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201-584-0330
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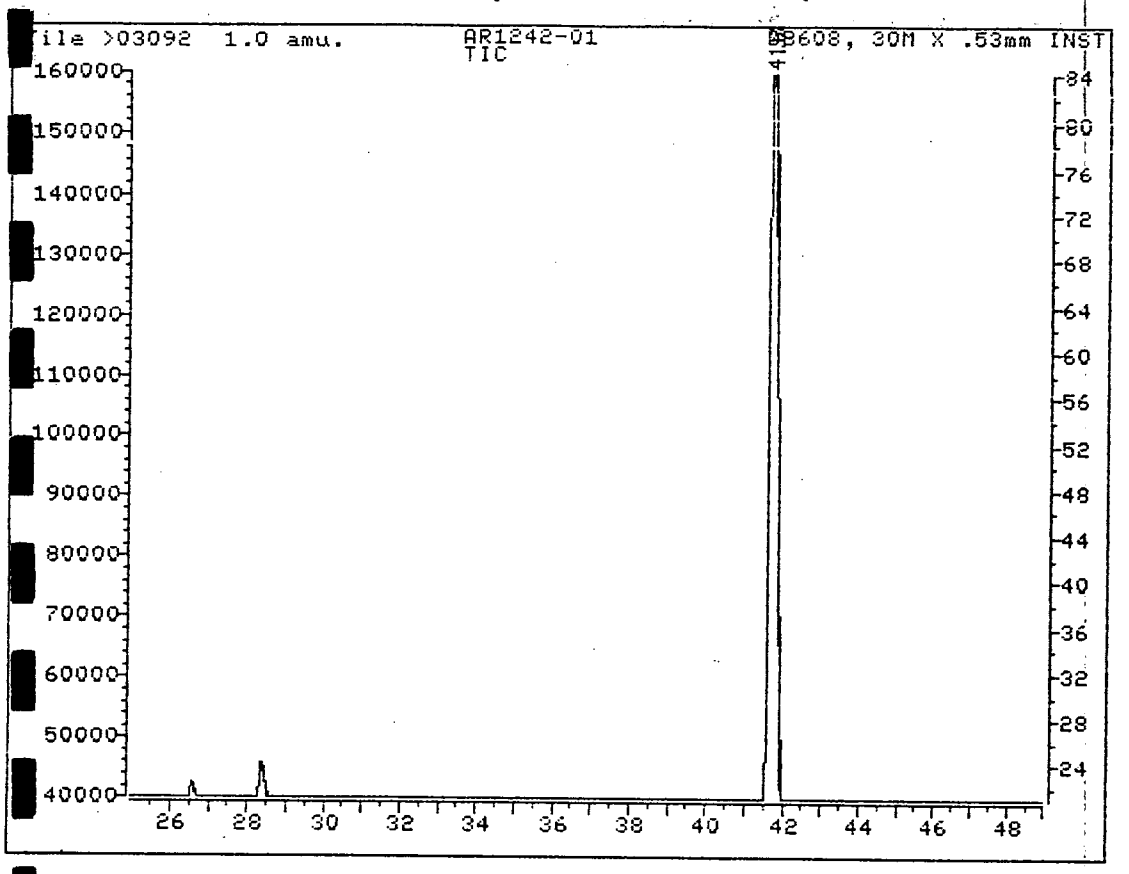
ANALYTICAL DATA REPORT PACKAGE

July 29, 1996

ROY F. WESTON, INC.

RFP-1416



MS data file header from : >03092::G3

Sample: AR1242-01 Operator: TRFIL 7/01/96 18:34
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFIL
Output File: ^04092::F3
Data File: >04092::G5
Name: AR124201
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960702 21:55
Injected at: 960701 18:33
Dilution Factor: 1.00000
Instrument ID: GC04

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

Last Qcal Time: 960701 21:23

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	813170	19.63	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.70	4644	951300	20.37	ng/ml	100
26)	#Aroclor-1242(1)	0.100	12.08	1450	105799	100.00	ng/ml	100
43)	#Aroclor-1242(2)	0.100	13.85	1662	198631	100.00	ng/ml	100
44)	#Aroclor-1242(3)	0.100	15.98	1918	308317	100.00	ng/ml	100
45)	#Aroclor-1242(4)	0.100	16.55	1986	114298	100.00	ng/ml	100
46)	#Aroclor-1242(5)	0.100	17.47	2096	79124	100.00	ng/ml	100

Compound uses ESTD

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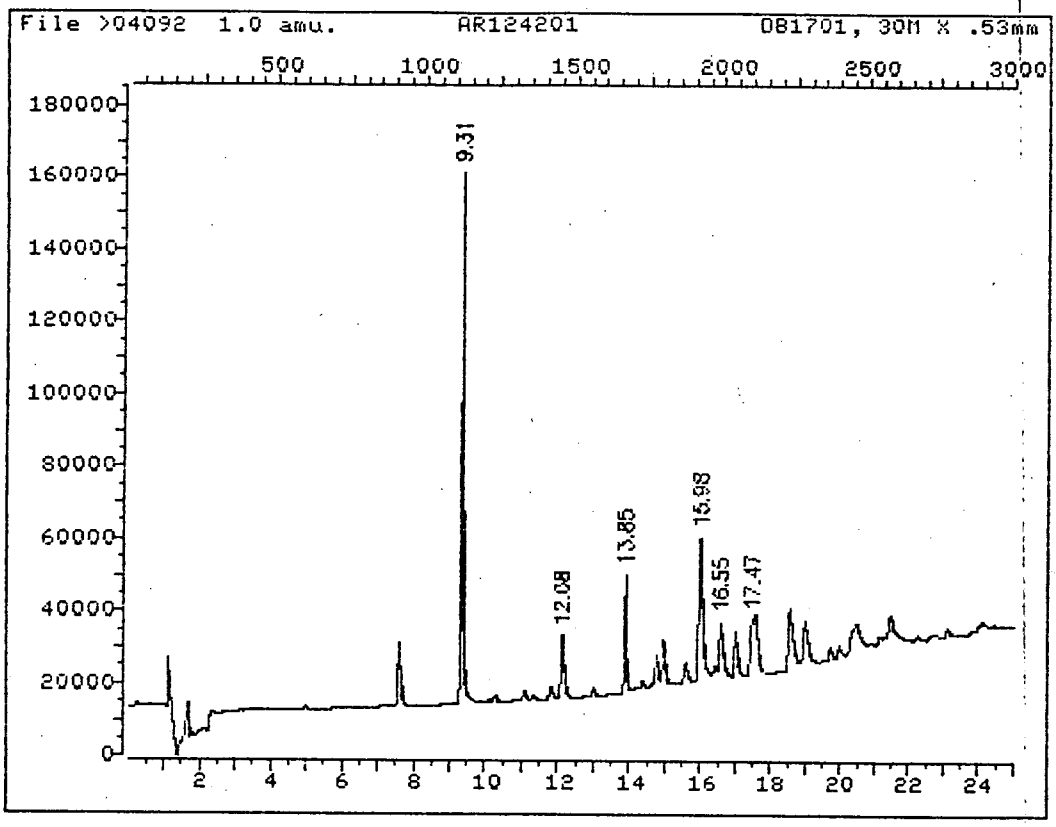
7/10/96



Data File: >04092::G5 Quant Output File: ^04092::F3
Name: AR124201 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960702 21:55
Injected at: 960701 18:33

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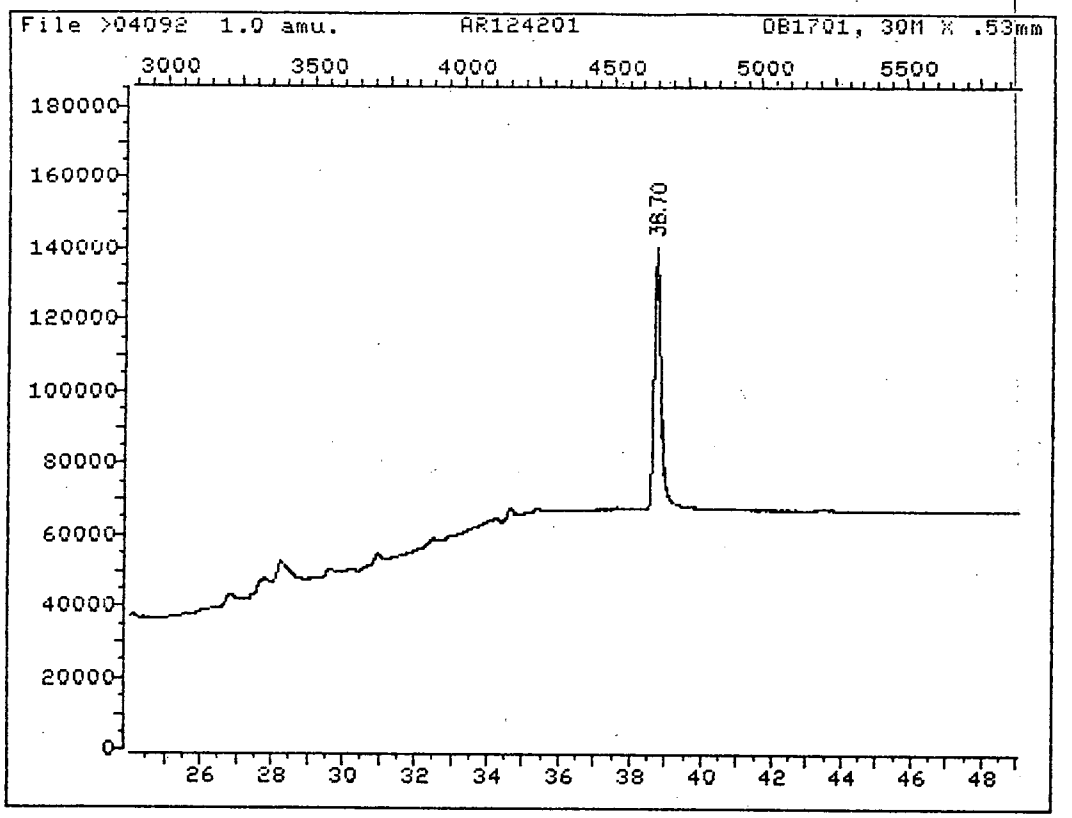
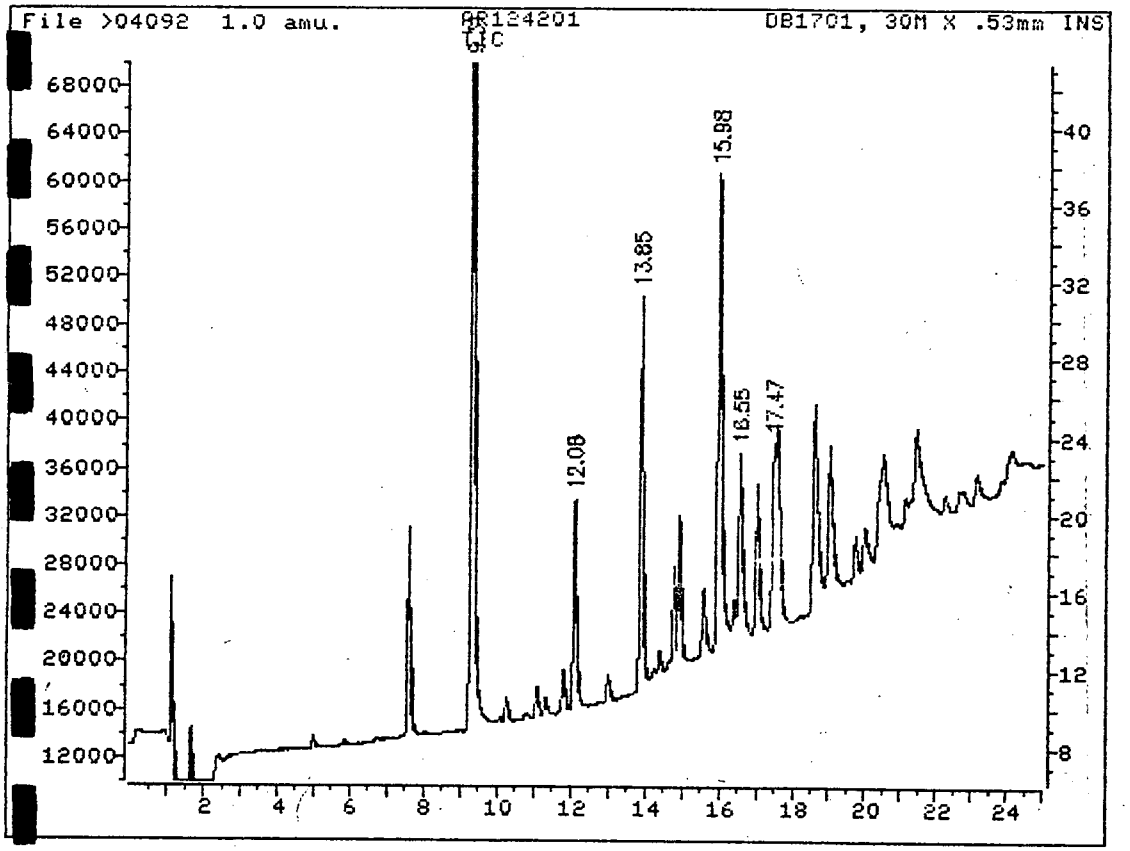


Data File: >04092::G5 Quant Output File: ^04092::F3
Name: AR124201 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960702 21:55
Injected at: 960701 18:33

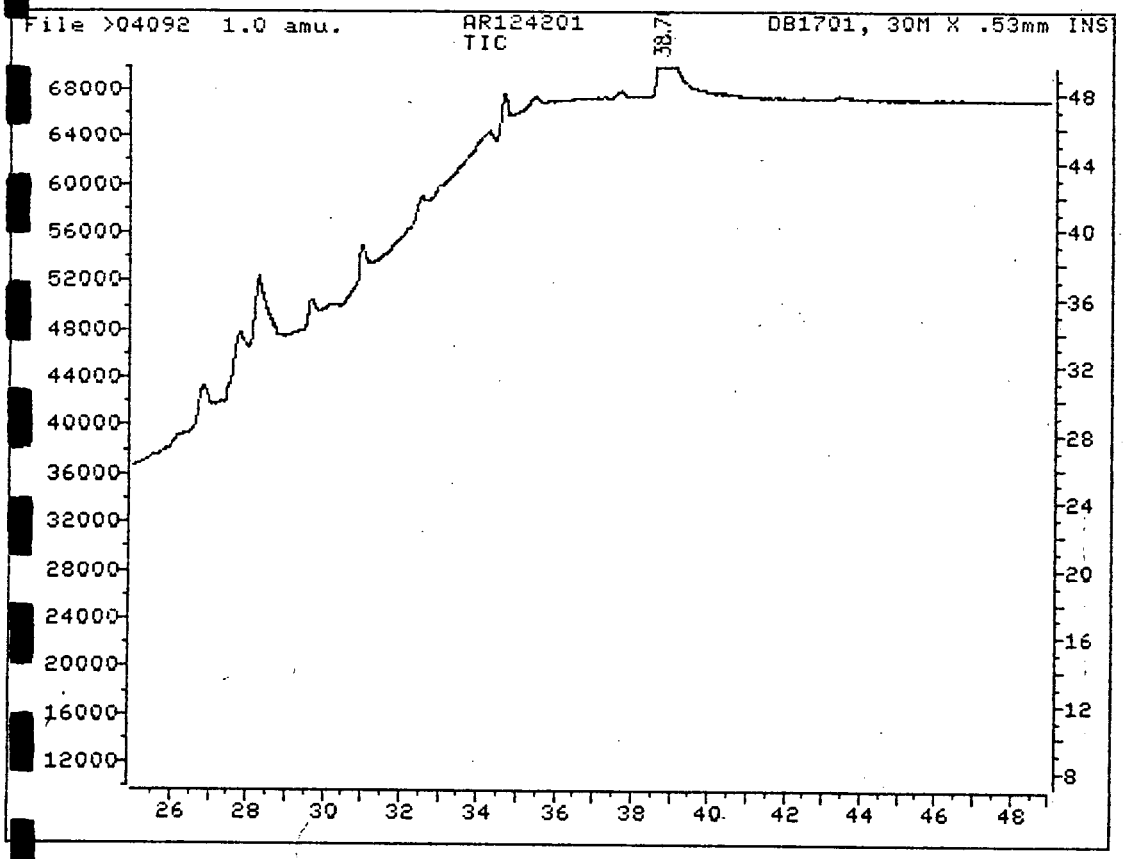
Page 2 of 2



MS data file header from : >04092::G5

Sample: AR124201 Operator: TRFIL 7/01/96 18:33
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >04092::G5

Sample: AR124201 Operator: TRFIL 7/01/96 18:33
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFIL
Output File: ^03093::F3
Data File: >03093::G3
Name: AR1248-01
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960704 15:16
Injected at: 960701 19:30
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2444399	19.53	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.68	5001	2529363	21.20	ng/ml	100
27)	#Aroclor-1248(1)	0.100	16.02	1923	756718	100.00	ng/ml	100
47)	#Aroclor-1248(2)	0.100	17.53	2104	260834	100.00	ng/ml	100
48)	#Aroclor-1248(3)	0.100	19.02	2282	415264	100.00	ng/ml	100
49)	#Aroclor-1248(4)	0.100	20.48	2457	484504	100.00	ng/ml	100
50)	#Aroclor-1248(5)	0.100	21.74	2609	551328	100.00	ng/ml	100

Compound uses ESTD

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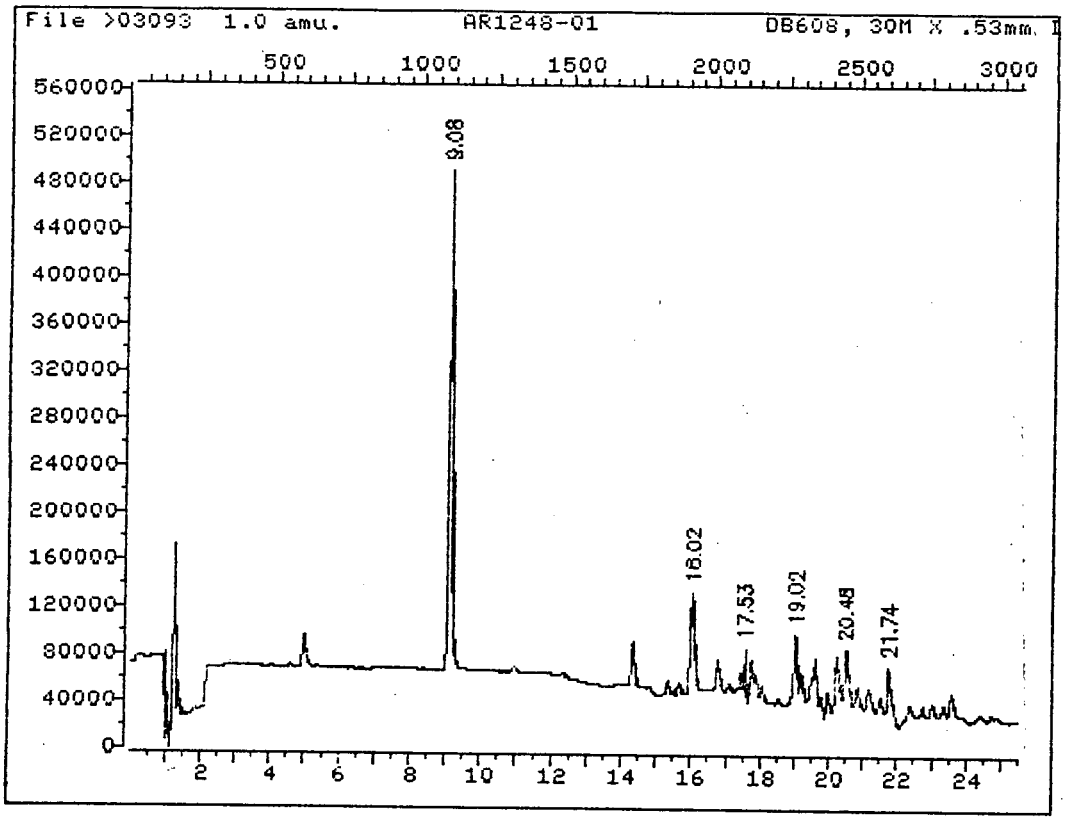
7/10/96



Data File: >03093::G3 Quant Output File: ^03093::F3
Name: AR1248-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960704 15:16
Injected at: 960701 19:30

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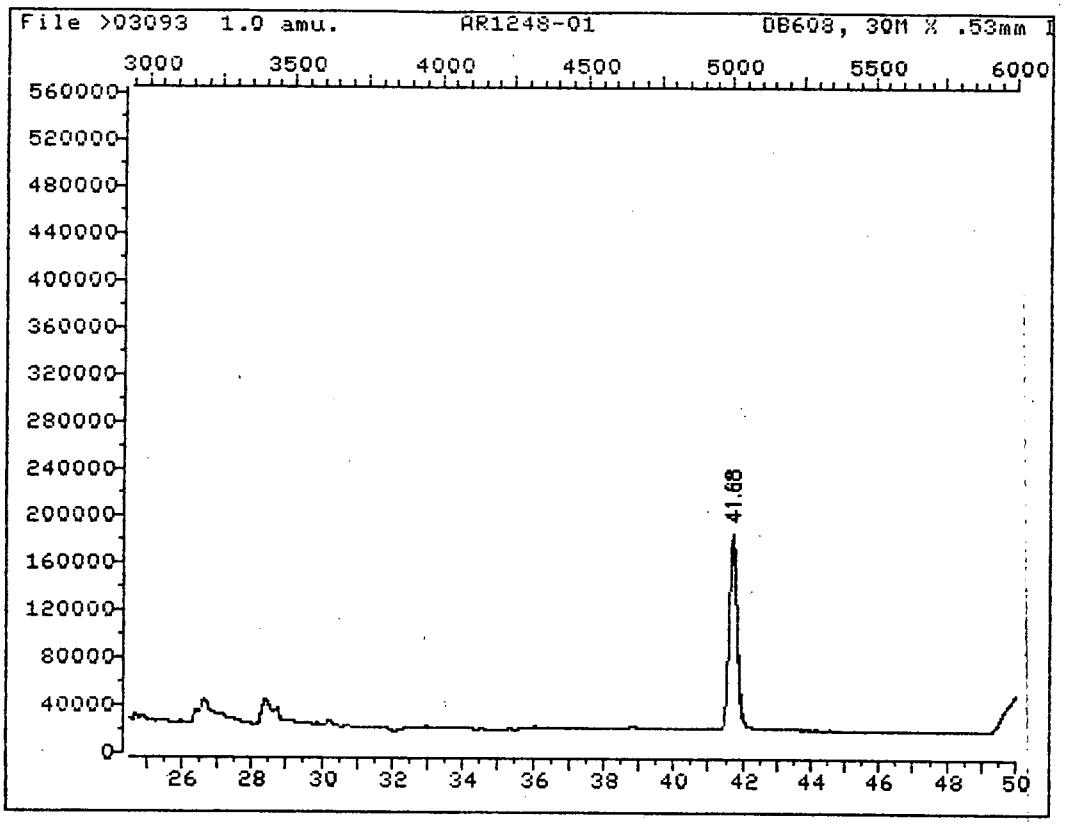
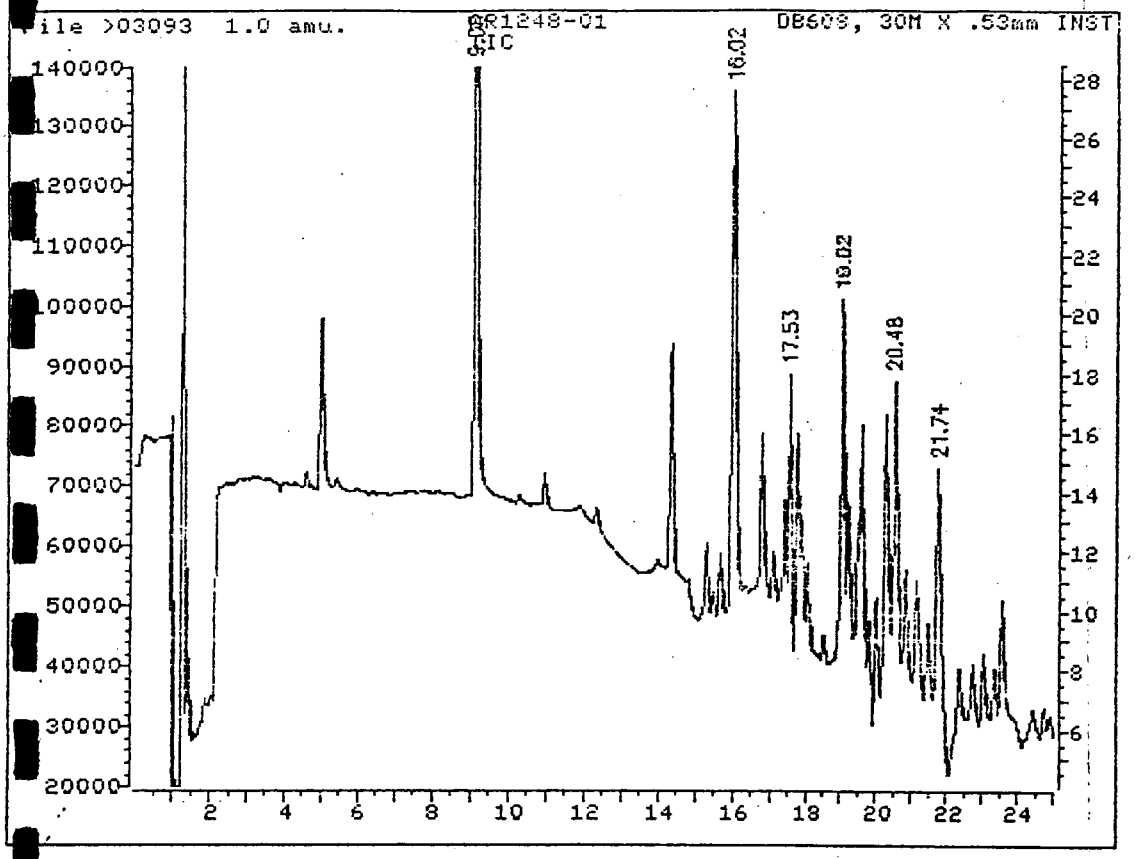


Data File: >03093::G3 Quant Output File: ^03093::F3
Name: AR1248-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960704 15:16
Injected at: 960701 19:30

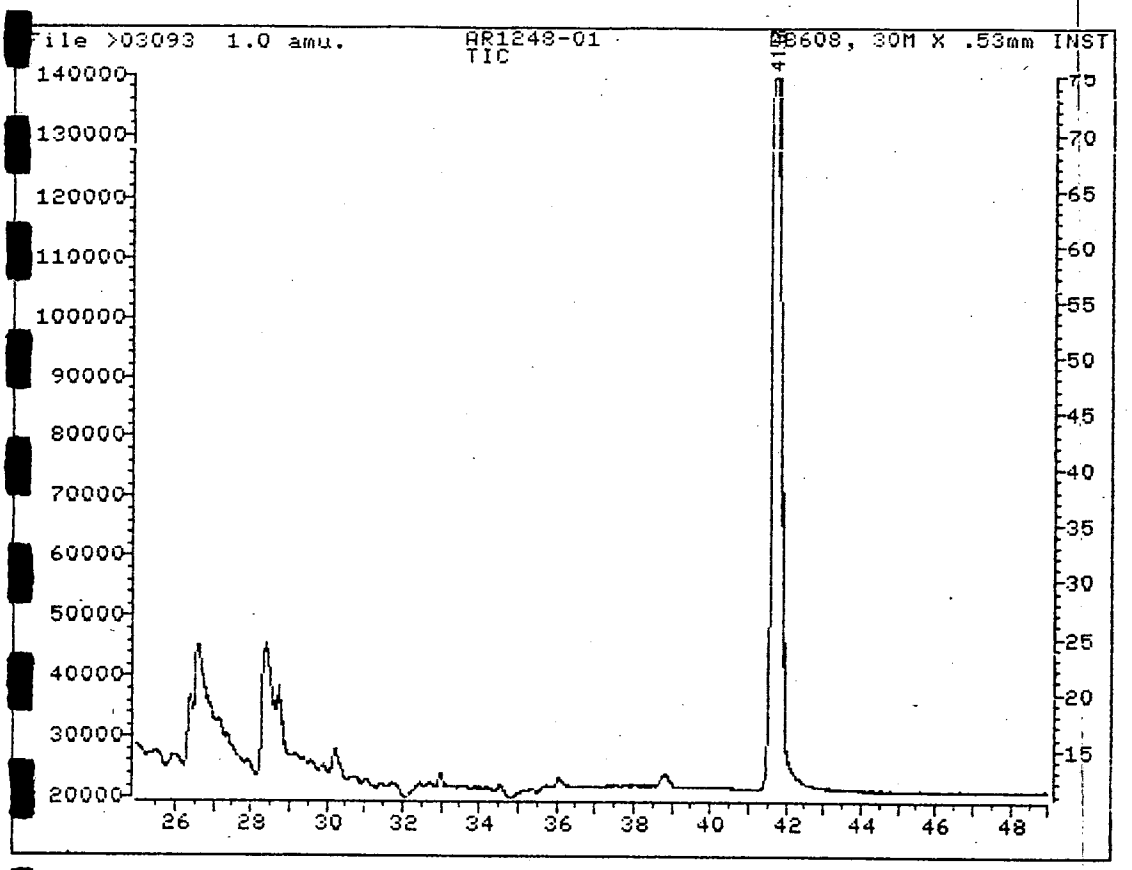
Page 2 of 2



S data file header from : >03093::G3

Sample: AR1248-01 Operator: TRFIL 7/01/96 19:30
isc : DB608, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >03093::G3

Sample: AR1248-01 Operator: TRFIL 7/01/96 19:30
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: ^04093::F3
Data File: >04093::G5
Name: AR124801
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

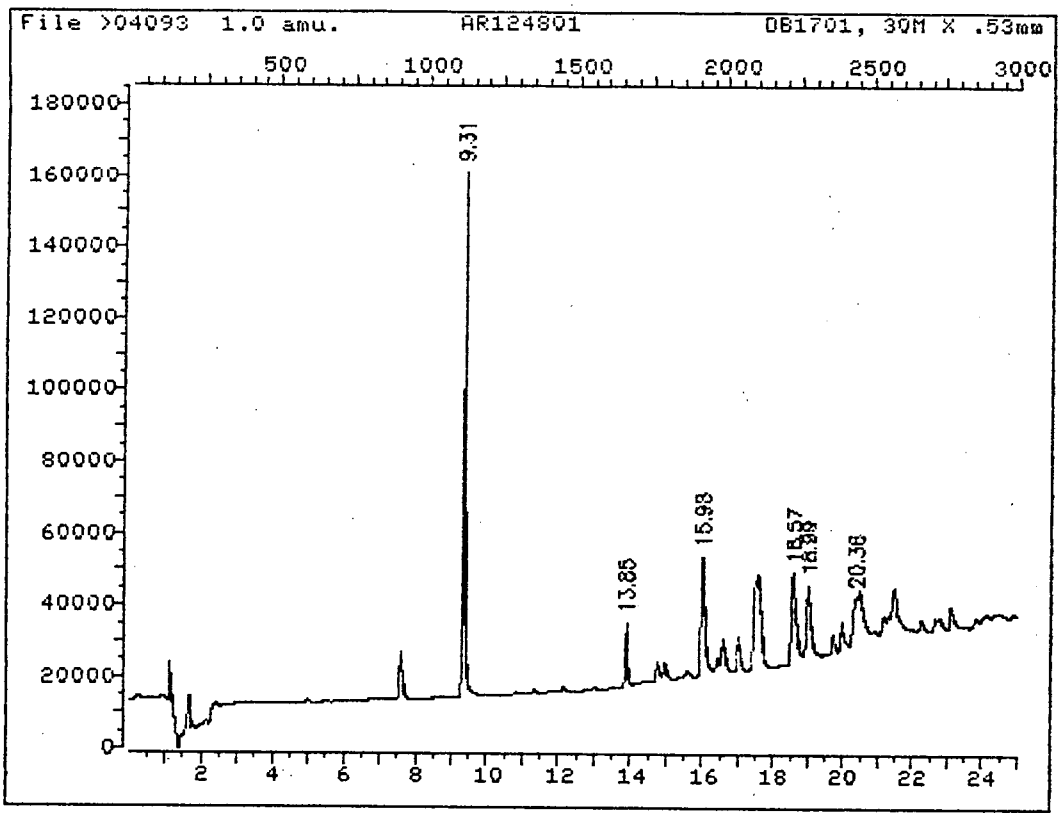
Quant Rev: 7
Quant Time: 960705 14:52
Injected at: 960701 19:30
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	821092	19.83	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.71	4645	942731	20.19	ng/ml	100
27)	#Aroclor-1248(1)	0.100	13.85	1662	106450	96.64	ng/ml	100
47)	#Aroclor-1248(2)	0.100	15.98	1918	261228	100.00	ng/ml	100
48)	#Aroclor-1248(3)	0.100	18.57	2228	246368	100.00	ng/ml	100
49)	#Aroclor-1248(4)	0.100	18.99	2279	176536	100.00	ng/ml	100
50)	#Aroclor-1248(5)	0.100	20.36	2443	95980	100.00	ng/ml	100

