211226

ICM LABORATORIES
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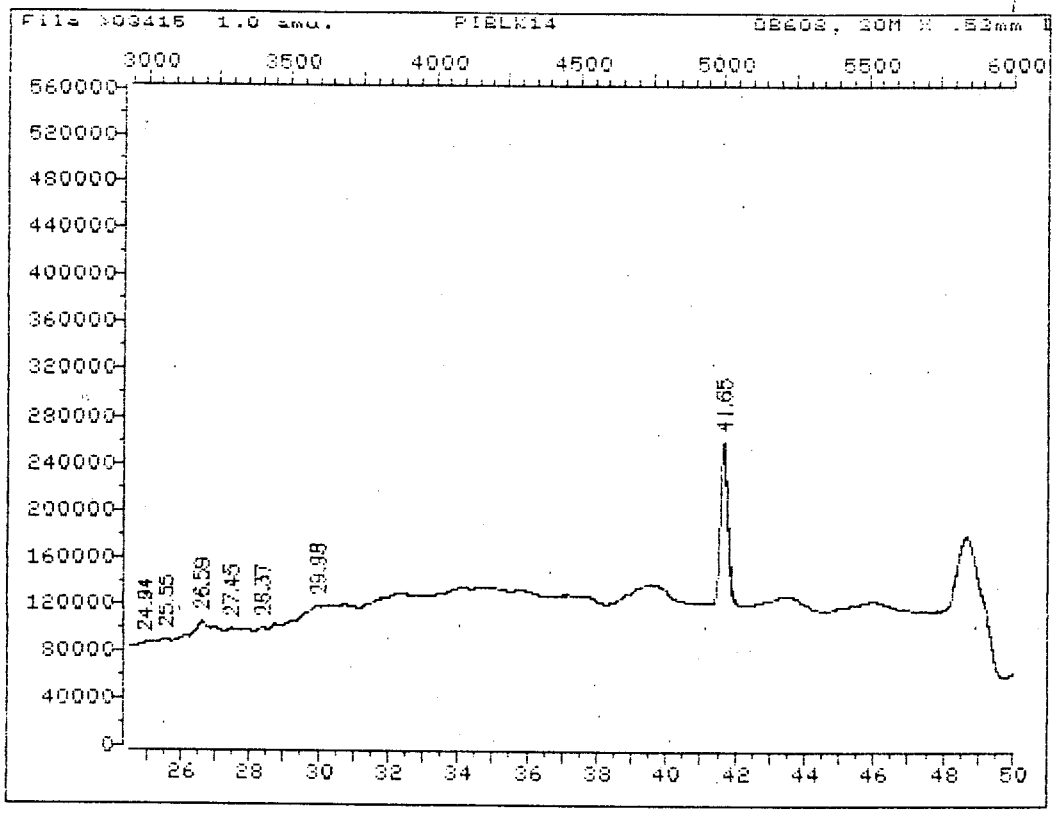
ANALYTICAL DATA REPORT PACKAGE

July 26, 1996

ROY F. WESTON, INC.

RFP-1416

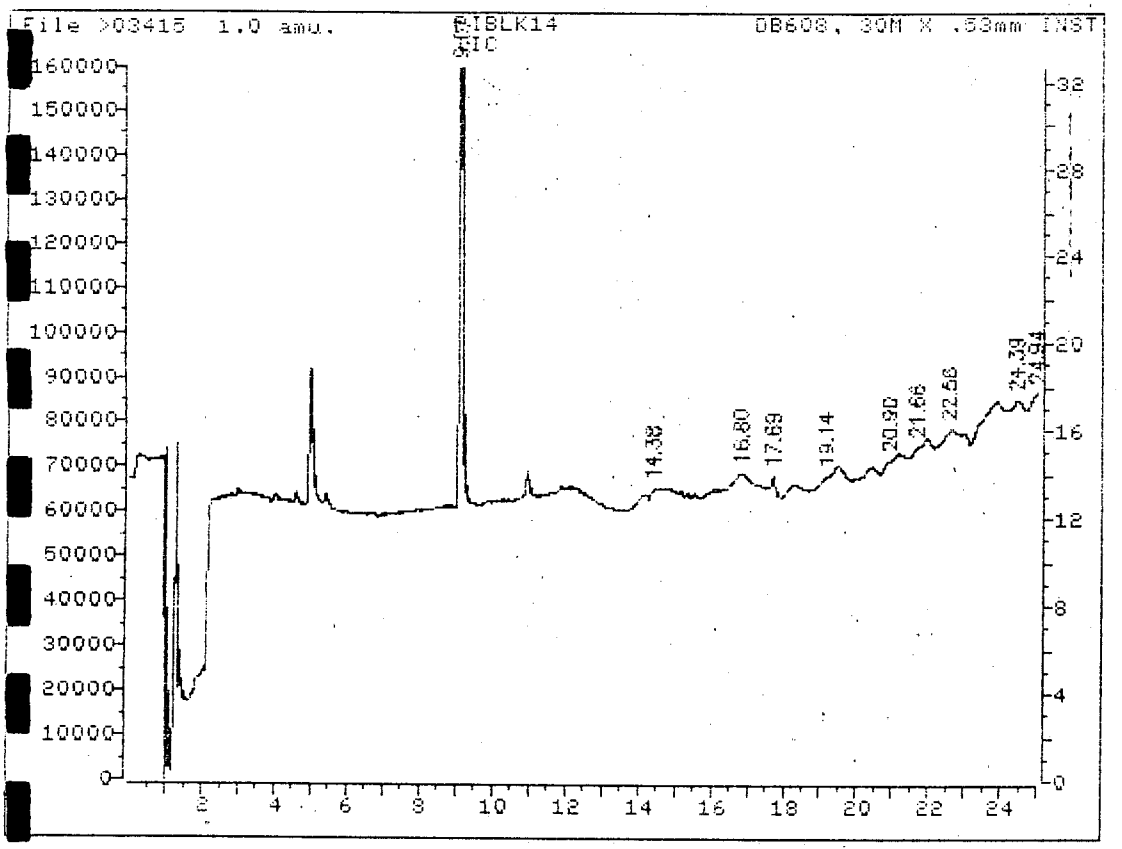


Data File: >03415::G2 Quant Output File: ^03415::GQ
Name: PIBLK14A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 03:52
Injected at: 960718 02:59

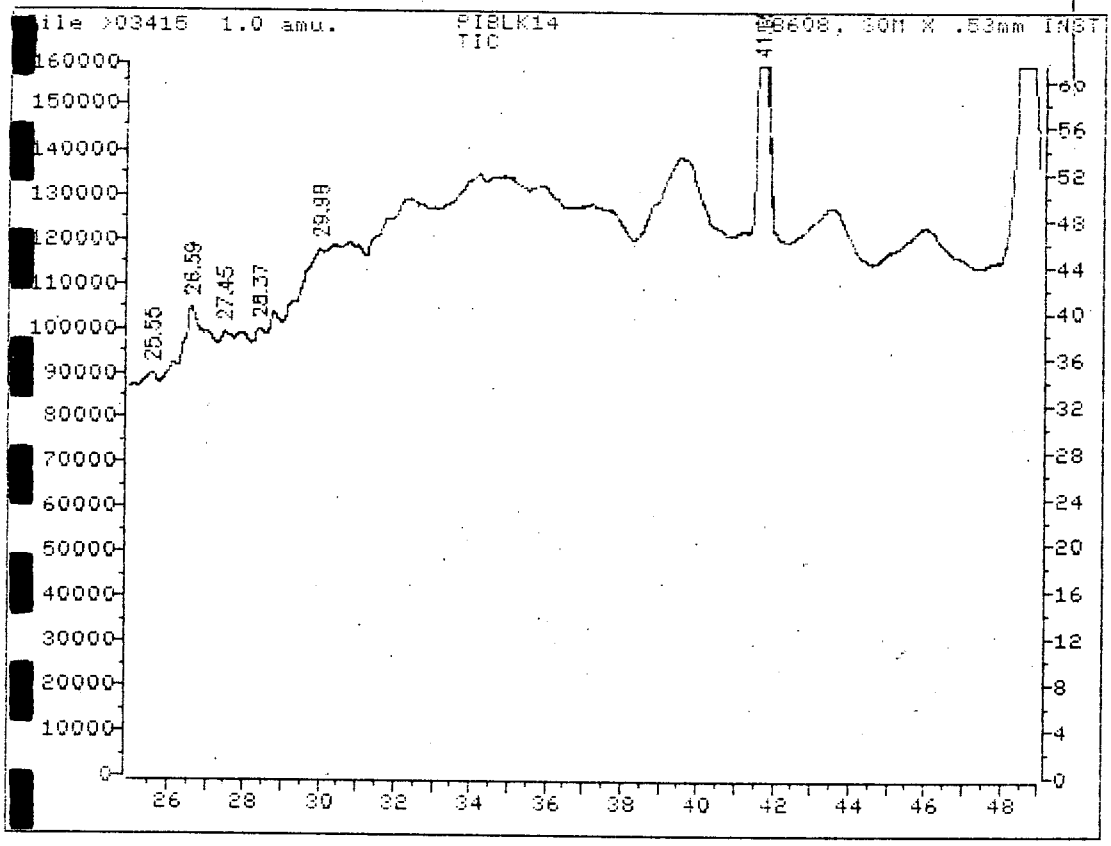
Page 2 of 2



MS data file header from : >03415::G2

Sample: PIBLK14A Operator: TRFI2 7/18/96 2:59
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 : >03415::G2

ample: PIBLK14A Operator: TRFI2 7/18/96 2:59
isc : 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

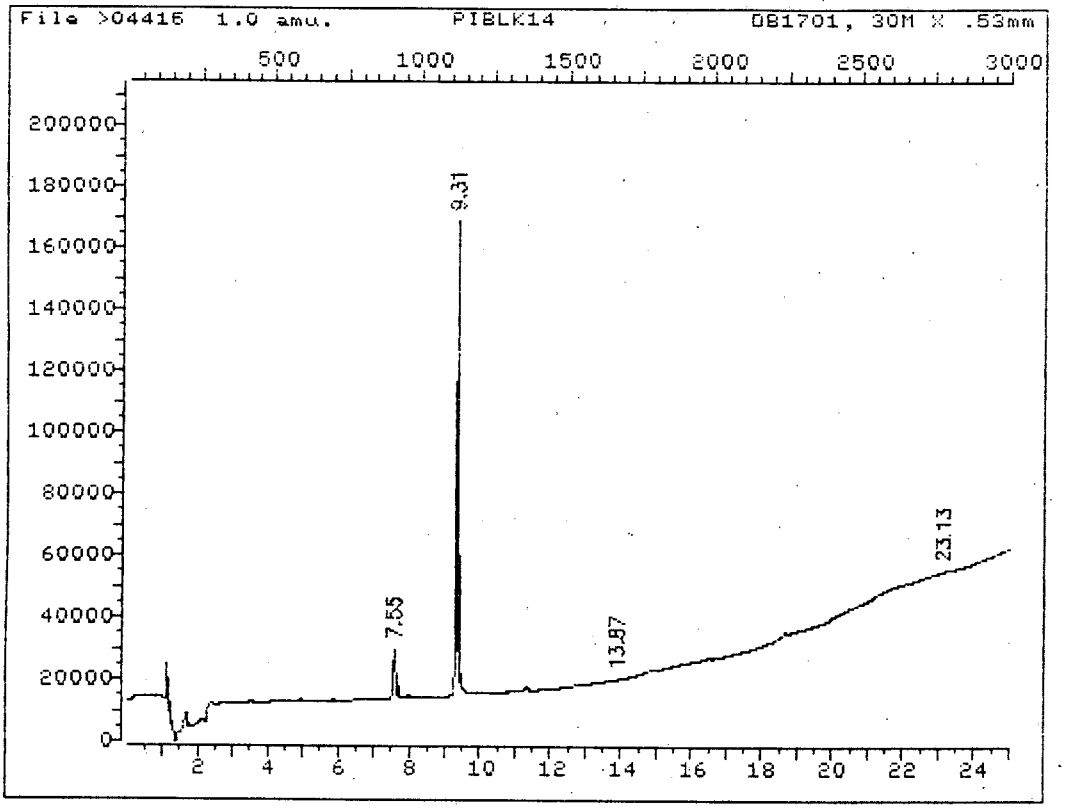
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 03:50
Output File: ^04415::GQ Injected at: 960718 02:59
Data File: >04415::G4 Dilution Factor: 1.00000
Name: PIBLK14A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	829307	20.27	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	917642	20.01	ng/ml	100
24)	#~~Aroclor 1221(1~~) NP	7.55	906	85854	112.31	ng/ml	100
25)	#~~Aroclor 1232(~~1) NP	7.55	906	85854	77.78	ng/ml	100
27)	#~~Aroclor 1248(~~1) NP	13.87	1664	28719	27.94	ng/ml	100
33)	#T~~oxaphene(~~4) NP	31.66	3799	43777	84.46	ng/ml	100
34)	#~~Aroclor 1016(~~2) NP	13.87	1664	28719	11.63	ng/ml	100
41)	#~~Aroclor 1232~~(3) NP	13.87	1664	28375	28.43	ng/ml	100
43)	#~~Aroclor 1242(~~2) NP	13.87	1664	28719	14.85	ng/ml	100
53)	#A~~roclor 1254(4~~) NP	23.13	2775	63681	24.51	ng/ml	100

Compound uses ESTD

EPui
7/22/96



Data File: >04415::G4 Quant Output File: ^04415::GQ
Name: PIBLK14A 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 03:50
Injected at: 960718 02:59

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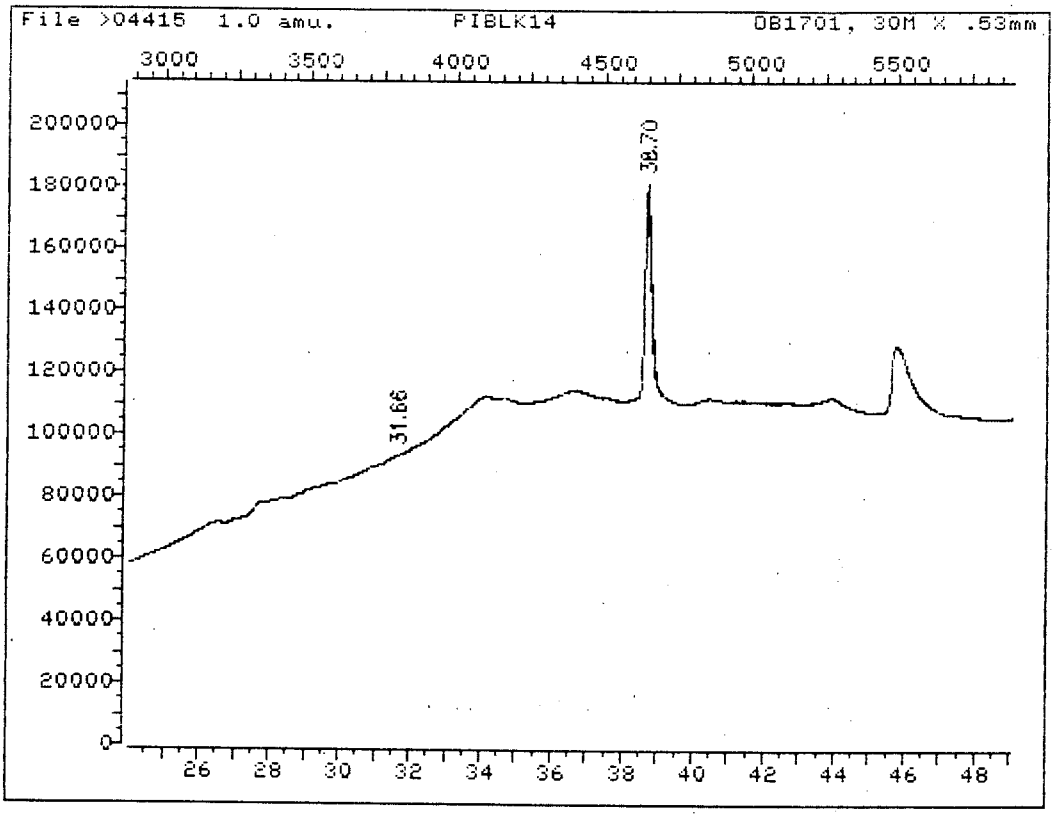
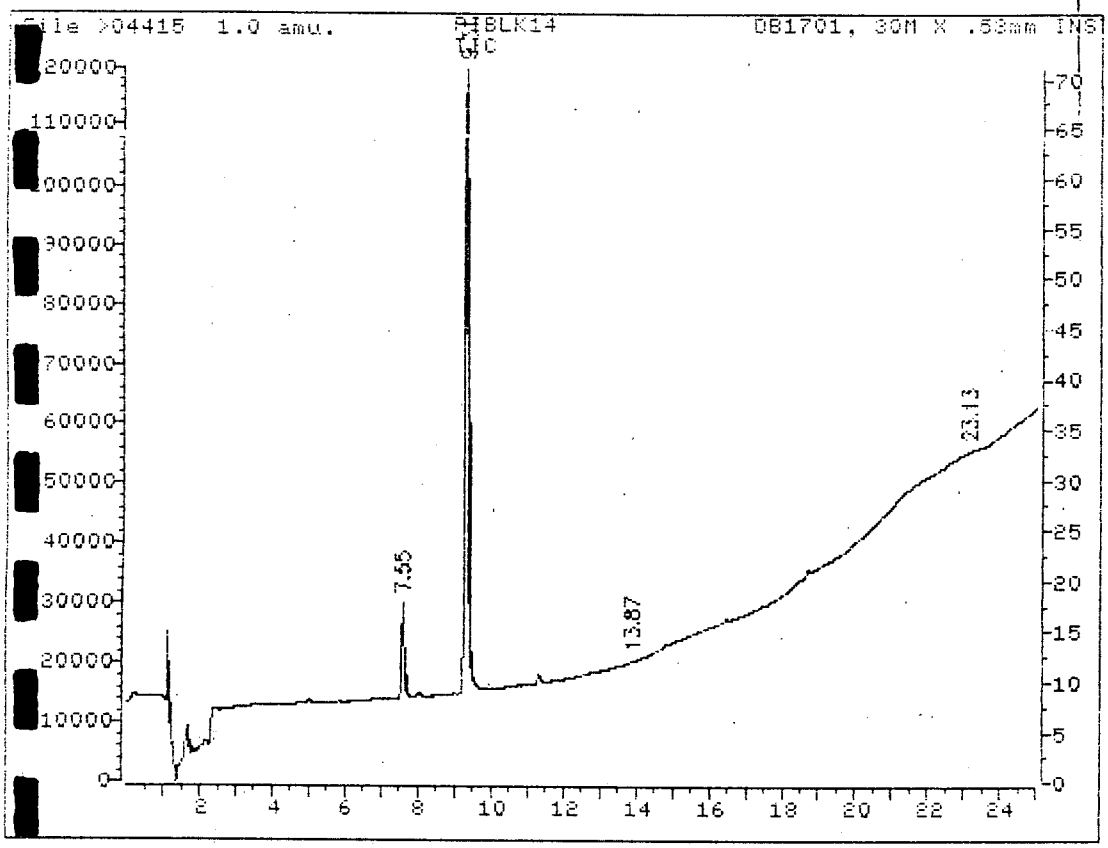


Data File: >04415::G4 Quant Output File: ^04415::GQ
Name: PIBLK14 A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 03:50
Injected at: 960718 02:59

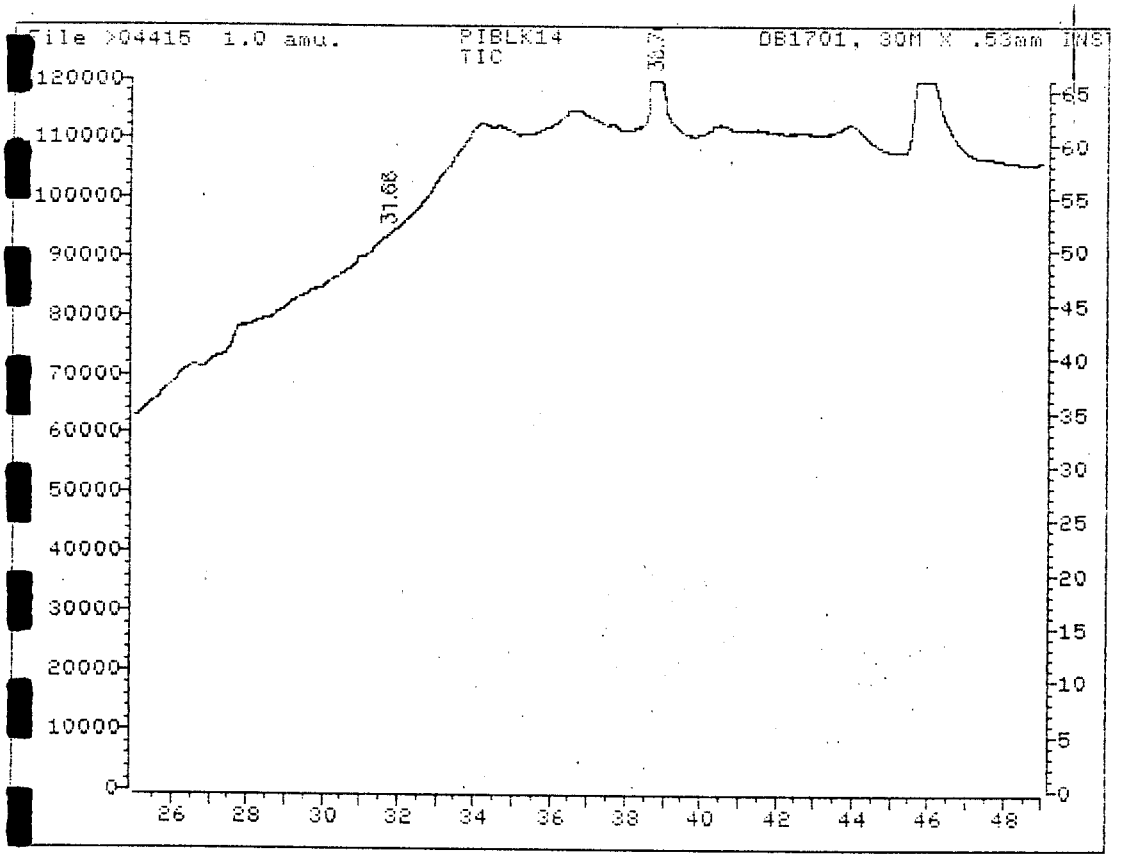
Page 2 of 2



MS data file header from : >04415::G4

Sample: PIBLK14A Operator: TRFI2 7/18/96 2:59
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 : >04415::G4

Sample: PIBLK14 A Operator: TRFI2 7/18/96 2:59
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK15A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK15

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03416

% Moisture: _____ decanted: (Y/N)___ Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	.025	U
319-85-7	beta-BHC	.025	U
319-86-8	delta-BHC	.025	U
58-89-9	gamma-BHC (Lindane)	.025	U
76-44-8	Heptachlor	.025	U
309-00-2	Aldrin	.025	U
1024-57-3	Heptachlor epoxide	.025	U
959-98-8	Endosulfan I	.025	U
60-57-1	Dieldrin	.050	U
72-55-9	4,4'-DDE	.050	U
72-20-8	Endrin	.050	U
33213-65-9	Endosulfan II	.050	U
72-54-8	4,4'-DDD	.050	U
1031-07-8	Endosulfan Sulfate	.050	U
50-29-3	4,4'-DDT	.050	U
72-43-5	Methoxychlor	.25	U
53494-70-5	Endrin ketone	.050	U
7421-93-4	Endrin aldehyde	.050	U
5103-71-9	alpha-Chlordane	.025	U
5103-74-2	gamma-Chlordane	.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	.50	U
53469-21-9	Aroclor-1242	.50	U
12672-29-6	Aroclor-1248	.50	U
11097-69-1	Aroclor-1254	.50	U
11096-82-5	Aroclor-1260	.50	U

QUANT REPORT

Operator ID: TRFI2
Output File: ^03416::GQ
Data File: >03416::G2
Name: PIBLK15A
Misc: DB608. 30M X .53mm INST 58903, 1ul INJ

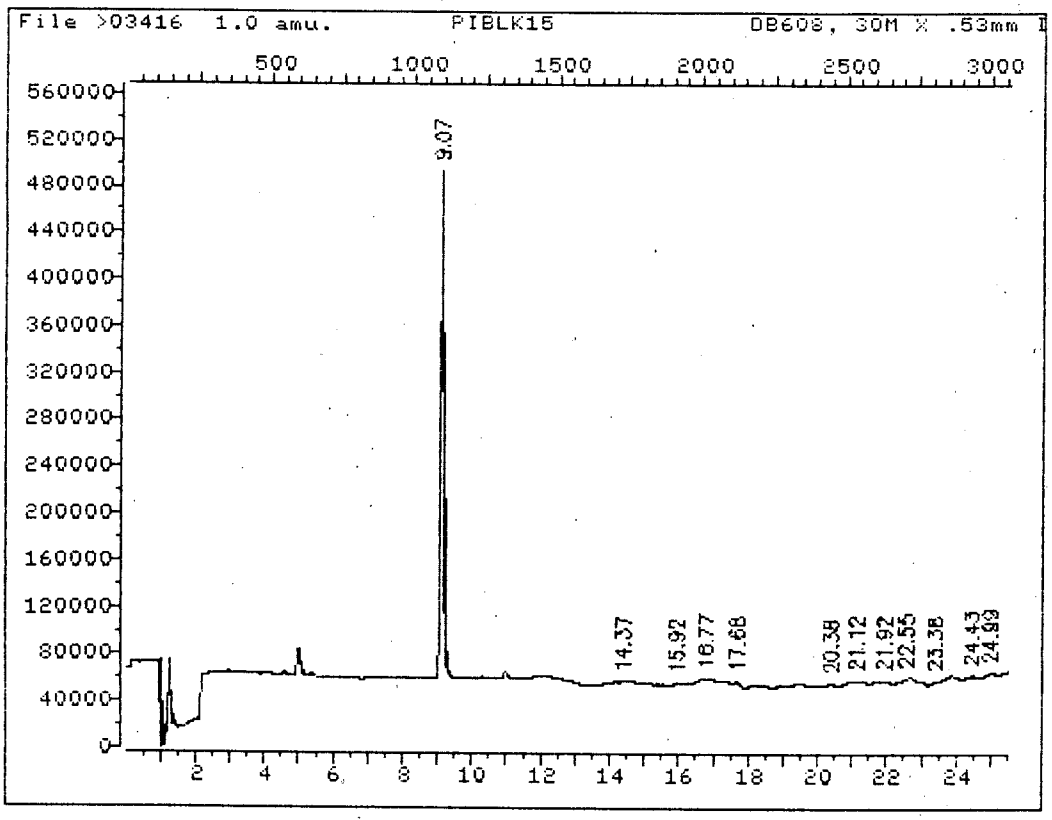
Quant Rev: 7
Quant Time: 960718 04:47
Injected at: 960718 03:54
Dilution Factor: 1.00000
Instrument ID: GC03

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	2469060	20.64	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~ NC	14.37	1724	5887	.0425	ng/ml	100
6)	~~#Heptachlor~~ NC	15.92	1911	11300	.108	ng/ml	100
12)	~~#Endrin~~ NC	24.99	2998	43690	.500	ng/ml	100
14)	~~#4,4'-DDD~~ <½CRQL	26.06	3127	28050	.454	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.38	3405	43501	.495	ng/ml	100
19)	#Decachlorobiphenyl	41.65	4998	2178077	18.84	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	15.92	1911	11300	1.50	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.43	2932	20716	3.24	ng/ml	100
30)	~~#Endrin aldehyde~~ NC	27.45	3294	7569	.0936	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.45	3294	7569	4.53	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.38	3405	43501	20.51	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	14.37	1724	5887	1.01	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.92	1911	11300	1.01	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.77	2012	46653	12.12	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.37	1724	5887	2.10	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	15.92	1911	11300	2.42	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	16.77	2012	46653	26.69	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	14.37	1724	5887	1.27	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.92	1911	11300	1.27	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.77	2012	46653	14.09	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.68	2122	39793	12.46	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.38	2446	43553	10.60	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.92	2630	38759	8.85	ng/ml	100
51)	~~#Aroclor-1254(2)~~ NP	21.12	2534	81887	13.96	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	22.55	2706	51677	27.98	ng/ml	100
53)	~~#Aroclor-1254(4)~~ NP	23.38	2806	23521	3.64	ng/ml	100
54)	~~#Aroclor-1254(5)~~ NP	24.99	2998	43690	11.96	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.99	2998	43690	6.13	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.59	3190	253066	54.97	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	33.02	3962	11197	2.27	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >03416::G2 Quant Output File: ^03416::GQ
Name: PIBLK15A 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 04:47
Injected at: 960718 03:54

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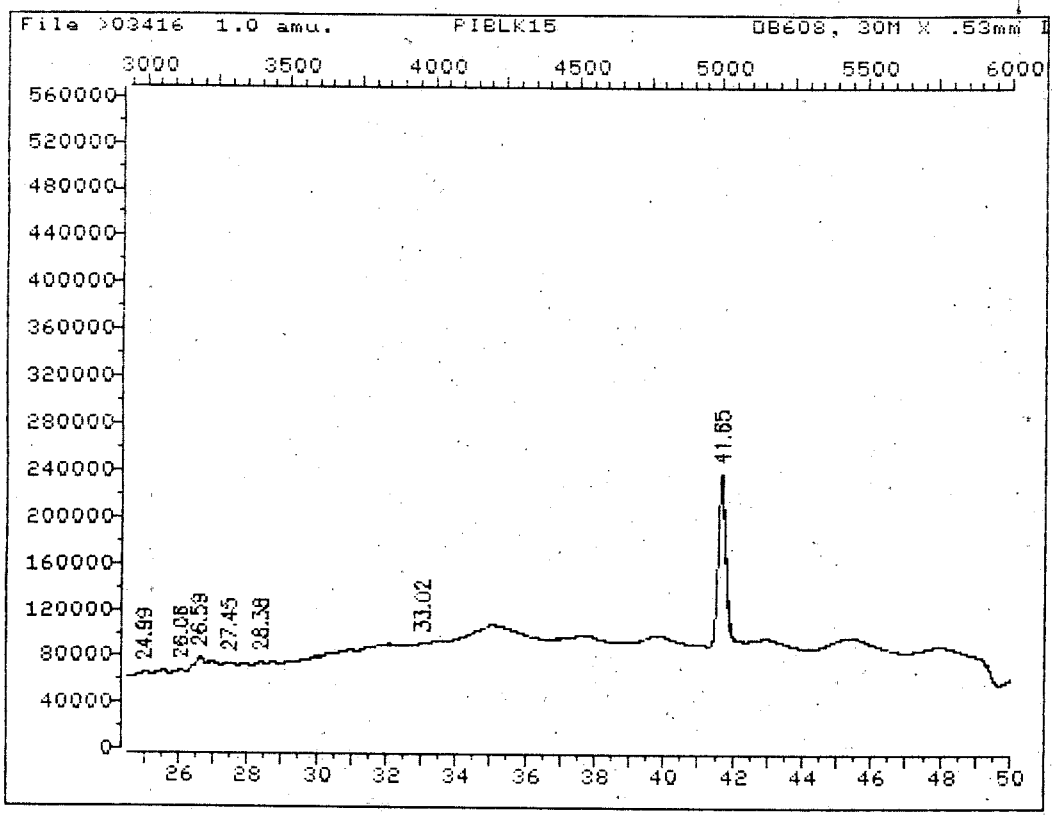
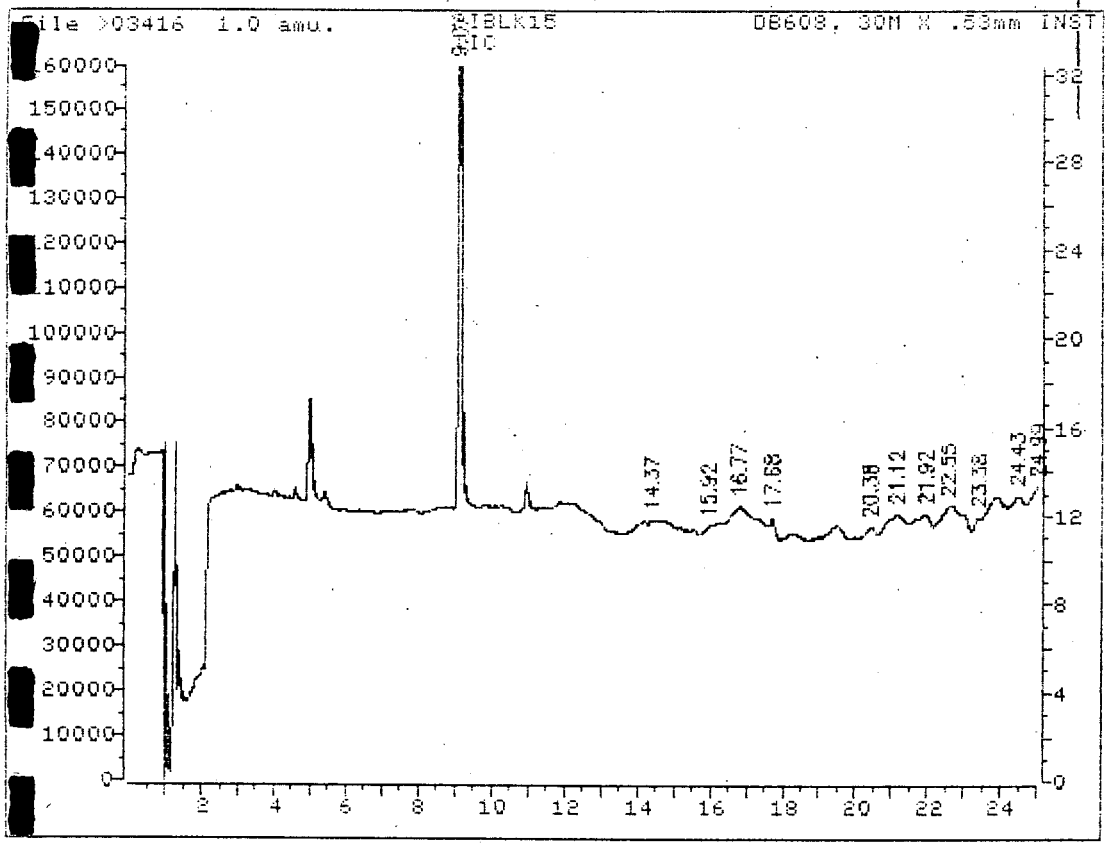


Data File: >03416::G2 Quant Output File: ^03416::GQ
Name: PIBLK15A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 04:47
Injected at: 960718 03:54

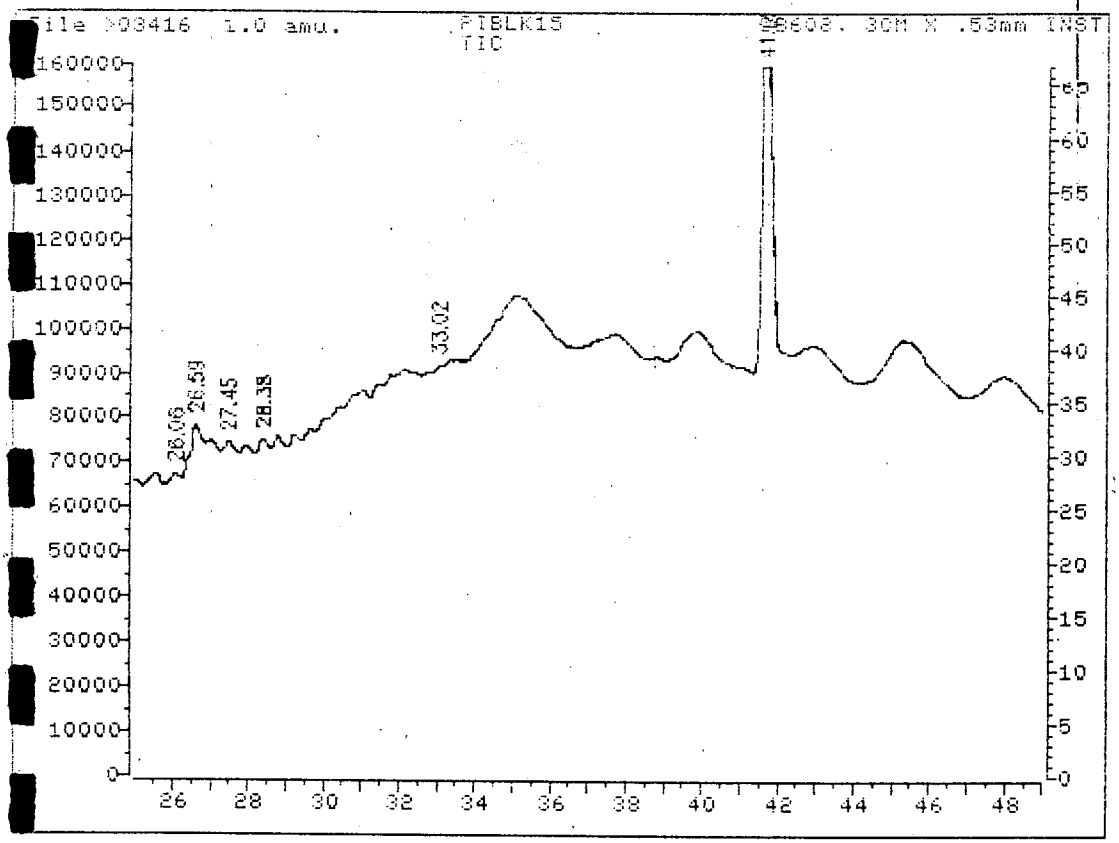
Page 2 of 2



MS data file header from : >03416::G2

Sample: PIBLK15A Operator: TRFI2 7/18/96 3:54
Disc : 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 : >03416::G2

Sample: PIBLK15 A Operator: TRFI2 7/18/96 3:54
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

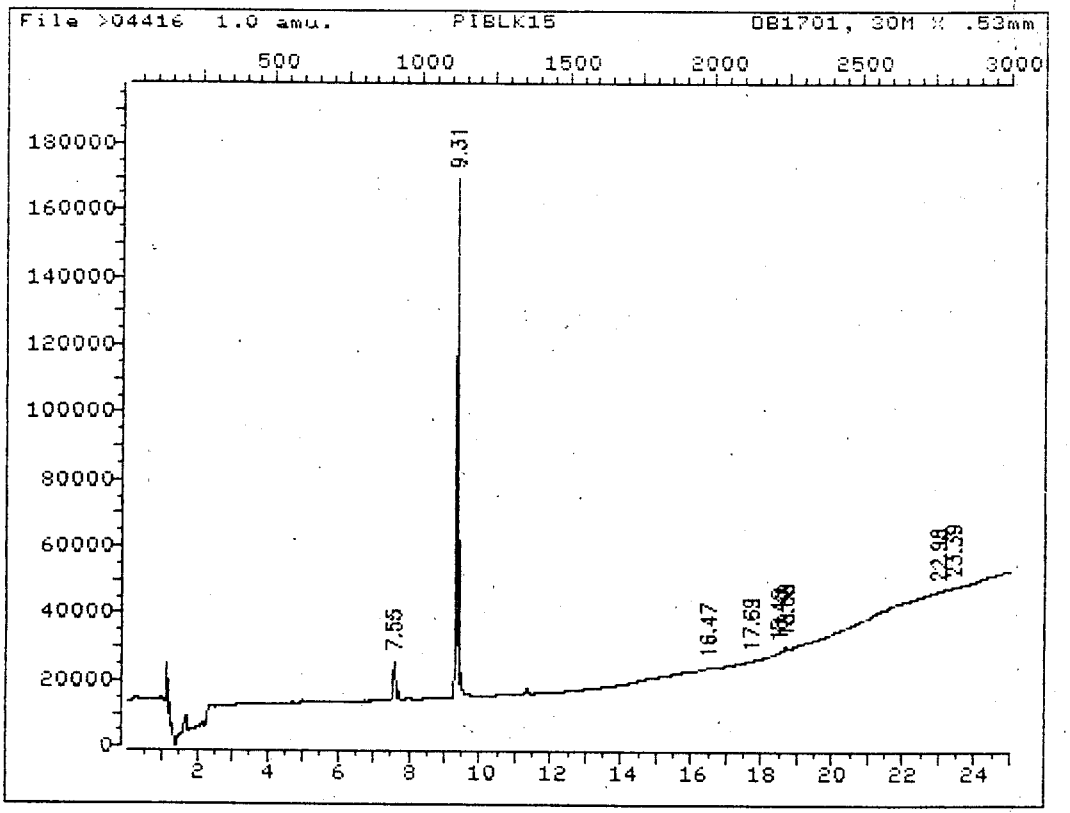
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 04:45
Output File: ^04416::G0 Injected at: 960718 03:54
Data File: >04416::G4 Dilution Factor: 1.00000
Name: PIBLK15A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	830707	20.30	ng/ml	100
3)	~~#beta-BHC~~ NC	18.68	2241	6741	.269	ng/ml	100
7)	~~#Aldrin~~ NC	17.69	2123	19612	.524	ng/ml	100
10)	~~#Dieldrin~~ NC	23.39	2807	17234	.537	ng/ml	100
13)	~~#Endosulfan II~~ NC	26.64	3196	47822	1.40	ng/ml	100
14)	~~#4,4'-DDD~~ NC	26.64	3196	80852	4.21	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	905666	19.75	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	62441	81.69	ng/ml	100
25)	~~#Aroclor-1232~~(1) NP	7.55	906	62441	56.57	ng/ml	100
32)	#~~Toxaphene~~(3) NP	30.30	3636	27637	51.24	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.47	1977	15575	10.49	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.48	2217	27637	14.14	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.47	1977	15575	13.61	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.48	2217	27637	11.42	ng/ml	100
53)	~~#Aroclor-1254(4)~~ NP	22.98	2757	35743	13.76	ng/ml	100

Compound uses ESTD

EPuu
7/22/96

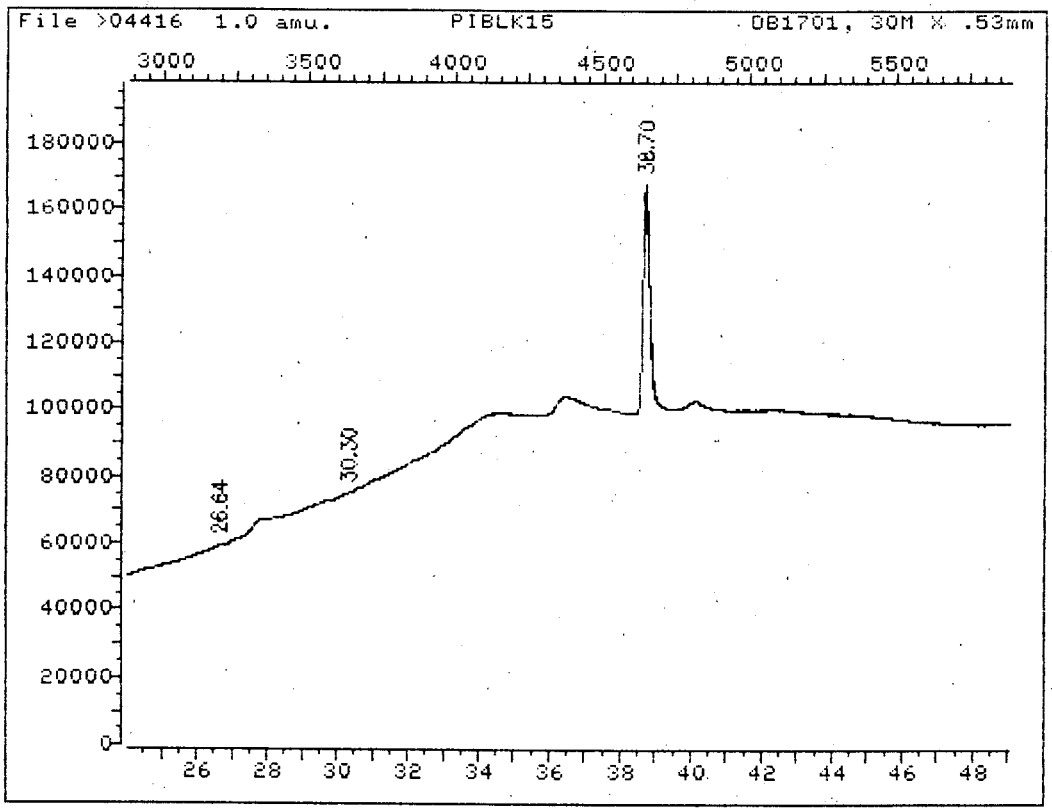


Data File: >04416::G4 Quant Output File: ^04416::GQ
Name: PIBLK15A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 04:45
Injected at: 960718 03:54

Page 1 of 2

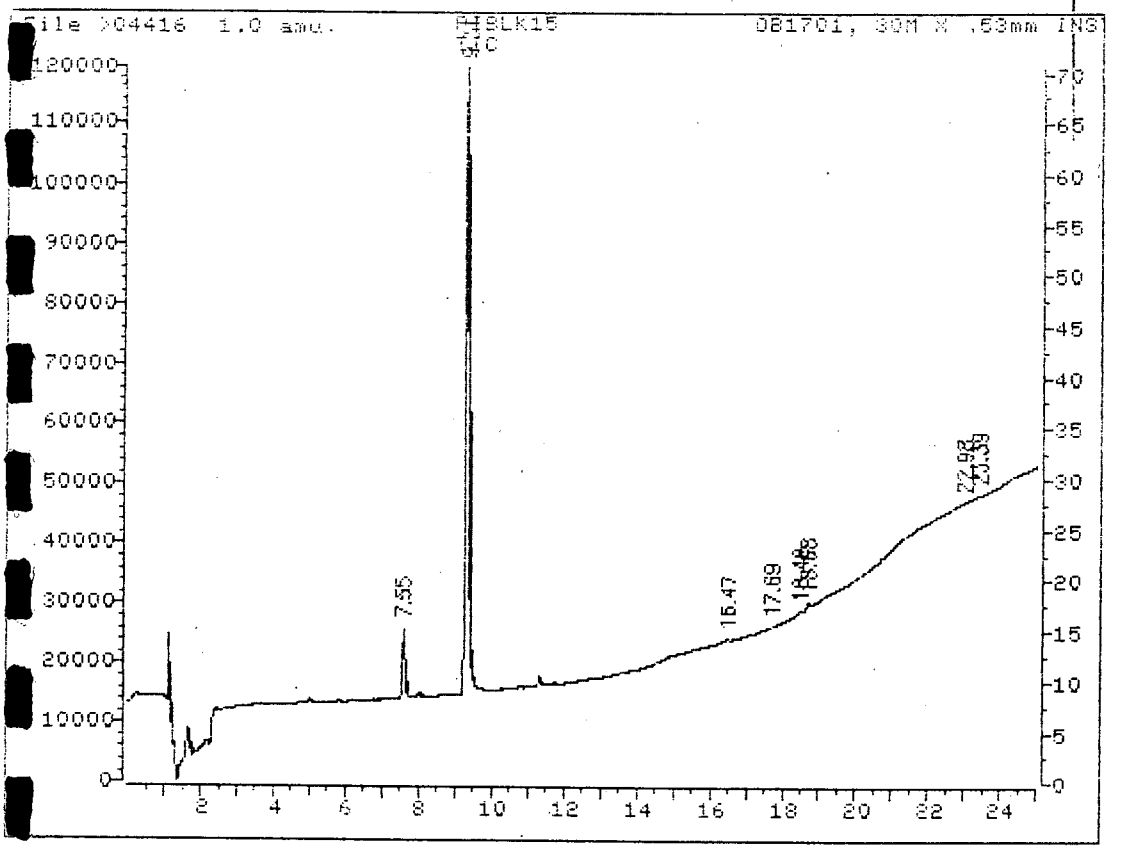


Data File: >04416::G4 Quant Output File: ^04416::GQ
Name: PIBLK15 A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 04:45
Injected at: 960718 03:54

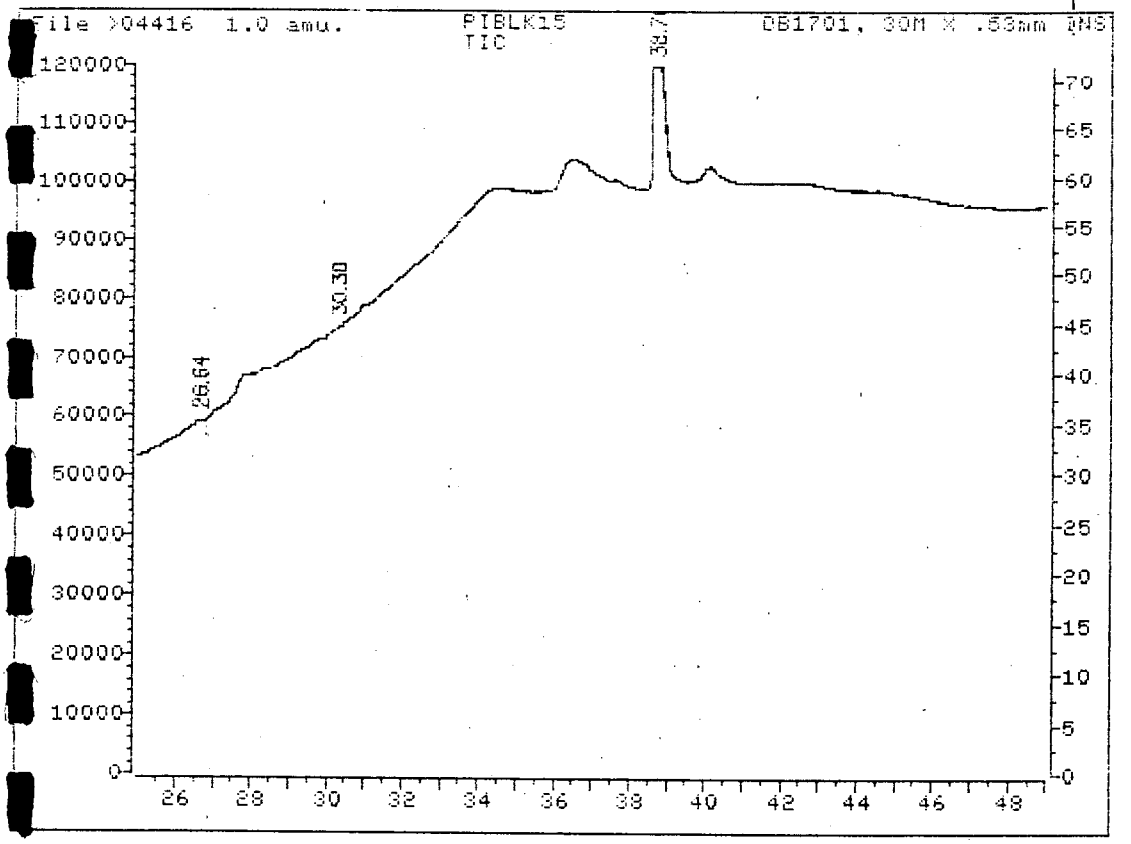
Page 2 of 2



MS data file header from : >04416::G4

Sample: PIBLK15A Operator: TRFI2 7/18/96 3:54
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 : >04416::G4

Sample: PIBLK15A Operator: TRFI2 7/18/96 3:54
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK16 A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK16

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03425

% Moisture: _____ decanted: (Y/N)___ Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/22/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	.025	U
319-85-7	beta-BHC	.025	U
319-86-8	delta-BHC	.025	U
58-89-9	gamma-BHC (Lindane)	.025	U
76-44-8	Heptachlor	.025	U
309-00-2	Aldrin	.025	U
1024-57-3	Heptachlor epoxide	.025	U
959-98-8	Endosulfan I	.025	U
60-57-1	Dieldrin	.050	U
72-55-9	4,4'-DDE	.050	U
72-20-8	Endrin	.050	U
33213-65-9	Endosulfan II	.050	U
72-54-8	4,4'-DDD	.050	U
1031-07-8	Endosulfan Sulfate	.050	U
50-29-3	4,4'-DDT	.050	U
72-43-5	Methoxychlor	.25	U
53494-70-5	Endrin ketone	.050	U
7421-93-4	Endrin aldehyde	.050	U
5103-71-9	alpha-Chlordane	.025	U
5103-74-2	gamma-Chlordane	.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	.50	U
53469-21-9	Aroclor-1242	.50	U
12672-29-6	Aroclor-1248	.50	U
11097-69-1	Aroclor-1254	.50	U
11096-82-5	Aroclor-1260	.50	U

QUANT REPORT

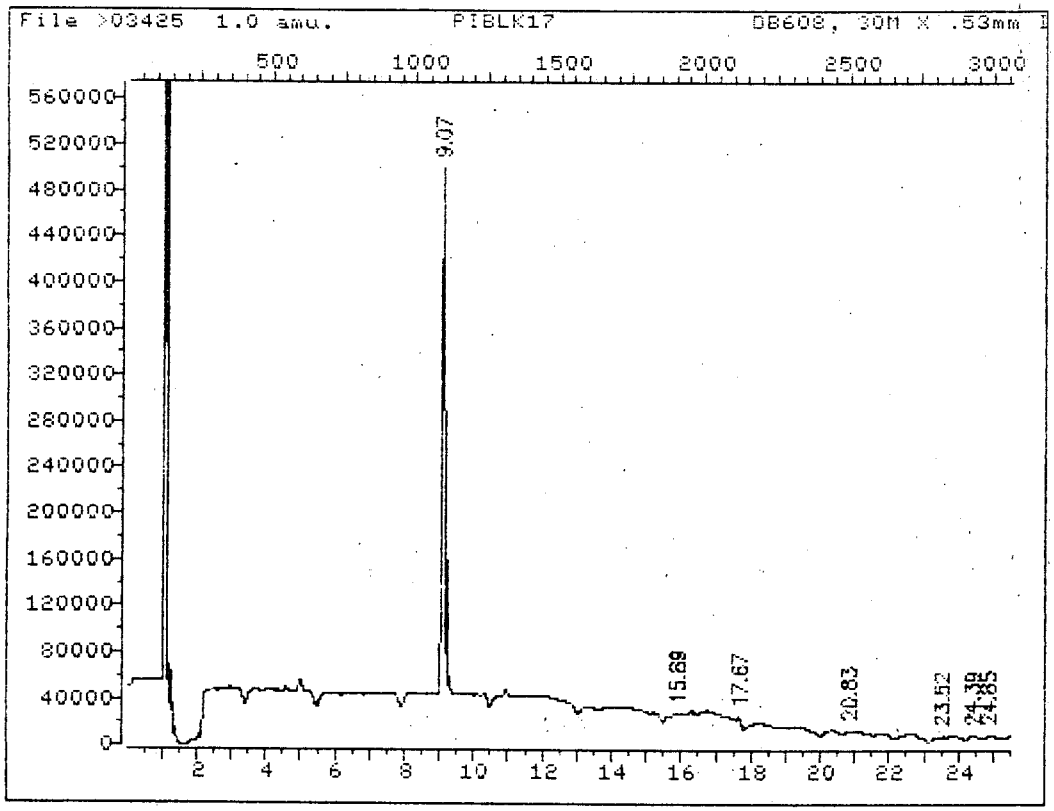
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 09:21
Output File: ^03425::GQ Injected at: 960722 08:28
Data File: >03425::G2 Dilution Factor: 1.00000
Name: PIBLK~~17~~ 16A EP Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903. 1ul INJ

CD 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	2596020	21.70	ng/ml	100
6)	~~#Heptachlor~~ NC	15.89	1907	135767	1.29	ng/ml	100
12)	~~#Endrin~~ NC	24.85	2982	20950	.240	ng/ml	100
14)	~~#4,4' DDD~~ IW	25.51	3061	39502	.640	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.27	3392	66418	.755	ng/ml	100
18)	~~#Endrin ketone~~ <1/2 CRQL	32.70	3924	8763	.0945	ng/ml	100
19)	#Decachlorobiphenyl	41.61	4993	2497005	21.60	ng/ml	100
21)	~~#gamma-Chlordane~~ NC	20.83	2499	12906	.107	ng/ml	100
22)	~~#Toxaphene(1)~~ ND	23.52	2822	8734	5.47	ng/ml	100
27)	~~#Aroclor-1248(1)~~ ND	15.89	1907	135767	18.02	ng/ml	100
28)	~~#Aroclor-1254(1)~~ ND	20.83	2499	12174	2.45	ng/ml	100
29)	~~#Aroclor-1260(1)~~ ND	24.39	2927	52313	8.17	ng/ml	100
32)	~~#Toxaphene(3)~~ ND	28.27	3392	66418	31.31	ng/ml	100
35)	~~#Aroclor-1016(3)~~ ND	15.89	1907	135767	12.15	ng/ml	100
41)	~~#Aroclor-1232(3)~~ ND	15.89	1907	135767	29.09	ng/ml	100
44)	~~#Aroclor-1242(3)~~ ND	15.89	1907	135767	15.31	ng/ml	100
47)	~~#Aroclor-1248(2)~~ ND	17.67	2120	58921	18.45	ng/ml	100
53)	~~#Aroclor-1254(4)~~ ND	23.52	2822	8734	1.35	ng/ml	100
54)	~~#Aroclor-1254(5)~~ ND	24.85	2982	20950	5.73	ng/ml	100
55)	~~#Aroclor-1260(2)~~ ND	24.85	2982	20950	2.94	ng/ml	100

Compound uses ESTD

EPui
9/23/96



Data File: >03425::G2 Quant Output File: ^03425::GQ
Name: PIBLK~~17~~16AEP 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 : 960722 09:21
Injected at: 960722 08:28

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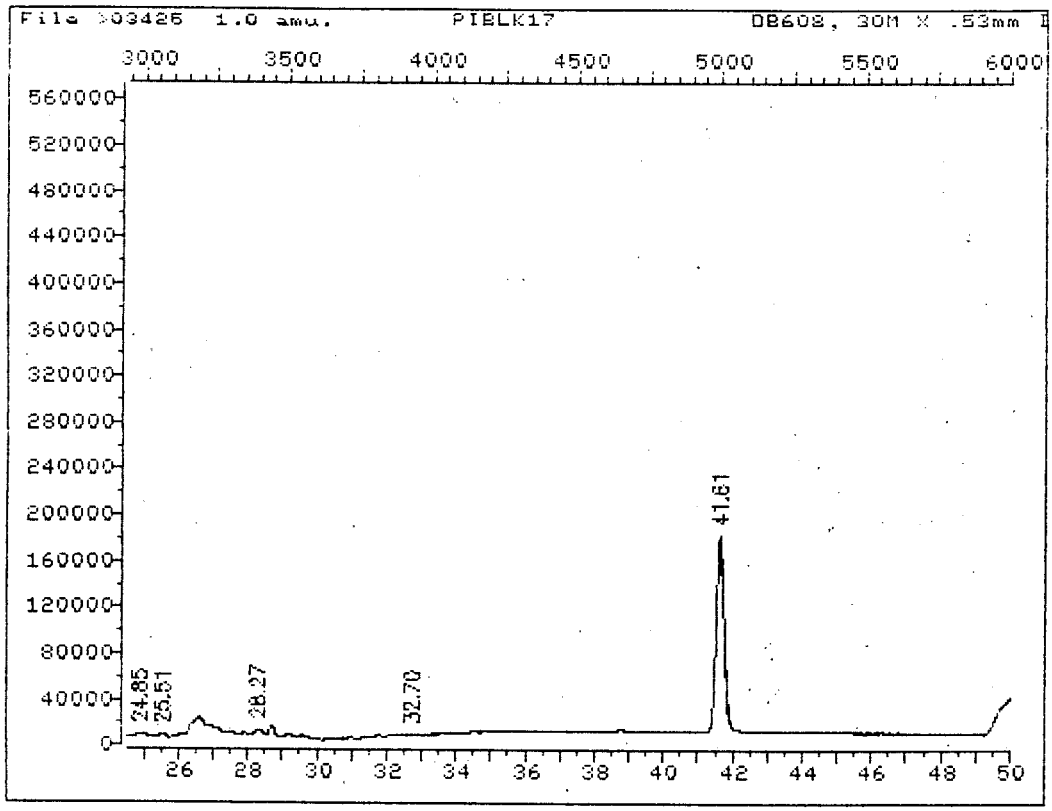

Data File: >03425::G2 Quant Output File: ^03425::GQ
Name: PIBLK~~17~~16EP Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 : 960722 09:21
Injected at: 960722 08:28

