211225

ICM LABORATORIES
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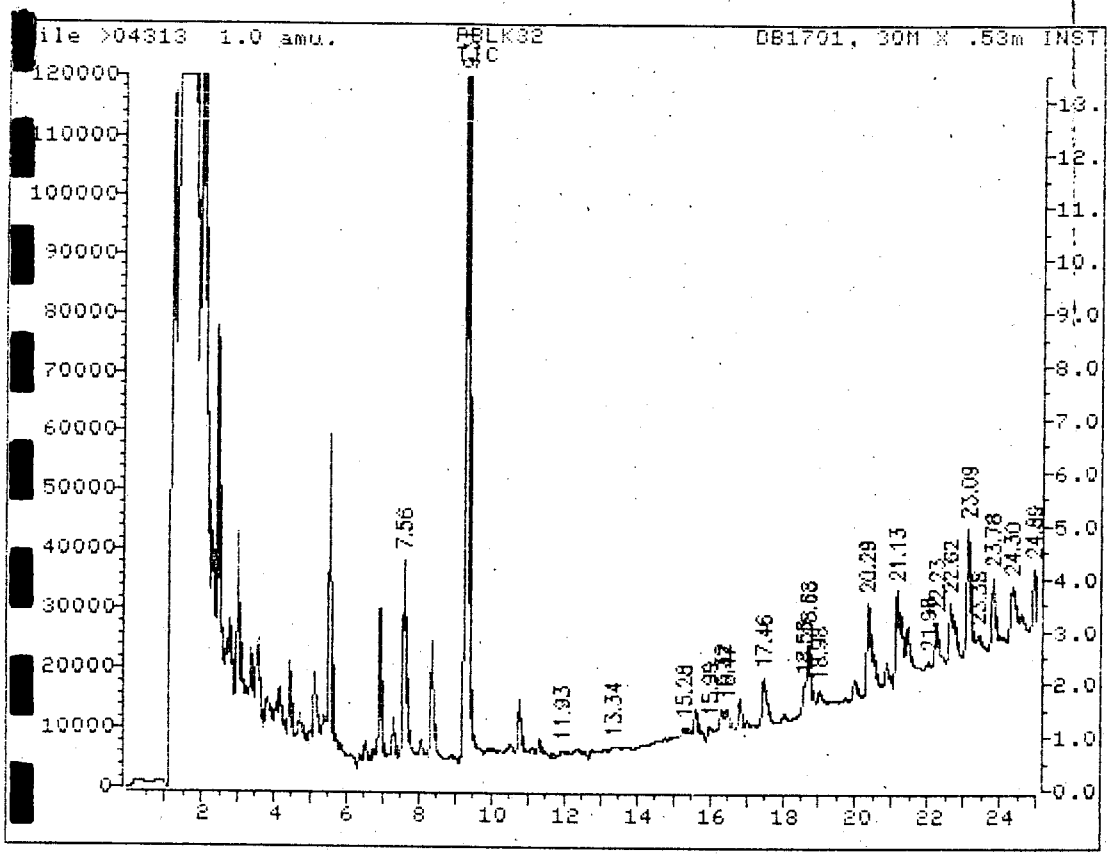
ANALYTICAL DATA REPORT PACKAGE

July 26, 1996

ROY F. WESTON, INC.

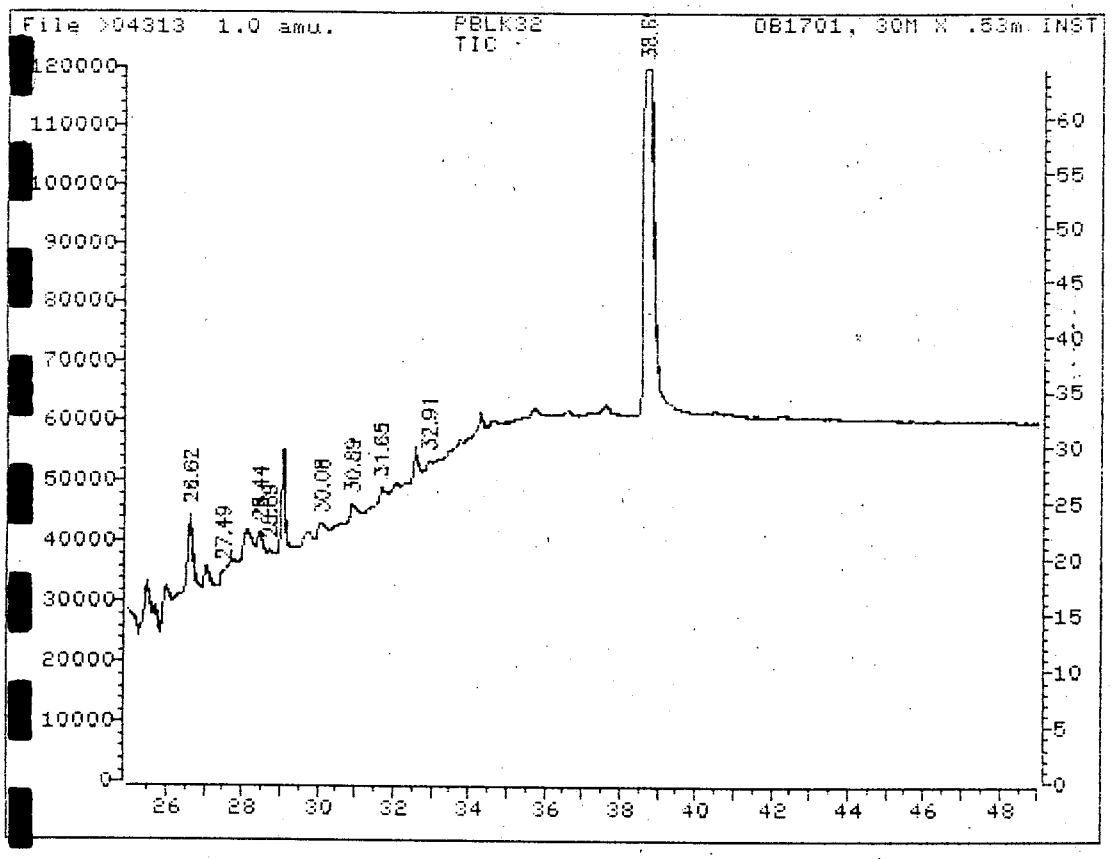
RFP-1416



MS data file header from : >04313::G1

Sample: PBLK32 Operator: TRFI2 7/14/96 6:12
Misc : DB1701, 30M X .53m 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 : >04313::G1

Sample: PBLK32 Operator: TRFI2 7/14/96 6:12
Misc : DB1701, 30M X .53m 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.

PIBLK01

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03102

% 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: 07/02/96

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

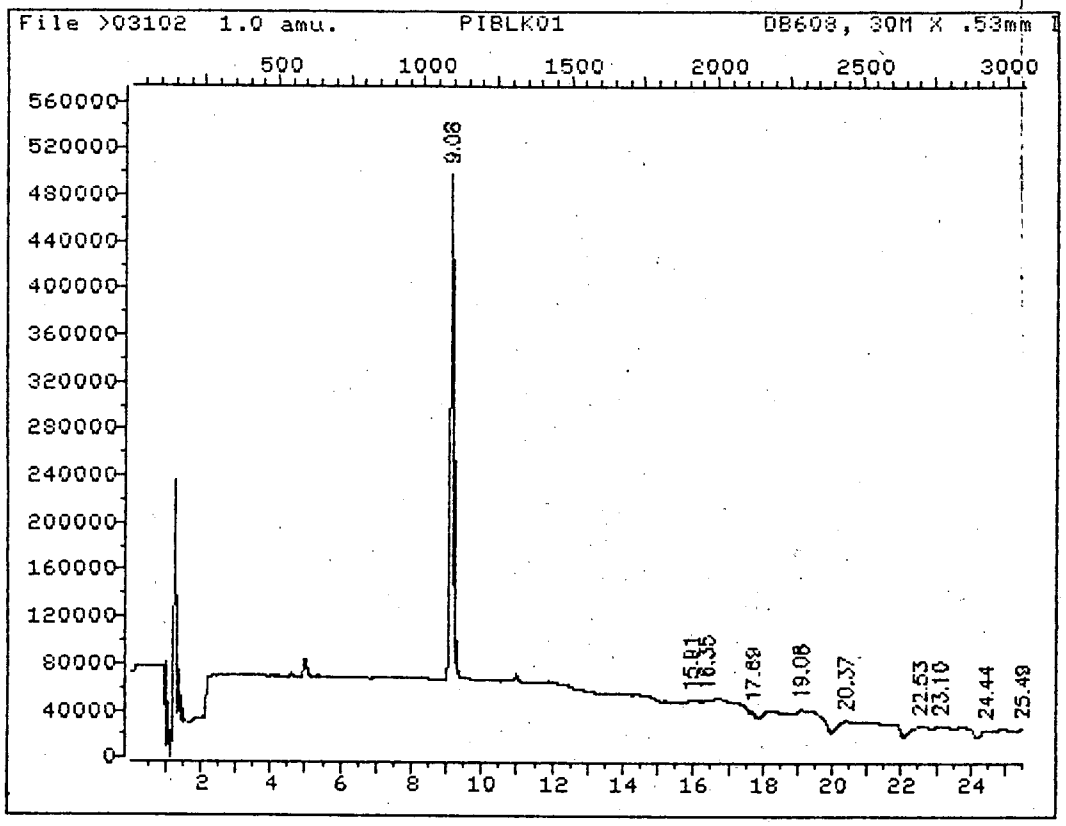
Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960705 17:15
Output File: ^03102::F3
Injected at: 960702 04:00
Data File: >03102::G3
Dilution Factor: 1.00000
Name: PIBLK01
Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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	9.08	1090	2488134	19.88	ng/ml	100
4)	~~#delta-BHC~~ NC	16.35	1962	5185	.0429	ng/ml	100
6)	~~#Heptachlor~~ NC	15.91	1909	9255	.119	ng/ml	100
10)	~~#Dieldrin~~ NC	23.10	2772	8242	.0872	ng/ml	100
14)	~~#4,4' DDD~~ NC	25.49	3058	25873	.449	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.39	3407	317735	3.58	ng/ml	100
17)	~~#Methoxychlor~~ OW	32.35	3882	42740	1.10	ng/ml	100
19)	#Decachlorobiphenyl	41.70	5004	2573733	21.50	ng/ml	100
27)	~~#Aroclor 1248(1)~~ NP	15.91	1909	9255	1.22	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.44	2933	139907	18.05	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.39	3407	317735	127.12	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.91	1909	9255	.838	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.08	2289	14467	4.26	ng/ml	100
41)	~~#Aroclor 1232(3)~~ NP	15.91	1909	9255	1.97	ng/ml	100
44)	~~#Aroclor 1242(3)~~ NP	15.91	1909	9255	1.04	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	19.08	2289	14467	4.84	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.69	2123	30829	11.82	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	19.08	2289	14467	3.48	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.37	2444	153388	31.66	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	22.53	2703	199084	123.47	ng/ml	100
56)	~~#Aroclor 1260(3)~~ NP	26.61	3193	294298	56.38	ng/ml	100

Compound uses ESTD

7/13/96

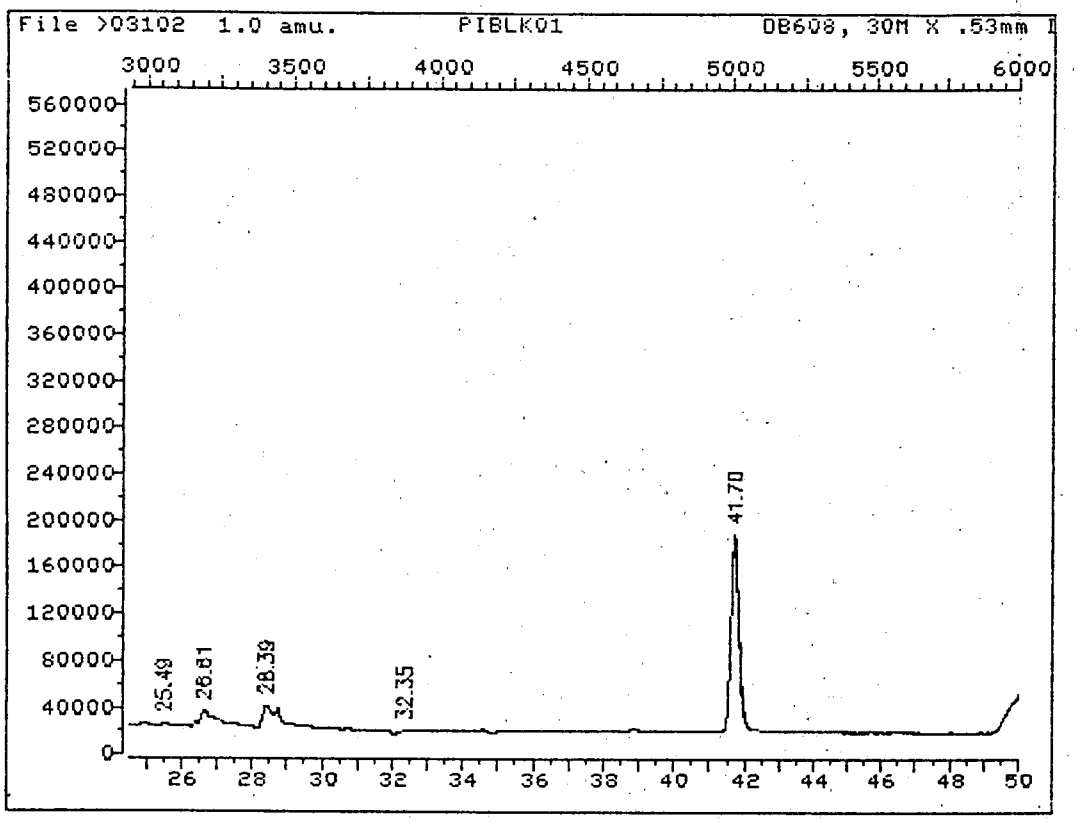


Data File: >03102::G3 Quant Output File: ^03102::F3
Name: PIBLK01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 17:15
Injected at: 960702 04:00

Page 1 of 2



Data File: >03102::G3 Quant Output File: ^03102::F3
Name: PIBLK01 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 17:15
Injected at: 960702 04:00

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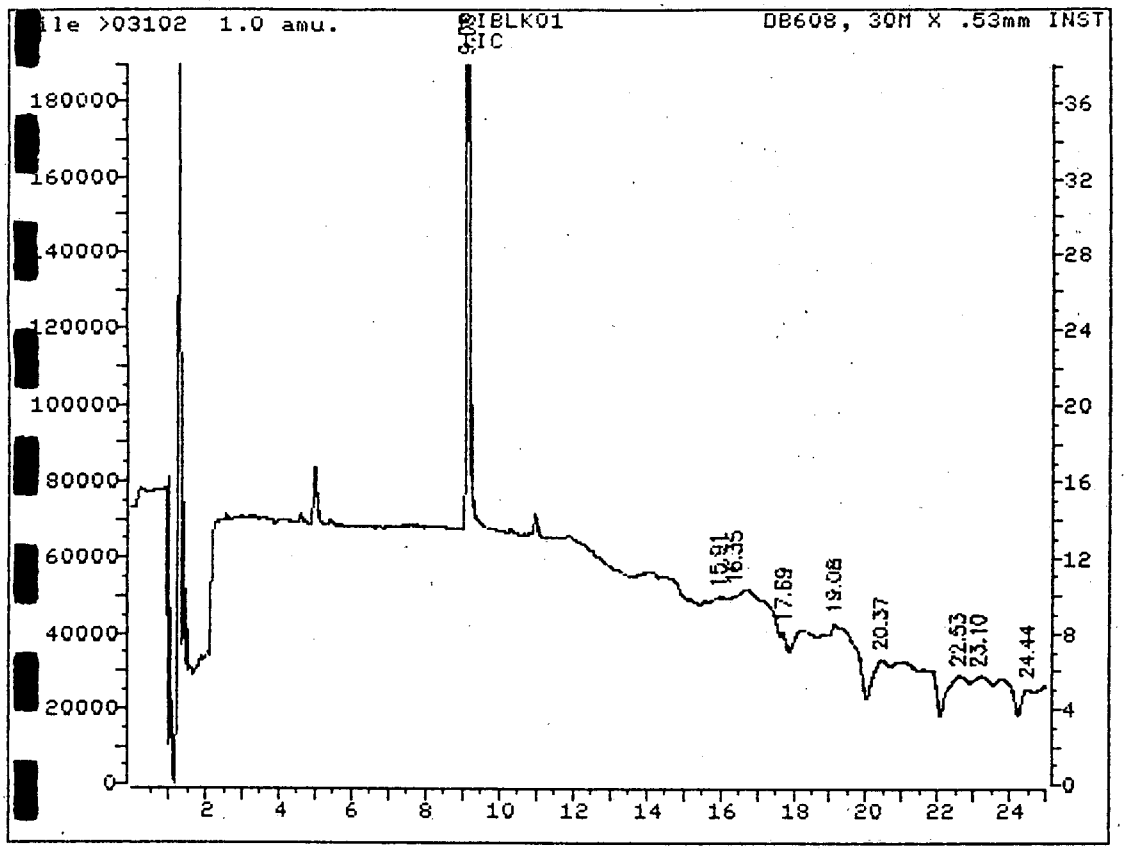
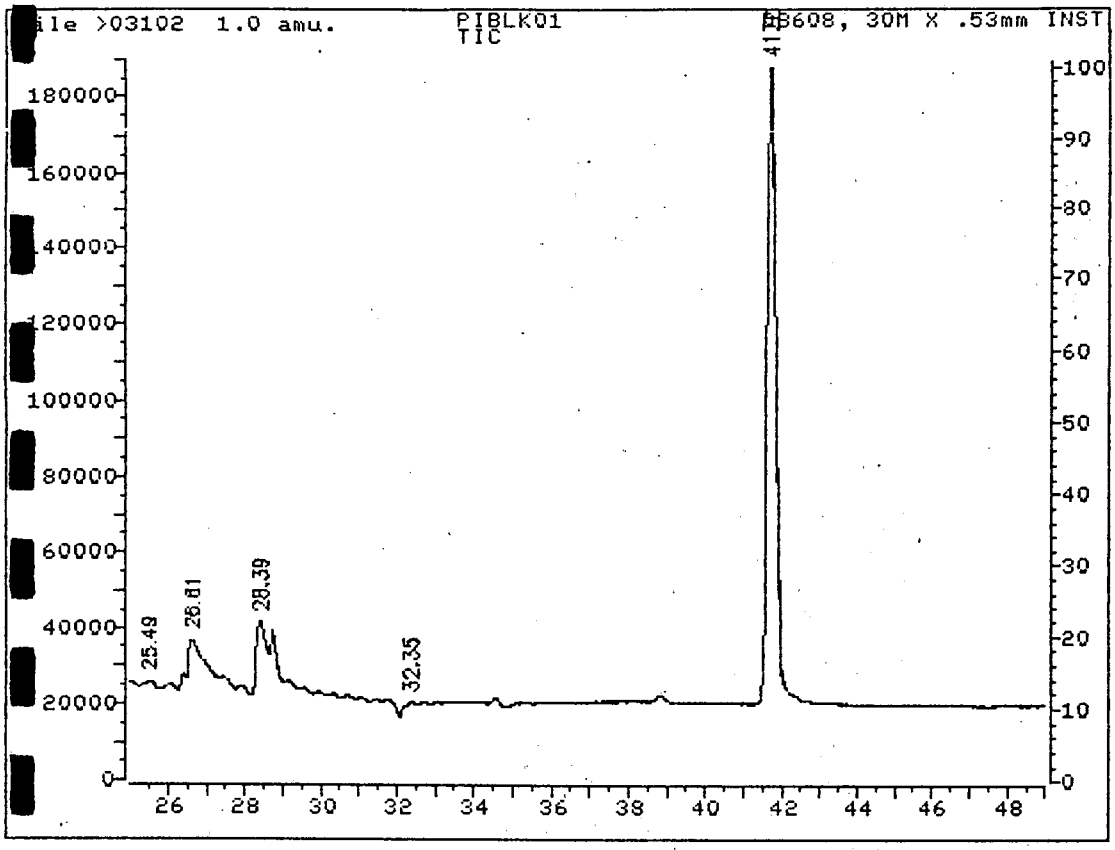


MS data file header from : >03102::G3

Sample: PIBLK01 Operator: TRFIL 7/02/96 4:00
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 : >03102::G3

Sample: PIBLK01 Operator: TRFIL 7/02/96 4:00
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

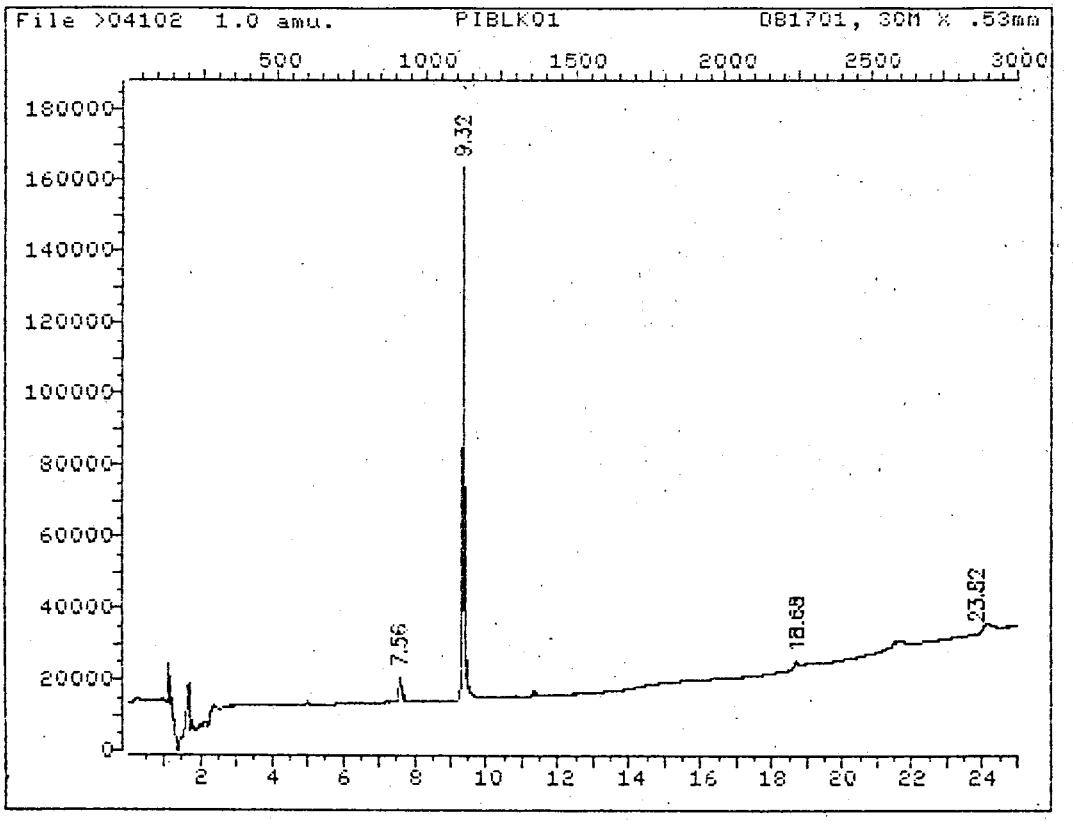
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960702 22:09
Output File: ^04102::F3 Injected at: 960702 04:00
Data File: >04102::G5 Dilution Factor: 1.00000
Name: PIBLK01 Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.32	1118	829078	20.02	ng/ml	100
3)	#~~beta-BHC~~ NC	18.68	2242	24252	.923	ng/ml	100
13)	#~~Endosulfan II~~ NC	26.84	3220	52566	1.47	ng/ml	100
17)	#~~Methoxychlor~~ NC	30.97	3716	125311	9.33	ng/ml	100
19)	#Decachlorobiphenyl	38.73	4648	981573	21.02	ng/ml	100
24)	#~~Aroclor 1221(1)~~ NP	7.56	907	37252	47.10	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	7.56	907	37252	31.28	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	23.82	2858	6645	2.88	ng/ml	100
31)	#~~Toxaphene~~(2) NP	28.29	3394	119842	166.28	ng/ml	100
37)	#~~Aroclor-1016(5)~~ NP	18.68	2242	24252	11.77	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	18.68	2242	24252	9.84	ng/ml	100
54)	#~~Aroclor-1254(5)~~ NP	23.82	2858	6645	4.90	ng/ml	100
56)	#~~Aroclor 1260(3)~~ NP	28.29	3394	121309	68.35	ng/ml	100

Compound uses ESTD

JMM 7/16/96



Data File: >04102::G5 Quant Output File: ^04102::F3
Name: PIBLK01 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 22:09
Injected at: 960702 04:00

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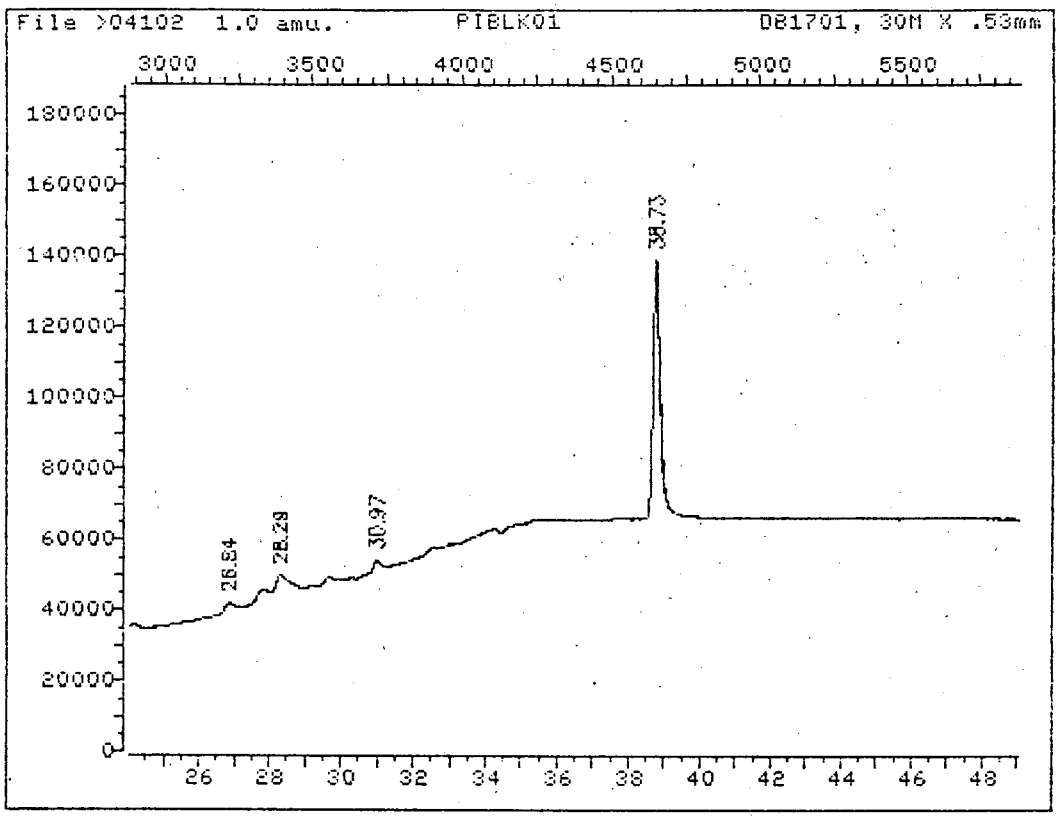

Data File: >04102::G5 Quant Output File: ^04102::F3
Name: PIBLK01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 22:09
Injected at: 960702 04:00

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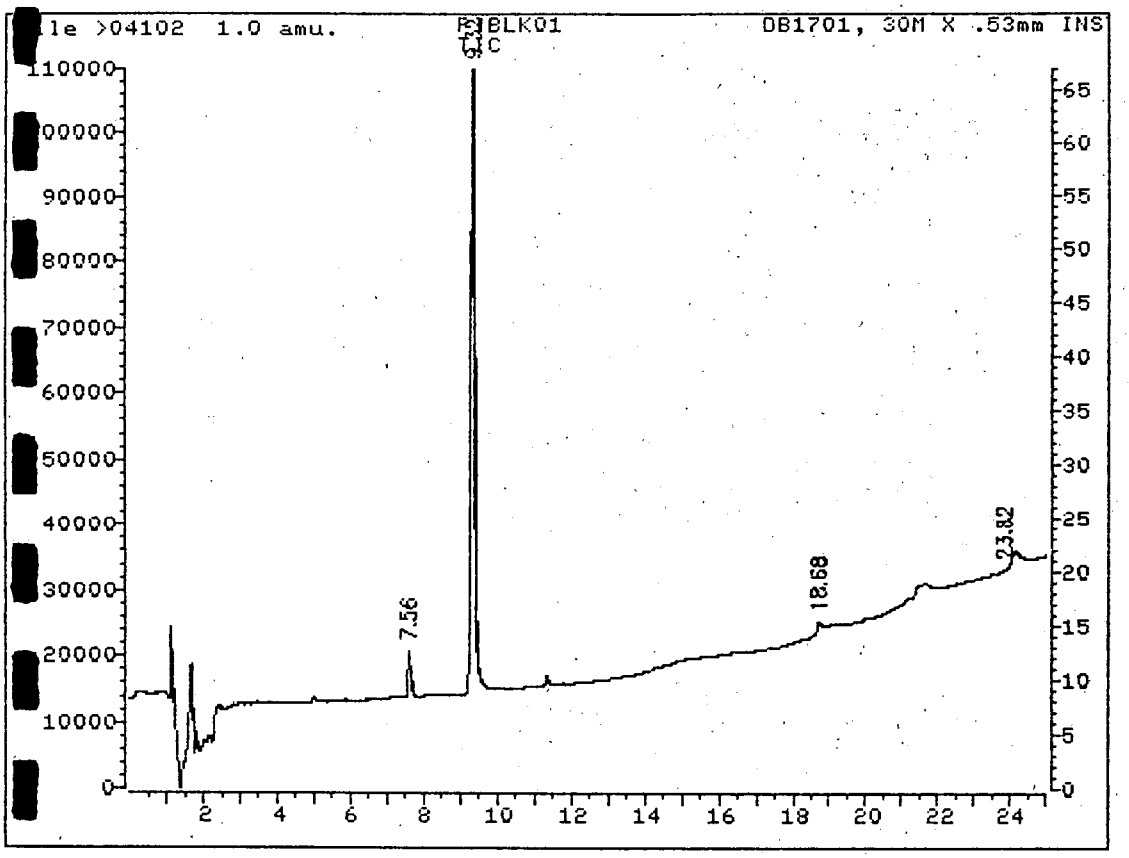
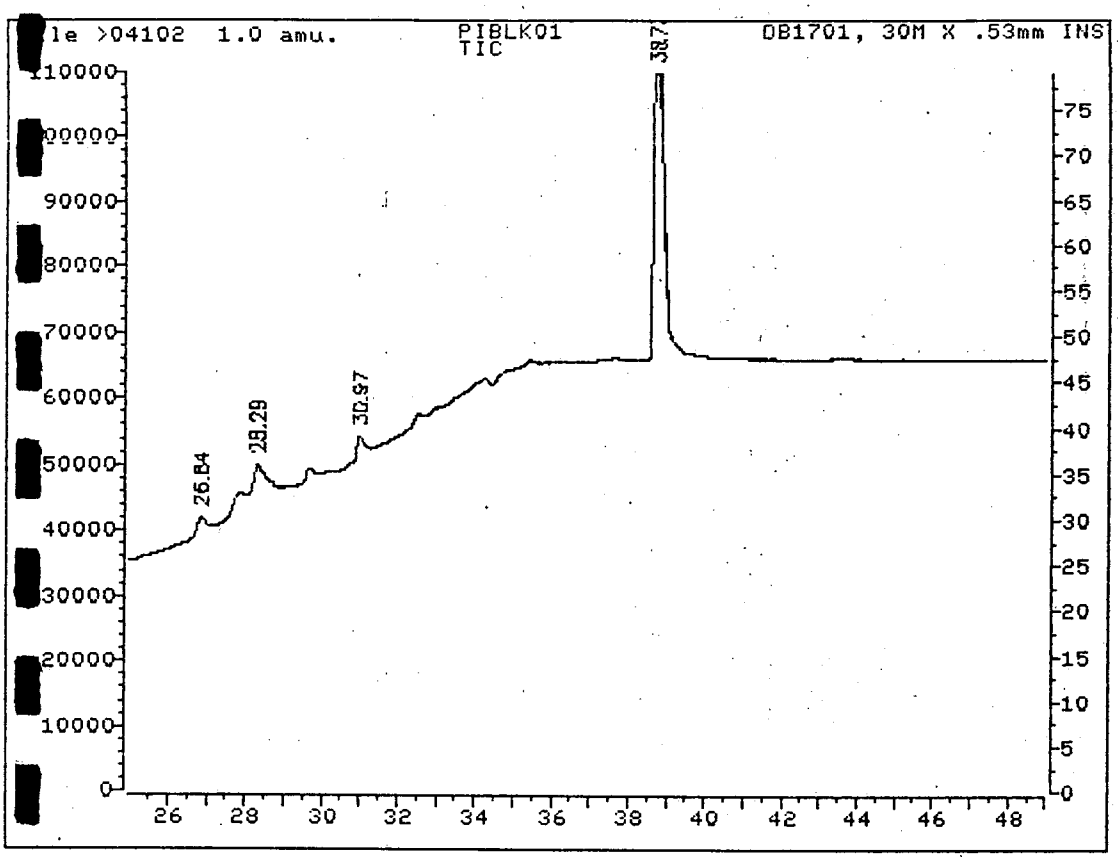


MS data file header from : >04102::G5

ample: PIBLK01 Operator: TRFIL 7/02/96 4:00
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >04102::G5

ample: PIBLK01 Operator: TRFIL 7/02/96 4:00
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.

PIBLK02

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK02

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03113

% 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: 07/02/96

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

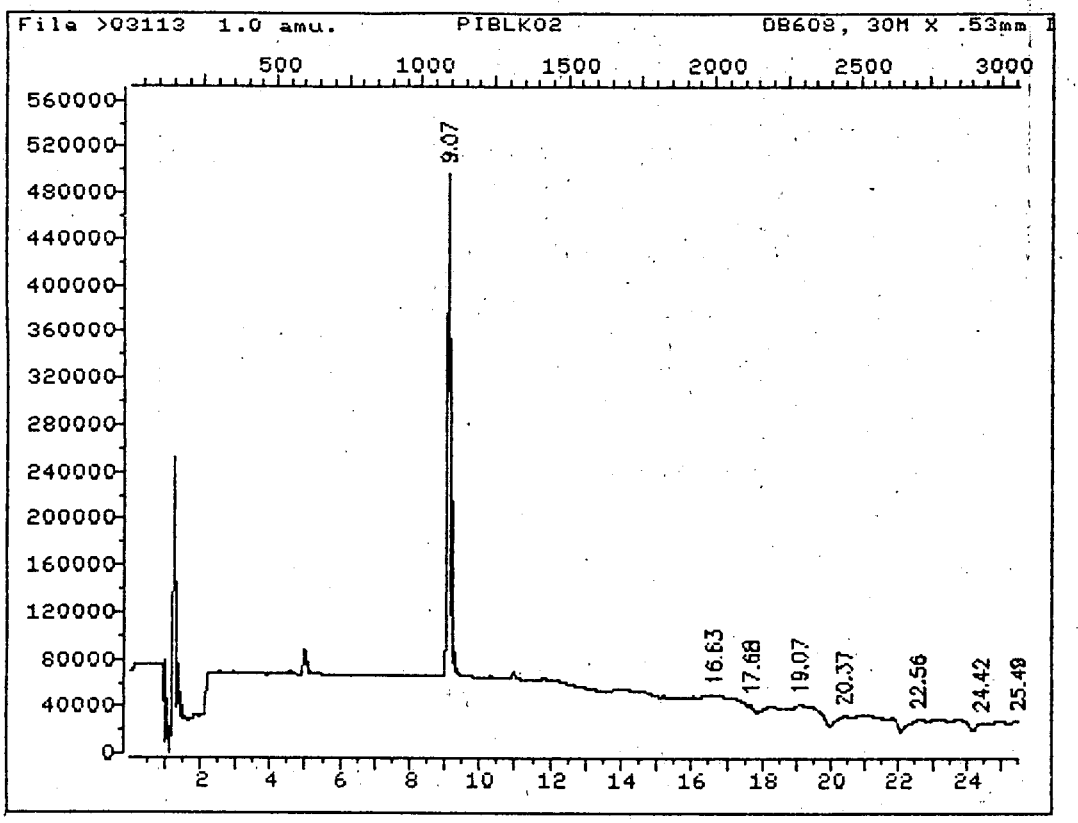
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960704 15:35
Output File: ^03113::F3 Injected at: 960702 14:27
Data File: >03113::G3 Dilution Factor: 1.00000
Name: PIBLK02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2489809	19.90	ng/ml	100
4)	~~#delta BHC~~ NC	16.63	1996	8506	.0704	ng/ml	100
14)	~~#4,4'-DDD~~ NC	25.49	3058	30118	.523	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.33	3399	446135	5.03	ng/ml	100
17)	~~#Methoxychlor~~ OW	32.34	3881	80300	2.07	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	2542041	21.31	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	9.07	1089	2489809	205.78	ng/ml	100
29)	#Aroclor-1260(1) NP	24.42	2930	57598	7.50	ng/ml	100
32)	~~#Toxaphene~~(3) NP	28.33	3399	446135	178.49	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.07	2288	19868	5.87	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	19.07	2288	19868	6.65	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.68	2122	40244	15.43	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	19.07	2288	19868	4.78	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.37	2444	231548	47.79	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	22.56	2707	199095	123.48	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.70	3204	2356901	451.49	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.27	3632	6181	.572	ng/ml	100

Compound uses ESTD

JPM 7/13/96



Data File: >03113::G3 Quant Output File: ^03113::F3
Name: PIBLK02 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 21:42
Injected at: 960702 14:27

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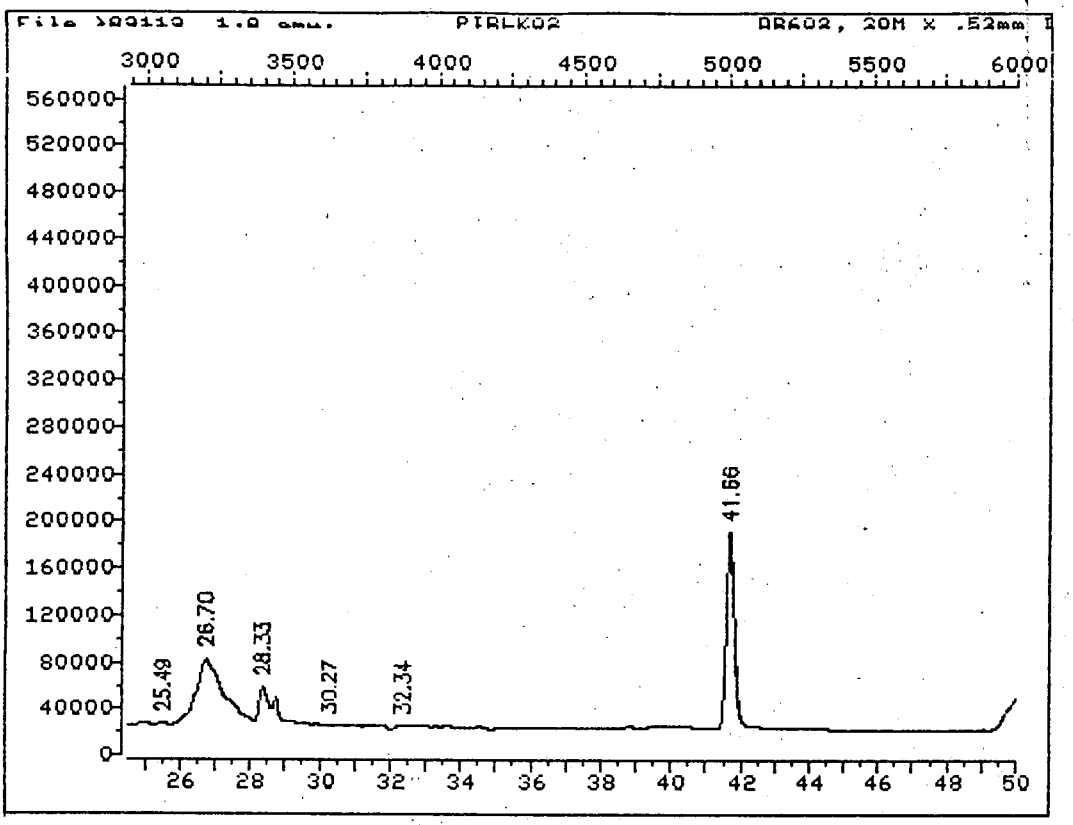
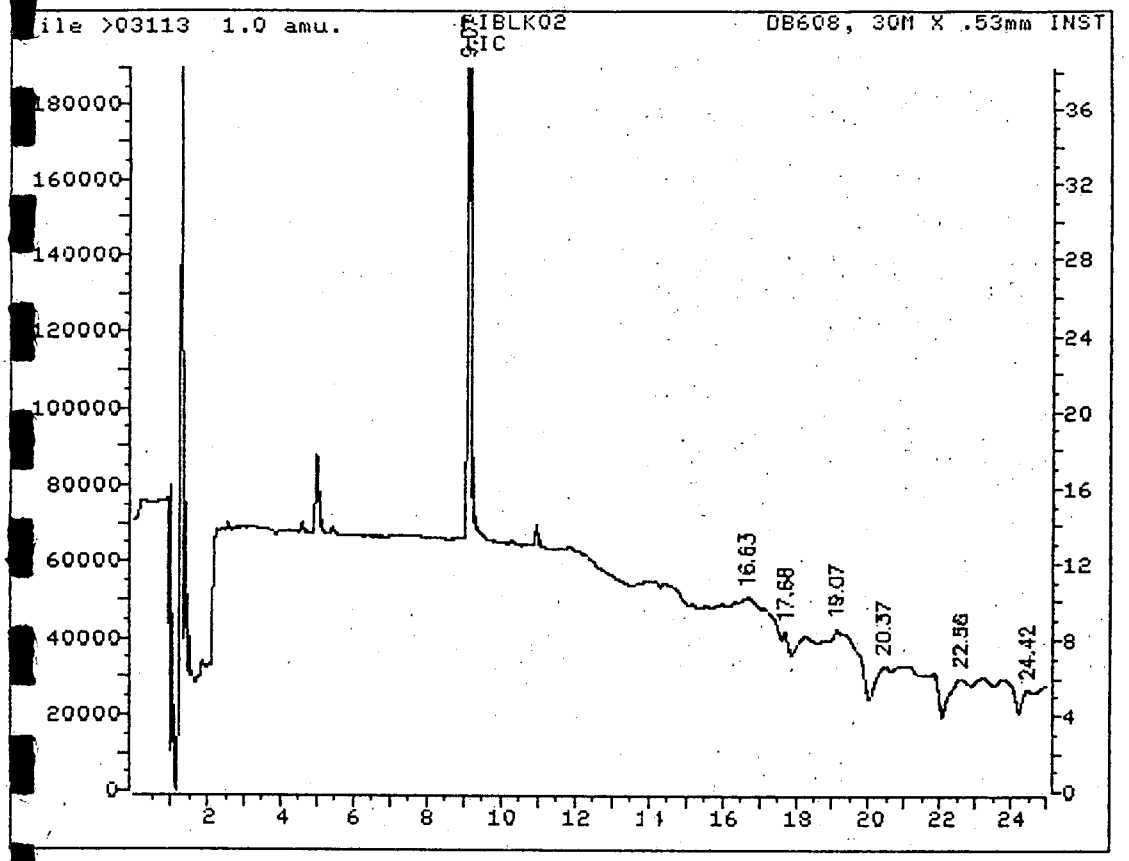


Data File: >03113::G3 Quant Output File: ^03113::F3
Name: PIBLK02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

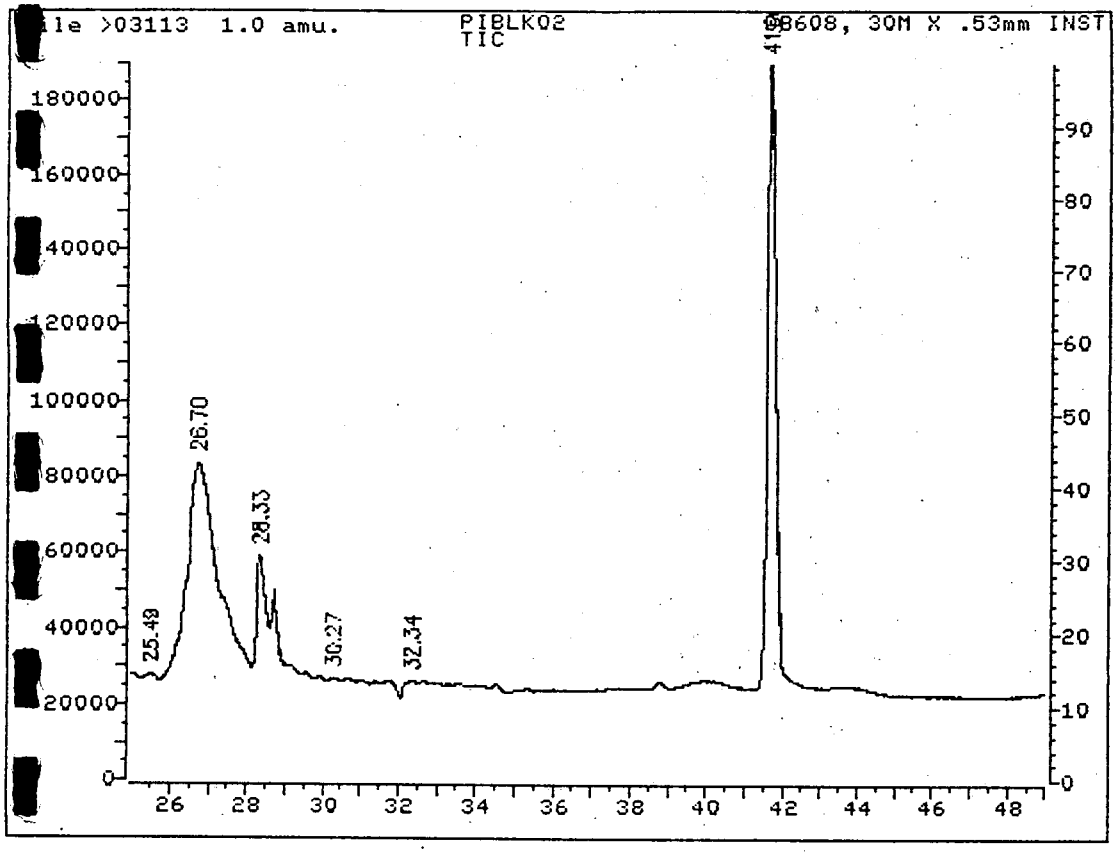
Operator ID: TRFIL
Quant Time : 960702 21:42
Injected at: 960702 14:27



MS data file header from : >03113::G3

Sample: PIBLK02 Operator: TRFIL 7/02/96 14:27
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 : >03113::G3

Sample: PIBLK02 Operator: TRFIL 7/02/96 14:27
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

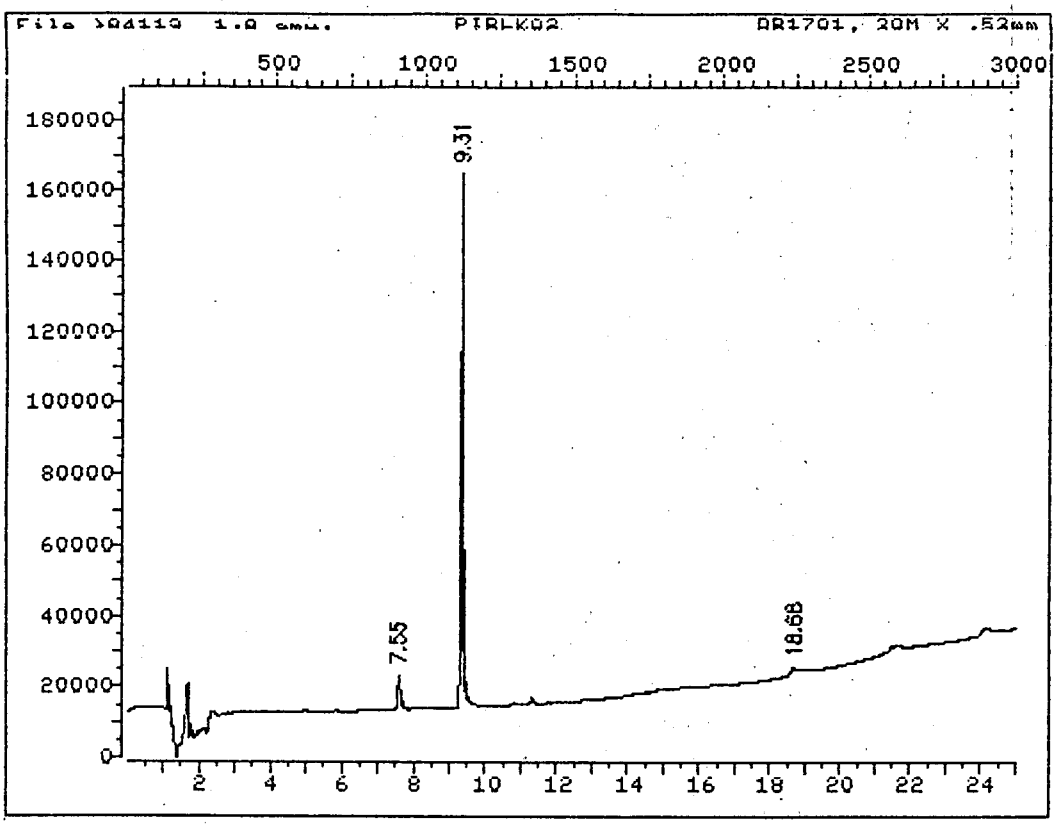
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960702 22:20
Output File: ^04113::F3 Injected at: 960702 14:27
Data File: >04113::G5 Dilution Factor: 1.00000
Name: PIBLK02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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
1)	#Tetrachloro-m-xylene	9.31	1117	832017	20.09	ng/ml	100
3)	~~#beta-BHC~~ NC	18.68	2241	15347	.584	ng/ml	100
13)	~~#Endosulfan II~~ NC	26.84	3220	92311	2.58	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.94	3713	60182	4.48	ng/ml	100
19)	#Decachlorobiphenyl	38.71	4645	967861	20.73	ng/ml	100
24)	~~#Aroclor-1221~~(1) NP	7.55	906	51601	65.25	ng/ml	100
25)	~~#Aroclor-1232~~(1) NP	7.55	906	51601	43.33	ng/ml	100
31)	#~~Toxaphene~~(2) NP	28.21	3385	188861	262.04	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.68	2241	14410	6.99	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	18.68	2241	14410	5.85	ng/ml	100

Compound uses ESTD

7/16/96



Data File: >04113::G5 Quant Output File: ^04113::F3
Name: PIBLK02 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 22:20
Injected at: 960702 14:27

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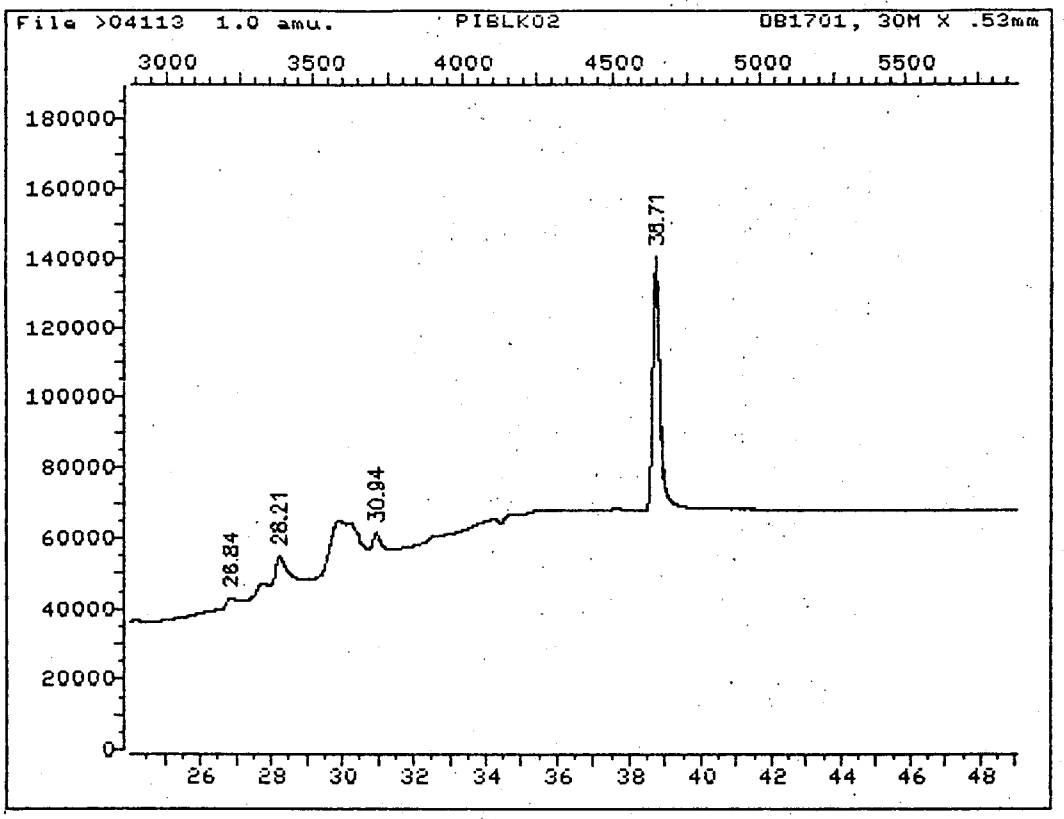

Data File: >04113::G5 Quant Output File: ^04113::F3
Name: PIBLK02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 22:20
Injected at: 960702 14:27

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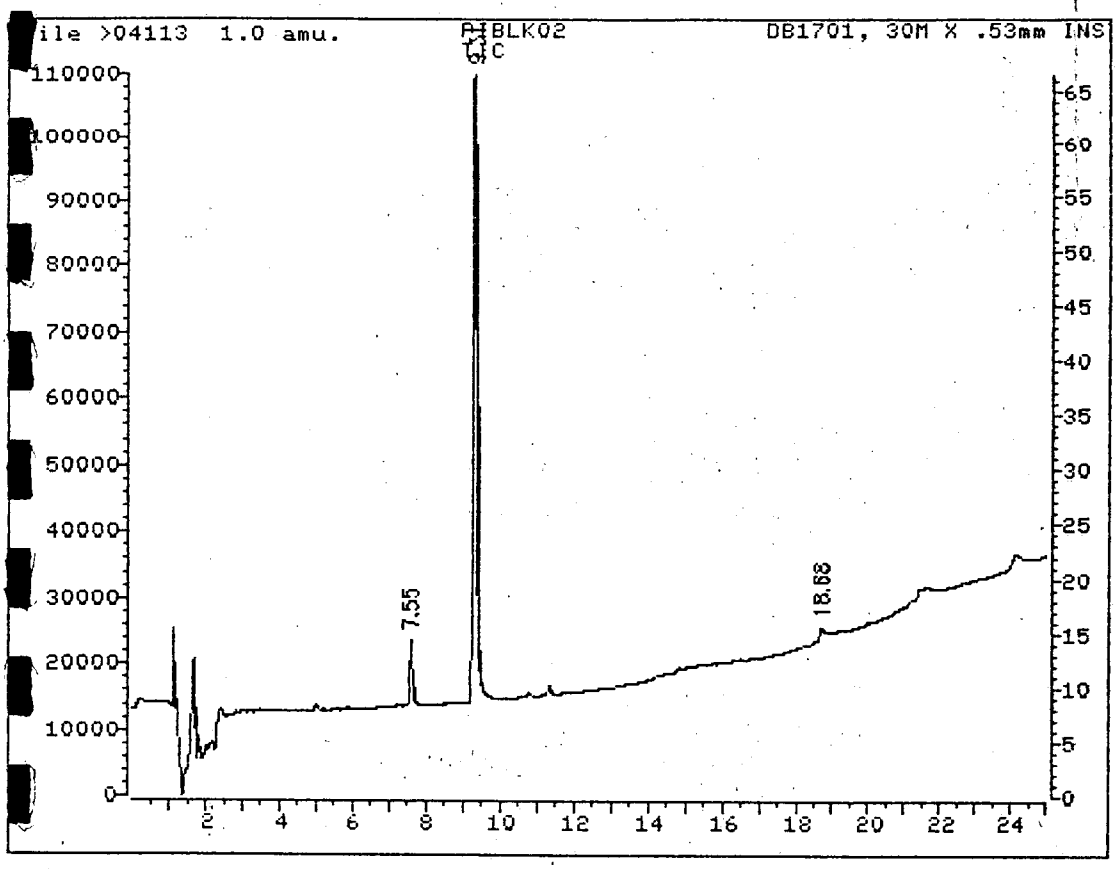
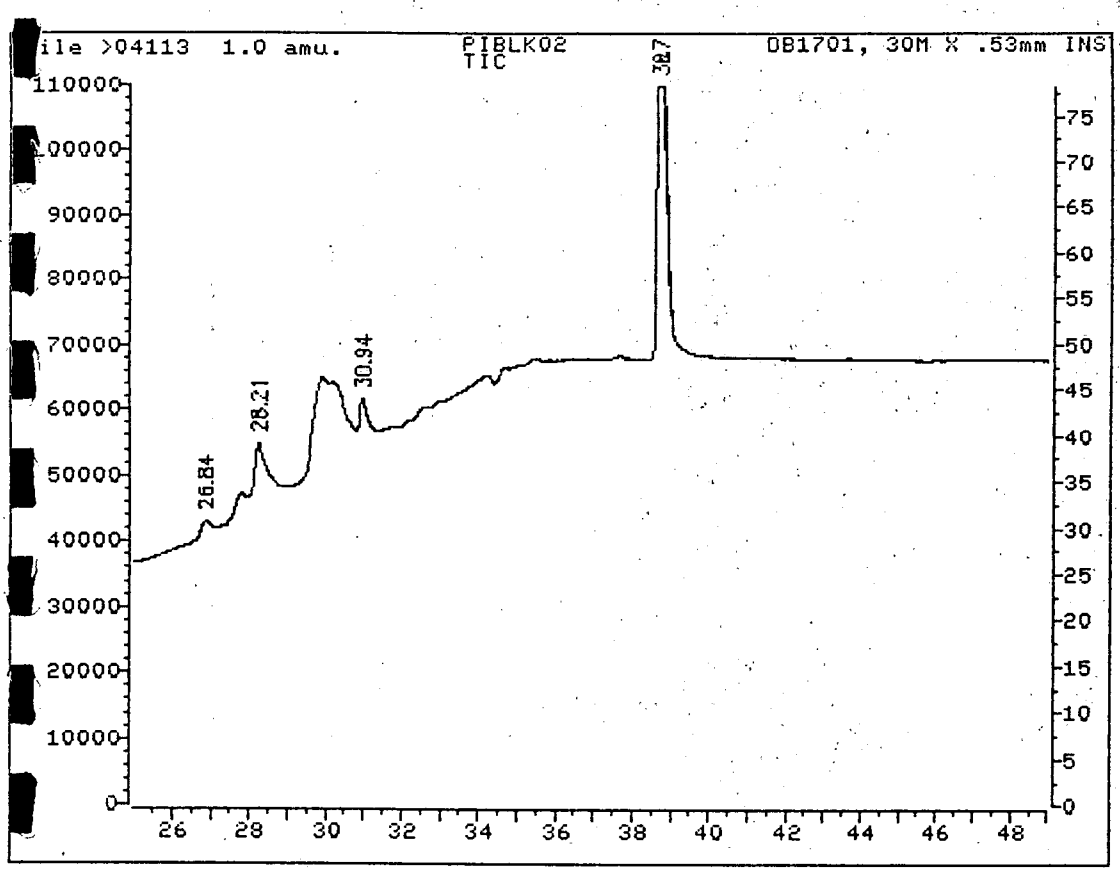


MS data file header from : >04113::G5

Sample: PIBLK02 Operator: TRFIL 7/02/96 14:27
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 : >04113::G5

Sample: PIBLK02 Operator: TRFIL 7/02/96 14:27
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.

PIBLK03

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK03

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03124

% 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: 07/03/96

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

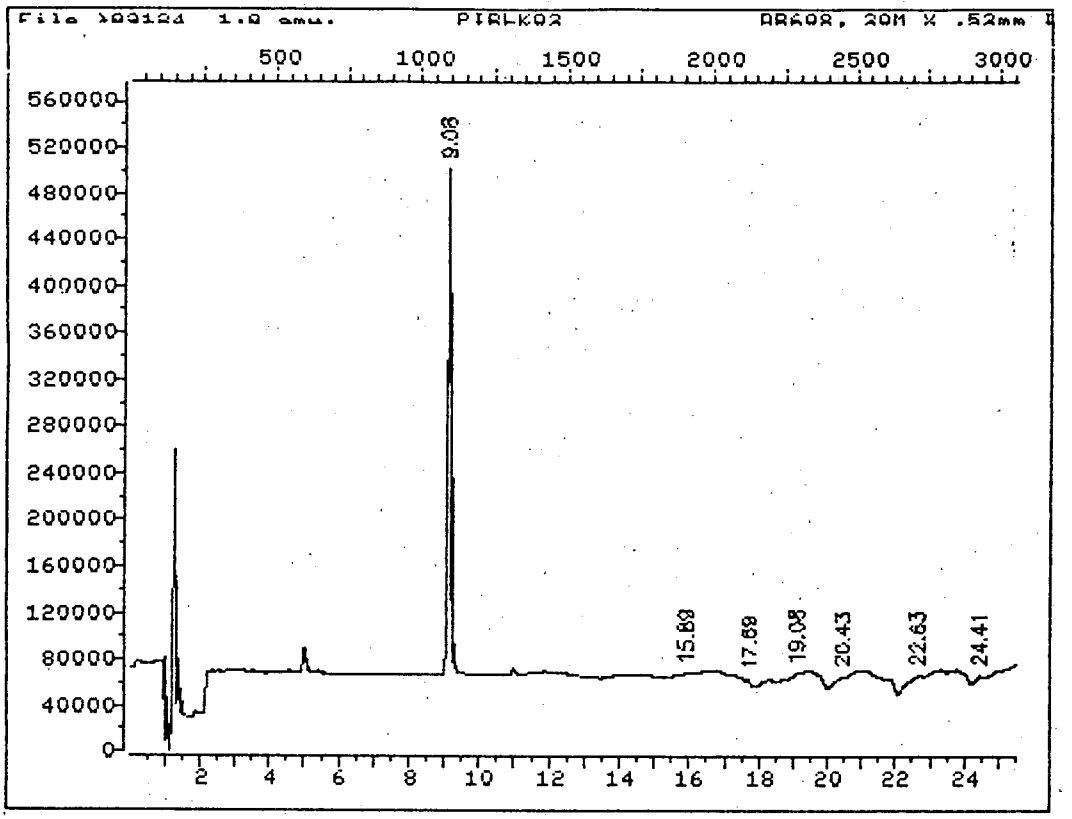
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960703 07:40
Output File: ^03124::F3 Injected at: 960703 00:53
Data File: >03124::G3 Dilution Factor: 1.00000
Name: PIBLK03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.08	1090	2498885	19.97	ng/ml	100
6)	~~#Heptachlor~~ NC	15.89	1907	11187	.143	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.37	3404	255146	2.88	ng/ml	100
16)	~~#4,4' DDT~~ NC	27.09	3250	38720	.597	ng/ml	100
18)	~~#Endrin ketone~~ NC	32.72	3926	9945	.110	ng/ml	100
19)	#Decachlorobiphenyl	41.68	5001	2225672	18.66	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	9.08	1090	2498885	206.53	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	15.89	1907	11283	2.16	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.41	2929	9776	1.27	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.42	3290	85267	46.34	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.37	3404	255146	102.08	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.89	1907	11283	1.02	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	19.08	2289	78616	23.22	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	15.89	1907	11283	2.40	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.89	1907	11283	1.27	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	19.08	2289	78616	26.30	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.69	2123	38206	14.86	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	19.08	2289	78616	24.38	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.43	2451	153680	67.90	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	22.63	2715	344534	213.68	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.61	3193	100805	19.31	ng/ml	100

Compound uses ESTD

7/13/96



Data File: >03124::G3 Quant Output File: ^03124::F3
Name: PIBLK03 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 : 960703 07:40
Injected at: 960703 00:53

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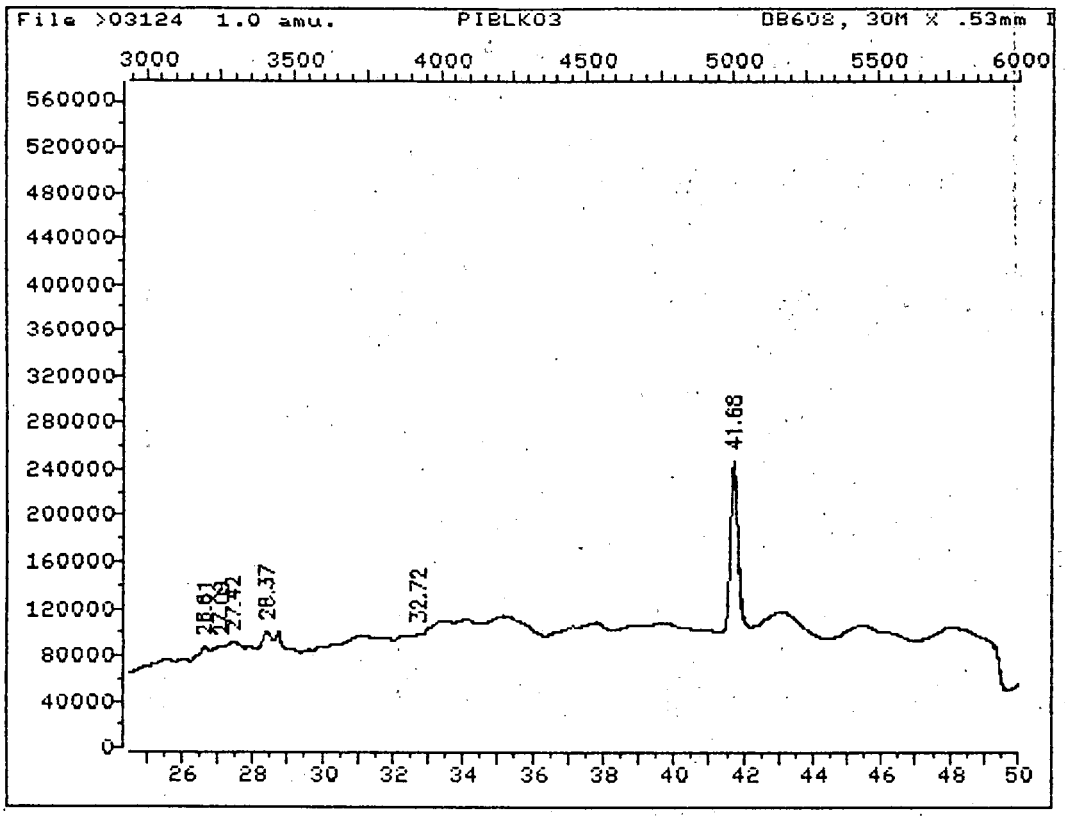

Data File: >03124::G3 Quant Output File: ^03124::F3
Name: PIBLK03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 : 960703 07:40
Injected at: 960703 00:53

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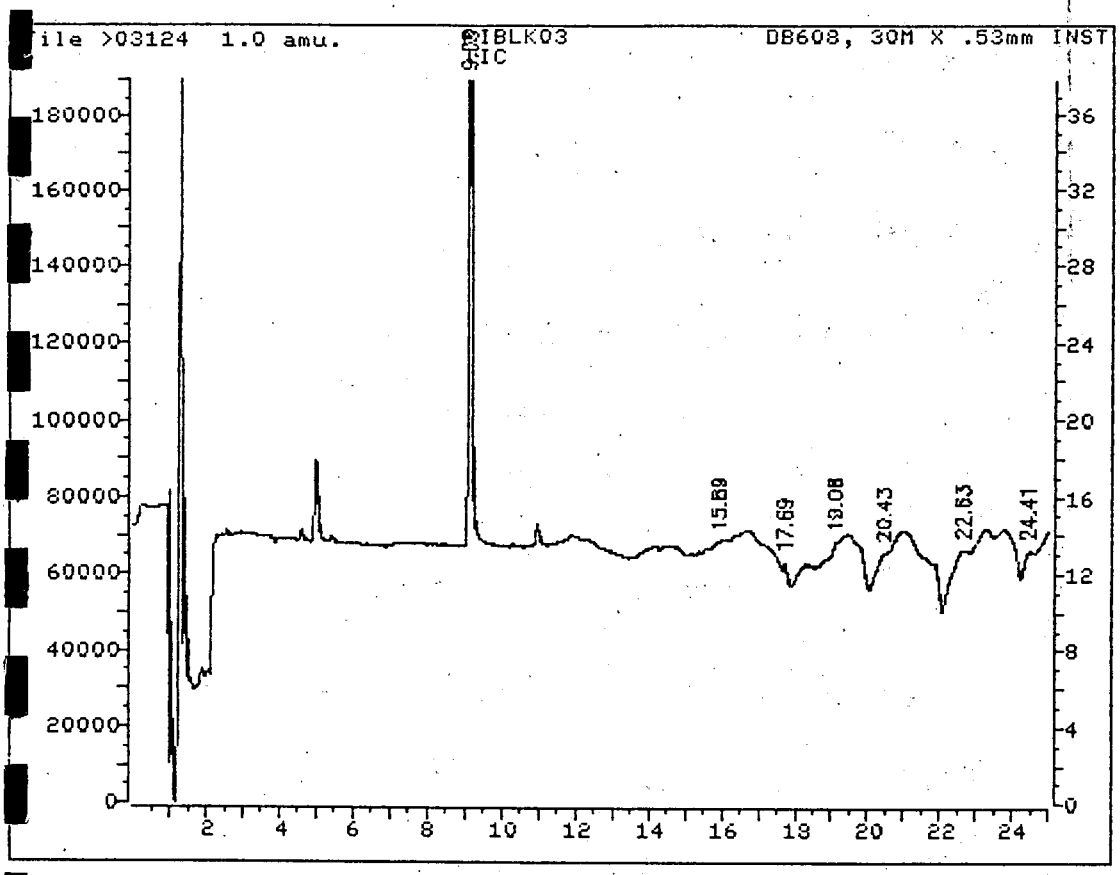
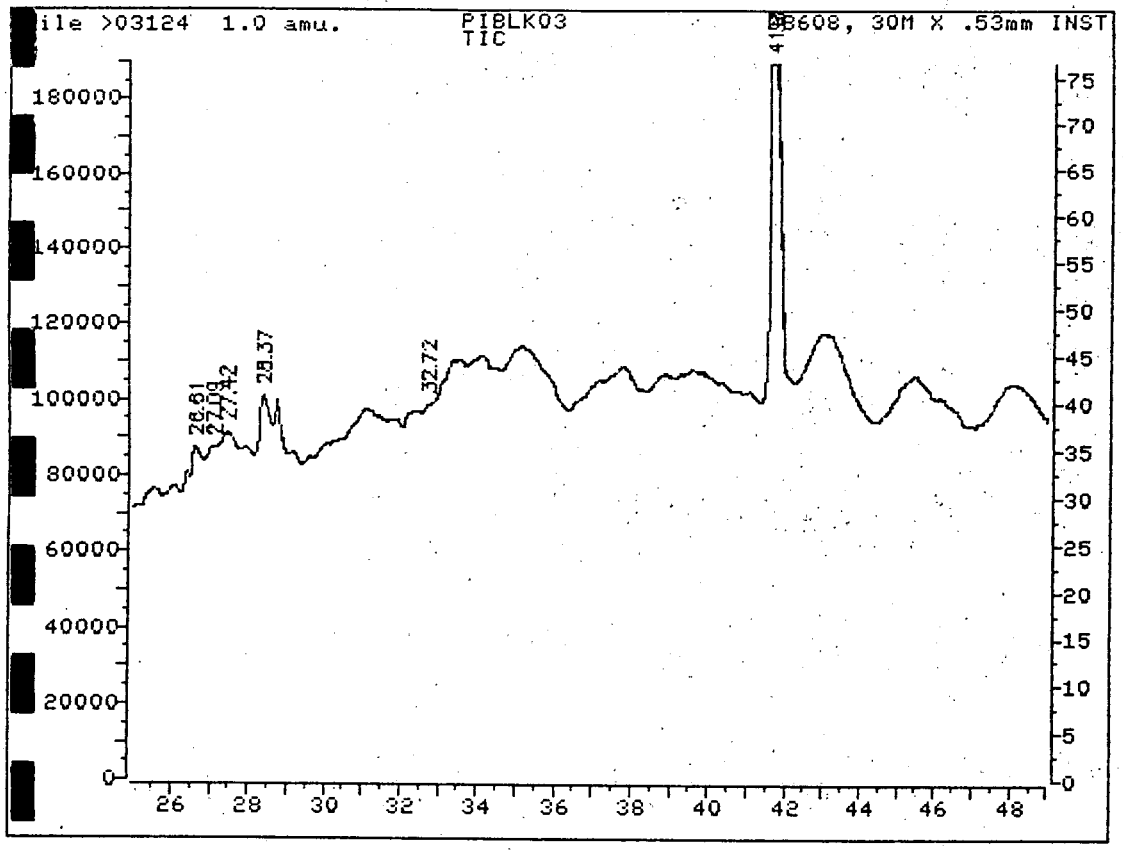


MS data file header from : >03124::G3

Sample: PIBLK03 Operator: TRFIL 7/03/96 0:53
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 : >03124::G3

Sample: PIBLK03 Operator: TRFIL 7/03/96 0:53
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

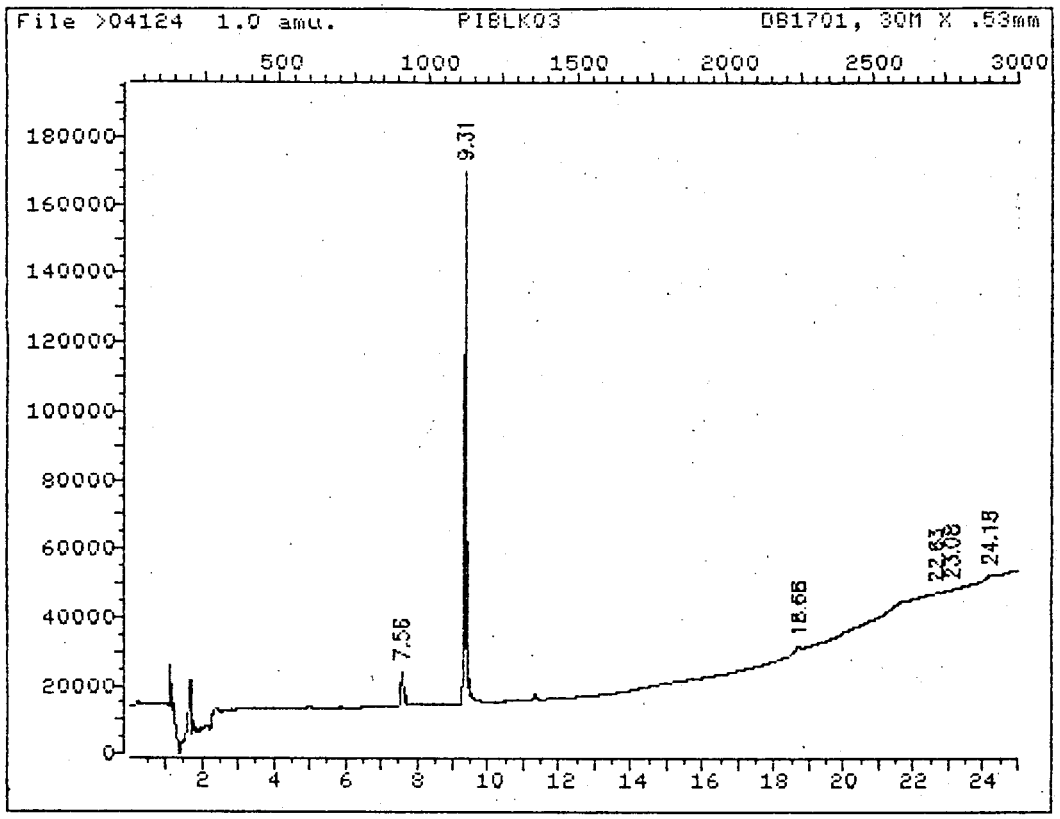
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960708 12:19
Output File: ^04124::F3 Injected at: 960703 00:53
Data File: >04124::G5 Dilution Factor: 1.00000
Name: PIBLK03 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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
1)	#Tetrachloro-m-xylene	9.31	1117	841674	20.32	ng/ml	100
3)	~~#beta BHC~~ NC	18.68	2242	87559	3.33	ng/ml	100
11)	~~#4,4' DDE~~ NC	22.63	2716	26098	.940	ng/ml	100
12)	~~#Endrin~~ NC	24.18	2901	17983	.620	ng/ml	100
13)	~~#Endosulfan II~~ NC	26.58	3189	30718	.858	ng/ml	100
14)	~~#4,4' DDD~~ NC	26.58	3189	56175	2.66	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.97	3716	127727	9.49	ng/ml	100
19)	#Decachlorobiphenyl	38.72	4646	851071	18.22	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.56	907	53689	67.89	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.56	907	53689	45.09	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.24	3388	101881	141.36	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	30.32	3638	30282	61.44	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.79	3814	39312	78.34	ng/ml	100
37)	~~#Aroclor 1016(5)~~ NP	18.68	2242	99056	48.07	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.68	2242	99056	40.21	ng/ml	100
53)	~~#Aroclor 1254(4)~~ NP	23.08	2769	9769	3.83	ng/ml	100

Compound uses ESTD

JM 7/16/96



Data File: >04124::G5 Quant Output File: ^04124::F3
Name: PIBLK03 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960708 12:19
Injected at: 960703 00:53

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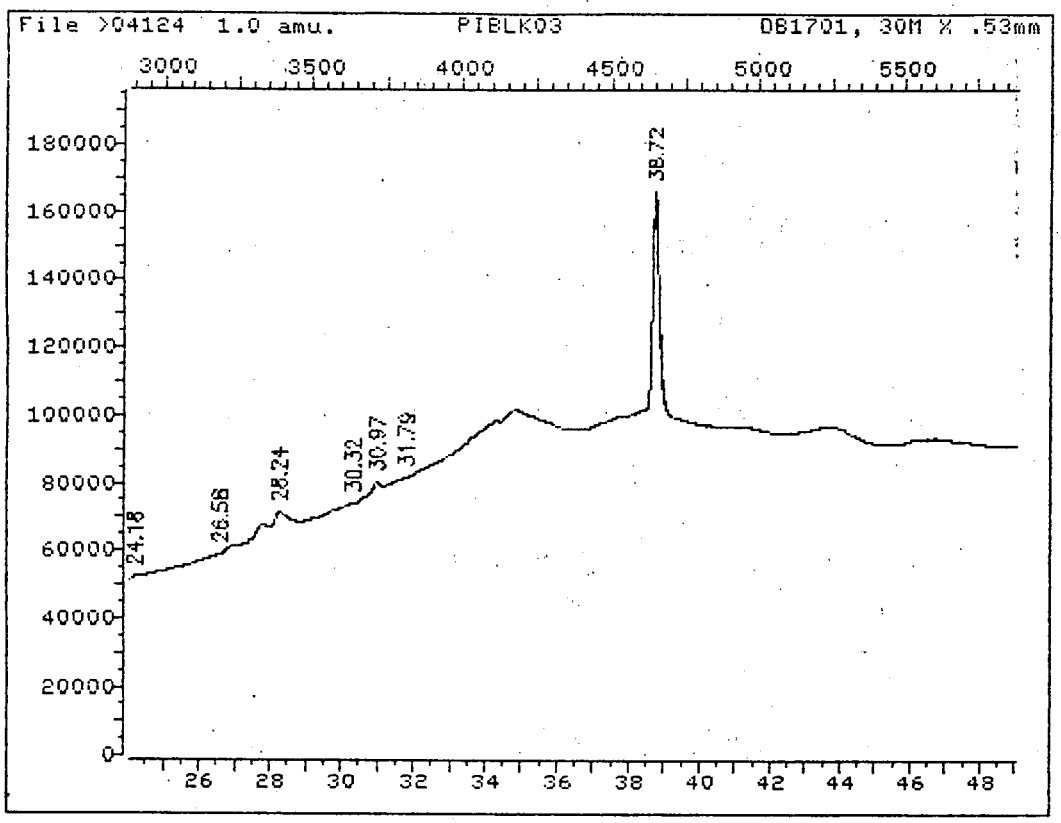

Data File: >04124::G5 Quant Output File: ^04124::F3
Name: PIBLK03 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960708 12:19
Injected at: 960703 00:53

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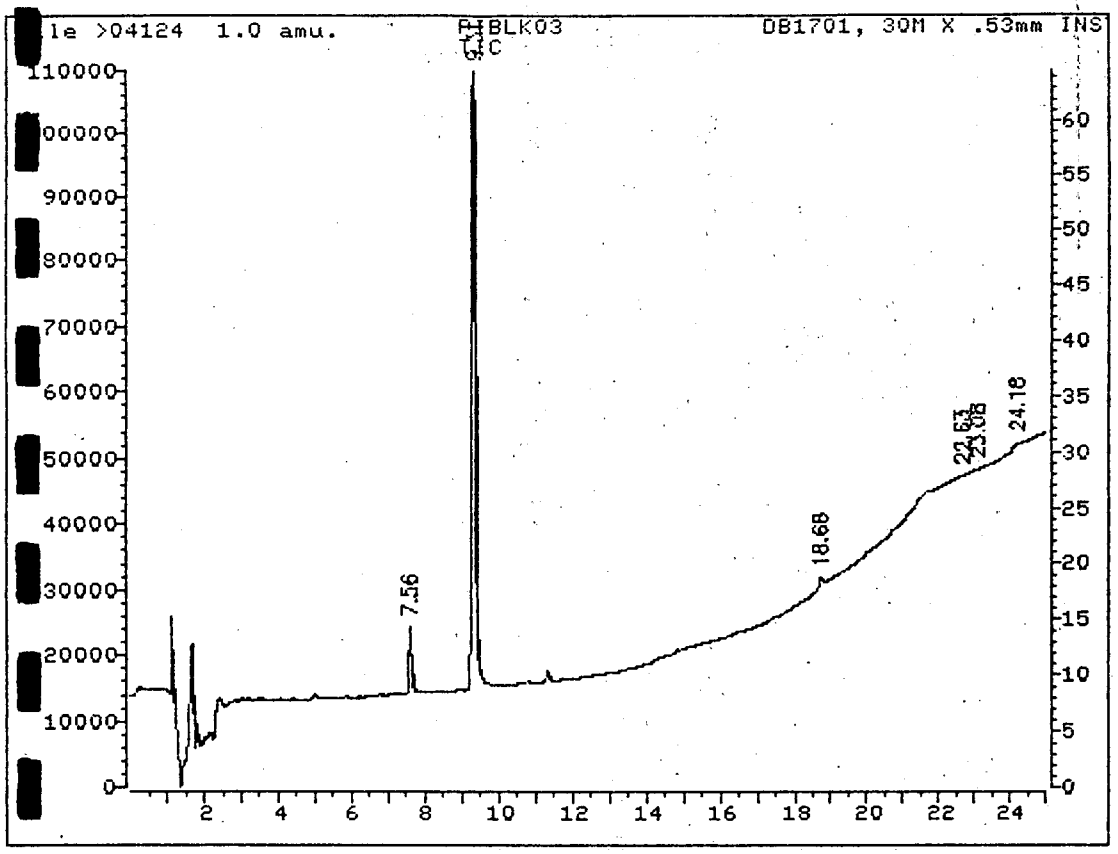
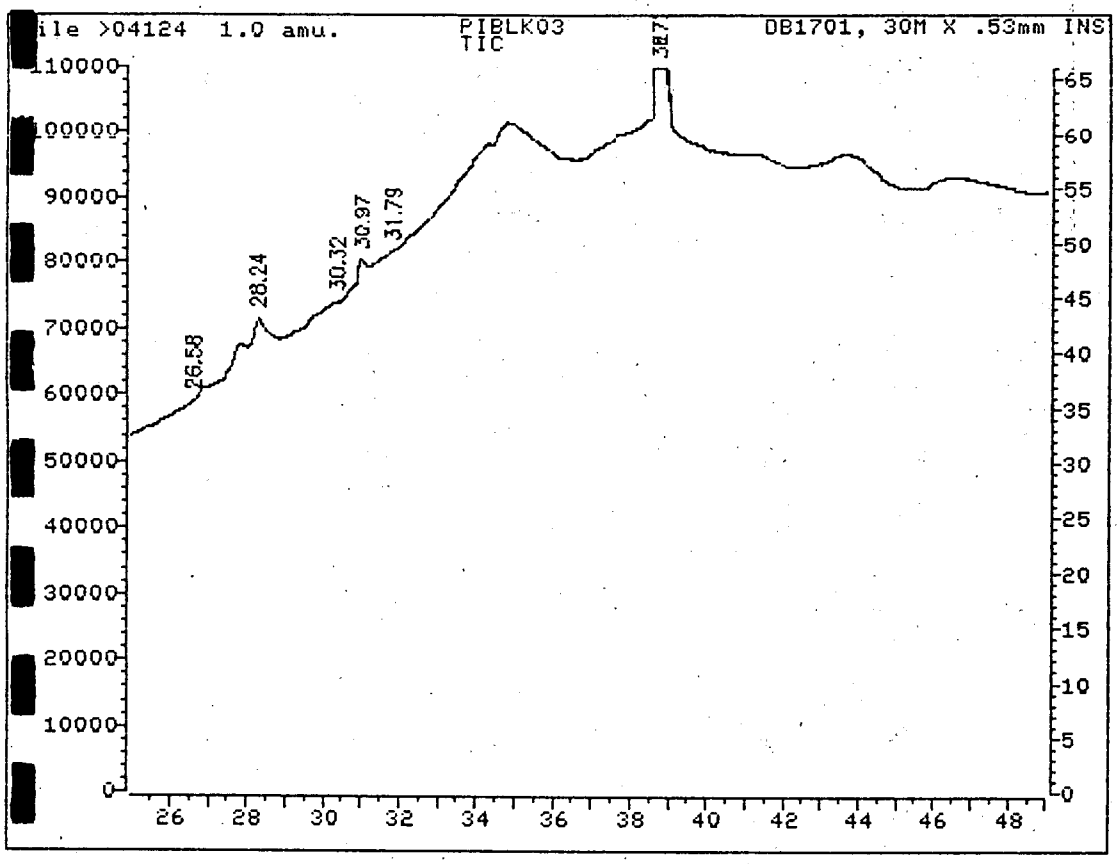


MS data file header from : >04124::G5

Sample: PIBLK03 Operator: TRFIL 7/03/96 0:53
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 : >04124::G5

Sample: PIBLK03 Operator: TRFIL 7/03/96 0:53
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.

PIBLK04

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03134

% 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: 07/03/96

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: TRFIL
Output File: ^03134::F3
Data File: >03134::G3
Name: PIBLK04
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

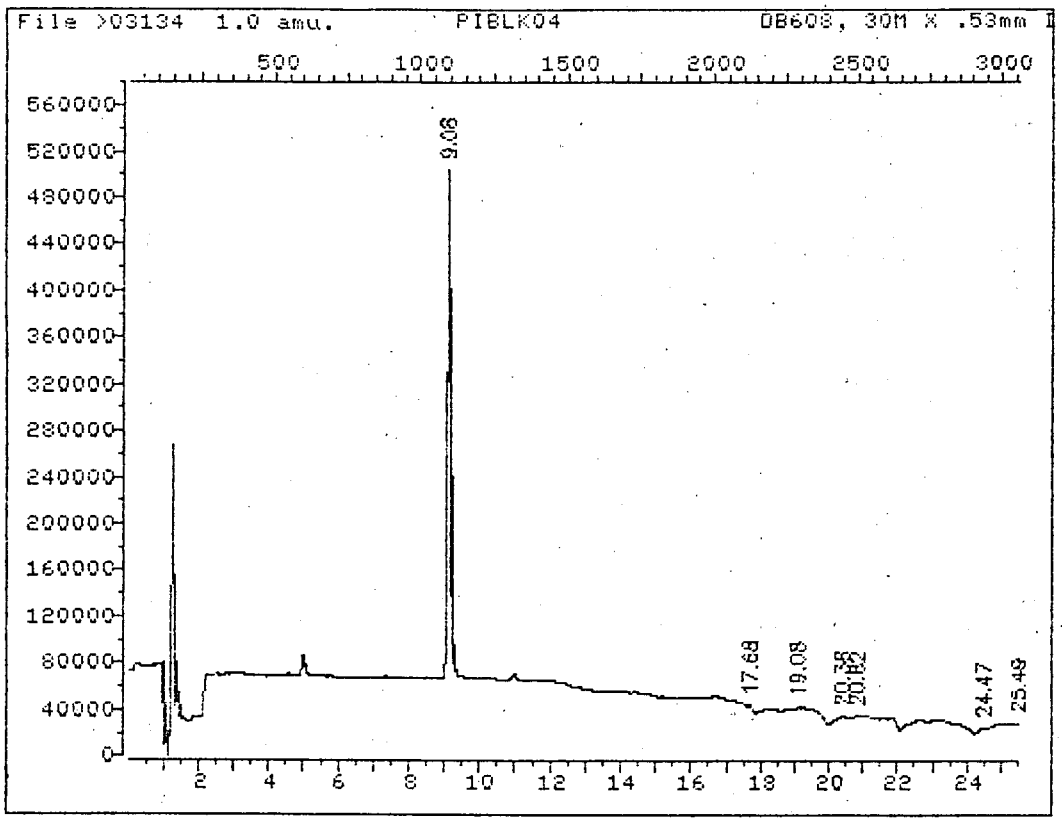
Quant Rev: 7
Quant Time: 960705 18:00
Injected at: 960703 10:22
Dilution Factor: 1.00000
Instrument ID: GC03

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	9.08	1090	2519707	20.13	ng/ml	100
13)	~~#Endosulfan II~~ NC OW	26.00	3120	14251	.148	ng/ml	100
14)	~~#4,4'-DDD~~ OW	25.49	3058	22505	.391	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.38	3405	282877	3.19	ng/ml	100
17)	#~~Methoxychlor~~ OW	32.36	3883	47752	1.23	ng/ml	100
19)	#Decachlorobiphenyl	41.69	5003	2673844	22.34	ng/ml	100
28)	#~~Aroclor-1254(1)~~ NP	20.82	2498	5297	1.12	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.47	2936	49905	6.44	ng/ml	100
32)	#~~Toxaphene~~(3) NP	28.38	3405	282877	113.17	ng/ml	100
37)	#~~Aroclor 1016(5)~~ NP	19.08	2289	11222	3.30	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	19.08	2289	11222	3.75	ng/ml	100
47)	#~~Aroclor 1248(2)~~ NP	17.68	2122	37850	14.51	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	19.08	2289	11222	2.70	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.38	2445	166212	34.31	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.61	3193	177173	33.94	ng/ml	100

Compound uses ESTD

7/13/96

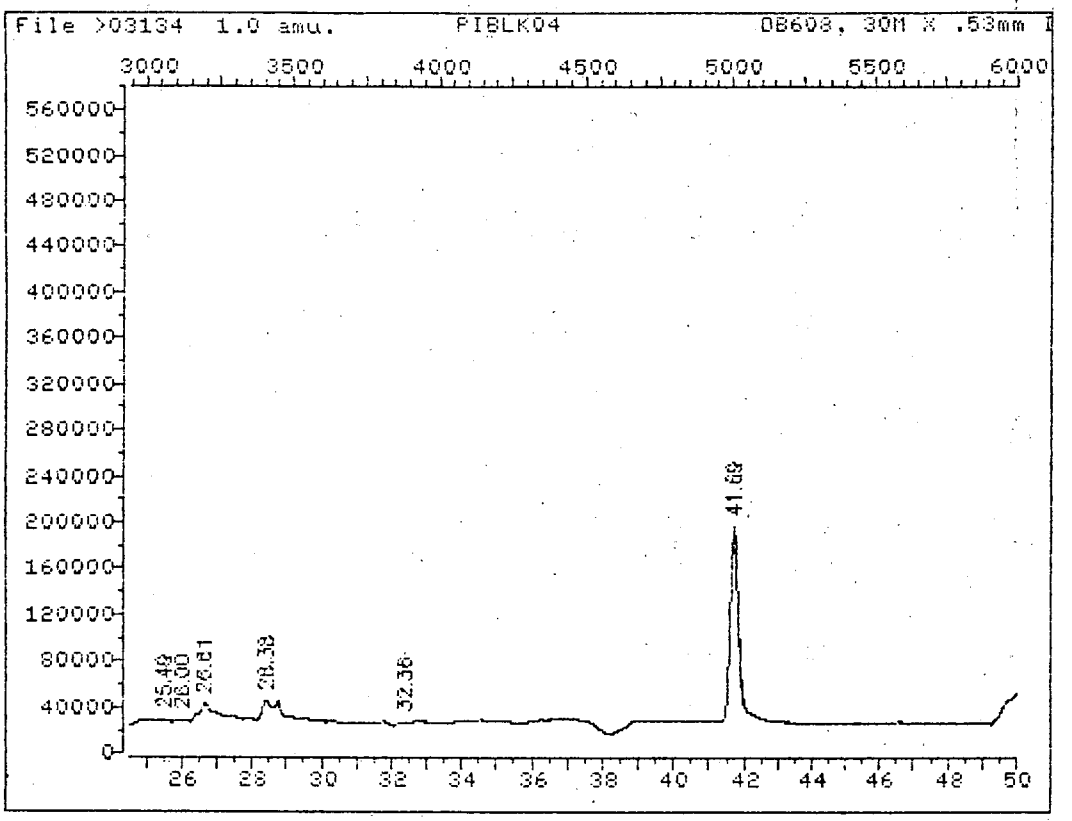


Data File: >03134::G3 Quant Output File: ^03134::F3
Name: PIBLK04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 18:00
Injected at: 960703 10:22

Page 1 of 2

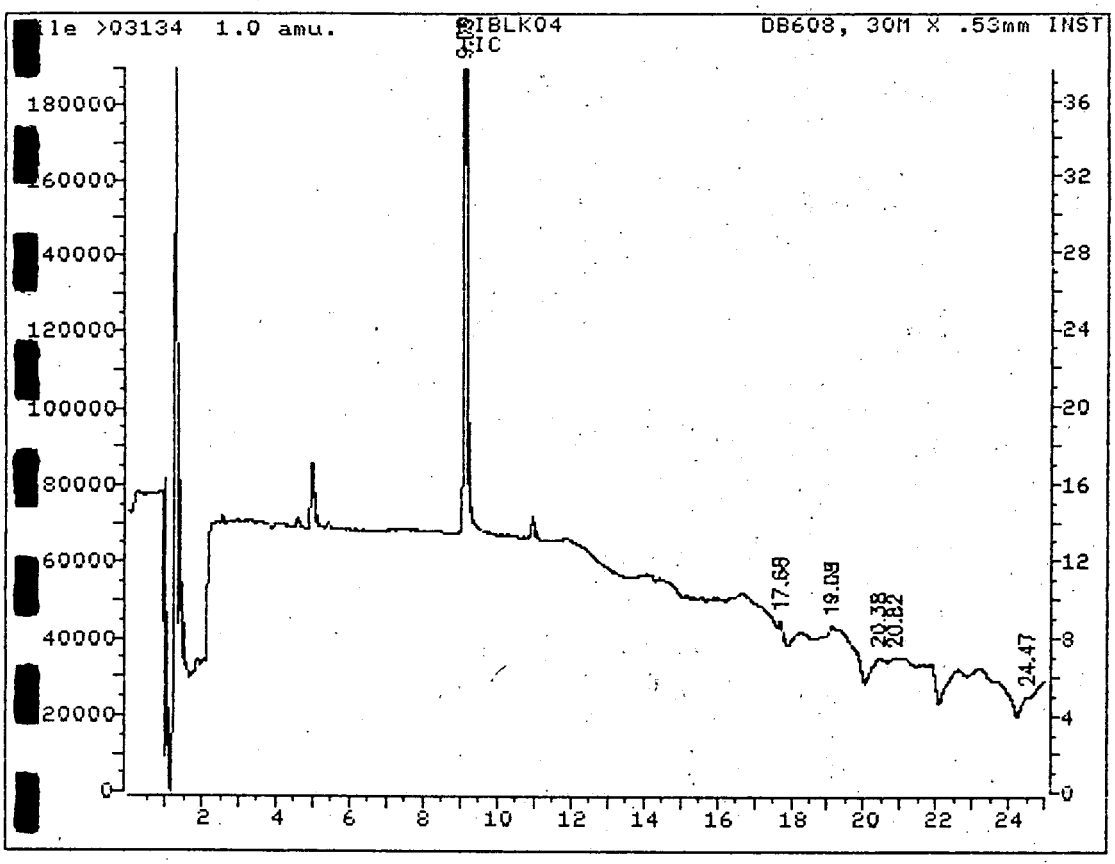


Data File: >03134::G3 Quant Output File: ^03134::F3
Name: PIBLK04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 : 960705 18:00
Injected at: 960703 10:22

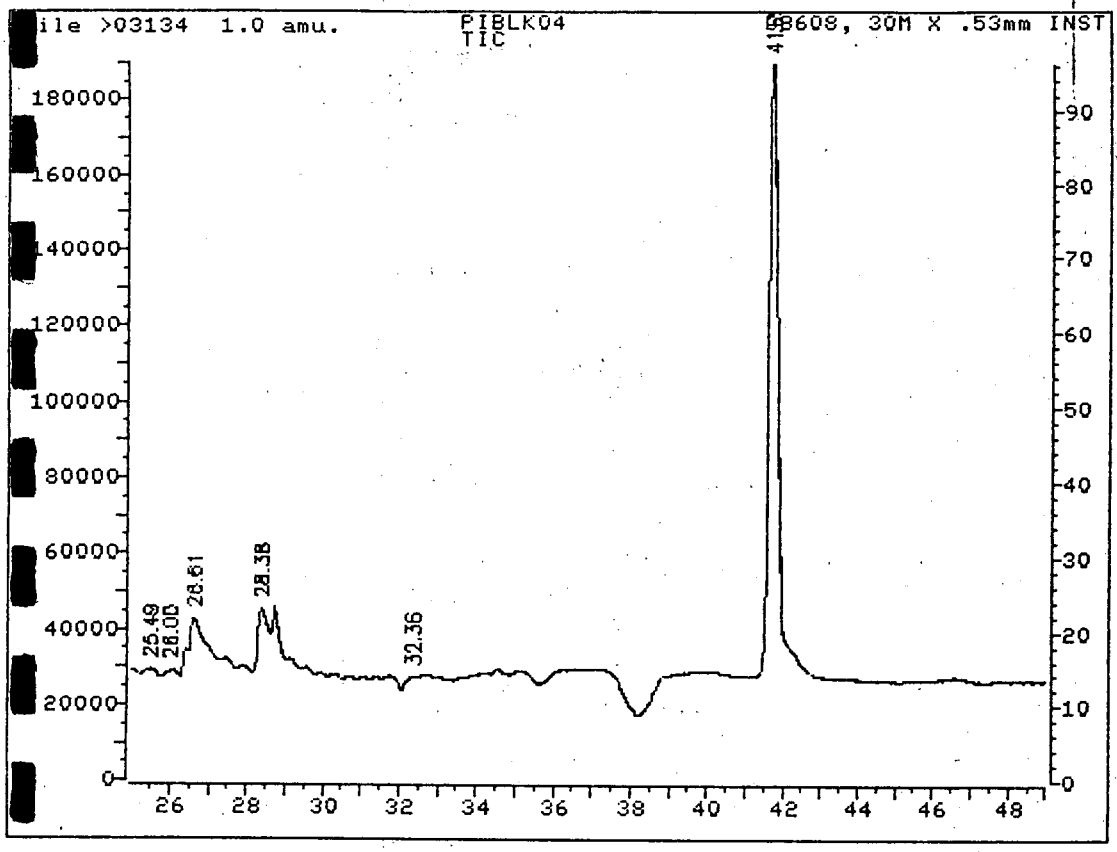
Page 2 of 2



MS data file header from : >03134::G3

Sample: PIBLK04 Operator: TRFIL 7/03/96 10:22
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 : >03134::G3

Sample: PIBLK04 Operator: TRFIL 7/03/96 10:22
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

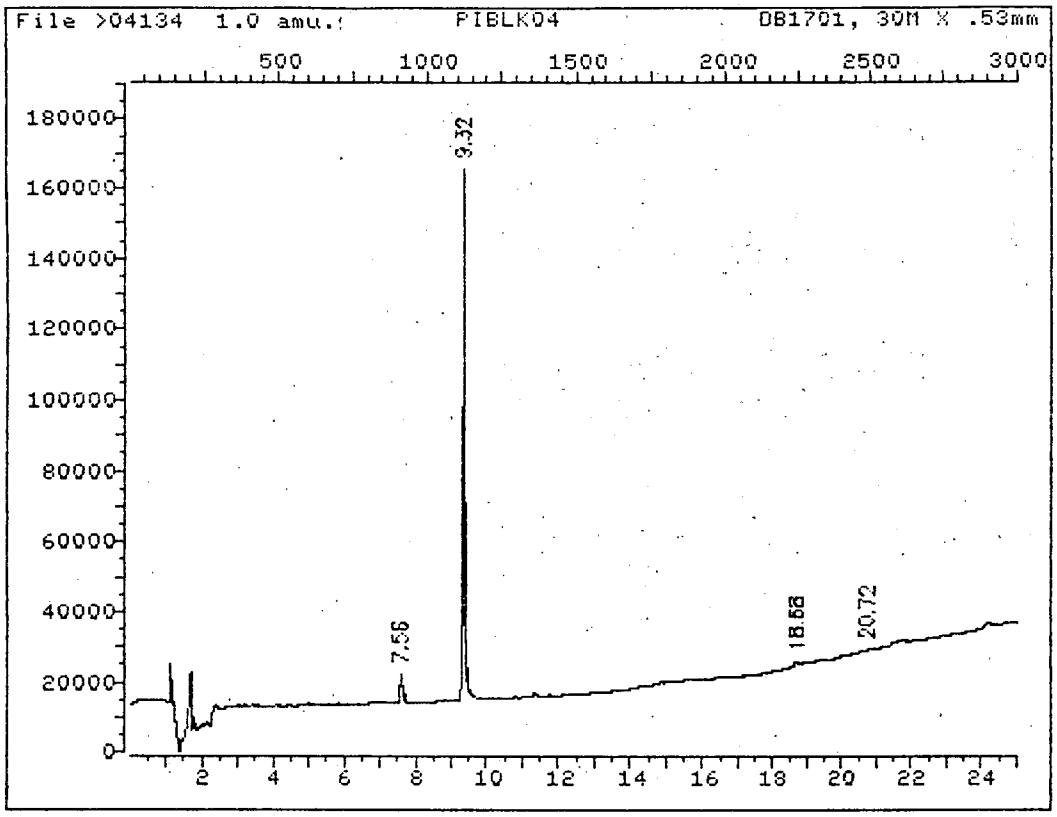
Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960708 12:32
Output File: ^04134::F3
Injected at: 960703 10:22
Data File: >04134::G5
Dilution Factor: 1.00000
Name: PIBLK04
Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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
1)	#Tetrachloro-m-xylene	9.32	1118	838517	20.25	ng/ml	100
3)	~~#beta-BHC~~ NC	18.68	2242	11801	.449	ng/ml	100
8)	~~#Heptachlor epoxide~~ NC	20.72	2486	21908	.502	ng/ml	100
13)	~~#Endosulfan I~~ INC	26.84	3221	17292	.483	ng/ml	100
14)	~~#4,4'-DDD~~ NC	26.58	3189	23169	1.10	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.97	3716	98508	7.32	ng/ml	100
19)	#Decachlorobiphenyl	38.73	4647	975655	20.89	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.56	907	42480	53.72	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.56	907	42480	35.67	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.27	3392	47586	66.02	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.68	2242	11801	5.73	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.68	2242	11801	4.79	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	28.27	3392	47586	26.81	ng/ml	100

Compound uses ESTD

7/16/96

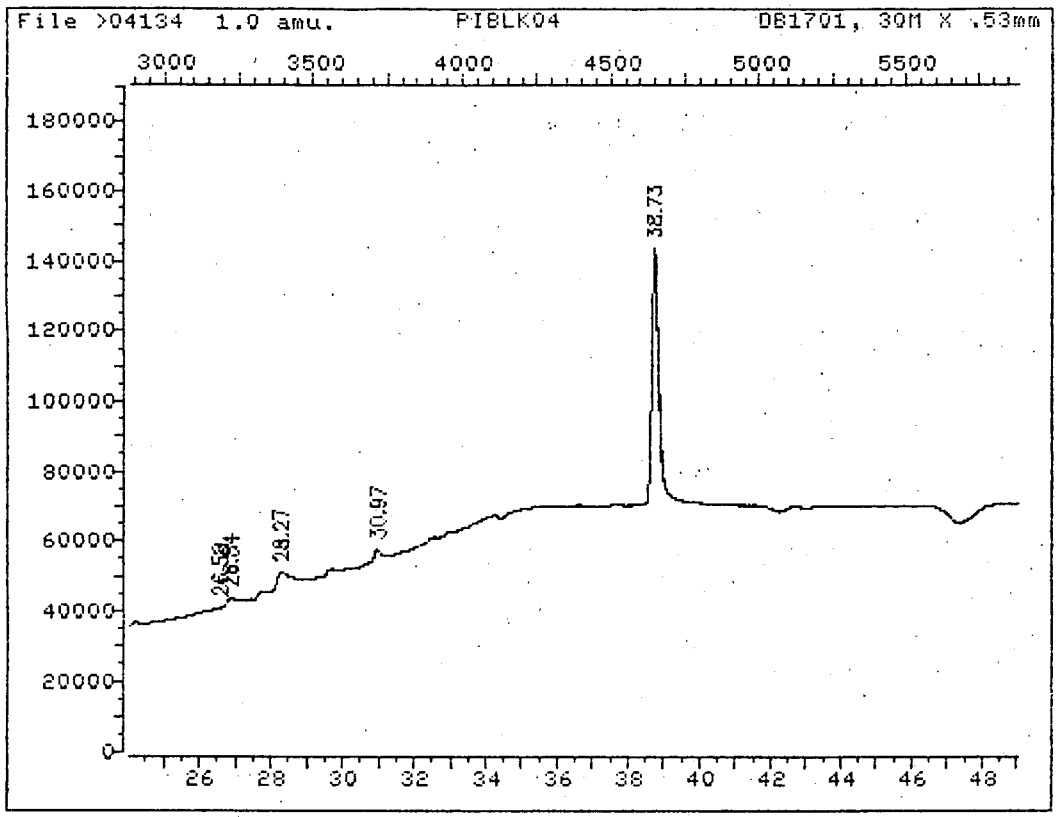


Data File: >04134::G5 Quant Output File: ^04134::F3
Name: PIBLK04 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960708 12:32
Injected at: 960703 10:22

Page 1 of 2

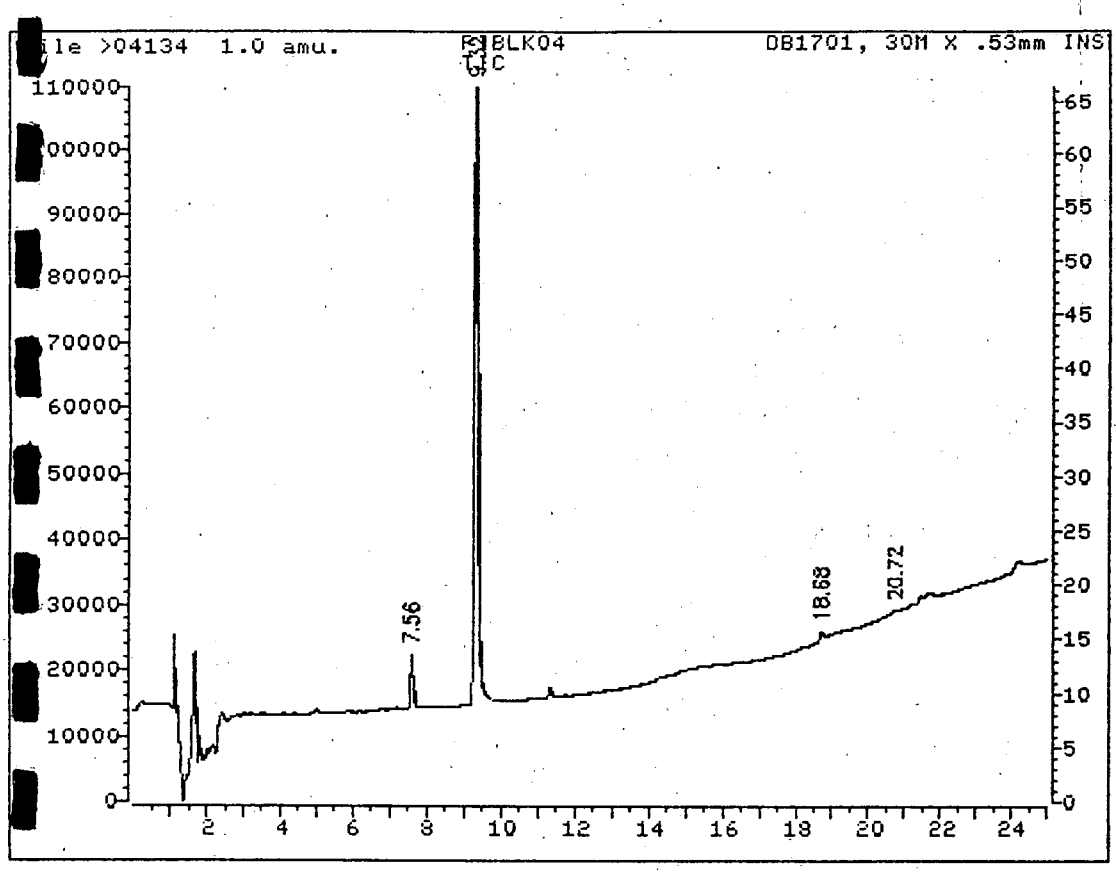


Data File: >04134::G5 Quant Output File: ^04134::F3
Name: PIBLK04 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960708 12:32
Injected at: 960703 10:22

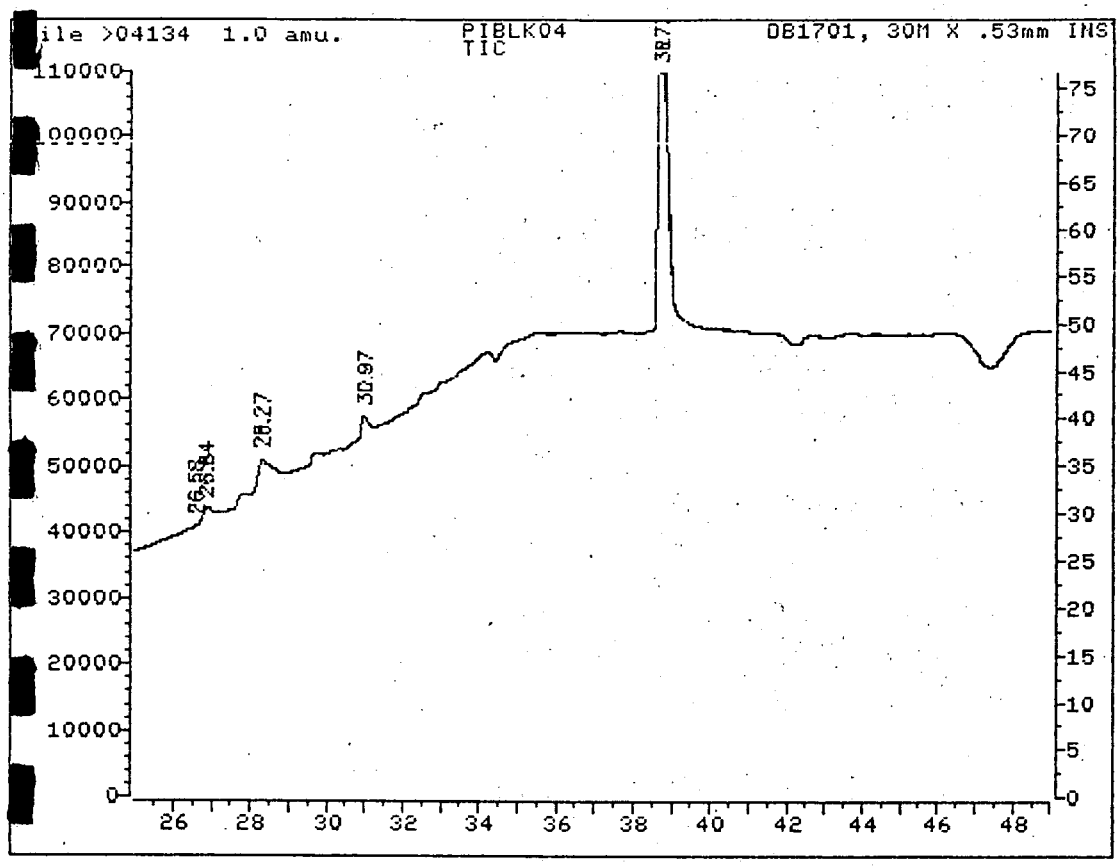
Page 2 of 2



MS data file header from : >04134::G5

Sample: PIBLK04 Operator: TRFIL 7/03/96 10:22
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 : >04134::G5

Sample: PIBLK04 Operator: TRFIL 7/03/96 10:22
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.

