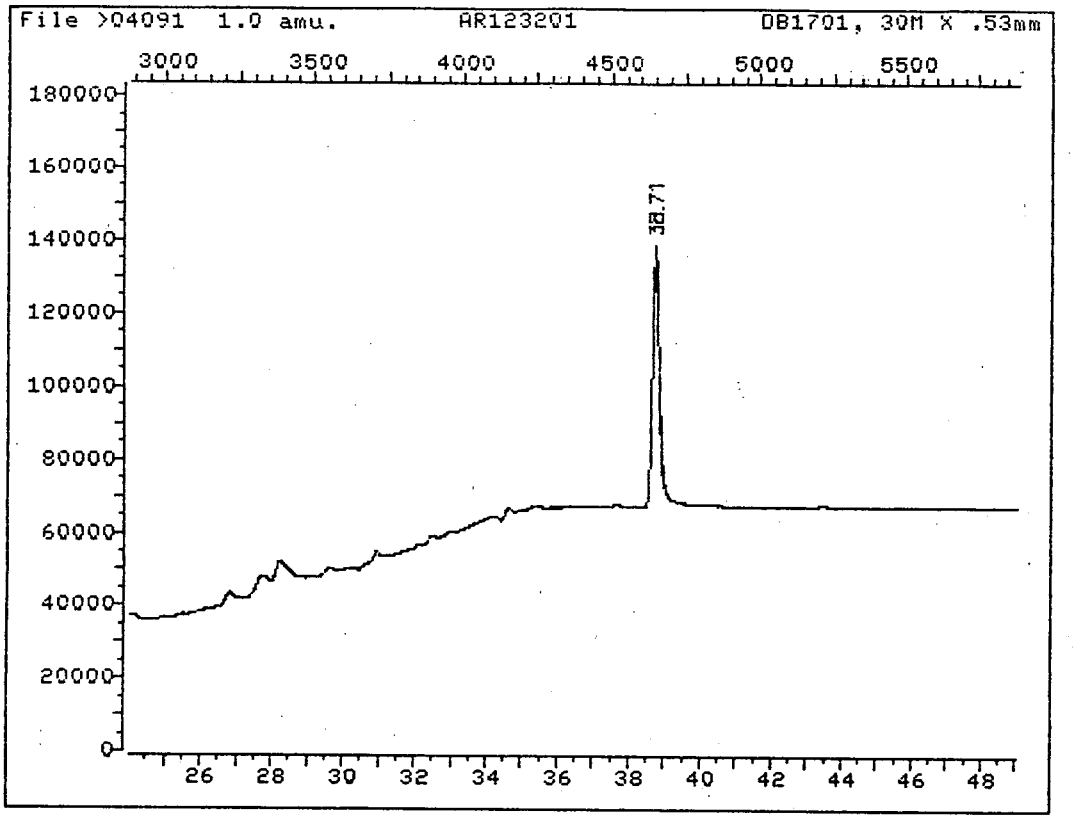

Data File: >04091::G5 Quant Output File: ^04091::F3
Name: AR123201 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 21:54
Injected at: 960701 17:36