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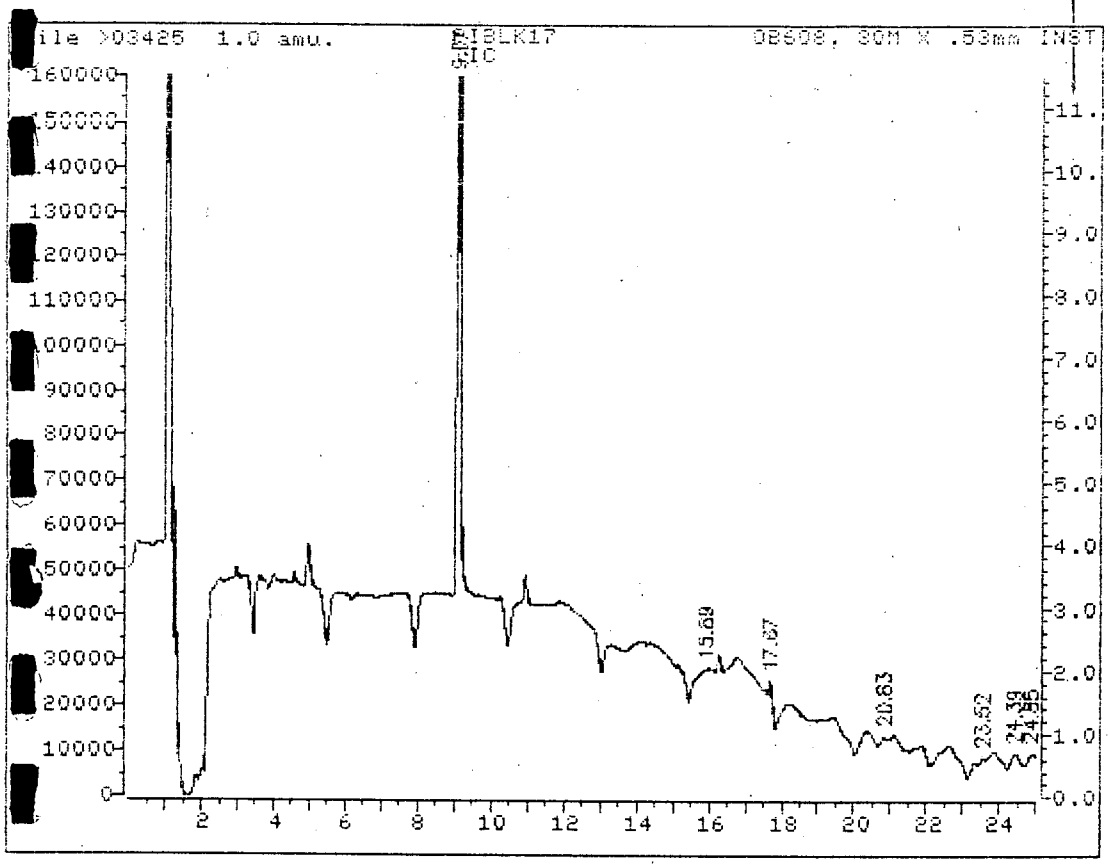
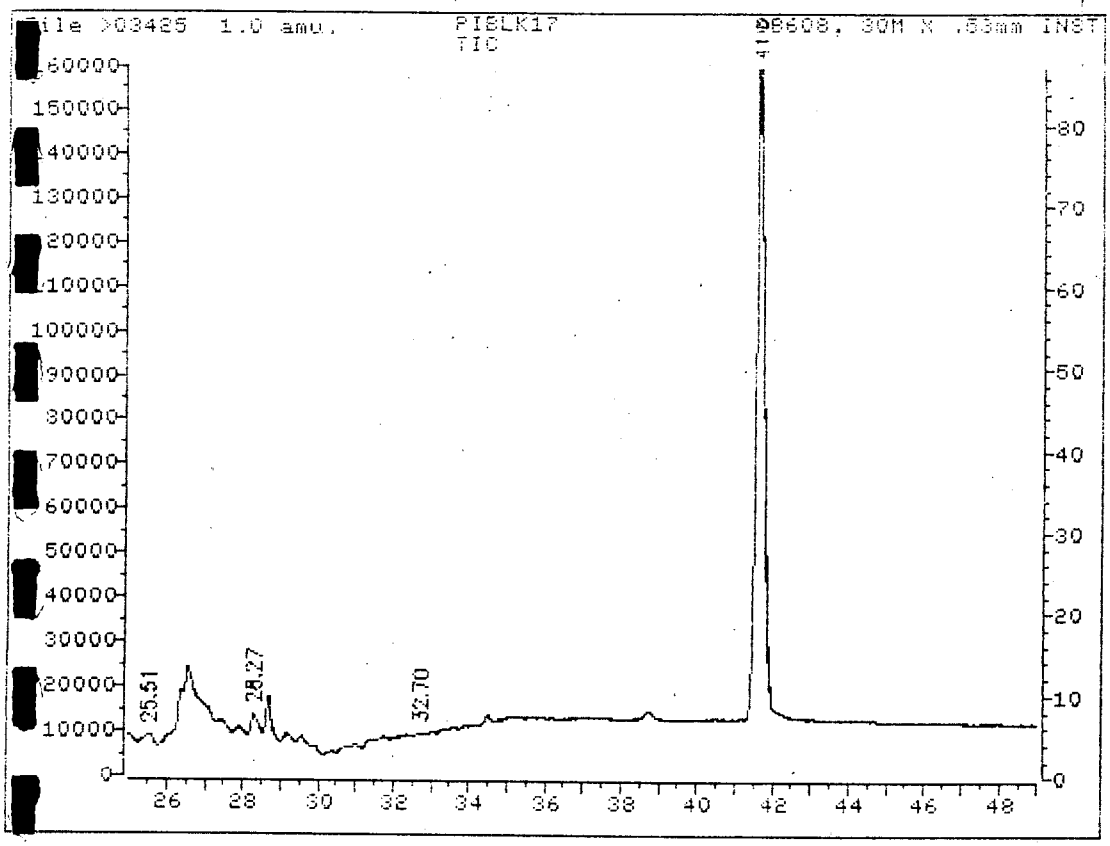


MS data file header from : >03425::G2

Sample: PIBLK~~17~~/6AEO Operator: TRFI2 7/22/96 8:28
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Cvs. #: 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 : >03425::G2

Sample: PIBLK~~17~~/6A Ep Operator: TRFI2 7/22/96 8:28
Disc : 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

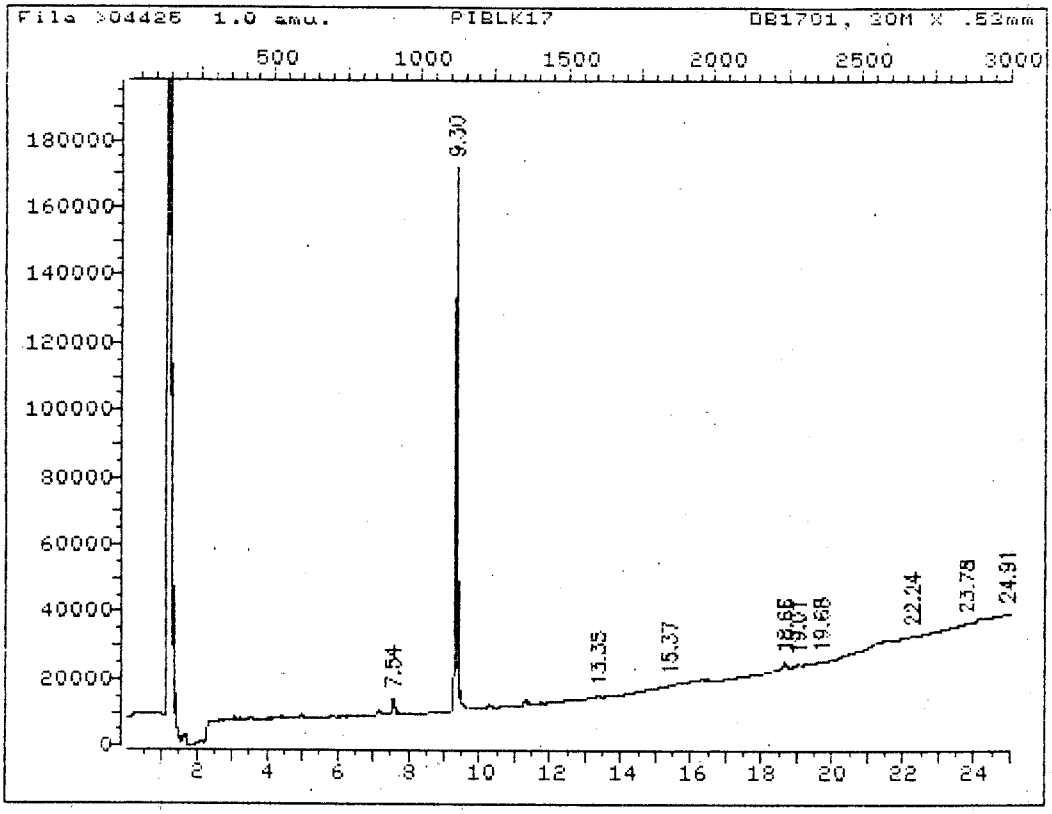
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 09:19
Output File: ^04425::GQ Injected at: 960722 08:28
Data File: >04425::G4 Dilution Factor: 1.00000
Name: PIBLK~~17~~ 16tcp Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 588903, 1ul INJ

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	886841	21.68	ng/ml	100
2)	~~#alpha-BHC~~ OW	13.35	1602	6311	.194	ng/ml	100
3)	~~#beta-BHC~~ UC	18.66	2239	66639	2.66	ng/ml	100
4)	~~#delta-BHC~~ UC	19.68	2362	5200	.198	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~ OW	15.37	1845	16715	.491	ng/ml	100
17)	~~#Methoxychlor~~ UC	30.87	3704	129172	9.65	ng/ml	100
18)	~~#Endrin ketone~~ < 1/2 CRQL	32.90	3948	86093	2.71	ng/ml	100
19)	#Decachlorobiphenyl	38.66	4639	979185	21.35	ng/ml	100
20)	~~#alpha-Chlordane~~ OW	22.24	2669	11850	.284	ng/ml	100
24)	~~#Aroclor-1221(1)~~ ND	7.54	905	26213	34.29	ng/ml	100
25)	~~#Aroclor-1232(1)~~ ND	7.54	905	26213	23.75	ng/ml	100
29)	~~#Aroclor-1260(1)~~ ND	23.78	2854	12870	5.19	ng/ml	100
37)	~~#Aroclor-1016(5)~~ ND	18.66	2239	71447	36.56	ng/ml	100
48)	~~#Aroclor-1248(3)~~ ND	18.66	2239	71447	29.52	ng/ml	100
49)	~~#Aroclor-1248(4)~~ ND	19.01	2281	5325	2.91	ng/ml	100
54)	~~#Aroclor-1254(5)~~ ND	23.78	2854	12870	9.05	ng/ml	100
55)	~~#Aroclor-1260(2)~~ ND	24.91	2989	8205	2.87	ng/ml	100

Compound uses ESTD

EPrice
7/23/96



Data File: >04425::G4 Quant Output File: ^04425::GQ
Name: PIBLK17/6EP Instrument ID: GC04
Misc: DB1701. 30M X .53mm INST 588903, 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 : 960722 09:19
Injected at: 960722 08:28

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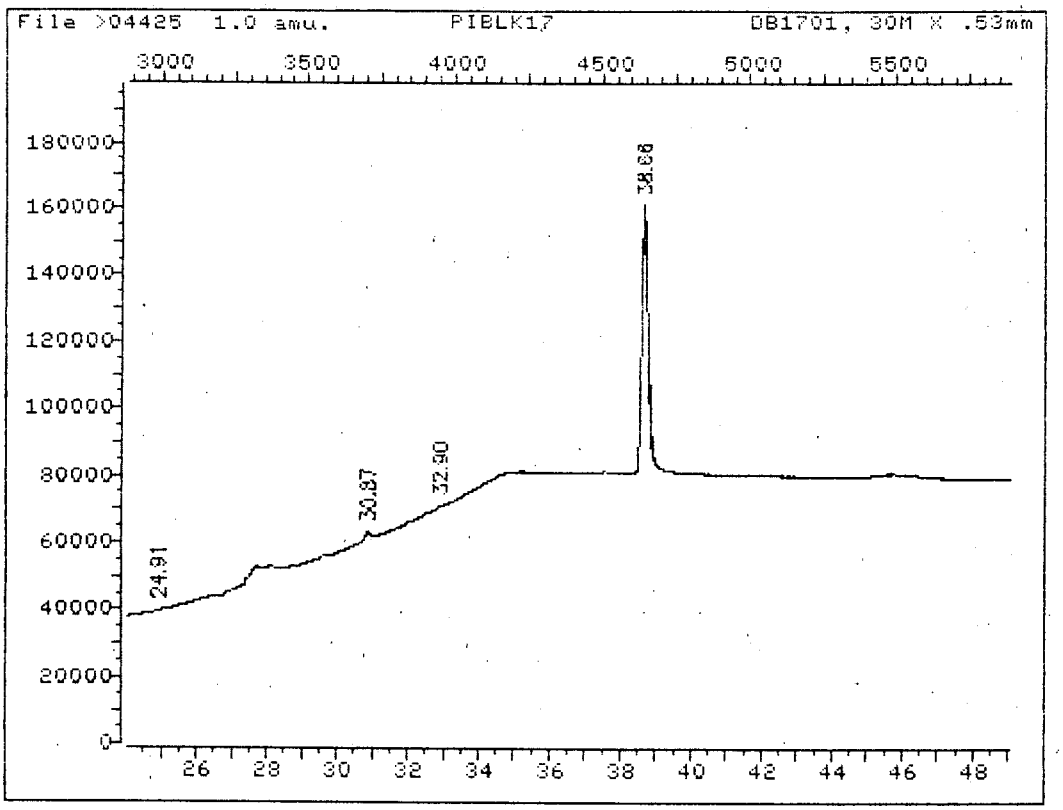

Data File: >04425::G4 Quant Output File: ^04425::GQ
Name: PIBLK~~17~~16AEP Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 588903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960722 09:19
Injected at: 960722 08:28

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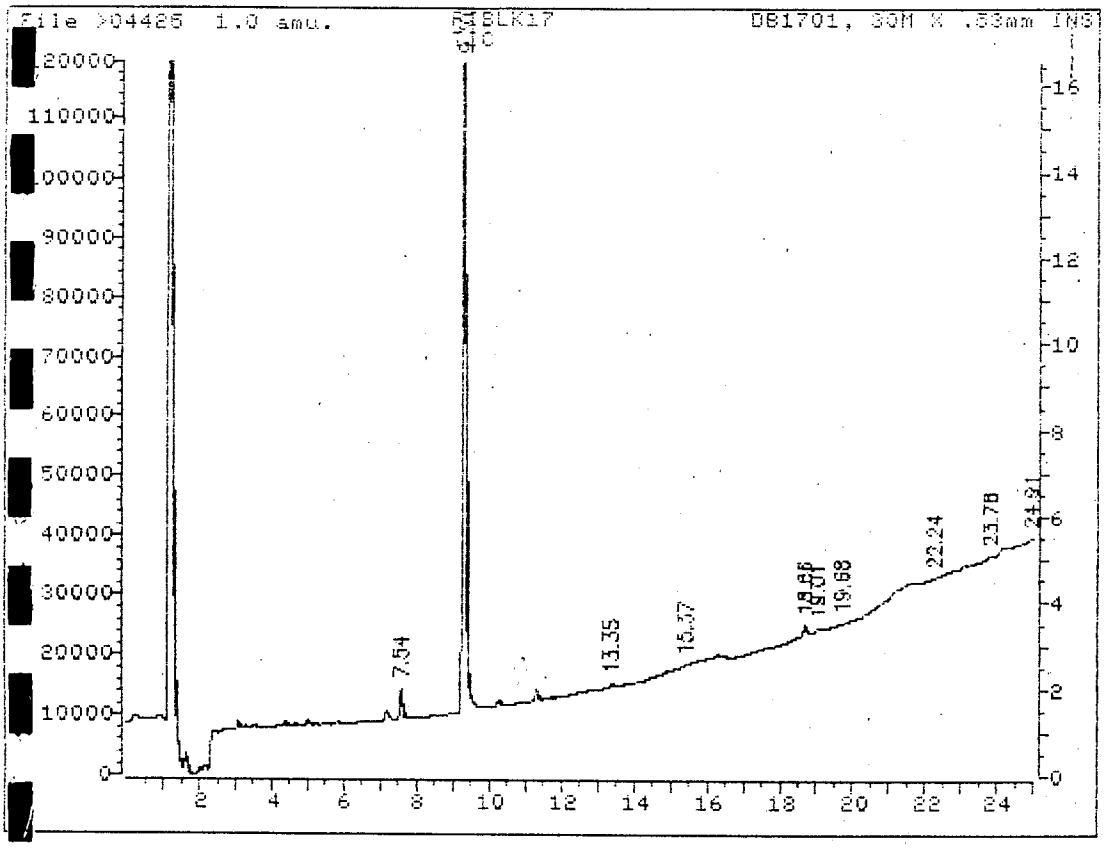
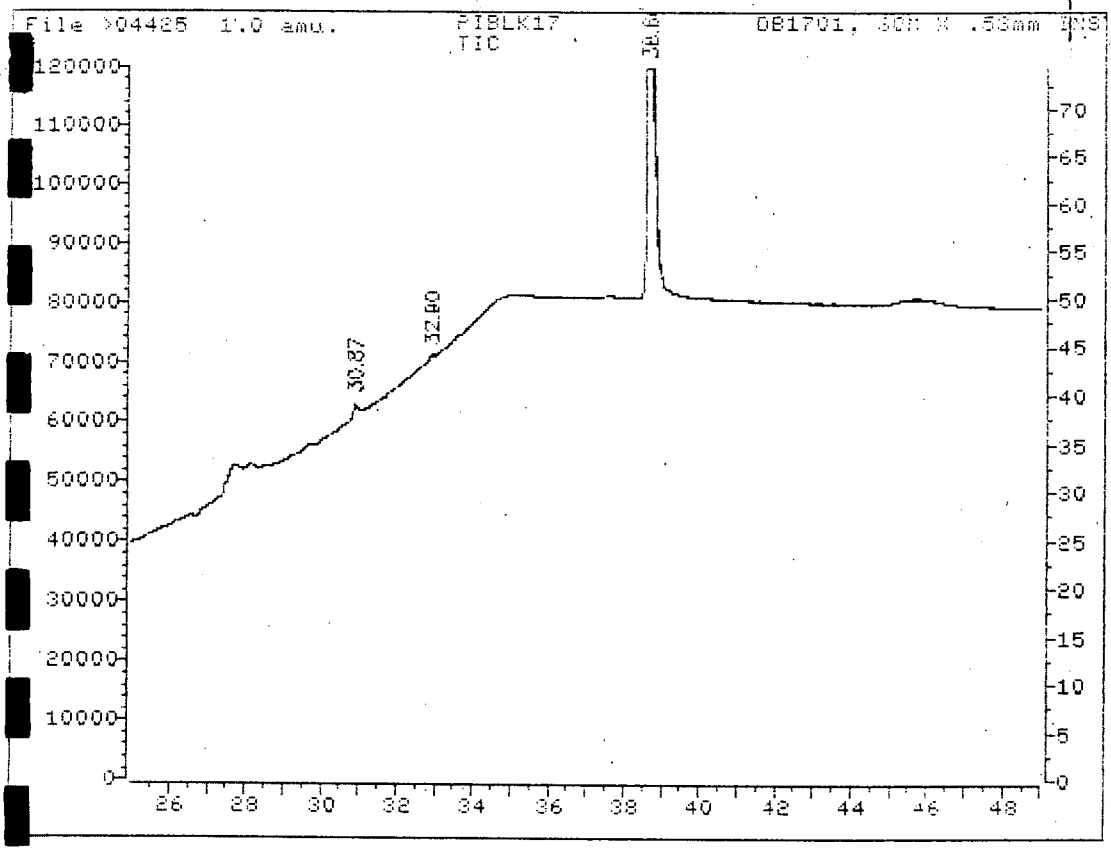


MS data file header from : >04425::G4

Sample: PIBLK~~17~~/6A28 Operator: TRFI2 7/22/96 8:28
Disc : DB1701. 30M X .53mm INST 588903, 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 : >04425::G4

Sample: PIBLK~~17~~/6AEP Operator: TRFI2 7/22/96 8:28
Misc : DB1701, 30M X .53mm INST 588903, 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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK17A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK17

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03434

% Moisture: _____ decanted: (Y/N)___ Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 00/00/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/22/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	.025	U
319-85-7	beta-BHC	.025	U
319-86-8	delta-BHC	.025	U
58-89-9	gamma-BHC (Lindane)	.025	U
76-44-8	Heptachlor	.025	U
309-00-2	Aldrin	.025	U
1024-57-3	Heptachlor epoxide	.025	U
959-98-8	Endosulfan I	.025	U
60-57-1	Dieldrin	.050	U
72-55-9	4,4'-DDE	.050	U
72-20-8	Endrin	.050	U
33213-65-9	Endosulfan II	.050	U
72-54-8	4,4'-DDD	.050	U
1031-07-8	Endosulfan Sulfate	.050	U
50-29-3	4,4'-DDT	.050	U
72-43-5	Methoxychlor	.25	U
53494-70-5	Endrin ketone	.050	U
7421-93-4	Endrin aldehyde	.050	U
5103-71-9	alpha-Chlordane	.025	U
5103-74-2	gamma-Chlordane	.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	.50	U
53469-21-9	Aroclor-1242	.50	U
12672-29-6	Aroclor-1248	.50	U
11097-69-1	Aroclor-1254	.50	U
11096-82-5	Aroclor-1260	.50	U

QUANT REPORT

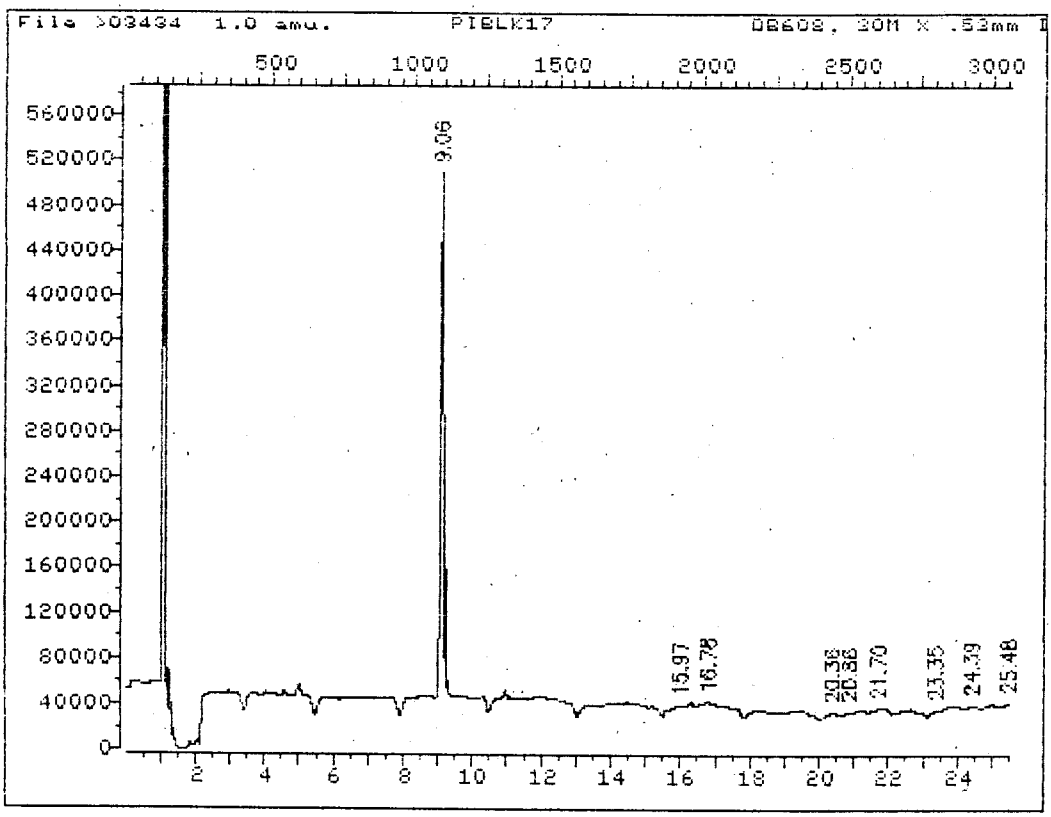
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960722 18:24
Output File: ^03434::GQ Injected at: 960722 17:28
Data File: >03434::G2 Dilution Factor: 1.00000
Name: PIBLK17A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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	9.06	1087	2672505	22.34	ng/ml	100
6)	#~~Heptachlor~~ OW	15.97	1917	198019	1.88	ng/ml	100
9)	#~~Endosulfan~~ I OW	21.70	2604	23173	.218	ng/ml	100
14)	#~~4,4'-DDD~~ OW	25.48	3057	38728	.627	ng/ml	100
15)	#~~Endosulfan Sulfate~~ UC	28.30	3396	77983	.887	ng/ml	100
19)	#Decachlorobiphenyl	41.61	4993	2239891	19.37	ng/ml	100
20)	#~~alpha-Chlordane~~ OW	21.70	2604	23173	.192	ng/ml	100
21)	#~~gamma-Chlordane~~ OW	20.86	2503	14299	.118	ng/ml	100
27)	#~~Aroclor 1248(1)~~ UP	15.97	1917	198019	26.29	ng/ml	100
28)	#~~Aroclor 1254(1)~~ UP	20.86	2503	19671	3.95	ng/ml	100
29)	#~~Aroclor 1260(1)~~ UP	24.39	2927	20084	3.14	ng/ml	100
30)	#~~Endrin aldehyde~~ OW	27.44	3292	11098	.137	ng/ml	100
31)	#~~Toxaphene(2)~~ UP	27.44	3292	11098	6.64	ng/ml	100
32)	#~~Toxaphene(3)~~ UP	28.30	3396	77983	36.77	ng/ml	100
33)	#~~Toxaphene(4)~~ UP	30.34	3640	12562	6.43	ng/ml	100
35)	#~~Aroclor 1016(3)~~ UP	15.97	1917	198019	17.72	ng/ml	100
36)	#~~Aroclor 1016(4)~~ UP	16.78	2014	49952	12.98	ng/ml	100
41)	#~~Aroclor 1232(3)~~ UP	15.97	1917	198019	42.43	ng/ml	100
42)	#~~Aroclor 1232(4)~~ UP	16.78	2014	49952	28.58	ng/ml	100
44)	#~~Aroclor 1242(3)~~ UP	15.97	1917	198019	22.33	ng/ml	100
45)	#~~Aroclor 1242(4)~~ UP	16.78	2014	49952	15.09	ng/ml	100
49)	#~~Aroclor 1248(4)~~ UP	20.36	2443	149856	36.48	ng/ml	100
50)	#~~Aroclor 1248(5)~~ UP	21.70	2604	23173	5.29	ng/ml	100
53)	#~~Aroclor 1254(4)~~ UP	23.35	2802	42578	6.59	ng/ml	100

Compound uses ESTD

EPuci
7/23/96



Data File: >03434::G2 Quant Output File: ^03434::GQ
Name: PIBLK17A Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 589-03, 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 : 960722 18:24
Injected at: 960722 17:28

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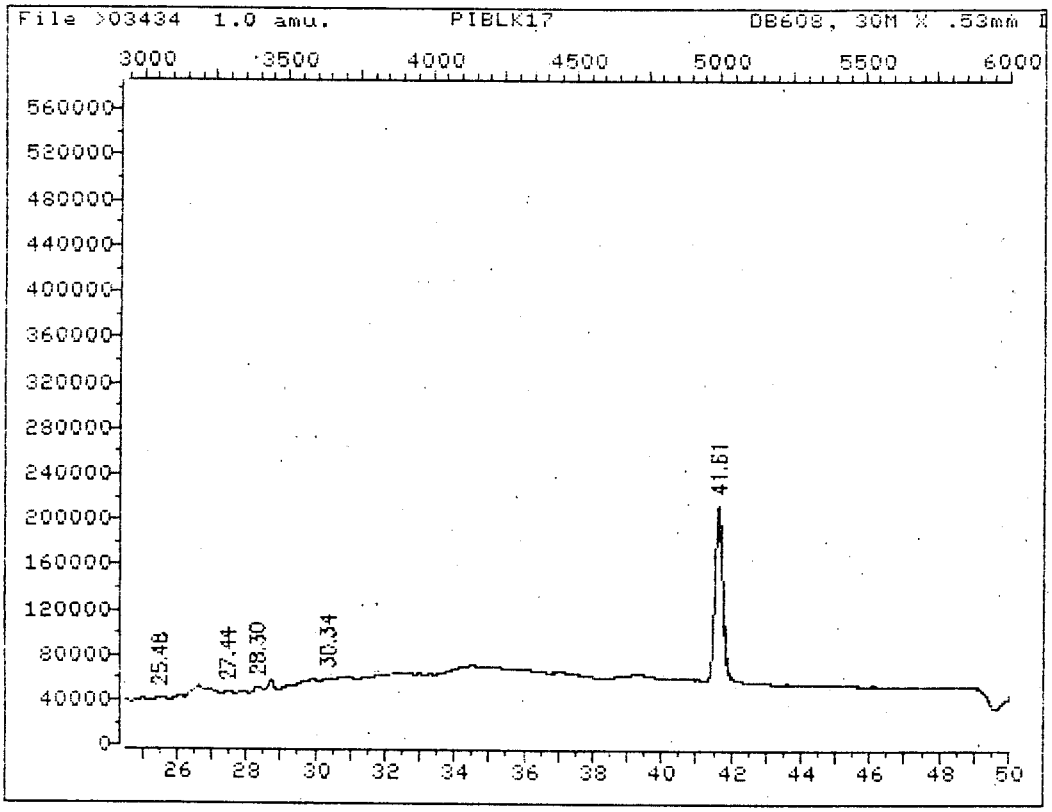
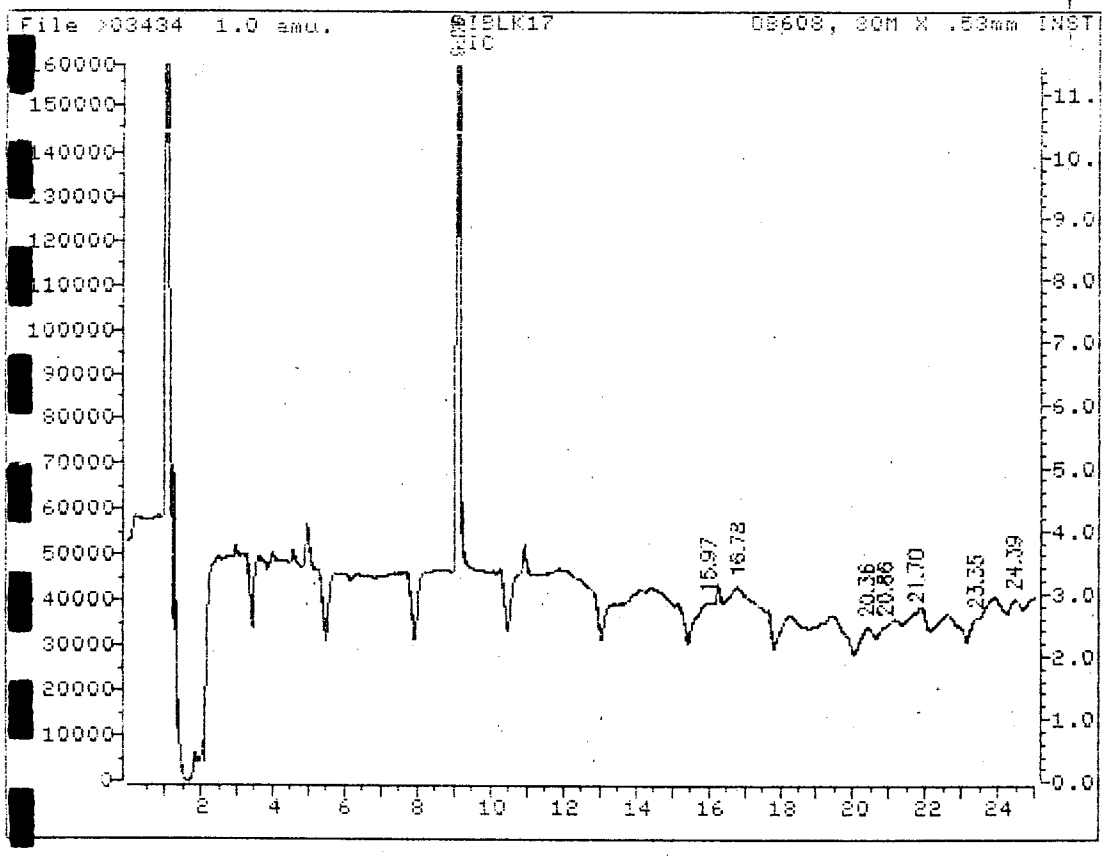


Data File: >03434::G2 Quant Output File: ^03434::GQ
Name: PIBLK17A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 : 960722 18:24
Injected at: 960722 17:28

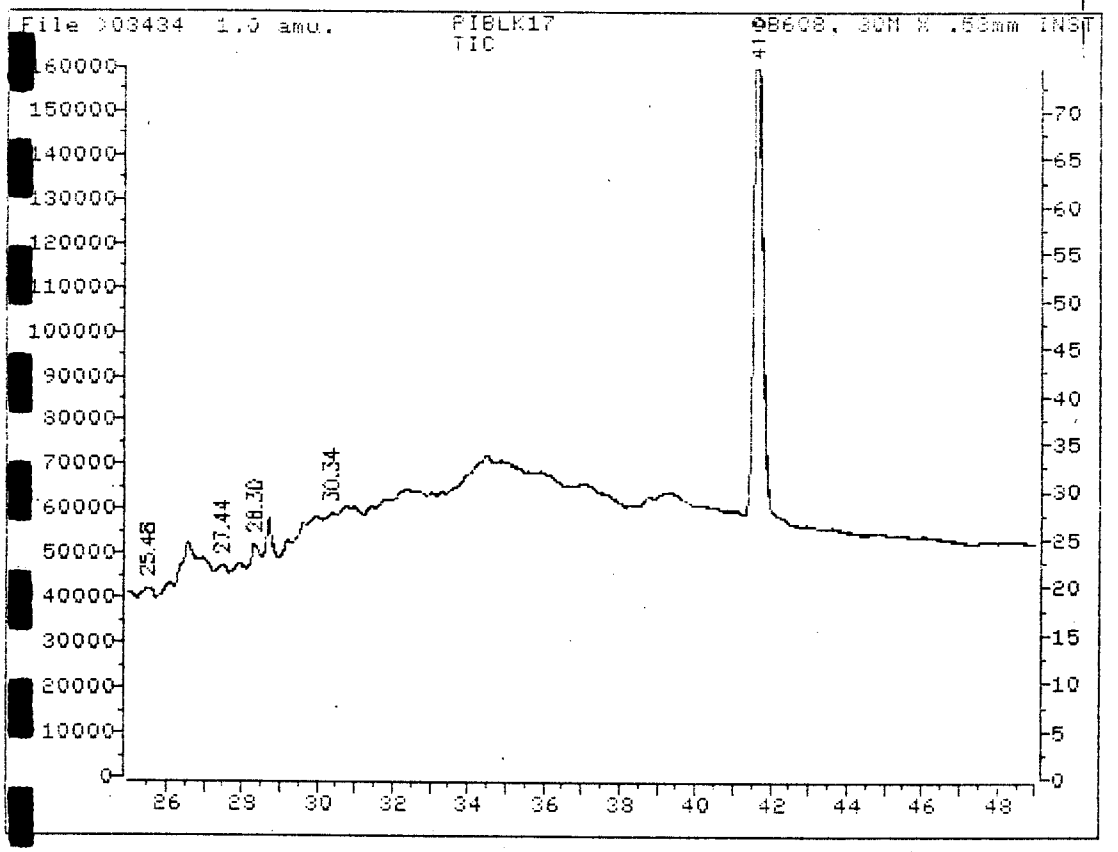
Page 2 of 2



MS data file header from : >03434::G2

Sample: PIBLK17A Operator: TRFI2 7/22/96 17:28
Disc : 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 : >03434::G2

Sample: PIBLK17A Operator: TRFI2 7/22/96 17:28
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: TRFI2
Output File: ^04434::GQ
Data File: >04434::G4
Name: PIBLK17 A
Misc: DB1701 30M X .53mm INST 58903. 1ul INJ

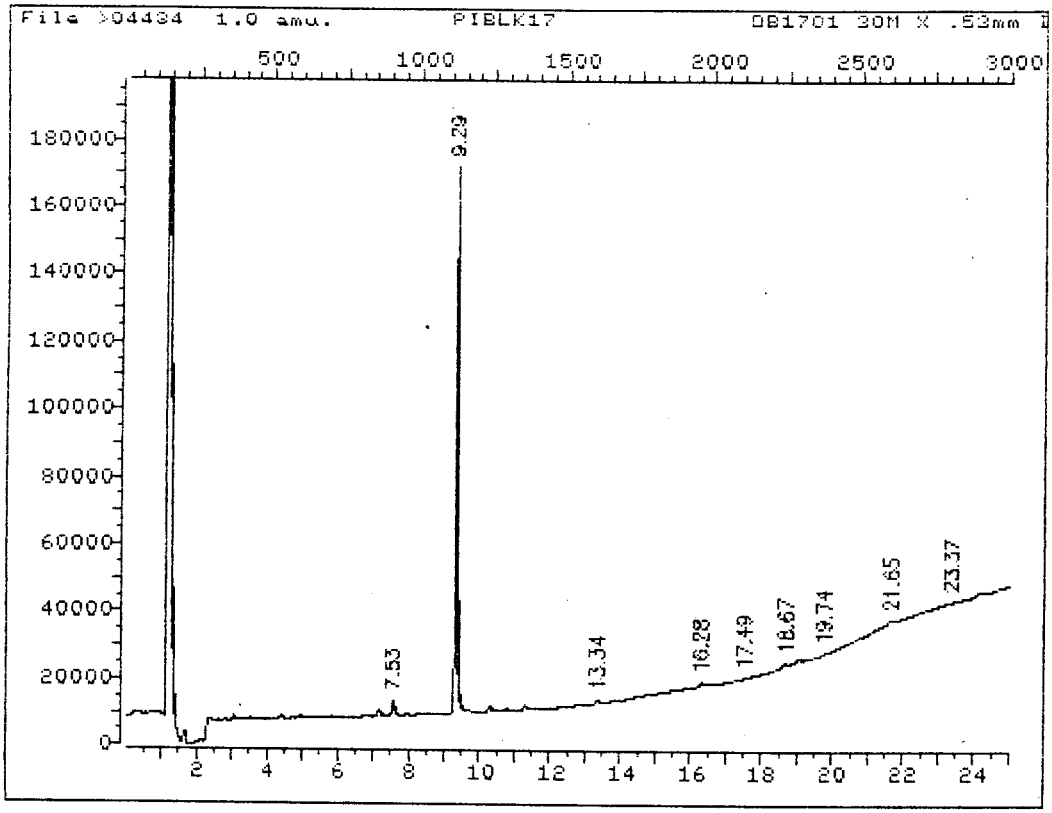
Quant Rev: 7
Quant Time: 960722 18:20
Injected at: 960722 17:28
Dilution Factor: 1.00000
Instrument ID: GC04

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	9.29	1115	887978	21.70	ng/ml	100
2)	~~#alpha-BHC~~ OW	13.34	1601	11618	.357	ng/ml	100
3)	~~#beta-BHC~~ NC	18.67	2240	74116	2.95	ng/ml	100
4)	#~~delta-BHC~~ NC	19.74	2369	30650	1.17	ng/ml	100
6)	~~#Heptachlor~~ NC	16.28	1954	10826	.231	ng/ml	100
7)	~~#Aldrin~~ OW	17.49	2099	25425	.679	ng/ml	100
9)	~~#Endosulfan I~~ OW	21.65	2598	59996	1.72	ng/ml	100
10)	~~#Dieldrin~~ NC	23.37	2804	41296	1.29	ng/ml	100
14)	~~#4,4'-DDD~~ OW	26.44	3172	38199	1.99	ng/ml	100
17)	~~#Methoxychlor~~	30.89	3707	130630	9.76	ng/ml	100
19)	#Decachlorobiphenyl	38.67	4640	937865	20.45	ng/ml	100
24)	~~#Aroclor-1221~~(1) NP	7.53	904	24410	31.93	ng/ml	100
25)	~~#Aroclor-1232~~(1) NP	7.53	904	24410	22.11	ng/ml	100
28)	~~#Aroclor-1254~~(1) NP	17.49	2099	29102	18.35	ng/ml	100
37)	~~#Aroclor-1016~~(5) NP	18.67	2240	84673	43.33	ng/ml	100
46)	~~#Aroclor-1242~~(5) NP	17.49	2099	29102	34.04	ng/ml	100
48)	~~#Aroclor-1248~~(7) NP	18.67	2240	84673	34.98	ng/ml	100

Compound uses ESTD

EPrice
7/23/96

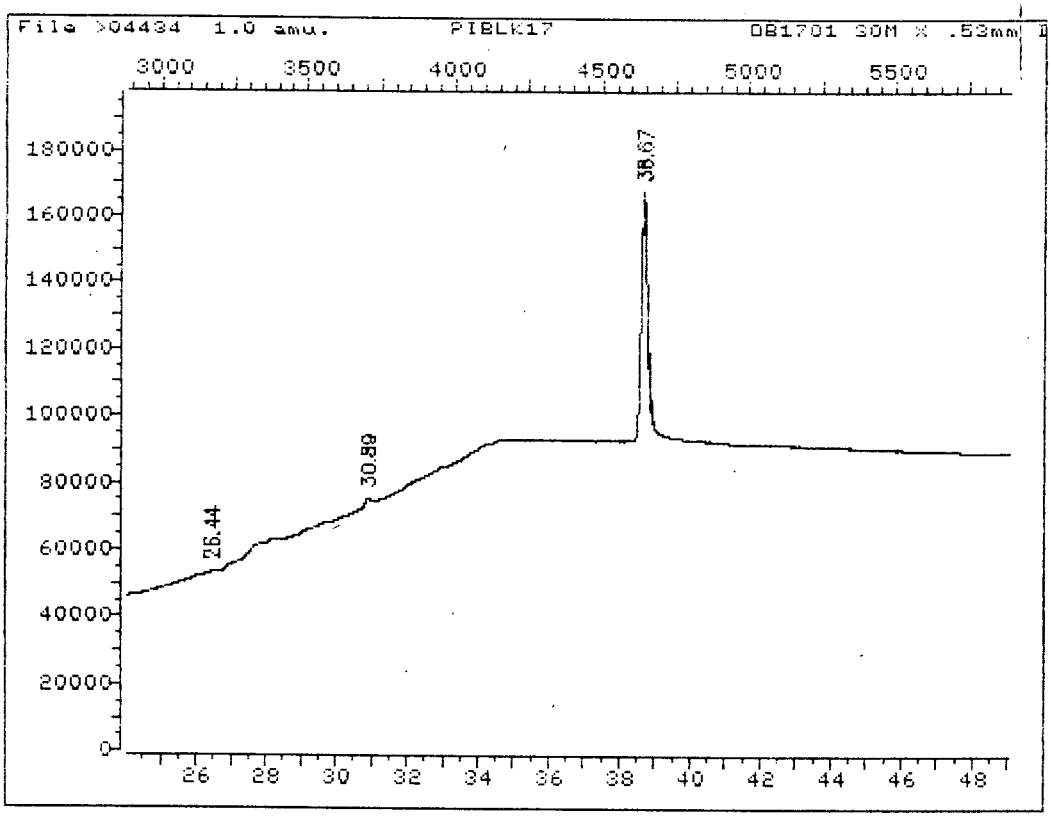


Data File: >04434::G4 Quant Output File: ^04434::GQ
Name: PIBLK17A Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960722 18:20
Injected at: 960722 17:28

Page 1 of 2

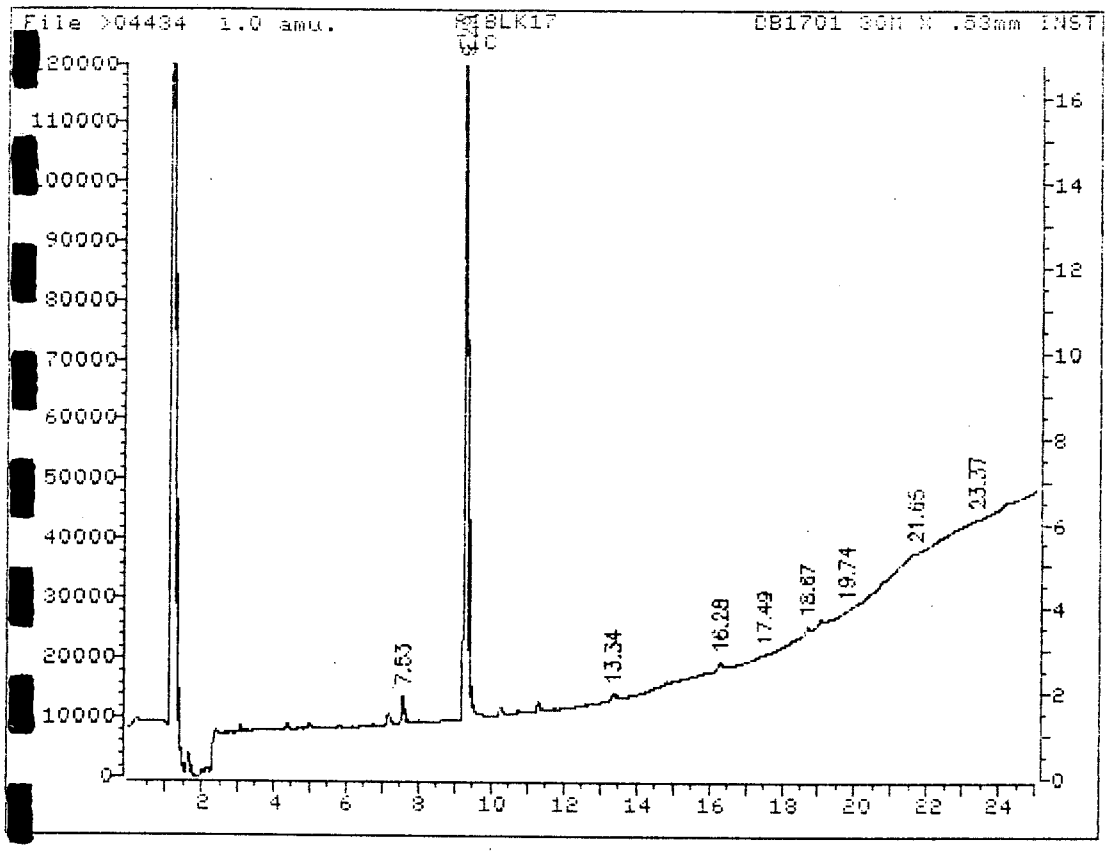


Data File: >04434::G4 Quant Output File: ^04434::GQ
Name: PIBLK17A Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960722 18:20
Injected at: 960722 17:28

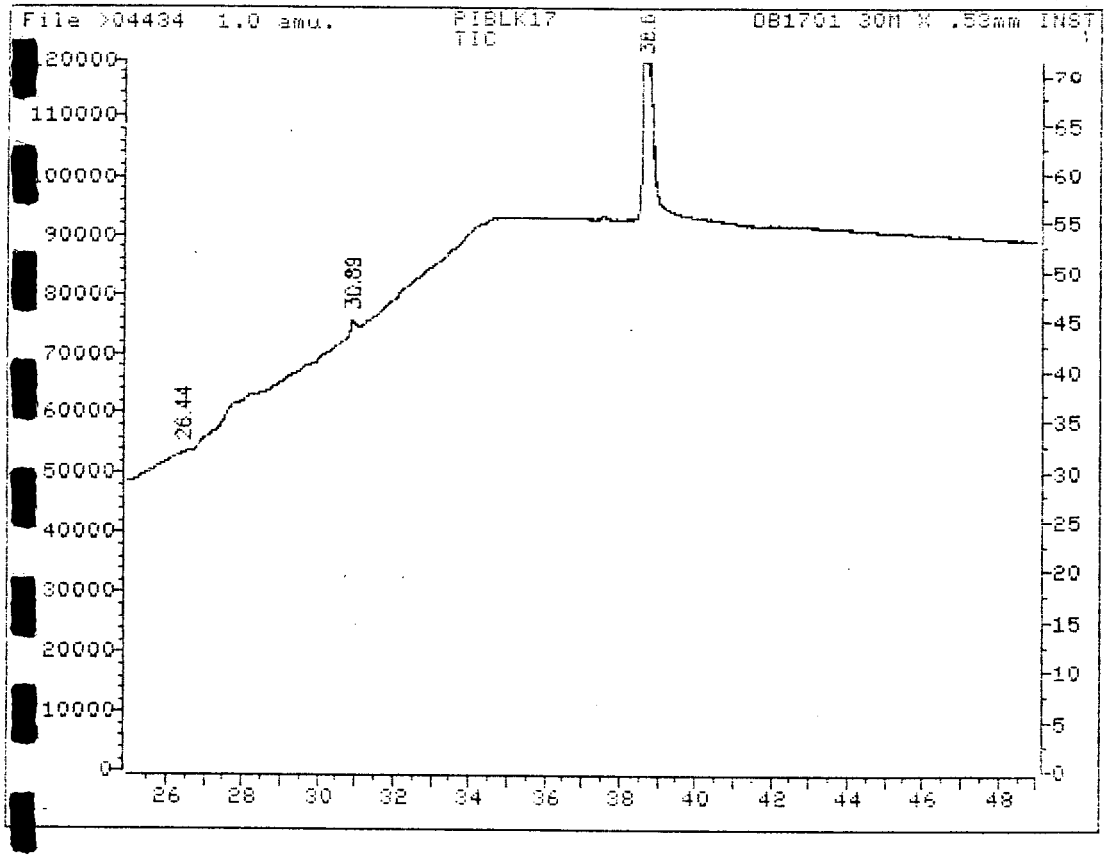
Page 2 of 2



MS data file header from : >04434::G4

Sample: PIBLK17A Operator: TRFI2 7/22/96 17:28
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 : >04434::G4

Sample: PIBLK17A Operator: TRFI2 7/22/96 17:28
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN1AMS

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: 238543

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03152

% Moisture: _____ decanted: (Y/N)___ Date Received: 06/28/96

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

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.37	
76-44-8	Heptachlor	.45	P
309-00-2	Aldrin	.41	
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.92	
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.93	
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.89	
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
7421-93-4	Endrin aldehyde	.10	U
5103-71-9	alpha-Chlordane	.050	U
5103-74-2	gamma-Chlordane	.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

QUANT REPORT

Operator ID: TRFIL
Output File: ^03152::F3
Data File: >03152::G3
Name: 238543 MS
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 16:22
Injected at: 960706 15:29
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	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2370437	18.94	ng/ml	100
3)	~~#beta-BHC~~ UT	14.71	1765	321971	3.92	ng/ml	100
4)	~~#delta-BHC~~ UT	16.62	1995	24414	.202	ng/ml	100
5)	#gamma-BHC (Lindane)	14.36	1723	5058184	37.01	ng/ml	100
6)	#Heptachlor	15.85	1902	4448812	57.02	ng/ml	100
7)	#Aldrin	17.36	2083	5532392	41.06	ng/ml	100
10)	#Dieldrin	23.03	2763	8689024	91.90	ng/ml	100
11)	~~#4,4'-DDE~~ UT	22.82	2738	495272	5.41	ng/ml	100
12)	#Endrin	24.82	2978	7957520	92.97	ng/ml	100
14)	~~#4,4'-DDD~~ UT	25.61	3073	60619	1.05	ng/ml	100
15)	~~#Endosulfan Sulfate~~ UT	28.27	3392	1493716	16.85	ng/ml	100
16)	#4,4'-DDT	27.20	3264	5775358	89.10	ng/ml	100
18)	~~#Endrin ketone~~ UT	32.76	3931	83940	.932	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	1957654	16.36	ng/ml	100
21)	~~#gamma-Chlordane~~ UT	20.78	2494	31016	.263	ng/ml	100
24)	~~#Aroclor-1221~~(1) UP	7.82	939	89087	105.05	ng/ml	100
27)	~~#Aroclor-1248~~(1) UP	15.85	1902	4448812	587.91	ng/ml	100
28)	~~#Aroclor-1254~~(1) UP	20.78	2494	25239	5.32	ng/ml	100
29)	~~#Aroclor-1260~~(1) UP	24.40	2928	46937	6.05	ng/ml	100
30)	~~#Endrin aldehyde~~ UP	27.60	3312	126038	1.60	ng/ml	100
31)	~~#Toxaphene(2)~~ UP	27.60	3312	126038	68.49	ng/ml	100
32)	~~#Toxaphene(3)~~ UP	28.27	3392	1493716	597.61	ng/ml	100
34)	~~#Aroclor-1016(2)~~ UP	14.36	1723	5058184	773.78	ng/ml	100
35)	~~#Aroclor-1016(3)~~ UP	15.85	1902	4448812	402.76	ng/ml	100
36)	~~#Aroclor-1016(4)~~ UP	16.62	1995	24414	6.54	ng/ml	100
37)	~~#Aroclor-1016~~(5) UP	18.87	2264	7613	2.24	ng/ml	100
40)	~~#Aroclor-1232(2)~~ UP	14.36	1723	5058184	1792.39	ng/ml	100
41)	~~#Aroclor-1232~~(3) UP	15.85	1902	4448812	945.62	ng/ml	100
42)	~~#Aroclor-1232~~(4) UP	16.62	1995	24414	14.18	ng/ml	100
43)	~~#Aroclor-1242~~(2) UP	14.36	1723	5058184	939.77	ng/ml	100
44)	~~#Aroclor-1242~~(3) UP	15.85	1902	4448812	499.12	ng/ml	100
45)	~~#Aroclor-1242~~(4) UP	16.62	1995	24414	7.72	ng/ml	100
46)	~~#Aroclor-1242~~(5) UP	18.87	2264	7613	2.55	ng/ml	100
47)	~~#Aroclor-1248~~(2) UP	17.69	2123	90132	34.56	ng/ml	100
48)	~~#Aroclor-1248~~(3) UP	18.87	2264	7613	1.83	ng/ml	100
49)	~~#Aroclor-1248~~(4) UP	20.30	2436	77836	16.07	ng/ml	100
52)	~~#Aroclor-1254~~(3) UP	22.82	2738	495272	307.16	ng/ml	100
54)	~~#Aroclor-1254~~(5) UP	24.82	2978	7957520	2219.29	ng/ml	100
55)	~~#Aroclor-1260(2)~~ UP	24.82	2978	7957520	1136.08	ng/ml	100
56)	~~#Aroclor-1260(3)~~ UP	26.54	3184	139014	26.63	ng/ml	100

EPm
7/8/96

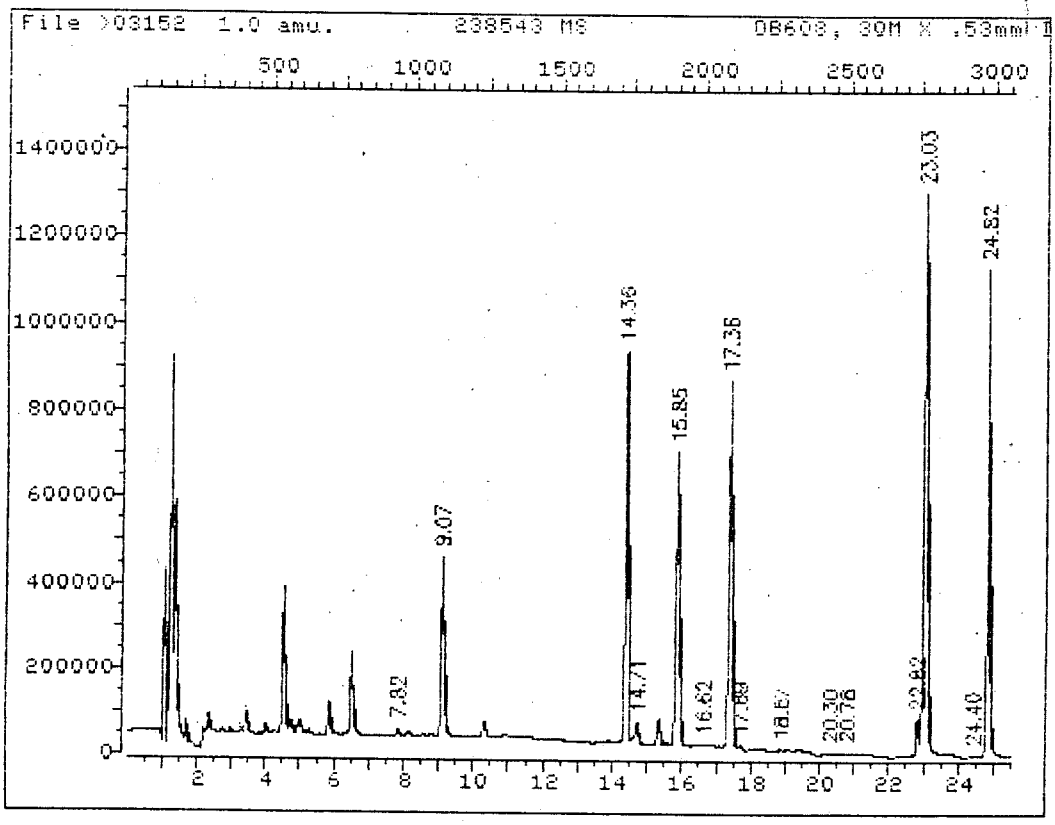
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960706 16:22
Output File: ^03152::F3 Injected at: 960706 15:29
Data File: >03152::G3 Dilution Factor: 1.00000
Name: 238543 MS Instrument ID: GC03
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Compound	R.T.	Scan#	Area	Conc	Units	q
58) #~~Aroclor-1260(5)~~ UP	32.76	3931	85171	15.43	ng/ml	100

Compound uses ESTD

EPrui
7/8/96



Data File: >03152::G3 Quant Output File: ^03152::F3
Name: 238543 MS 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 16:22
Injected at: 960706 15:29

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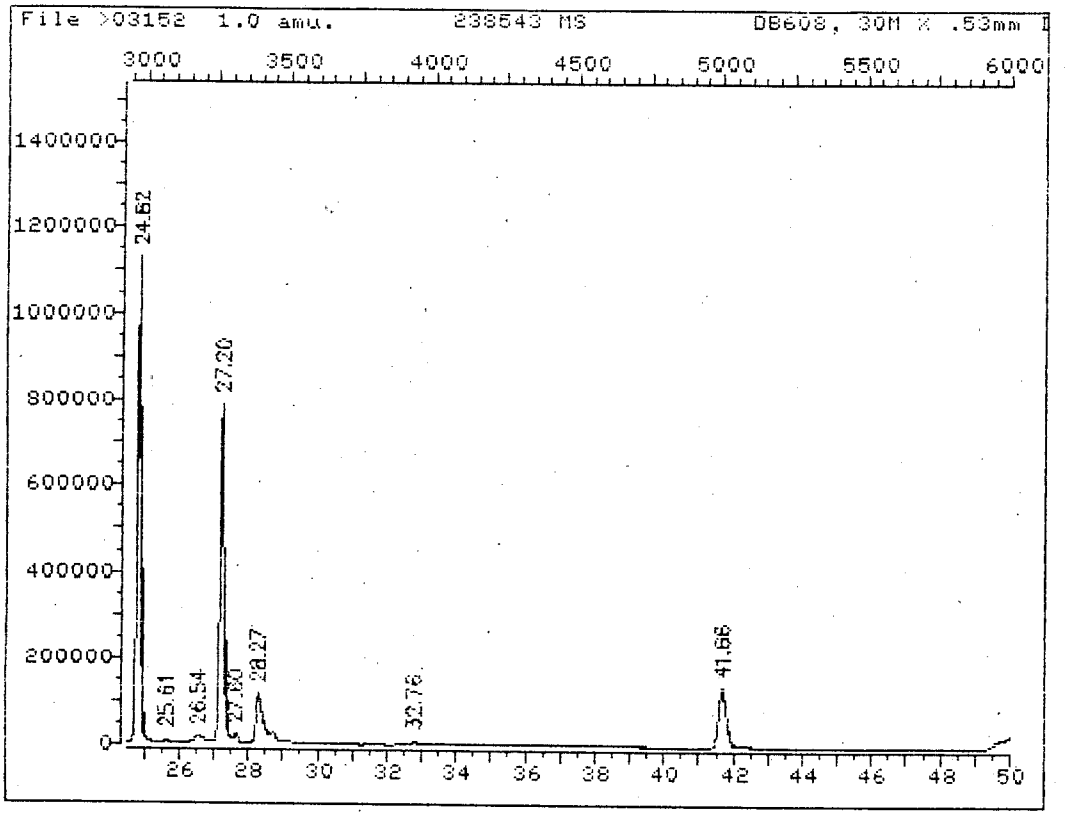


Data File: >03152::G3 Quant Output File: ^03152::F3
Name: 238543 MS Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903. 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qual Time: 960702 00:13

Operator ID: TRFIL
Quant Time : 960706 16:22
Injected at: 960706 15:29

Page 2 of 2

QUANT REPORT

Operator ID: TRFIL
Output File: ^04152::F3
Data File: >04152::G5
Name: 238543 MS
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

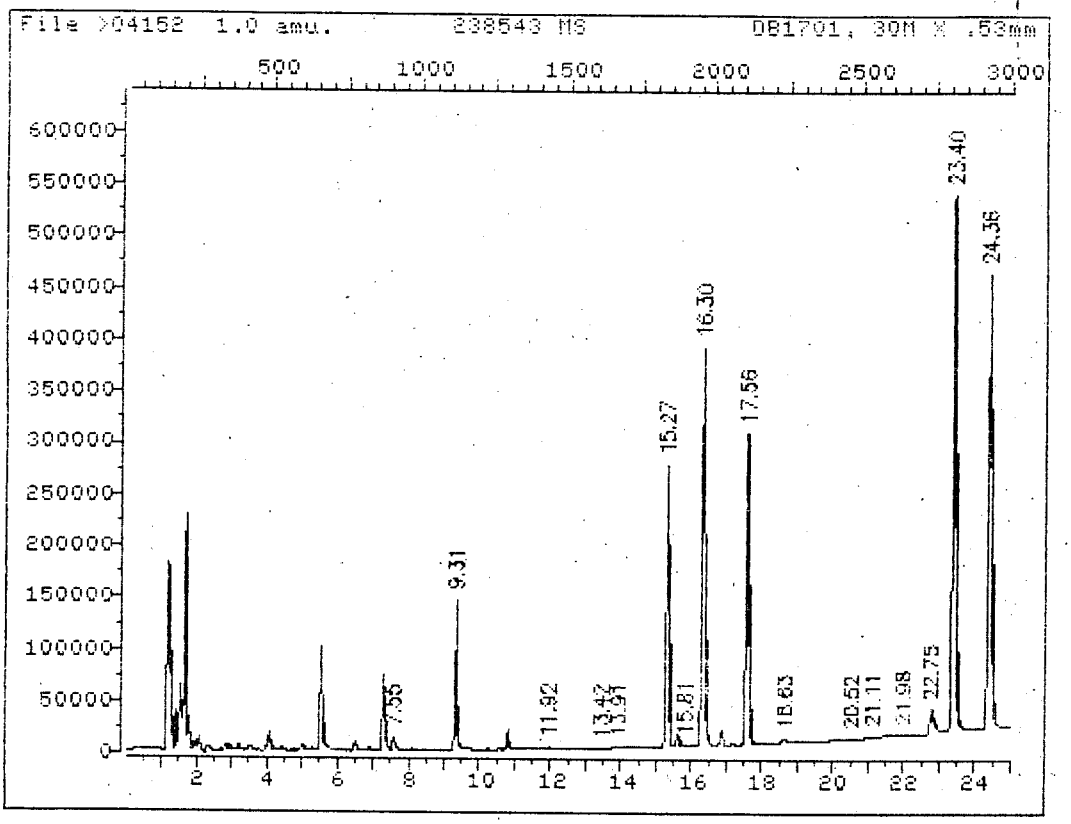
Quant Rev: 7
Quant Time: 960706 16:20
Injected at: 960706 15:29
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	801257	19.35	ng/ml	100
2)	~~#alpha-BHC~~ NT	13.42	1611	7326	.224	ng/ml	100
3)	~~#beta-BHC~~ NT	18.63	2235	37778	1.44	ng/ml	100
5)	#gamma-BHC (Lindane)	15.27	1832	1318804	38.78	ng/ml	100
6)	#Heptachlor	16.30	1956	2157653	45.49	ng/ml	100
7)	#Aldrin	17.56	2107	1641925	43.60	ng/ml	100
8)	~~#Heptachlor epoxide~~ NT	20.52	2462	11317	.259	ng/ml	100
10)	#Dieldrin	23.40	2808	3015409	92.85	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.75	2730	243698	8.78	ng/ml	100
12)	#Endrin	24.36	2923	2781109	95.94	ng/ml	100
14)	~~#4,4'-DDD~~ NT	26.53	3183	66378	3.14	ng/ml	100
16)	#4,4'-DDT	27.42	3290	1579579	95.85	ng/ml	100
17)	~~#Methoxychlor~~ NT	30.92	3710	112257	8.34	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.94	3952	31674	1.12	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	753060	16.13	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.98	2637	5288	.132	ng/ml	100
23)	~~#Aroclor 1016(1)~~ NP	11.92	1431	9806	7.94	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	66989	84.71	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	66989	56.26	ng/ml	100
26)	~~#Aroclor 1242(1)~~ NP	11.92	1431	9806	9.27	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.91	1669	5469	4.97	ng/ml	100
28)	~~#Aroclor 1254(1)~~ NP	17.56	2107	1641925	1033.54	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.85	3462	27001	.889	ng/ml	100
34)	~~#Aroclor 1016(2)~~ NP	13.91	1669	5469	2.24	ng/ml	100
35)	~~#Aroclor 1016(3)~~ NP	15.81	1897	5891	1.52	ng/ml	100
37)	~~#Aroclor 1016(5)~~ NP	18.63	2235	37778	18.33	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	11.92	1431	9806	5.72	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	11.92	1431	9806	8.37	ng/ml	100
41)	~~#Aroclor 1232(3)~~ NP	13.91	1669	5469	5.31	ng/ml	100
42)	~~#Aroclor 1232(4)~~ NP	15.81	1897	5891	3.77	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.91	1669	5469	2.75	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.81	1897	5891	1.91	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.56	2107	1641925	2075.13	ng/ml	100
47)	~~#Aroclor 1248(2)~~ NP	15.81	1897	5891	2.26	ng/ml	100
48)	~~#Aroclor 1248(3)~~ NP	18.63	2235	37778	15.33	ng/ml	100
50)	~~#Aroclor 1248(5)~~ NP	20.52	2462	8781	9.15	ng/ml	100
52)	~~#Aroclor 1254(3)~~ NP	21.11	2533	32190	17.55	ng/ml	100

Compound uses ESTD

EPrice
7/8/96



Data File: >04152::G5 Quant Output File: ^04152::F3
Name: 238543 MS 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 16:20
Injected at: 960706 15:29

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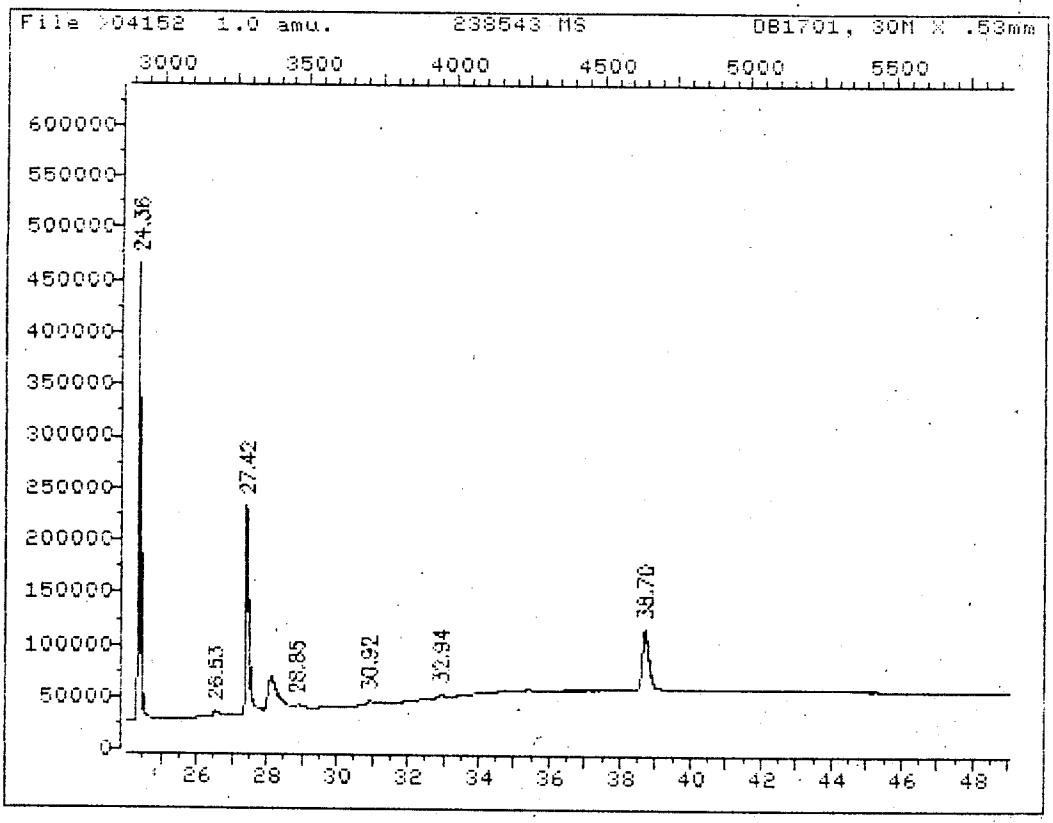


Data File: >04152::G5 Quant Output File: ^04152::F3
Name: 238543 MS Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 16:20
Injected at: 960706 15:29

Page 2 of 2

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1 MS

Lab Name: ICM Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: 238535

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03281

% Moisture: 1. 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: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.4	U
319-85-7	beta-BHC	3.4	U
319-86-8	delta-BHC	3.4	U
58-89-9	gamma-BHC (Lindane)	5.1	P
76-44-8	Heptachlor	3.0	J P
309-00-2	Aldrin	15.	P
1024-57-3	Heptachlor epoxide	3.4	U
959-98-8	Endosulfan I	3.4	U
60-57-1	Dieldrin	53.	P
72-55-9	4,4'-DDE	6.6	U
72-20-8	Endrin	160.	E P
33213-65-9	Endosulfan II	6.6	U
72-54-8	4,4'-DDD	6.6	U
1031-07-8	Endosulfan Sulfate	6.6	U
50-29-3	4,4'-DDT	17.	P
72-43-5	Methoxychlor	34.	U
53494-70-5	Endrin ketone	6.6	U
7421-93-4	Endrin aldehyde	6.6	U
5103-71-9	alpha-Chlordane	3.4	U
5103-74-2	gamma-Chlordane	3.4	U
8001-35-2	Toxaphene	340.	U
12674-11-2	Aroclor-1016	66.	U
11104-28-2	Aroclor-1221	130.	U
11141-16-5	Aroclor-1232	66.	U
53469-21-9	Aroclor-1242	66.	U
12672-29-6	Aroclor-1248	66.	U
11097-69-1	Aroclor-1254	4100.	E
11096-82-5	Aroclor-1260	66.	U

QUANT REPORT

Operator ID: TRFI2
Output File: ^03281::GQ
Data File: >03281::G4
Name: 238535MS 2XDL
Misc: DB608 30M X .53mm GC58903 1ul inj.