PIBLK05

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK05

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03146

% 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: 07/04/96

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

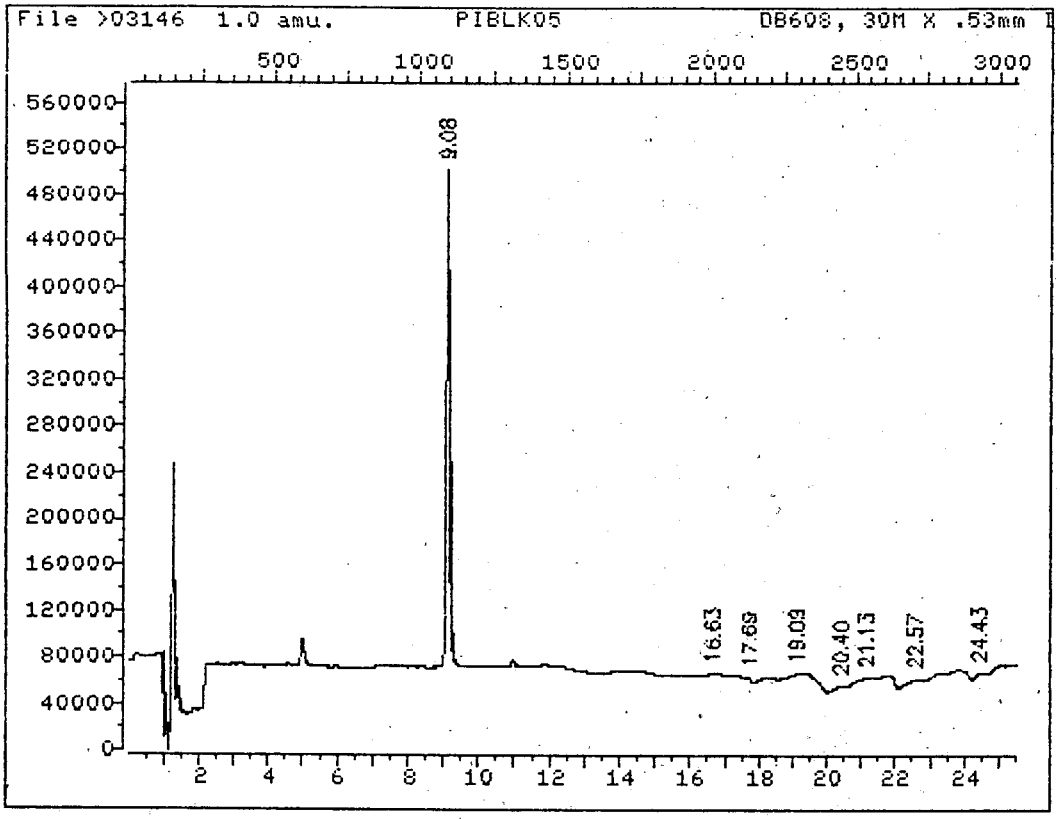
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960705 18:17
Output File: ^03146::F3 Injected at: 960703 00:16
Data File: >03146::G3 Dilution Factor: 1.00000
Name: PIBLK05 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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	9.08	1090	2474318	19.77	ng/ml	100
~~4)~~	~~#delta-BHC~~ OW	16.63	1996	13207	.109	ng/ml	100
15)	#Endosulfan Sulfate NC	28.39	3406	218358	2.46	ng/ml	100
19)	#Decachlorobiphenyl	41.69	5003	2170367	18.13	ng/ml	100
29)	#Aroclor-1260(1) NP	24.43	2931	94686	12.21	ng/ml	100
32)	#Toxaphene(3) NP	28.39	3406	218358	87.36	ng/ml	100
36)	#Aroclor-1016(4) NP	16.63	1996	13207	3.54	ng/ml	100
37)	#Aroclor-1016(5) NP	19.09	2291	12038	3.54	ng/ml	100
42)	#Aroclor-1232(4) NP	16.63	1996	13207	7.67	ng/ml	100
45)	#Aroclor-1242(4) NP	16.63	1996	13207	4.18	ng/ml	100
46)	#Aroclor-1242(5) NP	19.09	2291	12038	4.03	ng/ml	100
47)	#Aroclor-1248(2) NP	17.69	2123	25753	9.87	ng/ml	100
48)	#Aroclor-1248(3) NP	19.09	2291	12038	2.90	ng/ml	100
49)	#Aroclor-1248(4) NP	20.40	2448	82948	17.12	ng/ml	100
51)	#Aroclor-1254(2) NP	21.13	2536	135032	24.37	ng/ml	100
52)	#Aroclor-1254(3) NP	22.57	2708	157480	97.67	ng/ml	100
56)	#Aroclor-1260(3) NP	26.64	3196	468969	89.84	ng/ml	100
57)	#Aroclor-1260(4) NP	29.99	3598	30357	2.81	ng/ml	100

Compound uses ESTD

MJM 7/16/90

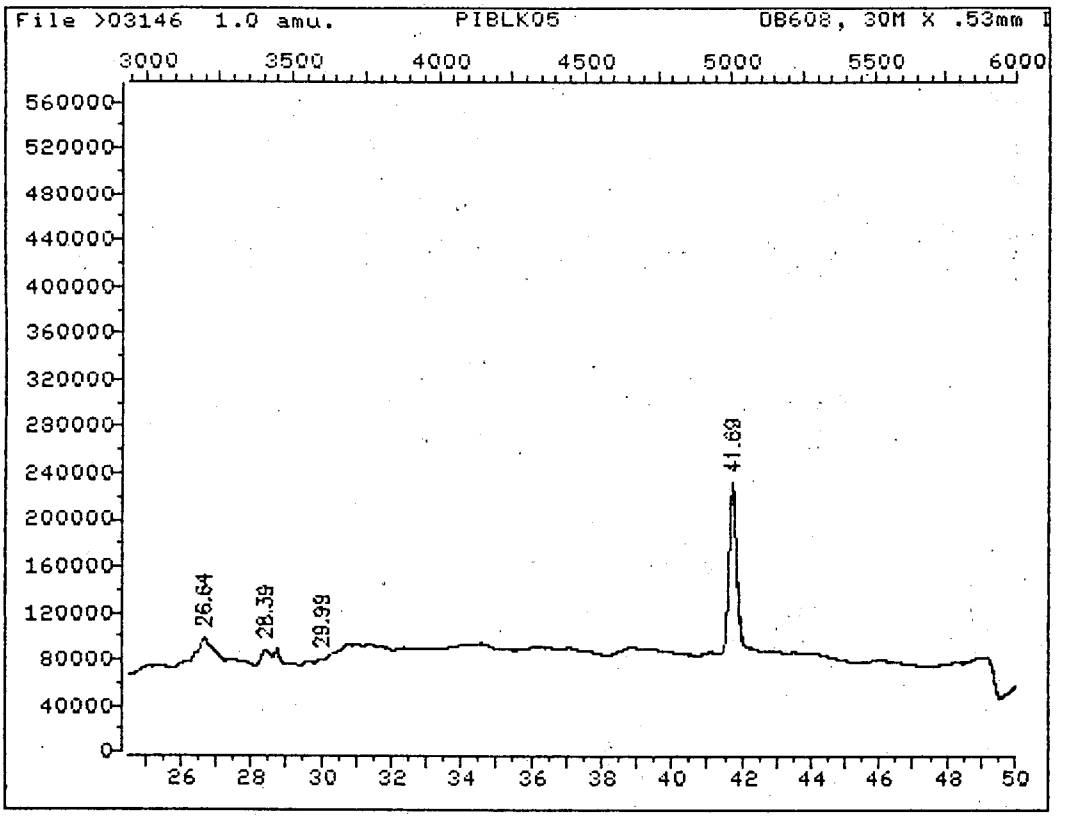


Data File: >03146::G3 Quant Output File: ^03146::F3
Name: PIBLK05 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 18:17
Injected at: 960703 00:16

Page 1 of 2

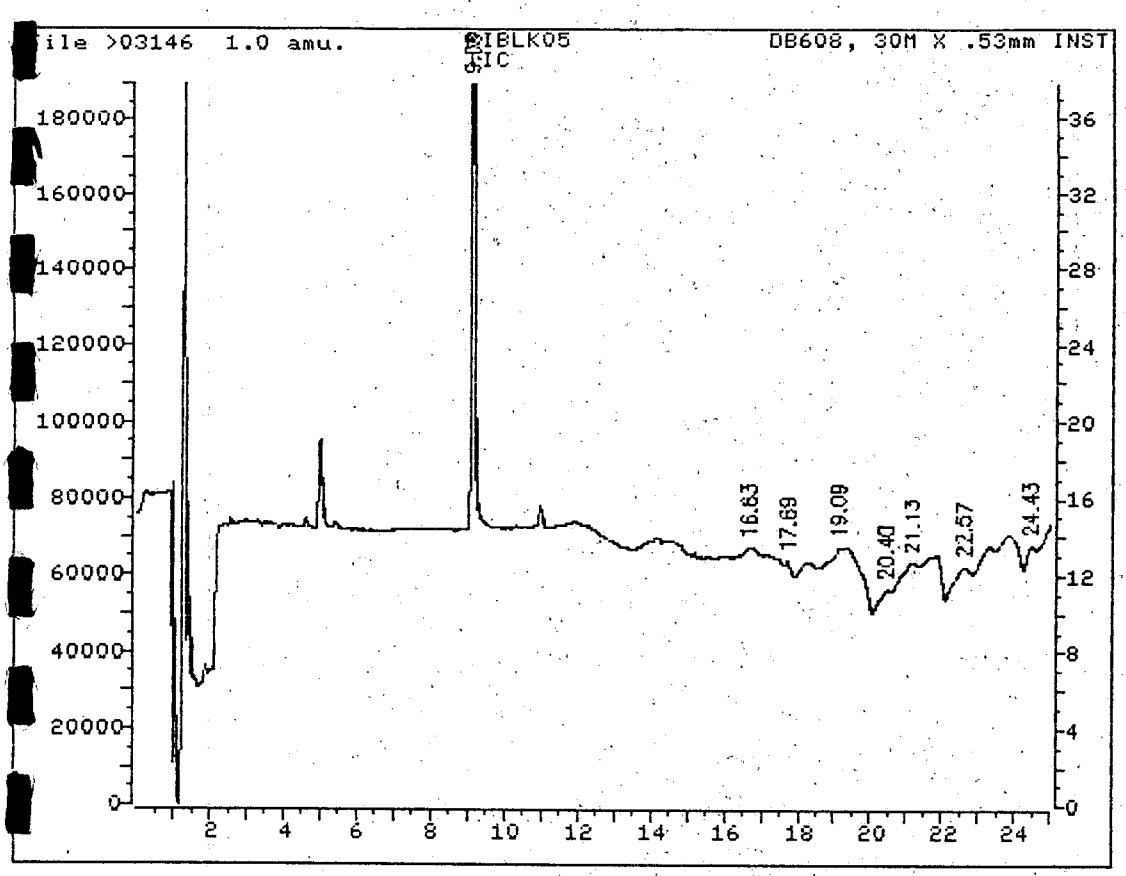


Data File: >03146::G3 Quant Output File: ^03146::F3
Name: PIBLK05 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 18:17
Injected at: 960703 00:16

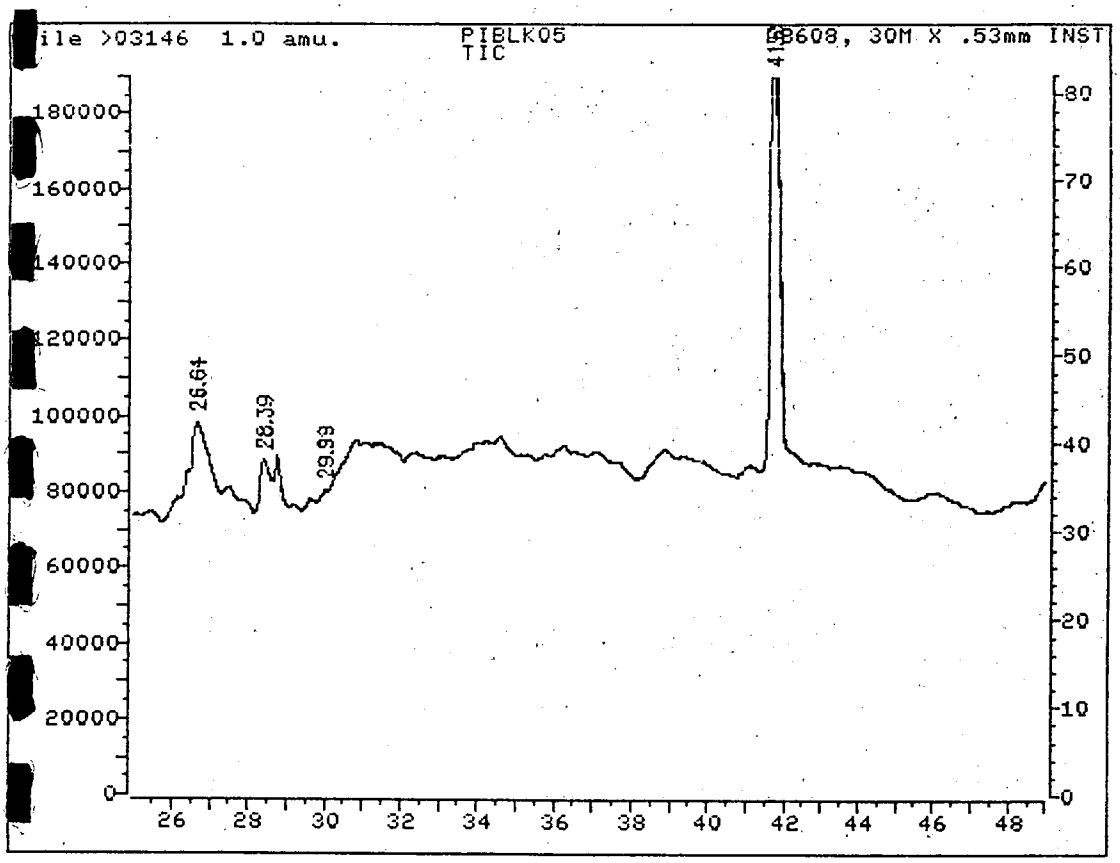
Page 2 of 2



MS data file header from : >03146::G3

Sample: PIBLK05 Operator: TRFIL 7/04/96 0:16
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 : >03146::G3

Sample: PIBLK05 Operator: TRFIL 7/04/96 0:16
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: ^04146::F3
Data File: >04146::G5
Name: PIBLK05
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

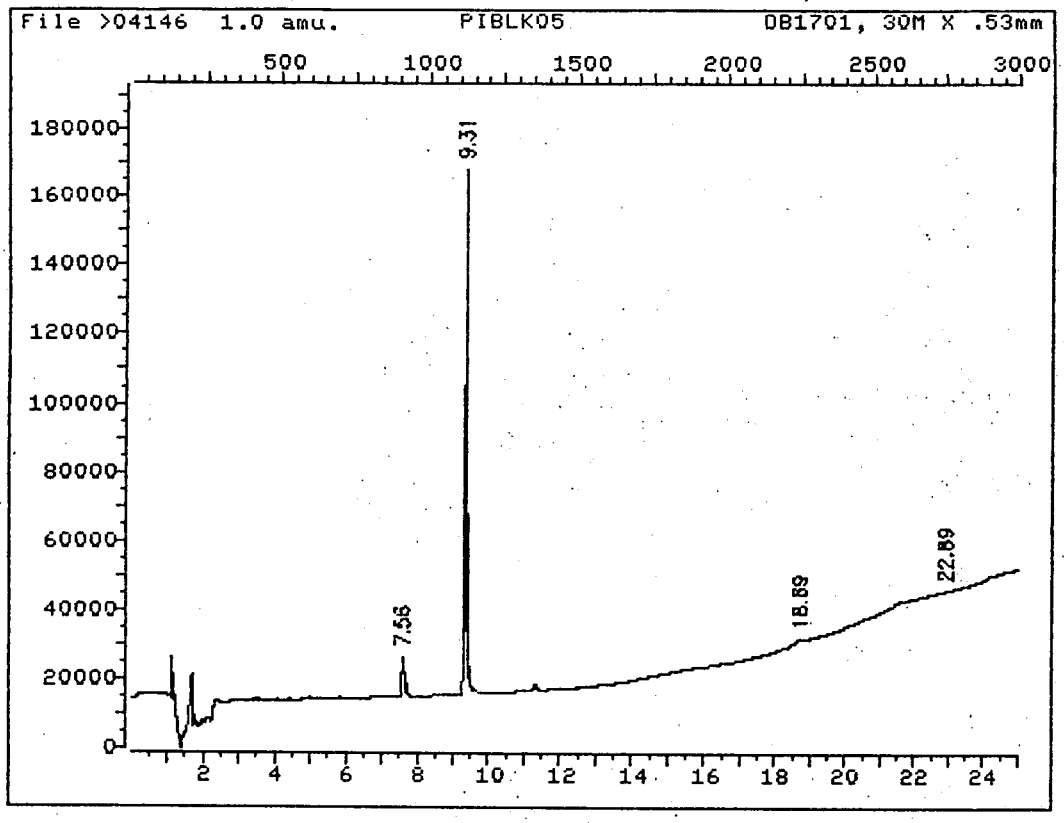
Quant Rev: 7
Quant Time: 960708 12:49
Injected at: 960703 00:16
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	822203	19.85	ng/ml	100
~~3)~~	~~#beta BHC~~ OW	18.69	2243	82078	3.12	ng/ml	100
11)	~~#4,4' DDE~~ OW	22.89	2747	37912	1.37	ng/ml	100
13)	~~#Endosulfan II~~ OW	26.87	3224	34159	.954	ng/ml	100
~~14)~~	~~#4,4'-DDD~~ OW	26.39	3167	15987	.757	ng/ml	100
17)	~~#Methoxychlor~~ OW	30.97	3716	91032	6.76	ng/ml	100
19)	#Decachlorobiphenyl	38.73	4647	908428	19.45	ng/ml	100
24)	#Aroclor-1221(1) NP	7.56	907	58367	73.80	ng/ml	100
25)	#Aroclor-1232(1) NP	7.56	907	58367	49.02	ng/ml	100
31)	#Toxaphene(2) NP	28.23	3387	21563	29.92	ng/ml	100
37)	#Aroclor-1016(5) NP	18.69	2243	91535	44.42	ng/ml	100
48)	#Aroclor-1248(3) NP	18.69	2243	91535	37.15	ng/ml	100
58)	#Aroclor-1260(5) NP	32.06	3847	78849	31.75	ng/ml	100

Compound uses ESTD

7/16/96

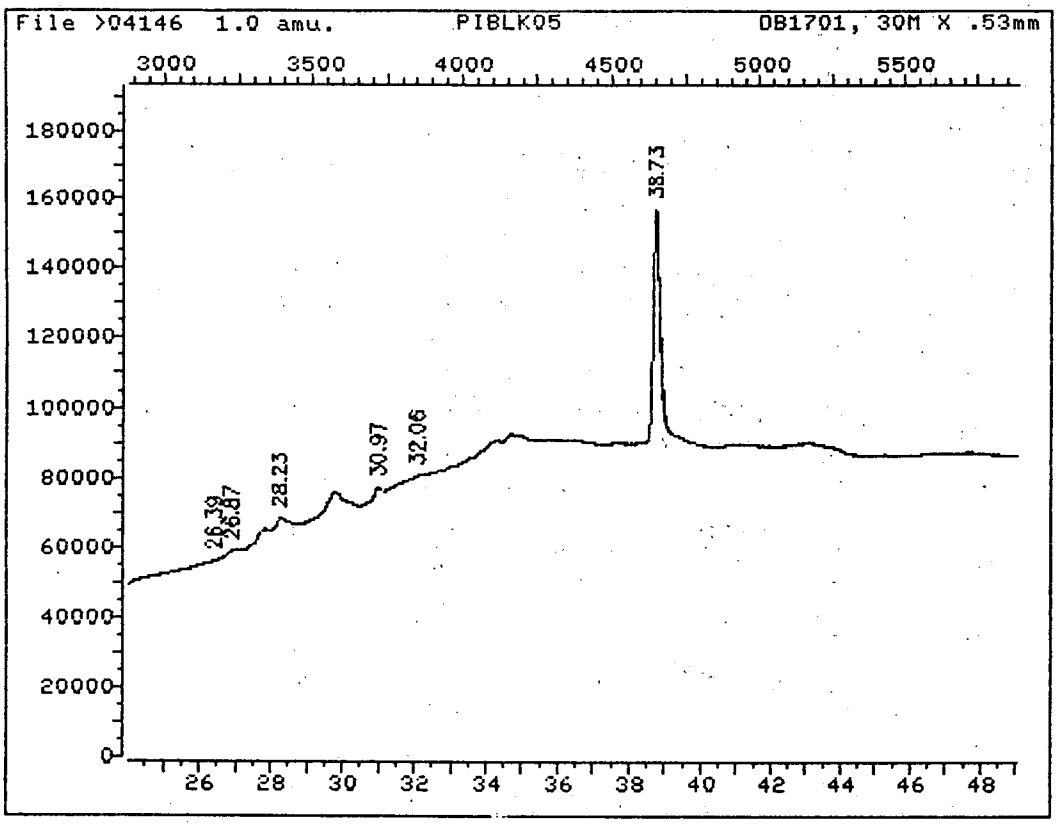


Data File: >04146::G5 Quant Output File: ^04146::F3
Name: PIBLK05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960708 12:49
Injected at: 960703 00:16

Page 1 of 2



Data File: >04146::G5 Quant Output File: ^04146::F3
Name: PIBLK05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960708 12:49
Injected at: 960703 00:16

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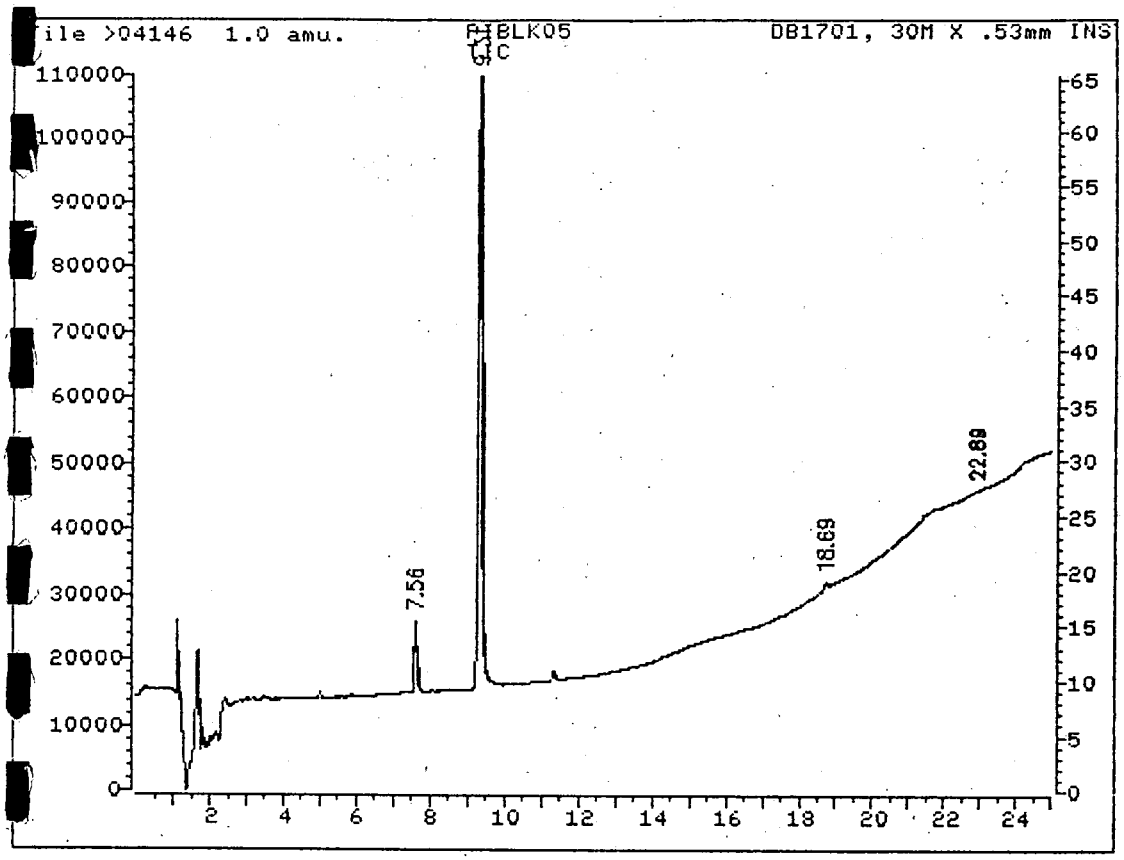
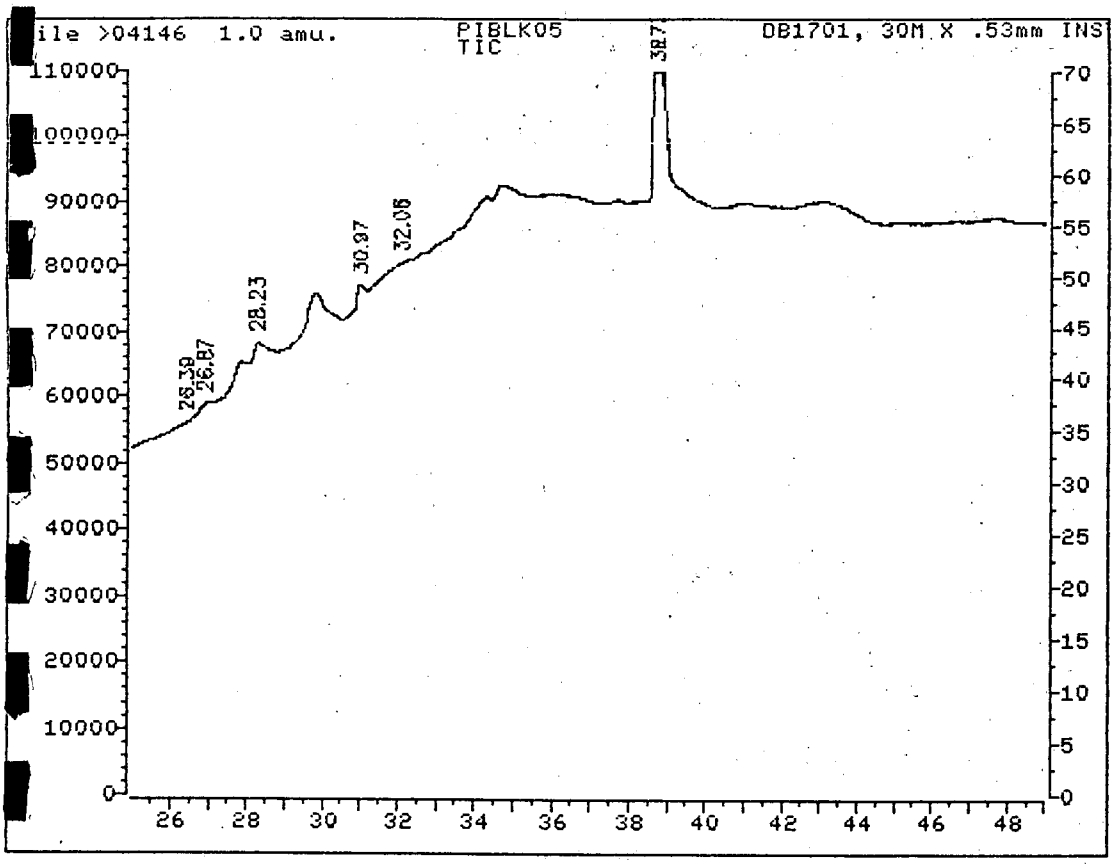


MS data file header from : >04146::G5

Sample: PIBLK05 Operator: TRFIL 7/04/96 0:16
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 : >04146::G5

Sample: PIBLK05 Operator: TRFIL 7/04/96 0:16
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.

PIBLK06

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK06

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03148

% 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: 07/06/96

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	.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

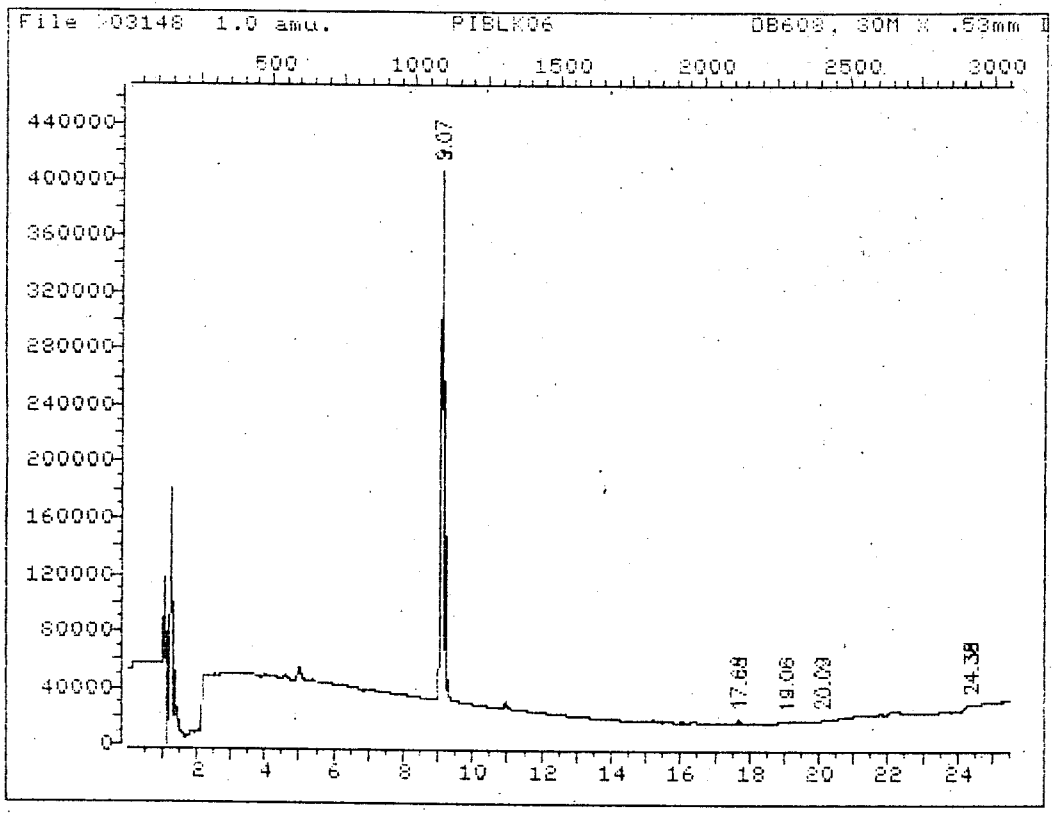
Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960706 12:34
Output File: ^03148::F3
Injected at: 960706 11:41
Data File: >03148::G3
Dilution Factor: 1.00000
Name: PIBLK06
Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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	9.07	1089	2169628	17.34	ng/ml	100
8)	~~#Heptachlor epoxide~~ NC	20.09	2411	9745	.0887	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.23	3387	159983	1.80	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	2206431	18.43	ng/ml	100
29)	~~#Aroclor 1260(1)~~ NP	24.38	2926	67275	8.68	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.23	3387	159983	64.01	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	30.49	3659	8381	4.35	ng/ml	100
37)	~~#Aroclor 1016(5)~~ NP	19.06	2287	6353	1.87	ng/ml	100
46)	~~#Aroclor 1242(5)~~ NP	19.06	2287	6353	2.13	ng/ml	100
47)	~~#Aroclor 1248~~(2) NP	17.68	2122	16030	6.15	ng/ml	100
48)	~~#Aroclor 1248(3)~~ NP	19.06	2287	6353	1.53	ng/ml	100
56)	~~#Aroclor 1260~~(3) NP	26.52	3182	32223	6.17	ng/ml	100
57)	~~#Aroclor 1260(4)~~ NP	30.19	3622	6717	.622	ng/ml	100

Compound uses ESTD

EPrui
7/8/96

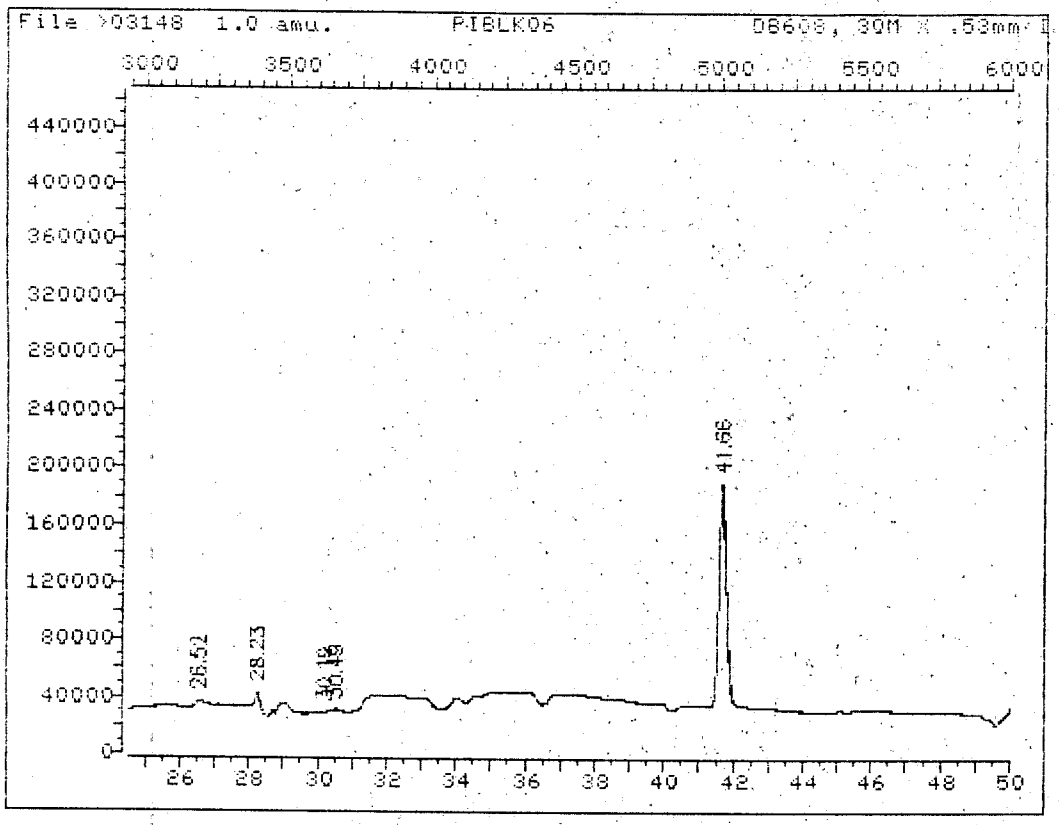


Data File: >03148::G3 Quant Output File: `03148::F3
Name: PIBLK06 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 12:34
Injected at: 960706 11:41

Page 1 of 2



Data File: >03148::G3 Quant Output File: ^03148::F3
Name: PIBLK06 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 12:34
Injected at: 960706 11:41

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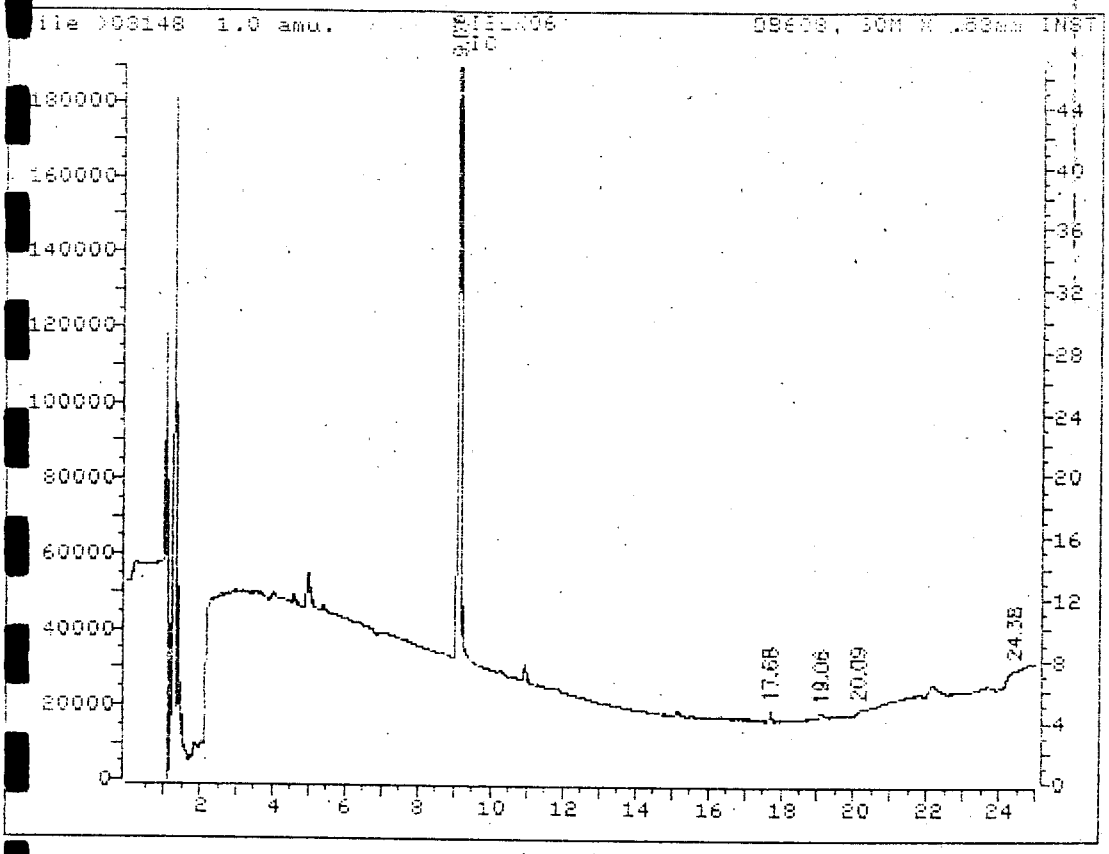
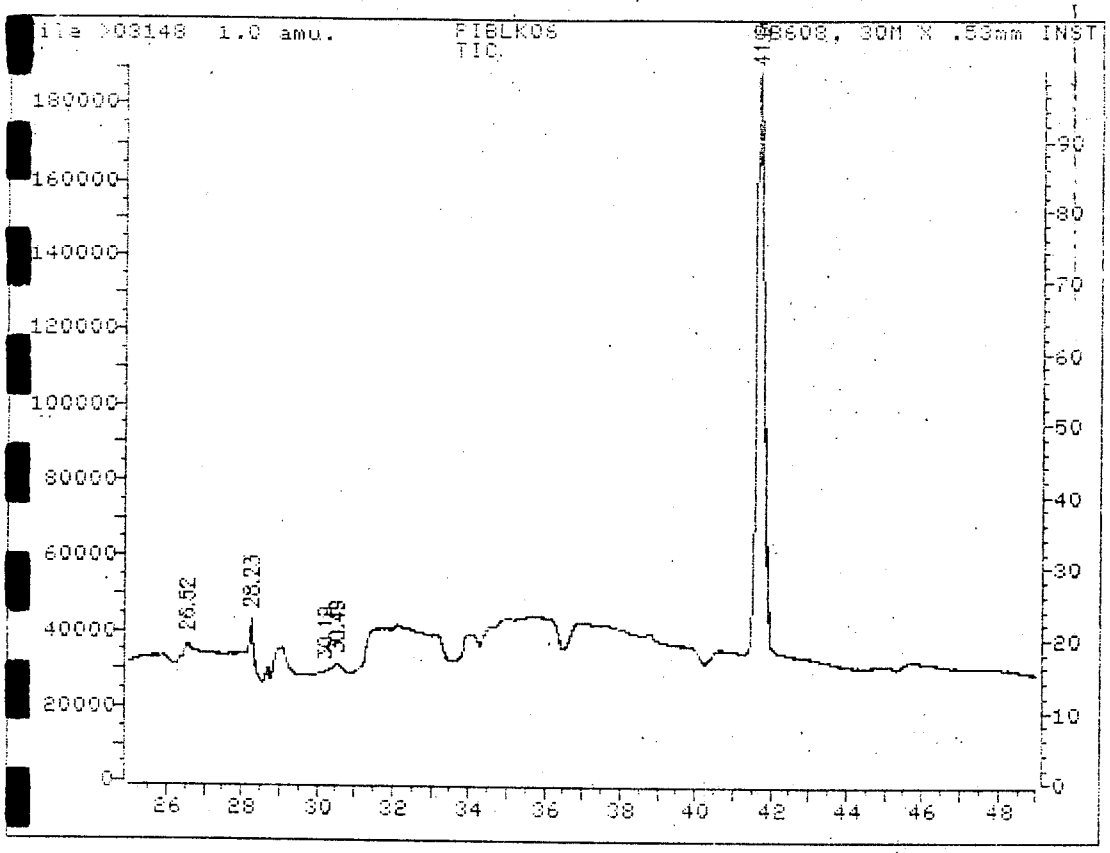


MS data file header from : >03148::G3

Sample: PIBLK06 Operator: TRFIL 7/06/96 11:41
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 : >03148::G3

Sample: PIBLK06 Operator: TRFIL 7/06/96 11:41
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: ^04148::F3
Data File: >04148::65
Name: PIBLK06
Misc: DB1701. 30M X .53mm INST 58903. 1ul INJ

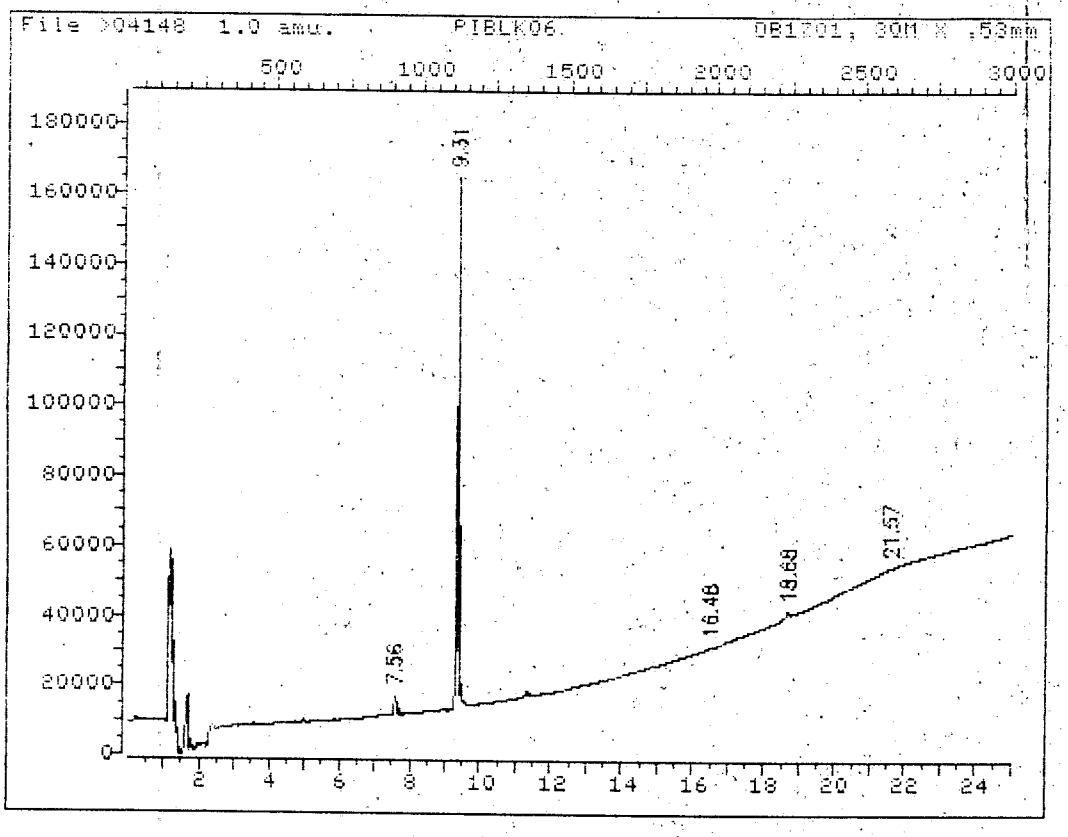
Quant Rev: 7
Quant Time: 960706 12:32
Injected at: 960706 11:41
Dilution Factor: 1.00000
Instrument ID: GC04

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	816333	19.71	ng/ml	100
3)	~~#beta-BHC~~ NC	18.68	2241	97422	3.71	ng/ml	100
6)	~~#Heptachlor~~ NC	16.48	1978	76744	1.62	ng/ml	100
9)	~~#Endosulfan~~ I NC	21.57	2588	39512	1.11	ng/ml	100
15)	~~#Endosulfan Sulfate~~ OW	30.46	3655	16823	.636	ng/ml	100
16)	~~#4,4'-DDT~~ NC	27.42	3290	5741	.348	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.87	3704	16739	1.24	ng/ml	100
19)	#Decachlorobiphenyl	38.69	4643	900656	19.29	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.56	907	29659	37.50	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.56	907	29659	24.91	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	30.46	3655	15839	32.14	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.72	3806	10782	21.49	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.48	1978	43046	29.56	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.68	2241	109254	53.02	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.48	1978	43046	37.66	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.68	2241	109254	44.35	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	29.89	3587	6289	1.60	ng/ml	100

Compound uses ESTD

EPua
7/8/96



Data File: >04148::G5 Quant Output File: ^04148::F3
Name: PIBLK06 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 12:32
Injected at: 960706 11:41

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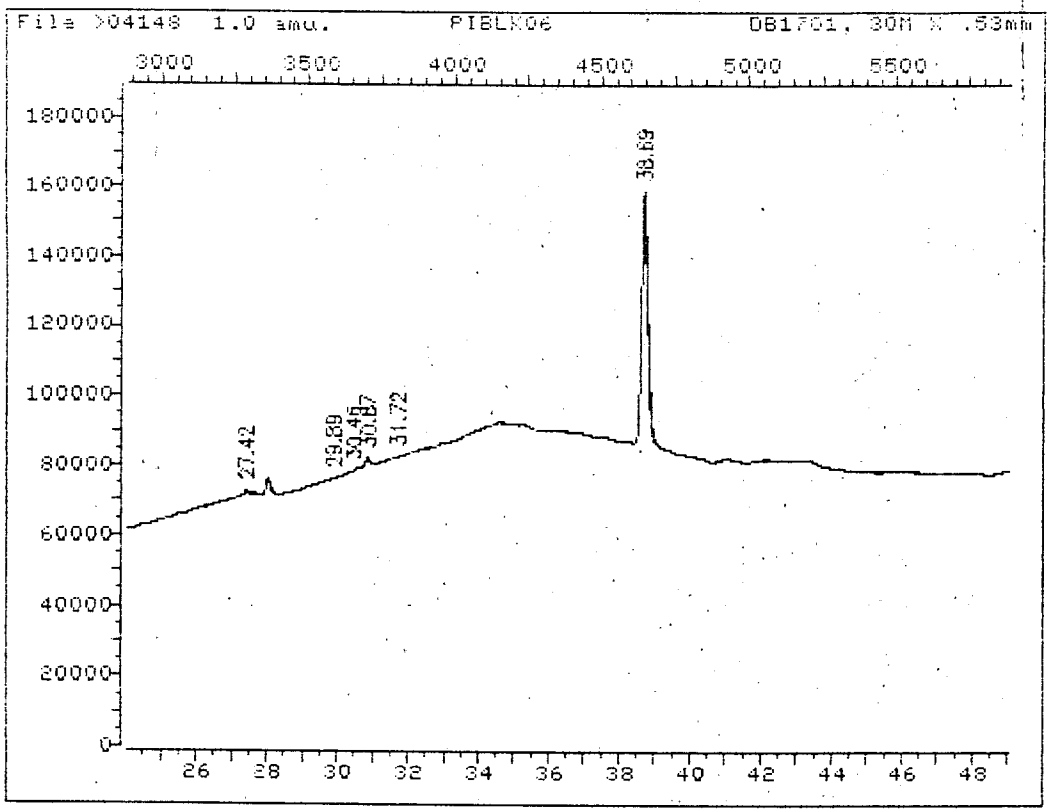

Data File: >04148::G5 Quant Output File: ^04148::F3
Name: PIBLK06 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 12:32
Injected at: 960706 11:41

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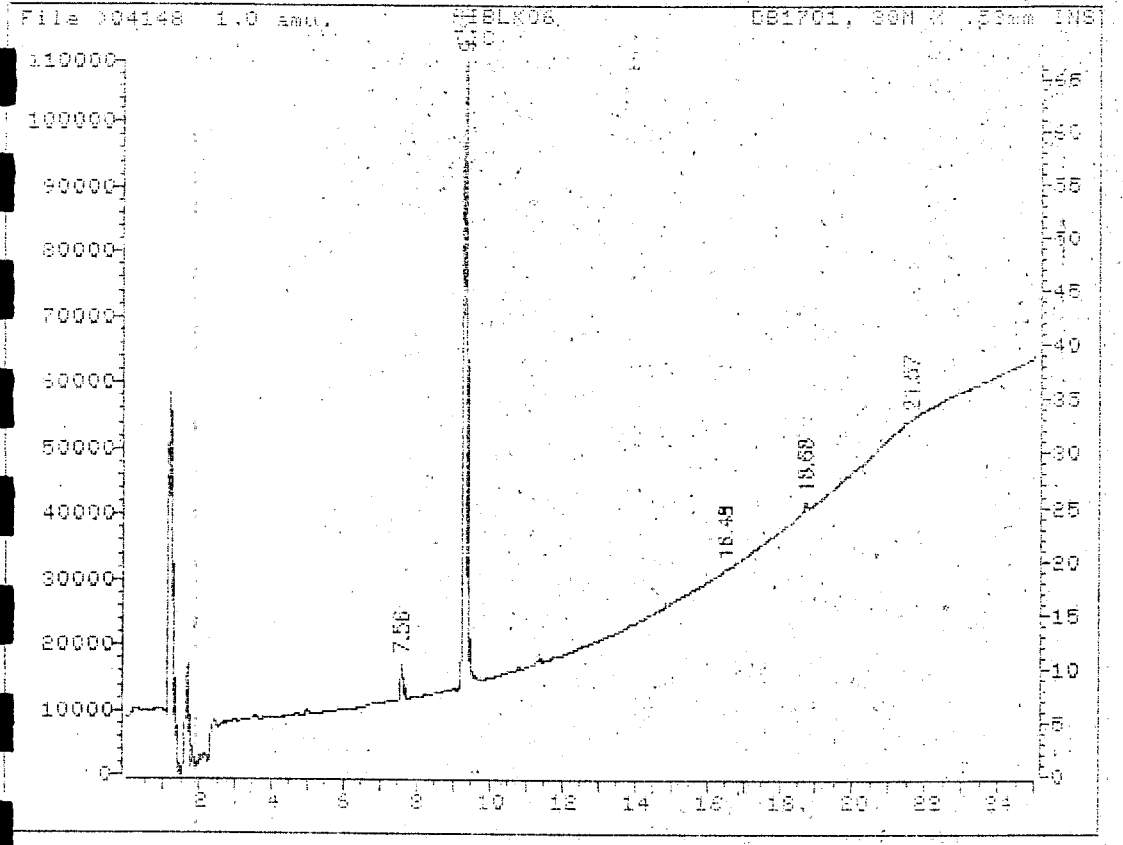
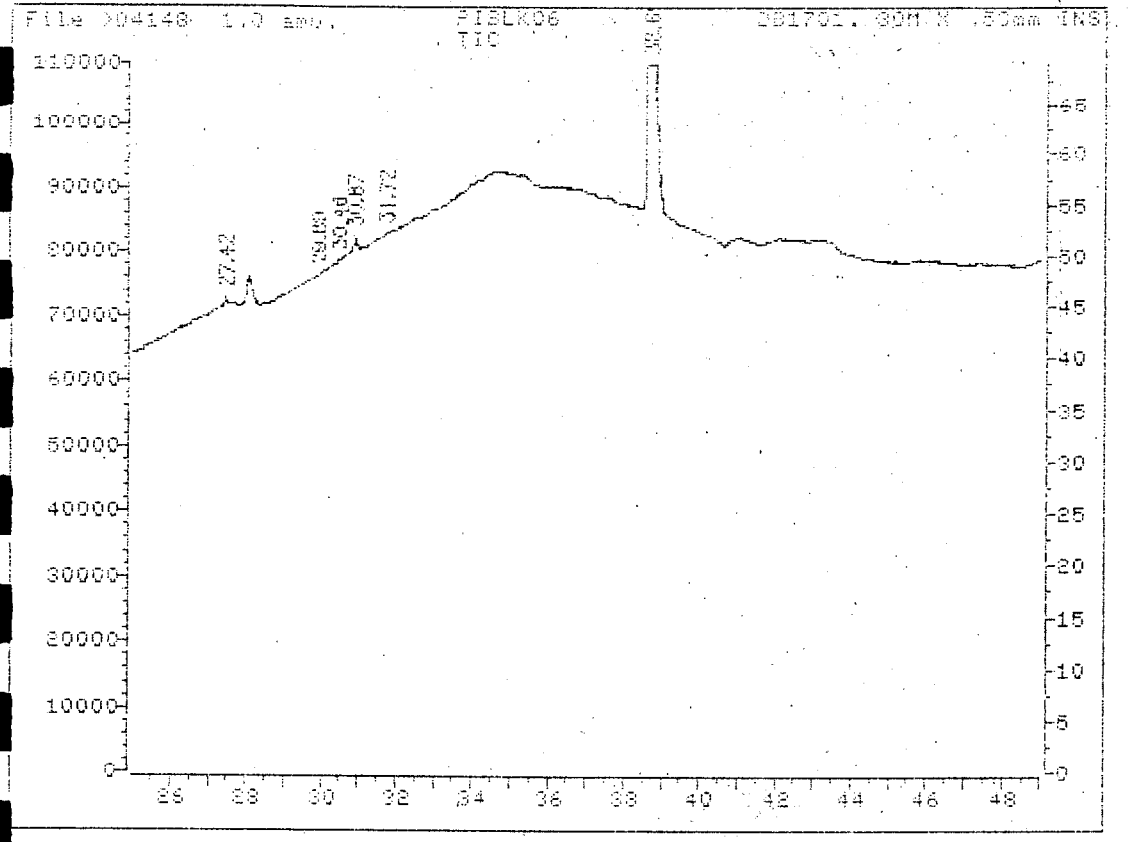


MS data file header from : >04148::65

Sample: PIBLK06 Operator: TRFIL 7/06/96 11:41
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 : >04148::G5

Sample: PIBLK06 Operator: TRFIL 7/06/96 11:41
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.

PIBLK07

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK07

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03158

% 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: 07/06/96

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	.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: TRFIL
Output File: ^03158::F3
Data File: >03158::G3
Name: PIBLK07
Misc: DB608. 30M X .53mm INST 58903. 1ul INJ

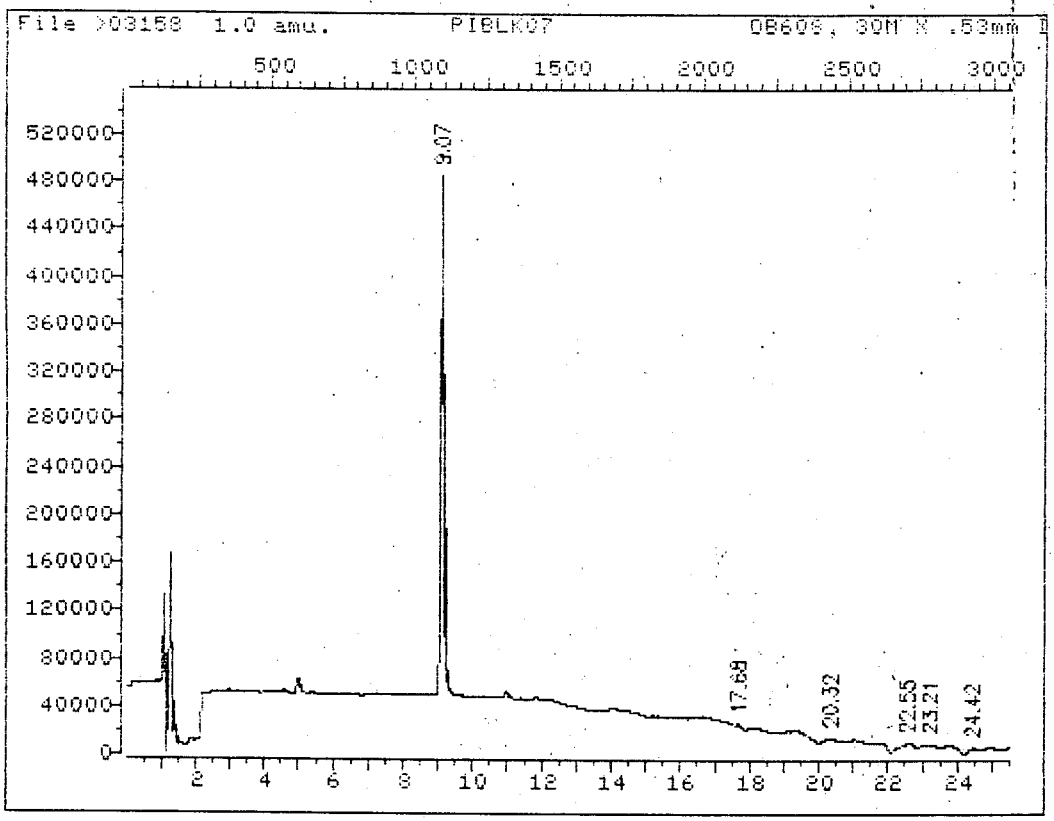
Quant Rev: 7
Quant Time: 960706 22:04
Injected at: 960706 21:11
Dilution Factor: 1.00000
Instrument ID: GC03

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	2543002	20.32	ng/ml ✓	100
10)	~~#Dieldr~~in OW	23.21	2785	50238	.531	ng/ml	100
13)	~~#Endosulfan II~~ OW	26.00	3120	12674	.132	ng/ml	100
14)	~~#4,4'-DDD~~ OW	25.52	3062	38177	.663	ng/ml	100
15)	~~#Endosulfan Sulfate~~ OW	28.40	3408	160062	1.81	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	2489351	20.80	ng/ml ✓	100
29)	~~#Aroclor-1260(1)~~ UP	24.42	2930	81088	10.46	ng/ml	100
32)	~~#Toxaphene(3)~~ UP	28.40	3408	160062	64.04	ng/ml	100
47)	~~#Aroclor-1248(2)~~ UP	17.68	2122	32606	12.50	ng/ml	100
49)	~~#Aroclor-1248(4)~~ UP	20.32	2438	74650	15.41	ng/ml	100
52)	~~#Aroclor-1254(3)~~ UP	22.55	2706	112732	69.92	ng/ml	100
56)	~~#Aroclor-1260(3)~~ UP	26.65	3198	136849	26.22	ng/ml	100

Compound uses ESTD

EPuc
7/8/96



Data File: >03158::G3 Quant Output File: ^03158::F3
Name: PIBLK07 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 22:04
Injected at: 960706 21:11

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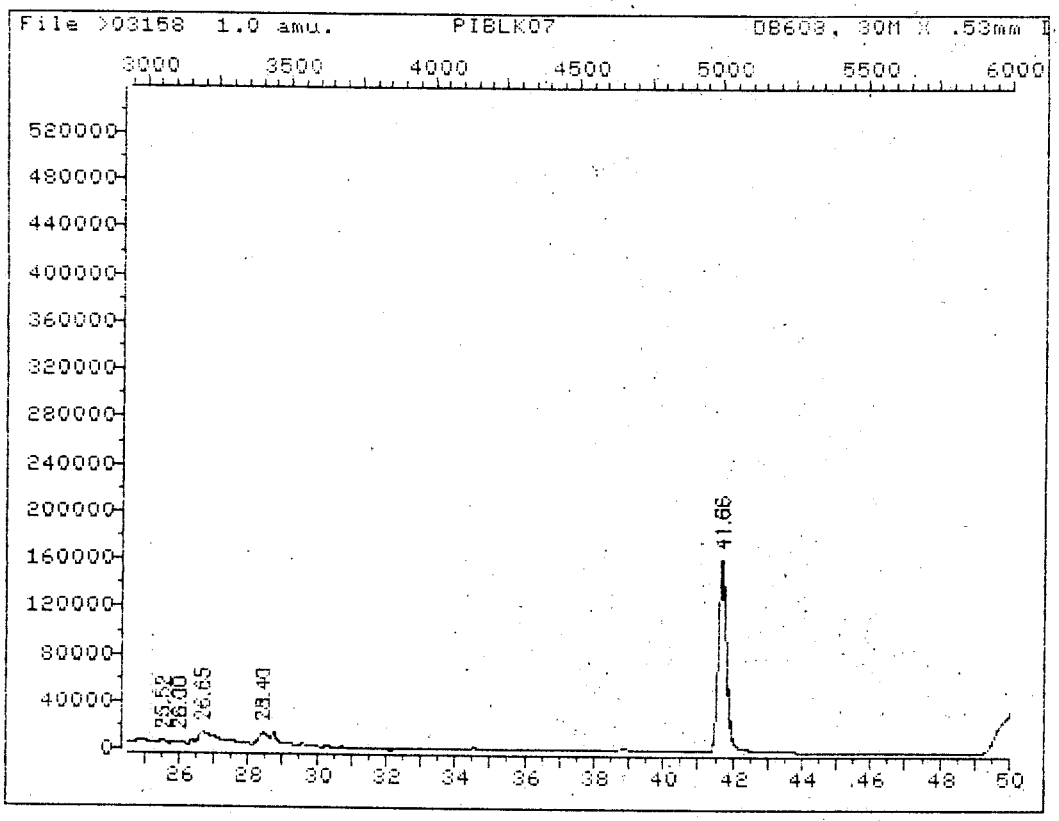

Data File: >03158::G3 Quant Output File: ^03158::F3
Name: PIBLK07 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 22:04
Injected at: 960706 21:11

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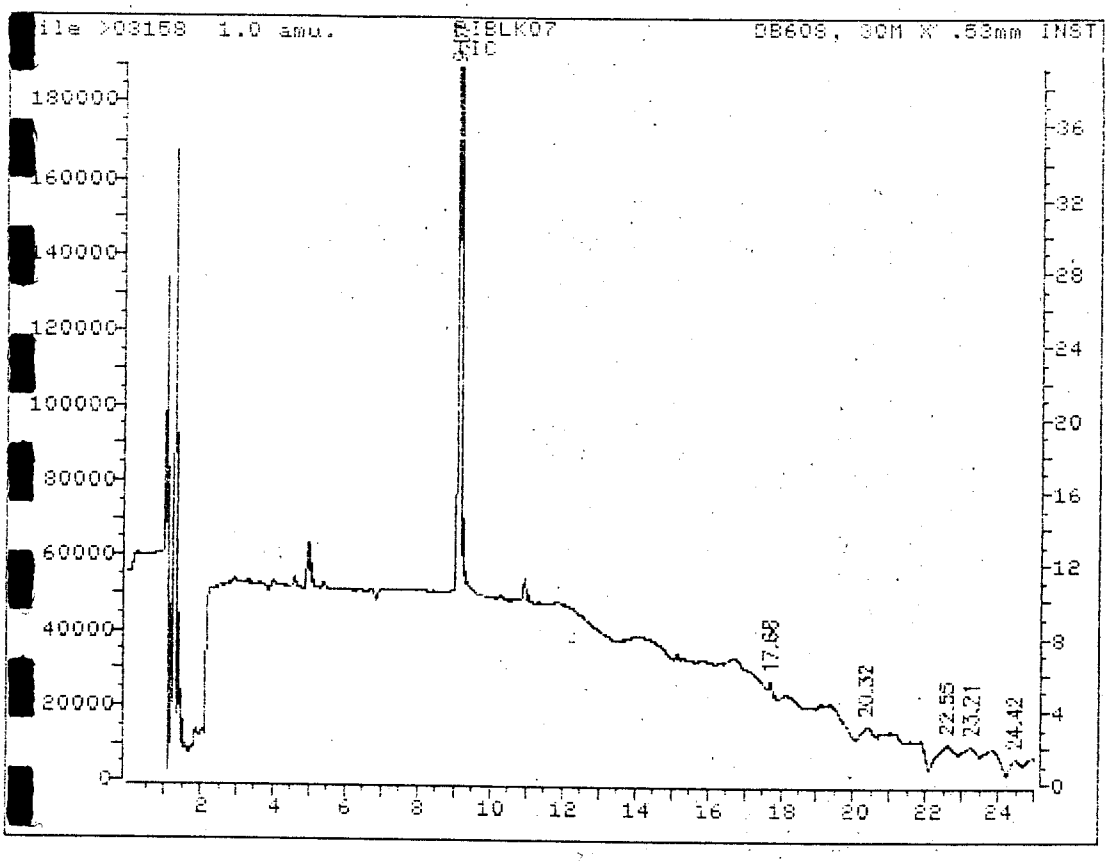
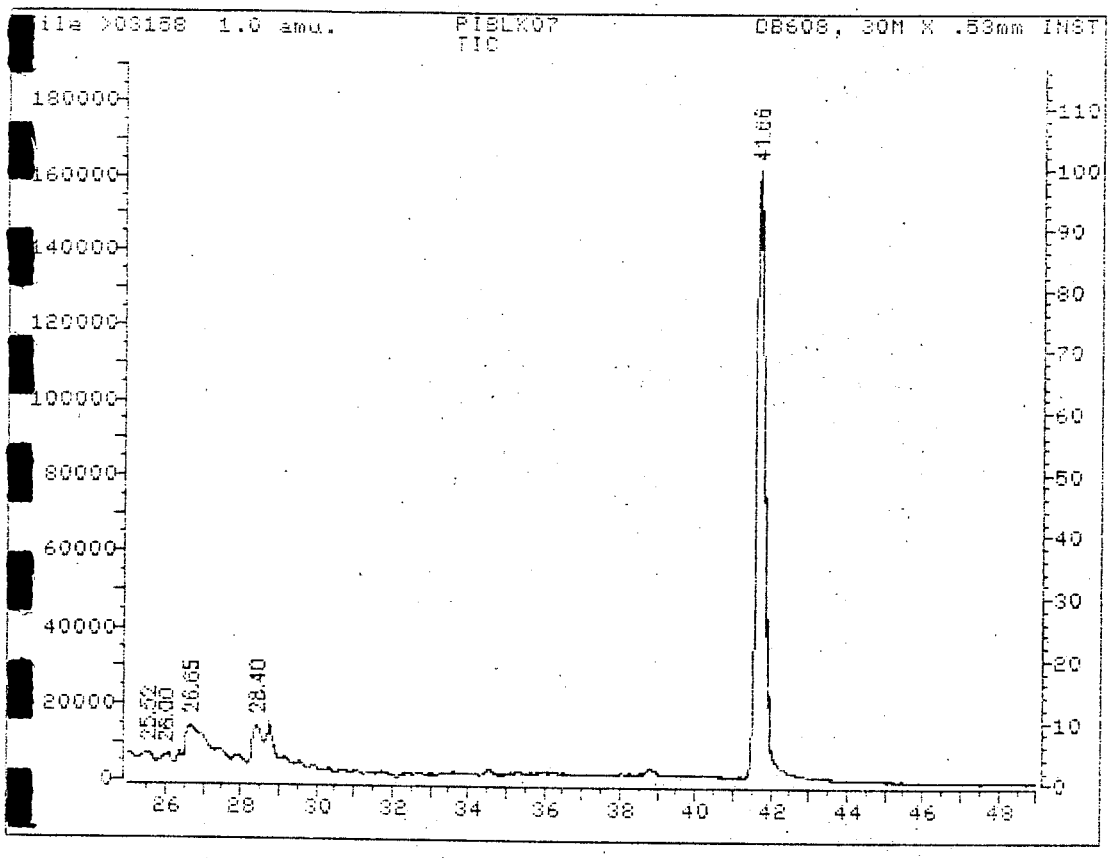


MS data file header from : >03158::G3

Sample: PIBLK07 Operator: TRFIL 7/06/96 21:11
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 : >03158::G3

Sample: PIBLK07 Operator: TRFIL 7/06/96 21:11
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: ^04158::F3
Data File: >04158::G5
Name: PIBLK07
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

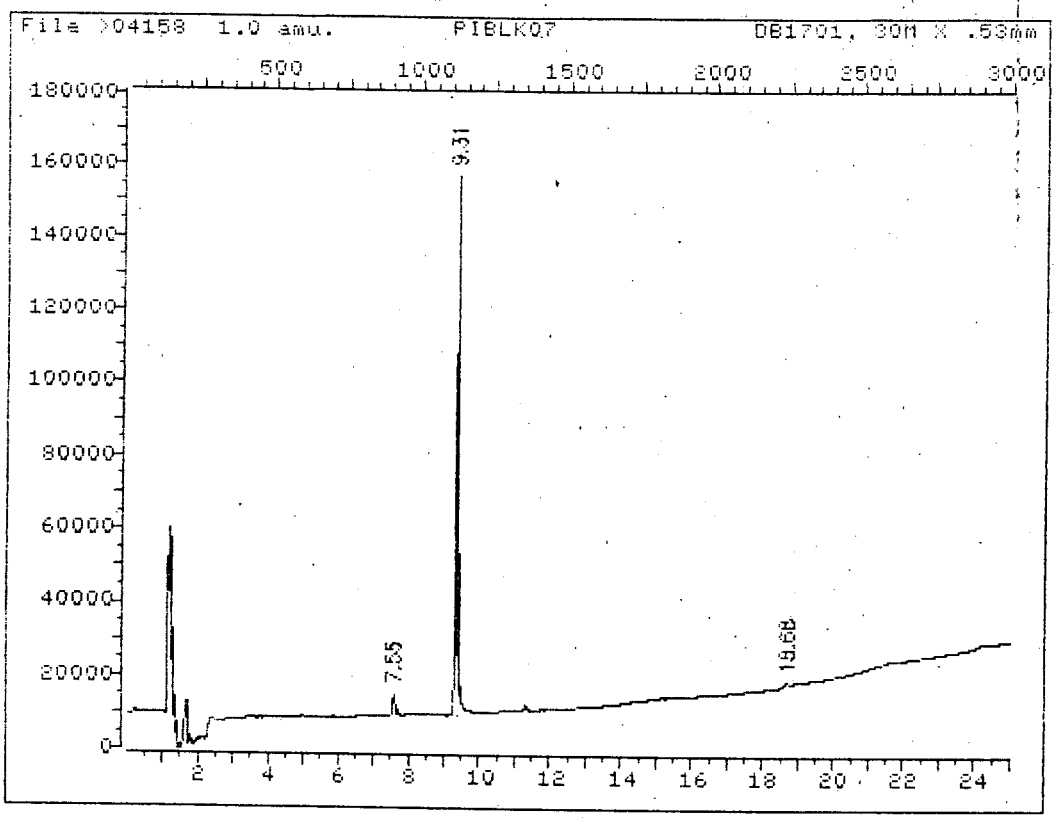
Quant Rev: 7
Quant Time: 960706 22:02
Injected at: 960706 21:11
Dilution Factor: 1.00000
Instrument ID: GC04

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	840387	20.29	ng/ml ✓	100
3)	#~~beta BHC~~ NC	18.68	2241	.7681	.292	ng/ml	100
13)	#~~Endosulfan I~~ I OW	26.87	3224	45277	1.27	ng/ml	100
17)	#~~Methoxychlor~~ OW	30.99	3718	81465	6.05	ng/ml	100
19)	#Decachlorobiphenyl	38.72	4646	948599	20.31	ng/ml ✓	100
22)	#~~Toxaphene(1)~~ NP	25.15	3018	7217	13.41	ng/ml	100
24)	#~~Aroclor 1221(1)~~ NP	7.55	906	31247	39.51	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	7.55	906	31247	26.24	ng/ml	100
37)	#~~Aroclor 1016(5)~~ NP	18.68	2241	7681	3.73	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	18.68	2241	7681	3.12	ng/ml	100

Compound uses ESTD

EPMc
7/8/96



Data File: >04158::G5 Quant Output File: ^04158::F3
Name: PIBLK07 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 Qual Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960706 22:02
Injected at: 960706 21:11

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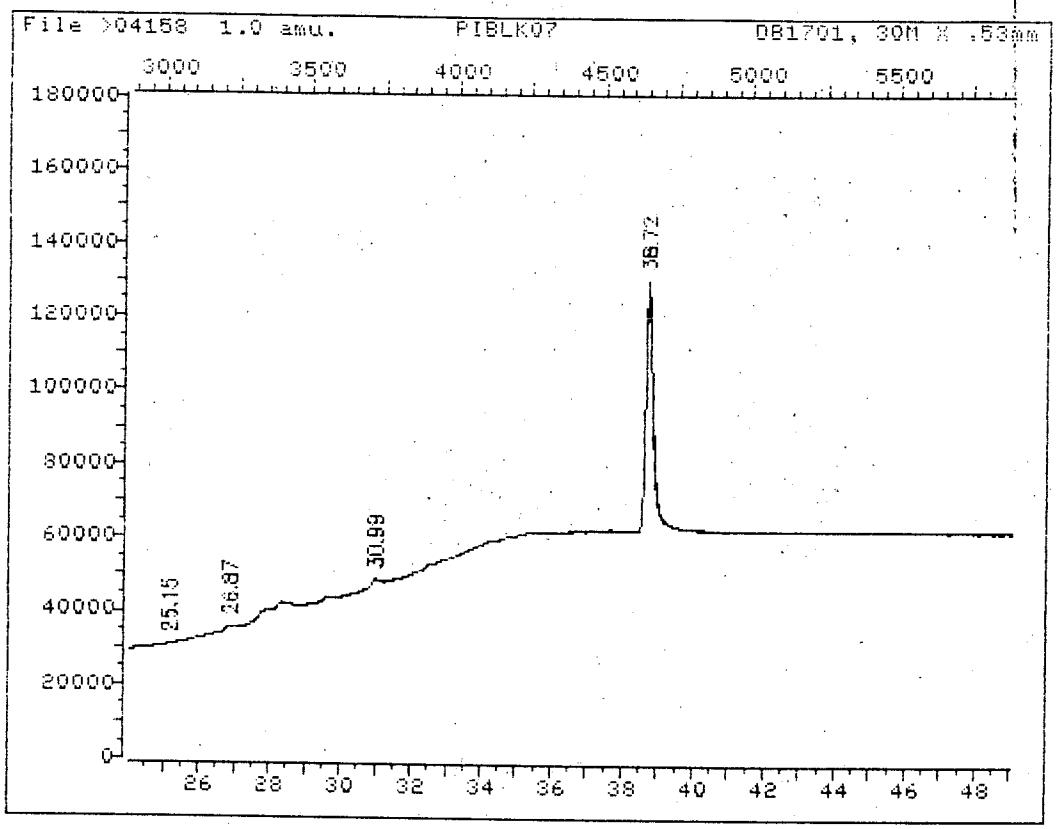

Data File: >04158::G5 Quant Output File: ^04158::F3
Name: PIBLK07 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 22:02
Injected at: 960706 21:11

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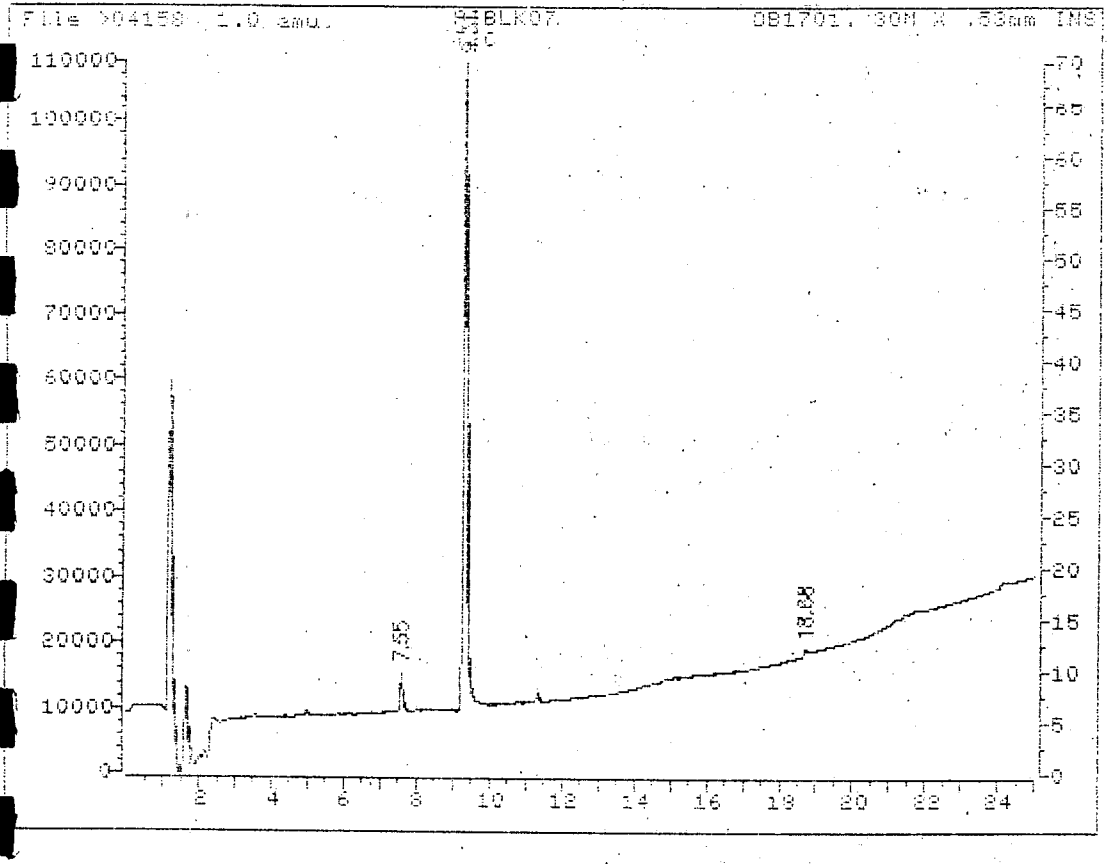
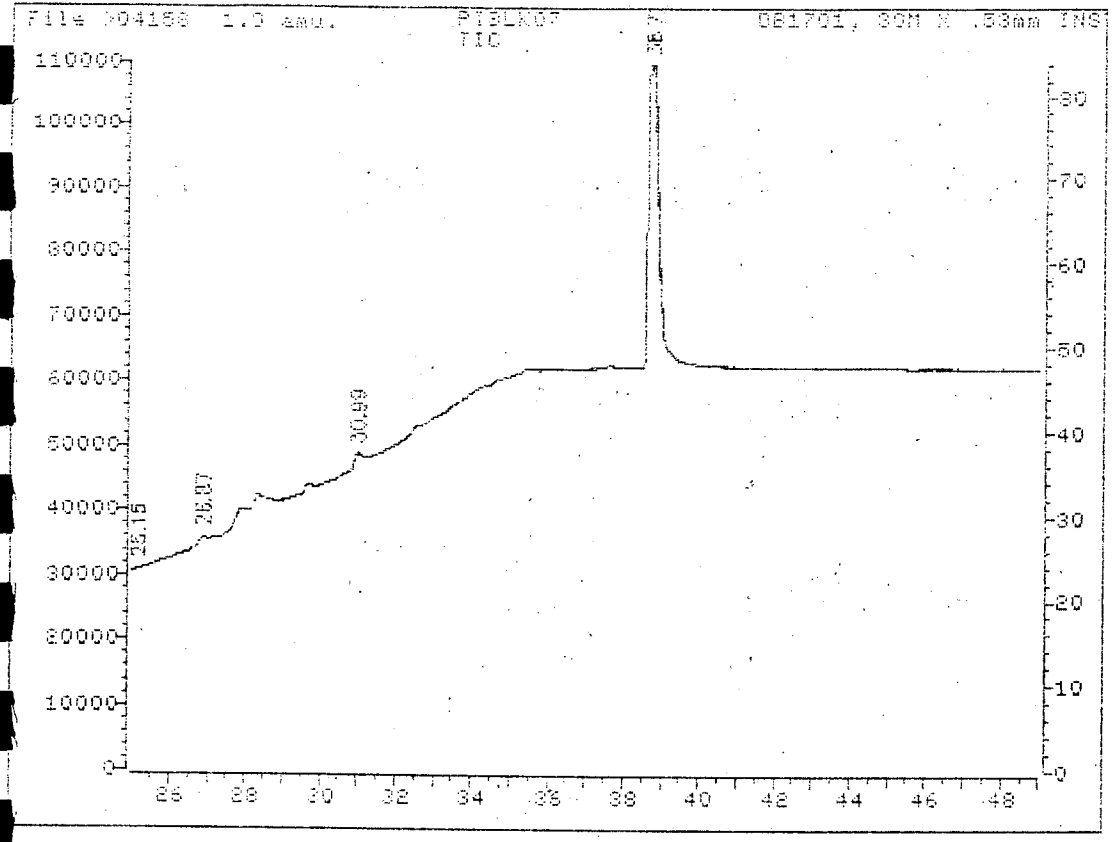


MS data file header from : >04158::G5

Sample: PIBLK07 Operator: TRFIL 7/06/96 21:11
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 : >04158::G5

Sample: PIBLK07 Operator: TRFIL 7/06/96 21:11
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.

PIBLK08

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK08

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03167

% 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: 07/07/96

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: TRFIL
Output File: ^03167::F3
Data File: >03167::G3
Name: PIBLK08
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960707 06:35
Injected at: 960707 05:41
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	2512668	20.08	ng/ml	100
3)	#~~beta-BHC~~ OW	14.63	1756	143891	1.75	ng/ml	100
10)	#~~Dieldrin~~ OW	23.21	2785	77270	.817	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	28.30	3396	42539	.480	ng/ml	100
18)	#~~Endrin ketone~~ NC	32.77	3932	473185	5.26	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	1907089	15.93	ng/ml	100
22)	#~~Toxaphene(1)~~ NP	23.57	2828	5969	3.72	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.46	2935	108617	14.01	ng/ml	100
30)	#~~Endrin aldehyde~~ NC	27.64	3317	308512	3.91	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	27.64	3317	308512	167.66	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.30	3396	42539	17.02	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	17.68	2122	27067	10.38	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.32	2438	682719	140.91	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.91	2629	108663	19.71	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.06	3607	219783	20.34	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.77	3932	367720	66.60	ng/ml	100

Compound uses ESTD

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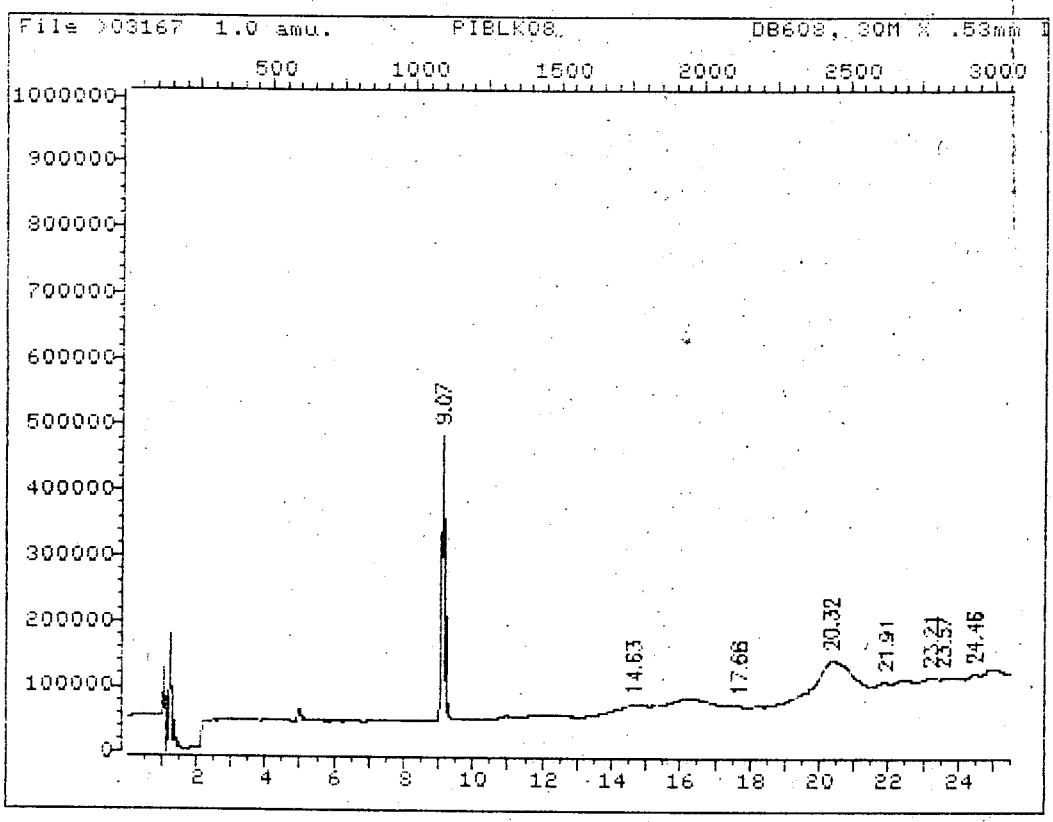
7/8/96

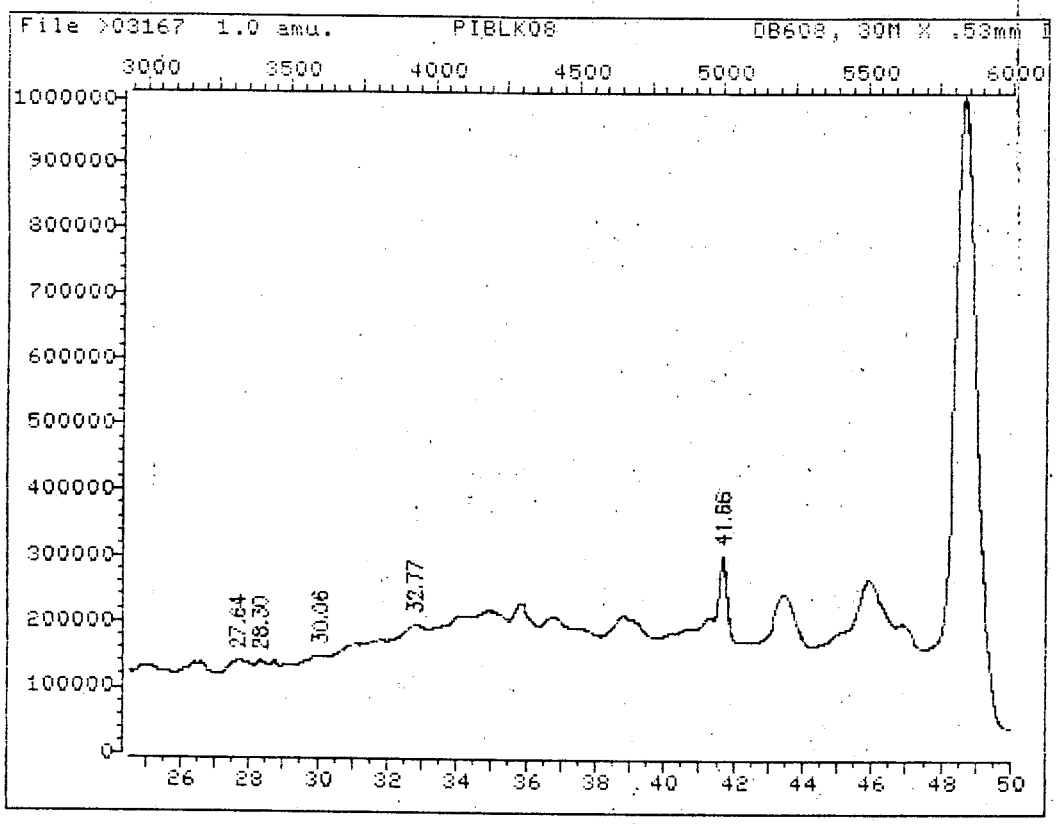


Data File: >03167::G3 Quant Output File: ^03167::F3
Name: PIBLK08 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 : 960707 06:35
Injected at: 960707 05:41

Page 1 of 2

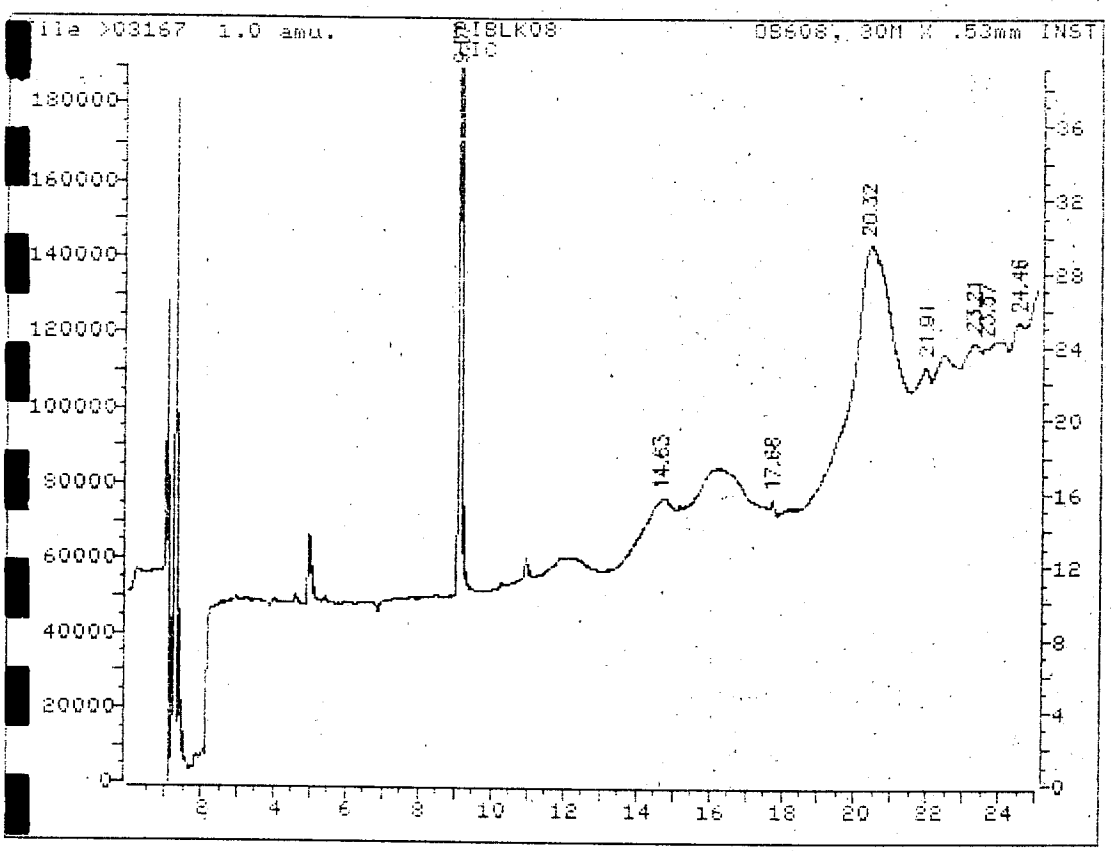


Data File: >03167::G3 Quant Output File: ^03167::F3
Name: PIBLK08 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 : 960707 06:35
Injected at: 960707 05:41

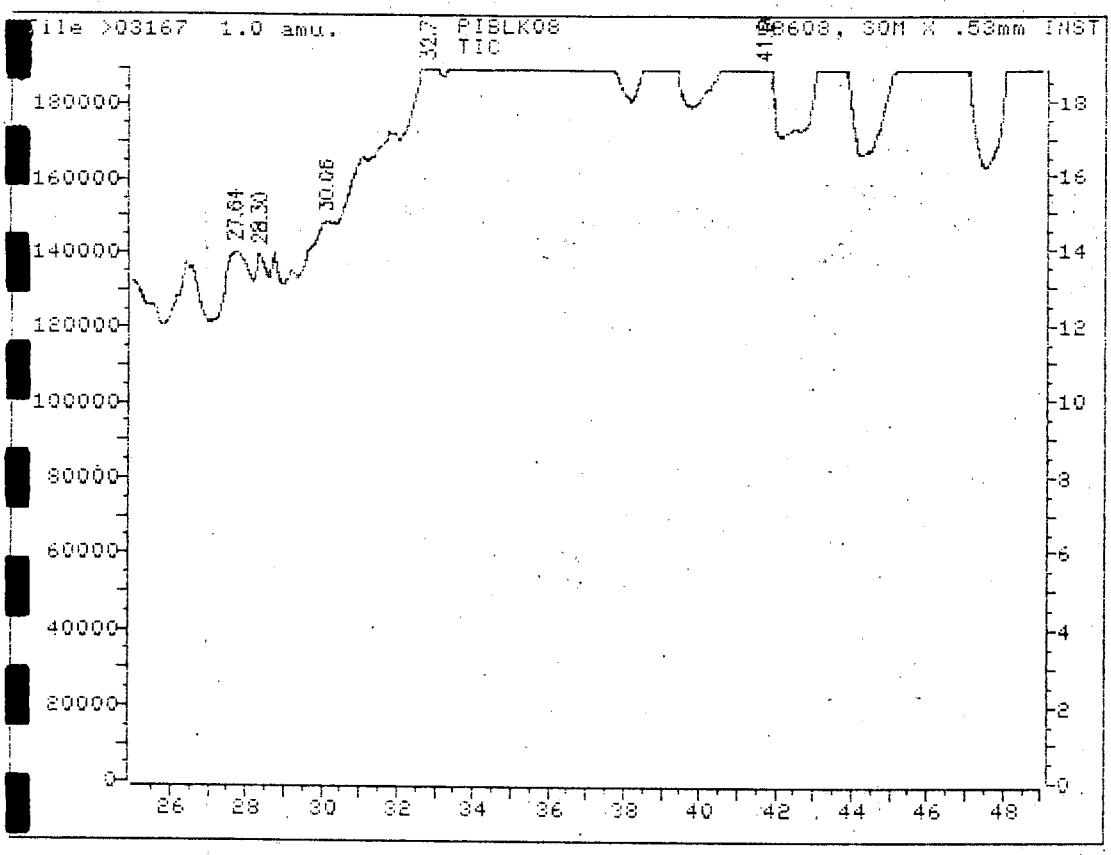
Page 2 of 2



MS data file header from : >03167::G3

Sample: PIBLK08 Operator: TRFIL 7/07/96 5:41
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 : >03167::G3

Sample: PIBLK08 Operator: TRFIL 7/07/96 5:41
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: ^04167::F3
Data File: >04167::G5
Name: PIBLK08
Misc: DB1701. 30M X .53mm INST 58903. 1ul INJ

Quant Rev: 7
Quant Time: 960707 06:32
Injected at: 960707 05:41
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	833286	20.12	ng/ml	100
3)	#~~beta BHC~~ NC	18.68	2241	118707	4.52	ng/ml	100
9)	#~~Endosulfan I~~ NC	21.83	2620	40412	1.13	ng/ml	100
19)	#Decachlorobiphenyl	38.69	4643	667378	14.29	ng/ml	100
21)	#~~gamma-Chlordane~~ OW	21.83	2620	11782	.295	ng/ml	100
22)	#~~Toxaphene~~(1) NP	25.30	3036	134109	249.19	ng/ml	100
24)	#~~Aroclor 1221~~(1) NP	7.55	906	49696	62.84	ng/ml	100
25)	#~~Aroclor-1232~~(1) NP	7.55	906	49696	41.73	ng/ml	100
29)	#~~Aroclor-1260~~(1) NP	23.92	2870	153127	66.28	ng/ml	100
36)	#~~Aroclor 1016~~(4) NP	16.48	1978	28545	19.60	ng/ml	100
37)	#~~Aroclor-1016~~(5) NP	18.68	2241	138793	67.35	ng/ml	100
45)	#~~Aroclor 1242~~(4) NP	16.48	1978	28545	24.97	ng/ml	100
48)	#~~Aroclor 1248~~(3) NP	18.68	2241	138793	56.34	ng/ml	100
53)	#~~Aroclor 1254~~(4) NP	23.09	2771	13223	5.19	ng/ml	100
54)	#~~Aroclor-1254~~(5) NP	23.92	2870	153127	112.90	ng/ml	100

Compound uses ESTD

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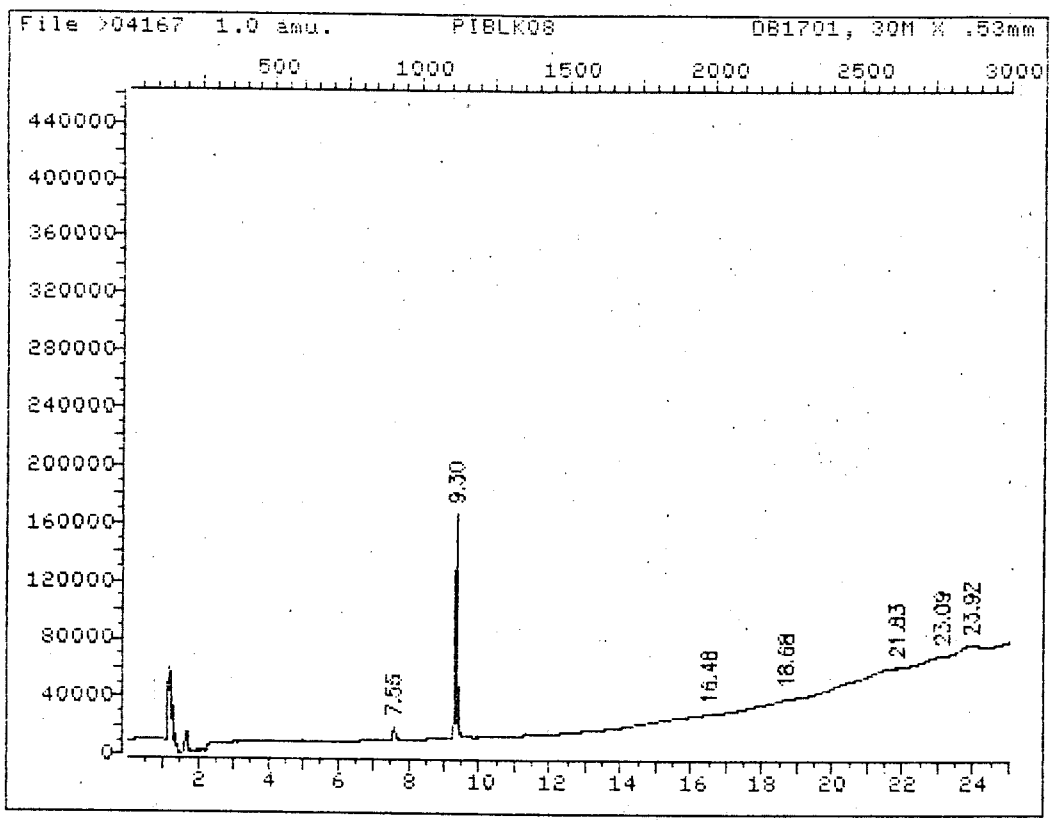
7/8/96



Data File: >04167::G5 Quant Output File: ^04167::F3
Name: PIBLK08 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 : 960707 06:32
Injected at: 960707 05:41

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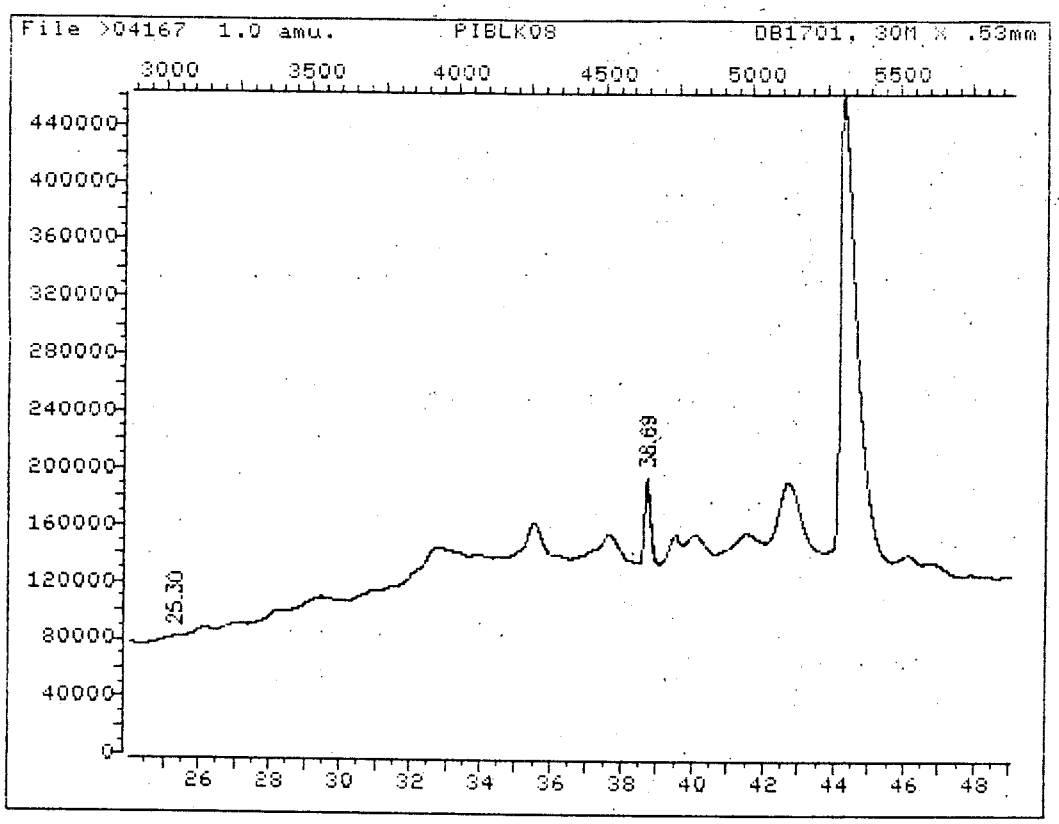

Data File: >04167::G5 Quant Output File: ^04167::F3
Name: PIBLK08 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960707 06:32
Injected at: 960707 05:41

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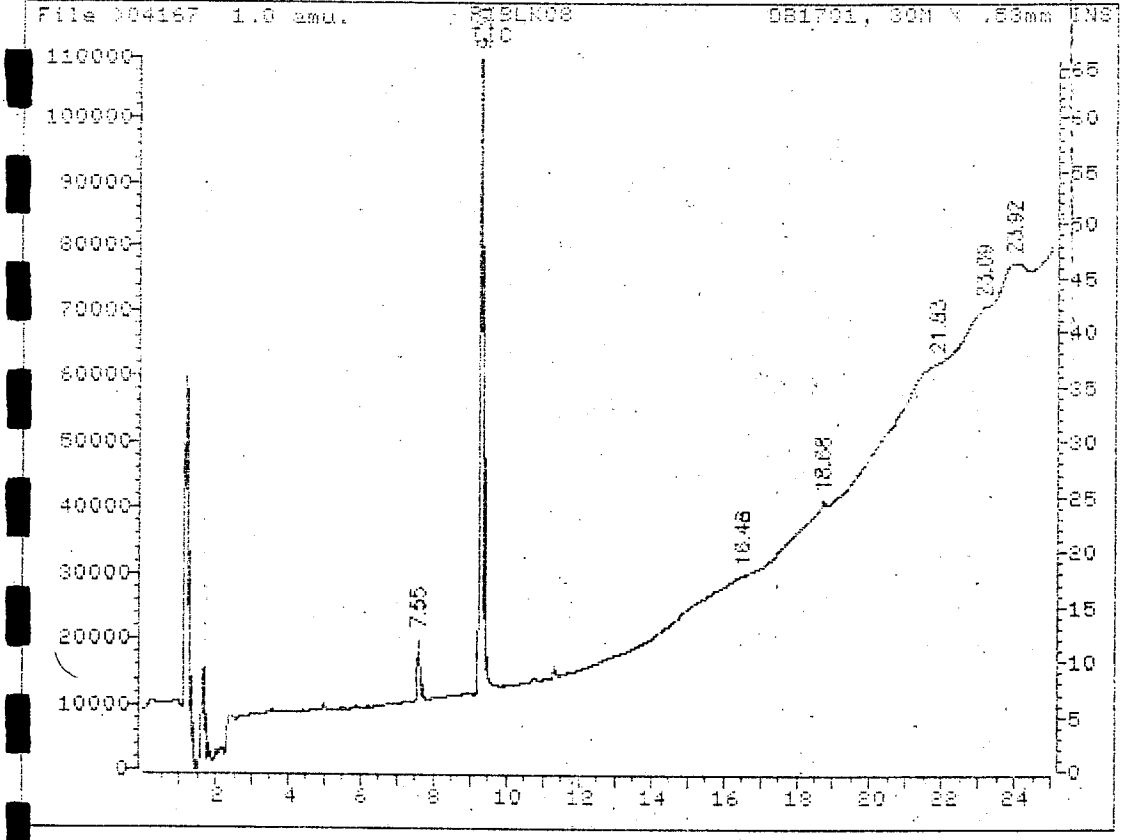
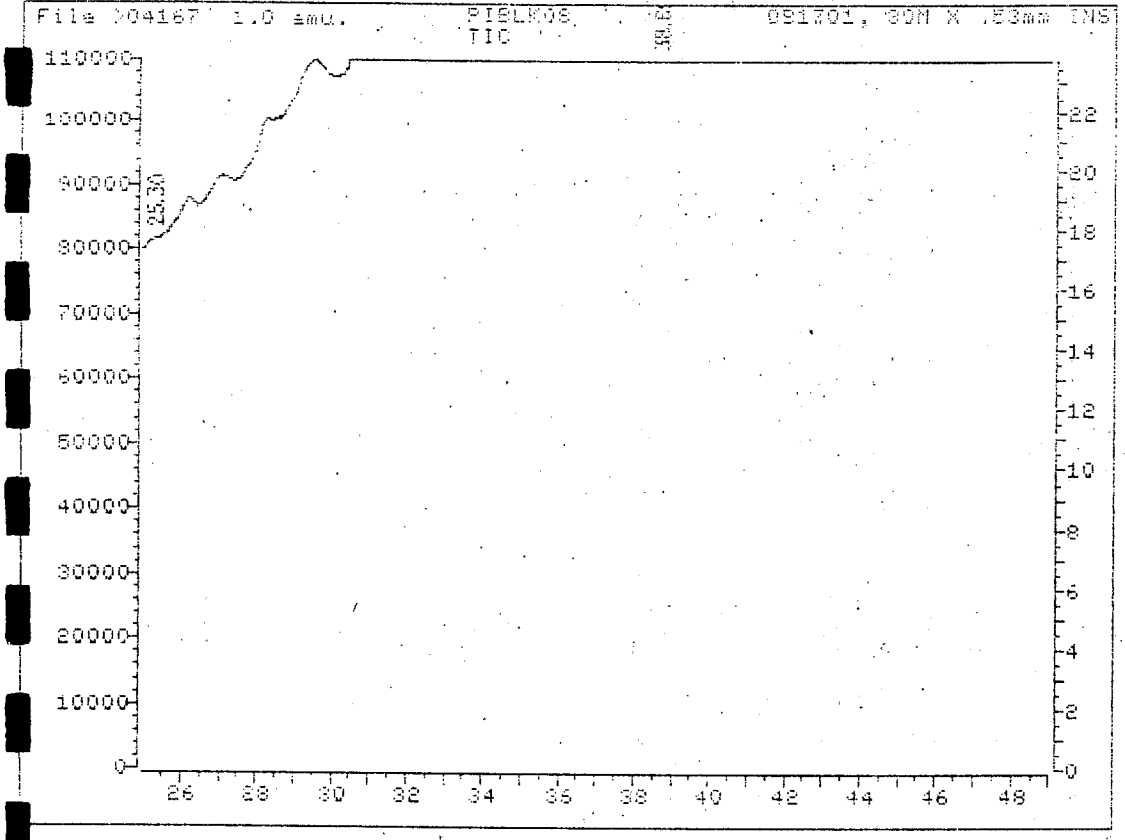


MS data file header from : >04167::G5

Sample: PIBLK08 Operator: TRFIL 7/07/96 5:41
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 : >04167::G5

Sample: PIBLK08 Operator: TRFIL 7/07/96 5:41
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.