Compound uses ESTD

EPrci
7/10/96



Data File: >04093::G5 Quant Output File: ^04093::F3
Name: AR124801 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960705 14:52
Injected at: 960701 19:30

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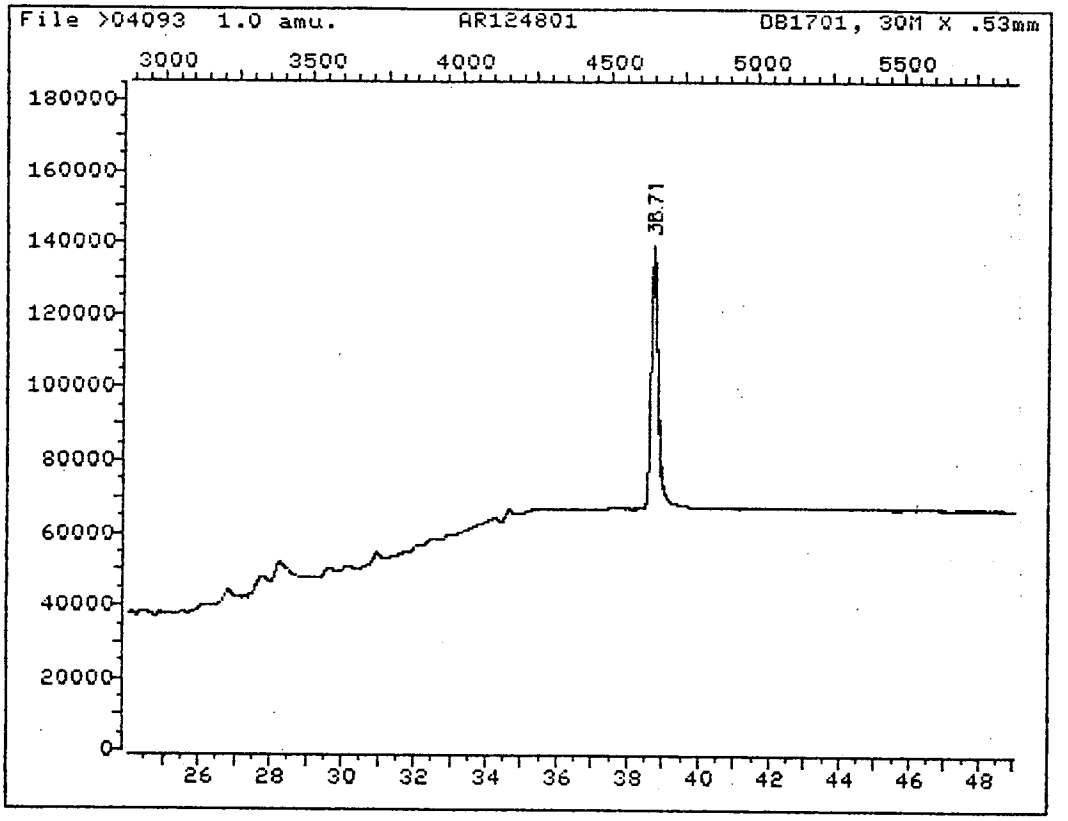

Data File: >04093::G5 Quant Output File: ^04093::F3
Name: AR124801 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960705 14:52
Injected at: 960701 19:30

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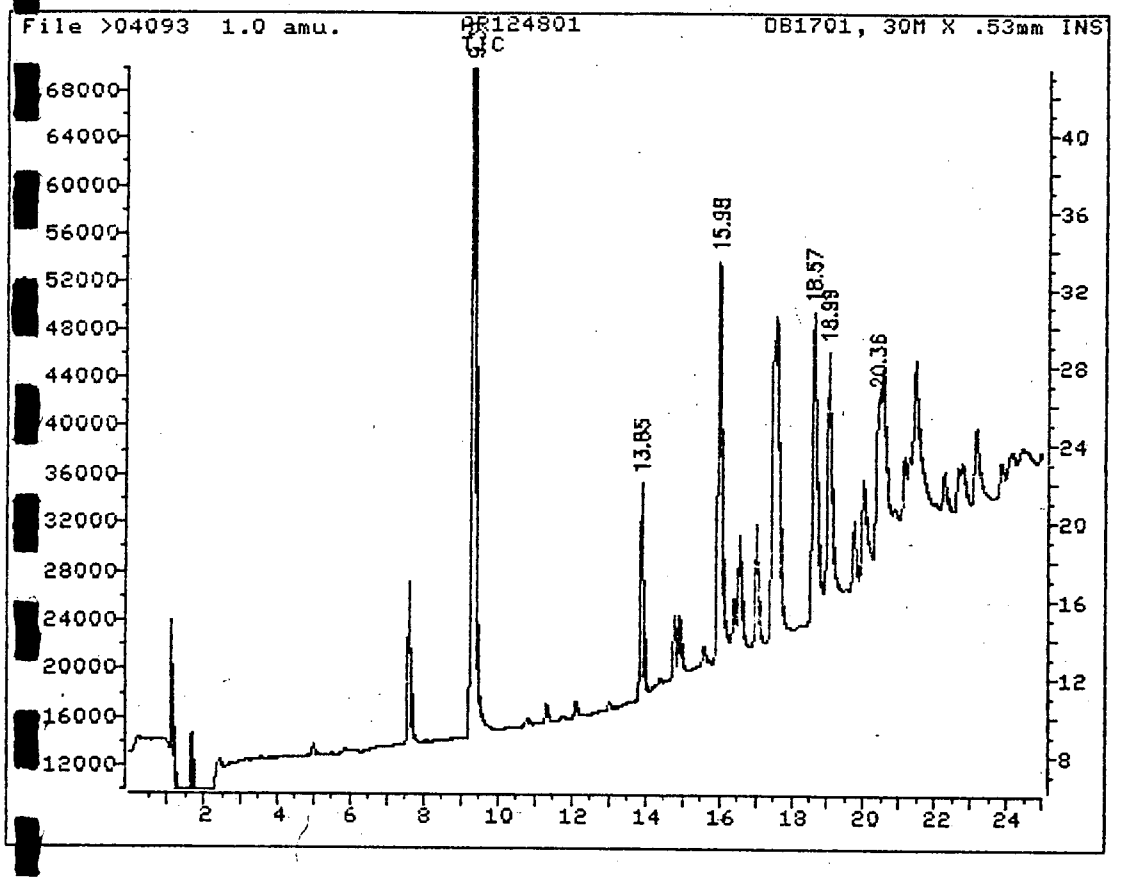
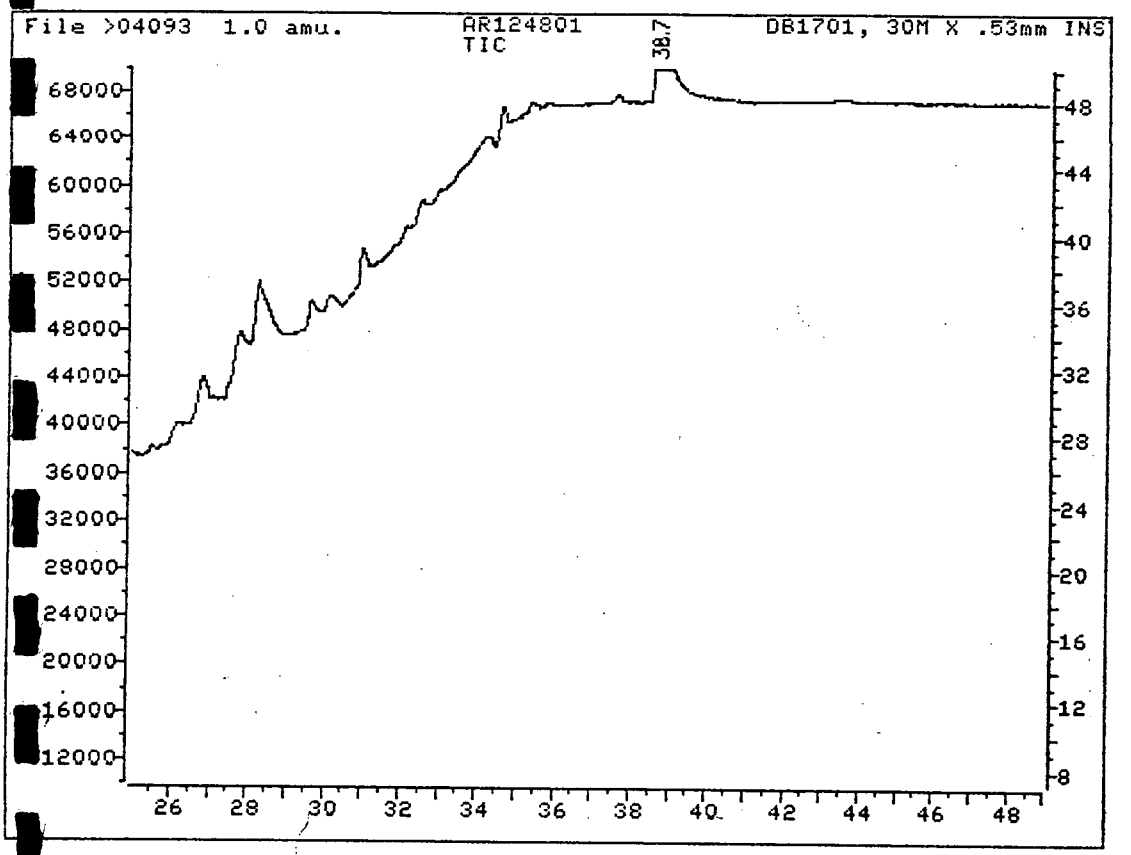


S data file header from : >04093::G5

Sample: AR124801 Operator: TRFIL 7/01/96 19:30
isc : DB1701, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



S data file header from : >04093::G5

Sample: AR124801 Operator: TRFIL 7/01/96 19:30
isc : DB1701. 30M X .53mm INST 58903, 1ul INJ
s. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFIL
Output File: ^03094::F3
Data File: >03094::G3
Name: AR1254-01
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

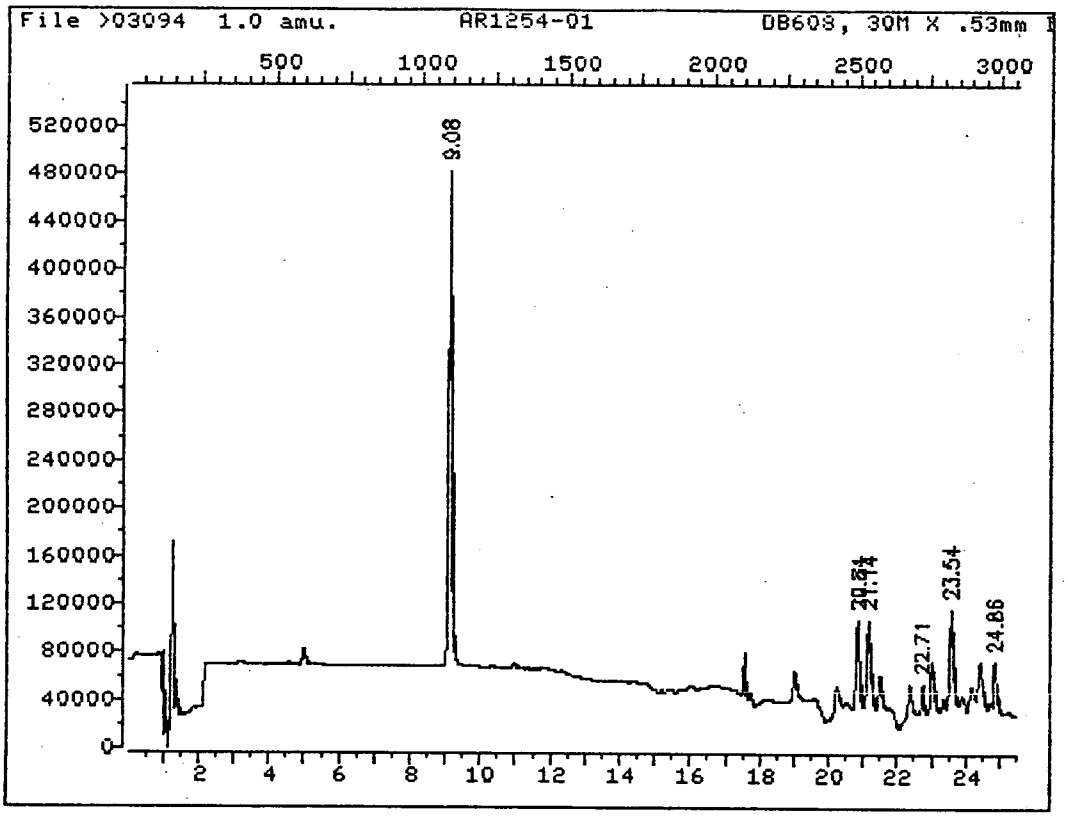
Quant Rev: 7
Quant Time: 960704 15:17
Injected at: 960701 20:27
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2410355	19.26	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.67	5000	2480907	20.80	ng/ml	100
28)	#Aroclor-1254(1)	0.100	20.84	2501	474145	100.00	ng/ml	100
51)	#Aroclor-1254(2)	0.100	21.14	2537	554187	100.00	ng/ml	100
52)	#Aroclor-1254(3)	0.100	22.71	2725	161240	100.00	ng/ml	100
53)	#Aroclor-1254(4)	0.100	23.54	2825	607109	100.00	ng/ml	100
54)	#Aroclor-1254(5)	0.100	24.86	2983	358562	100.00	ng/ml	100

Compound uses ESTD

EPrci
7/9/96



Data File: >03094::G3 Quant Output File: ^03094::F3
Name: AR1254-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960704 15:17
Injected at: 960701 20:27

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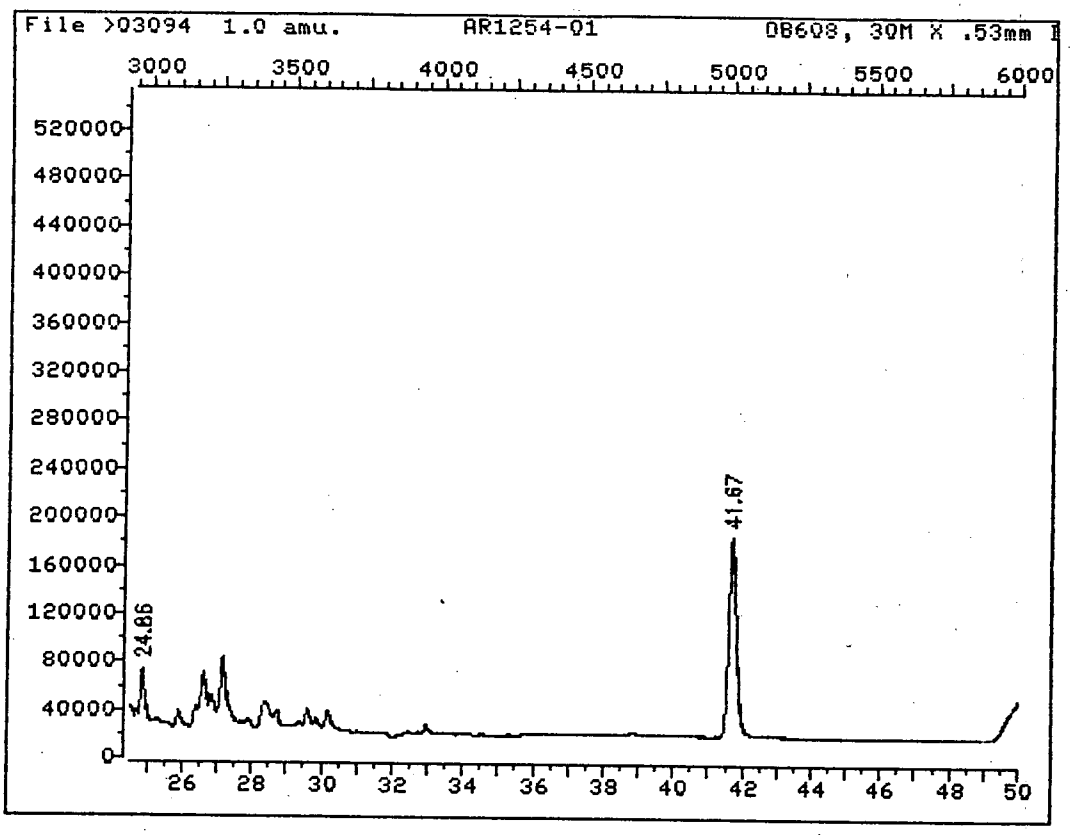

Data File: >03094::G3 Quant Output File: ^03094::F3
Name: AR1254-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960704 15:17
Injected at: 960701 20:27

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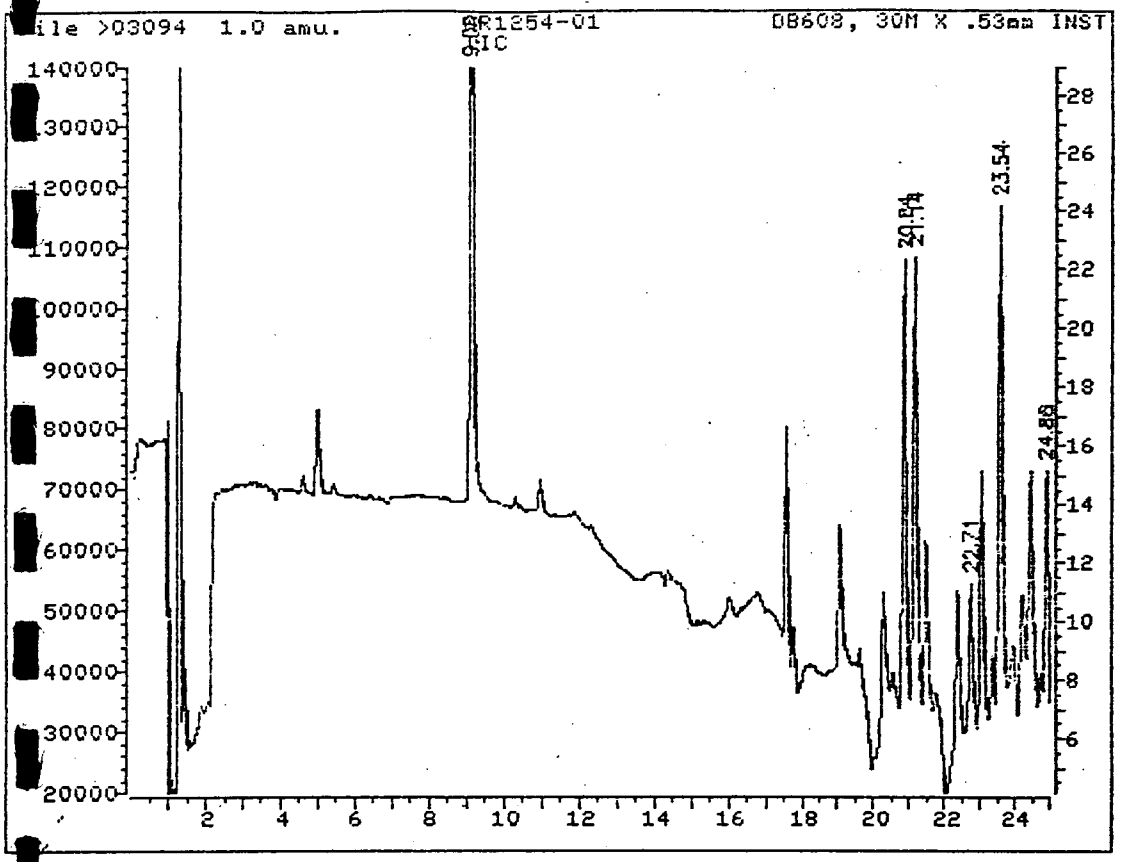
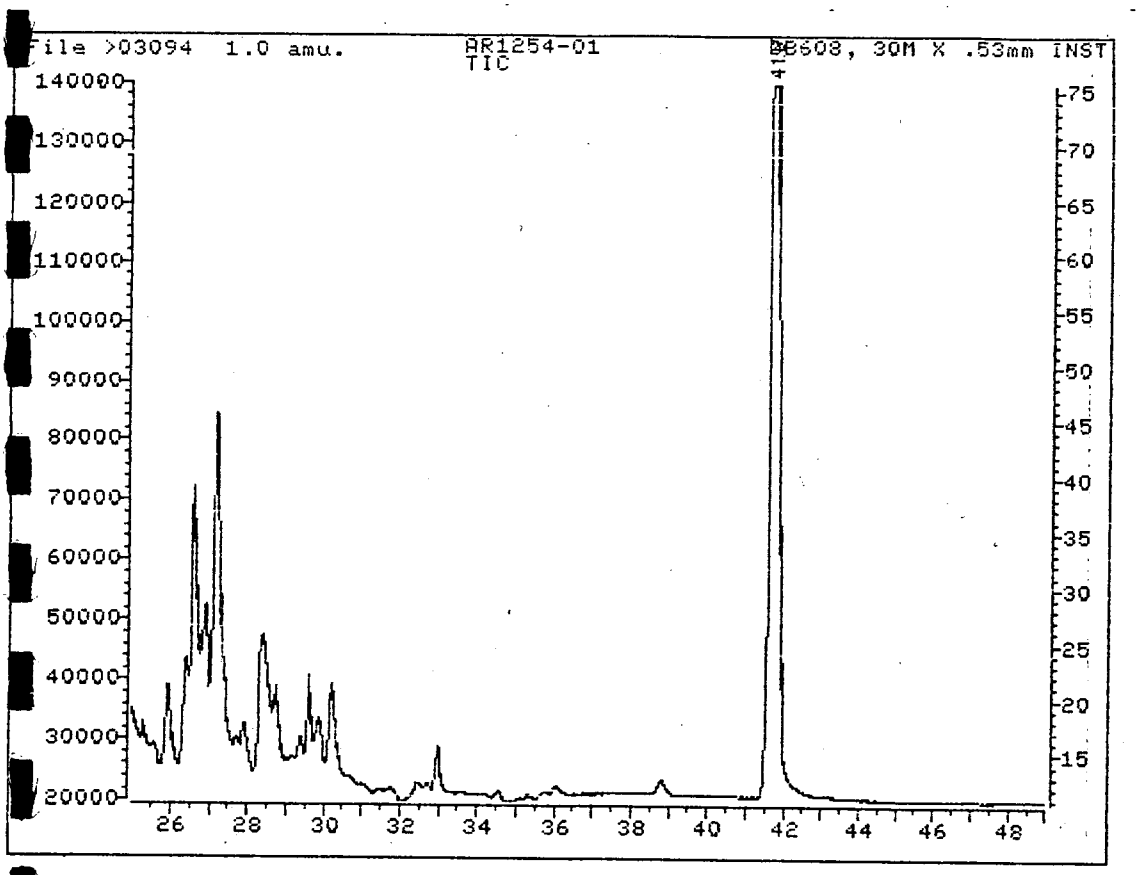


S data file header from : >03094::G3

Sample: AR1254-01 Operator: TRFIL 7/01/96 20:27
isc : DB608, 30M X .53mm INST 58903, 1µl INJ
vs. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >03094::G3

Sample: AR1254-01 Operator: TRFIL 7/01/96 20:27
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

QUANT REPORT

Operator ID: TRFIL
Output File: ^04094::F3
Data File: >04094::G5
Name: AR125401
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

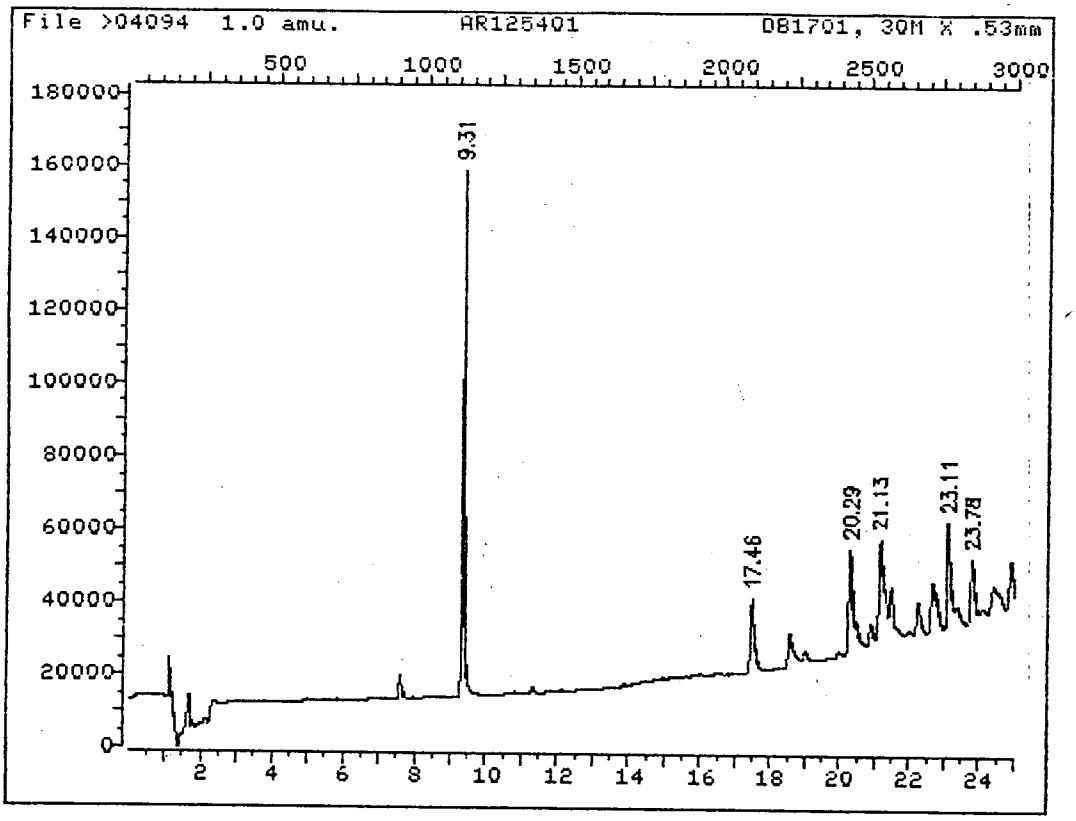
Quant Rev: 7
Quant Time: 960702 21:59
Injected at: 960701 20:27
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	799064	19.29	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.71	4645	929586	19.91	ng/ml	100
28)	#Aroclor-1254(1)	0.100	17.46	2095	158864	100.00	ng/ml	100
51)	#Aroclor-1254(2)	0.100	20.29	2435	203316	100.00	ng/ml	100
52)	#Aroclor-1254(3)	0.100	21.13	2535	183401	100.00	ng/ml	100
53)	#Aroclor-1254(4)	0.100	23.11	2773	254970	100.00	ng/ml	100
54)	#Aroclor-1254(5)	0.100	23.78	2854	135626	100.00	ng/ml	100

Compound uses ESTD

EPui
7/10/96



Data File: >04094::G5 Quant Output File: ^04094::F3
Name: AR125401 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960702 21:59
Injected at: 960701 20:27

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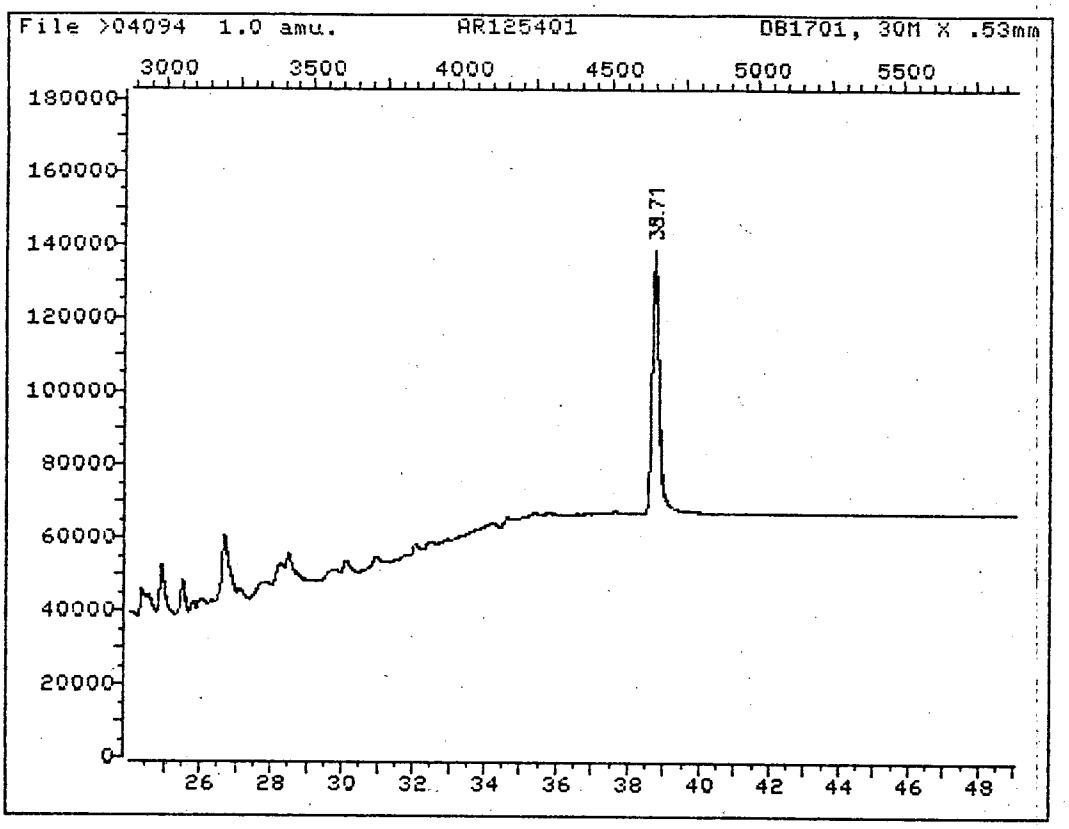

Data File: >04094::G5 Quant Output File: ^04094::F3
Name: AR125401 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960702 21:59
Injected at: 960701 20:27