Quant Rev: 7
Quant Time: 960712 14:58
Injected at: 960712 11:00
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAF1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.08	1090	1317581	10.53	ng/ml	100
2)	~~#alpha-BHC~~ NT	12.47	1496	847598	5.73	ng/ml	100
3)	~~#beta-BHC~~ NT	14.82	1779	1060620	12.92	ng/ml	100
4)	~~#delta-BHC~~ NT	16.67	2001	662446	5.48	ng/ml	100
5)	#gamma-BHC (Lindane)	14.35	1722	2603053	19.05	ng/ml	100
6)	#Heptachlor	15.86	1903	1254430	16.08	ng/ml	100
7)	#Aldrin	17.37	2084	2975793	22.08	ng/ml	100
8)	~~#Heptachlor epoxide~~ NT	19.93	2392	4231772	38.53	ng/ml	100
9)	~~#Endosulfan I~~ NT	21.71	2605	7605036	62.41	ng/ml	100
10)	#Dieldrin	22.99	2759	23469956	248.23	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.69	2723	14768078	161.44	ng/ml	100
12)	#Endrin	24.83	2979	21103356	246.56	ng/ml	100
13)	~~#Endosulfan II~~ NT	25.85	3102	8468518	87.93	ng/ml	100
14)	~~#4,4'-DDD~~ NT	25.53	3063	1108108	19.24	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NT	28.39	3407	506807	5.72	ng/ml	100
16)	#4,4'-DDT	27.08	3249	4519386	69.73	ng/ml	100
17)	~~#Methoxychlor~~ NT	32.46	3895	2661590	68.55	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.68	3921	703460	7.81	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.44	2573	13297202	96.83	ng/ml	100
21)	~~#gamma Chlordane~~ NT	20.83	2499	23370004	198.32	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.83	2860	8906674	5553.74	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.29	1475	108993	37.08	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.76	931	87197	102.82	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.29	1475	108993	38.05	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.29	1475	108993	41.79	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.02	1923	7635249	1009.00	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2499	23370004	4928.87	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.38	2925	16087104	2075.21	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.69	3322	4930091	62.50	ng/ml	100
31)	~~#Toxaphene~~(2) NP	27.69	3322	4916329	2671.70	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.39	3407	506807	202.76	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	14.35	1722	2603053	398.20	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	16.02	1923	7635249	691.24	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.67	2001	662446	177.38	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.00	2280	12410630	3652.70	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.26	1351	30728	18.29	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.29	1475	108993	28.56	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.35	1722	2603053	922.40	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.02	1923	7635249	1622.92	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	16.67	2001	662446	384.75	ng/ml	100

7/19/96

Operator ID: TRFI2
Output File: ^03281::GQ
Data File: >03281::G4
Name: 238535MS 2XDL
Misc: DB608 30M X .53mm GC58903 1ul inj.

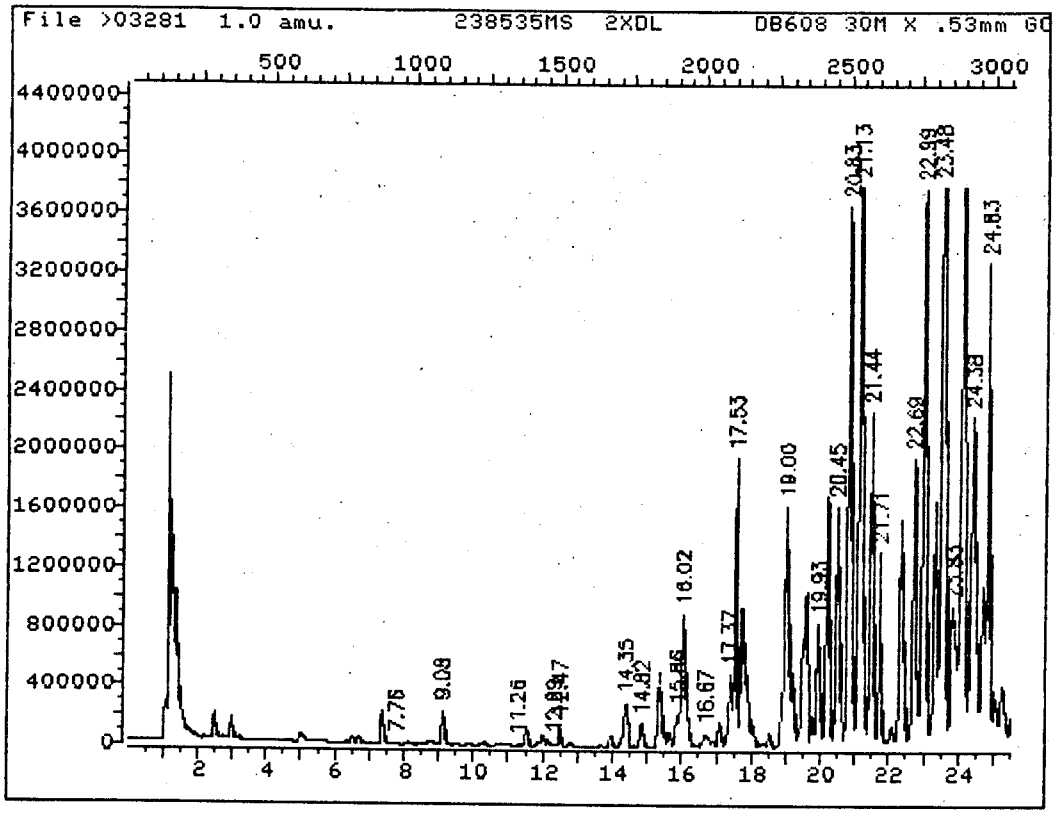
Quant Rev: 7
Quant Time: 960712 14:58
Injected at: 960712 11:00
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
43)	#~~Aroclor-1242(2)~~ NP	14.35	1722	2603053	483.62	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	16.02	1923	7635249	856.61	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.67	2001	662446	209.44	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	19.00	2280	12410630	4152.16	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	17.53	2103	10517600	4032.30	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	19.00	2280	12410630	2988.61	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.45	2454	10064084	2077.19	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.71	2605	7605036	1379.40	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2535	27690624M	4996.62	ng/ml	100
52)	#Aroclor-1254(3)	22.69	2723	14768078	9159.07	ng/ml	100
53)	#Aroclor-1254(4)	23.48	2818	33190944M	5467.05	ng/ml	100
54)	#Aroclor-1254(5)	24.83	2979	20774956	5793.96	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	24.83	2979	20774956	2966.00	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.53	3183	12307596	2357.66	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.13	3615	10671952	987.72	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.88	3945	6788724	1229.62	ng/ml	100

Compound uses ESTD

7/19/96



Data File: >03281::G4 Quant Output File: ^03281::GQ
Name: 238535MS 2XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 14:58
Injected at: 960712 11:00

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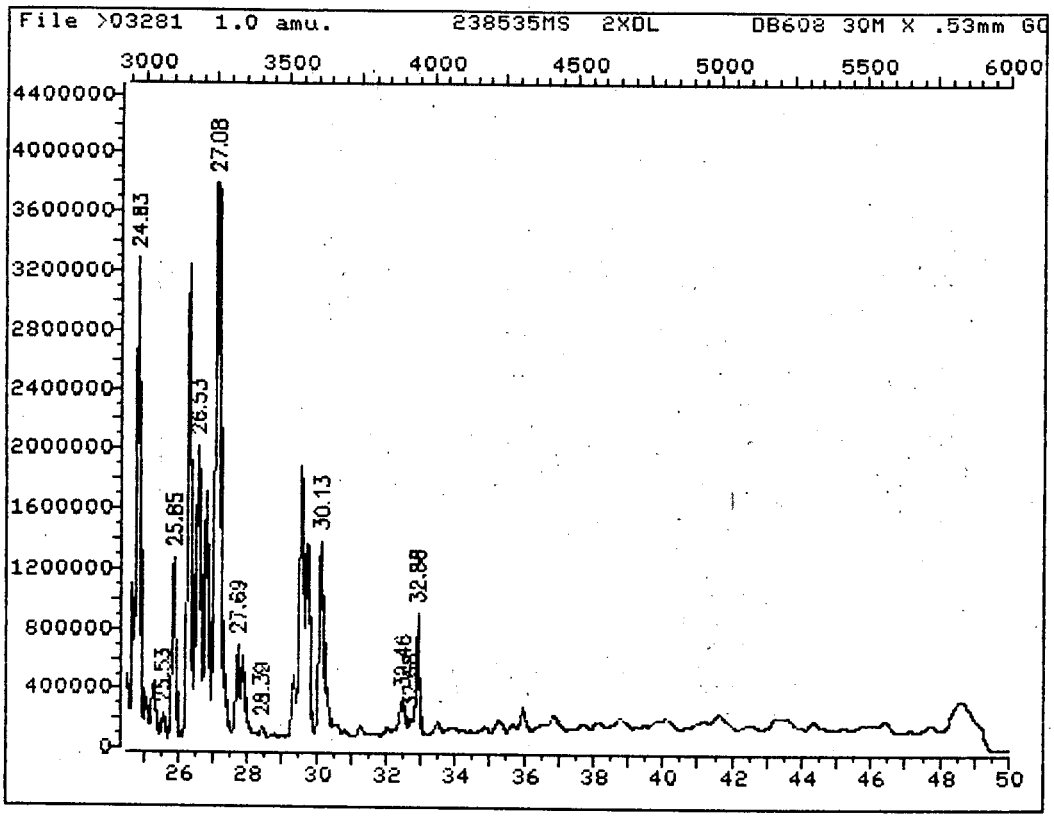

Data File: >03281::G4 Quant Output File: ^03281::GQ
Name: 238535MS 2XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 14:58
Injected at: 960712 11:00

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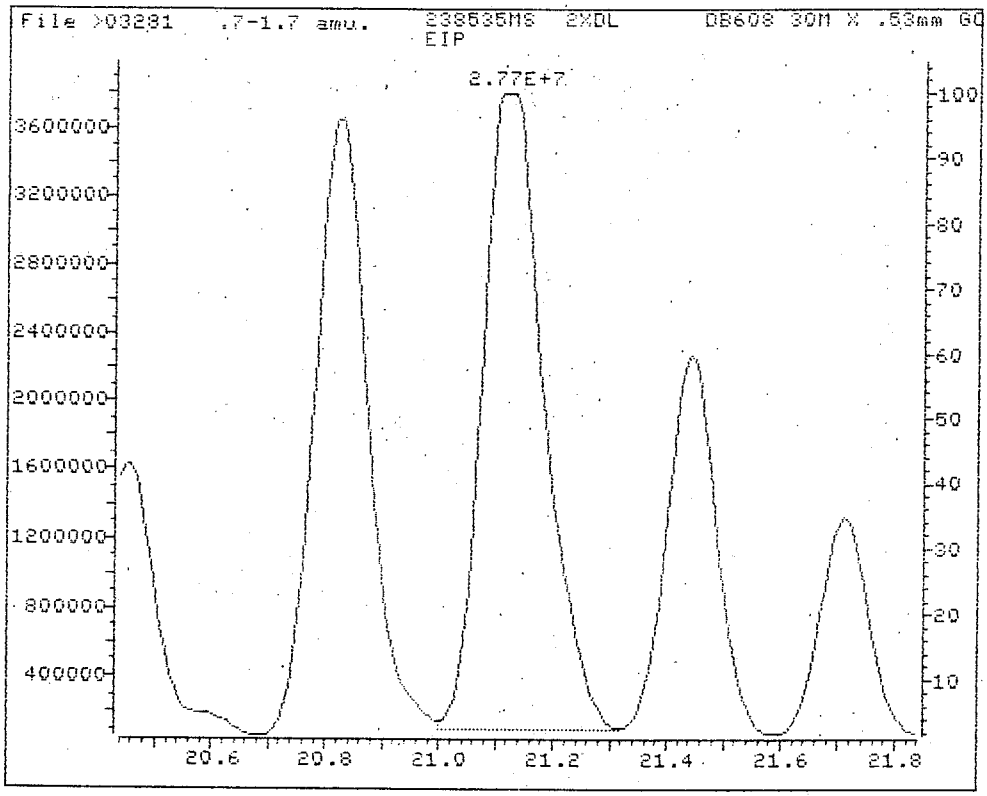
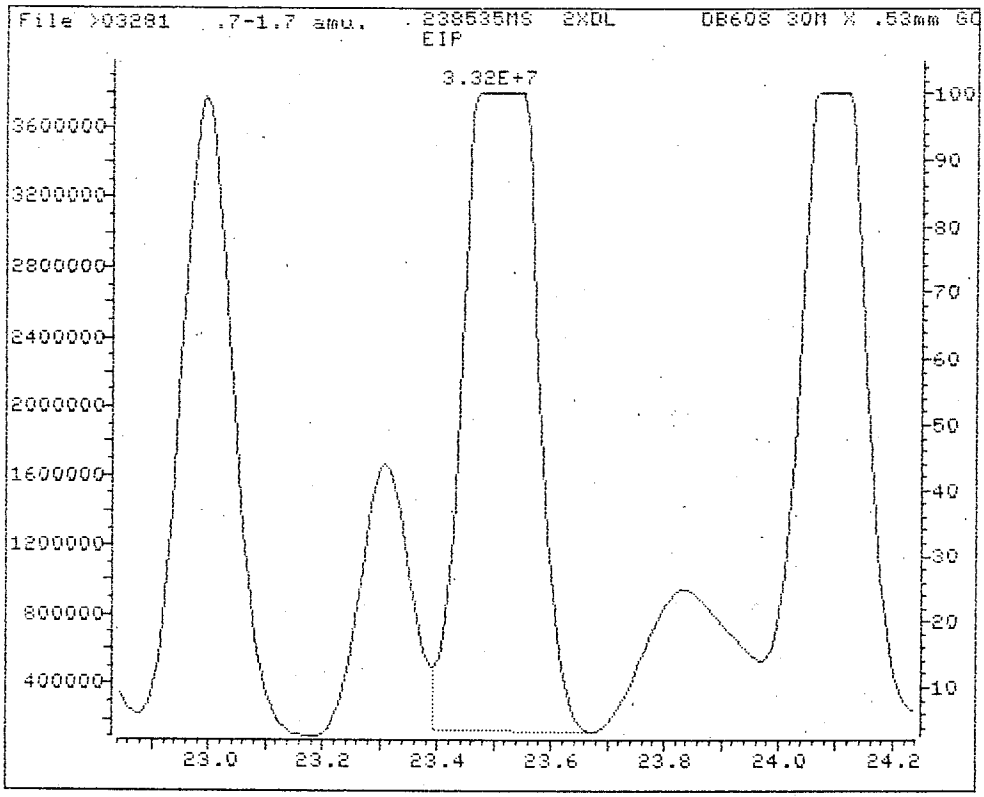


Data File: >03281::G4 Quant Output File: ^03281::GQ
Name: 238535MS 2XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 14:58 Quant ID File: IDCAP1::SC
Injected at: 960712 11:00 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2535
Retention Time: 21.13 min.
Quant Ion: 1.0
Area: 27690624M
Concentration: 4996.62 ng/ml
q-value: 100

This report was produced by QAREA on: 960716 08:49



Data File: >03281::G4 Quant Output File: ^03281::GQ
Name: Z38535MS 2XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 14:58 Quant ID File: IDCAP1::SC
Injected at: 960712 11:00 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2818
Retention Time: 23.48 min.
Quant Ion: 1.0
Area: 33190944M
Concentration: 5467.05 ng/ml
q-value: 100

This report was produced by QAREA on: 960716 08:51

QUANT REPORT

Operator ID: TRFIZ
Output File: >04281::C9
Data File: >04281::C1
Name: 2385ESMS 2XDL
Misc: DB1701 30M-X .55mm I150903 1ul inj.

Quant Rev: 7
Quant Time: 960712 14:01
Injected at: 960712 11:00
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029.10:07
Last Cal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	455686	11.00	ng/ml	100
2)	#~~alpha-BHC~~ NT	17.49	1619	5366	.164	ng/ml	100
3)	#~~beta-BHC~~ NT	18.53	1224	6723666	255.89	ng/ml	100
4)	#~~delta-BHC~~ NT	19.65	1758	110141	45.19	ng/ml	100
5)	#gamma-BHC (Lindane)	15.26	1031	261875	7.70	ng/ml	100
6)	#Heptachlor	16.38	1356	212027	4.47	ng/ml	100
7)	#Aldrin	17.43	2092	10834712	287.69	ng/ml	100
9)	#~~Endosulfan I~~ NT	21.75	2607	19046	5.33	ng/ml	100
10)	#Dieldrin	23.37	2304	2579843	79.44	ng/ml	100
11)	#~~4,4'-DDE~~ NT	22.70	2724	4829739	173.99	ng/ml	100
12)	#Endrin	24.23	2908	15867272	547.37	ng/ml	100
13)	#~~Endosulfan II~~ NT	26.78	3213	995968	27.83	ng/ml	100
14)	#~~4,4'-DDD~~ NT	26.57	3188	21389988	1035.92	ng/ml	100
16)	#4,4'-DDT	27.39	3287	425906	25.84	ng/ml	100
17)	#~~Methoxychlor~~ NT	30.89	3707	96649	7.18	ng/ml	100
18)	#~~Endrin ketone~~ NT	32.90	3948	198985	7.07	ng/ml	100
19)	#Decachlorobiphenyl	38.65	4638	652172	13.97	ng/ml	100
20)	#~~alpha-Chlordane~~ NT	22.19	2663	6962618	166.95	ng/ml	100
21)	#~~gamma-Chlordane~~ NT	21.95	2634	1199840	30.02	ng/ml	100
23)	#~~Aroclor-1016(1)~~ NP	12.07	1448	138589	112.22	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	7.54	905	179107	226.48	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	7.54	905	179107	150.41	ng/ml	100
26)	#~~Aroclor-1242(1)~~ NP	12.07	1448	138589	130.99	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	13.83	1660	494206	448.67	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2092	10817144	6809.06	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	23.75	2850	10375858	4491.07	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	28.91	3469	717237	23.60	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	28.39	3407	7068059	9806.67	ng/ml	100
33)	#~~Toxaphene(4)~~	31.66	3799	448444	893.68	ng/ml	100
34)	#~~Aroclor-1016(2)~~	13.83	1660	494206	202.15	ng/ml	100
35)	#~~Aroclor-1016(3)~~	15.96	1915	2673341	689.16	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.51	1981	380677	261.40	ng/ml	100
37)	#~~Aroclor-1016(5)~~	18.53	1224	6723666	3262.84	ng/ml	100
38)	#~~Aroclor-1221(2)~~	10.98	1318	25645	39.10	ng/ml	100
39)	#~~Aroclor-1221(3)~~ NP	12.07	1448	138589	80.60	ng/ml	100
40)	#~~Aroclor-1232(2)~~	12.07	1448	138589	118.30	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	13.83	1660	494206	479.95	ng/ml	100
42)	#~~Aroclor-1232(4)~~	15.96	1915	2673341	1711.32	ng/ml	100
43)	#~~Aroclor-1242(2)~~	13.83	1660	494206	248.81	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	15.96	1915	2673341	867.03	ng/ml	100

E Prui
7/13/96

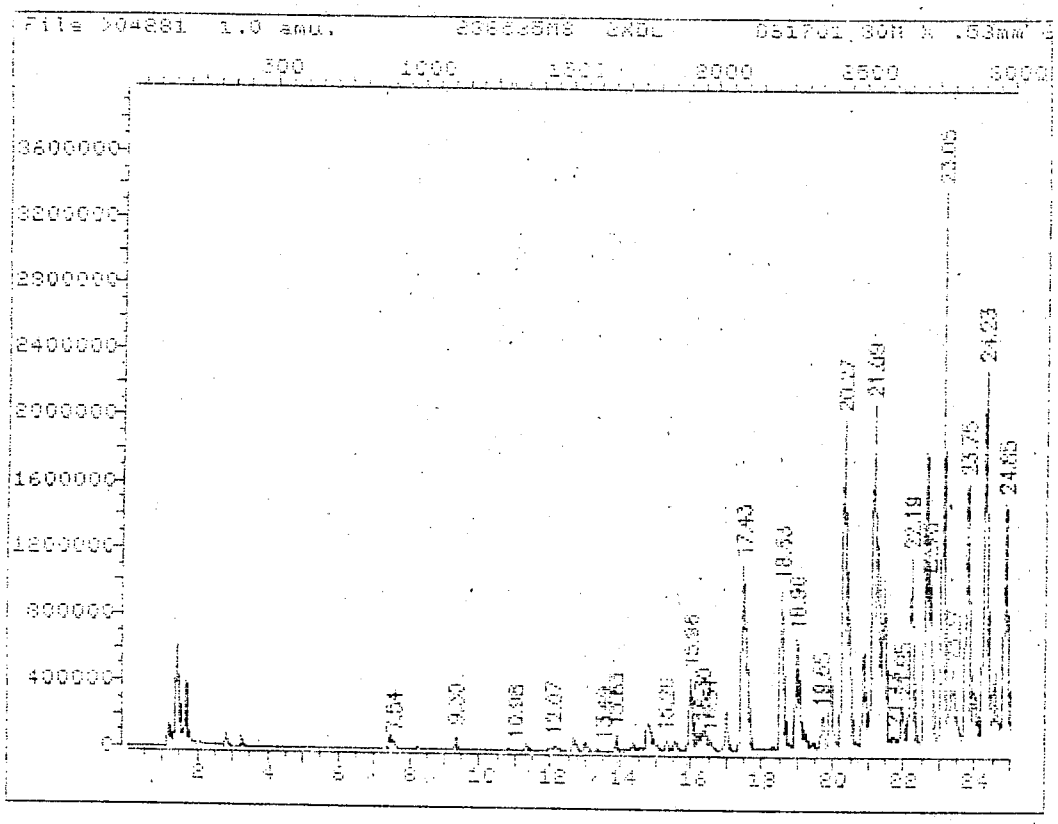
Operator ID: TAFIZ Quant Rev: 7 Quant Time: 960712 14:01
Output File: ^04281::GQ Injected at: 960712 11:00
Data File: >04281::G1 Dilution Factor: 1.00000
Name: 258535MS 2XDL Instrument ID: GC04
Misc: DB1701 30M X .55mm 2258903 1ul inj.

ID File: IDCAP2::GC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Scal Time: 960701 21:23

Compound	R.T.	Scan#	Area	Conc	Units	q
45) ~~#Aroclor-1242(4)~~ NP	16.51	1981	500675	533.05	ng/ml	100
46) ~~#Aroclor-1242(5)~~ NP	17.43	2092	10817144	13671.13	ng/ml	100
47) ~~#Aroclor-1248(2)~~ NP	15.96	1915	2575341	1023.37	ng/ml	100
48) ~~#Aroclor-1248(3)~~ NP	18.53	2224	6723844	2729.11	ng/ml	100
49) ~~#Aroclor-1248(4)~~ NP	18.96	2275	4647560	2652.64	ng/ml	100
50) ~~#Aroclor-1248(5)~~ NP	20.27	2432	12760584	15295.04	ng/ml	100
51) #Aroclor-1254(2)	20.27	2432	12760584	6276.23	ng/ml	100
52) #Aroclor-1254(3)	21.09	2531	12558534	6847.58	ng/ml	100
53) #Aroclor-1254(4)	23.05	2766	23650124	8099.04	ng/ml	100
54) #Aroclor-1254(5)	23.75	2850	10375858	7650.35	ng/ml	100
55) ~~#Aroclor-1260(2)~~ NP	24.85	2982	9885746	3640.27	ng/ml	100
56) ~~#Aroclor-1260(3)~~ NP	28.33	3407	7039389	3966.21	ng/ml	100
57) ~~#Aroclor-1260(4)~~ NP	29.99	3598	4516169	1148.69	ng/ml	100
58) ~~#Aroclor-1260(5)~~ NP	31.98	3837	3741727	1506.66	ng/ml	100

Compound uses ESTD

EPW
7/13/96



Data File: >04281::G1
Name: 238555MS 2XOL
Misc: DB1701 30M X .53mm SC58903 1ul inj.

Quant Output File: ^04281::GQ
Instrument ID: SC04

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07

Last Scal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 14:01
Injected at: 960712 11:00

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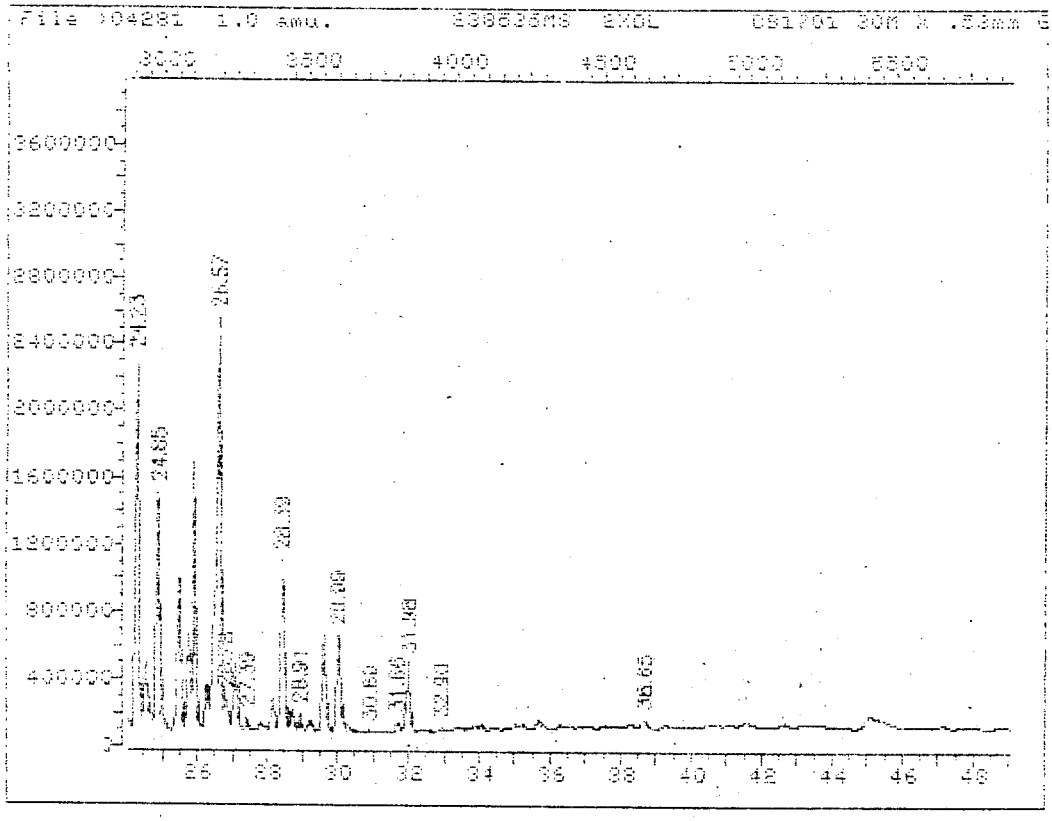

Data File: >04281::G1 Quant Output File: ^04281::GQ
Name: 238555MS 2XDL Instrument ID: GC04
Misc: DB1701 30M X .53mm 2258903 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Ccal Time: 960701 21:23

Operator ID: TRF12
Quant Time: 960712 14:01
Injected at: 960712 11:00

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS1 MS

Lab Name: ICM Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: 238536

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03399

% Moisture: 8. 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: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC (Lindane)	2.9	J P
76-44-8	Heptachlor	4.0	J P
309-00-2	Aldrin	29.	P
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	94.	P
72-55-9	4,4'-DDE	36.	U
72-20-8	Endrin	310.	P
33213-65-9	Endosulfan II	36.	U
72-54-8	4,4'-DDD	36.	U
1031-07-8	Endosulfan Sulfate	36.	U
50-29-3	4,4'-DDT	13.	J P
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	36.	U
7421-93-4	Endrin aldehyde	36.	U
5103-71-9	alpha-Chlordane	18.	U
5103-74-2	gamma-Chlordane	18.	U
8001-35-2	Toxaphene	1800.	U
12674-11-2	Aroclor-1016	360.	U
11104-28-2	Aroclor-1221	720.	U
11141-16-5	Aroclor-1232	360.	U
53469-21-9	Aroclor-1242	360.	U
12672-29-6	Aroclor-1248	360.	U
11097-69-1	Aroclor-1254	7900.	
11096-82-5	Aroclor-1260	360.	U

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 14:39
Output File: ^03399::GQ Injected at: 960717 12:21
Data File: >03399::G2 Dilution Factor: 1.00000
Name: 238536MS 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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	145292	1.21	ng/ml	100
2)	#~~alpha-BHC~~ NT	12.47	1496	297900	2.00	ng/ml	100
3)	#~~beta-BHC~~ NT	14.82	1779	288987	3.53	ng/ml	100
4)	#~~delta-BHC~~ NT	16.68	2002	142346	1.11	ng/ml	100
5)	#gamma-BHC (Lindane)	14.32	1718	467627	3.37	ng/ml	100
6)	#Heptachlor	15.85	1902	116961	1.11	ng/ml	100
7)	#Aldrin	17.38	2085	1087288	8.14	ng/ml	100
8)	#~~Heptachlor-epoxide~~ NT	19.93	2392	1792164	14.36	ng/ml	100
9)	#~~Endosulfan I~~ NT	21.71	2605	3047796	28.72	ng/ml	100
10)	#Dieldrin	22.99	2759	8031914	85.14	ng/ml	100
11)	#~~4,4'-DDE~~ NT	22.69	2723	5418051	58.68	ng/ml	100
12)	#Endrin	24.83	2979	7554312	86.43	ng/ml	100
13)	#~~Endosulfan II~~ NT	25.86	3103	2978114	30.10	ng/ml	100
14)	#~~4,4'-DDD~~ NT	25.54	3064	409168	6.63	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NT	28.39	3407	206844	2.35	ng/ml	100
16)	#4,4'-DDT	27.09	3251	12779480	188.13	ng/ml	100
17)	#~~Methoxychlor~~ NT	32.46	3895	842242	21.17	ng/ml	100
18)	#~~Endrin ketone~~ NT	32.67	3920	232494	2.51	ng/ml	100
19)	#Decachlorobiphenyl	41.63	4995	176624	1.53	ng/ml	100
20)	#~~alpha-Chlordane~~ NT	21.44	2573	4860731	40.34	ng/ml	100
21)	#~~gamma-Chlordane~~ NT	20.83	2499	8608454	71.19	ng/ml	100
22)	#~~Toxaphene(1)~~ ND	23.84	2861	3071216	1922.13	ng/ml	100
23)	#~~Aroclor-1016(1)~~ ND	12.28	1474	19172	6.71	ng/ml	100
24)	#~~Aroclor-1221(1)~~ ND	8.04	965	10696	12.44	ng/ml	100
25)	#~~Aroclor-1232(1)~~ ND	12.28	1474	19172	7.12	ng/ml	100
26)	#~~Aroclor-1242(1)~~ ND	12.28	1474	19172	7.90	ng/ml	100
27)	#~~Aroclor-1248(1)~~ ND	16.02	1923	3532064	468.85	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2499	8608454	1730.37	ng/ml	100
29)	#~~Aroclor-1260(1)~~ ND	24.38	2925	6167942	963.46	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	27.69	3322	1708264	21.12	ng/ml	100
31)	#~~Toxaphene(2)~~ ND	27.69	3322	1715124	1026.08	ng/ml	100
32)	#~~Toxaphene(3)~~ ND	28.39	3407	206844	97.52	ng/ml	100
34)	#~~Aroclor-1016~~(2)	14.32	1718	467627	80.54	ng/ml	100
35)	#~~Aroclor-1016(~~3)	16.02	1923	3532064	316.07	ng/ml	100
36)	#~~Aroclor-1016(~~4) ND	16.68	2002	142346	36.98	ng/ml	100
37)	#~~Aroclor-1016(~~5)	19.00	2280	4710708	1392.74	ng/ml	100
38)	#~~Aroclor-1221~~(2) ND	11.29	1355	55200	33.97	ng/ml	100
39)	#~~Aroclor-1221(~~3) ND	12.28	1474	19172	5.17	ng/ml	100
40)	#~~Aroclor-1232~~(2) ND	14.32	1718	467627	166.57	ng/ml	100
41)	#~~Aroclor-1232(3)~~ ND	16.02	1923	3532064	756.79	ng/ml	100

EPuc
7/22/96

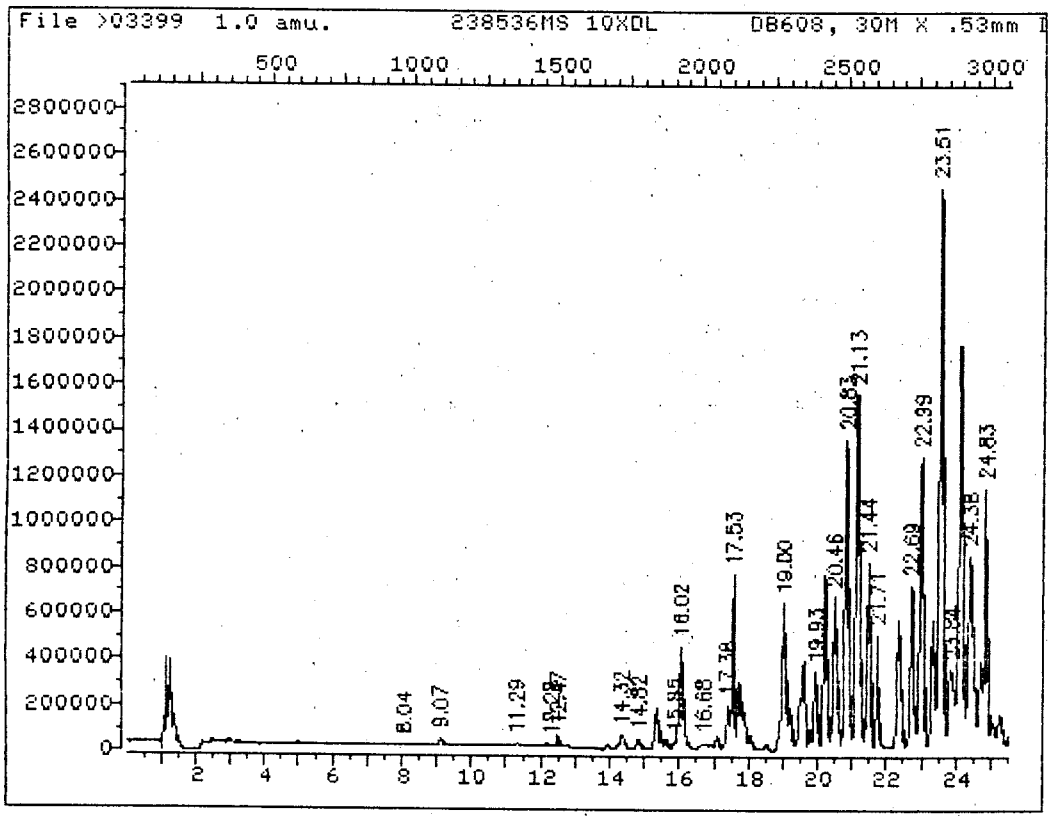
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 14:39
Output File: ^03399::GQ Injected at: 960717 12:21
Data File: >03399::G2 Dilution Factor: 1.00000
Name: 238536MS 10XDL Instrument ID: GC03
Disc: DB608. 30M X .53mm INST 58903. 1ul INJ

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
42)	~~#Aroclor-1232(4)~~ UP	16.68	2002	142346	81.45	ng/ml	100
43)	~~#Aroclor-1242(2)~~	14.32	1718	467627	101.02	ng/ml	100
44)	~~#Aroclor-1242(3)~~	16.02	1923	3532064	398.30	ng/ml	100
45)	~~#Aroclor-1242(4)~~ UP	16.68	2002	142346	43.00	ng/ml	100
46)	~~#Aroclor-1242(5)~~	19.00	2280	4710708	1610.35	ng/ml	100
47)	~~#Aroclor-1248(2)~~	17.53	2103	4863881	1523.31	ng/ml	100
48)	~~#Aroclor-1248(3)~~	19.00	2280	4710708	1144.58	ng/ml	100
49)	~~#Aroclor-1248(4)~~ UP	20.46	2455	4246196	1033.67	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.71	2605	3047796	695.92	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2535	10698498	1823.35	ng/ml	100
52)	#Aroclor-1254(3)	22.69	2723	5418051	2933.16	ng/ml	100
53)	#Aroclor-1254(4)	23.51	2821	15713568	2431.35	ng/ml	100
54)	#Aroclor-1254(5)	24.83	2979	7554312	2067.13	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.83	2979	7554312	1060.37	ng/ml	100
56)	~~#Aroclor-1260(3)~~ UP	26.53	3183	5625212	1221.96	ng/ml	100
57)	~~#Aroclor-1260(4)~~	30.13	3615	3805222	347.42	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.89	3946	2399270	486.70	ng/ml	100

Compound uses ESTD

EBrui
7/22/96



Data File: >03399::G2 Quant Output File: ^03399::GQ
Name: 238536MS 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 14:39
Injected at: 960717 12:21

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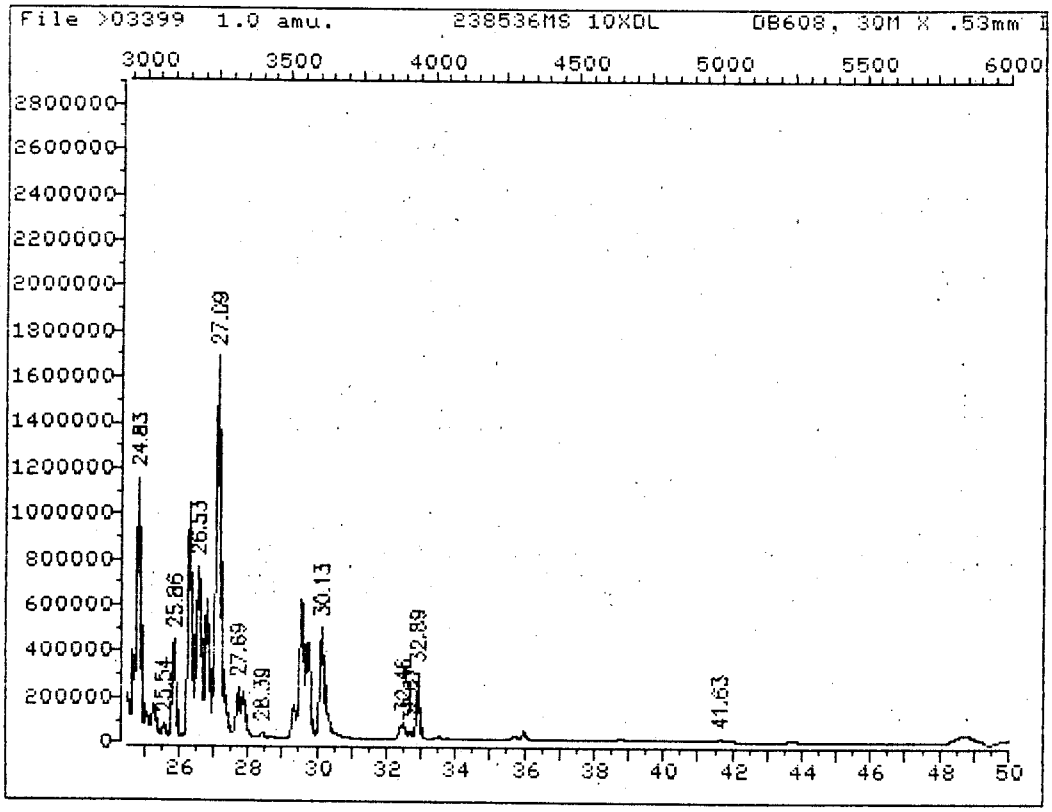

Data File: >03399::G2 Quant Output File: ^03399::GQ
Name: 238536MS 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 14:39
Injected at: 960717 12:21

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 14:34
Output File: ^04399::GQ Injected at: 960717 12:21
Data File: >04399::G4 Dilution Factor: 1.00000
Name: 238536MS 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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	52463	1.28	ng/ml	100
2)	~~#alpha-BHC~~ NT	13.31	1597	5754	.177	ng/ml	100
3)	~~#beta-BHC~~ NT	18.54	2225	2388509	95.18	ng/ml	100
4)	~~#delta-BHC~~ NT	19.67	2360	369073	14.07	ng/ml	100
5)	#gamma-BHC (Lindane)	15.26	1831	27903	.820	ng/ml	100
6)	#Heptachlor	16.39	1967	98106	2.10	ng/ml	100
7)	#Aldrin	17.44	2093	3945992	105.38	ng/ml	100
9)	~~#Endosulfan I~~ NT	21.75	2610	15641	.448	ng/ml	100
10)	#Dieldrin	23.37	2804	835356	26.03	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.71	2725	1628517	57.51	ng/ml	100
12)	#Endrin	24.25	2910	5542749	190.88	ng/ml	100
13)	~~#Endosulfan II~~ NT	26.59	3190	6935674	202.59	ng/ml	100
14)	~~#4,4'-DDD~~ NT	26.59	3190	6818660	354.73	ng/ml	100
16)	#4,4'-DDT	27.41	3289	65547	3.75	ng/ml	100
17)	~~#Methoxychlor~~ NT	30.85	3702	24521	1.83	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.88	3945	17283	.545	ng/ml	100
19)	#Decachlorobiphenyl	38.67	4640	59965	1.31	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.21	2665	2408416	57.81	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.96	2635	382992	9.56	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.07	1449	8156	6.73	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	17648	23.09	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	17648	15.99	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.07	1449	8156	7.94	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.84	1661	137565	133.83	ng/ml	100
28)	#Aroclor-1254(1)	17.44	2093	3945643	2488.49	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.76	2851	3728241	1502.40	ng/ml	100
30)	~~#Endrin aldehyde~~	28.92	3470	250558	7.79	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.41	3409	2364918	3492.59	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.67	3800	126136	243.37	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	13.84	1661	137565	55.69	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.97	1917	1197829	298.07	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.52	1982	122290	82.33	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.54	2225	2388509	1222.38	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.07	1449	8156	4.81	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	12.07	1449	8156	7.18	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.84	1661	137565	137.84	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.97	1917	1197829	735.76	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.84	1661	137565	71.14	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.97	1917	1197829	379.96	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.52	1982	122290	106.85	ng/ml	100

EBrin
7/22/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 14:34
Output File: ^04399::GQ Injected at: 960717 12:21
Data File: >04399::G4 Dilution Factor: 1.00000
Name: 238536MS 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

	Compound	R.T.	Scan#	Area	Conc	Units	q
46)	#~~Aroclor-1242(5)~~ UP	17.44	2093	3945643	4615.71	ng/ml	100
47)	#~~Aroclor-1248(2)~~	15.97	1917	1197829	443.49	ng/ml	100
48)	#~~Aroclor-1248(3)~~	18.54	2225	2388509	986.79	ng/ml	100
49)	#~~Aroclor-1248(4)~~ UP	18.97	2276	1453127	795.18	ng/ml	100
50)	#~~Aroclor-1248(5)~~	20.28	2434	4843688	4245.87	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2434	4843688	2254.20	ng/ml	100
52)	#Aroclor-1254(3)	21.10	2532	4246818	2311.05	ng/ml	100
53)	#Aroclor-1254(4)	23.06	2767	7296249	2808.57	ng/ml	100
54)	#Aroclor-1254(5)	23.76	2851	3728241	2621.11	ng/ml	100
55)	#~~Aroclor-1260(2)~~	24.87	2984	3836781	1344.06	ng/ml	100
56)	#~~Aroclor-1260(3)~~	28.41	3409	2373800	1427.36	ng/ml	100
57)	#~~Aroclor-1260(4)~~ UP	30.01	3601	1716877	401.37	ng/ml	100
58)	#~~Aroclor-1260(5)~~	31.99	3839	1232391	447.11	ng/ml	100

Compound uses ESTD

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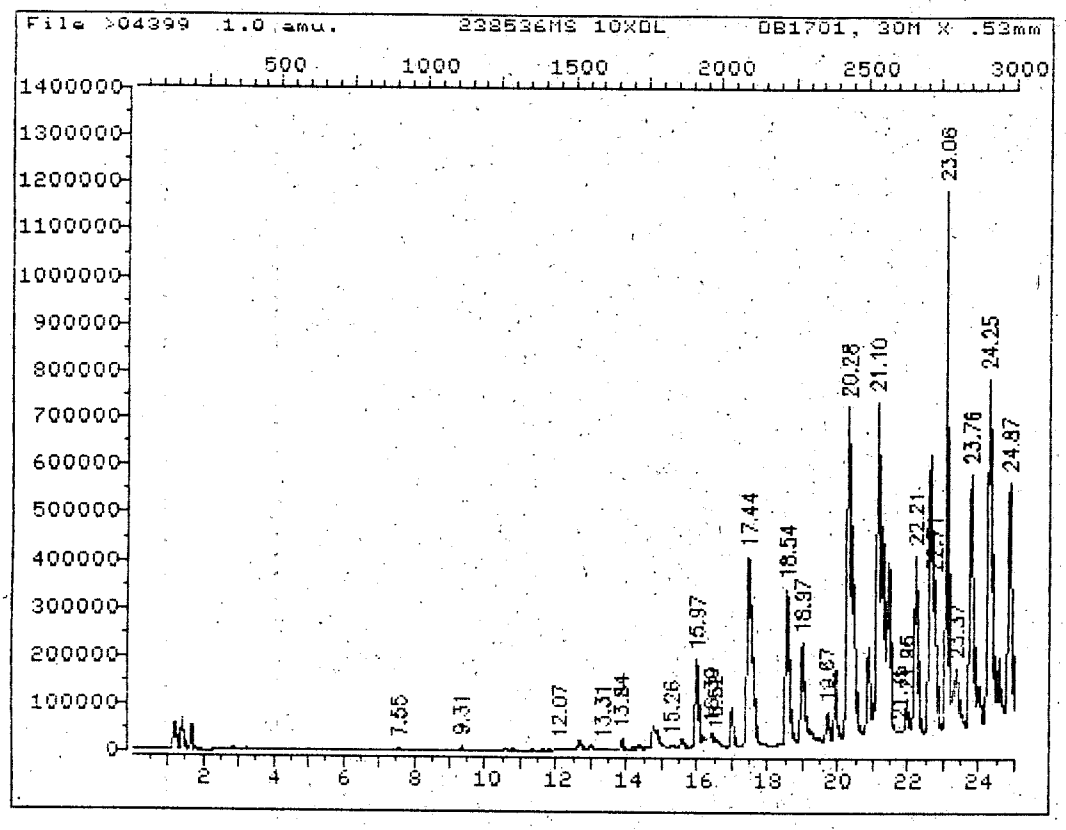
7/22/96



Data File: >04399::G4 Quant Output File: ^04399::GQ
Name: 238536MS 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 14:34
Injected at: 960717 12:21

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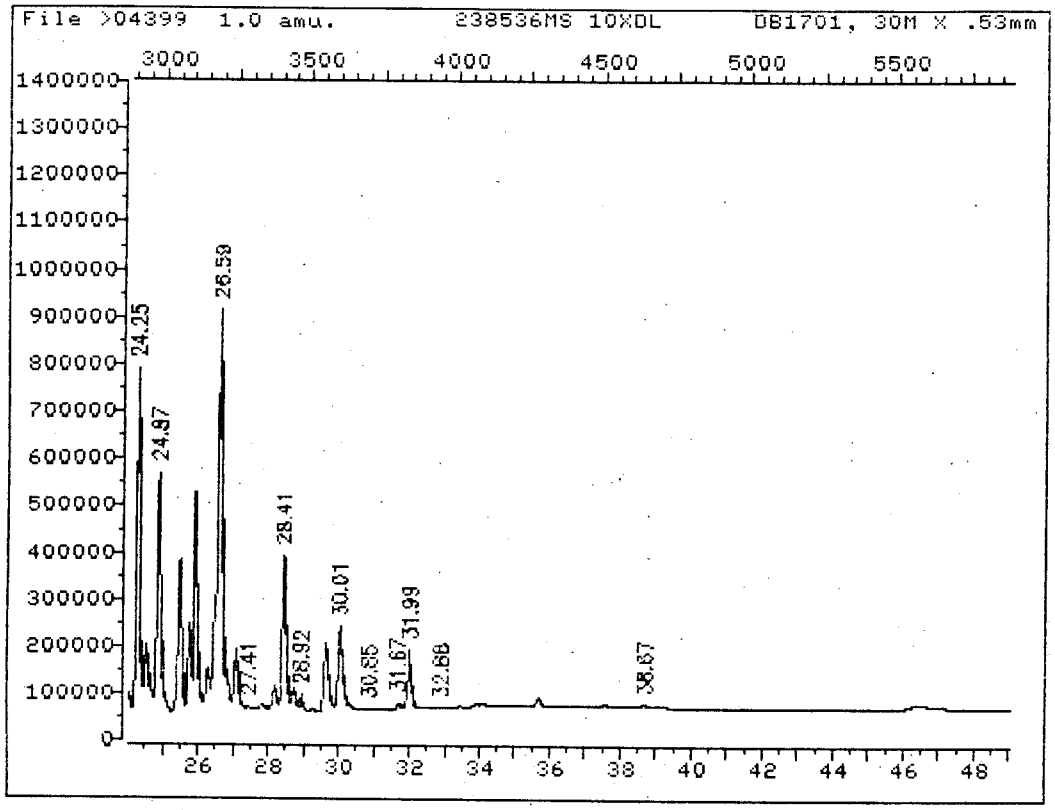

Data File: >04399::G4 Quant Output File: ^04399::GQ
Name: 238536MS 10XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 14:34
Injected at: 960717 12:21

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN1AMSD

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: 238543

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03153

% Moisture: _____ decanted: (Y/N)___ Date Received: 06/28/96

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

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.38	
76-44-8	Heptachlor	.47	P
309-00-2	Aldrin	.43	
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.95	
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.96	
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.91	
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
7421-93-4	Endrin aldehyde	.10	U
5103-71-9	alpha-Chlordane	.050	U
5103-74-2	gamma-Chlordane	.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

QUANT REPORT

Operator ID: TRFIL
Output File: ^03153::F3
Data File: >03153::G3
Name: 238543 MSD
Misc: DB608. 30M X .53mm INST 58903. 1ul INJ

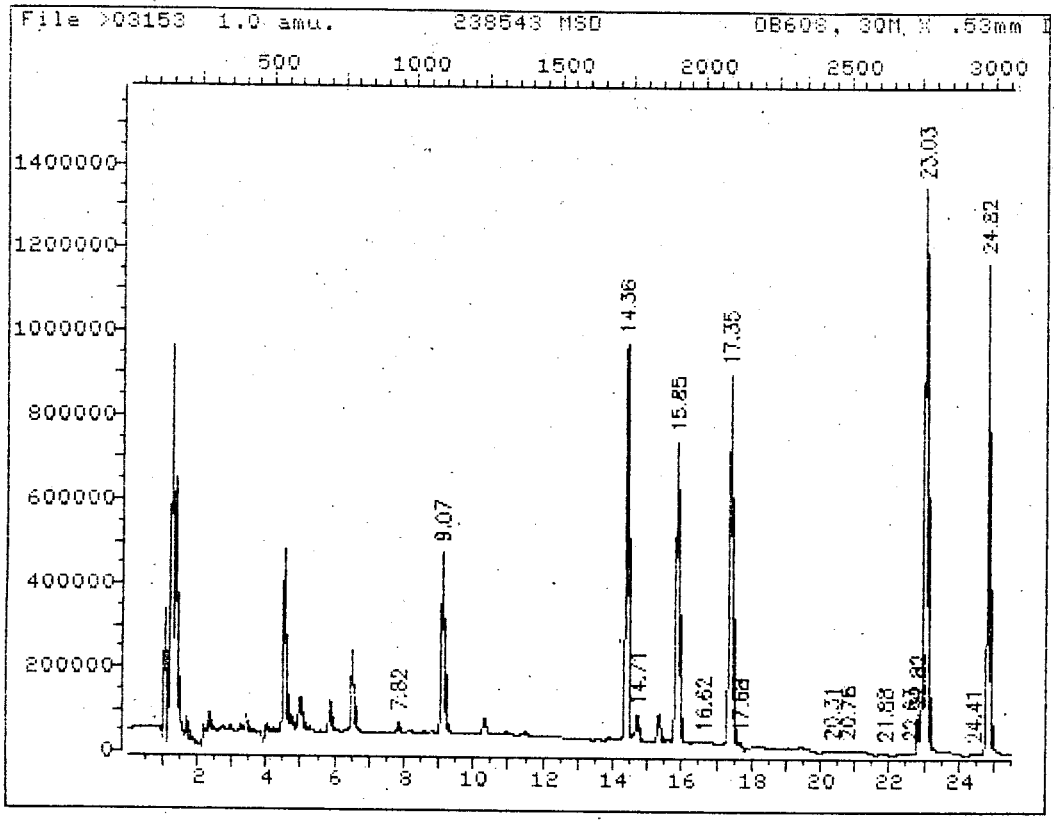
Quant Rev: 7
Quant Time: 960706 17:19
Injected at: 960706 16:26
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2454015	19.61	ng/ml	100
3)	~~#beta-BHC~~ NT	14.71	1765	389630	4.75	ng/ml	100
4)	~~#delta-BHC~~ NT	16.62	1995	23846	.197	ng/ml	100
5)	#gamma-BHC (Lindane)	14.36	1723	5227321	38.25	ng/ml	100
6)	#Heptachlor	15.85	1902	4676900	59.94	ng/ml	100
7)	#Aldrin	17.35	2082	5733385	42.55	ng/ml	100
10)	#Dieldrin	23.03	2763	8960228	94.77	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.82	2738	534258	5.84	ng/ml	100
12)	#Endrin	24.82	2978	8207172	95.89	ng/ml	100
14)	~~#4,4'-DDD~~ NT	25.61	3073	64181	1.11	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NT	28.34	3400	215820	2.43	ng/ml	100
16)	#4,4'-DDT	27.20	3264	5918926	91.32	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.76	3931	97607	1.08	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	2206085	18.43	ng/ml	100
21)	~~#gamma Chlordane~~ NT	20.78	2494	23373	.198	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.82	939	139704	164.73	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	15.85	1902	4676900	618.05	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.41	2929	87917	11.34	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.60	3312	152878	1.94	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.60	3312	152878	83.08	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.34	3400	215820	86.35	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	14.36	1723	5227321	799.65	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.85	1902	4676900	423.41	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.62	1995	23846	6.39	ng/ml	100
40)	~~#Aroclor-1232~~(2) NP	14.36	1723	5227321	1852.32	ng/ml	100
41)	~~#Aroclor-1232~~(3) NP	15.85	1902	4676900	994.11	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	16.62	1995	23846	13.85	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	14.36	1723	5227321	971.19	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.85	1902	4676900	524.71	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.62	1995	23846	7.54	ng/ml	100
47)	~~#Aroclor-1248~~(2) NP	17.68	2122	104566	40.09	ng/ml	100
49)	~~#Aroclor-1248~~(4) NP	20.31	2437	128695	26.56	ng/ml	100
50)	~~#Aroclor-1248~~(5) NP	21.88	2625	135166	24.52	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	22.63	2716	211808	131.36	ng/ml	100
54)	~~#Aroclor-1254(5)~~ NP	24.82	2978	8207024	2288.87	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.82	2978	8207024	1171.70	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.52	3182	129857	24.88	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.76	3931	97607	17.68	ng/ml	100