PIBLK09

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK09

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03168

% 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: 07/07/96

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: TRFIL
Output File: ^03168::F3
Data File: >03168::G3
Name: PIBLK09
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960707 07:31
Injected at: 960707 06:38
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2528393	20.20	ng/ml	100
4)	~~#delta BHC~~ OW	16.68	2002	17663	.146	ng/ml	100
6)	~~#Heptachlor~~ OW	15.96	1915	119155	1.53	ng/ml	100
14)	~~#4,4' DDD~~ OW	25.52	3062	10761	.187	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.31	3397	148032	1.67	ng/ml	100
19)	#Decachlorobiphenyl	41.67	5000	2282287	19.07	ng/ml	100
27)	~~#Aroclor-1248~~(1) UP	15.96	1915	119155	15.75	ng/ml	100
29)	~~#Aroclor-1260~~(1) UP	24.44	2933	97618	12.59	ng/ml	100
32)	~~#Toxaphene~~(3) UP	28.31	3397	148032	59.23	ng/ml	100
35)	~~#Aroclor-1016~~(3) UP	15.96	1915	119155	10.79	ng/ml	100
36)	~~#Aroclor-1016~~(4) UP	16.68	2002	17663	4.73	ng/ml	100
37)	~~#Aroclor-1016~~(5) UP	19.10	2292	10954	3.22	ng/ml	100
41)	~~#Aroclor-1232~~(3) UP	15.96	1915	119155	25.33	ng/ml	100
42)	~~#Aroclor-1232~~(4) UP	16.68	2002	17663	10.26	ng/ml	100
44)	~~#Aroclor-1242~~(3) UP	15.96	1915	119155	13.37	ng/ml	100
45)	~~#Aroclor-1242~~(4) UP	16.68	2002	17663	5.58	ng/ml	100
46)	~~#Aroclor-1242~~(5) UP	19.10	2292	10954	3.66	ng/ml	100
48)	~~#Aroclor-1248~~(3) UP	19.10	2292	10954	2.64	ng/ml	100
49)	~~#Aroclor-1248~~(4) UP	20.40	2448	184348	38.05	ng/ml	100
50)	~~#Aroclor-1248~~(5) UP	21.91	2629	144039	26.13	ng/ml	100
51)	~~#Aroclor-1254~~(2) UP	21.18	2541	219005	39.52	ng/ml	100
52)	~~#Aroclor-1254~~(3) UP	22.60	2712	384725	238.60	ng/ml	100
56)	~~#Aroclor-1260~~(3) UP	26.61	3193	73692	14.12	ng/ml	100
57)	~~#Aroclor-1260~~(4) UP	30.24	3629	692690	64.11	ng/ml	100
58)	~~#Aroclor-1260~~(5) UP	33.01	3961	74621	13.52	ng/ml	100

Compound uses ESTD

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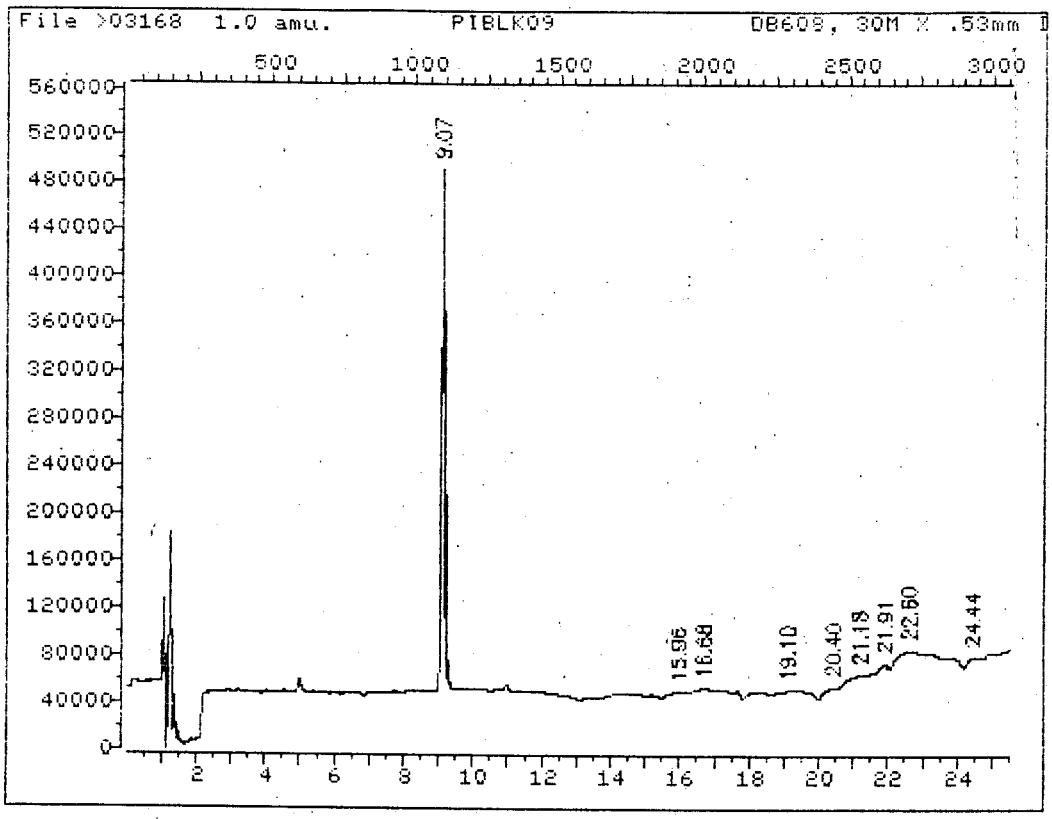
7/8/96

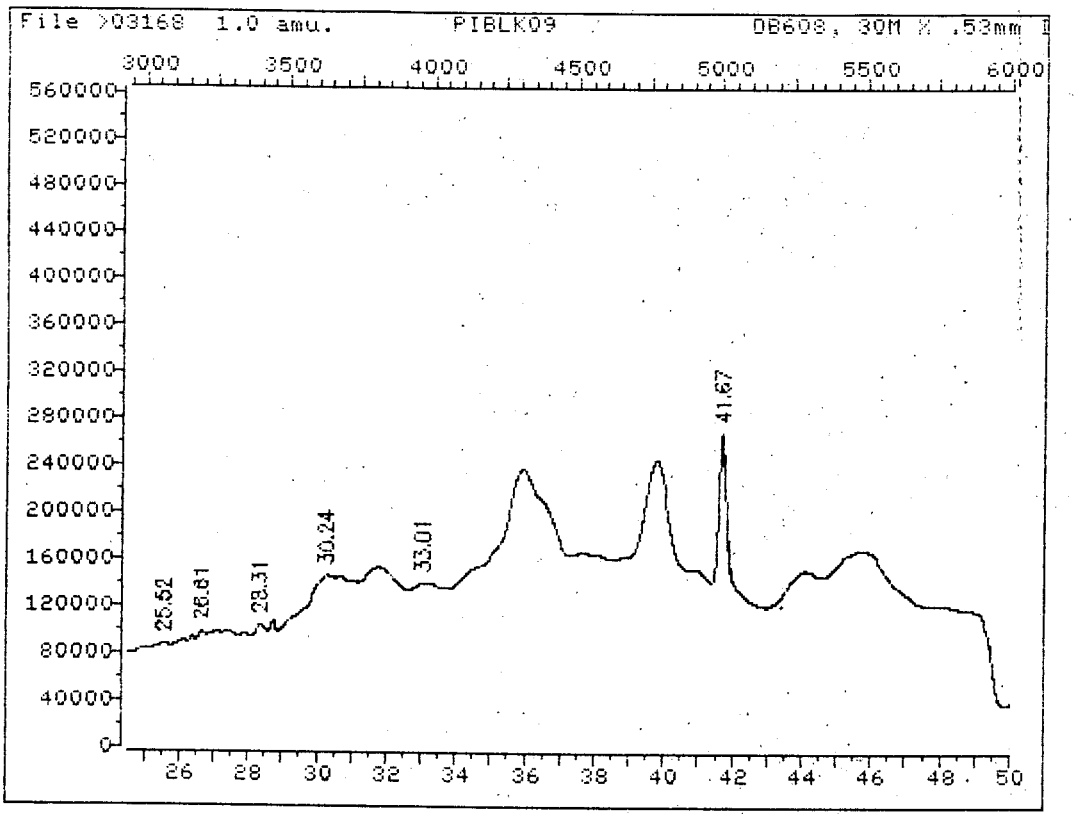


Data File: >03168::G3 Quant Output File: ^03168::F3
Name: PIBLK09 Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903. 1ul INJ

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 : 960707 07:31
Injected at: 960707 06:38

Page 1 of 2

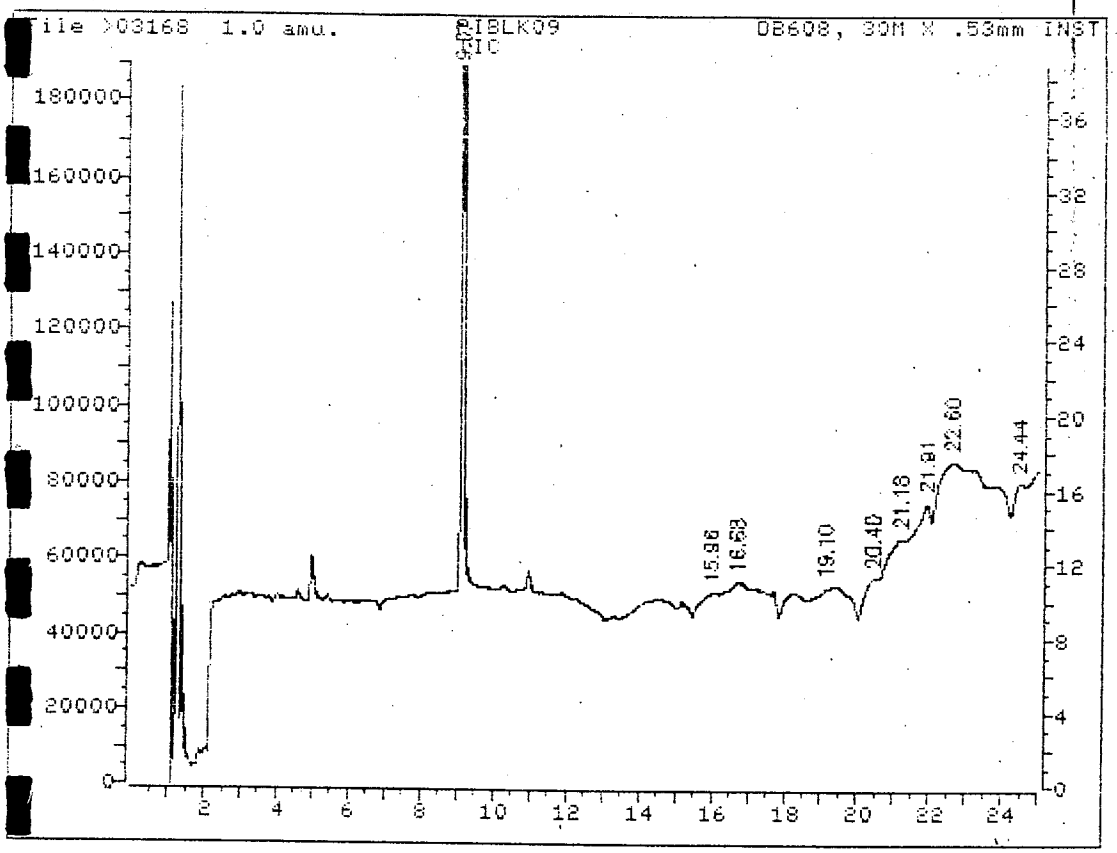


Data File: >03168::G3 Quant Output File: ^03168::F3
Name: PIBLK09 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 : 960707 07:31
Injected at: 960707 06:38

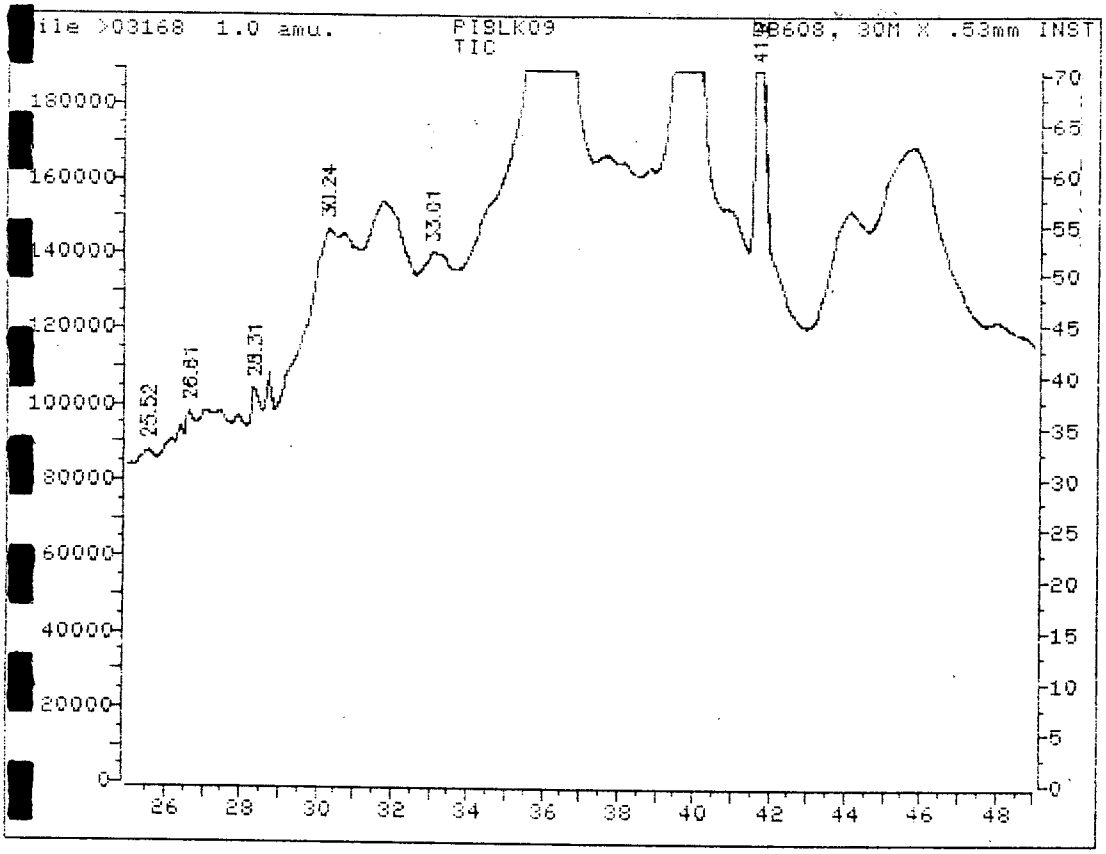
Page 2 of 2



MS data file header from : >03168::G3

Sample: PIBLK09 Operator: TRFIL 7/07/96 6:38
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 : >03168::G3

ample: PIBLK09 Operator: TRFIL 7/07/96 6:38
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: ^04168::F3
Data File: >04168::G5
Name: PIBLK09
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960707 07:29
Injected at: 960707 06:38
Dilution Factor: 1.00000
Instrument ID: GC04

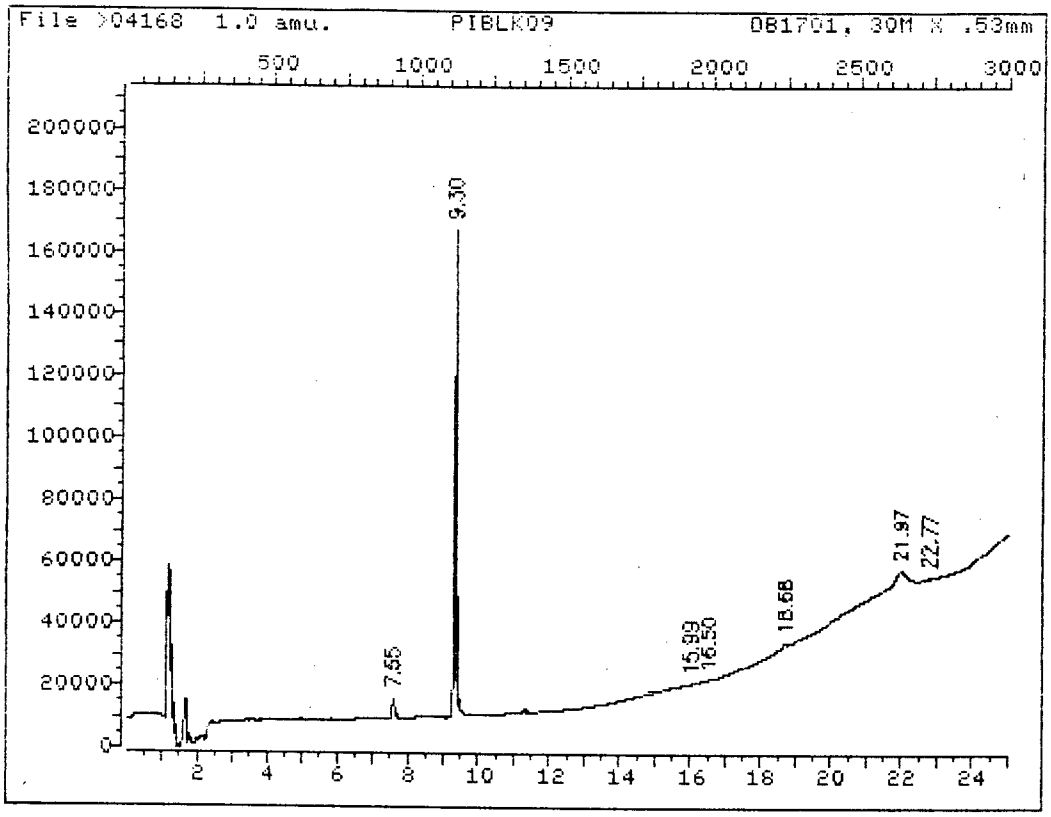
ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07

Last Qcal Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	836346	20.19	ng/ml	100
3)	~~#beta-BHC~~ NC	18.68	2242	126220	4.80	ng/ml	100
11)	~~#4,4'-DDE~~ NC	22.77	2732	9838	.354	ng/ml	100
13)	~~#Endosulfan II~~ OW	26.91	3229	131974	3.69	ng/ml	100
16)	~~#4,4'-DDT~~ OW	27.25	3270	10674	.648	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	737159	15.79	ng/ml	100
21)	~~#gamma-Chlordane~~ NC	21.97	2636	253646	6.35	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	31709	40.10	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	31709	26.63	ng/ml	100
30)	~~#Endrin aldehyde~~ OW	28.70	3444	29493	.971	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.23	3387	94679	131.36	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.99	1919	38367	9.89	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.50	1980	23252	15.97	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.68	2242	146694	71.19	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	15.99	1919	38367	24.56	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.99	1919	38367	12.44	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.50	1980	23252	20.34	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.99	1919	38367	14.69	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.68	2242	146694	59.54	ng/ml	100

Compound uses ESTD

EPM
7/8/96



Data File: >04168::G5 Quant Output File: ^04168::F3
Name: PIBLK09 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 : 960707 07:29
Injected at: 960707 06:38

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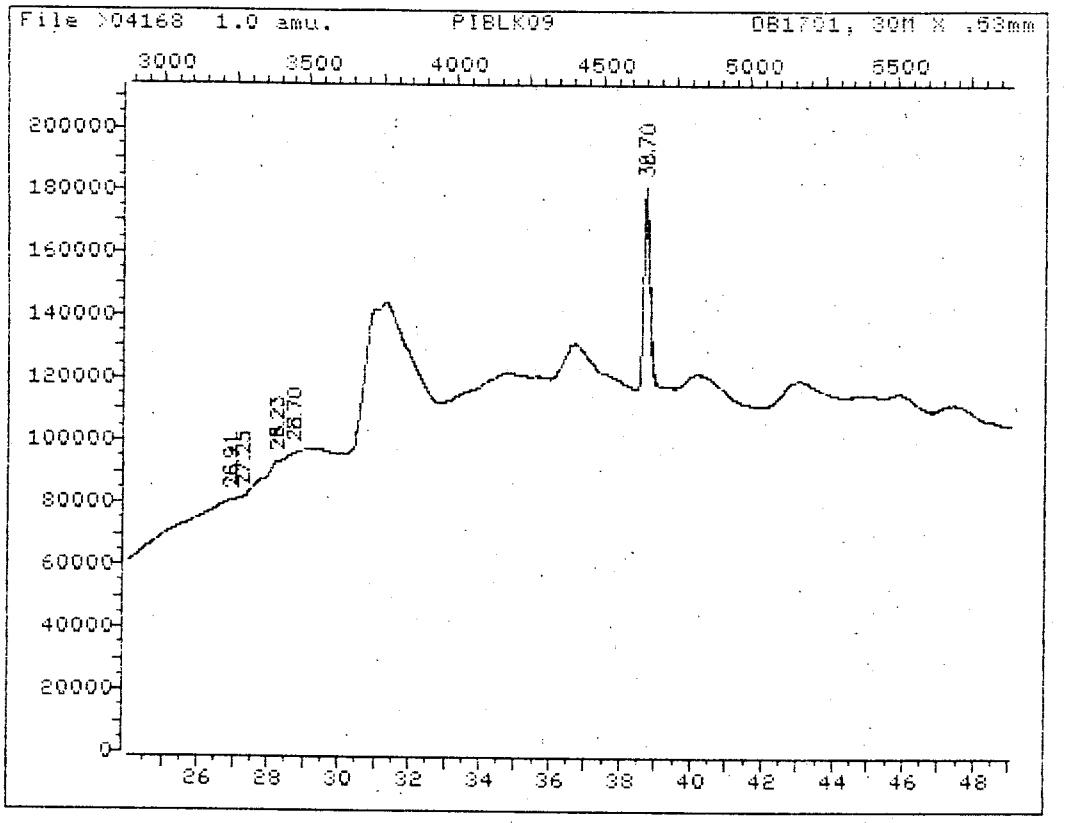

Data File: >04168::G5 Quant Output File: ^04168::F3
Name: PIBLK09 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960707 07:29
Injected at: 960707 06:38

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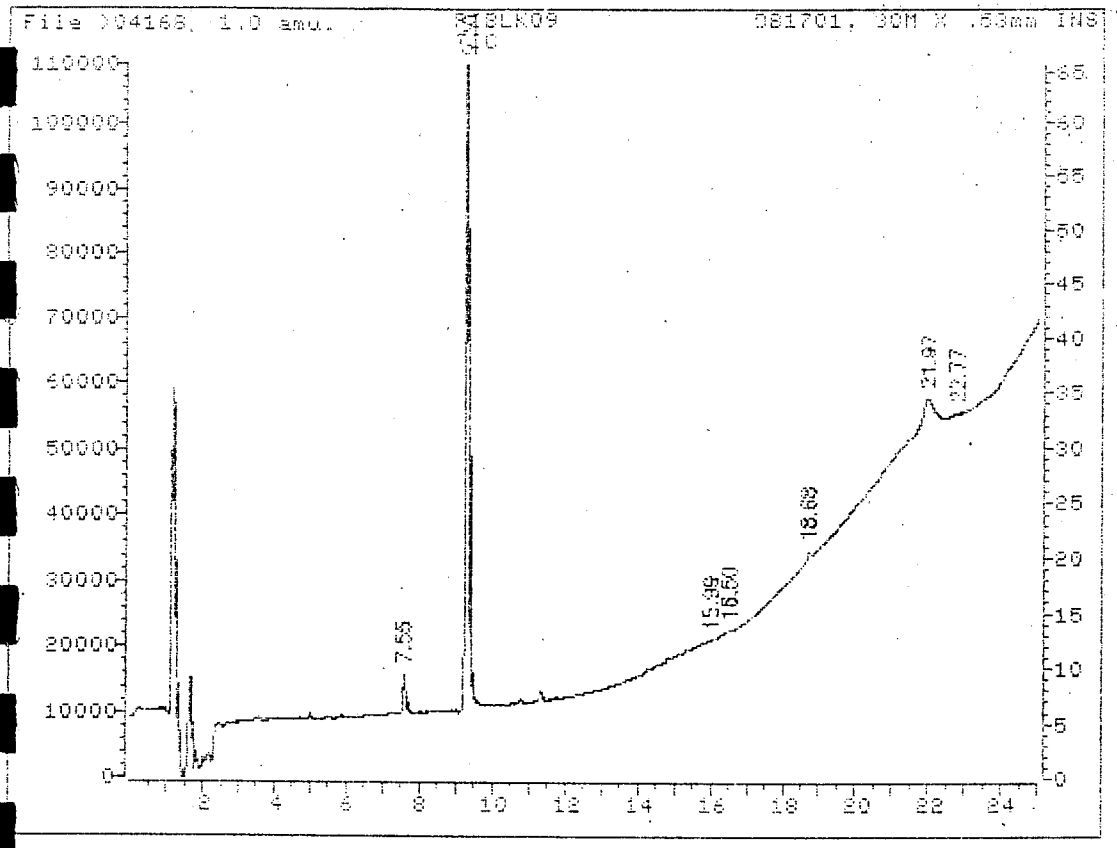
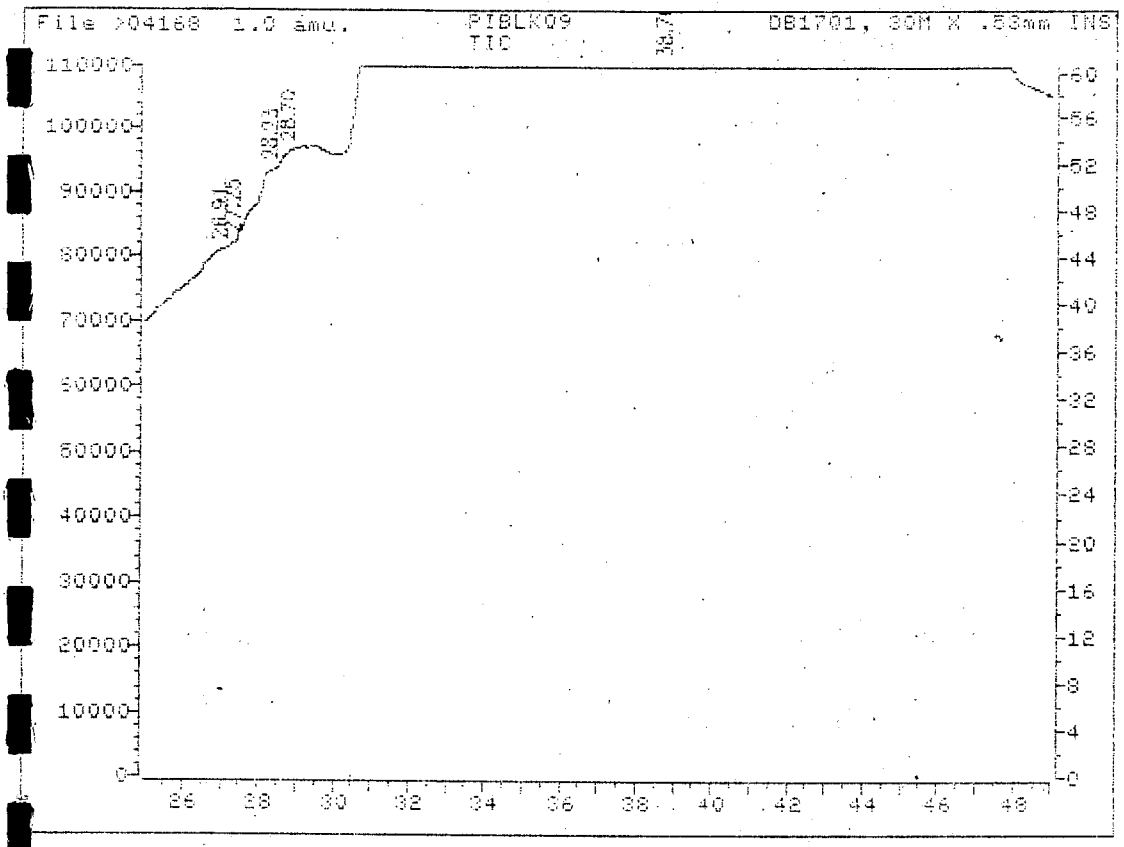


MS data file header from : >04168::G5

Sample: PIBLK09 Operator: TRFIL 7/07/96 6:38
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 : >04168::G5

Sample: PIBLK09 Operator: TRFIL 7/07/96 6:38
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.

PIBLK10

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK10

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03169

% 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: 07/07/96

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: TRFIL
Output File: ^03169::F3
Data File: >03169::G3
Name: PIBLK10
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

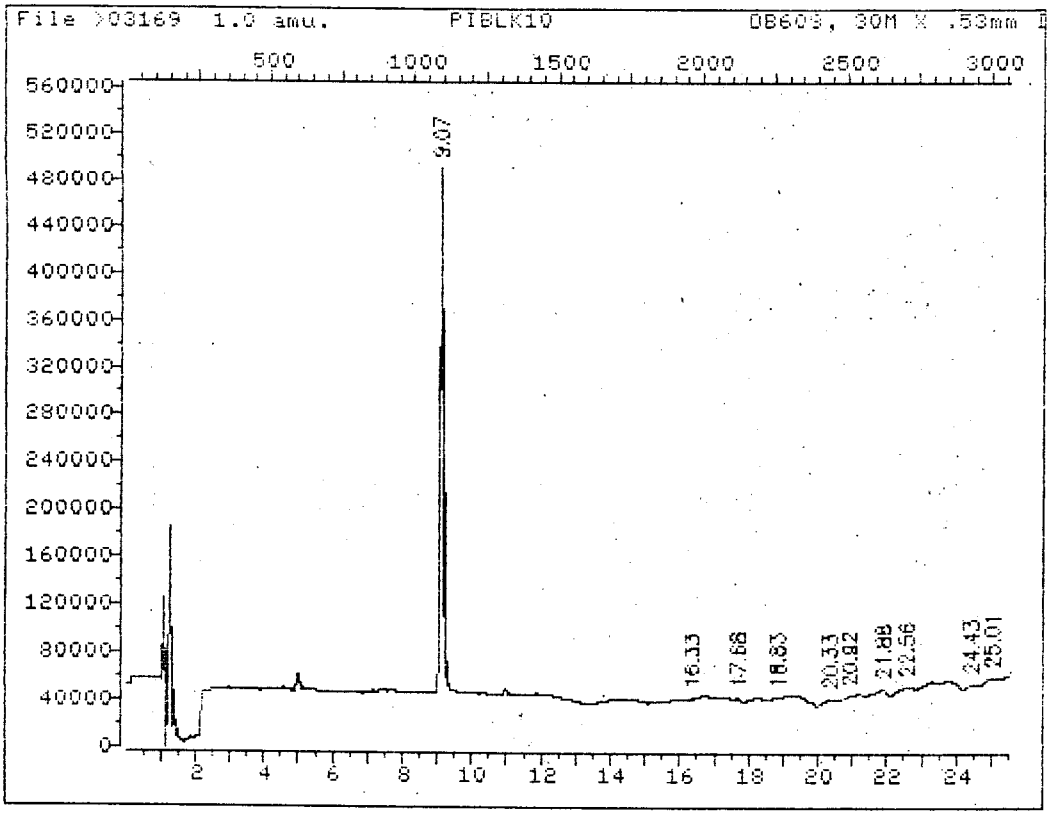
Quant Rev: 7
Quant Time: 960707 08:28
Injected at: 960707 07:35
Dilution Factor: 1.00000
Instrument ID: GC03

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	2546419	20.35	ng/ml	100
4)	#~~delta-BHC~~ ow	16.33	1960	5236	.0433	ng/ml	100
12)	#~~Endrin~~ ow	25.01	3001	76625	.895	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	28.34	3400	184829	2.09	ng/ml	100
19)	#Decachlorobiphenyl	41.67	5000	1935619	16.17	ng/ml	100
28)	#~~Aroclor 1254(1)~~ NP	20.92	2510	42926	9.05	ng/ml	100
29)	#~~Aroclor 1260(1)~~ NP	24.43	2931	76319	9.85	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.34	3400	184829	73.95	ng/ml	100
33)	#~~Toxaphene(4)~~ NP	30.36	3643	65354	33.90	ng/ml	100
37)	#~~Aroclor 1016(5)~~ NP	18.83	2259	7673	2.26	ng/ml	100
46)	#~~Aroclor 1242(5)~~ NP	18.83	2259	7673	2.57	ng/ml	100
47)	#~~Aroclor 1248(2)~~ NP	17.68	2122	33512	12.85	ng/ml	100
48)	#~~Aroclor 1248(3)~~ NP	18.83	2259	7673	1.85	ng/ml	100
49)	#~~Aroclor 1248(4)~~ NP	20.33	2440	67152	13.86	ng/ml	100
50)	#~~Aroclor 1248(5)~~ NP	21.88	2626	141647	25.69	ng/ml	100
52)	#~~Aroclor 1254(3)~~ NP	22.56	2707	159084	98.66	ng/ml	100
54)	#~~Aroclor 1254(5)~~ NP	25.01	3001	76625	21.37	ng/ml	100
55)	#~~Aroclor 1260(2)~~ NP	25.01	3001	76625	10.94	ng/ml	100
56)	#~~Aroclor 1260(3)~~ NP	26.59	3191	86158	16.50	ng/ml	100

Compound uses ESTD

EFrei
7/8/96



Data File: >03169::G3 Quant Output File: ^03169::F3
Name: PIBLK10 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 : 960707 08:28
Injected at: 960707 07:35

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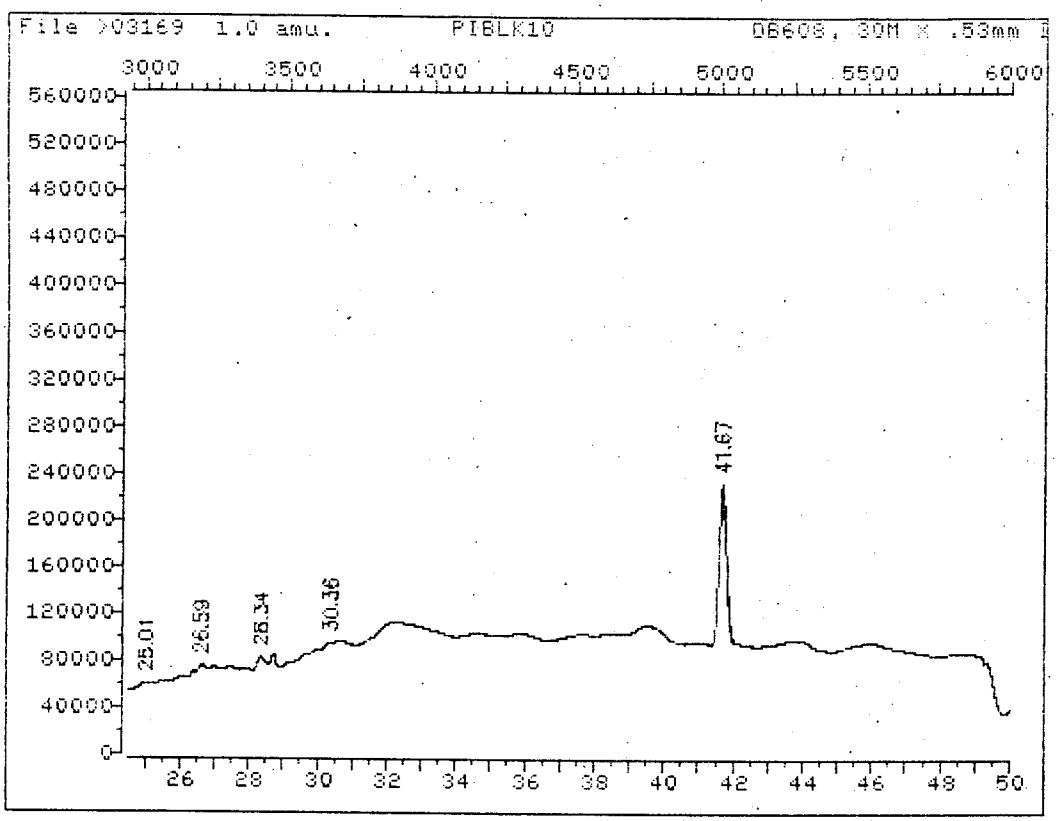

Data File: >03169::G3 Quant Output File: ^03169::F3
Name: PIBLK10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 : 960707 08:28
Injected at: 960707 07:35

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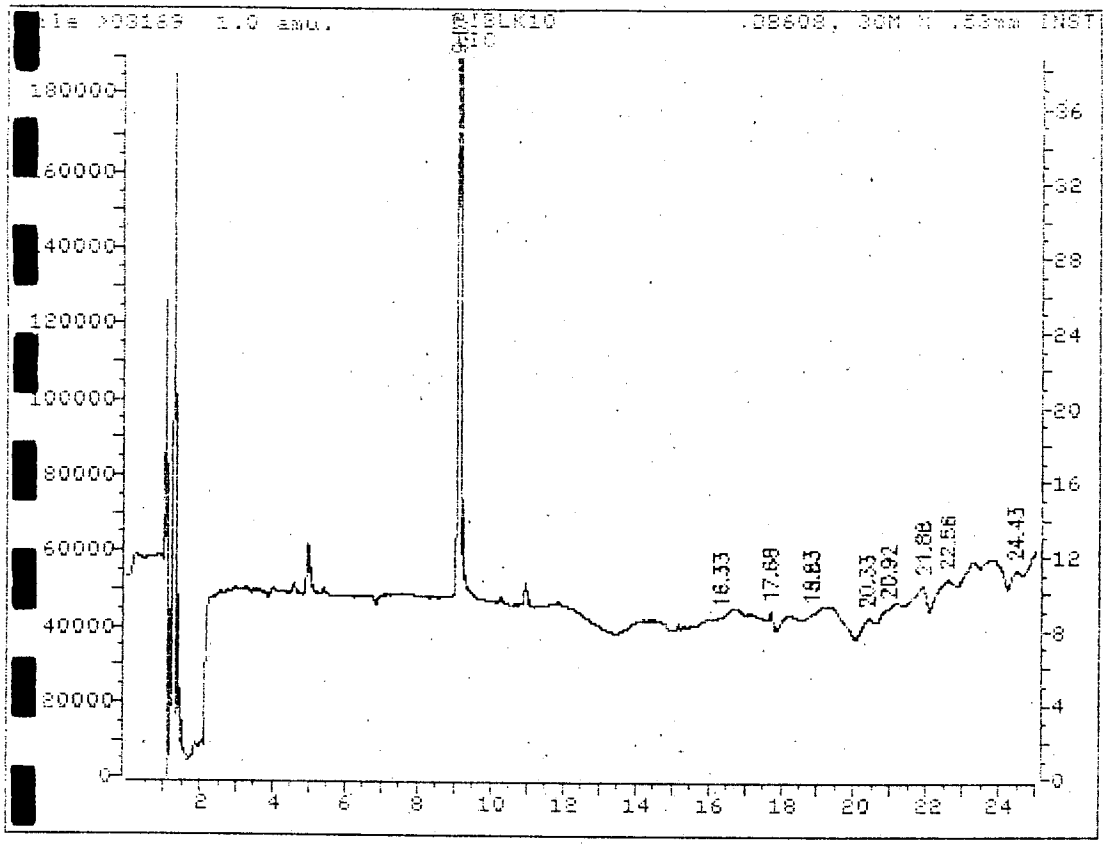
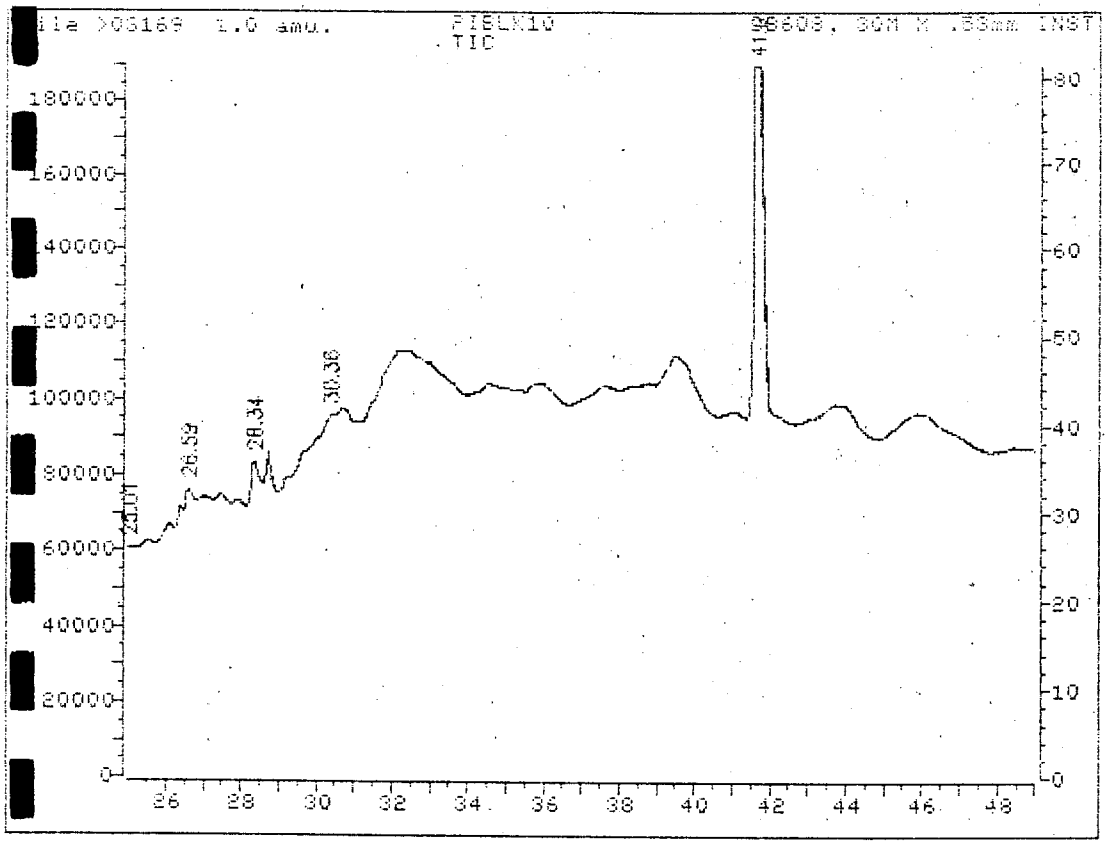


MS data file header from : >03169::G3

Sample: PIBLK10 Operator: TRFIL 7/07/96 7:35
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 : >03169::G3

Sample: PIBLK10 Operator: TRFIL 7/07/96 7:35
Misc : DB608, 30M X .53mm INST #9903, 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

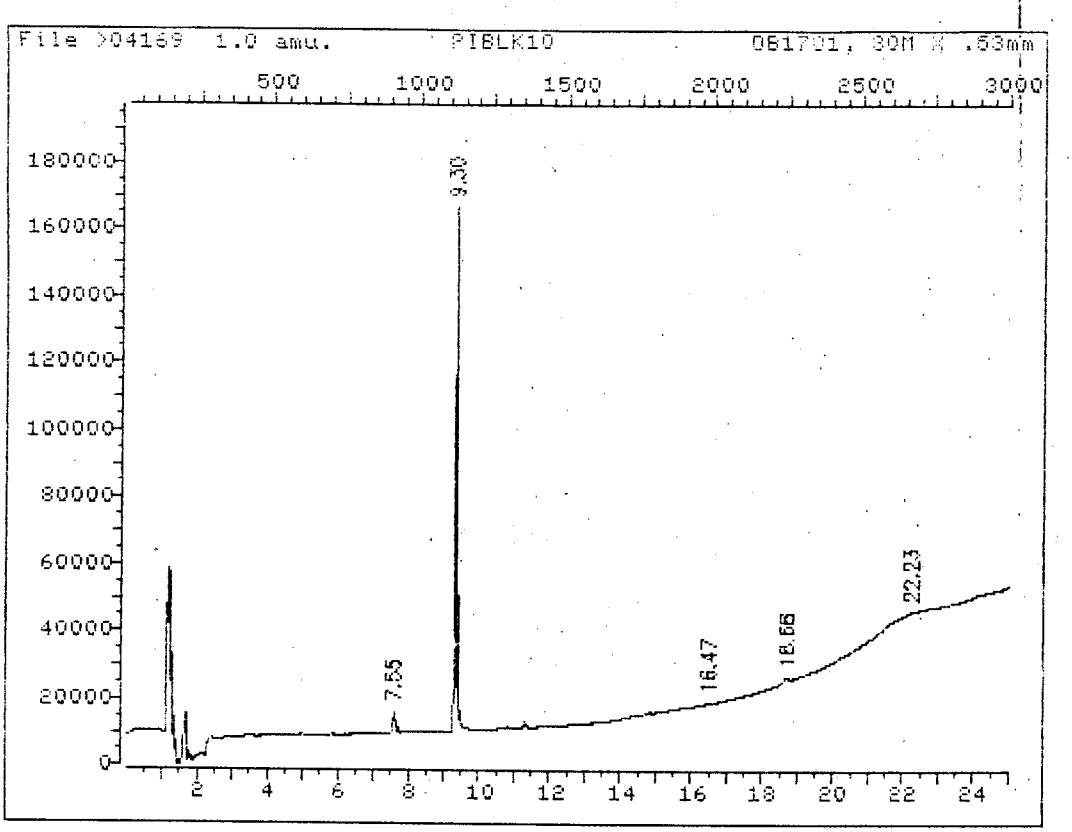
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960707 08:26
Output File: ^04169::F3 Injected at: 960707 07:35
Data File: >04169::G5 Dilution Factor: 1.00000
Name: PIBLK10 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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
1)	#Tetrachloro-m-xylene	9.30	1116	839215	20.26	ng/ml ✓	100
3)	~~#beta-BHC~~ UC	18.68	2242	91400	3.48	ng/ml	100
13)	~~#Endosulfan II~~ OW	26.84	3220	73987	2.07	ng/ml	100
17)	~~#Methoxychlor~~ UC	30.91	3709	107707	8.00	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	800419	17.14	ng/ml ✓	100
20)	~~#alpha-Chlordane~~ UC	22.23	2668	79633	1.91	ng/ml	100
24)	~~#Aroclor-1221(1)~~ ND	7.55	906	34288	43.36	ng/ml	100
25)	~~#Aroclor-1232(1)~~ ND	7.55	906	34288	28.79	ng/ml	100
36)	~~#Aroclor-1016(4)~~ ND	16.47	1977	9818	6.74	ng/ml	100
37)	~~#Aroclor-1016(5)~~ ND	18.68	2242	103149	50.06	ng/ml	100
45)	~~#Aroclor-1242(4)~~ ND	16.47	1977	9818	8.59	ng/ml	100
48)	~~#Aroclor-1248(3)~~ ND	18.68	2242	103149	41.87	ng/ml	100

Compound uses ESTD

EPui
7/8/96



Data File: >04169::G5 Quant Output File: ^04169::F3
Name: PIBLK10 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 Qual Time: 960701 21:23

Operator ID: TRFIL
Quant Time : 960707 08:26
Injected at: 960707 07:35

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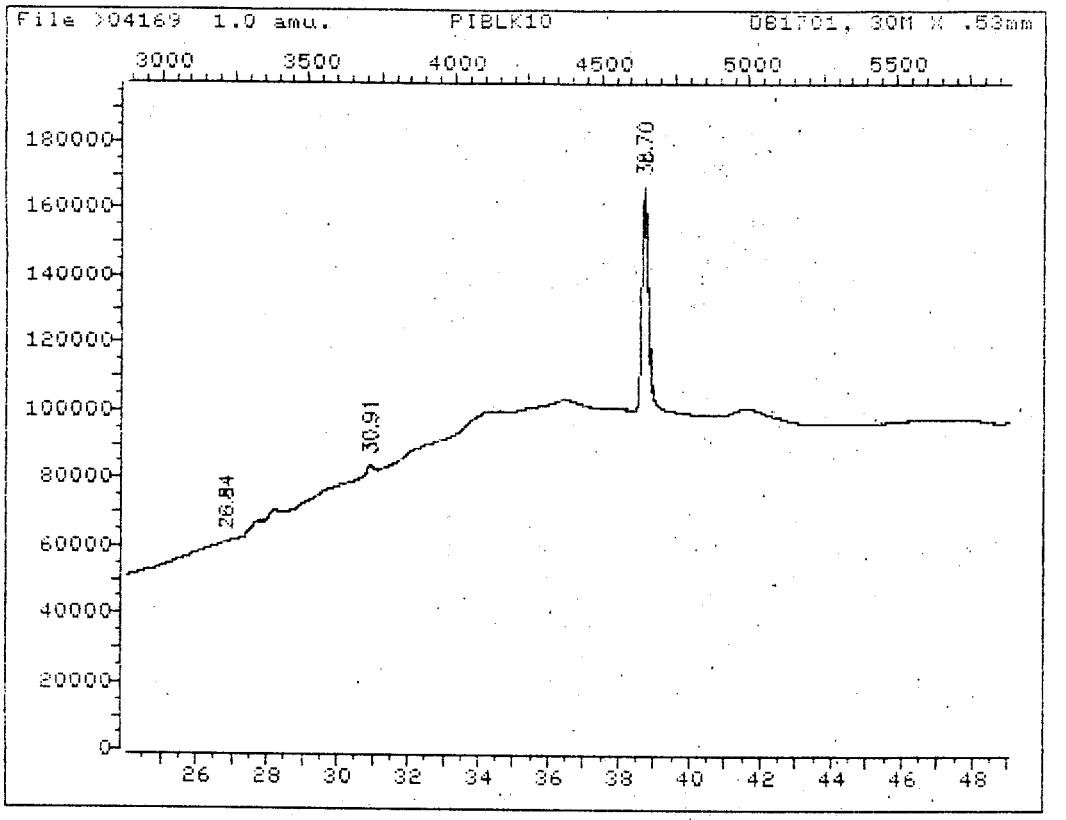

Data File: >04169::G5 Quant Output File: ^04169::F3
Name: PIBLK10 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960707 08:26
Injected at: 960707 07:35

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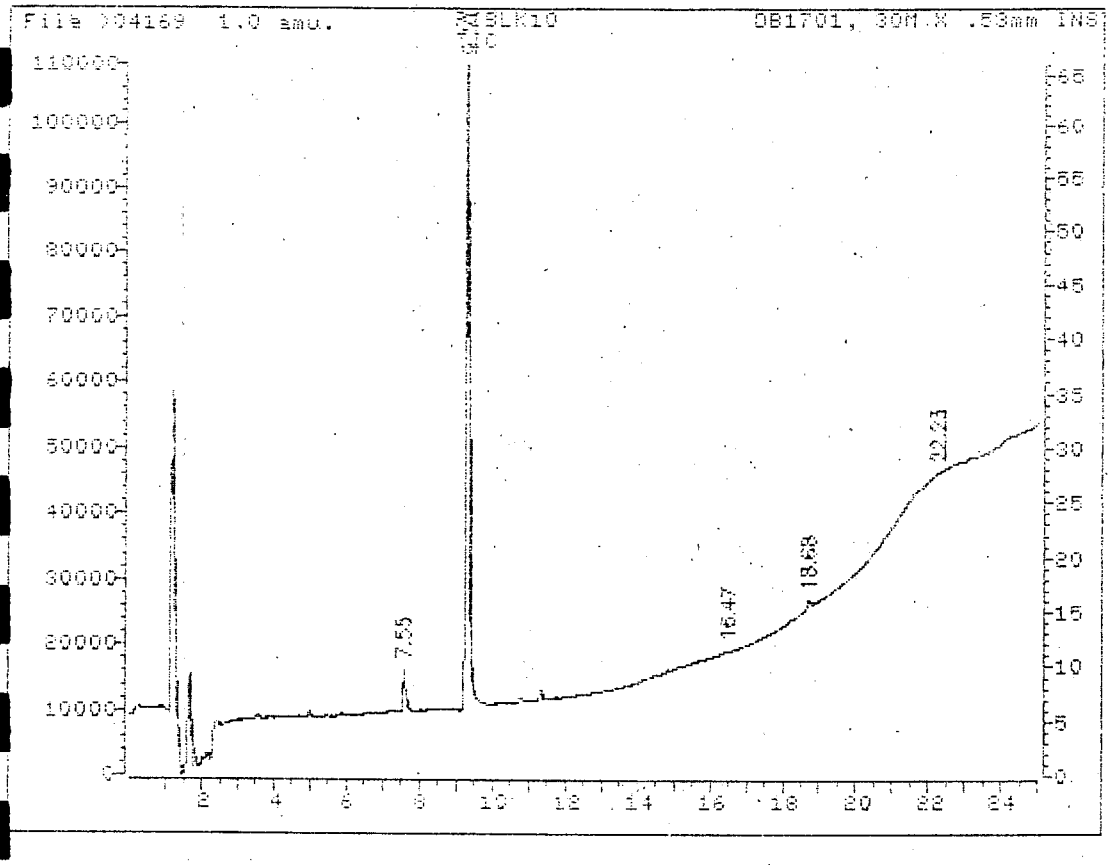
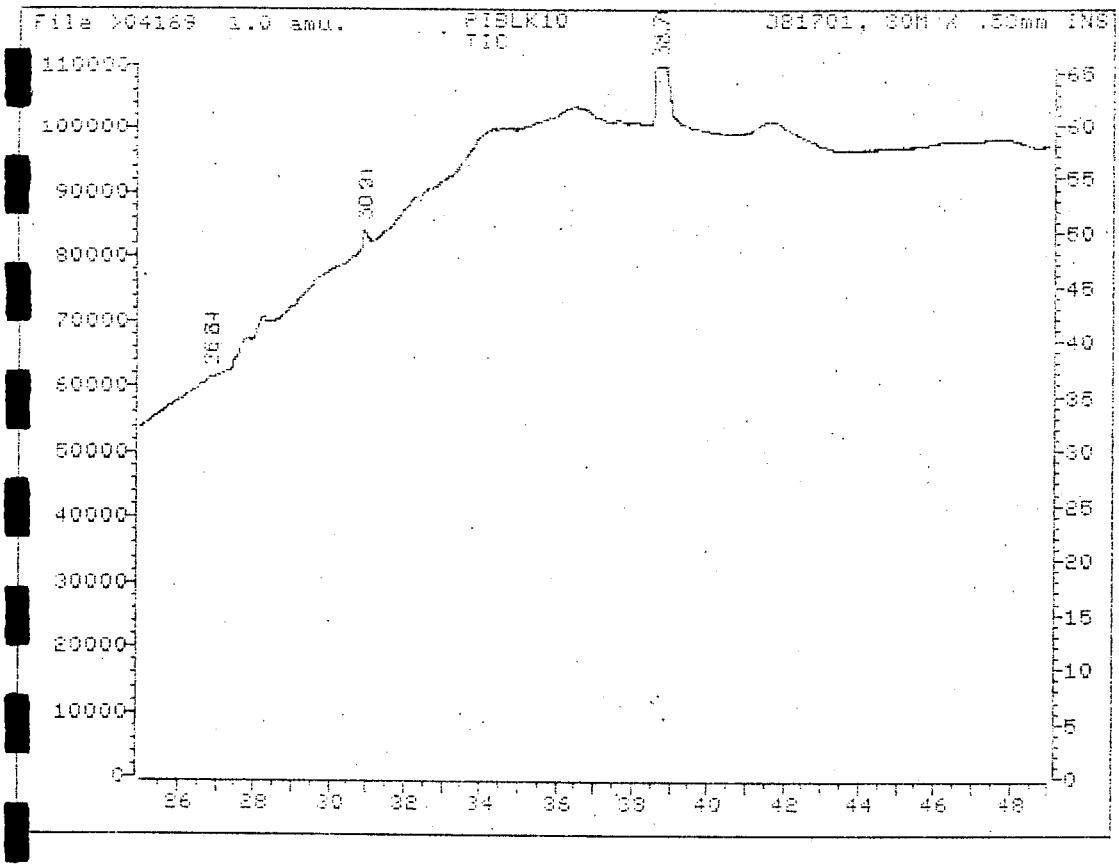


MS data file header from : >04169::G5

Sample: PIBLK10 Operator: TRFIL 7/07/96 7:35
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >04169::G5

Sample: PIBLK10 Operator: TRFIL 7/07/96 7:35
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: .92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK11

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK11

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03215

% 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: 07/09/96

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

Page 1

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960709 15:03
Output File: 03215 :F3 Injected at: 960709 13:17
Data File: 03215::B3 Dilution Factor: 1.00000
Name: FIBLK11 Instrument ID: GC03
Misc: DB608, 30M x .55mm IMST 58903, 1.1 IND

ID File: IDCAP1::3C
Title: Capillary Column DB 608
Last Calibration: 94102, 10:07 Last Qual Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.09	1091	2593525	20.72	ng/ml	100
6)	#~~Heptachlor~~ OW	15.99	1919	14515	.186	ng/ml	100
8)	#~~Heptachlor epoxide~~ OW	20.22	2426	34068	.765	ng/ml	100
10)	#~~Dieldrin~~ NC	23.02	2762	1903419	20.18	ng/ml	100
11)	#~~4,4'-DDE~~ OW	23.02	2762	1857521	20.09	ng/ml	100
12)	#~~Endrin~~ NC	24.87	2984	352877	4.12	ng/ml	100
13)	#~~Endosulfan II~~ OW	25.91	3109	41740	.433	ng/ml	100
14)	#~~4,4'-DDD~~ OW	25.91	3109	18051	.313	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	28.28	3393	124778	1.41	ng/ml	100
16)	#~~4,4'-DDT~~ NC	27.14	3257	547928	8.45	ng/ml	100
18)	#~~Endrin ketone~~ OW	32.95	3954	38203	.424	ng/ml	100
19)	#Decachlorobiphenyl	41.68	5002	2426626	20.27	ng/ml	100
21)	#~~gamma-Chlordane~~ OW	20.87	2504	68164	.578	ng/ml	100
22)	#~~Toxaphene~~(1) NP	23.53	2824	373687	233.01	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	15.99	1919	14515	1.92	ng/ml	100
32)	#~~Toxaphene~~(3) NP	28.28	3393	124778	49.92	ng/ml	100
35)	#~~Aroclor-1016~~(3) NP	15.99	1919	14515	1.31	ng/ml	100
36)	#~~Aroclor-1016~~(4) NP	16.70	2004	25966	6.95	ng/ml	100
38)	#~~Aroclor-1221~~(2) NP	11.32	1358	19359	11.52	ng/ml	100
41)	#~~Aroclor-1232~~(3) NP	15.99	1919	14515	3.09	ng/ml	100
42)	#~~Aroclor-1232~~(4) NP	16.70	2004	25966	15.08	ng/ml	100
44)	#~~Aroclor-1242~~(3) NP	15.99	1919	14515	1.63	ng/ml	100
45)	#~~Aroclor-1242~~(4) NP	16.70	2004	25966	8.21	ng/ml	100
49)	#~~Aroclor-1248~~(4) NP	20.48	2458	13371	2.76	ng/ml	100
53)	#~~Aroclor-1254~~(4) NP	23.53	2824	573687	61.55	ng/ml	100
54)	#~~Aroclor-1254~~(5) NP	24.87	2984	352877	98.41	ng/ml	100
55)	#~~Aroclor-1260~~(2) NP	24.87	2984	352877	50.38	ng/ml	100
56)	#~~Aroclor-1260~~(3) NP	26.56	3187	572858	109.74	ng/ml	100
57)	#~~Aroclor-1260~~(4) NP	30.19	3622	107524	9.95	ng/ml	100
58)	#~~Aroclor-1260~~(5) NP	32.95	3954	38275	6.93	ng/ml	100

Compound uses ESTD

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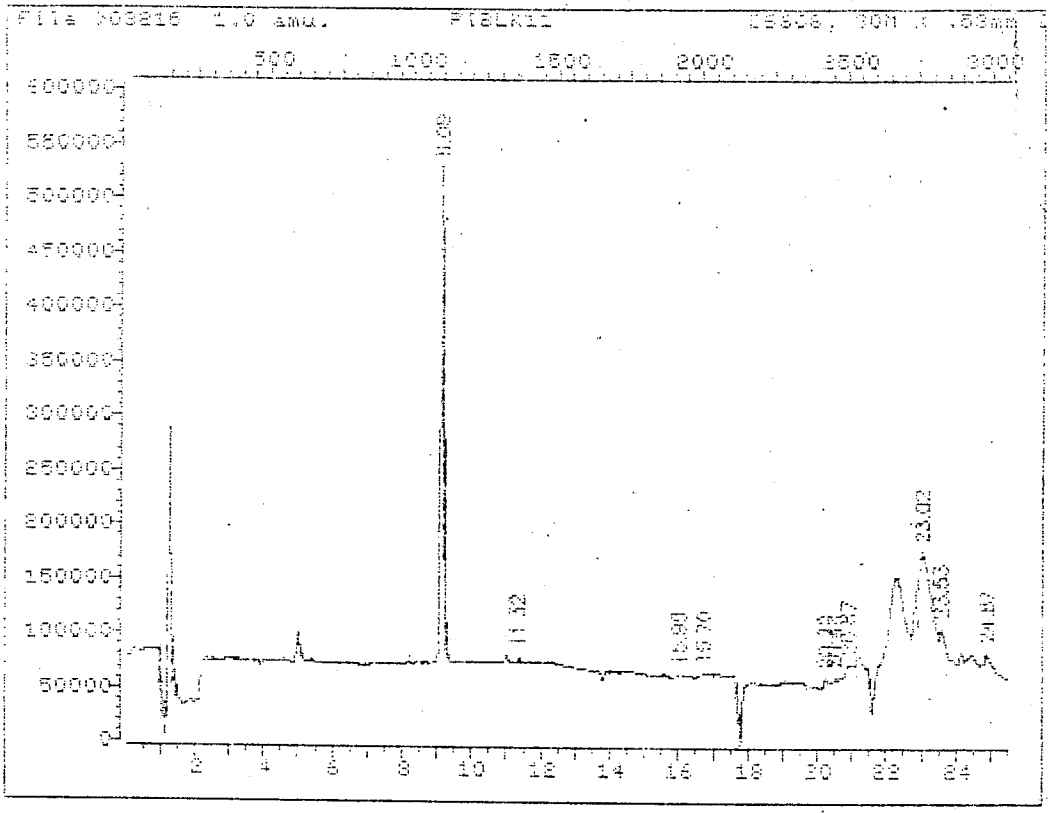
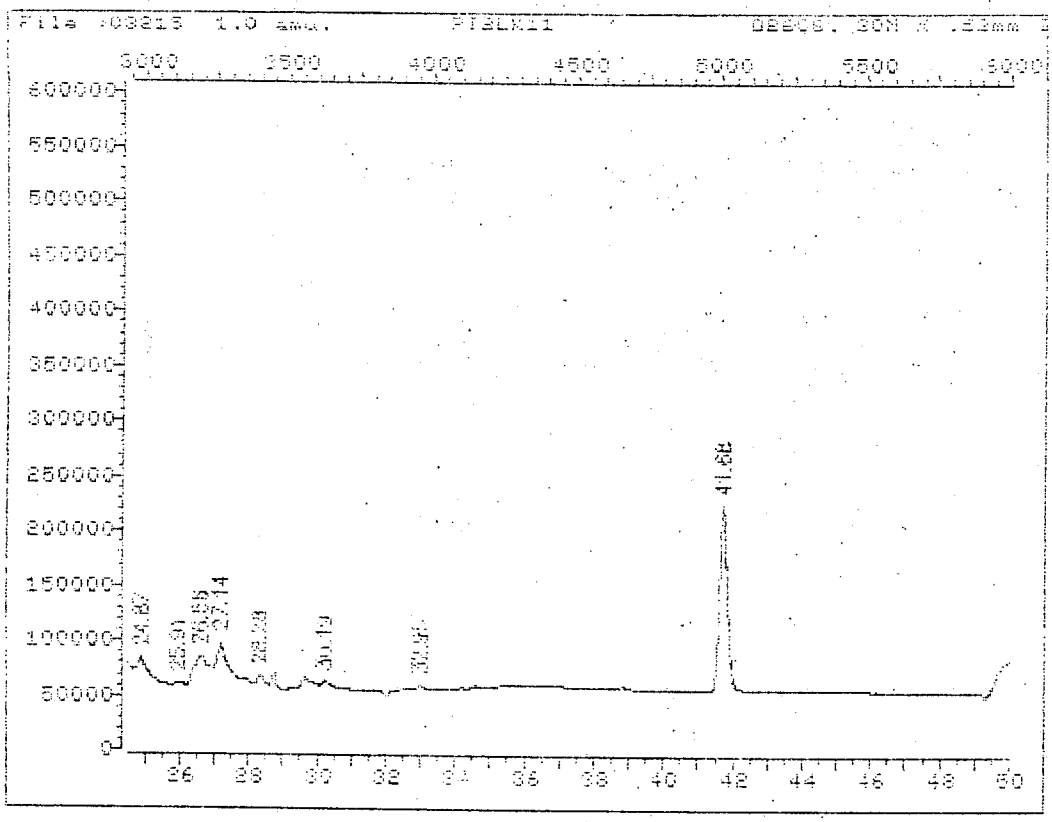


Data File: >03215::G3 Quant Output File: ^03215::F3
Name: FIBLK11 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRF12
Quant Time : 960709 15:03
Injected at: 960709 13:17

Page 1 of 2

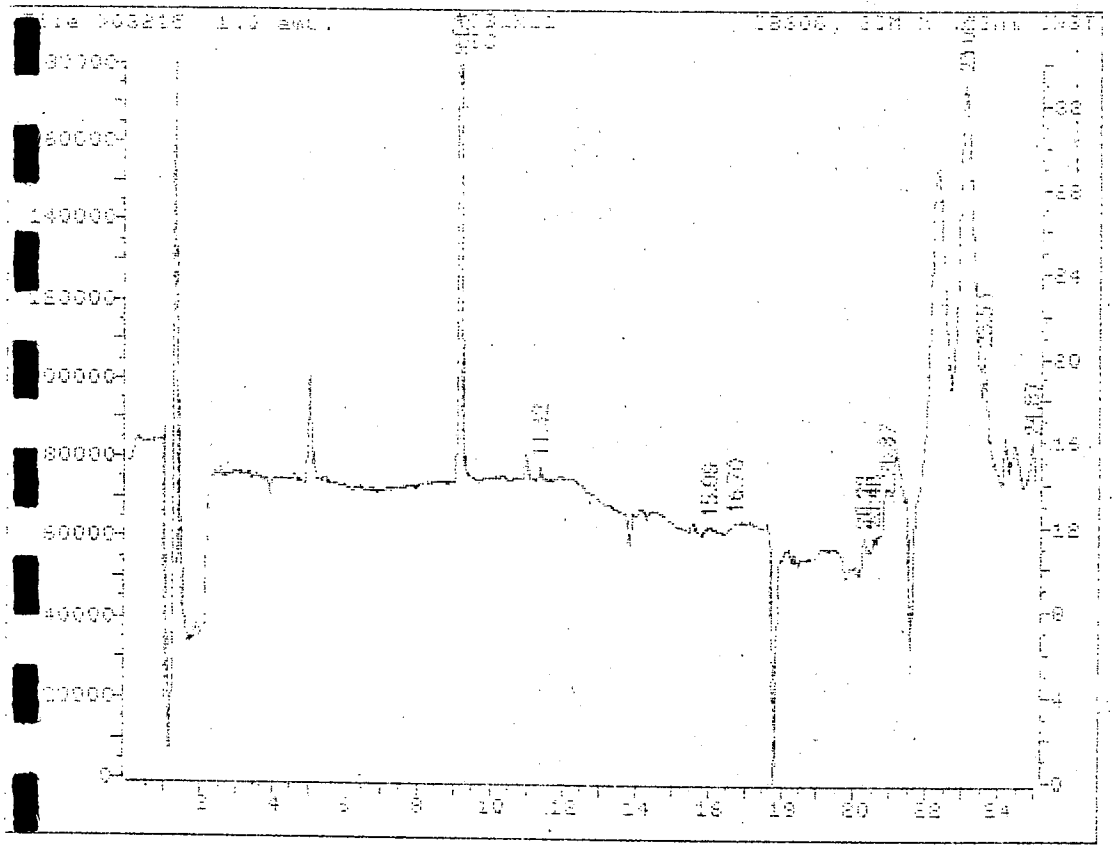


Data File: >03215::C3 Quant. Output File: >03215::F3
Name: PIBLK11 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 56903, 1.1 INJ

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

Operator ID: TRFI2
Quant Time : 960709 15:03
Injected at: 960709 13:17

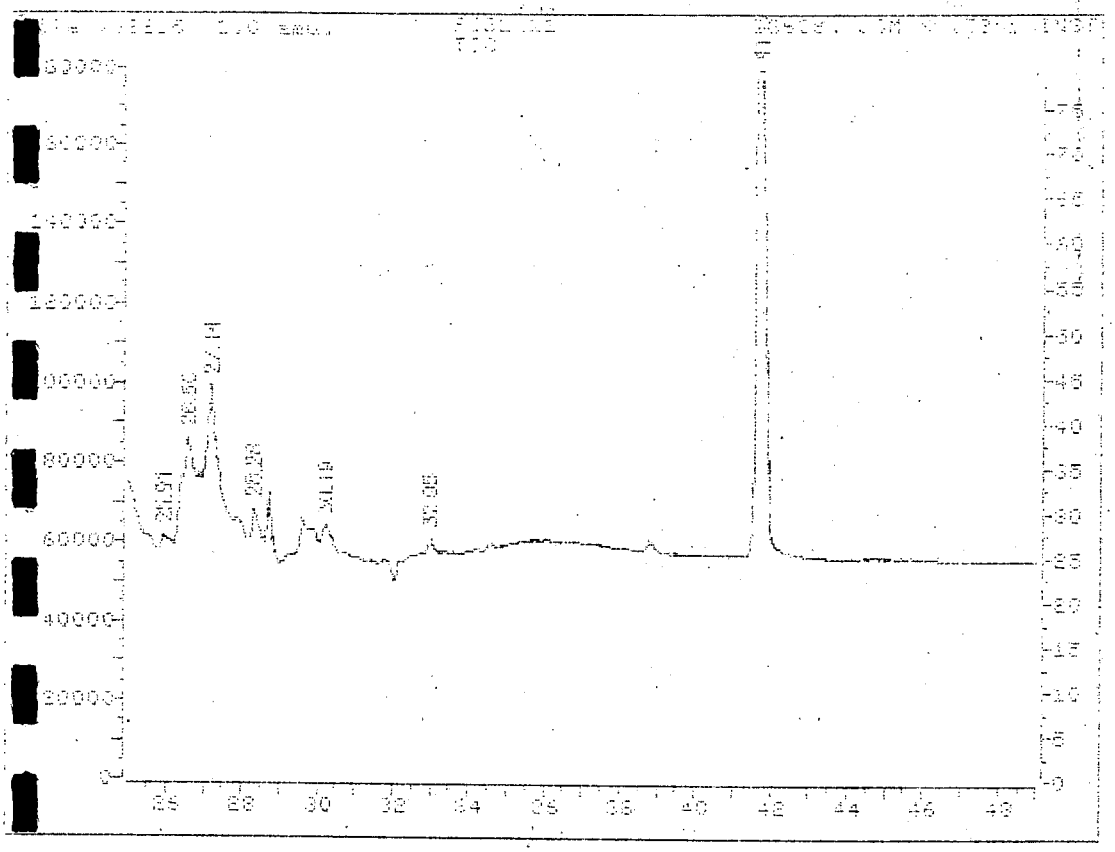
Page 2 of 2



S data file header from : >05215::G5

ample: PIBL/11 Operator: TRFI2 7/09/96 13:17
ist : DB1121 JOM : 55mm INST 58903, 1ul INJ
Sys. #: 0 MS Mode: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC05
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 : >05215::G3.

Sample: PIBLK11 Operator: TRFIC 7/09/96 15:17
Disc : 25603. 50M X .75mm INST 53905. [illegible] INJ
Sys. #: 0 MS model: 92 [illegible] 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: 960709 15:00
Output File: 904215::F3 Injected at: 960709 13:17
Data File: 904215::S1 Dilution Factor: 1.00000
Name: PIBLK10 Instrument ID: SC04
Misc: DB1701, 30M X 53mm INST 58905, 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
1)	#Tetrachloro-m-xylene	9.32	1118	837881	20.23	ng/ml	100
5)	#~~beta BHC~~ OW	18.57	2228	9726	.370	ng/ml	100
4)	#~~delta BHC~~ NC	19.74	2369	98012	4.02	ng/ml	100
7)	#~~Aldrin~~ OW	17.47	2096	16375	.435	ng/ml	100
11)	#~~4,4' DDE~~ OW	22.62	2714	31898	1.15	ng/ml	100
12)	#~~Endrin~~ OW	24.28	2914	57207	1.97	ng/ml	100
13)	#~~Endosulfan II~~ OW	26.63	3195	224023	6.26	ng/ml	100
14)	#~~4,4' DDD~~ OW	26.63	3195	217882	10.31	ng/ml	100
17)	#~~Methoxychlor~~ NC	30.89	3707	48061	3.57	ng/ml	100
18)	#~~Endrin ketone~~ NC	32.94	3952	7618	.271	ng/ml	100
19)	#Decachlorobiphenyl	38.72	4646	916670	19.63	ng/ml	100
20)	#~~alpha Chlordane~~ NC	22.23	2668	22289	.534	ng/ml	100
21)	#~~gamma Chlordane~~ NC	22.00	2640	5397	.135	ng/ml	100
24)	#~~Aroclor 1221(1)~~ NP	7.56	907	73389	92.80	ng/ml	100
25)	#~~Aroclor 1232(1)~~ NP	7.56	907	73389	61.63	ng/ml	100
28)	#~~Aroclor 1254(1)~~ NP	17.47	2096	16375	10.31	ng/ml	100
29)	#~~Aroclor 1260(1)~~ NP	23.79	2855	37398	16.19	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	28.46	3415	29287	40.63	ng/ml	100
37)	#~~Aroclor 1016(5)~~ NP	18.57	2228	9726	4.72	ng/ml	100
46)	#~~Aroclor 1242(5)~~ NP	17.47	2096	16375	20.70	ng/ml	100
48)	#~~Aroclor 1248(3)~~ NP	18.57	2228	9726	3.95	ng/ml	100
50)	#~~Aroclor 1248(5)~~ NP	20.32	2438	45359	47.26	ng/ml	100
51)	#~~Aroclor 1254(2)~~ NP	20.32	2438	43823	21.55	ng/ml	100
52)	#~~Aroclor 1254(3)~~ NP	21.26	2551	207415	113.09	ng/ml	100
53)	#~~Aroclor 1254(4)~~ NP	23.09	2771	100027	39.23	ng/ml	100
54)	#~~Aroclor 1254(5)~~ NP	23.79	2855	37398	27.57	ng/ml	100
55)	#~~Aroclor 1260(2)~~ NP	24.90	2988	210791	77.64	ng/ml	100
56)	#~~Aroclor 1260(3)~~ NP	28.46	3415	29287	16.50	ng/ml	100
58)	#~~Aroclor 1260(5)~~ NP	32.11	3853	82489	33.22	ng/ml	100

Compound uses ESTD

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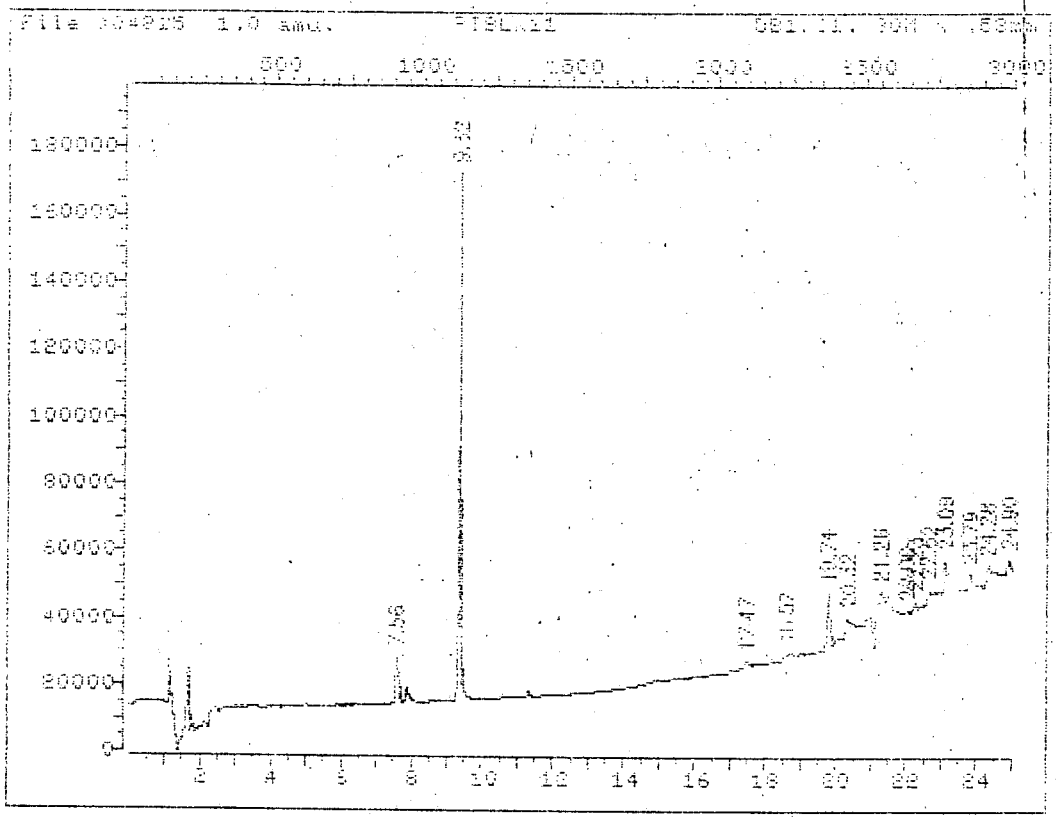

Data File: >04215::G1 Quant Output File: ^04215::F3
Name: PIBLK11 Instrument ID: GC04
Misc: DB1701. 30M X .55mm INST 58905. 1ul INJ

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

Operator ID: TRF12
Quant Time : 960709 15:00
Injected at: 960709 13:17

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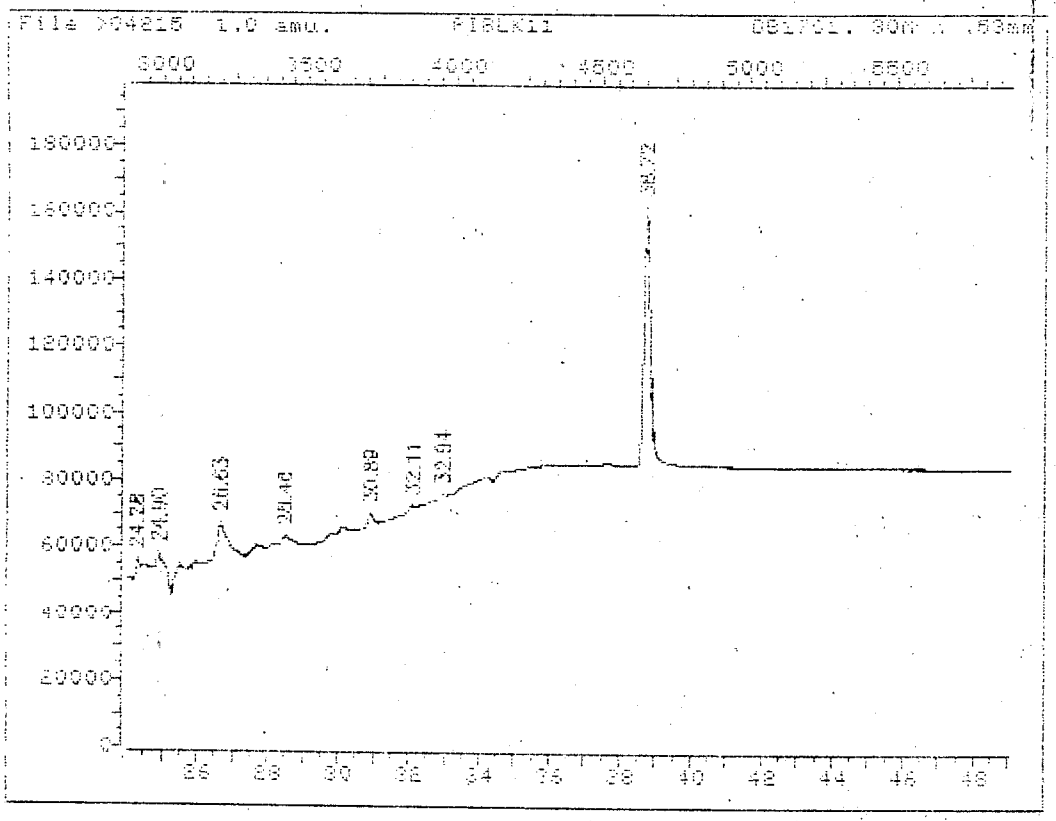
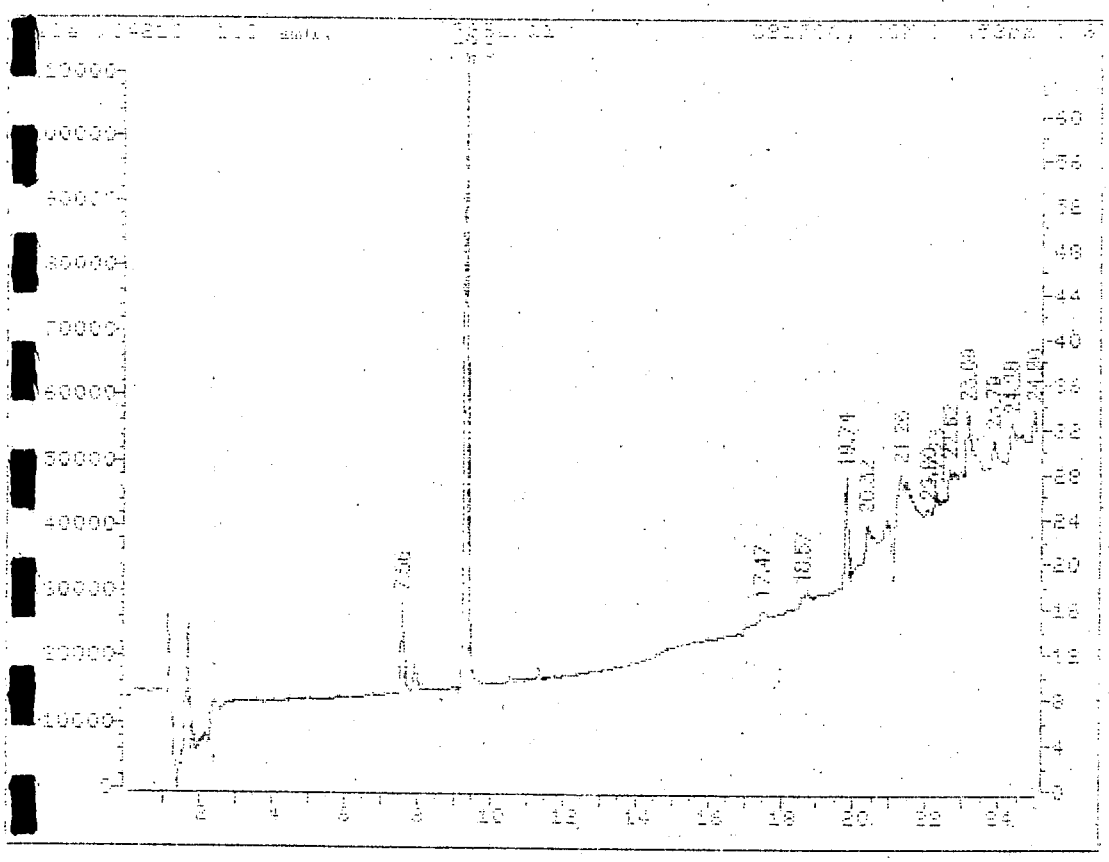


Data File: >04215::S1 Quan: Output File: ^04215::F3
Name: FIBLK11 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58907, 1ul INJ

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

Operator ID: TRFIZ
Quant Time: 960709 15:00
Injected at: 960709 15:17

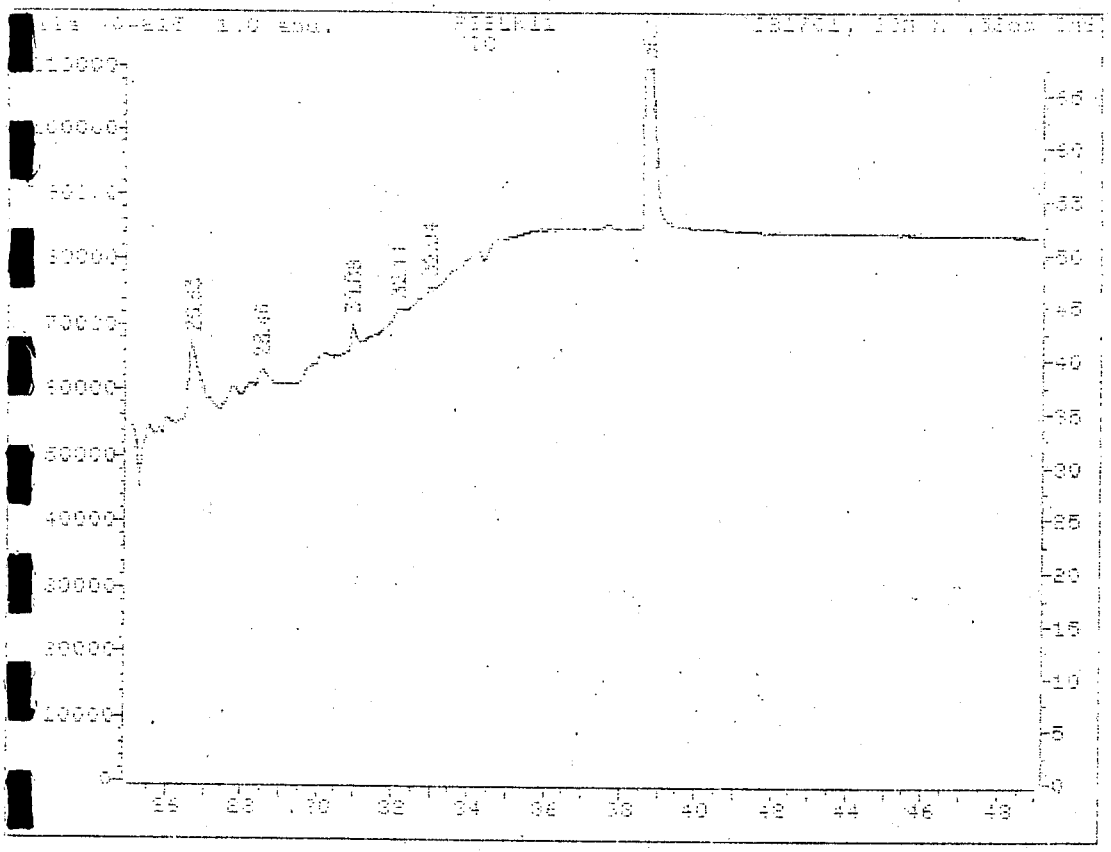
Page 2 of 2



MS data file header from : >04215::G1

Sample: PCBLK11 Operator: TRFIC 7/09/96 13:1?
Disc : DB1701, 30M x 33mm INST 58903, 1ul INC
Sys. v: 0 MS model: 92 CW/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 : >04215::G1

Sample: PIBL/11 Operator: TRFI2 7/09/96 15:17
Disc : 381701, 30M X .55mm INST 5890F, 1ul IND
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 1

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.

PIBLK12

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK12

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03226

% 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: 07/09/96

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: TRFIL
Output File: ^03226::F3
Data File: >03226::G3
Name: PIBLK12
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960710 02:42
Injected at: 960709 22:48
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	9.09	1091	2562859	20.48	ng/ml	100
6)	~~#Heptachlor~~ OW	16.02	1923	19257	.247	ng/ml	100
8)	~~#Heptachlor epoxide~~ OW	19.85	2382	45727	.416	ng/ml	100
9)	#~~Endosulfan~~ I OW	21.71	2605	1466096	12.03	ng/ml	100
10)	~~#Dieldrin~~ NC	23.02	2762	80579	.852	ng/ml	100
11)	~~#4,4' DDE~~ OW	23.02	2762	66670	.729	ng/ml	100
13)	~~#Endosulfan II~~ OW	25.94	3113	16355	.170	ng/ml	100
14)	~~#4,4' DDD~~ OW	25.54	3064	46427	.806	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	28.26	3391	117348	1.32	ng/ml	100
16)	~~#4,4' DDT~~ NC	27.14	3256	507728	7.83	ng/ml	100
18)	~~#Endrin ketone~~ NC	32.96	3955	26062	.289	ng/ml	100
19)	#Decachlorobiphenyl	41.67	5000	2390295	19.97	ng/ml	100
20)	~~#alpha Chlordane~~ OW	21.71	2605	1466096	10.68	ng/ml	100
22)	#~~Toxaphene(1)~~ NP	23.54	2825	308830	192.57	ng/ml	100
27)	#~~Aroclor 1248(1)~~ NP	16.02	1923	19257	2.54	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.41	2929	119546	15.42	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.26	3391	117348	46.95	ng/ml	100
35)	#~~Aroclor 1016(3)~~ NP	16.02	1923	19257	1.74	ng/ml	100
36)	#~~Aroclor 1016(4)~~ NP	16.91	2029	15326	4.10	ng/ml	100
38)	#~~Aroclor-1221(2)~~ NP	11.32	1358	73219	43.57	ng/ml	100
41)	#~~Aroclor 1232(3)~~ NP	16.02	1923	19257	4.09	ng/ml	100
42)	#~~Aroclor 1232(4)~~ NP	16.91	2029	15326	8.90	ng/ml	100
44)	#~~Aroclor 1242(3)~~ NP	16.02	1923	19257	2.16	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.91	2029	15326	4.85	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.49	2459	49642	10.25	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.71	2605	1466096	265.92	ng/ml	100
53)	#~~Aroclor-1254(4)~~ NP	23.54	2825	308113	50.75	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.58	3189	439029	84.10	ng/ml	100
57)	#~~Aroclor 1260(4)~~ NP	30.19	3623	71678	6.63	ng/ml	100
58)	#~~Aroclor 1260(5)~~ NP	32.96	3955	33245	6.02	ng/ml	100

Compound uses ESTD

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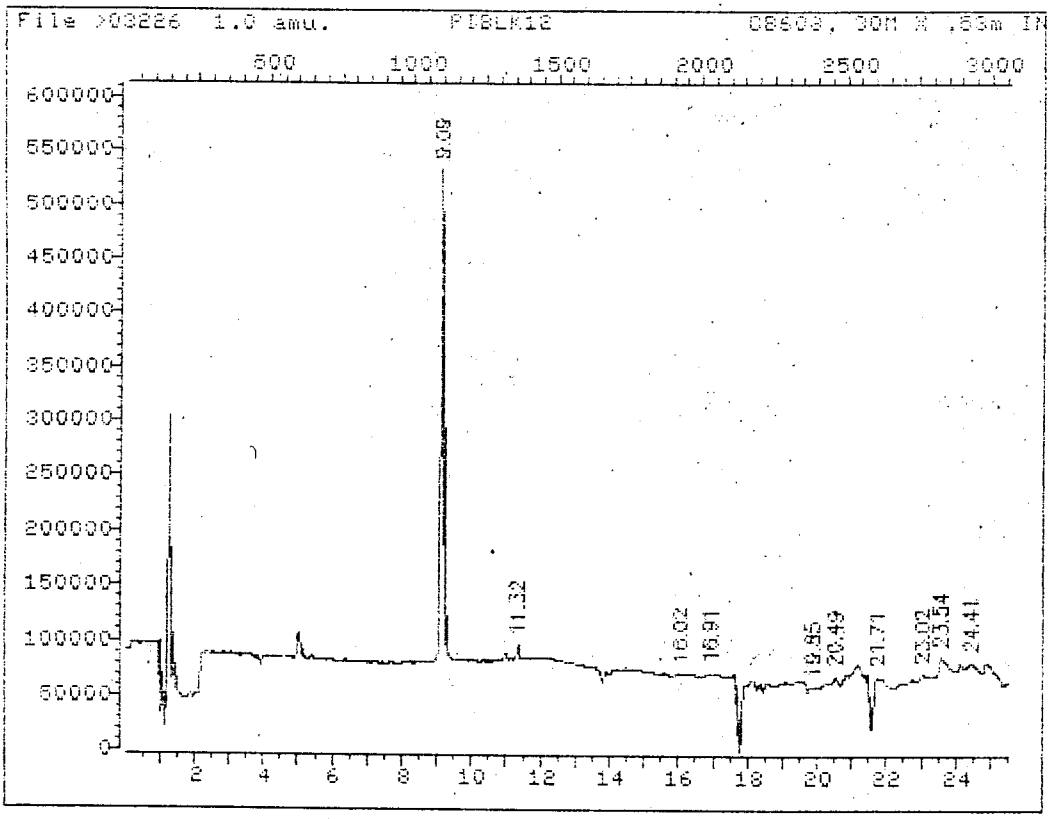
7/10/96

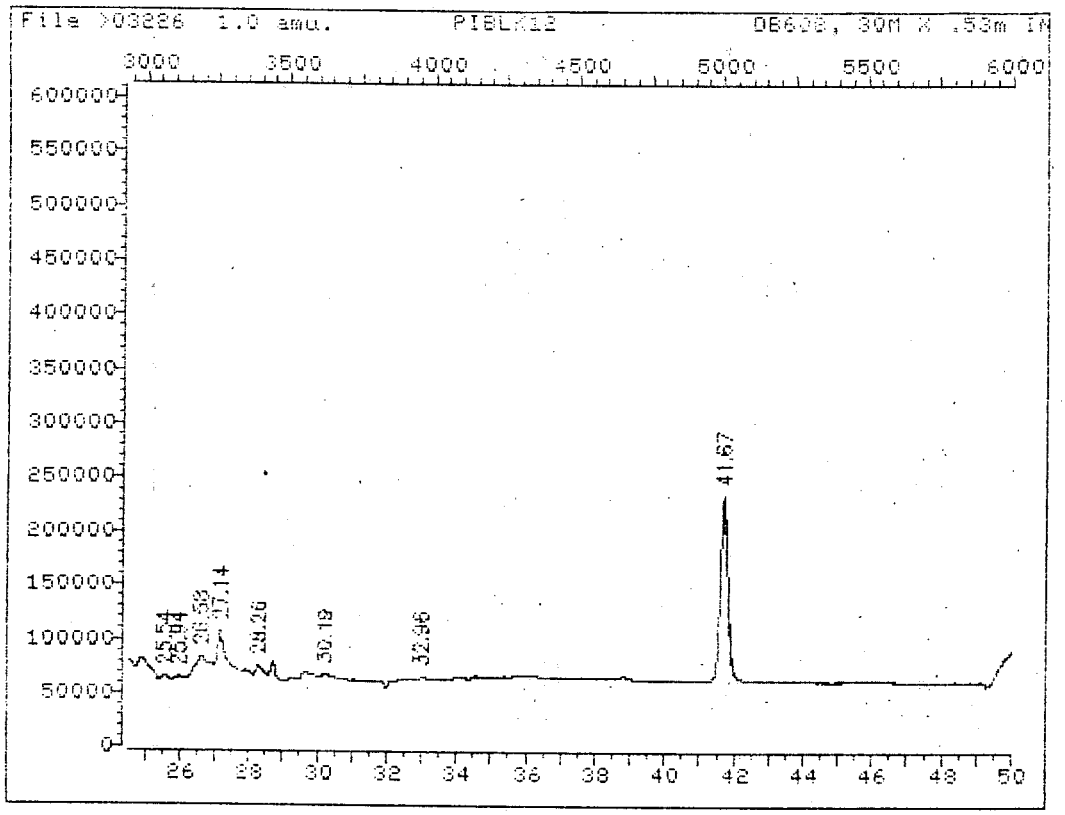


Data File: >03226::G3 Quant Output File: ^03226::F3
Name: PIBLK12 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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 : 960710 02:42
Injected at: 960709 22:48

Page 1 of 2

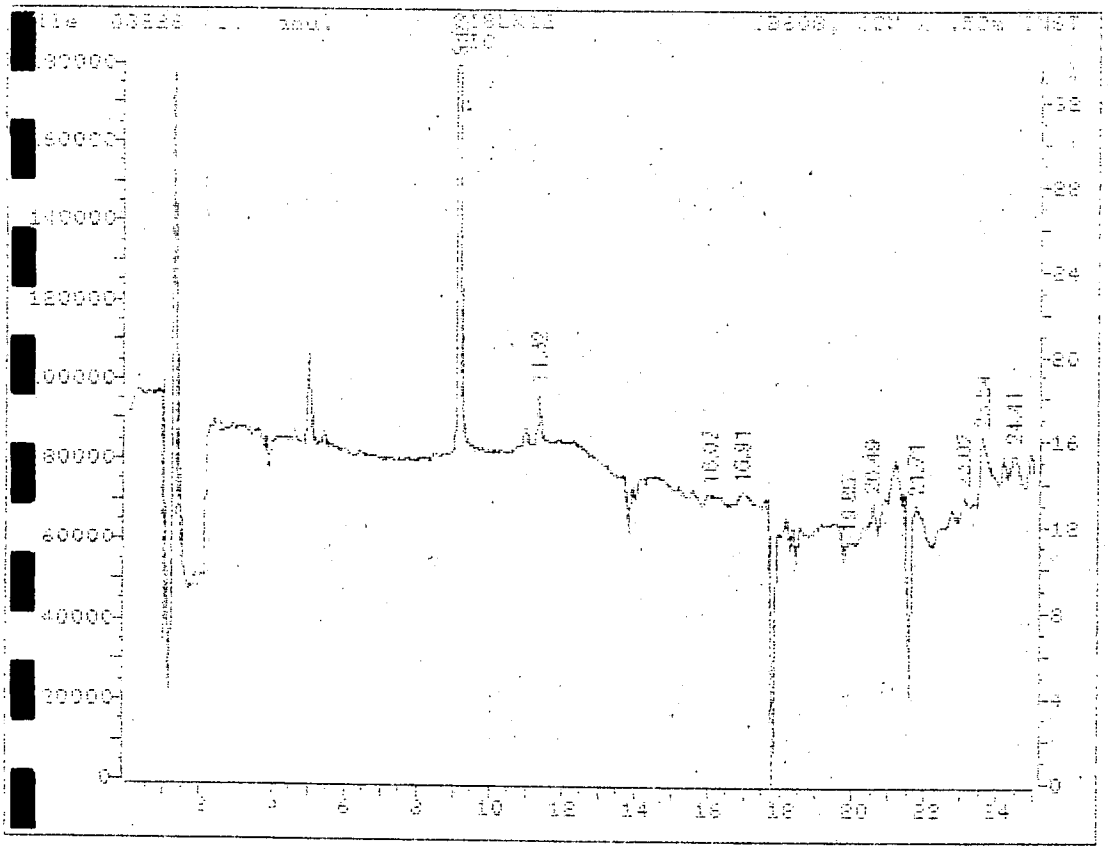


Data File: >03226::G3 Quant Output File: ^03226::F3
Name: PIBLK12 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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 : 960710 02:42
Injected at: 960709 22:48

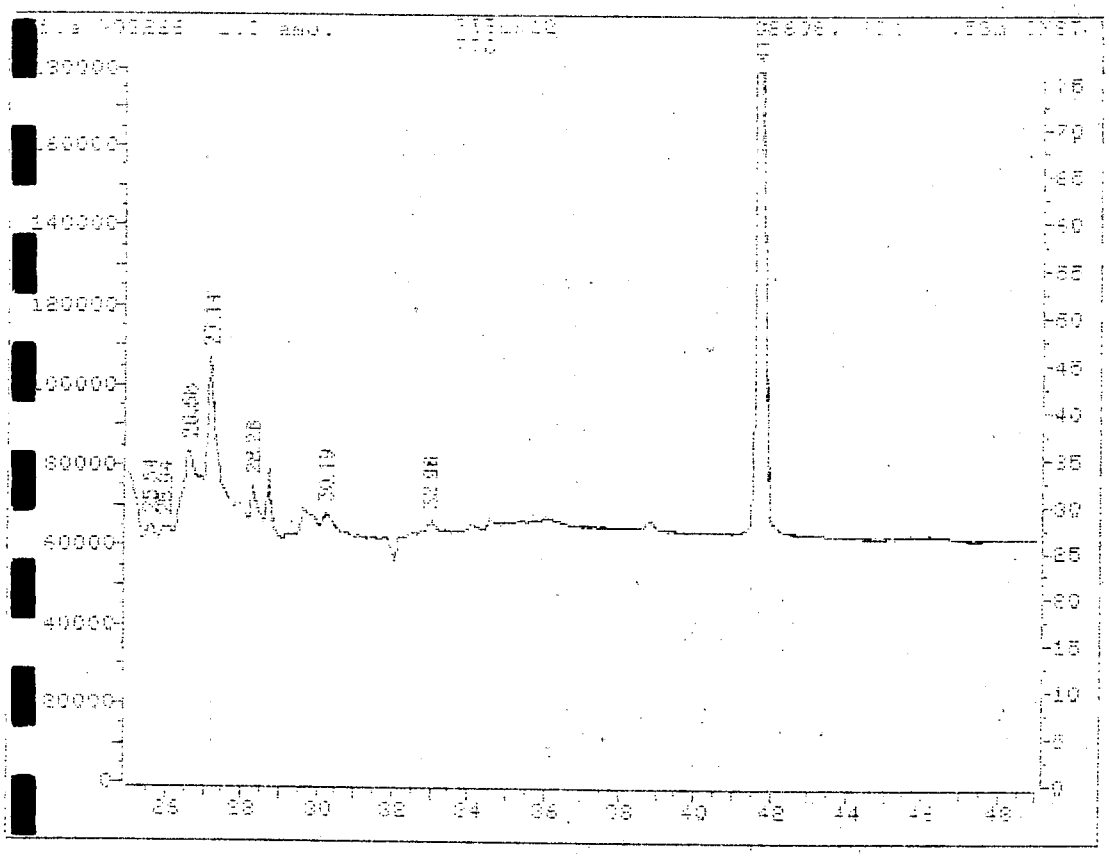
Page 2 of 2



MS data file reader from : >03226::G5

Sample: PIEL-12 Operator: TRFIL 7/09/96 22:48
Misc : 23608, 50M X .55m INST F9903, 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 : >03226::G3

Sample: PISLK12 Operator: TRFIL 7/09/96 22:48
Disc : DB603, 30M X 55m INST 58903, 1ul INJ
Cus. #: 0 MS model: 92 SW/HW rev.: F RLS # : 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: ^04226::F3
Data File: >04226::G1
Name: PIBLK12
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

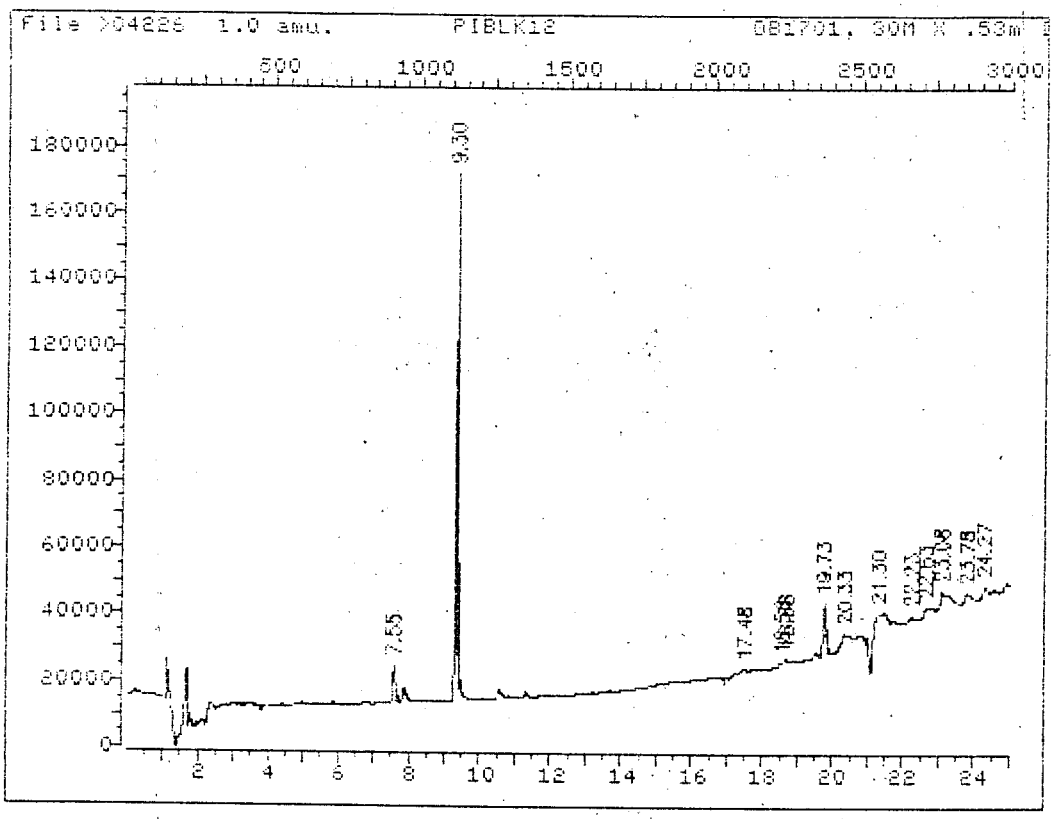
Quant Rev: 7
Quant Time: 960710 02:40
Injected at: 960709 22:48
Dilution Factor: 1.00000
Instrument ID: GC04

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	9.30	1116	843784	20.37	ng/ml	100
3)	~~#beta BHC~~ NC	18.68	2241	11103	.423	ng/ml	100
4)	~~#delta BH~~C NC	19.73	2367	86289	3.54	ng/ml	100
7)	~~#Aldrin~~ OW	17.48	2098	58191	1.55	ng/ml	100
11)	~~#4,4'-DDE~~ OW	22.63	2715	17887	.644	ng/ml	100
12)	~~#Endrin~~ OW	24.27	2912	31090	1.07	ng/ml	100
13)	~~#Endosulfan II~~ OW	26.61	3193	220194	6.15	ng/ml	100
14)	~~#4,4'-DDD~~ NC	26.61	3193	214468	10.15	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.88	3705	72585	5.39	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	939895	20.13	ng/ml	100
20)	~~#alpha Chlordane~~ NC	22.23	2667	18215	.437	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	58922	74.51	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	58922	49.48	ng/ml	100
28)	~~#Aroclor-1254(1)~~ NP	17.48	2098	58191	36.63	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.78	2854	47900	20.73	ng/ml	100
31)	~~#Toxaphene(3)~~ NP	28.47	3416	11422	15.85	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.56	2227	18911	9.18	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.48	2098	58191	73.54	ng/ml	100
48)	~~#Aroclor-1248(5)~~ NP	18.56	2227	18911	7.68	ng/ml	100
51)	~~#Aroclor-1254(2)~~ NP	20.33	2439	66625	32.77	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	21.30	2556	215703	117.61	ng/ml	100
53)	~~#Aroclor-1254(4)~~ NP	23.08	2769	50264	19.71	ng/ml	100
54)	~~#Aroclor-1254(5)~~ NP	23.78	2854	47900	35.32	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	28.47	3416	11422	6.44	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.12	3854	78482	31.60	ng/ml	100

Compound uses ESTD

E Prui
7/10/96

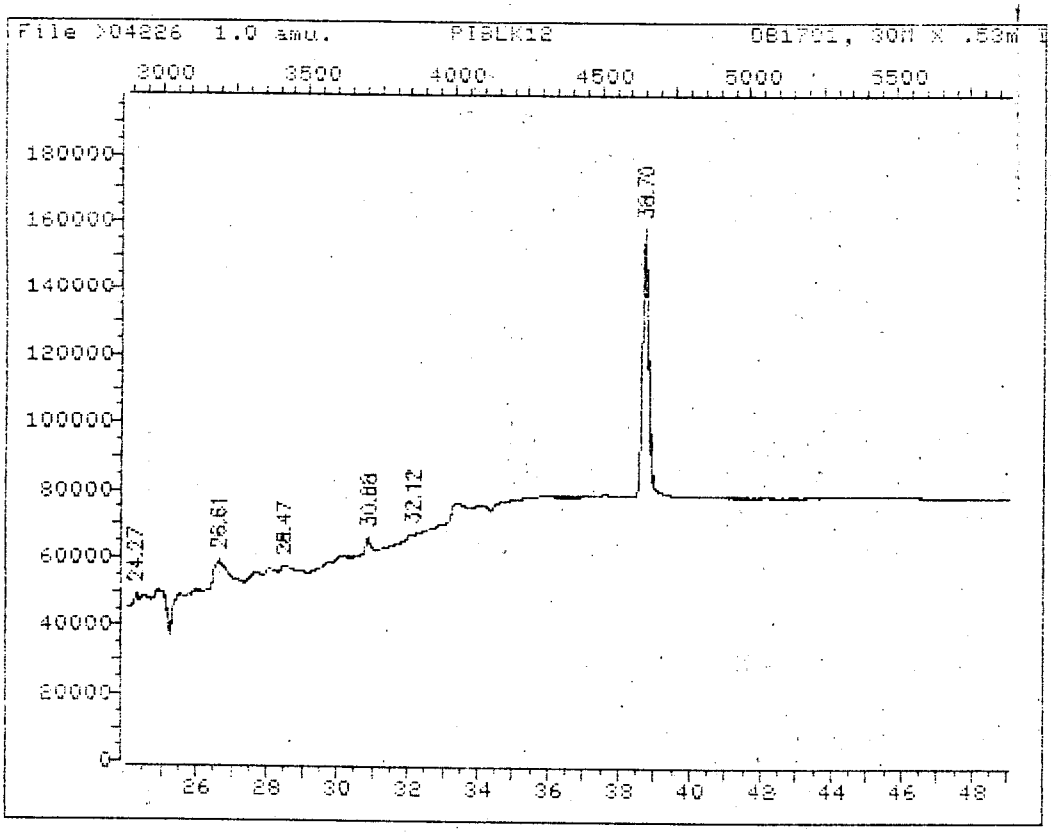


Data File: >04226::G1 Quant Output File: ^04226::F3
Name: PIBLK12 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960710 02:40
Injected at: 960709 22:48

Page 1 of 2

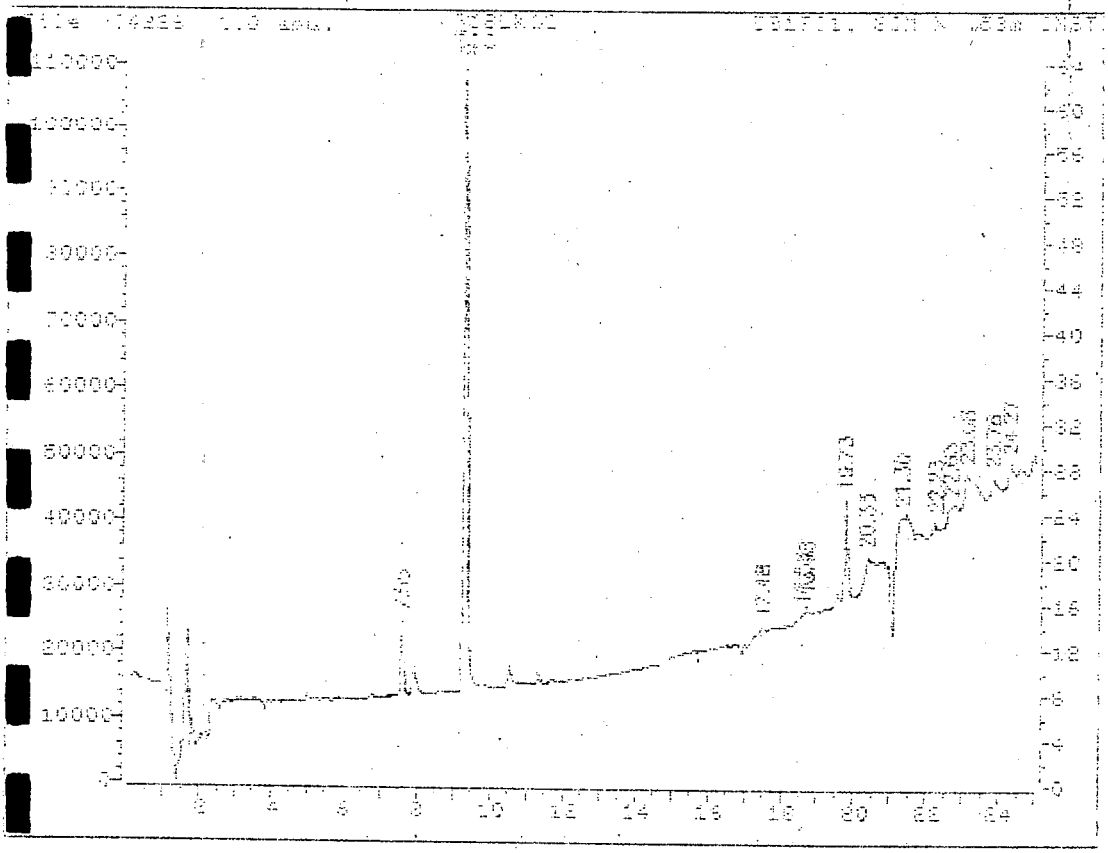


Data File: >04226::G1 Quant Output File: ^04226::F3
Name: PIBLK12 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960710 02:40
Injected at: 960709 22:48

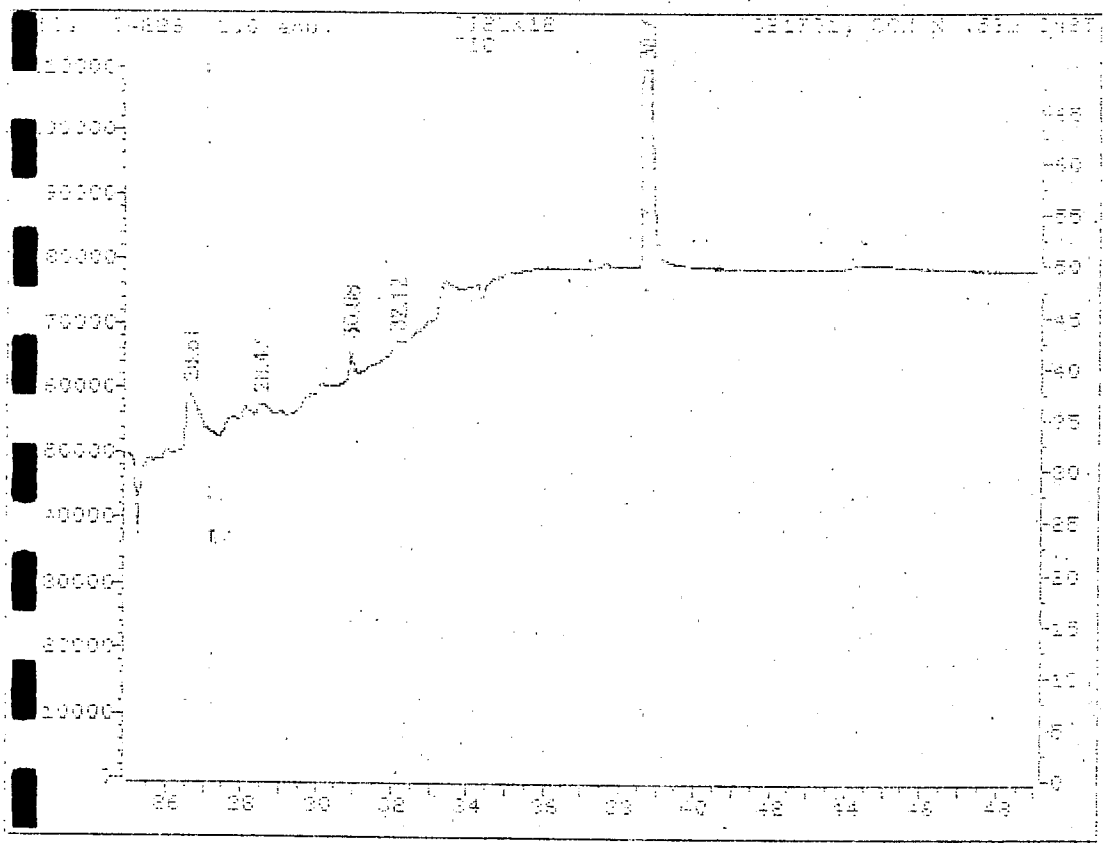
Page 2 of 2



MS data file header from : >04226::81 :

Sample: PISL<12 Operator: TRFIL 7/09/96 22:48
Disc : 251701, 30M X .53m INST #8903, 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 : >04226::G1

Sample: PIBLK1C Operator: TRFIL 7/09/96 22:48
Desc : DB1701, 30M X .53m INST 18903, 1.0 GND
Sub #: 0 MS model: 92 [illegible] 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.