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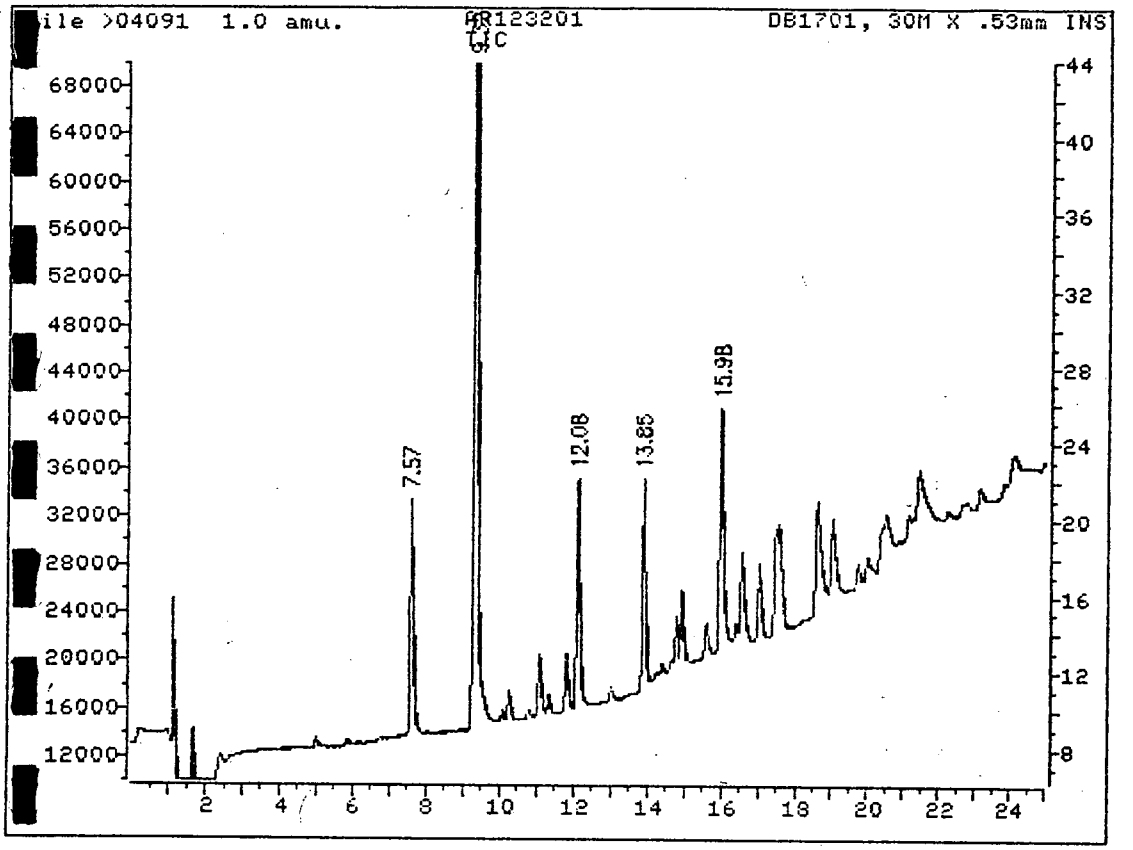
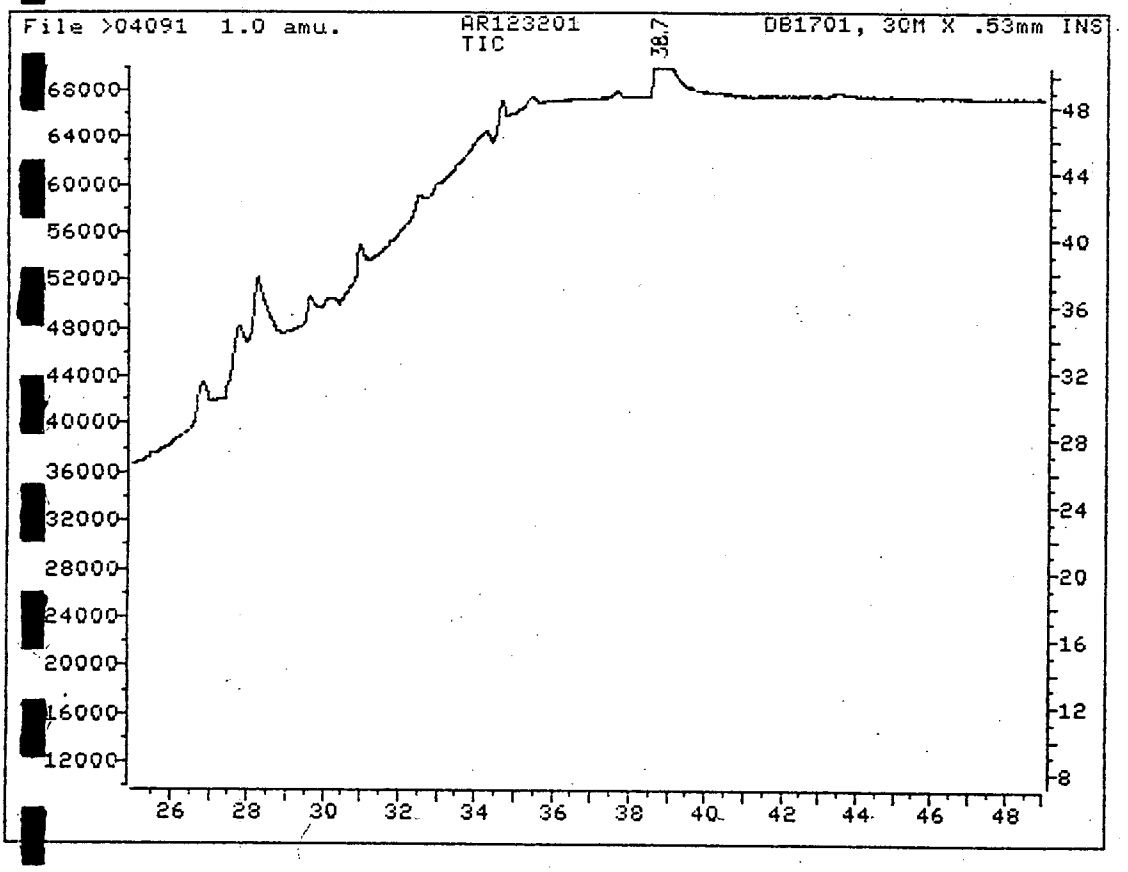