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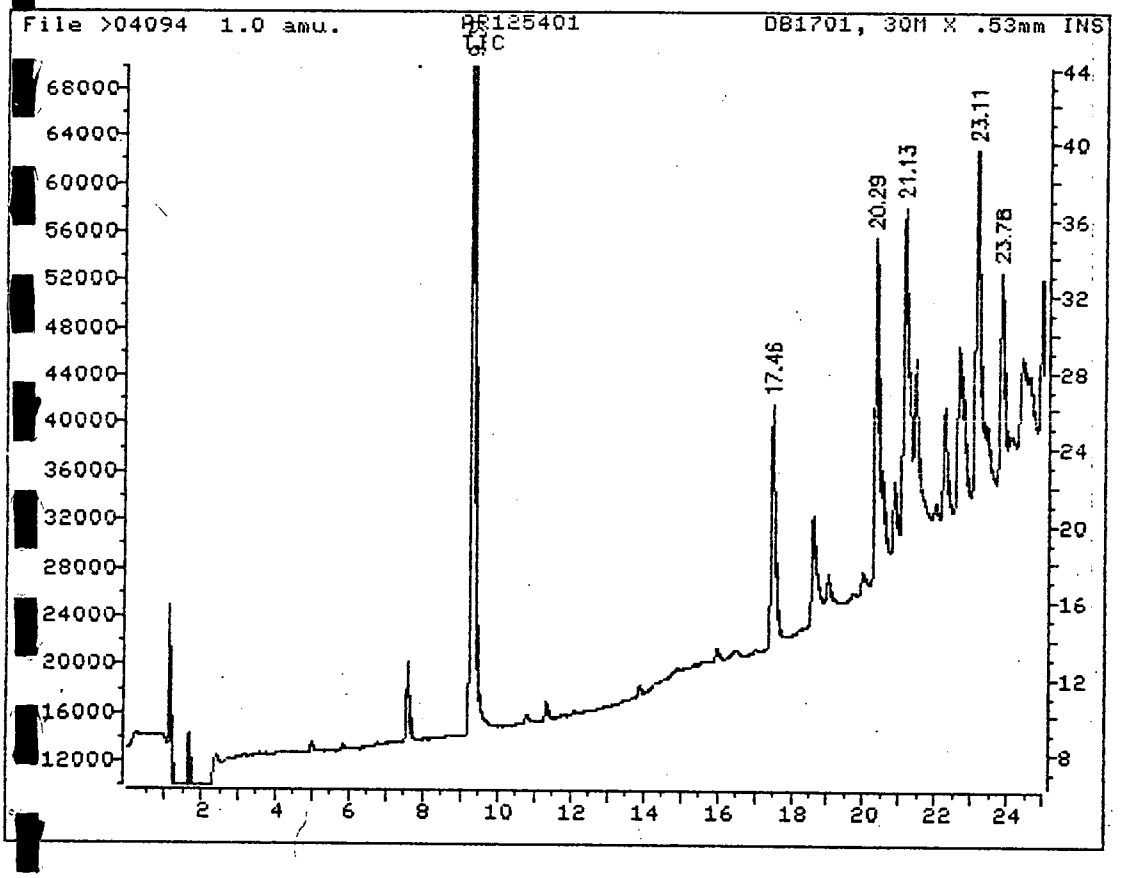
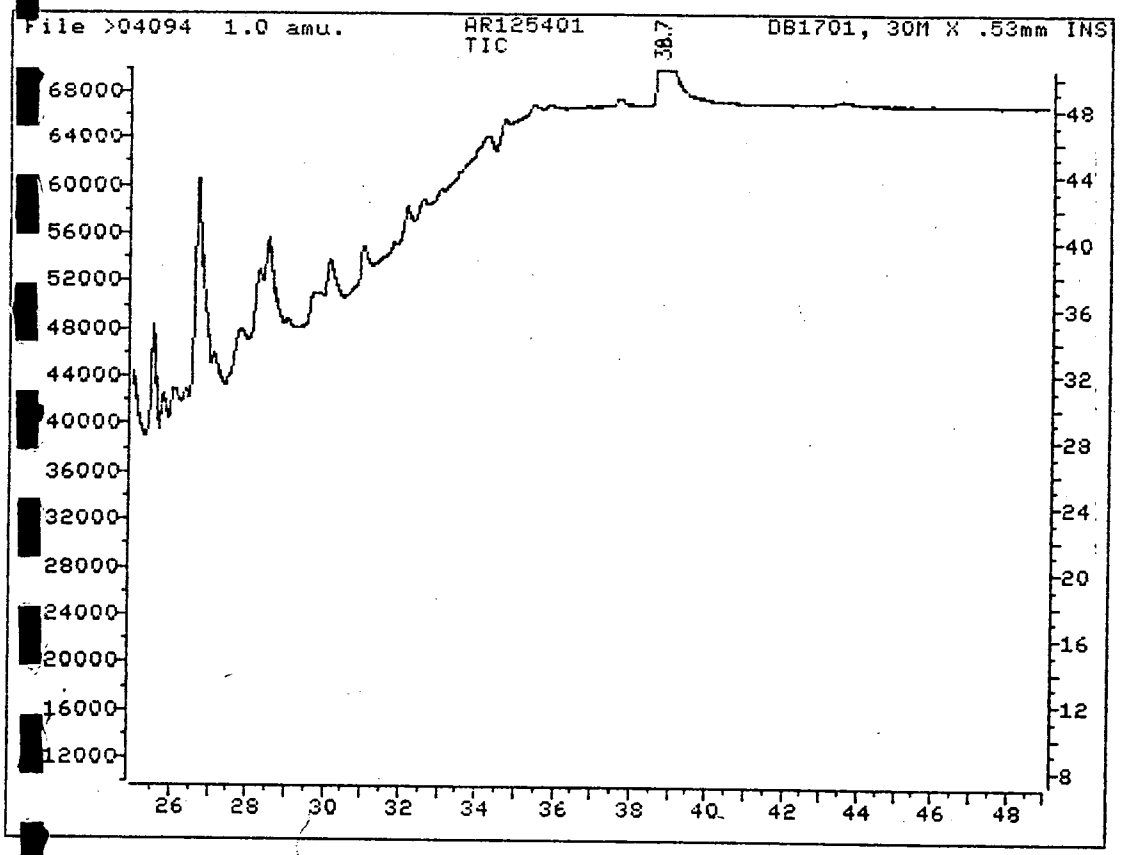


S data file header from : >04094::G5

Sample: AR125401 Operator: TRFIL 7/01/96 20:27
isc : DB1701, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



G5 data file header from : >04094::G5

Sample: AR125401 Operator: TRFIL 7/01/96 20:27
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Ms. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFIL
Output File: ^03095::F3
Data File: >03095::G3
Name: TOXAPH-01
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960704 15:18
Injected at: 960701 21:23
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2427392	19.40	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.68	5001	2527037	21.18	ng/ml	100
22)	#Toxaphene(1)	0.500	23.72	2846	801863	500.00	ng/ml	100
31)	#Toxaphene(2)	0.500	27.58	3309	920074	500.00	ng/ml	100
32)	#Toxaphene(3)	0.500	28.32	3398	1249741	500.00	ng/ml	100
33)	#Toxaphene(4)	0.500	30.47	3656	963912	500.00	ng/ml	100

Compound uses ESTD

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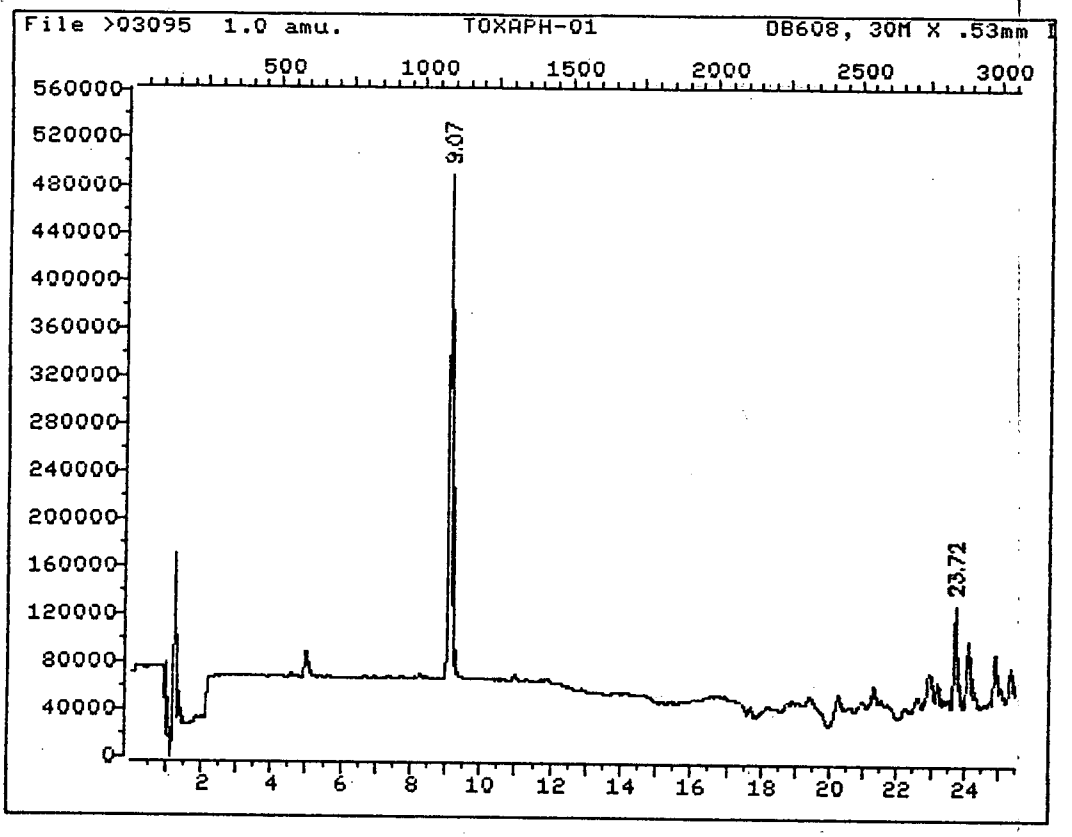
7/9/96

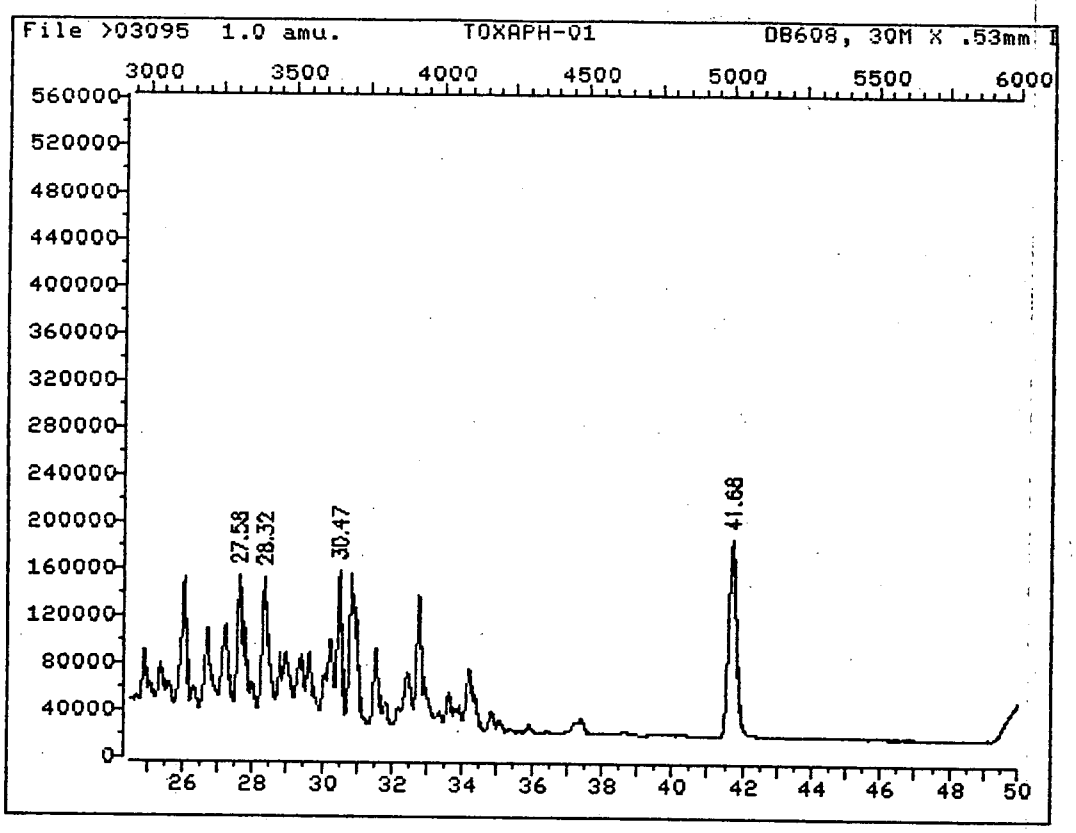


Data File: >03095::G3 Quant Output File: ^03095::F3
Name: TOXAPH-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960704 15:18
Injected at: 960701 21:23

Page 1 of 2



Data File: >03095::G3 Quant Output File: ^03095::F3
Name: TOXAPH-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960704 15:18
Injected at: 960701 21:23

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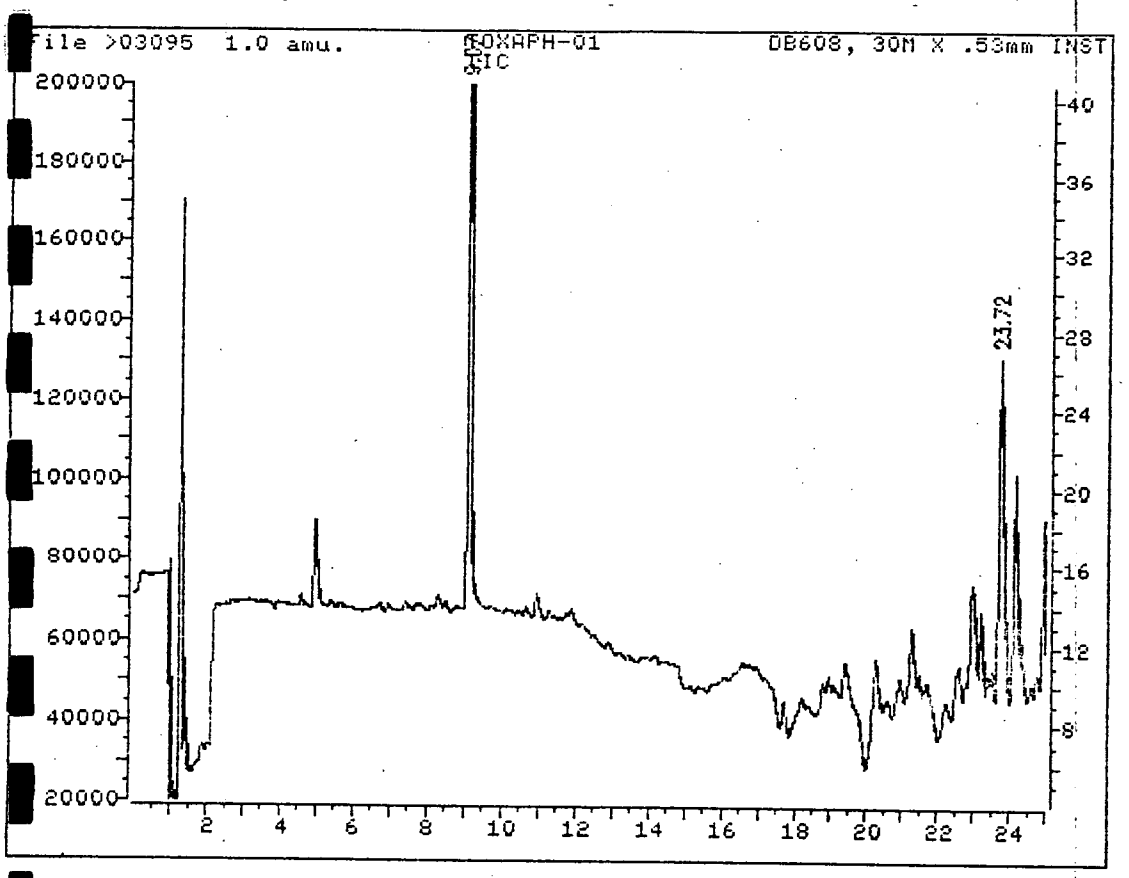
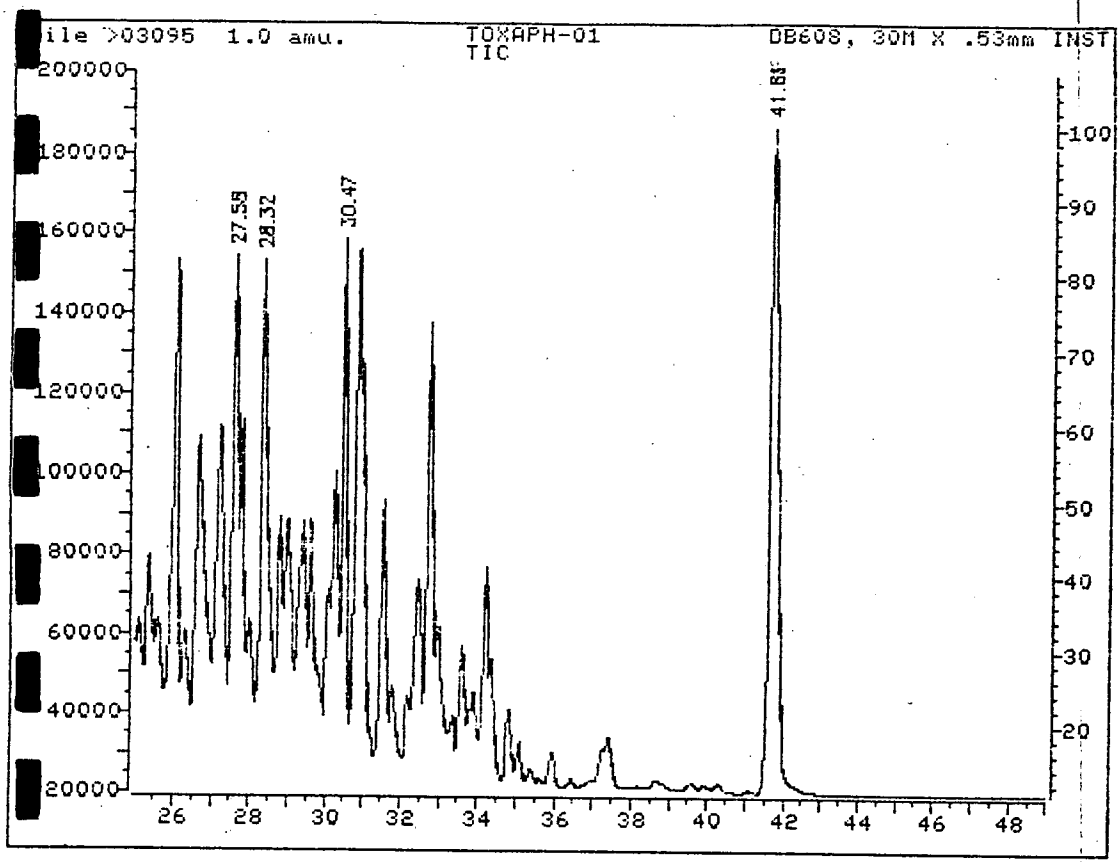


MS data file header from : >03095::G3

Sample: TOXAPH-01 Operator: TRFIL 7/01/96 21:23
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 : >03095::G3

Sample: TOXAPH-01 Operator: TRFIL 7/01/96 21:23
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: ^04095::F3
Data File: >04095::G5
Name: TOXAPH01
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960702 22:01
Injected at: 960701 21:23
Dilution Factor: 1.00000
Instrument ID: GC04

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

Last Qcal Time: 960701 21:23

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	799413	19.30	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.71	4645	950113	20.35	ng/ml	100
22)	#Toxaphene(1)	0.500	25.17	3020	269089	500.00	ng/ml	100
31)	#Toxaphene(2)	0.500	28.39	3406	360370	500.00	ng/ml	100
32)	#Toxaphene(3)	0.500	30.37	3644	246435	500.00	ng/ml	100
33)	#Toxaphene(4)	0.500	31.80	3816	250897	500.00	ng/ml	100

Compound uses ESTD

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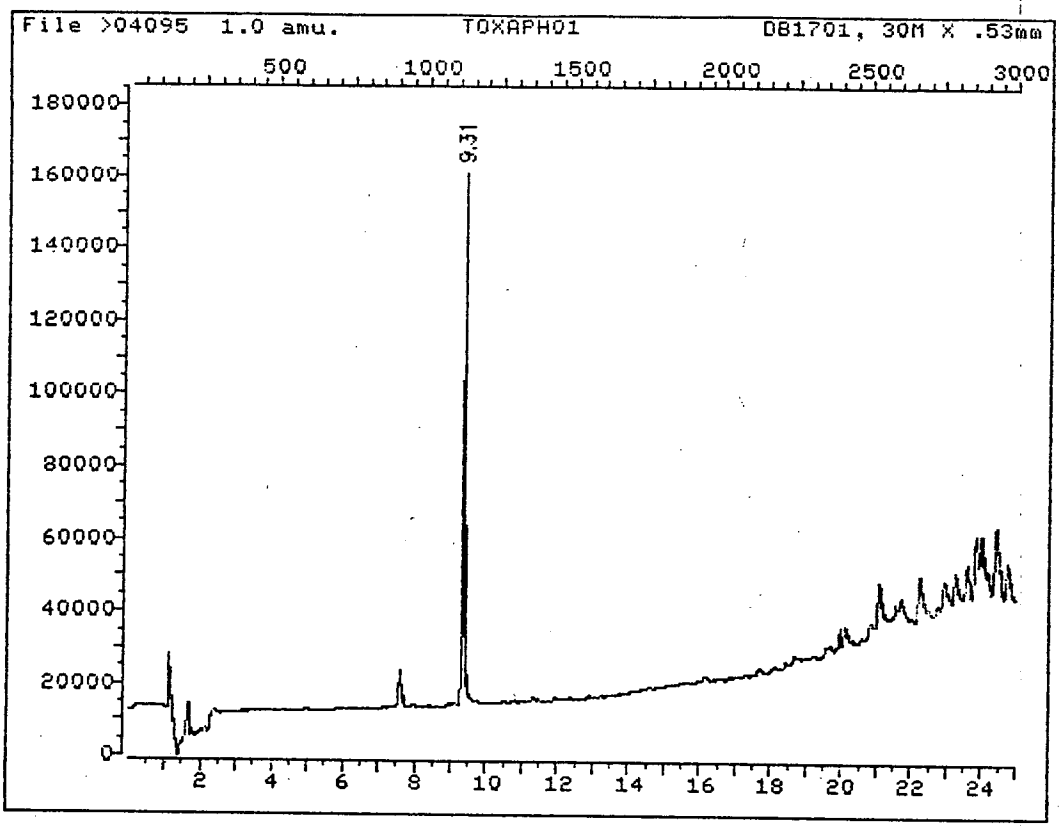
7/10/96



Data File: >04095::G5
Name: TOXAPH01
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Output File: ^04095::F3
Instrument ID: GC04

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 22:01
Injected at: 960701 21:23

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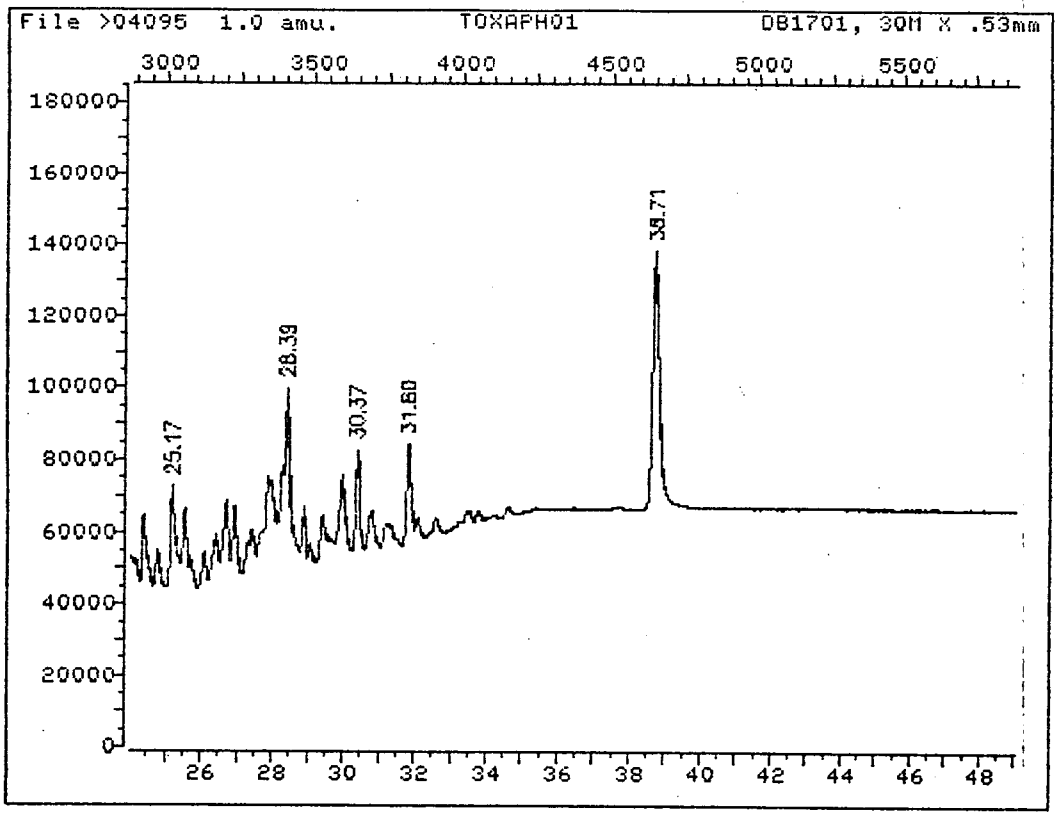

Data File: >04095::G5 Quant Output File: ^04095::F3
Name: TOXAPH01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 22:01
Injected at: 960701 21:23

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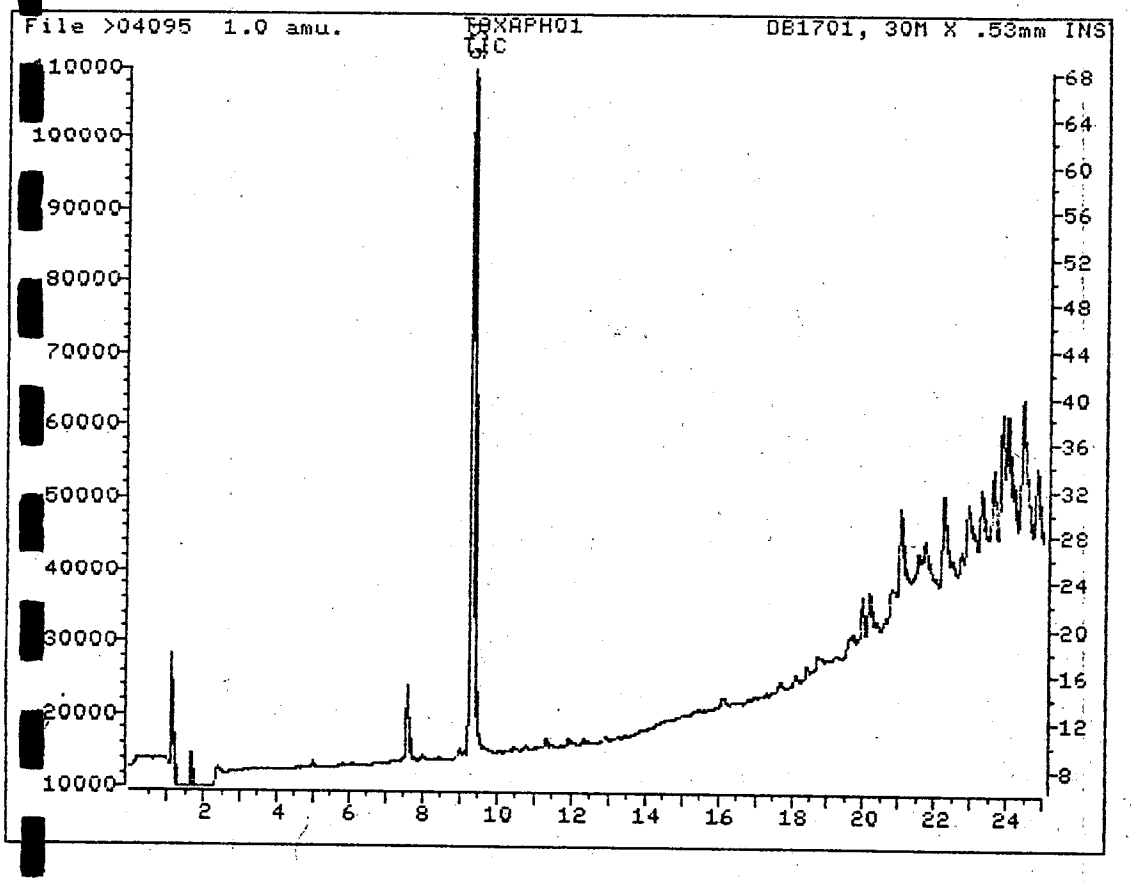
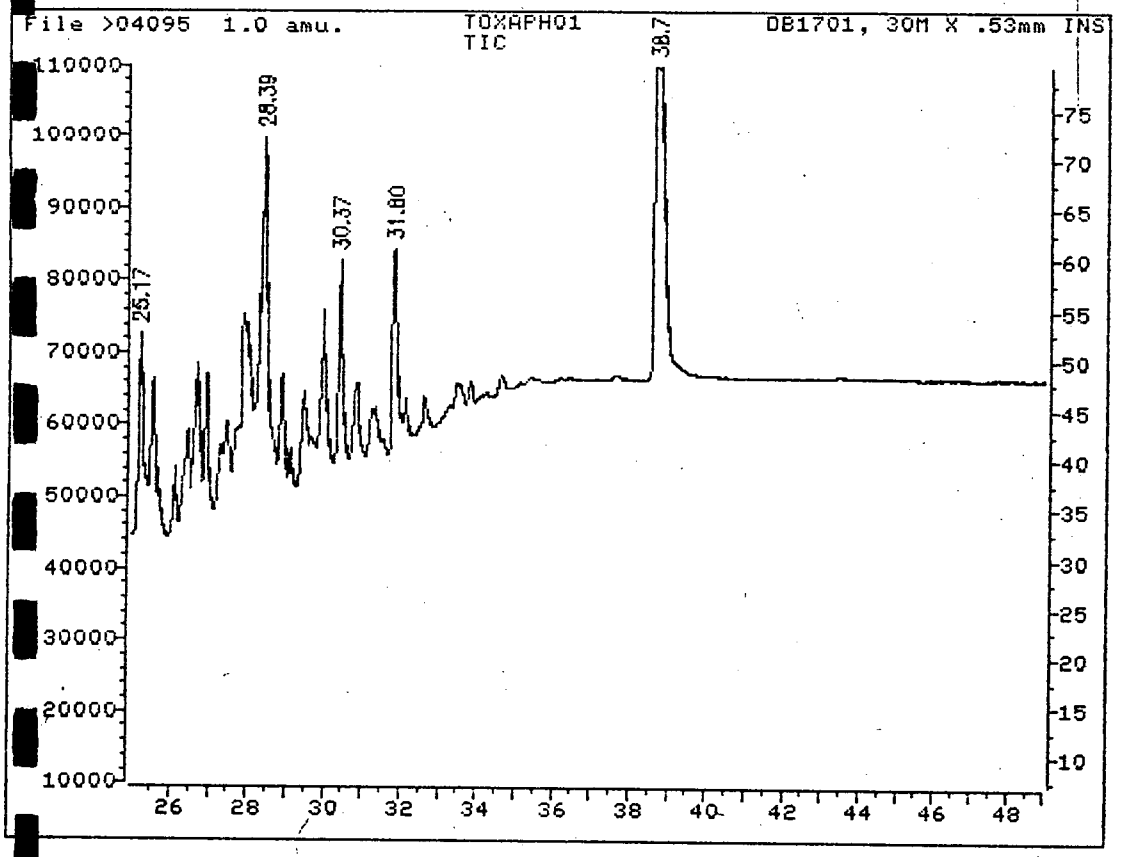


S data file header from : >04095::G5

Sample: TOXAPH01 Operator: TRFIL 7/01/96 21:23
isc : DB1701, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



S data file header from : >04095::G5

Sample: TOXAPH01 Operator: TRFIL 7/01/96 21:23
isc : DB1701, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 13:56
Output File: ^03298::GQ Injected at: 960713 16:30
Data File: >03298::F3 Dilution Factor: 1.00000
Name: AR166001A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2345641	19.61	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.65	4998	2417879	20.91	ng/ml	100
23)	#Aroclor-1016(1)	0.100	12.29	1475	285683	100.00	ng/ml	100
29)	#Aroclor-1260(1)	0.100	24.39	2927	640187	100.00	ng/ml	100
34)	#Aroclor-1016(2)	0.100	14.30	1716	580645	100.00	ng/ml	100
35)	#Aroclor-1016(3)	0.100	16.02	1922	1117482	100.00	ng/ml	100
36)	#Aroclor-1016(4)	0.100	16.77	2012	384954	100.00	ng/ml	100
37)	#Aroclor-1016(5)	0.100	19.01	2281	338233	100.00	ng/ml	100
55)	#Aroclor-1260(2)	0.100	24.85	2982	712420	100.00	ng/ml	100
56)	#Aroclor-1260(3)	0.100	26.57	3188	460343	100.00	ng/ml	100
57)	#Aroclor-1260(4)	0.100	30.16	3619	1095286	100.00	ng/ml	100
58)	#Aroclor-1260(5)	0.100	32.92	3950	497340	100.89	ng/ml	100