PIBLK13

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK13

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03237

% 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: 07/10/96

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: TRFIL
Output File: ^03237::F3
Date File: >03237::G3
Name: PIBLK13
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960710 09:14
Injected at: 960710 08:19
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	9.08	1090	2596256	20.75	ng/ml	100
5)	#~~gamma BHC (Lindane)~~ NC	14.39	1727	10619	.0777	ng/ml	100
8)	#~~Heptachlor epoxide~~ OW	20.20	2424	24021	.219	ng/ml	100
10)	#~~Dieldrin~~ NC	23.02	2762	9433	.0998	ng/ml	100
14)	#~~4,4' DDD~~ OW	26.02	3122	48222	.837	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	28.34	3401	37203	.420	ng/ml	100
17)	#~~Methoxychlor~~ NC	32.44	3892	5002	.129	ng/ml	100
19)	#Decachlorobiphenyl	41.68	5001	2480188	20.72	ng/ml	100
21)	#~~gamma Chlordane~~ OW	20.87	2504	68000	.577	ng/ml	100
22)	#~~Toxaphene(1)~~ NP	23.53	2823	164257	102.42	ng/ml	100
28)	#~~Aroclor 1254(1)~~ NP	20.87	2504	68000	14.34	ng/ml	100
29)	#~~Aroclor 1260(1)~~ NP	24.41	2929	166615	21.49	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.34	3401	37203	14.88	ng/ml	100
34)	#~~Aroclor 1016(2)~~ NP	14.39	1727	10619	1.62	ng/ml	100
37)	#~~Aroclor 1016(5)~~ NP	18.84	2261	18071	5.32	ng/ml	100
40)	#~~Aroclor 1232(2)~~ NP	14.39	1727	10619	3.76	ng/ml	100
43)	#~~Aroclor 1242(2)~~ NP	14.39	1727	10619	1.97	ng/ml	100
46)	#~~Aroclor 1242(5)~~ NP	18.84	2261	18071	6.05	ng/ml	100
47)	#~~Aroclor 1248(2)~~ NP	17.70	2124	24505	9.39	ng/ml	100
48)	#~~Aroclor 1248(3)~~ NP	18.84	2261	18071	4.35	ng/ml	100
49)	#~~Aroclor 1248(4)~~ NP	20.45	2454	14391	2.97	ng/ml	100
53)	#~~Aroclor 1254(4)~~ NP	23.53	2823	151116	24.89	ng/ml	100
56)	#~~Aroclor 1260(3)~~ NP	26.60	3192	338760	64.89	ng/ml	100
58)	#~~Aroclor 1260(5)~~ NP	33.00	3960	18426	3.34	ng/ml	100

Compound uses ESTD

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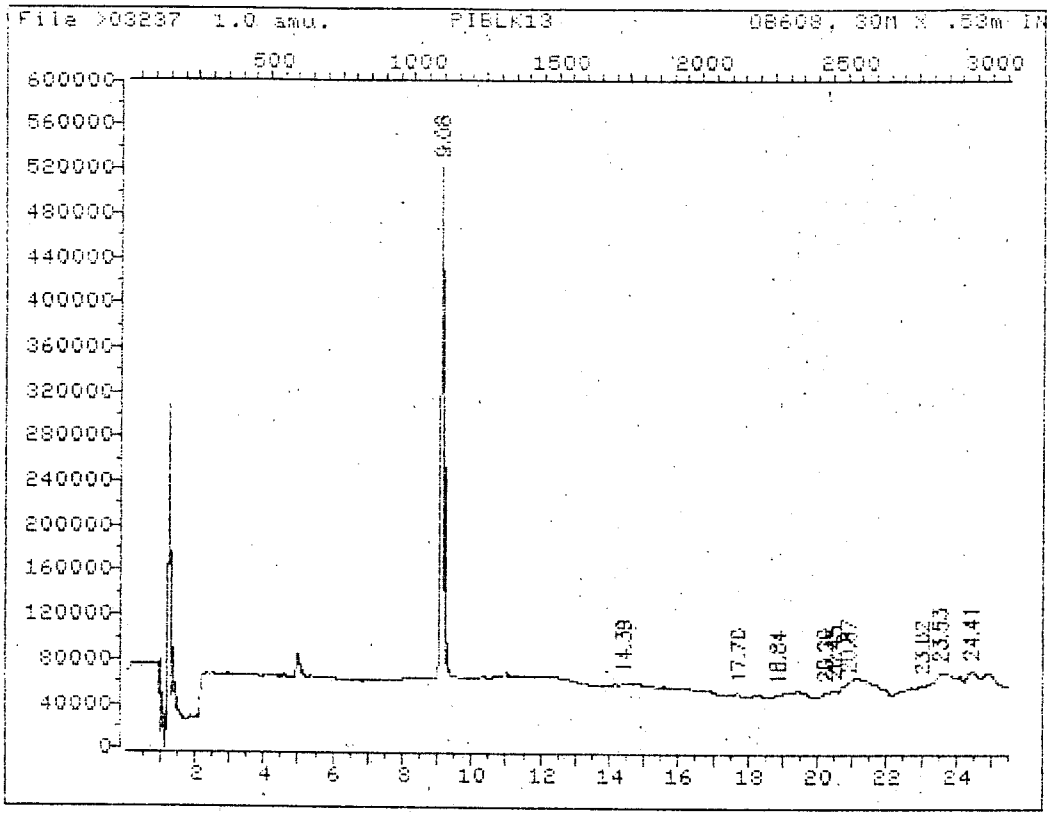
7/10/96



Data File: >03237::G3 Quant Output File: ^03237::F3
Name: PIBLK13 Instrument ID: GC03
Misc: DB608, 30M X .53m 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 : 960710 09:14
Injected at: 960710 08:19

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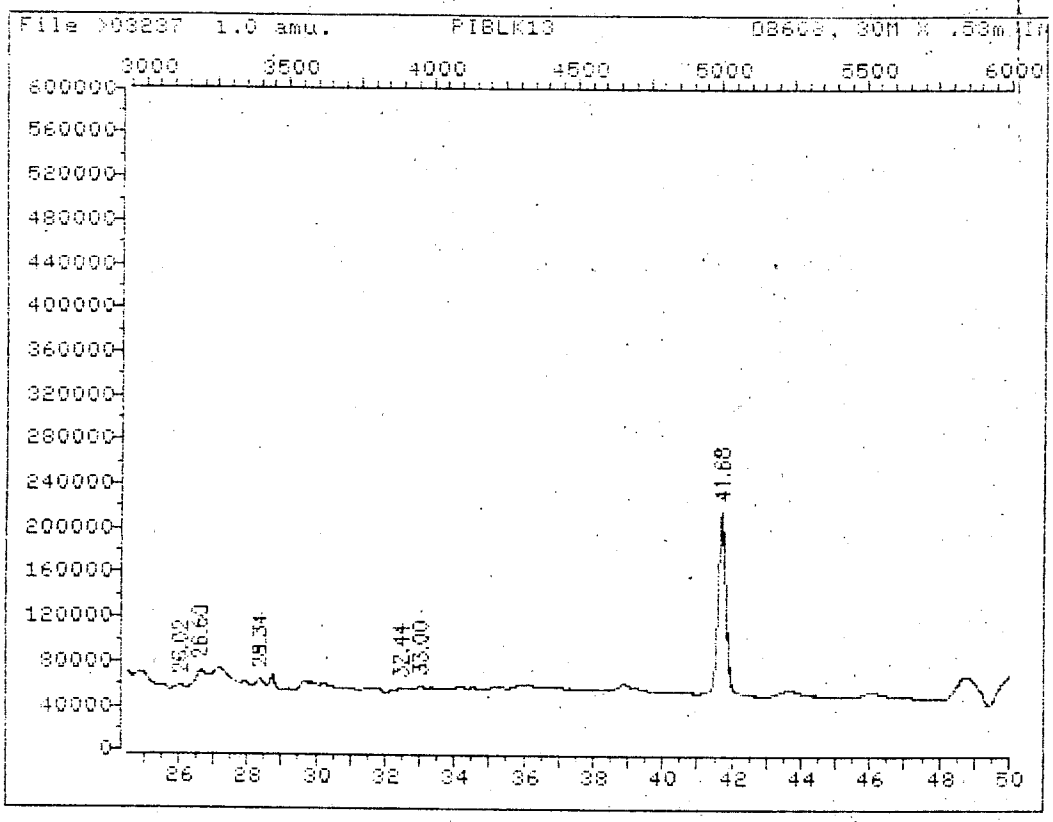

Data File: >03237::G3 Quant Output File: ^03237::F3
Name: PIBLK13 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ.

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 : 960710 09:14
Injected at: 960710 08:19

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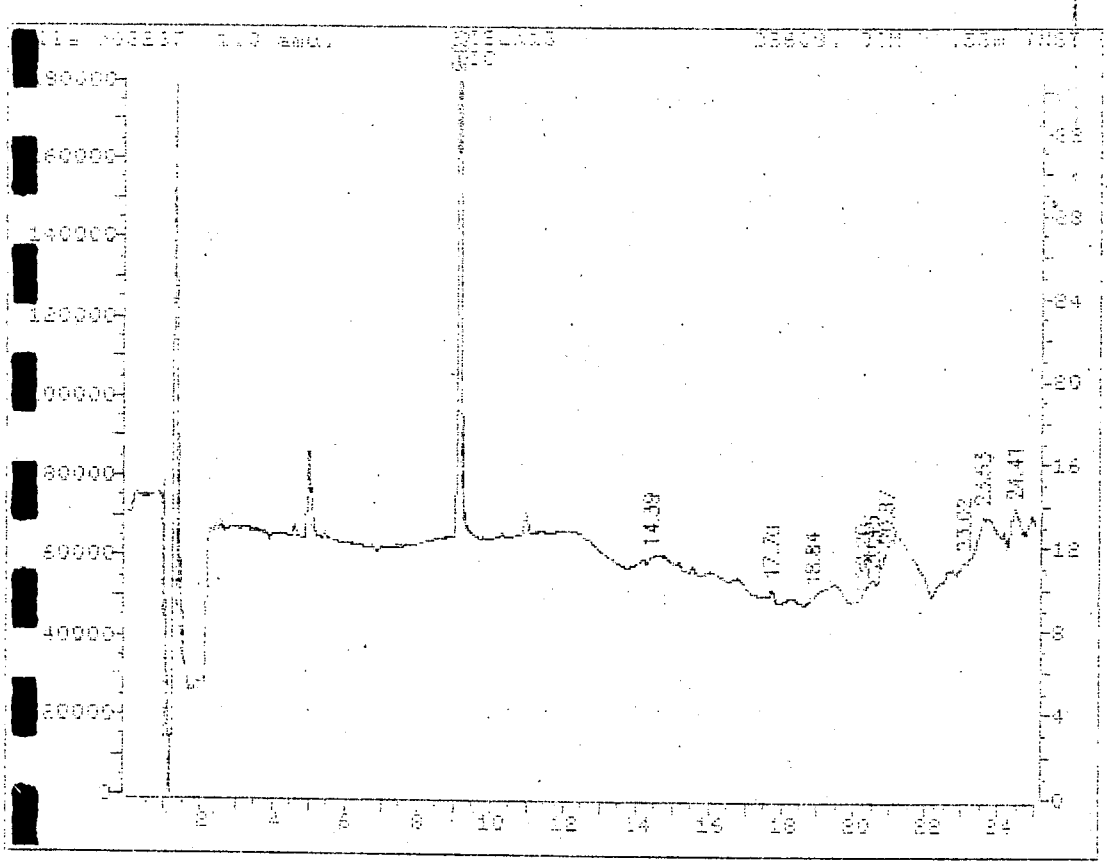
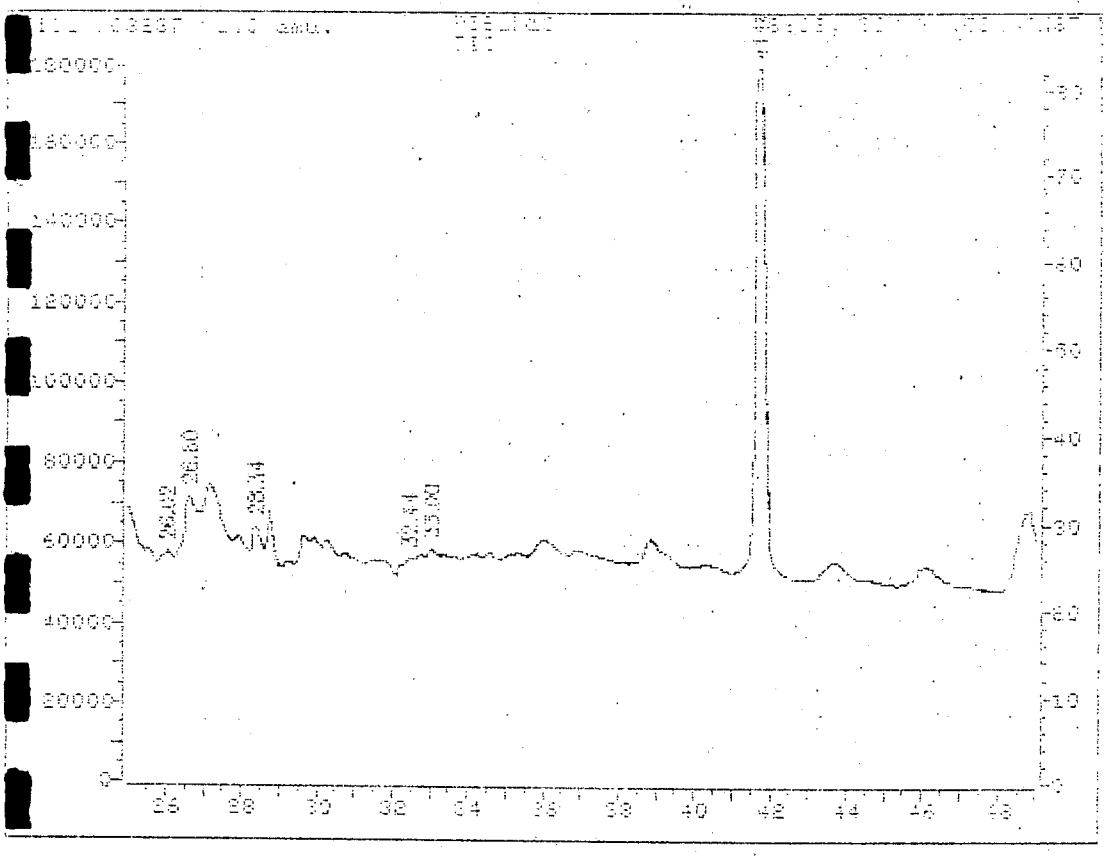


MS data file header from : >03237::G3

Sample: PIBL/13 Operator: TRFIL 7/10/96 8:19
Misc : DB6IS, 30M X .55m INST 58903, 1L1 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 : >03237::G3

Sample: PIBLK13 Operator: TRFIL 7/10/96 9:19
Misc : CB606, 30M X .53m INST 38903, 1ul ING
Sys. #: 0 MS model: #2 3L/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: ^04237::F3
Data File: >04237::G1
Name: PIBLK13
Misc: DB1701. 30M X .53m INST 58903. 1ul INJ

Quant Rev: 7
Quant Time: 960710 09:11
Injected at: 960710 08:19
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	865160	20.89	ng/ml	100
3)	~~#beta BHC~~ OW	18.53	2224	26262	.999	ng/ml	100
11)	~~#4,4' DDE~~ OW	22.59	2711	31383	1.13	ng/ml	100
12)	~~#Endrin~~ OW	24.26	2911	9017	.311	ng/ml	100
13)	~~#Endosulfan II~~ OW	26.61	3193	34767	.971	ng/ml	100
14)	~~#4,4' DDD~~ NC	26.61	3193	33952	1.61	ng/ml	100
17)	~~#Methoxychlor~~ OW	30.95	3714	48653	3.61	ng/ml	100
19)	#Decachlorobiphenyl	38.72	4646	964333	20.65	ng/ml	100
24)	~~#Aroclor 1221(1)~~ NP	7.55	906	57311	72.47	ng/ml	100
25)	~~#Aroclor 1232(1)~~ NP	7.55	906	57311	48.13	ng/ml	100
29)	~~#Aroclor 1260(1)~~ NP	23.77	2852	8097	3.50	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.28	3393	59473	82.52	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.70	3804	13351	26.61	ng/ml	100
36)	~~#Aroclor 1016(4)~~ NP	16.49	1979	8169	5.61	ng/ml	100
37)	~~#Aroclor 1016(5)~~ NP	18.53	2224	26262	12.74	ng/ml	100
45)	~~#Aroclor 1242(4)~~ NP	16.49	1979	8169	7.15	ng/ml	100
48)	~~#Aroclor 1248(3)~~ NP	18.53	2224	26262	10.66	ng/ml	100
50)	~~#Aroclor 1248(5)~~ NP	20.30	2436	13006	13.55	ng/ml	100
51)	~~#Aroclor 1254(2)~~ NP	20.30	2436	11182	5.50	ng/ml	100
52)	~~#Aroclor 1254(3)~~ NP	21.11	2533	15663	8.54	ng/ml	100
53)	~~#Aroclor 1254(4)~~ NP	23.07	2768	11326	4.44	ng/ml	100
54)	~~#Aroclor 1254(5)~~ NP	23.77	2852	8097	5.97	ng/ml	100
56)	~~#Aroclor 1260(3)~~ NP	28.28	3393	59473	33.51	ng/ml	100

Compound uses ESTD

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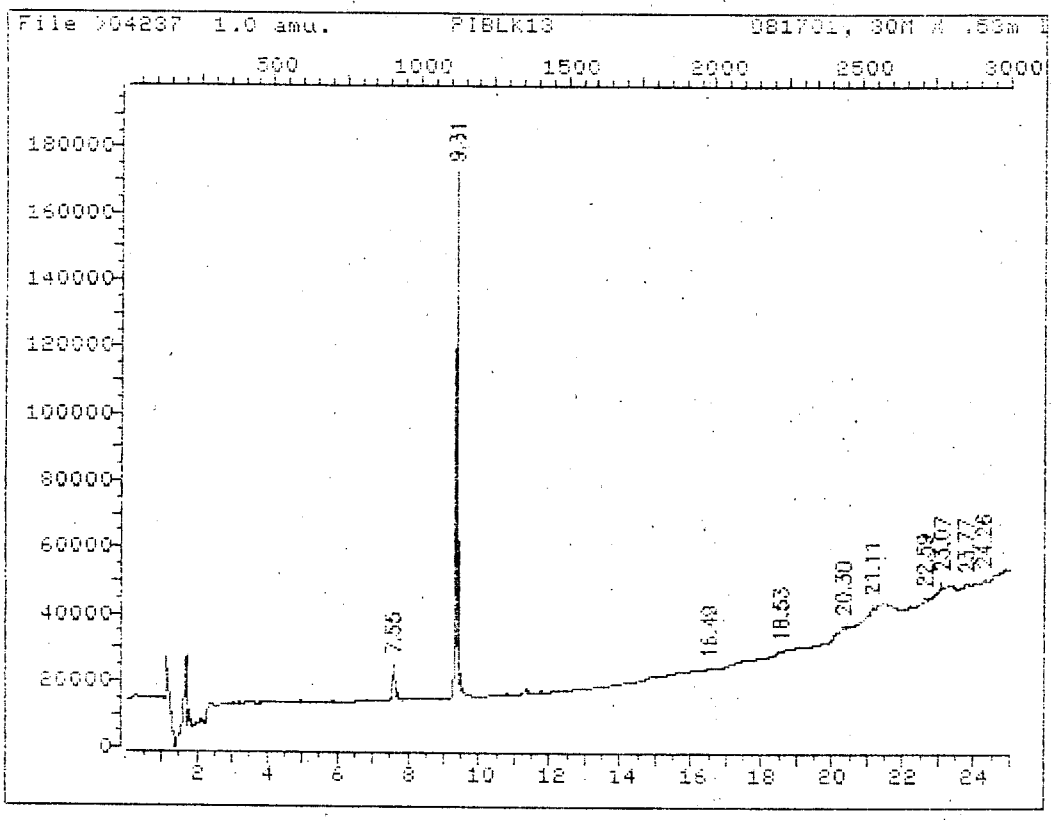
7/10/96



Data File: >04237::G1 Quant Output File: ^04237::F3
Name: PIBLK13 Instrument ID: GC04
Misc: DB1701, 30M X .53m 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 : 960710 09:11
Injected at: 960710 08:19

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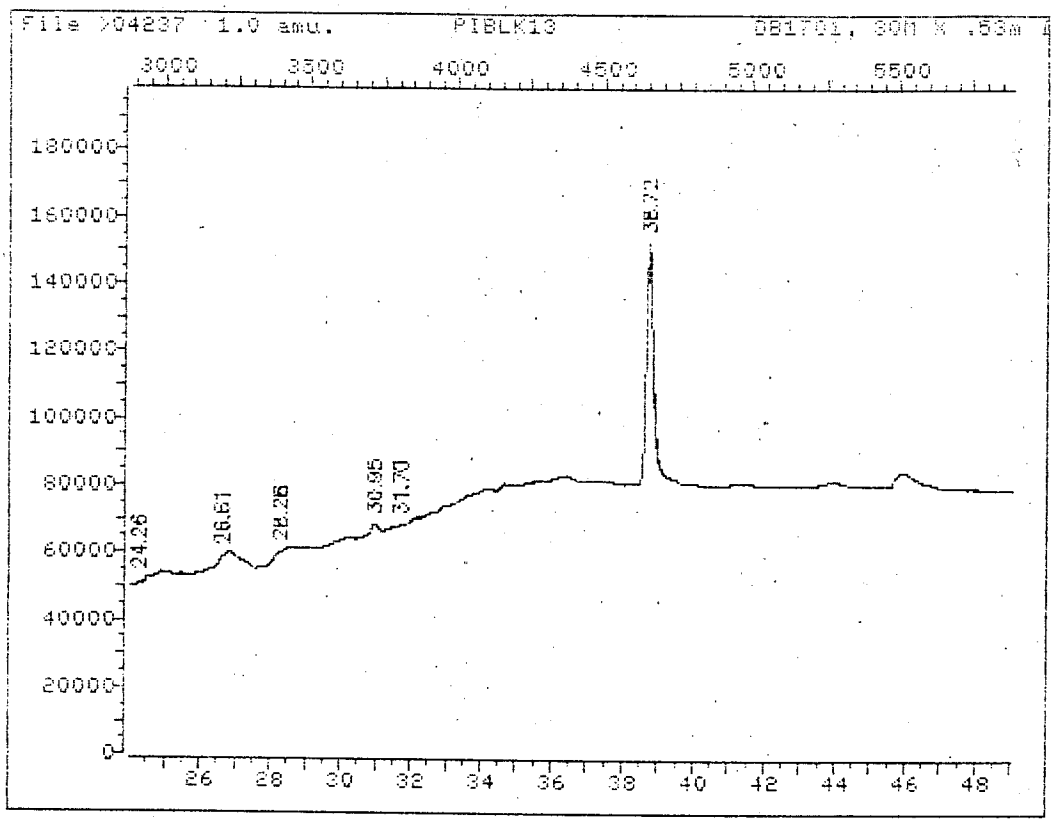

Data File: >04237::G1 Quant Output File: ^04237::F3
Name: PIBLK13 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960710 09:11
Injected at: 960710 08:19

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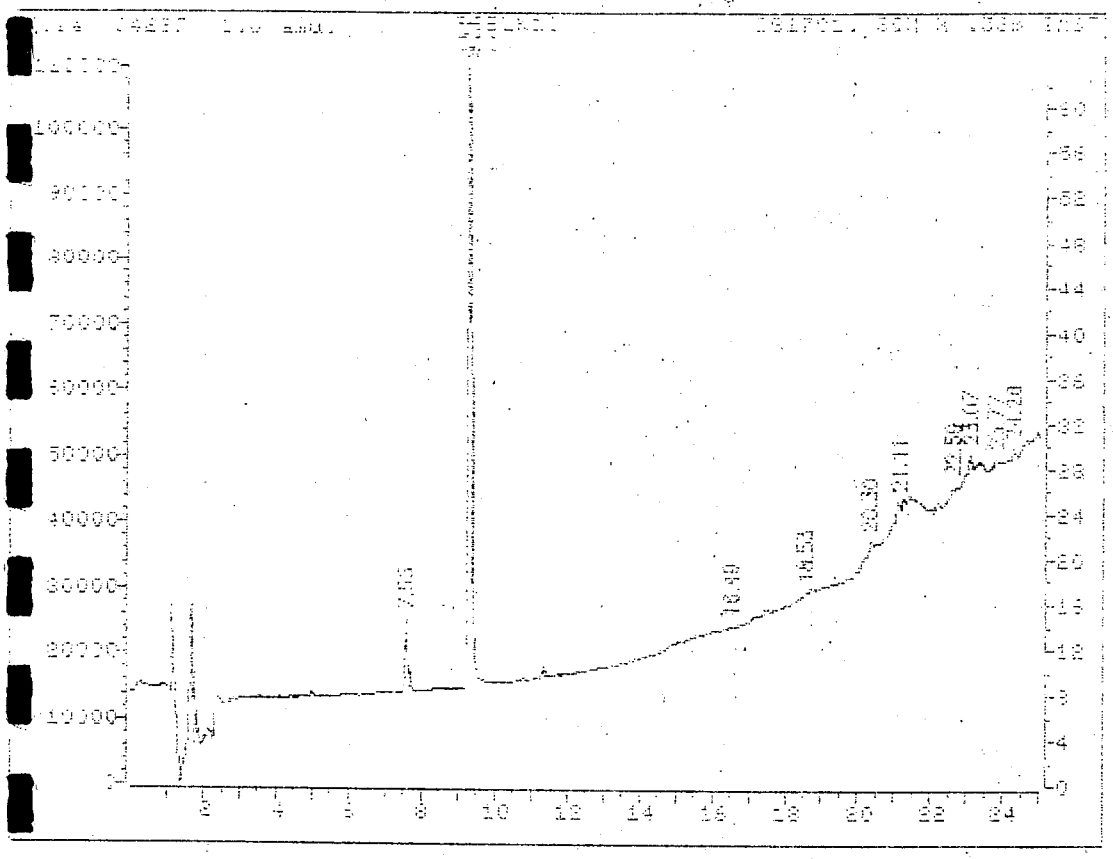
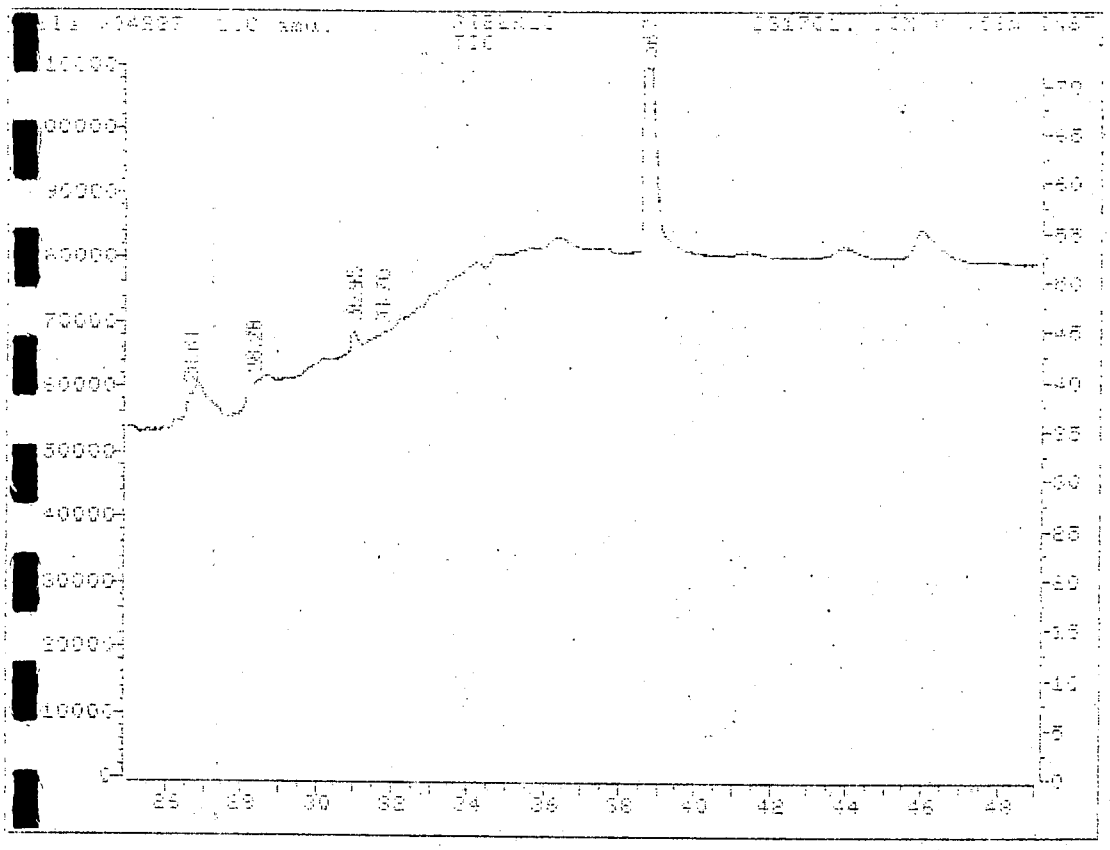


MS data file header from : 04257::G1

Sample: PIBL:13 Operator: TRFIL 7/10/96 8:19
File : 081701, 30M X .55m INST 52903, 1ul INJ
Sys #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 0

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 : >04237::G1

Sample: PIBLK15 Operator: TRFIL 7/10/96 8:19
Misc - DB1701. 30M X .53m INST 53903. 1ul INJ
Sys. #: 0 MS mode: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra reserves: 0

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.

PIBLK14

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK14

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03245

% 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: 07/10/96

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

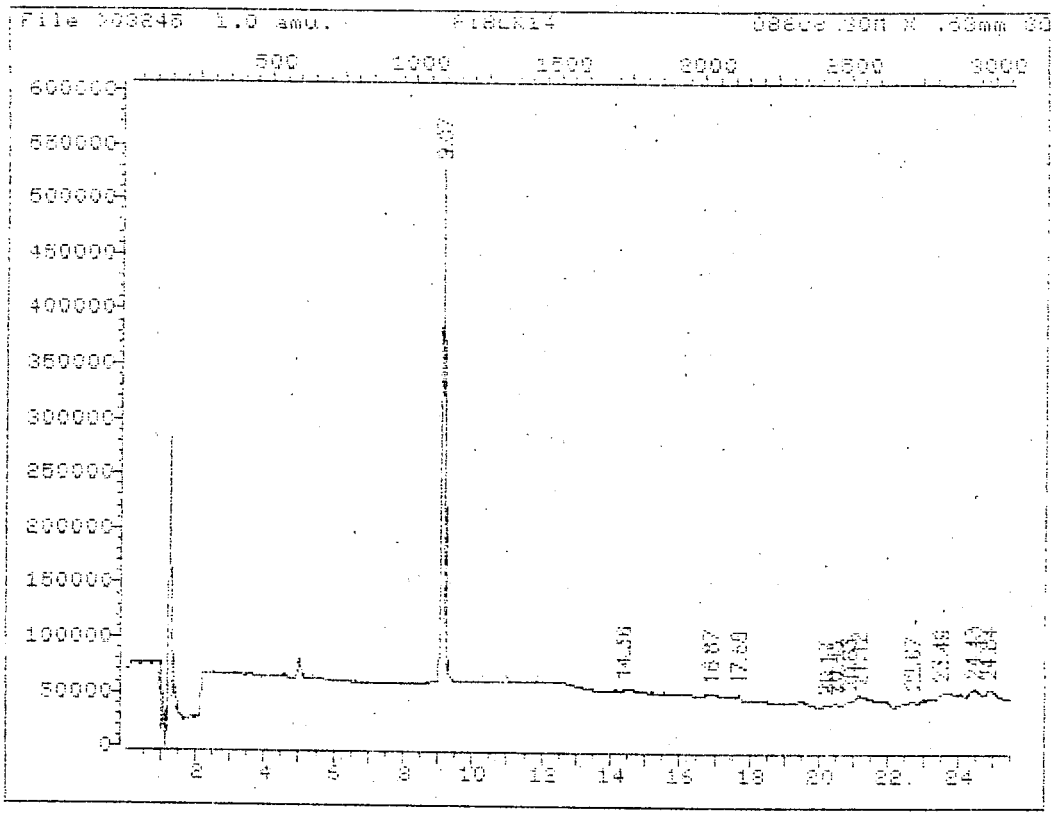
Operator ID: TRFIZ
Quant Rev: 7
Quant Time: 960712 13:03
Output File: ^03245::GQ
Injected at: 960710 18:56
Data File: >03245::G1
Dilution Factor: 1.00000
Name: PIBLK19
Instrument ID: GC03
Misc: DB608 30M X .53mm SC58903 1ul inj.

ID File: IDCA81::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Cal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2623832	20.97	ng/ml	100
6)	#~~gamma-BHC (Lindane)~~ NC	14.36	1723	10147	.0743	ng/ml	100
8)	#~~Heptachlor epoxide~~ OW	20.17	2420	15791	.144	ng/ml	100
11)	#~~4,4'-DDE~~ OW	22.67	2720	138023	1.51	ng/ml	100
12)	#~~Endrin~~ NC	24.84	2981	24305	.284	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	28.34	3400	74736	.843	ng/ml	100
16)	#~~4,4'-DDT~~ OW	27.12	3254	17344	.268	ng/ml	100
18)	#~~Endrin ketone~~ OW	32.98	3957	18655	.207	ng/ml	100
19)	%Decachlorobiphenyl	41.62	4994	2392960	19.99	ng/ml	100
21)	#~~gamma-Chlordane~~ NC	20.83	2500	46637	.396	ng/ml	100
28)	#~~Aroclor-1254(1)~~ NP	20.83	2500	46637	9.84	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.43	2931	145673	18.79	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.34	3400	74736	29.90	ng/ml	100
34)	#~~Aroclor-1016(2)~~ NP	14.36	1723	10147	1.55	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.87	2024	38760	10.38	ng/ml	100
40)	#~~Aroclor-1232(2)~~ NP	14.36	1723	10147	3.60	ng/ml	100
42)	#~~Aroclor-1232(4)~~ NP	16.87	2024	38760	22.51	ng/ml	100
43)	#~~Aroclor-1242(2)~~ NP	14.36	1723	10147	1.89	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.87	2024	38760	12.25	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	17.68	2122	46617	17.87	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.43	2452	30318	6.26	ng/ml	100
51)	#~~Aroclor-1254(2)~~ NP	21.12	2534	54095	9.76	ng/ml	100
52)	#~~Aroclor-1254(3)~~ NP	22.67	2720	138023	85.60	ng/ml	100
53)	#~~Aroclor-1254(4)~~ NP	23.49	2819	47559	7.83	ng/ml	100
54)	#~~Aroclor-1254(5)~~ NP	24.84	2981	24305	6.78	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	24.84	2981	24305	3.47	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.59	3191	198065	37.94	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.22	3626	11798	1.09	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.98	3957	18655	3.38	ng/ml	100

Compound uses ESTD

EPM
2/13/96

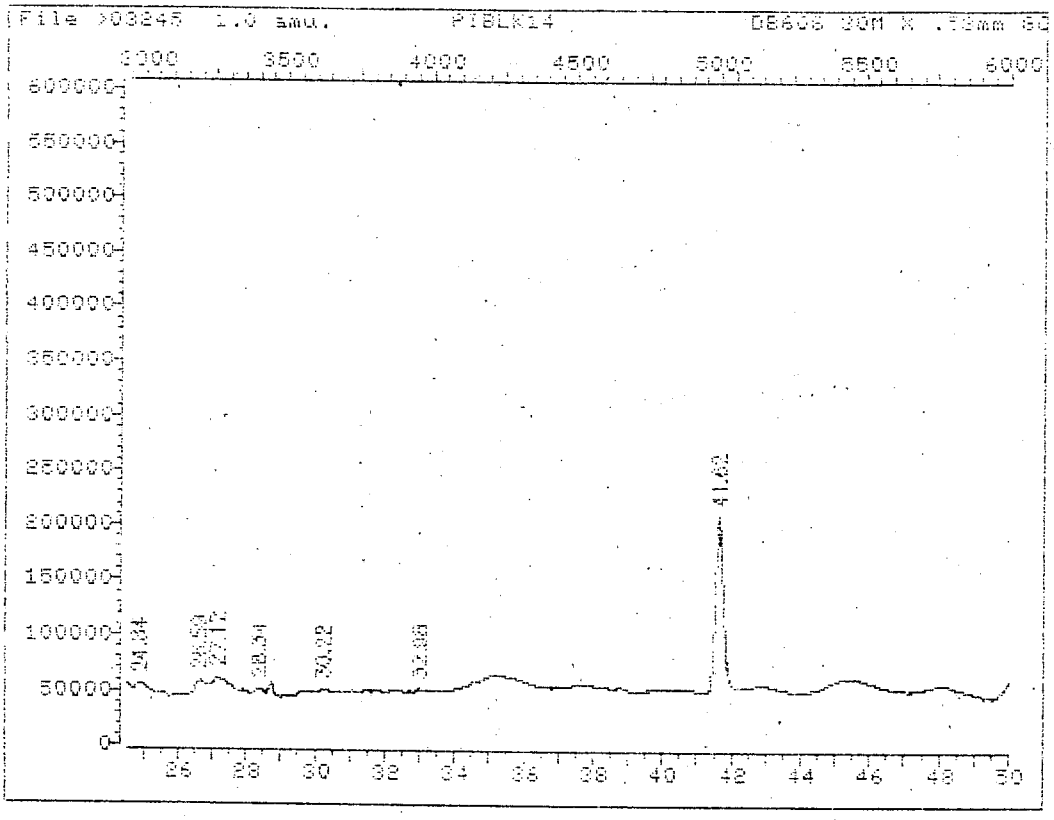


Data File: >03245::G1 Quant Output File: >03245::GQ
Name: PISLK14 Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

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

Operator ID: TRFI2
Quant Time : 960712 13:03
Injected at: 960710 18:56

Page 1 of 2



Data File: >03245::G1
Name: PIBLK14
Misc: DB608 30M X .53mm GC58903 1ul inj.

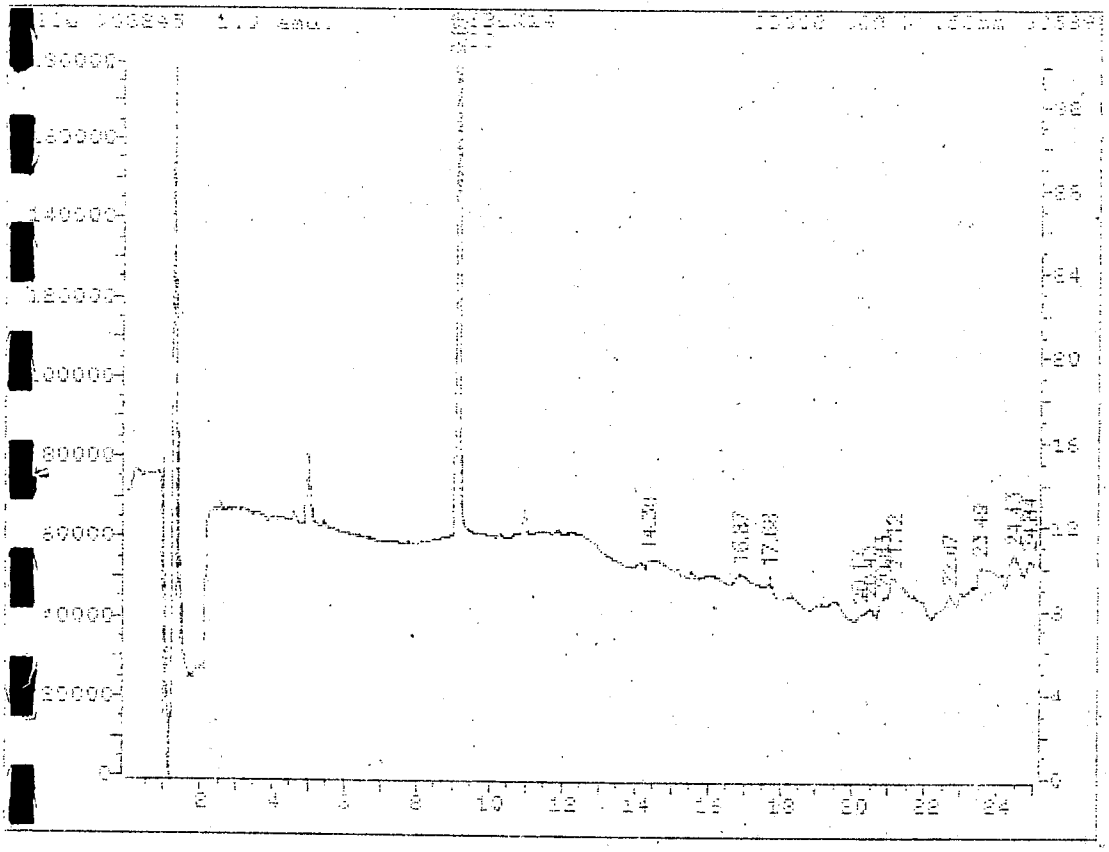
Quant Output File: ^03245::GQ
Instrument ID: GC03

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07

Last Goal Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 15:03
Injected at: 960710 18:56

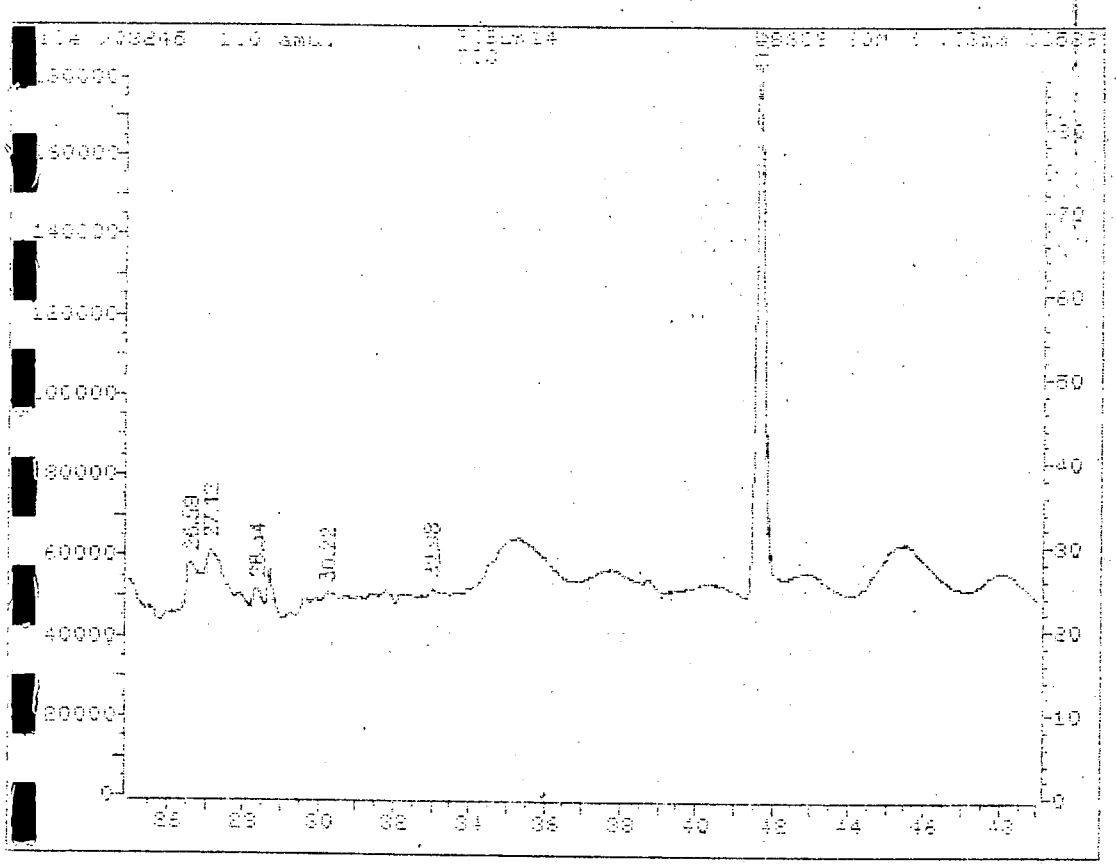
Page 2 of 2



MS data file header from : >05245::G1

Sample: PIBLX14 Operator: TRFIC 7/10/96 18:56
Disc : DB608 30M X .53mm GC58903 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 : >03245:#G1

Sample: PIBL/14 Operator: TRFI2 7/10/96 18:56
Misc : DB606 30M X .53mm GC58903 1ul inj.
Cus. #: 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

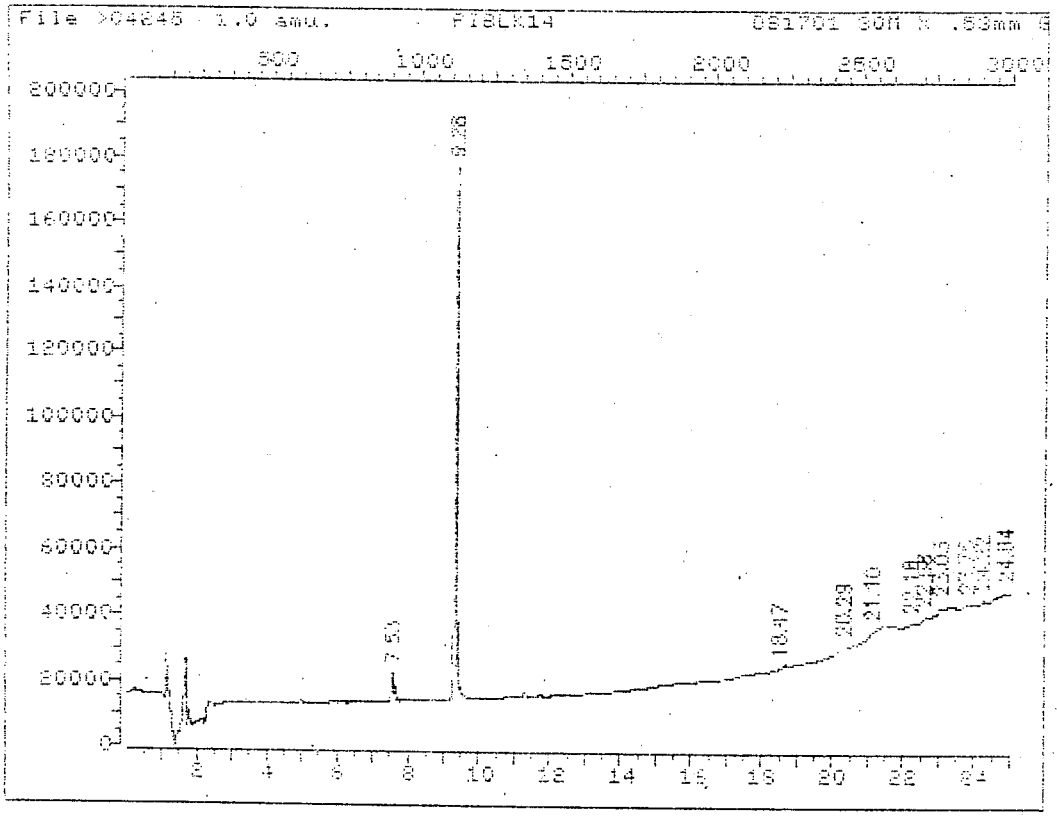
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:20
Output File: >04245::G3 Injected at: 960710 18:56
Data File: >04245::G3 Dilution Factor: 1.00000
Name: PIBLK14 Instrument ID: GC04
Misc: DB1701 30M X .53mm SC58903 1ul inj.

MD File: IBCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Qual Time: 960701 21:23

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.28	1114	854809	20.64	ng/ml	100
3)	#~~beta-BHC~~ OW	18.47	2216	10938	.416	ng/ml	100
11)	#~~4,4'-DDE~~ OW	22.58	2709	12586	.453	ng/ml	100
12)	~~Endrin~~ OW	24.22	2906	10746	.371	ng/ml	100
13)	#~~Endosulfan II~~ OW	26.59	3190	26273	.734	ng/ml	100
14)	#~~4,4'-DDD~~ NC	26.59	3190	13330	.631	ng/ml	100
17)	#~~Methoxychlor~~ NC	30.90	3708	58715	4.36	ng/ml	100
19)	#Decachlorobiphenyl	38.67	4640	950357	20.35	ng/ml	100
20)	#~~alpha-Chlordane~~ NC	22.18	2662	8113	.195	ng/ml	100
21)	#~~gamma-Chlordane~~ OW	22.18	2662	8113	.203	ng/ml	100
24)	#~~Aroclor-1221~~(1) NP	7.53	904	43735	55.30	ng/ml	100
25)	#~~Aroclor-1232~~(1) NP	7.53	904	43735	36.73	ng/ml	100
29)	#~~Aroclor-1260~~(1) NP	23.75	2850	14362	6.22	ng/ml	100
37)	#~~Aroclor-1016~~(5) NP	18.47	2216	10938	5.31	ng/ml	100
48)	#~~Aroclor-1248~~(3) NP	18.47	2216	10938	4.44	ng/ml	100
50)	#~~Aroclor-1248~~(5) NP	20.29	2435	22686	23.63	ng/ml	100
51)	#~~Aroclor-1254~~(2) NP	20.29	2435	15251	7.50	ng/ml	100
52)	#~~Aroclor-1254~~(3) NP	21.10	2532	71398	38.93	ng/ml	100
53)	#~~Aroclor-1254~~(4) NP	23.03	2764	14271	5.60	ng/ml	100
54)	#~~Aroclor-1254~~(5) NP	23.75	2850	14362	10.59	ng/ml	100
55)	#~~Aroclor-1260~~(2) NP	24.84	2981	6561	2.42	ng/ml	100
57)	#~~Aroclor-1260~~(4) NP	30.15	3618	74463	18.94	ng/ml	100
58)	#~~Aroclor-1260~~(5) NP	32.22	3866	76869	30.95	ng/ml	100

Compound uses ESTD

EPM
7/13/96

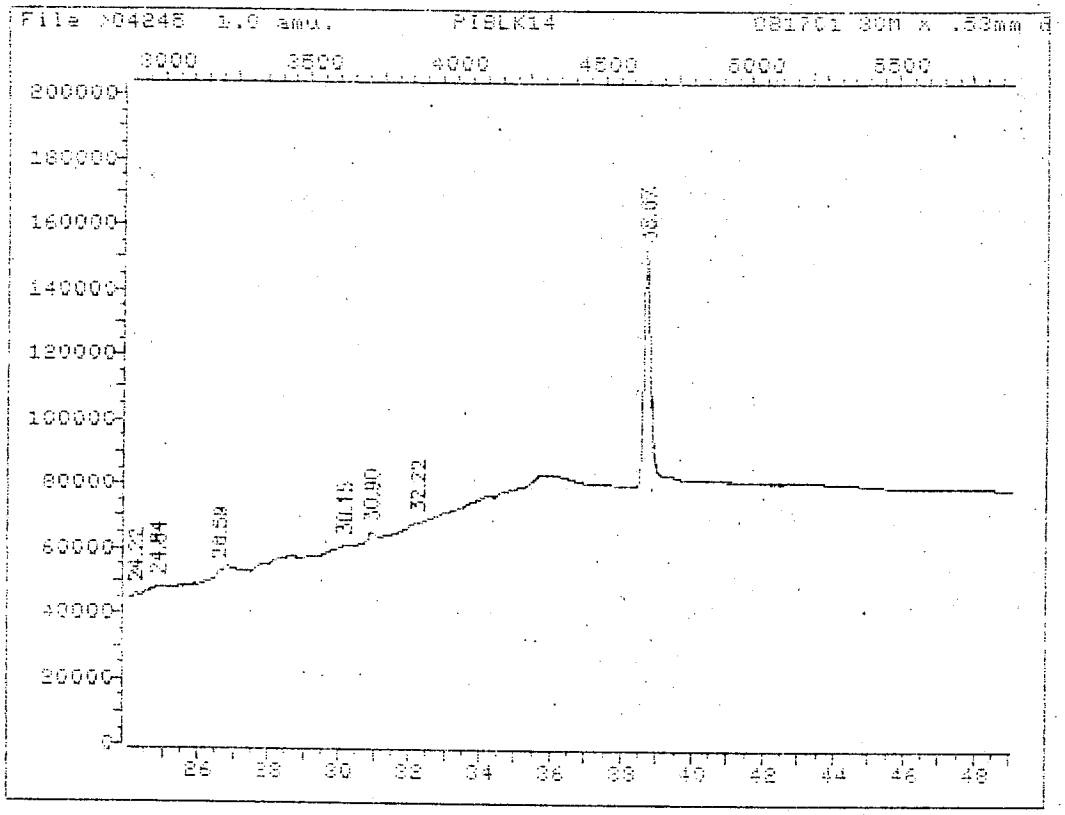


Data File: >04245::G3 Quant Output File: ^04245::GQ
Name: PIBLK14 Instrument ID: GC04
Misc: DB1701 30M X .53mm SC58903 1ul inj.

Id File: IDCAPZ::SC
Title: Capillary Column DB1701
Last Calibration: 941027 10:07 Last Qcal Time: 960701 21:23

Operator ID: TRFI2
Quant Time: 960712 13:20
Injected at: 960710 18:56

Page 1 of 2

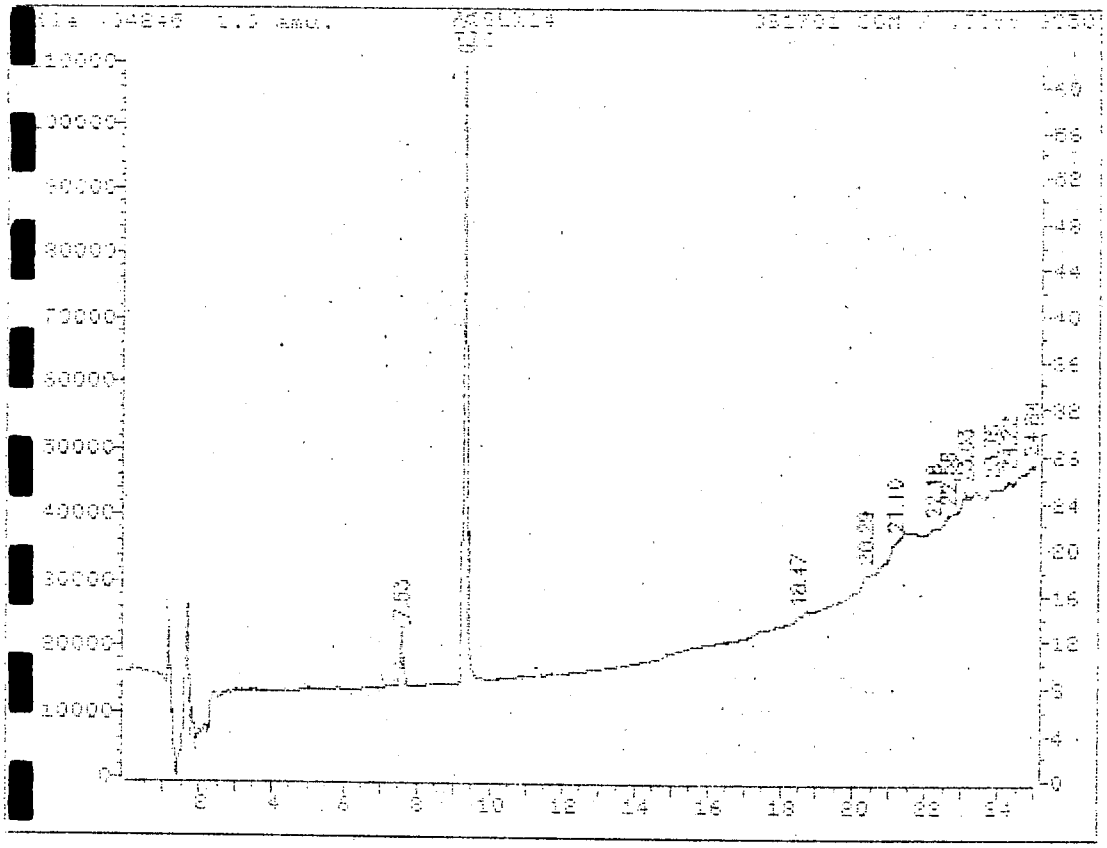


Data File: >04245::G3 Quant Output File: ^04245::GQ
Name: PIBLK14 Instrument ID: GC04
Misc: DB1701 30M X .53mm GC58903 1ul inj.

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 15:20
Injected at: 960710 18:56

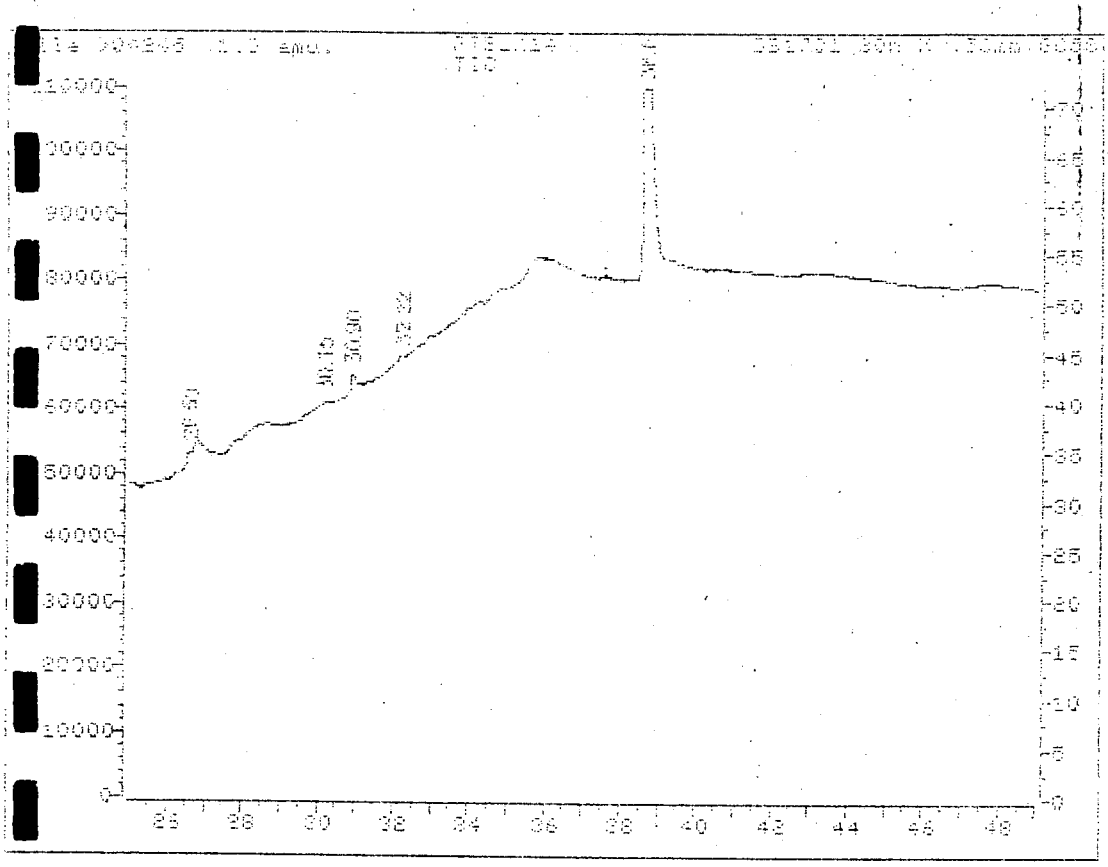
Page 2 of 2



MS data file header from : >04245::03

Sample: FIBLK14 Operator: TRFII 7/10/96 18:56
Files : DB1701 30M X .53mm 0259905 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 : >04245::G3

Sample: PIBLK14 Operator: TRFIZ 7/10/96 18:56
Misc : DB1701 30M X .53mm GC58905 1ul inj.
Sus. #: 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

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: 03256

% 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: 07/11/96

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 Page 1

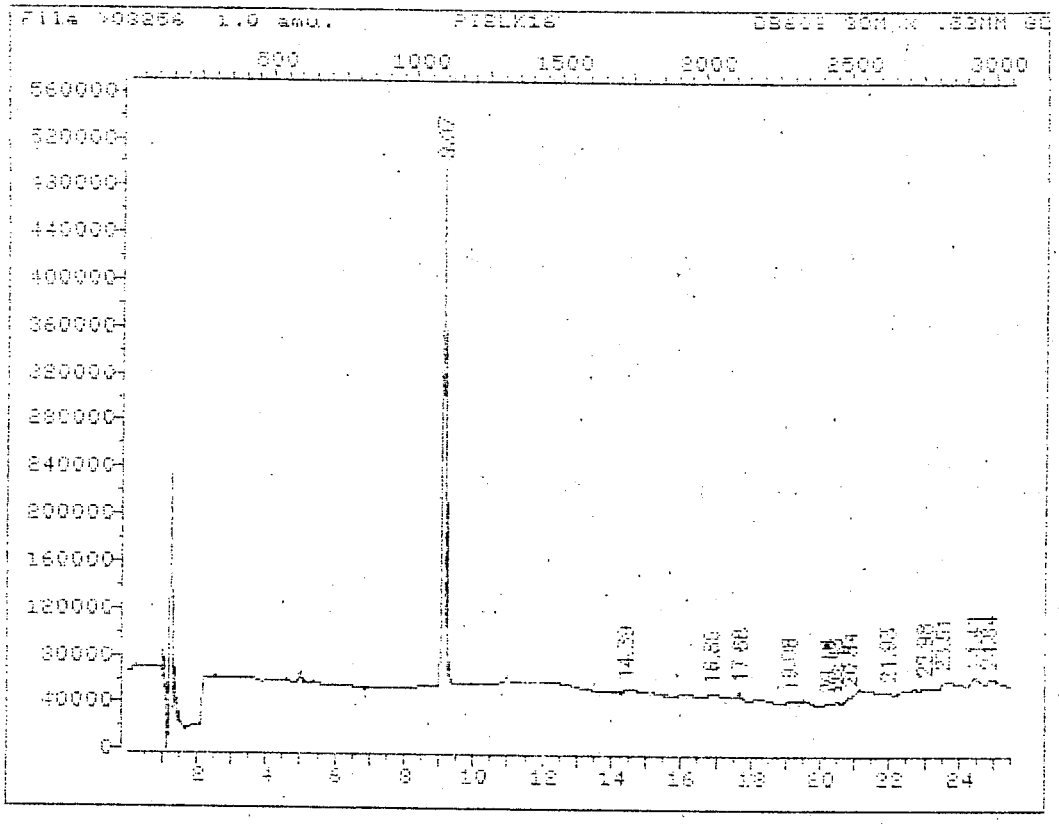
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:17
Output File: 05256::00 Injected at: 960711 04:25
Data File: 05256::03 Dilution Factor: 1.00000
Name: PIBLK.. Instrument ID: 5003
Misc: DB608 30M X .53MM-3058903 1ul inj.

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

	Compound	R.T	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2473030	19.76	ng/ml	100
5)	#gamma-BHC (Lindane)	14.39	1727	26091	.191	ng/ml	100
8)	#~~Heptachlor epoxide~~ OW	20.18	2422	14815	.135	ng/ml	100
10)	#Dieldrin	22.93	2758	19876	.210	ng/ml	100
11)	#~~4,4'-DDE~~ OW	22.93	2758	15322	.167	ng/ml	100
12)	#Endrin	24.84	2980	25725	.301	ng/ml	100
14)	#~~4,4'-DDD~~ OW	26.05	3126	5169	.0897	ng/ml	100
15)	#Endosulfan Sulfate	28.32	3398	74022	.835	ng/ml	100
16)	#~~4,4'-DDT~~ OW	27.10	3252	258569	3.99	ng/ml	100
19)	#Decachlorobiphenyl	41.62	4994	2071712	17.31	ng/ml	100
21)	#gamma-Chlordane	20.84	2501	41741	.354	ng/ml	100
28)	#~~Aroclor-1254(1)~~ NP	20.84	2501	41849	8.83	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.41	2929	136895	17.66	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.32	3398	74022	29.61	ng/ml	100
34)	#~~Aroclor-1016(2)~~ NP	14.39	1727	26091	3.99	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.86	2023	17739	4.75	ng/ml	100
37)	#~~Aroclor-1016(5)~~ NP	19.08	2289	12350	3.63	ng/ml	100
40)	#~~Aroclor-1232(2)~~ NP	14.39	1727	26091	9.25	ng/ml	100
42)	#~~Aroclor-1232(4)~~ NP	16.86	2023	17739	10.30	ng/ml	100
43)	#~~Aroclor-1242(2)~~ NP	14.39	1727	26091	4.85	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.86	2023	17739	5.61	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	19.08	2289	12350	4.13	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	17.68	2122	53166	20.38	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	19.08	2289	12350	2.97	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.43	2451	10590	2.19	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.93	2631	21545	3.91	ng/ml	100
53)	#~~Aroclor-1254(4)~~ NP	23.51	2821	48755	8.03	ng/ml	100
54)	#~~Aroclor-1254(5)~~ NP	24.84	2980	25725	7.17	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	24.84	2980	25725	3.67	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.58	3189	79422	15.21	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	33.01	3961	41976	7.60	ng/ml	100

Compound uses ESTD

EPrice
7/13/96

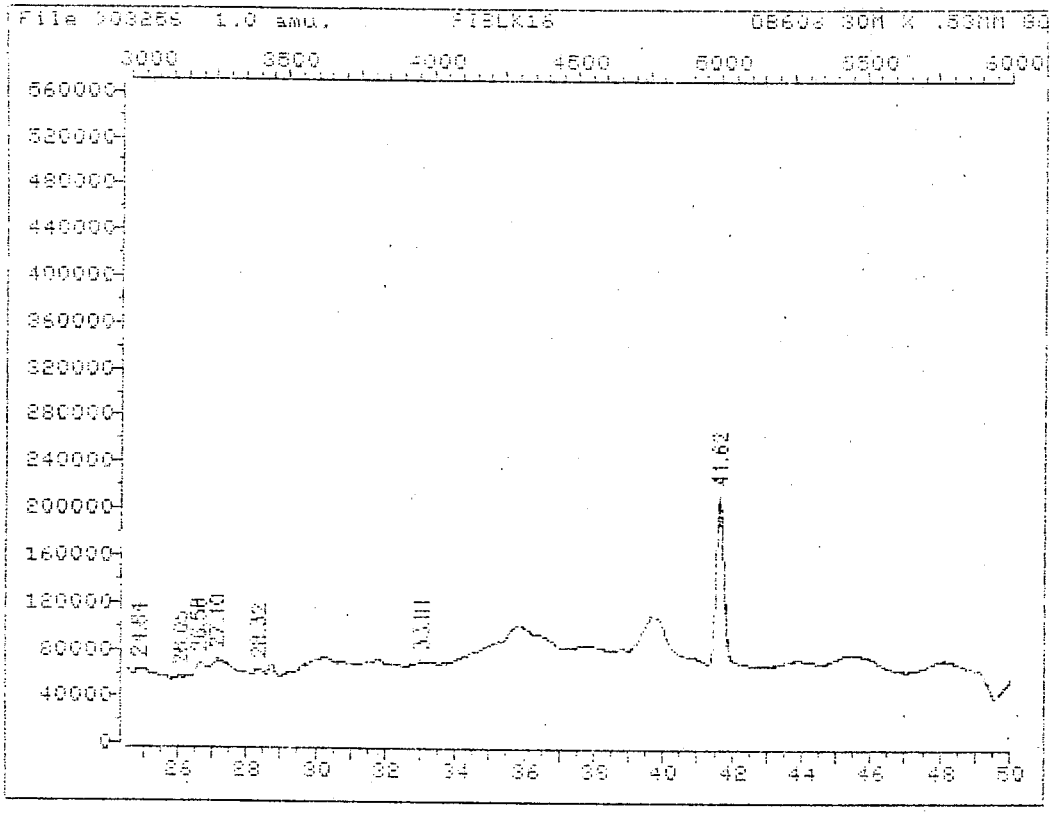


Data File: >03256::G3 Quant Output File: ^03256::GQ
Name: PIBLK16 Instrument ID: GC03
Misc: DB608 30M X .53MM GC58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941039 10:07 Last Qcal Time: 960702 00:13

Operator ID: TRFI2
Quant Time: 960712 13:17
Injected at: 960711 04:25

Page 1 of 2



Data File: >03256::G3 Quant Output File: ^03256::GQ
Name: PIBLK16 Instrument ID: GC03
Misc: DB608 30M X .53MM 3C58903 1ul inj.

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941023 10:07 Last Qual Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:17
Injected at: 960711 04:25

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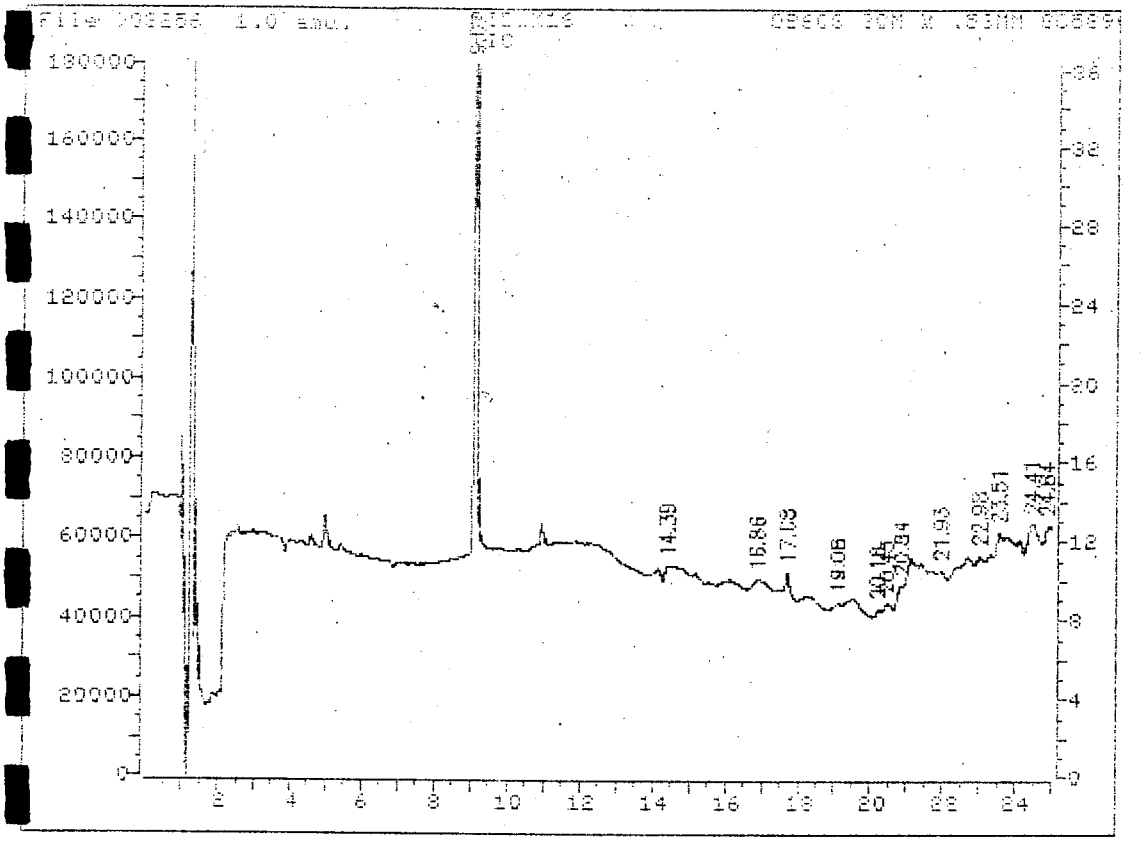
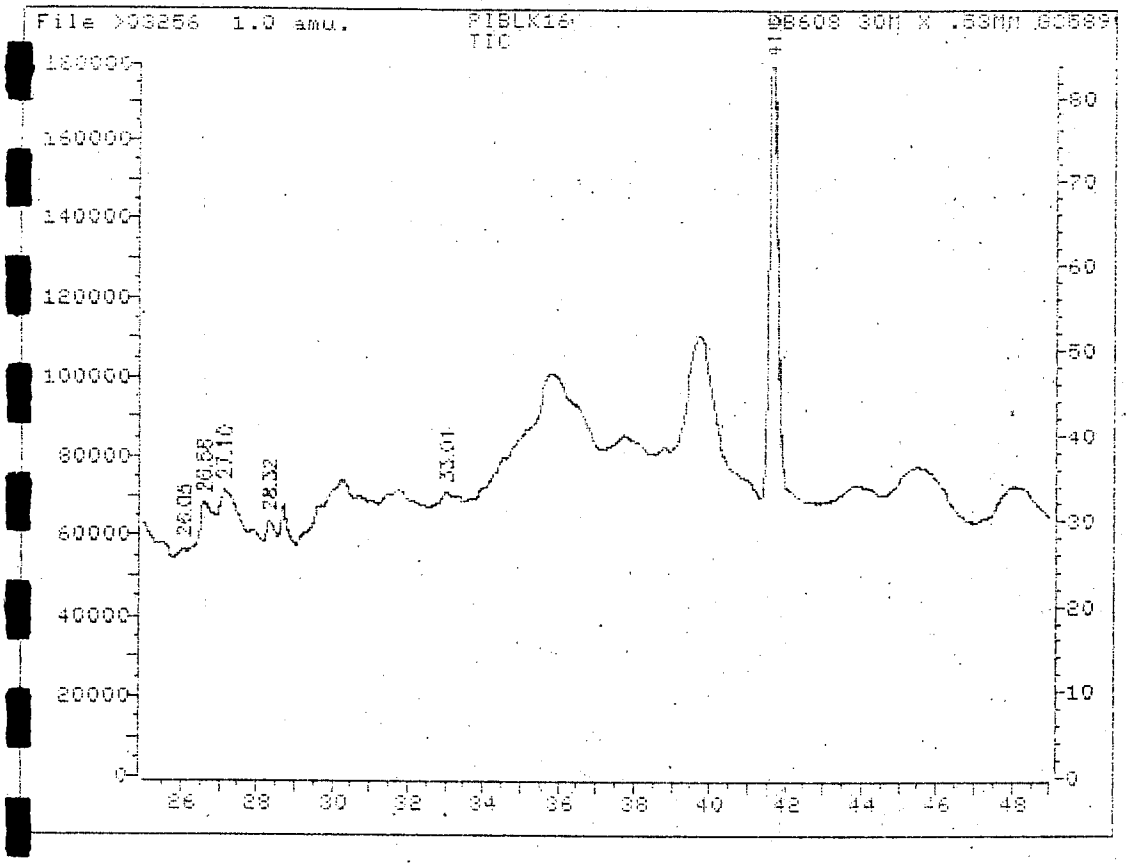


MS data file header from : >03256::G3

Sample: PIBLK16 Operator: TRFI2 7/11/96 4:25
Misc : DB608 30M X .53MM GC58903 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 : >03256::G3

Sample: PIBLK16 Operator: TRFI2 7/11/96 4:25
Misc : DB608 30M X .53MM GC58903 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: ^04256::QT
Data File: >04256::G1
Name: PIBLK16
Misc: DB1701 30M X .53mm GC58903 1 ul inj.

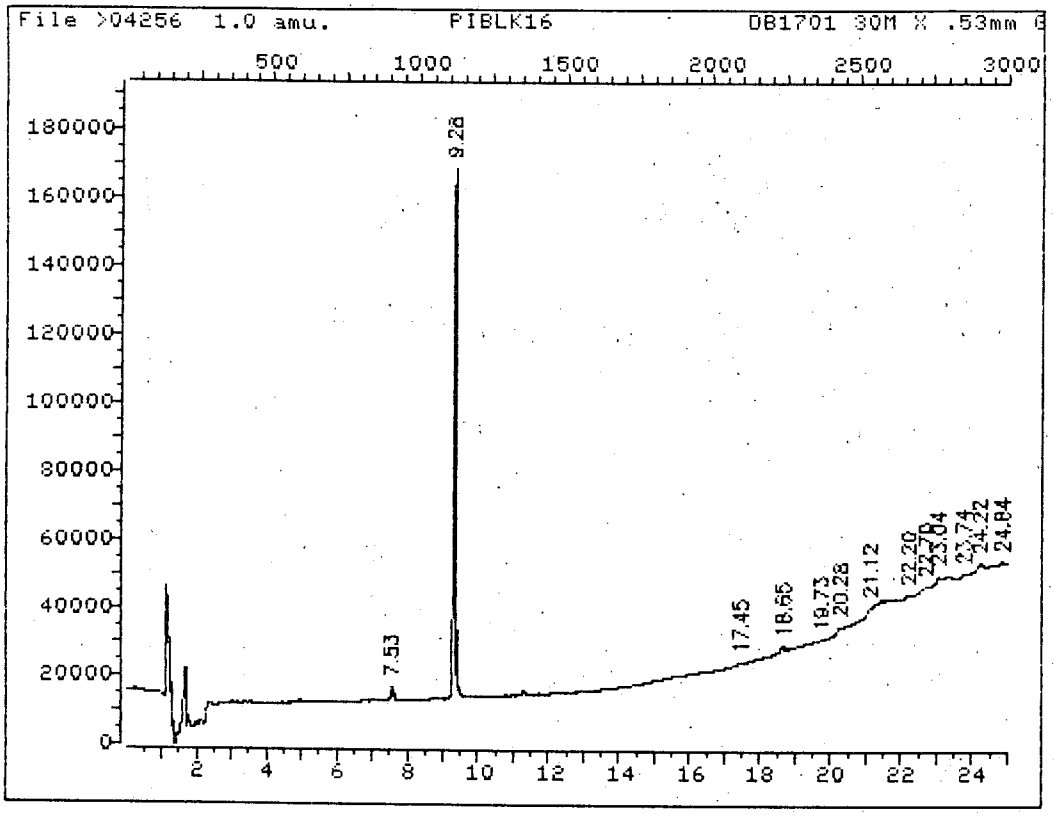
Quant Rev: 7
Quant Time: 960719 08:38
Injected at: 960711 04:25
Dilution Factor: 1.00000
Instrument ID: GC04

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	9.28	1114	820088	19.80	ng/ml	100
~~3) #beta-BHC~~ NT	18.65	2238	71384	2.72	ng/ml	100
~~4) #delta-BHC~~ NT	19.73	2367	43229	1.77	ng/ml	100
~~7) #Aldrin~~ NT	17.45	2094	32090	.852	ng/ml	100
~~11) #4,4'-DDE~~ NT	22.70	2724	26457	.953	ng/ml	100
~~12) #Endrin~~ NT	24.22	2906	44733	1.54	ng/ml	100
~~13) #Endosulfan II~~ NT	26.58	3189	53406	1.49	ng/ml	100
~~14) #4,4'-DDD~~ NT	26.58	3189	70579	3.34	ng/ml	100
~~17) #Methoxychlor~~ NT	30.90	3708	43681	3.25	ng/ml	100
19) #Decachlorobiphenyl	38.66	4639	874937	18.74	ng/ml	100
~~20) #alpha-Chlordane~~ NT	22.20	2664	11774	.282	ng/ml	100
~~24) #Aroclor-1221(1)~~ NP	7.53	904	20895	26.42	ng/ml	100
~~25) #Aroclor-1232(1)~~ NP	7.53	904	20895	17.55	ng/ml	100
~~28) #Aroclor-1254(1)~~ NP	17.45	2094	32090	20.20	ng/ml	100
~~29) #Aroclor-1260(1)~~ NP	23.74	2849	8530	3.69	ng/ml	100
~~32) #Toxaphene(3)~~ NP	30.18	3621	49010	99.44	ng/ml	100
~~37) #Aroclor-1016(5)~~ NP	18.65	2238	79432	38.55	ng/ml	100
~~46) #Aroclor-1242(5)~~ NP	17.45	2094	32090	40.56	ng/ml	100
~~48) #Aroclor-1248(3)~~ NP	18.65	2238	79432	32.24	ng/ml	100
~~50) #Aroclor-1248(5)~~ NP	20.28	2433	60981	63.54	ng/ml	100
~~51) #Aroclor-1254(2)~~ NP	20.28	2433	60698	29.85	ng/ml	100
~~52) #Aroclor-1254(3)~~ NP	21.12	2534	81381	44.37	ng/ml	100
~~53) #Aroclor-1254(4)~~ NP	23.04	2765	17708	6.95	ng/ml	100
~~54) #Aroclor-1254(5)~~ NP	23.74	2849	8530	6.29	ng/ml	100
~~55) #Aroclor-1260(2)~~ NP	24.84	2981	7909	2.91	ng/ml	100
~~57) #Aroclor-1260(4)~~ NP	30.18	3621	121767	30.97	ng/ml	100
~~58) #Aroclor-1260(5)~~ NP	32.18	3861	364656	146.83	ng/ml	100

Compound uses ESTD

7/19/96

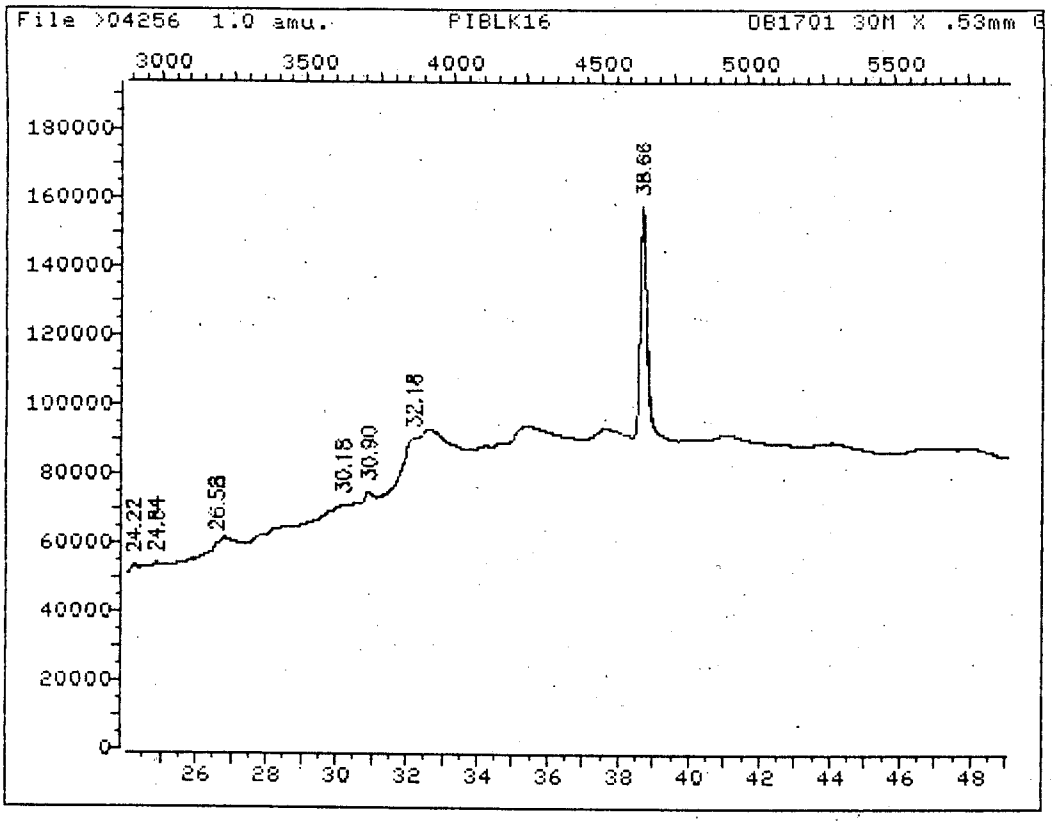


Data File: >04256::G1 Quant Output File: ^04256::QT
Name: PIBLK16 Instrument ID: GC04
Misc: DB1701 30M X .53mm GC58903 1 ul inj.

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

Operator ID: TRFI2
Quant Time : 960719 08:38
Injected at: 960711 04:25

Page 1 of 2

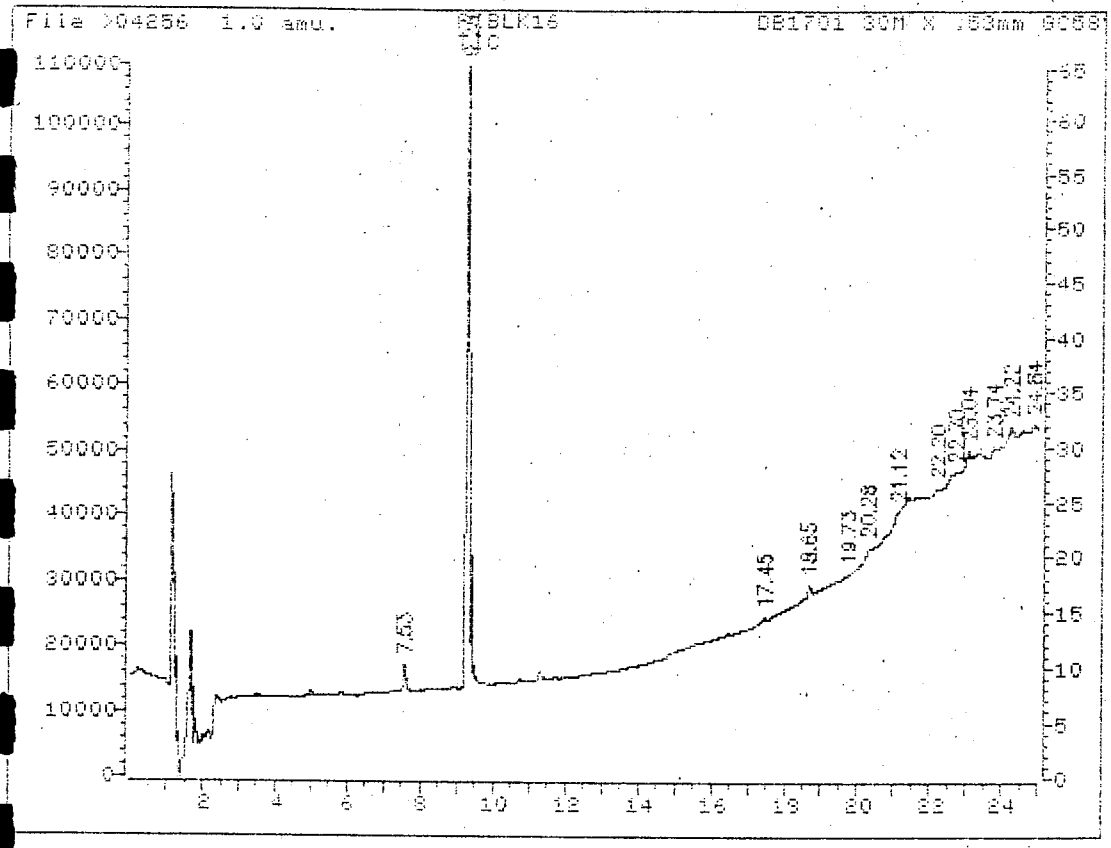


Data File: >04256::G1 Quant Output File: ^04256::QT
Name: PIBLK16 Instrument ID: GC04
Misc: DB1701 30M X .53mm GC58903 1 ul inj.

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

Operator ID: TRFI2
Quant Time : 960719 08:38
Injected at: 960711 04:25

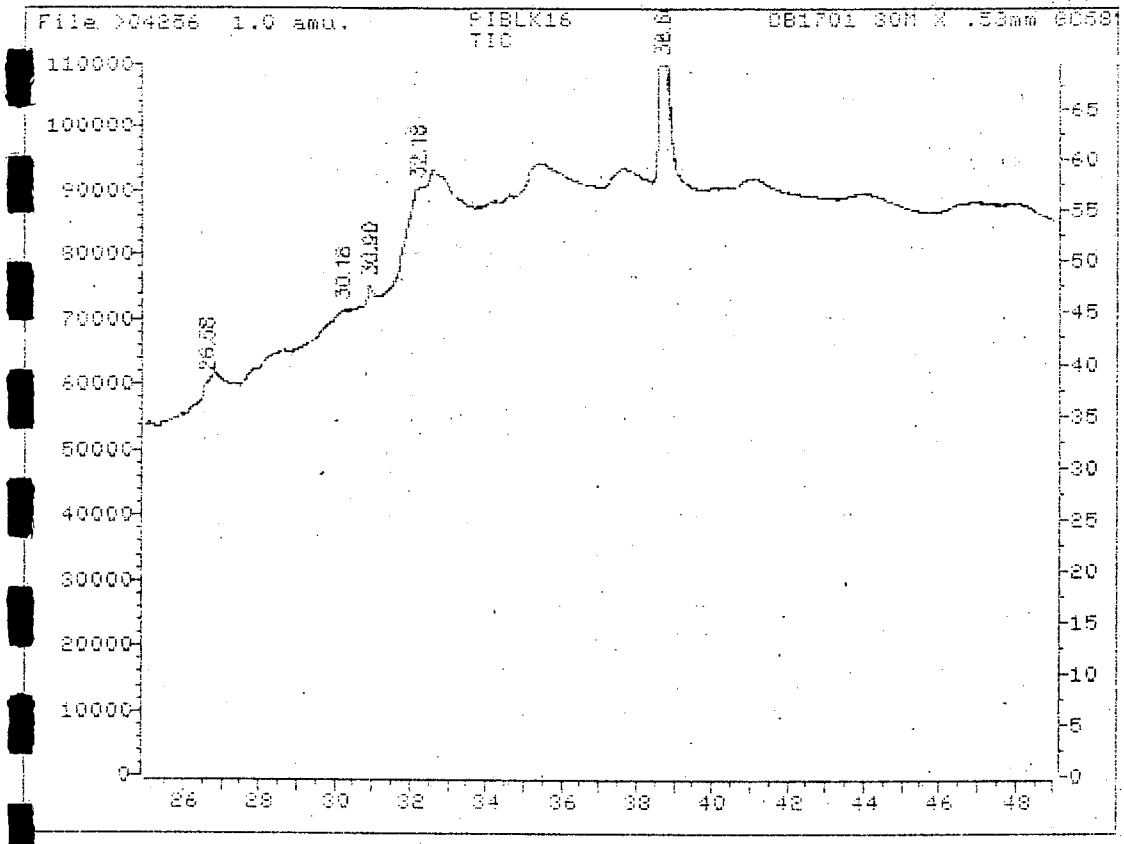
Page 2 of 2



MS data file header from : >04256::G1

Sample: PIBLK16 Operator: TRFI2 7/11/96 4:25
Misc : DB1701 30M X .53mm GC58903 1 ul 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 : >04256::G1

Sample: PIBLK16 Operator: TRFI2 7/11/96 4:25
Misc : DB1701 30M X .53mm GC58903 1 ul 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.

PIBLK17

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: 03264

% 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: 07/11/96

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

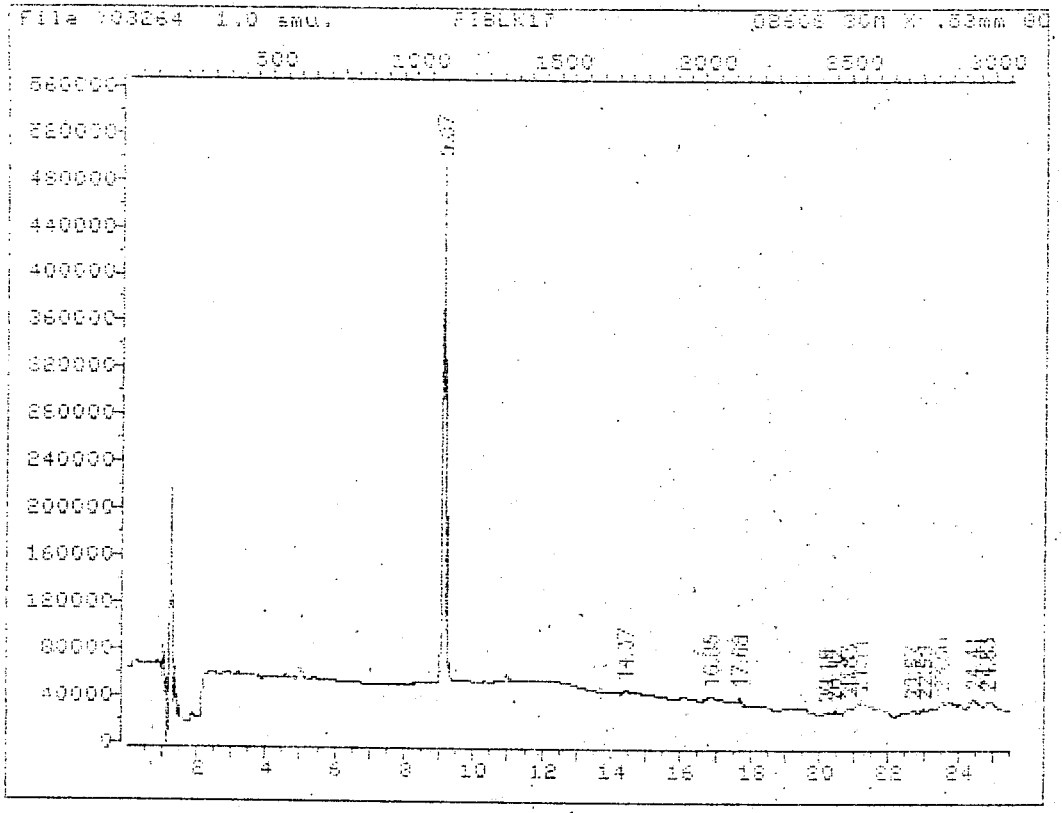
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 13:43
Output File: 103264::GO Injected at: 960711 20:23
Data File: 103264::G5 Dilution Factor: 1.00000
Name: PTBLK17 Instrument ID: GC03
Misc: DB608 30M X .55mm SC58905 1ul inj.

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2478383	19.80	ng/ml	100
5)	#~~gamma BHC (Lindane)~~ NC	14.37	1724	5303	.0388	ng/ml	100
8)	#~~Heptachlor epoxide~~ OW	20.18	2421	16099	.147	ng/ml	100
10)	#~~Dieldrin~~ NC	22.99	2759	20675	.219	ng/ml	100
11)	~~4,4' DDE~~ OW	22.99	2759	15955	.185	ng/ml	100
12)	#~~Endrin~~ NC	24.83	2979	24073	.281	ng/ml	100
13)	#~~Endosulfan II~~ OW	25.89	5107	8213	.0645	ng/ml	100
15)	#Endosulfan Sulfate	28.34	3401	29856	.337	ng/ml	100
18)	#~~Endrin ketone~~ OW	32.98	3957	20622	.229	ng/ml	100
19)	#Decachlorobiphenyl	41.62	4994	2424451	20.25	ng/ml	100
21)	#~~gamma-Chlordane~~ NC	20.83	2499	49089	.417	ng/ml	100
28)	#~~Aroclor 1254~~(1) NP	20.83	2499	49089	10.35	ng/ml	100
29)	#~~Aroclor 1260~~(1) NP	24.41	2929	75031	9.68	ng/ml	100
32)	#~~Toxaphene~~(3) NP	28.34	3401	29856	11.94	ng/ml	100
34)	#~~Aroclor 1016~~(2) NP	14.37	1724	5303	.811	ng/ml	100
36)	#~~Aroclor 1016~~(4) NP	16.85	2022	21416	5.73	ng/ml	100
40)	#~~Aroclor 1232~~(2) NP	14.37	1724	5303	1.88	ng/ml	100
42)	#~~Aroclor 1232~~(4) NP	16.85	2022	21416	12.44	ng/ml	100
43)	#~~Aroclor 1242~~(2) NP	14.37	1724	5303	.985	ng/ml	100
45)	#~~Aroclor 1242~~(4) NP	16.85	2022	21416	6.77	ng/ml	100
47)	#~~Aroclor 1248~~(2) NP	17.68	2121	56484	21.66	ng/ml	100
49)	#~~Aroclor 1248~~(4) NP	20.42	2450	27402	5.66	ng/ml	100
51)	#~~Aroclor 1254~~(2) NP	21.11	2533	57613	10.40	ng/ml	100
52)	#~~Aroclor 1254~~(3) NP	22.67	2720	26285	16.30	ng/ml	100
53)	#~~Aroclor 1254~~(4) NP	23.50	2820	52056	8.57	ng/ml	100
54)	#~~Aroclor 1254~~(5) NP	24.83	2979	24073	6.71	ng/ml	100
55)	#~~Aroclor 1260~~(2) NP	24.83	2979	24073	3.44	ng/ml	100
56)	#~~Aroclor 1260~~(3) NP	26.59	3191	223457	42.81	ng/ml	100
57)	#~~Aroclor 1260~~(4) NP	30.24	3629	42853	3.97	ng/ml	100
58)	#~~Aroclor 1260~~(5) NP	32.98	3957	21234	5.85	ng/ml	100

Compound uses ESTD

EPmu
7/13/96



Data File: ^03264::GT
Name: PIBLK17
Misc: DB608 30M X .53mm 9C58903 1ul inj.

Quant Output File: ^03264::GQ
Instrument ID: GC03

Id File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07

Last Qual Time: 960702 00:13

Operator ID: TRFI2
Quant Time : 960712 13:43
Injected at: 960711 20:23

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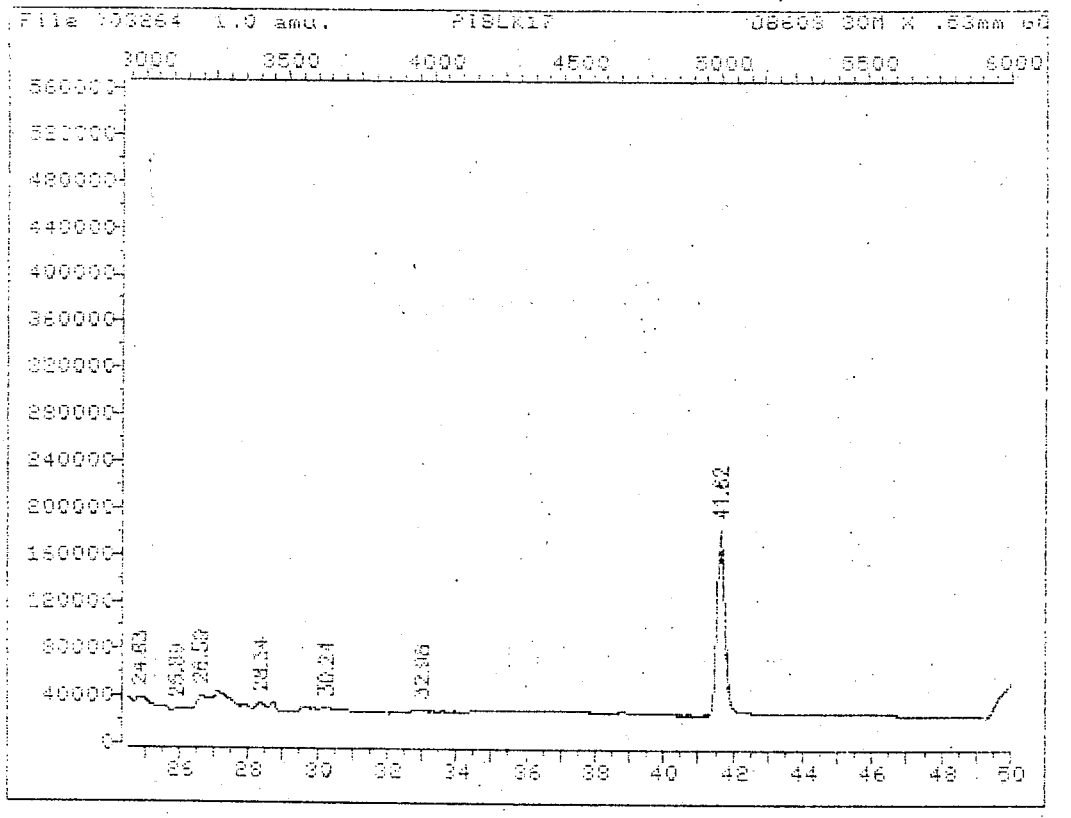
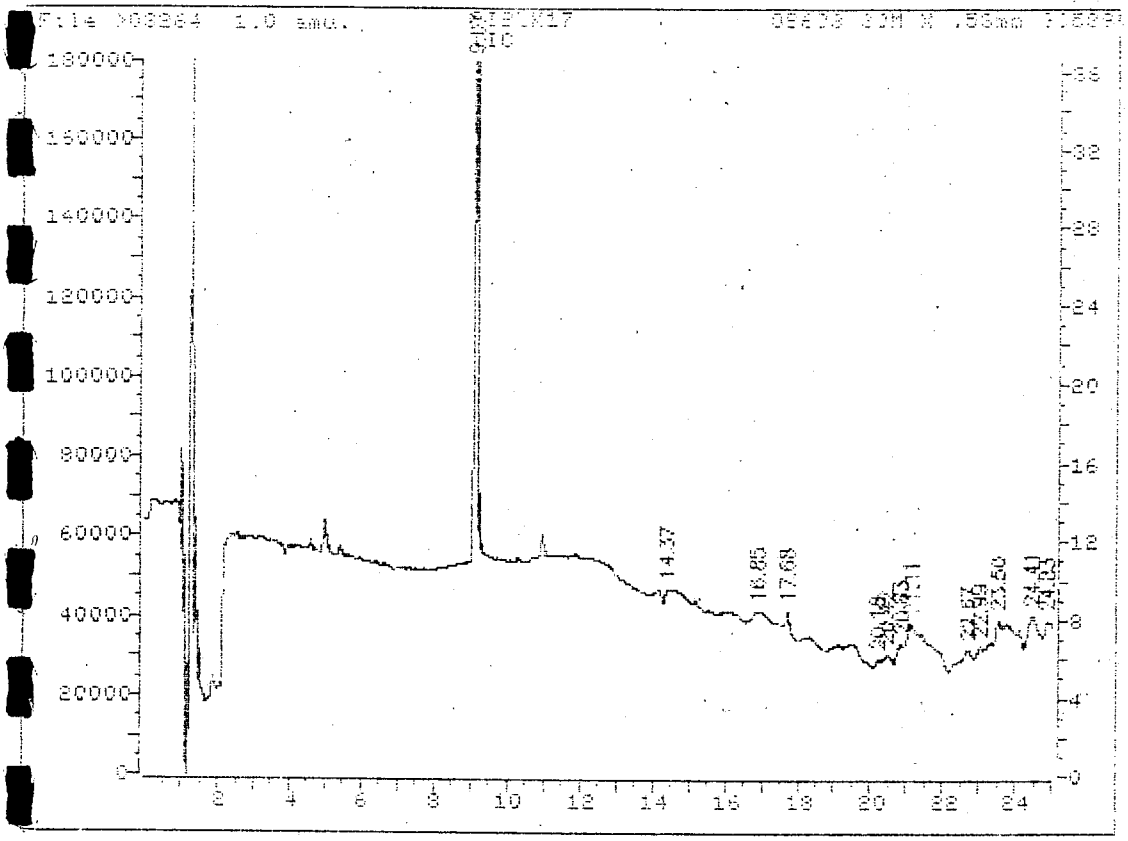


Data File: >03264::G5 Quant Output File: ^03264::G8
Name: PIBLK17 Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

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

Operator ID: TRFI2
Quant Time : 960712 13:43
Injected at: 960711 20:23

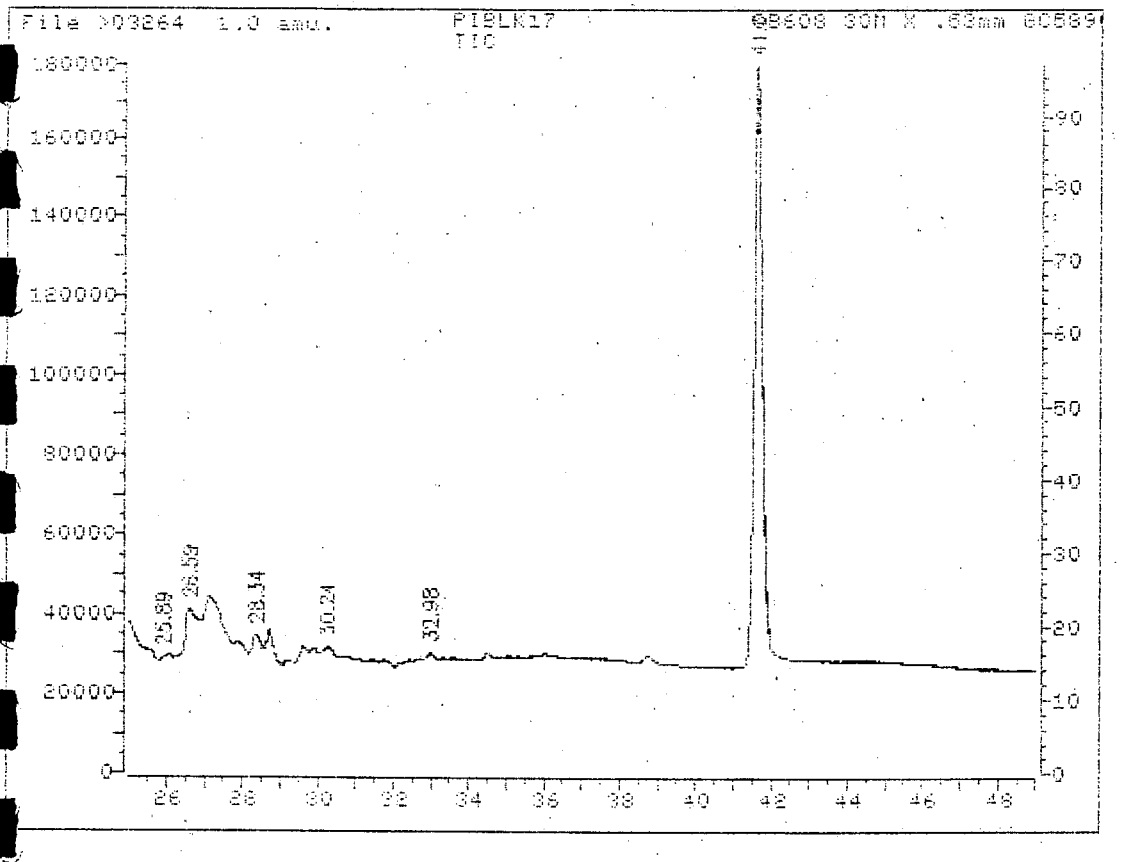
Page 2 of 2



MS data file header from : >03264::63 .

Sample: PIBLK17 Operator: TRFI2 7/11/96 20:23
Misc : DB608 30M X .53mm GC58903 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 : >03264::G3

Sample: PIBLK17 Operator: TRFI2 7/11/96 20:23
Misc : DB608 30M X .53mm GC58903 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

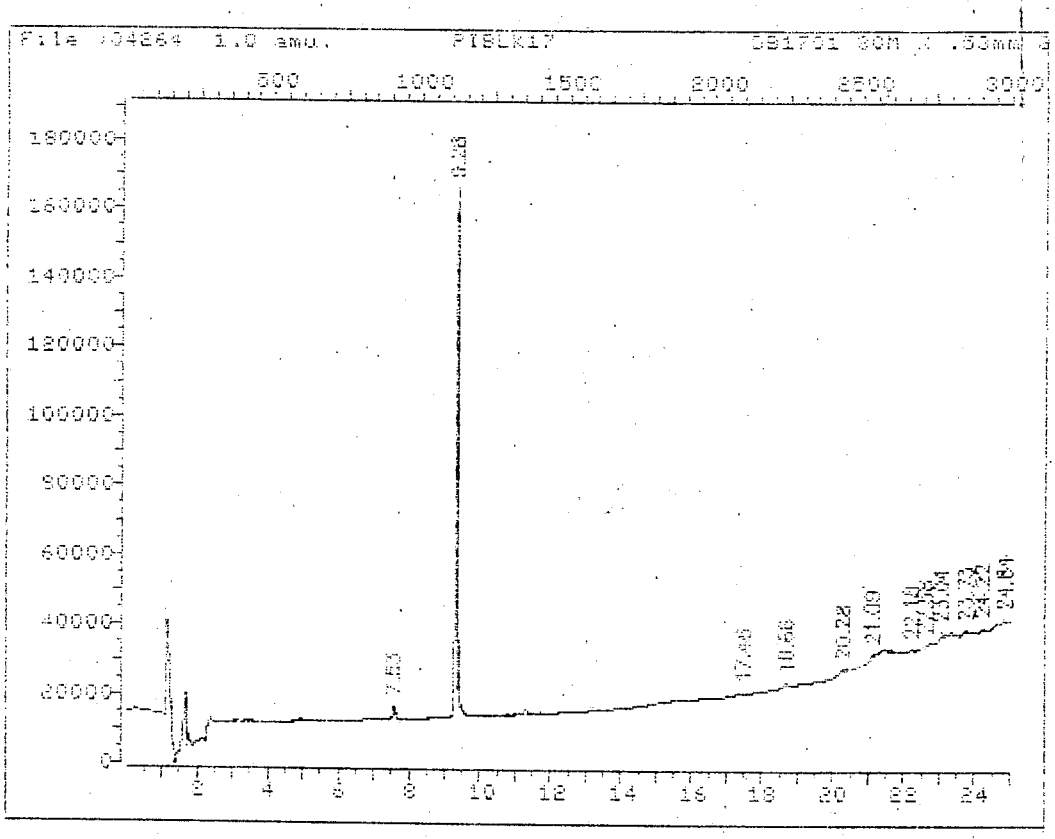
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 07:16
Output File: ^04264::G0 Injected at: 960711 20:23
Data File: >04264::G1 Dilution Factor: 1.00000
Name: PIBLK17 Instrument ID: GC04
Misc: DB1701 30M X .53mm 0158903 1µl jni.

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.28	1114	812968	19.63	ng/ml	100
3)	#~~Beta-BHC~~ NC	18.66	2239	22789	.867	ng/ml	100
7)	#~~Alarin~~ OW	17.46	2095	23453	.623	ng/ml	100
11)	#~~4,4'-DDE~~ OW	22.58	2710	16203	.584	ng/ml	100
12)	#~~Endrin~~ OW	24.22	2906	11162	.385	ng/ml	100
13)	#~~Endosulfan-II~~ OW	26.58	3189	22545	.630	ng/ml	100
14)	#~~4,4'-DDD~~ NC	26.58	3189	22545	1.07	ng/ml	100
17)	#~~Methoxychlor~~ OW	30.94	3713	43120	3.20	ng/ml	100
19)	#Decachlorobiphenyl	38.67	4640	935424	20.03	ng/ml	100
20)	#~~alpha-Chlordane~~ NC	22.18	2662	6685	.160	ng/ml	100
21)	#~~gamma-Chlordane~~ OW	22.18	2662	6685	.167	ng/ml	100
24)	#~~Aroclor-1221~~(1) NP	7.53	904	21558	27.26	ng/ml	100
25)	#~~Aroclor-1232~~(1) NP	7.53	904	21558	18.10	ng/ml	100
28)	#~~Aroclor-1254~~(1) NP	17.46	2095	23453	14.76	ng/ml	100
29)	#~~Aroclor-1260~~(1) NP	23.73	2848	14554	6.30	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	28.39	3407	19315	26.80	ng/ml	100
37)	#~~Aroclor-1016(5)~~ NP	18.66	2239	22789	11.06	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	17.46	2095	23453	29.64	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	18.66	2239	22789	9.25	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	20.28	2433	28933	30.14	ng/ml	100
51)	#~~Aroclor-1254~~(2) NP	20.28	2433	27925	13.73	ng/ml	100
52)	#~~Aroclor-1254(3)~~ NP	21.09	2531	20287	11.06	ng/ml	100
53)	#~~Aroclor-1254~~(4) NP	23.04	2765	14435	5.66	ng/ml	100
54)	#~~Aroclor-1254~~(5) NP	23.73	2848	14554	10.73	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	24.84	2980	5609	2.07	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	28.39	3407	27325	15.40	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.16	3619	76388	19.43	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.20	3864	84136	33.88	ng/ml	100

Compound uses ESTD

E Price
7/13/96



Data File: >04264::G1 Quant Output File: >04264::G0
Name: PIBLK17 Instrument ID: GC04
Misc: DB1701 30M X .53mm SC58903 1ul inj.