Compound uses ESTD

EPrui
7/8/96



Data File: >03153::G3 Quant Output File: ^03153::F3
Name: 238543 MSD 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 17:19
Injected at: 960706 16:26

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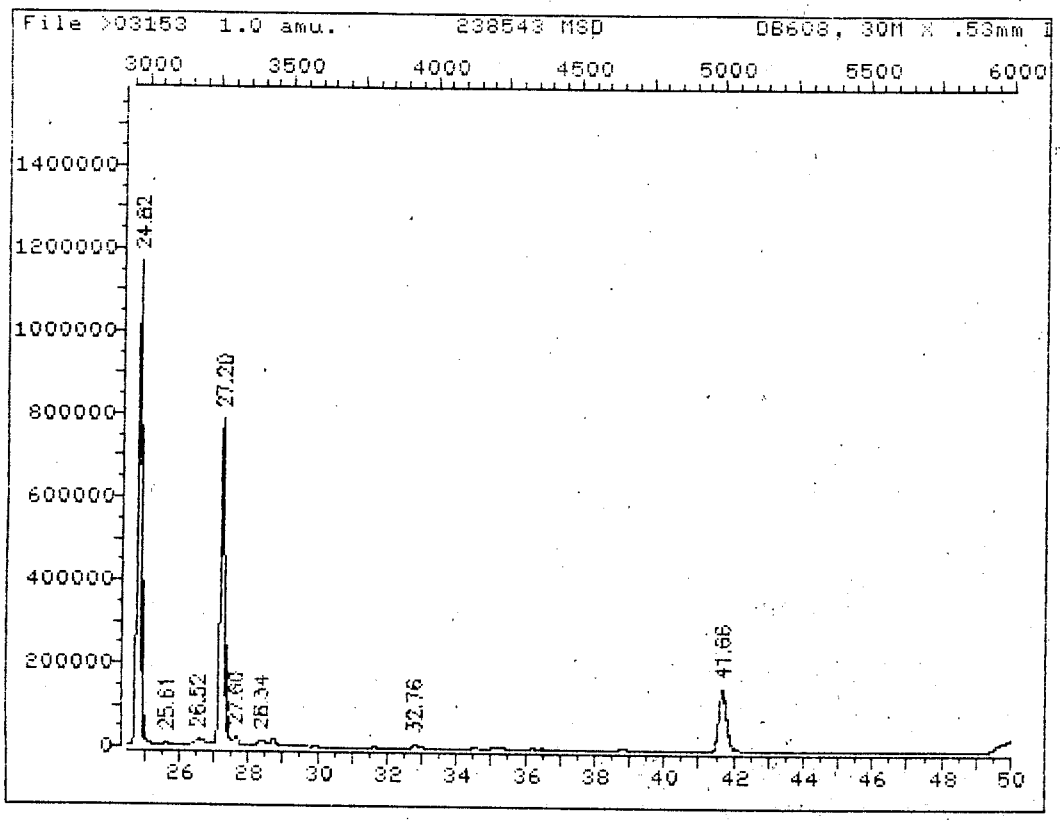


Data File: >03153::G3 Quant Output File: ^03153::F3
Name: 238543 MSD Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 17:19
Injected at: 960706 16:26

Page 2 of 2

QUANT REPORT

Operator ID: TRFIL
Output File: ^04153::F3
Data File: >04153::G5
Name: 238543 MSD
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

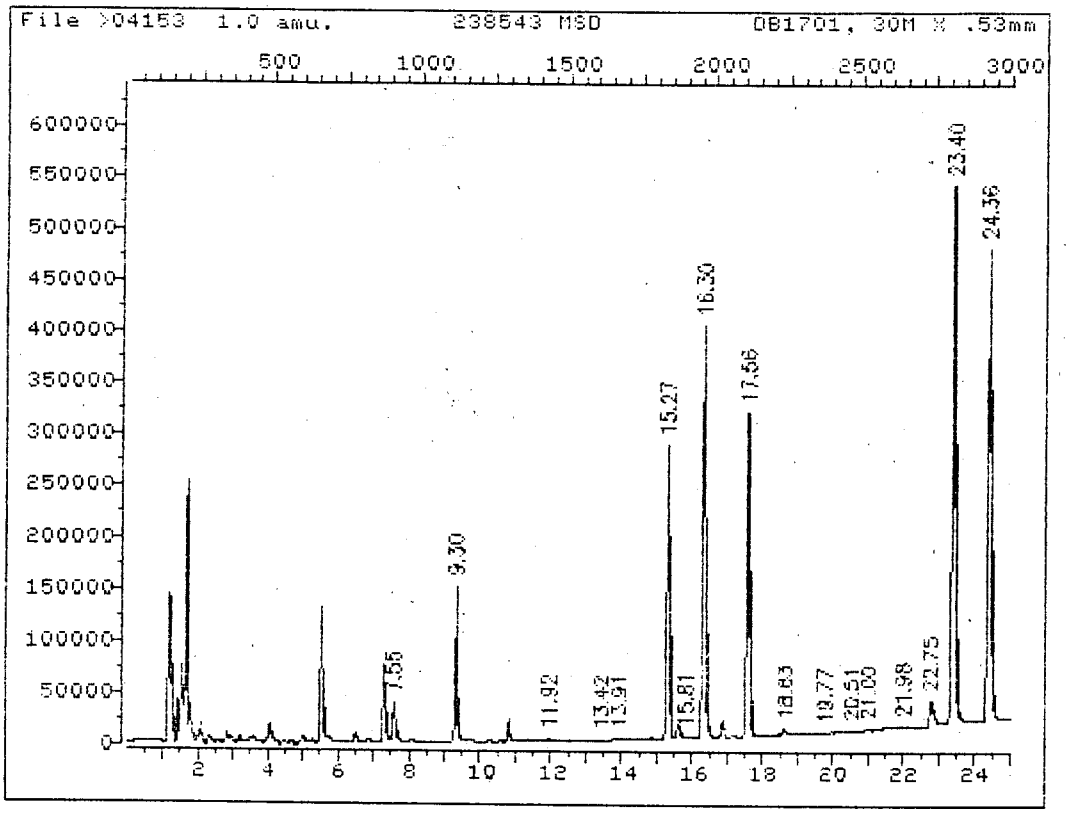
Quant Rev: 7
Quant Time: 960706 17:17
Injected at: 960706 16:26
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	832326	20.10	ng/ml	100
2)	~~#alpha-~~BHC NT	13.42	1610	6795	.207	ng/ml	100
3)	~~#beta BH~~C NT	18.63	2235	41743	1.59	ng/ml	100
4)	~~#delta BHC~~ NT	19.77	2372	5538	.227	ng/ml	100
5)	#gamma-BHC (Lindane)	15.27	1832	1372111	40.35	ng/ml	100
6)	#Heptachlor	16.30	1956	2218849	46.78	ng/ml	100
7)	#Aldrin	17.56	2107	1692048	44.93	ng/ml	100
8)	~~#Heptachlor epoxide~~ NT	20.51	2461	9263	.212	ng/ml	100
10)	#Dieldrin	23.40	2808	3149966	97.00	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.75	2730	233807	8.42	ng/ml	100
12)	#Endrin	24.36	2923	2852060	98.39	ng/ml	100
14)	~~#4,4'-DDD~~ NT	26.54	3184	59906	2.83	ng/ml	100
16)	#4,4'-DDT	27.42	3290	1620227	98.32	ng/ml	100
17)	~~#Methoxychlor~~ NT	30.94	3712	116525	8.66	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.94	3952	37304	1.32	ng/ml	100
19)	#Decachlorobiphenyl	38.69	4643	848578	18.17	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.98	2638	5128	.128	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	11.92	1431	12014	9.73	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	204709	258.85	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	204709	171.91	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	11.92	1431	12014	11.36	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.91	1669	6096	5.53	ng/ml	100
28)	~~#Aroclor-1254(1)~~ NP	17.56	2107	1692048	1065.09	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.86	3463	32207	1.06	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.22	3386	54503	75.62	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	13.91	1669	6096	2.49	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.81	1897	6347	1.64	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.63	2235	41743	20.26	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	11.92	1431	12014	7.00	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	11.92	1431	12014	10.26	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.91	1669	6096	5.92	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.81	1897	6347	4.06	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.91	1669	6096	3.07	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.81	1897	6347	2.06	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.56	2107	1692048	2138.48	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.81	1897	6347	2.43	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.63	2235	41743	16.94	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	21.00	2520	7713	4.21	ng/ml	100

Compound uses ESTD

EPuci
7/8/96

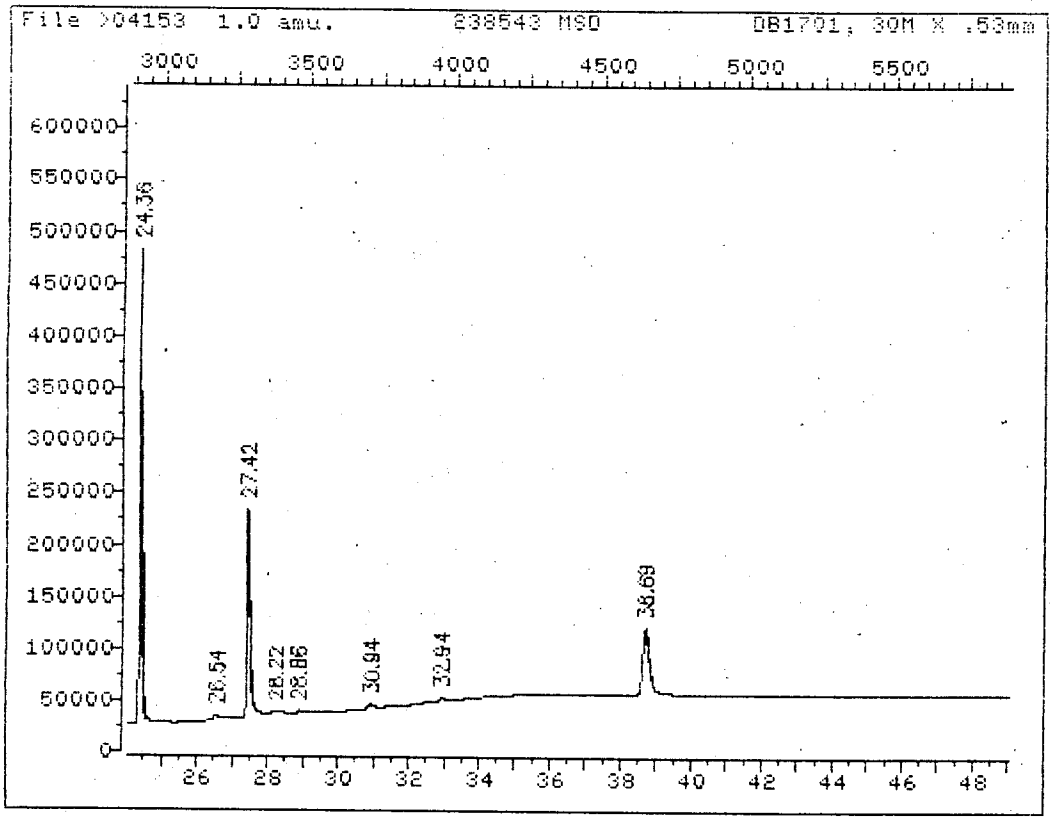


Data File: >04153::G5 Quant Output File: ^04153::F3
Name: 238543 MSD Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 17:17
Injected at: 960706 16:26

Page 1 of 2



Data File: >04153::G5 Quant Output File: ^04153::F3
Name: 238543 MSD 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 17:17
Injected at: 960706 16:26

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1	MSD

Lab Name: ICM Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: 238535

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03282

% Moisture: 1. 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: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.4	U
319-85-7	beta-BHC	3.4	U
319-86-8	delta-BHC	3.4	U
58-89-9	gamma-BHC (Lindane)	5.1	P
76-44-8	Heptachlor	3.6	P
309-00-2	Aldrin	14.	P
1024-57-3	Heptachlor epoxide	3.4	U
959-98-8	Endosulfan I	3.4	U
60-57-1	Dieldrin	51.	P
72-55-9	4,4'-DDE	6.7	U
72-20-8	Endrin	160.	E P
33213-65-9	Endosulfan II	6.7	U
72-54-8	4,4'-DDD	6.7	U
1031-07-8	Endosulfan Sulfate	6.7	U
50-29-3	4,4'-DDT	25.	
72-43-5	Methoxychlor	34.	U
53494-70-5	Endrin ketone	6.7	U
7421-93-4	Endrin aldehyde	6.7	U
5103-71-9	alpha-Chlordane	3.4	U
5103-74-2	gamma-Chlordane	3.4	U
8001-35-2	Toxaphene	340.	U
12674-11-2	Aroclor-1016	67.	U
11104-28-2	Aroclor-1221	140.	U
11141-16-5	Aroclor-1232	67.	U
53469-21-9	Aroclor-1242	67.	U
12672-29-6	Aroclor-1248	67.	U
11097-69-1	Aroclor-1254	3900.	E
11096-82-5	Aroclor-1260	67.	U

QUANT REPORT

Operator ID: TRFI2
Output File: ^03282::GQ
Data File: >03282::F3
Name: 238535MSD 2XDL
Misc: DB608 30M X .53mm GC58903 1ul inj.

Quant Rev: 7
Quant Time: 960712 14:03
Injected at: 960712 12:03
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1088	1263173	10.09	ng/ml	100
2)	#~~alpha-BHC~~ NT	12.46	1495	798478	5.39	ng/ml	100
3)	#~~beta-BHC~~ NT	14.82	1778	956551	11.65	ng/ml	100
4)	#~~delta-BHC~~ NT	16.67	2000	565252	4.68	ng/ml	100
5)	#gamma-BHC (Lindane)	14.34	1721	2429841	17.78	ng/ml	100
6)	#Heptachlor	15.84	1901	1176662	15.08	ng/ml	100
7)	#Aldrin	17.37	2084	2872424	21.32	ng/ml	100
8)	#~~Heptachlor epoxide~~ NT	19.93	2391	3967638	36.12	ng/ml	100
9)	#~~Endosulfan I~~ NT	21.70	2604	7178762	58.92	ng/ml	100
10)	#Dieldrin	22.98	2758	22400220	236.91	ng/ml	100
11)	#~~4,4' DDE~~ NT	22.68	2722	13962788	152.63	ng/ml	100
12)	#Endrin	24.82	2978	20393380	238.26	ng/ml	100
13)	#~~Endosulfan II~~ NT	25.85	3102	8113866	84.25	ng/ml	100
14)	#~~4,4' DDD~~ NT	25.53	3063	1014925	17.62	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NT	28.39	3406	448176	5.06	ng/ml	100
16)	#4,4'-DDT	27.07	3248	2880173	44.44	ng/ml	100
17)	#~~Methoxychlor~~ NT	32.45	3894	2047085	52.73	ng/ml	100
18)	#~~Endrin ketone~~ NT	32.88	3945	6493256	72.12	ng/ml	100
19)	#Decachlorobiphenyl	41.59	4991	2128494	17.78	ng/ml	100
20)	#~~alpha-Chlordane~~ NT	21.43	2572	12634108	92.00	ng/ml	100
21)	#~~gamma-Chlordane~~ NT	20.82	2498	22211812	188.49	ng/ml	100
22)	#~~Toxaphene(1)~~ NP	23.83	2859	8281607	5163.98	ng/ml	100
23)	#~~Aroclor-1016(1)~~ NP	12.27	1473	81196	27.62	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	8.07	968	142215	167.70	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	12.27	1473	81196	28.34	ng/ml	100
26)	#~~Aroclor-1242(1)~~ NP	12.27	1473	81196	31.13	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	16.02	1923	7146048	944.35	ng/ml	100
28)	#Aroclor-1254(1)	20.82	2498	22211812	4684.60	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.37	2924	15424402	1989.72	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	27.68	3321	4793475	60.77	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	27.68	3321	4778564	2596.84	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.39	3406	448176	179.31	ng/ml	100
34)	#~~Aroclor-1016(2)~~ NP	14.34	1721	2429841	371.71	ng/ml	100
35)	#~~Aroclor-1016(3)~~ NP	16.02	1923	7146048	646.95	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.89	2027	135109	36.18	ng/ml	100
37)	#~~Aroclor-1016(5)~~ NP	18.99	2279	11824586	3480.21	ng/ml	100
38)	#~~Aroclor-1221(2)~~ NP	11.24	1349	30462	18.13	ng/ml	100
39)	#~~Aroclor-1221(3)~~ NP	12.27	1473	81196	21.28	ng/ml	100
40)	#~~Aroclor-1232(2)~~ NP	14.34	1721	2429841	861.02	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	16.02	1923	7146048	1518.94	ng/ml	100

7/19/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^03282::GQ
Data File: >03282::F3
Name: 238535MSD 2XDL
Misc: DB608 30M X .53mm GC58903 1ul inj.

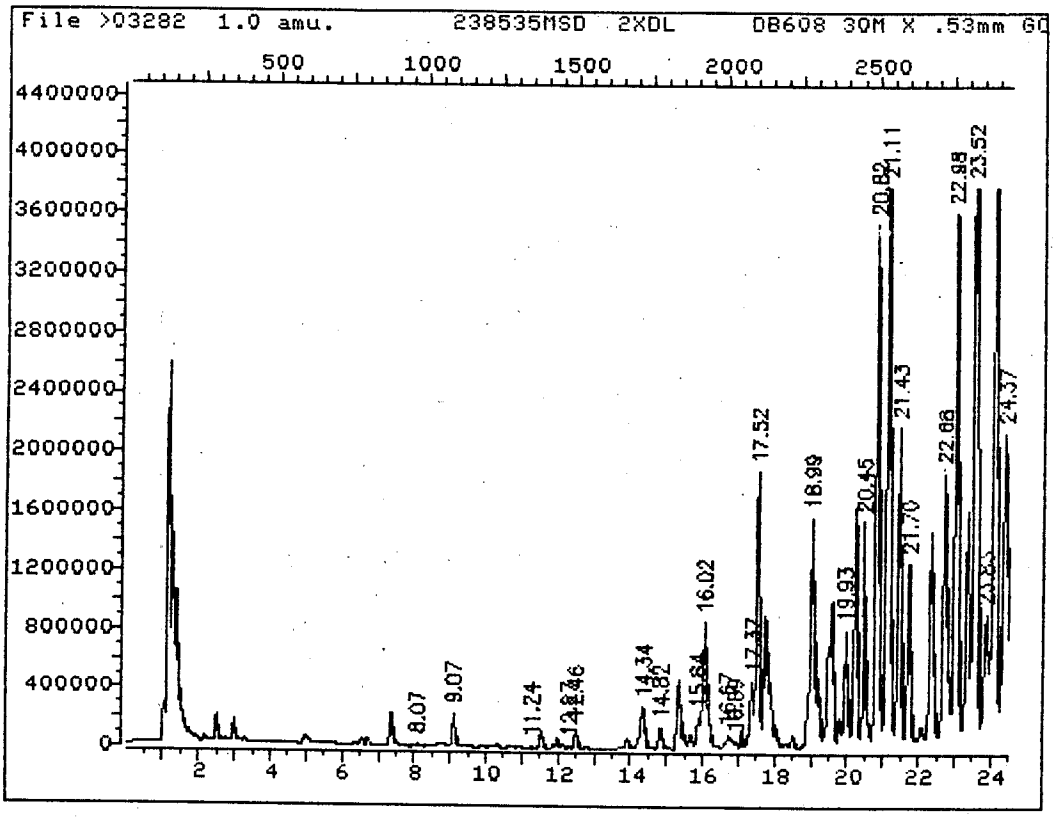
Quant Rev: 7
Quant Time: 960712 14:03
Injected at: 960712 12:03
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
42)	#~~Aroclor-1232(4)~~ NP	16.67	2000	565252	328.30	ng/ml	100
43)	#~~Aroclor-1242(2)~~ NP	14.34	1721	2429841	451.44	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	16.02	1923	7146048	801.73	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.67	2000	565252	178.71	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	18.99	2279	11824586	3956.09	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	17.52	2102	9873656	3785.42	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	18.99	2279	11824586	2847.49	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.45	2454	9450722	1950.60	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.70	2604	7178762	1302.09	ng/ml	100
51)	#Aroclor-1254(2)	21.11	2533	27090804	4888.39	ng/ml	100
52)	#Aroclor-1254(3)	22.68	2722	13962788	8659.63	ng/ml	100
53)	#Aroclor-1254(4)	23.52	2822	32593788M	5368.69	ng/ml	100
54)	#Aroclor-1254(5)	24.82	2978	20109412	5608.35	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	24.82	2978	20109412	2870.98	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.53	3183	11636476	2229.10	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.12	3614	10357642	958.63	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.88	3945	6493256	1176.10	ng/ml	100

Compound uses ESTD

7/19/96



Data File: >03282::F3 Quant Output File: ^03282::GQ
Name: 238535MSD 2XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 14:03
Injected at: 960712 12:03

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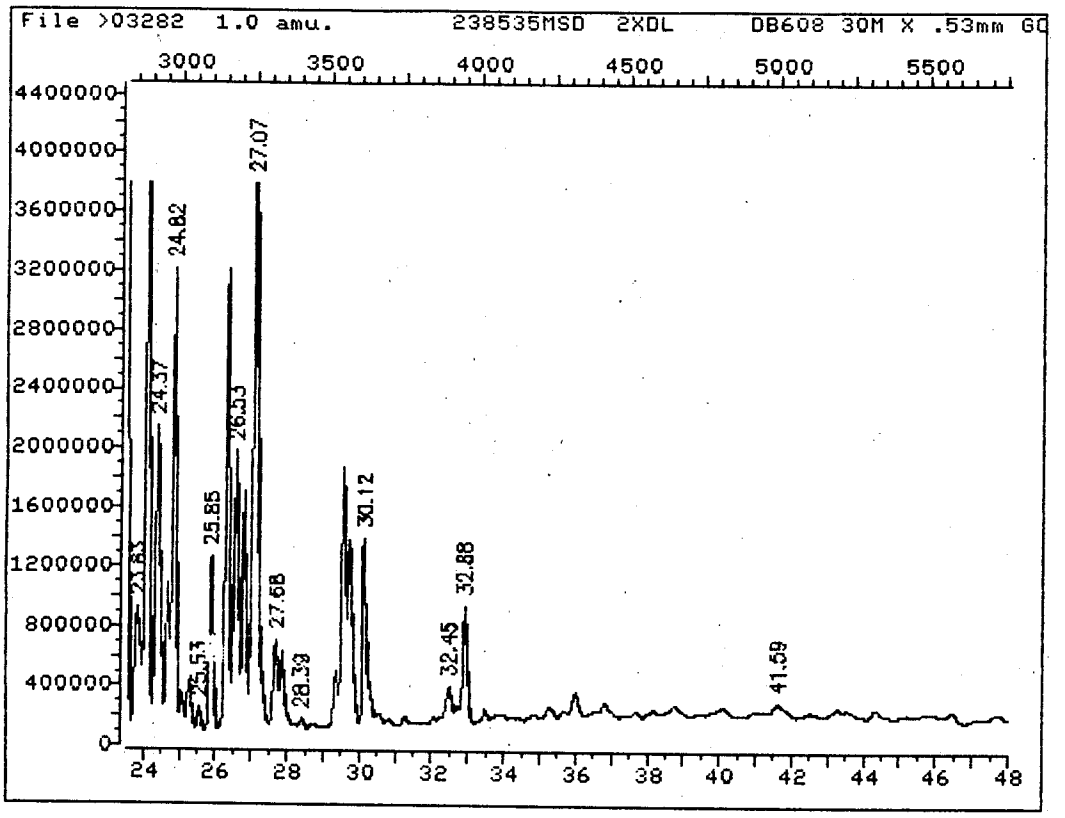
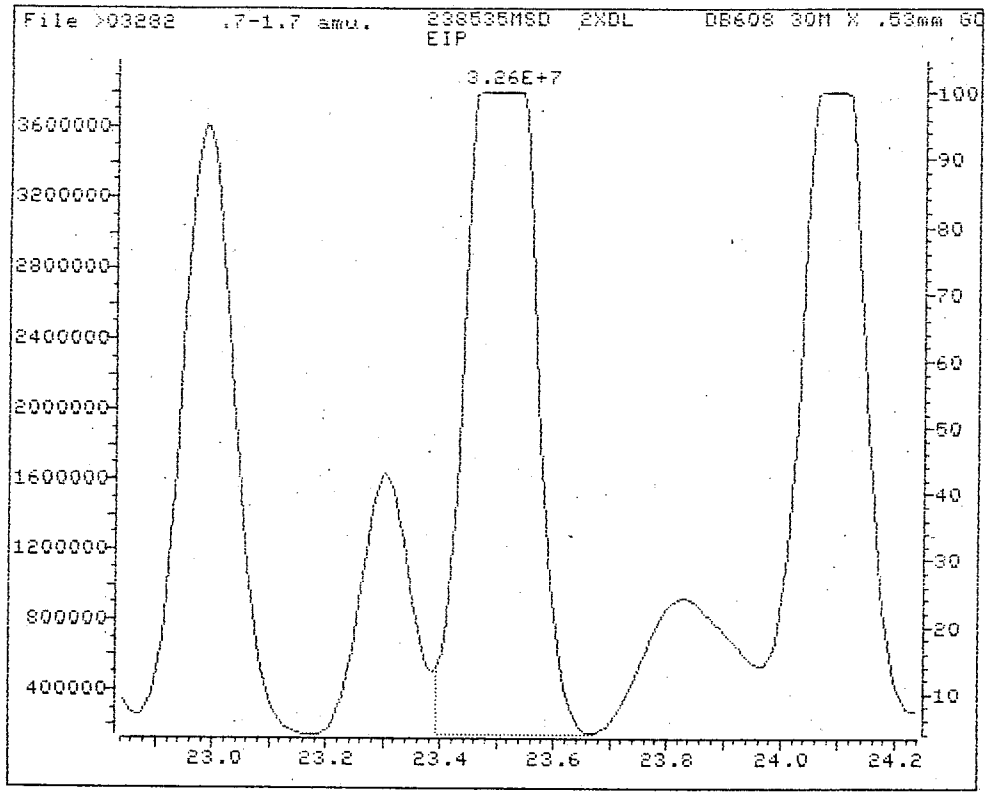


Data File: >03282::F3 Quant Output File: ^03282::GQ
Name: 238535MSD 2XDL Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 14:03
Injected at: 960712 12:03

Page 2 of 2



Data File: >03282::F3
Name: 238535MSD 2XDL
Misc: DB608 30M X .53mm GC58903 1ul inj.
Quant Time: 960712 14:03
Injected at: 960712 12:03

Quant Output File: ^03282::GQ
Instrument ID: GC03
Quant ID File: IDCAP1::SC
Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2822
Retention Time: 23.52 min.
Quant Ion: 1.0
Area: 32593788M
Concentration: 5368.69 ng/ml
q-value: 100

This report was produced by QAREA on: 960716 08:56

SUMMARY REPORT

Operator ID: TRFII Quant Rev: 7 Quant Time: 960712 14:04
Output File: 04282:.GC Injected at: 960712 12:03
Data File: 04282:.G1 Dilution Factor: 1.00000
Name: 238335-SD 2X0L Instrument ID: GC04
Misc: CB1701 30M X .53mm 0150903 1ul inj.

ID File: IDCAP2:.SC
Title: Capillary Column CB1701
Last Calibration: 941027 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	457016	11.04	ng/ml	100
2)	~~#alpha-BHC~~ NT	13.50	1620	6510	.199	ng/ml	100
3)	~~#beta-BHC~~ NT	18.54	2225	6498327	247.31	ng/ml	100
4)	~~#delta-BHC~~ NT	19.66	2359	1062712	43.60	ng/ml	100
5)	#gamma-BHC (Lindane)	15.27	1832	259260	7.62	ng/ml	100
6)	#Heptachlor	16.31	1957	259173	5.38	ng/ml	100
7)	#Aldrin	17.44	2093	10582160	280.99	ng/ml	100
9)	~~#Endosulfan I~~ NT	21.71	2605	221787	6.21	ng/ml	100
10)	#Dieldrin	23.37	2804	2488545	76.63	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.71	2725	4555971	164.11	ng/ml	100
12)	#Endrin	24.23	2908	15586778	537.69	ng/ml	100
13)	~~#Endosulfan II~~ NT	26.79	3214	925672	25.86	ng/ml	100
14)	~~#4,4'-DDD~~ NT	26.58	3189	21458256	1015.49	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NT	30.50	3660	65866	2.49	ng/ml	100
16)	#4,4'-DDT	27.39	3287	623185	37.82	ng/ml	100
17)	~~#Methoxychlor~~ NT	30.88	3705	92676	6.89	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.89	3947	205446	7.30	ng/ml	100
19)	#Decachlorobiphenyl	38.64	4637	596656	12.78	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.20	2664	6746629	161.77	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.96	2635	1138271	28.48	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.08	1450	133609	108.18	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.56	907	170402	215.47	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.56	907	170402	143.10	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.08	1450	133609	126.29	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.84	1661	474564	430.84	ng/ml	100
28)	~~#Aroclor-1254(1)~~ ~~NP~~ OK	17.44	2093	10561178	6647.94	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.75	2850	10095040	4369.52	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.91	3469	711470	23.41	ng/ml	100
31)	~~#Toxaphene(2)~~	28.40	3408	6859865	9517.81	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	30.50	3660	65866	133.64	ng/ml	100
33)	~~#Toxaphene(4)~~	31.67	3800	428774	854.48	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.84	1661	474564	194.12	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.97	1916	2570908	662.75	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.52	1982	351537	241.42	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.54	2225	6498327	3153.49	ng/ml	100
38)	~~#Aroclor-1221(2)~~	10.98	1318	27451	41.85	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.08	1450	133609	77.90	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.08	1450	133609	114.05	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.84	1661	474564	460.88	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.97	1916	2570908	1645.75	ng/ml	100

EPM
7/13/96

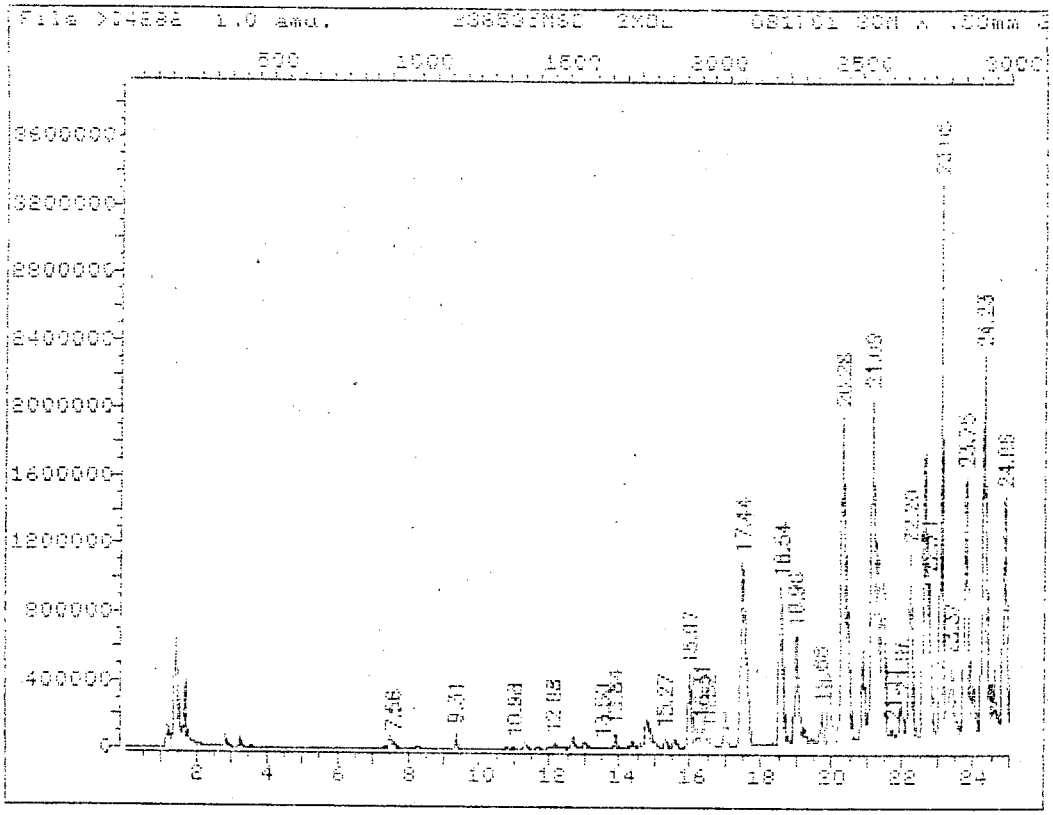
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 14:04
Output File: 04282::CQ Injected at: 960712 12:03
Data File: >04282::61 Dilution Factor: 1.00000
Name: 258535MSD 2XDL Instrument ID: GC04
Misc: 081701 30M x .53mm 0058903 1ul inj.

ID File: IDCAP2::SC
Title: Capillary Column 081701
Last Calibration: 941029 10:07 Last Cal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
43)	~~#Aroclor-1242(2)~~	13.84	1661	474564	238.92	ng/ml	100
44)	~~#Aroclor-1242(3)~~	15.97	1916	2570908	833.85	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.52	1982	351587	307.61	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.44	2093	10561178	13347.63	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.97	1916	2570908	984.16	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.54	2225	6498537	2637.25	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.96	2275	4525542	2563.52	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.28	2433	12528620	13053.36	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2433	12528620	6162.14	ng/ml	100
52)	#Aroclor-1254(3)	21.09	2531	12003896	6545.16	ng/ml	100
53)	#Aroclor-1254(4)	23.05	2766	20254656	7943.94	ng/ml	100
54)	#Aroclor-1254(5)	23.75	2850	10095040	7443.29	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.86	2983	9621440	3543.67	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	28.40	3408	6806711	3835.11	ng/ml	100
57)	~~#Aroclor-1260(4)~~	29.99	3599	4364311	1110.07	ng/ml	100
58)	~~#Aroclor-1260(5)~~	31.98	3837	3578128	1440.79	ng/ml	100

Compound uses ESTD

EPMc
7/13/96

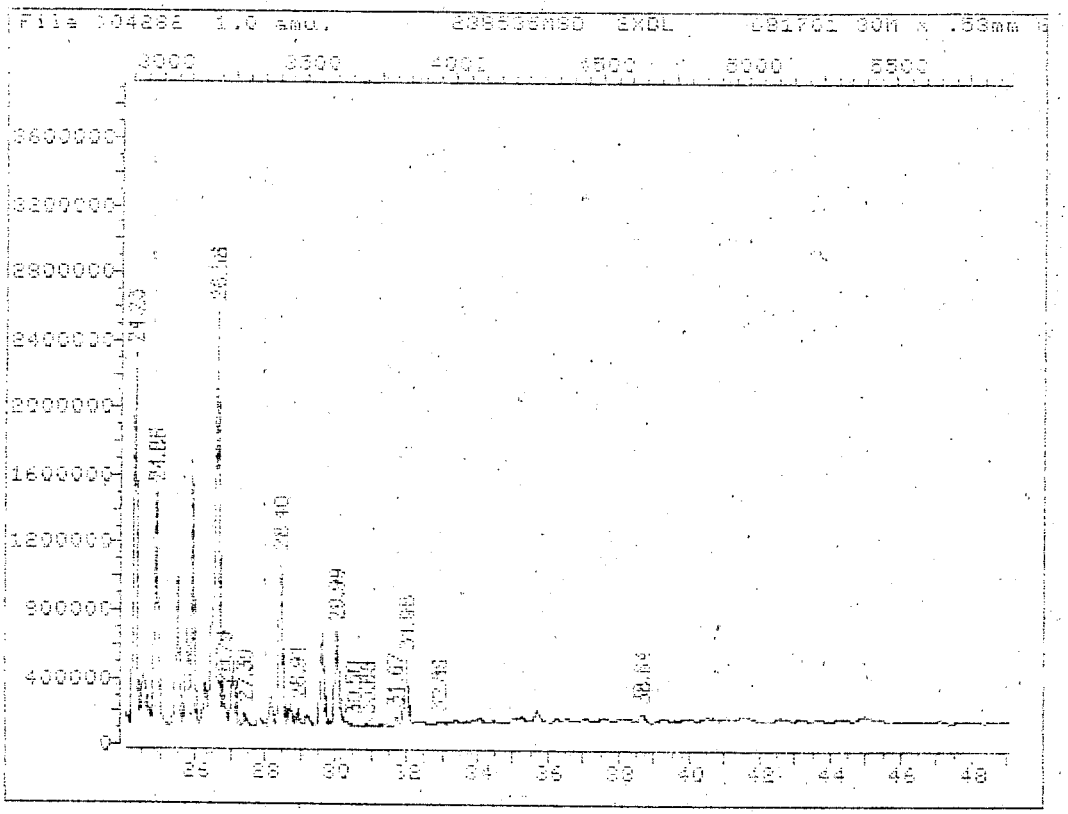


Data File: >04282::01 Quant Output File: ^04282::00
Name: 2SB535MSD 2XDL Instrument ID: GC04
Misc: DB1701 30M X .53mm GC58905 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Ocal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 14:04
Injected at: 960712.12:03

Page 1 of 2



Data File: >04282::G1 Quant Output File: ^04282::SQ
Name: ZF8535MSD 2XDL Instrument ID: GC04
Misc: DB1701 30M X .53mm SC58903 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941020 10:07 Last Qual Time: 960701 21:23

Operator ID: TRF22
Quant Time : 960712 14:04
Injected at: 960712 12:03

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS1 MSD

Lab Name: ICM Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: 238536

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03400

% Moisture: 8. 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: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC (Lindane)	9.4	J P
76-44-8	Heptachlor	23.	P
309-00-2	Aldrin	98.	P
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	270.	P
72-55-9	4,4'-DDE	35.	U
72-20-8	Endrin	890.	E P
33213-65-9	Endosulfan II	35.	U
72-54-8	4,4'-DDD	35.	U
1031-07-8	Endosulfan Sulfate	35.	U
50-29-3	4,4'-DDT	50.	P
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	35.	U
7421-93-4	Endrin aldehyde	35.	U
5103-71-9	alpha-Chlordane	18.	U
5103-74-2	gamma-Chlordane	18.	U
8001-35-2	Toxaphene	1800.	U
12674-11-2	Aroclor-1016	350.	U
11104-28-2	Aroclor-1221	720.	U
11141-16-5	Aroclor-1232	350.	U
53469-21-9	Aroclor-1242	350.	U
12672-29-6	Aroclor-1248	350.	U
11097-69-1	Aroclor-1254	21000.	E
11096-82-5	Aroclor-1260	350.	U

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 14:48
Output File: ^03400::G9 Injected at: 960717 13:16
Data File: >03400::G2 Dilution Factor: 1.00000
Name: 238536MSD 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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1088	422359	3.53	ng/ml	100
2)	#~~alpha-BHC~~ NT	12.46	1495	1375606	9.23	ng/ml	100
3)	#~~beta-BHC~~ NT	14.82	1778	976067	11.93	ng/ml	100
4)	#~~delta-BHC~~ NT	16.57	1989	171382	1.33	ng/ml	100
5)	#gamma-BHC (Lindane)	14.31	1717	1546121	11.16	ng/ml	100
6)	#Heptachlor	16.02	1923	11575058	110.18	ng/ml	100
7)	#Aldrin	17.37	2084	3694564	27.67	ng/ml	100
8)	#~~Heptachlor epoxide~~ NT	19.93	2391	5777165	46.27	ng/ml	100
9)	#~~Endosulfan I~~ NT	21.71	2605	9891888	93.20	ng/ml	100
10)	#Dieldrin	22.99	2759	24282344	257.40	ng/ml	100
11)	#~~4,4'-DDE~~ NT	22.68	2722	16304598	176.57	ng/ml	100
12)	#Endrin	24.83	2979	21753184	248.88	ng/ml	100
13)	#~~Endosulfan II~~ NT	25.85	3102	9400222	94.99	ng/ml	100
14)	#~~4,4'-DDD~~ NT	25.53	3063	1309889	21.21	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NT	28.39	3407	688964	7.83	ng/ml	100
16)	#4,4'-DDT	27.07	3248	5001876	73.63	ng/ml	100
17)	#Methoxychlor NT	32.46	3895	2976805	74.82	ng/ml	100
18)	#Endrin ketone NT	32.67	3920	860283	9.28	ng/ml	100
19)	#Decachlorobiphenyl	41.63	4995	611434	5.29	ng/ml	100
20)	#~~alpha-Chlordane~~ NT	21.44	2573	14027134	116.40	ng/ml	100
21)	#~~gamma-Chlordane~~ NT	20.83	2499	24629620	203.69	ng/ml	100
22)	#~~Toxaphene(1)~~ NP	23.83	2860	9545414	5974.02	ng/ml	100
23)	#~~Aroclor-1016(1)~~ NP	12.28	1474	48141	16.85	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	8.05	966	43928	51.09	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	12.28	1474	48141	17.89	ng/ml	100
26)	#~~Aroclor-1242(1)~~ NP	12.28	1474	48141	19.84	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	16.02	1923	11422424	1516.22	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2499	24629620	4950.75	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.38	2925	17539560	2739.76	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	27.69	3322	5640150	69.72	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	27.69	3322	5640038	3374.18	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.39	3407	688964	324.83	ng/ml	100
34)	#~~Aroclor-1016(2)~~	14.31	1717	1546121	266.28	ng/ml	100
35)	#~~Aroclor-1016(3)~~	16.02	1923	11422424	1022.16	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.67	2001	189137	49.13	ng/ml	100
37)	#~~Aroclor-1016(5)~~	18.99	2279	13780858	4074.37	ng/ml	100
38)	#~~Aroclor-1221(2)~~	11.27	1352	100272	61.70	ng/ml	100
39)	#~~Aroclor-1221(3)~~ NP	12.28	1474	48141	12.99	ng/ml	100
40)	#~~Aroclor-1232(2)~~	14.31	1717	1546121	550.74	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	16.02	1923	11422424	2447.41	ng/ml	100

EP mc
7/22/96

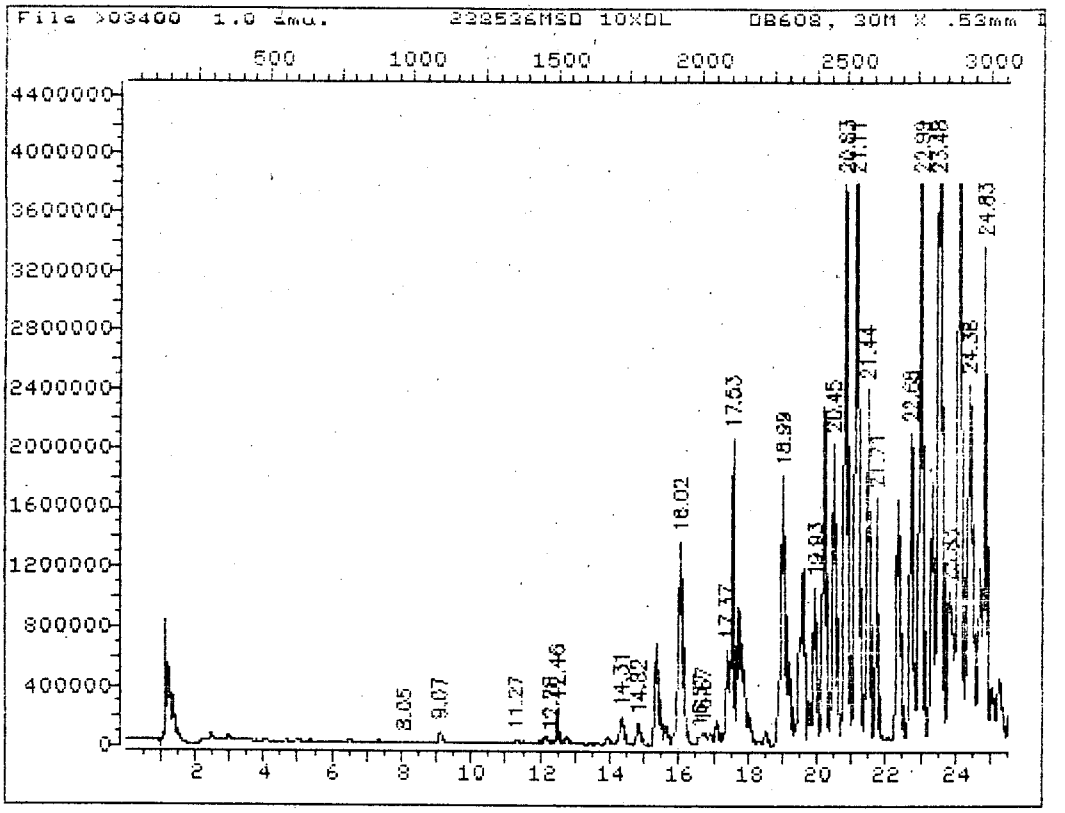
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 14:48
Output File: ^03400::GQ Injected at: 960717 13:16
Data File: >03400::G2 Dilution Factor: 1.00000
Name: 238536MSD 10XDL Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903. 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
42)	#~~Aroclor-1232(4)~~ NP	16.67	2001	189137	108.22	ng/ml	100
43)	#~~Aroclor-1242(2)~~	14.31	1717	1546121	334.00	ng/ml	100
44)	#~~Aroclor-1242(3)~~	16.02	1923	11422424	1288.07	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.67	2001	189137	57.13	ng/ml	100
46)	#~~Aroclor-1242(5)~~	18.99	2279	13780858	4710.97	ng/ml	100
47)	#~~Aroclor-1248(2)~~	17.53	2103	11064434	3465.25	ng/ml	100
48)	#~~Aroclor-1248(3)~~	18.99	2279	13780858	3348.38	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.45	2454	12751742	3104.21	ng/ml	100
50)	#~~Aroclor-1248(5)~~	21.71	2605	9891888	2258.66	ng/ml	100
51)	#Aroclor-1254(2)	21.11	2533	29269708M	4988.44	ng/ml	100
52)	#Aroclor-1254(3)	22.68	2722	16304598	8826.80	ng/ml	100
53)	#Aroclor-1254(4)	23.48	2817	33918392M	5248.17	ng/ml	100
54)	#Aroclor-1254(5)	24.83	2979	21753184	5952.44	ng/ml	100
55)	#~~Aroclor-1260(2)~~	24.83	2979	21753184	3053.42	ng/ml	100
56)	#~~Aroclor-1260(3)~~	26.53	3183	12771830	2774.42	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.12	3614	12021552	1097.57	ng/ml	100
58)	#~~Aroclor-1260(5)~~	32.89	3946	7614381	1544.60	ng/ml	100

Compound uses ESTD

EPM
7/22/96



Data File: >03400::G2 Quant Output File: ^03400::GQ
Name: 238536MSD 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 14:48
Injected at: 960717 13:16

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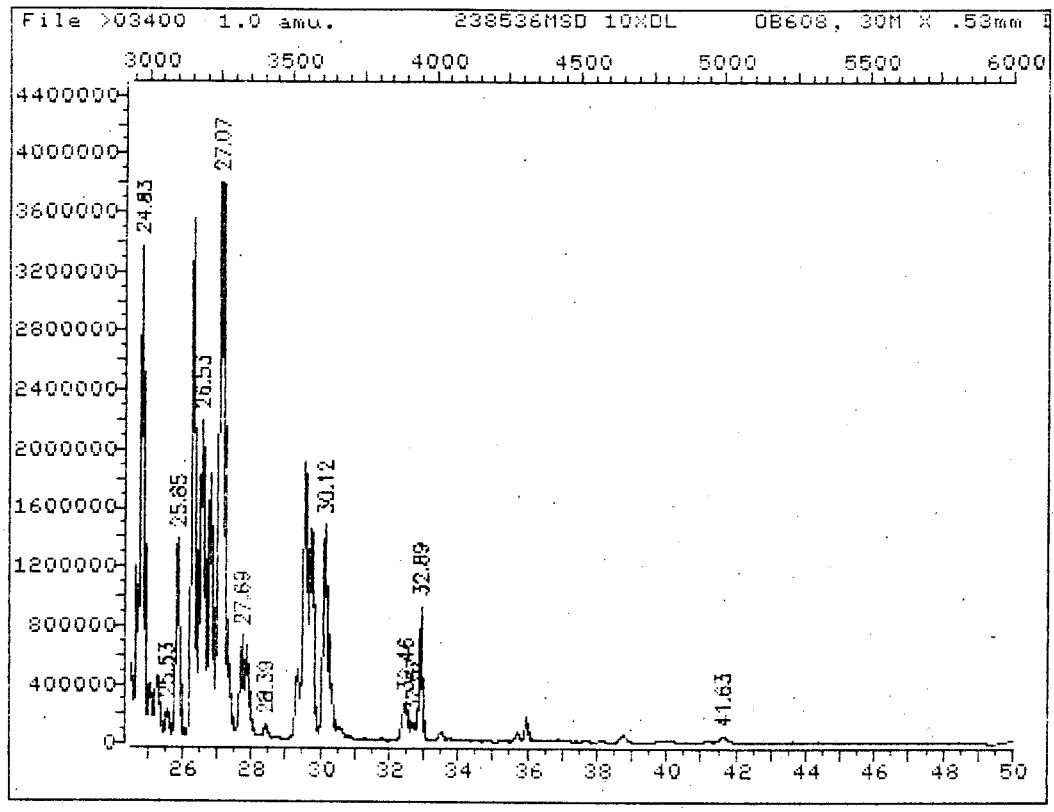
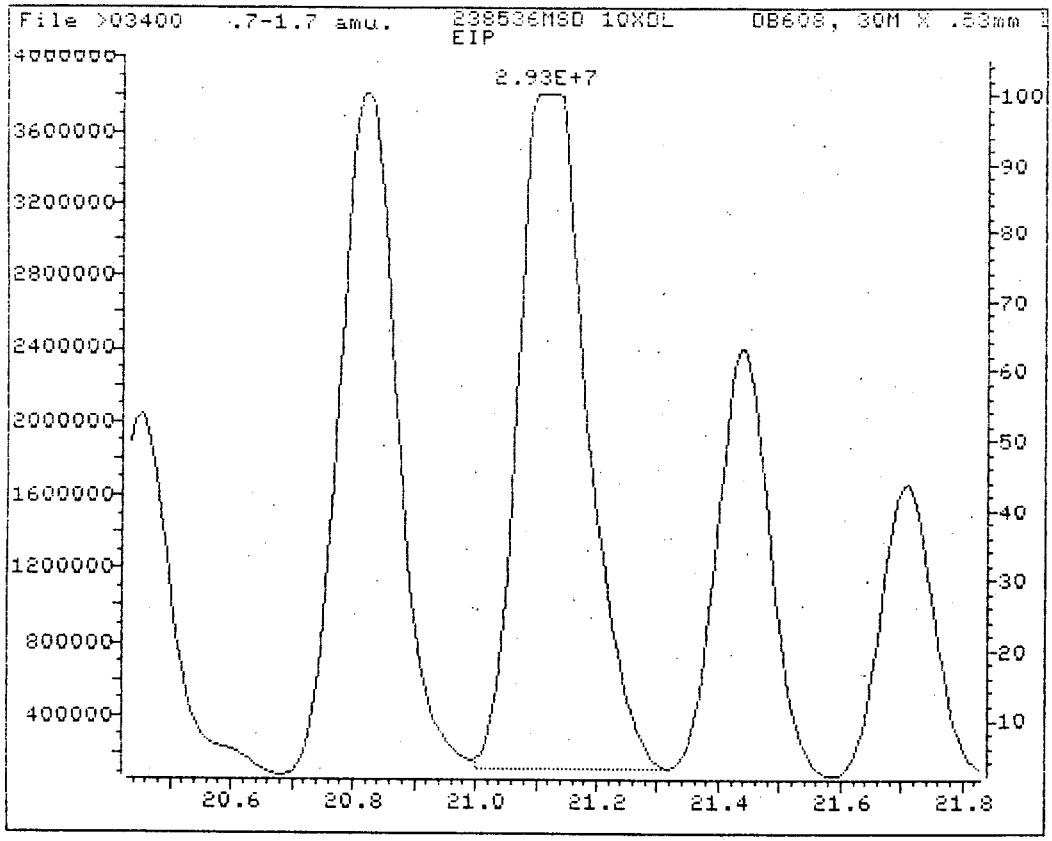


Data File: >03400::G2 Quant Output File: ^03400::GQ
Name: 238536MSD 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 14:48
Injected at: 960717 13:16

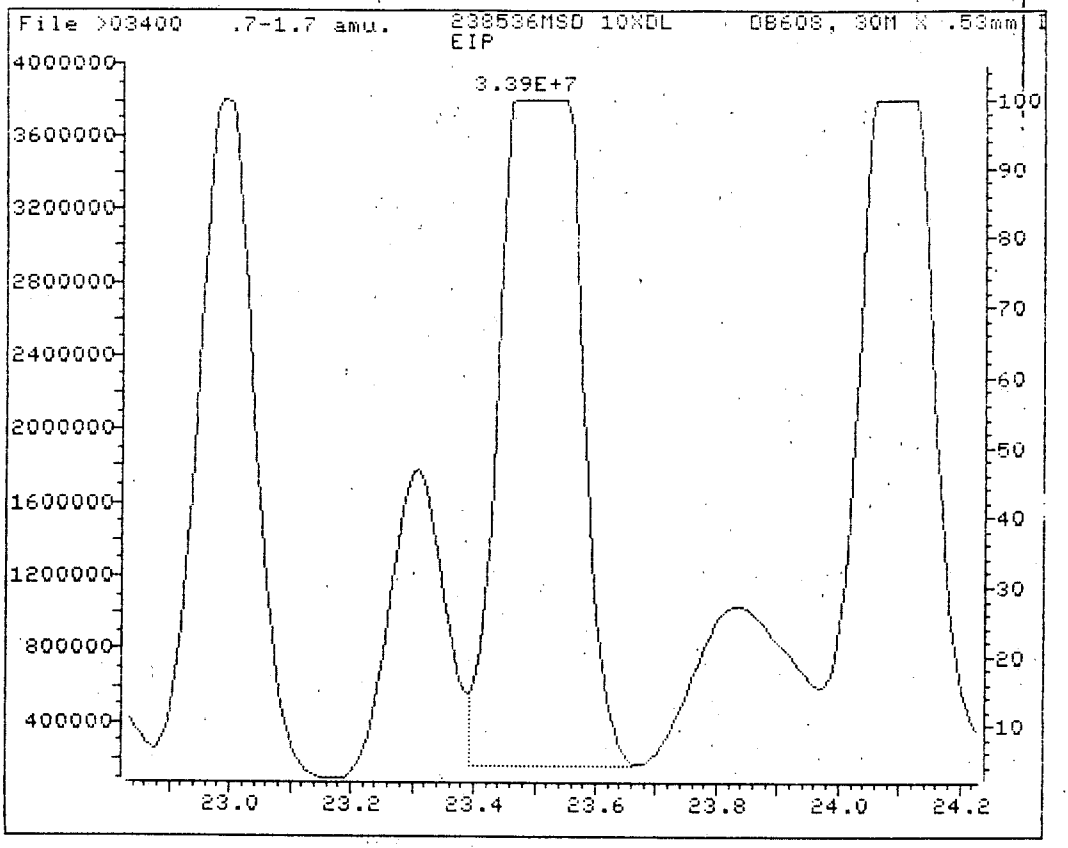
Page 2 of 2



Data File: >03400::G2 Quant Output File: ^03400::GQ
Name: 238536MSD 10XDL Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960717 14:48 Quant ID File: IDCAP5::SC
Injected at: 960717 13:16 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2533
Retention Time: 21.11 min.
Quant Ion: 1.0
Area: 29269708M
Concentration: 4988.44 ng/ml
q-value: 100

This report was produced by QAREA on: 960722 14:38



Data File: >03400::G2 Quant Output File: ^03400::GQ
Name: 238536MSD 10XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960717 14:48 Quant ID File: IDCAP5::SC
Injected at: 960717 13:16 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2817
Retention Time: 23.48 min.
Quant Ion: 1.0
Area: 33918392M
Concentration: 5248.17 ng/ml
q-value: 100

This report was produced by QAREA on: 960722 14:40

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 14:44
Output File: ^04400::G0 Injected at: 960717 13:16
Data File: >04400::G4 Dilution Factor: 1.00000
Name: 238536MSD 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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	135823	3.32	ng/ml	100
2)	~~#alpha-BHC~~ NT	13.30	1596	22703	.698	ng/ml	100
3)	~~#beta-BHC~~ NT	18.54	2225	7061770	281.41	ng/ml	100
4)	~~#delta-BHC~~ NT	19.66	2359	1256397	47.90	ng/ml	100
5)	#gamma-BHC (Lindane)	15.26	1831	90252	2.65	ng/ml	100
6)	#Heptachlor	16.38	1966	297951	6.37	ng/ml	100
7)	#Aldrin	17.43	2092	10825066	289.09	ng/ml	100
9)	~~#Endosulfan I~~ NT	21.75	2610	53531	1.53	ng/ml	100
10)	#Dieldrin	23.37	2804	2460958	76.68	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.71	2725	5114571	180.62	ng/ml	100
12)	#Endrin	24.23	2908	16815616	579.09	ng/ml	100
13)	~~#Endosulfan~~ II NT	26.79	3214	1051959	30.73	ng/ml	100
14)	~~#4,4'-DDD~~ NT	26.58	3189	17470056	908.85	ng/ml	100
16)	#4,4'-DDT	27.40	3288	246203	14.09	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.88	3945	44562	1.40	ng/ml	100
19)	#Decachlorobiphenyl	38.65	4638	212822	4.64	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.20	2664	7339564	176.16	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.96	2635	1236781	30.87	ng/ml	100
23)	~~#Aroclor-1016~~(1) NP	12.07	1449	29398	24.27	ng/ml	100
24)	~~#Aroclor-1221~~(1) NP	7.55	906	31578	41.31	ng/ml	100
25)	~~#Aroclor-1232~~(1) NP	7.55	906	31578	28.61	ng/ml	100
26)	~~#Aroclor-1242~~(1) NP	12.07	1449	29398	28.62	ng/ml	100
27)	~~#Aroclor-1248~~(1) NP	13.84	1661	433748	421.96	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2092	10825066	6827.28	ng/ml	100
29)	~~#Aroclor-1260~~(1) NP	23.75	2850	10949154	4412.26	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.91	3469	841566	26.18	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.40	3408	7577344	11190.48	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.67	3800	409002	789.13	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.84	1661	433748	175.59	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.97	1916	3919693	975.40	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.52	1982	87335	58.80	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.54	2225	7061770	3614.03	ng/ml	100
39)	~~#Aroclor-1221~~(3) NP	12.07	1449	29398	17.34	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.07	1449	29398	25.89	ng/ml	100
41)	~~#Aroclor-1232~~(3) NP	13.84	1661	433748	434.63	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.97	1916	3919693	2407.64	ng/ml	100
43)	~~#Aroclor-1242(2)~~	13.84	1661	433748	224.32	ng/ml	100
44)	~~#Aroclor-1242(3)~~	15.97	1916	3919693	1243.36	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.52	1982	87335	76.31	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.43	2092	10825066	12663.41	ng/ml	100

EBrce
7/22/96

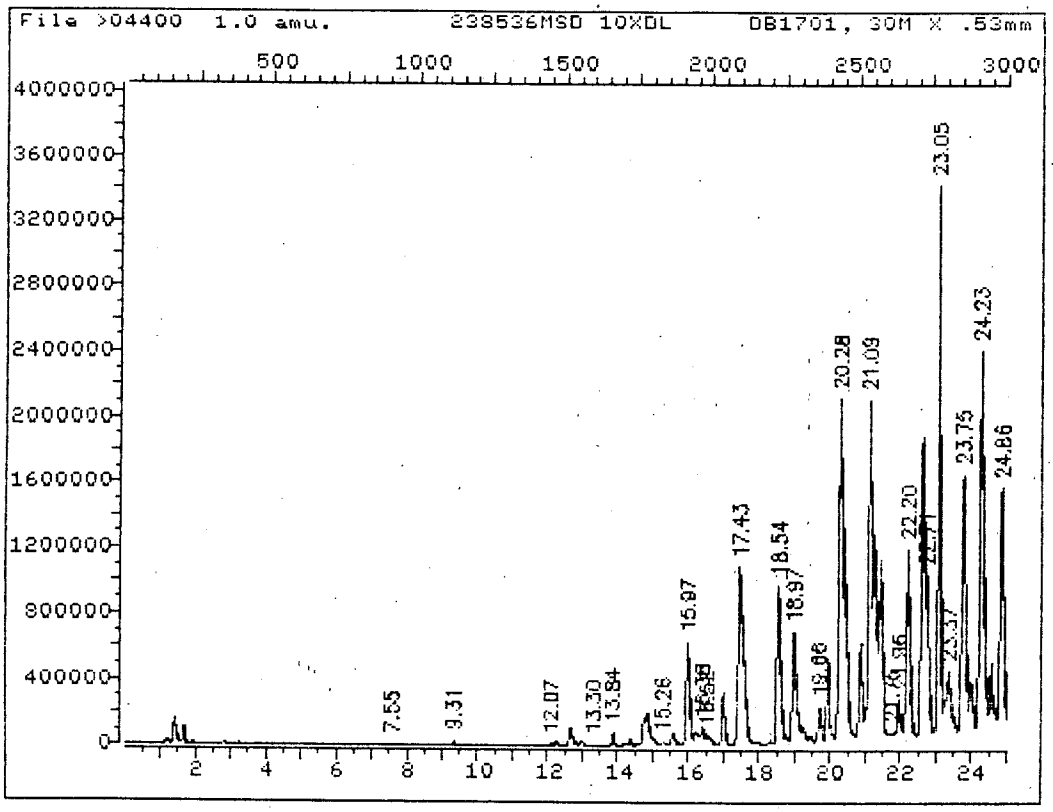
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 14:44
Output File: ^04400::GQ Injected at: 960717 13:16
Data File: >04400::G4 Dilution Factor: 1.00000
Name: 238536MSD 10XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Compound	R.T.	Scan#	Area	Conc	Units	q
47) #~~Aroclor-1248(2)~~	15.97	1916	3919693	1451.23	ng/ml	100
48) #~~Aroclor-1248(3)~~	18.54	2225	7061770	2917.50	ng/ml	100
49) #~~Aroclor-1248(4)~~ NP	18.97	2276	4859411	2659.15	ng/ml	100
50) #~~Aroclor-1248(5)~~	20.28	2433	14078718	12341.09	ng/ml	100
51) #Aroclor-1254(2)	20.28	2433	14078718	6552.08	ng/ml	100
52) #Aroclor-1254(3)	21.09	2531	12345864	6718.43	ng/ml	100
53) #Aroclor-1254(4)	23.05	2766	21550604	8295.55	ng/ml	100
54) #Aroclor-1254(5)	23.75	2850	10949154	7697.72	ng/ml	100
55) #~~Aroclor-1260(2)~~	24.86	2983	10722854	3756.32	ng/ml	100
56) #~~Aroclor-1260(3)~~	28.40	3408	7595136	4566.94	ng/ml	100
57) #~~Aroclor-1260(4)~~ NP	29.99	3599	4834044	1130.09	ng/ml	100
58) #~~Aroclor-1260(5)~~	31.99	3838	4122975	1495.80	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >04400::G4 Quant Output File: ^04400::GQ
Name: 238536MSD 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 14:44
Injected at: 960717 13:16