MS data file header from : >04091::G5

ample: AR123201 Operator: TRFIL 7/01/96 17:36
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



S data file header from : >04091::G5

Sample: AR123201 Operator: TRFIL 7/01/96 17:36
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

QUANT REPORT

Operator ID: TRFIL
Output File: ^03092::F3
Data File: >03092::G3
Name: AR1242-01
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960704 15:15
Injected at: 960701 18:34
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960701 19:30

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2429488	19.41	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.68	5002	2526323	21.18	ng/ml	100
26)	#Aroclor-1242(1)	0.100	12.29	1475	260831	100.00	ng/ml	100
43)	#Aroclor-1242(2)	0.100	14.30	1716	538238	100.00	ng/ml	100
44)	#Aroclor-1242(3)	0.100	16.02	1923	891333	100.00	ng/ml	100
45)	#Aroclor-1242(4)	0.100	16.77	2013	316292	100.00	ng/ml	100
46)	#Aroclor-1242(5)	0.100	19.02	2282	298896	100.00	ng/ml	100

Compound uses ESTD

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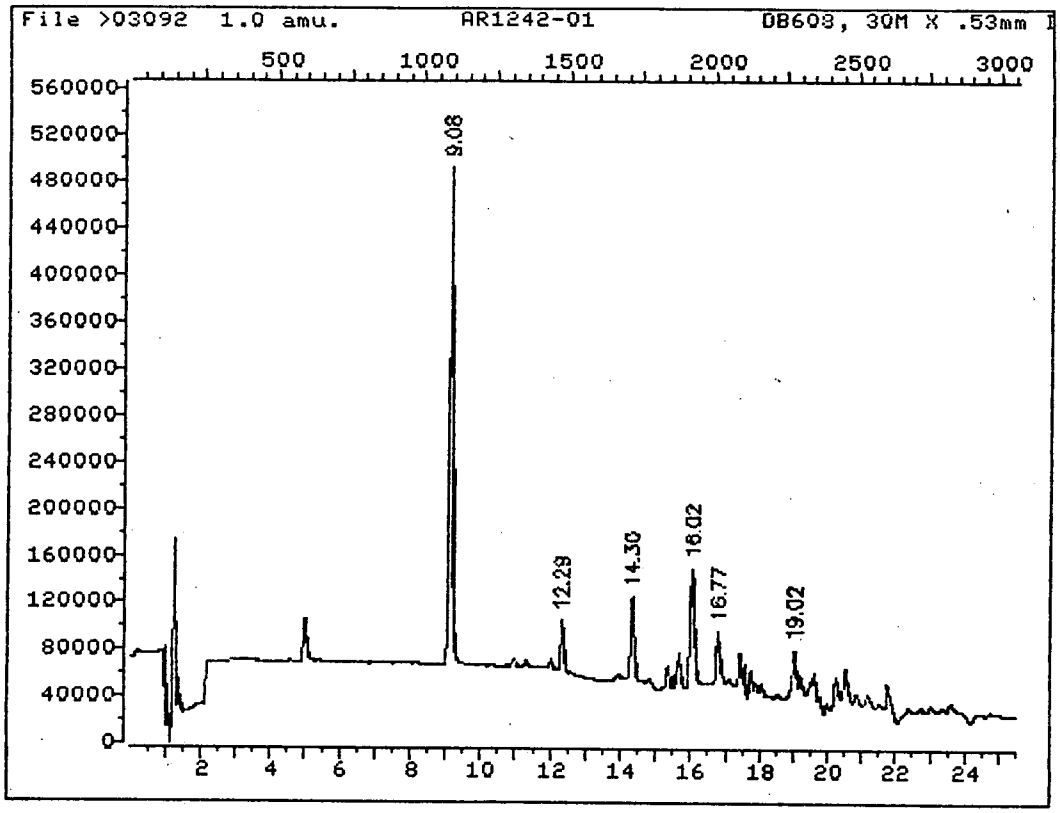

Data File: >03092::G3 Quant Output File: ^03092::F3
Name: AR1242-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:15
Injected at: 960701 18:34