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

Operator ID: TRFI2
Quant Time : 960712 07:16
Injected at: 960711 20:23

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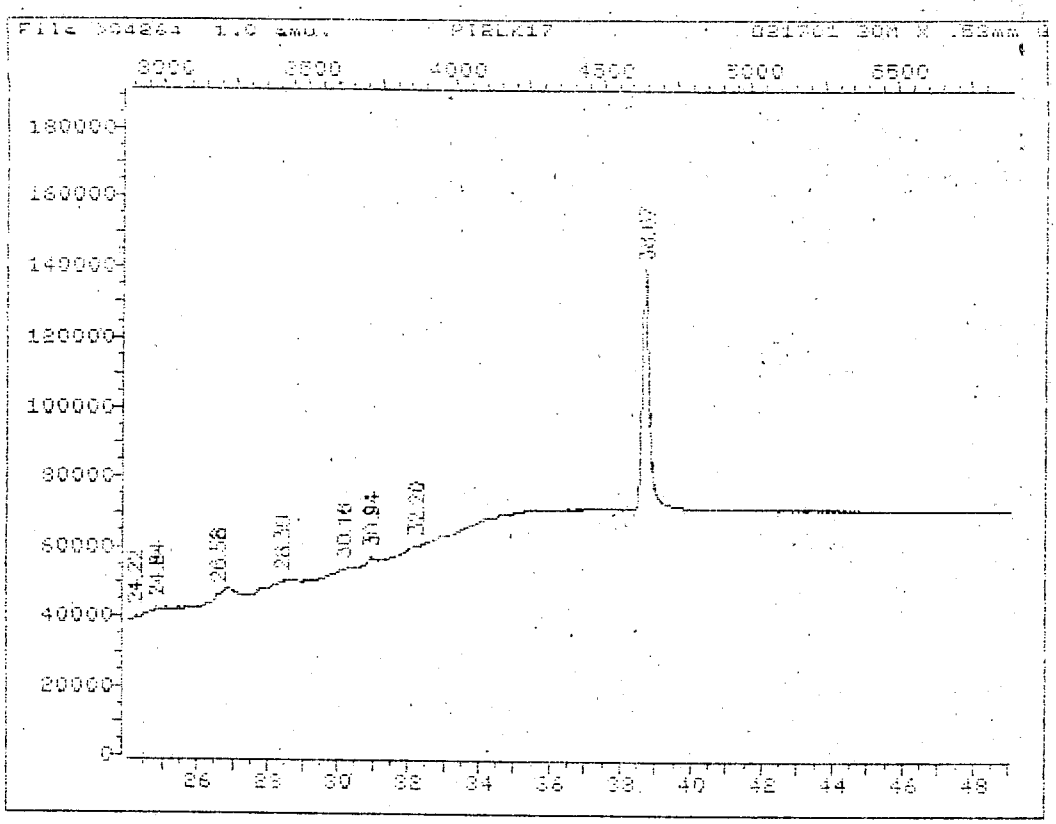
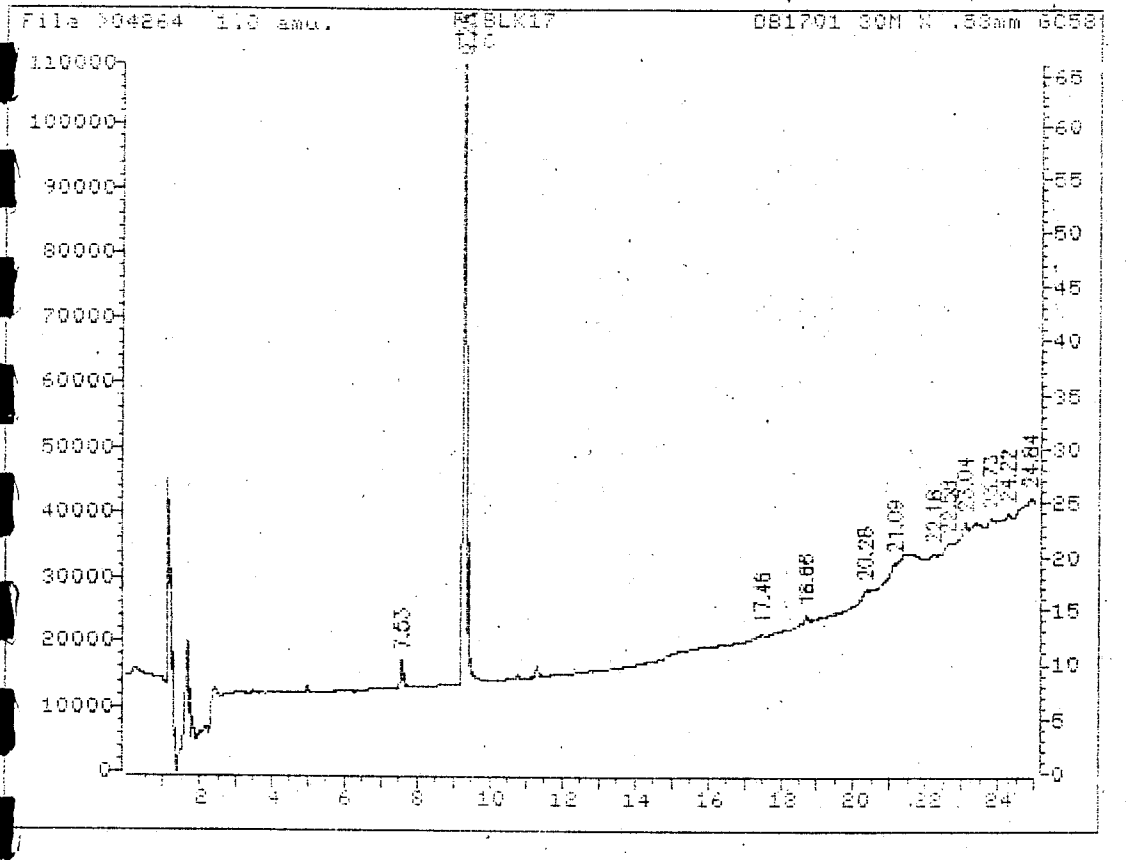


Data File: >04264::G1 Quant Output File: ^04264::GQ
Name: PIBLK17 Instrument ID: GC04
Misc: DB1701 30M X .53mm SC58903 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941028 10:07 Last Cal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 07:16
Injected at: 960711 20:23

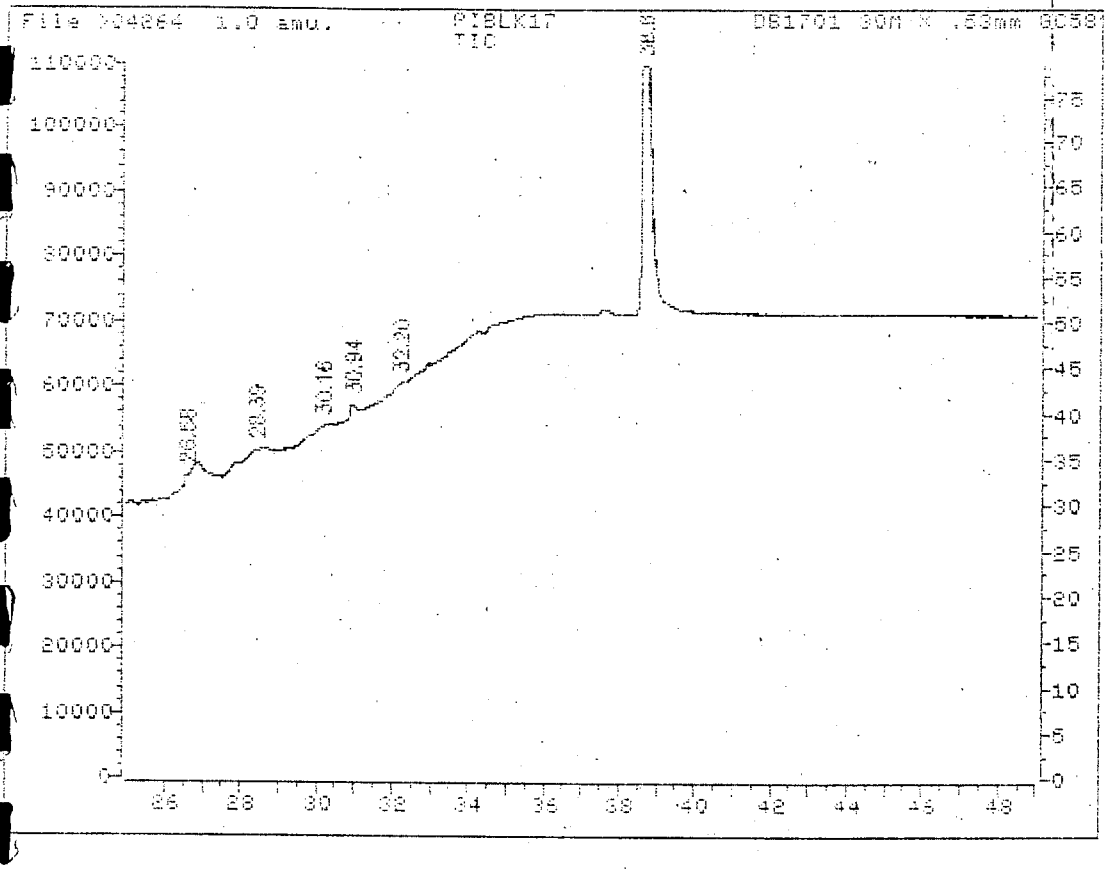
Page 2 of 2



MS data file header from : >04264::G1

Sample: PIBLK17 Operator: TRFI2 7/11/96 20:23
Misc : DB1701 30M X .53mm GC58903 1ul jni.
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 : >04264::G1

Sample: PIBLK17 Operator: TRFI2 7/11/96 20:23
Misc : DB1701 30M X .53mm GC58903 1ul jni.
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.

PIBLK18

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK18

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03274

% 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: 07/12/96

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: 960712 13:54
Output File: 03274::GC Injected at: 960712 04:58
Data File: >05274::G4 Dilution Factor: 1.00000
Name: PIBLA19 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 Scal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2574654	20.57	ng/ml	100
5)	#~~gamma-BHC (Lindane)~~ NC	14.37	1725	12075	.0884	ng/ml	100
8)	#~~Heptachlor epoxide~~ OW	20.18	2421	5796	.0528	ng/ml	100
9)	#~~Endosulfan I~~ OW	21.68	2602	49005	.402	ng/ml	100
10)	#~~Dieldrin~~ NC	23.00	2760	52634	.345	ng/ml	100
11)	#~~4,4' DDE~~ OW	22.69	2723	24509	.268	ng/ml	100
12)	#~~Endrin~~ NC	24.84	2981	165199	1.93	ng/ml	100
13)	#~~Endosulfan II~~ OW	25.89	3107	5132	.0533	ng/ml	100
14)	#~~4,4' DDD~~ OW	25.89	3107	5488	.0953	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	28.29	3395	31994	.361	ng/ml	100
16)	#~~4,4' DDT~~ OW	27.12	3254	289694	4.47	ng/ml	100
19)	#Decachlorobiphenyl	41.65	4995	2496255	20.85	ng/ml	100
20)	#~~alpha-Chlordane~~ OW	21.68	2602	49005	.357	ng/ml	100
21)	#~~gamma-Chlordane~~ NC	20.84	2501	44632	.379	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.40	2928	103064	13.30	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.29	3395	31994	12.80	ng/ml	100
34)	#~~Aroclor-1016(2)~~ NP	14.37	1725	12075	1.85	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.88	2026	19064	5.10	ng/ml	100
38)	#~~Aroclor-1221(2)~~ NP	11.31	1357	6323	3.76	ng/ml	100
40)	#~~Aroclor-1232(3)~~ NP	14.37	1725	12075	4.28	ng/ml	100
42)	#~~Aroclor-1232(4)~~ NP	16.88	2026	19064	11.07	ng/ml	100
43)	#~~Aroclor-1242(2)~~ NP	14.37	1725	12075	2.24	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.88	2026	19064	6.03	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.45	2451	32165	6.64	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.68	2602	49005	8.89	ng/ml	100
52)	#~~Aroclor-1254(3)~~ NP	22.69	2723	24509	15.20	ng/ml	100
53)	#~~Aroclor-1254(4)~~ NP	23.52	2822	59556	9.81	ng/ml	100
54)	#~~Aroclor-1254(5)~~ NP	24.84	2981	165199	46.07	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	24.84	2981	165199	23.59	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.59	3190	99268	19.02	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.19	3623	8545	.791	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.94	3952	7298	1.32	ng/ml	100

Compound uses ESTD

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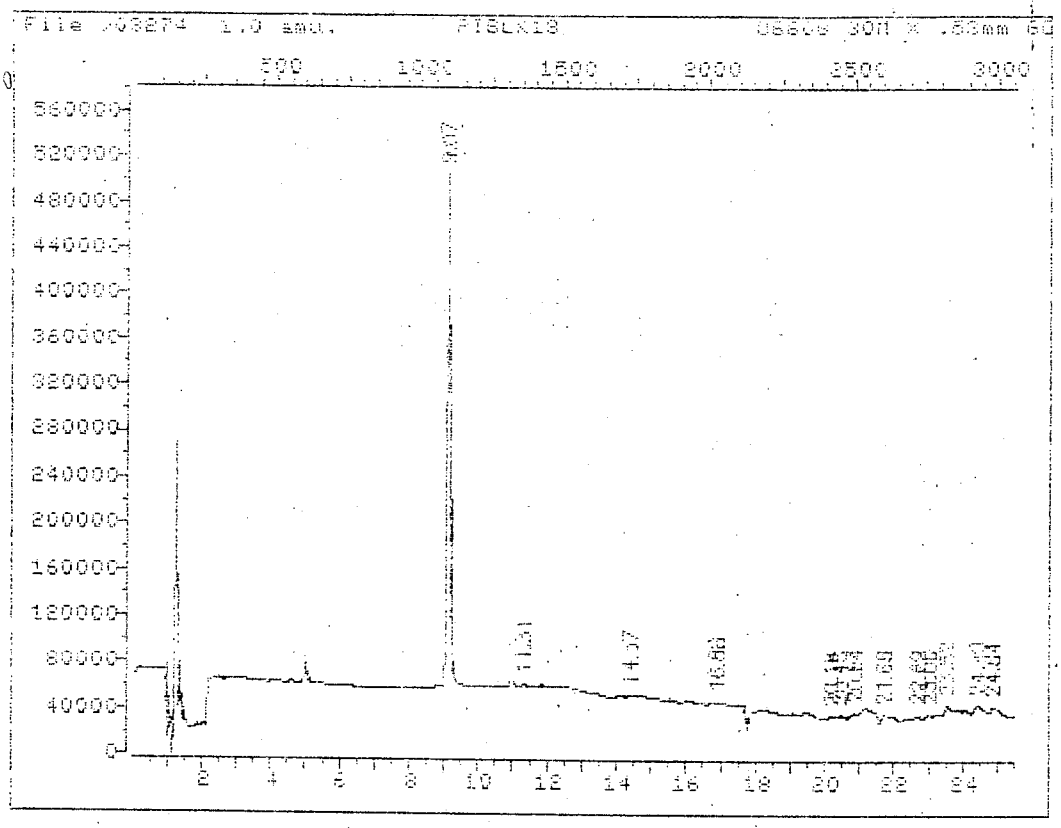
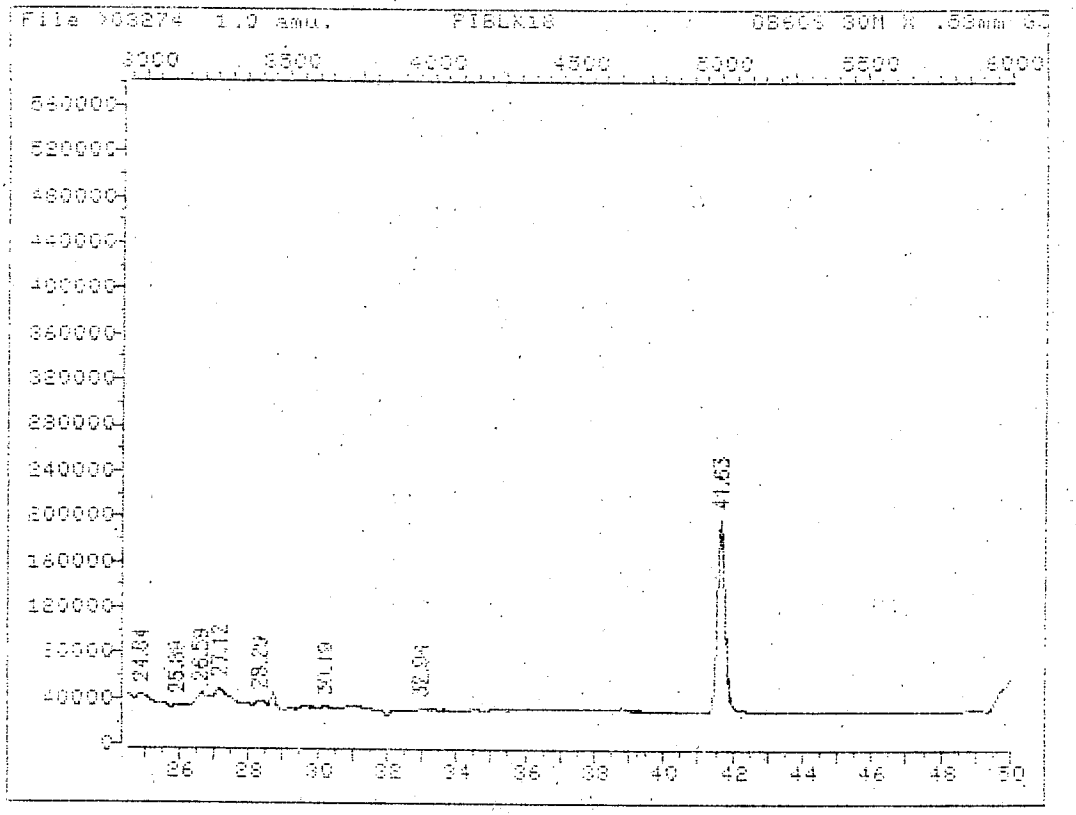


Data File: 03274::64 Quant Output File: 03274::GQ
Name: PIBLK18 Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

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

Operator ID: TRFI2
Quant Time : 960712 13:54
Injected at: 960712 04:58

Page 1 of 2



Data File: >03274::G4 Quant Output File: ^03274::GQ
Name: PIBLK18 Instrument ID: GC03
Misc: DB608 30M X .53mm 2258903 1ul inj.

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

Operator ID: TRFI2
Quant Time : 960712 13:54
Injected at: 960712 04:58

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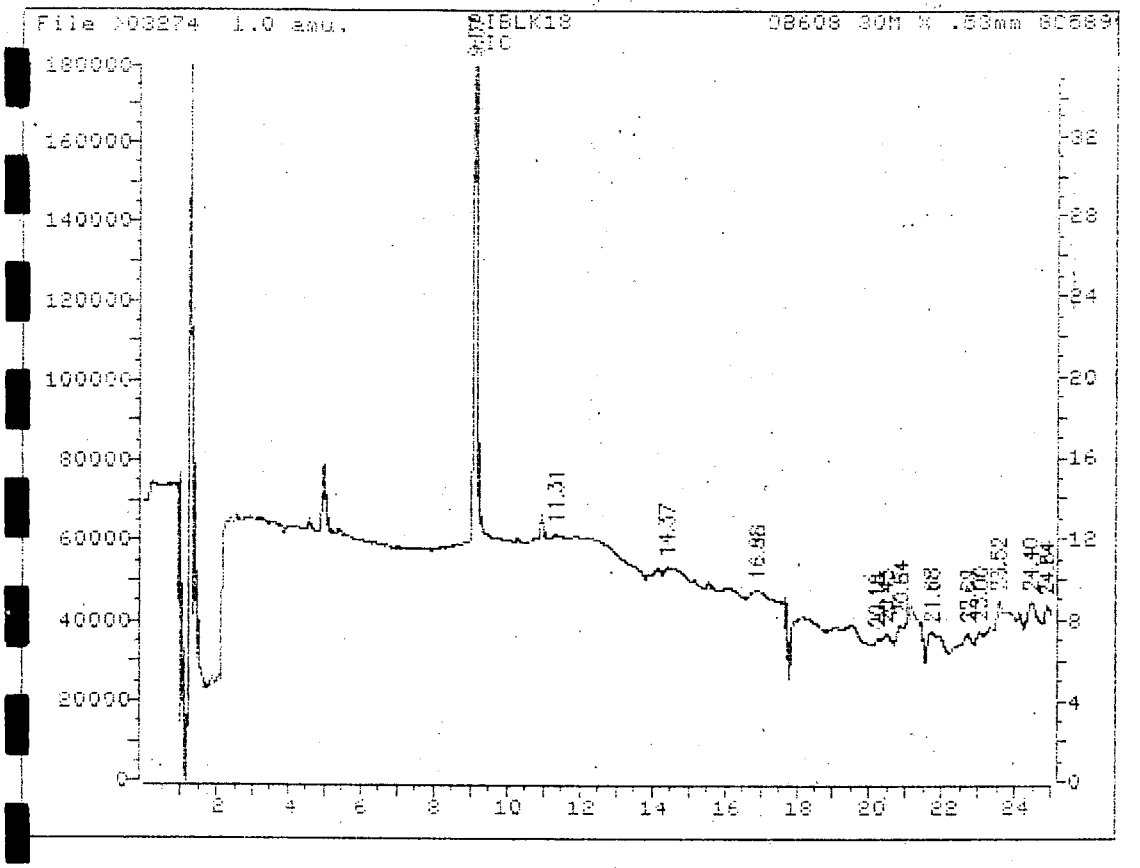
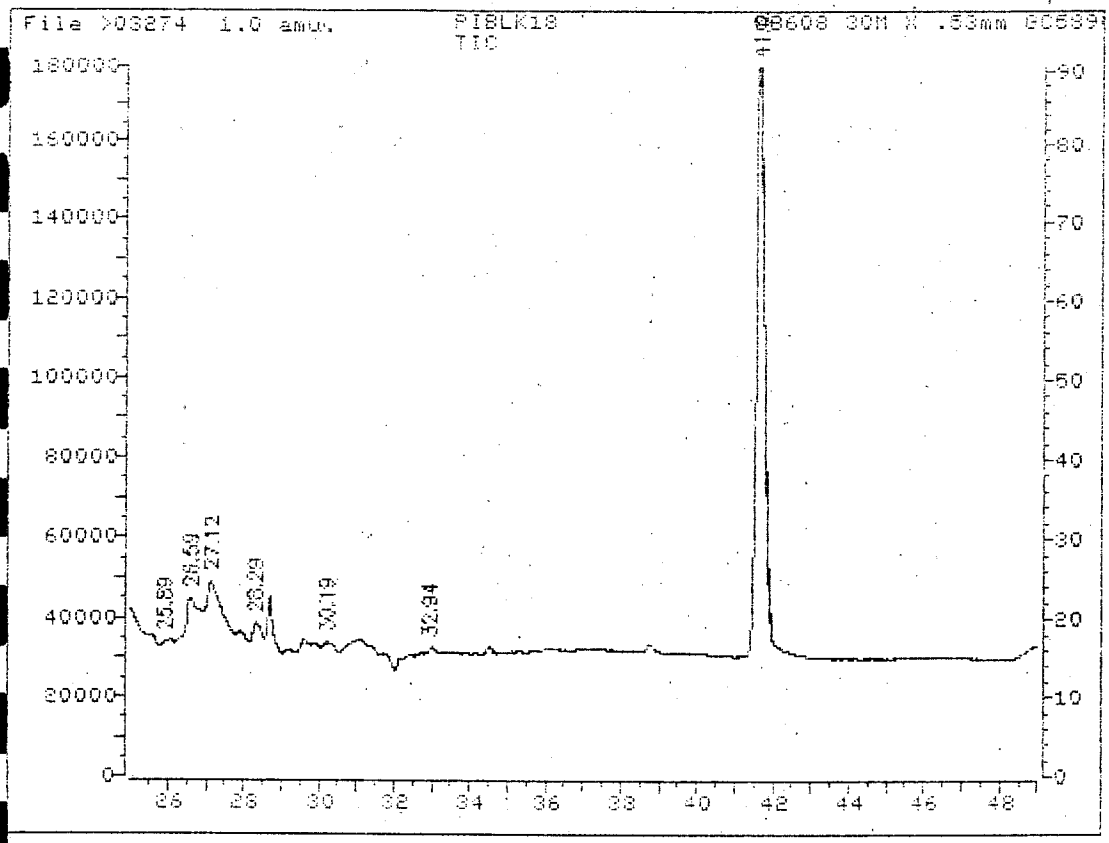


MS data file header from : >03274::G4

Sample: PIBLK18 Operator: TRFI2 7/12/96 4:58
Misc : DB608 30M X .53mm GC58903 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 : >03274::G4

Sample: PIBLK18 Operator: TRFI2 7/12/96 4:58
Misc : DB608 30M X .53mm GC58903 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: 960712 08:39
Output File: 04274::GQ Injected at: 960712 04:58
Data File: 04274::G1 Dilution Factor: 1.00000
Name: PIBLK18 Instrument ID: GC04
Misc: DB1701 30M X .53mm 1158903 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
1)	#Tetrachloro-m-xylene	9.29	1115	854907	20.64	ng/ml	100
4)	~~#delta-BHC~~ NC	19.71	2365	22555	.925	ng/ml	100
7)	~~#Aldrin~~ OW	17.45	2094	14775	.392	ng/ml	100
11)	~~#4,4'-DDE~~ OW	22.59	2711	13386	.482	ng/ml	100
12)	~~#Endrin~~ OW	24.23	2908	11306	.390	ng/ml	100
13)	~~#Endosulfan II~~ OW	26.60	3192	31506	.880	ng/ml	100
14)	~~#4,4'-DDD~~ NC	26.60	3192	29019	1.37	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.90	3708	52814	3.92	ng/ml	100
19)	#Decachlorobiphenyl	38.67	4640	991341	21.23	ng/ml	100
20)	~~#alpha-Chlordane~~ NC	22.21	2665	8649	.207	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.53	904	44612	56.41	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.53	904	44612	37.46	ng/ml	100
28)	~~#Aroclor-1254(1)~~ NP	17.45	2094	14775	9.30	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.76	2851	18091	7.83	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	30.19	3622	24909	50.54	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.73	3807	12891	25.69	ng/ml	100
46)	~~#Aroclor-1242(5)~~ NP	17.45	2094	14775	18.67	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	20.29	2435	29514	30.75	ng/ml	100
51)	~~#Aroclor-1254(2)~~ NP	20.29	2435	15367	7.56	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	21.23	2548	7013	3.82	ng/ml	100
53)	~~#Aroclor-1254(4)~~ NP	23.05	2766	15254	5.98	ng/ml	100
54)	~~#Aroclor-1254(5)~~ NP	23.76	2851	18099	13.34	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.87	2984	11101	4.09	ng/ml	100

Compound uses ESTD

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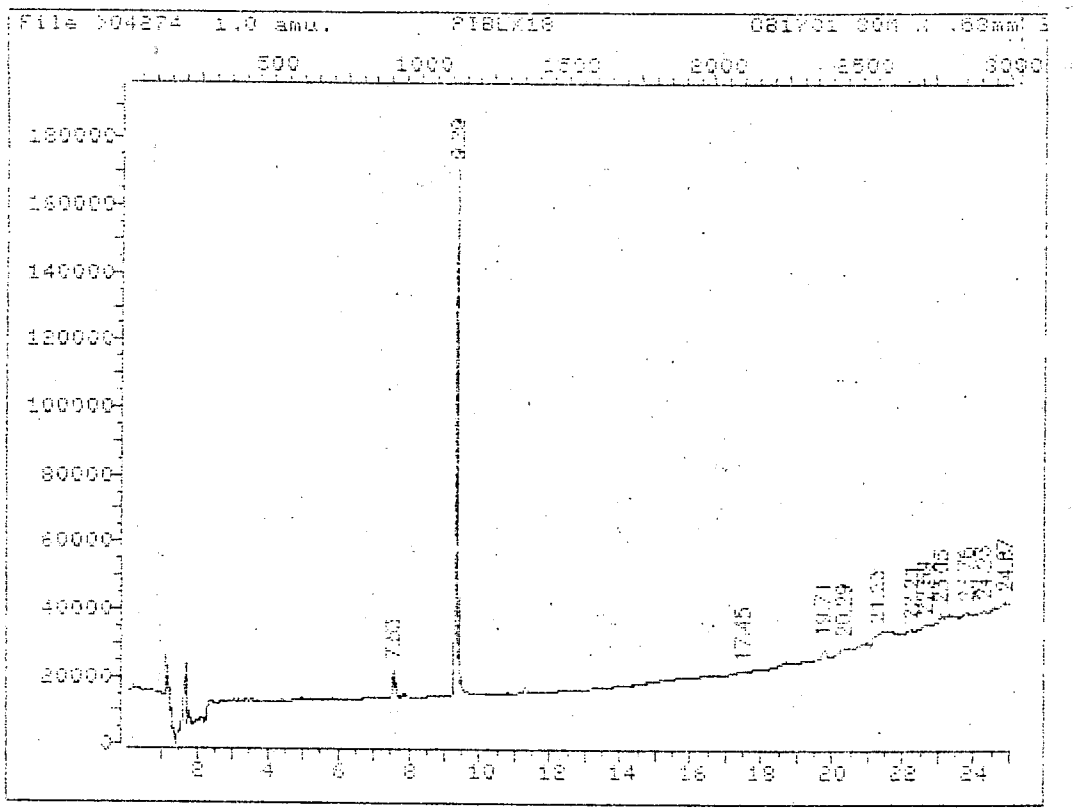

Data File: >04274::G1 Quant Output File: ^04274::GQ
Name: PIBLK18 Instrument ID: GC04
Misc: DB1701 30M X .53mm SC56903 1ul inj.

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941027 10:07 Last Cal Time: 960701 21:23

Operator ID: TRFI2
Quant Time : 960712 08:39
Injected at: 960712 04:58

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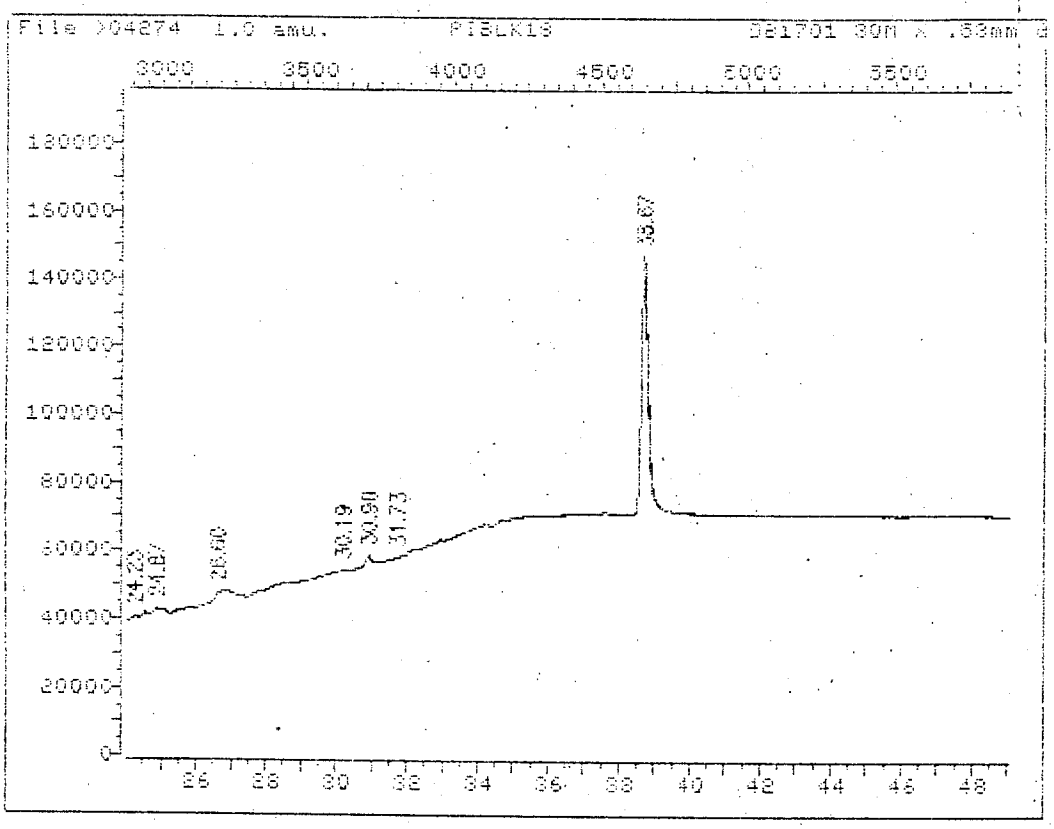

Data File: >04274::G1 Quant Output File: `04274::GQ
Name: PIBLK18 Instrument ID: GC04
Misc: DB1701 30M X .53mm GC58903 1ul inj.

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

Operator ID: TRF12
Quant Time : 960712 08:39
Injected at: 960712 04:58

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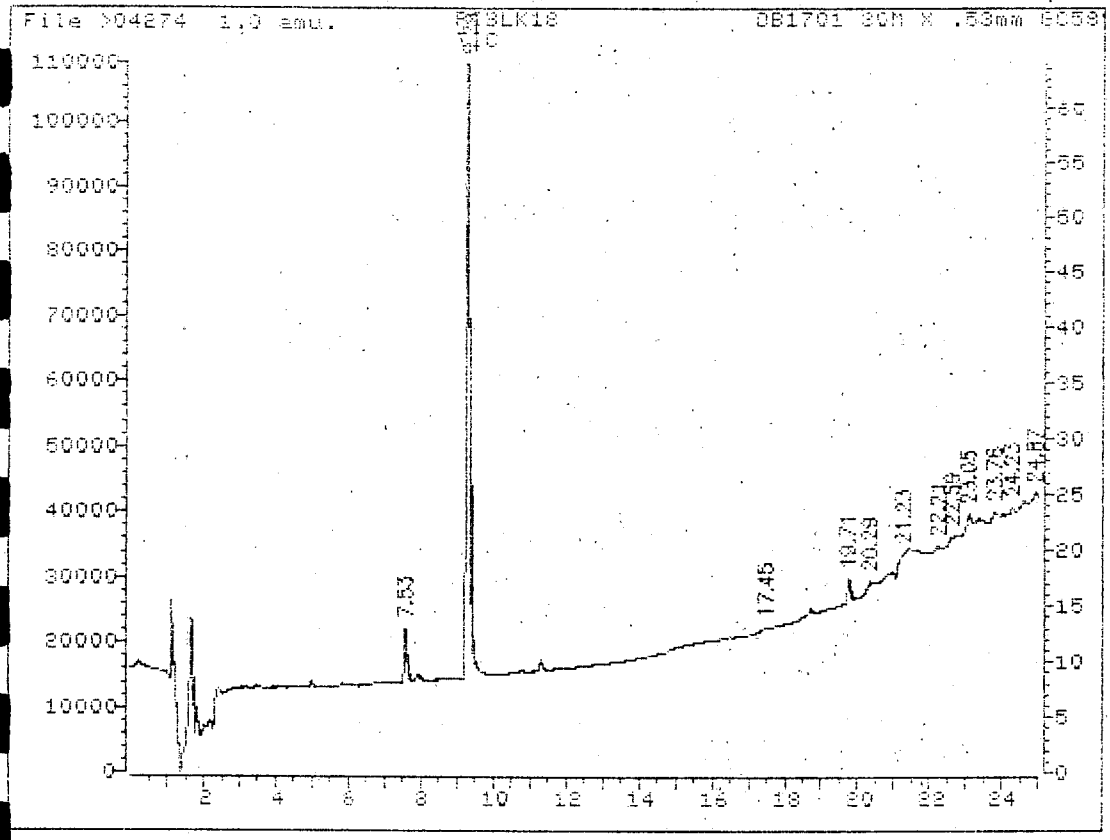
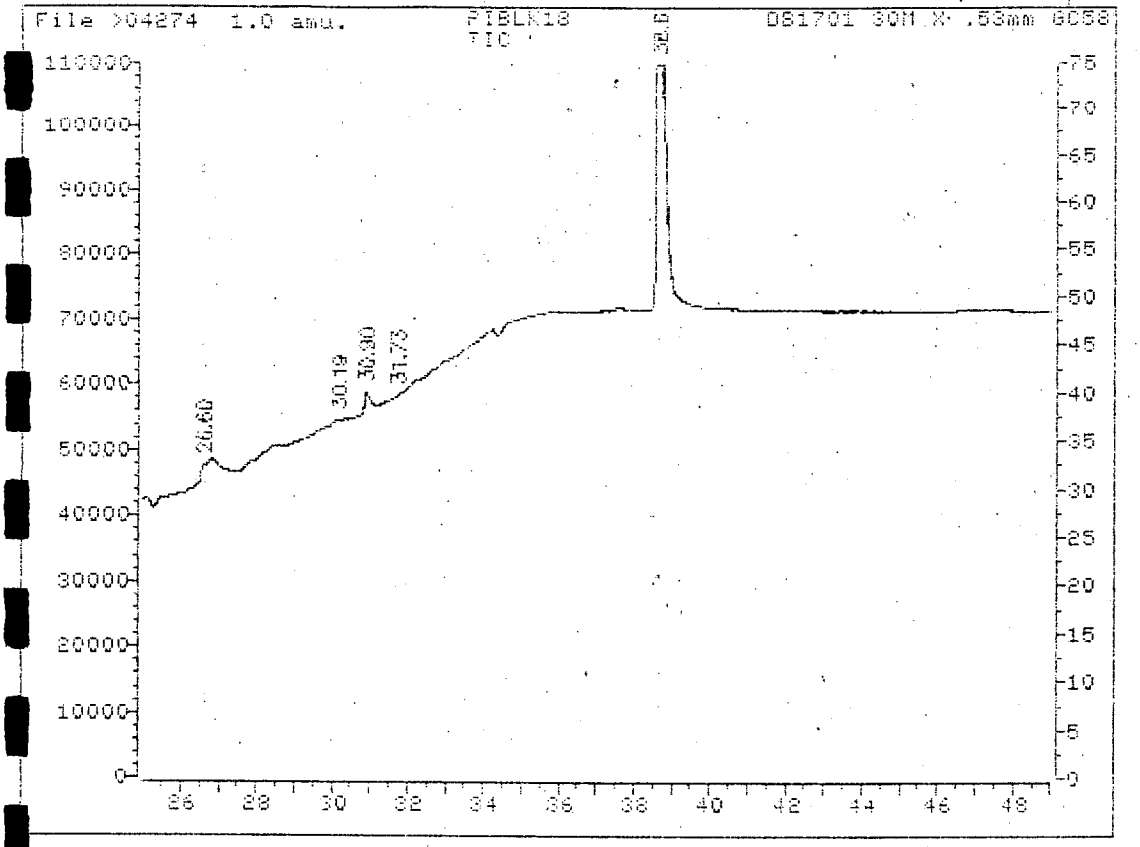


MS data file header from : >04274::G1

Sample: PIBLK18 Operator: TRFIZ 7/12/96 4:58
Misc : DB1701 30M X .53mm GC58903 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 : >04274::G1

Sample: PIBLK18 Operator: TRFI2 7/12/96 4:58
Misc : DB1701 30M X .53mm GC58903 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.

PIBLK19

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK19

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03283

% 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: 07/12/96

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: 960712 14:05
Output File: ^03283::GG Injected at: 960712 12:57
Data File: >03283::F5 Dilution Factor: 1.00000
Name: PIBLK19 Instrument ID: GC03
Misc: 22608 30M X .53mm 3C58903 1ul inj.

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2372056	18.96	ng/ml	100
3)	~~#beta-BHC~~ NT	14.83	1780	233988	2.85	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~ OW	14.17	1701	91116	.667	ng/ml	100
6)	~~#Heptachlor~~ OW	16.06	1927	7788	.0998	ng/ml	100
9)	~~Heptachlor epoxide~~ OW	20.19	2423	101756	.926	ng/ml	100
9)	~~#Endosulfan I~~ UC	21.67	2600	34967	.287	ng/ml	100
11)	~~#4,4'-DDE~~ OW	22.72	2726	370022	4.04	ng/ml	100
12)	~~#Endrin~~ UC	24.85	2982	65252	.762	ng/ml	100
15)	~~#Endosulfan Sulfate~~ OW	26.21	3385	84259	.951	ng/ml	100
16)	~~#4,4'-DDT~~ OW	27.10	3252	89094	1.37	ng/ml	100
18)	~~#Endrin ketone~~ UC	32.72	3926	489108	5.43	ng/ml	100
19)	#Decachlorobiphenyl	41.63	4995	1945461	16.25	ng/ml	100
20)	~~#alpha-Chlordane~~ UC	21.67	2600	34967	.255	ng/ml	100
27)	~~#Aroclor-1248~~(1) UP	16.06	1927	7788	1.03	ng/ml	100
29)	~~#Aroclor-1260~~(1) UP	24.38	2925	27775	3.58	ng/ml	100
32)	~~#Toxaphene(3)~~ UP	28.21	3385	84259	33.71	ng/ml	100
34)	~~#Aroclor-1016(2)~~ UP	14.17	1701	91116	13.94	ng/ml	100
35)	~~#Aroclor-1016(3)~~ UP	16.06	1927	7788	.705	ng/ml	100
36)	~~#Aroclor-1016(4)~~ UP	16.59	1991	12783	3.42	ng/ml	100
38)	~~#Aroclor-1221(2)~~ UP	11.31	1357	8296	4.94	ng/ml	100
40)	~~#Aroclor-1232(2)~~ UP	14.17	1701	91116	32.29	ng/ml	100
41)	~~#Aroclor-1232(3)~~ UP	16.06	1927	7788	1.66	ng/ml	100
42)	~~#Aroclor-1232(4)~~ UP	16.59	1991	12783	7.42	ng/ml	100
43)	~~#Aroclor-1242~~(2) UP	14.17	1701	91116	16.93	ng/ml	100
44)	~~#Aroclor-1242(3)~~ UP	16.06	1927	7788	.874	ng/ml	100
45)	~~#Aroclor-1242(4)~~ UP	16.59	1991	12783	4.04	ng/ml	100
50)	~~#Aroclor-1248(5)~~ UP	21.67	2600	34967	6.34	ng/ml	100
52)	~~#Aroclor-1254(3)~~ UP	22.72	2726	443134	274.83	ng/ml	100
54)	~~#Aroclor-1254(5)~~ UP	24.85	2982	65252	18.20	ng/ml	100
55)	~~#Aroclor-1260(2)~~ UP	24.85	2982	65252	9.32	ng/ml	100
56)	~~#Aroclor-1260(3)~~ UP	26.52	3182	510238	59.43	ng/ml	100

Compound uses ESTD

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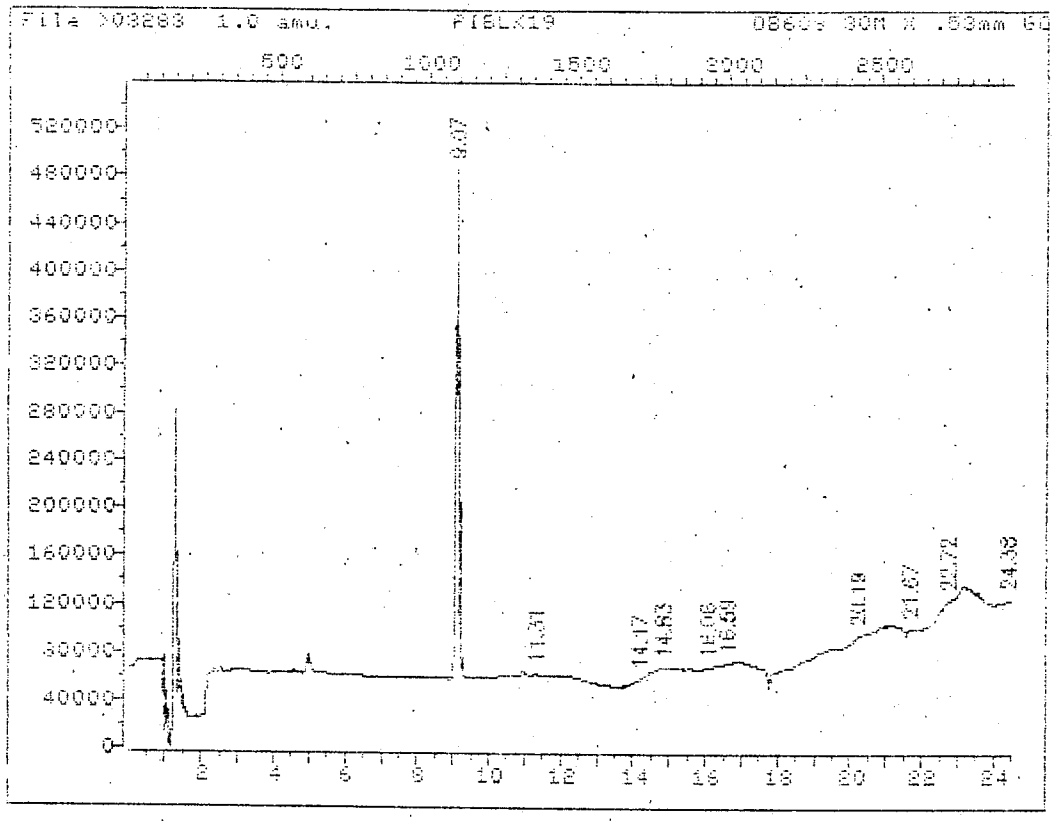

Data File: >03283::F3 Quant Output File: ^03283::GO
Name: PIBLK19 Instrument ID: GC03
Misc: DB608 30M X .53mm GC58903 1ul inj.

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 14:05
Injected at: 960712 12:57

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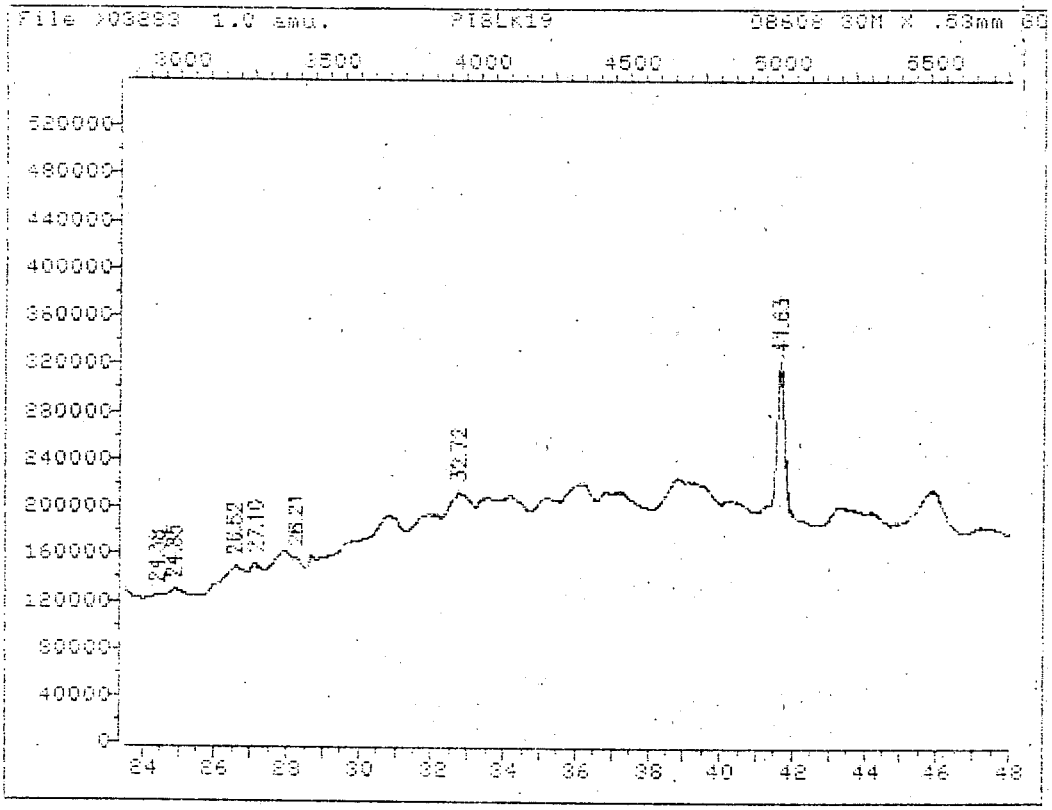
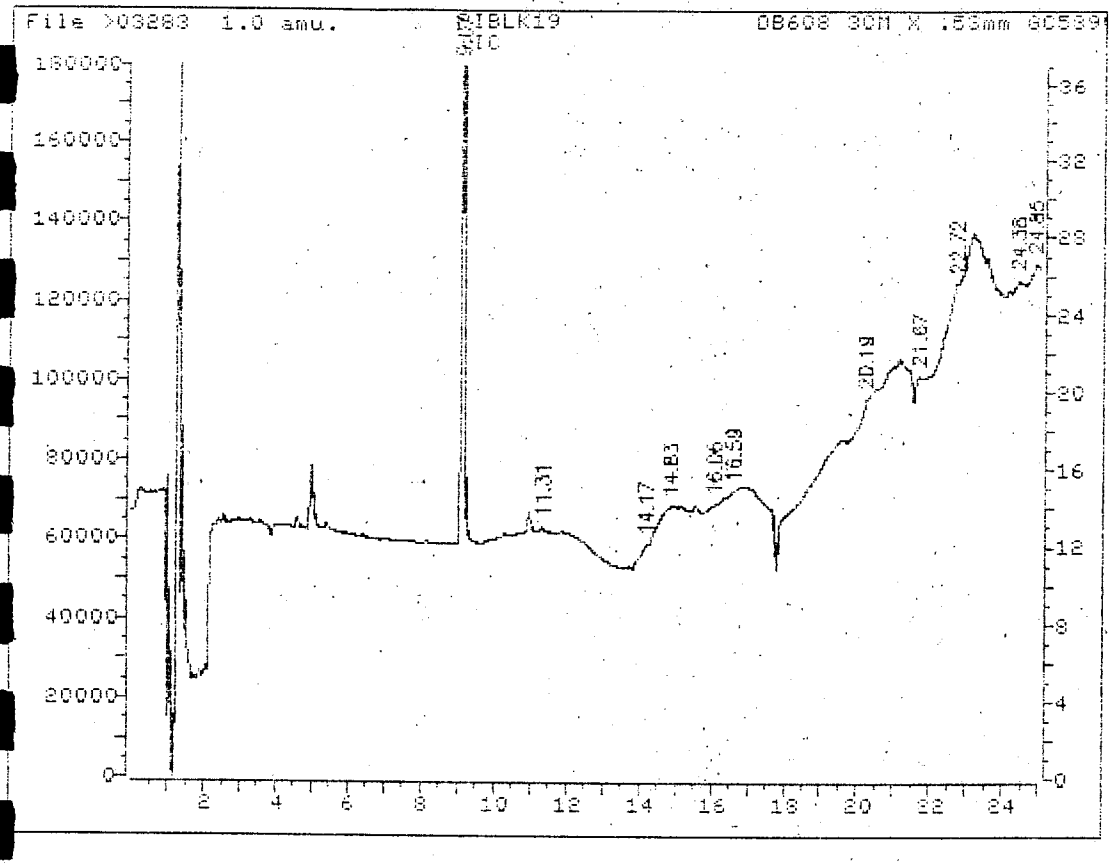


Data File: >03283::F3 Quant Output File: >03283::GQ
Name: PIBLK19 Instrument ID: GC03
Misc: DB608 30M X .53mm SC58903 1ul inj.

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

Operator ID: TRFI2
Quant Time : 960712 14:05
Injected at: 960712 12:57

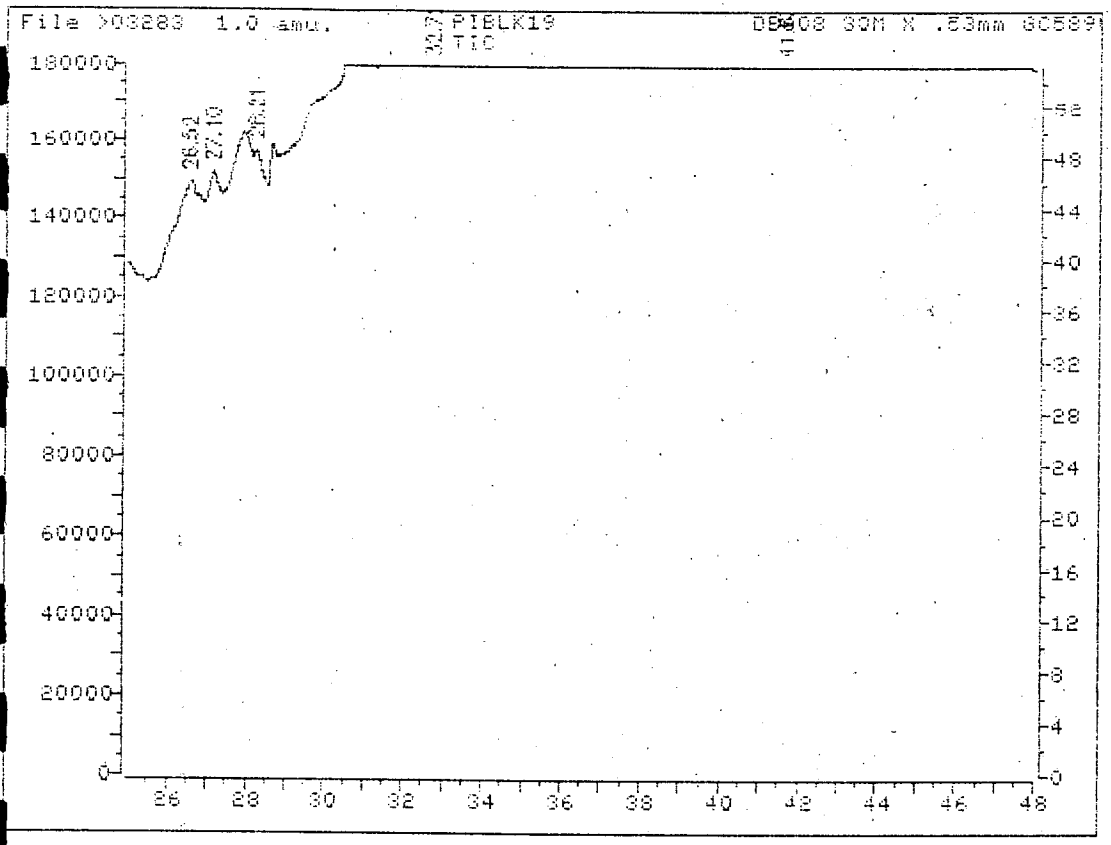
Page 2 of 2



MS data file header from : >03283::F3

Sample: PIBLK19 Operator: TRFI2 7/12/96 12:57
Misc : DB608 30M X .53mm GC58903 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 : >03283::F3

Sample: PIBLK19 Operator: TRFI2 7/12/96 12:57
Misc : DB608 30M X .53mm GC58903 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

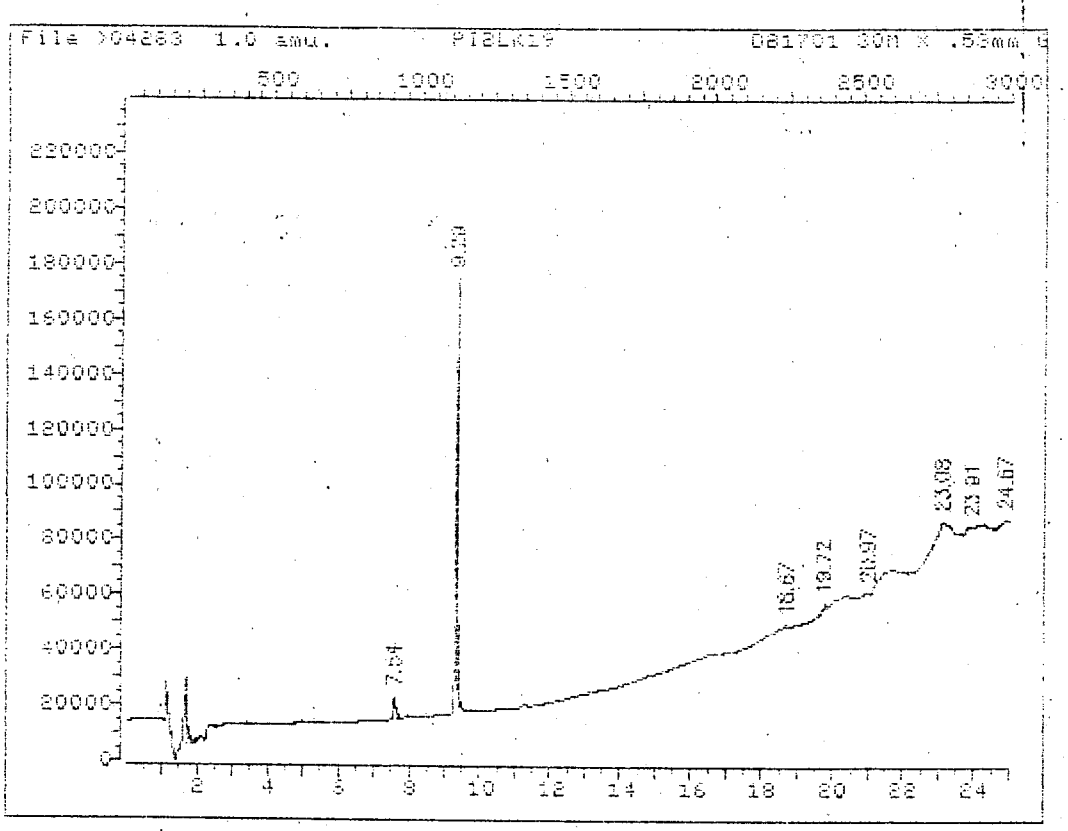
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 14:06
Output File: ^04283::GQ Injected at: 960712 12:57
Data File: >04283::G1 Dilution Factor: 1.00000
Name: PIBLK19 Instrument ID: GC04
Misc: DB1701 30M X .53mm SC58903 1ul inj.

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
1)	#Tetrachloro-m-xylene	9.29	1115	826278	19.95	ng/ml	100
3)	#~~beta BHC~~ <CRQL + NT	18.67	2240	130721	4.98	ng/ml	100
4)	#~~delta BHC~~ NC	19.72	2366	128123	5.26	ng/ml	100
13)	#~~Endosulfan II~~ NC	26.59	3191	32430	.906	ng/ml	100
15)	#~~Endosulfan Sulfate~~ OW	30.70	3684	70510	2.67	ng/ml	100
17)	#~~Methoxychlor~~ OW	30.70	3684	70510	5.24	ng/ml	100
18)	#~~Endrin ketone~~ OW	33.14	3977	148114	5.26	ng/ml	100
19)	#Decachlorobiphenyl	38.66	4639	658068	14.09	ng/ml	100
24)	#~~Aroclor-1221~~(1) NP	7.54	905	45128	57.06	ng/ml	100
25)	#~~Aroclor-1232~~(1) NP	7.54	905	45128	37.90	ng/ml	100
29)	#~~Aroclor-1260~~(1) NP	23.91	2869	32730	14.17	ng/ml	100
30)	#~~Endrin aldehyde~~ OW	28.98	3477	274814	9.04	ng/ml	100
37)	#~~Aroclor-1016~~(5) NP	18.67	2240	157596	76.48	ng/ml	100
48)	#~~Aroclor-1248~~(3) NP	18.67	2240	157596	63.97	ng/ml	100
52)	#~~Aroclor-1254~~(3) NP	20.97	2516	16155	8.81	ng/ml	100
53)	#~~Aroclor-1254~~(4) NP	23.08	2769	701938	275.30	ng/ml	100
54)	#~~Aroclor-1254~~(5) NP	23.91	2869	32730	24.13	ng/ml	100
55)	#~~Aroclor-1260~~(2) NP	24.87	2984	33059	12.18	ng/ml	100
58)	#~~Aroclor-1260~~(5) NP	32.21	3865	24978	10.06	ng/ml	100

Compound uses ESTD

EPuci
7/13/96

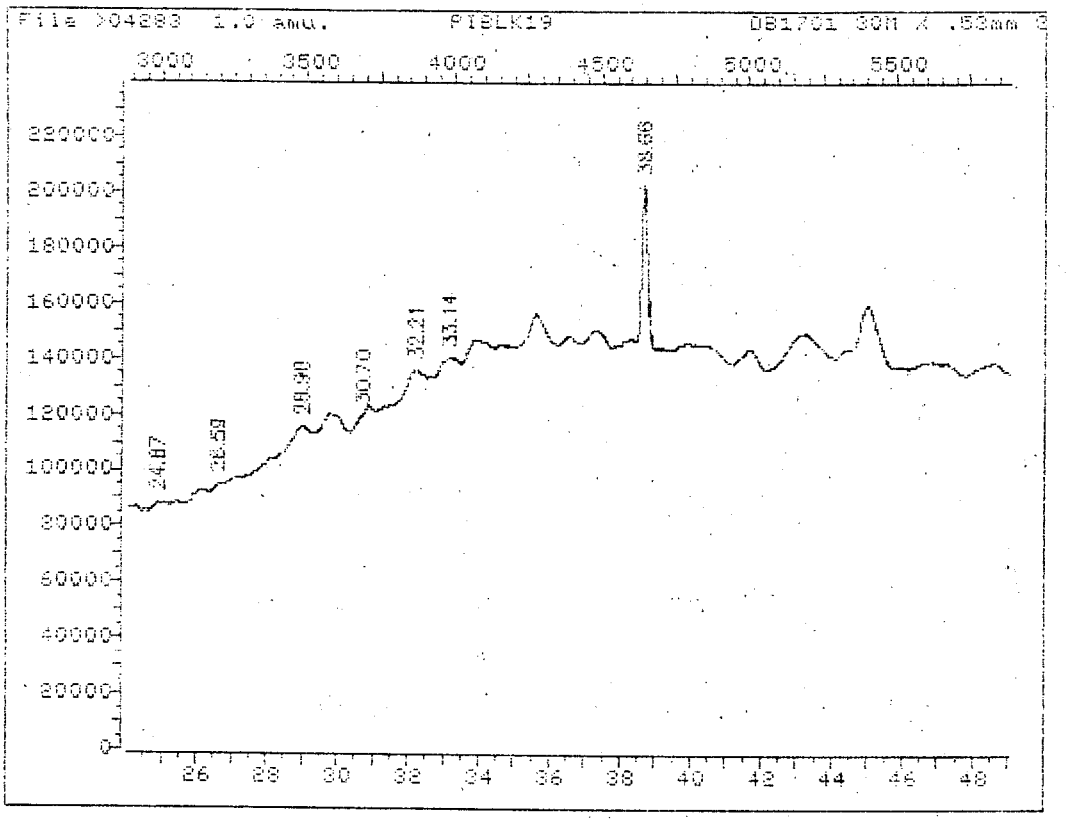


Data File: >04283::G1 Quant Output File: ^04283::GQ
Name: PISLK19 Instrument ID: GC04
Misc: DB1701 30M X .53mm SC58903 1ul inj.

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

Operator ID: TRFI2
Quant Time : 960712 14:06
Injected at: 960712 12:57

Page 1 of 2

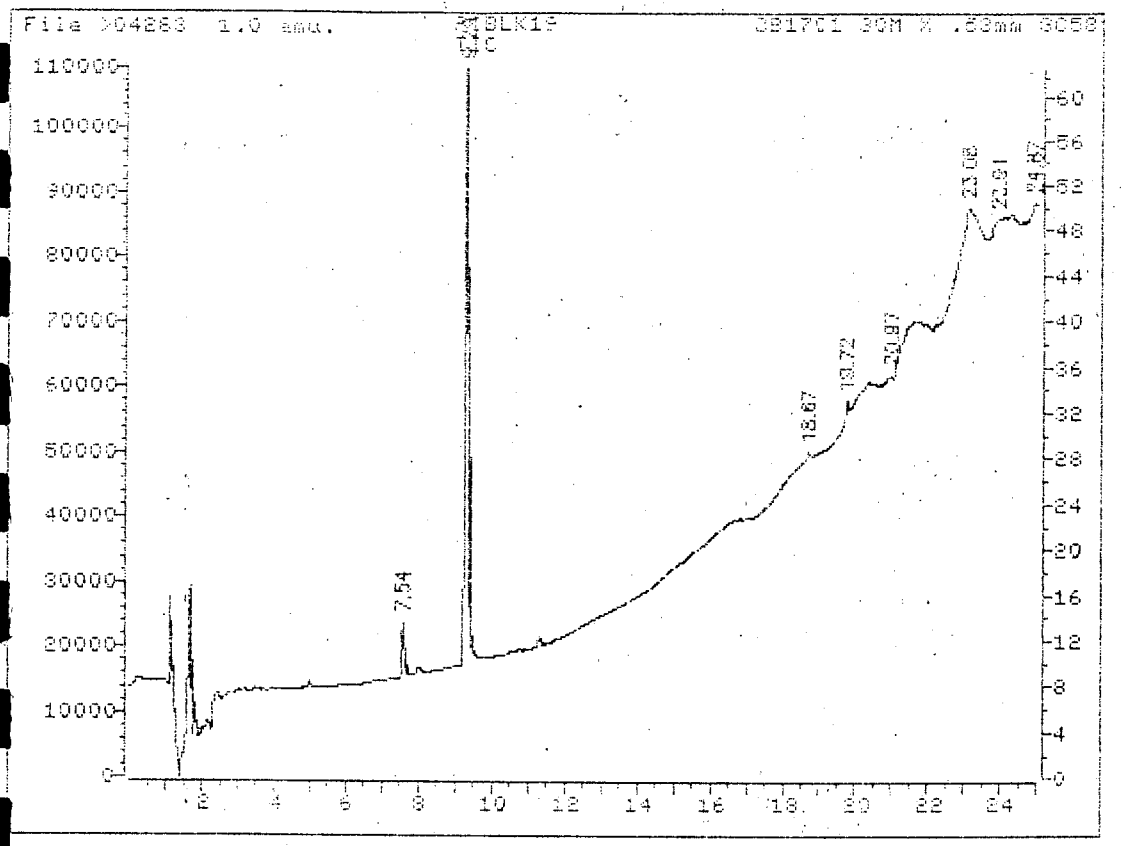


Data File: >04283::G1 Quant Output File: ^04283::GQ
Name: PIBLK19 Instrument ID: GC04
Misc: DB1701 30M X .53mm GC58903 1ul inj.

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 14:06
Injected at: 960712 12:57

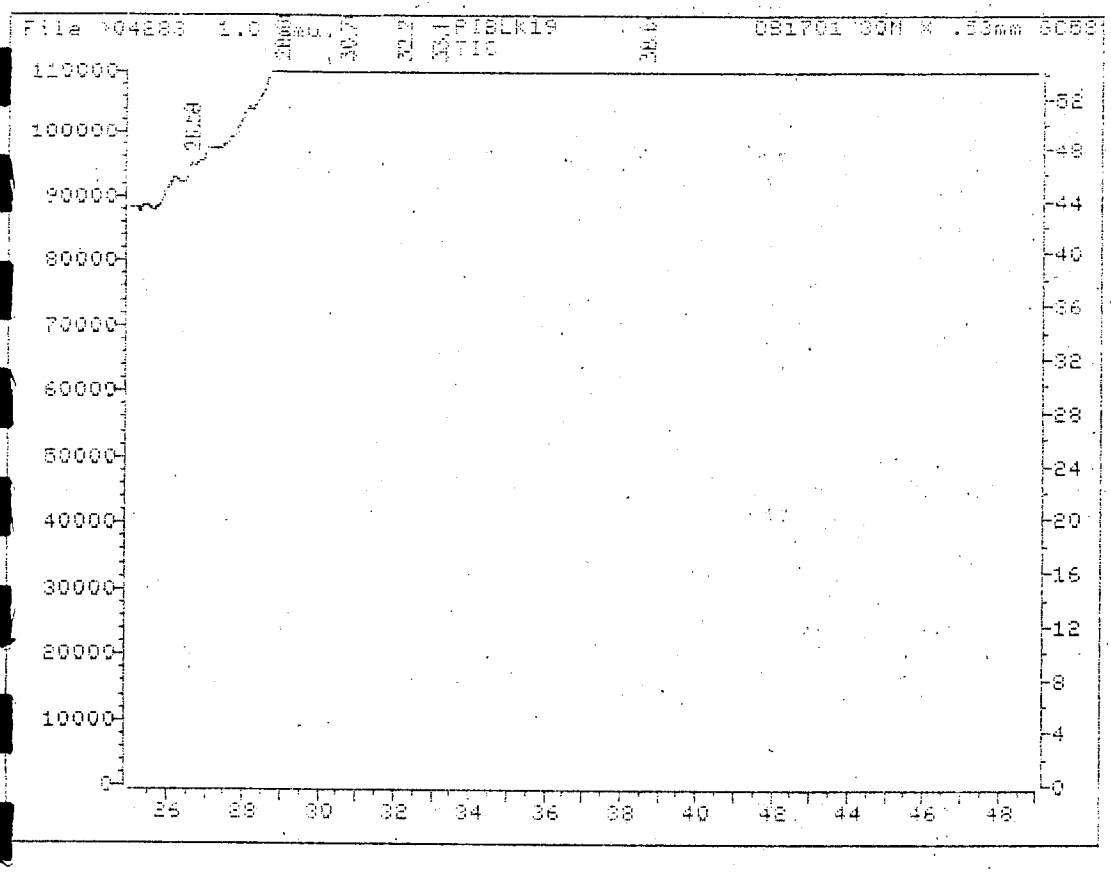
Page 2 of 2



MS data file header from : >04283::G1

Sample: PIBLK19 Operator: TRFI2 7/12/96 12:57
Misc : DB1701 30M X .53mm GC58903 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 : >04283::G1

Sample: PIBLK19 Operator: TRFI2 7/12/96 12:57
Misc : DB1701 30M X .53mm GC58903 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.

PIBLK20

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK20

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03286

% 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: 07/12/96

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 Page 1

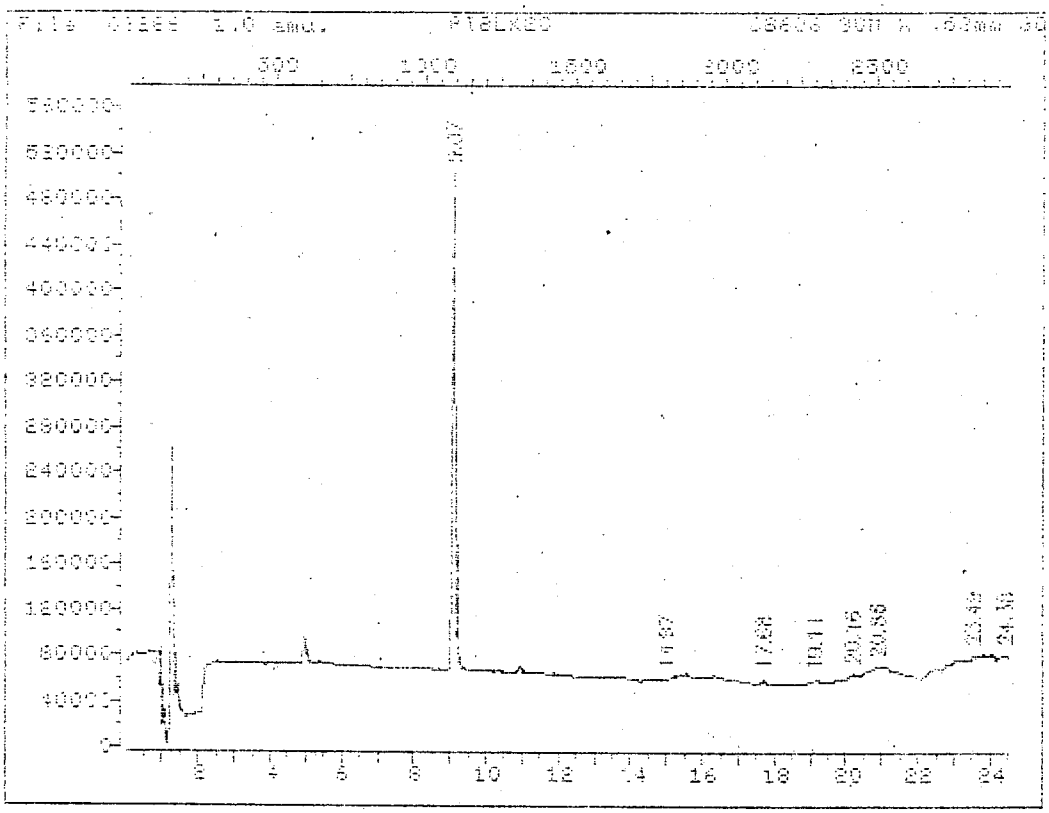
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960712 16:47
Output File: 103296::SG Injected at: 960712 15:55
Data File: 03286::F3 Dilution Factor: 1.00000
Name: PTBLK1 Instrument ID: GC03
Misc: 2B608 30M X .53mm .C7I903 1ul inj.

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	9.07	1088	2460203	19.66	ng/ml	100
3)	#~~[illegible]~~ OW	14.97	1796	5763	.0702	ng/ml	100
8)	#~~[illegible]~~ NC	20.16	2419	55581	.506	ng/ml	100
14)	#~~[illegible]~~ OW	25.40	3048	37063	.643	ng/ml	100
15)	#~~[illegible]~~ NC	28.26	3391	101707	1.15	ng/ml	100
17)	#~~[illegible]~~ OW	32.29	3874	54193	1.40	ng/ml	100
18)	#~~[illegible]~~ OW	32.89	3946	48984	.544	ng/ml	100
19)	#Decachlorobiphenyl	41.61	4993	2070939	17.30	ng/ml	100
21	~~[illegible]~~ NC	20.86	2503	44332	.376	ng/ml	100
28)	#~~Aroclor 1254~~(1) NP	20.86	2503	44332	9.35	ng/ml	100
29)	#~~Aroclor 1260~~(1) NP	24.38	2926	58193	7.51	ng/ml	100
32)	#Toxaphene(3) NP	28.26	3391	101707	40.69	ng/ml	100
37)	#~~Aroclor 1016~~(5) NP	19.11	2293	13690	4.03	ng/ml	100
46)	#~~Aroclor 1242~~(5) NP	19.11	2293	13690	4.58	ng/ml	100
47)	#~~Aroclor 1248~~(2) NP	17.68	2121	24106	9.24	ng/ml	100
48)	#~~Aroclor 1248~~(3) NP	19.11	2293	13690	3.30	ng/ml	100
53)	#~~Aroclor 1254~~(4) NP	23.49	2819	18636	3.07	ng/ml	100
58)	#~~Aroclor 1260~~(5) NP	32.89	3946	48984	8.87	ng/ml	100

Compound uses ESTD

7/23/96

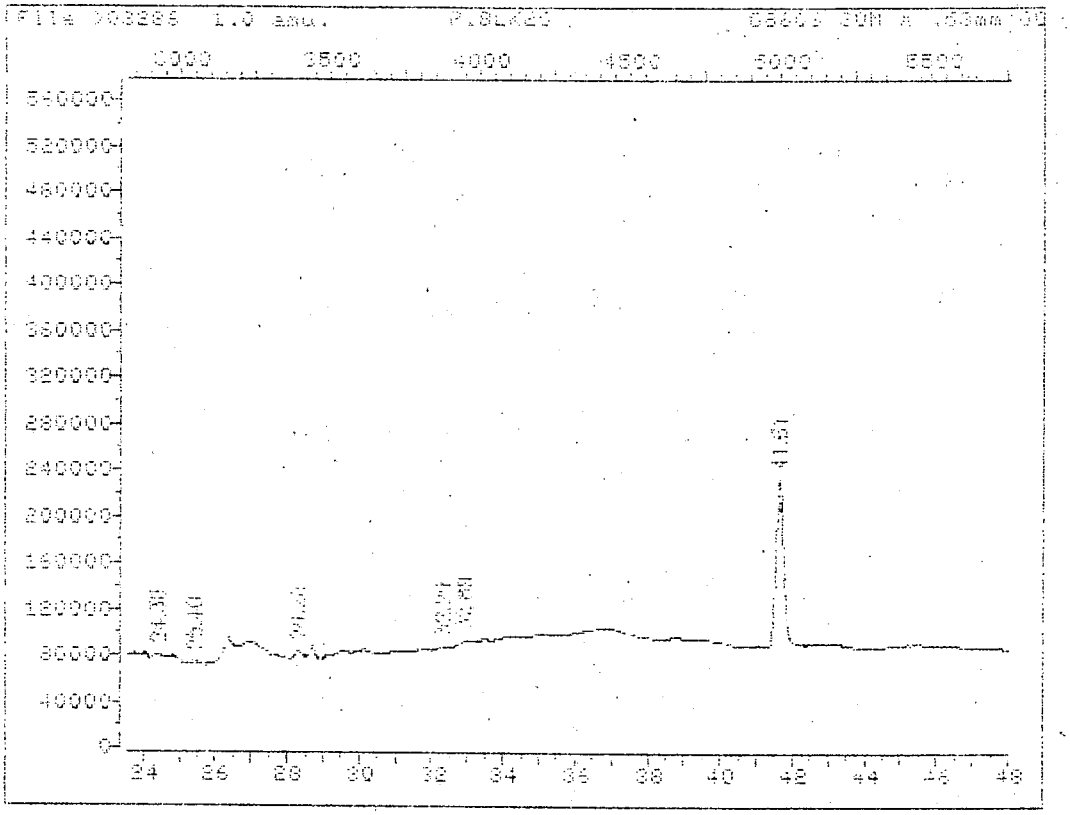


Data File: ^03286::F3 Quant Output File: ^03286::G0
Name: PIBLK20 Instrument ID: GC05
Misc: DB608 30M X .53mm SC58905 1ul inj.

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

Operator ID: TRF12
Quant Time : 960712 16:47
Injected at: 960712 15:55

Page 1 of 2



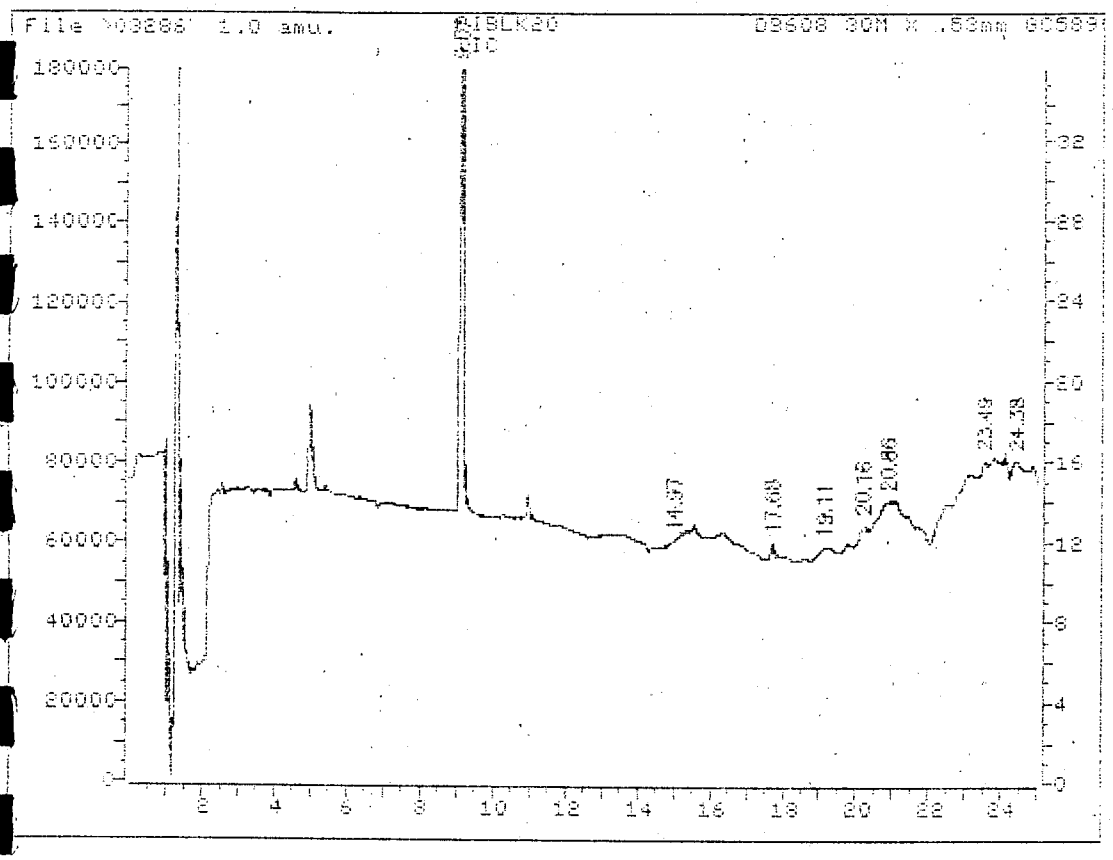
Data File: >03286::FF
Name: PIBLK20
Misc: DB608 30M X .53mm SC58903 1ul inj.

Quant Output File: ^03286::GQ
Instrument ID: GC03

Id File: IDCAR1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qual Time: 960702 00:13

Operator ID: TRF12
Quant Time : 960712 16:47
Injected at: 960712 15:55

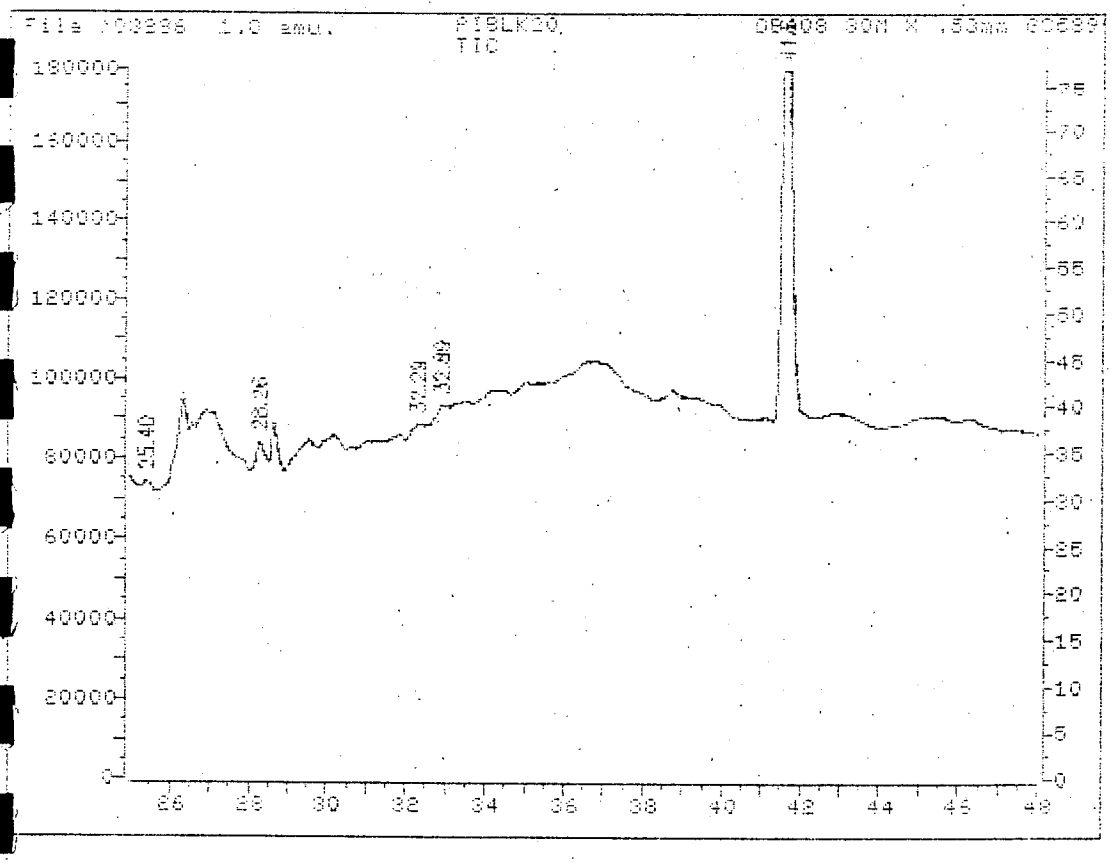
Page 2 of 2



MS data file header from : >03286::F3

Sample: PIBLK20 Operator: TRFI2 7/12/96 15:55
Misc : DB608 30M X .53mm GC58903 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 : >03286::F5

Sample: PIBLK20 Operator: TRFI2 7/12/96 15:55
Misc : DB608 30M X .53mm GC58903 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: ^04286::GQ
Data File: >04286::G1
Name: PIBLK20 7/12/96
Misc: DB~~1071~~ 1701 30M X .53mm GC58903 1ul inj.

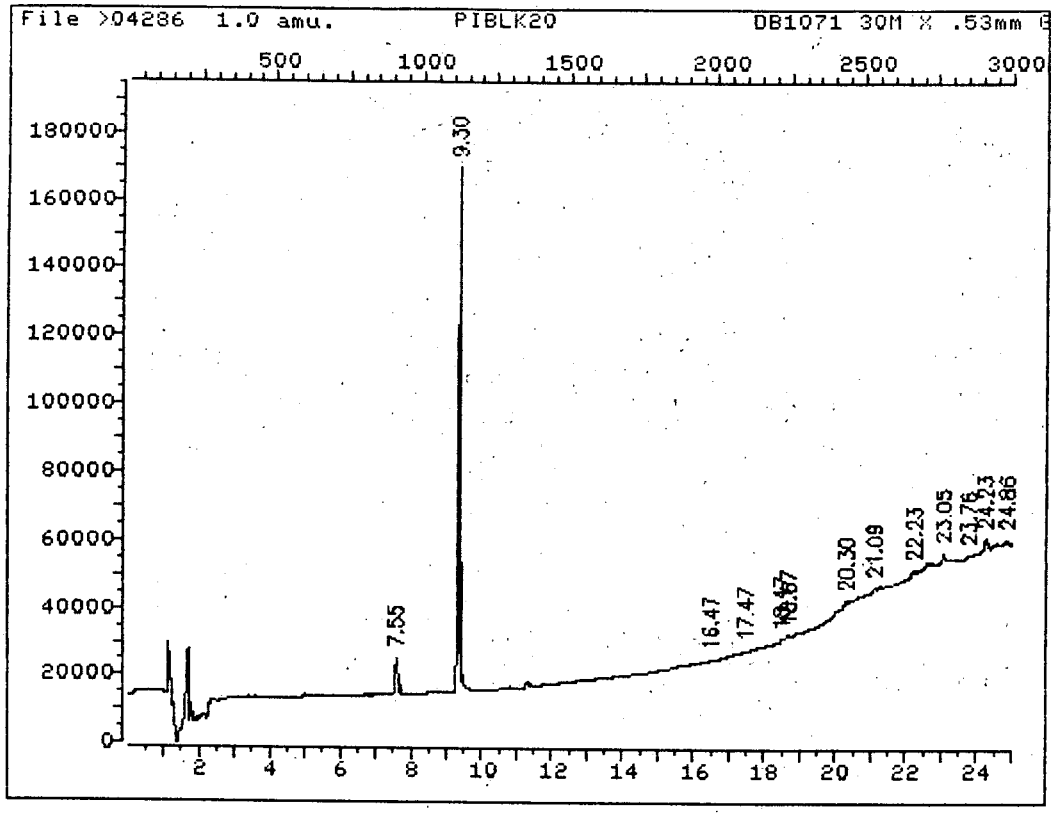
Quant Rev: 7
Quant Time: 960712 16:50
Injected at: 960712 15:55
Dilution Factor: 1.00000
Instrument ID: GC04

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	821314	19.83	ng/ml	100
3)	~~#beta-BHC~~ NC	18.67	2240	5413	.206	ng/ml	100
6)	~~#Heptachlor~~ NC	16.47	1977	49377	1.04	ng/ml	100
7)	~~#Aldrin~~ NC	17.47	2096	34591	.918	ng/ml	100
12)	~~#Endrin~~ NC	24.23	2908	23056	.795	ng/ml	100
13)	~~#Endosulfan II~~ NC	26.57	3188	109349	3.06	ng/ml	100
14)	~~#4,4'-DDD~~ NC	26.57	3188	146427	6.93	ng/ml	100
16)	~~#4,4'-DDT~~ NC	27.41	3289	48674	2.95	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.87	3704	74851	5.56	ng/ml	100
19)	#Decachlorobiphenyl	38.66	4639	830225	17.78	ng/ml	100
20)	~~#alpha-Chlordane~~ NC	22.23	2668	82297	1.97	ng/ml	100
24)	~~#Aroclor-1221~~(1) NP	7.55	906	58545	74.03	ng/ml	100
25)	~~#Aroclor-1232~~(1) NP	7.55	906	58545	49.16	ng/ml	100
28)	~~#Aroclor-1254~~(1) NP	17.47	2096	46683	29.39	ng/ml	100
29)	~~#Aroclor-1260~~(1) NP	23.76	2851	5597	2.42	ng/ml	100
36)	~~#Aroclor-1016~~(4) NP	16.47	1977	26912	18.48	ng/ml	100
37)	~~#Aroclor-1016~~(5) NP	18.47	2216	36007	17.47	ng/ml	100
45)	~~#Aroclor-1242~~(4) NP	16.47	1977	26912	23.55	ng/ml	100
46)	~~#Aroclor-1242~~(5) NP	17.47	2096	46683	59.00	ng/ml	100
48)	~~#Aroclor-1248~~(3) NP	18.47	2216	36007	14.62	ng/ml	100
50)	~~#Aroclor-1248~~(5) NP	20.30	2436	114510	119.31	ng/ml	100
51)	~~#Aroclor-1254~~(2) NP	20.30	2436	135691	66.74	ng/ml	100
52)	~~#Aroclor-1254~~(3) NP	21.09	2531	7453	4.06	ng/ml	100
53)	~~#Aroclor-1254~~(4) NP	23.05	2766	20384	7.99	ng/ml	100
54)	~~#Aroclor-1254~~(5) NP	23.76	2851	5597	4.13	ng/ml	100
55)	~~#Aroclor-1260~~(2) NP	24.86	2983	9878	3.64	ng/ml	100
57)	~~#Aroclor-1260~~(4) NP	30.01	3601	104973	26.70	ng/ml	100
58)	~~#Aroclor-1260~~(5) NP	32.00	3840	70867	28.54	ng/ml	100

Compound uses ESTD

7/23/96



Data File: >04286::G1 Quant Output File: ^04286::GQ
Name: PIBLK20 Instrument ID: GC04
Misc: DB1071 30M X .53mm GC58903 1ul inj.

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

Operator ID: TRFI2
Quant Time : 960712 16:50
Injected at: 960712 15:55

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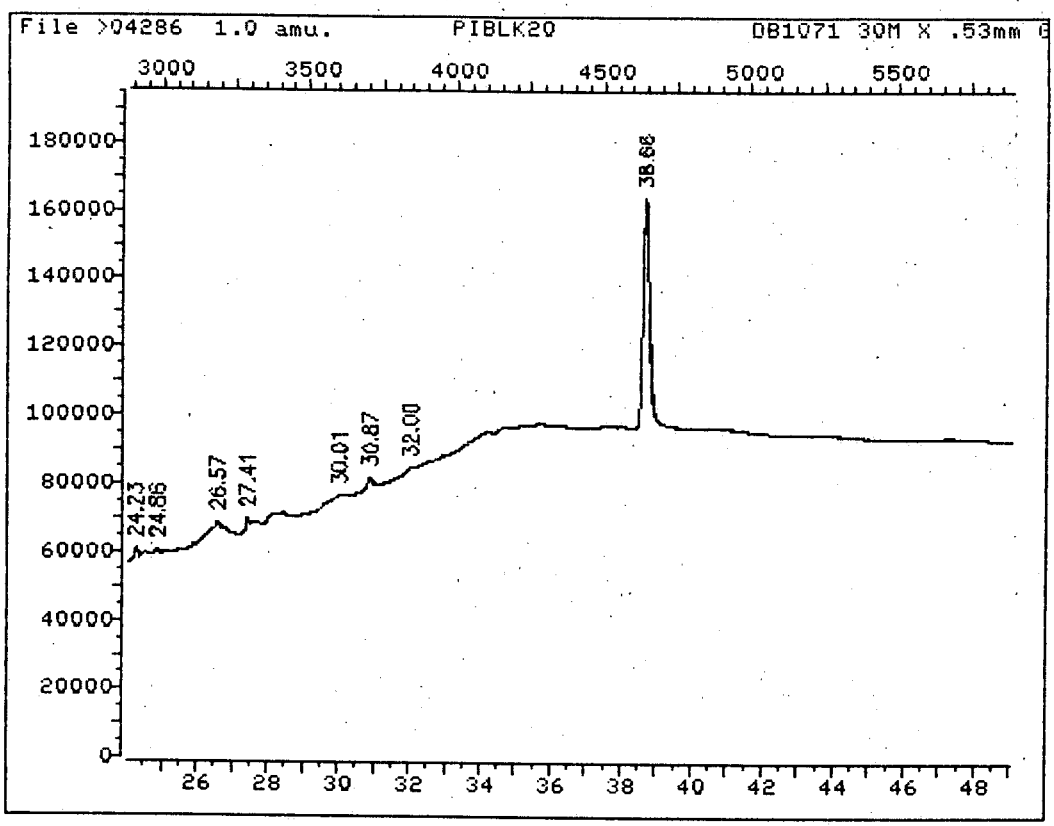
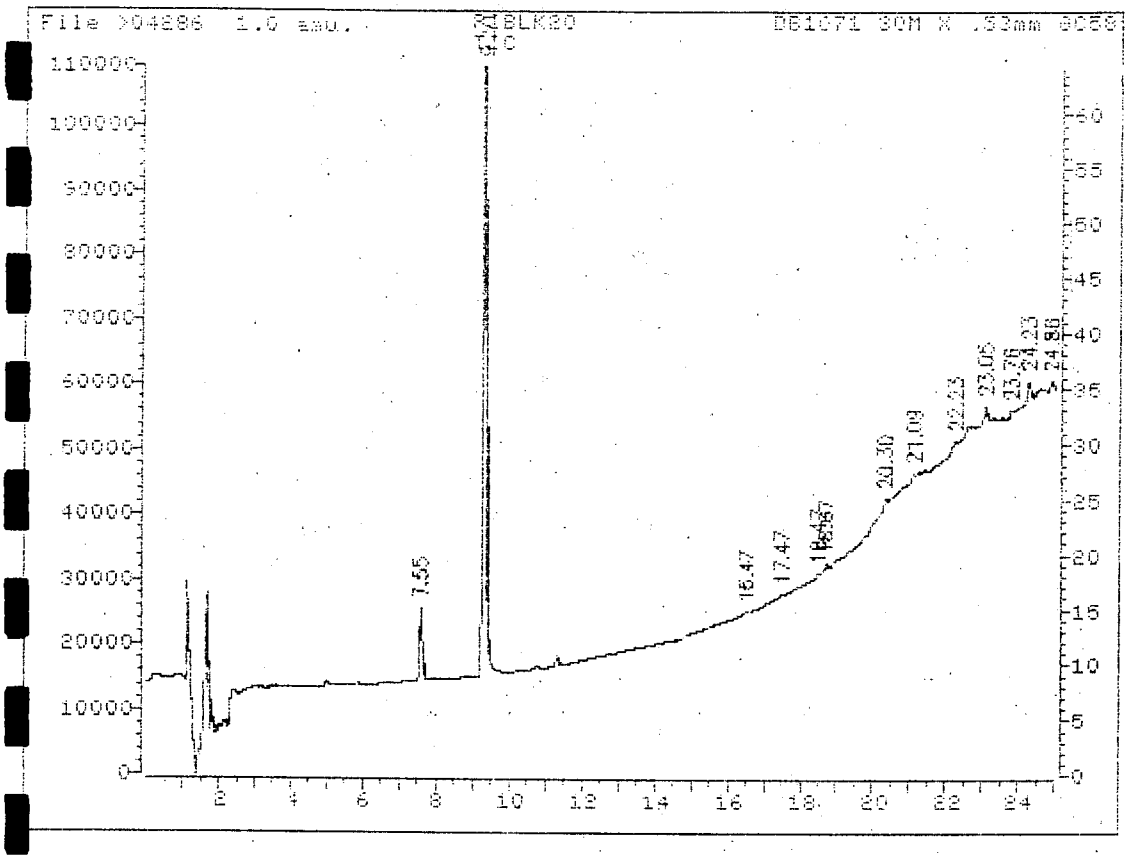


Data File: >04286::G1 Quant Output File: ^04286::GQ
Name: PIBLK20 Instrument ID: GC04
Misc: DB1071 30M X .53mm GC58903 1ul inj.

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

Operator ID: TRFI2
Quant Time : 960712 16:50
Injected at: 960712 15:55

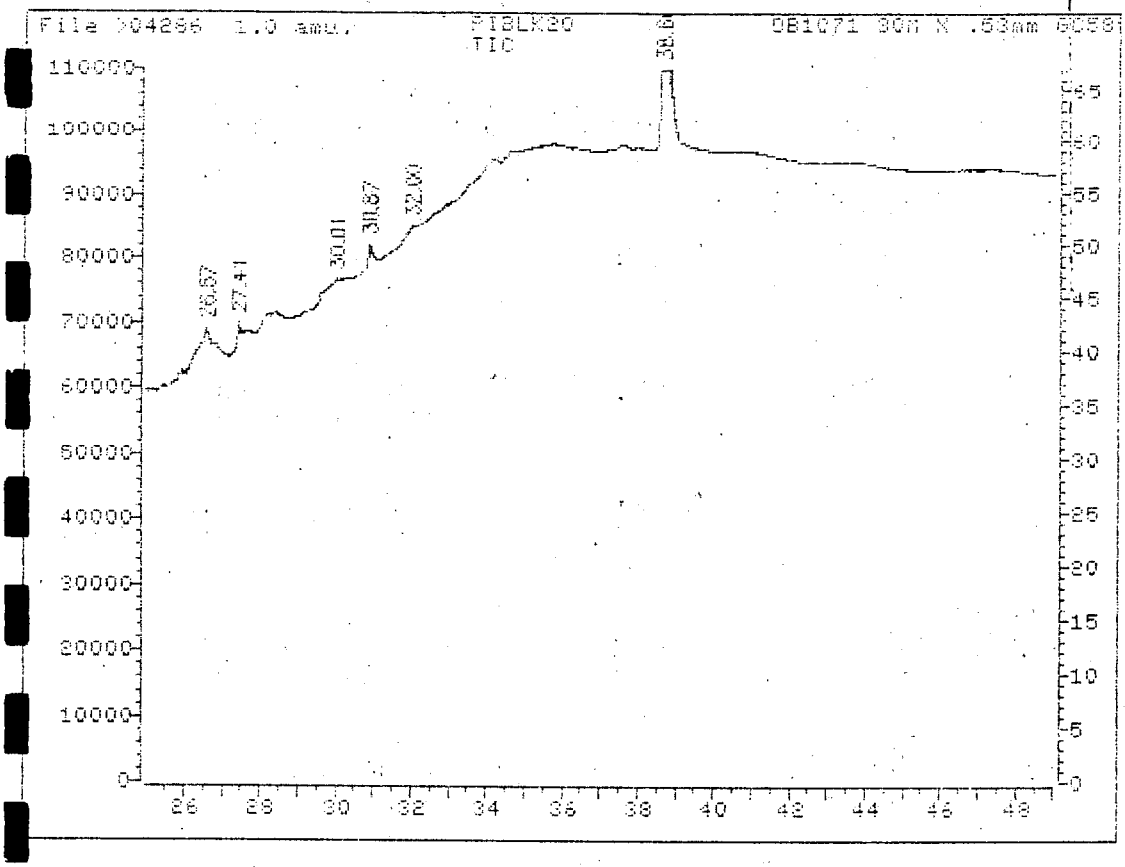
Page 2 of 2



MS data file header from : >04286::G1

Sample: PIBLK20 Operator: TRFI2 7/12/96 15:55
Misc : DB1071 30M X .53mm GC58903 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 : >04286::G1

Sample: PIBLK20 Operator: TRFI2 7/12/96 15:55
Misc : DB1071 30M X .53mm GC58903 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.