Compound uses ESTD

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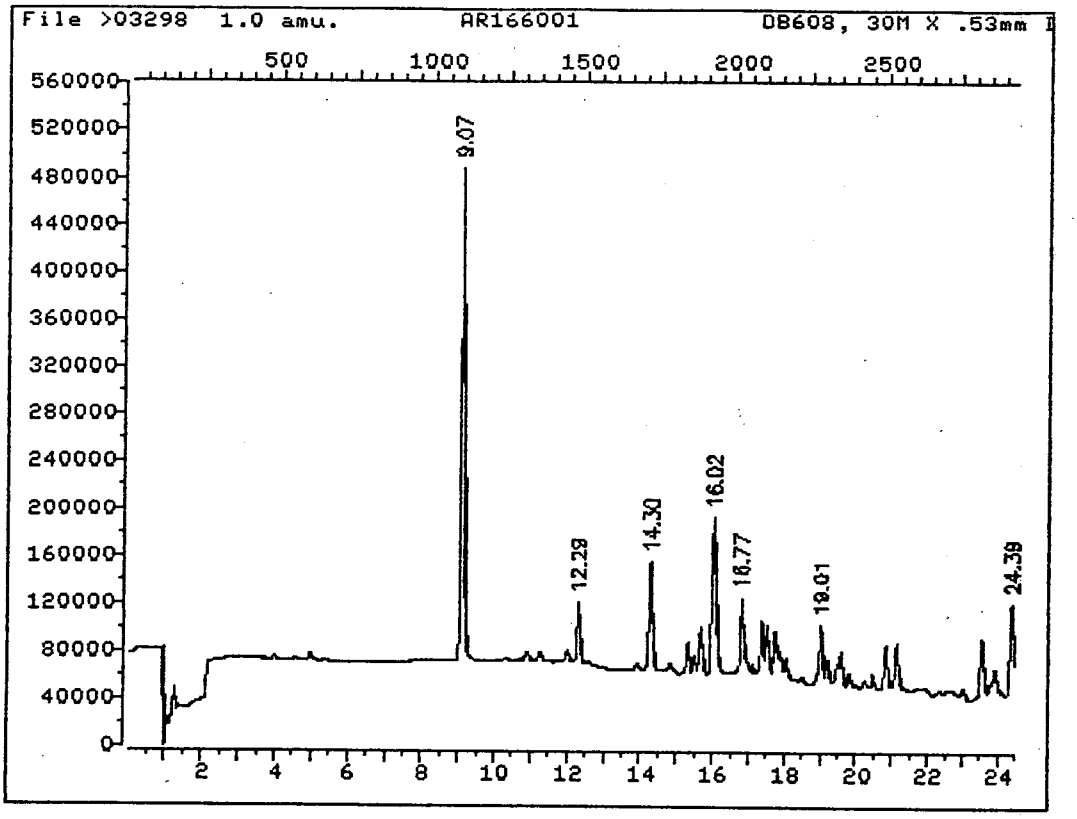
7/22/96



Data File: >03298::F3 Quant Output File: ^03298::GQ
Name: AR166001 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 13:56
Injected at: 960713 16:30

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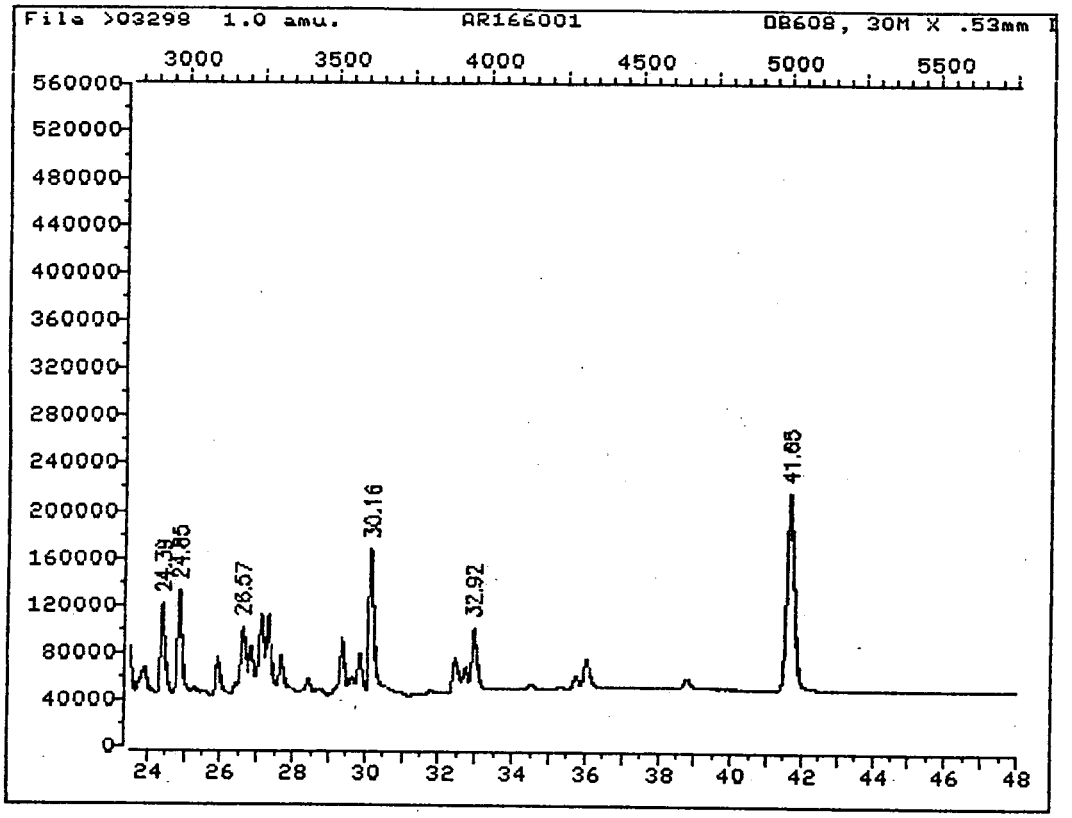

Data File: >03298::F3 Quant Output File: ^03298::GQ
Name: AR166001 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 13:56
Injected at: 960713 16:30

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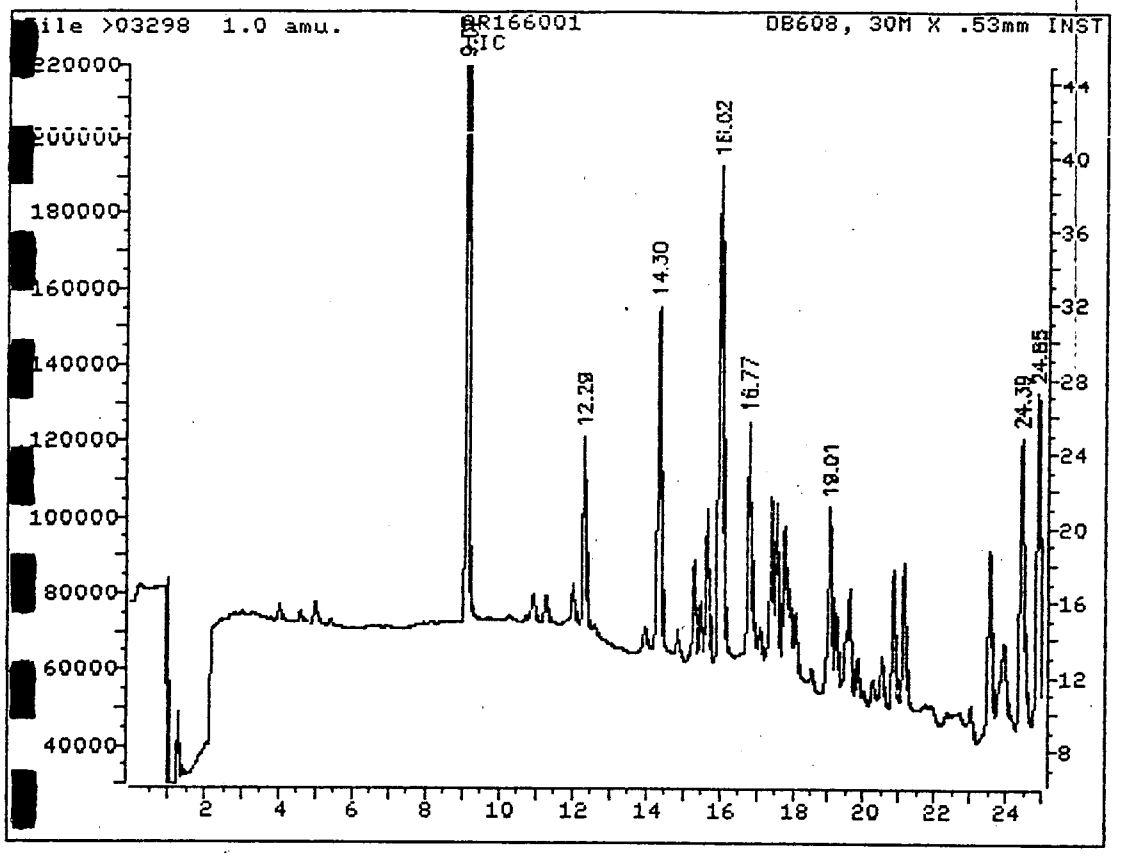
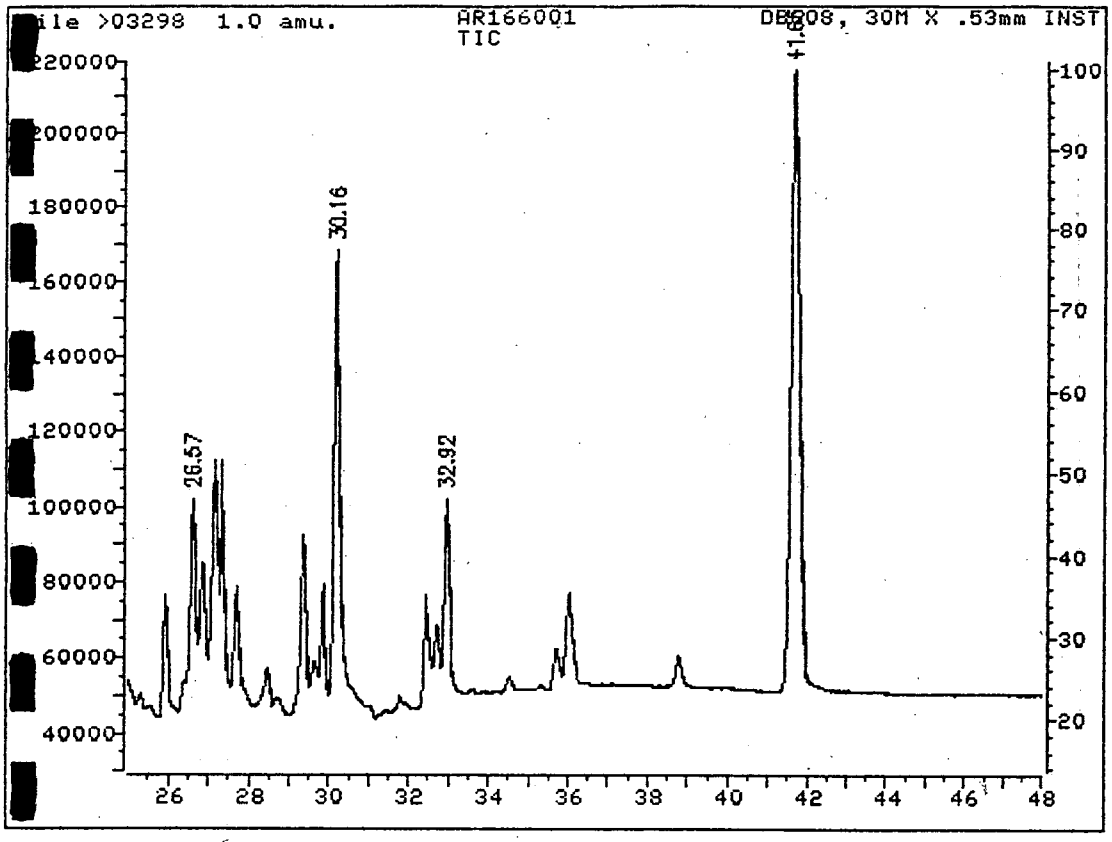


MS data file header from : >03298::F3

Sample: AR166001 Operator: TRFI2 7/13/96 16:30
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 : >03298::F3

ample: AR166001 Operator: TRFI2 7/13/96 16:30
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:15
Output File: ^04298::GQ Injected at: 960713 16:30
Data File: >04298::G1 Dilution Factor: 1.00000
Name: AR16601A Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	811603	19.84	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.70	4644	936254	20.42	ng/ml	100
23)	#Aroclor-1016(1)	0.100	12.07	1449	121135	100.00	ng/ml	100
29)	#Aroclor-1260(1)	0.100	23.78	2853	248153	100.00	ng/ml	100
34)	#Aroclor-1016(2)	0.100	13.84	1661	247019	100.00	ng/ml	100
35)	#Aroclor-1016(3)	0.100	15.97	1917	401856	100.00	ng/ml	100
36)	#Aroclor-1016(4)	0.100	16.53	1984	153801	103.55	ng/ml	100
37)	#Aroclor-1016(5)	0.100	18.56	2227	195399	100.00	ng/ml	100
55)	#Aroclor-1260(2)	0.100	24.90	2988	285462	100.00	ng/ml	100
56)	#Aroclor-1260(3)	0.100	28.44	3412	166307	100.00	ng/ml	100
57)	#Aroclor-1260(4)	0.100	30.05	3606	427756	100.00	ng/ml	100
58)	#Aroclor-1260(5)	0.100	32.03	3843	268903	97.56	ng/ml	100

Compound uses ESTD

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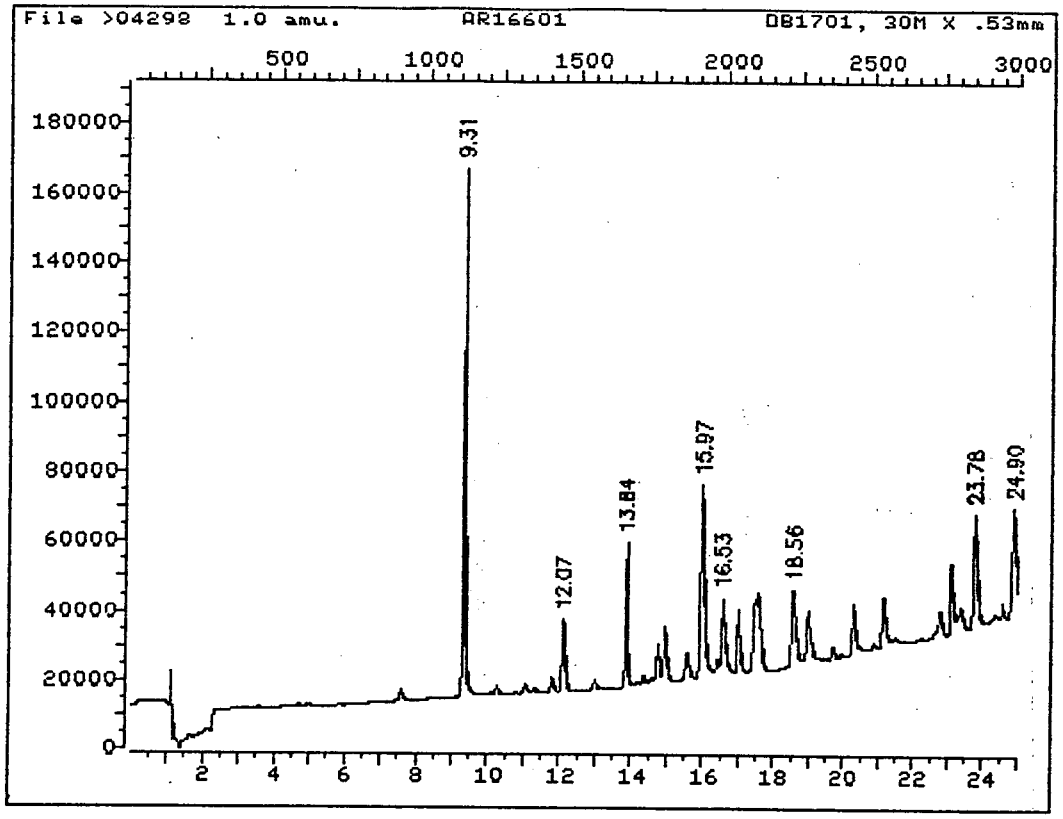
7/22/96



Data File: >04298::G1 Quant Output File: ^04298::GQ
Name: AR16601 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:15
Injected at: 960713 16:30

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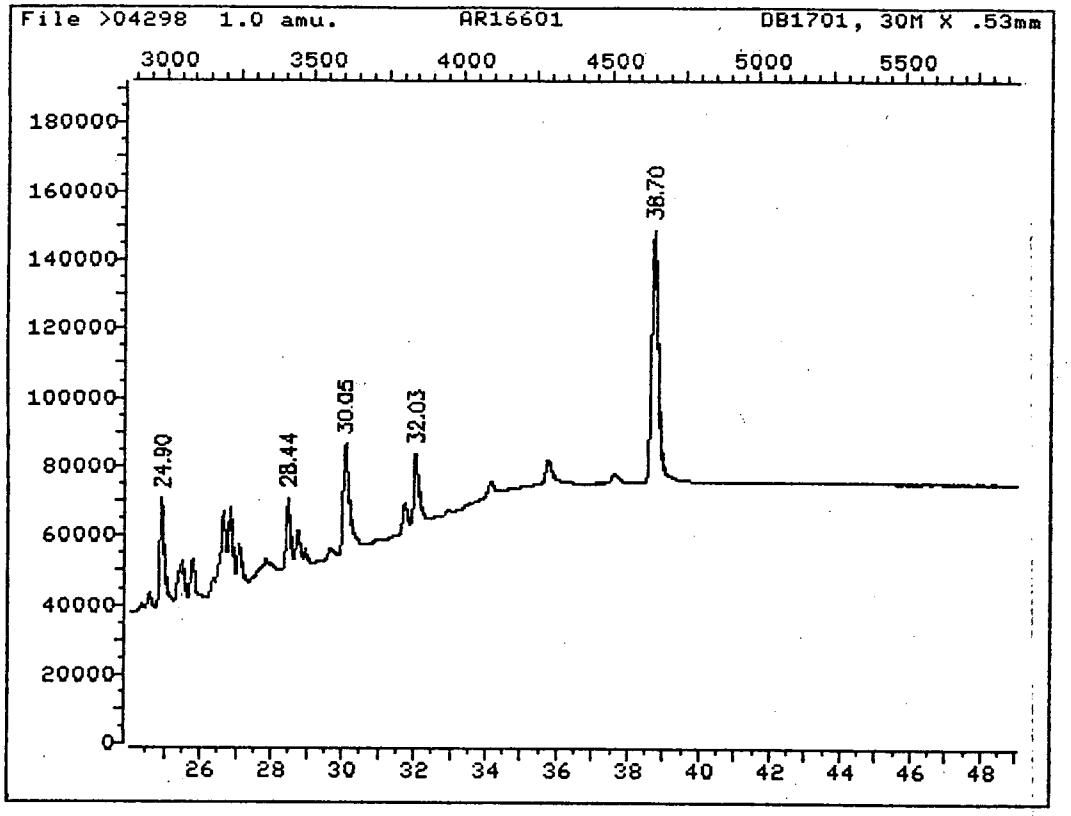

Data File: >04298::G1 Quant Output File: ^04298::GQ
Name: AR16601 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:15
Injected at: 960713 16:30

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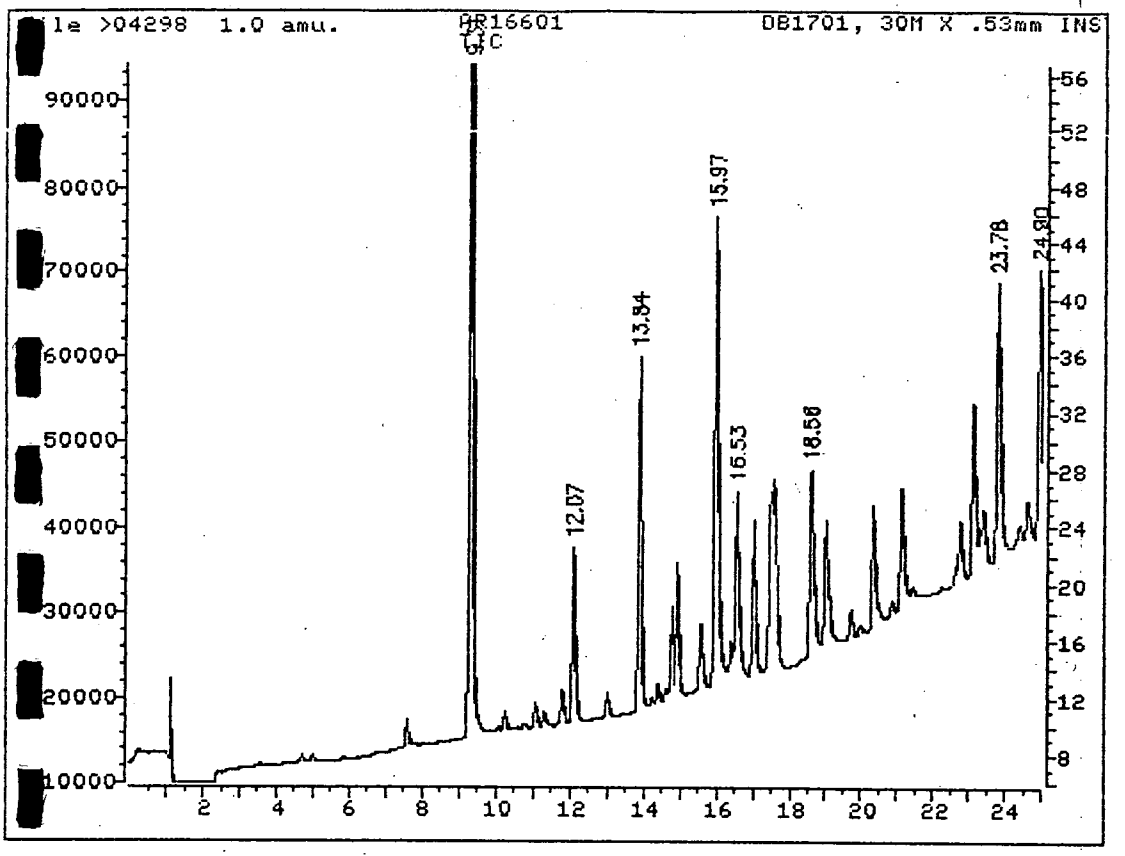
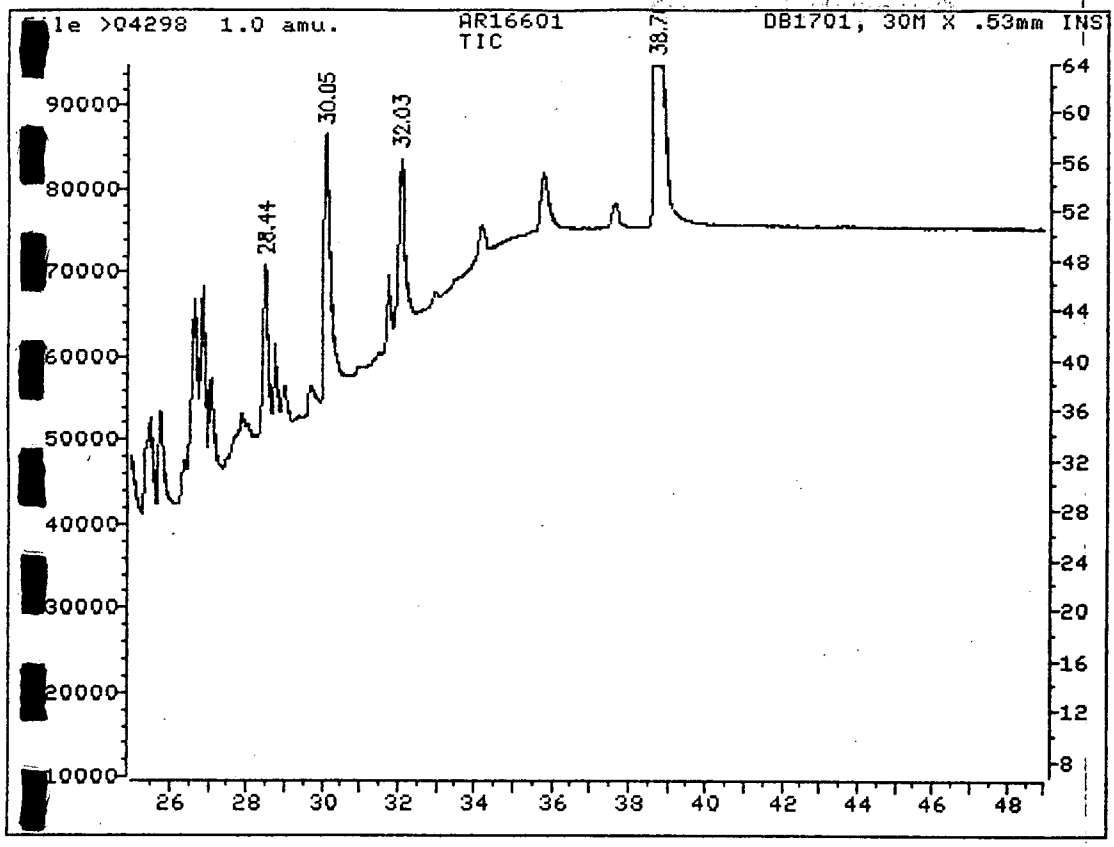


MS data file header from : >04298::G1

ample: AR16601 Operator: TRFI2 7/13/96 16:30
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 : >04298::G1

Sample: AR16601 Operator: TRFI2 7/13/96 16:30
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFI2
Output File: ^03299::GQ
Data File: >03299::F3
Name: AR122101A
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960719 13:58
Injected at: 960713 17:26
Dilution Factor: 1.00000
Instrument ID: GC03

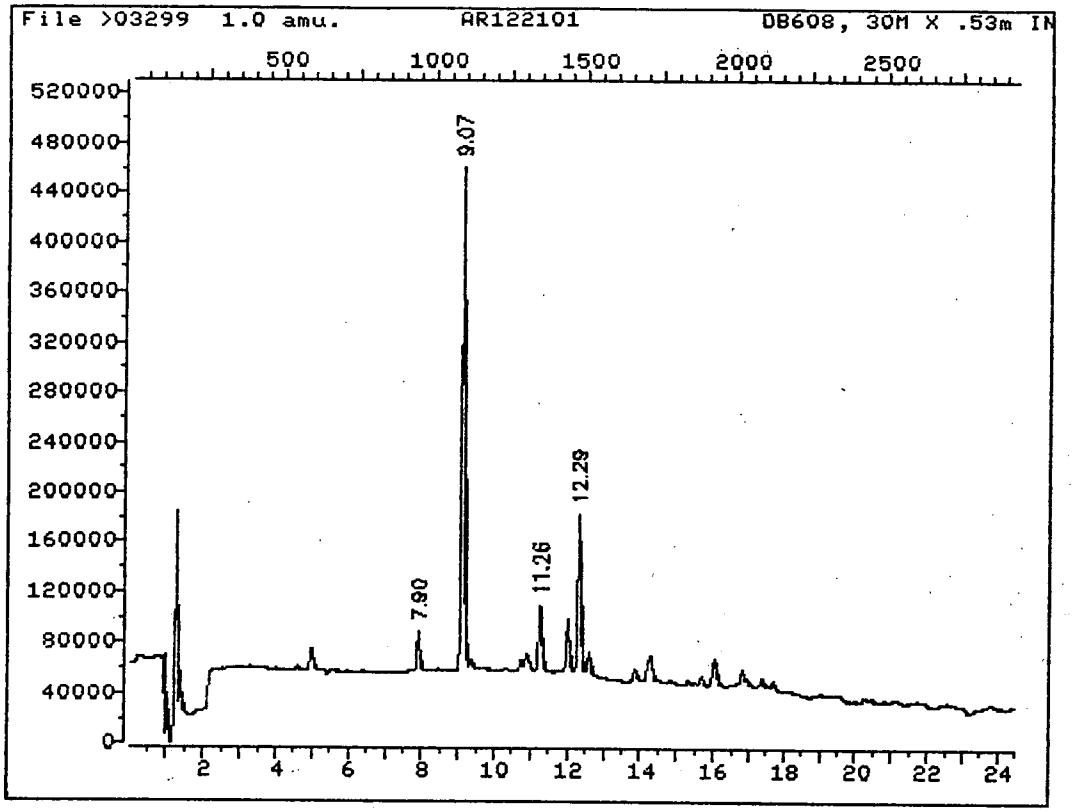
ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07

Last Qcal Time: 960713 22:00

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2268110	18.96	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.66	4999	2356754	20.38	ng/ml	100
24)	#Aroclor-1221(1)	0.200	7.90	948	171947	200.00	ng/ml	100
38)	#Aroclor-1221(2)	0.200	11.26	1351	325020	200.00	ng/ml	100
39)	#Aroclor-1221(3)	0.200	12.29	1475	741418	200.00	ng/ml	100

Compound uses ESTD

EPrice
7/22/96



Data File: >03299::F3 Quant Output File: ^03299::GQ
Name: AR122101 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 13:58
Injected at: 960713 17:26

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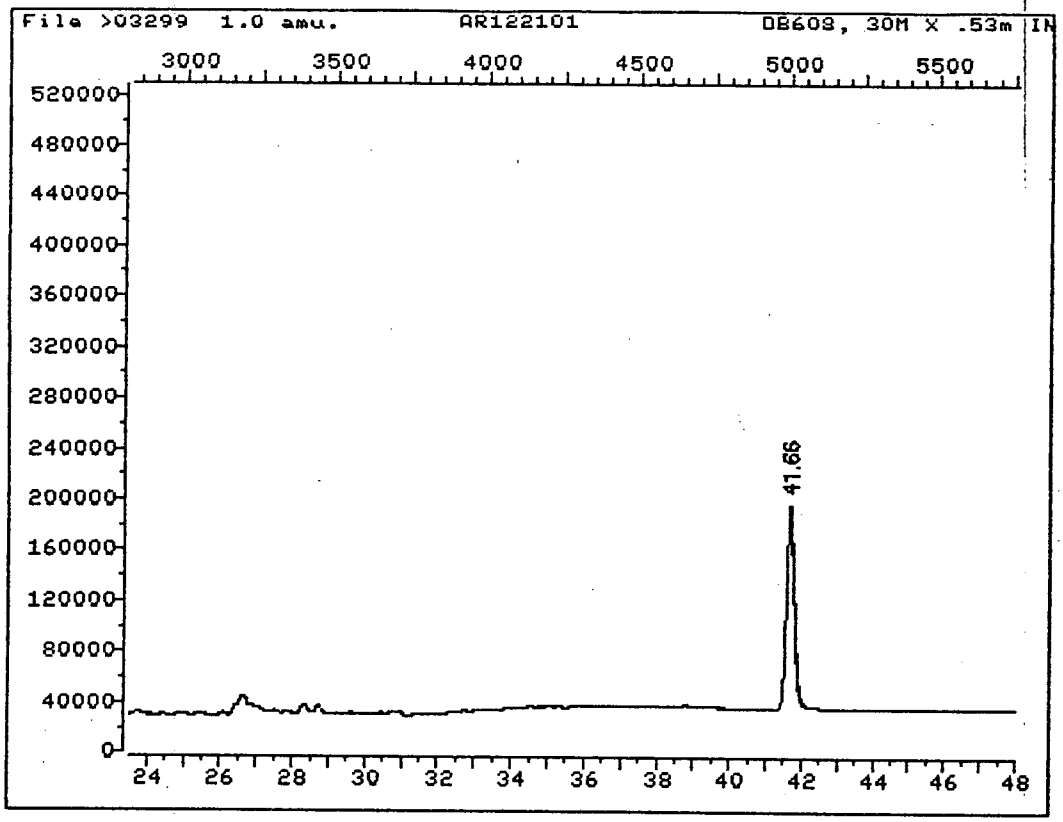

Data File: >03299::F3 Quant Output File: ^03299::GQ
Name: AR122101 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 13:58
Injected at: 960713 17:26