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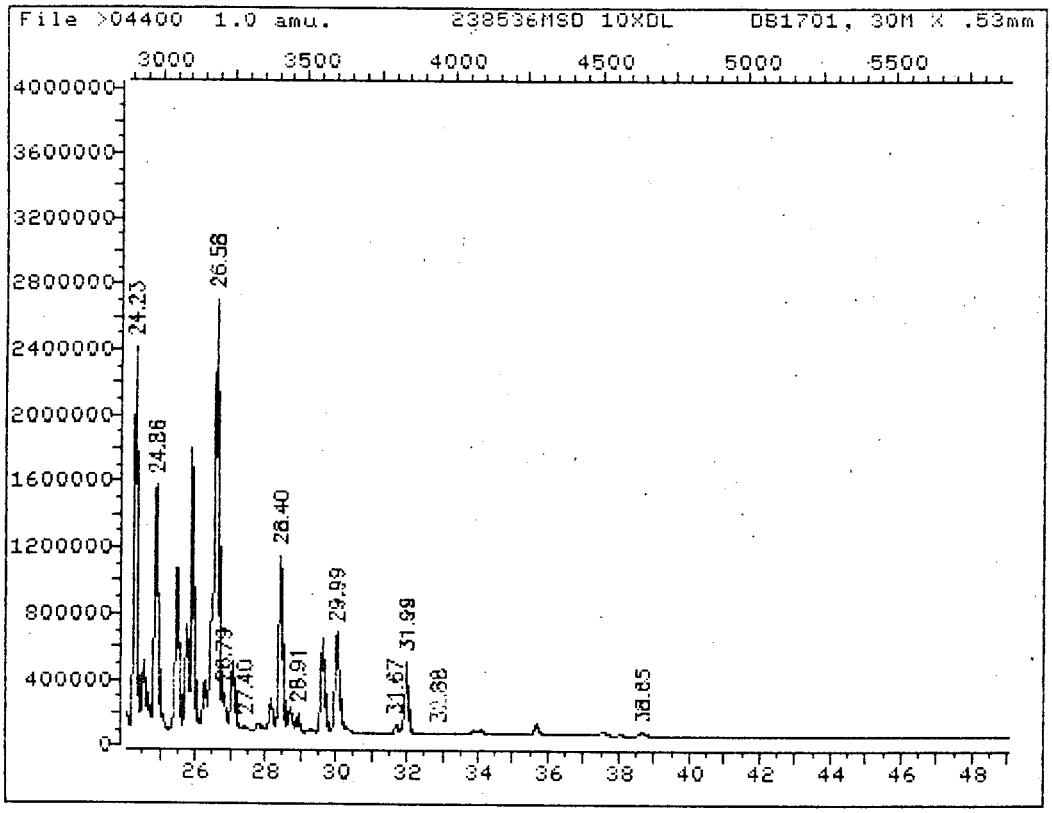
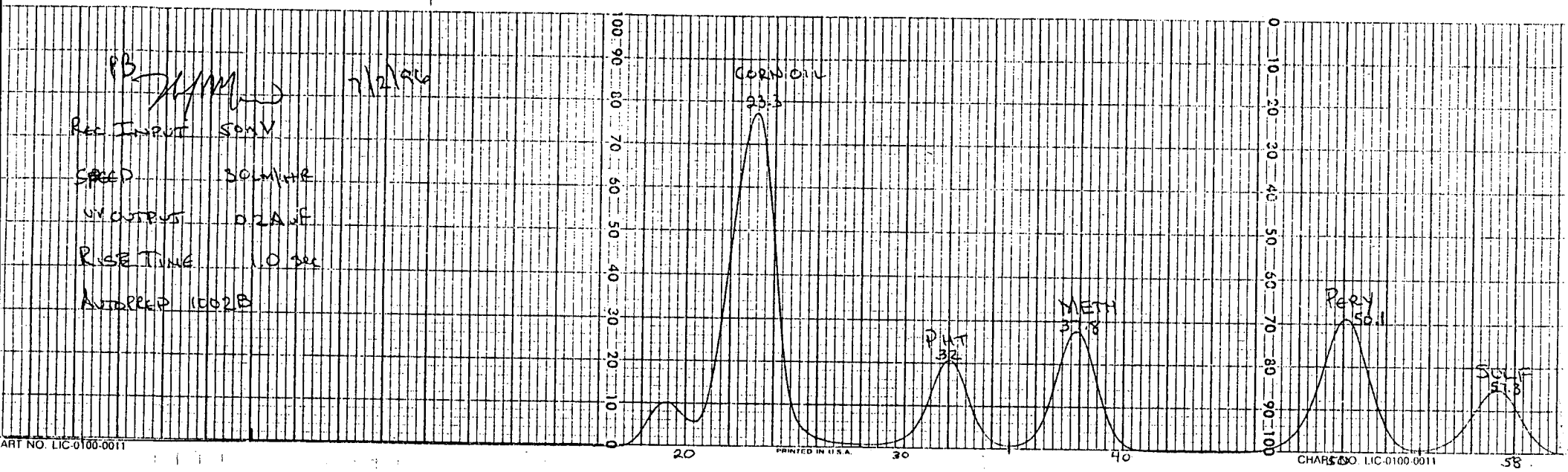


Data File: >04400::G4 Quant Output File: ^04400::GQ
Name: 238536MSD 10XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 14:44
Injected at: 960717 13:16

Page 2 of 2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SPEED 30cm/HR
UV OUTPUT 0.24AUF
RISE TIME 1.0 sec
AUTOREP 1002B
CORN OIL
23.3
PHT
32
METH
37.8
PERY
50.1
SOLF
57.3
100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
20
30
40
50
58
ART NO. LIC-0100-0011
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CHART NO. LIC-0100-0011

1847

QUANT REPORT

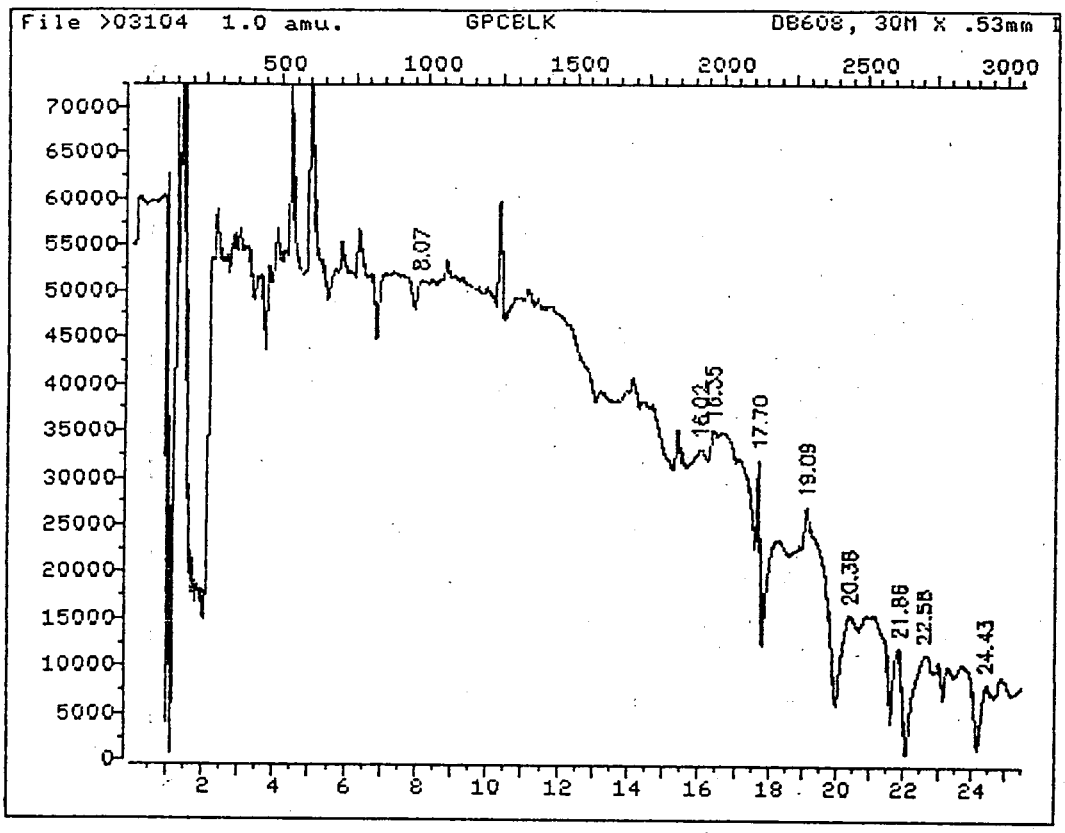
Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960705 17:18
Output File: ^03104::F3
Injected at: 960702 05:54
Data File: >03104::G3
Dilution Factor: 1.00000
Name: GPCBLK
Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
4)	~~#delta-BHC~~ NC	16.35	1962	21247	.176	ng/ml	100
6)	~~#Heptachlor~~ OW	16.02	1922	13849	.177	ng/ml	100
13)	~~#Endosulfan II~~ OW	25.99	3119	8557	.0888	ng/ml	100
14)	~~#4,4'-DDD~~ NC	25.51	3061	33993	.590	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.33	3399	565990	6.39	ng/ml	100
17)	~~#Methoxychlor~~ <CRQL	32.49	3898	138230	3.56	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	8.07	968	21791	25.70	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.02	1922	14749	1.95	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.43	2931	125299	16.16	ng/ml	100
32)	#Toxaphene(3) NP	28.33	3399	565990	226.44	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	16.02	1922	14749	1.34	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.09	2291	29273	8.62	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.02	1922	14749	3.13	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	16.02	1922	14749	1.65	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	19.09	2291	29273	9.79	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.70	2124	123873	47.49	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	19.09	2291	29273	7.05	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.38	2445	265625	54.82	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.86	2623	218648	39.66	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	22.58	2709	229328	142.23	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.59	3191	41910	8.03	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.97	3956	6288	1.14	ng/ml	100

Compound uses ESTD

7/13/96



Data File: >03104::G3 Quant Output File: ^03104::F3
Name: GPCBLK 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 17:18
Injected at: 960702 05:54

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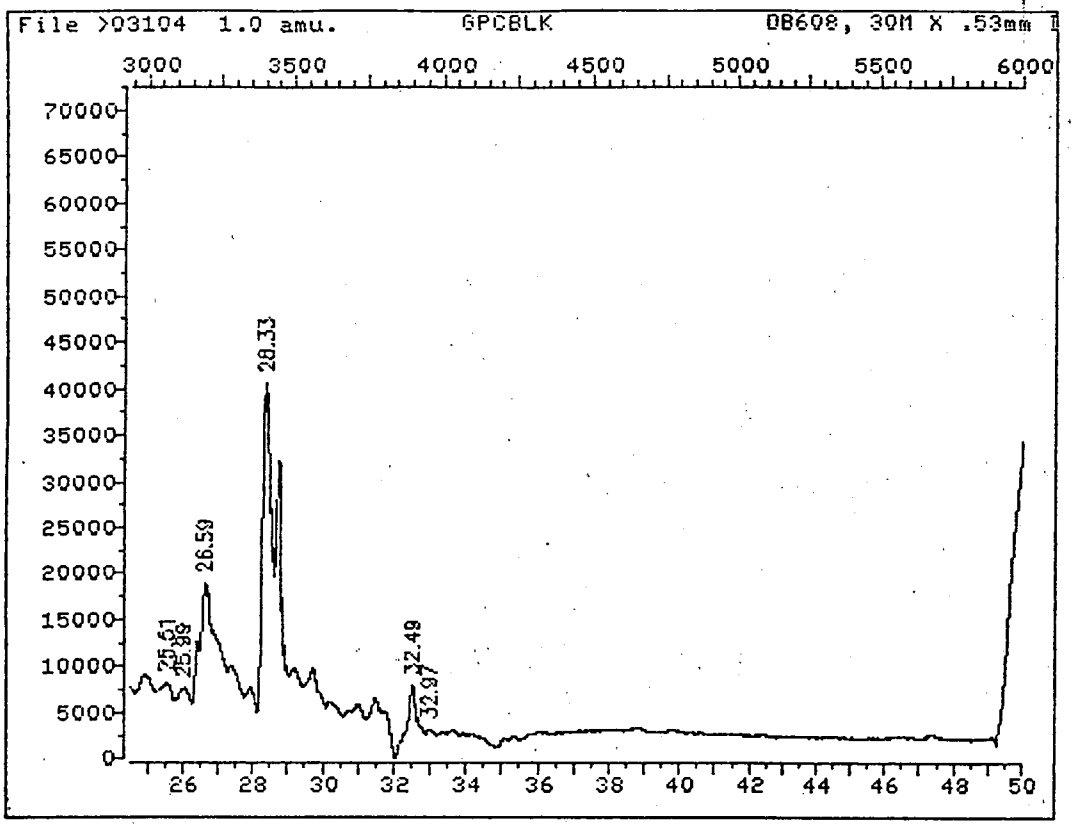

Data File: >03104::G3 Quant Output File: ^03104::F3
Name: GPCBLK Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 17:18
Injected at: 960702 05:54

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04104::F3
Data File: >04104::G5
Name: GPCBLK
Misc: DB1701. 30M X .53mm INST 58903. 1ul INJ

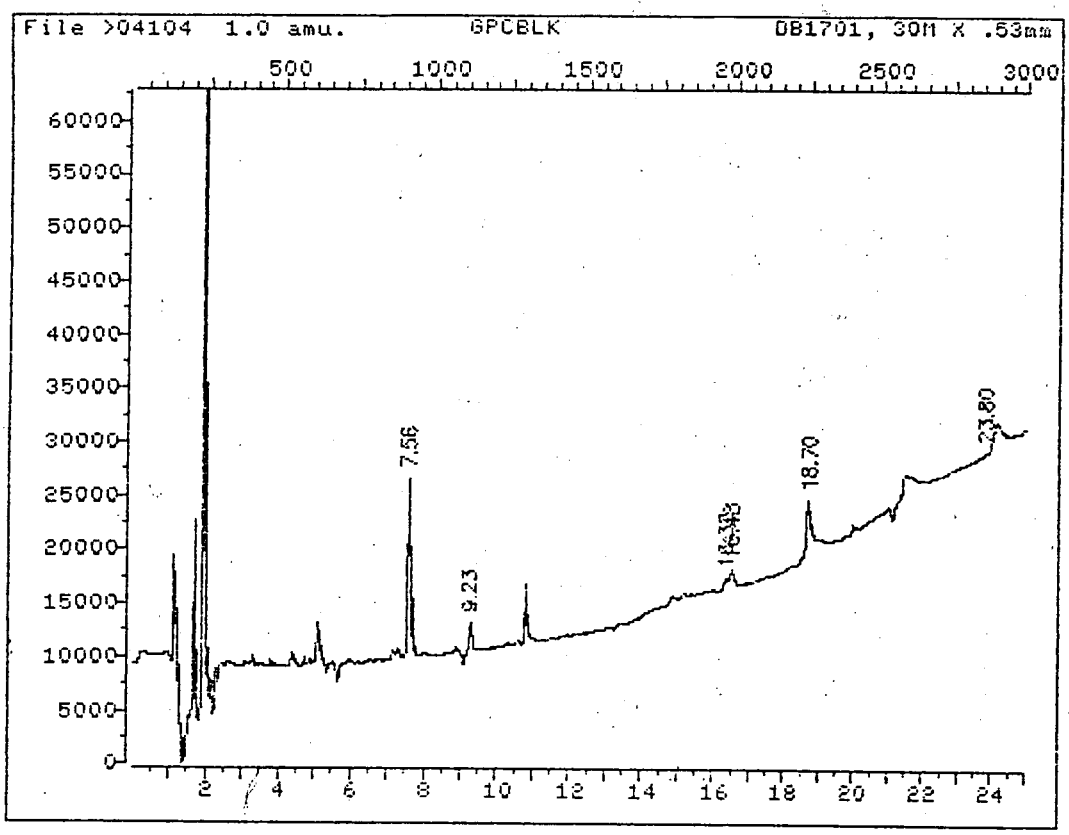
Quant Rev: 7
Quant Time: 960705 18:19
Injected at: 960702 05:54
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	~~#Tetrachloro-m-xylene~~ NC	9.23	1108	36753	.887	ng/ml	100
3)	~~#beta BHC~~ NC	18.70	2244	52272	1.99	ng/ml	100
6)	~~#Heptachlor~~ NC	16.32	1959	9696	.204	ng/ml	100
13)	~~#Endosulfan II~~ NC	26.84	3221	81194	2.27	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.94	3712	143644	10.67	ng/ml	100
24)	~~#Aroclor 1221(1)~~ NP	7.56	907	86852	109.82	ng/ml	100
25)	~~#Aroclor 1232(1)~~ NP	7.56	907	86852	72.94	ng/ml	100
29)	~~#Aroclor 1260(1)~~ NP	23.80	2856	6505	2.82	ng/ml	100
31)	#~~Toxaphene~~(2) NP	28.20	3384	244063	338.63	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.48	1978	11436	7.85	ng/ml	100
37)	~~#Aroclor 1016(5)~~ NP	18.70	2244	50925	24.71	ng/ml	100
45)	~~#Aroclor 1242(4)~~ NP	16.48	1978	11436	10.01	ng/ml	100
48)	~~#Aroclor-1248(5)~~ NP	18.70	2244	50925	20.67	ng/ml	100
54)	~~#Aroclor-1254(5)~~ NP	23.80	2856	6505	4.80	ng/ml	100

Compound uses ESTD

7/16/96



Data File: >04104::G5 Quant Output File: ^04104::F3
Name: GPCBLK 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 18:19
Injected at: 960702 05:54

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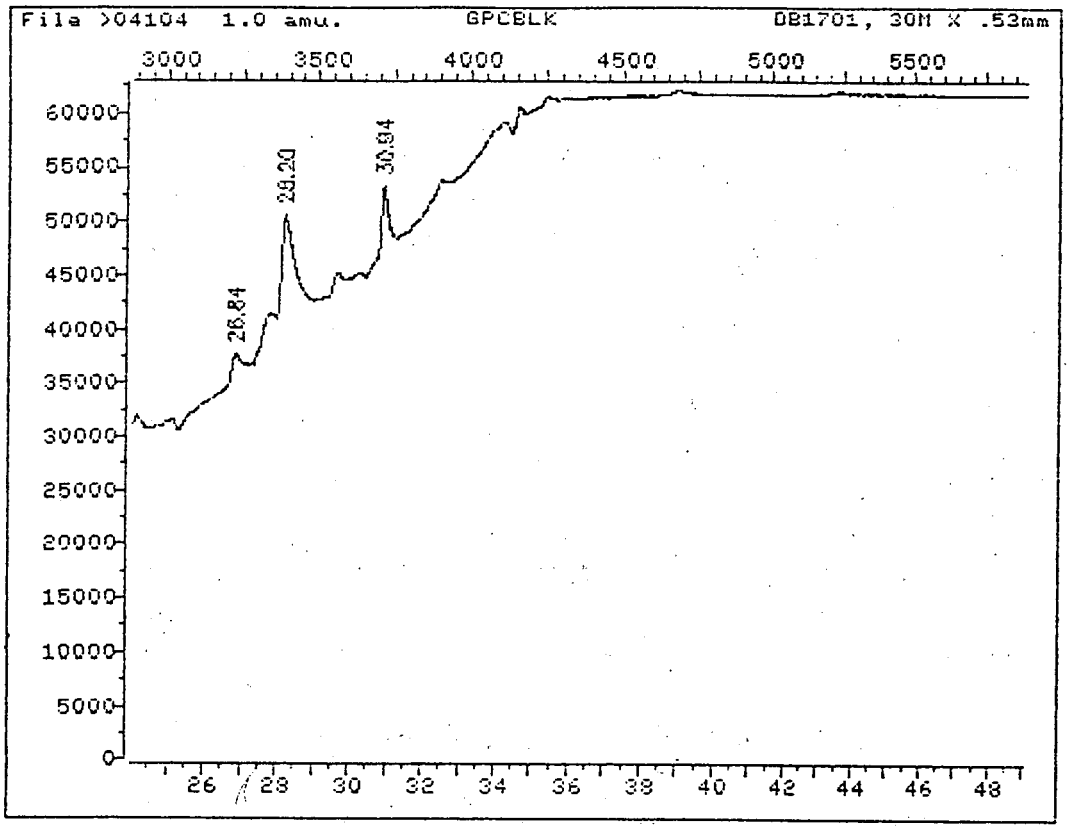

Data File: >04104::G5 Quant Output File: ^04104::F3
Name: GPCBLK Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 18:19
Injected at: 960702 05:54

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QUANT REPORT

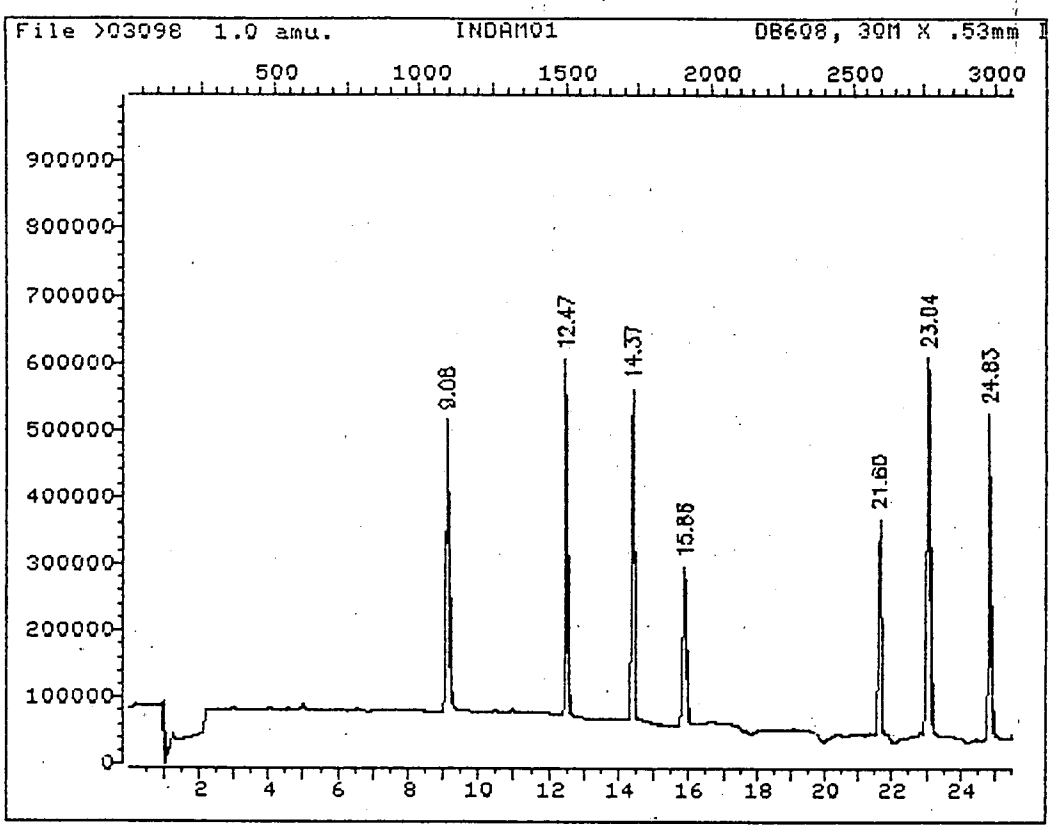
Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960704 15:21
Output File: ^03098::F3
Injected at: 960702 00:13
Data File: >03098::G3
Dilution Factor: 1.00000
Name: INDAM01
Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960701 19:30

	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

EPNW
7/9/96



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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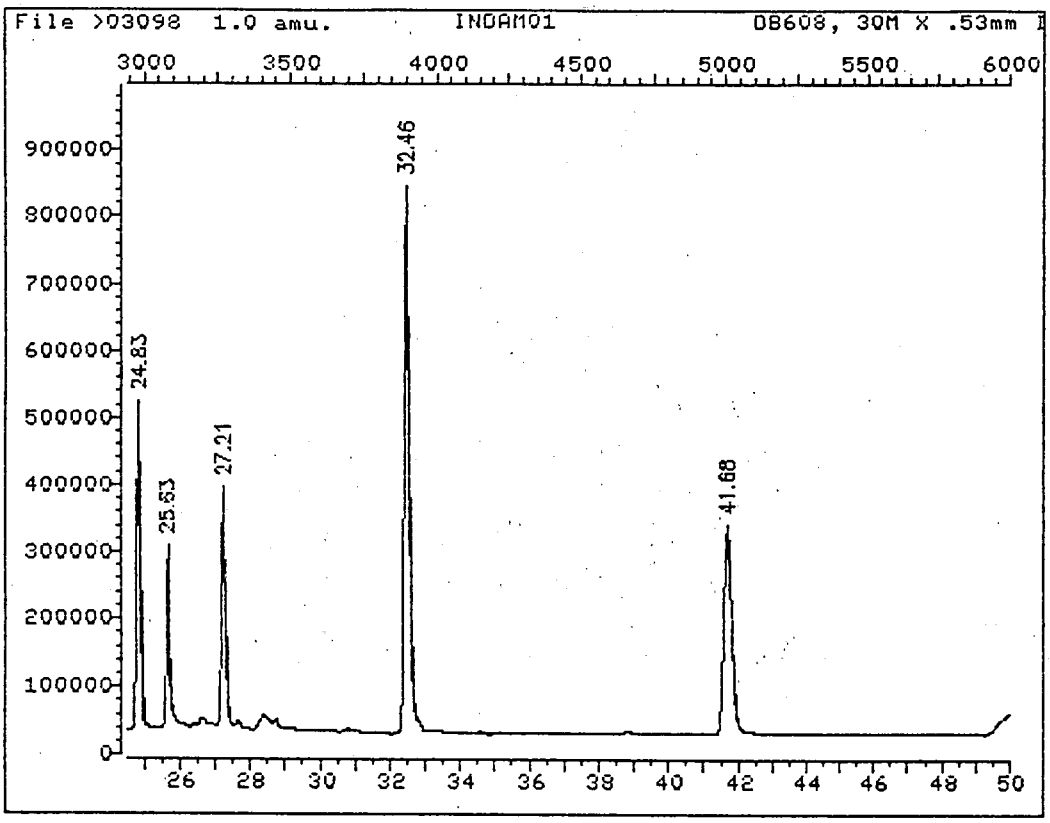

Data File: >03098::G3 Quant Output File: ^03098::F3
Name: INDAM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

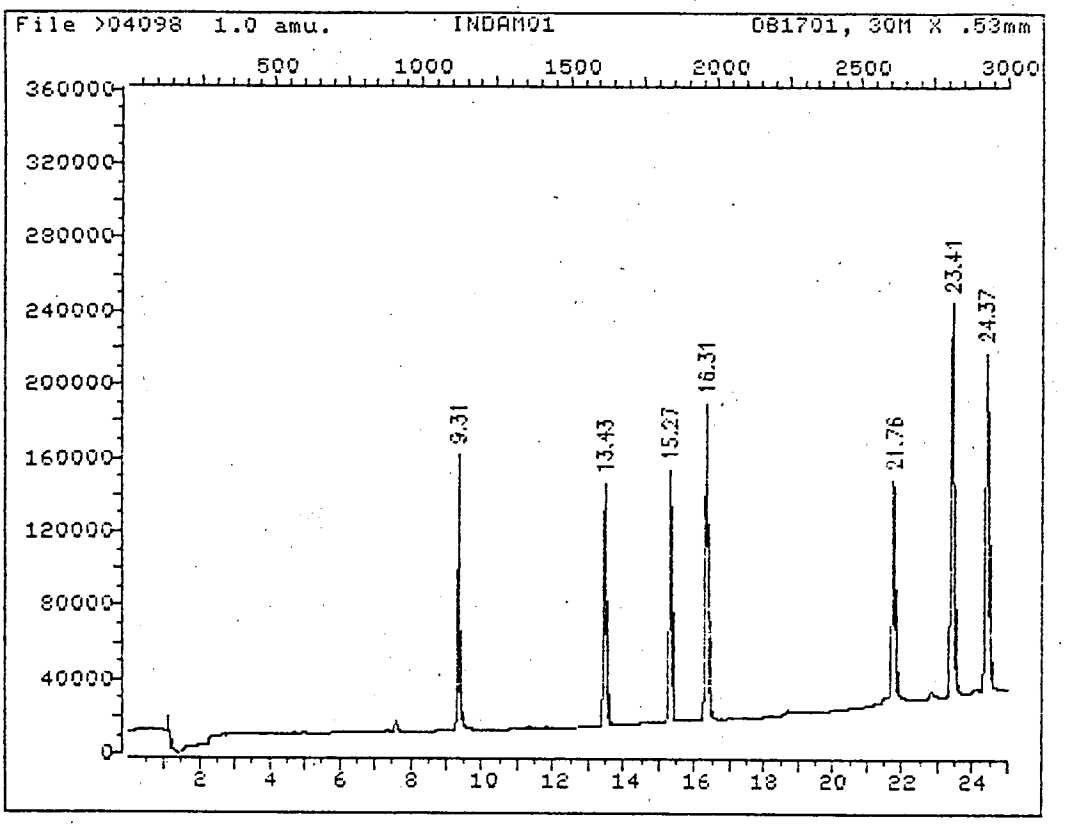
Quant Rev: 7
Quant Time: 960702 22:05
Injected at: 960702 00:13
Dilution Factor: 1.00000
Instrument ID: GC04

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

EPM
7/10/96



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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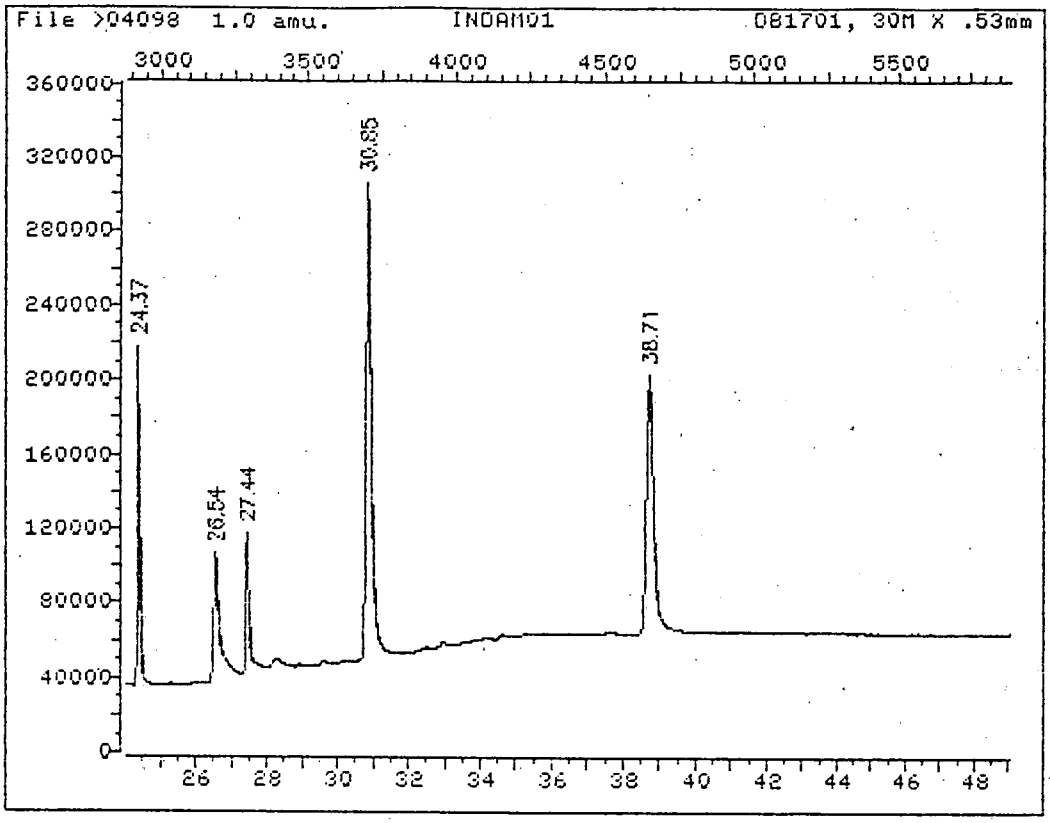

Data File: >04098::G5 Quant Output File: ^04098::F3
Name: INDAM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

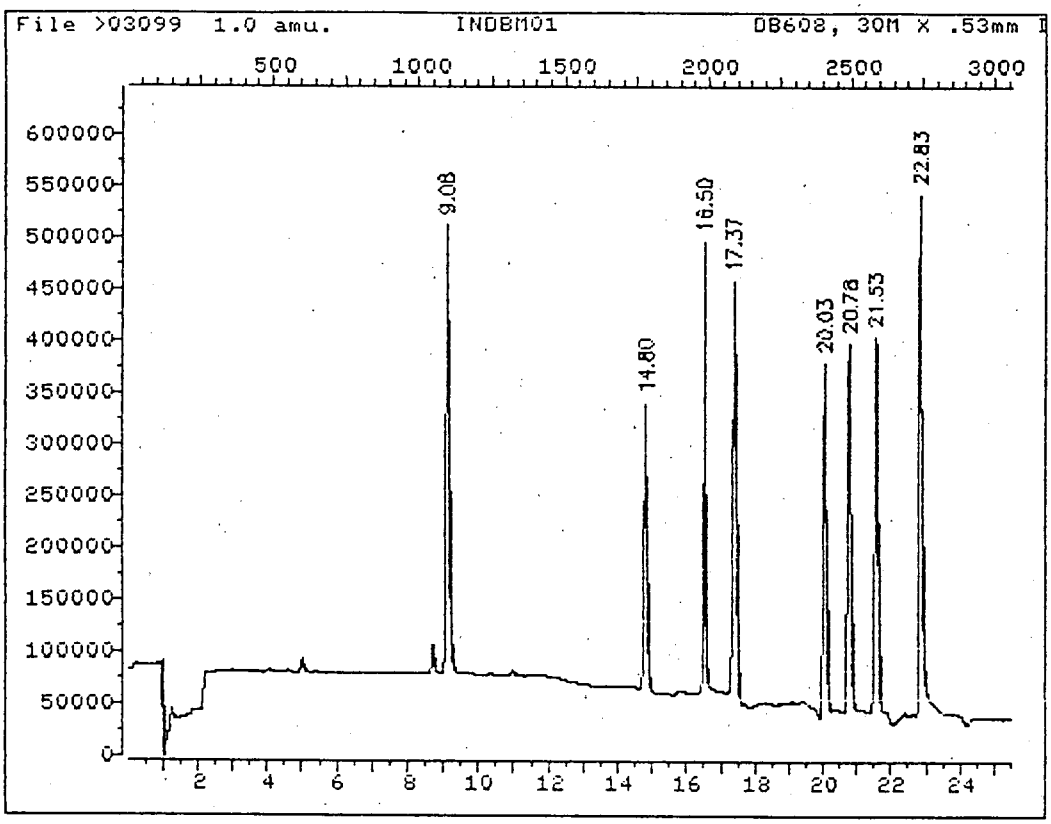
Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960704 15:22
Output File: ^03099::F3
Injected at: 960702 01:09
Data File: >03099::G3
Dilution Factor: 1.00000
Name: INDBM01
Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960701 19:30

	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~~ EP	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

E Price
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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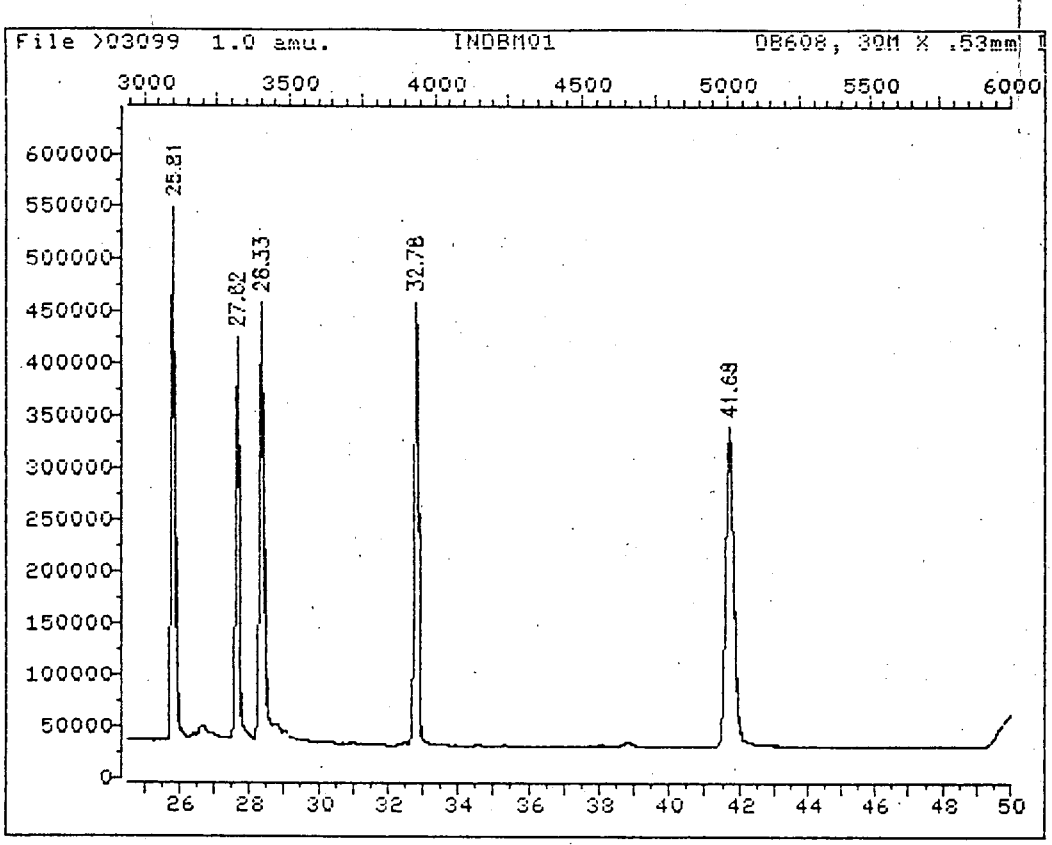

Data File: >03099::G3 Quant Output File: ^03099::F3
Name: INDBM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

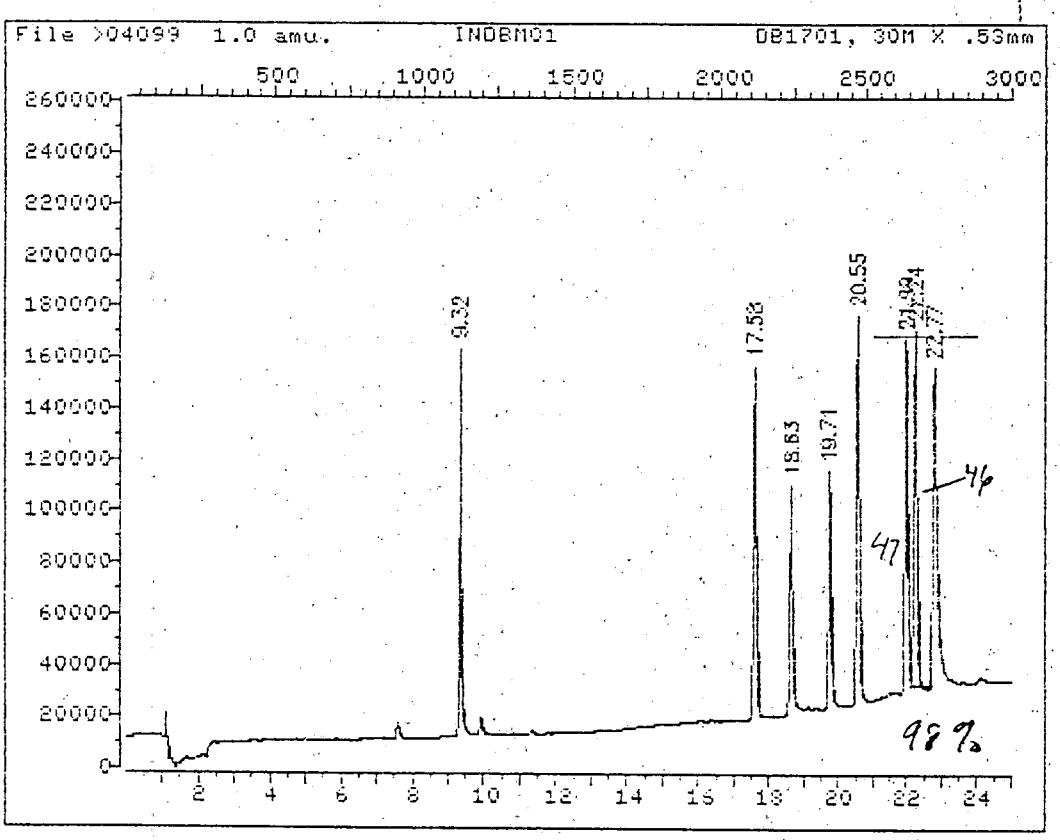
Quant Rev: 7
Quant Time: 960702 22:06
Injected at: 960702 01:09
Dilution Factor: 1.00000
Instrument ID: GC04

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

E Price
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 Cal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:06
Injected at: 960702 01:09

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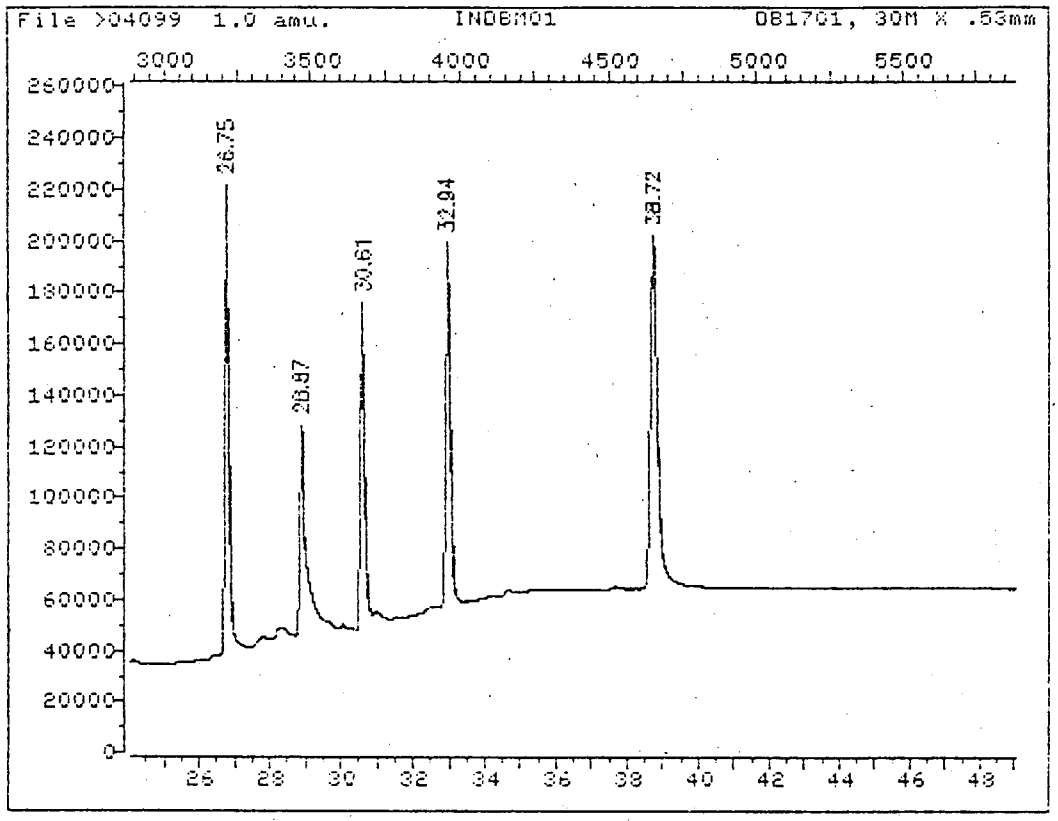

Data File: >04099::G5 Quant Output File: ^04099::F3
Name: INDBM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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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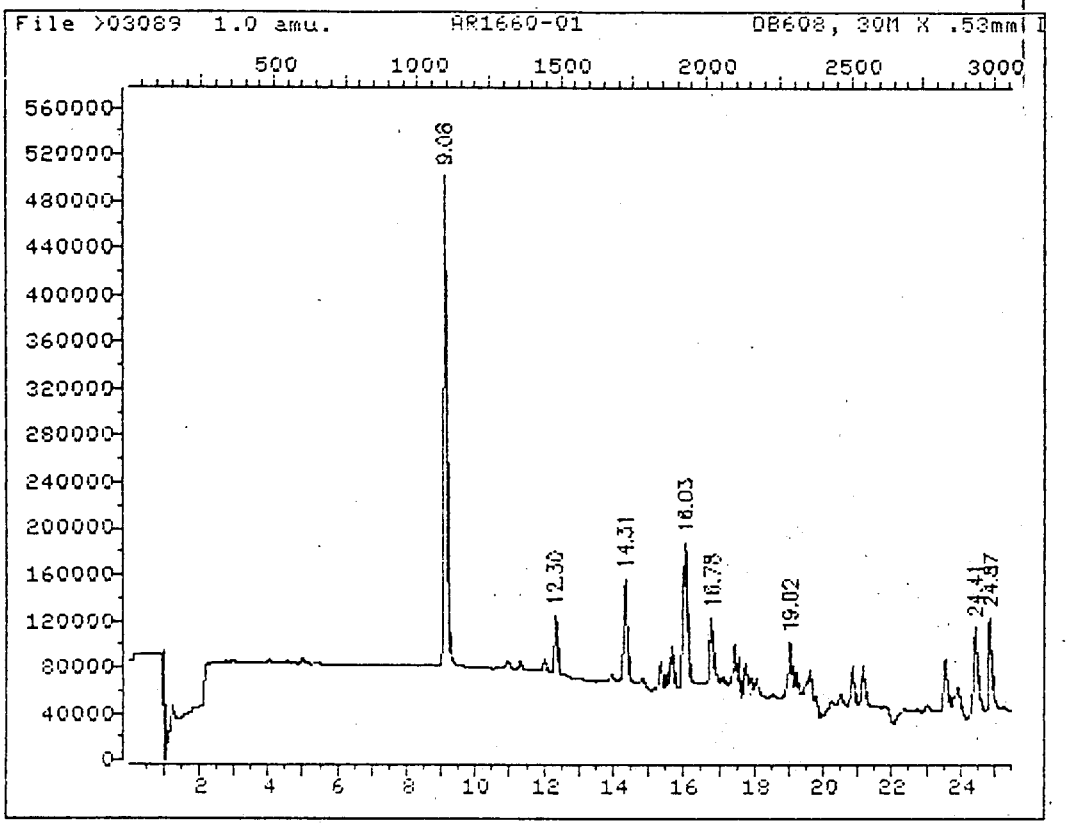
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960702 21:18
Output File: ^03089::F3 Injected at: 960701 15:43
Data File: >03089::G3 Dilution Factor: 1.00000
Name: AR1660-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 01:09

	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

EPuci
7/9/96

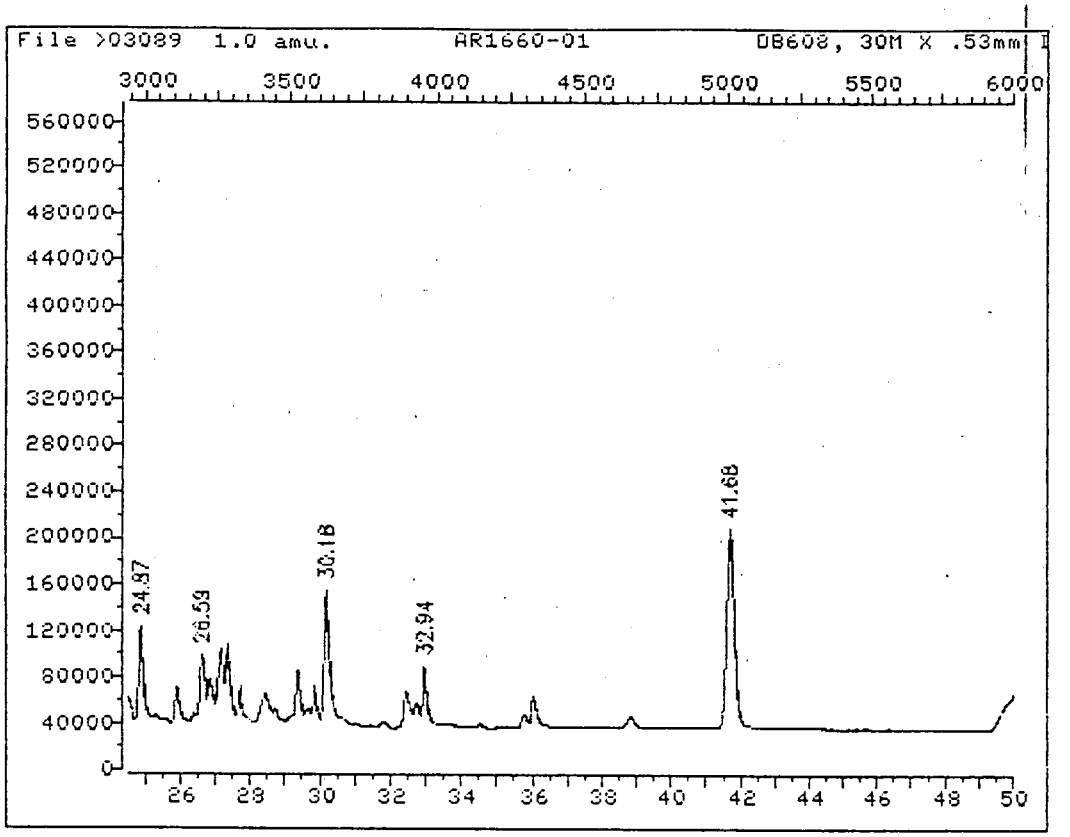


Data File: >03089::G3 Quant Output File: ^03089::F3
Name: AR1660-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Ocal Time: 960702 01:09

Operator ID: TRFIL
Quant Time : 960702 21:18
Injected at: 960701 15:43

Page 1 of 2



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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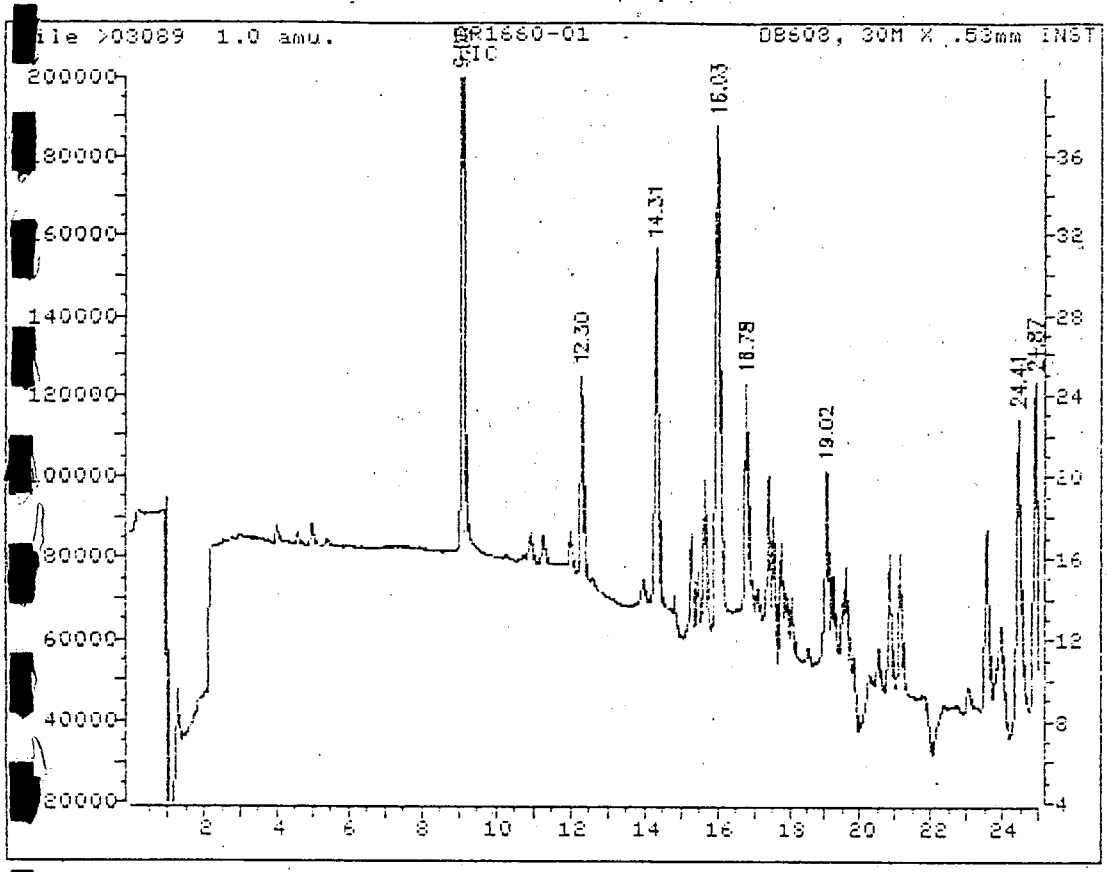
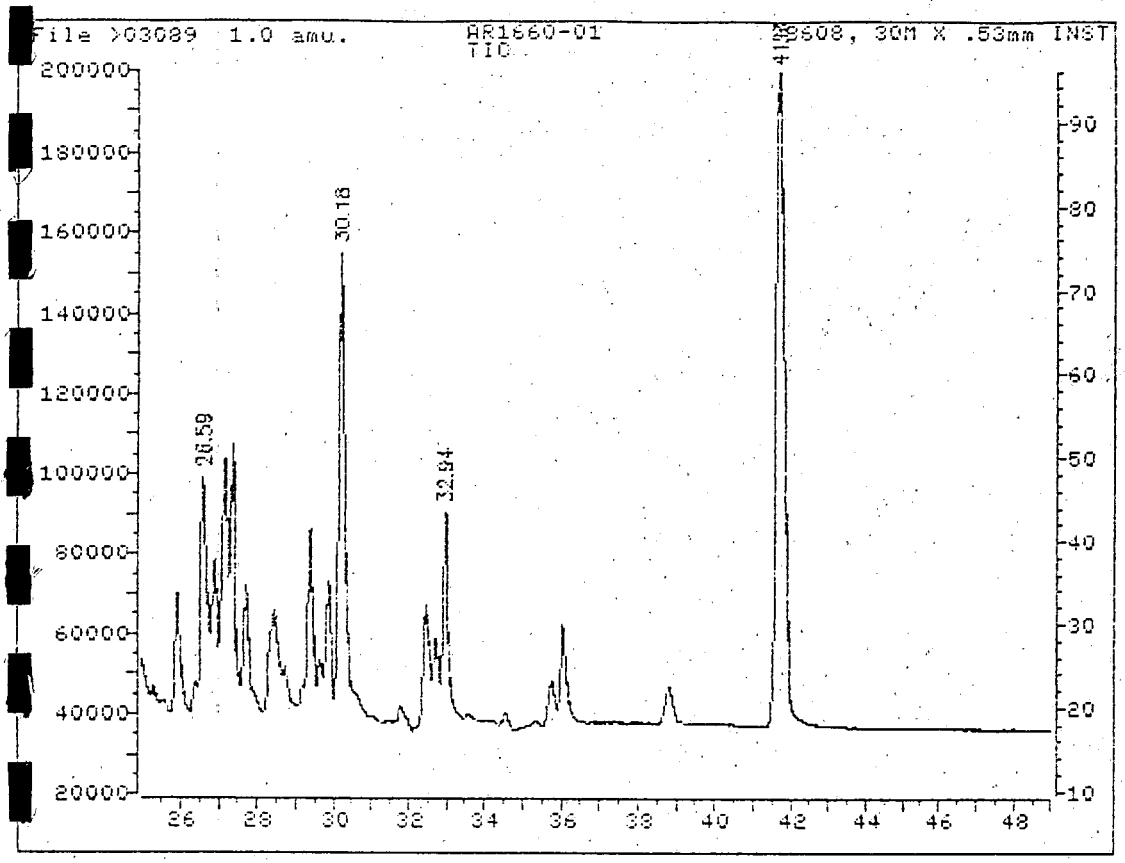


MS data file header from : >03089::G3

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)	0.106	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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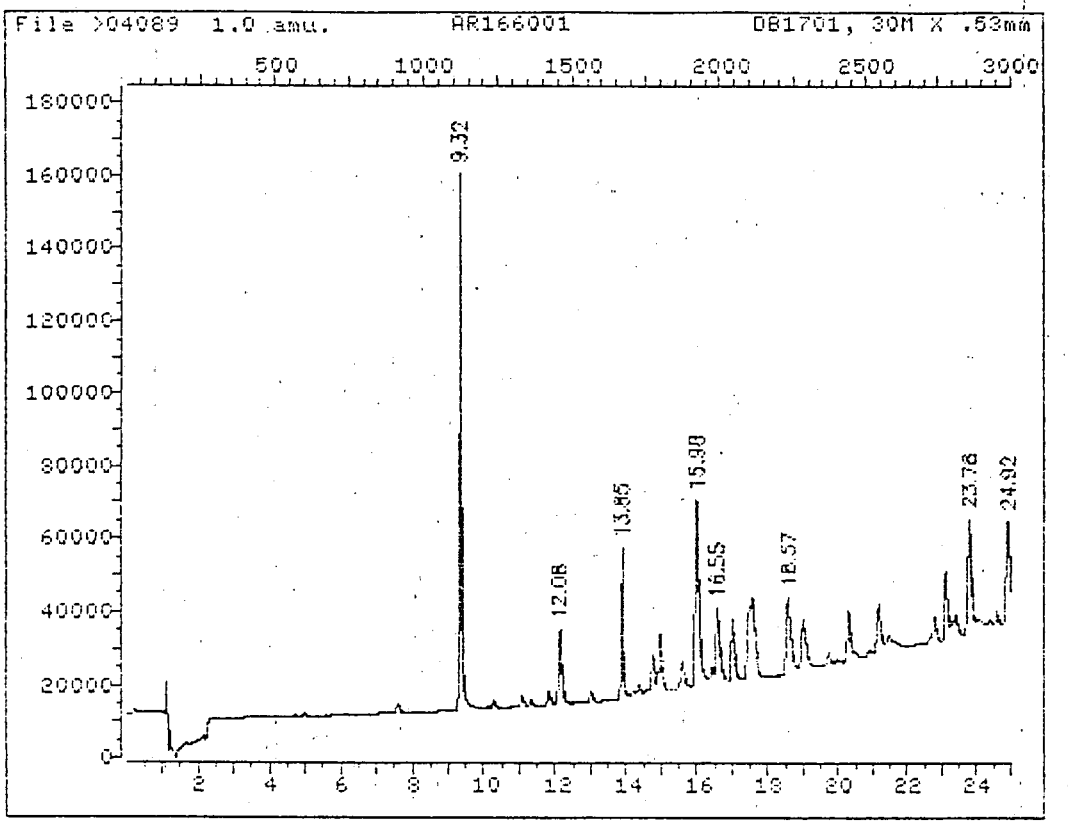
7/10/96



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 Scal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960705 17:13
Injected at: 960701 15:43