PIBLK01A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03311

% 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: 07/14/96

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

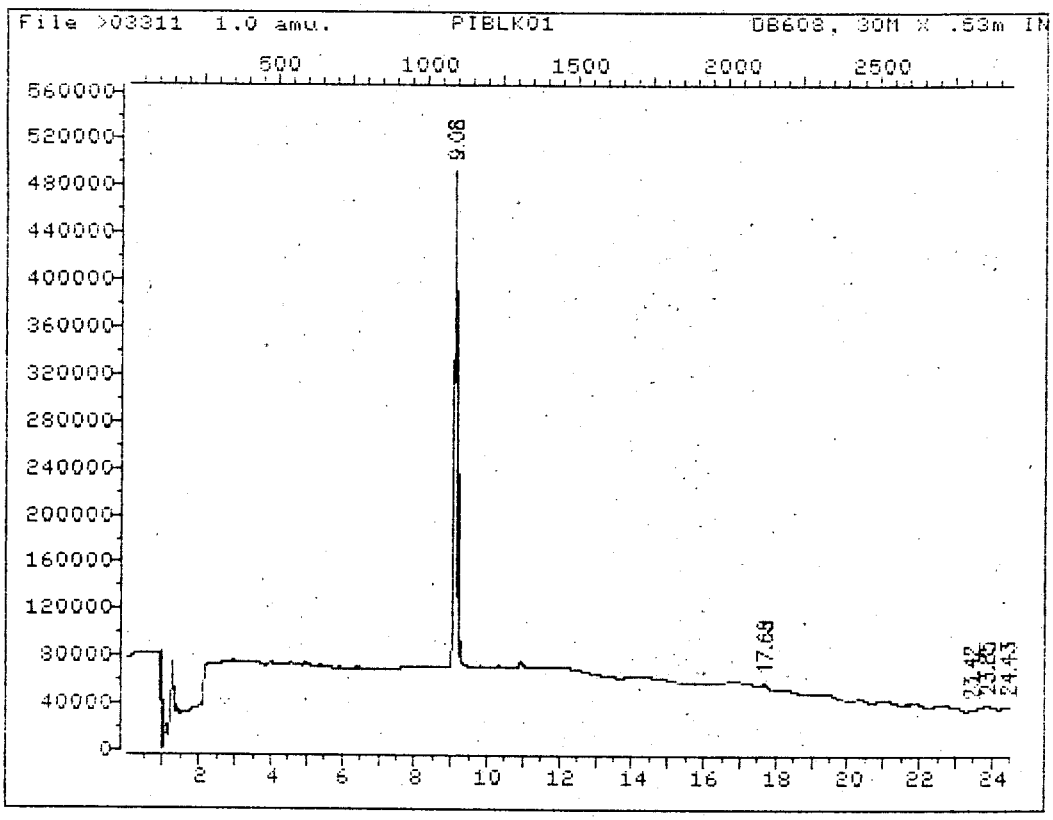
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 08:52
Output File: ^03311::GQ Injected at: 960714 04:22
Data File: >03311::F3 Dilution Factor: 1.00000
Name: PIBLK01A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.08	1090	2393977	20.01	ng/ml	100
12)	#~~Endrin~~ OW	24.94	2992	14911	.171	ng/ml	100
14)	#~~4,4' DDD~~ OW	25.53	3063	38620	.625	ng/ml	100
15)	#~~Endosulfan Sulfate~~ VC	28.35	3402	46340	.527	ng/ml	100
18)	#~~Endrin ketone~~ VC	32.74	3928	8977	.0968	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	2450817	21.20	ng/ml	100
22)	#~~Toxaphene~~(1) NP	23.85	2862	92879	58.13	ng/ml	100
29)	#~~Aroclor 1260~~(1) NP	24.43	2931	28881	4.51	ng/ml	100
32)	#~~Toxaphene~~(3) NP	28.35	3402	46340	21.85	ng/ml	100
47)	#~~Aroclor-1248~~(2) NP	17.68	2122	33863	10.61	ng/ml	100
53)	#~~Aroclor-1254~~(4) NP	23.42	2810	6545	1.01	ng/ml	100
54)	#~~Aroclor 1254~~(5) NP	24.94	2992	14911	4.08	ng/ml	100
55)	#~~Aroclor-1260~~(2) NP	24.94	2992	14911	2.09	ng/ml	100
56)	#~~Aroclor-1260~~(3) NP	26.59	3191	36855	8.01	ng/ml	100
58)	#~~Aroclor-1260~~(5) NP	32.74	3928	8977	1.82	ng/ml	100

Compound uses ESTD

EPui
7/22/96

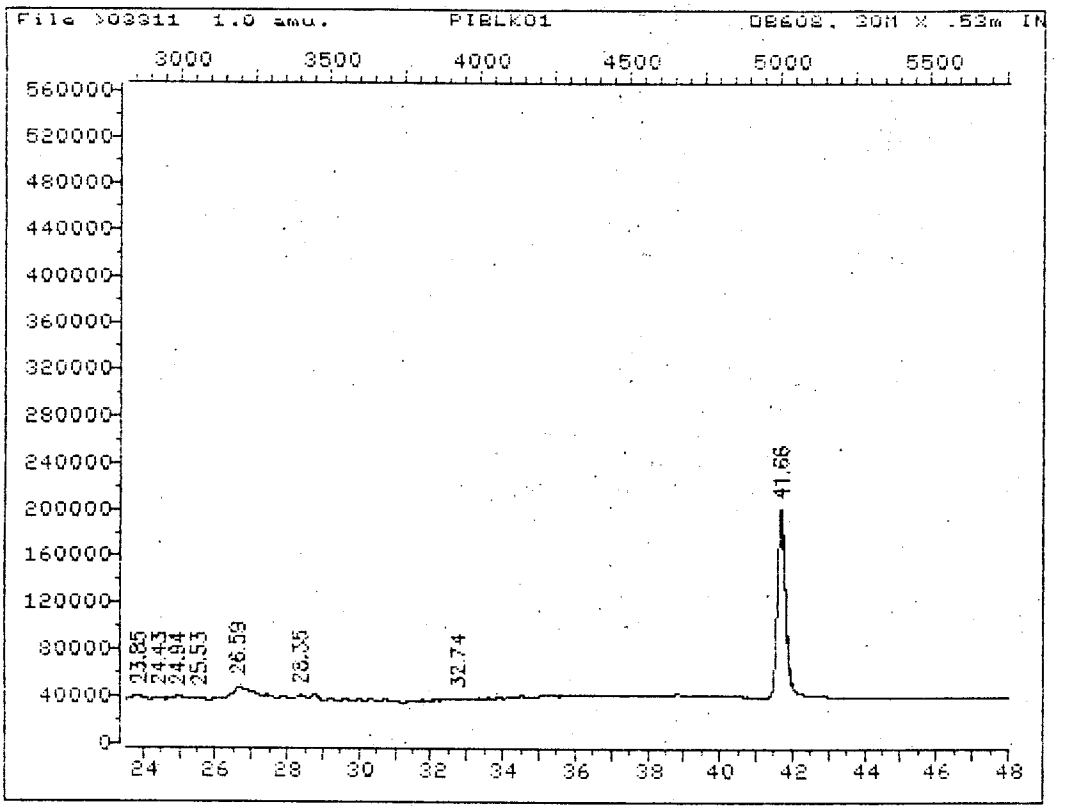


Data File: >03311::F3 Quant Output File: ^03311::GQ
Name: PIBLK01A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 08:52
Injected at: 960714 04:22

Page 1 of 2

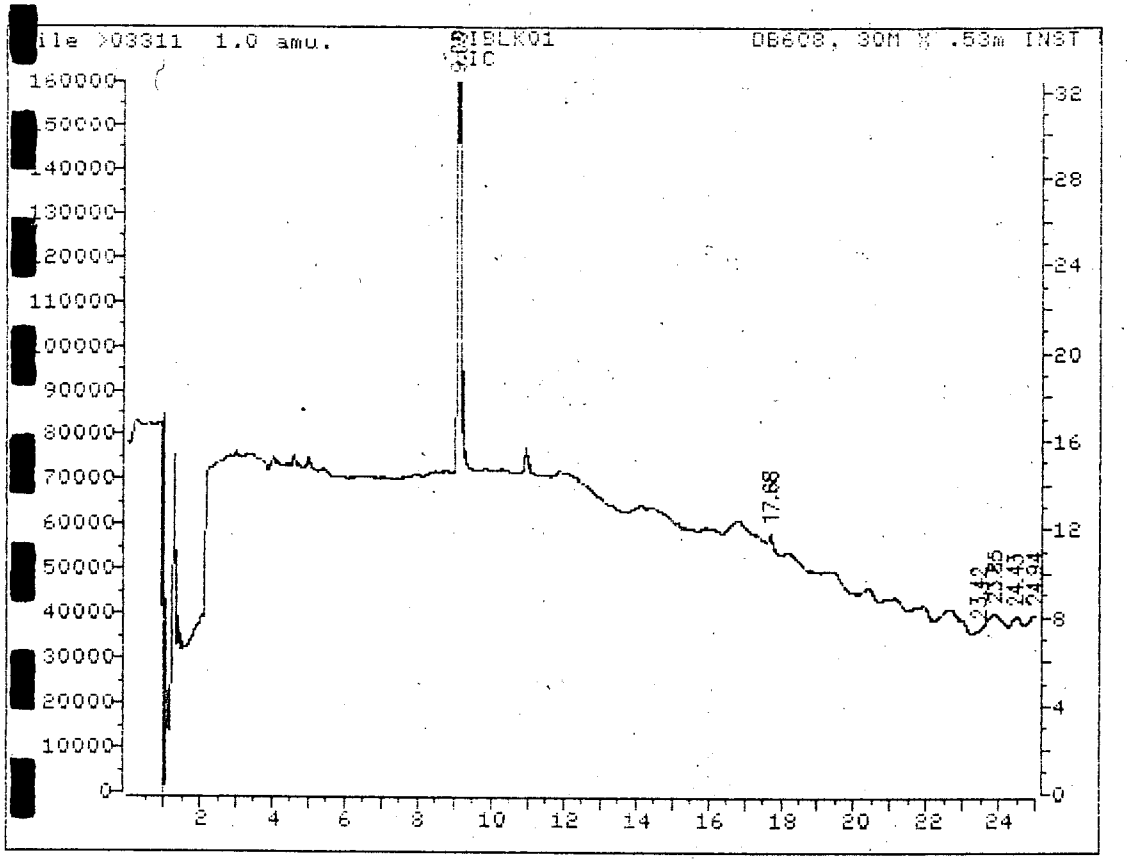


Data File: >03311::F3 Quant Output File: ^03311::GQ
Name: PIBLK01A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 08:52
Injected at: 960714 04:22

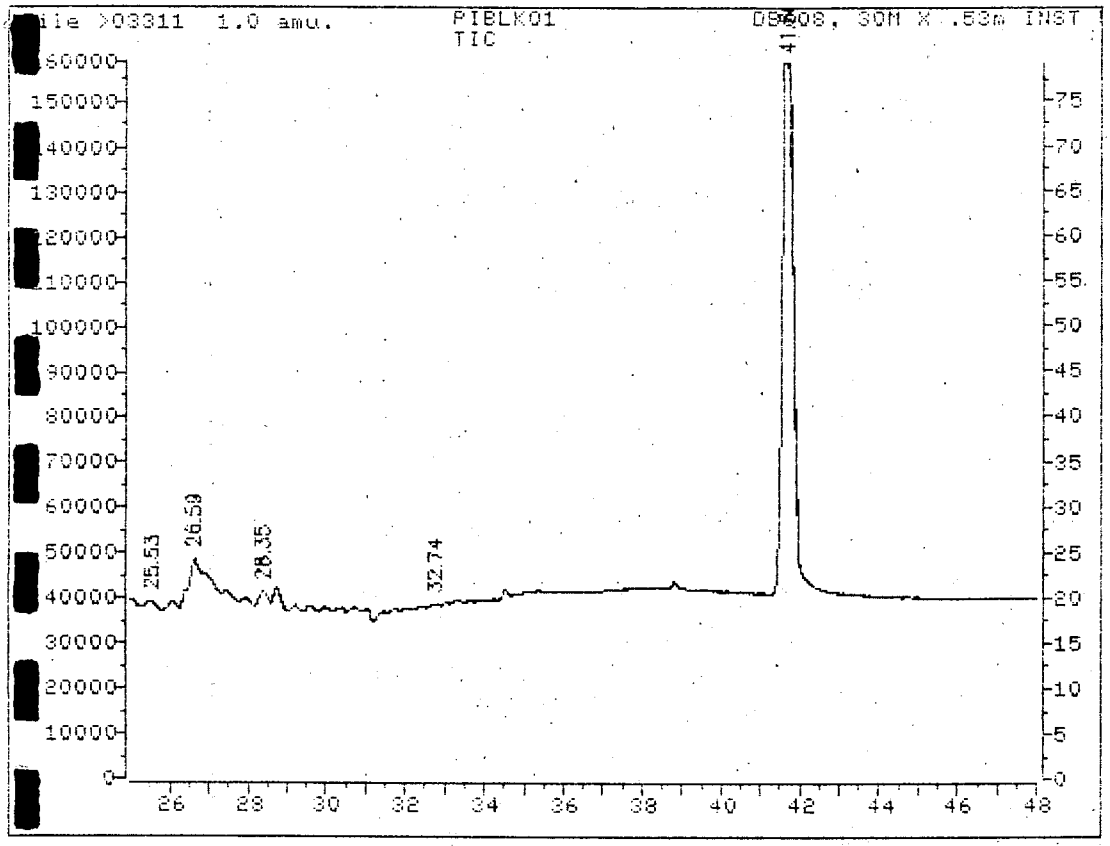
Page 2 of 2



MS data file header from : >03311::F3

Sample: PIBLK01A Operator: TRFI2 7/14/96 4:22
Misc : DB608, 30M X .53m 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 : >03311::F3

Sample: PIBLK01A Operator: TRFI2 7/14/96 4:22
Disc : DB608, 30M X .53m 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

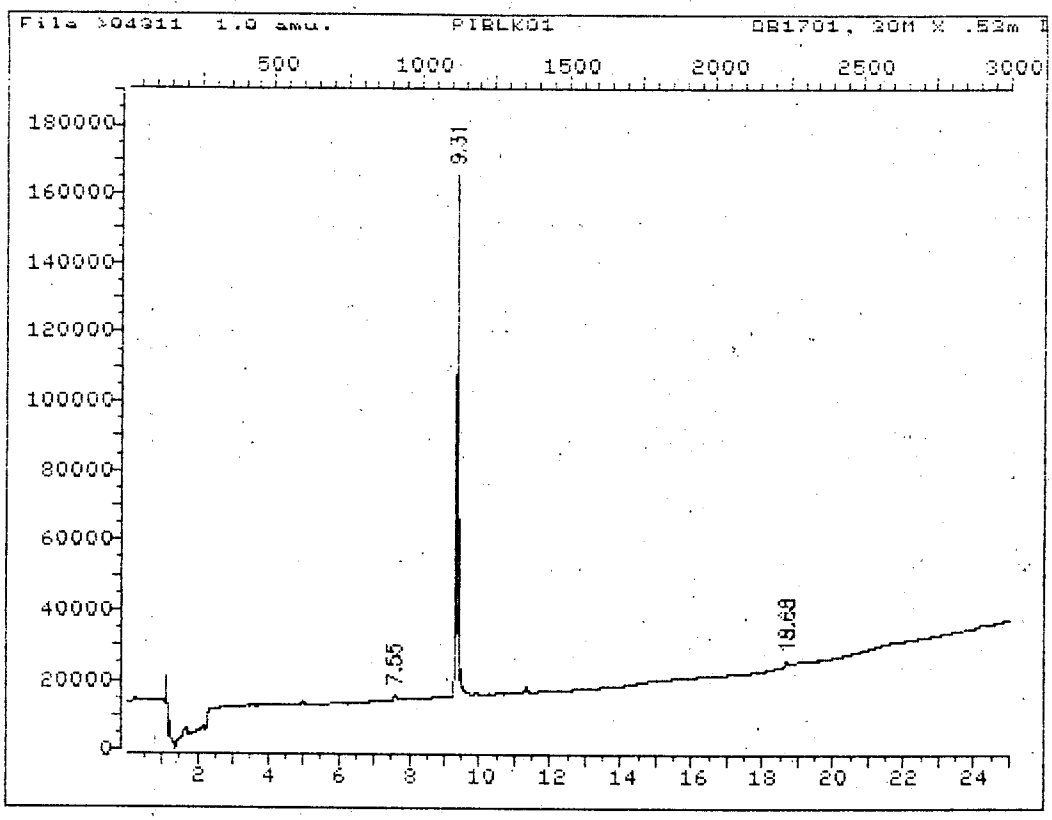
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:20
Output File: ^04311::GQ Injected at: 960714 04:22
Data File: >04311::G1 Dilution Factor: 1.00000
Name: PIBLK01A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	825938	20.19	ng/ml	100
3)	~~#Beta BHC~~ WC	18.68	2241	9261	.369	ng/ml	100
14)	~~#4,4'-DDD~~ OW	26.38	3165	22884	1.19	ng/ml	100
16)	~~#4,4'-DDT~~ OW	27.30	3276	40232	2.30	ng/ml	100
17)	~~#Methoxychlor~~ OW	31.01	3721	88898	6.64	ng/ml	100
18)	~~#Endrin ketone~~ < 1/2 CRQL	32.94	3952	75559	2.38	ng/ml	100
19)	#Decachlorobiphenyl	38.72	4646	953801	20.80	ng/ml	100
24)	~~#Aroclor 1221~~(1) WP	7.55	906	6910	9.04	ng/ml	100
25)	~~#Aroclor-1232~~(1) WP	7.55	906	6910	6.26	ng/ml	100
37)	~~#Aroclor 1016~~(5) WP	18.68	2241	8469	4.33	ng/ml	100
48)	~~#Aroclor-1248~~(3) WP	18.68	2241	8469	3.50	ng/ml	100

Compound uses ESTD

E Price
7/22/96

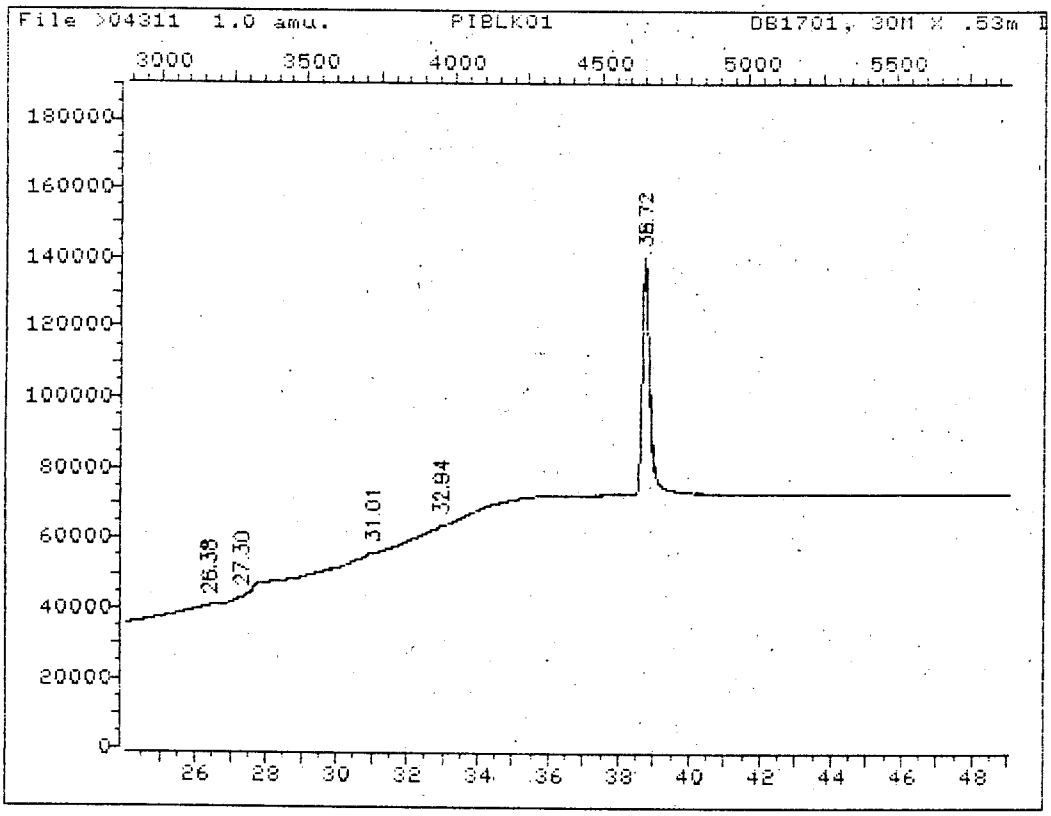


Data File: >04311::G1 Quant Output File: ^04311::GQ
Name: PIBLK01A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 09:20
Injected at: 960714 04:22

Page 1 of 2

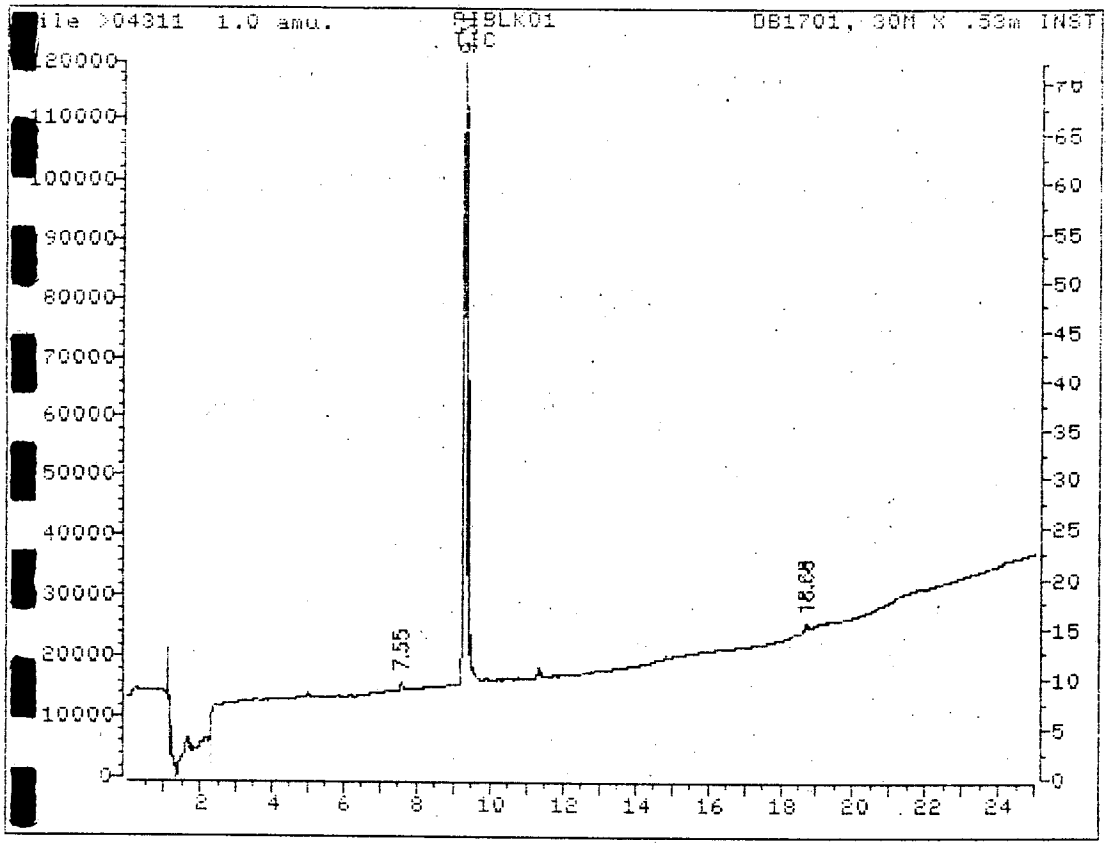


Data File: >04311::G1 Quant Output File: ^04311::GQ
Name: PIBLK01A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 09:20
Injected at: 960714 04:22

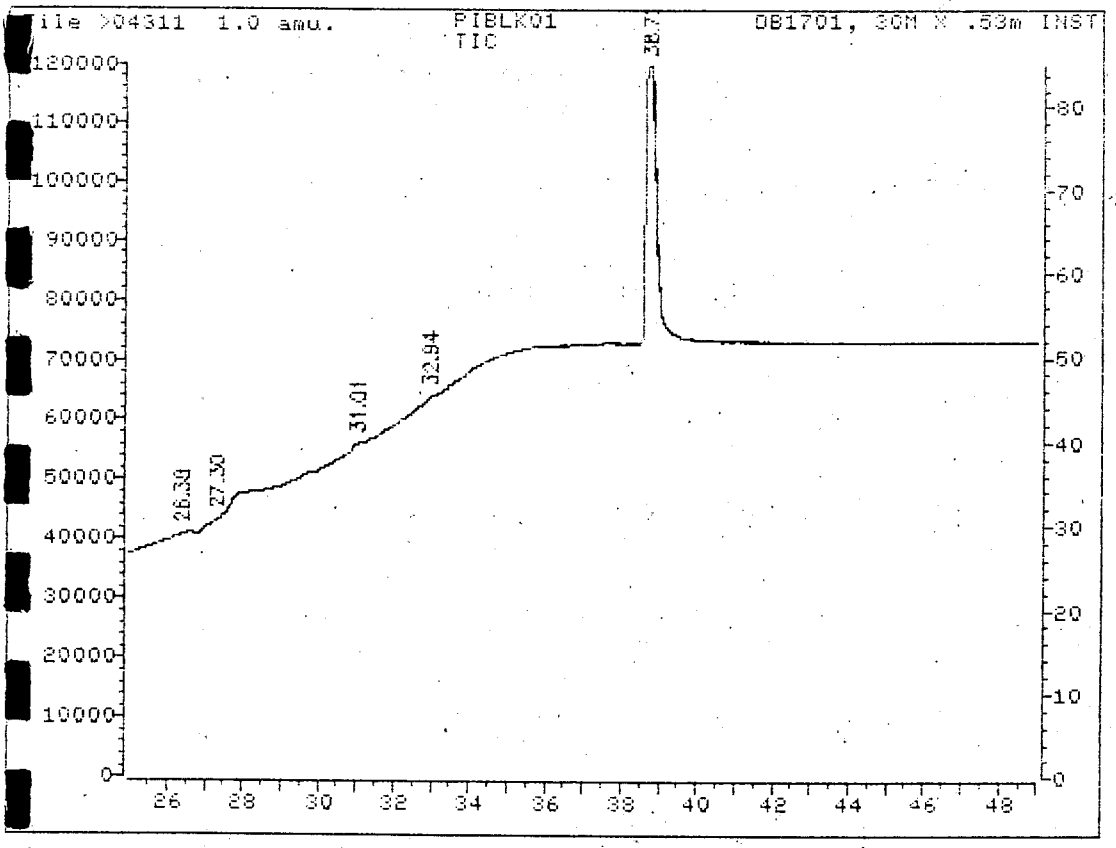
Page 2 of 2



MS data file header from : >04311::G1

Sample: PIBLK01A Operator: TRFI2 7/14/96 4:22
Misc : DB1701, 30M X .53m 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 : >04311::G1

Sample: PIBLK01A Operator: TRFI2 7/14/96 4:22
Misc : DB1701, 30M X .53m 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.

PIBLK02A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK02

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03323

% 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: 07/14/96

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

QUAN REPORT Page 1

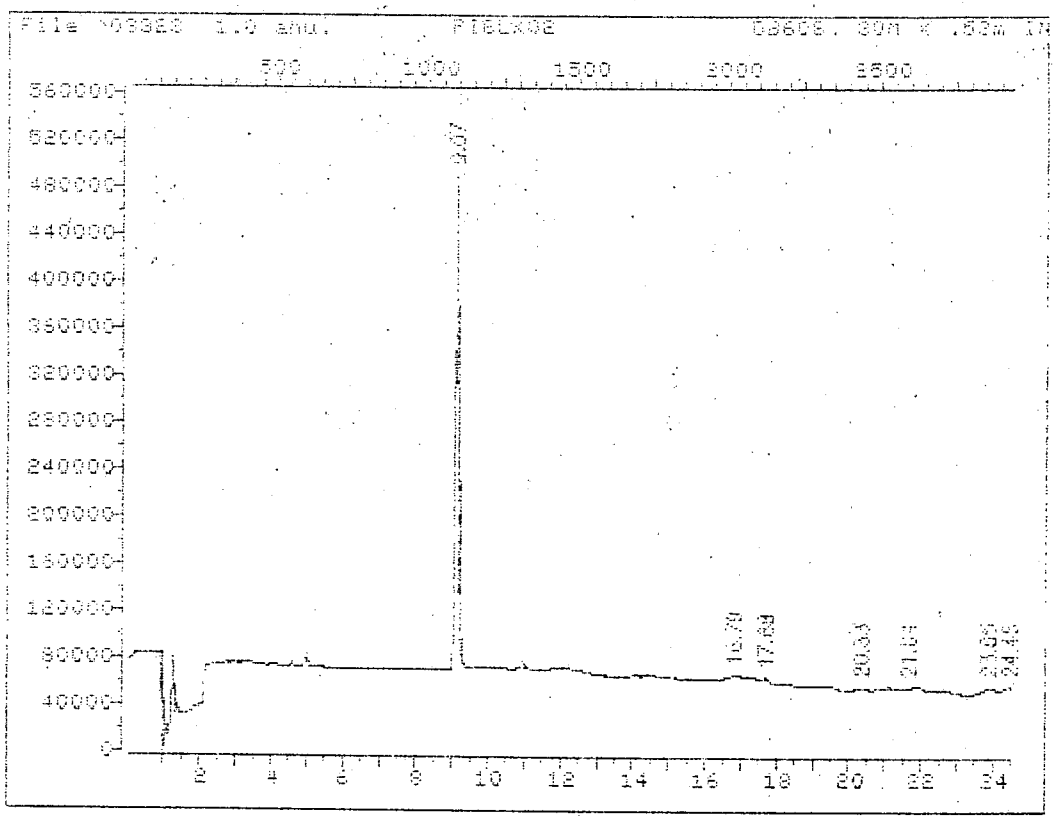
Operator ID: TRFI2 Quant Rev: 7.1 Quant Time: 960715 09:05
Input File: 03525.SC Integration: 960715 15:36
Data File: 03525.FS Dilution Factor: 1.00000
Name: IBLK12A Instrument ID: GC05
Misc: 28606. 30M X .53m INST 53903. 1.1 INJ

ID File: IDCAP5.SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Scal Time: 960715 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.07	1089	2425327	20.27	ng/ml	100
~~2) #Endosulfan I~~ OW <CRQL	21.64	2597	9542	.0899	ng/ml	100
~~[illegible]~~ OW 7/19/96	24.94	2993	16459	.138	ng/ml	100
~~14) [illegible] 508~~ OW	25.54	3064	52526	.527	ng/ml	100
~~16) #Endosulfan Sulfate~~ OW	28.39	3406	52557	.598	ng/ml	100
~~18) #Endrin Ketone~~ <CRQL	32.69	3923	7089	.0764	ng/ml	100
19) #Decachlorobiphenyl	41.67	5000	2342428	20.26	ng/ml	100
~~20) #Trans-Chlordane~~ OW	21.64	2597	9542	.0792	ng/ml	100
22) #~~Toxaphene(1)~~ NP	23.85	2862	217478	136.11	ng/ml	100
29) #~~Aroclor-1260(1)~~ NP	24.45	2934	39659	6.20	ng/ml	100
31) #~~Toxaphene(2)~~ NP	27.41	3289	6361	3.81	ng/ml	100
32) #~~Toxaphene(3)~~ NP	28.39	3406	52557	24.78	ng/ml	100
36) #~~Aroclor-1016(4)~~ NP	16.79	2015	50167	13.03	ng/ml	100
42) #~~Aroclor-1232(4)~~ NP	16.79	2015	50167	28.71	ng/ml	100
45) #~~Aroclor-1242(4)~~ NP	16.79	2015	50167	15.15	ng/ml	100
47) #~~Aroclor-1248(2)~~ NP	17.68	2122	31663	9.92	ng/ml	100
49) #~~Aroclor-1248(4)~~ NP	20.33	2440	19735	4.60	ng/ml	100
50) #~~Aroclor-1248(5)~~ NP	21.64	2597	9542	2.18	ng/ml	100
54) #~~Aroclor-1254(5)~~ NP	24.94	2993	16459	4.50	ng/ml	100
55) #~~Aroclor-1260(2)~~ NP	24.94	2993	16459	2.31	ng/ml	100
56) #~~Aroclor-1260(3)~~ NP	26.61	3193	139481	50.30	ng/ml	100

Compound uses ESTD

EPM
7/16/96



Data File: ^03323::F3 Quant Output File: ^03323::G8
Name: PIBLK02^ Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960714 16:26
Injected at: 960714 15:36

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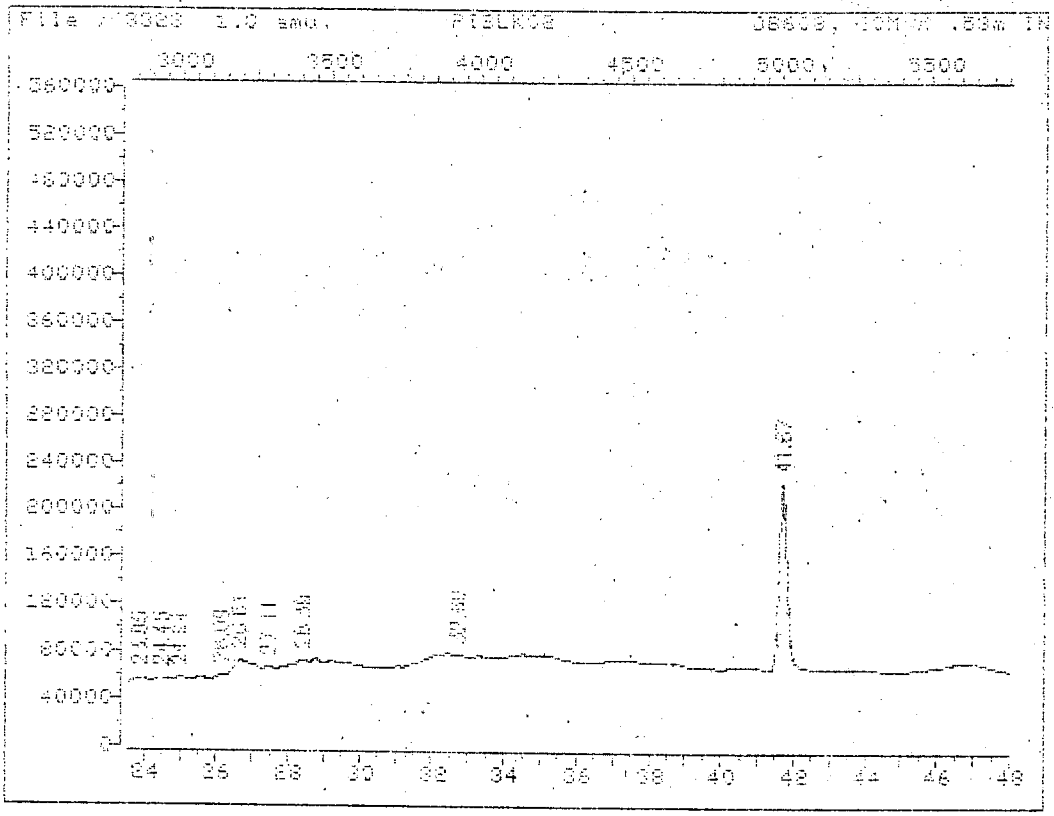

Data File: >03323::F3
Quant Output File: ^03323::Q0
Name: ^IBLK02A
Instrument ID: GC03
Misc: DB608. 30M X .53m INST 5890J. 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960714 16:26
Injected at: 960714 15:36

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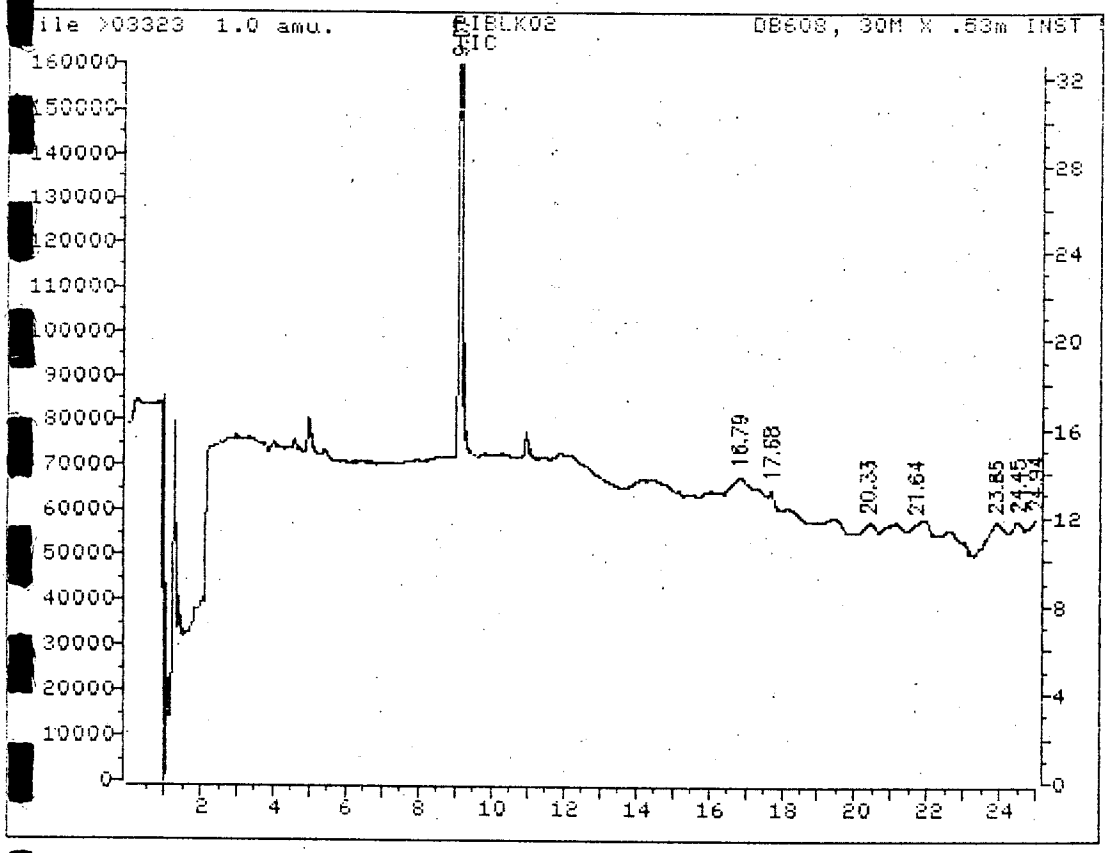
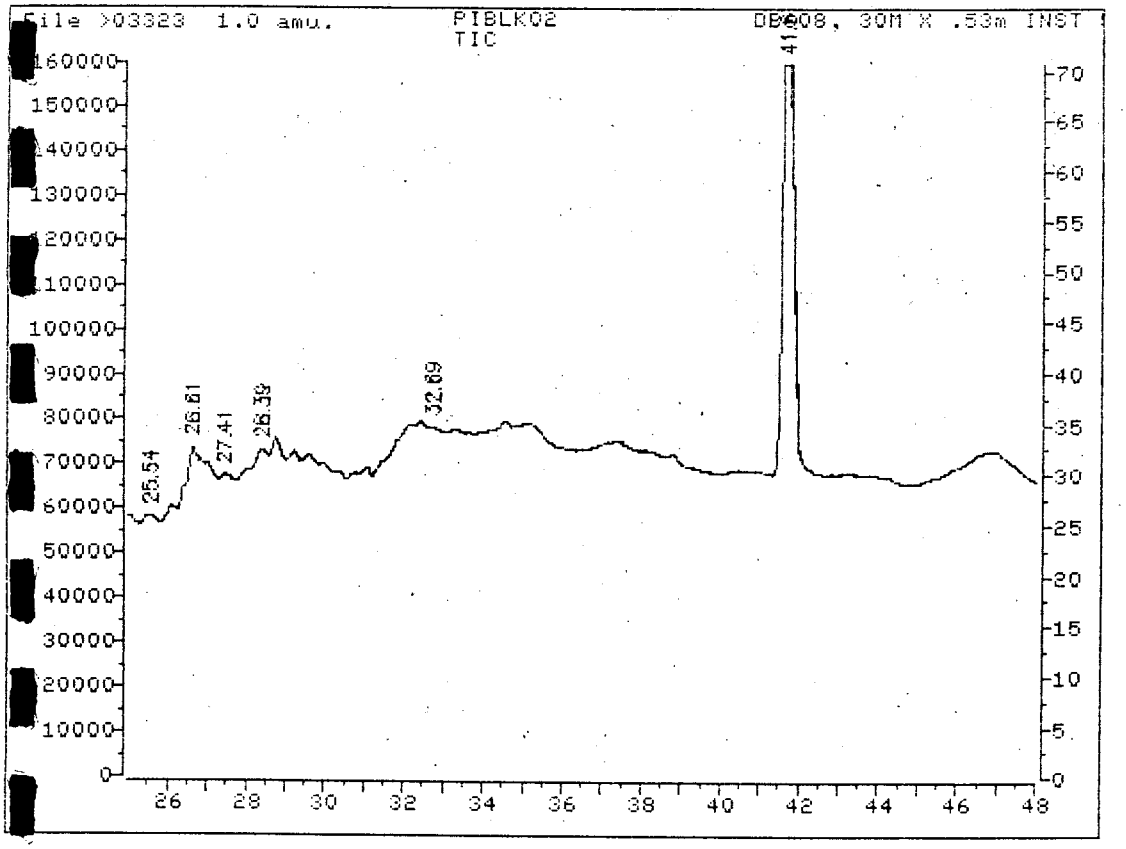


MS data file header from : >03323::F3

Sample: PIBLK02A Operator: TRFI2 7/14/96 15:36
Misc : DB608, 30M X .53m INST 58903, 1ul INJ
Rvs. #: 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 : >03323::F3

Sample: PIBLK02A Operator: TRFI2 7/14/96 15:36
Disc : DB608, 30M X .53m 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

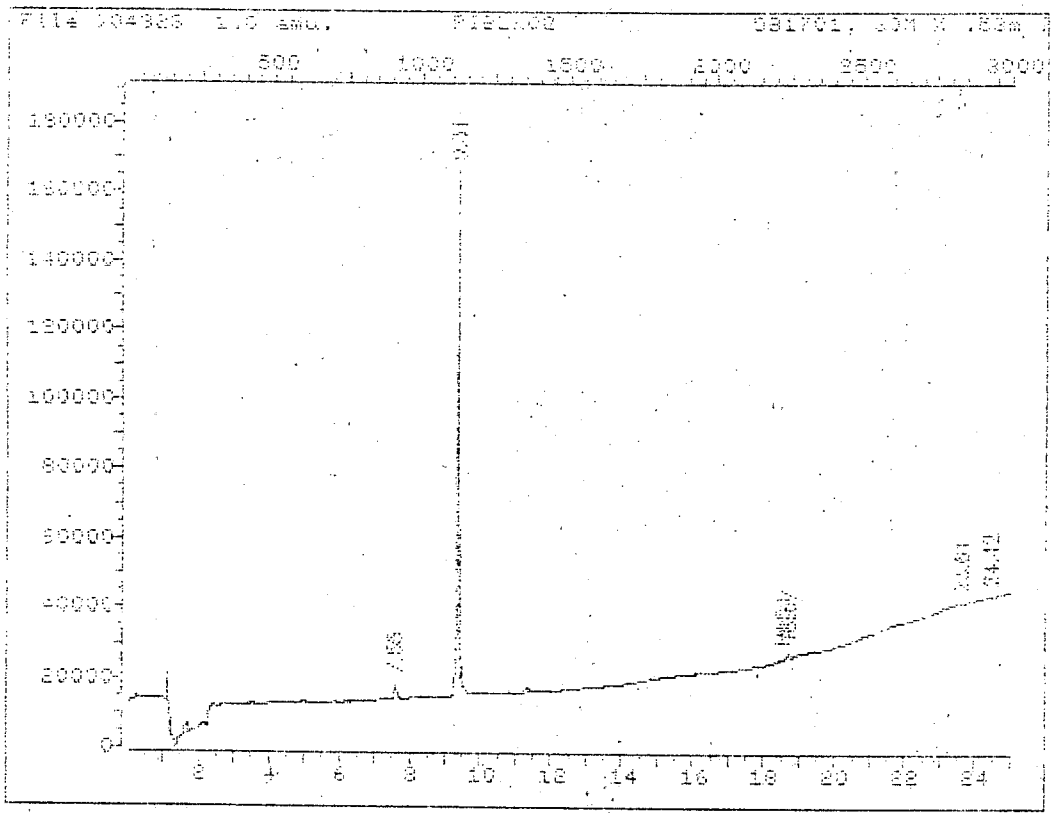
Operator ID: TRF12 Quant Rev: 7 Quant Time: 960715 09:31
Output File: A04323::GG Injected at: 960714 15:57
Data File: A04323::G1 Dilution Factor: 1.00000
Name: PIBLKCZA Instrument ID: GC04
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

	Compound	R.T	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.51	1117	826785	20.21	ng/ml	100
~~3)~~	~~#Beta-BHC~~ LCRQL	18.67	2240	8177	.326	ng/ml	100
~~12)~~	~~#Endrin~~ NC	24.42	2930	39564	1.36	ng/ml	100
~~13)~~	~~#Endosulfan II~~ OW	26.37	3188	10282	.300	ng/ml	100
~~15)~~	~~#Endosulfan Sulfate~~ OW	30.76	3691	13673	.498	ng/ml	100
~~17)~~	~~#Methoxychlor~~ OW	30.76	3691	7301	.545	ng/ml	100
~~18)~~	~~#Endrin ketone~~ LCRQL	32.93	3951	31432	.991	ng/ml	100
19)	#Decachlorobiphenyl	38.72	4646	908650	19.81	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	7.55	906	21014	27.49	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	7.55	906	21014	19.04	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	23.61	2833	29466	11.87	ng/ml	100
37)	#~~Aroclor-1016(5)~~ NP	18.51	2221	31682	16.21	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	18.51	2221	31682	13.09	ng/ml	100
54)	#~~Aroclor-1254(5)~~ NP	23.61	2833	27930	19.64	ng/ml	100

Compound uses ESTD

EPuce
7/16/96



Data File: >04323::G1 Quant Output File: ^04323::GQ
Name: PIBLK02A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960714 16:28
Injected at: 960714 15:37

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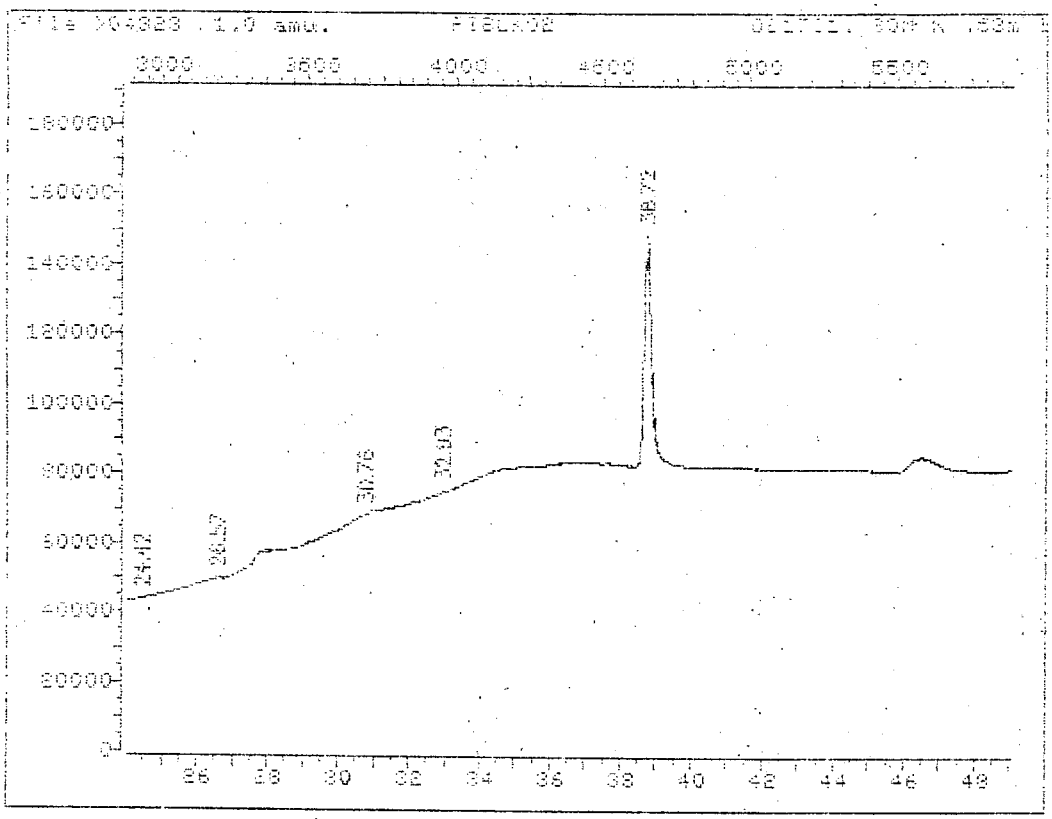
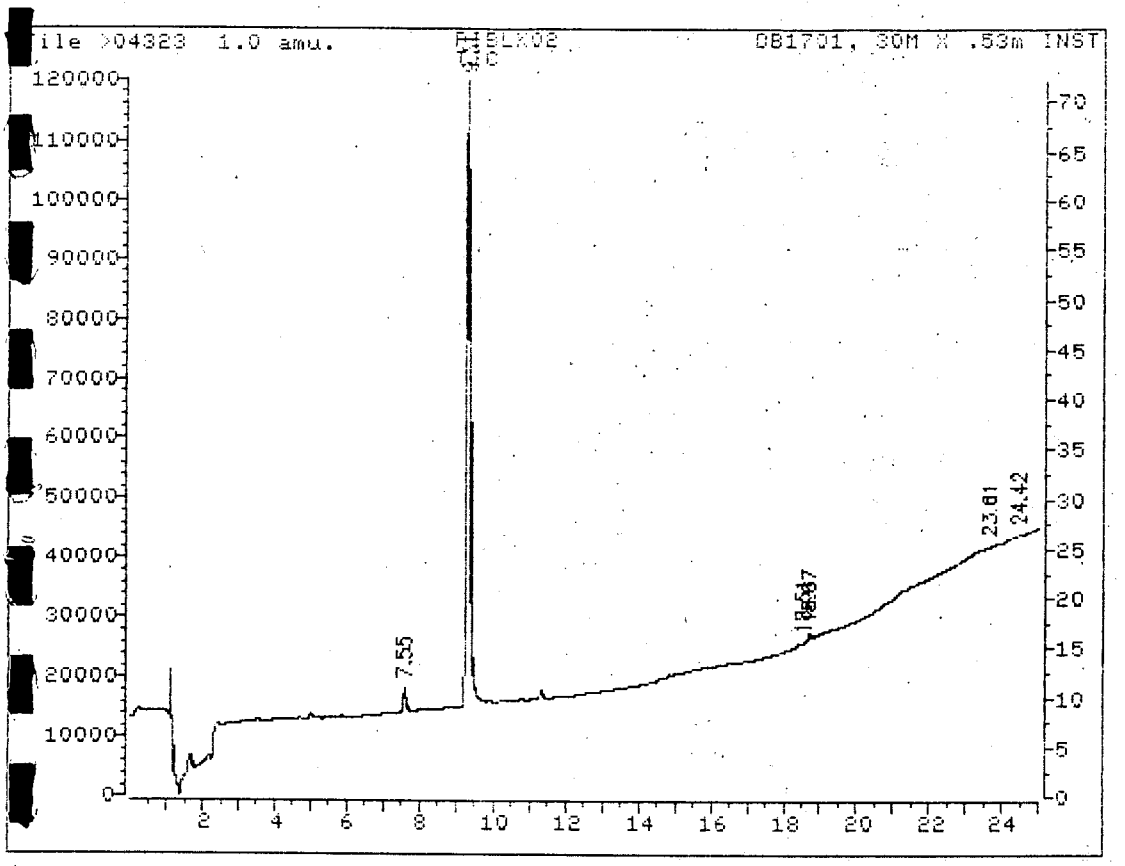


Data File: >04323::G1 Quant Output File: >04323::GQ
Name: PIBLK02A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFIZ
Quant Time : 960714 16:28
Injected at: 960714 15:37

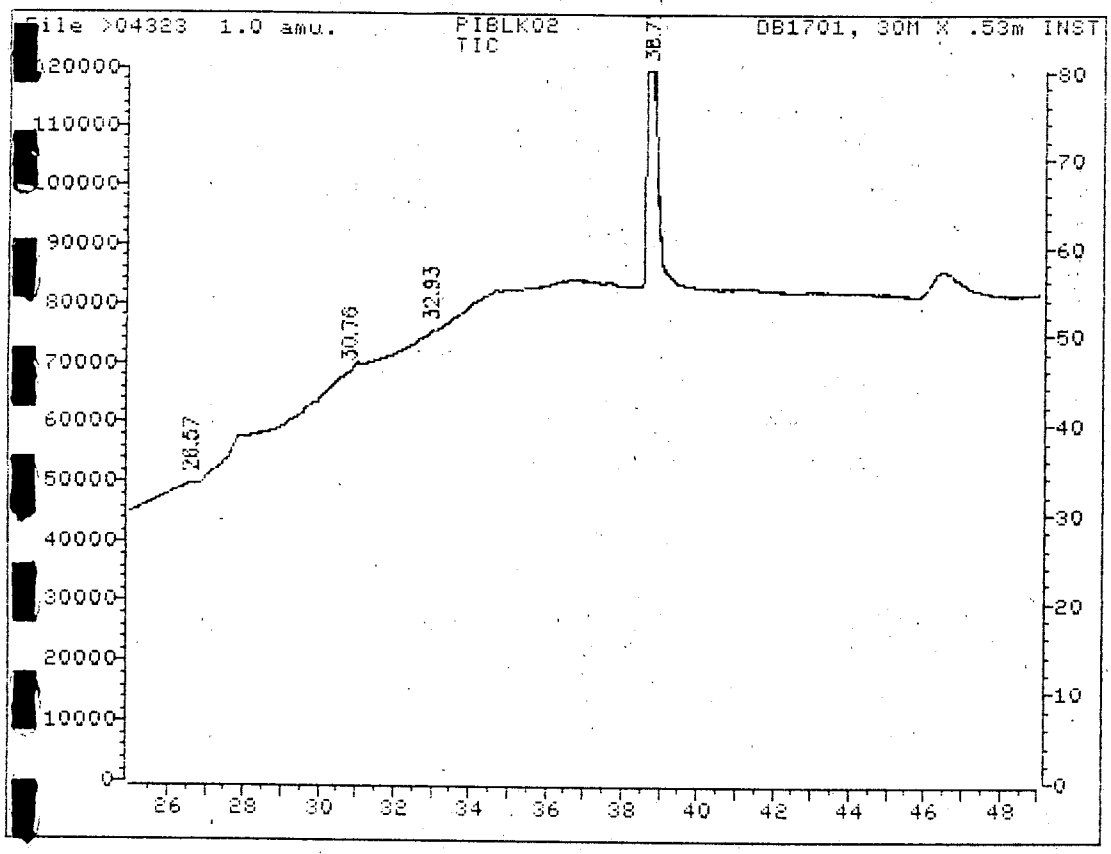
Page 2 of 2



MS data file header from : >04323::G1

Sample: PIBLK02A Operator: TRFI2 7/14/96 15:37
Misc : DB1701, 30M X .53m 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 : >04323::G1

Sample: PIBLK02A Operator: TRFI2 7/14/96 15:37
Disc : DB1701, 30M X .53m 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.

PIBLK03A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK03

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03335

% 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: 07/15/96

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 Page 1

Operator ID: TPFI2 Quant Rev: 7 Quant Time: 960715 09:15
Output File: 103355::GC Injection at: 960715 02:32
Data File: 103355::F5 Dilution Factor: 1.00000
Name: PIBLK03A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1088	2396746	20.04	ng/ml	100
~~12)~~	~~#Endrin~~ OW	24.93	2991	19851	.227	ng/ml	100
~~1[illegible])~~	~~#[illegible]~~ OW	26.07	3128	16511	.267	ng/ml	100
~~15)~~	~~#Endosulfan Sulfate~~ NC	28.34	3401	44259	.503	ng/ml	100
~~18)~~	~~#Endrin ketone~~ ECRQL	32.69	3923	3385	.0904	ng/ml	100
19)	#Decachlorobiphenyl	41.64	4997	2376838	20.56	ng/ml	100
29)	#~~Aroclor-1260(1)~~ UP	24.42	2930	22120	3.46	ng/ml	100
32)	#~~Toxaphene(3)~~ UP	28.34	3401	44259	20.87	ng/ml	100
36)	#~~Aroclor-1016(4)~~ UP	16.70	2004	25378	6.59	ng/ml	100
42)	#~~Aroclor-1232(4)~~ UP	16.70	2004	25378	14.52	ng/ml	100
45)	#~~Aroclor-1242(4)~~ UP	16.70	2004	18412	5.56	ng/ml	100
47)	#~~Aroclor-1248(2)~~ UP	17.68	2122	49377	15.46	ng/ml	100
49)	#~~Aroclor-1248(4)~~ UP	20.33	2439	10042	2.44	ng/ml	100
54)	#~~Aroclor-1254(5)~~ UP	24.93	2991	19851	5.43	ng/ml	100
55)	#~~Aroclor-1260(2)~~ UP	24.93	2991	19851	2.79	ng/ml	100
56)	#~~Aroclor-1260(3)~~ UP	26.60	3192	136189	29.58	ng/ml	100

Compound uses ESTD

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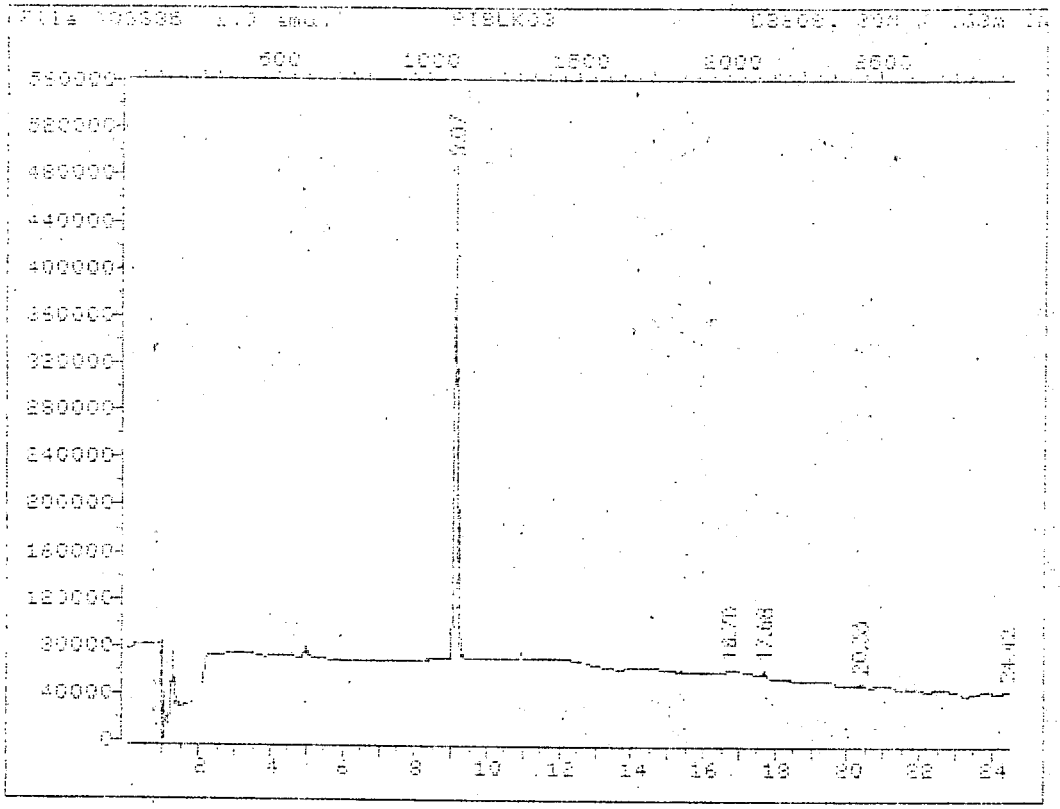
7/16/96



Data File: 103335::F3 Quant Output File: 103335::G0
Name: PIBLK03A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Cal Time: 961702 00:13

Operator ID: TRF12
Quant Time: 960715 03:22
Injected at: 960715 02:32

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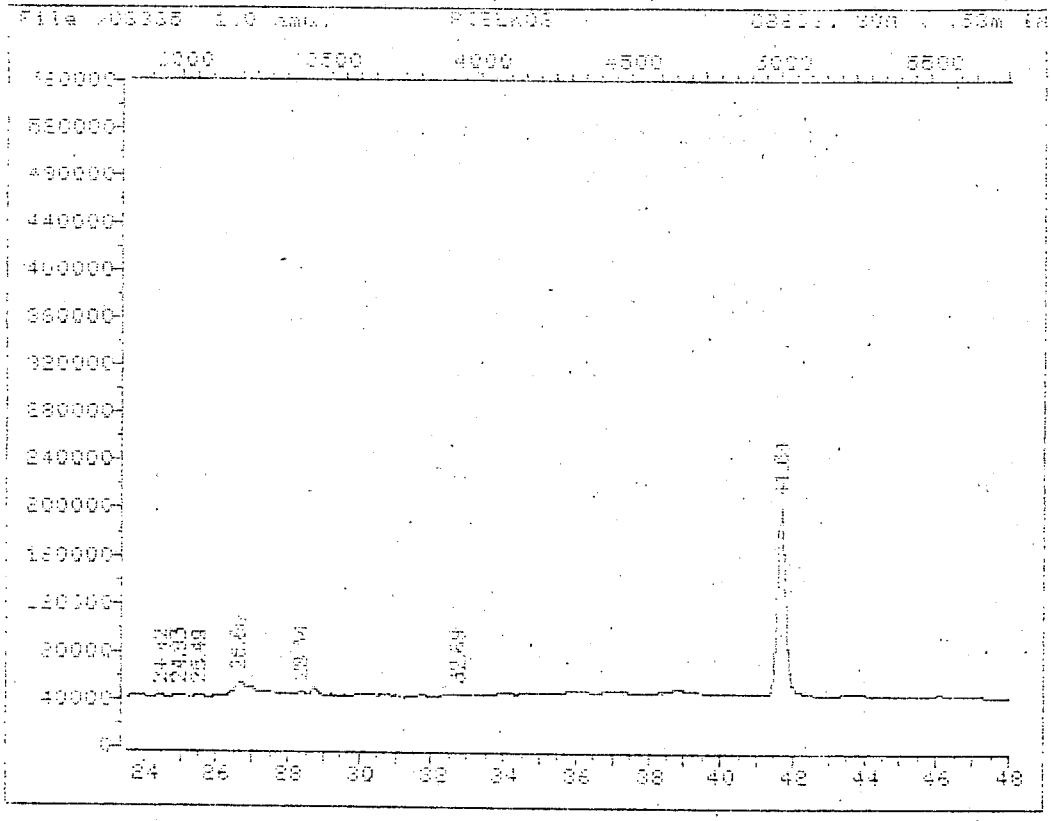
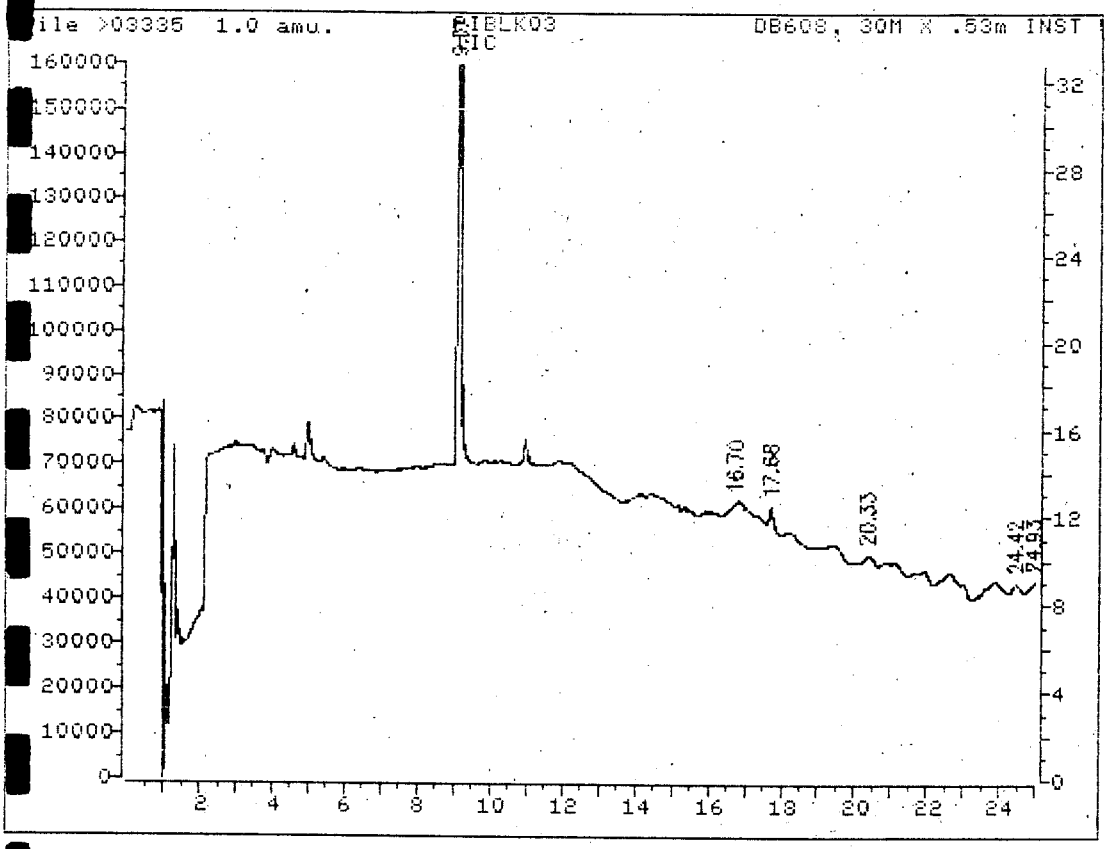


Data File: >03335::F3 Quant Output File: ^03335::CQ
Name: PIBLK03A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 03:22
Injected at: 960715 02:32

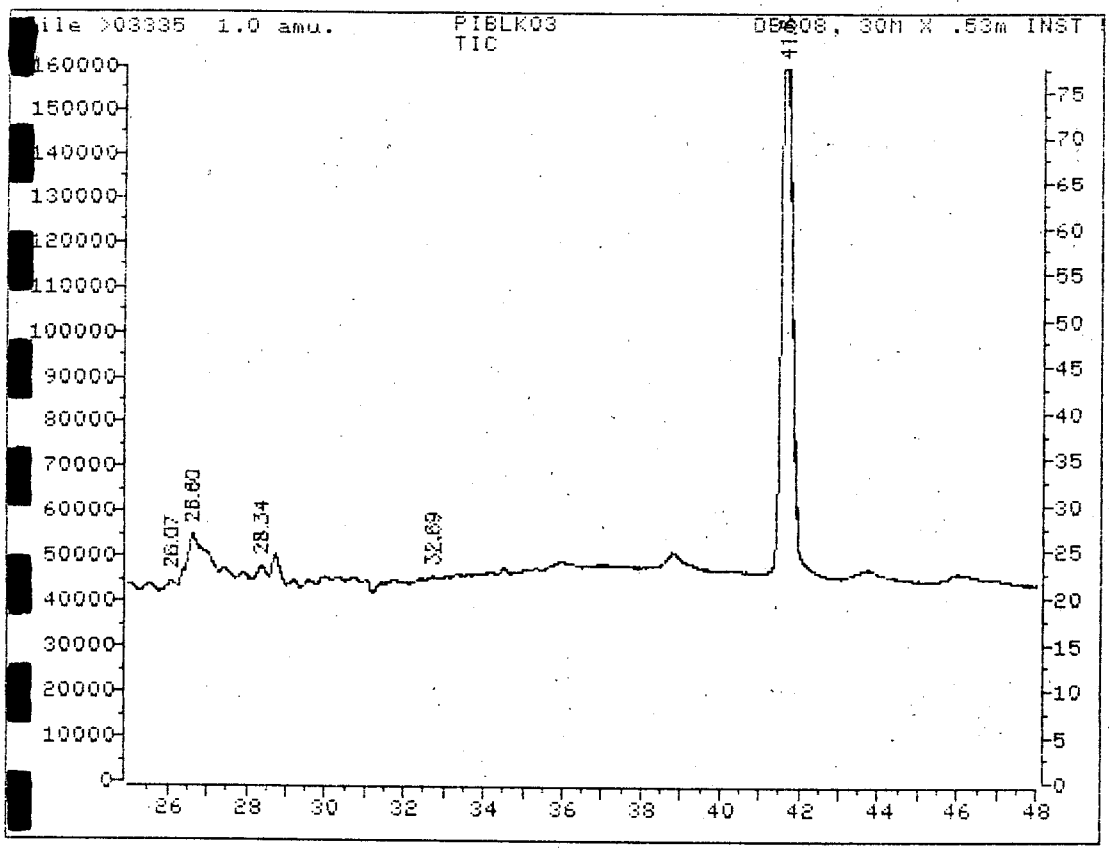
Page 1 of 2



MS data file header from : >03335::F3

Sample: PIBLK03A Operator: TRFI2 7/15/96 2:32
Misc : DB608, 30M X .53m 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 : >03335::F3

Sample: PIBLK03A Operator: TRFI2 7/15/96 2:32
Misc : DB608, 30M X .53m 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

Page 1

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:42
Output File: 04335::GC Injected at: 960715 02:32
Data File: 04335::G1 Dilution Factor: 1.00000
Name: PIBL..3A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1.0 ING

ID File: IDCAP6::SC
Title: CapilTary 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	831445	20.32	ng/ml	100
~~8)~~	~~#beta-BHC~~ LC RQL	18.67	2240	12407	.494	ng/ml	100
~~16)~~	~~#4,4'-DDT~~ OW	27.31	3277	44277	2.53	ng/ml	100
~~17)~~	~~#Meta-xychlor~~ OW	30.78	3717	85650	6.40	ng/ml	100
~~18)~~	~~#Endrin ketone~~ NC	32.99	3959	83877	2.64	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	948615	20.68	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	25.17	3020	19788	35.75	ng/ml	100
24)	~~#Aroclor 1221(1)~~ NP	7.54	905	24090	31.51	ng/ml	100
25)	~~#Aroclor 1232(1)~~ NP	7.54	905	24090	21.82	ng/ml	100
37)	~~#Aroclor 1016(3)~~ NP	18.67	2240	12407	6.35	ng/ml	100
48)	~~#Aroclor 1248(3)~~ NP	18.67	2240	12407	5.15	ng/ml	100

Compound uses ESTD

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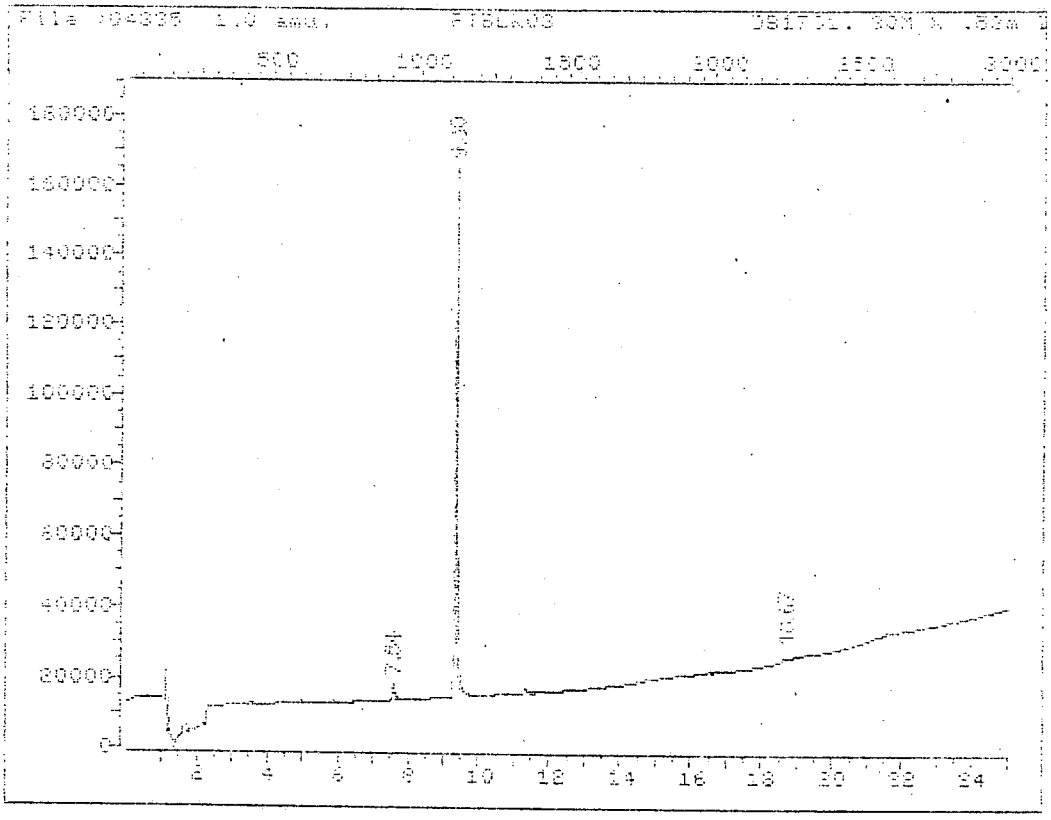
7/16/96

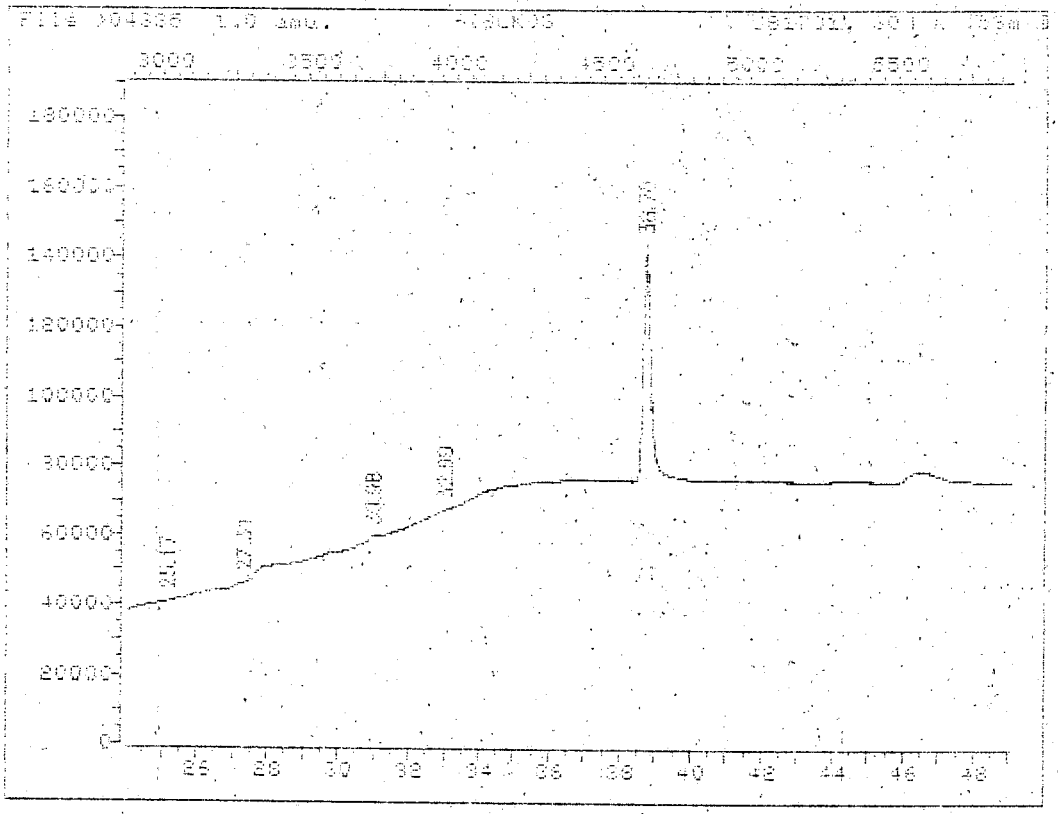


Data File: 04335::61 Quant Output File: 04335::GQ
Name: FIBLK03A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, Jul INC

Id File: IDCAP6::GC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last Cal Time: 950701 21:23

Operator ID: TRFI2
Quant Time: 960715 03:23
Injected at: 960715 02:32

Page 1 of 2

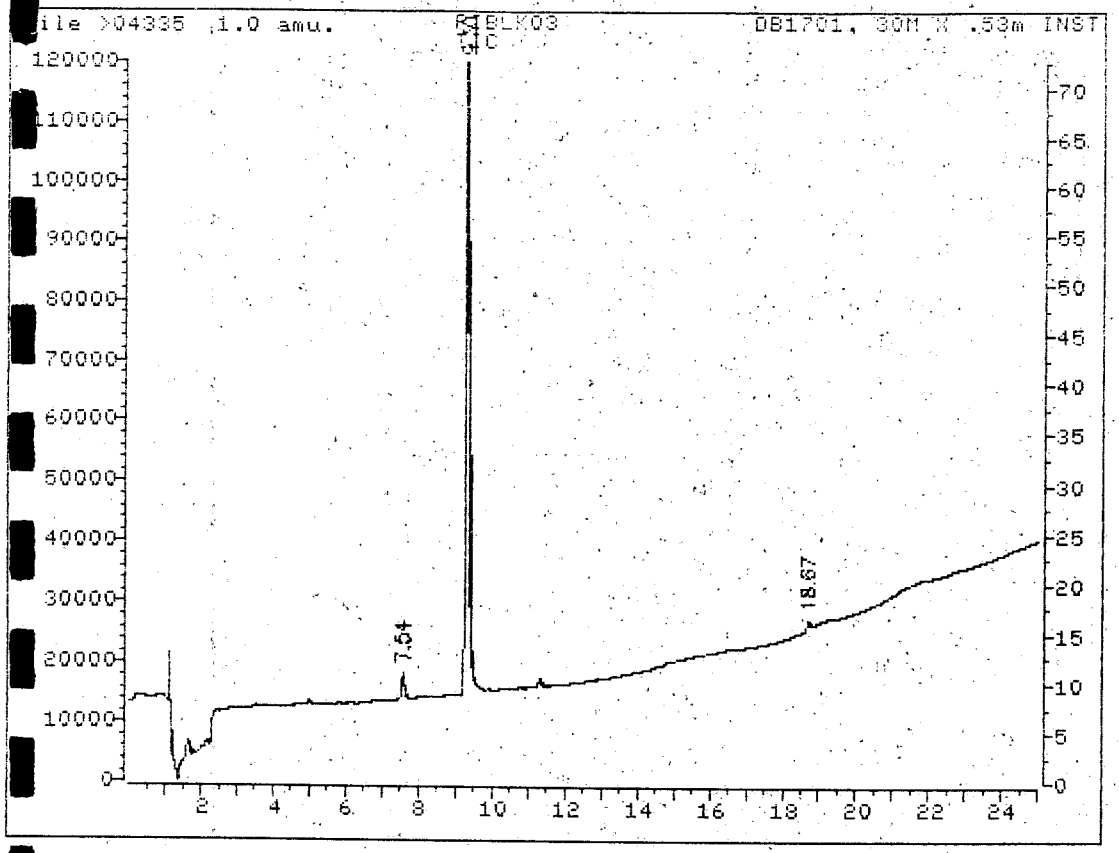


Data File: >04335::G1 Quant Output File: >04335::GQ
Name: PIBLK03A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TBFIZ
Quant Time : 960715 03:23
Injected at: 960715 02:32

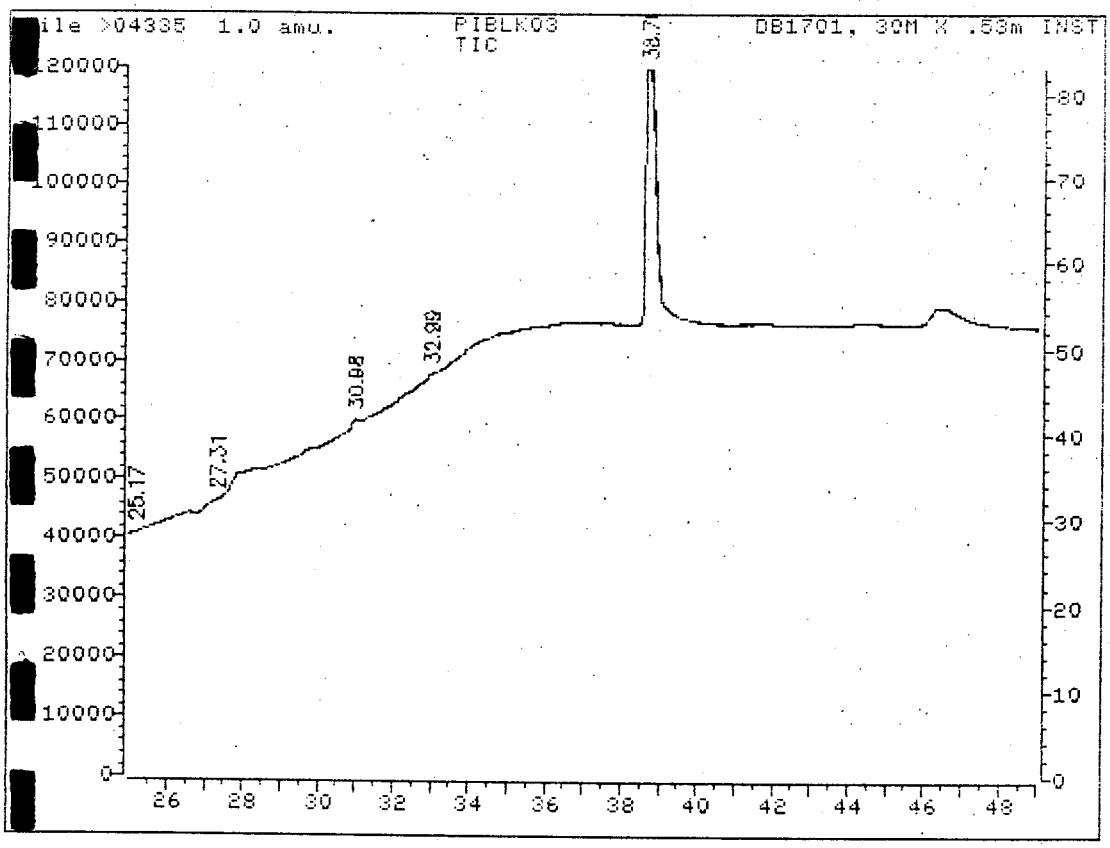
Page 2 of 2



MS data file header from : >04335::G1

Sample: PIBLK03A Operator: TRFI2 7/15/96 2:32
Misc : DB1701, 30M X .53m INST 58903, 1ul INJ
Ivs. #: 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 : >04335::G1

Sample: PIBLK03A Operator: TRFI2 7/15/96 2:32
Disc : DB1701, 30M X .53m 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.

PIBLK04A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03345

% 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: 07/15/96

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: ^03345::GQ
Data File: >03345::F3
Name: PIBLK04A
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

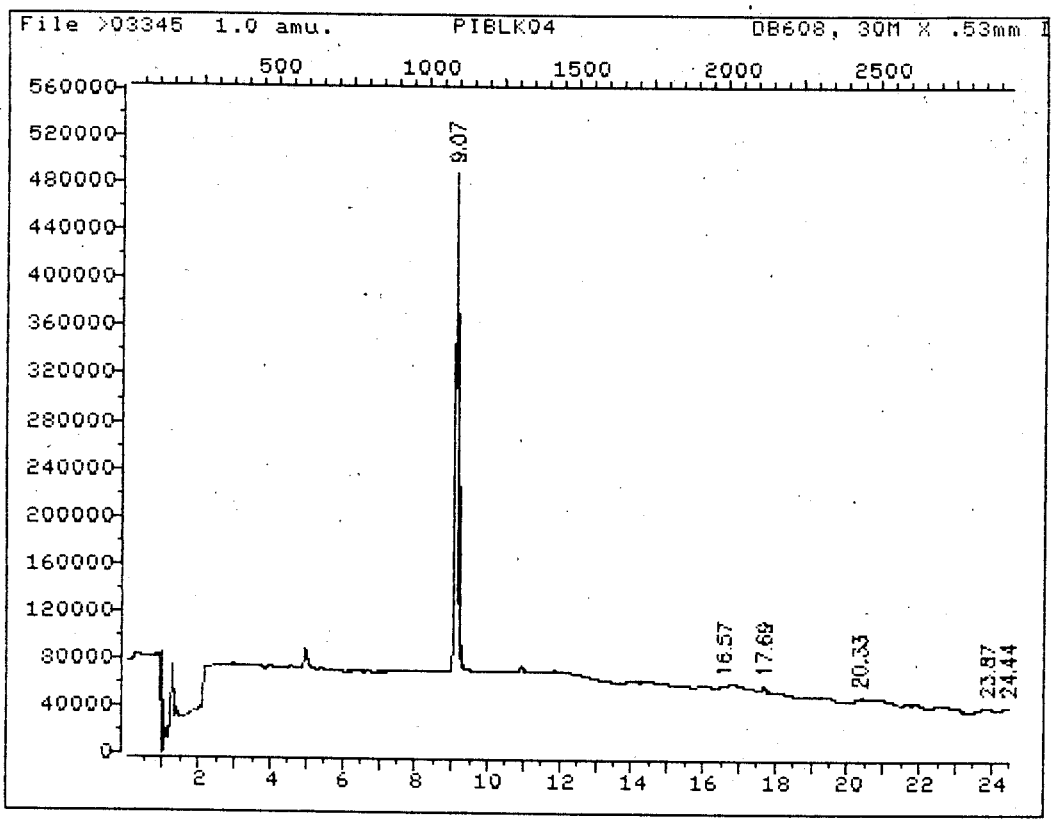
Quant Rev: 7
Quant Time: 960715 12:32
Injected at: 960715 11:41
Dilution Factor: 1.00000
Instrument ID: GC03

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	2398504	20.05	ng/ml	100
~~4) #delta-BHC~~ OW	16.57	1988	9730	.0757	ng/ml	100
~~12) #Endrin~~ OW	24.98	2997	34471	.394	ng/ml	100
~~14) #4,4'-DDD~~ NP	25.49	3058	35916	.582	ng/ml	100
~~15) #Endosulfan Sulfate~~ OW	28.34	3400	41405	.471	ng/ml	100
~~18) #Endrin ketone~~ OW	32.72	3926	13904	.150	ng/ml	100
19) #Decachlorobiphenyl	41.66	4999	2362330	20.43	ng/ml	100
~~22) #Toxaphene(1)~~ NP	23.87	2864	91282	57.13	ng/ml	100
~~29) #Aroclor-1260(1)~~ NP	24.44	2933	15199	2.37	ng/ml	100
~~32) #Toxaphene(3)~~ NP	28.34	3400	41405	19.52	ng/ml	100
~~47) #Aroclor-1248(2)~~ NP	17.69	2123	49279	15.43	ng/ml	100
~~49) #Aroclor-1248(4)~~ NP	20.33	2440	25889	6.30	ng/ml	100
~~54) #Aroclor-1254(5)~~ NP	24.98	2997	34471	9.43	ng/ml	100
~~55) #Aroclor-1260(2)~~ NP	24.98	2997	34471	4.84	ng/ml	100
~~56) #Aroclor-1260(3)~~ NP	26.62	3194	320366	69.59	ng/ml	100
~~58) #Aroclor-1260(5)~~ NP	32.72	3926	13904	2.82	ng/ml	100

Compound uses ESTD

7/21/96



Data File: >03345::F3 Quant Output File: ^03345::GQ
Name: PIBLK04A 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 : 960715 12:32
Injected at: 960715 11:41

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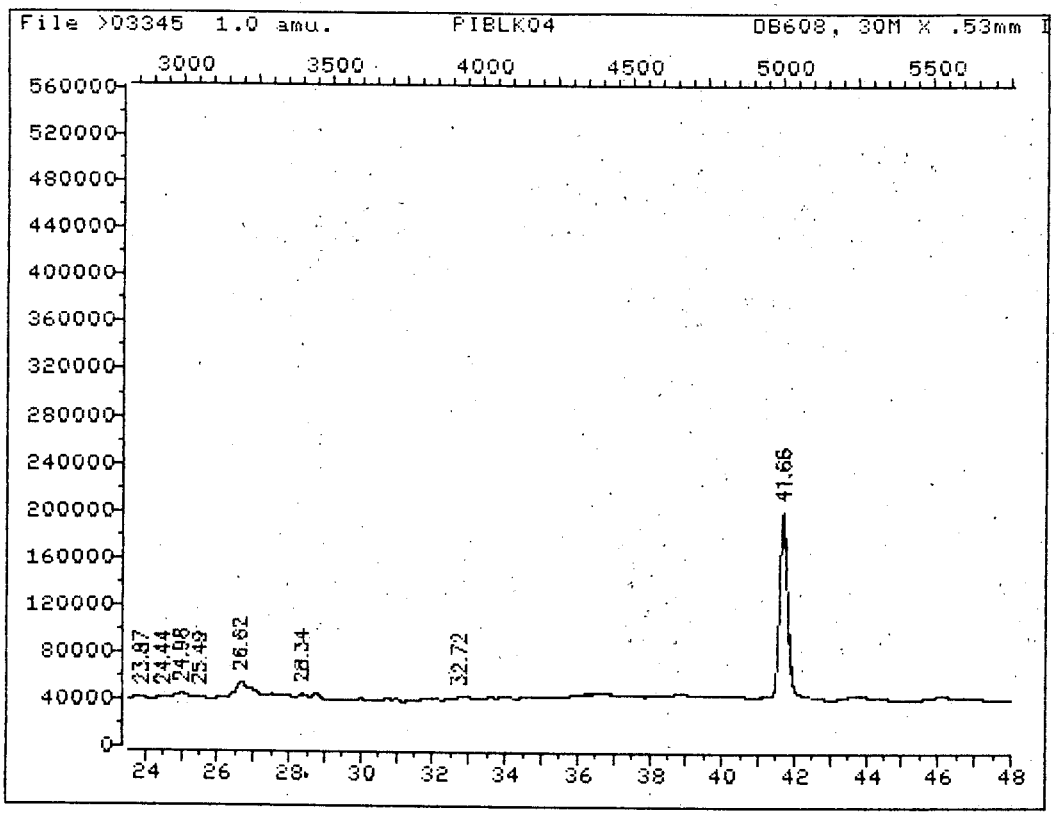

Data File: >03345::F3 Quant Output File: ^03345::GQ
Name: PIBLK04A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 : 960715 12:32
Injected at: 960715 11:41

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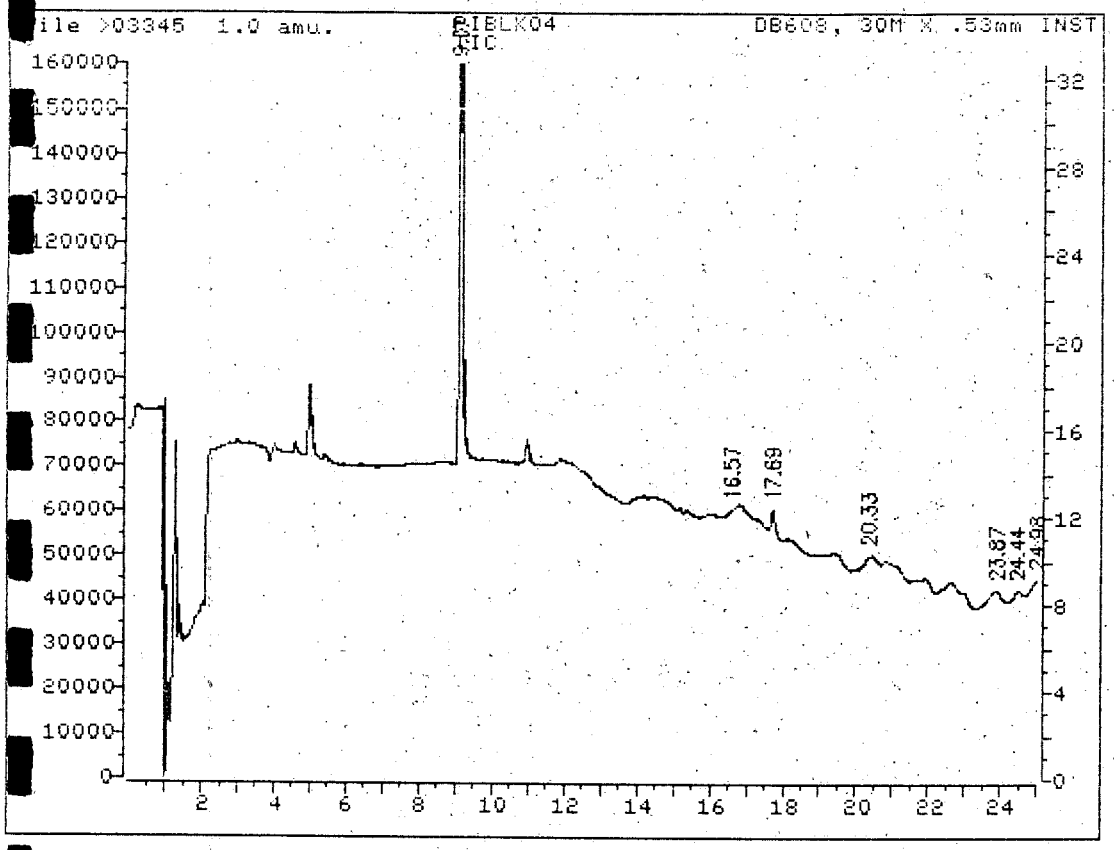
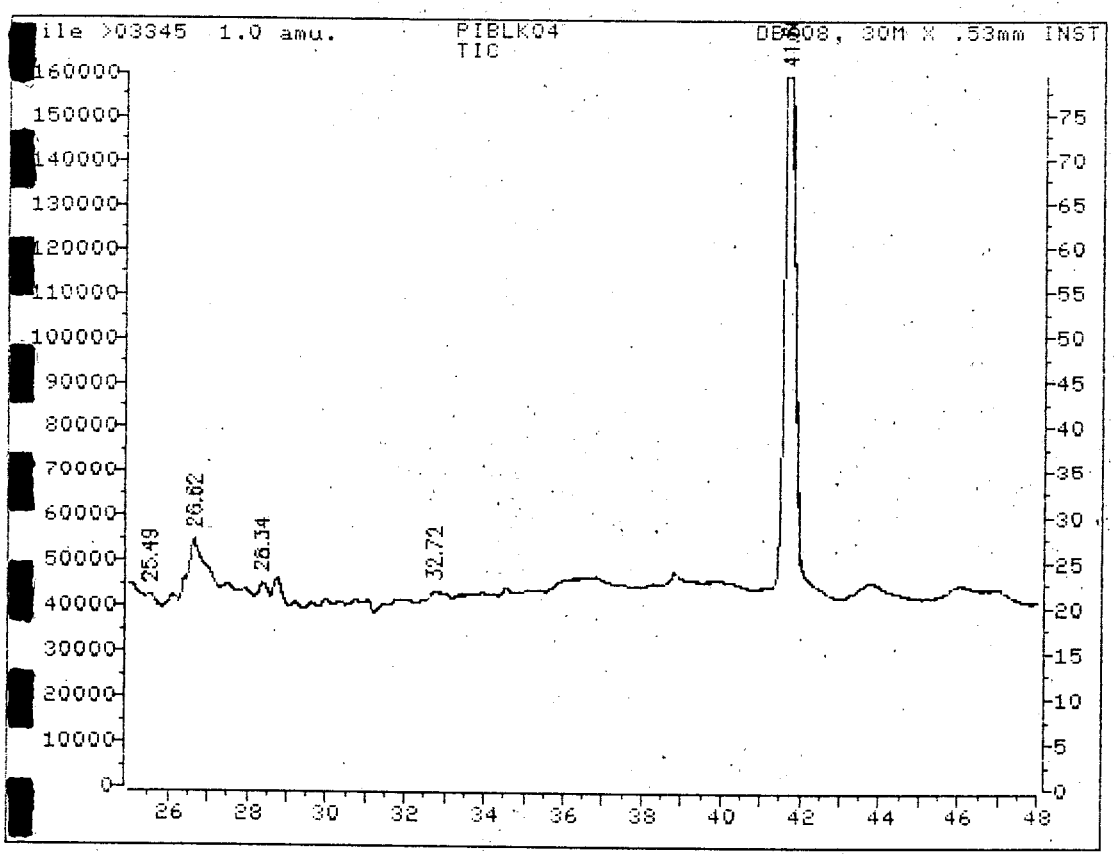


MS data file header from : >03345::F3

Sample: PIBLK04A Operator: TRFI2 7/15/96 11:41
Misc : DB608. 30M X .53mm INST 58903. 1ul INJ
Svs. #: 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 : >03345::F3

Sample: PIBLK04A Operator: TRFI2 7/15/96 11:41
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: ^04345::GQ
Data File: >04345::G1
Name: PIBLK04A
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

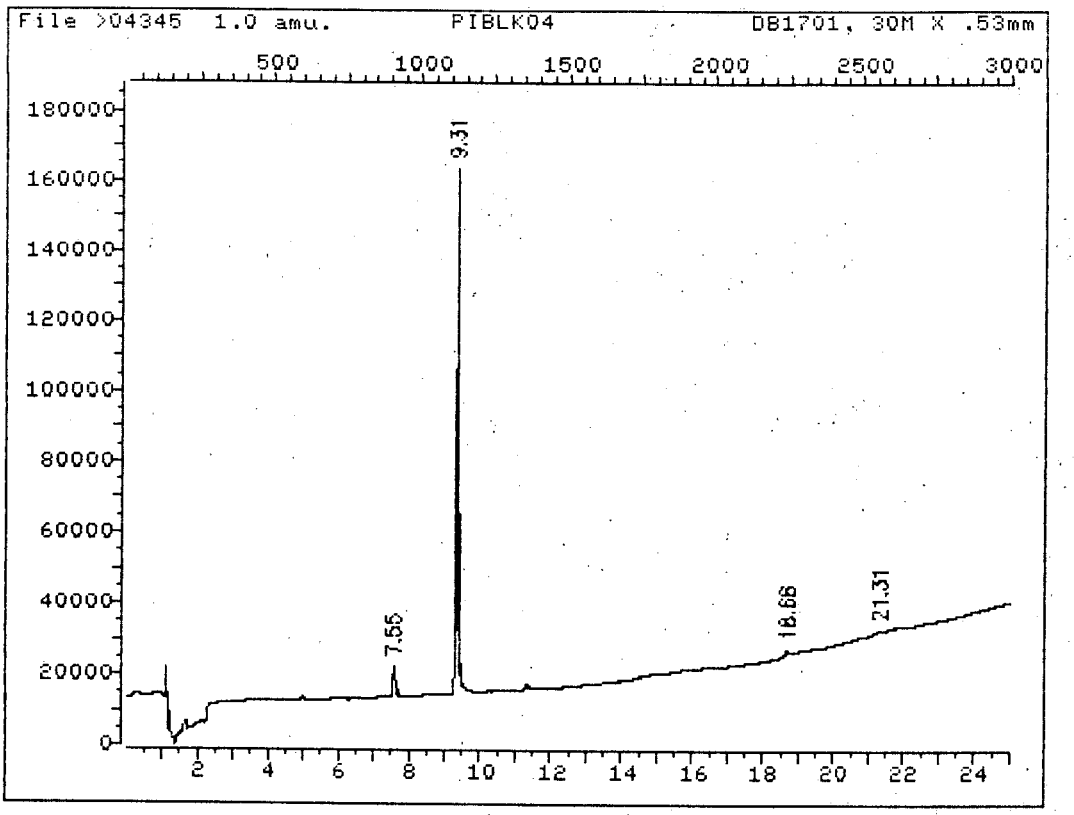
Quant Rev: 7
Quant Time: 960715 12:35
Injected at: 960715 11:41
Dilution Factor: 1.00000
Instrument ID: GC04

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	9.31	1117	820298	20.05	ng/ml	100
~~3) #beta BHC~~ uC	18.68	2241	12698	.506	ng/ml	100
~~17) #Methoxychlor~~ OW	30.99	3718	90880	6.79	ng/ml	100
~~18) #Endrin ketone~~ OW	32.96	3955	73953	2.33	ng/ml	100
~~19)~~ #Decachlorobiphenyl	38.73	4647	947447	20.66	ng/ml	100
~~24) #Aroclor-1221(1)~~ WP	7.55	906	46106	60.32	ng/ml	100
~~25) #Aroclor-1232(1)~~ WP	7.55	906	46106	41.77	ng/ml	100
~~33) #Toxaphene(4)~~ WP	31.74	3809	11858	22.88	ng/ml	100
~~37) #Aroclor-1016(5)~~ WP	18.68	2241	12698	6.50	ng/ml	100
~~48) #Aroclor-1248(3)~~ WP	18.68	2241	12698	5.25	ng/ml	100
~~52) #Aroclor-1254(3)~~ WP	21.31	2557	70495	38.36	ng/ml	100

Compound uses ESTD

JMo 7/21/96



Data File: >04345::G1 Quant Output File: ^04345::GQ
Name: PIBLK04A 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 : 960715 12:35
Injected at: 960715 11:41

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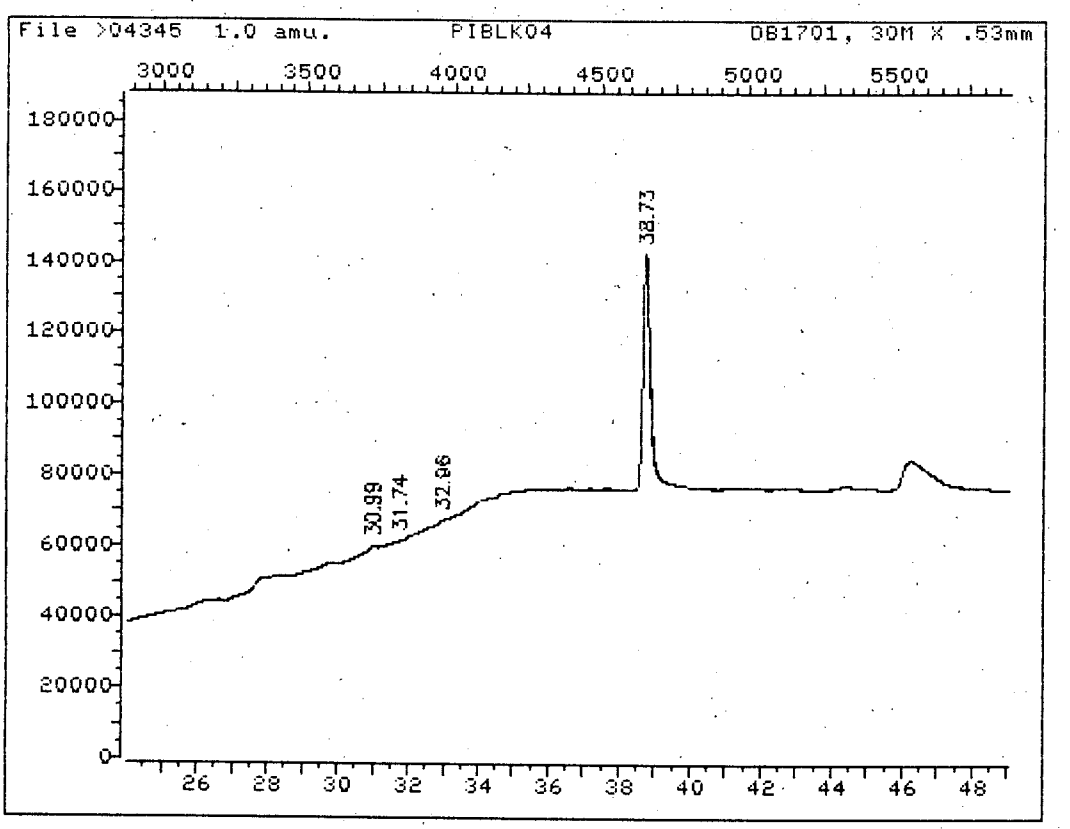
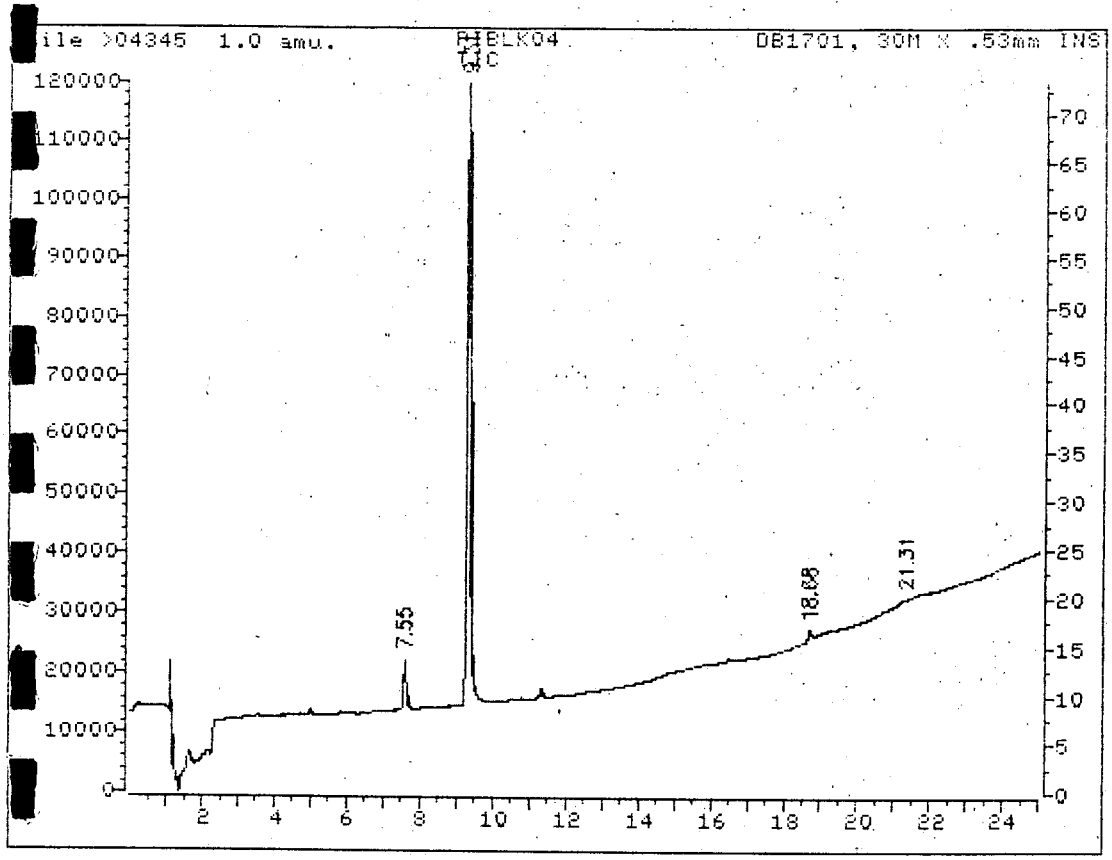


Data File: >04345::G1 Quant Output File: ^04345::GQ
Name: PIBLK04A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 12:35
Injected at: 960715 11:41

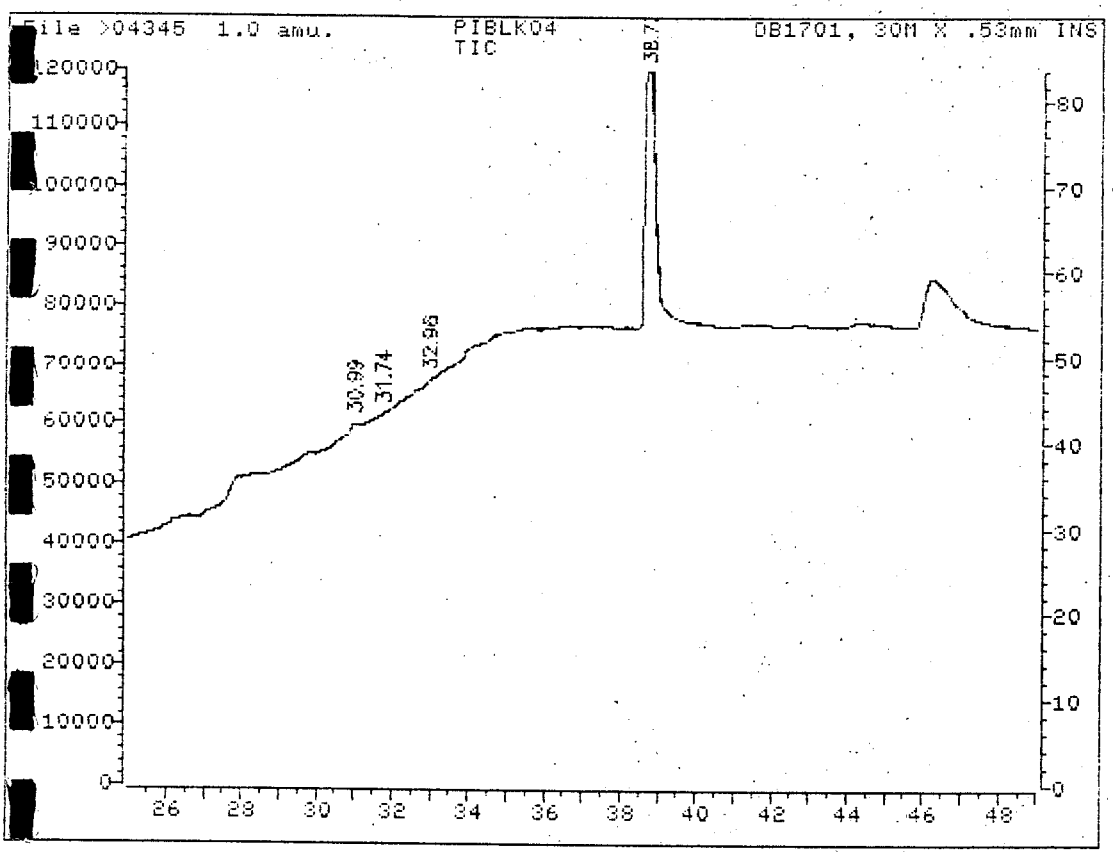
Page 2 of 2



MS data file header from : >04345::G1

Sample: PIBLK04A Operator: TRFI2 7/15/96 11:41
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 : >04345::G1

Sample: PIBLK04A Operator: TRFI2 7/15/96 11:41
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.