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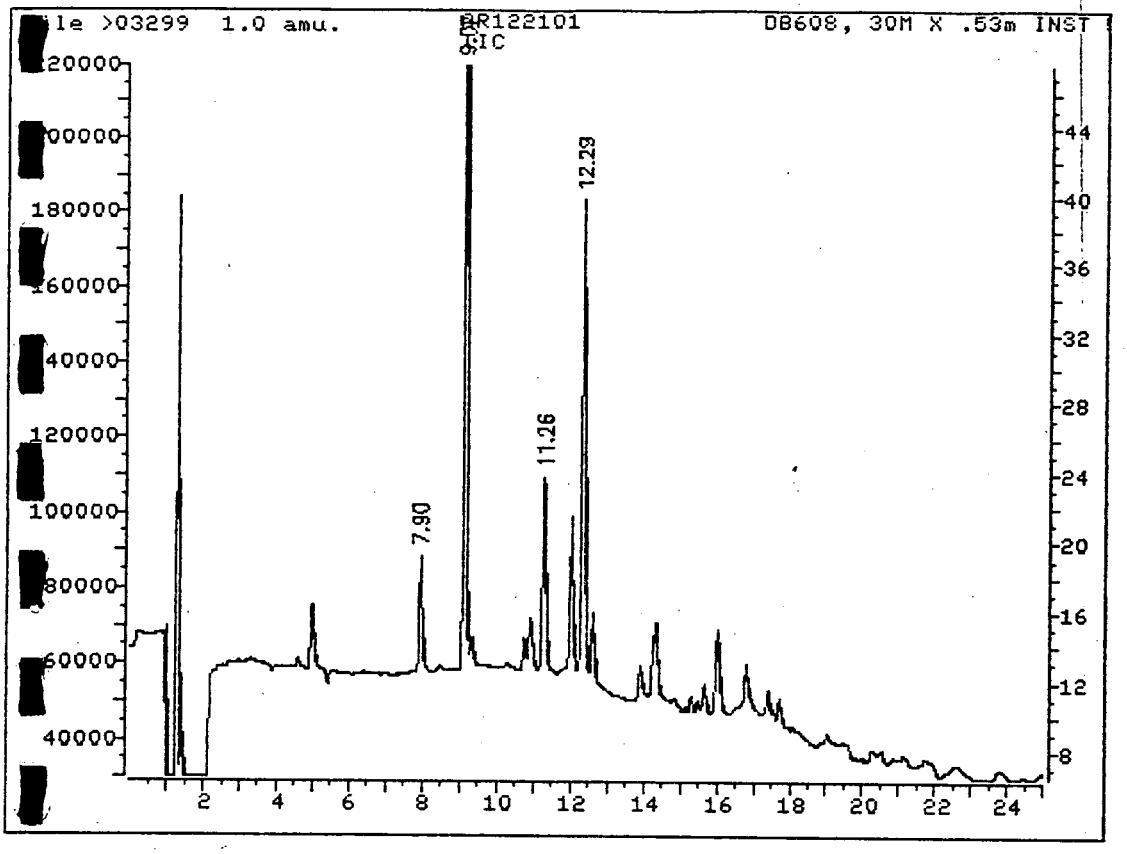
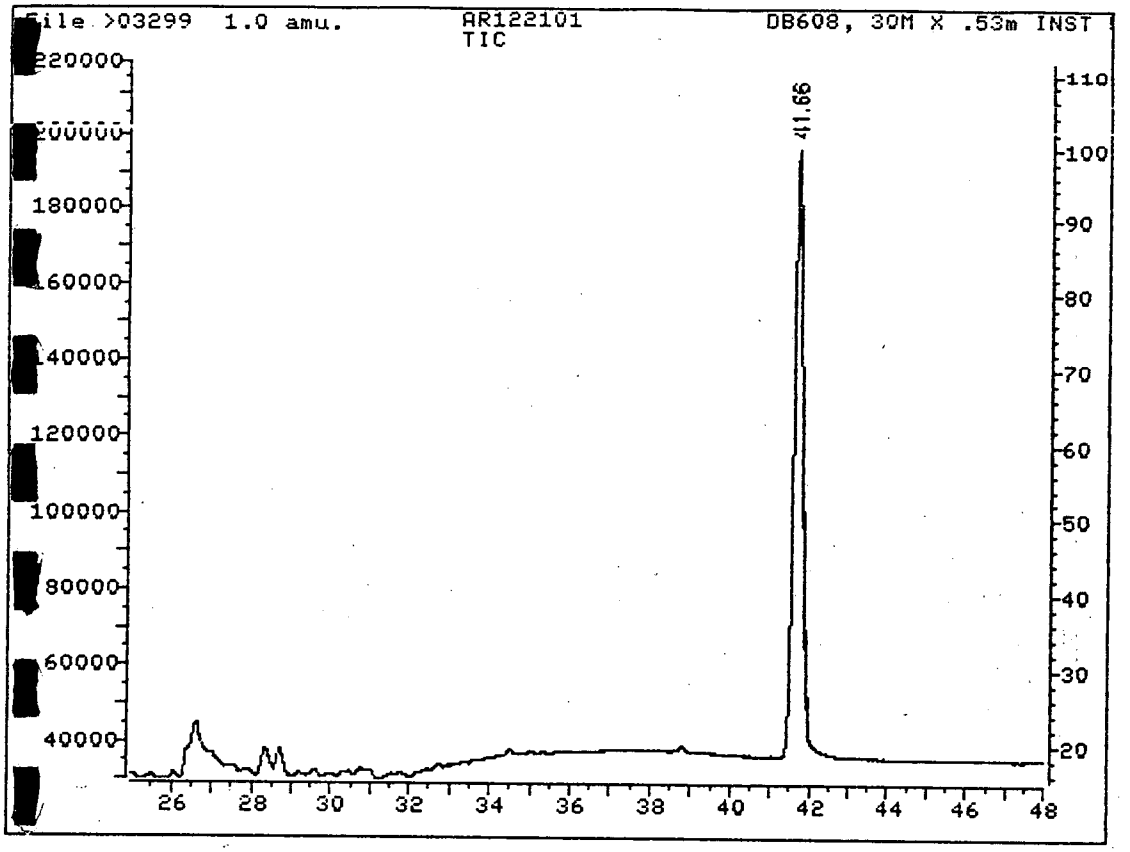


MS data file header from : >03299::F3

Sample: AR122101 Operator: TRFI2 7/13/96 17:26
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 : >03299::F3

Sample: AR122101 Operator: TRFI2 7/13/96 17:26
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

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:16
Output File: ^04299::GQ Injected at: 960713 17:26
Data File: >04299::G1 Dilution Factor: 1.00000
Name: AR122101A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	773908	18.92	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.70	4644	907629	19.79	ng/ml	100
24)	#Aroclor-1221(1)	0.200	7.58	910	152882	200.00	ng/ml	100
38)	#Aroclor-1221(2)	0.200	11.07	1328	130359	200.00	ng/ml	100
39)	#Aroclor-1221(3)	0.200	12.07	1449	339124	200.00	ng/ml	100

Compound uses ESTD

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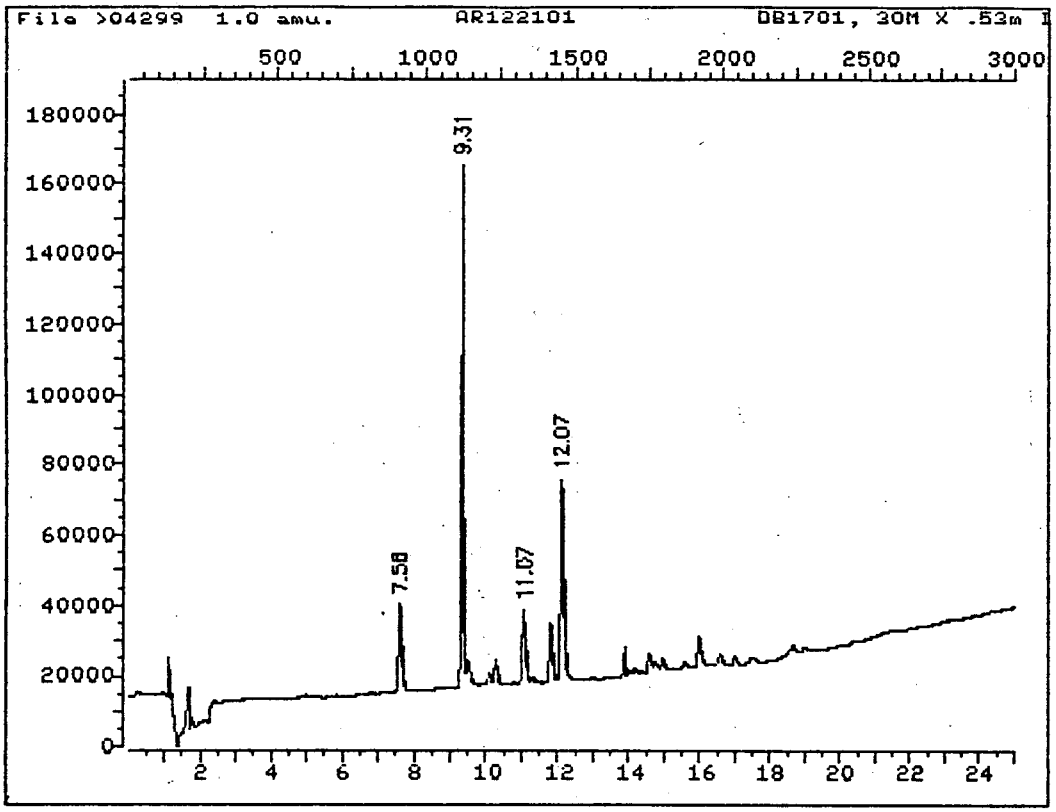

Data File: >04299::G1 Quant Output File: ^04299::GQ
Name: AR122101 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:16
Injected at: 960713 17:26

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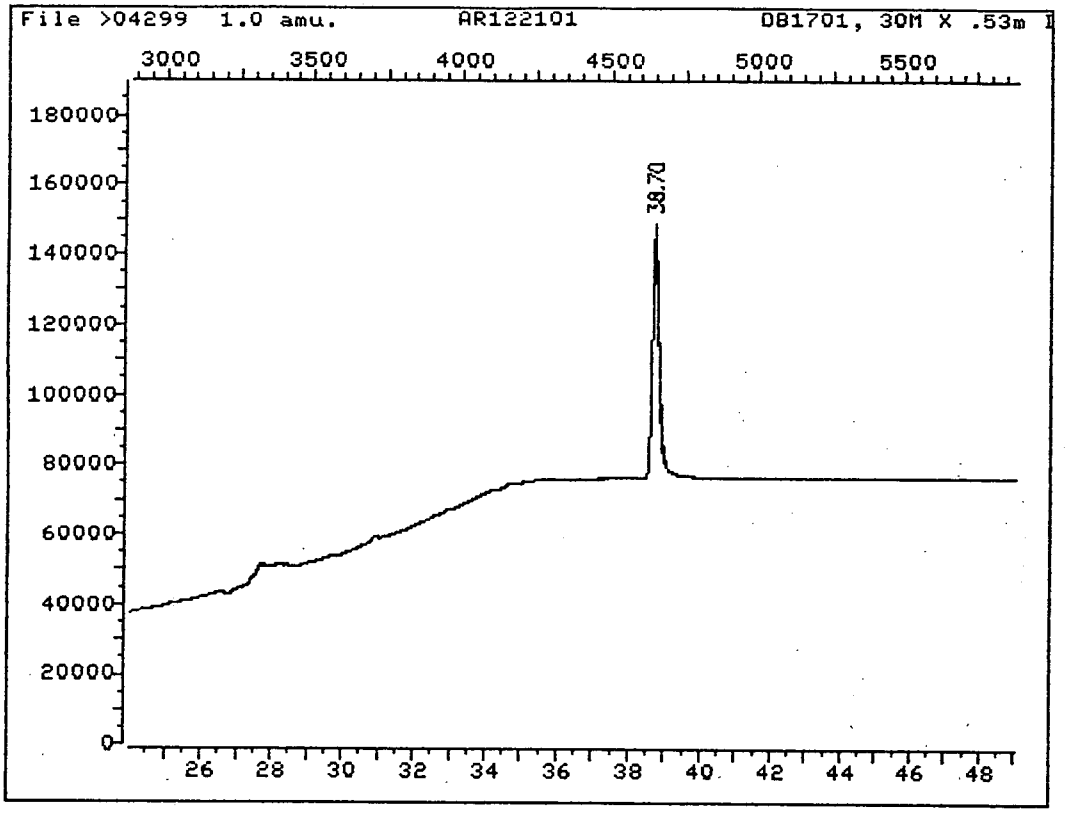

Data File: >04299::G1 Quant Output File: ^04299::GQ
Name: AR122101 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:16
Injected at: 960713 17:26

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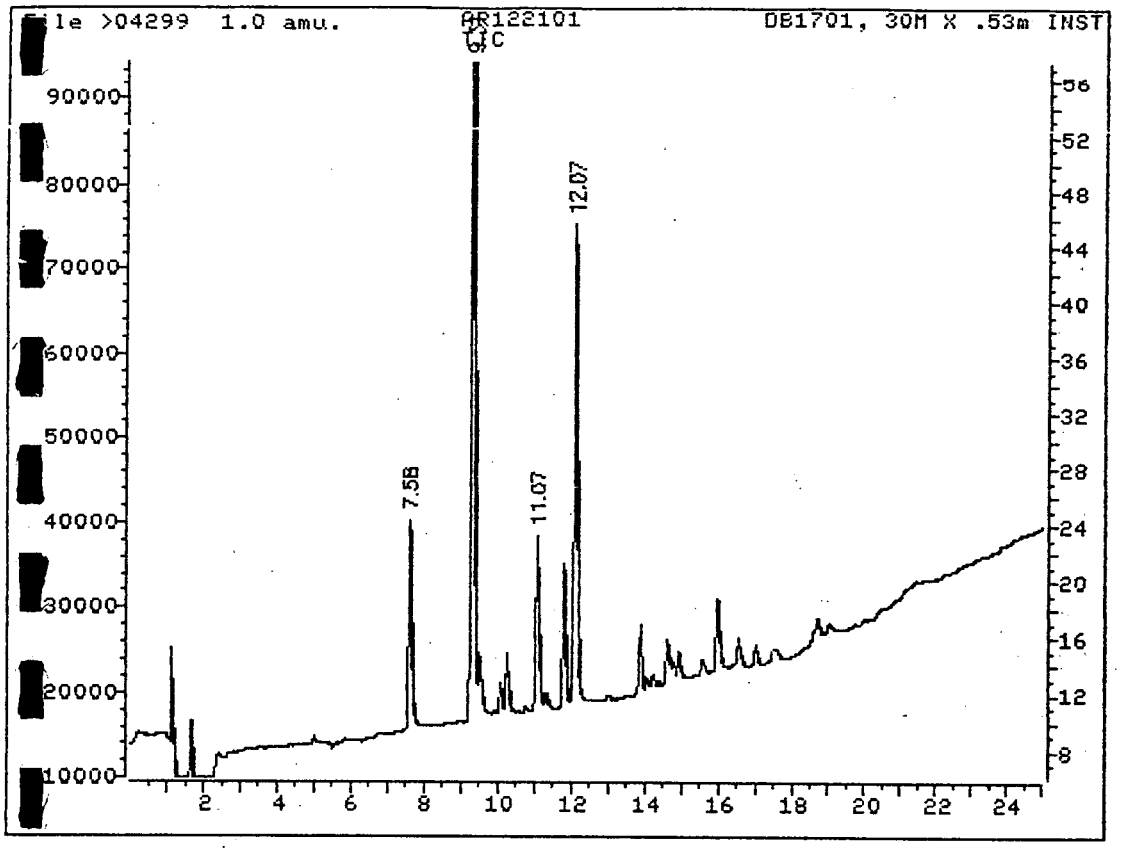
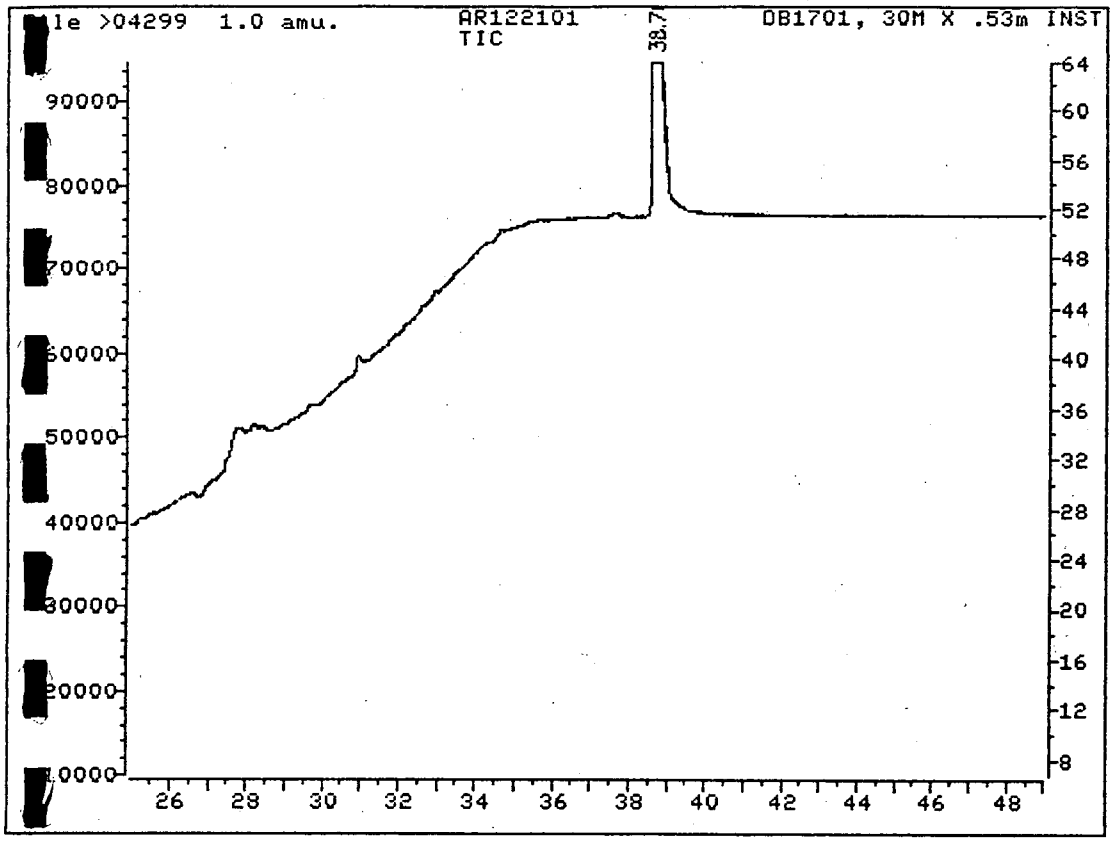


MS data file header from : >04299::G1

Sample: AR122101 Operator: TRFI2 7/13/96 17:26
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 : >04299::G1

ample: AR122101 Operator: TRFI2 7/13/96 17:26
isc : 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

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 13:59
Output File: ^03300::GQ Injected at: 960713 18:21
Data File: >03300::F3 Dilution Factor: 1.00000
Name: AR123201A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2280308	19.06	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.66	4999	2365257	20.46	ng/ml	100
25)	#Aroclor-1232(1)	0.100	12.29	1475	269148	100.00	ng/ml	100
40)	#Aroclor-1232(2)	0.100	14.30	1716	280461	99.90	ng/ml	100
41)	#Aroclor-1232(3)	0.100	16.02	1922	466714	100.00	ng/ml	100
42)	#Aroclor-1232(4)	0.100	16.77	2012	174765	100.00	ng/ml	100

Compound uses ESTD

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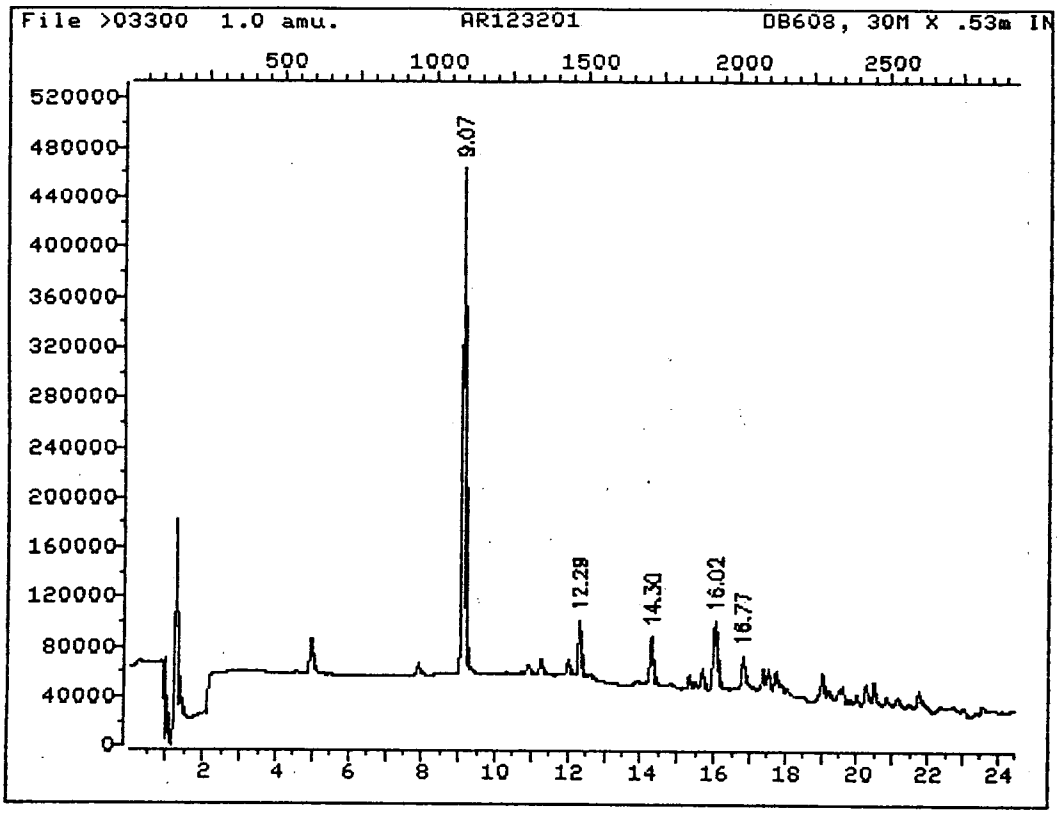

Data File: >03300::F3 Quant Output File: ^03300::GQ
Name: AR123201 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 13:59
Injected at: 960713 18:21

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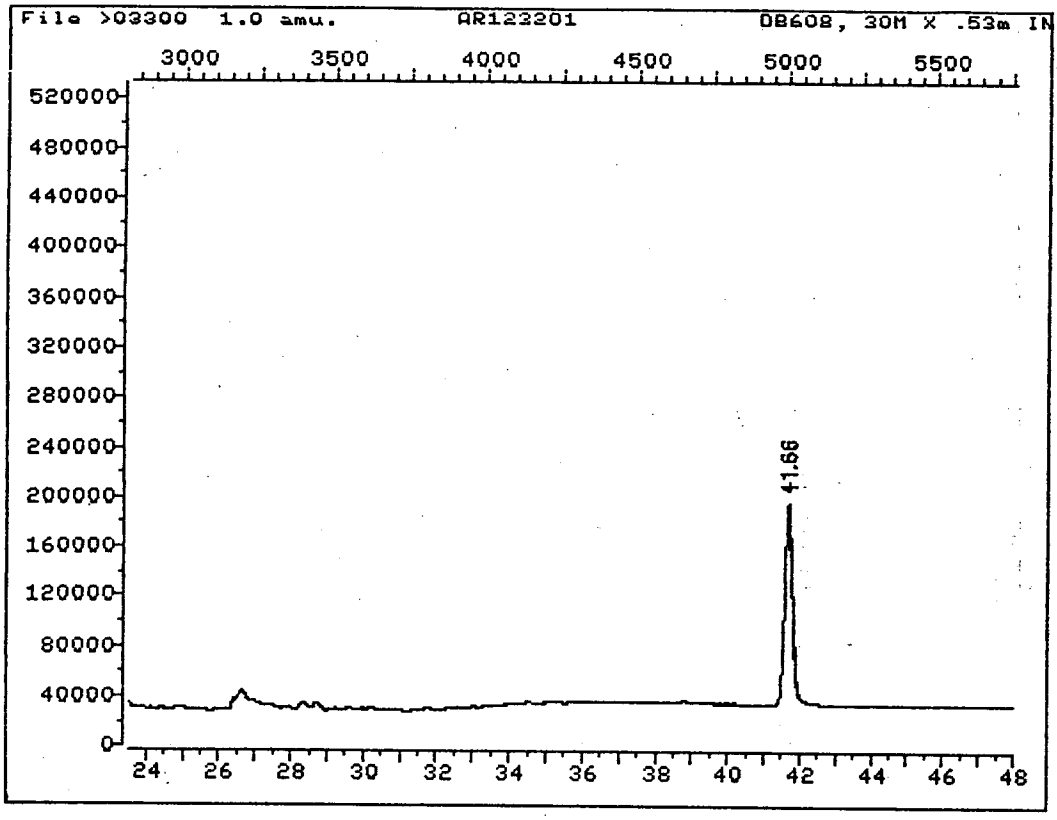

Data File: >03300::F3 Quant Output File: ^03300::GQ
Name: AR123201 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 13:59
Injected at: 960713 18:21

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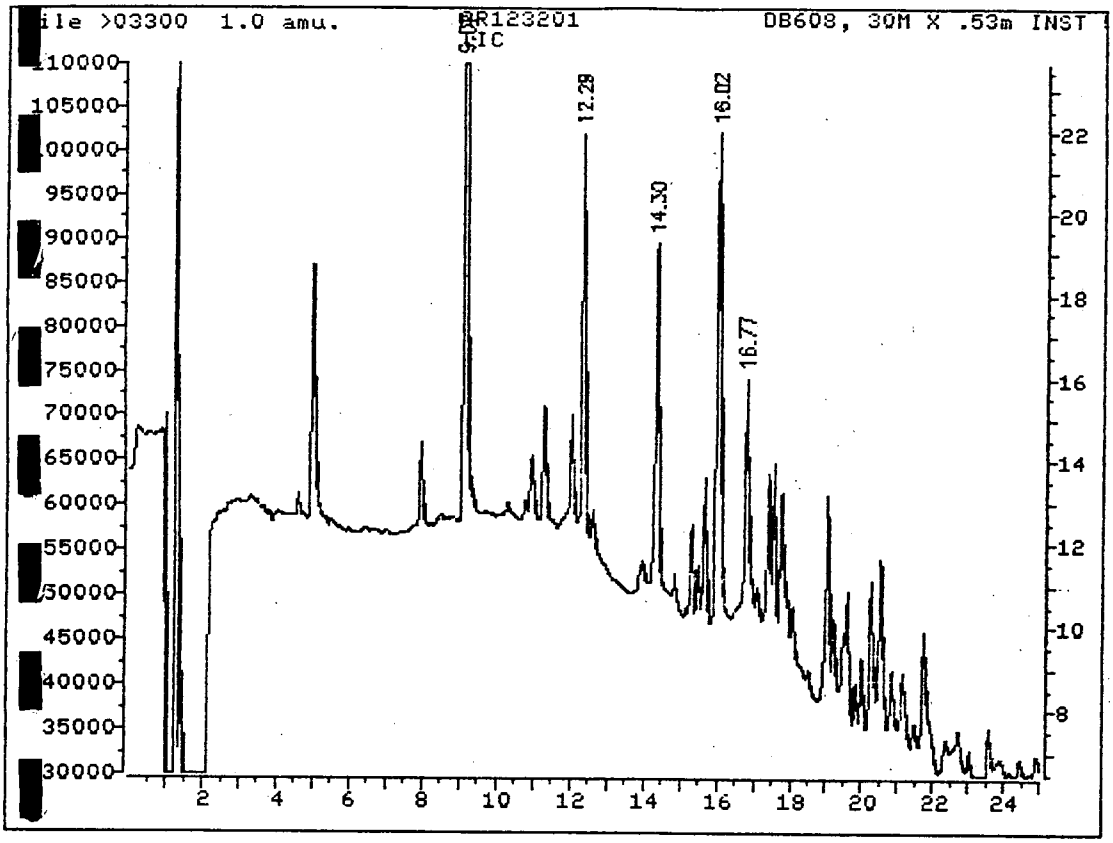
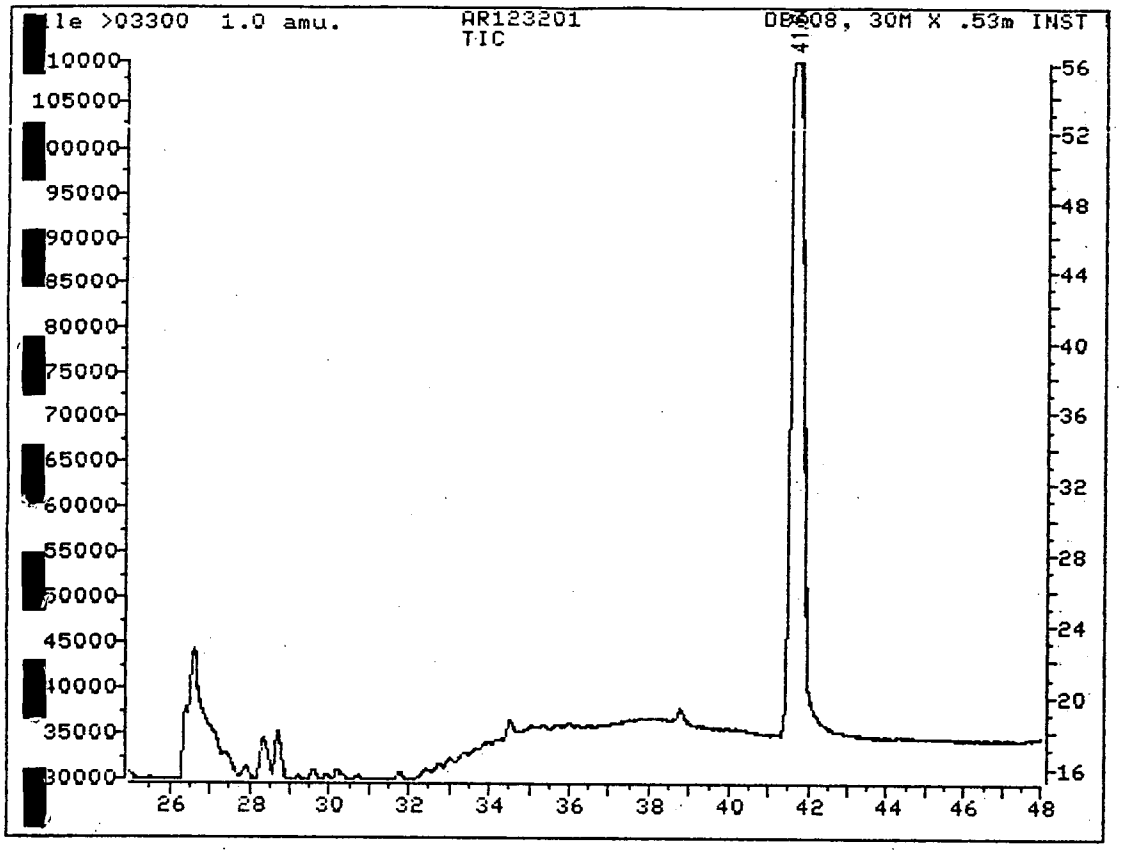


MS data file header from : >03300::F3

ample: AR123201 Operator: TRFI2 7/13/96 18:21
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 : >03300::F3

ample: AR123201 Operator: TRFI2 7/13/96 18:21
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

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:17
Output File: ^04300::GQ Injected at: 960713 18:21
Data File: >04300::G1 Dilution Factor: 1.00000
Name: AR123201 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	776688	18.98	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.71	4645	907181	19.78	ng/ml	100
25)	#Aroclor-1232(1)	0.100	7.56	907	110385	100.00	ng/ml	100
40)	#Aroclor-1232(2)	0.100	12.07	1449	113549	100.00	ng/ml	100
41)	#Aroclor-1232(3)	0.100	13.85	1662	99798	100.00	ng/ml	100
42)	#Aroclor-1232(4)	0.100	15.97	1917	162802	100.00	ng/ml	100