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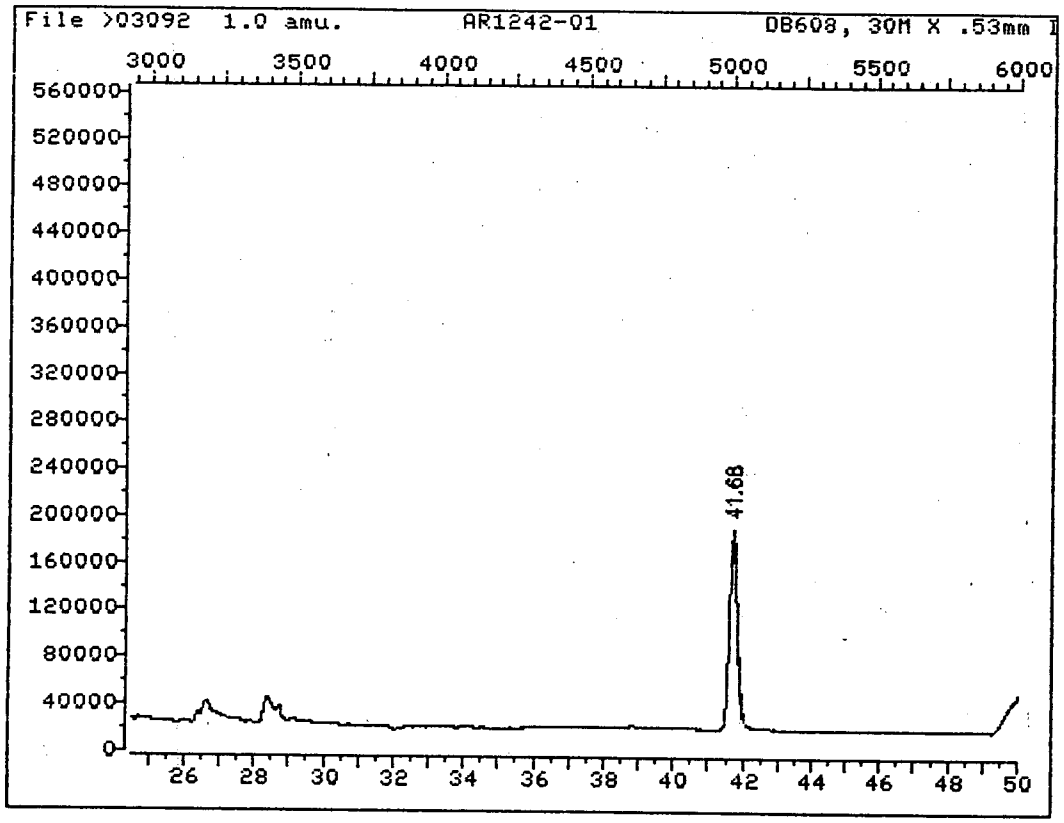
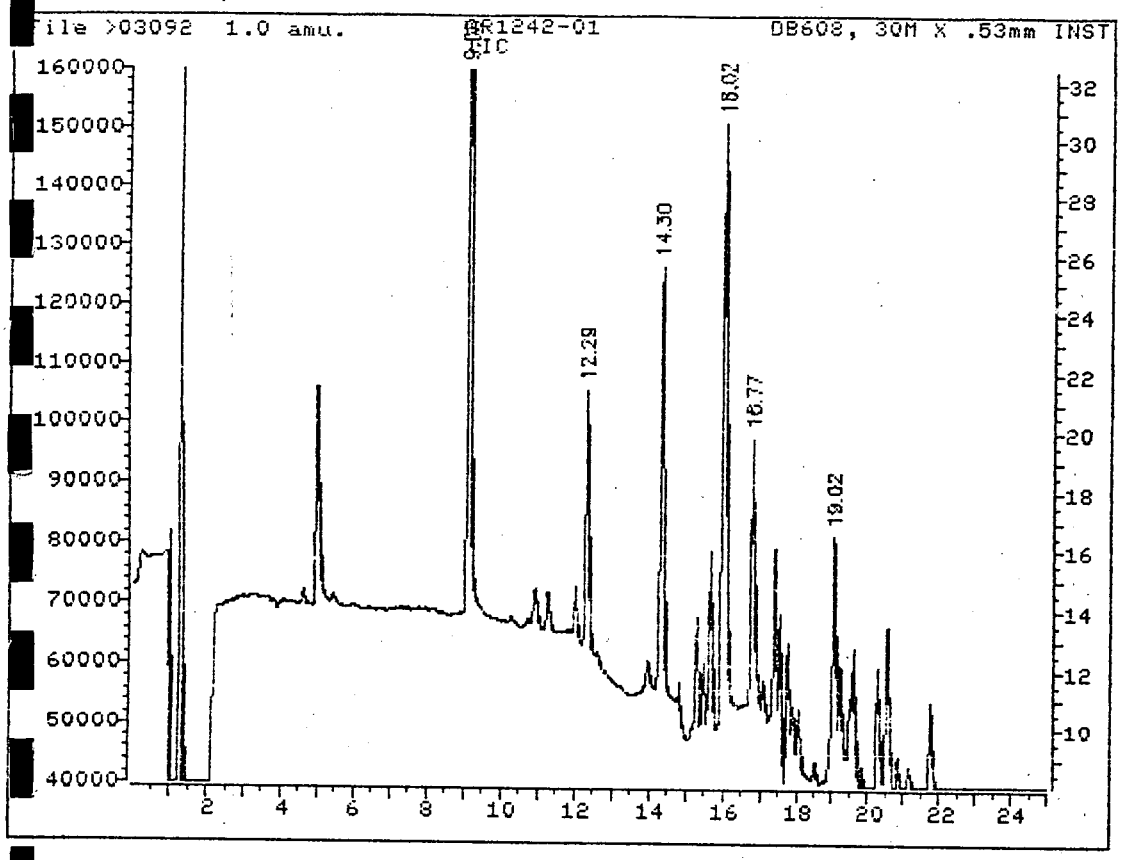


Data File: >03092::G3 Quant Output File: ^03092::F3
Name: AR1242-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960701 19:30

Operator ID: TRFIL
Quant Time : 960704 15:15
Injected at: 960701 18:34

Page 2 of 2



MS data file header from : >03092::G3

Sample: AR1242-01 Operator: TRFIL 7/01/96 18:34
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0