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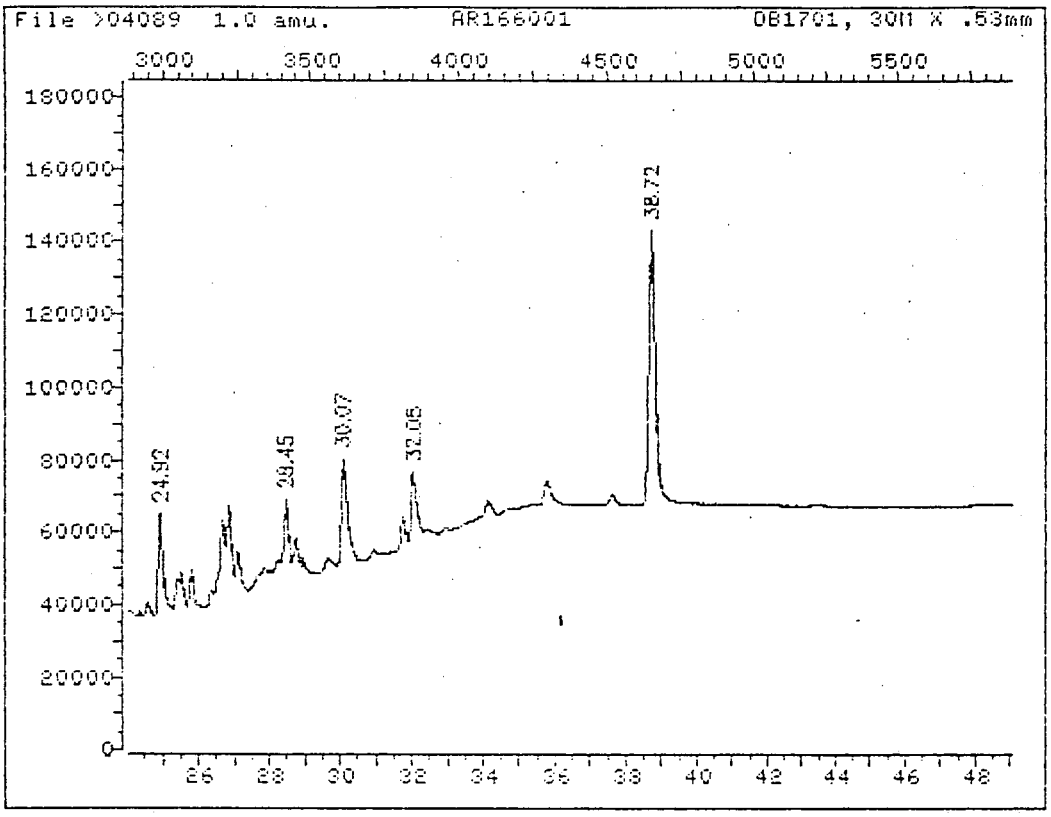

Data File: >04089::05 Quant Output File: ^04089::F5
Name: AR166001 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:25

Operator ID: TRFIL
Quant Time : 960705 17:13
Injected at: 960701 15:43

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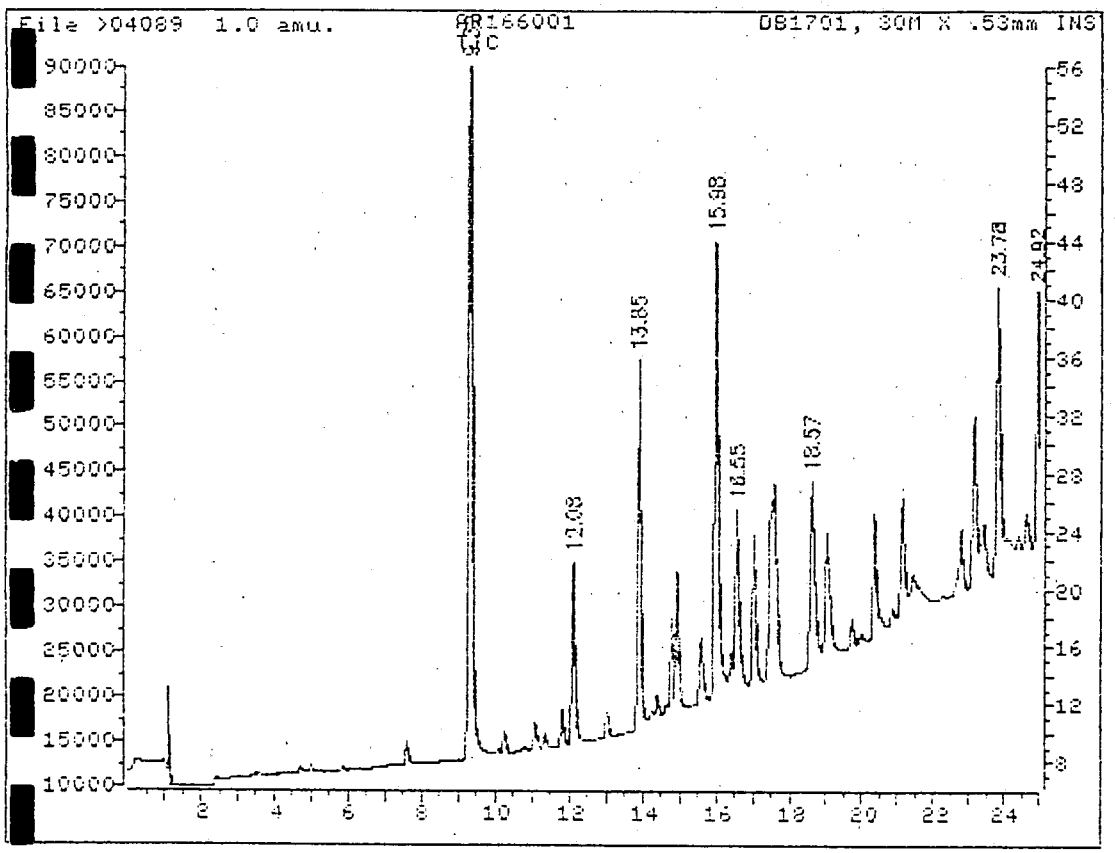
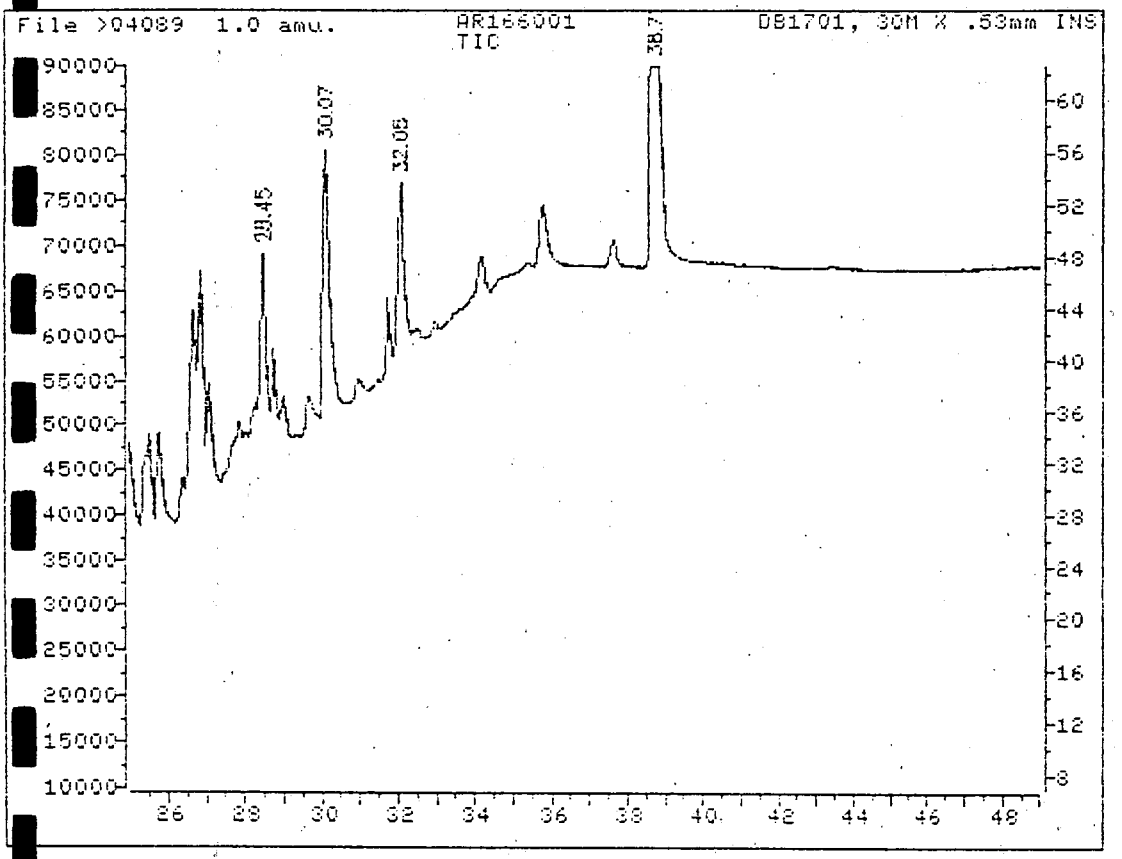


MS data file header from : >04089::G5

Sample: AR166001 Operator: TRFIL 7/01/96 15:43
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 : >04089::G5

Sample: AR166001 Operator: TRFIL 7/01/96 15:43
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: ^03105::F3
Data File: >03105::G3
Name: GPCPEST
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

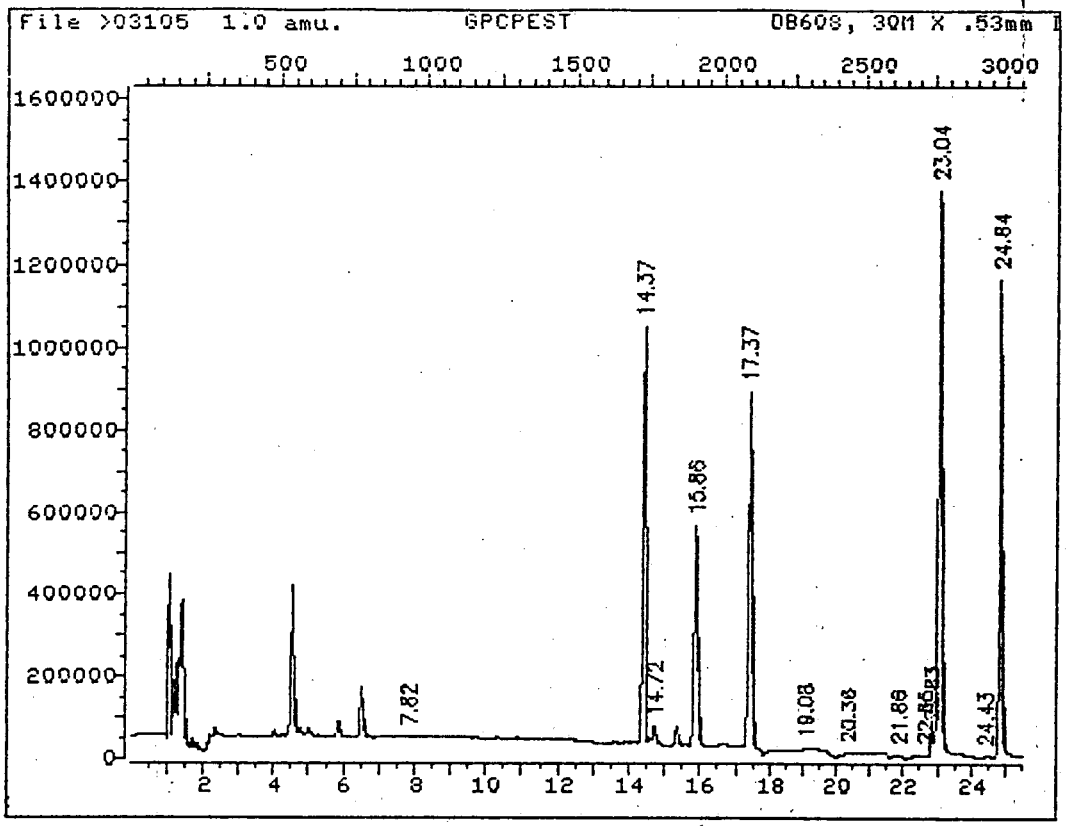
Quant Rev: 7
Quant Time: 960705 17:19
Injected at: 960702 06:51
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
3)	~~#beta-BHC~~ OW	14.72	1766	297429	3.62	ng/ml	100
5)	#gamma-BHC (Lindane)	14.37	1724	5599657	40.98	ng/ml	100
6)	#Heptachlor	15.86	1903	3478300	44.58	ng/ml	100
7)	#Aldrin	17.37	2084	5609717	41.63	ng/ml	100
10)	#Dieldrin	23.04	2765	9120778	96.46	ng/ml	100
11)	~~#4,4'-DDE~~ <Clear	22.83	2740	390784	4.27	ng/ml	100
12)	#Endrin	24.84	2980	8219195	96.03	ng/ml	100
13)	~~#Endosulfan II~~ NC	25.63	3075	69725	.724	ng/ml	100
14)	~~#4,4'-DDD~~ <Clear	25.63	3075	69381	1.20	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.36	3403	322478	3.64	ng/ml	100
16)	#4,4'-DDT	27.22	3266	6181241	95.36	ng/ml	100
17)	~~#Methoxychlor~~ OW	32.35	3882	54364	1.40	ng/ml	100
18)	~~#Endrin ketone~~ <Clear	32.78	3933	158618	1.76	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.82	938	11947	14.09	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	15.86	1903	3478300	459.66	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.43	2931	90038	11.61	ng/ml	100
30)	~~#Endrin aldehyde~~ <Clear	27.62	3314	368974	4.68	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.62	3314	368974	200.51	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.36	3403	322478	129.02	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	30.32	3638	10772	5.59	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	14.37	1724	5599657	856.61	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.86	1903	3478300	314.90	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.08	2290	29746	8.75	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.37	1724	5599657	1984.26	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	15.86	1903	3478300	739.34	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	14.37	1724	5599657	1040.37	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.86	1903	3478300	390.24	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	19.08	2290	29746	9.95	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.37	2084	5609717	2150.69	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	19.08	2290	29746	7.16	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.36	2443	136116	28.09	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.86	2623	215971	39.17	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	22.65	2718	291769	180.95	ng/ml	100
54)	~~#Aroclor-1254(5)~~ NP	24.84	2980	8219195	2292.27	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.84	2980	8219195	1173.44	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.58	3189	163411	31.30	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.32	3638	10772	.997	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.78	3933	162004	29.34	ng/ml	100

Compound uses ESTD

7/13/96



Data File: >03105::G3 Quant Output File: ^03105::F3
Name: GPCPEST 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 17:19
Injected at: 960702 06:51

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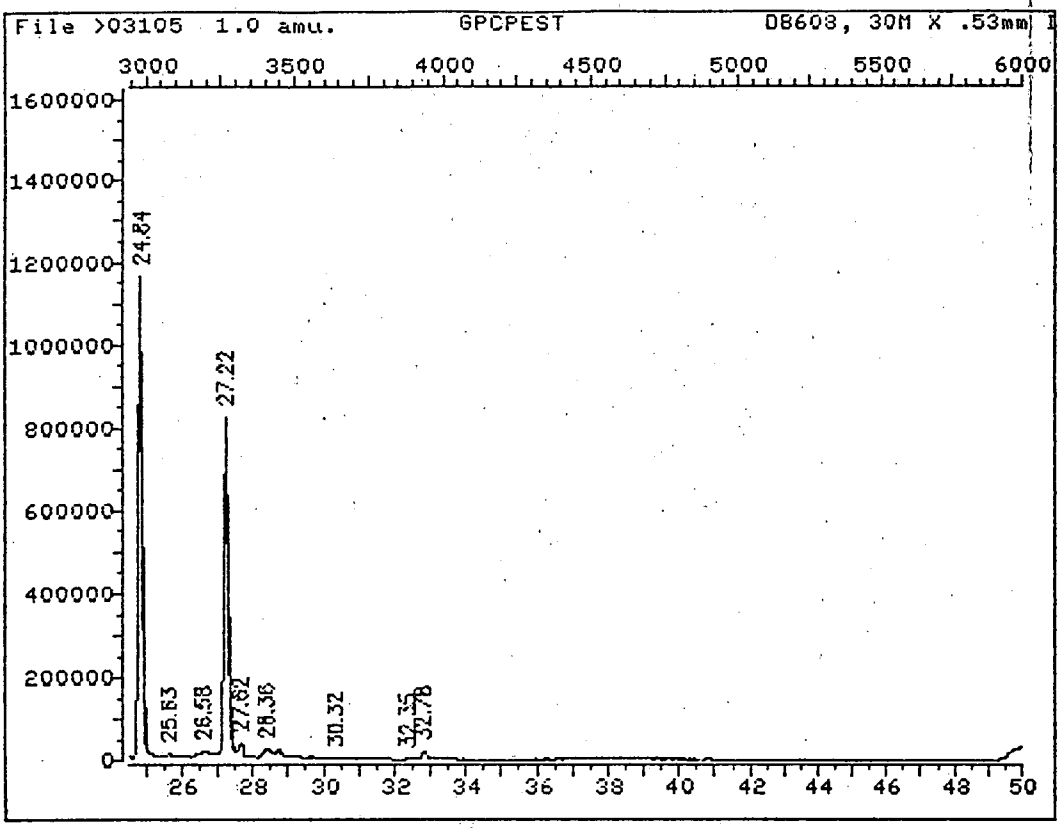

Data File: >03105::G3 Quant Output File: ^03105::F3
Name: GPCPEST Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 17:19
Injected at: 960702 06:51

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04105::F3
Data File: >04105::G5
Name: GPCPEST
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960705 18:20
Injected at: 960702 06:51
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	R.T.	Scan#	Area	Conc	Units	q
1)	~~#Tetrachloro-m-xylene~~ NC	9.23	1108	30476	.756	ng/ml	100
2)	~~#alpha-BHC~~ NC	13.42	1611	6514	.199	ng/ml	100
3)	~~#beta-BHC~~ NC	18.69	2243	42854	1.63	ng/ml	100
5)	#gamma-BHC (Lindane)	15.27	1833	1526329	44.89	ng/ml	100
6)	#Heptachlor	16.31	1957	2151148	45.35	ng/ml	100
7)	#Aldrin	17.58	2109	1696127	45.04	ng/ml	100
10)	#Dieldrin	23.41	2809	3254068	100.20	ng/ml	100
11)	~~#4,4'-DDE~~ NC	22.78	2733	233720	8.42	ng/ml	100
12)	#Endrin	24.38	2925	2863837	98.79	ng/ml	100
14)	~~#4,4'-DDD~~ NC	26.54	3185	76234	3.61	ng/ml	100
16)	#4,4'-DDT	27.44	3292	1582768	96.05	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.95	3714	130451	9.69	ng/ml	100
18)	~~#Endrin ketone~~ NC	32.95	3954	53577	1.90	ng/ml	100
24)	~~#Aroclor 1221(1)~~ NP	7.56	907	49462	62.54	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.56	907	49462	41.54	ng/ml	100
27)	~~#Aroclor 1248(1)~~ NP	13.92	1670	7176	6.51	ng/ml	100
28)	~~#Aroclor 1254(1)~~ NP	17.58	2109	1696127	1067.66	ng/ml	100
30)	~~#Endrin aldehyde~~ NC	28.88	3465	66722	2.20	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.24	3388	95680	132.75	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	13.92	1670	7176	2.94	ng/ml	100
35)	~~#Aroclor 1016(3)~~ NP	15.82	1898	5323	1.37	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.69	2243	42854	20.80	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.05	1326	6248	9.53	ng/ml	100
41)	~~#Aroclor 1232(3)~~ NP	13.92	1670	7176	6.97	ng/ml	100
42)	~~#Aroclor 1232(4)~~ NP	15.82	1898	5323	3.41	ng/ml	100
43)	~~#Aroclor 1242(2)~~ NP	13.92	1670	7176	3.61	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.82	1898	5323	1.73	ng/ml	100
46)	~~#Aroclor 1242(5)~~ NP	17.58	2109	1696127	2143.63	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.82	1898	5323	2.04	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.69	2243	42854	17.39	ng/ml	100

Compound uses ESTD

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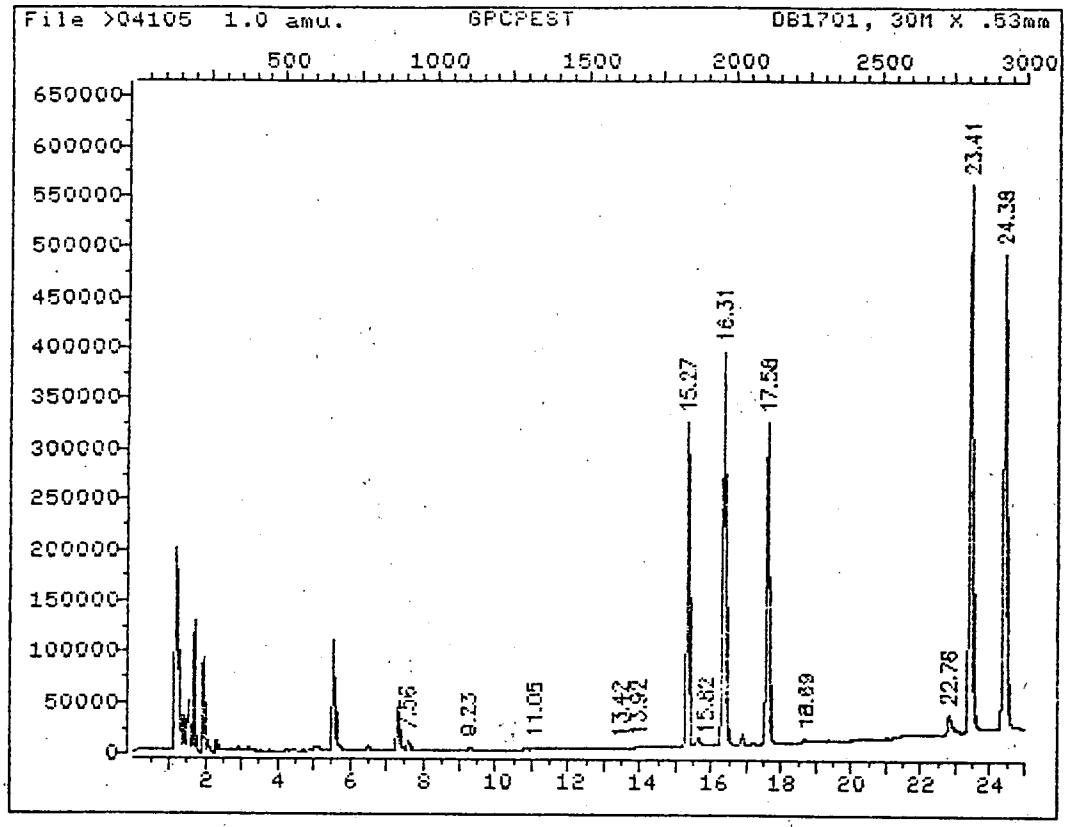

Data File: >04105::G5 Quant Output File: ^04105::F3
Name: GPCPEST Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 18:20
Injected at: 960702 06:51

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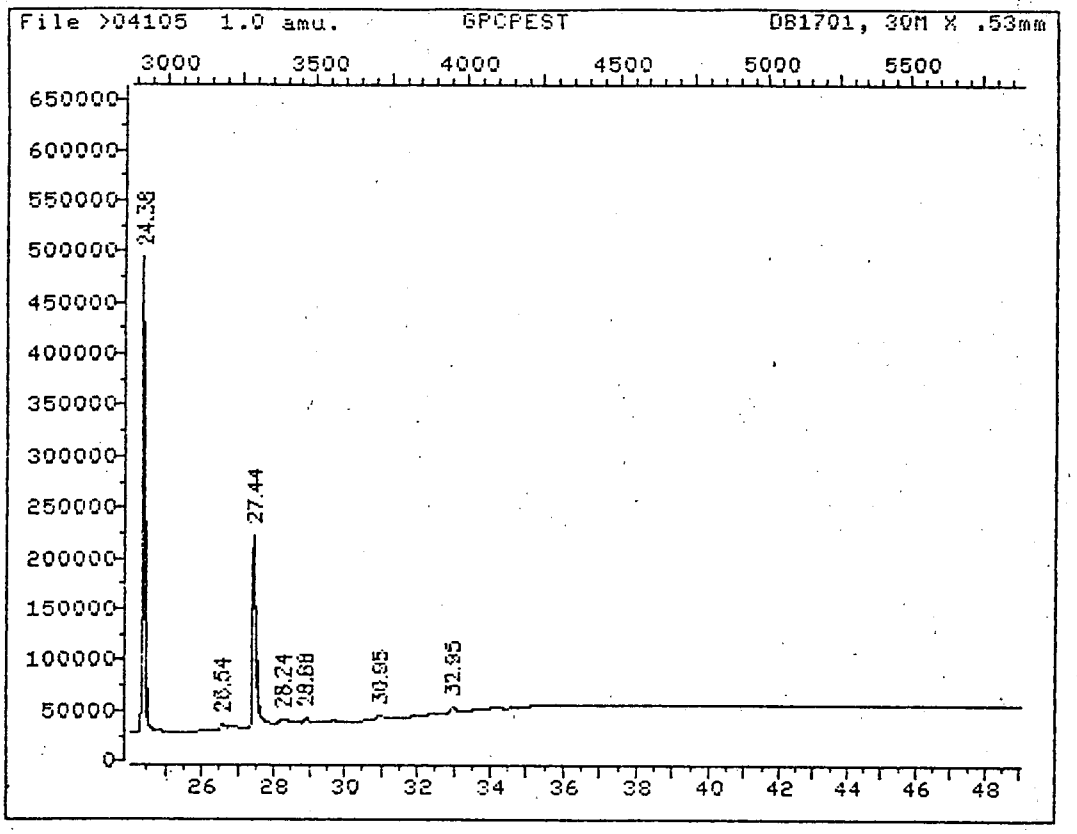

Data File: >04105::G5 Quant Output File: ^04105::F3
Name: GPCPEST Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 18:20
Injected at: 960702 06:51

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QUANT REPORT

Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960705 17:20
Output File: ^03106::F3
Injected at: 960702 07:48
Data File: >03106::G3
Dilution Factor: 1.00000
Name: GPCPCB
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	R.T.	Scan#	Area	Conc	Units	q
1)	#~~Tetrachloro-m-xylene~~ OW	9.22	1106	7563	.0604	ng/ml	100
2)	#~~alpha-BHC~~ NC	12.30	1476	301302	2.04	ng/ml	100
3)	#~~beta-BHC~~ OW	14.72	1766	26559	.324	ng/ml	100
5)	#~~gamma-BHC (Lindane)~~ NC	14.31	1717	565636	4.14	ng/ml	100
6)	#~~Heptachlor~~ OW	16.03	1924	1103636	14.14	ng/ml	100
7)	#~~Aldrin~~ NC	17.39	2087	193638	1.44	ng/ml	100
10)	#~~Dieldrin~~ <CRQL	23.03	2763	45647	.483	ng/ml	100
11)	#~~4,4'-DDE~~ OW	23.03	2763	44281	.484	ng/ml	100
12)	#~~Endrin~~ NC	24.87	2984	717289	8.38	ng/ml	100
13)	#~~Endosulfan I~~ OW	25.90	3108	270246	2.81	ng/ml	100
14)	#~~4,4'-DDD~~ OW	25.90	3108	269863	4.69	ng/ml	100
15)	#~~Endosulfan Sulfate~~ OW	28.43	3411	429310	4.84	ng/ml	100
16)	#~~4,4'-DDT~~ NC	27.14	3257	457976	7.07	ng/ml	100
17)	#~~Methoxychlor~~ NC	32.43	3891	406749	10.48	ng/ml	100
18)	#~~Endrin ketone~~ <CRQL	32.71	3925	191859	2.13	ng/ml	100
21)	#~~gamma-Chlordane~~ NC	20.85	2502	275686	2.34	ng/ml	100
23)	#Aroclor-1016(1)	12.30	1476	301302	102.49	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	7.80	936	5044	5.95	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	12.30	1476	301302	105.17	ng/ml	100
26)	#~~Aroclor-1242(1)~~ NP	12.30	1476	301302	115.52	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	16.03	1924	1103636	145.85	ng/ml	100
28)	#~~Aroclor-1254(1)~~ NP	20.85	2502	244097	51.48	ng/ml	100
29)	#Aroclor-1260(1)	24.41	2929	720547	92.95	ng/ml	100
30)	#~~Endrin aldehyde~~ NC	27.68	3321	355686	4.51	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	27.68	3321	355686	193.29	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.43	3411	429310	171.76	ng/ml	100
34)	#Aroclor-1016(2)	14.31	1717	565636	86.53	ng/ml	100
35)	#Aroclor-1016(3)	16.03	1924	1103636	99.92	ng/ml	100
36)	#Aroclor-1016(4)	16.78	2014	388214	103.95	ng/ml	100
37)	#Aroclor-1016(5)	19.02	2282	352385	103.71	ng/ml	100
38)	#~~Aroclor-1221(2)~~ NP	11.27	1352	48192	28.68	ng/ml	100
39)	#~~Aroclor-1221(3)~~ NP	12.30	1476	301302	78.95	ng/ml	100
40)	#~~Aroclor-1232(2)~~ NP	14.31	1717	565636	200.44	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	16.03	1924	1103636	234.59	ng/ml	100
42)	#~~Aroclor-1232(4)~~ NP	16.78	2014	388214	225.48	ng/ml	100
43)	#~~Aroclor-1242(2)~~ NP	14.31	1717	565636	105.09	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	16.03	1924	1103636	123.82	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.78	2014	388214	122.74	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	19.02	2282	352385	117.90	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	17.54	2105	211458	81.07	ng/ml	100

WMO 7/13/96

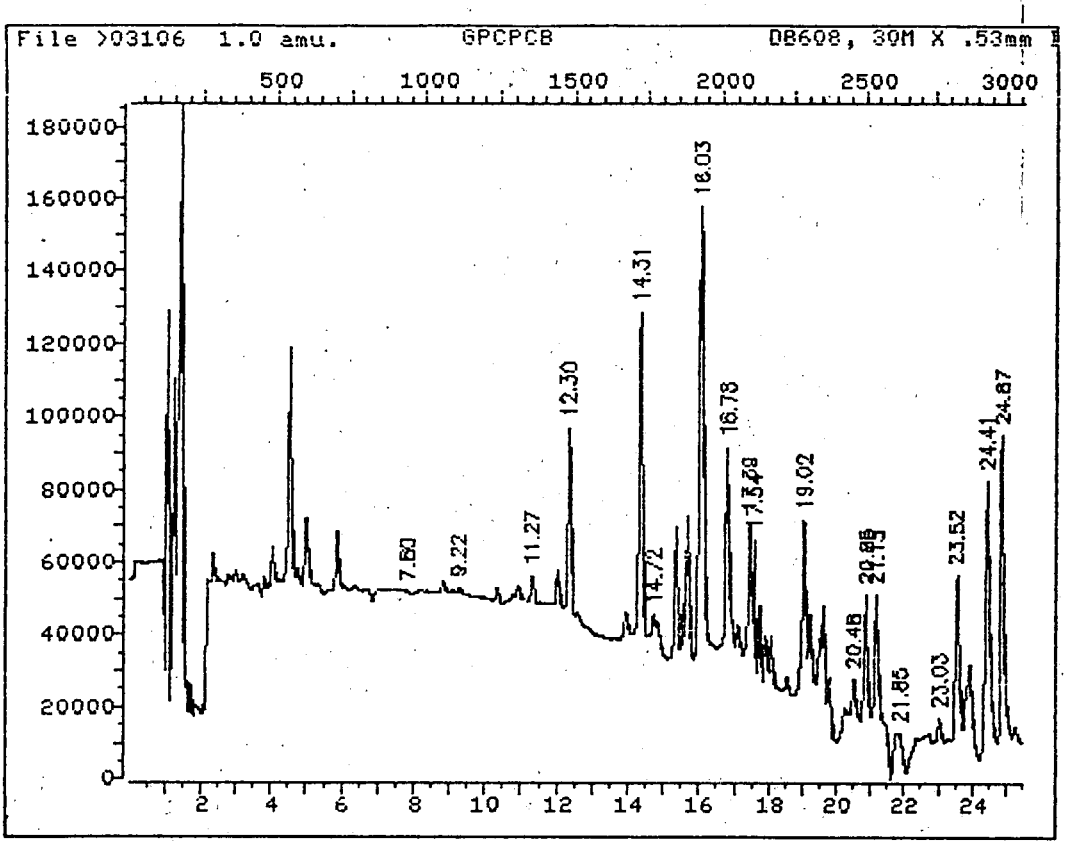
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960705 17:20
Output File: ^03106::F3 Injected at: 960702 07:48
Data File: >03106::G3 Dilution Factor: 1.00000
Name: GPCPCB Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903. 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
48)	#~~Aroclor-1248(3)~~ NP	19.02	2282	352385	84.86	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.48	2457	118052	24.37	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.85	2622	256518	46.53	ng/ml	100
51)	#~~Aroclor-1254(2)~~ NP	21.15	2538	654194	118.05	ng/ml	100
53)	#~~Aroclor-1254(4)~~ NP	23.52	2822	359384	59.20	ng/ml	100
54)	#~~Aroclor-1254(5)~~ NP	24.87	2984	717289	200.05	ng/ml	100
55)	#Aroclor-1260(2)	24.87	2984	717289	102.41	ng/ml	100
56)	#Aroclor-1260(3)	26.59	3190	477371	91.45	ng/ml	100
57)	#Aroclor-1260(4)	30.19	3622	1080571	100.01	ng/ml	100
58)	#Aroclor-1260(5)	32.94	3953	559895	101.41	ng/ml	100

Compound uses ESTD

7/16/96



Data File: >03106::G3 Quant Output File: ^03106::F3
Name: GPCPCB 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 17:20
Injected at: 960702 07:48

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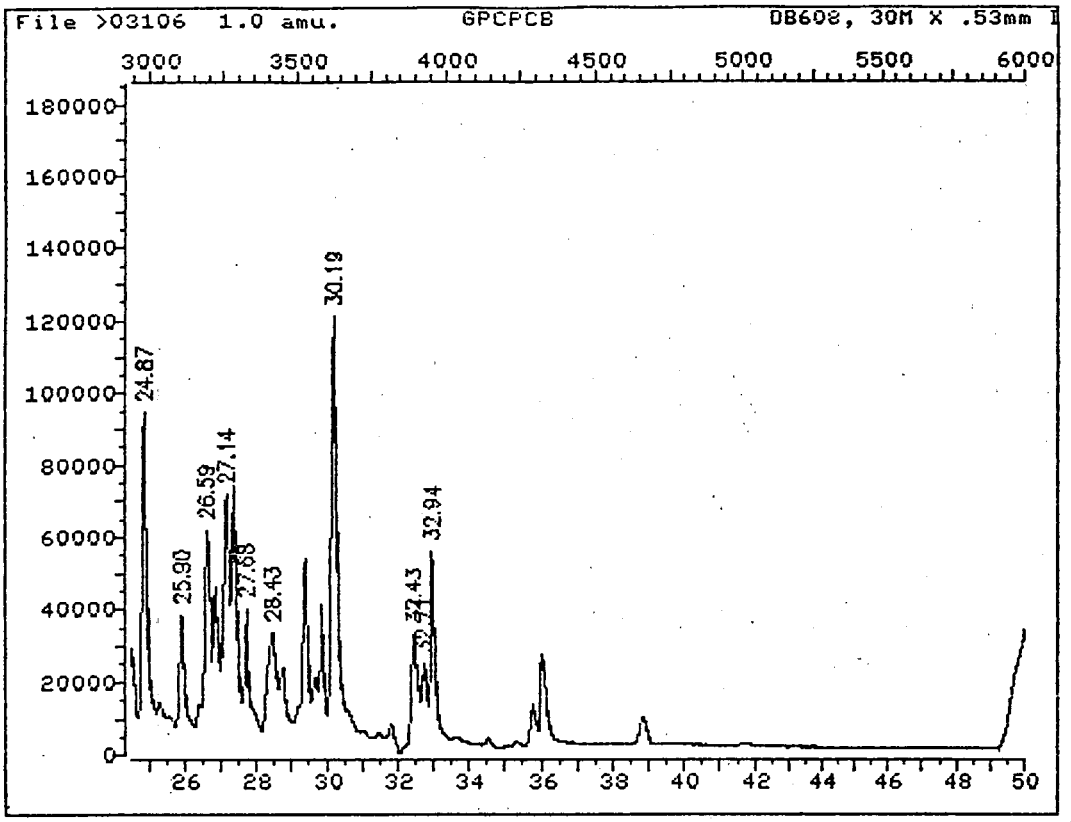

Data File: >03106::G3 Quant Output File: ^03106::F3
Name: GPCPCB Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 17:20
Injected at: 960702 07:48

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04106::F3
Data File: >04106::G5
Name: GPCPCB
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960705 18:21
Injected at: 960702 07:48
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	R.T.	Scan#	Area	Conc	Units	q
1)	#~~Tetrachloro-m-xylene~~ NC	9.23	1108	12551	.303	ng/ml	100
3)	#~~beta BHC~~ NC	18.58	2229	214053	8.15	ng/ml	100
4)	#~~delta BHC~~ NC	19.69	2363	21321	.875	ng/ml	100
6)	#~~Heptachlor~~ NC	16.40	1968	15762	.332	ng/ml	100
7)	#~~Aldrin~~ OW	17.48	2097	104099	2.76	ng/ml	100
10)	#~~Dieldrin~~ NC	23.40	2808	38647	1.19	ng/ml	100
11)	#~~4,4'-DDE~~ NC	22.76	2731	41625	1.50	ng/ml	100
12)	#~~Endrin~~ LCOW	24.37	2924	8645	.298	ng/ml	100
13)	#~~Endosulfan II~~ NC	26.83	3219	218083	6.09	ng/ml	100
14)	#~~4,4'-DDD~~ NC	26.64	3197	217986	10.32	ng/ml	100
17)	#~~Methoxychlor~~ OW	30.94	3713	47644	3.54	ng/ml	100
18)	#~~Endrin ketone~~ NC	32.92	3950	8942	.318	ng/ml	100
23)	#Aroclor-1016(1)	12.08	1450	119559	96.81	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	7.56	907	45587	57.64	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	7.56	907	45587	38.28	ng/ml	100
26)	#~~Aroclor-1242(1)~~ NP	12.08	1450	119559	113.01	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	13.85	1662	251476	228.31	ng/ml	100
28)	#~~Aroclor-1254(1)~~ NP	17.48	2097	104099	65.53	ng/ml	100
29)	#Aroclor-1260(1)	23.79	2855	237986	103.01	ng/ml	100
30)	#~~Endrin aldehyde~~ OW	28.96	3475	39348	1.29	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	28.45	3414	178443	247.58	ng/ml	100
33)	#~~Toxaphene(4)~~ NP	31.73	3807	81605	162.63	ng/ml	100
34)	#Aroclor-1016(2)	13.85	1662	251476	102.86	ng/ml	100
35)	#Aroclor-1016(3)	15.99	1919	377827	97.40	ng/ml	100
36)	#Aroclor-1016(4)	16.55	1986	117731	80.84	ng/ml	100
37)	#Aroclor-1016(5)	18.58	2229	214053	103.87	ng/ml	100
38)	#~~Aroclor-1221(2)~~ NP	11.08	1330	23199	35.37	ng/ml	100
39)	#~~Aroclor-1221(3)~~ NP	12.08	1450	119559	69.70	ng/ml	100
40)	#~~Aroclor-1232(2)~~ NP	12.08	1450	119559	102.06	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	13.85	1662	251476	244.22	ng/ml	100
42)	#~~Aroclor-1232(4)~~ NP	15.99	1919	377827	241.86	ng/ml	100
43)	#~~Aroclor-1242(2)~~ NP	13.85	1662	251476	126.60	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	15.99	1919	377827	122.54	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.55	1986	117731	103.00	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	17.48	2097	104099	131.56	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	15.99	1919	377827	144.63	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	18.58	2229	214053	86.88	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	18.99	2279	118401	67.07	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	20.30	2436	95557	99.56	ng/ml	100
51)	#~~Aroclor-1254(2)~~ NP	20.30	2436	95557	47.00	ng/ml	100

7/16/96

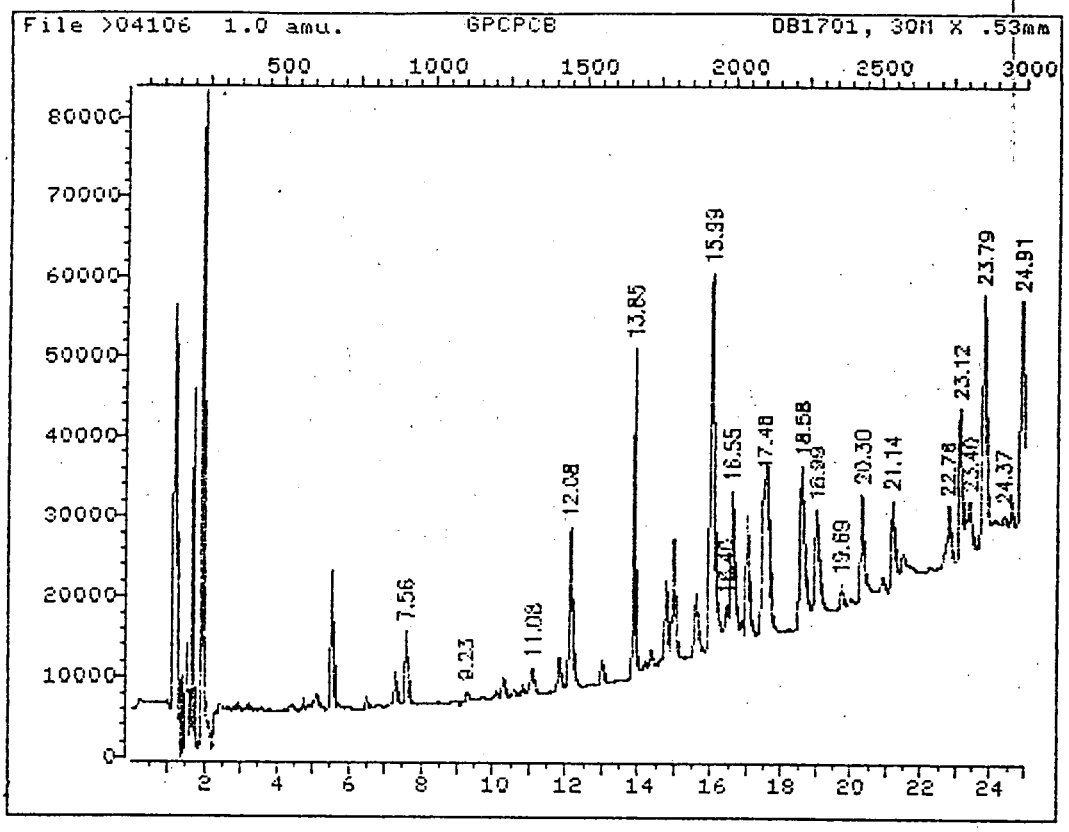
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960705 18:21
Output File: ^04106::F3 Injected at: 960702 07:48
Data File: >04106::G5 Dilution Factor: 1.00000
Name: GPCPCB Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
52)	#A~~roclor-1254(3)~~ NP	21.14	2537	88476	48.24	ng/ml	100
53)	#A~~roclor-1254(4)~~ NP	23.12	2774	132308	51.89	ng/ml	100
54)	#~~Aroclor-1254(5)~~ NP	23.79	2855	237986	175.47	ng/ml	100
55)	#Aroclor-1260(2)	24.91	2989	271103	99.85	ng/ml	100
56)	#Aroclor-1260(3)	28.45	3414	187274	105.52	ng/ml	100
57)	#Aroclor-1260(4)	30.08	3609	396824	100.93	ng/ml	100
58)	#Aroclor-1260(5)	32.06	3847	255497	102.88	ng/ml	100

#. Compound uses ESTD

7/16/96



Data File: >04106::G5 Quant Output File: ^04106::F3
Name: GPCPCB 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 18:21
Injected at: 960702 07:48

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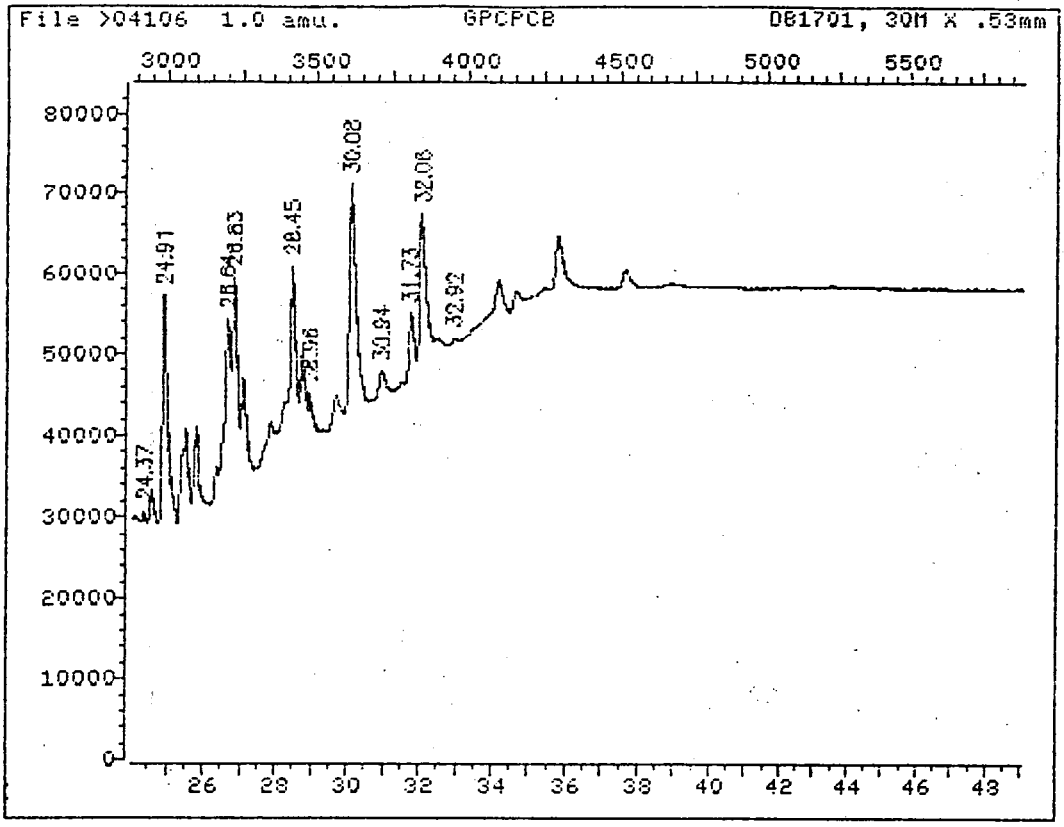

Data File: >04106::G5 Quant Output File: ^04106::F3
Name: GPCPCB Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 18:21
Injected at: 960702 07:48

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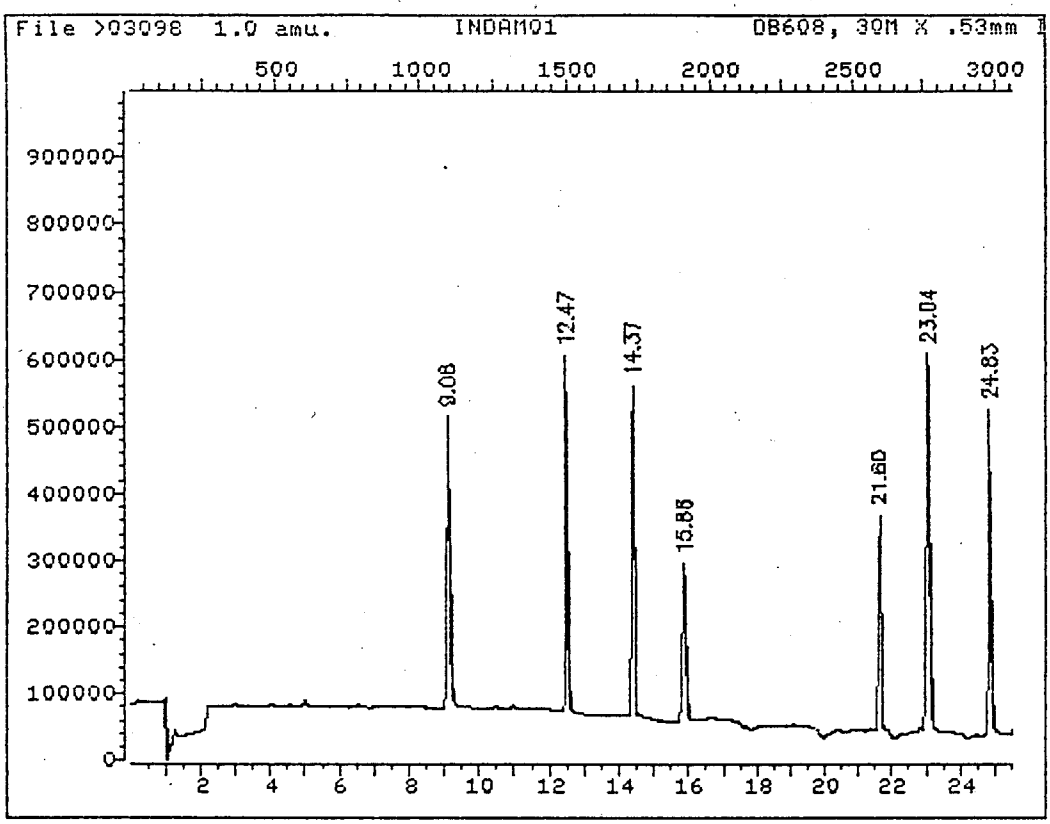
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960704 15:21
Output File: ^03098::F3 Injected at: 960702 00:13
Data File: >03098::G3 Dilution Factor: 1.00000
Name: INDAM01 Instrument ID: GC03
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 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

EBrci
7/9/96



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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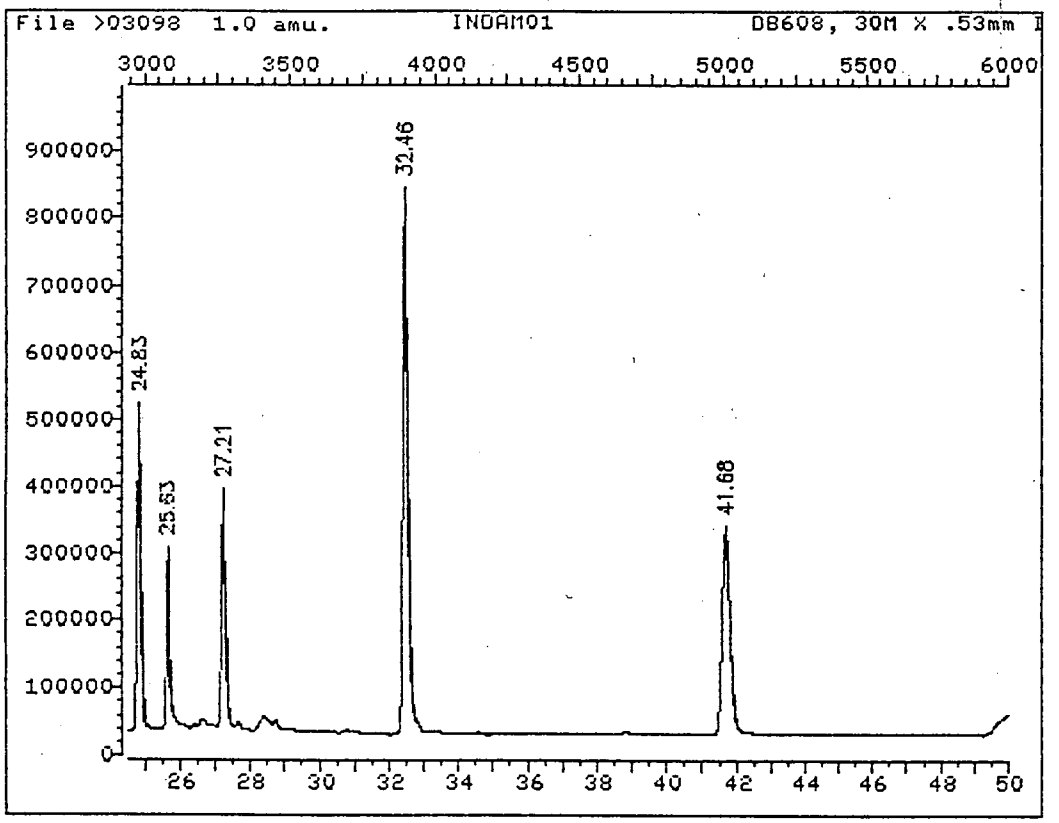

Data File: >03098::G3 Quant Output File: ^03098::F3
Name: INDAM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

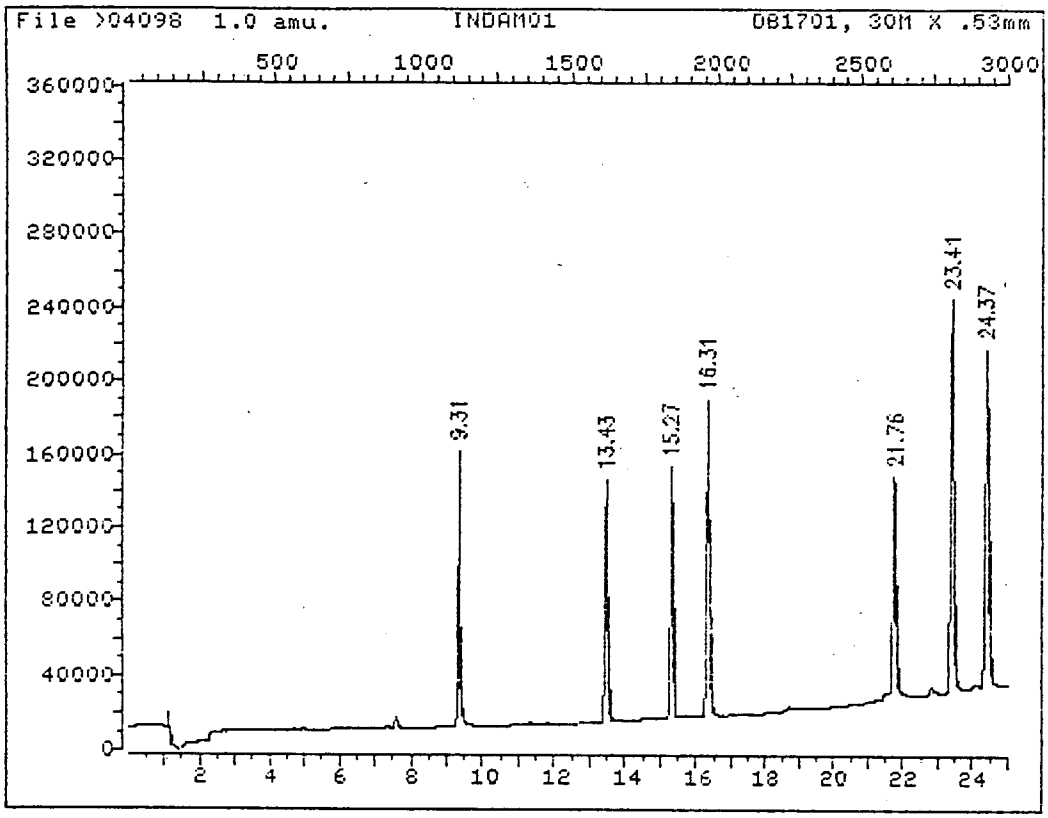
Quant Rev: 7
Quant Time: 960702 22:05
Injected at: 960702 00:13
Dilution Factor: 1.00000
Instrument ID: GC04

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

EPmi
7/10/96



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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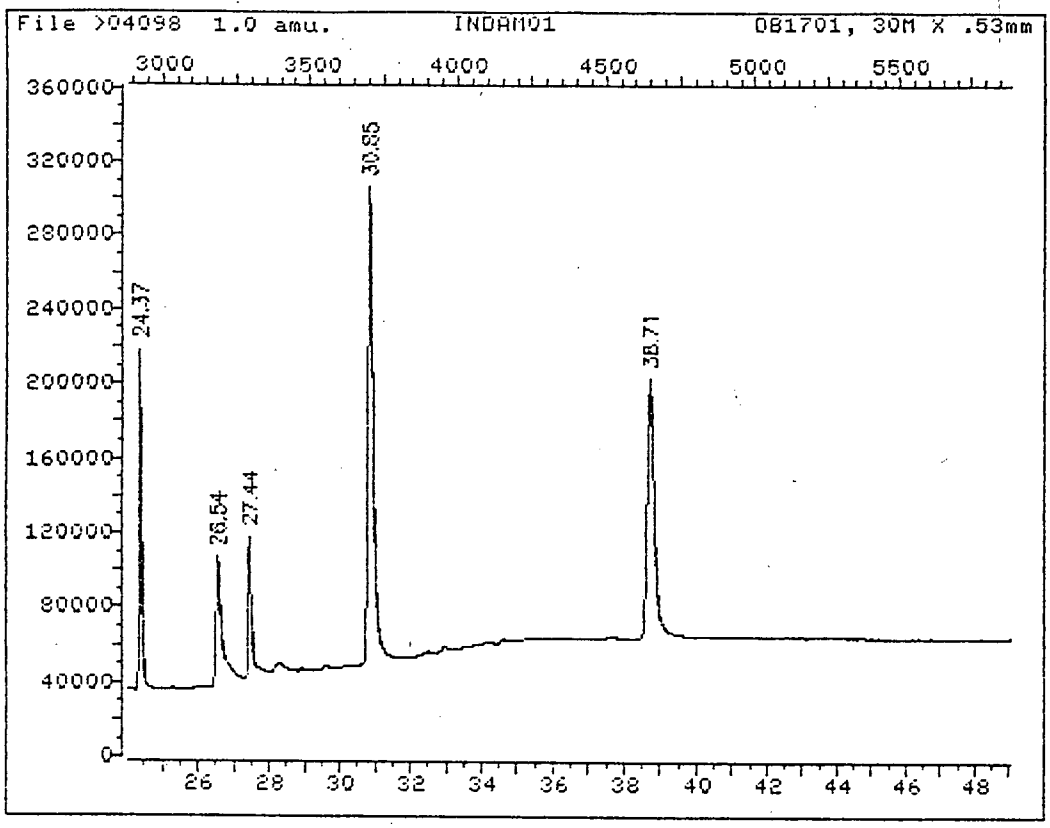

Data File: >04098::G5 Quant Output File: ^04098::F3
Name: INDAM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

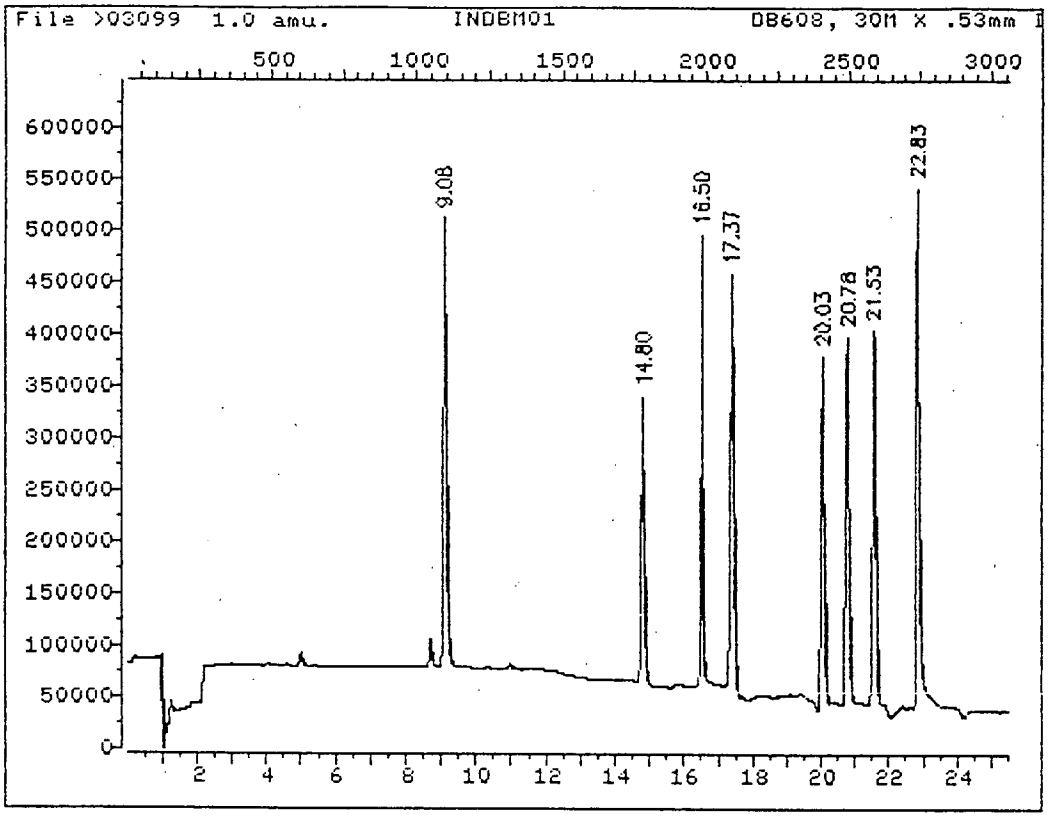
Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960704 15:22
Output File: ^03099::F3
Injected at: 960702 01:09
Data File: >03099::G3
Dilution Factor: 1.00000
Name: INDBM01
Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960701 19:30

	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~~ EP	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

E Price
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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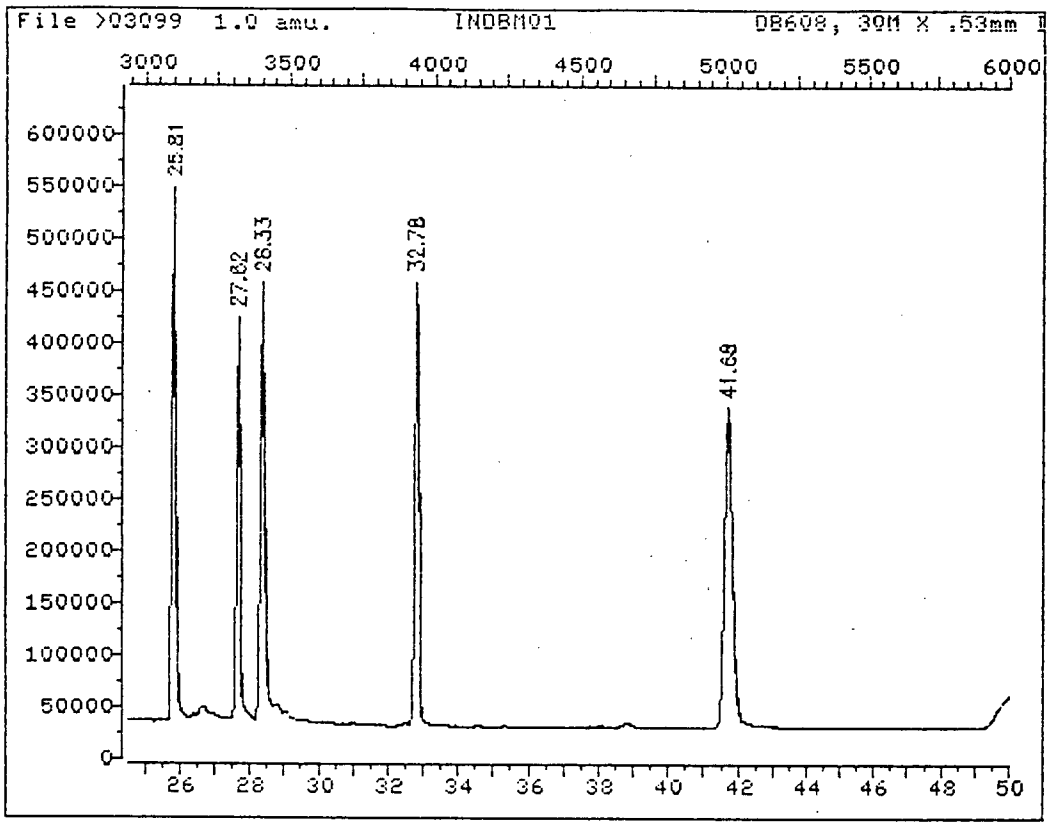