Compound uses ESTD

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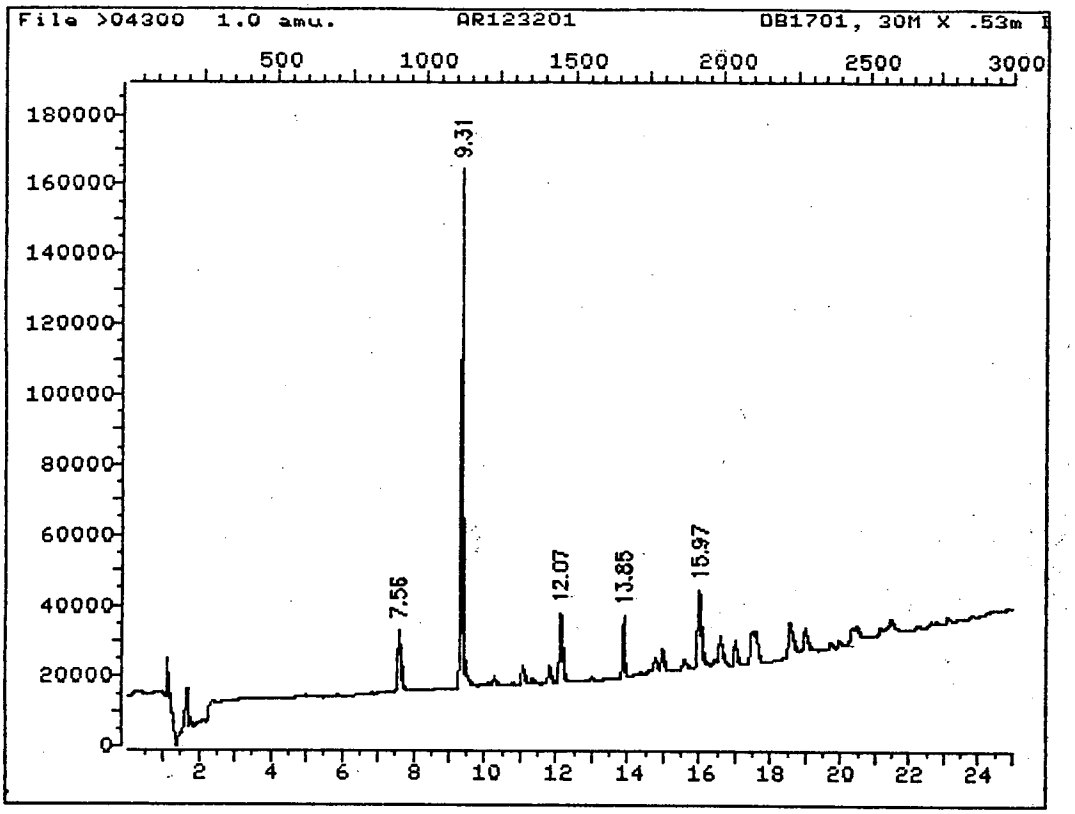

Data File: >04300::G1 Quant Output File: ^04300::GQ
Name: AR123201 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:17
Injected at: 960713 18:21

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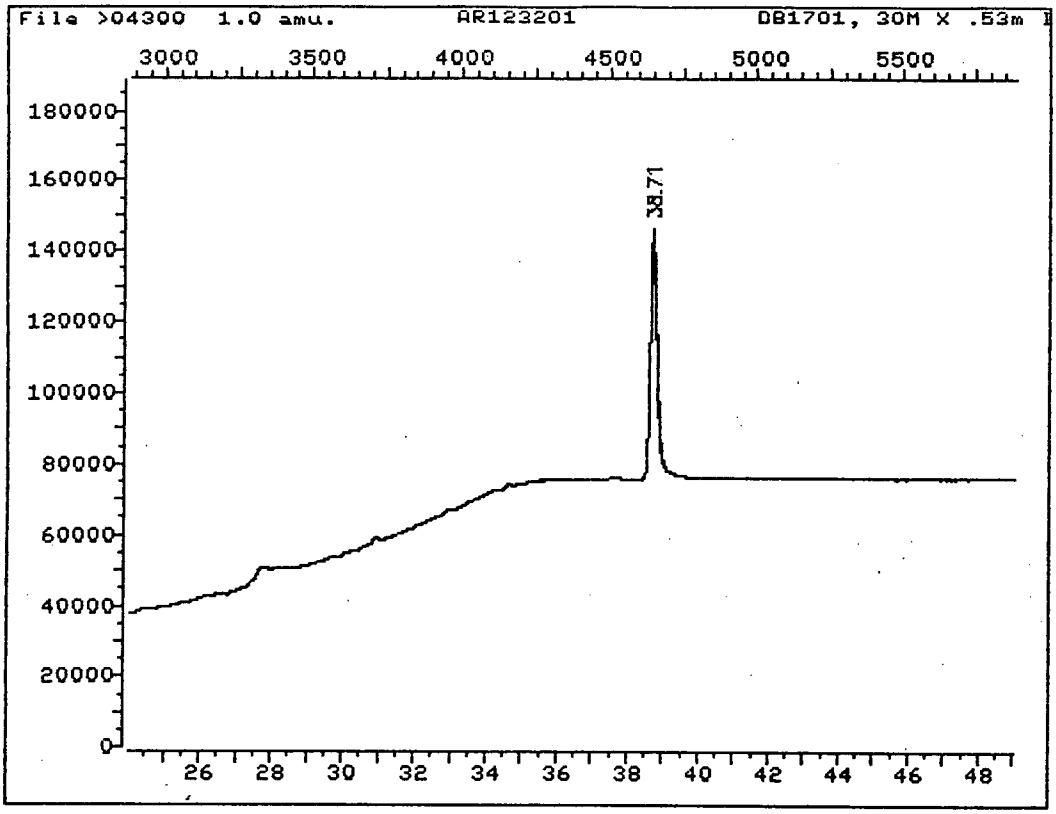

Data File: >04300::G1 Quant Output File: ^04300::GQ
Name: AR123201 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:17
Injected at: 960713 18:21

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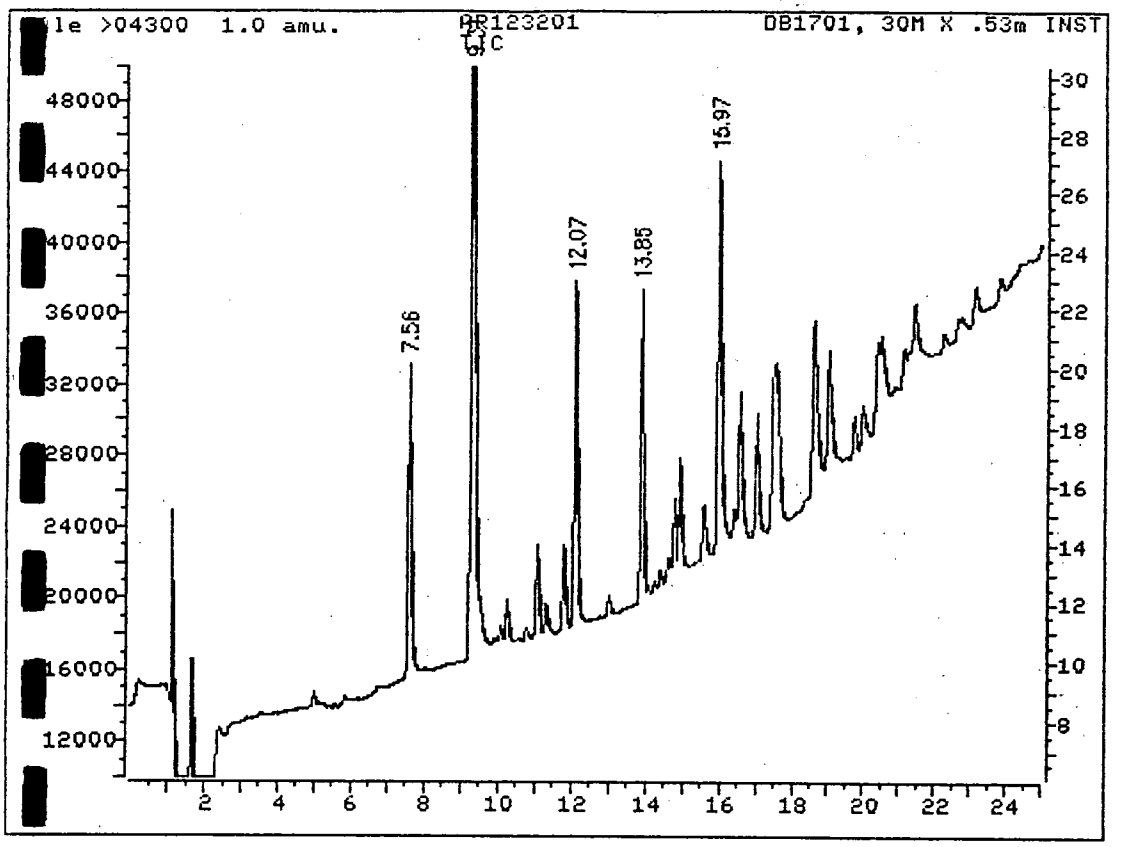
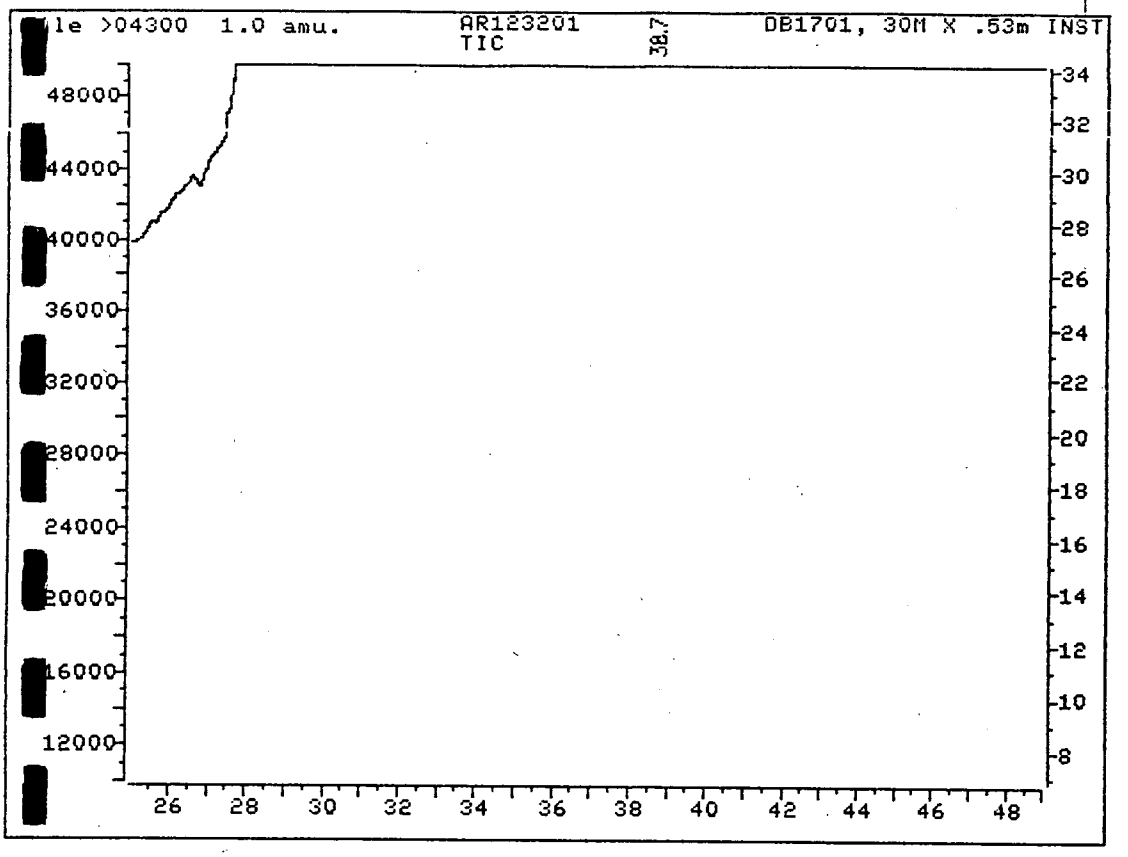


MS data file header from : >04300::G1

ample: AR123201 Operator: TRFI2 7/13/96 18:21
isc : 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 : >04300::G1

ample: AR123201 Operator: TRFI2 7/13/96 18:21
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

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:00
Output File: ^03301::GQ Injected at: 960713 19:16
Data File: >03301::F3 Dilution Factor: 1.00000
Name: AR124201A Instrument ID: GC03
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2330858	19.48	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.65	4998	2385204	20.63	ng/ml	100
26)	#Aroclor-1242(1)	0.100	12.29	1475	242651	100.00	ng/ml	100
43)	#Aroclor-1242(2)	0.100	14.30	1716	462907	100.00	ng/ml	100
44)	#Aroclor-1242(3)	0.100	16.02	1922	886786	100.00	ng/ml	100
45)	#Aroclor-1242(4)	0.100	16.77	2013	331050	100.00	ng/ml	100
46)	#Aroclor-1242(5)	0.100	19.01	2281	292527	100.00	ng/ml	100

Compound uses ESTD

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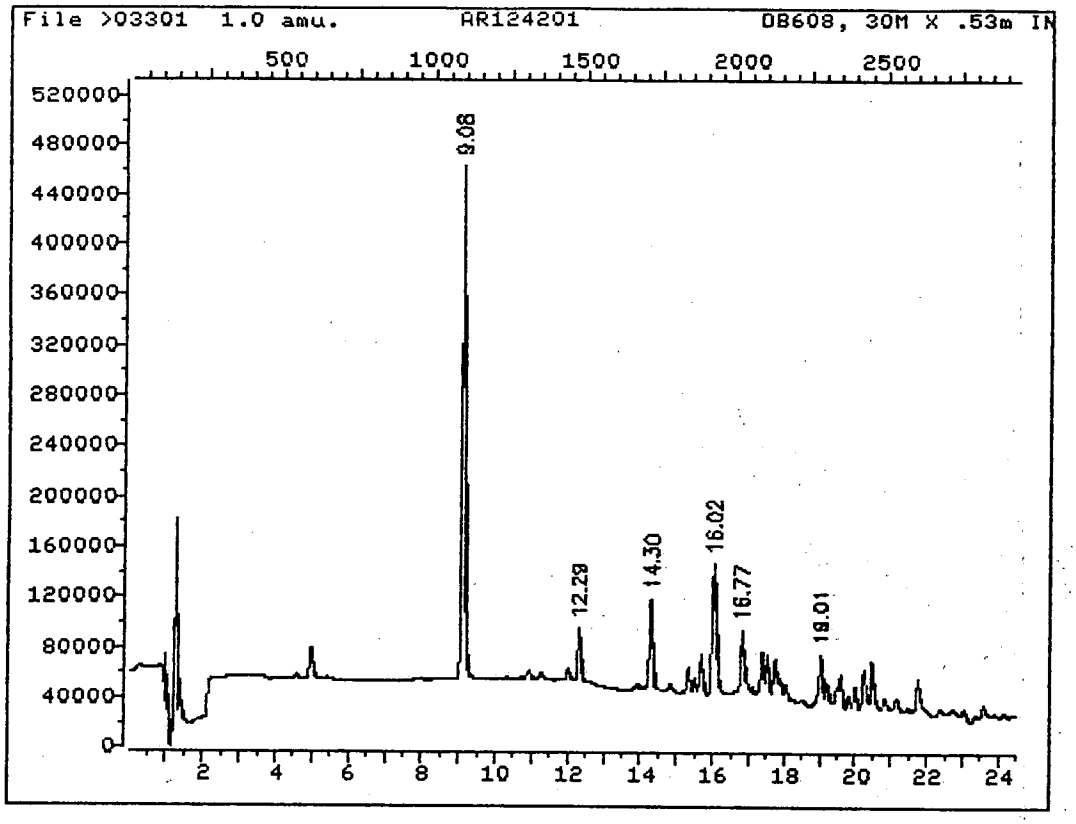

Data File: >03301::F3 Quant Output File: ^03301::GQ
Name: AR124201 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:00
Injected at: 960713 19:16

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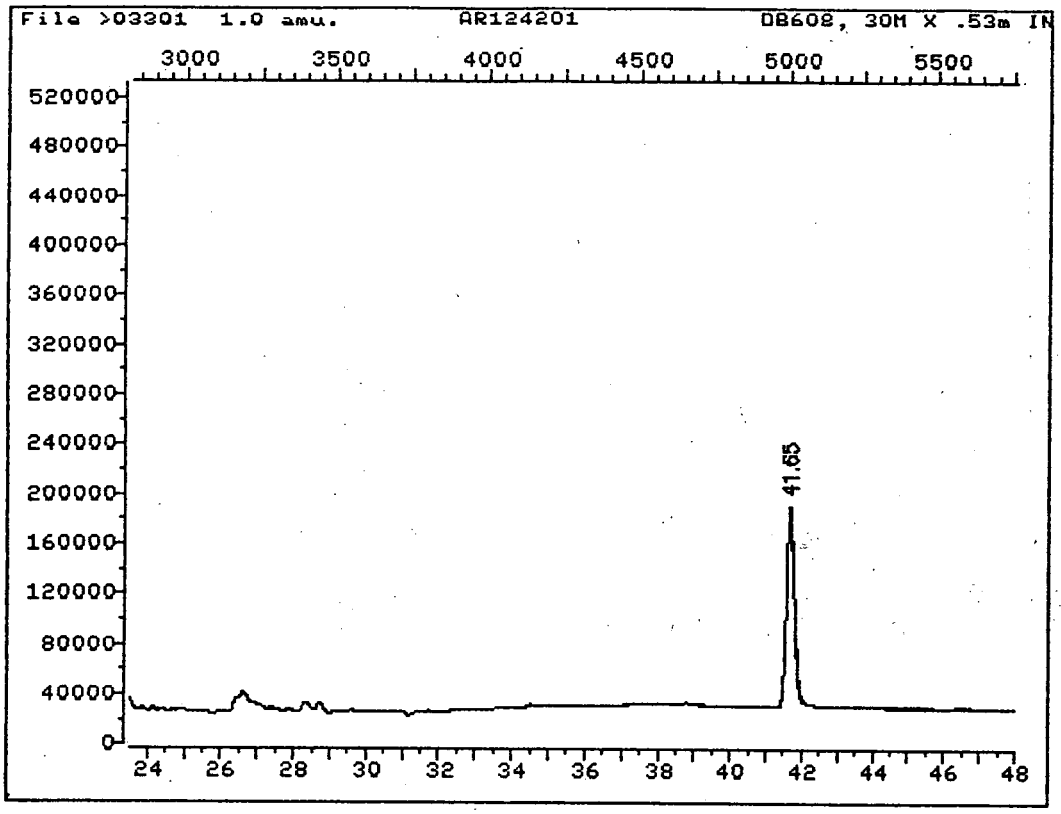

Data File: >03301::F3 Quant Output File: ^03301::GQ
Name: AR124201 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:00
Injected at: 960713 19:16

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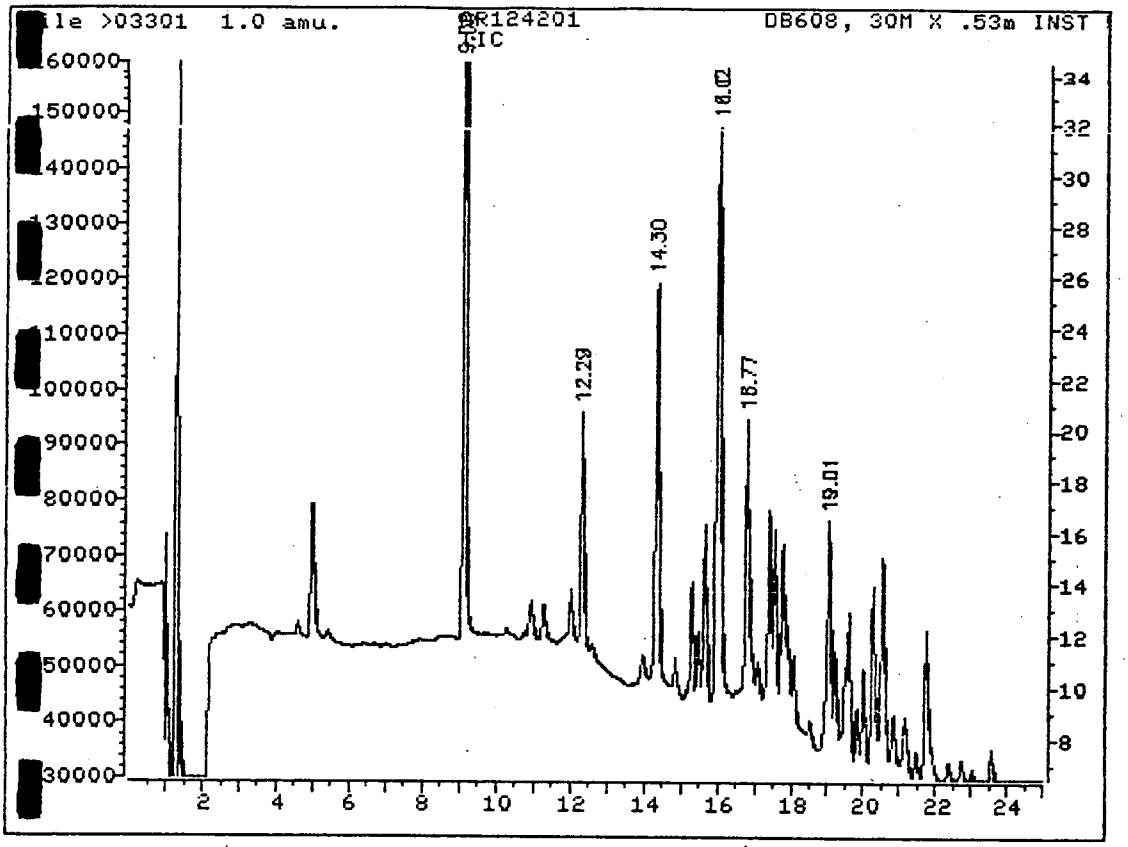
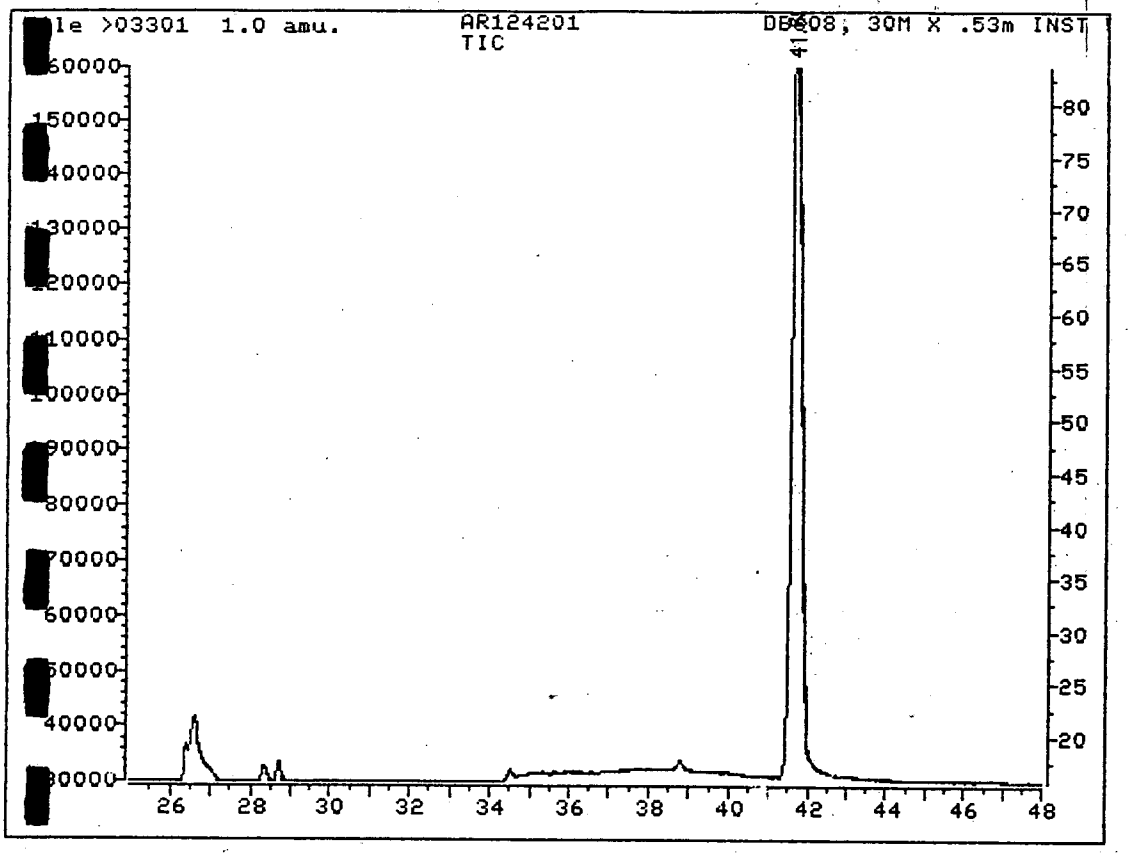


MS data file header from : >03301::F3

Sample: AR124201 Operator: TRFI2 7/13/96 19:16
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 : >03301::F3

ample: AR124201 Operator: TRFI2 7/13/96 19:16
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

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:18
Output File: ^04301::GQ Injected at: 960713 19:16
Data File: >04301::G1 Dilution Factor: 1.00000
Name: AR124201A Instrument ID: GC04
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	810877	19.82	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.71	4645	922661	20.12	ng/ml	100
26)	#Aroclor-1242(1)	0.100	12.07	1449	102731	100.00	ng/ml	100
43)	#Aroclor-1242(2)	0.100	13.84	1661	193364	100.00	ng/ml	100
44)	#Aroclor-1242(3)	0.100	15.97	1917	315250	100.00	ng/ml	100
45)	#Aroclor-1242(4)	0.100	16.54	1985	117087	102.31	ng/ml	100
46)	#Aroclor-1242(5)	0.100	17.47	2096	85483	100.00	ng/ml	100

Compound uses ESTD

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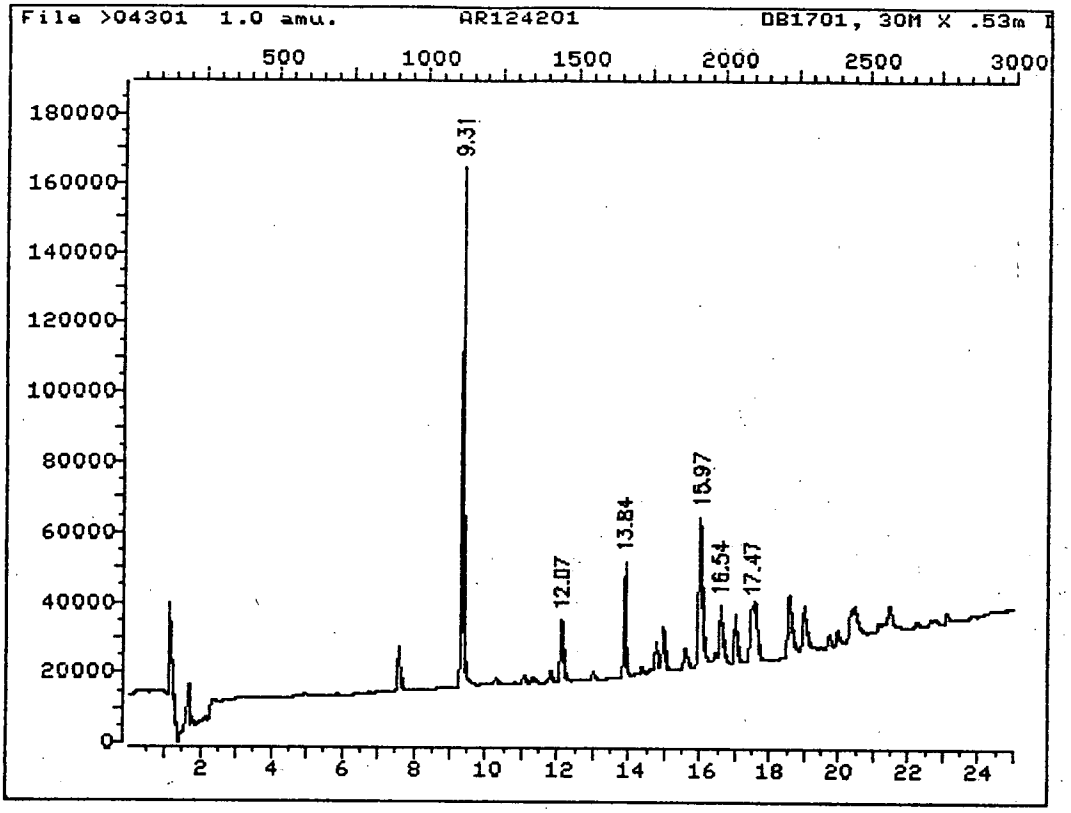

Data File: >04301::G1 Quant Output File: ^04301::GQ
Name: AR124201 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:18
Injected at: 960713 19:16

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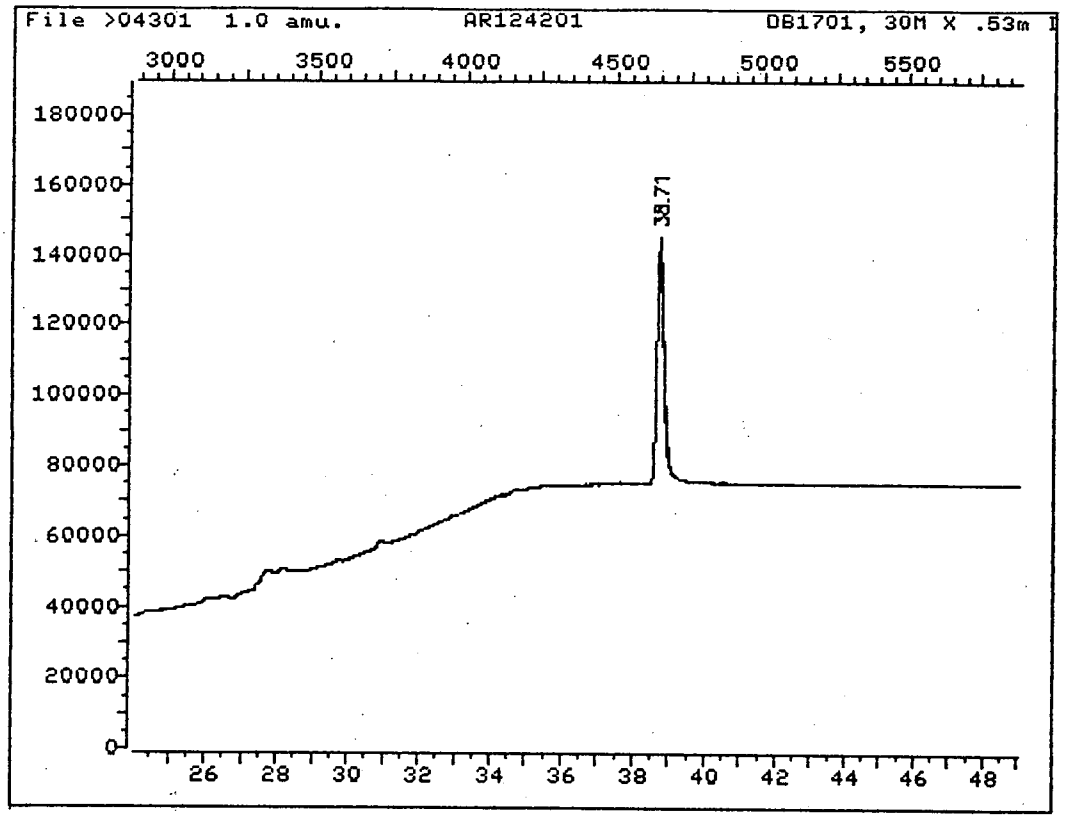

Data File: >04301::G1 Quant Output File: ^04301::GQ
Name: AR124201 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:18
Injected at: 960713 19:16