PIBLK05A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK05

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03346

% 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: 07/15/96

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

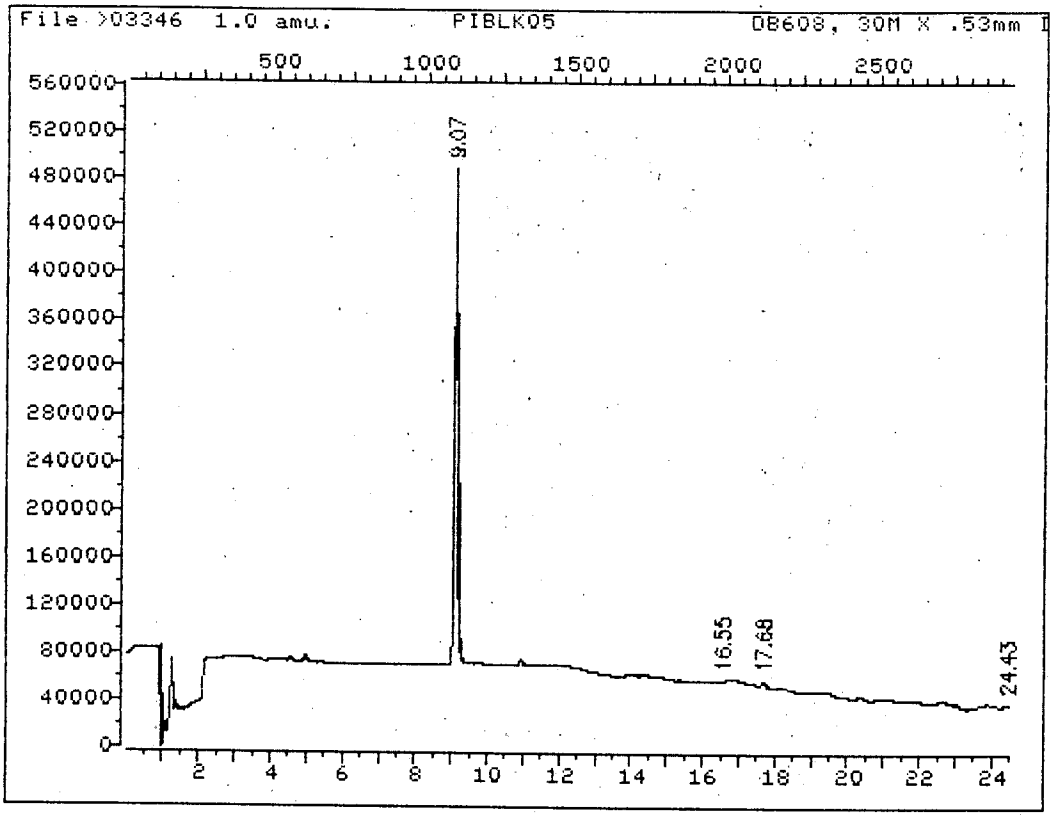
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 13:27
Output File: ^03346::GQ Injected at: 960715 12:36
Data File: >03346::F3 Dilution Factor: 1.00000
Name: PIBLK05A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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	2419901	20.23	ng/ml	100
~~4) #delta-BHC~~ OW	16.55	1986	7634	.0594	ng/ml	100
~~12) #Endrin~~ OW	24.97	2996	19556	.224	ng/ml	100
~~14) #4,4'-DDD~~ OW	25.51	3061	35627	.577	ng/ml	100
~~15) #Endosulfan Sulfate~~ NC	28.35	3402	22905	.260	ng/ml	100
~~18) #Endrin ketone~~ NC	32.70	3924	5135	.0554	ng/ml	100
19) #Decachlorobiphenyl	41.67	5000	2416336	20.90	ng/ml	100
~~29) #Aroclor-1260(1)~~ NP	24.43	2931	26253	4.10	ng/ml	100
~~32) #Toxaphene(3)~~ NP	28.35	3402	22905	10.80	ng/ml	100
~~33) #Toxaphene(4)~~ NP	30.32	3638	5364	2.75	ng/ml	100
~~47) #Aroclor-1248(2)~~ NP	17.68	2122	48047	15.05	ng/ml	100
~~54) #Aroclor-1254(5)~~ NP	24.97	2996	19556	5.35	ng/ml	100
~~55) #Aroclor-1260(2)~~ NP	24.97	2996	19556	2.75	ng/ml	100
~~56) #Aroclor-1260(3)~~ NP	26.61	3193	60056	13.05	ng/ml	100
~~57) #Aroclor-1260(4)~~ NP	30.32	3638	5548	.507	ng/ml	100

Compound uses ESTD

JMO 7/21/96



Data File: >03346::F3 Quant Output File: ^03346::GQ
Name: PIBLK05A 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 : 960715 13:27
Injected at: 960715 12:36

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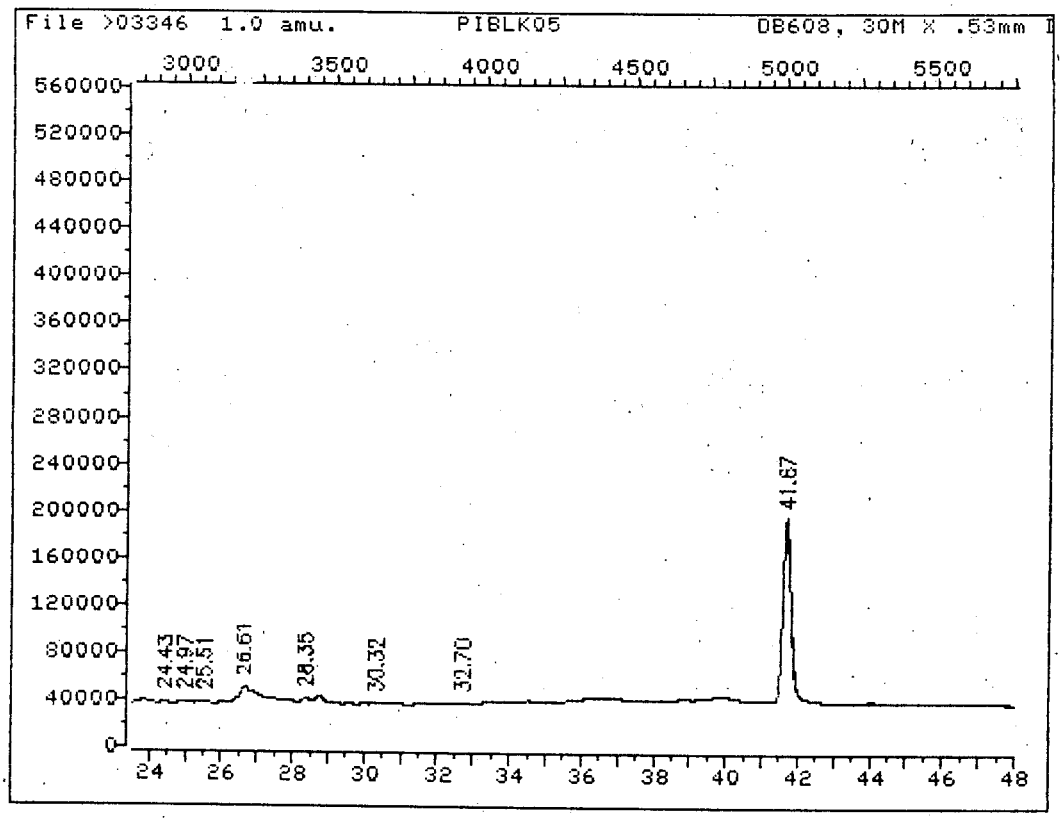

Data File: >03346::F3 Quant Output File: ^03346::GQ
Name: PIBLK05A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 : 960715 13:27
Injected at: 960715 12:36

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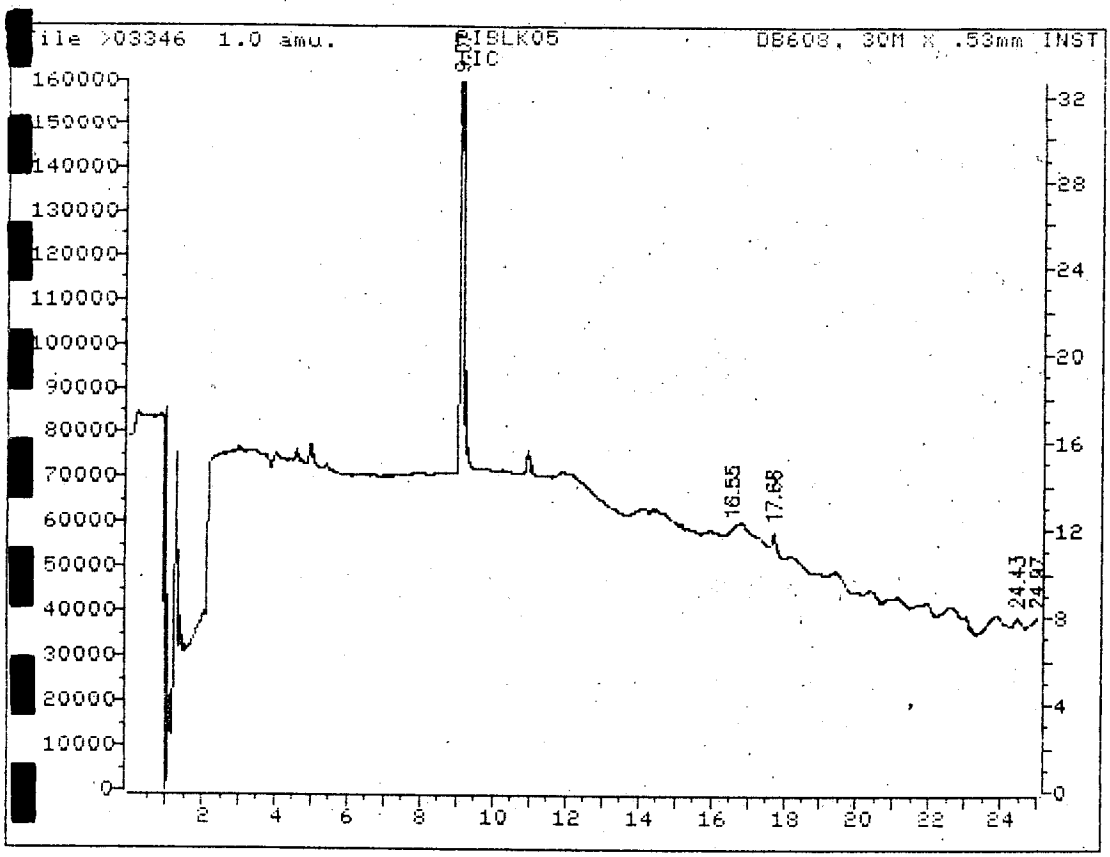
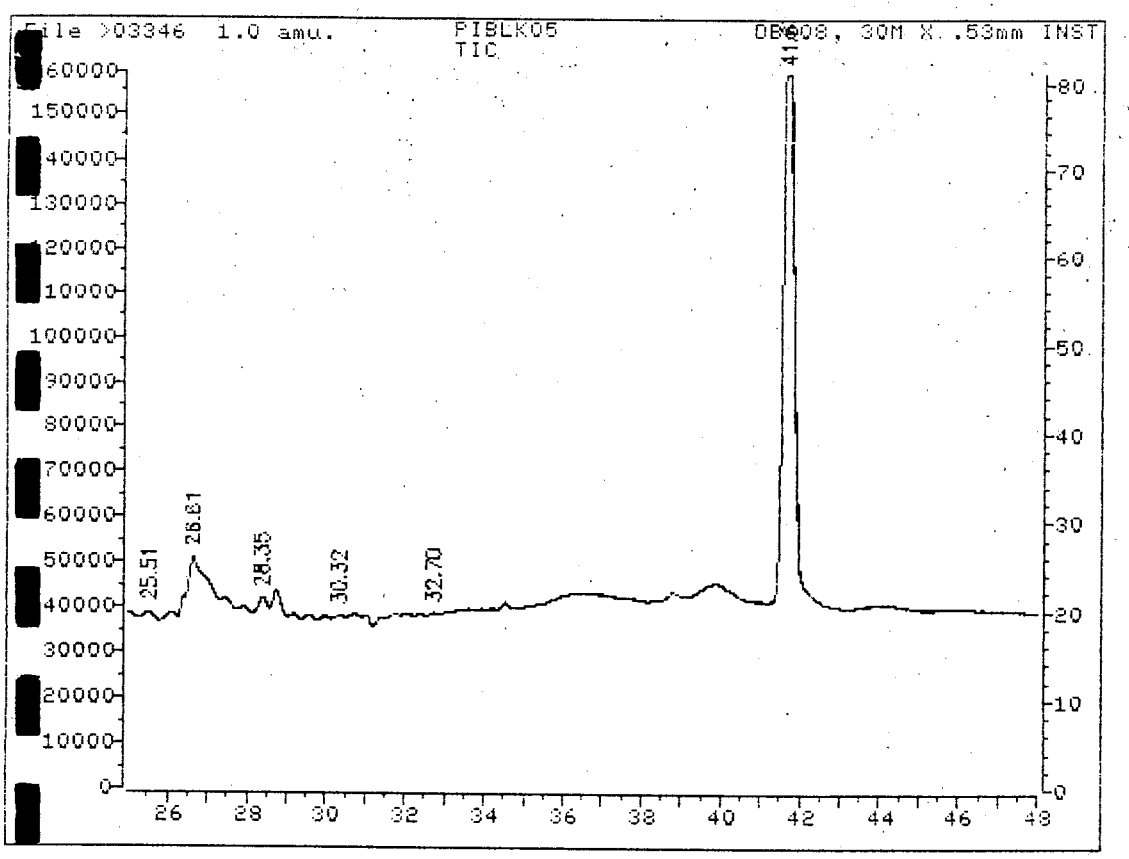


MS data file header from : >03346::F3

Sample: PIBLK05A Operator: TRFI2 7/15/96 12:36
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 : >03346::F3

Sample: PIBLK05A Operator: TRFI2 7/15/96 12:36
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
Output File: ^04346::GQ
Data File: >04346::G1
Name: PIBLK05A
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

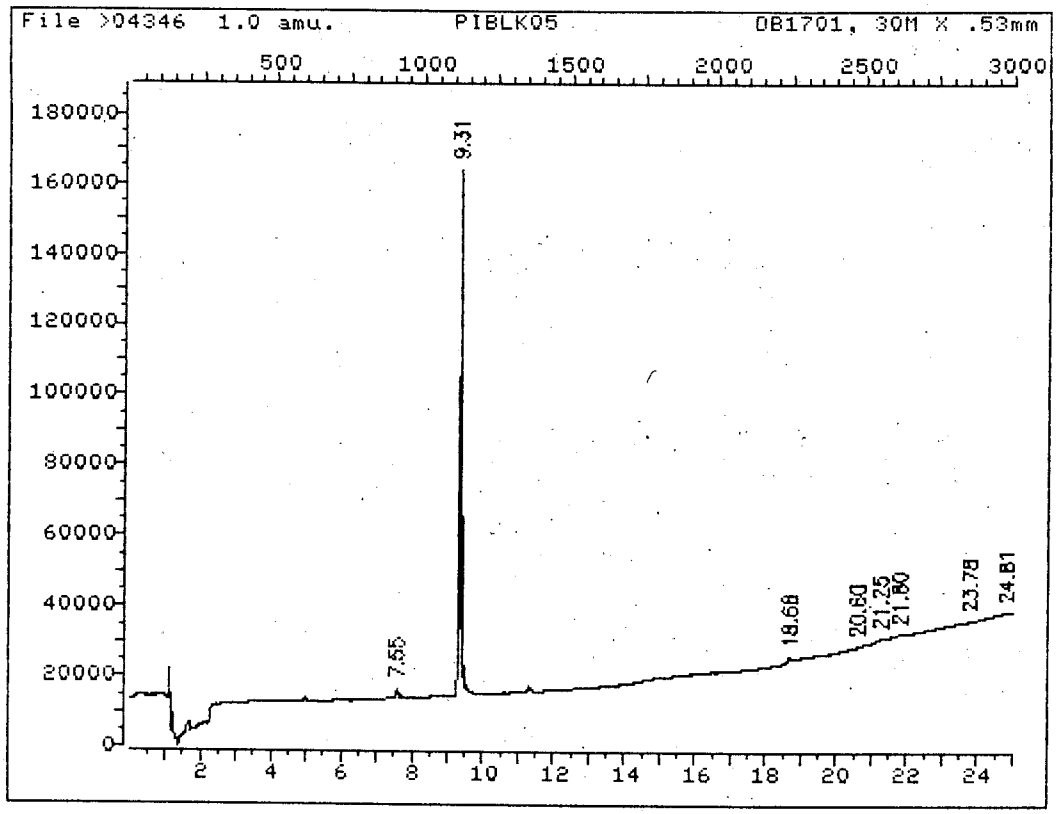
Quant Rev: 7
Quant Time: 960715 13:48
Injected at: 960715 12:36
Dilution Factor: 1.00000
Instrument ID: GC04

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	9.31	1117	822621	20.11	ng/ml	100
~~3) #beta-BHC~~ NC	18.68	2241	11375	.453	ng/ml	100
~~8) #Heptachlor epoxide~~ NC	20.60	2472	27057	.626	ng/ml	100
19) #Decachlorobiphenyl	38.73	4647	947662	20.66	ng/ml	100
~~21) #gamma-Chlordane~~ ON	21.80	2616	7181	.179	ng/ml	100
~~24) #Aroclor-1221(1)~~ ND	7.55	906	13846	18.11	ng/ml	100
~~25) #Aroclor-1232(1)~~ ND	7.55	906	13846	12.54	ng/ml	100
~~29) #Aroclor-1260(1)~~ ND	23.78	2854	20520	8.27	ng/ml	100
~~33) #Toxaphene(4)~~ ND	31.85	3822	47722	92.08	ng/ml	100
~~37) #Aroclor-1016(5)~~ ND	18.68	2241	11375	5.82	ng/ml	100
~~48) #Aroclor-1248(3)~~ ND	18.68	2241	11375	4.70	ng/ml	100
~~52) #Aroclor-1254(3)~~ ND	21.25	2550	41912	22.81	ng/ml	100
~~54) #Aroclor-1254(5)~~ ND	23.78	2854	20520	14.43	ng/ml	100
~~55) #Aroclor-1260(2)~~ ND	24.81	2977	14919	5.23	ng/ml	100
~~58) #Aroclor-1260(5)~~ ND	31.85	3822	29630	10.75	ng/ml	100

Compound uses ESTD

7/21/96



Data File: >04346::G1 Quant Output File: ^04346::GQ
Name: PIBLK05A 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 : 960715 13:48
Injected at: 960715 12:36

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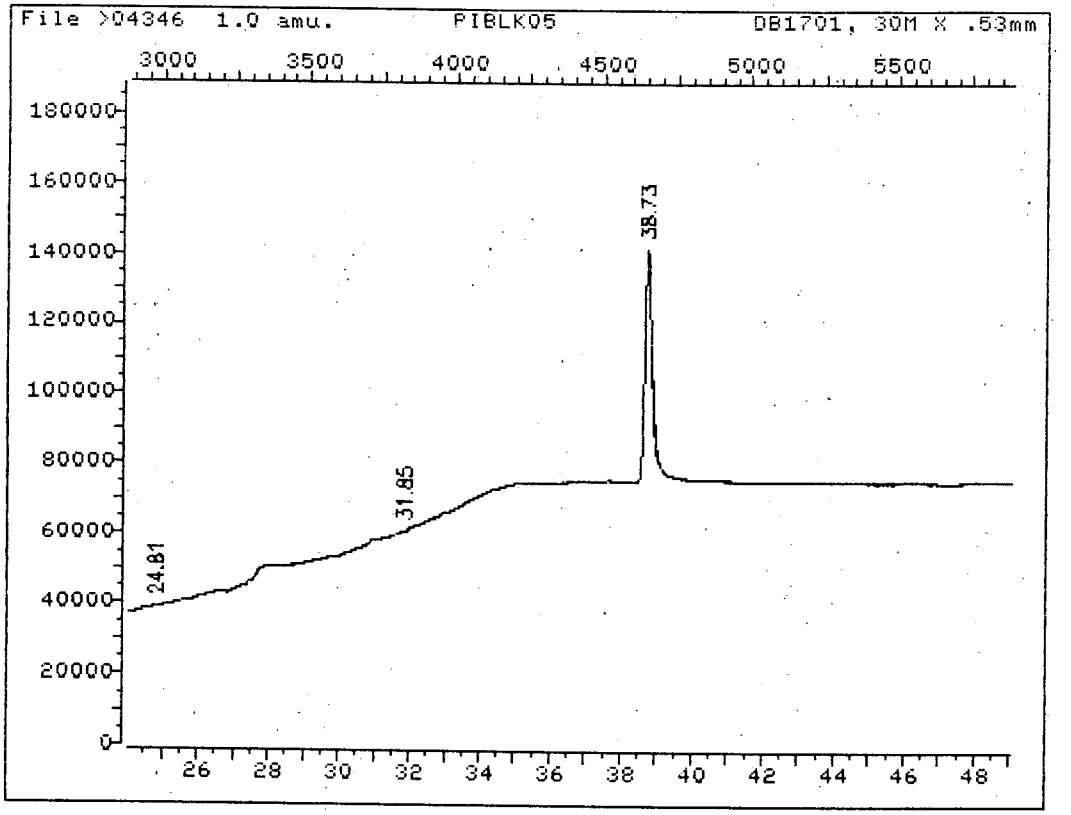

Data File: >04346::G1 Quant Output File: ^04346::GQ
Name: PIBLK05A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 13:48
Injected at: 960715 12:36

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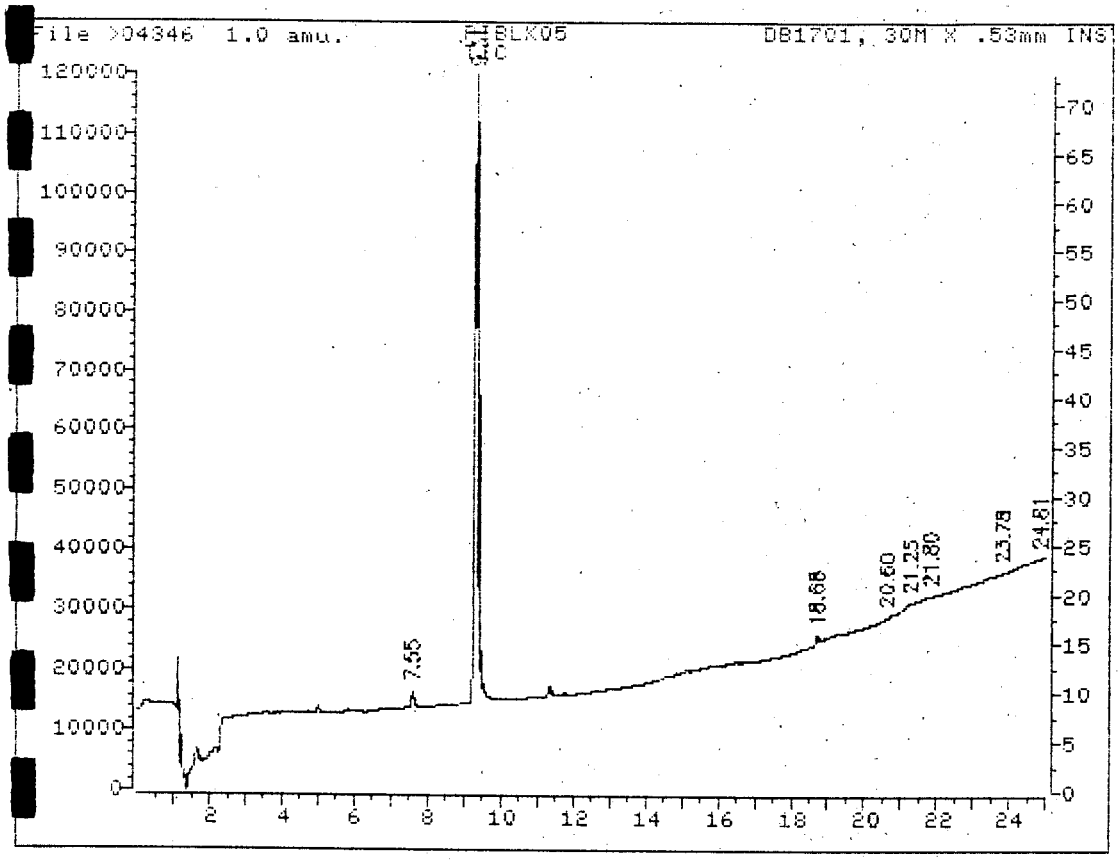
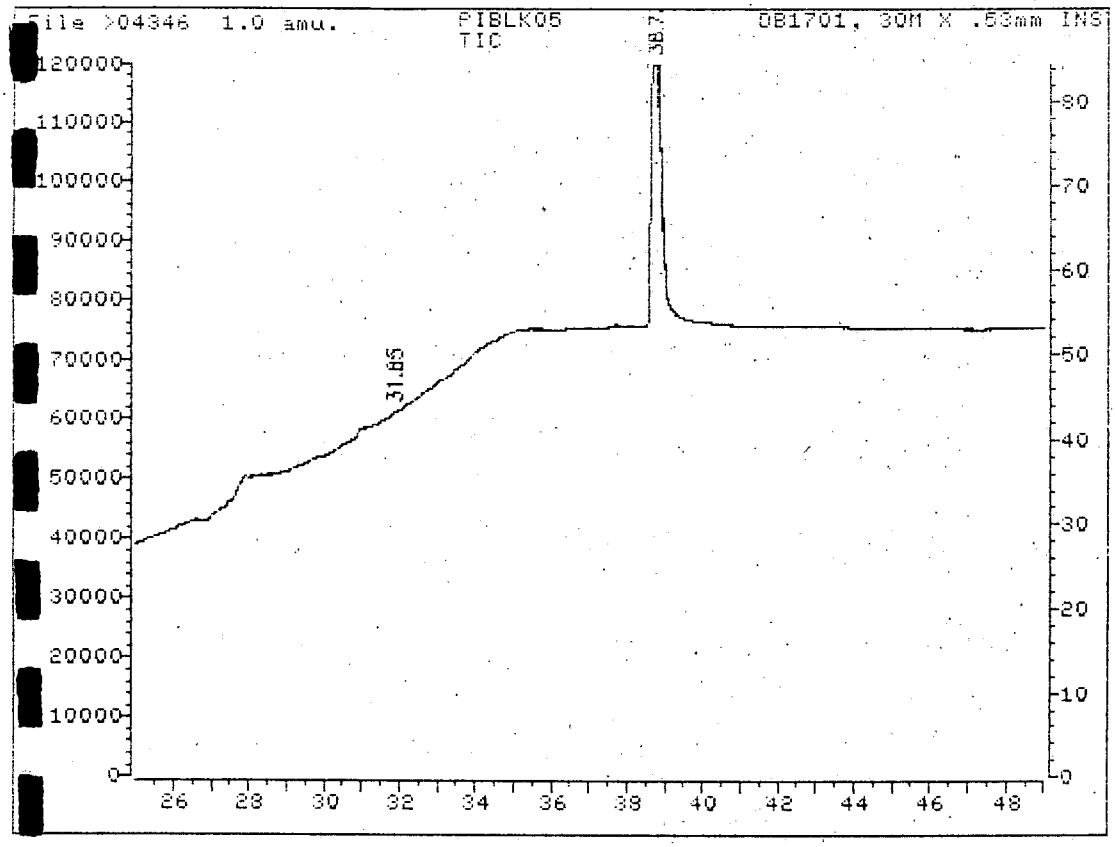


MS data file header from : >04346::G1

Sample: PIBLK05A Operator: TRFI2 7/15/96 12:36
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >04346::G1

Sample: PIBLK05A Operator: TRFI2 7/15/96 12:36
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK06A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK06

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03357

% 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: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

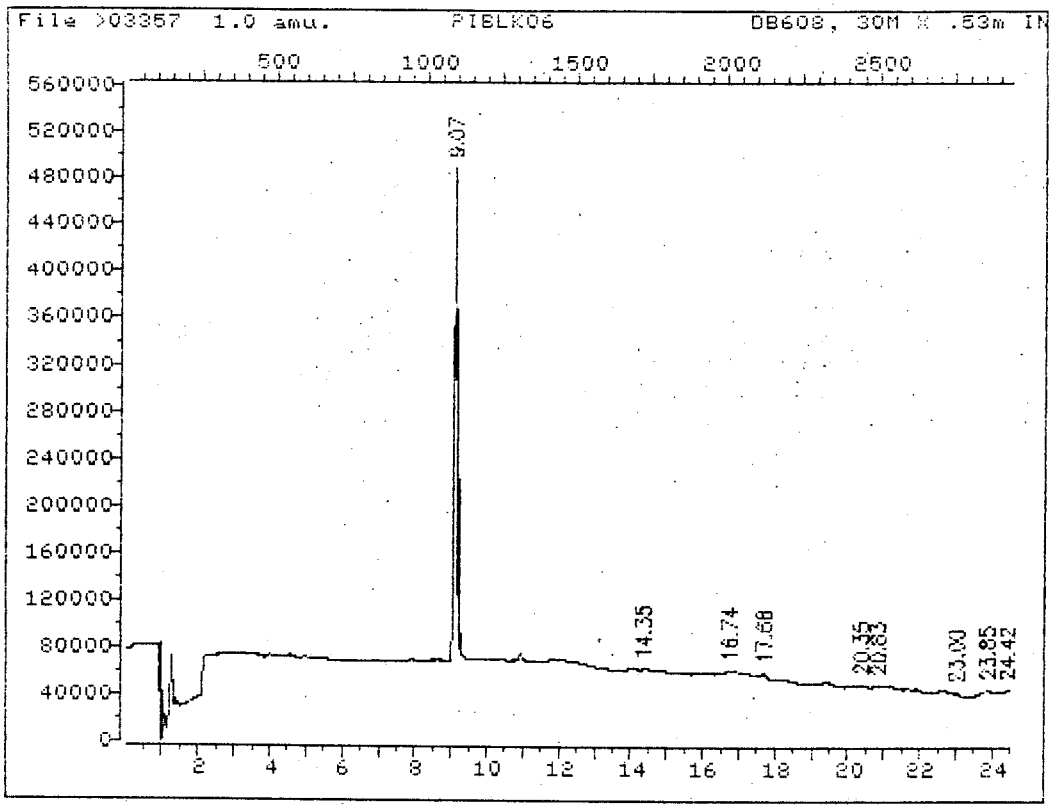
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	.025	U
319-85-7	beta-BHC	.025	U
319-86-8	delta-BHC	.025	U
58-89-9	gamma-BHC (Lindane)	.025	U
76-44-8	Heptachlor	.025	U
309-00-2	Aldrin	.025	U
1024-57-3	Heptachlor epoxide	.025	U
959-98-8	Endosulfan I	.025	U
60-57-1	Dieldrin	.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

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 23:31
Output File: ^03357::GQ Injected at: 960715 22:40
Data File: >03357::F3 Dilution Factor: 1.00000
Name: PIBLK06A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2407525	20.13	ng/ml	100
5)	#gamma-BHC (Lindane)	14.35	1722	5220	.0377	ng/ml	100
10)	#Dieldrin	23.00	2760	19512	.207	ng/ml	100
11)	#4,4'-DDE	23.00	2760	19512	.211	ng/ml	100
12)	#Endrin	24.90	2988	13303	.152	ng/ml	100
14)	#4,4'-DDD	25.49	3059	22672	.367	ng/ml	100
15)	#Endosulfan Sulfate	28.35	3402	55681	.633	ng/ml	100
19)	#Decachlorobiphenyl	41.67	5000	2306611	19.95	ng/ml	100
21)	#gamma-Chlordane	20.83	2499	8337	.0689	ng/ml	100
22)	#Toxaphene(1)	23.85	2862	140077	87.67	ng/ml	100
29)	#Aroclor-1260(1)	24.42	2930	18816	2.94	ng/ml	100
32)	#Toxaphene(3)	28.35	3402	55681	26.25	ng/ml	100
34)	#Aroclor-1016(2)	14.35	1722	5220	.899	ng/ml	100
36)	#Aroclor-1016(4)	16.74	2009	30874	8.02	ng/ml	100
40)	#Aroclor-1232(2)	14.35	1722	5220	1.86	ng/ml	100
42)	#Aroclor-1232(4)	16.74	2009	30874	17.67	ng/ml	100
43)	#Aroclor-1242(2)	14.35	1722	5220	1.13	ng/ml	100
45)	#Aroclor-1242(4)	16.74	2009	30874	9.33	ng/ml	100
47)	#Aroclor-1248(2)	17.68	2122	42361	13.27	ng/ml	100
49)	#Aroclor-1248(4)	20.35	2442	38756	9.43	ng/ml	100
54)	#Aroclor-1254(5)	24.90	2988	13303	3.64	ng/ml	100
55)	#Aroclor-1260(2)	24.90	2988	13303	1.87	ng/ml	100
56)	#Aroclor-1260(3)	26.62	3194	190899	41.47	ng/ml	100

Compound uses ESTD



Data File: >03357::F3 Quant Output File: ^03357::GQ
Name: PIBLK06A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 23:31
Injected at: 960715 22:40

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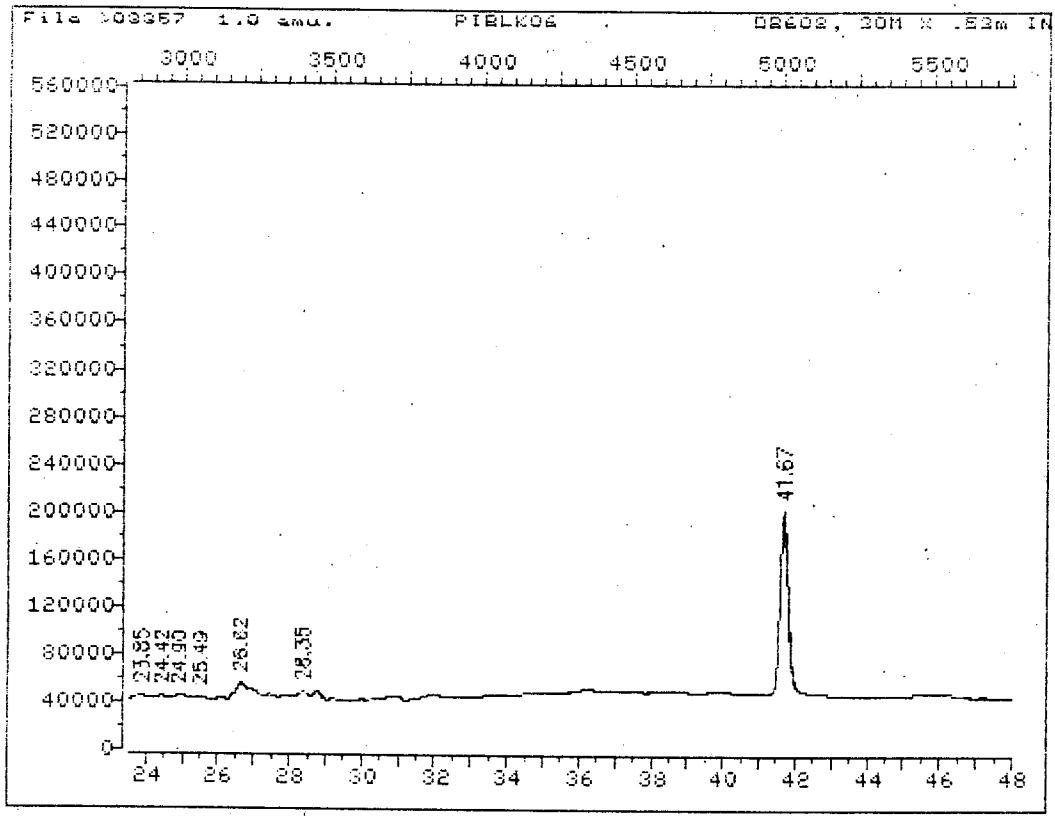
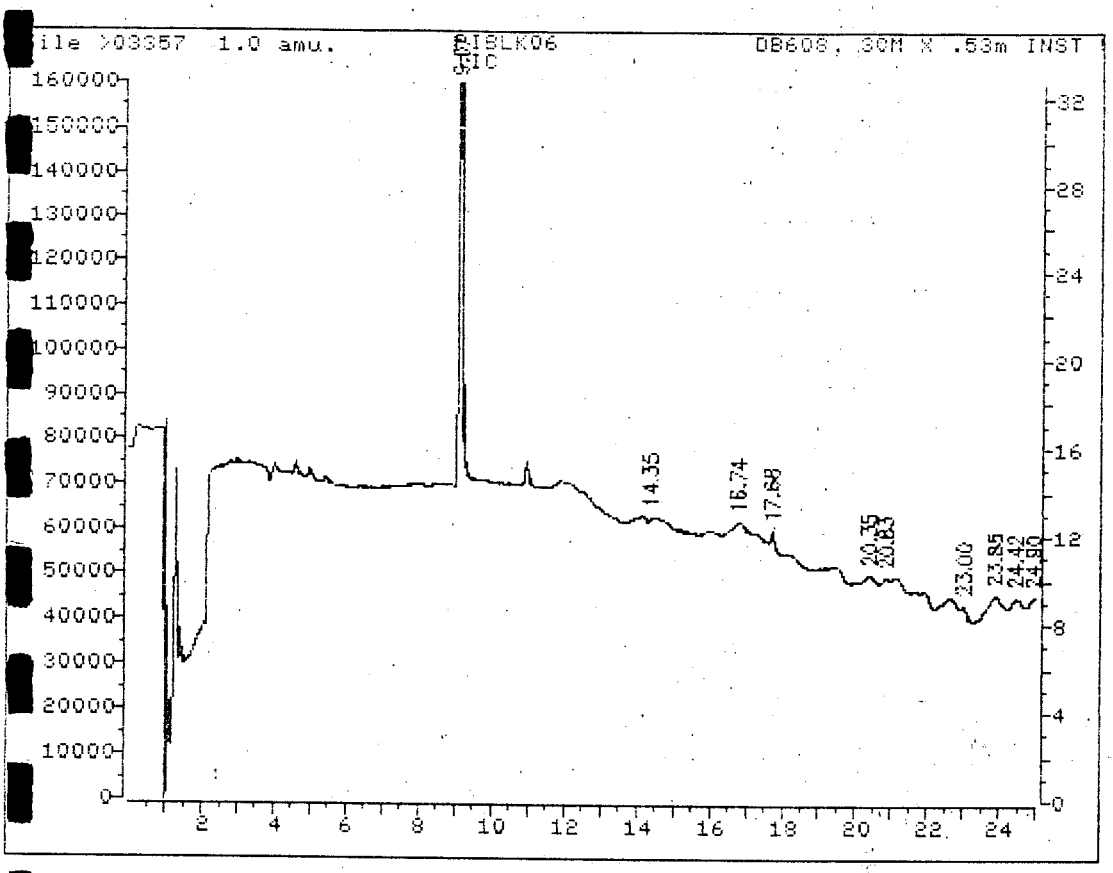


Data File: >03357::F3 Quant Output File: ^03357::GQ
Name: PIBLK06A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 23:31
Injected at: 960715 22:40

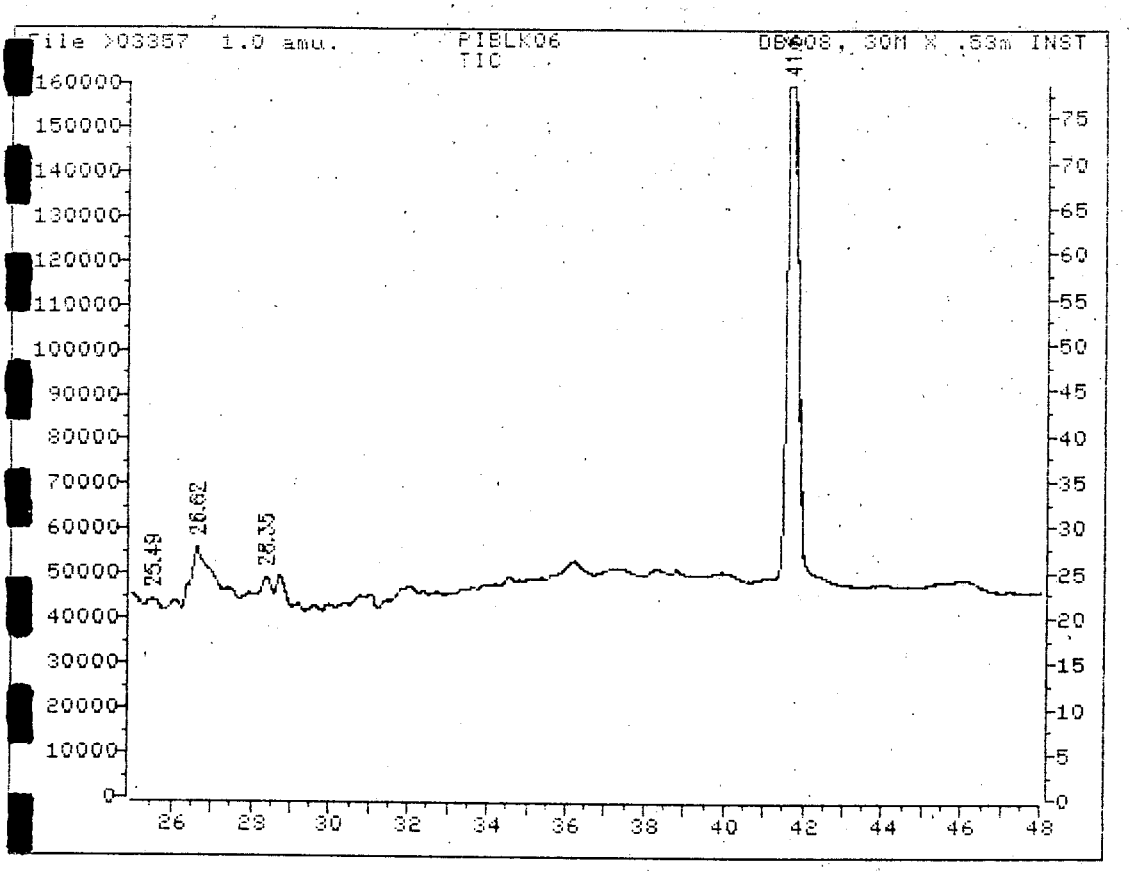
Page 2 of 2



MS data file header from : >03357::F3

Sample: PIBLK06A Operator: TRFI2 7/15/96 22:40
Misc : DB608, 30M X .53m 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 : >03357::F3

Sample: PIBLK06A Operator: TRFI2 7/15/96 22:40
Misc : DB608, 30M X .53m 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

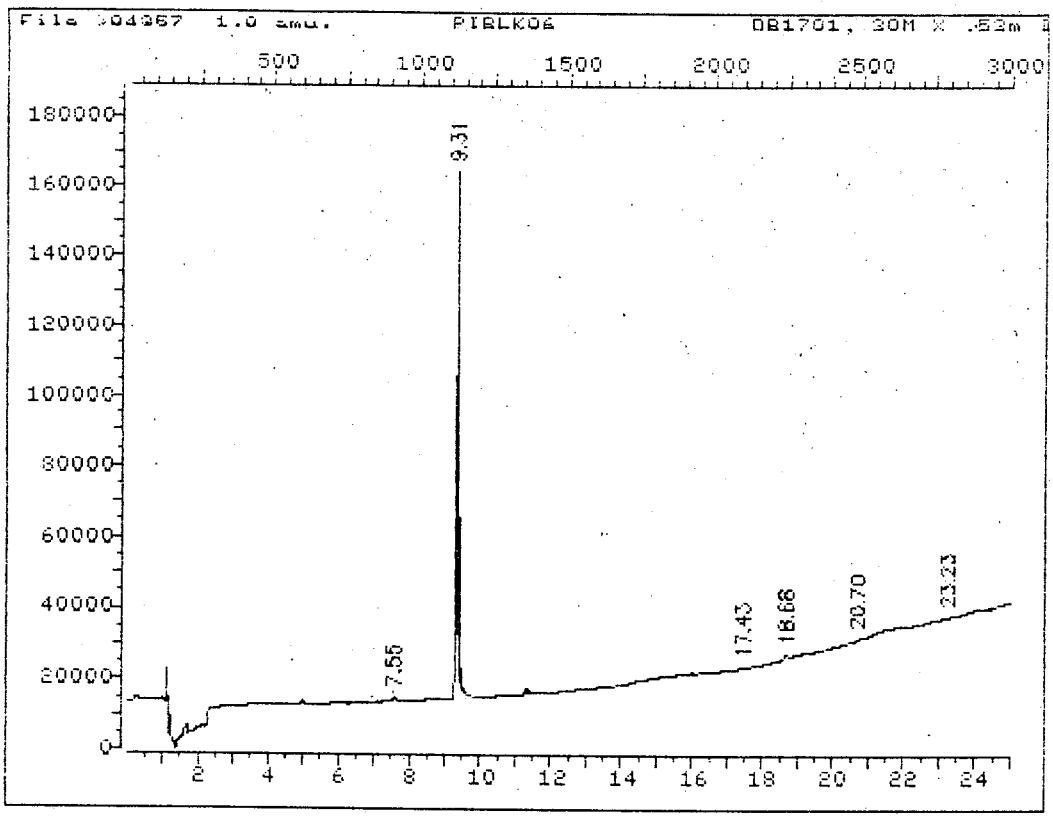
Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 23:33
Output File: ^04357::GQ Injected at: 960715 22:41
Data File: >04357::G1 Dilution Factor: 1.00000
Name: PIBLK06A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.31	1117	821251	20.07	ng/ml	100
3)	#beta-BHC	18.68	2241	10329	.412	ng/ml	100
7)	#Aldrin	17.43	2092	5701	.152	ng/ml	100
8)	#Heptachlor epoxide	20.70	2484	35283	.817	ng/ml	100
10)	#Dieldrin	23.23	2788	6945	.216	ng/ml	100
16)	#4,4'-DDT	27.30	3276	41977	2.40	ng/ml	100
17)	#Methoxychlor	30.98	3717	89603	6.69	ng/ml	100
19)	#Decachlorobiphenyl	38.73	4647	927058	20.21	ng/ml	100
24)	#Aroclor-1221(1)	7.55	906	5620	7.35	ng/ml	100
25)	#Aroclor-1232(1)	7.55	906	5620	5.09	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2092	5701	3.60	ng/ml	100
37)	#Aroclor-1016(5)	18.68	2241	9537	4.88	ng/ml	100
46)	#Aroclor-1242(5)	17.43	2092	5701	6.67	ng/ml	100
48)	#Aroclor-1248(3)	18.68	2241	9537	3.94	ng/ml	100

Compound uses ESTD

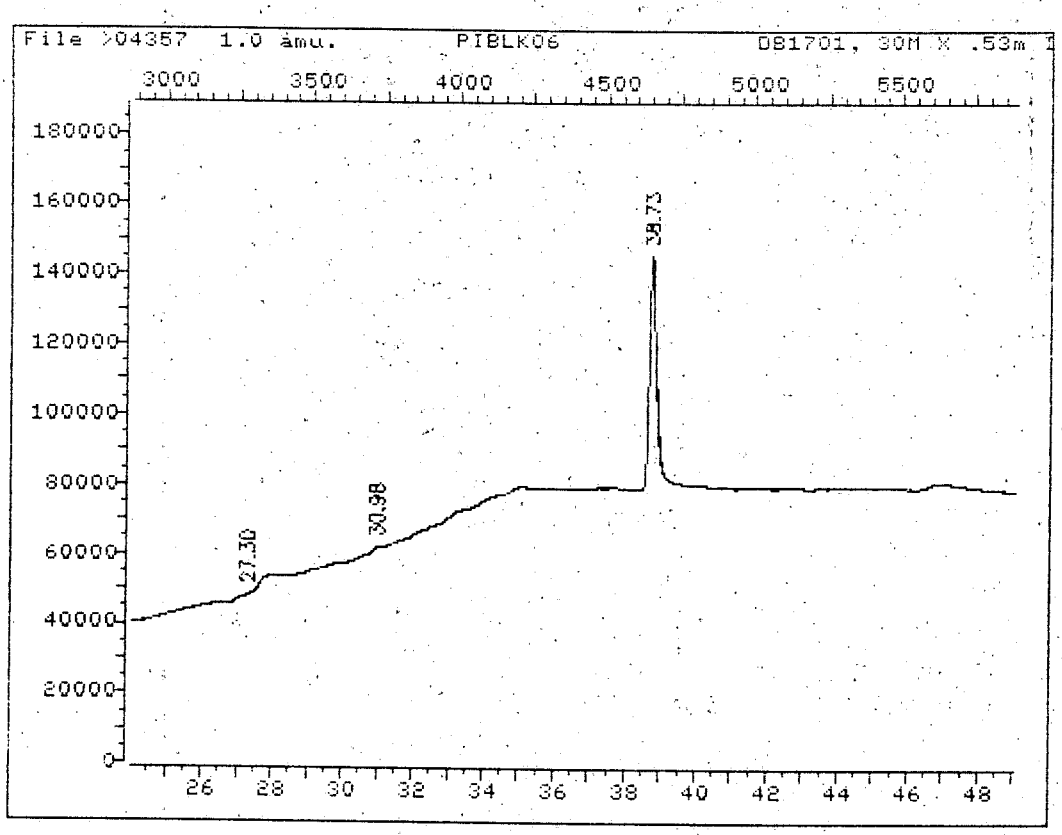


Data File: >04357::G1 Quant Output File: ^04357::GQ
Name: PIBLK06A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 23:33
Injected at: 960715 22:41

Page 1 of 2

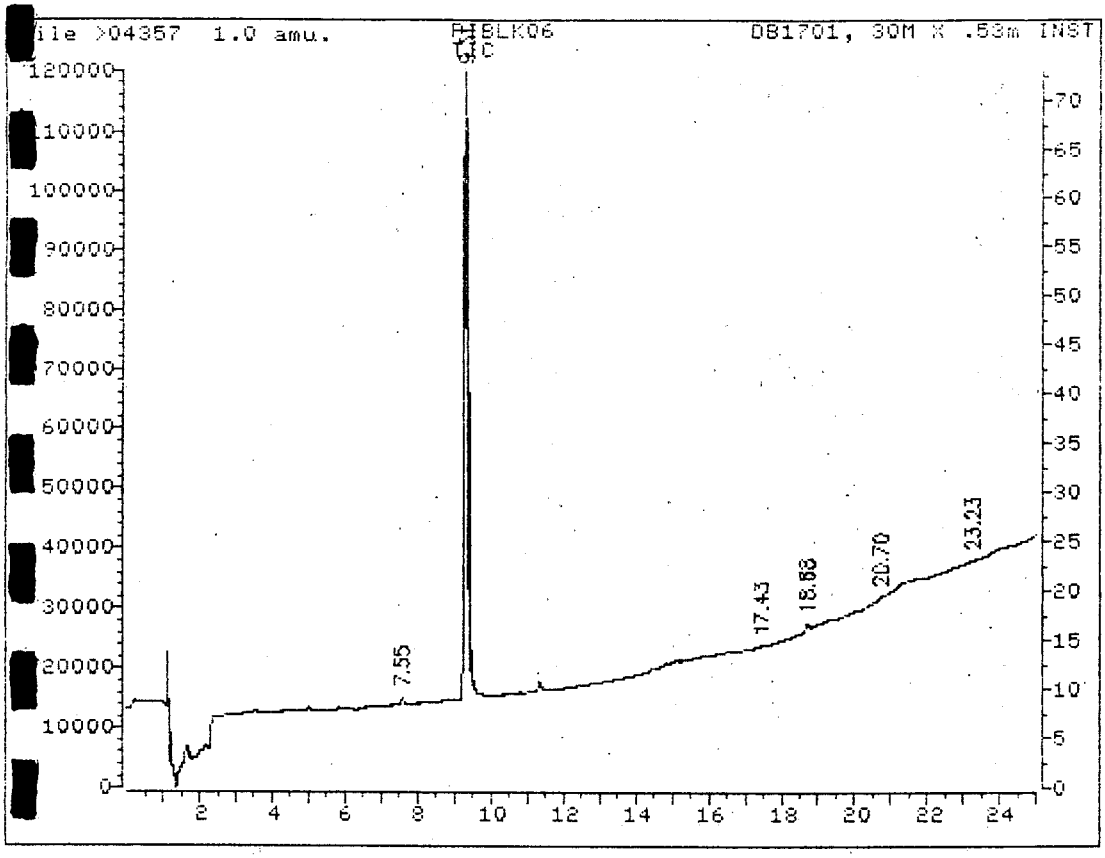


Data File: >04357::G1 Quant Output File: ^04357::GQ
Name: PIBLK06A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 23:33
Injected at: 960715 22:41

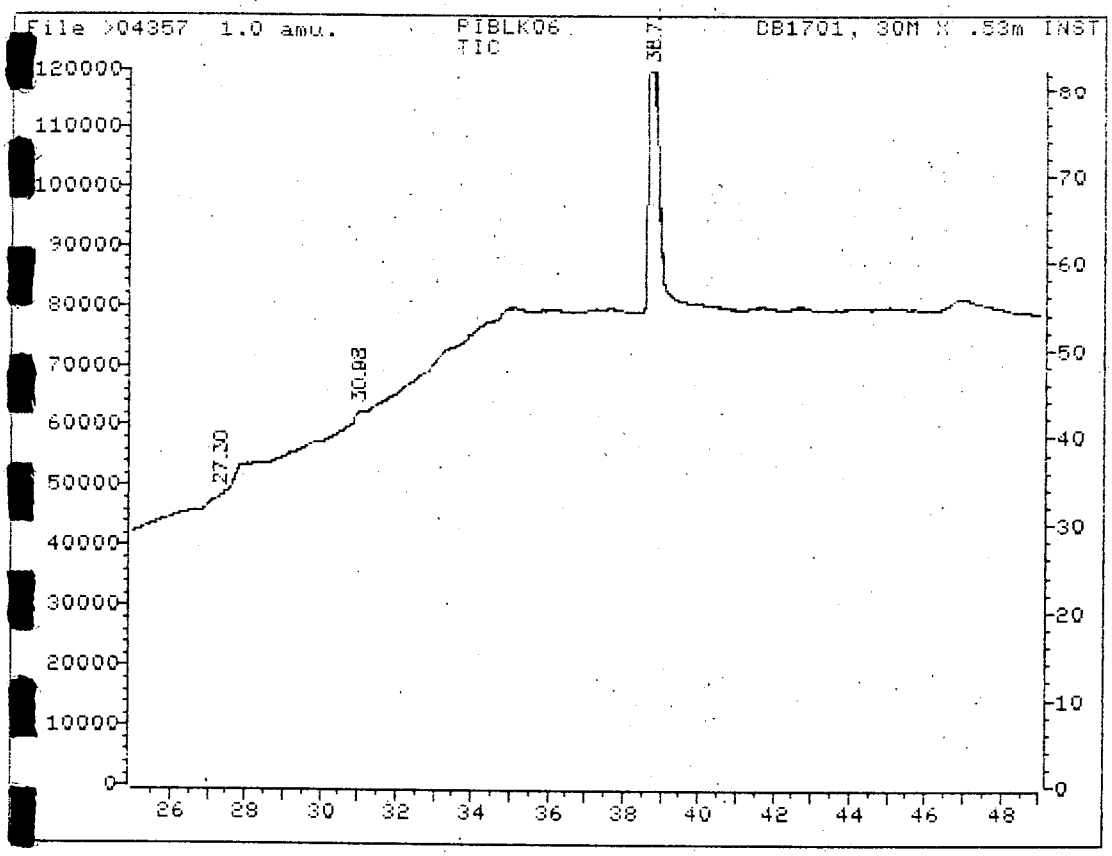
Page 2 of 2



MS data file header from : >04357::G1

Sample: PIBLK06A Operator: TRFI2 7/15/96 22:41
Misc : DB1701, 30M X .53m 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 : >04357::G1

Sample: PIBLK06A Operator: TRFI2 7/15/96 22:41
Disc : DB1701, 30M X .53m 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.

PIBLK07A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK07

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03358

% 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: 07/15/96

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: ^03358::GQ
Data File: >03358::F3
Name: PIBLK07A
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

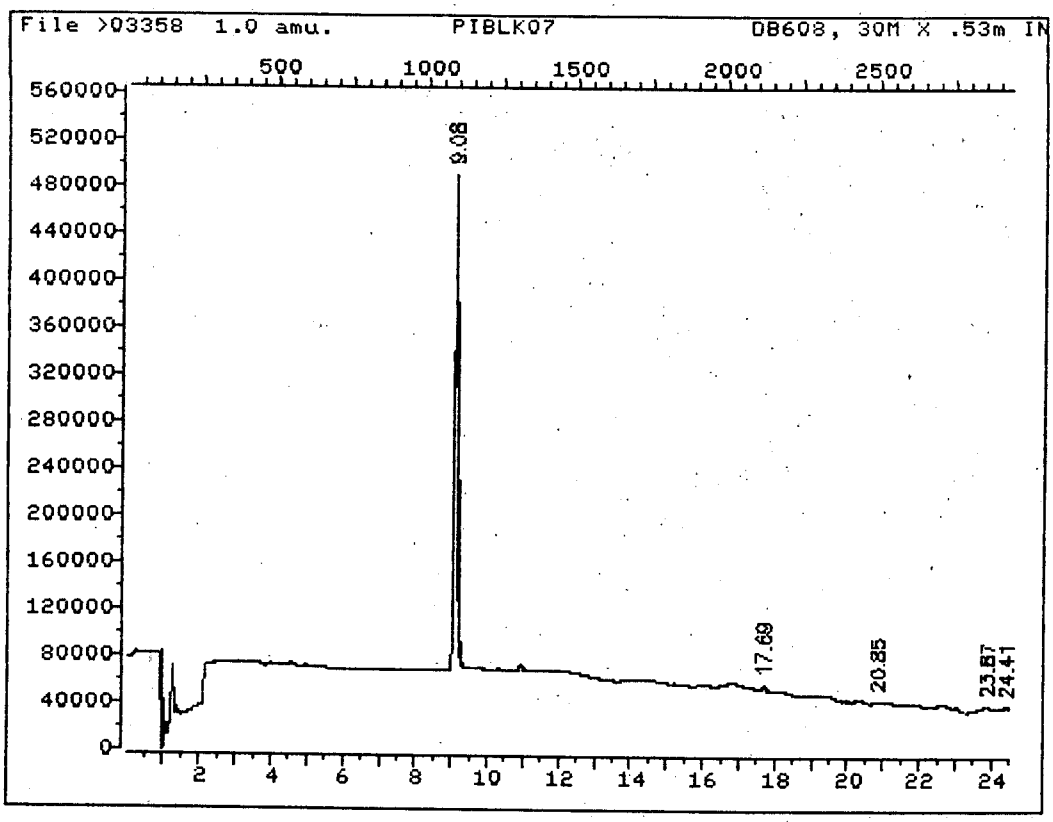
Quant Rev: 7
Quant Time: 960716 00:26
Injected at: 960715 23:36
Dilution Factor: 1.00000
Instrument ID: GC03

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	9.08	1090	2425320	20.27	ng/ml	100
12)	~~#Endrin~~ NT	24.94	2993	25158	.288	ng/ml	100
14)	~~#4,4'-DDD~~ NT	25.52	3062	18371	.298	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NT	28.38	3405	59267	.674	ng/ml	100
19)	#Decachlorobiphenyl	41.67	5000	2399796	20.76	ng/ml	100
21)	~~#gamma-Chlordane~~ NP	20.85	2502	9866	.0816	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.87	2864	105772	66.20	ng/ml	100
28)	~~#Aroclor-1254(1)~~ NP	20.85	2502	9866	1.98	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.41	2929	12270	1.92	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.38	3405	59267	27.94	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	30.33	3639	5825	2.98	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.69	2123	44633	13.98	ng/ml	100
54)	~~#Aroclor-1254(5)~~ NP	24.94	2993	25158	6.88	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.94	2993	25158	3.53	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.63	3195	168215	36.54	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.33	3639	5825	.532	ng/ml	100

Compound uses ESTD

3/19/96

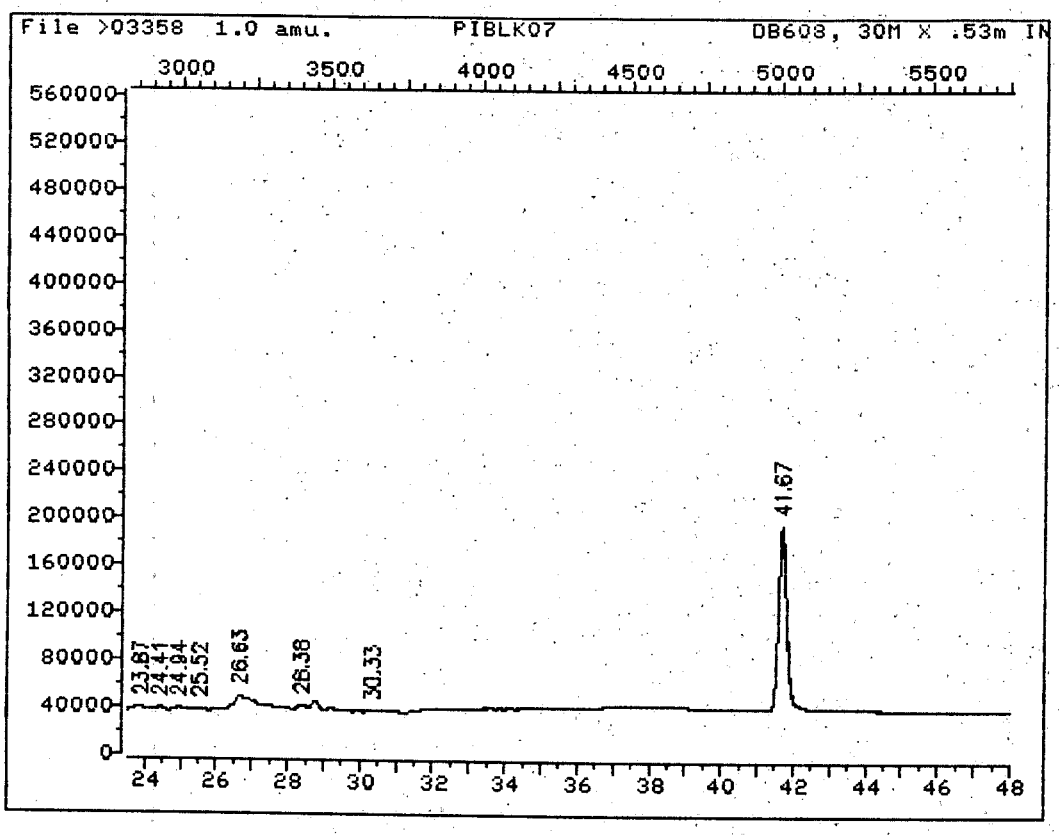


Data File: >03358::F3 Quant Output File: ^03358::GQ
Name: PIBLK07A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 00:26
Injected at: 960715 23:36

Page 1 of 2

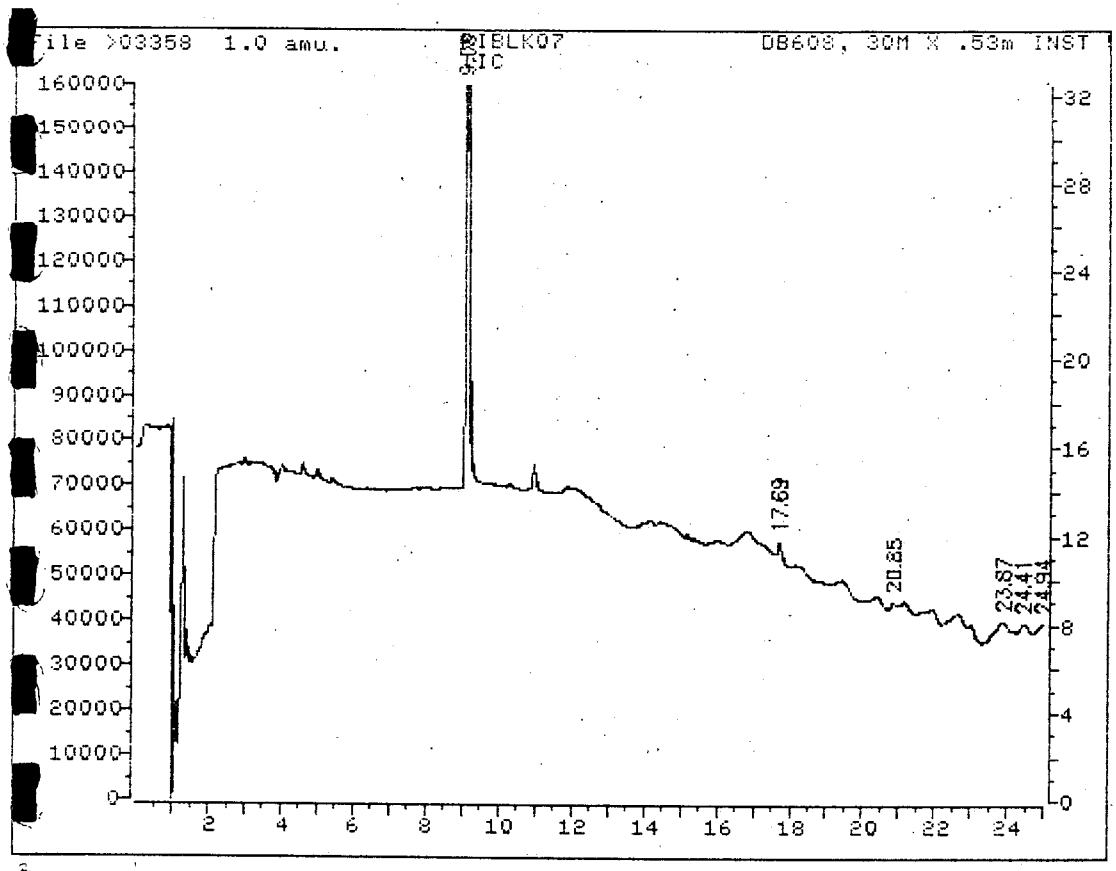


Data File: >03358::F3 Quant Output File: ^03358::GQ
Name: PIBLK07A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 00:26
Injected at: 960715 23:36

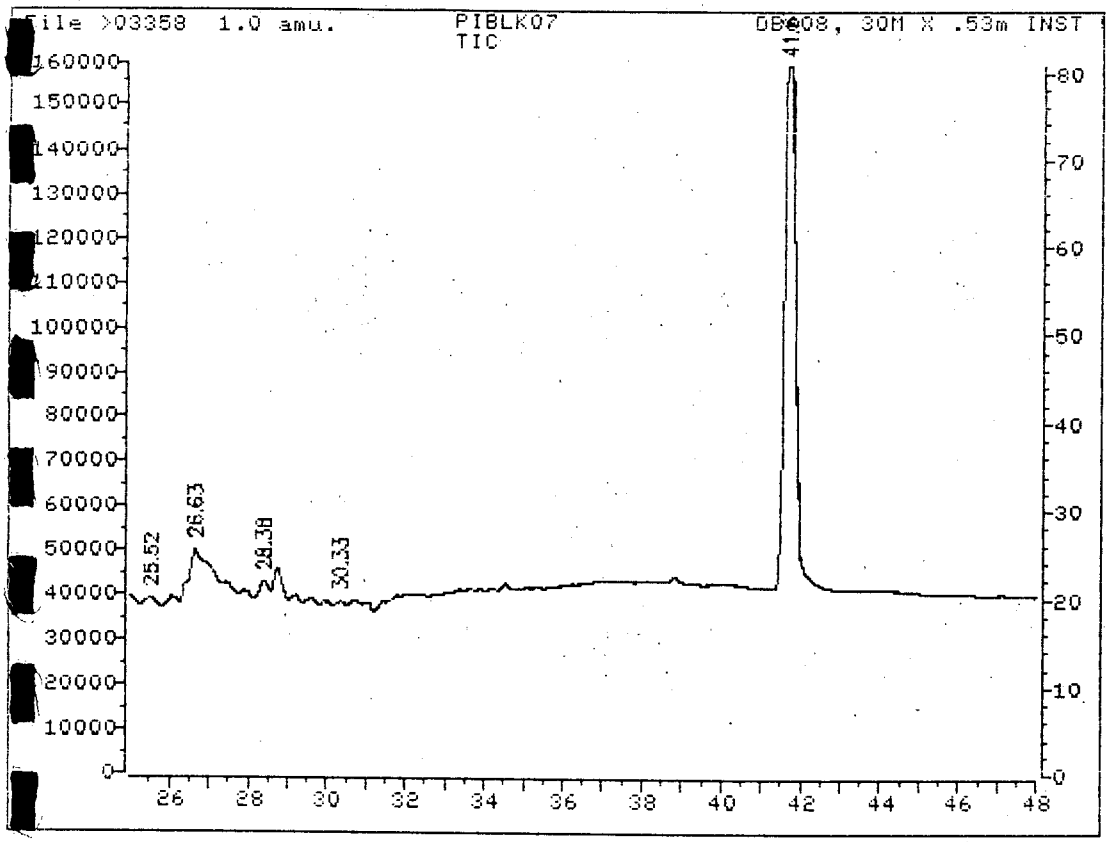
Page 2 of 2



MS data file header from : >03358::F3

Sample: PIBLK07A Operator: TRFI2 7/15/96 23:36
Misc : DB608, 30M X .53m 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

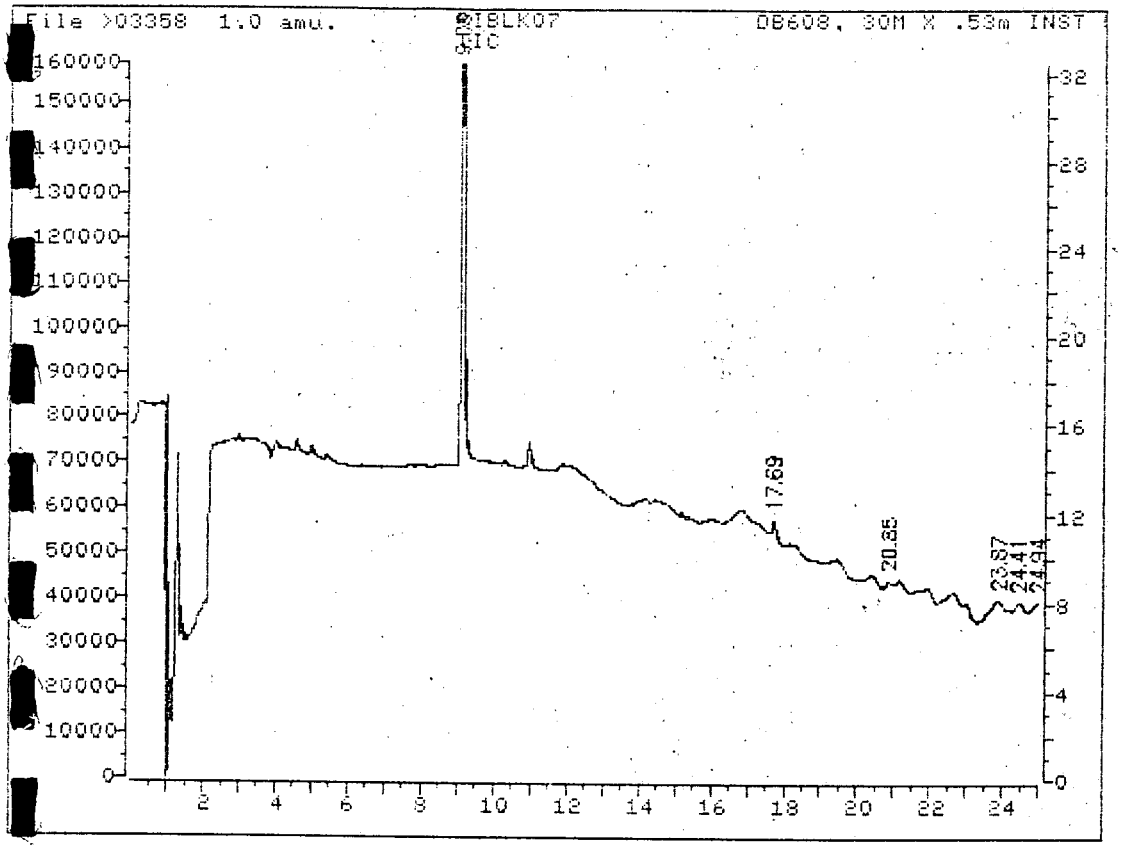
Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >03358::F3

Sample: PIBLK07A Operator: TRFI2 7/15/96 23:36
Disc : DB608, 30M X .53m 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

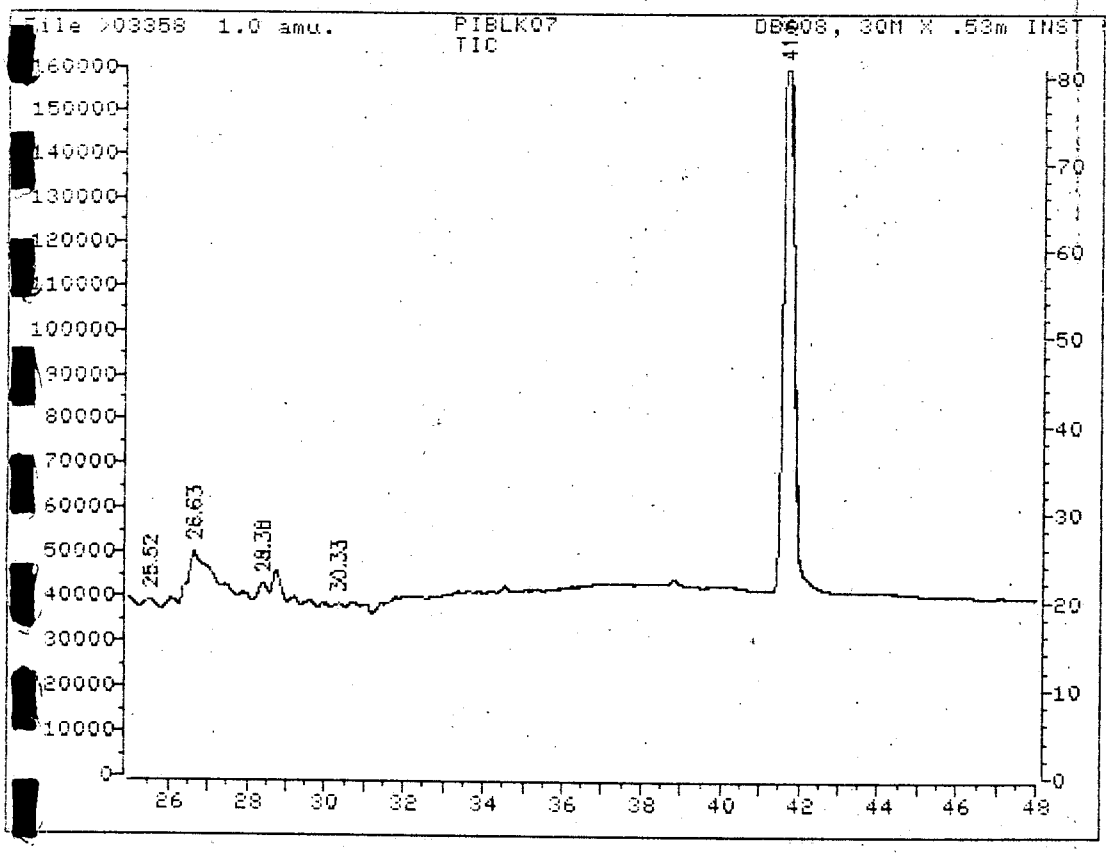
Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >03358::F3

Sample: PIBLK07A Operator: TRFI2 7/15/96 23:36
Disc : DB608, 30M X .53m 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 : >03358::F3

Sample: PIBLK07A Operator: TRFI2 7/15/96 23:36
Disc : DB608, 30M X .53m 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

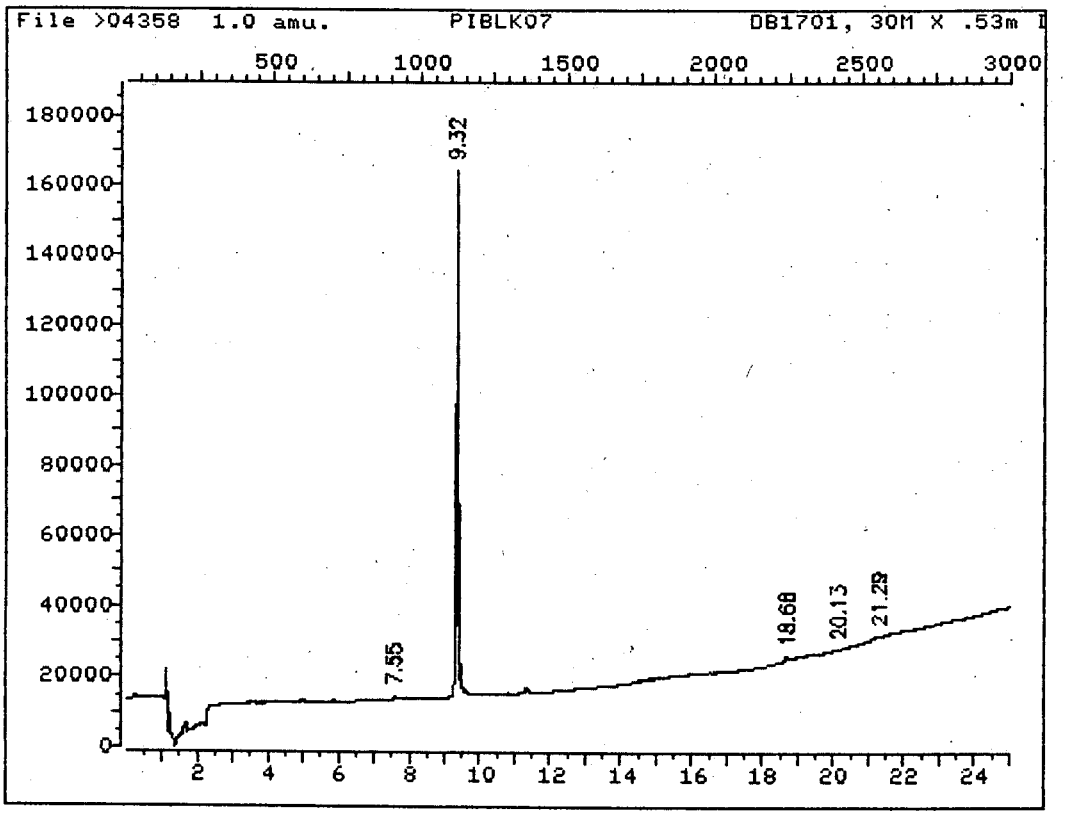
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 00:28
Output File: ^04358::GQ Injected at: 960715 23:36
Data File: >04358::G1 Dilution Factor: 1.00000
Name: PIBLK07A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.32	1118	822928	20.11	ng/ml	100
3)	~~#beta-BHC~~ NT	18.68	2241	11489	.458	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NT	30.76	3691	82393	3.00	ng/ml	100
17)	~~#Methoxychlor~~ NT	30.76	3691	43369	3.24	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.96	3955	77268	2.44	ng/ml	100
19)	#Decachlorobiphenyl	38.73	4648	935130	20.39	ng/ml	100
24)	~~#Aroclor 1221(1)~~ NP	7.55	906	6065	7.93	ng/ml	100
25)	~~#Aroclor 1232(1)~~ NP	7.55	906	6065	5.49	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.89	3827	31966	61.68	ng/ml	100
37)	~~#Aroclor 1016(5)~~ NP	18.68	2241	10589	5.42	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.68	2241	10589	4.37	ng/ml	100
51)	~~#Aroclor-1254(2)~~ NP	20.13	2415	5724	2.66	ng/ml	100
52)	~~#Aroclor 1254(3)~~ NP	21.29	2555	73012	39.73	ng/ml	100
58)	#~~Aroclor-1260~~(5) NP	31.89	3827	31966	11.60	ng/ml	100

Compound uses ESTD

7/19/96

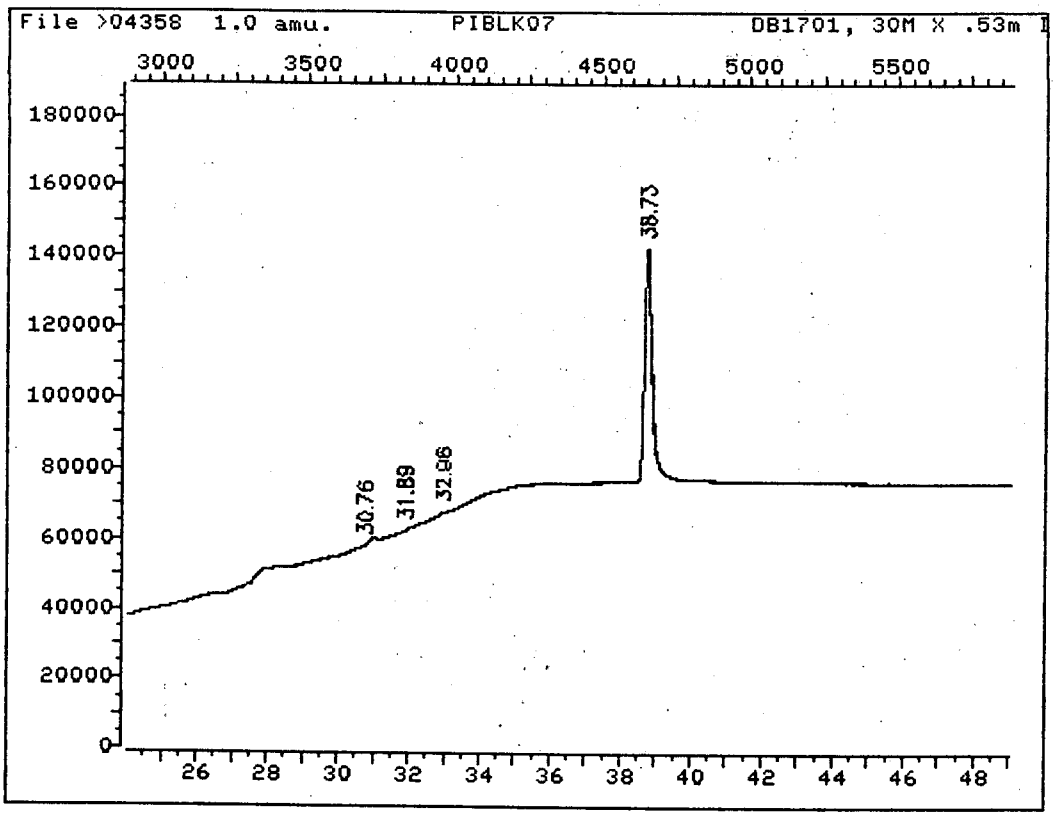


Data File: >04358::G1 Quant Output File: ^04358::GQ
Name: PIBLK07A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 00:28
Injected at: 960715 23:36

Page 1 of 2

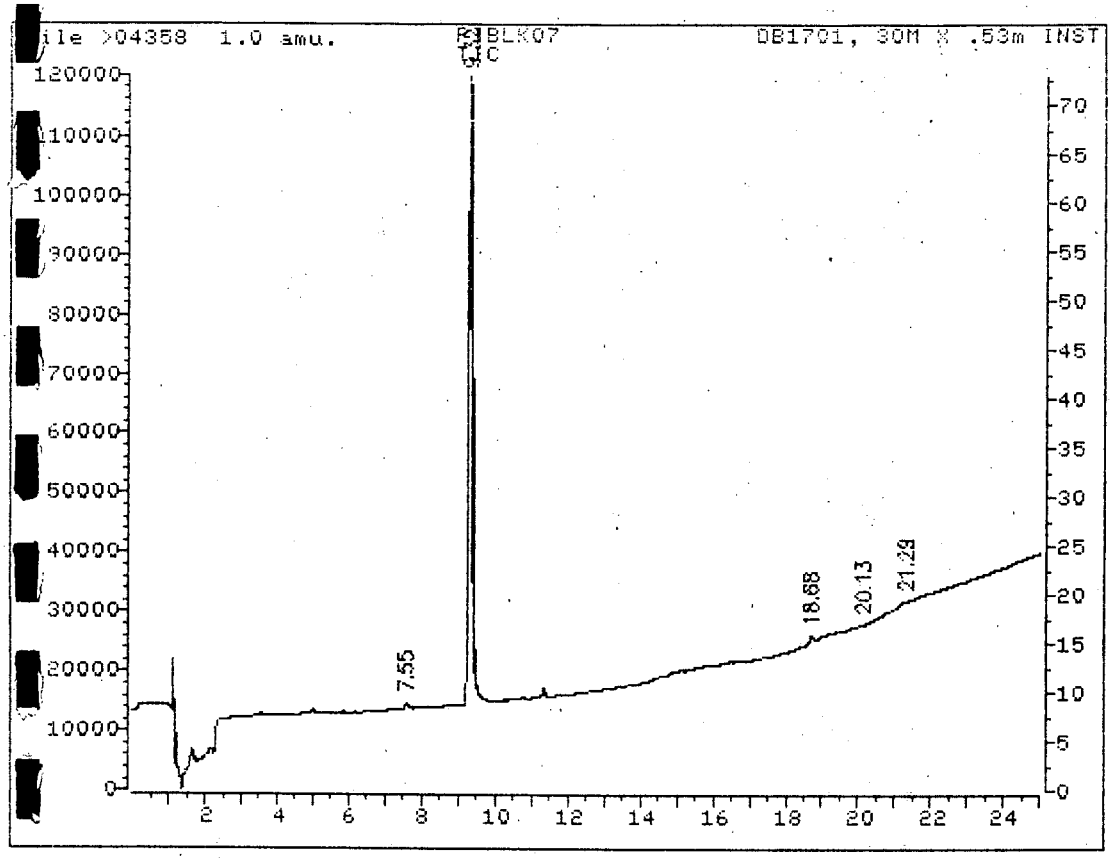


Data File: >04358::G1 Quant Output File: ^04358::GQ
Name: PIBLK07A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 00:28
Injected at: 960715 23:36

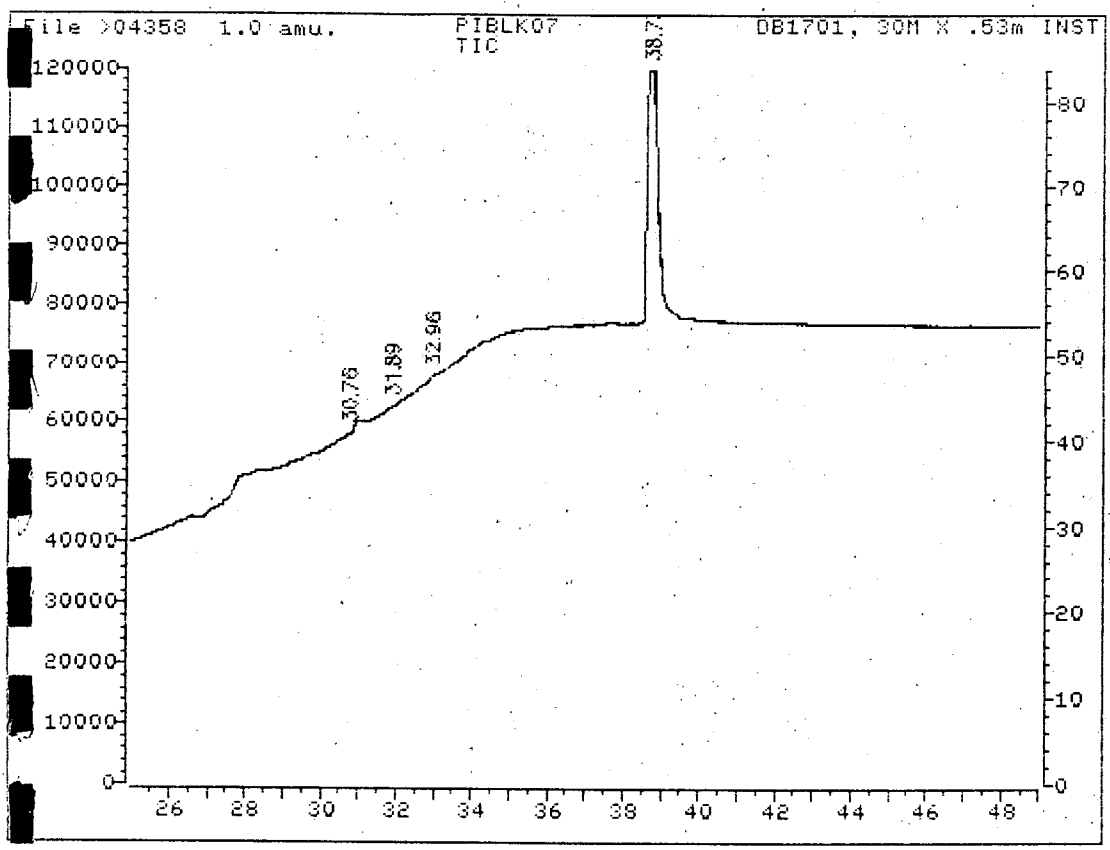
Page 2 of 2



MS data file header from : >04358::G1

Sample: PIBLK07A Operator: TRFI2 7/15/96 23:36
Misc : DB1701, 30M X .53m 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

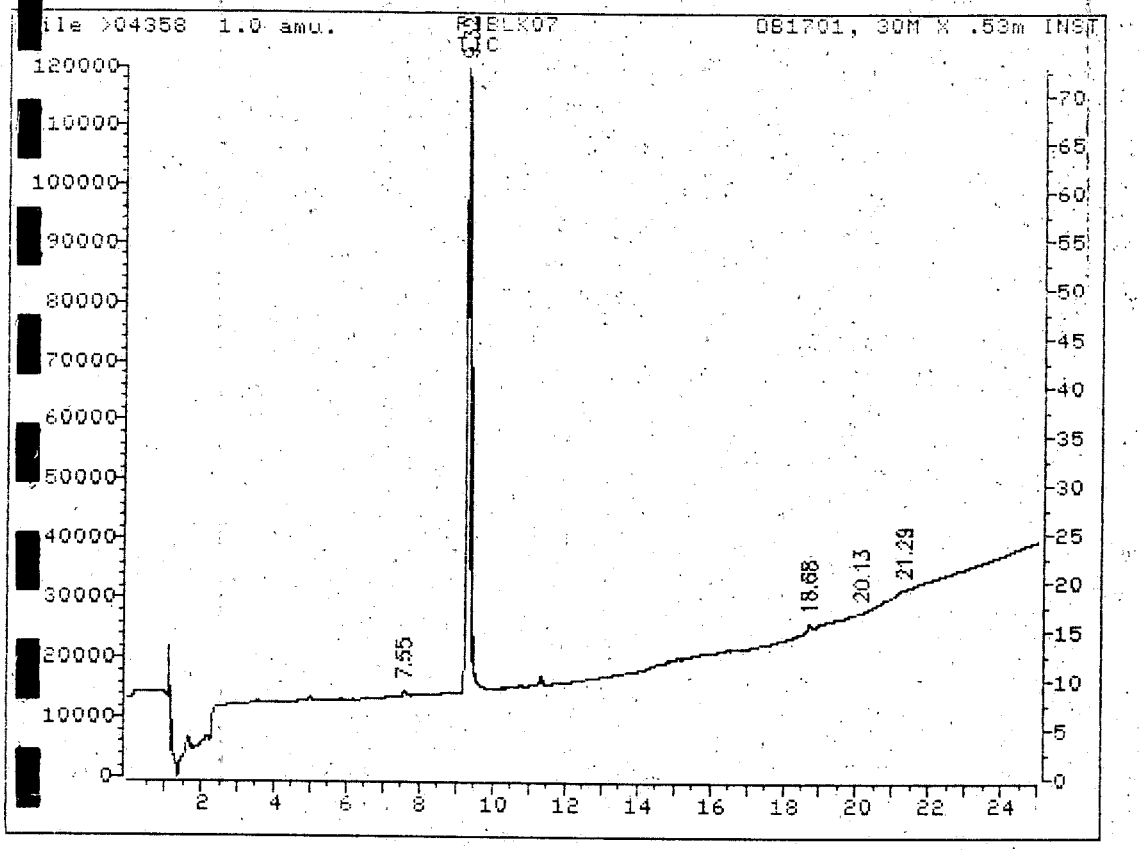
Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >04358::G1

Sample: PIBLK07A Operator: TRFI2 7/15/96 23:36
Misc : DB1701, 30M X .53m 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

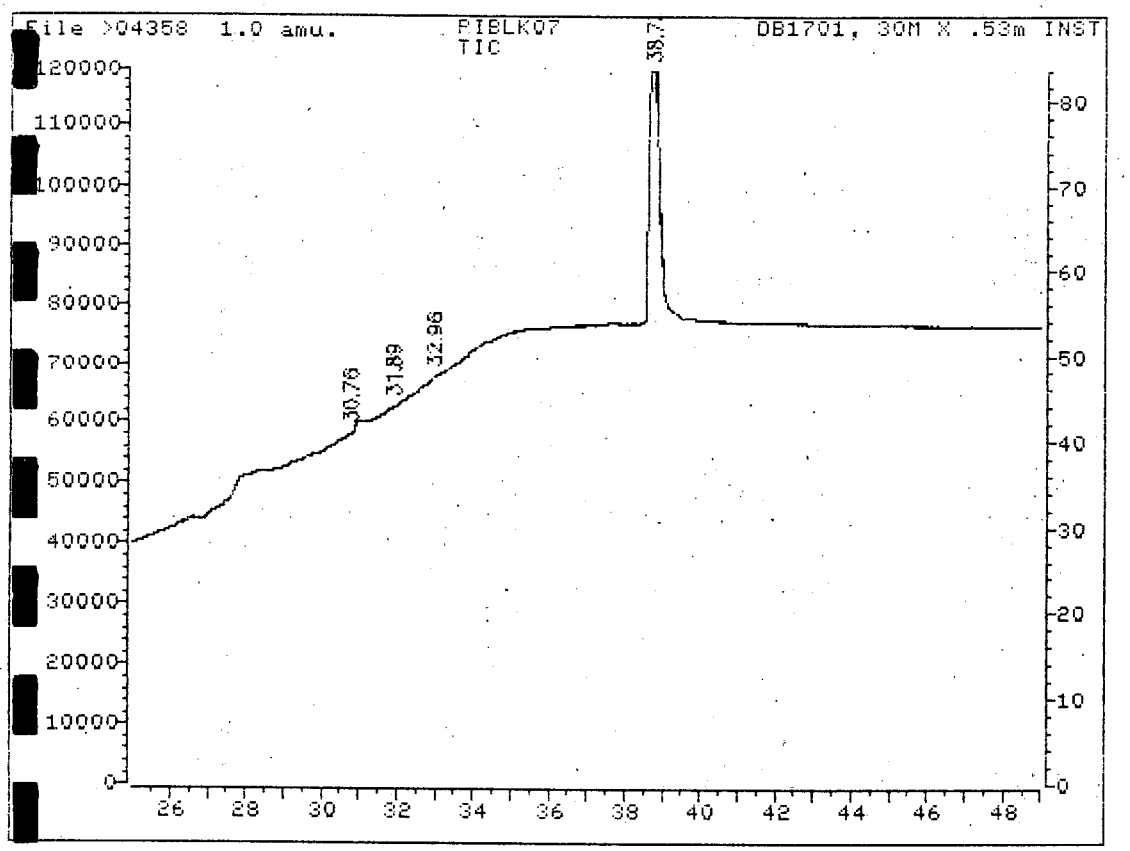
Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >04358::G1

ample: PIBLK07A Operator: TRFI2 7/15/96 23:36
Misc : DB1701, 30M X .53m 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 : >04358::G1

Sample: PIBLK07A Operator: TRFI2 7/15/96 23:36
Disc : DB1701, 30M X .53m 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.

PIBLK09A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK09

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03369

% 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: 07/16/96

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: ^03369::GQ
Data File: >03369::F3
Name: PIBLK09A
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

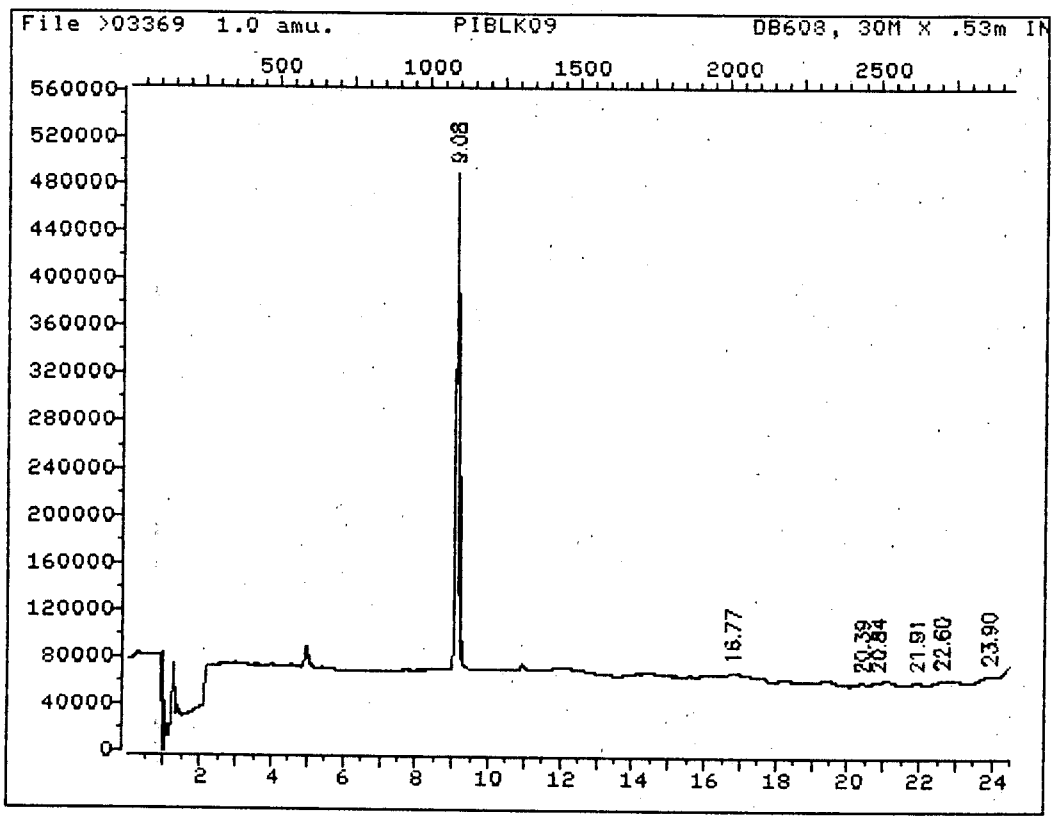
Quant Rev: 7
Quant Time: 960716 11:29
Injected at: 960716 09:36
Dilution Factor: 1.00000
Instrument ID: GC03

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	9.08	1090	2388041	19.96	ng/ml	100
12)	~~#Endrin~~ NC	25.00	3000	523865	5.99	ng/ml	100
15)	~~#Endosulfan Sulfate~~ <CRQL	28.37	3404	45549	.518	ng/ml	100
19)	#Decachlorobiphenyl	41.68	5001	2160500	18.69	ng/ml	100
21)	#~~gamma-Chlordane~~ NC	20.84	2501	10959	.0906	ng/ml	100
22)	#~~Toxaphene~~(1) NP	23.90	2868	125311	78.43	ng/ml	100
28)	#~~Aroclor-1254(1)~~ NP	20.84	2501	10959	2.20	ng/ml	100
32)	#Toxaphene(3) NP	28.37	3404	45549	21.48	ng/ml	100
33)	#~~Toxaphene~~(4) NP	30.33	3639	7317	3.75	ng/ml	100
36)	#~~Aroclor-1016~~(4) NP	16.77	2013	31295	8.13	ng/ml	100
42)	#~~Aroclor-1232~~(4) NP	16.77	2013	31295	17.91	ng/ml	100
45)	#~~Aroclor-1242~~(4) NP	16.77	2013	31295	9.45	ng/ml	100
49)	#Aroclor-1248(4) NP	20.39	2447	27010	6.58	ng/ml	100
50)	#~~Aroclor-1248~~(5) NP	21.91	2629	8018	1.83	ng/ml	100
52)	#~~Aroclor-1254(3)~~ NP	22.60	2712	60965	33.00	ng/ml	100
54)	#~~Aroclor-1254(5)~~ NP	25.00	3000	516306	141.28	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	25.00	3000	516306	72.47	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.59	3191	110703	24.05	ng/ml	100
57)	#~~Aroclor-1260(4)~~ NP	30.33	3639	6541	.597	ng/ml	100

Compound uses ESTD

EBrice
7/22/96



Data File: >03369::F3
Name: PIBLK09A
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Output File: ^03369::GQ
Instrument ID: GC03

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

Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 11:29
Injected at: 960716 09:36

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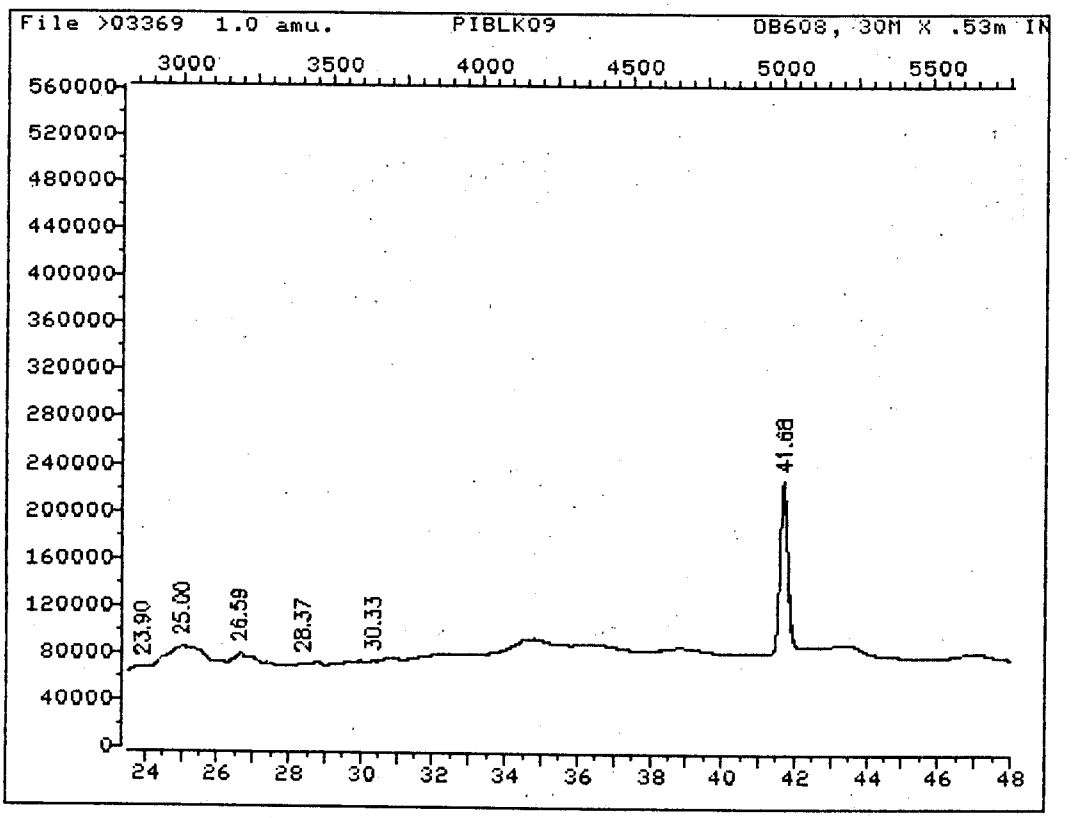
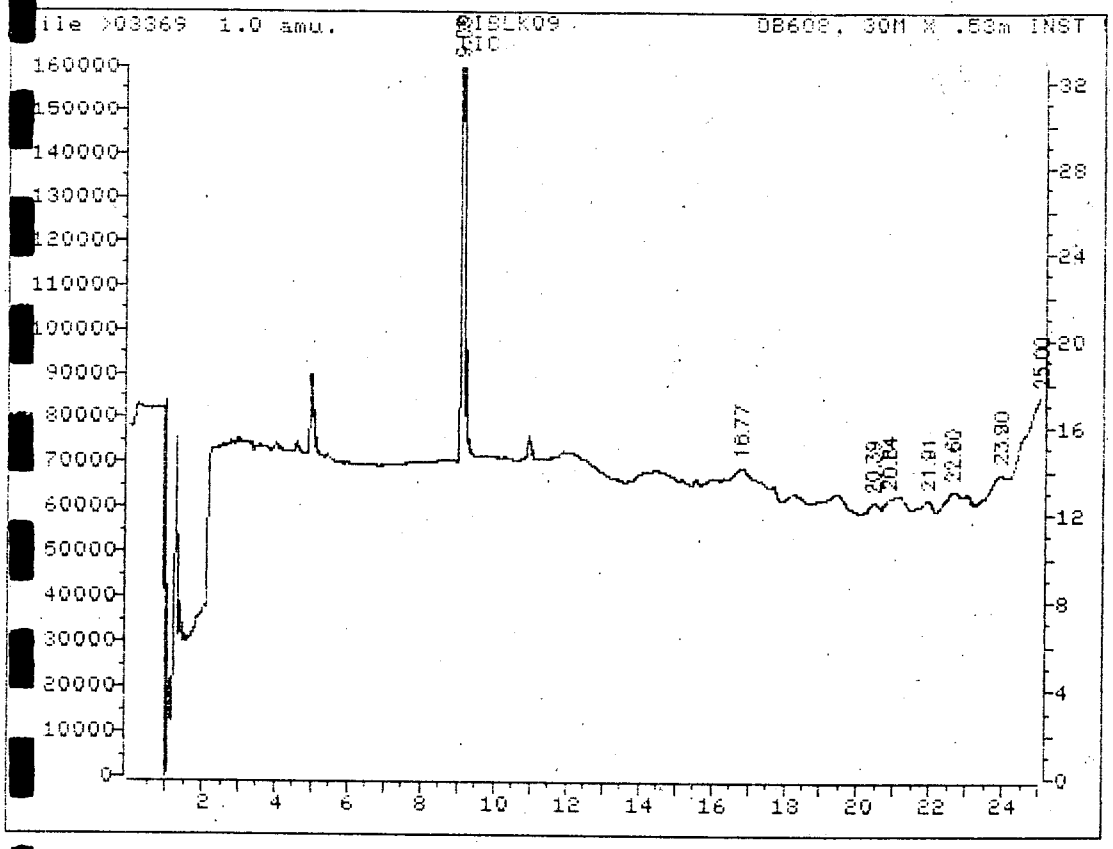


Data File: >03369::F3 Quant Output File: ^03369::GQ
Name: PIBLK09A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 11:29
Injected at: 960716 09:36

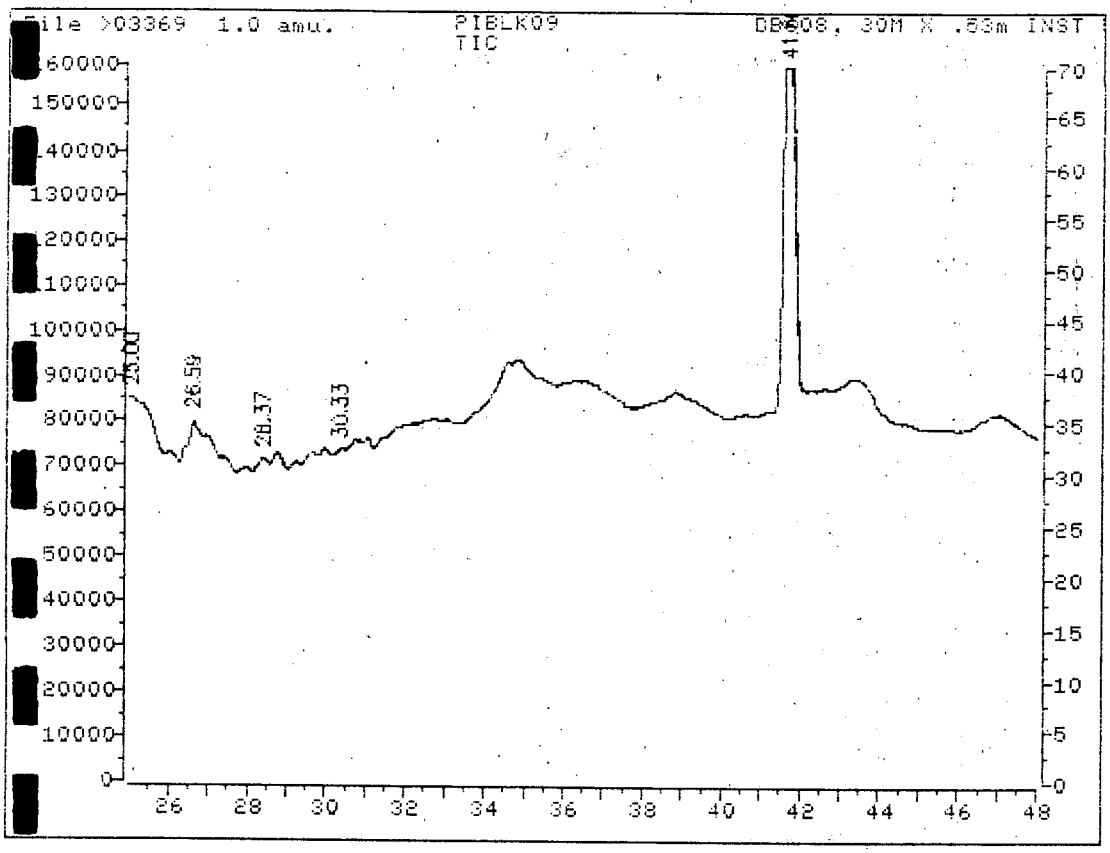
Page 2 of 2



MS data file header from : >03369::F3

Sample: PIBLK09A Operator: TRFI2 7/16/96 9:36
Misc : DB608, 30M X .53m 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 : >03369::F3

Sample: PIBLK09A Operator: TRFI2 7/16/96 9:36
Disc : DB608, 30M X .53m 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: ^04369::GQ
Data File: >04369::G1
Name: PIBLK09A
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

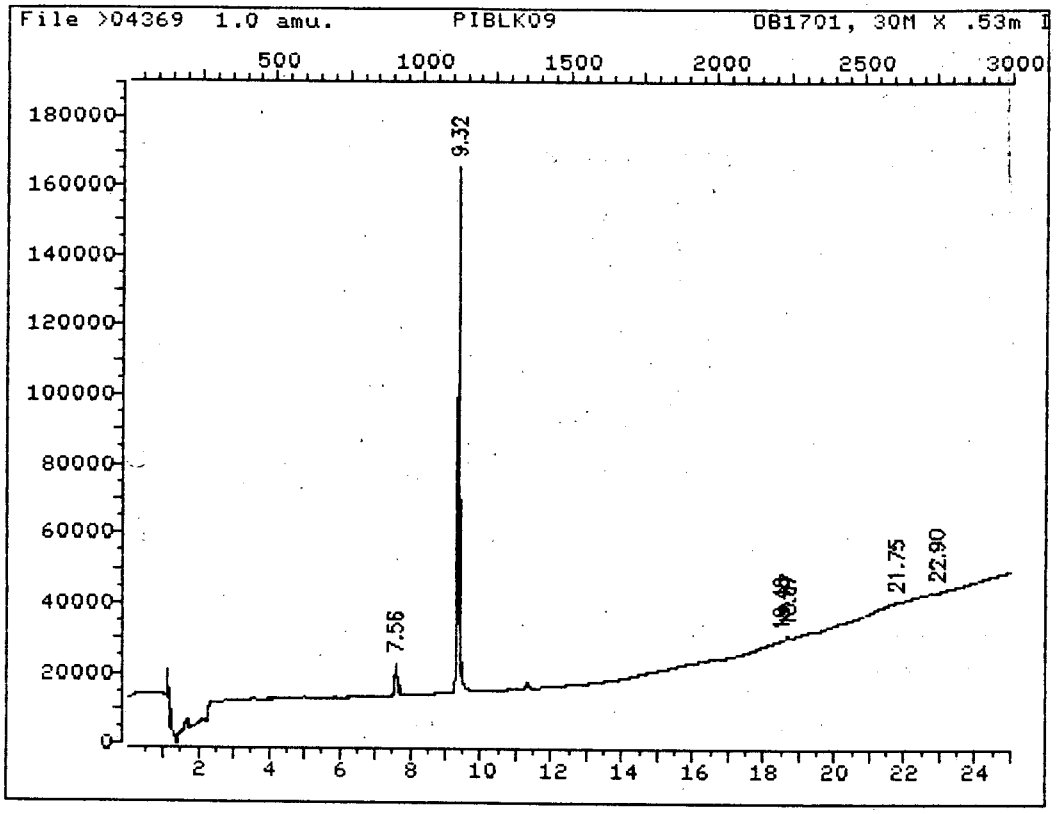
Quant Rev: 7
Quant Time: 960716 11:33
Injected at: 960716 09:36
Dilution Factor: 1.00000
Instrument ID: GC04

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	9.32	1118	822835	20.11	ng/ml	100
3)	#~~beta-BHC~~ NC	18.67	2240	5145	.205	ng/ml	100
9)	#~~Endosulfan I~~ NC	21.75	2610	7101	.204	ng/ml	100
15)	#~~Endosulfan Sulfate~~ <CRQL/2	30.52	3662	16339	.595	ng/ml	100
18)	#~~Endrin ketone~~ NC	32.99	3958	14917	.470	ng/ml	100
19)	#Decachlorobiphenyl	38.73	4647	873956	19.06	ng/ml	100
24)	#~~Aroclor-1221(1)~~ ND	7.56	907	50140	65.59	ng/ml	100
25)	#~~Aroclor-1232(1)~~ ND	7.56	907	50140	45.42	ng/ml	100
37)	#~~Aroclor-1016(5)~~ ND	18.48	2218	46617	23.86	ng/ml	100
48)	#~~Aroclor-1248(3)~~ ND	18.48	2218	46617	19.26	ng/ml	100
53)	#~~Aroclor-1254(4)~~ ND	22.90	2748	19127	7.36	ng/ml	100

Compound uses ESTD

EPrue
7/22/96



Data File: >04369::G1 Quant Output File: ^04369::GQ
Name: PIBLK09A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 11:33
Injected at: 960716 09:36

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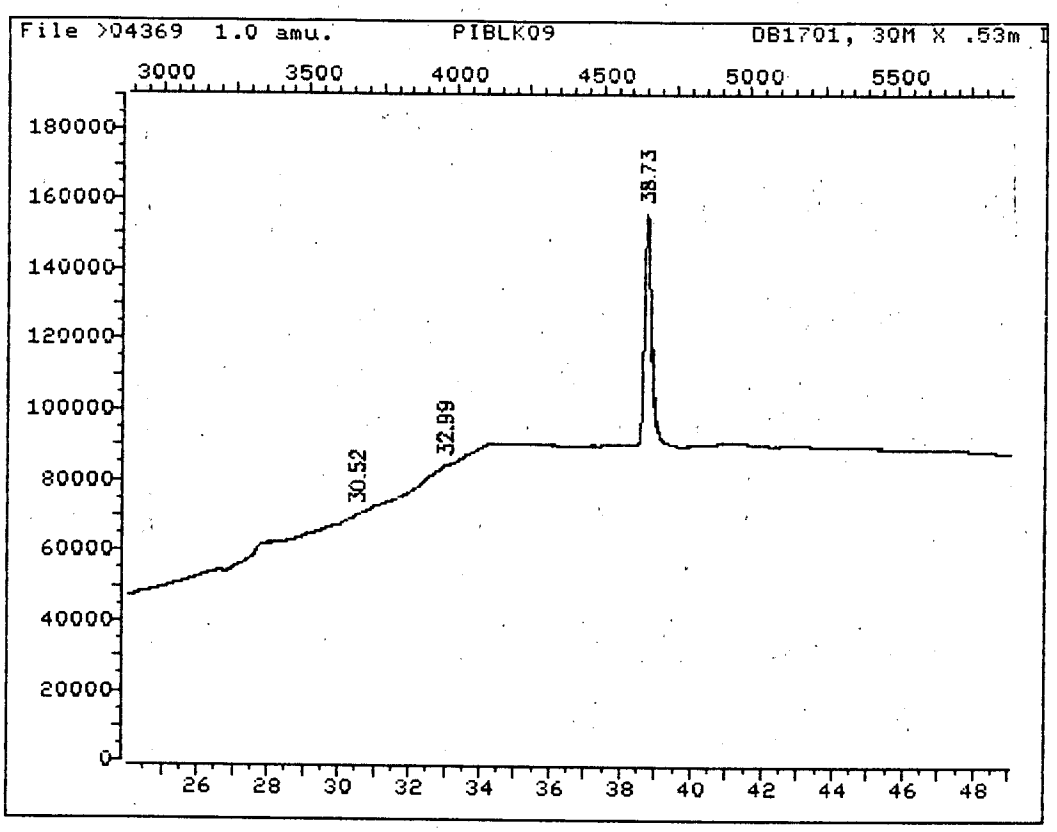

Data File: >04369::G1 Quant Output File: ^04369::GQ
Name: PIBLK09A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 11:33
Injected at: 960716 09:36

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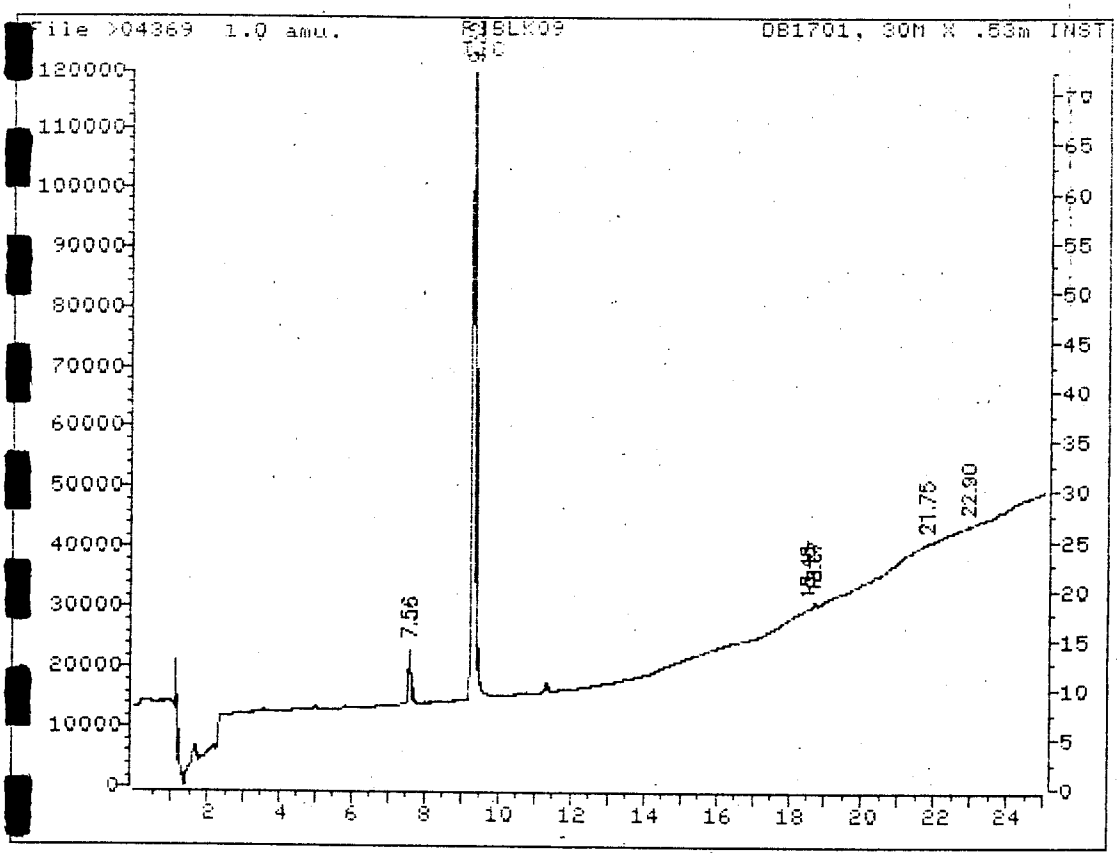
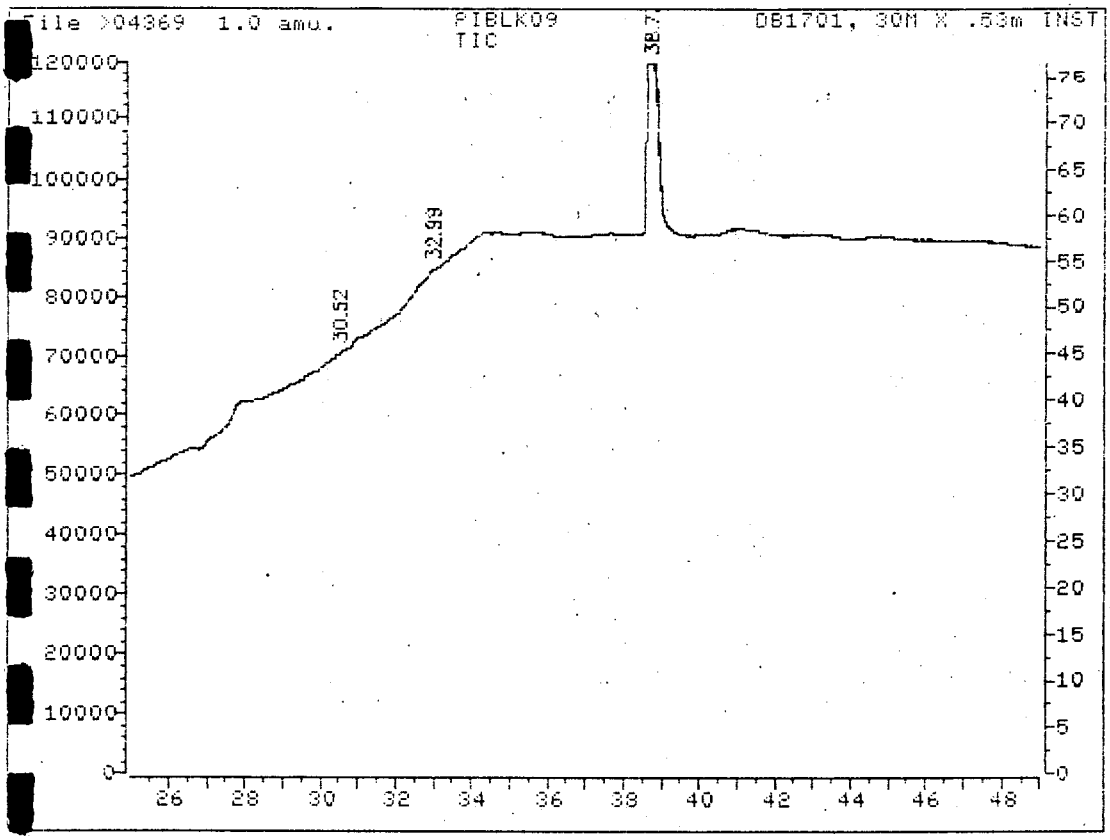


MS data file header from : >04369::G1

Sample: PIBLK09A Operator: TRFI2 7/16/96 9:36
Misc : DB1701, 30M X .53m 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 : >04369::G1

Sample: PIBLK09A Operator: TRFI2 7/16/96 9:36
Misc : DB1701, 30M X .53m 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.