Data File: >03099::G3 Quant Output File: ^03099::F3
Name: INDBM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 Quant Rev: 7 Quant Time: 960702 22:06
Output File: ^04099::F3 Injected at: 960702 01:09
Data File: >04099::G5 Dilution Factor: 1.00000
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

	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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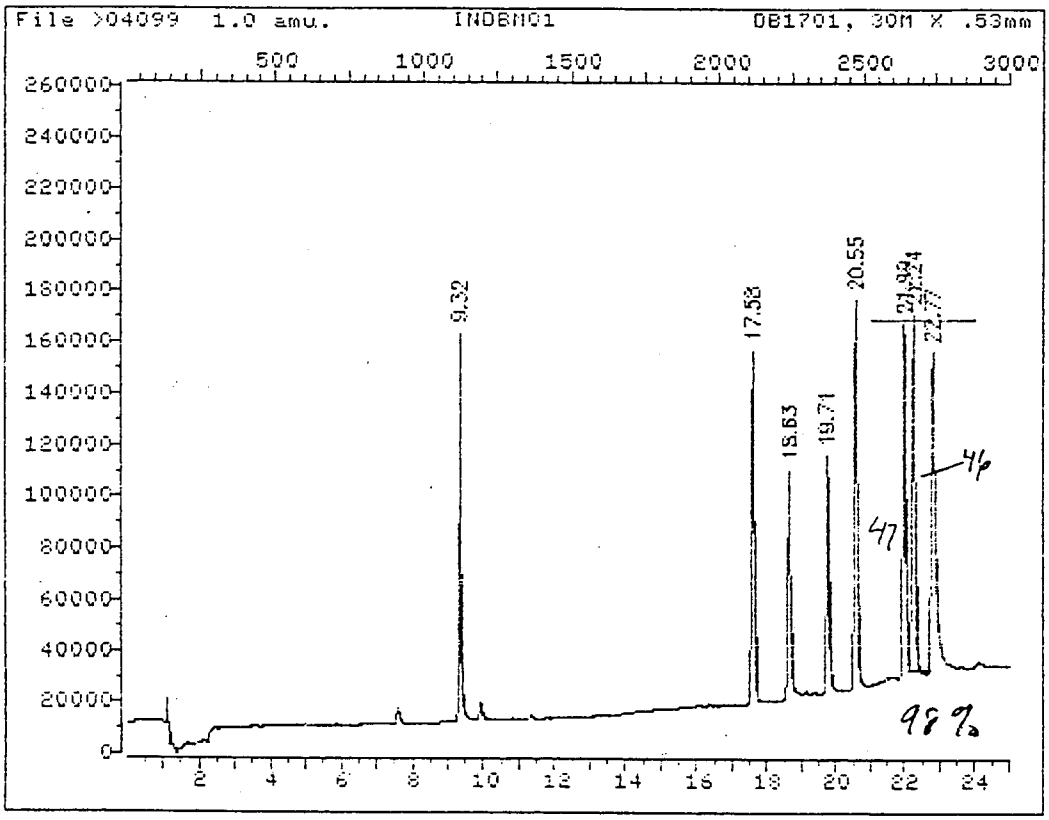
7/10/96



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 Cal Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960702 22:06
Injected at: 960702 01:09

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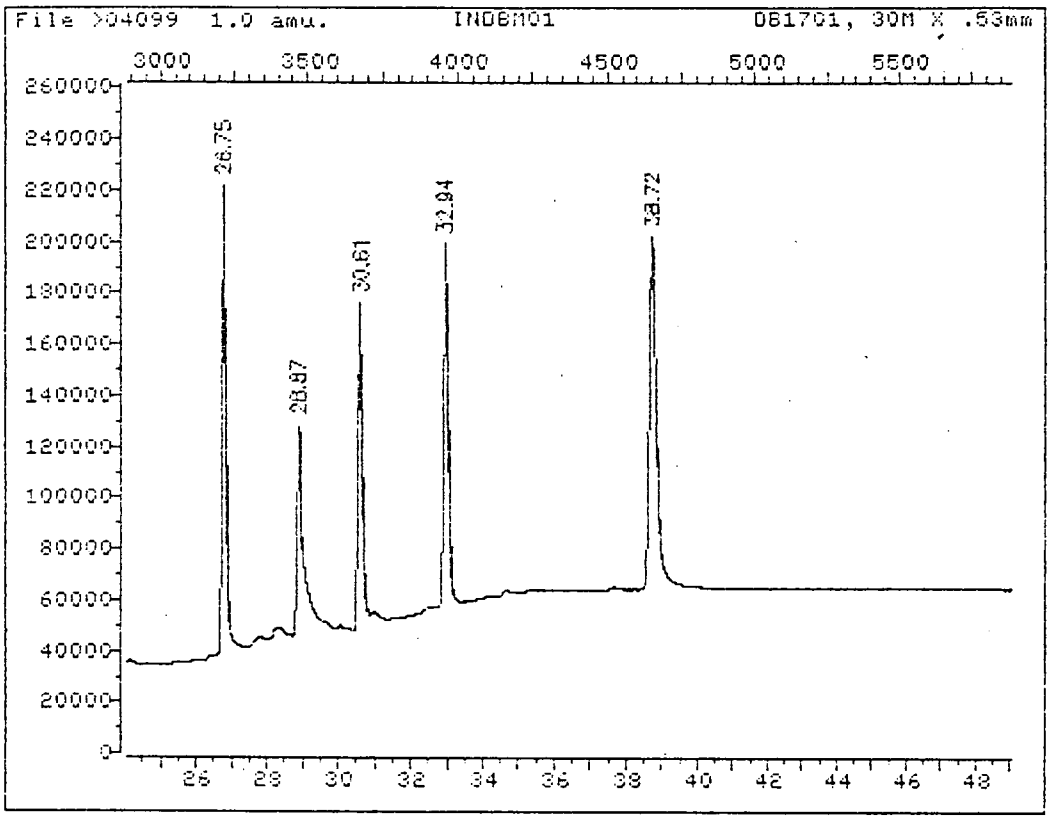

Data File: >04099::G5 Quant Output File: ^04099::F3
Name: INDBM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 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
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

	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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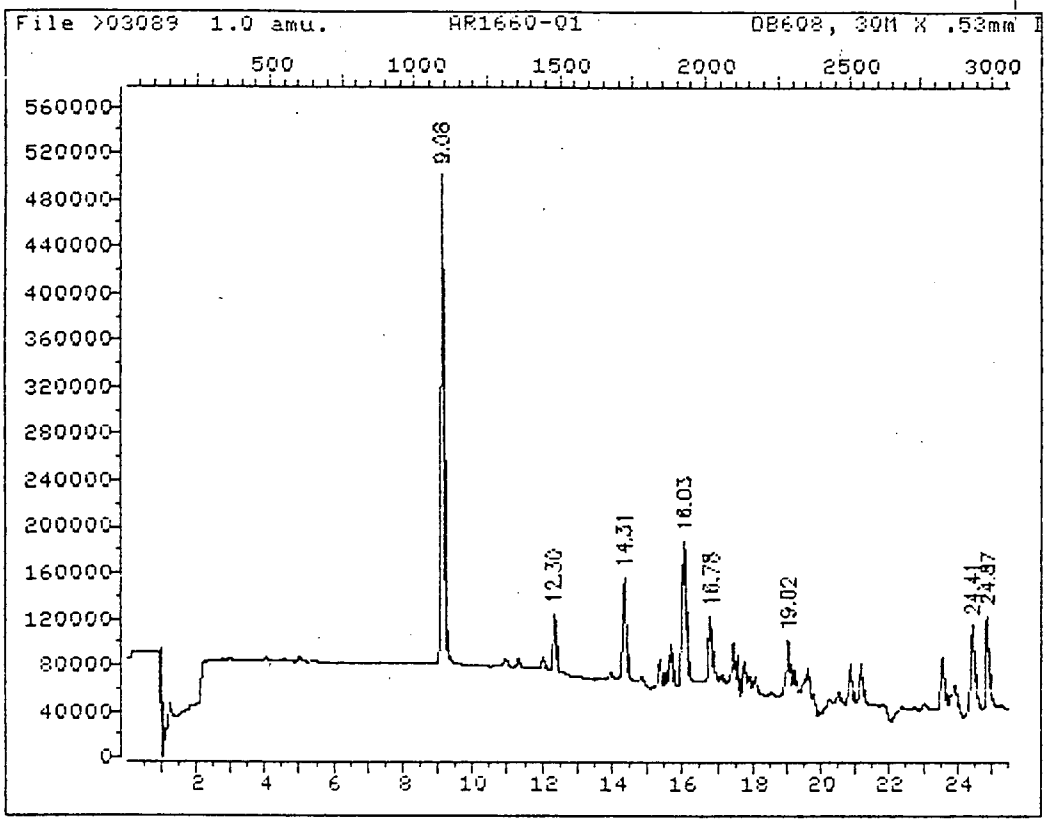
7/9/96



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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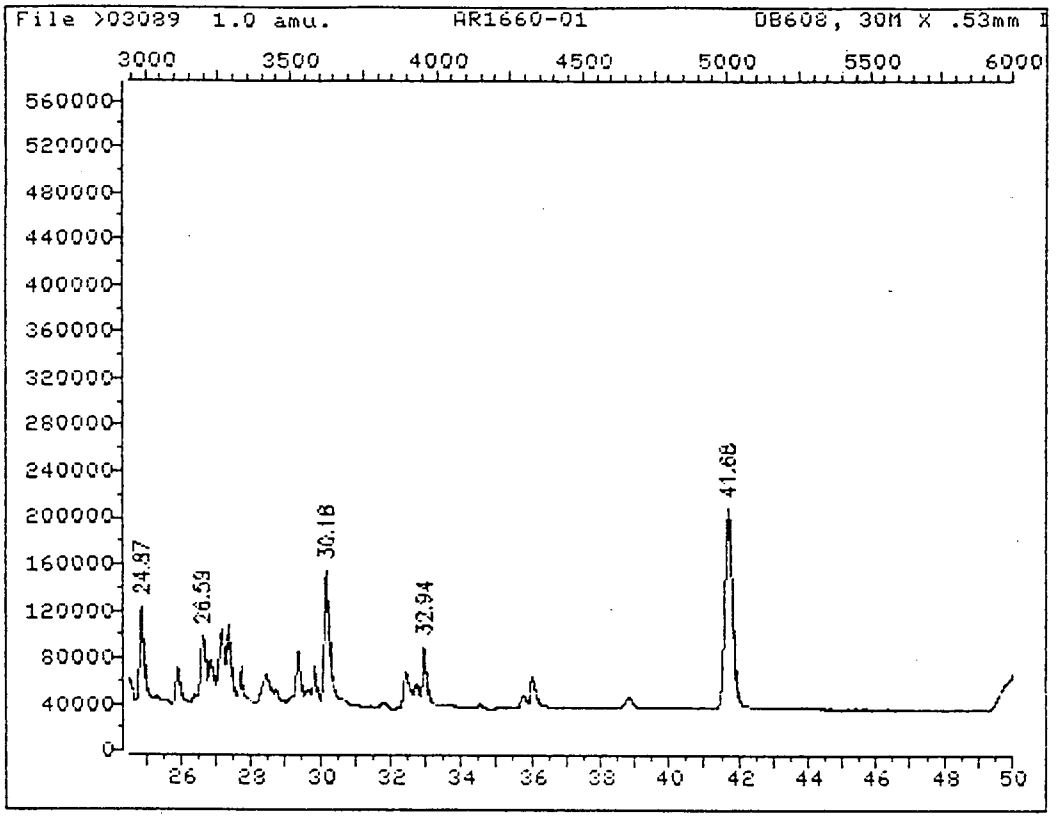

Data File: >03089::G3 Quant Output File: ^03089::F3
Name: AR1660-01 Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903. 1ul INJ

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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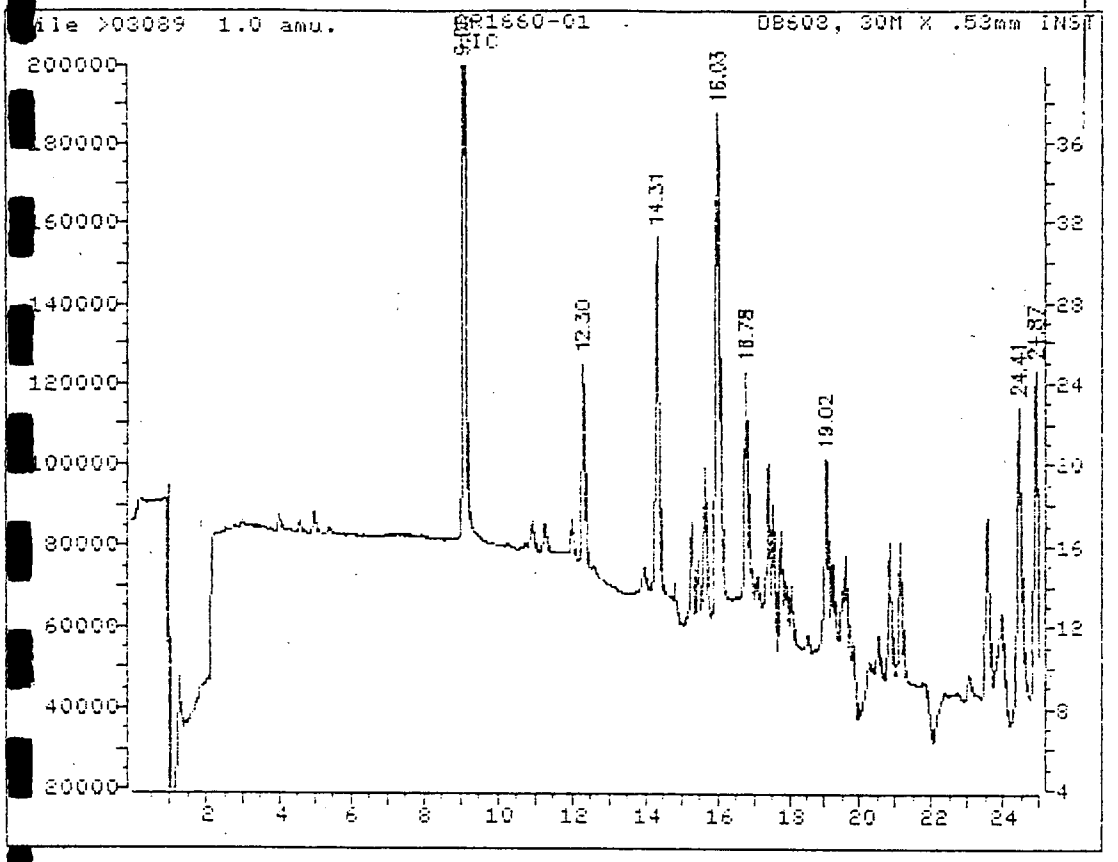
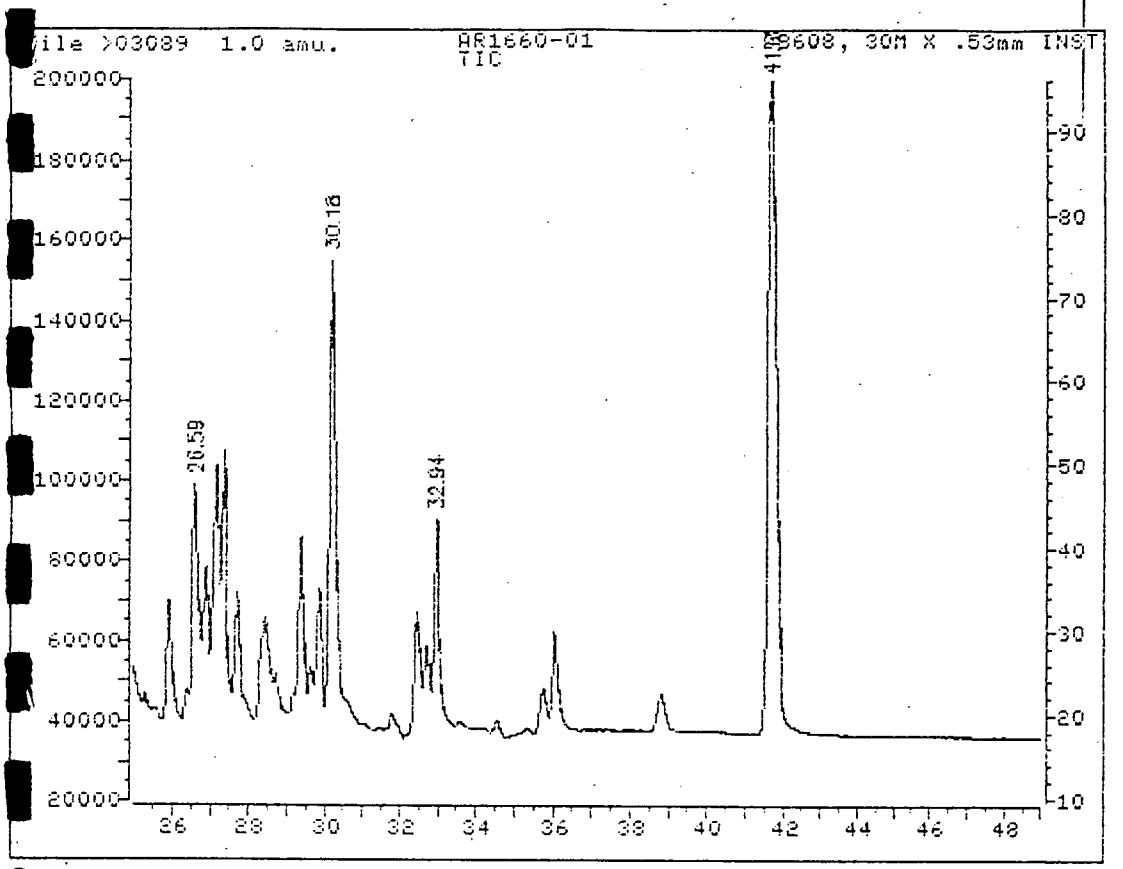


MS data file header from : >03089::G3

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 : D8608, 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
Quant Rev: 7
Quant Time: 960705 17:13
Output File: ^04089::F3
Injected at: 960701 15:43
Data File: >04089::G5
Dilution Factor: 1.00000
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

	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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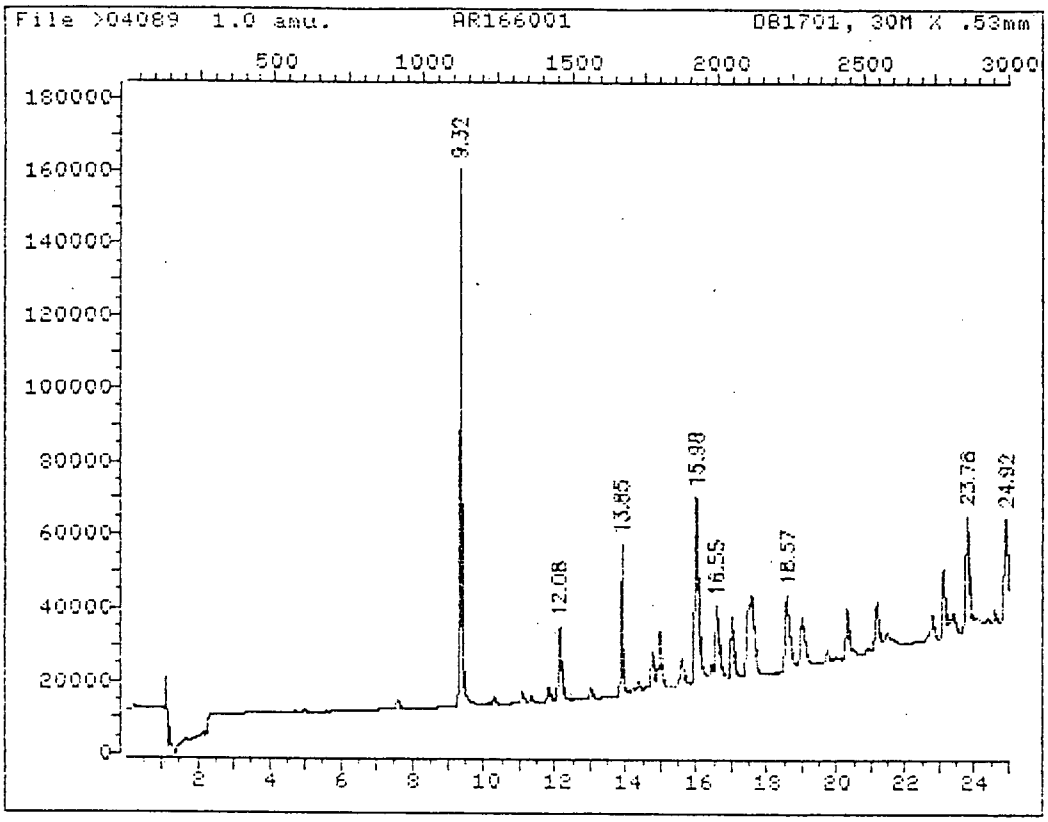

Data File: >04089::G5 Quant Output File: ^04089::F3
Name: AR166001 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941027 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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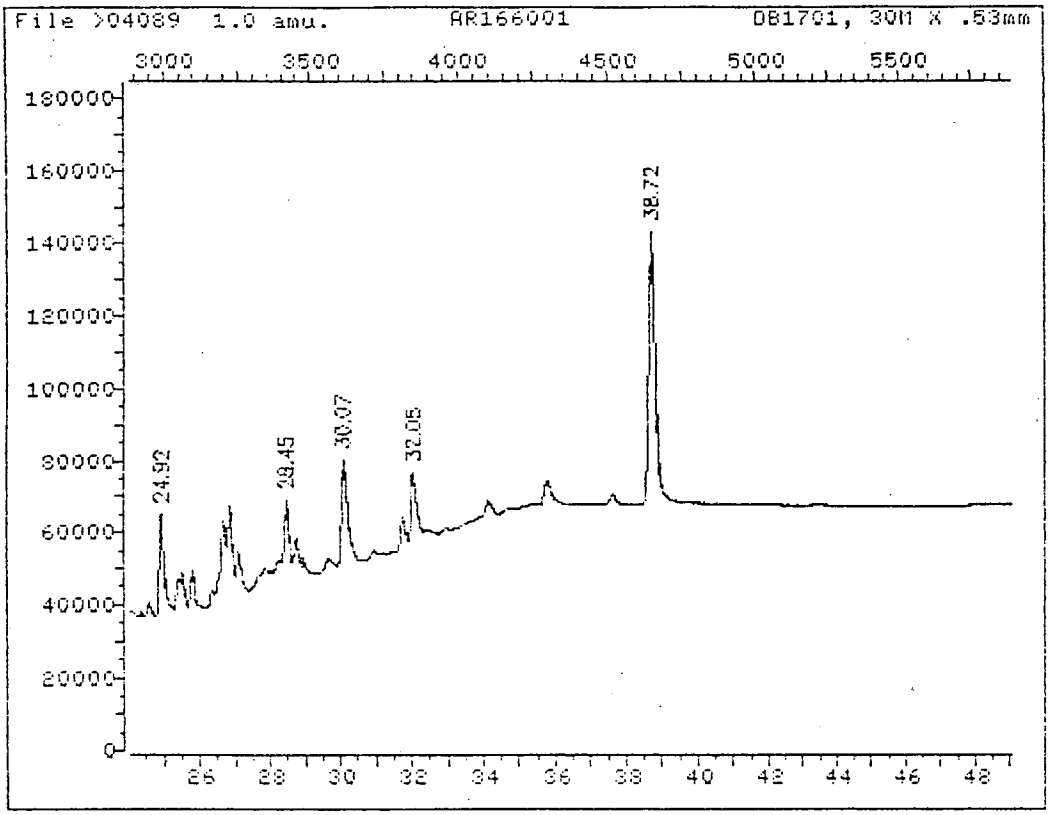

Data File: >04089::G5 Quant Output File: ^04089::F5
Name: AR166001 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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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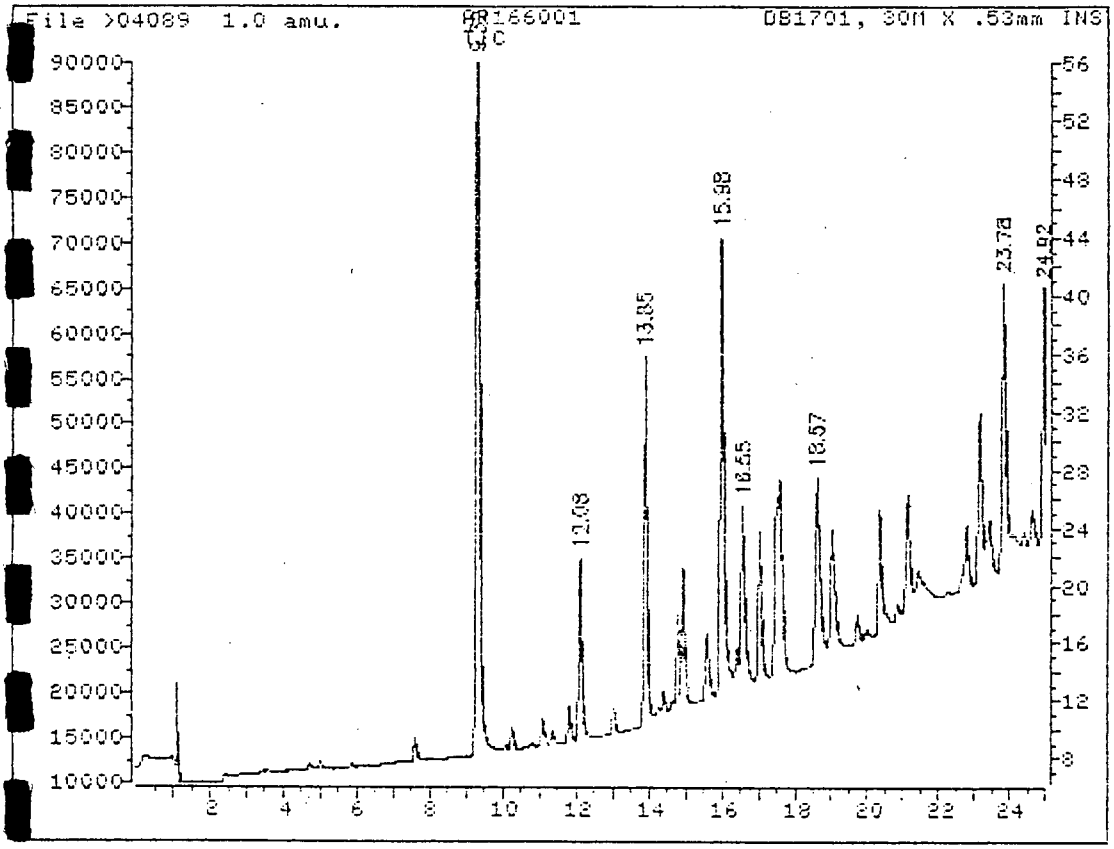
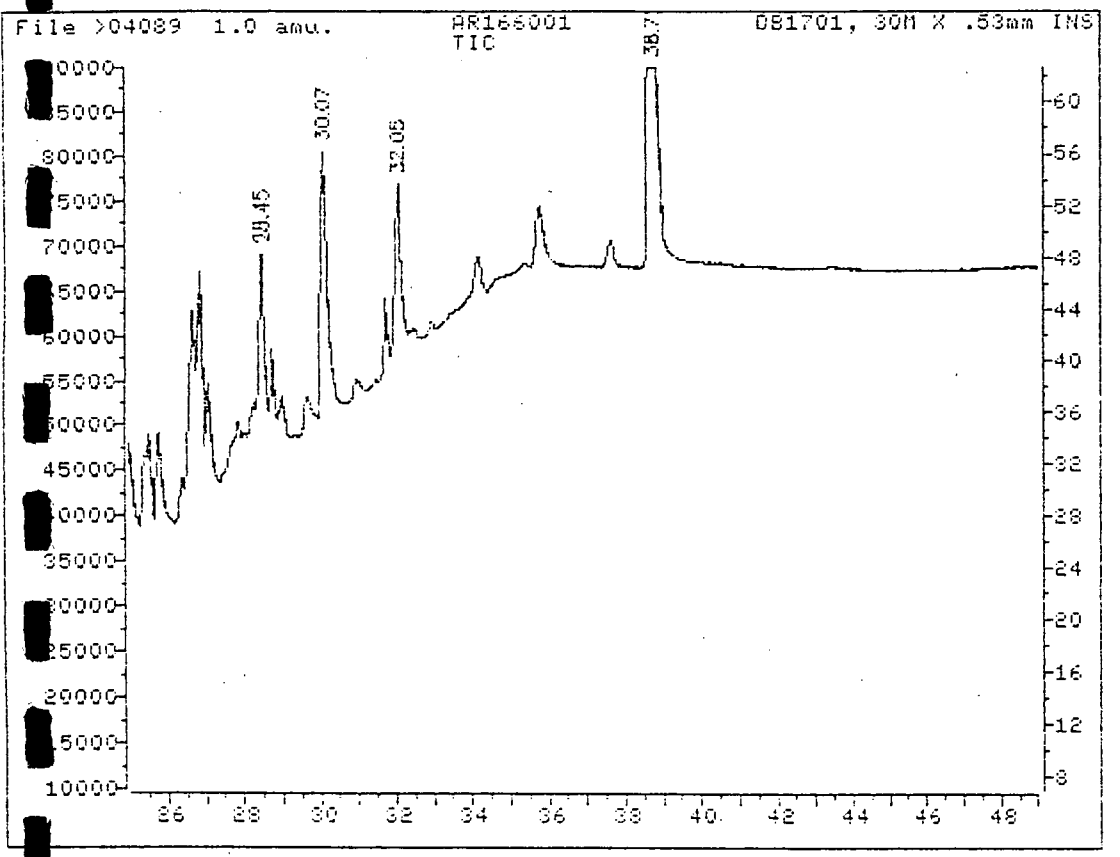


MS data file header from : >04089::G5

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



G data file header from : >04089::G5

Sample: AR166001 Operator: TRFIL 7/01/96 15:43
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: ^03011::SQ
Data File: >03011::G4/
Name: FLORISIL CHECK
Misc: DB608. 30M X .53mmINST 58903. 1ul INJ

Quant Rev: 7
Quant Time: 960613 11:50
Injected at: 960612 22:01
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55

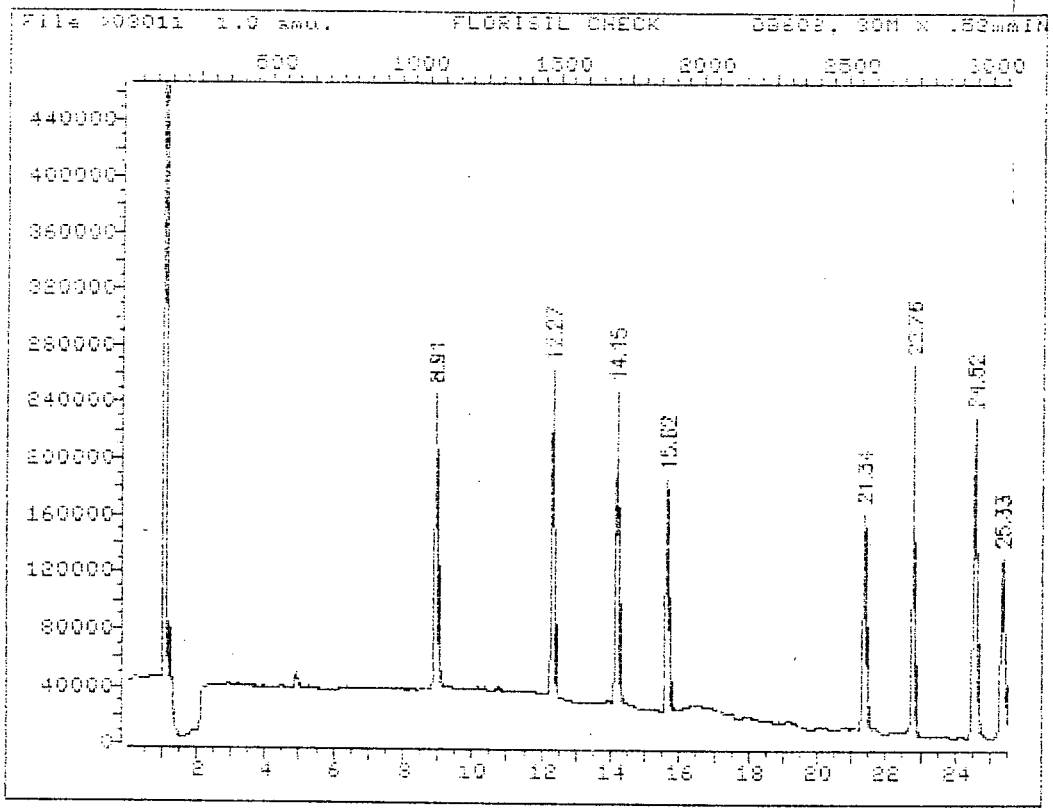
Last Qca: Time: 960611 22:18

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	8.91	1069	1160631	10.27	ng/ml	100
2) #alpha-BHC	12.27	1473	1349106	9.99	ng/ml	100
5) #gamma-BHC (Lindane)	14.15	1698	1202377	9.19	ng/ml	100
6) #Heptachlor	15.62	1875	1057974	10.10	ng/ml	100
9) #Endosulfan I	21.34	2561	952512	9.72	ng/ml	100
10) #Dieldrin	22.76	2731	1665271	18.85	ng/ml	100
12) #Endrin	24.52	2942	1599633	19.53	ng/ml	100
14) #4,4'-DDD	25.33	3039	1054829	18.68	ng/ml	100
16) #4,4'-DDT	26.89	3226	1118412	17.68	ng/ml	100
17) #Methoxychlor	32.09	3850	3785003	103.31	ng/ml	100
19) #Decachlorobiphenyl	41.02	4922	2298044	20.98	ng/ml	100

Ng injected

Compound uses ESTD

7/24/96



Data File: >03011::G4 Quant Output File: ^03011::GQ
Name: FLORISIL CHECK Instrument ID: GC03
Misc: DB608, 30M X .53mmINST 58903, 1ul INJ

Id File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55 Last Qcal Time: 960611 22:18

Operator ID: TRFIL
Quant Time : 960613 11:50
Injected at: 960612 22:01

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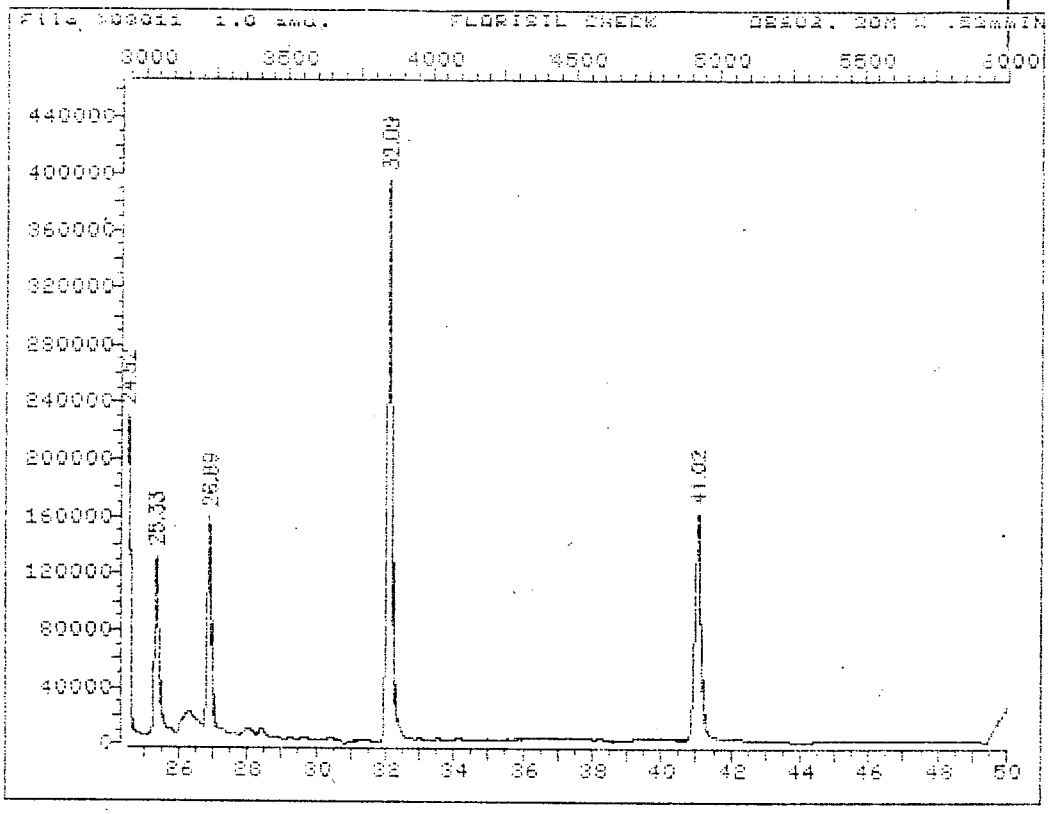

Data File: >03011::G4 Quant Output File: ^03011::GQ
Name: FLORISIL CHECK Instrument ID: GC03
Misc: DB608, 30M X .53mmINST 58903, 1ul INJ

Id File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55 Last Qcal Time: 960611 22:18

Operator ID: TRFIL
Quant Time : 960613 11:50
Injected at: 960612 22:01

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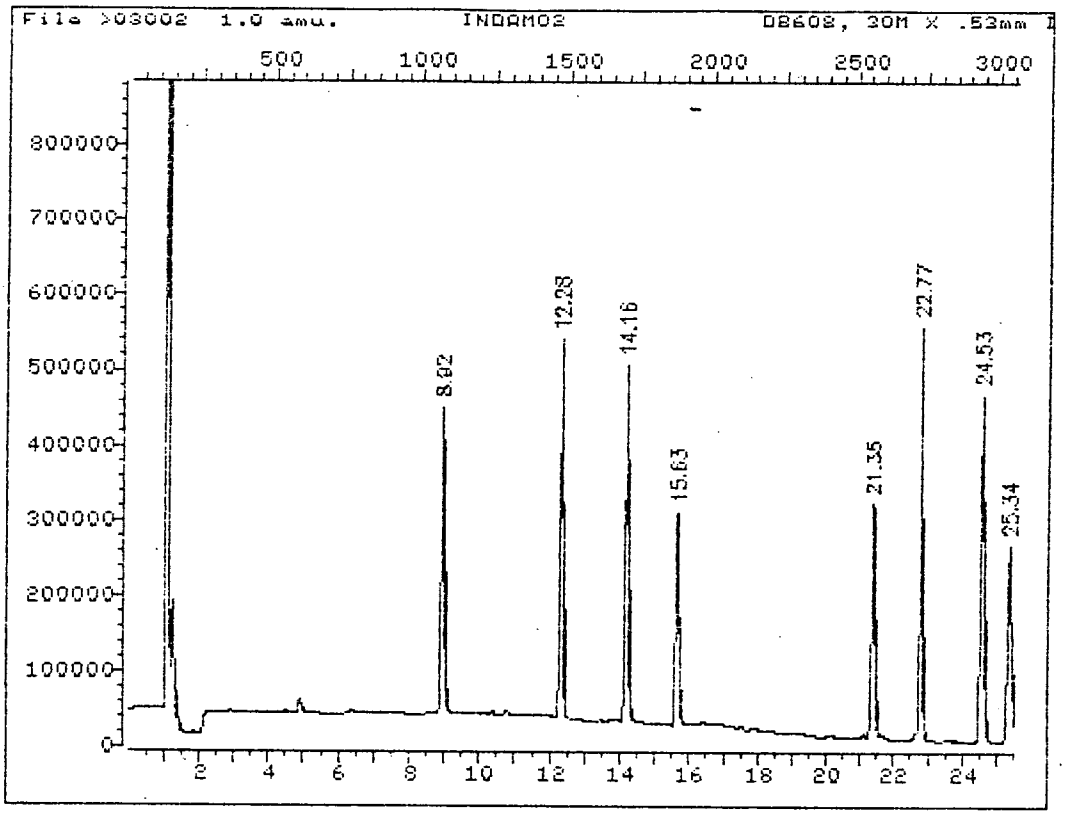
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960613 11:41
Output File: ^03002::GQ Injected at: 960612 13:29
Data File: >03002::G4 Dilution Factor: 1.00000
Name: INDAM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55 Last Qcal Time: 960611 22:18

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	8.92	1070	2267052	20.06	ng/ml	100
2)	#alpha-BHC	0.020	12.28	1474	2720006	20.13	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.16	1699	2586782	19.78	ng/ml	100
6)	#Heptachlor	0.020	15.63	1876	1826438	17.43	ng/ml	100
9)	#Endosulfan I	0.020	21.35	2562	1963506	20.04	ng/ml	100
10)	#Dieldrin	0.040	22.77	2732	3597976	40.73	ng/ml	100
12)	#Endrin	0.040	24.53	2943	3236438	39.51	ng/ml	100
14)	#4,4'-DDD	0.040	25.34	3040	2229380	39.48	ng/ml	100
16)	#4,4'-DDT	0.040	26.89	3227	2387045	37.74	ng/ml	100
17)	#Methoxychlor	0.200	32.09	3851	7187719	196.19	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.03	4924	4524749	41.30	ng/ml	100

Compound uses ESTD

7/26/96



Data File: >03002::G4 Quant Output File: ^03002::GQ
Name: INDAM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST.58903, 1ul INJ

Id File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55 Last Qcal Time: 960611 22:18

Operator ID: TRFIL
Quant Time : 960613 11:41
Injected at: 960612 13:29

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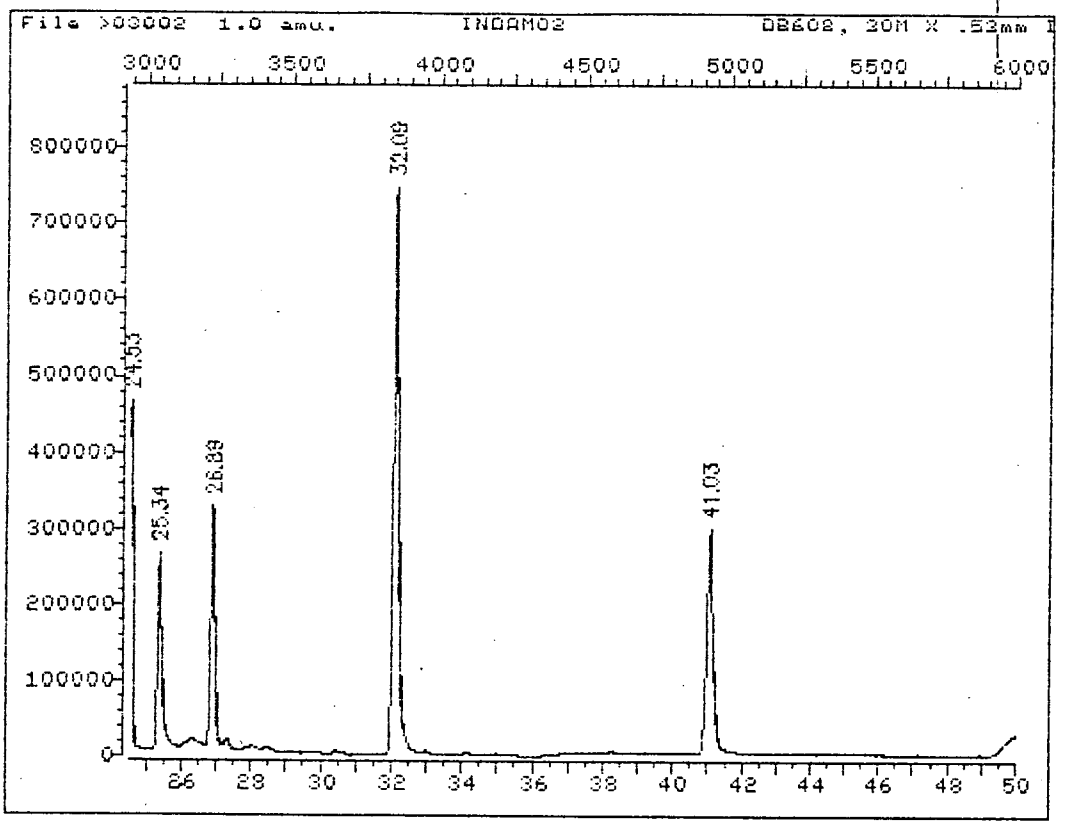

Data File: >03002::G4 Quant Output File: ^03002::GQ
Name: INDAM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55 Last Qcal Time: 960611 22:18

Operator ID: TRFIL
Quant Time : 960613 11:41
Injected at: 960612 13:29

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04002::GQ
Data File: >04002::G5
Name: INDAM02
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

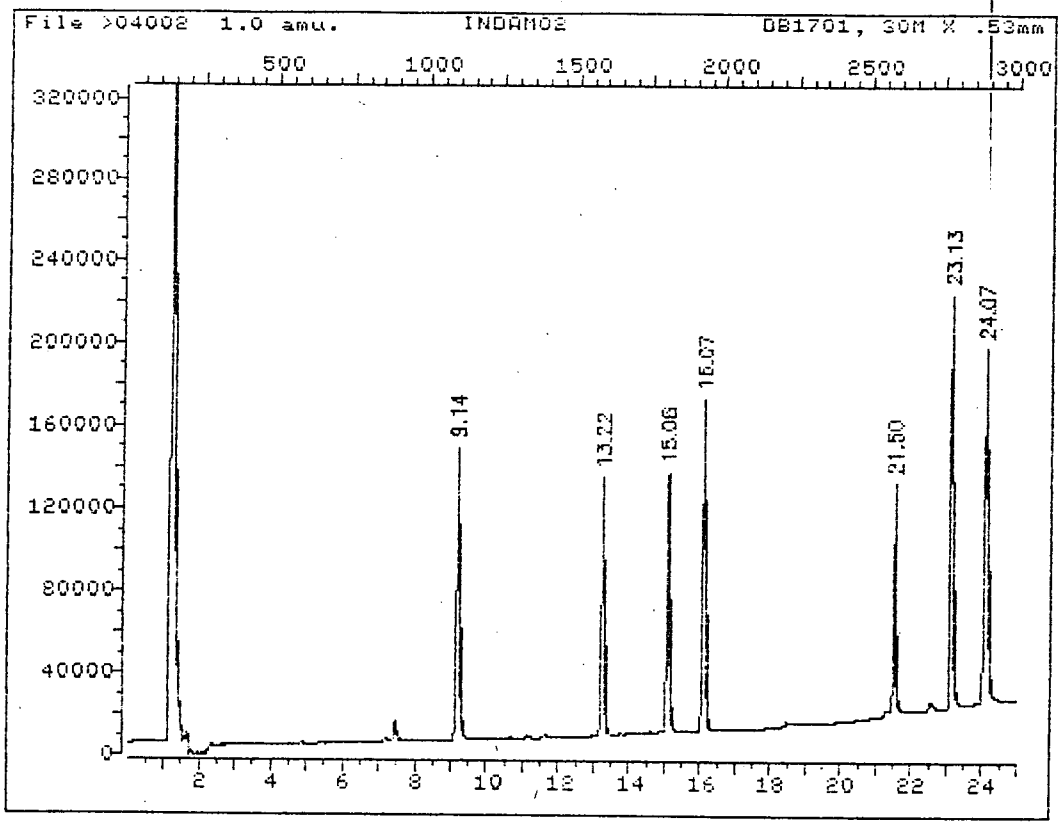
Quant Rev: 7
Quant Time: 960613 09:20
Injected at: 960612 13:28
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP4::SC
Title: Capillary Column DB1701
Last Calibration: 950824 10:55
Last Qcal Time: 960611 19:27

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.14	1097	779082	20.36	ng/ml	100
2)	#alpha-BHC	0.020	13.22	1587	613290	20.58	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	15.06	1807	638114	20.67	ng/ml	100
6)	#Heptachlor	0.020	16.07	1929	904178	20.37	ng/ml	100
9)	#Endosulfan I	0.020	21.50	2580	676378	20.07	ng/ml	100
10)	#Dieldrin	0.040	23.13	2775	1236494	40.53	ng/ml	100
12)	#Endrin	0.040	24.07	2888	1109982	41.11	ng/ml	100
14)	#4,4'-DDD	0.040	26.23	3147	744917	40.76	ng/ml	100
16)	#4,4'-DDT	0.040	27.11	3253	586488	46.93	ng/ml	100
17)	#Methoxychlor	0.200	30.49	3659	2490199	228.18	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.16	4579	1810547	40.75	ng/ml	100

Compound uses ESTD

7/26/96



Data File: >04002::G5 Quant Output File: ^04002::GQ
Name: INDAM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP4::SC
Title: Capillary Column DB1701
Last Calibration: 950824 10:55 Last Qcal Time: 960611 19:27

Operator ID: TRFIL
Quant Time : 960613 09:20
Injected at: 960612 13:28

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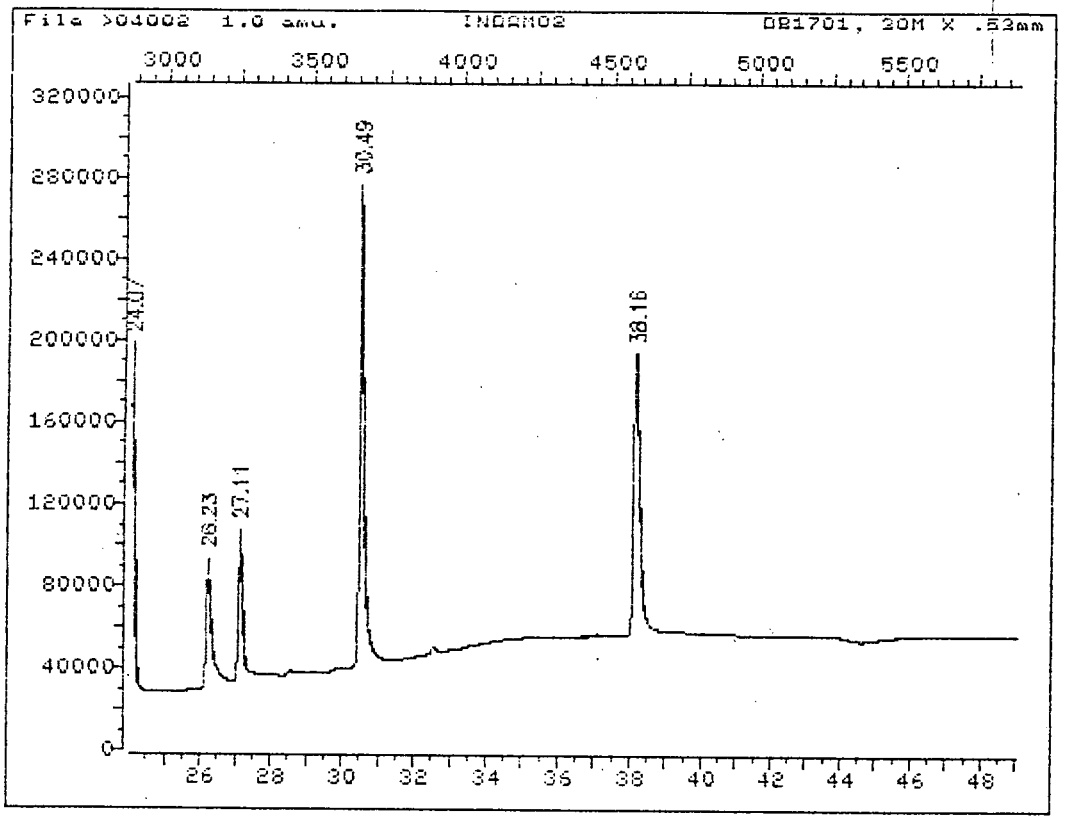

Data File: >04002::G5 Quant Output File: ^04002::GQ
Name: INDAM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP4::SC
Title: Capillary Column DB1701
Last Calibration: 950824 10:55 Last Qcal Time: 960611 19:27

Operator ID: TRFIL
Quant Time : 960613 09:20
Injected at: 960612 13:28

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03003::GQ
Data File: >03003::G4
Name: INDBM02
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

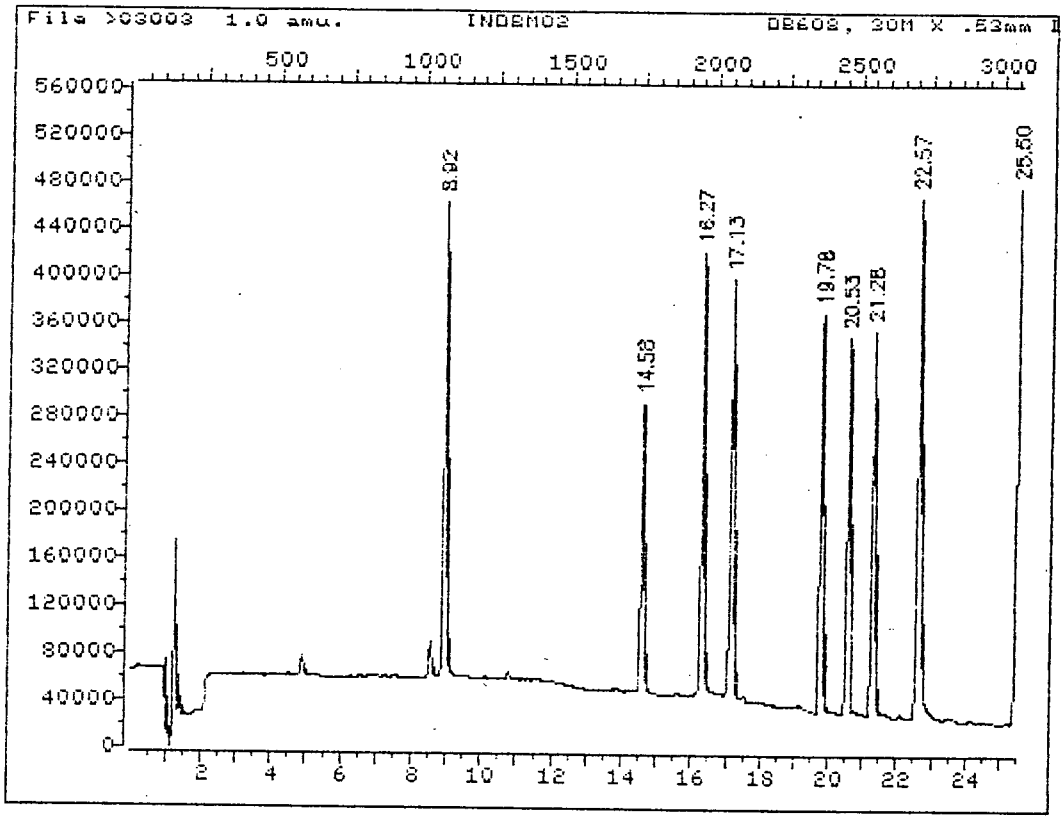
Quant Rev: 7
Quant Time: 960613 11:42
Injected at: 960612 14:26
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55
Last Qcal Time: 960611 22:18

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	8.92	1070	2270404	20.08	ng/ml	100
3)	#beta-BHC	0.020	14.58	1750	1431936	20.29	ng/ml	100
4)	#delta-BHC	0.020	16.27	1953	2108456	20.56	ng/ml	100
7)	#Aldrin	0.020	17.13	2056	2311952	20.02	ng/ml	100
8)	#Heptachlor epoxide	0.020	19.78	2374	2141529	19.94	ng/ml	100
11)	#4,4'-DDE	0.040	22.57	2708	3186421	40.67	ng/ml	100
13)	#Endosulfan II	0.040	25.50	3060	3420012	39.98	ng/ml	100
15)	#Endosulfan Sulfate	0.040	27.98	3357	2850217	41.30	ng/ml	100
18)	#Endrin ketone	0.040	32.39	3886	3170407	40.33	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.03	4924	4417263	40.32	ng/ml	100
20)	#alpha-Chlordane	0.020	21.28	2553	2075433	19.98	ng/ml	100
21)	#gamma-Chlordane	0.020	20.53	2464	2119654	20.34	ng/ml	100
30)	#Endrin aldehyde	0.020	27.29	3274	2729172	40.40	ng/ml	100

Compound uses ESTD

7/26/96



Data File: >03003::G4 Quant Output File: ^03003::GQ
Name: INDBM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55 Last Qcal Time: 960611 22:18

Operator ID: TRFIL
Quant Time : 960613 11:42
Injected at: 960612 14:26

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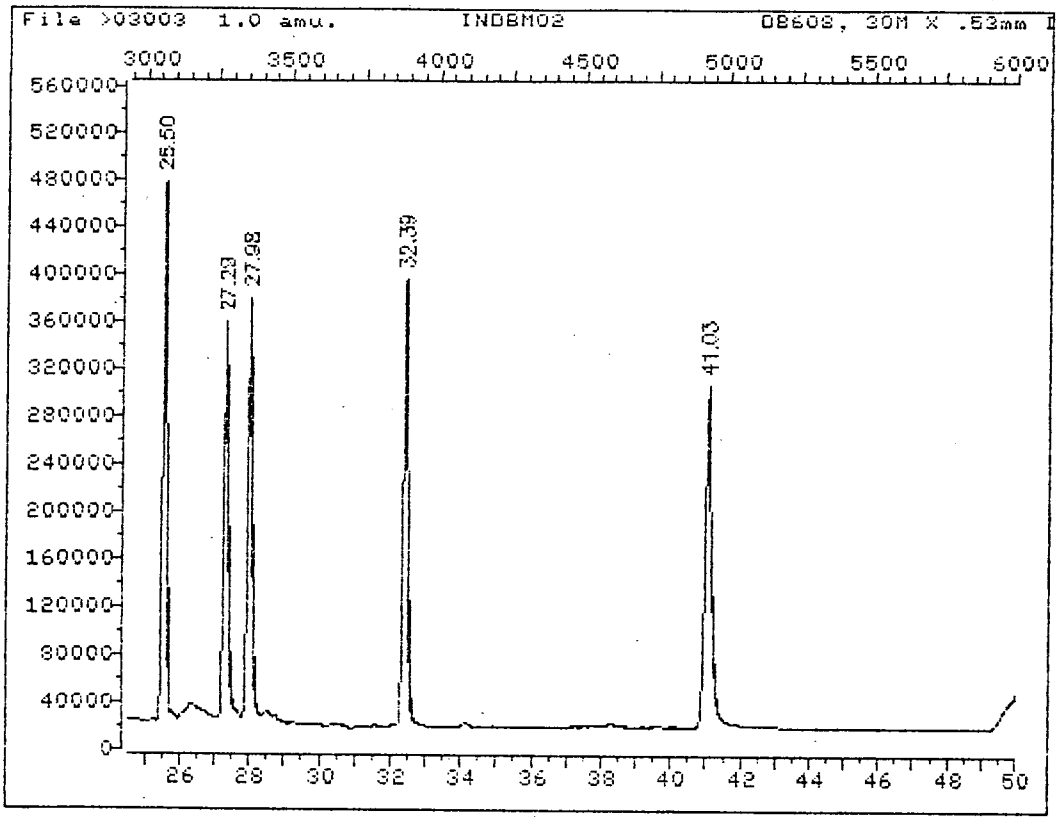

Data File: >03003::G4 Quant Output File: ^03003::GQ
Name: INDBM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55 Last Qcal Time: 960611 22:18

Operator ID: TRFIL
Quant Time : 960613 11:42
Injected at: 960612 14:26

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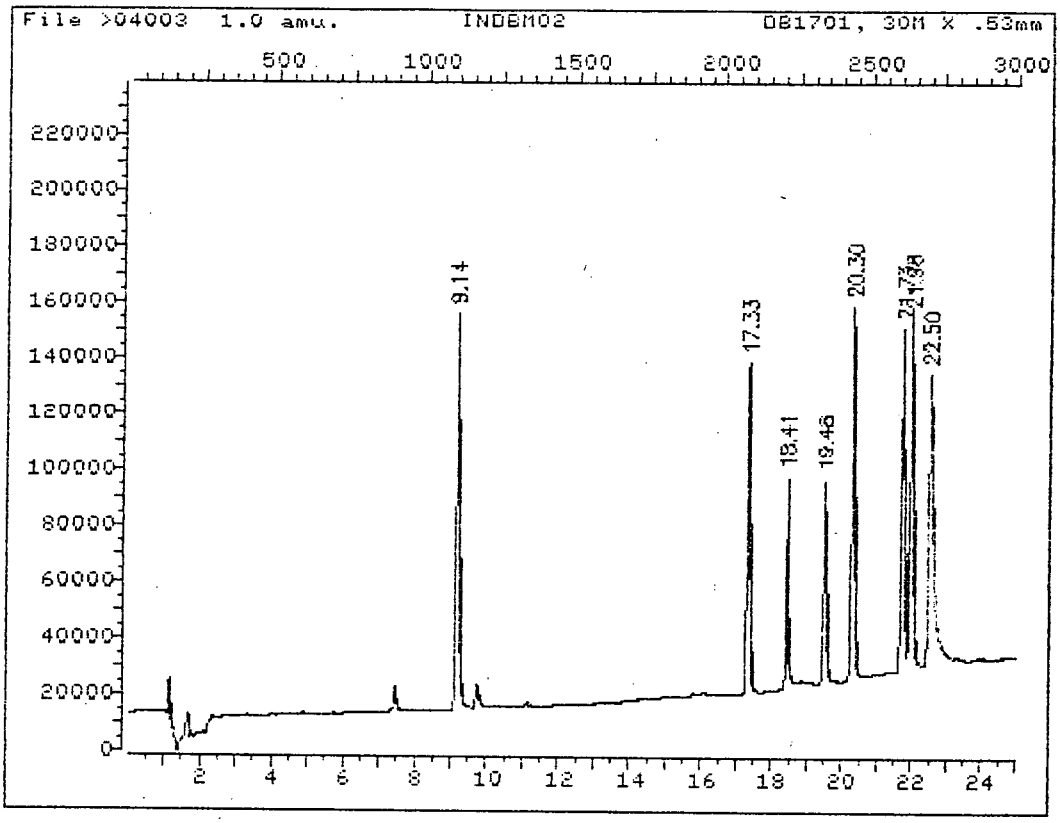
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960613 09:21
Output File: ^04003::GQ Injected at: 960612 14:25
Data File: >04003::G5 Dilution Factor: 1.00000
Name: INDBM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903. 1ul INJ