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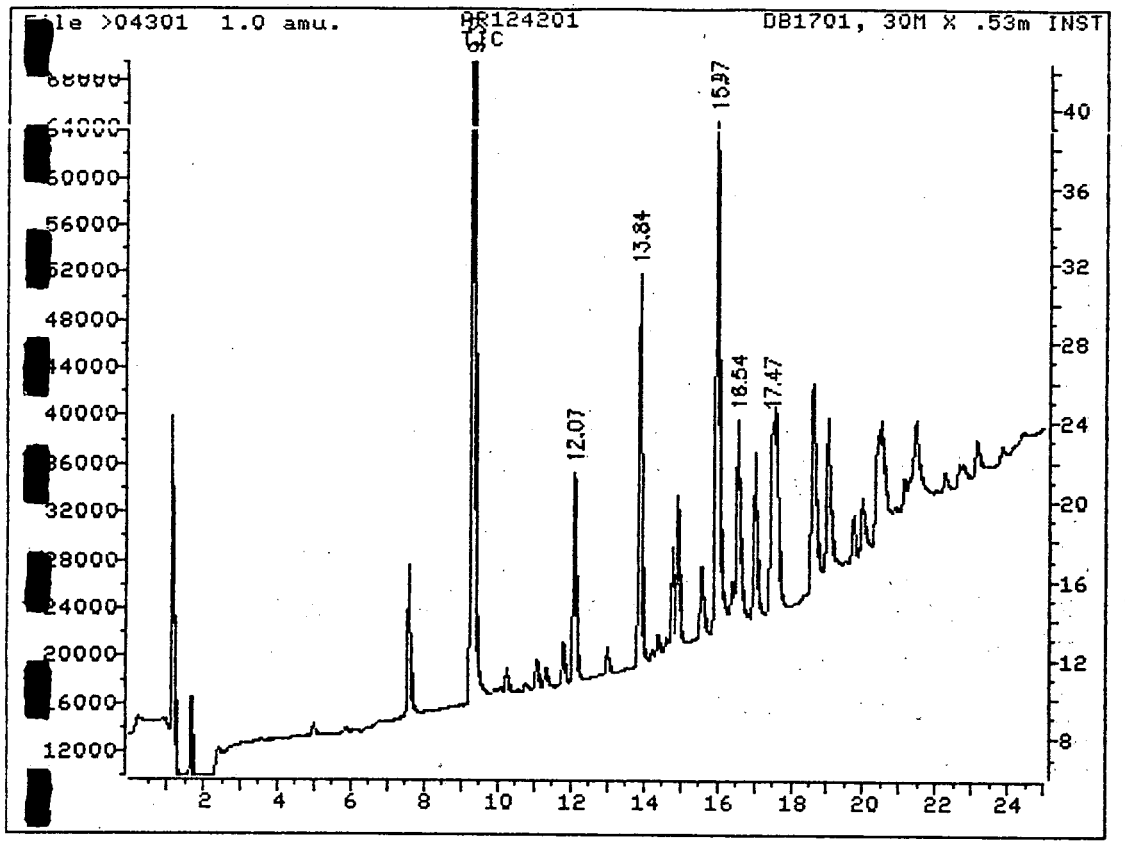
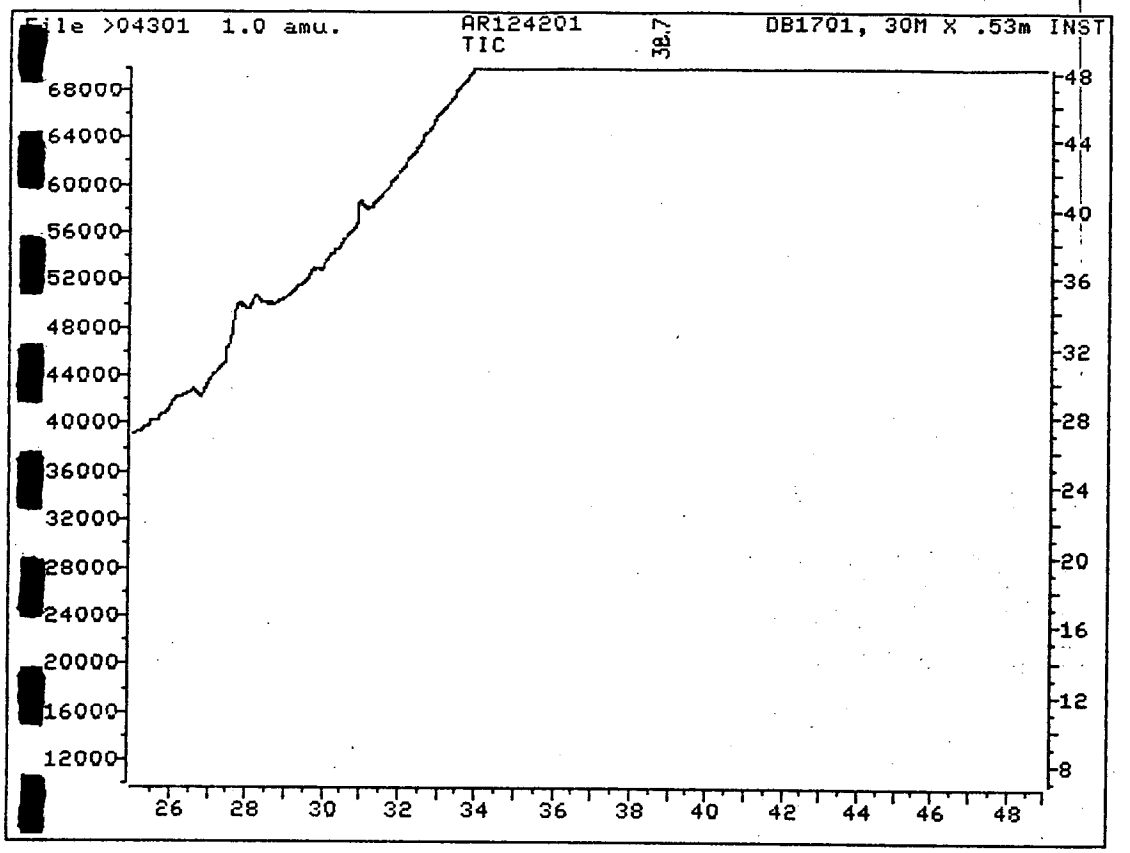


MS data file header from : >04301::G1

Sample: AR124201 Operator: TRFI2 7/13/96 19:16
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 : >04301::G1

Sample: AR124201 Operator: TRFI2 7/13/96 19:16
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

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:01
Output File: ^03302::GQ Injected at: 960713 20:11
Data File: >03302::F3 Dilution Factor: 1.00000
Name: AR124801 A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2349742	19.64	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.66	4999	2386329	20.64	ng/ml	100
27)	#Aroclor-1248(1)	0.100	16.02	1922	753351	100.00	ng/ml	100
47)	#Aroclor-1248(2)	0.100	17.53	2104	319297	100.00	ng/ml	100
48)	#Aroclor-1248(3)	0.100	19.01	2281	411226	99.92	ng/ml	100
49)	#Aroclor-1248(4)	0.100	20.47	2456	435562	106.03	ng/ml	100
50)	#Aroclor-1248(5)	0.100	21.73	2608	437953	100.00	ng/ml	100

Compound uses ESTD

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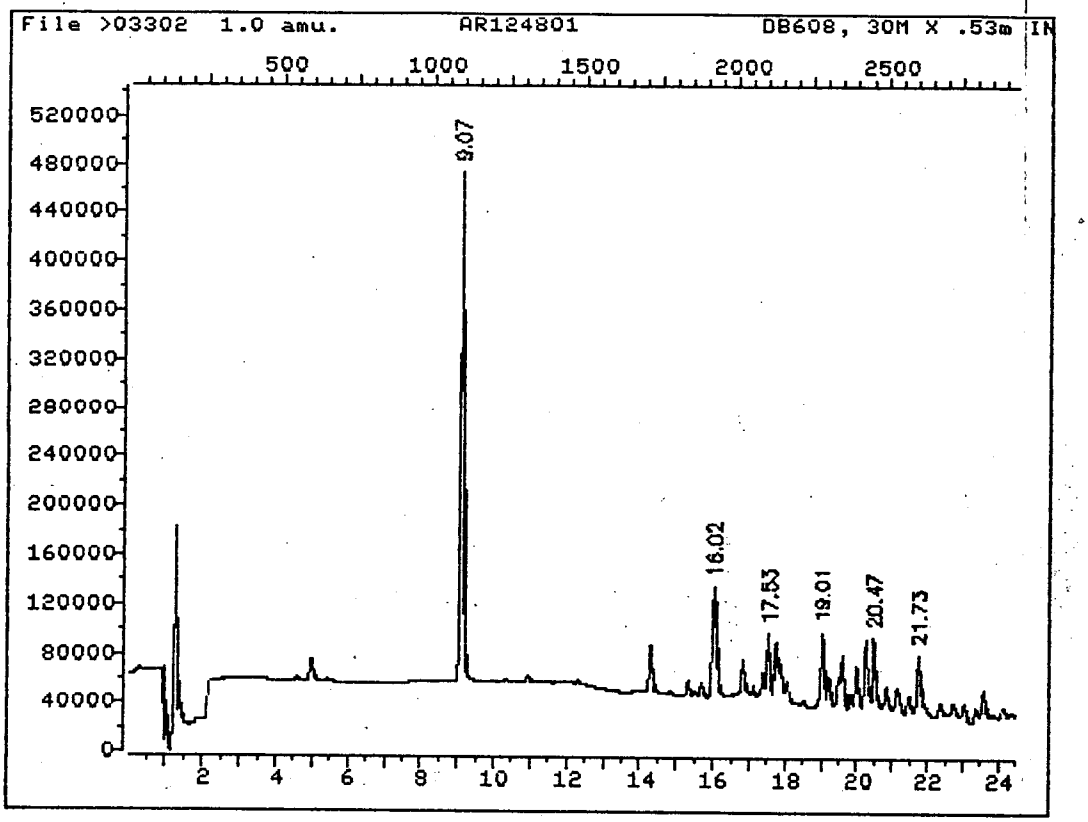

Data File: >03302::F3 Quant Output File: ^03302::GQ
Name: AR124801 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:01
Injected at: 960713 20:11

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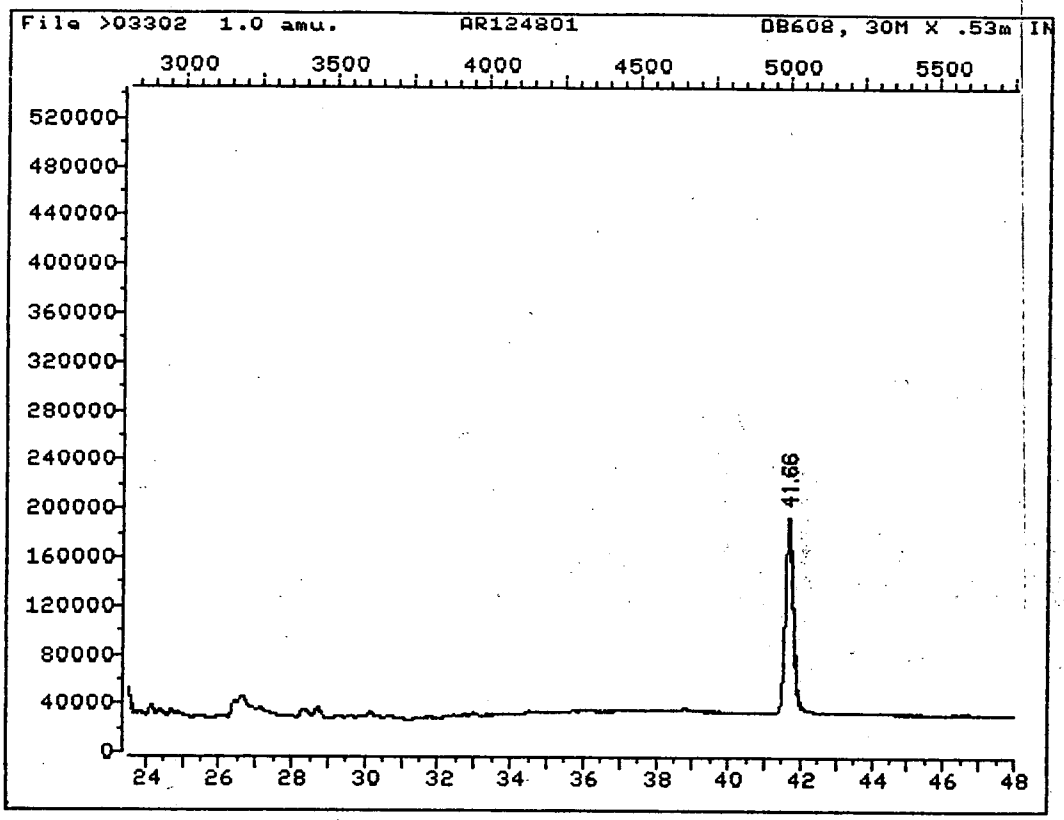

Data File: >03302::F3 Quant Output File: ^03302::GQ
Name: AR124801 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:01
Injected at: 960713 20:11

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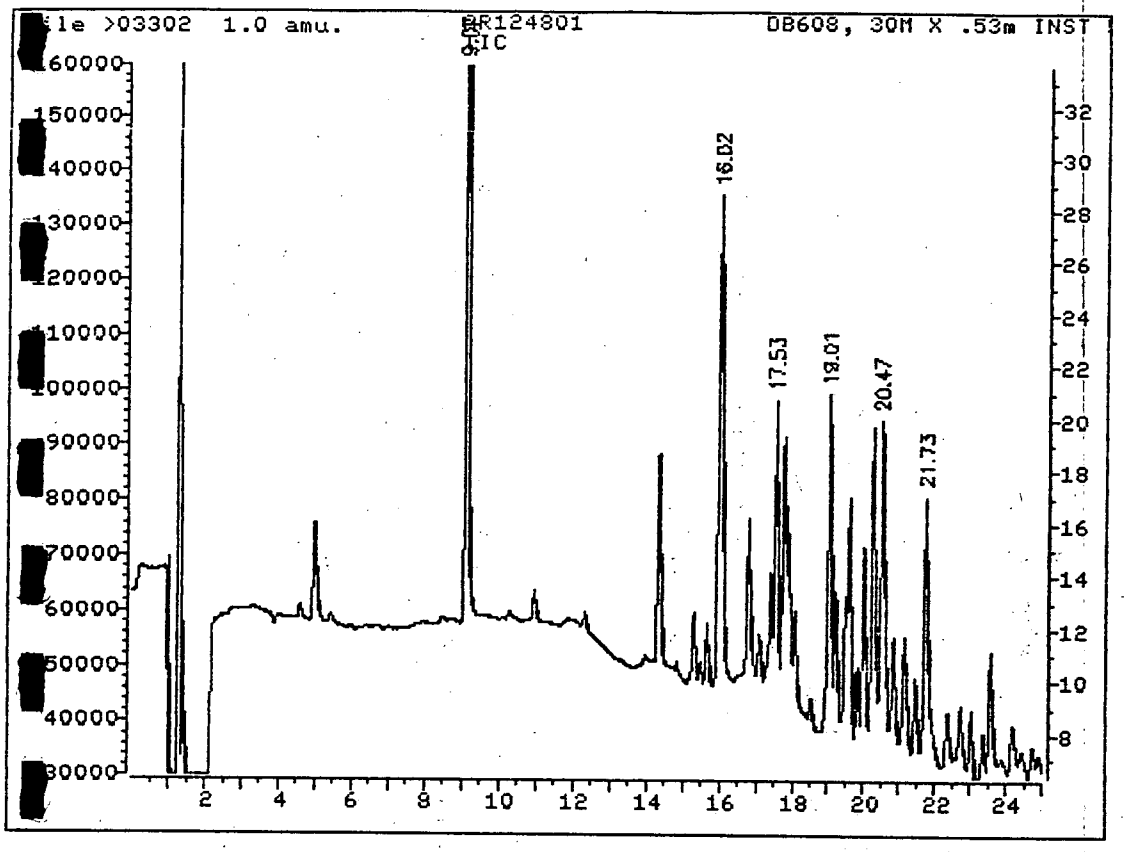
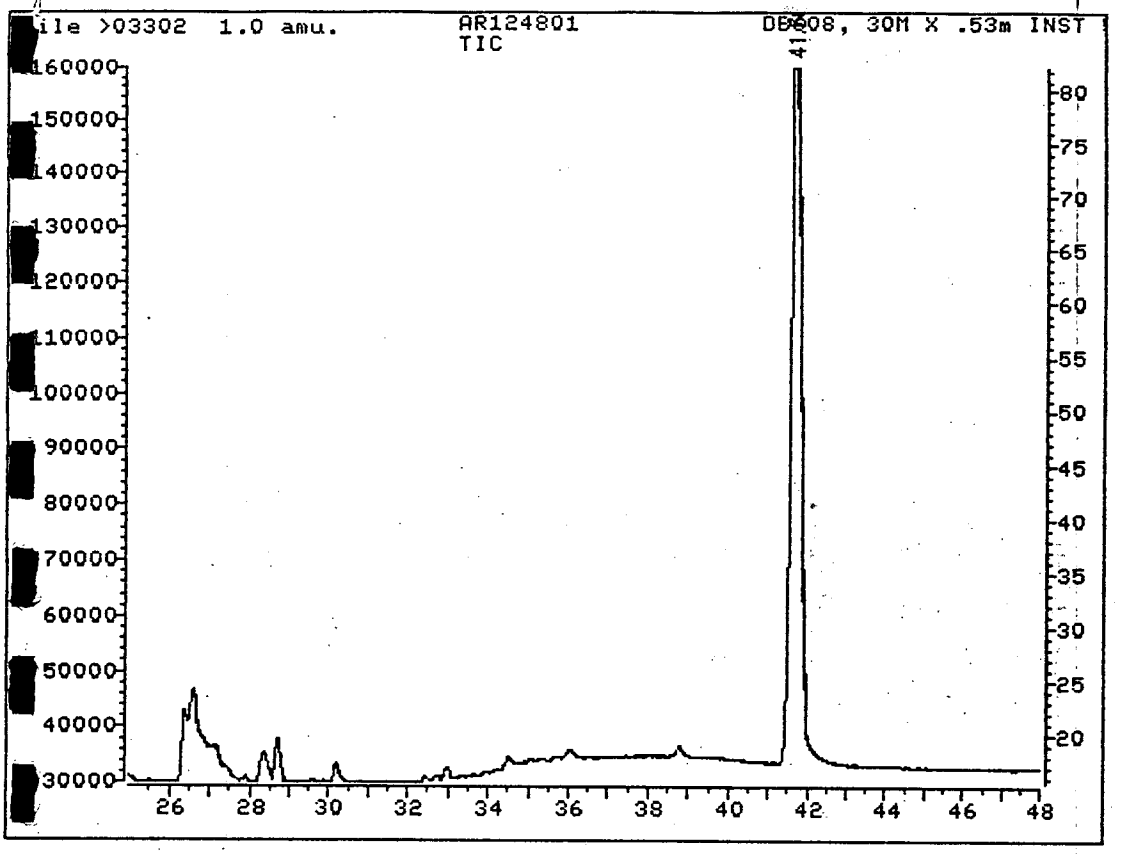


MS data file header from : >03302::F3

Sample: AR124801 Operator: TRFI2 7/13/96 20:11
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 : >03302::F3

ample: AR124801 Operator: TRFI2 7/13/96 20:11
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

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:19
Output File: ^04302::GQ Injected at: 960713 20:11
Data File: >04302::G1 Dilution Factor: 1.00000
Name: AR124801A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	811419	19.83	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.70	4644	912524	19.90	ng/ml	100
27)	#Aroclor-1248(1)	0.100	13.84	1661	102794	100.00	ng/ml	100
47)	#Aroclor-1248(2)	0.100	15.97	1917	270094	100.00	ng/ml	100
48)	#Aroclor-1248(3)	0.100	18.56	2227	242049	100.00	ng/ml	100
49)	#Aroclor-1248(4)	0.100	18.98	2278	183043	100.16	ng/ml	100
50)	#Aroclor-1248(5)	0.100	20.34	2441	114080	100.00	ng/ml	100

Compound uses ESTD

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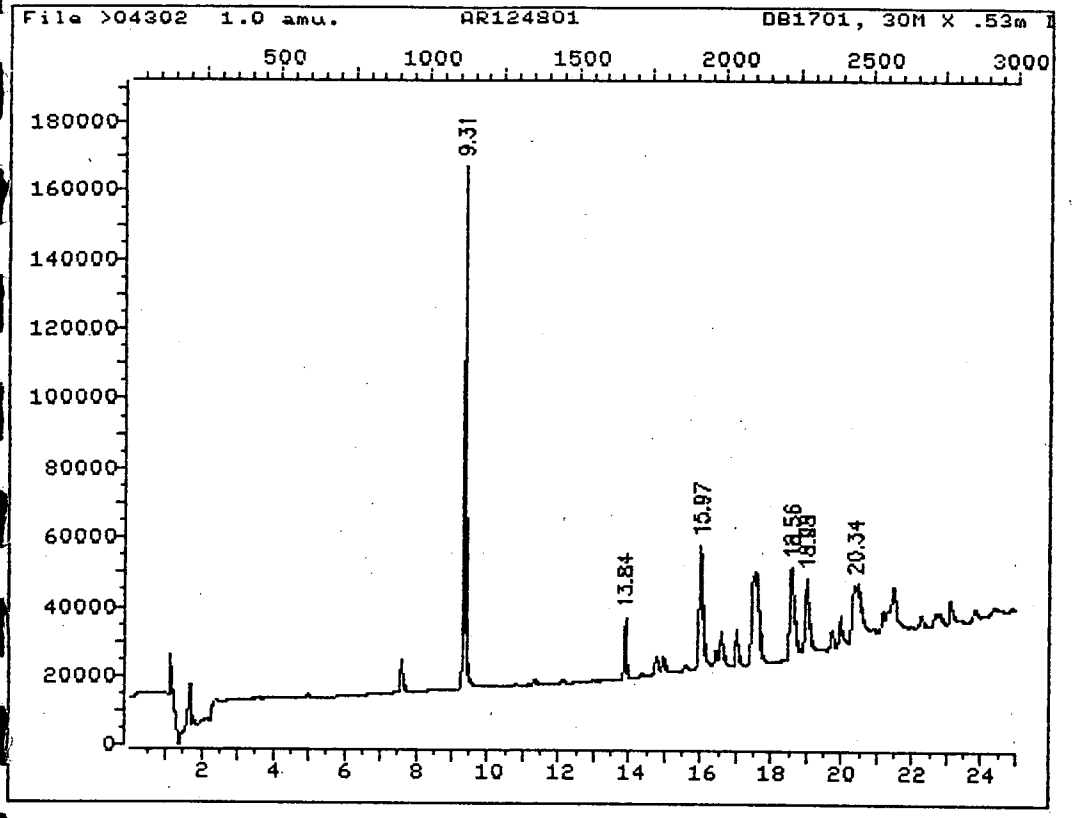

Data File: >04302::G1 Quant Output File: ^04302::GQ
Name: AR124801 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:19
Injected at: 960713 20:11

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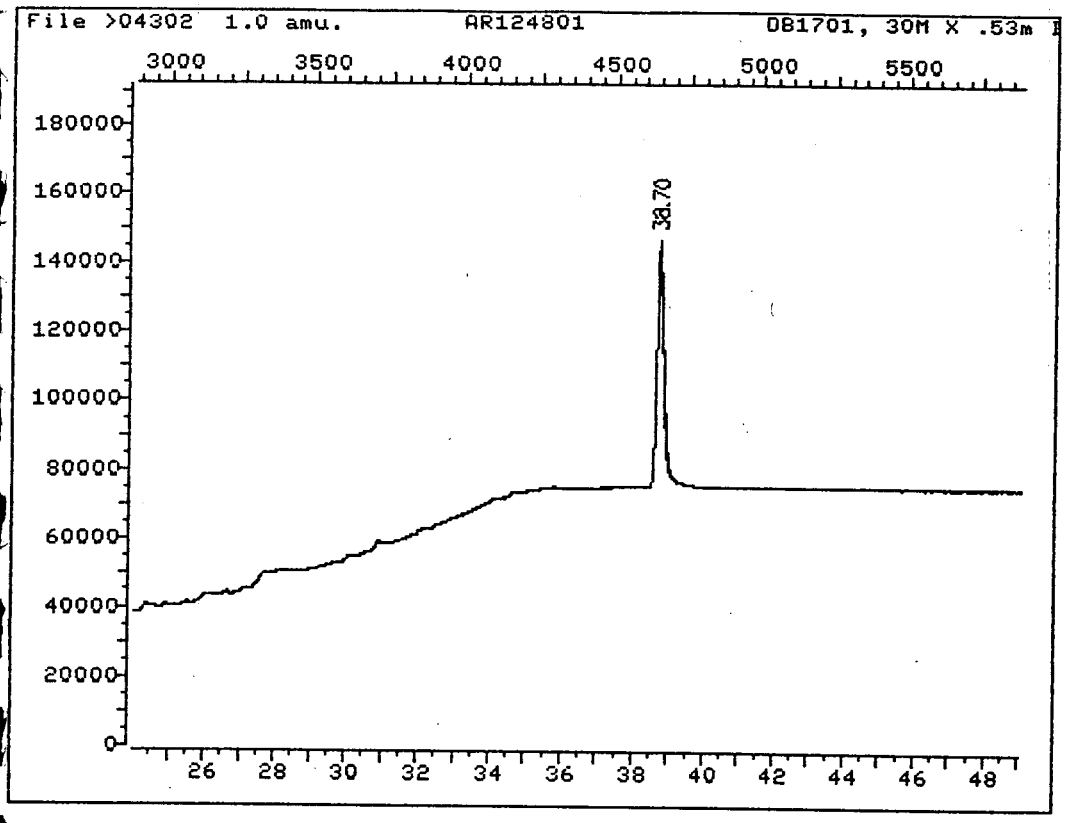

Data File: >04302::G1 Quant Output File: ^04302::GQ
Name: AR124801 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:19
Injected at: 960713 20:11

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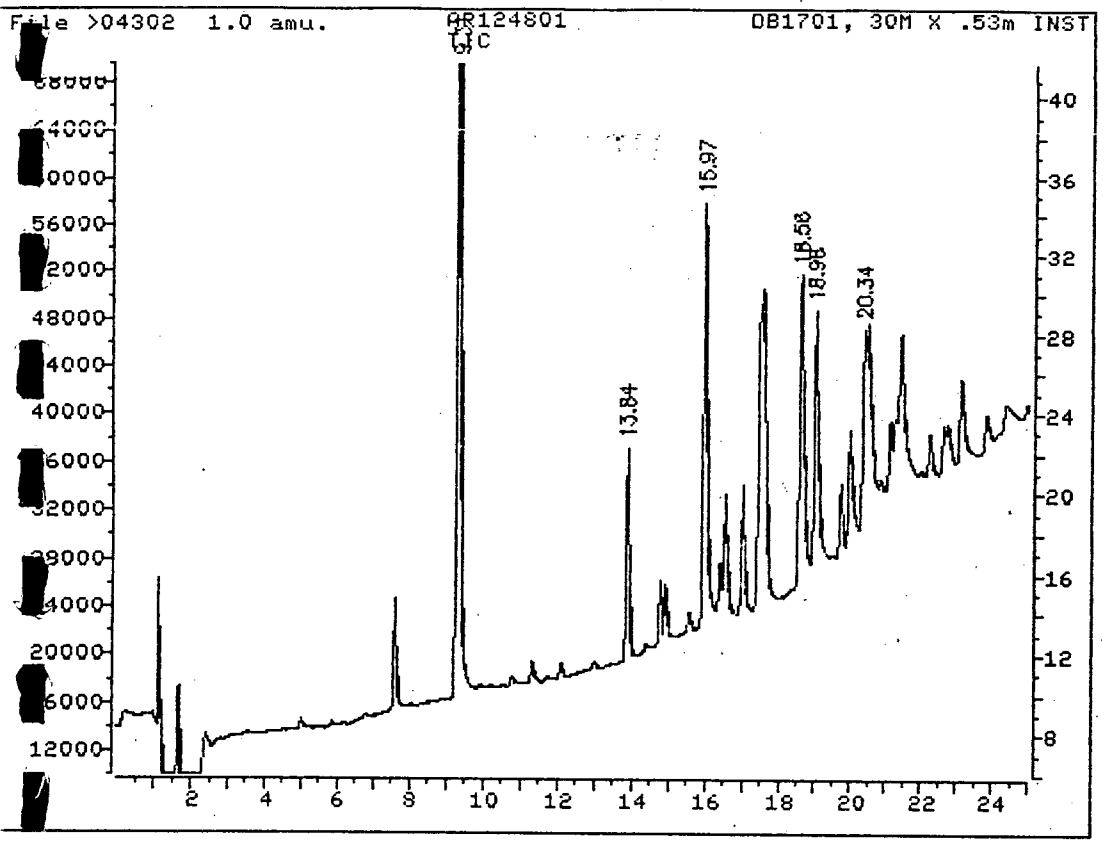
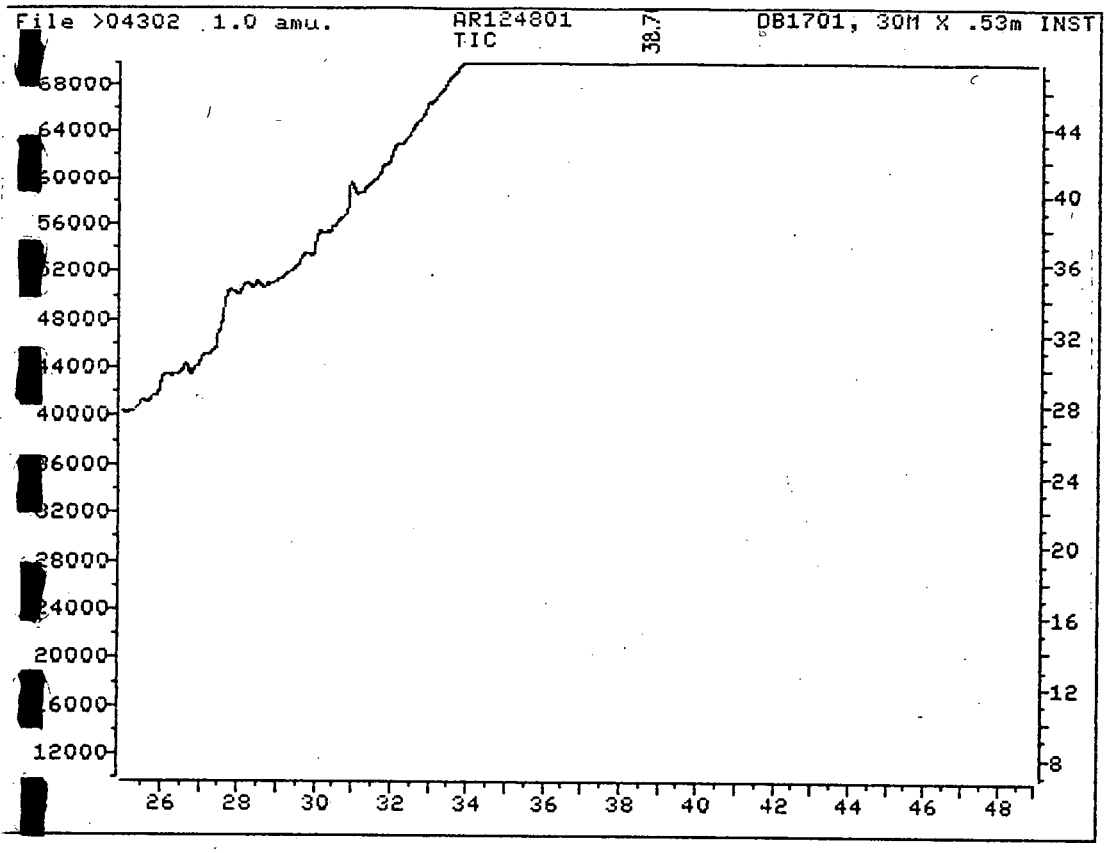


MS data file header from : >04302::G1

Sample: AR124801 Operator: TRFI2 7/13/96 20:11
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 : >04302::G1

Sample: AR124801 Operator: TRFI2 7/13/96 20:11
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