PIBLK10 A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK10

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03379

% 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: 07/16/96

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

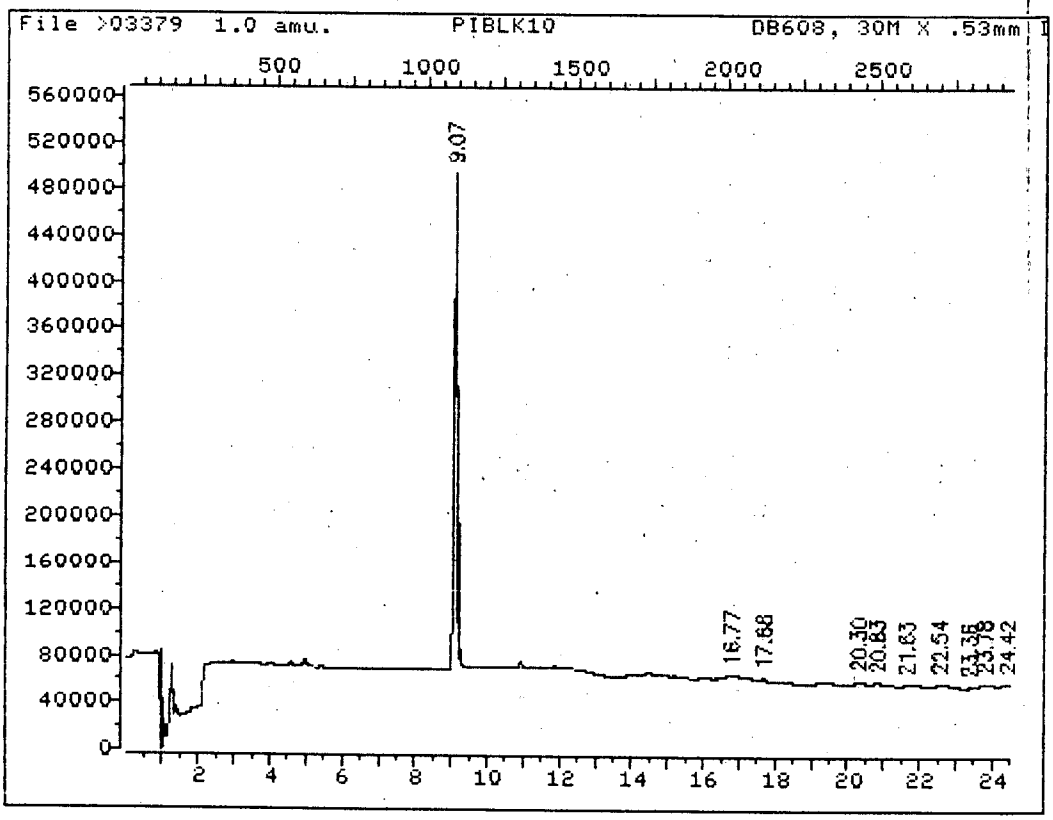
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 19:37
Output File: ^03379::GQ Injected at: 960716 18:47
Data File: >03379::F3 Dilution Factor: 1.00000
Name: PIBLK10A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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	2414308	20.18	ng/ml	100
9)	#~~Endosulfan I~~ <½ CRQL	21.63	2596	7873	.0742	ng/ml	100
12)	#~~Endrin~~ NC	24.99	2999	38952	.446	ng/ml	100
14)	#~~4,4' DDD~~ NC	25.52	3062	30309	.491	ng/ml	100
15)	#~~Endosulfan Sulfate~~ <CRQL½	28.34	3401	32166	.366	ng/ml	100
17)	#~~Methoxychlor~~ <CRQL½	32.39	3886	21094	.530	ng/ml	100
19)	#Decachlorobiphenyl	41.63	4996	2305969	19.94	ng/ml	100
20)	#~~alpha-Chlordane~~ NC	21.63	2596	7873	.0653	ng/ml	100
21)	#~~gamma-Chlordane~~ NC	20.83	2500	12114	.100	ng/ml	100
22)	#~~Toxaphene(1)~~ NP	23.78	2853	36046	22.56	ng/ml	100
28)	#~~Aroclor-1254(1)~~ NP	20.83	2500	12114	2.44	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.42	2930	11621	1.82	ng/ml	100
30)	#~~Endrin aldehyde~~ NC	27.47	3296	11726	.145	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	27.47	3296	11726	7.02	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.34	3401	32166	15.17	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.77	2013	46070	11.97	ng/ml	100
42)	#~~Aroclor-1232(4)~~ NP	16.77	2013	46070	26.36	ng/ml	100
45)	#~~Aroclor-1242(4)~~ NP	16.77	2013	46070	13.92	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	17.68	2121	22345	7.00	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.30	2436	21833	5.31	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.63	2596	7873	1.80	ng/ml	100
52)	#~~Aroclor-1254(3)~~ NP	22.54	2705	25716	13.92	ng/ml	100
53)	#~~Aroclor-1254(4)~~ NP	23.36	2803	6869	1.06	ng/ml	100
54)	#~~Aroclor-1254(5)~~ NP	24.99	2999	38952	10.66	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	24.99	2999	38952	5.47	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.58	3189	261062	56.71	ng/ml	100

Compound uses ESTD

Epm
7/22/96



Data File: >03379::F3 Quant Output File: ^03379::GQ
Name: PIBLK10A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 19:37
Injected at: 960716 18:47

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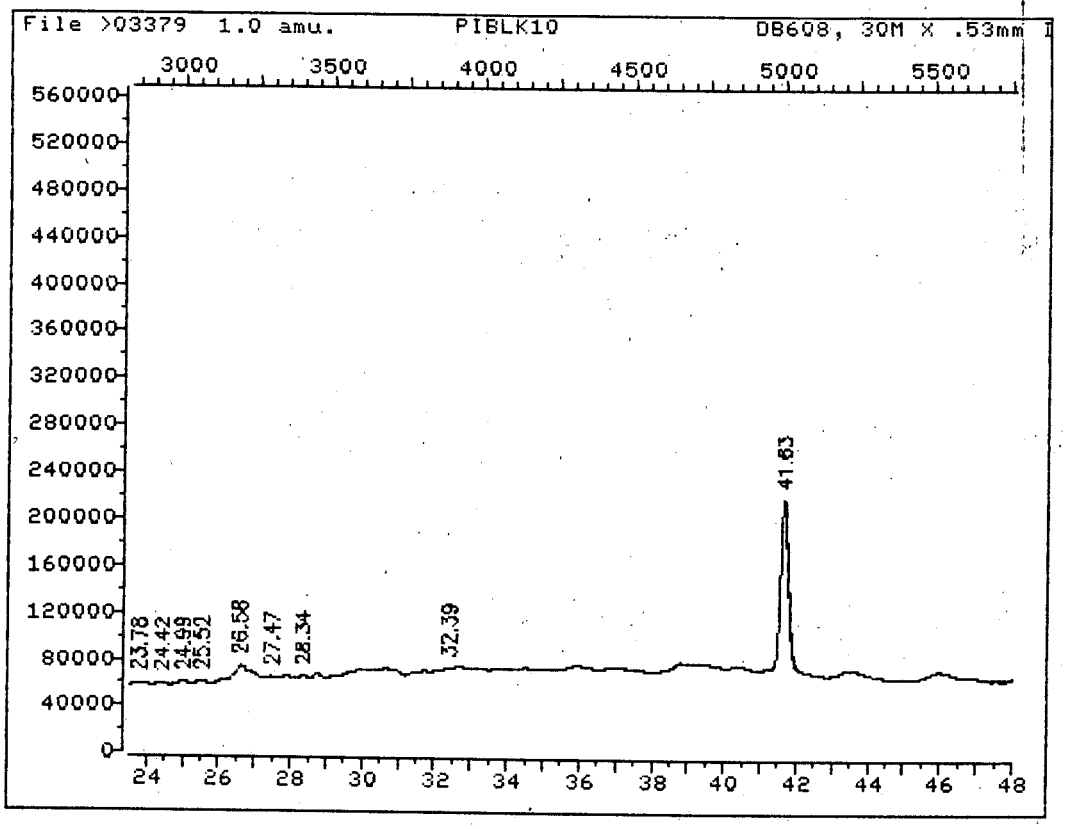

Data File: >03379::F3 Quant Output File: ^03379::GQ
Name: PIBLK10A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 19:37
Injected at: 960716 18:47

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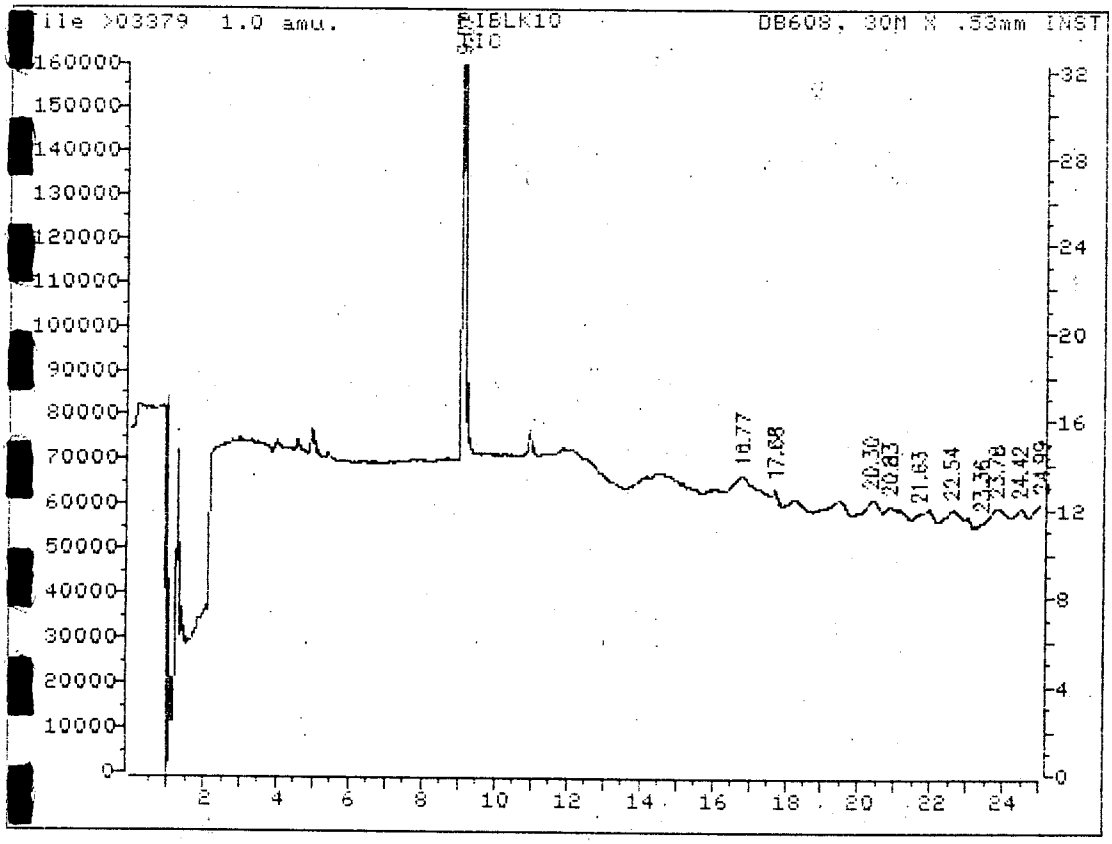
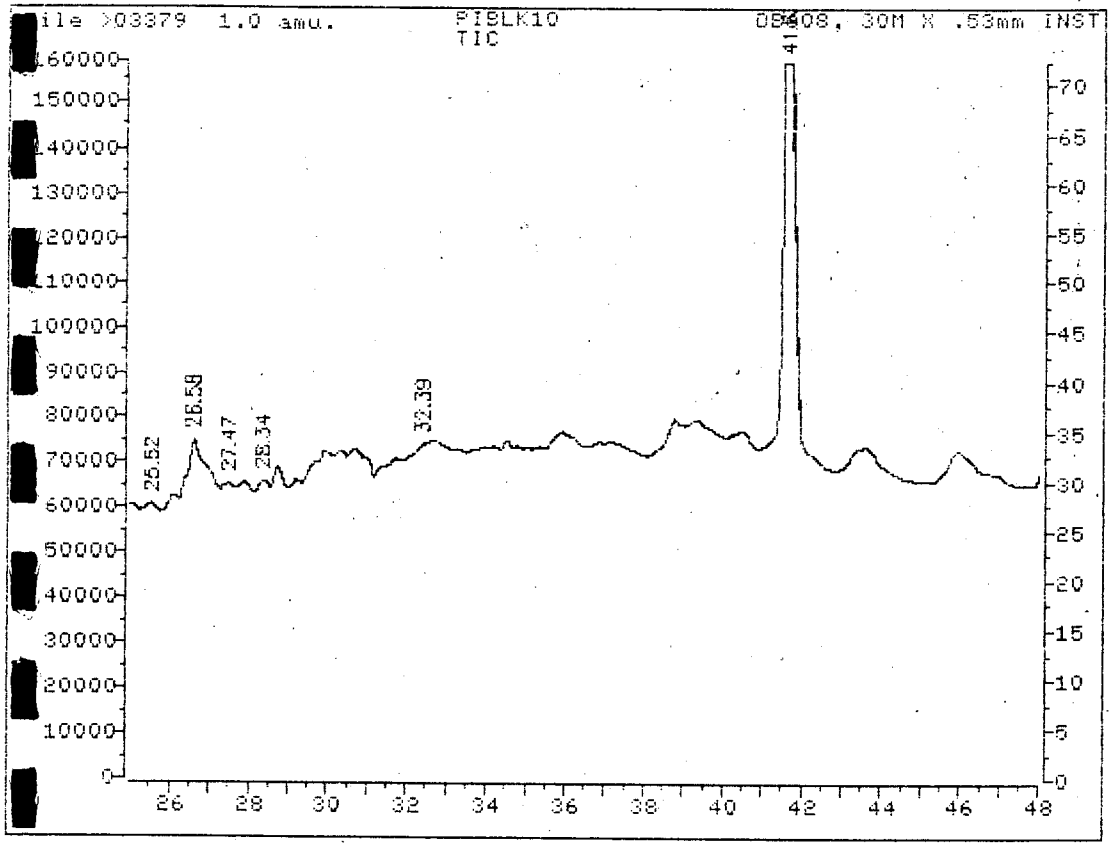


MS data file header from : >03379::F3

Sample: PIBLK10A Operator: TRFI2 7/16/96 18:47
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 : >03379::F3

ample: PIBLK10A Operator: TRFI2 7/16/96 18:47
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

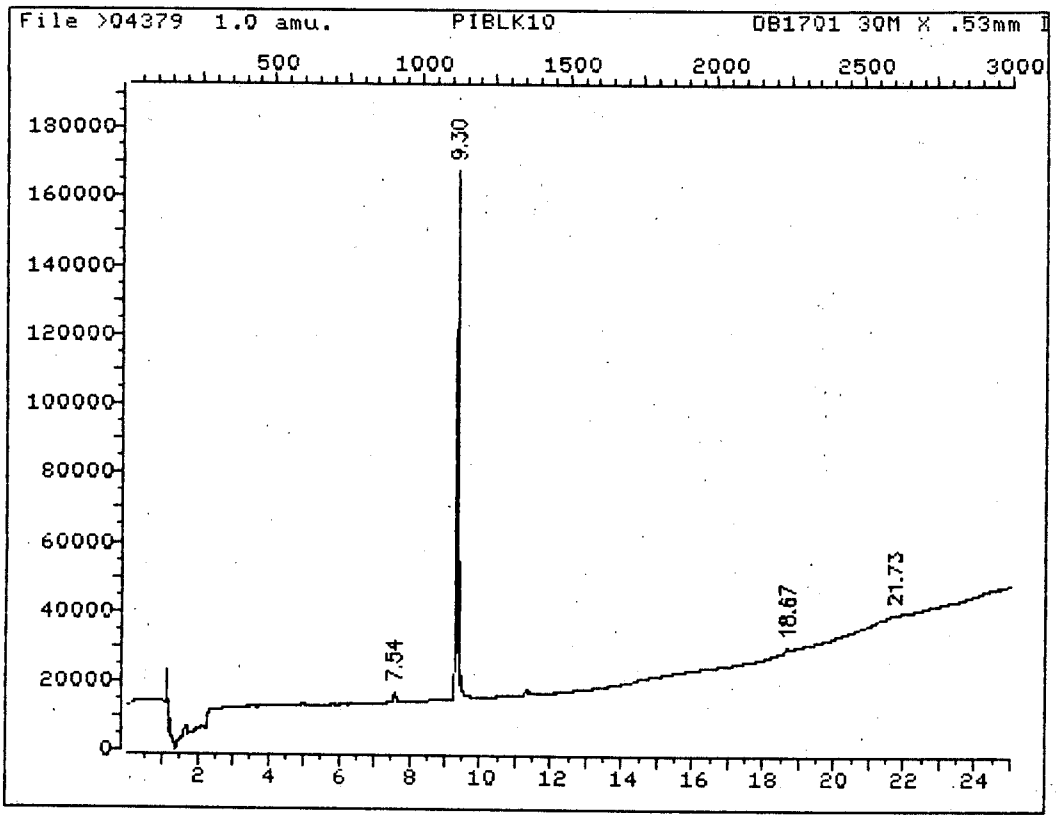
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 19:38
Output File: ^04379::GQ Injected at: 960716 18:47
Data File: >04379::G1 Dilution Factor: 1.00000
Name: PIBLK10A Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

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	9.30	1116	827178	20.22	ng/ml	100
3)	#~~beta-BHC~~ NC	18.67	2240	71055	2.83	ng/ml	100
9)	#~~Endosulfan~~ I NC	21.73	2607	60072	1.72	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	30.74	3689	41101	1.50	ng/ml	100
17)	#~~Methoxychlor~~ NC	30.74	3689	41101	3.07	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	941156	20.52	ng/ml	100
24)	#~~Aroclor 1221(1)~~ NP	7.54	905	15255	19.96	ng/ml	100
25)	#Ar~~oclor-1232(1~~) NP	7.54	905	15255	13.82	ng/ml	100
37)	#Aroclor-1016(5) NP	18.67	2240	80496	41.20	ng/ml	100
48)	#Ar~~oclor 1248(3)~~ NP	18.67	2240	80496	33.26	ng/ml	100

Compound uses ESTD

EPMa
7/22/96



Data File: >04379::G1 Quant Output File: ^04379::GQ
Name: PIBLK10A Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 19:38
Injected at: 960716 18:47

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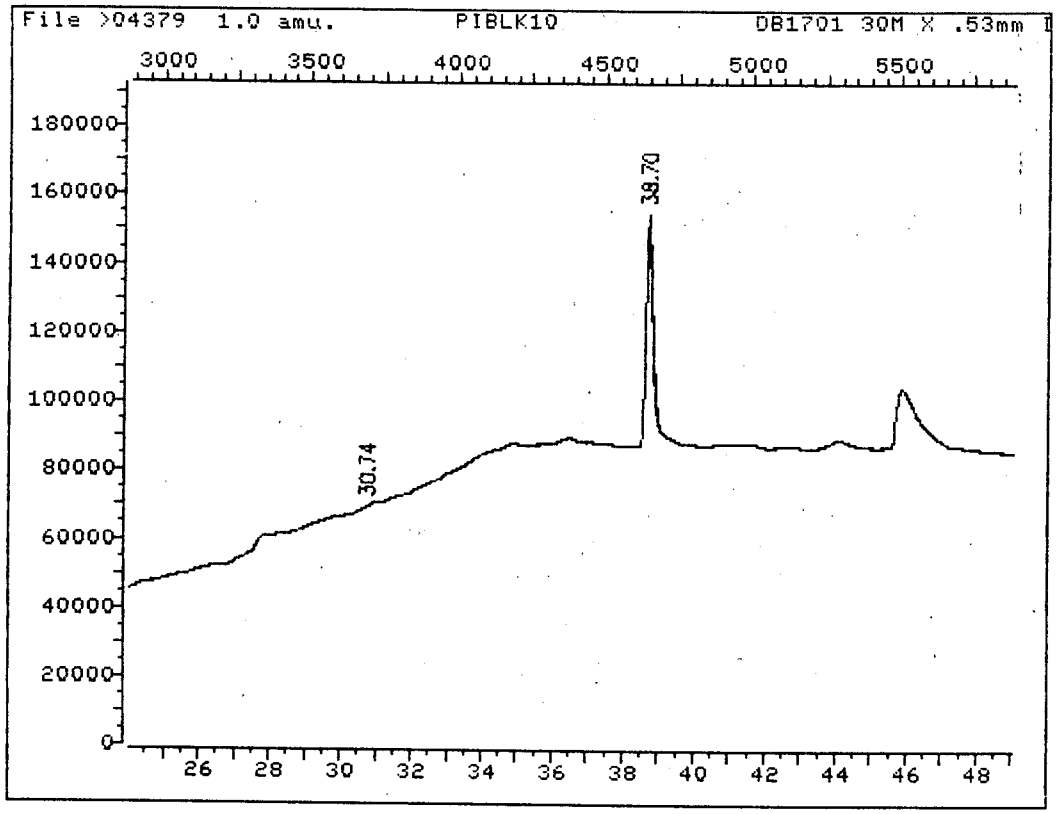

Data File: >04379::G1 Quant Output File: ^04379::GQ
Name: PIBLK10A Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 19:38
Injected at: 960716 18:47

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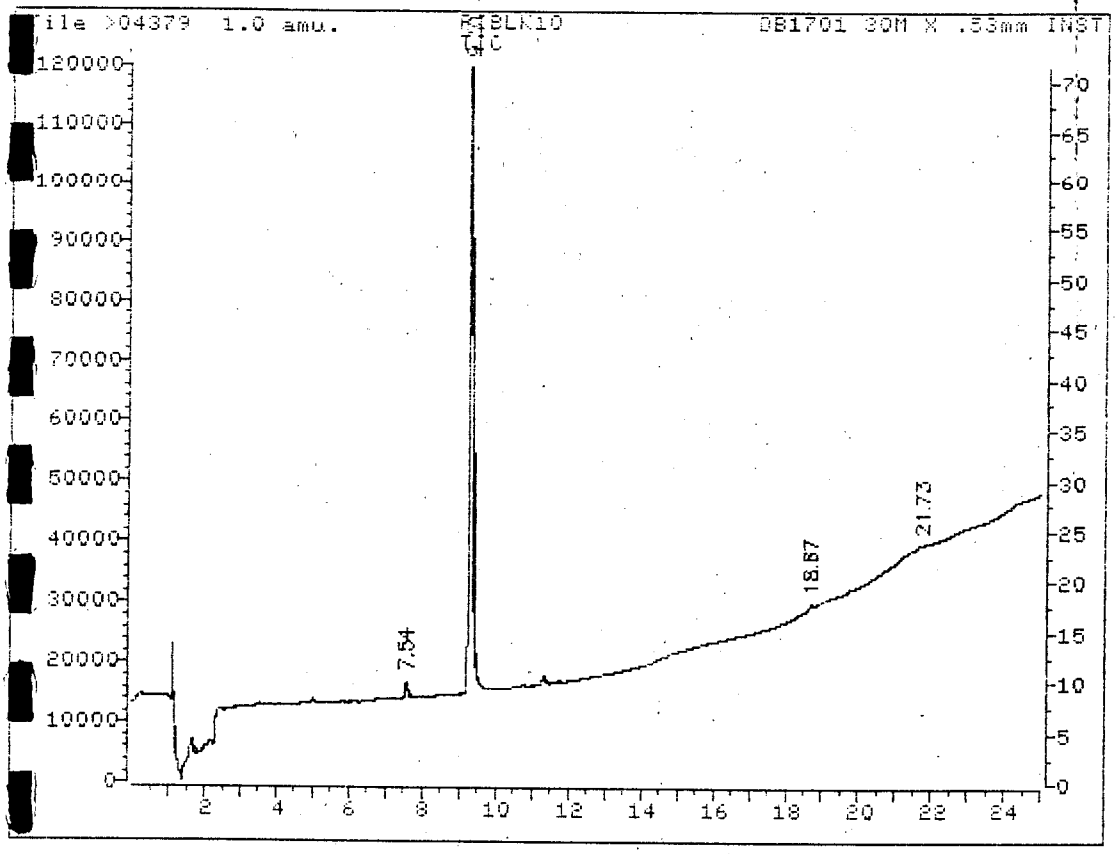
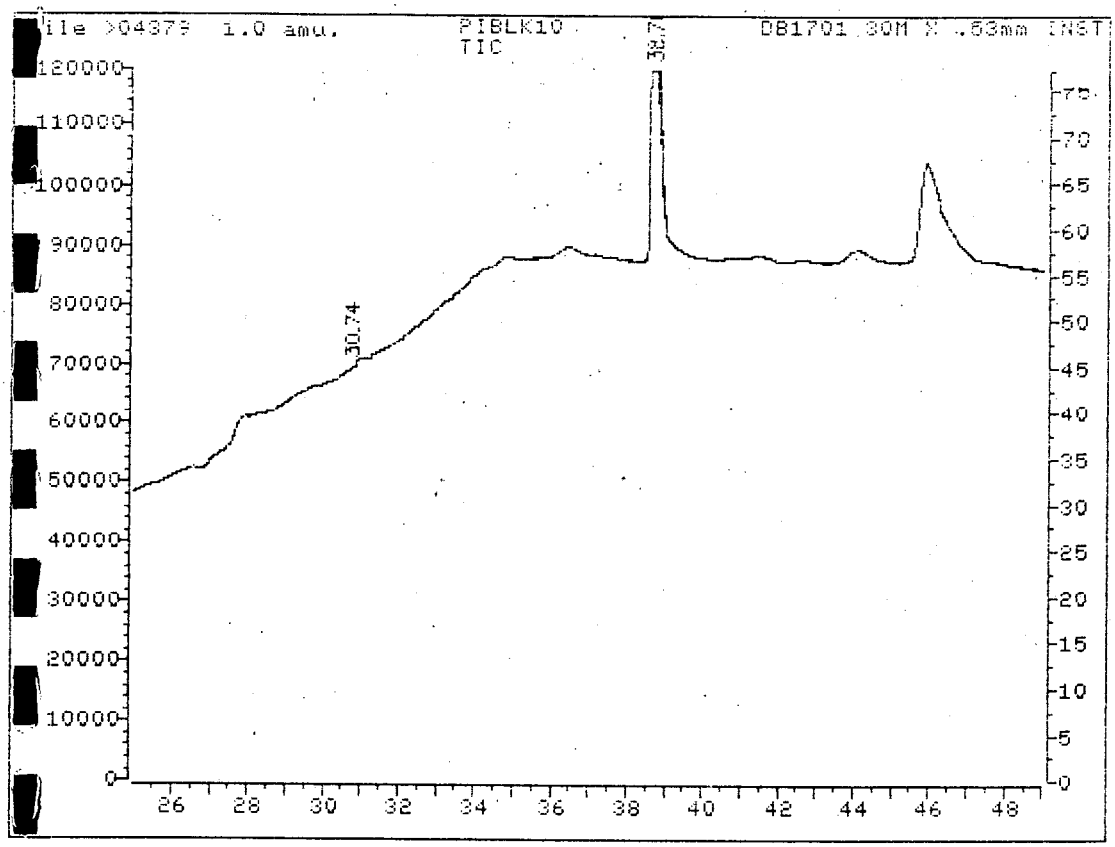


MS data file header from : >04379::G1

Sample: PIBLK10A Operator: TRFI2 7/16/96 18:47
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 : >04379::G1

Sample: PIBLK10A Operator: TRFI2 7/16/96 18:47
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.

PIBLK11A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK11

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03380

% 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: 07/16/96

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: ^03380::GQ
Data File: >03380::F3
Name: PIBLK11A
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

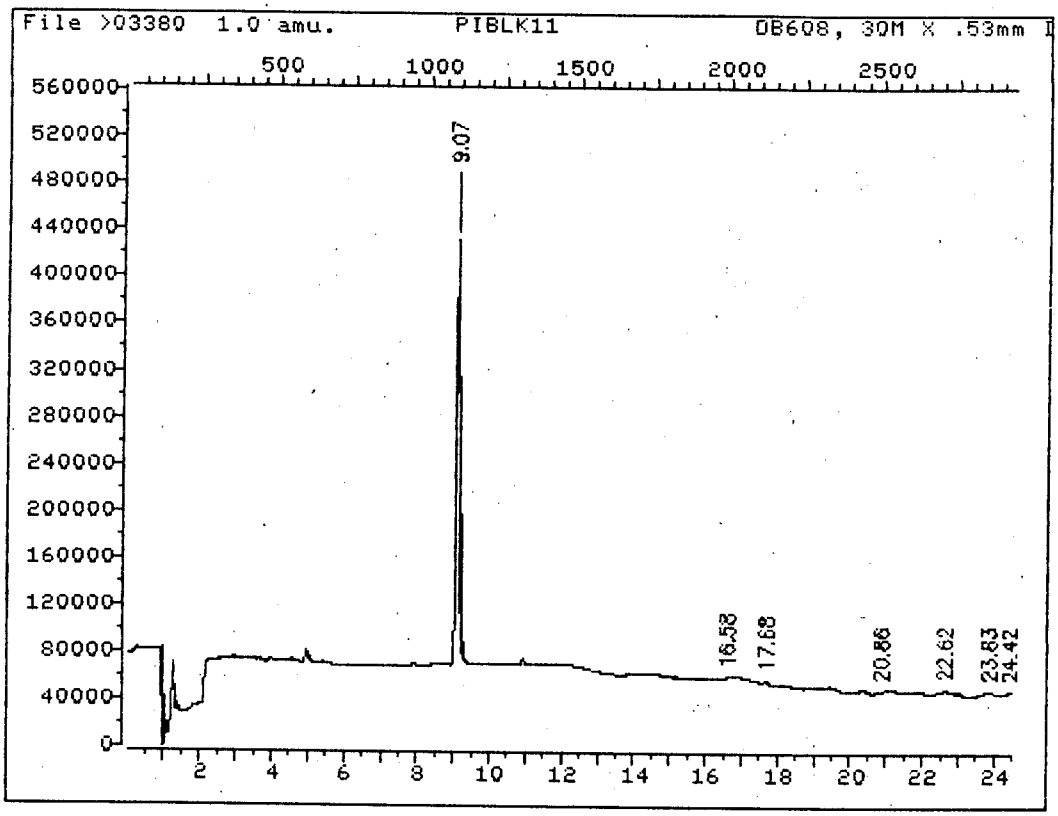
Quant Rev: 7
Quant Time: 960716 20:32
Injected at: 960716 19:42
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1088	2434002	20.35	ng/ml	100
4)	~~#delta-BHC~~ NC	16.58	1990	10346	.0804	ng/ml	100
12)	~~#Endrin~~ NC	24.94	2992	23637	.270	ng/ml	100
14)	~~#4,4'-DDD~~ <CRQL½	25.50	3060	7989	.129	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.34	3400	41868	.476	ng/ml	100
19)	#Decachlorobiphenyl	41.64	4997	2351256	20.34	ng/ml	100
21)	~~#gamma-Chlordane~~ <CRQL½	20.86	2503	11834	.0979	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.83	2860	50346	31.51	ng/ml	100
28)	~~#Aroclor-1254(1)~~ NP	20.86	2503	11834	2.38	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.42	2930	16071	2.51	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.34	3400	41868	19.74	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	30.34	3640	7885	4.04	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.68	2121	39508	12.37	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	22.62	2714	77965	42.21	ng/ml	100
54)	~~#Aroclor-1254(5)~~ NP	24.94	2992	23637	6.47	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.94	2992	23637	3.32	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.59	3191	171548	37.27	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.34	3640	7885	.720	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	33.03	3963	11265	2.29	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >03380::F3 Quant Output File: ^03380::GQ
Name: PIBLK11A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 20:32
Injected at: 960716 19:42

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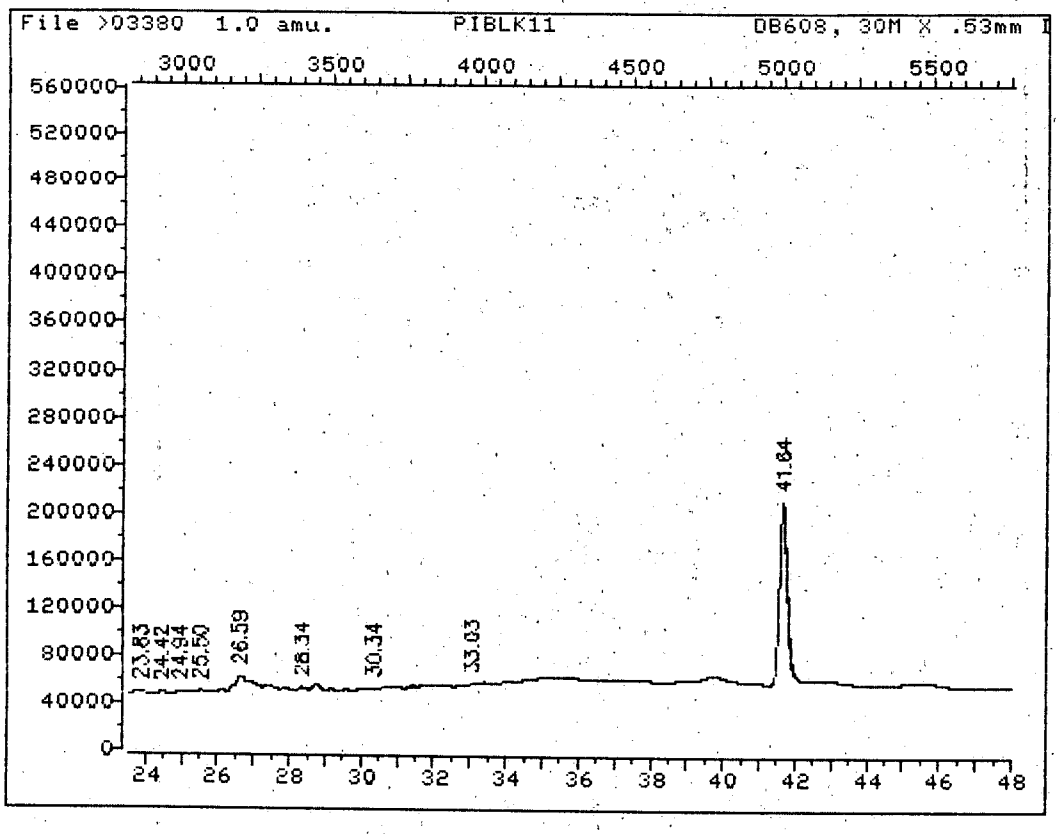

Data File: >03380::F3 Quant Output File: ^03380::GQ
Name: PIBLK11A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 20:32
Injected at: 960716 19:42

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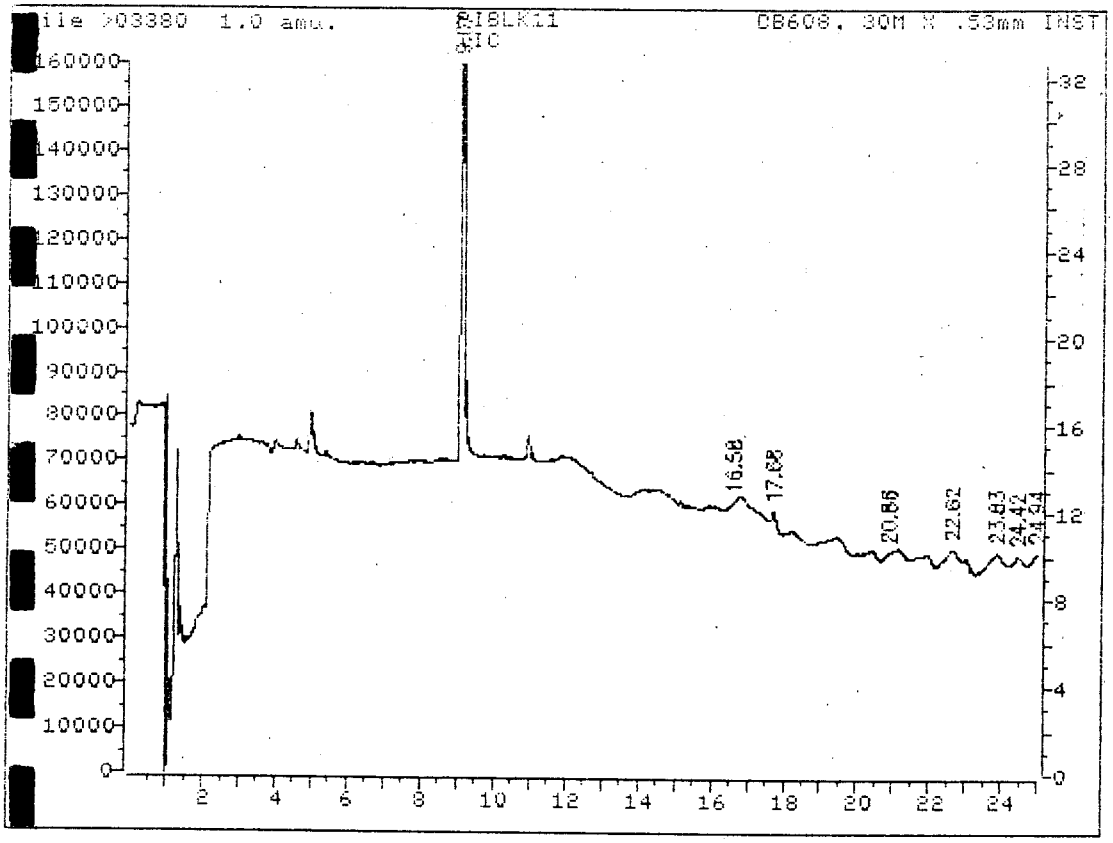
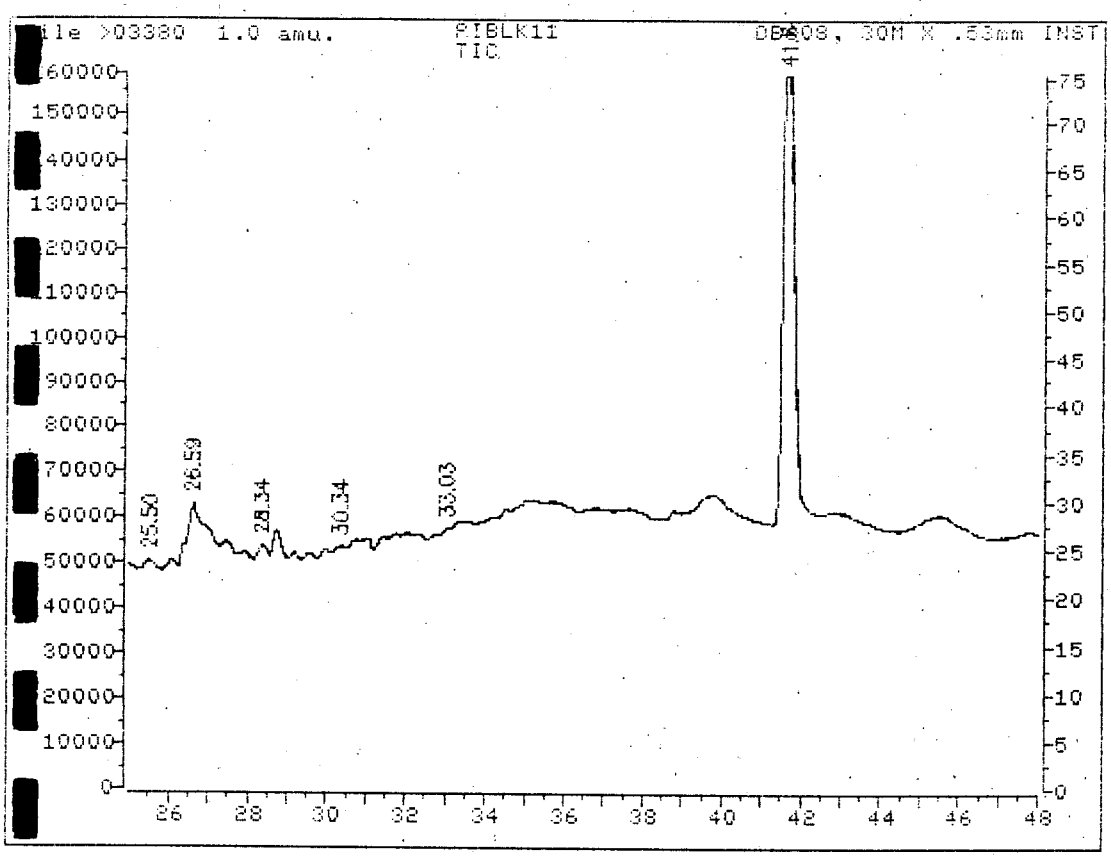


MS data file header from : >03380::F3

Sample: PIBLK11A Operator: TRFI2 7/16/96 19:42
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 : >03380::F3

Sample: PIBLK11A Operator: TRFI2 7/16/96 19:42
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: ^04380::GQ
Data File: >04380::G1
Name: PIBLK11A
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

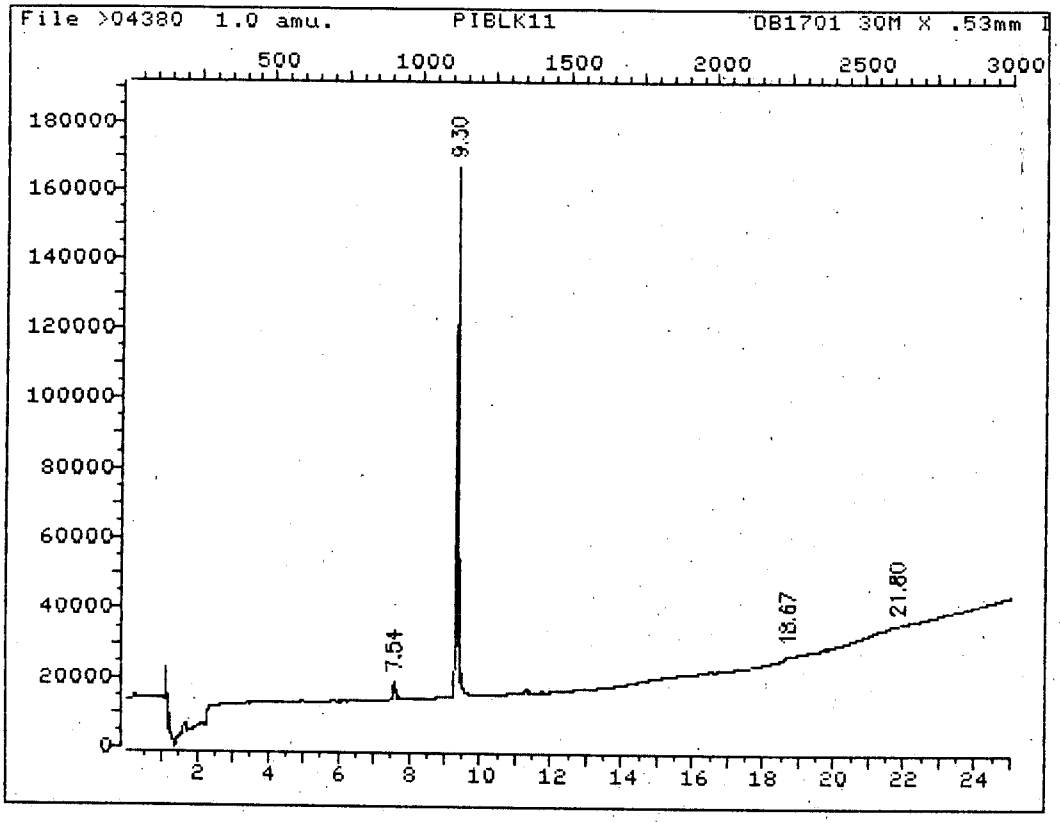
Quant Rev: 7
Quant Time: 960716 20:34
Injected at: 960716 19:42
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	831054	20.31	ng/ml	100
3)	~~#beta BHC~~ NC	18.67	2240	56772	2.26	ng/ml	100
9)	~~#Endosulfan I~~ NC	21.80	2616	62961	1.80	ng/ml	100
13)	~~#Endosulfan II~~ NC	26.59	3190	29974	.876	ng/ml	100
14)	~~#4,4' DDD~~ NC	26.59	3190	56739	2.95	ng/ml	100
16)	~~#4,4'-DDT~~ NC	27.28	3273	40240	2.30	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.99	3718	110562	8.26	ng/ml	100
18)	~~#Endrin ketone~~ NC	32.94	3952	51332	1.62	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	906434	19.77	ng/ml	100
21)	~~#gamma Chlordane~~ NC	21.80	2616	24377	.608	ng/ml	100
24)	~~#Aroclor 1221(1)~~ NP	7.54	905	26987	35.30	ng/ml	100
25)	~~#Aroclor 1232(1)~~ NP	7.54	905	26987	24.45	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.67	2240	65381	33.46	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.67	2240	65381	27.01	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >04380::G1 Quant Output File: ^04380::GQ
Name: PIBLK11A Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 20:34
Injected at: 960716 19:42

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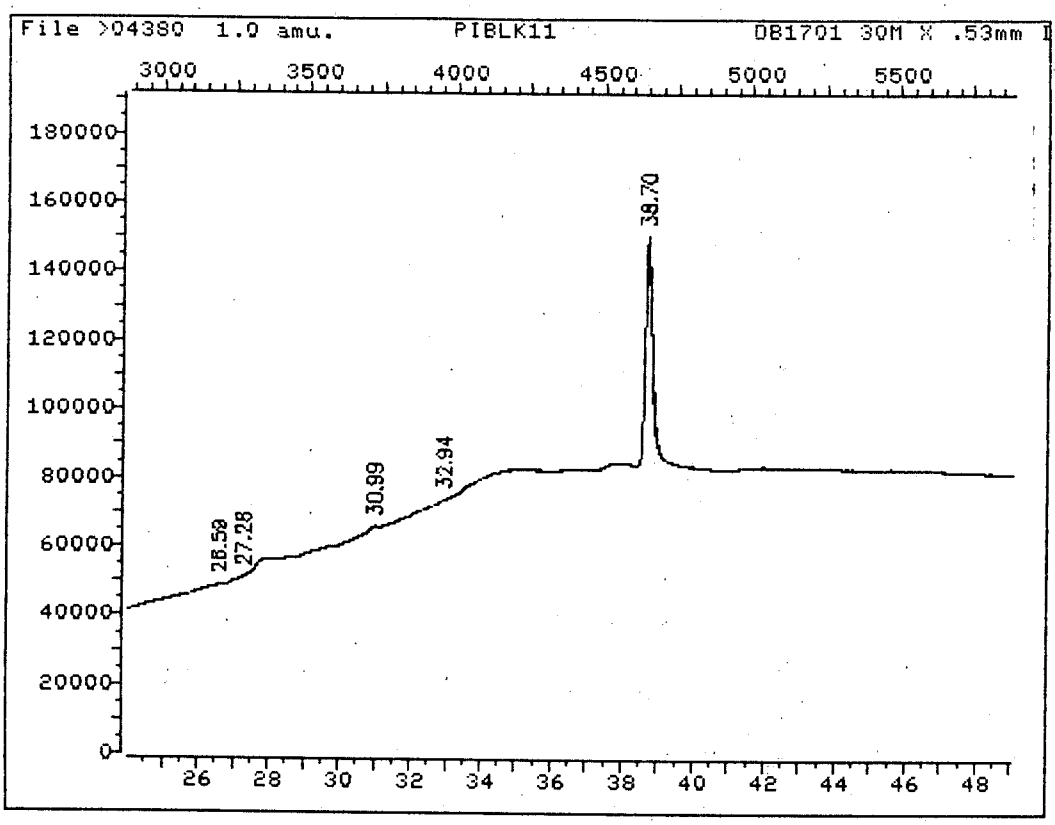

Data File: >04380::G1 Quant Output File: ^04380::GQ
Name: PIBLK11A Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960716 20:34
Injected at: 960716 19:42

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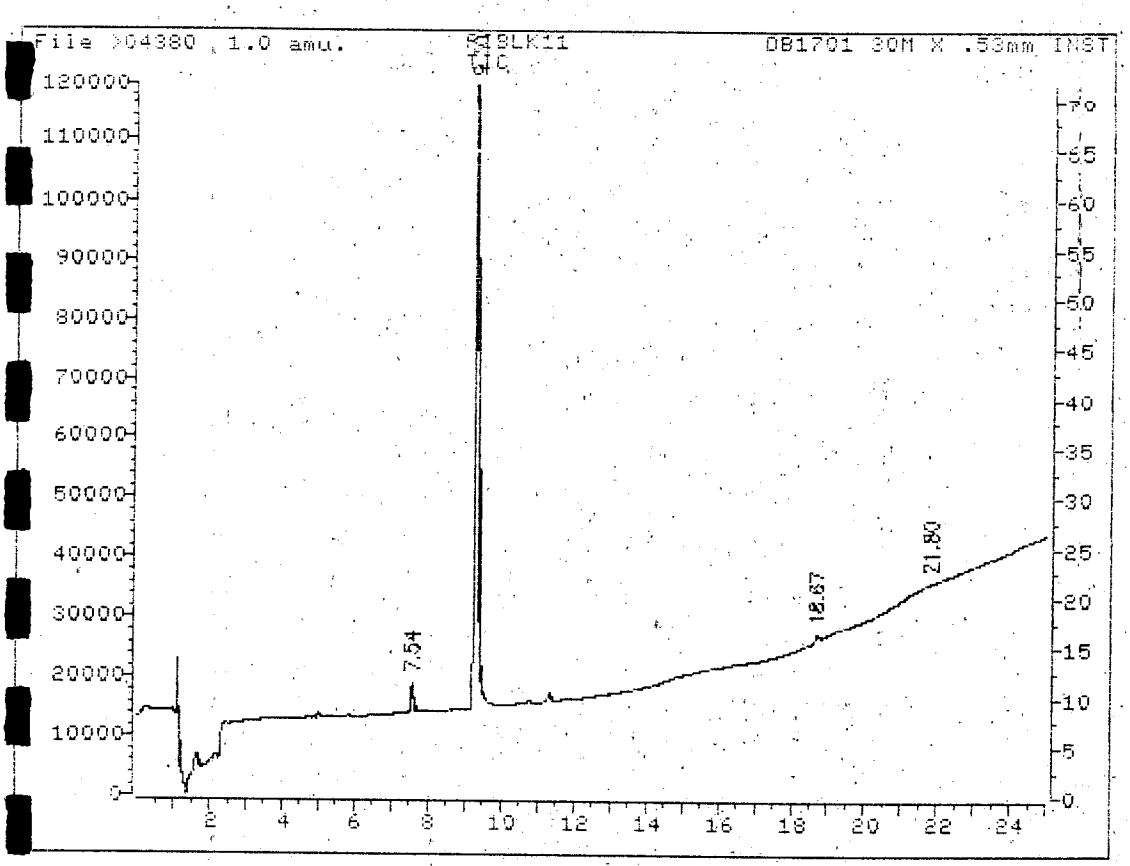
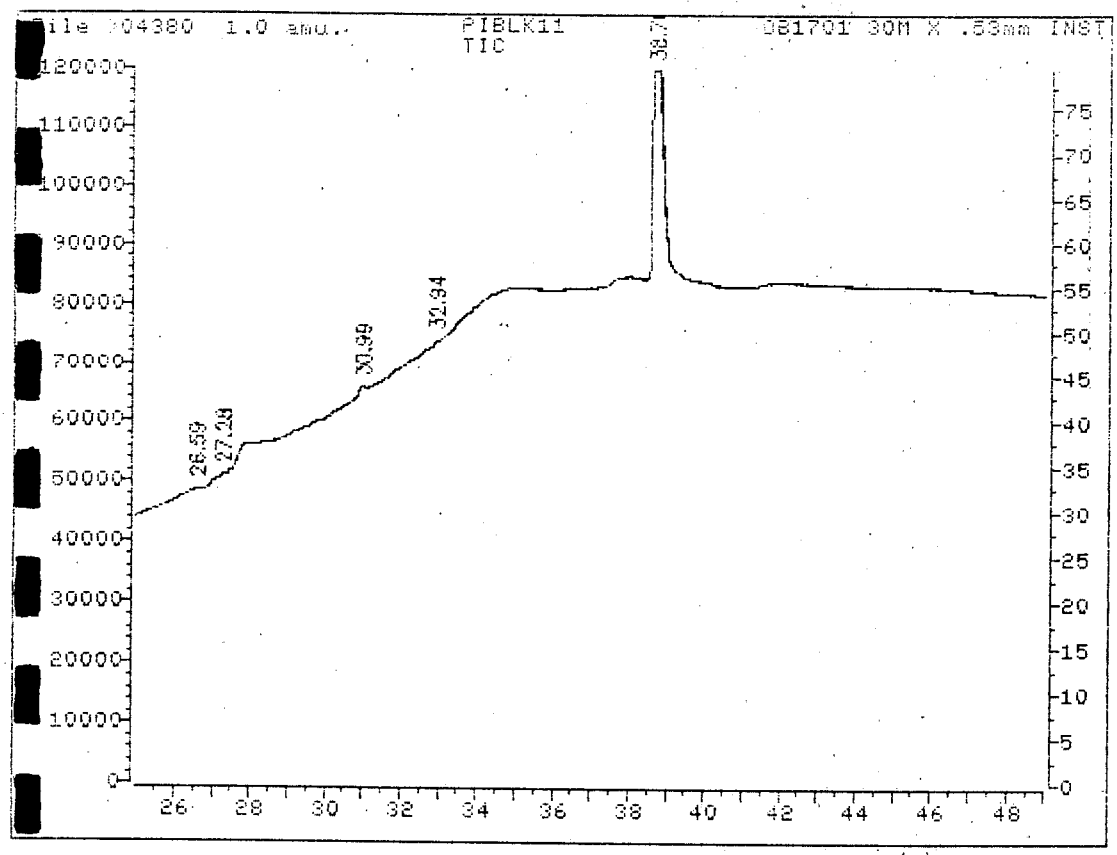


MS data file header from : >04380::G1

Sample: PIBLK11A Operator: TRFI2 7/16/96 19:42
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 : >04380::G1

Sample: PIBLK11A Operator: TRFI2 7/16/96 19:42
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.

PIBLK12A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK12

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03394

% 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: 07/17/96

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: ^03394::GQ
Data File: >03394::G2
Name: PIBLK12A
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

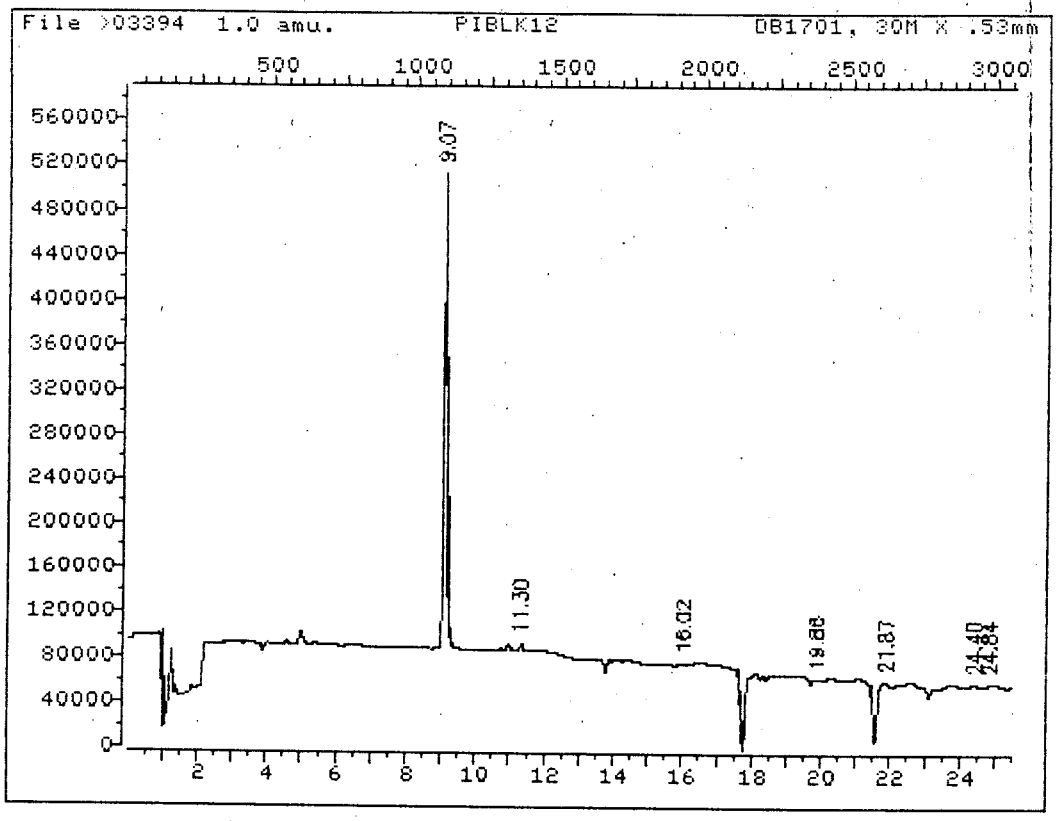
Quant Rev: 7
Quant Time: 960719 13:33
Injected at: 960717 07:39
Dilution Factor: 1.00000
Instrument ID: GC03

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	2436511	20.37	ng/ml	100
6)	#~~Heptachlor~~ NC	16.02	1923	25400	.242	ng/ml	100
8)	#~~Heptachlor epoxide~~ NC	19.86	2383	35362	.283	ng/ml	100
12)	#~~Endrin~~ NC	24.84	2981	12811	.147	ng/ml	100
14)	#~~4,4'-DDD~~ <CRQL½	25.51	3061	25457	.412	ng/ml	100
15)	#~~Endosulfan Sulfate~~ <½CRQL	28.26	3391	61633	.701	ng/ml	100
16)	#~~4,4' DDT~~ NC	27.12	3254	80206	1.18	ng/ml	100
19)	#Decachlorobiphenyl	41.64	4997	2462062	21.29	ng/ml	100
27)	#~~Aroclor-1248~~(1) NP	16.02	1923	25400	3.37	ng/ml	100
29)	#~~Aroclor-1260~~(1) NP	24.40	2928	25913	4.05	ng/ml	100
32)	#~~Toxaphene~~(3) NP	28.26	3391	61633	29.06	ng/ml	100
35)	#~~Aroclor-1016~~(3) NP	16.02	1923	25400	2.27	ng/ml	100
38)	#~~Aroclor-1221~~(2) NP	11.30	1356	46091	28.36	ng/ml	100
41)	#~~Aroclor-1232~~(3) NP	16.02	1923	25400	5.44	ng/ml	100
44)	#~~Aroclor-1242~~(3) NP	16.02	1923	25400	2.86	ng/ml	100
50)	#~~Aroclor-1248~~(5) NP	21.87	2624	1260413	287.80	ng/ml	100
54)	#~~Aroclor-1254~~(5) NP	24.84	2981	12811	3.51	ng/ml	100
55)	#~~Aroclor-1260~~(2) NP	24.84	2981	12811	1.80	ng/ml	100
58)	#~~Aroclor-1260~~(5) NP	33.01	3961	6646	1.35	ng/ml	100

Compound uses ESTD

EPrn
7/22/96

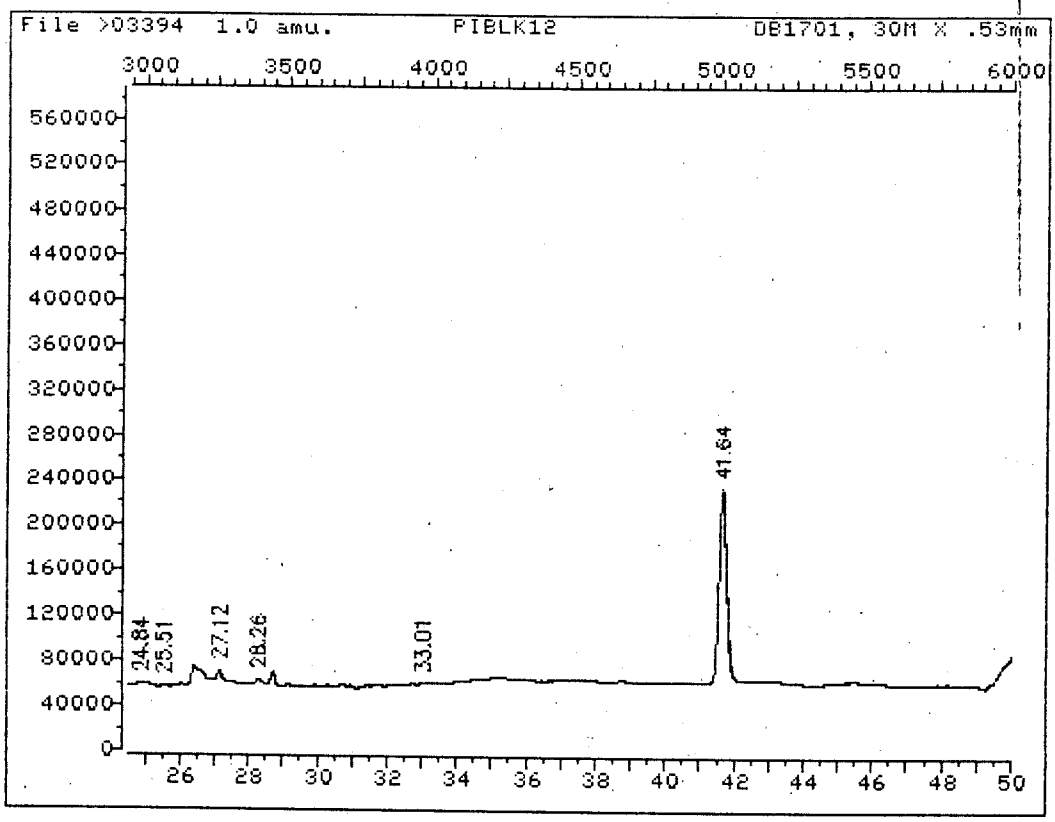


Data File: >03394::G2 Quant Output File: ^03394::GQ
Name: PIBLK12A Instrument ID: GC03
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 13:33
Injected at: 960717 07:39

Page 1 of 2

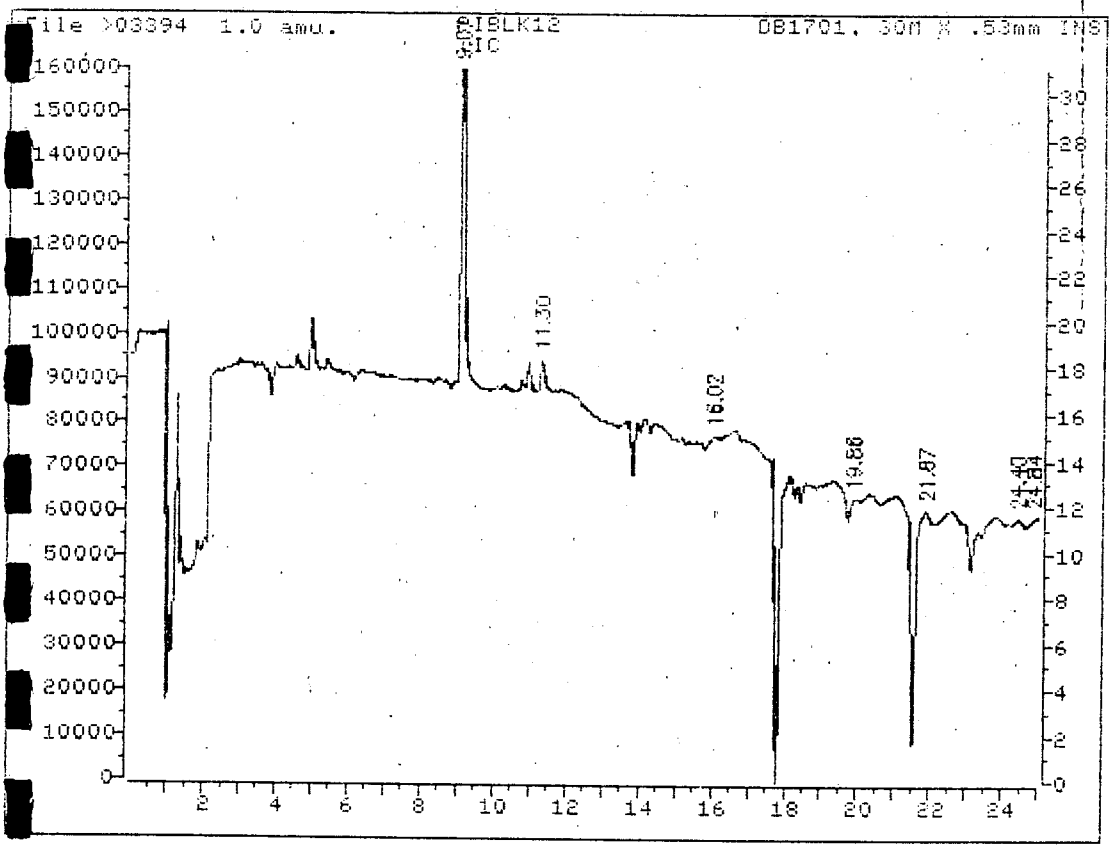


Data File: >03394::G2 Quant Output File: ^03394::GQ
Name: PIBLK12A Instrument ID: GC03
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 13:33
Injected at: 960717 07:39

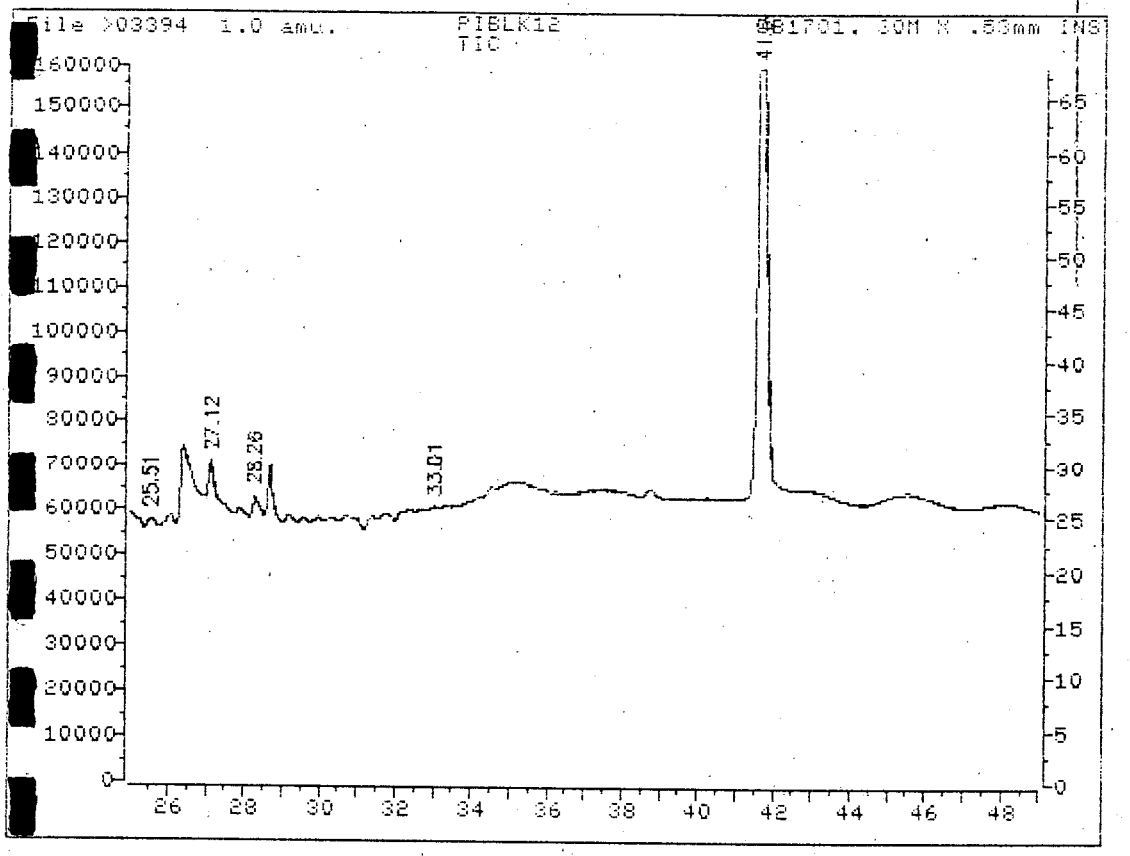
Page 2 of 2



MS data file header from : >03394::G2

Sample: PIBLK12A Operator: TRFI2 7/17/96 7:39
Misc : DB1701, 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 : >03394::G2

Sample: PIBLK12A Operator: TRFI2 7/17/96 7:39
Disc : DB1701, 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: ^04394::GQ
Data File: >04394::G4
Name: PIBLK12A
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

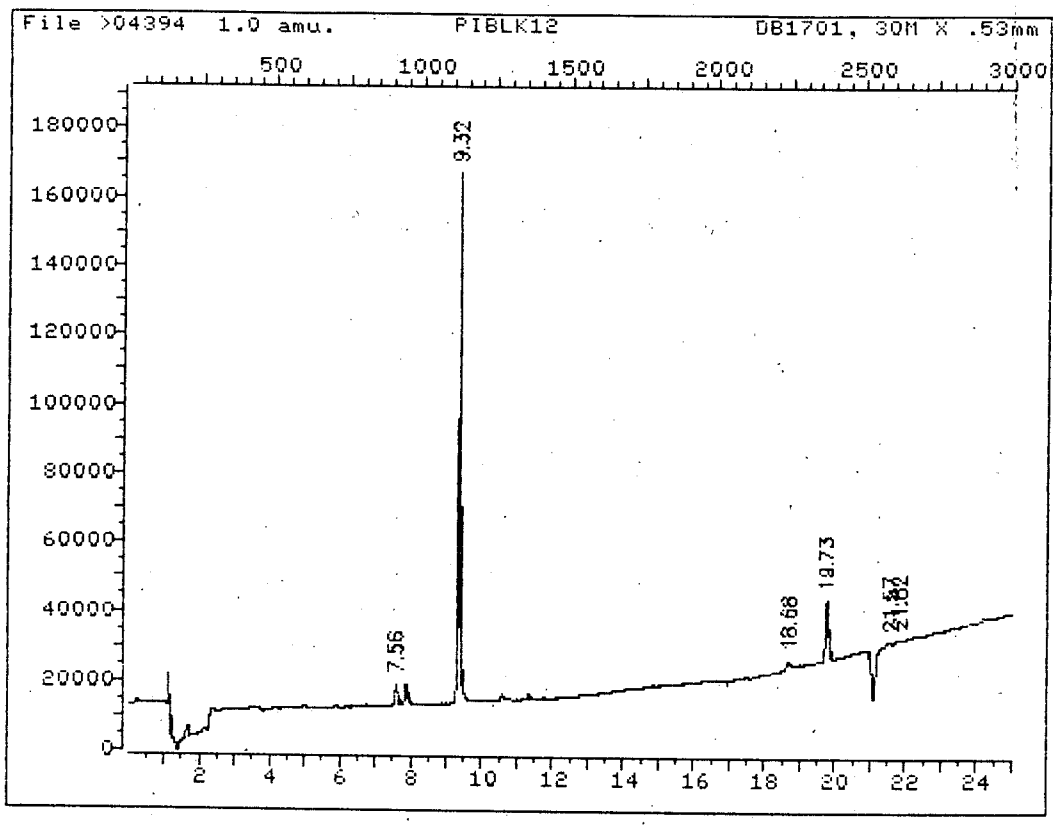
Quant Rev: 7
Quant Time: 960717 08:35
Injected at: 960717 07:39
Dilution Factor: 1.00000
Instrument ID: GC04

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	9.32	1118	843865	20.63	ng/ml	100
3)	~~#beta BHC~~ NC	18.[illegible]8	2241	18300	.729	ng/ml	100
4)	#~~delta-BHC~~ NC	19.73	2367	989[illegible]1	3.77	ng/ml	100
9)	~~#Endosulfan I~~ NC	21.57	2588	472901	13.55	ng/ml	100
14)	~~#4,4'-DDD~~ NC	26.54	3184	35159	1.83	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	30.52	3662	53303	1.94	ng/ml	100
17)	#~~Methoxychlor~~ NC	30.88	3705	34886	2.61	ng/ml	100
18)	#~~Endrin ketone~~ NC	32.91	3949	83167	2.62	ng/ml	100
19)	#Decachlorobiphenyl	38.68	4642	980620	21.38	ng/ml	100
21)	#~~gamma Chlordane~~ NC	21.82	2618	7325	.183	ng/ml	100
24)	#~~Aroclor 1221~~(1) NP	7.56	907	31559	41.29	ng/ml	100
25)	#~~Aroclor-1232~~(1) NP	7.56	907	31559	28.59	ng/ml	100
32)	#~~Toxaphene~~(3) NP	30.52	3662	73228	135.76	ng/ml	100
37)	#~~Aroclor-1016~~(5) NP	18.68	2241	18300	9.37	ng/ml	100
48)	#~~Aroclor-1248~~(3) NP	18.68	2241	18300	7.56	ng/ml	100

Compound uses ESTD

E Prue
7/22/96



Data File: >04394::G4 Quant Output File: ^04394::GQ
Name: PIBLK12A 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 08:35
Injected at: 960717 07:39

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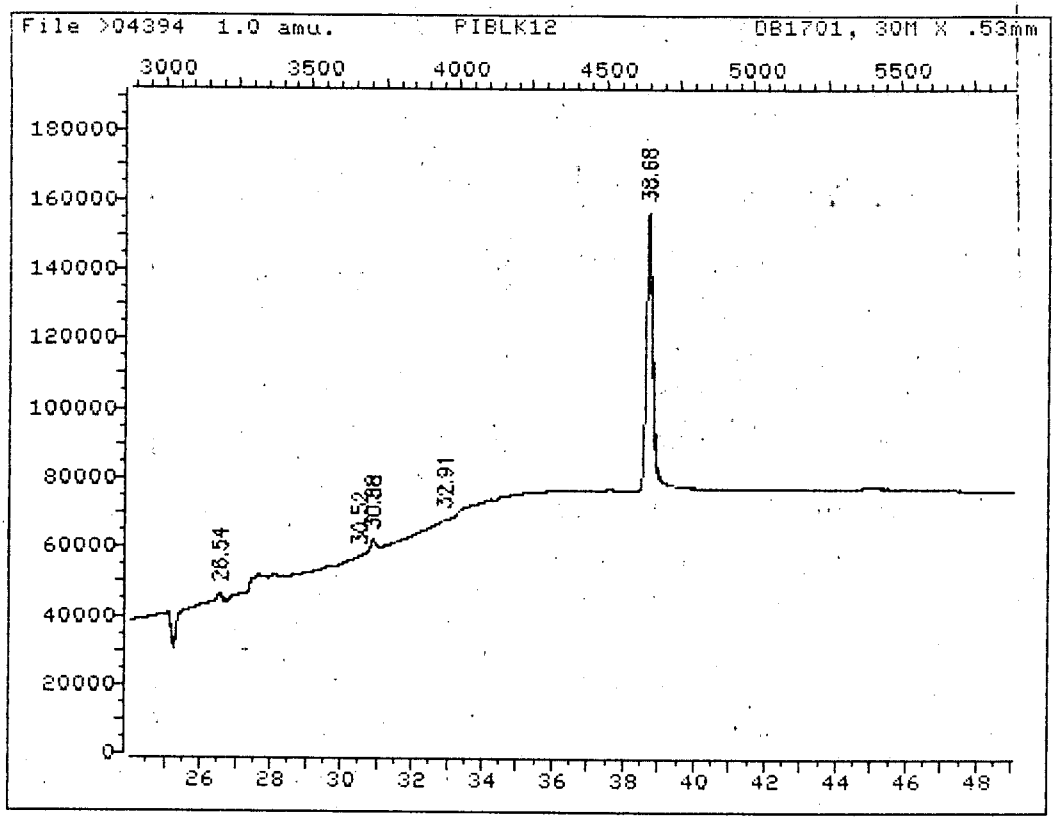
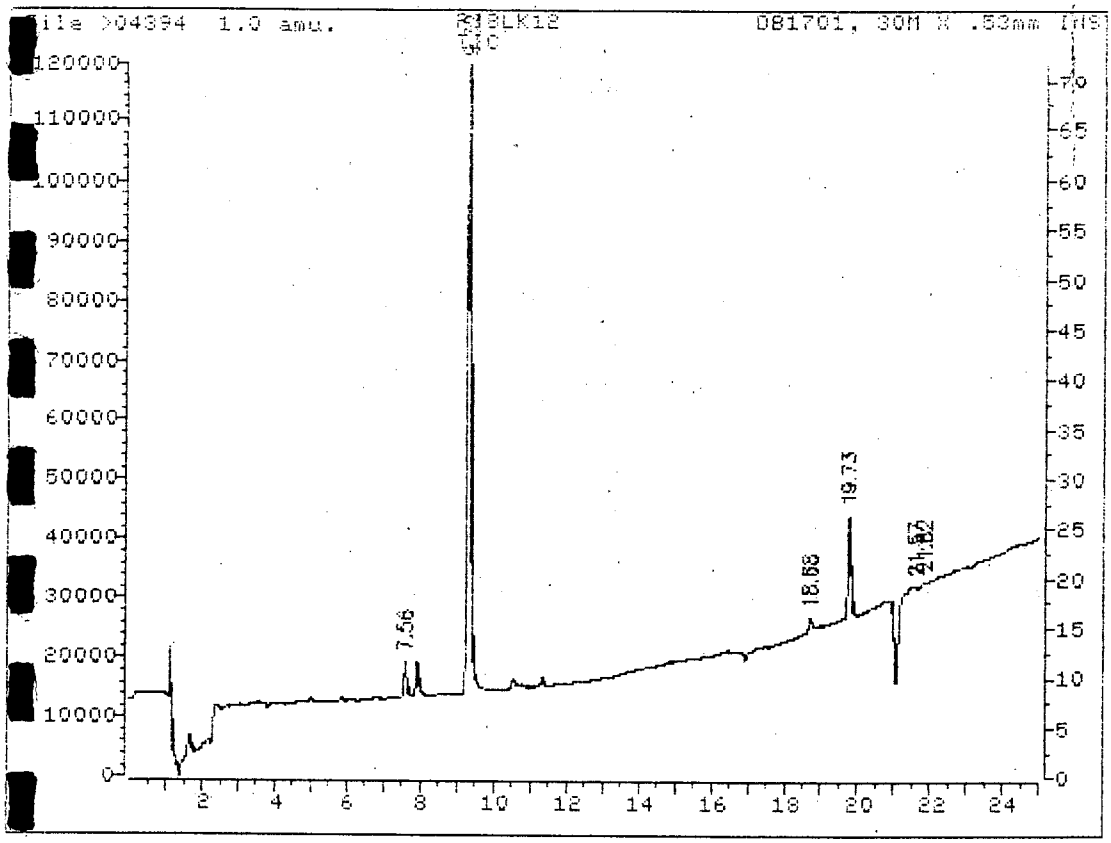


Data File: >04394::G4 Quant Output File: ^04394::GQ
Name: PIBLK12A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 08:35
Injected at: 960717 07:39

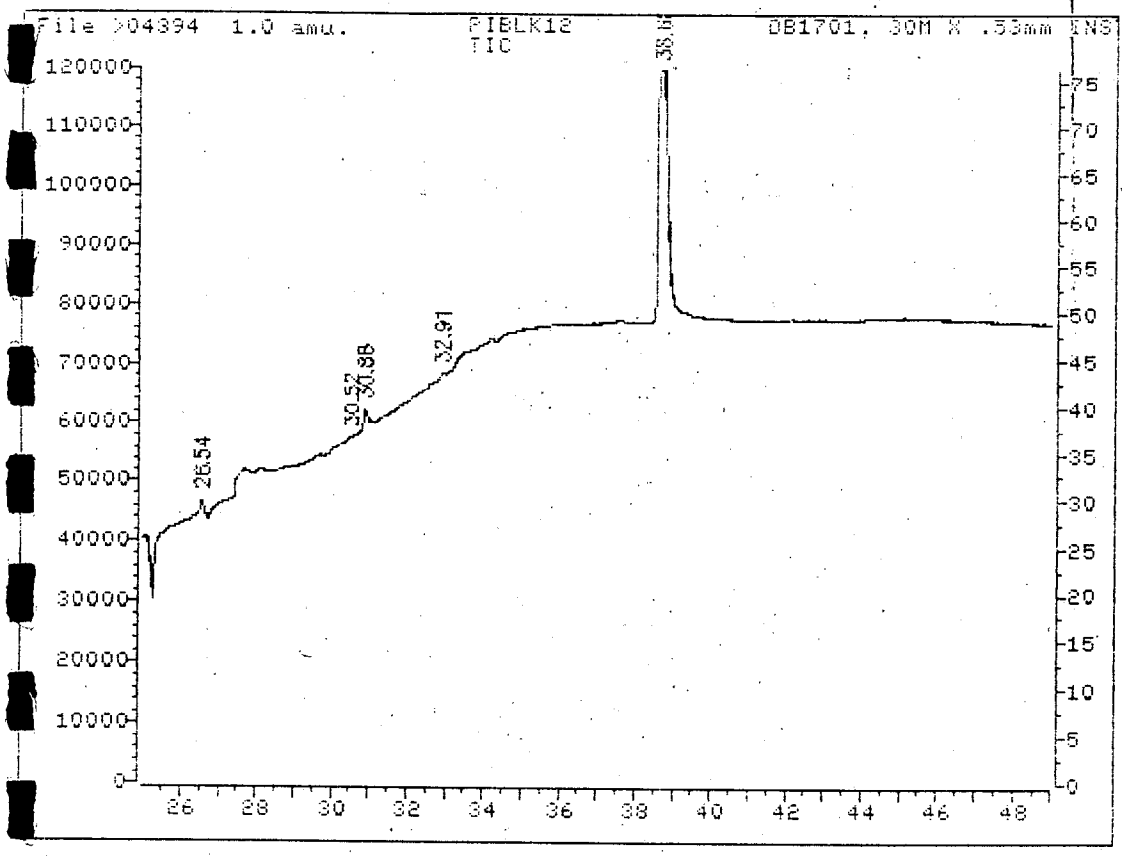
Page 2 of 2



MS data file header from : >04394::G4

Sample: PIBLK12A Operator: TRFI2 7/17/96 7:39
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 : >04394::G4

Sample: PIBLK12A Operator: TRFI2 7/17/96 7:39
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.

PIBLK13 A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK13

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03405

% 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: 07/17/96

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

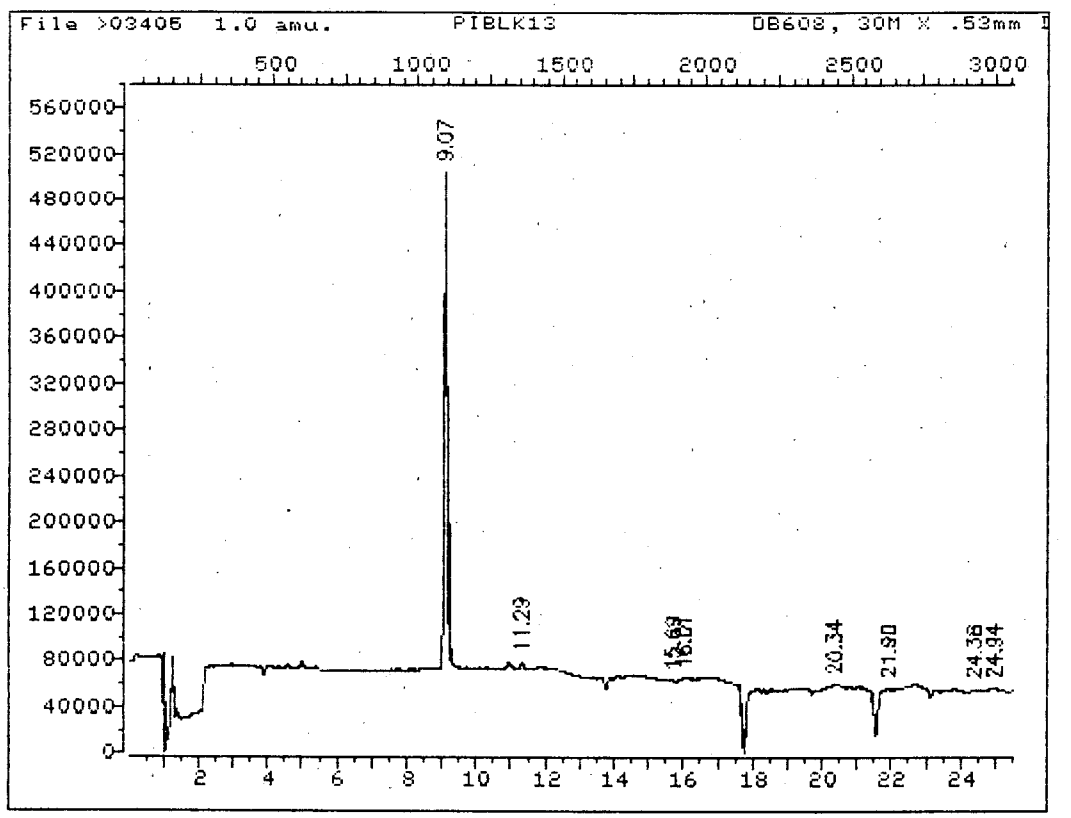
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 18:45
Output File: ^03405::GQ Injected at: 960717 17:52
Data File: >03405::G2 Dilution Factor: 1.00000
Name: PIBLK13A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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	2461145	20.57	ng/ml	100
6)	~~#Heptachlor~~ NC	15.69	1883	5435	.0517	ng/ml	100
12)	~~#Endrin~~ <½ CRQL	24.94	2993	20851	.239	ng/ml	100
14)	~~#4,4'-DDD~~ <½ CRQL	25.53	3063	29049	.470	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.24	3389	50408	.573	ng/ml	100
16)	~~#4,4'-DDT~~ NC	27.10	3252	66879	.985	ng/ml	100
18)	~~#Endrin ketone~~ NC	32.74	3929	14692	.158	ng/ml	100
19)	#Decachlorobiphenyl	41.61	4993	2429102	21.01	ng/ml	100
27)	~~#Aroclor-1248~~(1) NP	16.01	1921	31512	4.18	ng/ml	100
29)	~~#Aroclor-1260~~(1) NP	24.38	2925	11582	1.81	ng/ml	100
32)	#To~~xaphe~~ne(3) NP	28.24	3389	50408	23.77	ng/ml	100
35)	~~#Aroclor-1016~~(3) NP	16.01	1921	31512	2.82	ng/ml	100
38)	~~#Aroclor-1221~~(2) NP	11.29	1355	32912	20.25	ng/ml	100
41)	~~#Aroclor-1232~~(3) NP	16.01	1921	31512	6.75	ng/ml	100
44)	~~#Aroclor-1242~~(3) NP	16.01	1921	31512	3.55	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.34	2441	62833	15.30	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.90	2628	922448	210.63	ng/ml	100
54)	~~#Aroclor-1254(5)~~ NP	24.94	2993	20851	5.71	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.94	2993	20851	2.93	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.51	3181	389295	84.57	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	32.74	3929	14692	2.98	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >03405::G2 Quant Output File: ^03405::GQ
Name: PIBLK13A 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 18:45
Injected at: 960717 17:52

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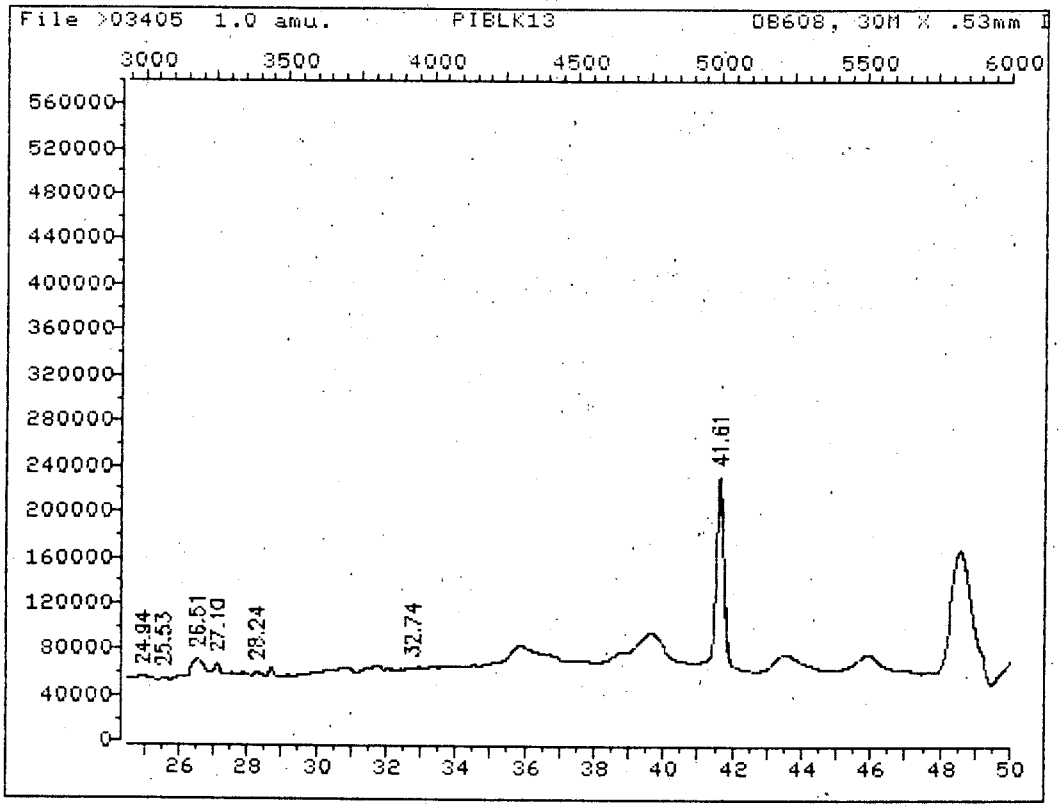

Data File: >03405::G2 Quant Output File: ^03405::GQ
Name: PIBLK13A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 18:45
Injected at: 960717 17:52

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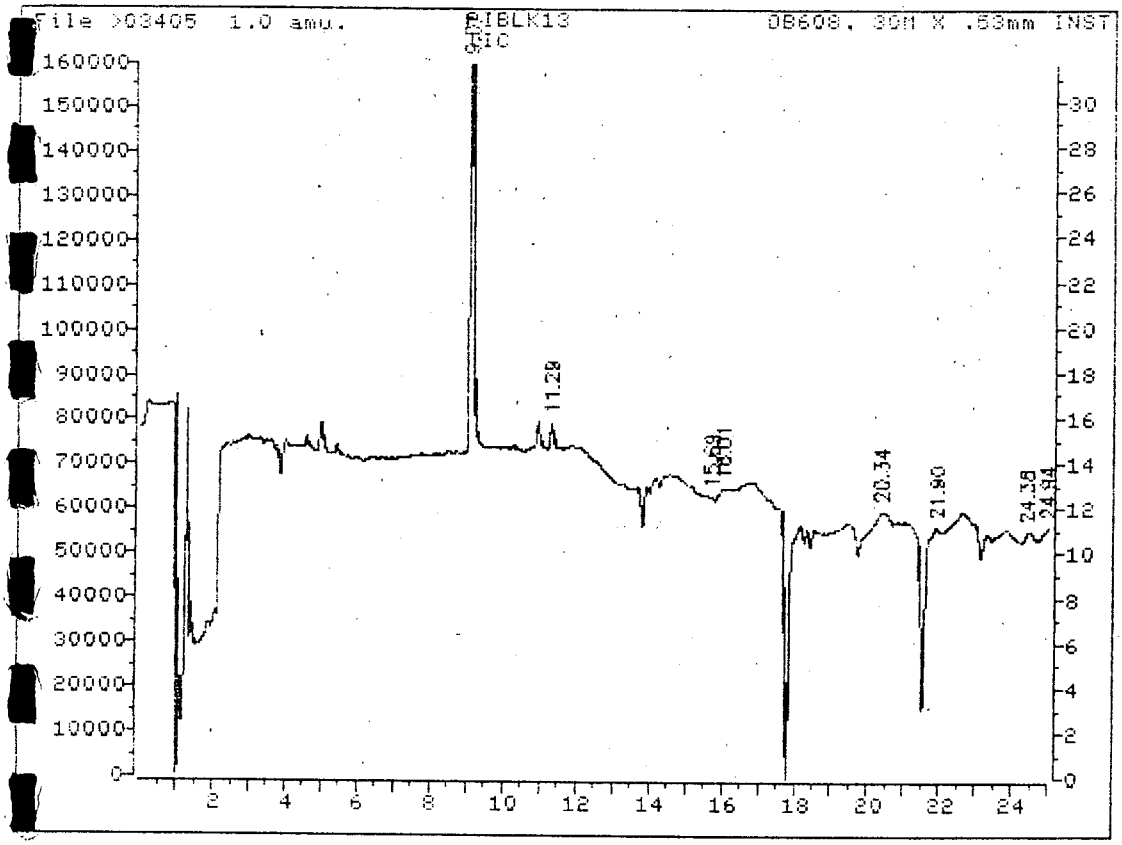
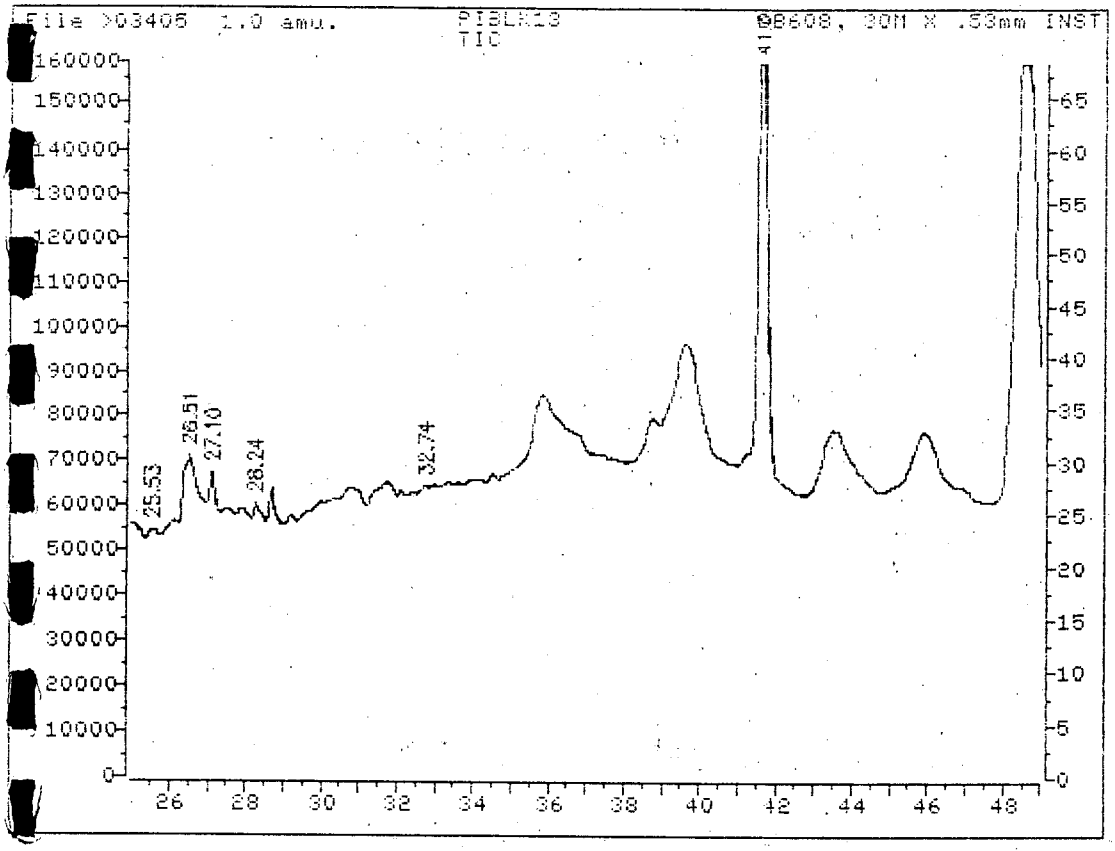


MS data file header from : >03405::G2

Sample: PIBLK13A Operator: TRFI2 7/17/96 17:52
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 : >03405::G2

Sample: PIBLK13A Operator: TRFI2 7/17/96 17:52
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

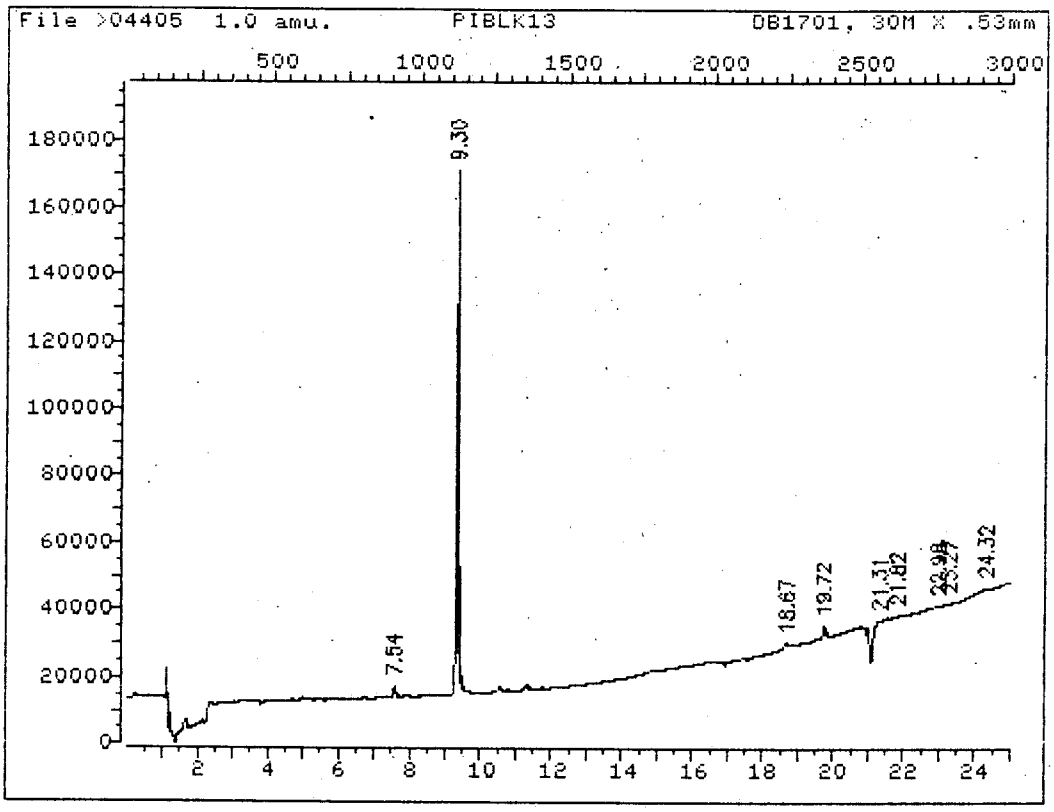
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 18:43
Output File: ^04405::GQ Injected at: 960717 17:52
Data File: >04405::G4 Dilution Factor: 1.00000
Name: PIBLK13A Instrument ID: GC04
Misc: DB1701. 30M X .53mm INST 58903, 1ul INJ

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	9.30	1116	837688	20.47	ng/ml	100
3)	~~#beta-BHC~~ NC	18.67	2240	10085	.402	ng/ml	100
4)	~~#delta-BHC~~ NC	19.72	2366	22513	.858	ng/ml	100
10)	~~#Dieldrin~~ NC	23.27	2792	6929	.216	ng/ml	100
12)	~~#Endrin~~ NC	24.32	2918	69718	2.40	ng/ml	100
13)	~~#Endosulfan II~~ NC	26.93	3231	9210	.269	ng/ml	100
14)	~~#4,4'-DDD~~ NC	26.50	3180	72507	3.77	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.86	3703	23276	1.74	ng/ml	100
19)	#Decachlorobiphenyl	38.66	4639	1023952	22.33	ng/ml	100
21)	~~#gamma-Chlordane~~ NC	21.82	2618	6829	.170	ng/ml	100
24)	#A~~roclor-1221(~~1) NP	7.54	905	18418	24.09	ng/ml	100
25)	#A~~roclor-1232(~~1) NP	7.54	905	18418	16.69	ng/ml	100
37)	#A~~roclor-1016(~~5) NP	18.67	2240	8797	4.50	ng/ml	100
48)	#Ar~~oclor-1248(~~3) NP	18.67	2240	8797	3.63	ng/ml	100
52)	#Ar~~oclor-~~1254(3) NP	21.31	2557	150600	81.95	ng/ml	100
53)	#~~Aroclor-1254(4)~~ NP	22.98	2757	30466	11.73	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >04405::G4 Quant Output File: ^04405::GQ
Name: PIBLK13A 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 18:43
Injected at: 960717 17:52

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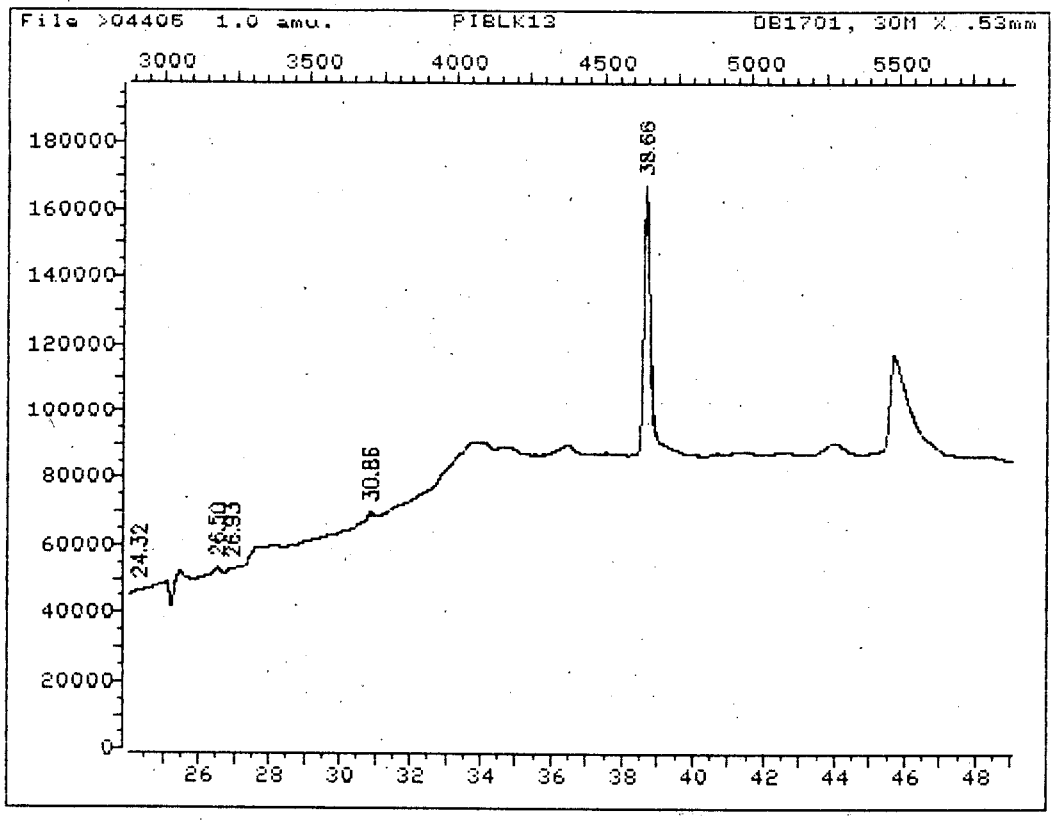

Data File: >04405::G4 Quant Output File: ^04405::GQ
Name: PIBLK13A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 18:43
Injected at: 960717 17:52

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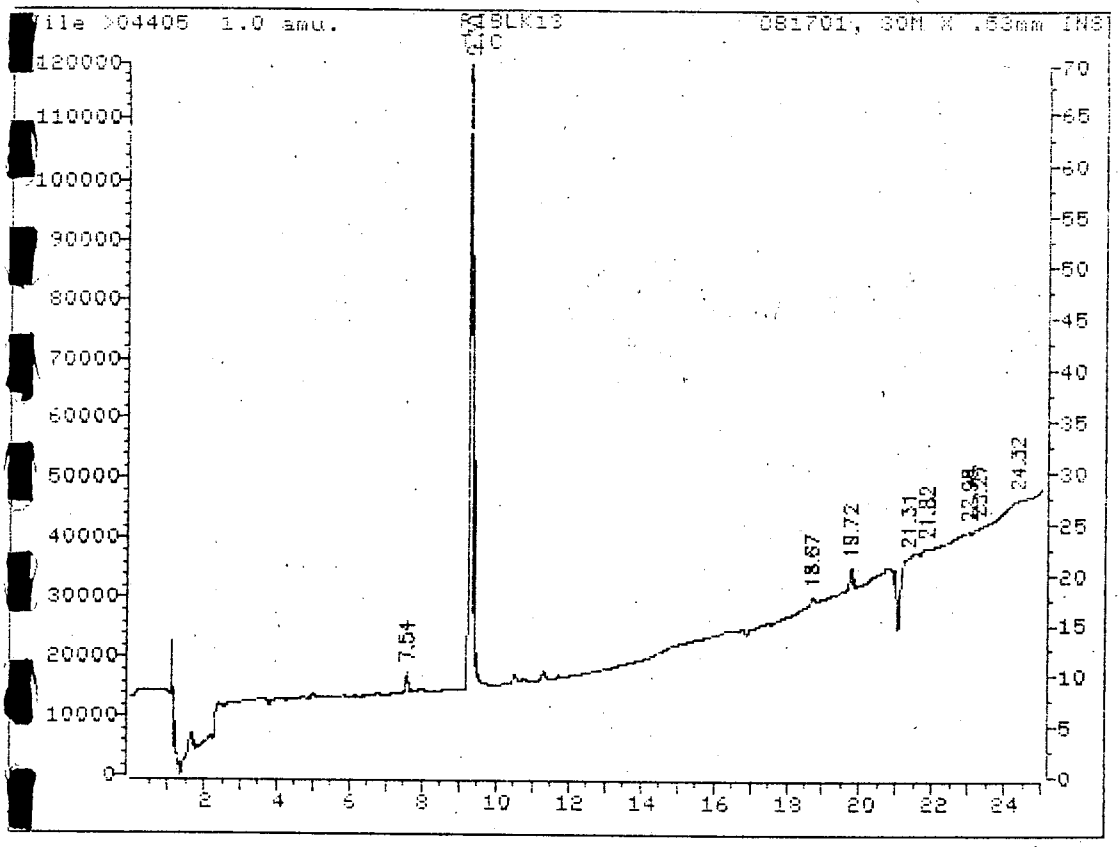
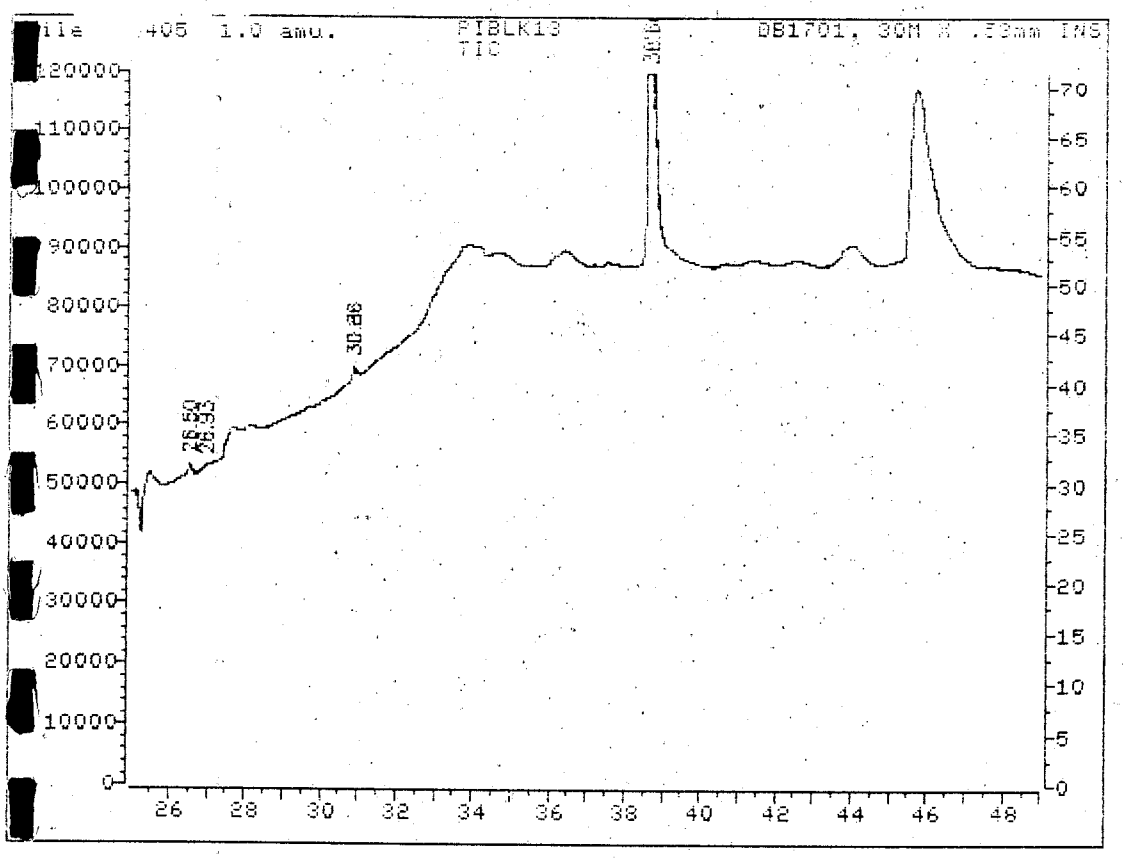


MS data file header from : >04405::G4

Sample: PIBLK13 A Operator: TRFI2 7/17/96 17:52
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 : >04405::G4

Sample: PIBLK13A Operator: TRFI2 7/17/96 17:52
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.

PIBLK14A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK14

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03415

% 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

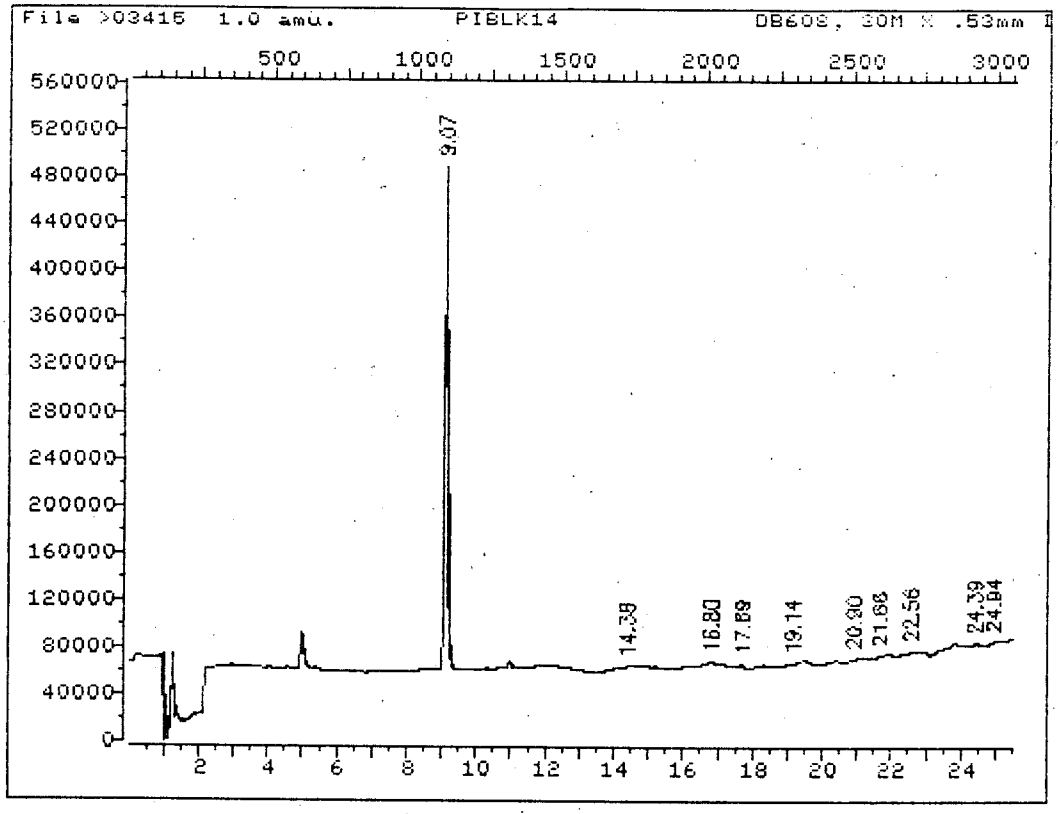
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 03:52
Output File: ^03415::GQ Injected at: 960718 02:59
Data File: >03415::G2 Dilution Factor: 1.00000
Name: PIBLK14A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ.

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2439553	20.39	ng/ml	100
5)	#~~gamma BHC (Lindane)~~ UC	14.38	1726	12979	.0937	ng/ml	100
9)	#~~Endosulfan~~ I UC	21.66	2599	12454	.117	ng/ml	100
12)	#~~Endrin~~ OW	24.94	2992	27181	.311	ng/ml	100
14)	#~~4,4'-DDD~~ UC	25.55	3066	40575	.657	ng/ml	100
15)	#~~Endosulfan Sulfate~~ UC	28.37	3404	43154	.491	ng/ml	100
19)	#Decachlorobiphenyl	41.65	4998	1992382	17.23	ng/ml	100
20)	#~~alpha-Chlordane~~ OW	21.66	2599	7721	.0641	ng/ml	100
21)	#~~gamma-Chlordane~~ OW	20.90	2508	28386	.235	ng/ml	100
28)	#~~Aroclor 1254(1)~~ UP	20.90	2508	28386	5.71	ng/ml	100
29)	#~~Aroclor-1260~~(1) UP	24.39	2927	12194	1.90	ng/ml	100
30)	#~~Endrin aldehyde~~ OW	27.45	3294	18082	.224	ng/ml	100
31)	#~~Toxaphene(2)~~ UP	27.45	3294	18082	10.82	ng/ml	100
32)	#~~Toxaphene(3)~~ UP	28.37	3404	43154	20.35	ng/ml	100
34)	#~~Aroclor-1016~~(2) UP	14.38	1726	12979	2.24	ng/ml	100
36)	#~~Aroclor 1016~~(4) UP	16.80	2016	48914	12.71	ng/ml	100
37)	#~~Aroclor 1016~~(5) UP	19.14	2297	17943	5.30	ng/ml	100
40)	#~~Aroclor 1232(2)~~ UP	14.38	1726	12979	4.62	ng/ml	100
42)	#~~Aroclor-1232(4)~~ UP	16.80	2016	48914	27.99	ng/ml	100
43)	#~~Aroclor 1242(2)~~ UP	14.38	1726	12979	2.80	ng/ml	100
45)	#~~Aroclor-1242(4)~~ UP	16.80	2016	48914	14.78	ng/ml	100
46)	#~~Aroclor-1242(5)~~ UP	19.14	2297	17943	6.13	ng/ml	100
47)	#~~Aroclor-1248~~(2) UP	17.69	2123	29838	9.34	ng/ml	100
48)	#~~Aroclor 1248~~(3) UP	19.14	2297	17943	4.36	ng/ml	100
50)	#~~Aroclor 1248~~(5) UP	21.66	2599	12778	2.92	ng/ml	100
52)	#~~Aroclor 1254(3)~~ UP	22.56	2707	13323	7.21	ng/ml	100
54)	#~~Aroclor-1254~~(5) UP	24.94	2992	27181	7.44	ng/ml	100
55)	#~~Aroclor 1260~~(2) UP	24.94	2992	27181	3.82	ng/ml	100
56)	#~~Aroclor-1260~~(3) UP	26.59	3190	283395	61.56	ng/ml	100
57)	#Aroclor-1260(4) UP	29.98	3597	155058	14.16	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



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

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