ID File: IDCAP4::SC
Title: Capillary Column DB1701
Last Calibration: 950824 10:55 Last Qcal Time: 960611 19:27

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.14	1097	776742	20.30	ng/ml	100
3)	#beta-BHC	0.020	18.41	2209	461903	21.20	ng/ml	100
4)	#delta-BHC	0.020	19.48	2337	393296	20.34	ng/ml	100
7)	#Aldrin	0.020	17.33	2080	659082	19.89	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.30	2436	779946	20.10	ng/ml	100
11)	#4,4'-DDE	0.040	22.50	2700	984516	41.32	ng/ml	100
13)	#Endosulfan II	0.040	26.42	3170	1253967	39.68	ng/ml	100
15)	#Endosulfan Sulfate	0.040	30.24	3628	911867	41.33	ng/ml	100
18)	#Endrin ketone	0.040	32.54	3904	1019071	40.22	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.16	4579	1773904	39.92	ng/ml	100
20)	#alpha-Chlordane	0.020	21.98	2638	730141	19.88	ng/ml	100
21)	#gamma-Chlordane	0.020	21.73	2608	712497	19.90	ng/ml	100
30)	#Endrin aldehyde	0.020	28.51	3421	1096532	40.98	ng/ml	100

Compound uses ESTD

JHM 7/26/96



Data File: >04003::G5 Quant Output File: ^04003::GQ
Name: INDBM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP4::SC
Title: Capillary Column DB1701
Last Calibration: 950824 10:55 Last Qcal Time: 960611 19:27

Operator ID: TRFIL
Quant Time : 960613 09:21
Injected at: 960612 14:25

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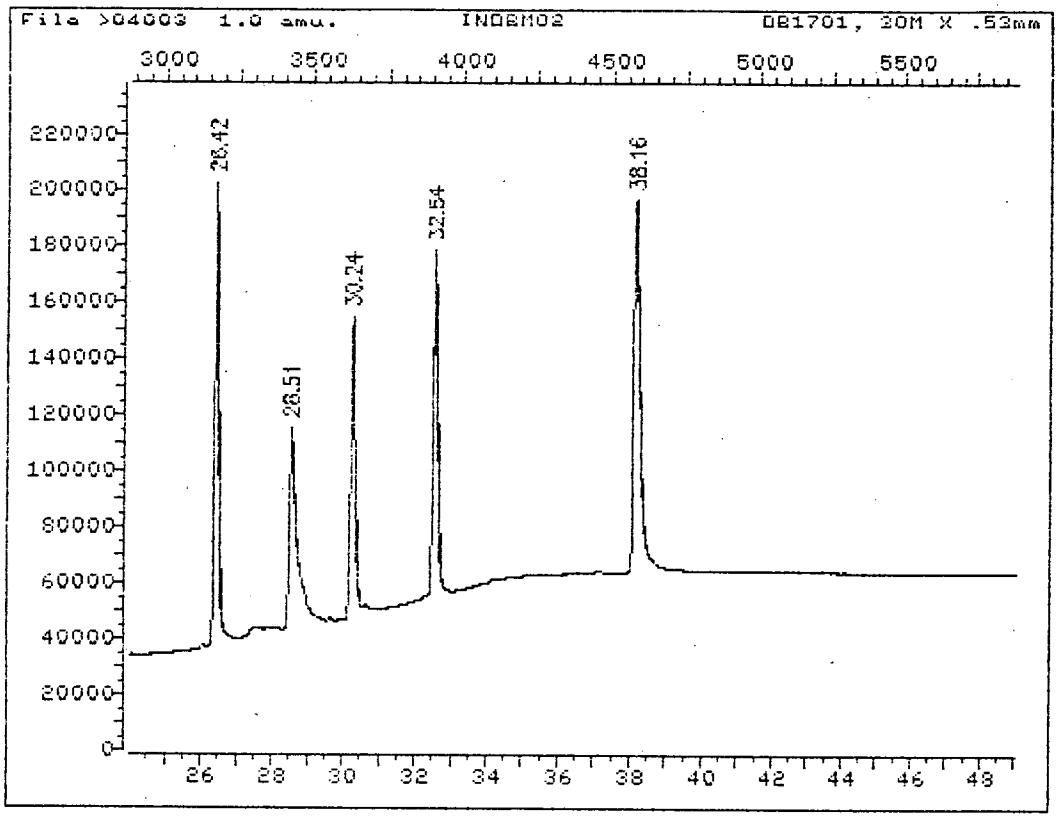

Data File: >04003::G5 Quant Output File: ^04003::GQ
Name: INDBM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP4::SC
Title: Capillary Column DB1701
Last Calibration: 950824 10:55 Last Qcal Time: 960611 19:27

Operator ID: TRFIL
Quant Time : 960613 09:21
Injected at: 960612 14:25

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Operator ID: TRFIL
Output File: ^03996::F3
Data File: >03996::G4
Name: TRICHLOROPHENOL
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

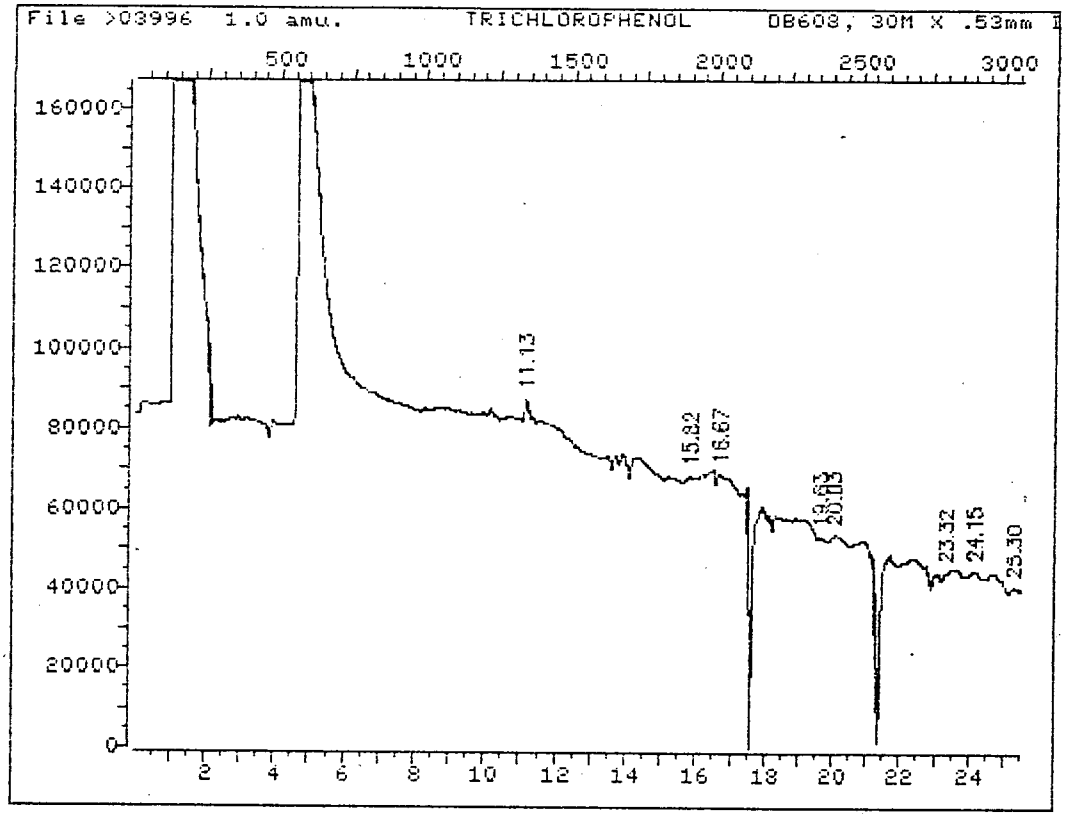
Quant Rev: 7
Quant Time: 960704 15:45
Injected at: 960612 07:47
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55
Last Qcal Time: 960611 22:18

Compound	R.T.	Scan#	Area	Conc	Units	q
~~6) #Heptachlor~~ OW	15.82	1898	10303	.0983	ng/ml	100
~~8) #Heptachlor epoxide~~ OW	19.63	2355	9654	.0899	ng/ml	100
~~14) #4,4'-DDD~~ OW	25.30	3036	16872	.299	ng/ml	100
~~15) #Endosulfan Sulfate~~ OW	27.98	3357	66045	.957	ng/ml	100
~~16) #4,4'-DDT~~ OW	26.84	3221	179838	2.84	ng/ml	100
~~22) #Toxaphene(1)~~ NP	23.32	2798	9581	6.37	ng/ml	100
~~27) #Aroclor-1248(1)~~ NP	15.82	1898	10303	17.01	ng/ml	100
~~29) #Aroclor-1260(1)~~ NP	24.15	2898	25754	4.33	ng/ml	100
~~31) #Toxaphene(2)~~ NP	25.78	3093	27666	14.71	ng/ml	100
~~32) #Toxaphene(3)~~ NP	27.98	3357	66045	34.50	ng/ml	100
~~35) #Aroclor-1016(3)~~ NP	15.82	1898	10303	.975	ng/ml	100
~~36) #Aroclor-1016(4)~~ NP	16.67	2001	26222	7.33	ng/ml	100
~~38) #Aroclor-1221(2)~~ NP	11.13	1336	34076	22.86	ng/ml	100
~~41) #Aroclor-1232(3)~~ NP	15.82	1898	10303	2.51	ng/ml	100
~~42) #Aroclor-1232(4)~~ NP	16.67	2001	26222	16.32	ng/ml	100
~~43) #Aroclor-1242(2)~~ NP	15.82	1898	10303	1.28	ng/ml	100
~~44) #Aroclor-1242(3)~~ NP	16.67	2001	26222	8.87	ng/ml	100
~~49) #Aroclor-1248(4)~~ NP	20.03	2404	9466	2.51	ng/ml	100
~~52) #Aroclor-1254(3)~~ NP	23.32	2798	9581	1.75	ng/ml	100
~~54) #Aroclor-1254(5)~~ NP	26.84	3221	179838	31.03	ng/ml	100
~~56) #Aroclor-1260(3)~~ NP	26.84	3221	179838	41.01	ng/ml	100

Compound uses ESTD

MMo 7/26/96



Data File: >03996::G4 Quant Output File: ^03996::F3
Name: TRICHLOROPHENOL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST-58903, 1ul INJ

Id File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55 Last Qcal Time: 960611 22:18

Operator ID: TRFIL
Quant Time : 960704 15:45
Injected at: 960612 07:47

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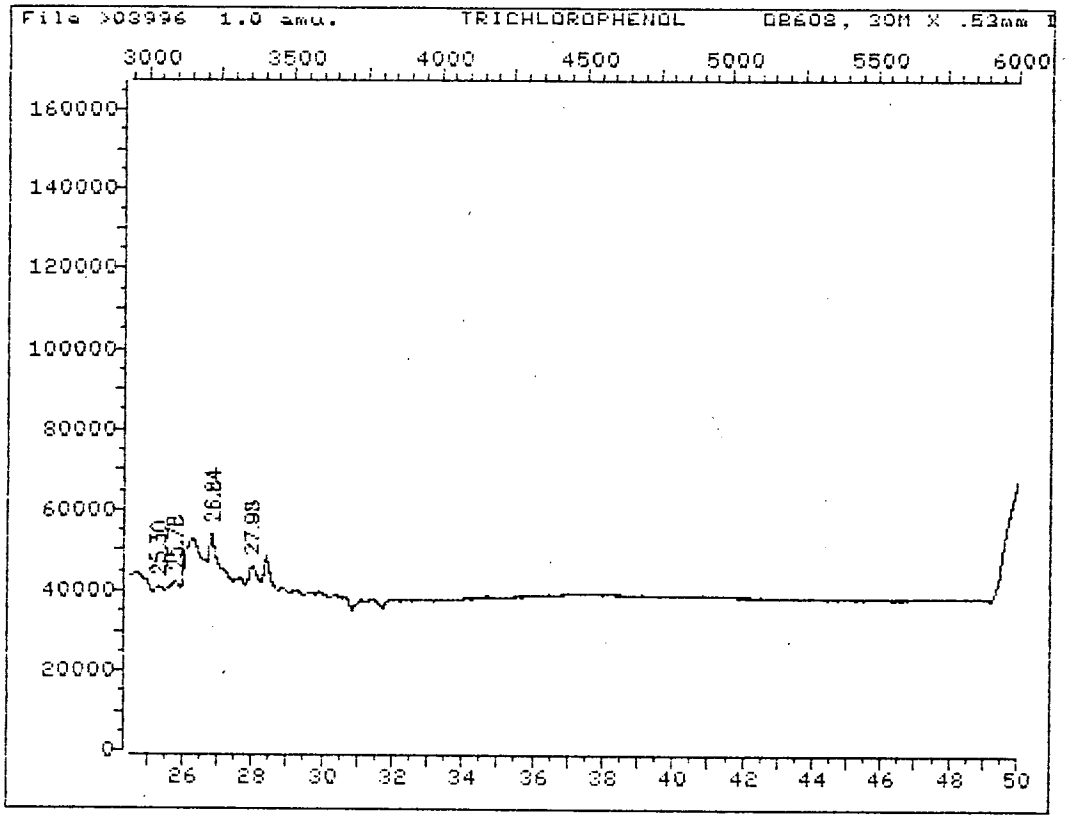

Data File: >03996::G4 Quant Output File: ^03996::F3
Name: TRICHLOROPHENOL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST-58903, 1ul INJ

Id File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55 Last Qcal Time: 960611 22:18

Operator ID: TRFIL
Quant Time : 960704 15:45
Injected at: 960612 07:47

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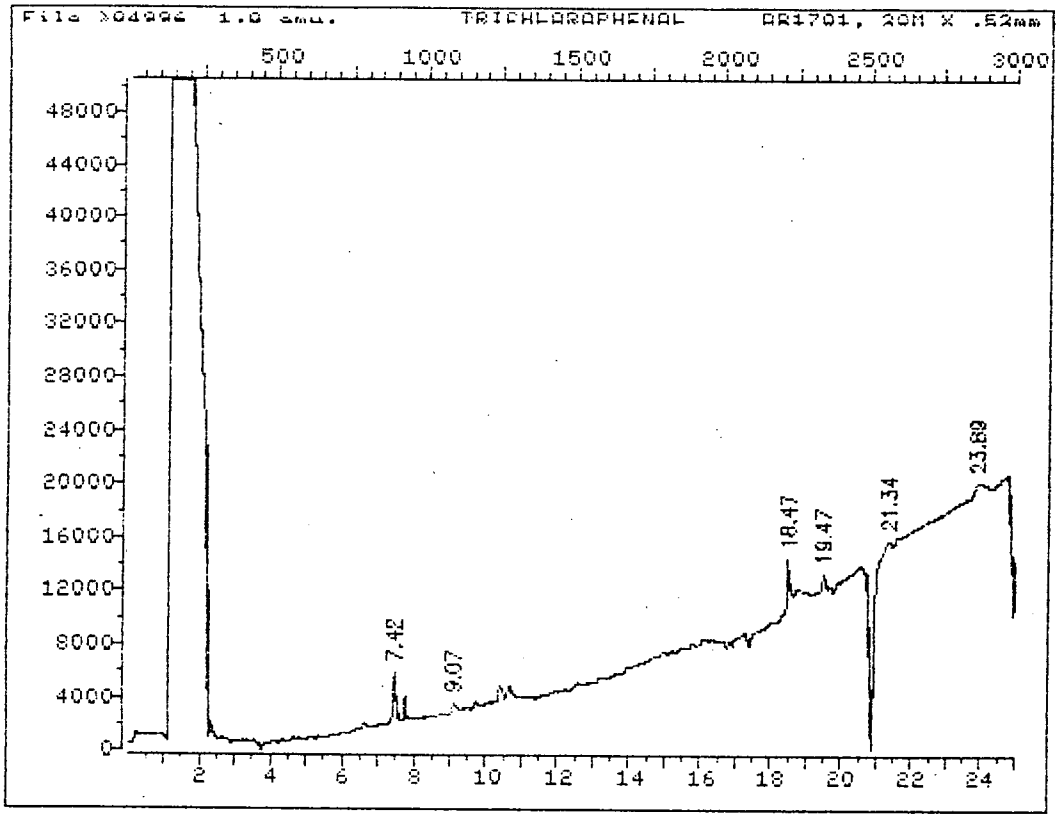
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960613 08:51
Output File: ^04996::GQ Injected at: 960612 07:47
Data File: >04996::G5 Dilution Factor: 1.00000
Name: TRICHLOROPHENOL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

ID File: IDCAP4::SC
Title: Capillary Column DB1701
Last Calibration: 950824 10:55 Last Qcal Time: 960611 19:27

Compound	R.T.	Scan#	Area	Conc	Units	q
1) ~~#Tetrachloro m xy~~lene OW	9.07	1089	6926	.181	ng/ml	100
3) ~~#beta-BHC~~ OW	18.47	2216	33861	1.55	ng/ml	100
4) ~~#delta-BHC~~ OW	19.47	2336	7654	.396	ng/ml	100
9) ~~#Endosulfan I~~ OW	21.34	2561	457786	13.58	ng/ml	100
12) ~~#Endrin~~ OW	23.89	2867	7277	.270	ng/ml	100
13) ~~#Endosulfan II~~ OW	26.28	3153	37016	1.17	ng/ml	100
14) ~~#4,4'-DDD~~ OW	26.28	3153	37016	2.03	ng/ml	100
17) ~~#Methoxychlor~~ OW	30.58	3669	101716	9.32	ng/ml	100
24) ~~#Aroclor-1221(1)~~ NP	7.42	891	22352	27.33	ng/ml	100
25) ~~#Aroclor-1232(1)~~ NP	7.42	891	22352	19.43	ng/ml	100
32) ~~#Toxaphene(3)~~ NP	29.39	3527	29370	104.13	ng/ml	100
37) ~~#Aroclor-1016(5)~~ NP	18.47	2216	33861	17.09	ng/ml	100
46) ~~#Aroclor-1242(5)~~ NP	18.47	2216	33861	21.50	ng/ml	100
48) ~~#Aroclor-1248(3)~~ NP	18.47	2216	33861	15.02	ng/ml	100
50) ~~#Aroclor 1248~~(5) NP	21.34	2561	457786	514.26	ng/ml	100

Compound uses ESTD

MM 7/26/96



Data File: >04996::G5 Quant Output File: ^04996::GQ
Name: TRICHLOROPHENOL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP4::SC
Title: Capillary Column DB1701
Last Calibration: 950824 10:55 Last Qcal Time: 960611 19:27

Operator ID: TRFIL
Quant Time : 960613 08:51
Injected at: 960612 07:47

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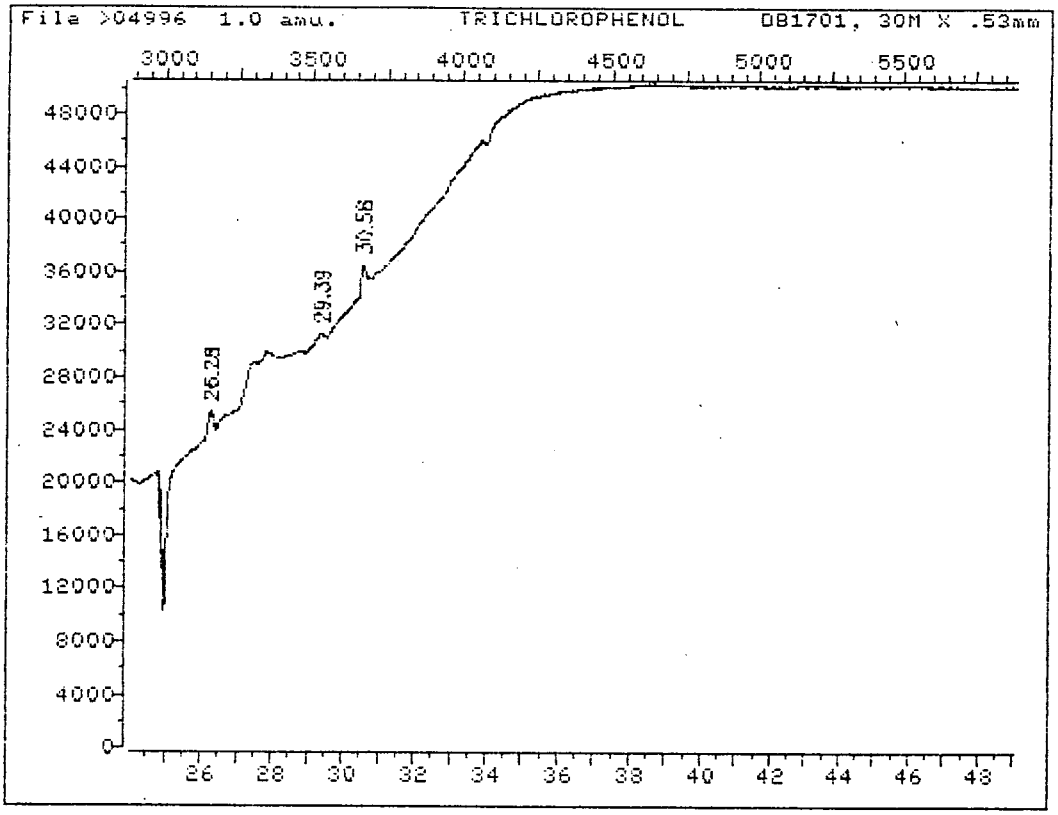

Data File: >04996::G5 Quant Output File: ^04996::GQ
Name: TRICHLOROPHENOL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP4::SC
Title: Capillary Column DB1701
Last Calibration: 950824 10:55 Last Qcal Time: 960611 19:27

Operator ID: TRFIL
Quant Time : 960613 08:51
Injected at: 960612 07:47

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Industrial Corrosion Management
Sample Preparation Log

Description: /P SOIL CLP

Batch #: QC6331

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q 6331 B	30.3			7/3/96	TW		TW			
	238535 S	30.4									
	238535 SD	30.2									
1	238535	30.5	N								
2	238537	30.2									
3	238538	30.5									
4	238539	30.3									
5	238540	30.6									
6	238541	30.5									
7	238542	30.2									
8	238545	30.0									
9	238546	30.0									
10	238547	30.1									
11	238548	30.4									
12	238549	30.0									
13	238550	30.4									
14	238551	30.1									
15	238552	30.5									
16	238553	30.2									
17	238554	30.0									
18	238555	30.2									
19	238556	30.1									
20	238557	30.4									

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	2.0ml	DBC@ 0.2ppm / TMX@ 0.2ppm	1-E-96-2
SPIKE	1.0ml	LHA@ 0.5 / DEDDT@ 1.0	1-E-90-3
SPIKE DUP.	↓	↓	↓

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
[signature]	E Price	[signature]	7/6/96	14:20	G.C. analysis

Matrix: Soil Water Sludge Waste Dilution Other _____
(Circle one)

Extraction Method: Seperatory Funnel Liquid/Liquid Sonication Soxhlet Other _____
(Circle one)

CLEAN UP: Acid; YES NO (circle one) Sulfer; YES NO (circle one)

SDG #_____ VTSR_____

Form filename: PREPLOG.EXT

Industrial Corrosion Management
Sample Preparation Log

Description: 1P Soil CLP

Batch #: QC6332

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q 6332 B	30.4			7/3/96		7/8/96				
	238536 S	30.3									
	238536 SD	30.6									
1	238536	30.5									
2	238558	30.6									
3	238559	30.7									
4	238560	30.5									
5	238561	30.7									
6	238562	30.5									
7	238909	~~30.4~~									MOVED TO BATCH QC6343
8	238910	30.6									
9	238911	30.6									
10	238912	30.5									
11	238915	30.5									
12	238916	30.6									
13	238917	30.4									
14	238918	30.7									
15	238920	30.5									
16	238921	30.4									
17	238922	30.4									
18	238923	30.5									
19	238924	30.4									
20	238925	30.3									

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	2.0 ml	DBCB 0.2 / TCMX 0.2	1-E-96-2
SPIKE	1.0 ml	LHA 0.5 / DEDDT 1.0	1-E-90-3
SPIKE DUP.			

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
[illegible]	[illegible]	[illegible]	7/13/96	9:15	G-C analysis

Matrix: Soil Water Sludge Waste Dilution Other _____
(Circle one)

Extraction Method: Seperatory Funnel Liquid/Liquid Sonication Soxhlet Other _____
(Circle one)

CLEAN UP: Acid; YES NO (circle one) Sulfer; YES NO (circle one)

SDG #_____ VTSR_____

Form filename: PREPLOG.EXT

Industrial Corrosion Management
Sample Preparation Log

Description: /P H2O CLP

Batch #: QCL334

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q 6334 B	1000 ml		17 ml	7/3/96	[illegible]	7/4/96	[illegible]			
	238543 S	↓		↓	↓	↓	↓	↓			
	238543 SD	↓		↓	↓	↓	↓	↓			
1	238543	↓	N	↓	↓	↓	↓	↓			
2	238930	↓	↓	↓	↓	↓	↓	↓			
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	1.0 ml	DBCE 0.2 / TCMX 0.2	1-E-96-2
SPIKE	↓	LHA @ 0.5 / HEDDT @ 1.0 ml	1-E-90-3
SPIKE DUP.	↓	↓	↓

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
[signature]	E. Pucci	[signature]	7/6/96	1000	GC analysis

Matrix: Soil Water Sludge Waste Dilution Other _____
(Circle one)

Extraction Method: Seperatory Funnel Liquid/Liquid Sonication Soxhlet Other _____
(Circle one)

CLEAN UP: Acid; YES NO (circle one) Sulfer; YES NO (circle one)

SDG # _____ VTSR _____

Form filename: PREPLOG.EXT

Cl	Sample	Date	Soil	Water	pH	Cl
	238040	6/26/96	X		3.76	
	238041				3.66	
	238042				3.62	
	238043				3.41	
	238044				3.58	
	238045				3.48	
	238046				3.32	
	238047				3.59	
	238048				3.42	
	238049				3.50	
	238050				3.42	
	238051				3.39	
	238052				3.42	
	238053				3.50	
	238843	7/3/96		X	6.88	
	238930				6.66	
	238535	7/5/96	X		7.06	
	536				7.12	
	537				6.89	
	538				7.32	
	539				7.08	
	540				7.14	
	541				6.92	
	542				8.99	
	~~543~~					
	~~544~~				~~8.99~~	
	545				7.82	
	546				7.77	

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[redacted]

[illegible] = Paul Bruyand

SAMPLE	DATE	SOIL	H_2O	pH	Cl	SAMPLE
238547	7/6/96	X		8.22	–	238922
548	↓	↓		7.93	–	923
549				8.01	–	924
550				7.44	–	925
551				7.36	–	92
552				7.28	–	92
553				7.87	–	928
554				7.81	–	93
555				7.43	–	932
556				7.55	–	
557				7.28	–	
558				7.70	–	
559				7.24	–	
560				7.86	–	
561				7.89	–	
562				7.40	–	
238909				7.82	–	
910				6.98	–	
911				7.84	–	
912				7.72	–	
913				8.02	–	
914				7.89	–	
915				7.55	–	
916				8.00	–	
917				7.98	–	
918				7.79	–	
919				7.84	–	
920				8.12	–	
921	↓	↓		8.08	–	

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[illegible] Paul Bruyand

DATE	SAMPLE	TIN	W1	W2	W3	%M
4-96	238541	45	1.32	13.12	12.24	7.46
	238540	46	1.31	13.15	12.09	8.95
	238539	47	1.31	13.62	12.93	5.61
	238538	48	1.32	12.43	11.18	11.25
	238537	49	1.31	11.34	10.50	8.37
	238536	50	1.31	11.50	10.67	8.15
	238536-D	51	1.31	11.60	10.80	7.77
	238535	52	1.32	11.68	11.53	1.45
	238535 D	53	1.33	11.76	11.60	1.53
5-96	BLK	1	1.30	—	1.30	0
	238371	2	1.28	11.93	8.83	29.11
	D-238371	3	1.28	11.93	8.80	29.39

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%M	DATE	SAMPLE	TIN	W1	W2	W3	%M
0	7496	238911	23	1.31	12.05	11.70	3.26
8.80		238910	24	1.30	12.21	11.83	3.48
3.09		238909	25	1.30	12.31	11.81	4.54
7.34		238562	26	1.32	14.49	9.79	16.72
4.53		238561	27	1.33	11.30	10.61	6.92
23.37		238560	28	1.31	11.65	10.56	10.54
4.10		238559	29	1.30	12.07	11.59	4.46
7.51		238558	30	1.30	12.53	5.47	62.87
3.29		238557	31	1.31	11.42	5.67	56.87
12.55		238556	32	1.32	13.72	12.31	11.37
2.95		238555	33	1.31	11.83	10.34	14.16
10.36		238554	34	1.33	11.49	10.30	11.71
10.23		238553	35	1.33	11.55	10.47	10.57
9.65		238552	36	1.30	13.03	10.68	20.03
8.46		238551	37	1.30	11.43	9.15	22.51
11.24		238550	38	1.30	12.09	9.54	23.63
3.40		238549	39	1.33	11.32	9.86	14.61
9.71		238548	40	1.30	11.34	8.88	24.50
9.49		238547	41	1.30	13.25	11.70	12.97
3.47		238546	42	1.30	12.71	9.92	24.45
3.44		238545	43	1.30	11.80	10.63	11.14
9.66		238542	44	1.30	12.38	11.40	8.84

GEL PERMEATION CHROMATOGRAPHY LOG

PAGE _____

FROM: DATE 07 / 02 / 96 TIME 09:15 TO: DATE 7 / 9 / 96 TIME 09:15

ANALYST(S): [illegible] SUPERVISOR: [illegible] DATE 7 / 11 / 96

COLUMN CALIBRATION DATE 7 / 2 / 96 CHECK STD ID 1-E-94-2

PROGRAM #	1	2	3
LOAD TIME (SEC)	8.5		8.5
DUMP TIME (MIN)	60.00		34:75
COLLECT TIME (MIN)	0:00		19:00
WASH TIME (MIN)	0:00		16:00

CALIBRATION CHECK

	LAST	NEW	%D
ml/10 min	48	48	
PSI	6.0	6.0	
CORN OIL-RT	23.0	23.3	1.28
B-2EHP-RT	32.0	32.0	0
MC-RT	37.8	37.8	0
PERYL-RT	50.2	50.1	.20
SULFR-RT	57.0	57.3	.52

SAMPLE #	ml	BNA OR P/P	PORT #	PRGRM #
GPC CAL STD	—	P/P	1	1
GPC BLK	95	P/P	2	3
PEST CHK	↓	↓	3	↓
PCB CHK	↓	↓	4	↓
BLK(6331)	94	P/P	2	3
238535	↓	↓	3	↓
238537	↓	↓	4	↓
238538	↓	↓	5	↓
238539	↓	↓	6	↓
238540	↓	↓	7	↓
238541	↓	↓	8	↓
238542	↓	↓	9	↓

SAMPLE #	ml	BNA OR P/P	PORT #	PRGRM #
238545	94	P/P	10	3
238546	↓	↓	11	↓
238547	↓	↓	12	↓
238548	↓	↓	13	↓
238549	↓	↓	14	↓
238550	↓	↓	15	↓
238551	↓	↓	16	↓
238552	↓	↓	17	↓
238553	↓	↓	18	↓
238554	↓	↓	19	↓
238555	↓	↓	20	↓
238556	↓	↓	21	↓

COMMENTS/REMARKS: AutoPrep 1002B

C M

GEL PERMEATION CHROMATOGRAPHY LOG

PAGE _____

FROM: DATE 07 / 02 / 96 TIME 09 : 15 TO: DATE 7 / 9 / 96 TIME 09 : 15

ANALYST(S): [illegible] SUPERVISOR: [illegible] DATE 7 / 11 / 96

COLUMN CALIBRATION DATE ___ / ___ / ___ CHECK STD ID 1-E-94-2

PROGRAM #	1	2	3
LOAD TIME (SEC)	8.5		8:5
DUMP TIME (MIN)	6:00		34:75
COLLECT TIME (MIN)	0		19:00
WASH TIME (MIN)	0		16:00

CALIBRATION CHECK

	LAST	NEW	%D
ml/10 min	48	48	
PSI	6.0	6.0	
CORN OIL-RT	23.0	23.3	1.28
B-2EHP-RT	32.0	32.0	0
MC-RT	37.8	37.8	0
PERYL-RT	50.2	50.1	.20
SULFR-RT	57.0	57.3	.52

SAMPLE #	ml	BNA OR P/P	PORT #	PRGRM #
238557	94	P/P	22	3
Spk 6331 (238535)	↓	↓	23	↓

SAMPLE #	ml	BNA OR P/P	PORT #	PRGRM #

COMMENTS/REMARKS: Autoprep 1002B

C M

GEL PERMEATION CHROMATOGRAPHY LOG

PAGE _____

FROM: DATE 07 / 02 / 96 TIME 09 : 15 TO: DATE ___ / ___ / ___ TIME ___ : ___

ANALYST(S): Paul Brunyard SUPERVISOR: [illegible] DATE 7 / 11 / 96

COLUMN CALIBRATION DATE ___ / ___ / ___ CHECK STD ID _____

PROGRAM #	1	2	3
LOAD TIME (SEC)	8.5		8.5
DUMP TIME (MIN)	60:00		34:25
COLLECT TIME (MIN)	0		19:00
WASH TIME (MIN)	0		16:00

CALIBRATION CHECK

*	LAST	NEW	%D
ml/10 min			
PSI			
CORN OIL-RT			
B-2EHP-RT			
MC-RT			
PERYL-RT			
SULFR-RT			

SAMPLE #	ml	BNA OR P/P	PORT #	PRGRM #
Blk(6352)	94	P/P	2	3
238536			3	
238558			4	
238559			5	
238560			6	
238561			7	
238562			8	
238909			9	
238910			10	
238911			11	
238912			12	
238915			13	

SAMPLE #	ml	BNA OR P/P	PORT #	PRGRM #
238916	94	P/P	14	3
238917			15	
238918			16	
238920			17	
238921			18	
238922			19	
238923			20	
238924			21	
238925			22	
Dup(6331 238535)			23	

COMMENTS/REMARKS: AUTOPREP 1002B

* SEE PAGE 1001 FOR CAL CHK

Industrial Corrosion Management
GC Instrument Log

Chronicle # ____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E. Pari Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1 04		Channel A Surr. 2		Channel B Surr. 1 03		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
RESC01	7/1/96	13:49	38.72		9.32		41.69		9.08		87
PEM01		14:46	38.70		9.32		41.68		9.08		88
AR16601		15:43	38.72		9.32		41.68		9.08		89
AR12201		16:40	38.71		9.32		41.68		9.08		90
AR12320 1		17:36	38.71		9.32		41.68		9.08		91
AR12420 1		18:33	38.70		9.31		41.68		9.08		92
AR12480 1		19:30	38.71		9.31		41.68		9.08		93
AR12540 1		20:27	38.71		9.31		41.67		9.08		94
TOXAPH01		21:23	38.71		9.31		41.68		9.07		95
INDAL01		22:20	38.71		9.31		41.68		9.07		96
INDBL01		23:16	38.72		9.31		41.68		9.07		97
INDAM01	7/2/96	00:13	38.71		9.31		41.68		9.08		98
INDBM01		01:09	38.72		9.32		41.68		9.08		99
INDAH01		02:06	38.71		9.32		41.68		9.08		100
INDBH01		03:03	38.71		9.32		41.68		9.08		101
PB3LK01		04:00	38.73		9.32		41.70		9.08		102
PEM02		04:57	38.73		9.32		41.67				103
GPC Bch		05:54	—		—		—		—		104
GPC Pest		06:51	—		—		—		—		105
GPC PCB		07:48	—		—		—		—		106
PBLK23		08:45	38.72		9.32		41.68		9.08		107

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.G

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Pari Supervisor: JM GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238248	7/2/96	09:42	9.32		38.70		41.67		9.08		108
238250		10:39	9.31		38.70		41.67		9.08		109
238252		11:36	9.31		38.68		41.65		9.07		110
238255		12:33	9.30		38.68		41.65		9.07		111
238257		13:30	9.30		38.69		41.66		9.07		112
PIBLK02		14:27	9.31		38.71		41.66		9.07		113
INDAM02		15:24	9.31		38.69		41.66		9.07		114
INDAM02		16:21	9.31		38.71		41.67		9.07		115
238259		17:18	9.31		38.69		41.66		9.07		116
238260		18:15	9.31		38.68		41.65		9.07		117
238261		19:12	38.70		9.31		41.67		9.07		118
238262		20:09	38.68		9.31		41.66		9.07		119
238263		21:06	38.67		9.31		41.65		9.07		120
6323MS		22:03	38.68		9.30		41.66		9.07		121
6323MSD		23:00	38.68		9.30		41.66		9.07		122
PBLK22		23:56	38.70		9.30		41.67		9.07		123
~~238358~~											~~124~~
~~238361~~											
~~238364~~											
~~238367~~											
~~238368~~											

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____ 7/17/90

Sequence: _____

Analyst: E Price Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
~~238371~~											
~~6322MS~~	not run										
~~6322MSD~~											
~~PIBLK~~	7/3/96	00:53									
PIBLK03		01:50	38.72		9.31		41.68		9.08		1254
PEM03		02:47	38.72		9.31		41.68		9.08		1265
~~328~~ 238358		03:43	38.69		9.31		41.68		9.08		1276
238361		04:40	38.71		9.31		41.68		9.08		1287
238364		05:37	38.71		9.31		41.68		9.08		1298
238367		06:34	38.71		9.32		41.68		9.08		1329
238368		07:31	38.70		9.32		41.68		9.08		1310
238371		08:29	38.72		9.32		41.68		9.08		1321
6322MS		09:25	38.71		9.32		41.68		9.08		1332
6322MSD		10:22	38.70		9.32		41.68		9.08		1343
PIBLK04		13:03	38.73		9.32		41.69		9.08		1354
INDAM03		13:59	38.72		9.32		41.69		9.07		1365
INDBM03		14:56	38.73		9.32		41.70		9.08		1376
GPCBLK		15:52	—		~~9.24~~ 7/17/96		—		—		137
GPC Pest		16:48	—				—		—		138
GPC PCB		17:44	—		—		—		—		139
~~328~~ 238250/10		18:40	38.72		9.32		41.68		9.08		140

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Ruci Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1 04		Channel A Surr. 2		Channel B Surr. 1 03		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238255/2	7/3/96	19:36	38.71		9.32		41.68		9.08		141
238257/10		20:32	38.73		9.32		41.68		9.08		142
238263/2		21:28	38.69		9.32		41.68		9.08		143
238263/20		22:24	38.70		9.31		41.64		9.08		144
238259RE		23:20	38.70		9.31		41.68		9.08		145
PIBLK05	7/4/96	00:16	38.73		9.31		41.69		9.08		146
PEM04		01:12	38.69		9.31		41.69		9.08		147
PIBLK06	7/6/96	11:41	38.69		9.31		41.66		9.07		148
PEM05		12:38	38.70		9.31		41.67		9.07		149
PBLK34		13:35	38.70		9.31		41.66		9.07		150
238543		14:32	38.69		9.31		41.66		9.07		151
238543MS		15:29	38.70		9.31		41.66		9.07		152
238543MSD		16:26	38.69		9.30		41.66		9.07		153
238930		17:23	38.69		9.31		41.66		9.07		154 1254
Blank 930MS		18:20	38.70		9.30		41.66		9.07		155
Blank 930MSP		19:17	38.69		9.30		41.66		9.07		156
PBLK31		20:14	38.68		9.30		41.64		9.07		157
PIBLK07		21:11	38.72		9.31		41.66		9.07		158
INDAM04		22:08	38.70		9.31		41.66		9.07		159
INDBM04		23:05	38.72		9.31		41.68		9.07		160
238535	7/7/96	00:02	38.67		9.31		41.64		9.07		161 1254/10 x 2

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: [signature] Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238537	7/7/96	00:59	38.68		9.30		41.76		9:07		162 50X
238538		01:55	38.68		9:30		41.66		9.07		163 50X
238539		02:52	38.69		9.29		41.65		9.07		164 50+10X
238540		03:48	38.68		9.30		41.65		9.07		165 1254 OK
238541		04:45	38.68		9.30		41.65		9.07		166 30X
PIBLK~~09~~08		05:41	38.69		9.30		41.66		9.07		167
PIBLK~~10~~09		06:38	38.70		9.30		41.67		9.07		168
PIBLK10		07:35	38.70		9.30		41.67		9.07		169 OK
PEM06		08:32	38.70		9.30		41.67		9.07		170 OK
~~238542~~		~~09:29~~	~~38.69~~		~~9.31~~		~~41.65~~		~~9.07~~		~~171~~ 50X
238545		10:26	38.68		9.31		41.58		9.08		172 1000X
238546		11:23									173 2000X
238547		12:20									174 5000X
238548		13:17									175 5000X
238549		14:14									176 5000X
238550		15:11									177 5000X
PIBLK11											178
PIBLK12											179
PIBLK13		18:02	38.70		9.30		41.67		9.07		180
PIBLK14											1842 NG
INDAM05											1823

can't use #182 failed

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Pui Supervisor: [illegible] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
INDBM05											184 ~~200x~~
238551											185 200x
238552											186 (5) 10x
238553											187 200
238554											188 5x
238555											189 100
238556											190 10x
238557											191 10x
PIBLK15											192
PIBLK16											193
PEM07											194
PIBLK											195
PEM08											196
PIBLK11	7/9/96 ~~7/8/96~~	13:12 ~~13:54~~	38.732		9.32		41.68		9.09		198 215 OK ☆
PEM07	"	14:09 ~~13:58~~	38.723		9.31		41.68		9.09		199 216 OK
AR125402	7/9/96 ~~7/10/96~~	15:08 ~~14:58~~	38.72		9.30		41.68		9.08		200 217
238535/10		16.52	38.69		9.30		41.66		9.09		201 218
238536/~~50~~ 100	"	16.45	38.69		9.30		41.63		9.08		202 219
238538/~~50~~ 200	"	17:37	38.69		9.30		41.64		9.08		203 220
238539/10		18:29	38.69		9.30		41.68		9.09		204 221 ☆

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve
*** Part of Calibration Curve

☆ Power failure - restart PIBLK11 7/9 AM

Date Acquired: _____ to _____
Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: EPuri Supervisor: [illegible] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238541/30	7/9/96	19:21	38.68		9.30		41.63		9.08		205 222
238542/50		20:13	38.69		9.30		41.67		9.08		206 223
238545/~~2000~~ 2000 EP		21:05	38.70		D		41.67		D		207 224
238546/~~2000~~ 5000 EP		21:56	D		D		D		D		208 225
PIBLK12		22:48	38.70		9.30		41.67		9.09		209 226
INDA3m05		23:40	38.69		9.30		41.68		9.09		210 227
INDB3m05	7/10/96	00:31	38.70		9.31		41.68		9.09		211 228
238547/5000		01:23	D		D		D		D		212 229
238548/5000		02:14	D		D		D		D		213 230
238549/5000		03:06	D		D		D		D		214 231
238550/5000		03:58	38.70		D		D		D		215 232
238551/200		04:50	38.69		9.31		D		9.09		216 233
238552/5		05:41	38.70		9.31		41.67		9.09		217 234
238553/200		06:34	38.71		9.32		41.65		9.08		218 235
238554/5		07:26	38.70		9.31		41.66		9.08		219 236
PIBLK13		08:19	38.72		9.31		41.68		9.08		220 237
RCM08		09:11	38.71		9.30		41.68		9.09		221 238
238555/100		10:03	D		9.31		D		9.08		222 239
238556/10		10:55	38.68		~~9.32~~ 9.09 EP		41.64		9.08		223 240
238557/10		11:47	38.68		9.30		41.62		9.08		224 241
AR125403		Injection error + not run									225

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other _____
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Pui Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238546/10,000	7/11/96	16:21	38.72?		D		41.65?		D		242
238535/20		17:13	38.66		9.29		41.62		9.07		243
238547/10,000		18:04	~~38.67~~		~~D~~		41.65?		D		244
PIBLK14		18:56	38.67		9.28		41.62		9.07		245
INDAM06		19:48	38.66		9.28		41.61		9.07		246
INDBM06		20:40	38.66		9.28		41.62		9.07		247
238549/10,000		21:32	38.71?		D		41.63?		D		248
238552/10		22:23	38.68		9.31		41.62		9.06		249
238555/200		23:15	38.66		9.30		D		9.07		250
238535/2	7/11/96	00:07	38.66		9.30		41.63		9.08		251
238537/10		00:58	38.64		9.29		41.73		9.07		253 named
238538/20		01:50	38.65		9.29		41.58 didn't transmit		~~9.08~~	EP 7/12/96	253
238541/3		02:42	38.63		9.28		41.58		9.08		254
~~238~~ PIBLK15		03:34	38.67		9.28		didn't transmit			EP 7/12/96	255
PIBLK16		04:25	38.66		9.28		41.62		9.07		256
PEM09		05:17	38.66		9.28		41.62		9.07		257/255
											258

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Price Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A 61 Surr. 1		Channel A 27 Surr. 2		Channel B 68 Surr. 1		Channel B 03 Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
PIBLK 17	7/11/96	20:23	38.67		9.28		41.62		9.07	2	4264/~~3262~~
PEM 10		21:14	38.66		9.28		41.62		9.07	2	65/~~63~~
238538/20		22:06	38.63		9.29		41.60		9.07	2	66/~~64~~
238547/1000		22:57	D		D		deduct transmit EP			2	67
238542/5		23:49	38.64		9.28		41.60		9.07	2	68/~~65~~
238545/200	7/12/96	00:40	38.65		9.28		41.60		9.07	2	69/~~66~~
238546/1000		01:32	38.66		D		41.63		9.07	2	70
238547/1000		02:23	38.67?		D		41.63		9.06	2	71
238548/500		03:15	38.67?		D		41.63?		9.06?	2	72
238549/1000		04:06	38.67?		9.26?		41.63?		9.06?	2	73
PIBLK 18		04:58	38.67		9.29					2	74
~~PIBLK~~											75 omitted from tray
INDAM07		05:49	38.68		9.29		41.63		9.08	2	765
INDBM07		06:41	38.68		9.29				9.08	2	776
238550/500		07:33	38.68		9.27		41.63 ~~D~~ EP		9.08	2	787
238553/20		08:24	D		9.30		D		9.08?	2	798
238551/20		09:16	D		9.30		D		9.08	Bottle 2	~~80~~ 79
238555/20		10:08	D		9.30		D		9.08	2	80
238535 MS/2		11:00	38.65		9.30		I		9.08	77 2	821
238535 MSD/2		12:03	38.64		9.31		41.59		9.07	78 2	832
PIBLK 19		12:57	38.66		9.29		41.63		9.07	79 2	843

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Pui Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif Batt	
238547/10,000		13:51	D		D		D		D	802	884
~~AR1254~~	~~EP~~	~~14:46~~	~~38.67~~		~~9.29~~		~~41.63~~		~~9.07~~	~~2865~~	~~[illegible]~~
PIBLK20	2/13/94	15:55	38.66		9.30		41.61		9.07	822	876 CP
PEM11		16:49	38.66		9.29		41.62		9.07		2887
~~AR1254~~	~~03~~	~~17:43~~	~~38.66~~		~~9.29~~		~~41.62~~		~~9.07~~		~~2898~~
PIBLK21		18:36	38.66		9.29		41.62		9.07		289
IND AM08											290
INDBM08		didn't need since AR1254 ran									291
INDAM09			EP 7/13/94							run #284	292

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Prui Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
RES01	7/13/96	14:40	38.70		9.31		41.65		9.07		296
PEM01		15:35	38.69		9.31		41.66		9.07		97
AR1660		16:30	38.70		9.31		41.65		9.07		98
AR1221		17:26	38.70		9.31		41.66		9.07		99
AR1232		18:21	38.71		9.31		41.66		9.07		300
AR1242		19:16	38.71		9.31		41.65		9.08		01
AR1248		20:11	38.70		9.31		41.66		9.07		02
AR1254		21:06	38.71		9.31		41.66		9.07		03
TOXAPH		22:00	38.70		9.31		41.66		9.08		04
INDAL01		22:55	38.71		9.31		41.66		9.07		05
INDBL01		23:50	38.71		9.31		41.66		9.08		06
INDAM01	7/14/96	00:44	38.71		9.31		41.66		9.08		07
INDBM01		01:39	38.71		9.31		41.66		9.08		08
INDAH01		02:33	38.70		9.31		41.65		9.07		09
INDBH01		03:28	38.69		9.31		41.65		9.07		10
PIBLK01		04:22			9.31		41.66		9.08		11
PEM02		05:17					41.66		9.08		12
PBLK32		06:11	38.69		9.31		41.65		9.07		13
238922/10,000	7/14/96	07:06	D		D		41.66		9.06		14 222 mw.50
238924/10,000		08:01	D		D		D		D		15
238925/1000		08:56	D		D		D		9.07		16

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other _____
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____

Matrix: Soil Water Sludge Oil Other _____

Channel B ID: DB608 _____

Dates of Analyses: _____ to _____

UL INJ.__

Sequence: _____

Analyst: E Pui Supervisor: [illegible] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238561/1000	7/14/96	09:51	D		D		41.67		9.07		317
238921/2000		10:45	D		D		D		9.07		18
238920		11:40	38.68		9.32				9.07		19
238916/200		12:52	38.71		9.32		41.59		9.08		20
238917/200		13:47	38.75		9.32		41.73		9.07		21
238910/200		14:42	38.70		9.31		D		9.07		22
PIBLK02		15:36	38.72		9.31		41.67		9.07		23
INDAM02		16:31	38.69		9.31		41.65		9.07		24
INDBM02		17:26	38.69		9.31		41.64		9.07		25
238909/200		18:20	38.69		9.30		41.62		9.07		326
238911/100		19:15	38.67		9.30		41.64		9.07		327
238915/50		20:09	38.66		9.30		41.61		9.07		328
238536/100		21:03	38.68		9.30		41.62		9.07		329
238558/100		21:58	38.68		9.30		41.64		9.07		330
238923/50		22:52	38.68		9.30		41.64		9.07		331
238559/30		23:47	38.66		9.31		41.60		9.07		332
238562/3	7/15/96	00:43	38.67		9.32		41		9.06		333
238918/10		01:37	38.66		9.30		41.62		9.07		334
PIBLK03		02:32	38.70		9.30		41.64		9.07		335
PEM03		03:26	38.70		9.30		41.64		9.07		336
~~238920/30~~											~~not run~~

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for, TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to 7/14/96
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Prui Supervisor: [illegible] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238912/10	7/15/96	04:21	38.67		9.32		41.62		9.07		337
238566/10		05:16	38.65		9.32		D		9.06		338
238922/50,000		06:11	D		D		D		D		339
238923/5,000		07:06	D		D		D		D		340
238924/1000		08:01	D		D		D		9.07		341
238925/200		08:56	38.68		9.30		41.64		9.07		342
238536/10		09:51	38.68		9.31		41.65		9.07		343
238558/10		10:46	38.68		9.31		41.63		9.07		344
PIBLK04		11:41	38.73		9.31		41.66		9.07		345
PIBLK05		12:36	38.73		9.31		41.67		9.07		346
INDAM03		13:31	38.72		9.31		41.66		9.07		347
INDBM03		14:26	38.72		9.31		41.67		9.07		348
238559/3		15:21	38.67		9.32		41.60		9.07		349
238909/20											350
238910/20											351
238911/10		go to next pg.									352
238912/											353
238915/5		The sample put on Data									354
238916/20		in run EP 7/16/96									355
238917/20											356
PIBLK06											357

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Pucci Supervisor: [illegible] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
PIBLK07											358
PEM04											359
238918											360
238921/100											361
238923/5											362
238536MS/10											363
238536MSD/10											364
238562/3											365
238561/100											366
PBLK33	7/15/96	04:16	38.69		9.31		41.65		9.07		350
328913/20		17:12	38.68		9.32		41.62		9.08		351
328914/20		18:07	38.68		9.32		D?		9.07		352
328919/20		19:04	38.68		9.32				9.07		353
328926/100		19:56	38.68		D		41.63		9.06		354 ↑222
328927/100		20:51	38.68		9.31		41.63		9.07		355
328928/100		21:45	38.68		9.31		41.64		9.07		356 ↑222
PIBLK06		22:40	38.73		9.31		41.67		9.07		357
PIBLK07		23:36	38.73		9.32		41.67		9.08		358
PEM04	7/16/96	00:31	38.73		9.32		41.68		9.08		359

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Price Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238931/100	7/16/96	01:26	~~22.23~~ 41.64	7/16	9.32		41.64		9.08		360
238932/100		02:20	D		9.32		D		9.08		361 222
238909/20		03:15	38.69		9.32		41.59		9.08		362
238910/20		04:09	38.69		9.32		D		9.08		363
238911/10		05:04	~~41.65~~ 38.69		~~9.08~~ 9.32		41.65		9.08		364
238912		05:59	38.68		9.31		41.65		9.07		365
238915/5		06:54	38.68		9.31		D		9.08		366
238916/20		07:50	D		9.31		~~D~~ 41.63 ~~no~~	~~608~~	9.07		367
PIBLK 08 (Z)		08:45	38.73		9.31		no	608			368 computer pic data not
PIBLK 09		09:36	38.73		9.32		41.68		9.08		369 transfer not used
~~23893~~ INDAM04		10:31	38.71		9.31		41.67		9.08		370
INDBM04		11:26	38.71		9.31		41.66		9.07		371
238926/10,000		12:21	D		~~9.12~~ D		D		9.06		372
238932		13:16	38.67		9.31		41.63		9.07		373
238928/5000		14:11	38.72		D		D		D	15	374
238913/200		15:06	D		9.31		41.65		9.08	16	375
238918		16:01	38.66		9.30		41.62		9.07		376
238921/200		16:56	D		9.30		D		9.07		377
238923/5		17:51	38.66		9.30		41.61		9.07		378
PIBLK 10		18:47	38.70		9.30		41.63		9.07		379
PIBLK 11		19:42	38.70		9.30		41.64		9.07		380

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other _____

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Price Supervisor: _____ GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
PEM04	7/16/96	20:37	38.69		9.30		41.64		9.07		381
238562/3		21:32									382
238561/100		22:26									383
238536ms/10		23:21									384
238536msp/10	4/17/96	00:16									385
238917/20		01:11									386
238926/1000		02:05									387
238927/10		03:00									388
238931/10		03:54									389
PIBLK											390 no 03
PIBLK											391
INDA2m05											392
INDB2m05											393
M1254											

03 stopped transmitting
dose space full
4/17/96

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Price Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
PTBLK12											
PEM05	7/17/96	07:39	38.68		9.32		41.64		9.07		~~395~~ 393+494
PEM05		08:41	38.68		9.32		41.63		9.07		395
AR125402		09:36	38.71		9.31		41.66		9.07		396
238562/3		10:31	38.67		9.32		41.62		9.06		397
238561/100		11:26	38.66		9.31		D		9.06		398
238536MS/10		12:21	38.67		9.31		41.63		9.07		399
238538MSD/10		13:16	38.65		9.31		41.63		9.07		400
238917/20		14:11	38.66		9.31		41.58		9.07		401
238926/1000		15:06	38.66		D		D		9.05		402
238927/10		16:01	38.65		9.30		41.58		9.07		403
238931/10		16:56	38.65		9.30				9.07		404
PIBLK13		17:52	38.66		9.30		41.61		9.07		405
INDAM05		18:47	38.67		9.30		41.62		9.07		406
INDBM05		19:42	38.68		9.30		41.63		9.07		407
238919/2		20:37			9.30				9.06		408
238914/2		21:32	38.63		9.29				9.06		409
238928/500		22:26	D		9.29		D		9.06		410
238914S/2		23:21	38.64		9.30		41.61		9.06		411
238914SD/2	7/18/96	00:15	38.65		9.29				9.06		412
238913S/20		01:10			9.30				9.07		413
238913SD/20		02:05			9.31				9.07		414

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Price Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
PIBLK 14	7/18/96	02:59	38.70		9.31		41.65		9.07		415
PIBLK 15	7/23/96	03:54	38.70		9.31		41.65		9.07		416
PEM 06		04:48	38.69		9.31		41.65		9.07		417
GPCBLK											418
GPC Pest		09:44	—		—		—		—		419
GPCPCB		10:39	—		—		—		—		420
PIBLK 16		11:34	38.67		9.31		41.63		9.07		421
INDAM 06		12:29	38.68		9.31		41.63		9.07		422
INDBM 06		13:24	38.68		9.30		41.63		9.07		423

Not used @ 7/26/96

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC
QC Limits = +/- for

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

Evaluation of Retention Time Shift for: TCMX DBC Other
(Circle one)

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____ Matrix: Soil Water Sludge Oil Other

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UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Pria Supervisor: [signature] GC Temperature Program: _____

For Pesticide/PCB: Surr. 1 = DBC & Surr. 2 = TCMX For others: Surr. 1 = _____ & Surr. 2 = _____

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
PIBLK	7/22/96	7:33	38.66		9.30		41.61		9.07		424
PIBLK16		8:28	38.66		9.30		41.61		9.07		425
PEM08		9:23	38.66		9.30		41.61		9.07		426
238552		10:46	38.65		9.31		41.60		9.06		427
238556		11:42	38.65		9.30		41.61		9.07		428
238557		12:36	38.64		9.29		41.60		9.06		429
238560		13:31	38.63		9.29		41.59		9.05		430
238554		14:42	38.64		9.29		41.60		9.06		431
ARR ZZZ		15:37	38.66		9.29		41.61		9.07		432
AR125403		16:33	38.66		9.29		41.61		9.07		433
PIBLK17		17:28	38.67		9.29		41.61		9.06		434
INDAM0716		18:23	38.65		9.29		41.61		9.06		435
INDBM0716		19:18	38.66		9.29		41.61		9.06		436
@ 7/26/96											

Min Dif = Minutes Difference
* Value Outside QC Limits
QC Limits = +/- 0.05 for TCMX
QC Limits = +/- 0.10 for DBC

** Verification of Calibration Curve: Date Acquired: _____ to _____
*** Part of Calibration Curve Time Acquired: _____ to _____

Form filename: RTSH8905.GC

GC/MS LAB CHRONICLE
SEMI-VOLATILE ORGANICS

730

DATE:	7/8	SHIFT:		STANDARDS	LOT #
INSTRUMENT #:	4F	MODEL:	5970	DFTPP	9683
ANALYSIS:	625	FUEL OIL	8270	CAL STD	
	CLP	TCLP	OTHER _____	INTERNAL STD	9876
MATRIX:	WATER	SOIL	SLUDGE		
	LEACHATE		OTHER DCB CONF.		
LINE FILE:	MTA004				
SEQUENCE FILES:	GJTF				
METHOD FILES:	BNP4 and DFTPP4			ANALYST:	[signature]
ID FILES:	ABNF			SUPERVISOR:	
CALIBRATION FILES:				BATCH #:	

NAME	DATA FILE	ALS #	DILUTION	SAMPLE DATE	TEST	TIME	COMMENTS
DFTPP050	7F5517	1				1538	PASS 534 ENH 1:1 SUBIT 590
AR1954 10PPM	7F5518	2				1602	OK
PBLK31	7F5519	3				1651	OK
938537	7F5520	4				1740	AR1954 CONF
938538	7F5521	5				1829	AR1954 CONF
938542	7F5522	6				0758	INSTRUMENT ERROR
938545	7F5523	7					
938546	7F5524	8	10X				
938547	7F5525	9	10X				
938548	7F5526	10	10X				
938549	7F5527	11	10X				
938550	7F5528	12	10X				
938551	7F5529	13					
938553	7F5530	14					
938555	7F5531	15					

GC/MS LAB CHRONICLE
SEMI-VOLATILE ORGANICS

731

[illegible]	7/9	SHIFT:		STANDARDS	LOT #
[illegible]MENT #:	4F	MODEL:	5970	DFTPP	9683
[illegible]	625	FUEL OIL	8270	CAL STD	
	CLP	TCLP	OTHER _____	INTERNAL STD	9876
[illegible]	WATER	SOIL	SLUDGE		
	LEACHATE		OTHER PLB CONT		
[illegible] FILE:	MTA004				
[illegible]NCE FILES:	GJTF				
[illegible]OD FILES:	BNP4 and DFTPP4			ANALYST:	Gregory Tomkinson
[illegible]	ABNF	IDPEST		SUPERVISOR:	
[illegible]ATION FILES:				BATCH #:	

NAME	DATA FILE	ALS #	DILUTION	SAMPLE DATE	TEST	TIME	COMMENTS
DFTPP150	7F5523	1				1036	PASS 538 ENH-1:1 SUBT520
~~5570~~ AN1954	7F5524	2				1100	
938542	7F5525	3				1149	AN1954 CONF
938545	7F5526	4				1238	AN1954 CONF.
938546	7F5527	5	10X			1327	AN1954 CONF.
938547	7F5528	6	10X			1417	AN1954 CONF.
938548	7F5529	7	10X			1506	AN1954 CONF
938549	7F5530	8	10X			1555	AN1954 CONF
938550	7F5531	9	10X			1644	AN1954 CONF.
938551	7F5532	10				1733	AN1954 CONF.
938553	7F5533	11				1822	AN1954 CONF.
938555	7F5534	12				1911	AN1954 CONF.