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:02
Output File: ^03303::GQ Injected at: 960713 21:06
Data File: >03303::F3 Dilution Factor: 1.00000
Name: AR125401A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2373916	19.84	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.66	4999	2444540	21.14	ng/ml	100
28)	#Aroclor-1254(1)	0.100	20.83	2500	497493	100.00	ng/ml	100
51)	#Aroclor-1254(2)	0.100	21.13	2536	584813	99.67	ng/ml	100
52)	#Aroclor-1254(3)	0.100	22.71	2725	184717	100.00	ng/ml	100
53)	#Aroclor-1254(4)	0.100	23.53	2824	646290	100.00	ng/ml	100
54)	#Aroclor-1254(5)	0.100	24.85	2982	365450	100.00	ng/ml	100

Compound uses ESTD

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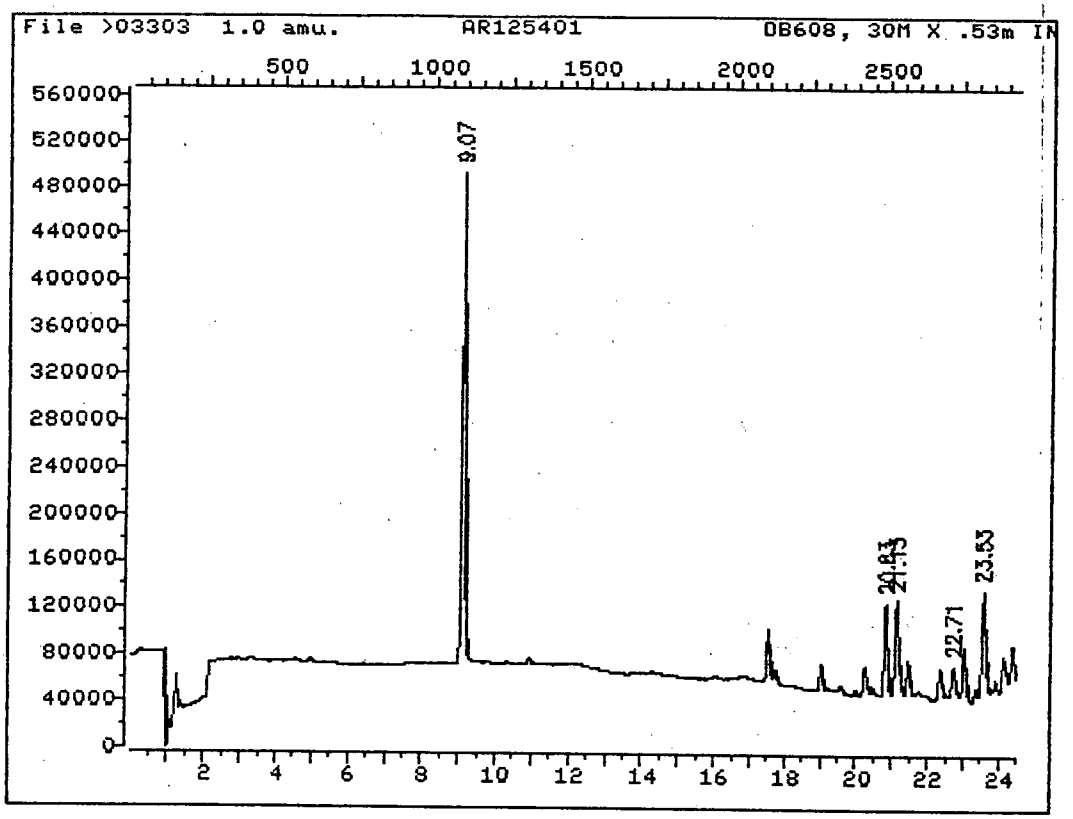

Data File: >03303::F3 Quant Output File: ^03303::GQ
Name: AR125401 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:02
Injected at: 960713 21:06

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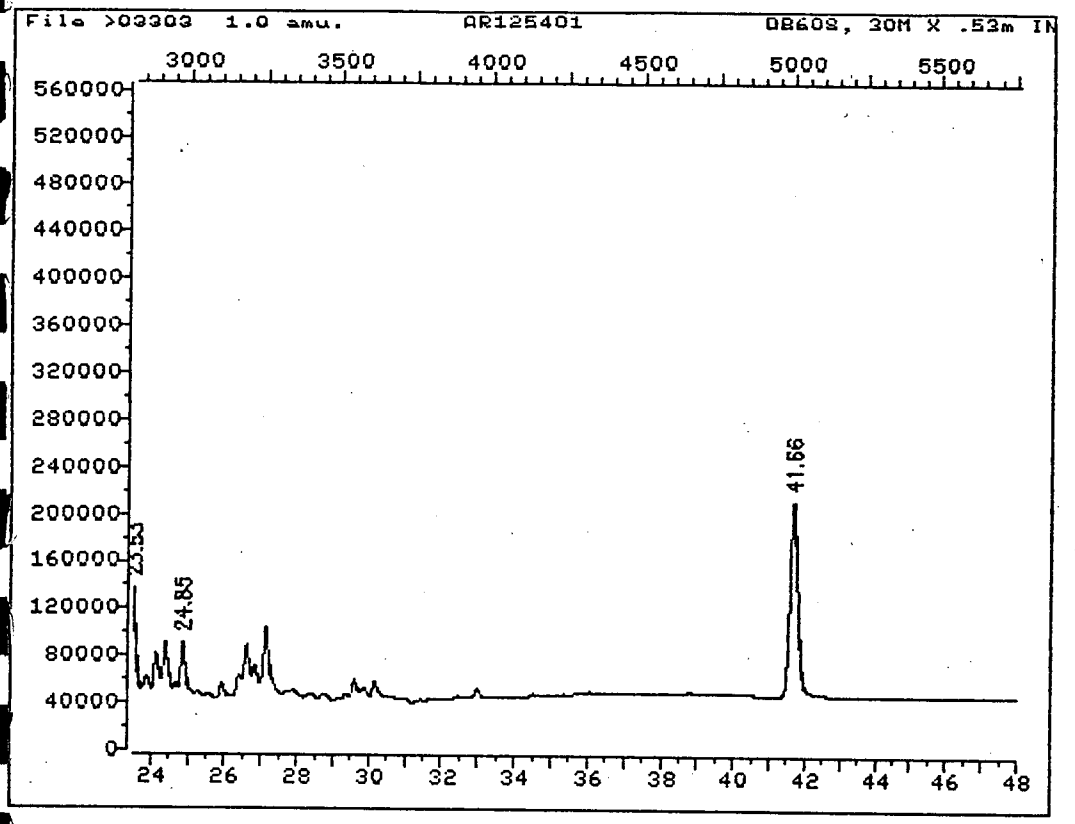

Data File: >03303::F3 Quant Output File: ^03303::GQ
Name: AR125401 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:02
Injected at: 960713 21:06

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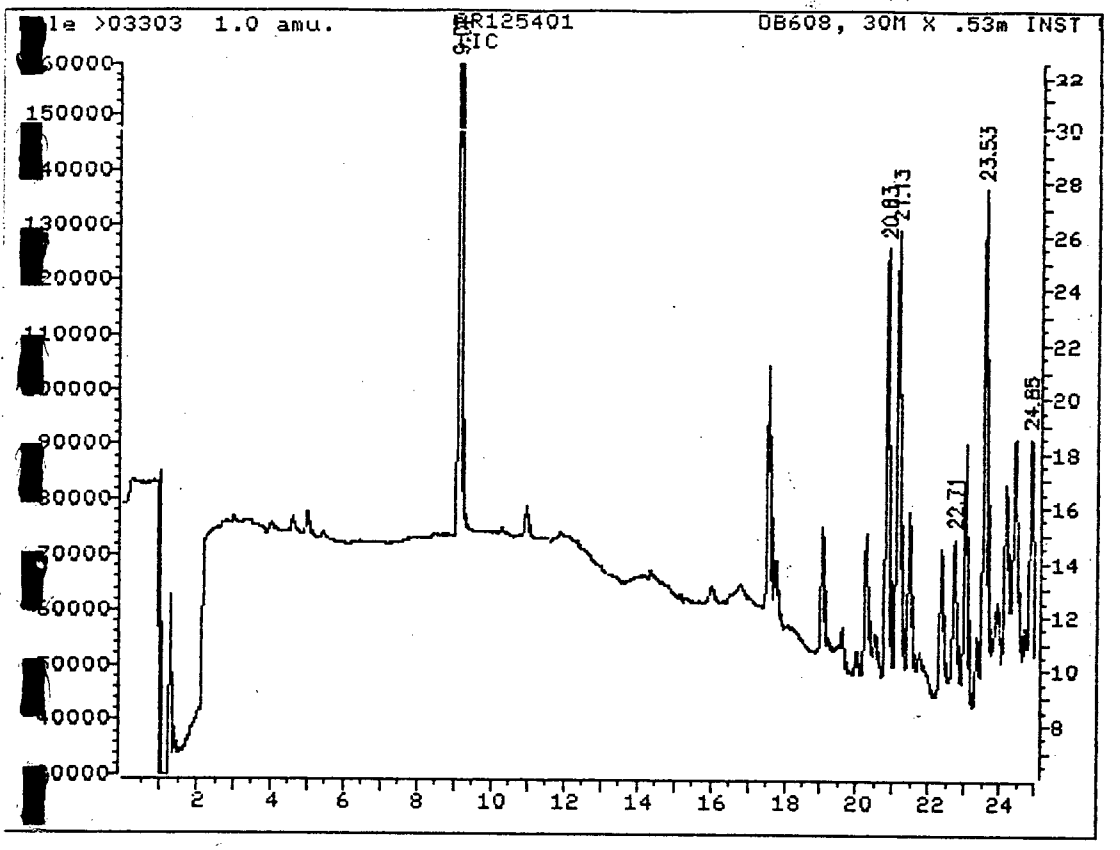
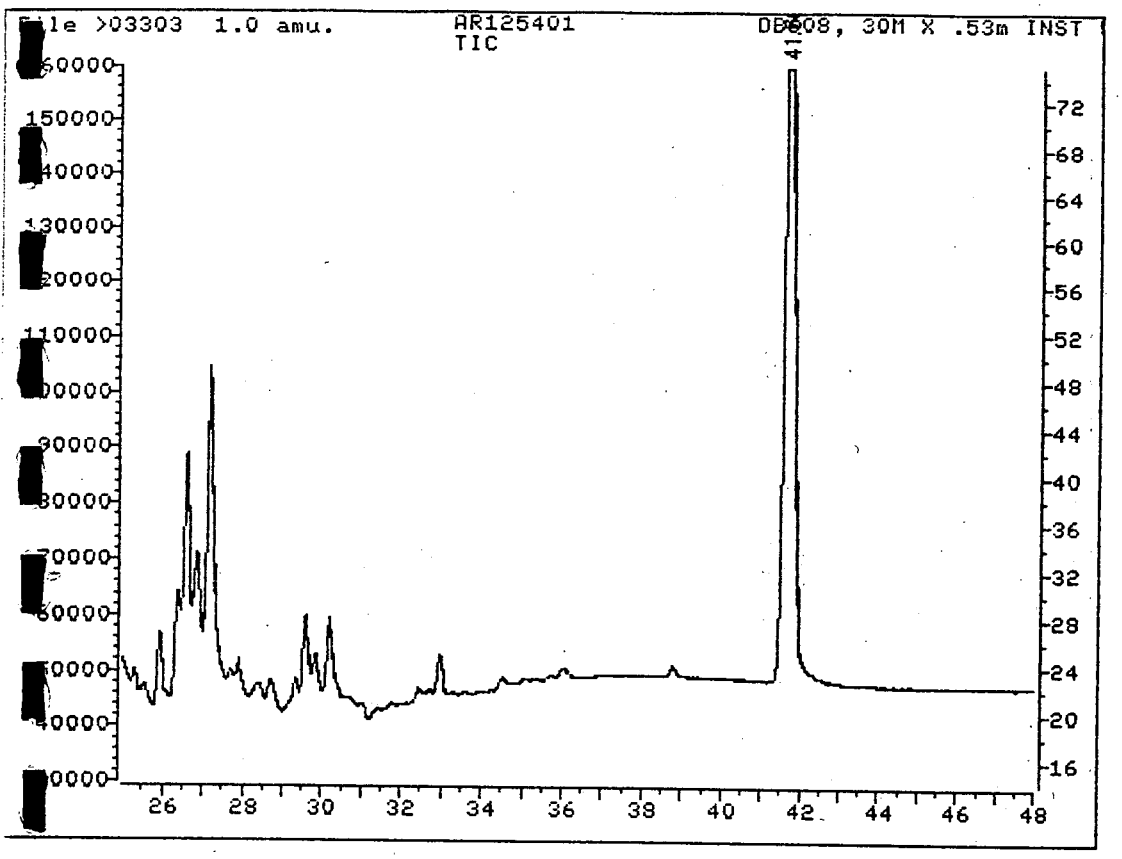


MS data file header from : >03303::F3

Sample: AR125401 Operator: TRFI2 7/13/96 21:06
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 : >03303::F3

Sample: AR125401 Operator: TRFI2 7/13/96 21:06
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

Operator ID: TRFI2
Output File: ^04303::GQ
Data File: >04303::G1
Name: AR125401A
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960719 14:21
Injected at: 960713 21:06
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	0.020	9.31	1117	821068	20.07	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.71	4645	951758	20.75	ng/ml	100
28)	#Aroclor-1254(1)	0.100	17.46	2095	158556	100.00	ng/ml	100
51)	#Aroclor-1254(2)	0.100	20.29	2435	214874	100.00	ng/ml	100
52)	#Aroclor-1254(3)	0.100	21.13	2535	183761	100.00	ng/ml	100
53)	#Aroclor-1254(4)	0.100	23.09	2771	259785	100.00	ng/ml	100
54)	#Aroclor-1254(5)	0.100	23.78	2854	142239	100.00	ng/ml	100

Compound uses ESTD

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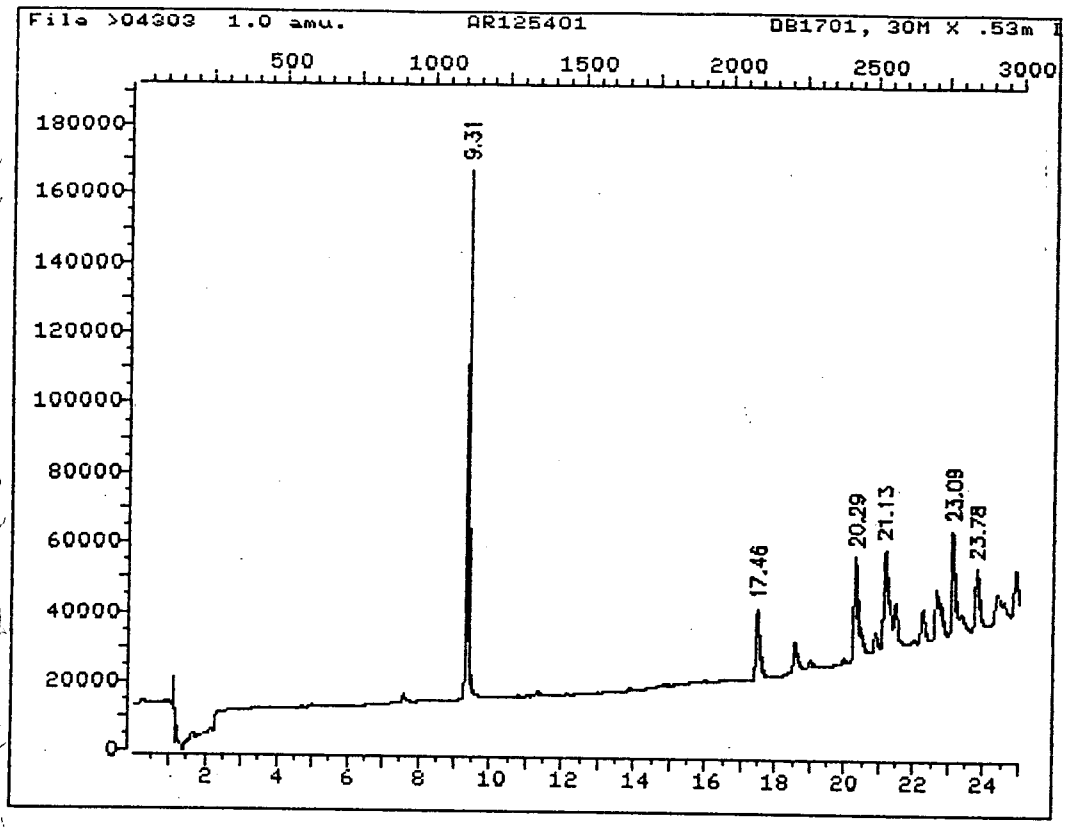

Data File: >04303::G1 Quant Output File: ^04303::GQ
Name: AR125401 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:21
Injected at: 960713 21:06

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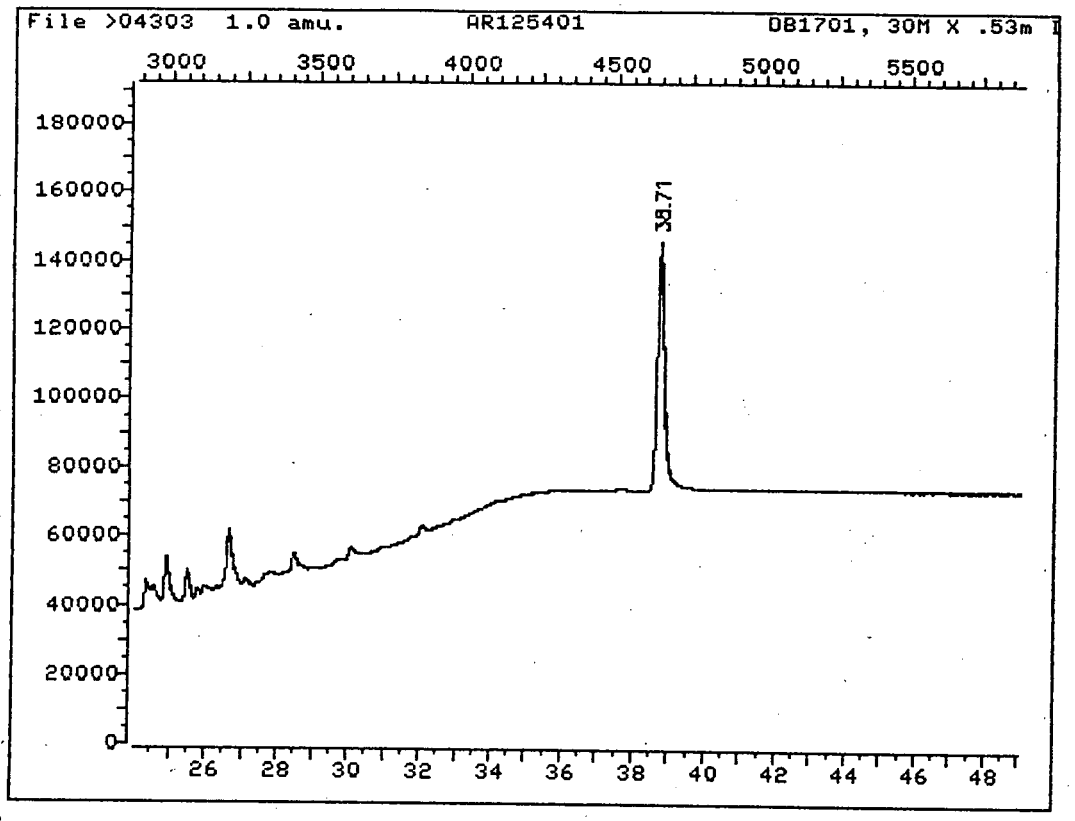

Data File: >04303::G1 Quant Output File: ^04303::GQ
Name: AR125401 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:21
Injected at: 960713 21:06

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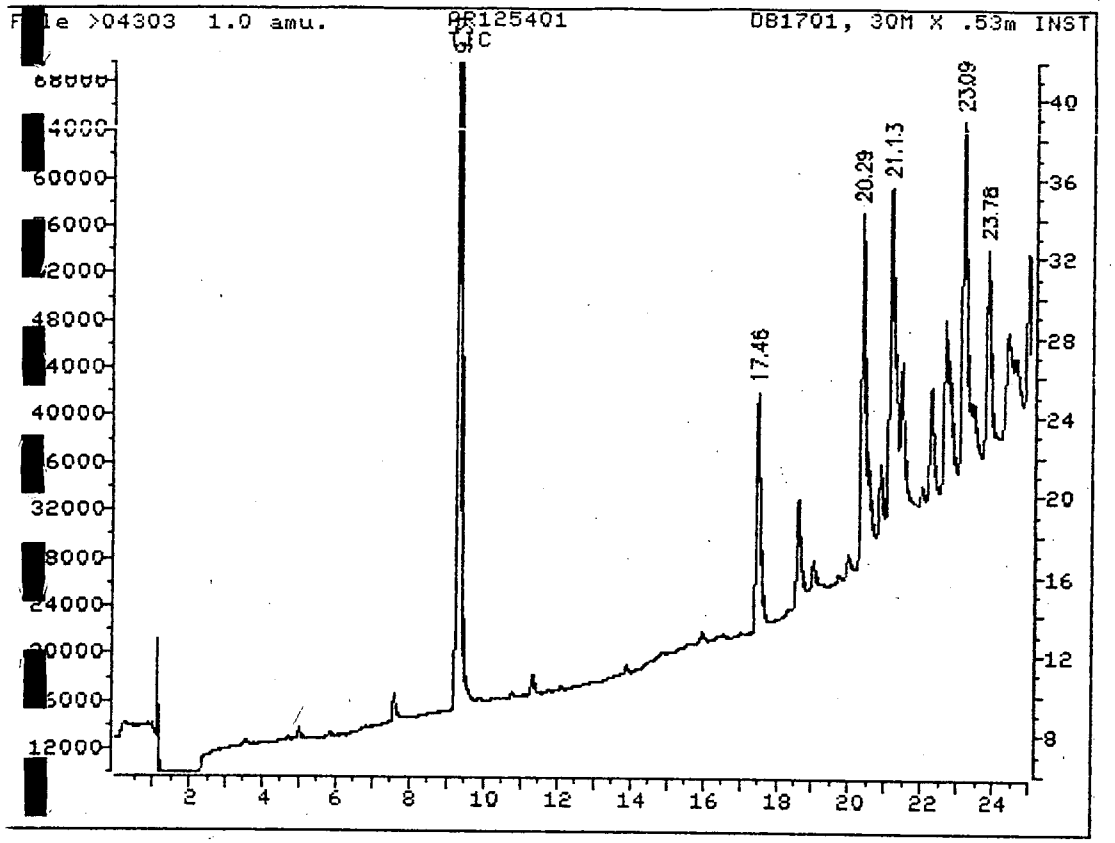
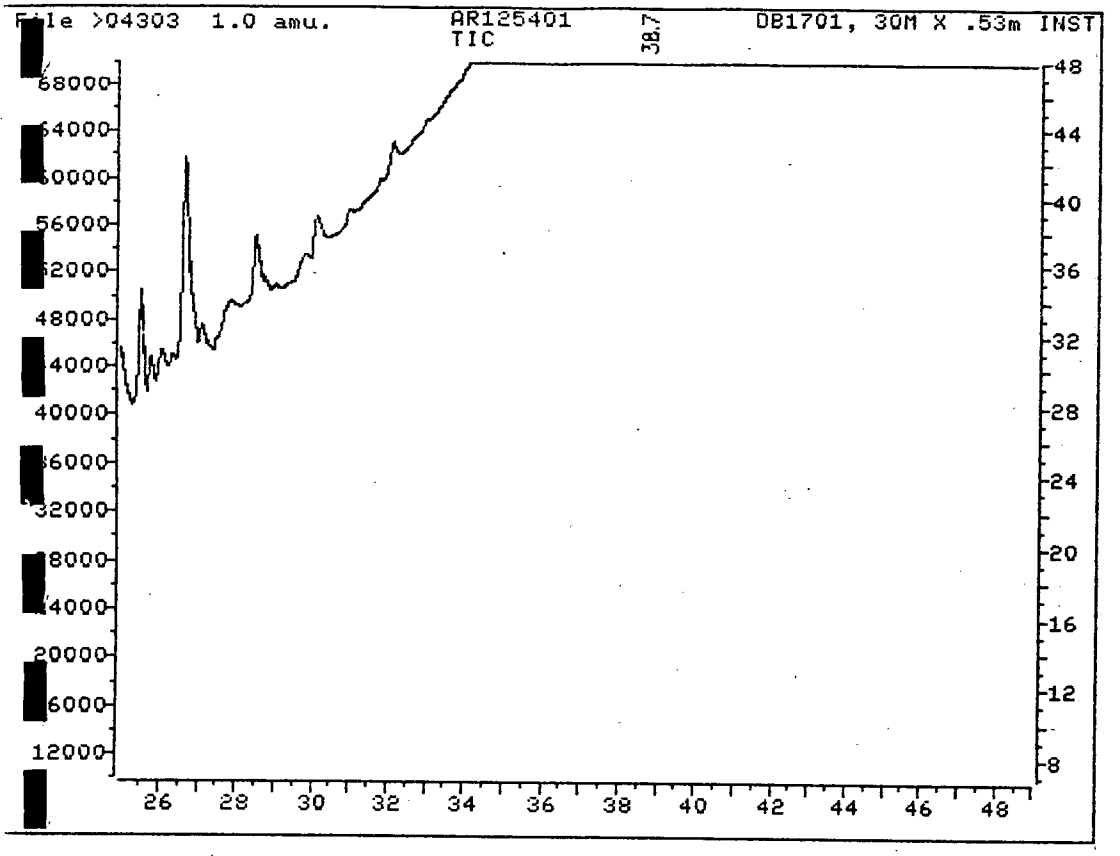


MS data file header from : >04303::G1

Sample: AR125401 Operator: TRFI2 7/13/96 21:06
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 : >04303::G1

Sample: AR125401 Operator: TRFI2 7/13/96 21:06
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

QUANT REPORT

Operator ID: TRFI2
Output File: ^03304::GQ
Data File: >03304::F3
Name: TOXAPH01 A
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960719 14:04
Injected at: 960713 22:00
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2305429	19.27	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.66	4999	2364159	20.45	ng/ml	100
22)	#Toxaphene(1)	0.500	23.71	2845	798910	500.00	ng/ml	100
31)	#Toxaphene(2)	0.500	27.57	3308	835765	500.00	ng/ml	100
32)	#Toxaphene(3)	0.500	28.31	3397	1060501	500.00	ng/ml	100
33)	#Toxaphene(4)	0.500	30.46	3655	976691	500.00	ng/ml	100

Compound uses ESTD

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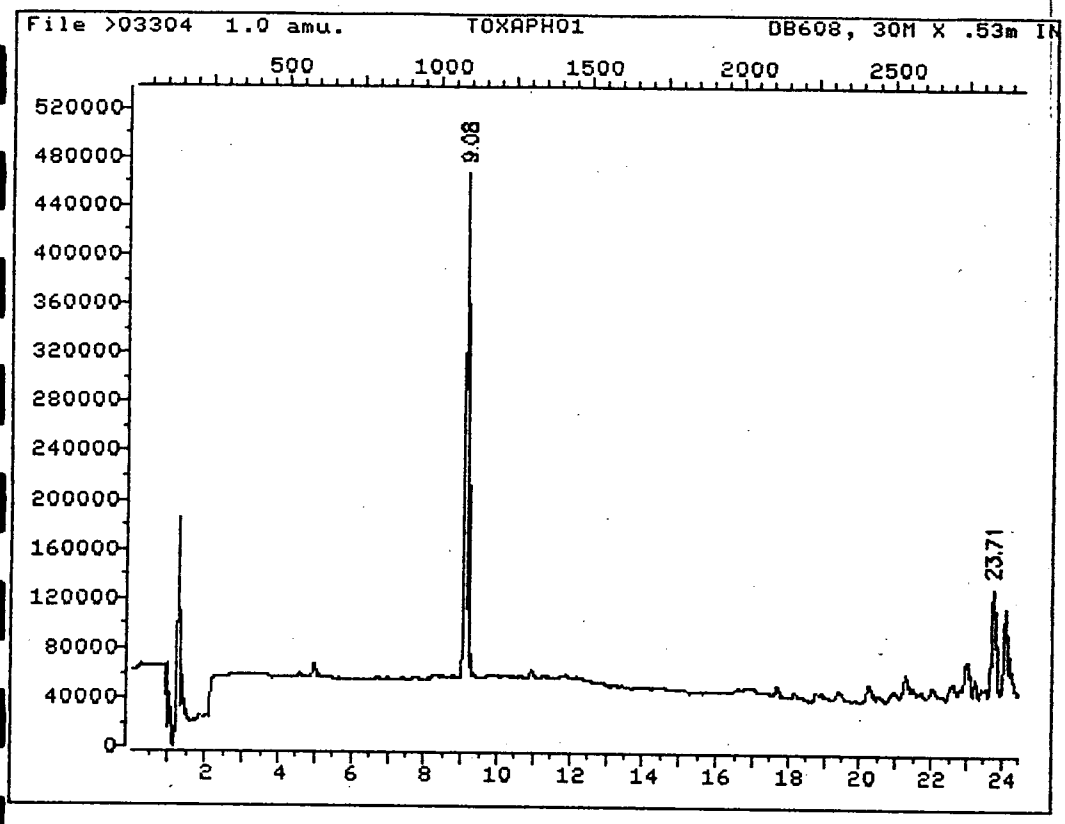

Data File: >03304::F3 Quant Output File: ^03304::GQ
Name: TOXAPH01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:04
Injected at: 960713 22:00

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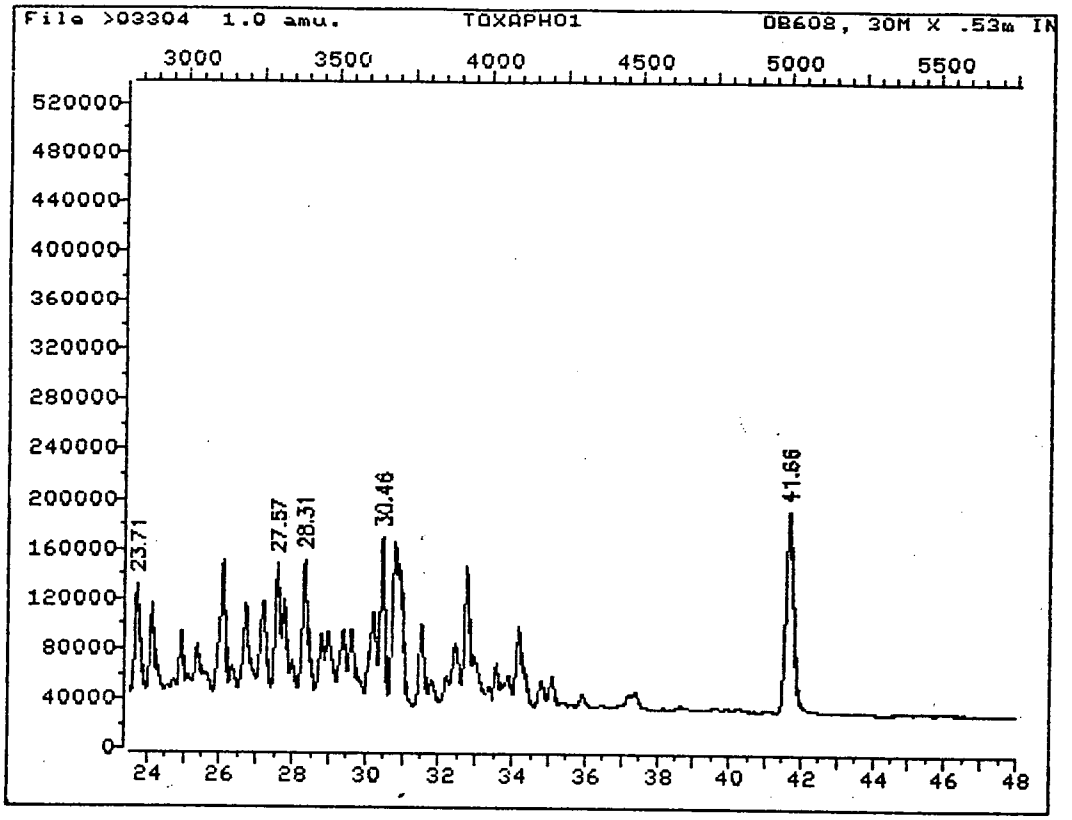
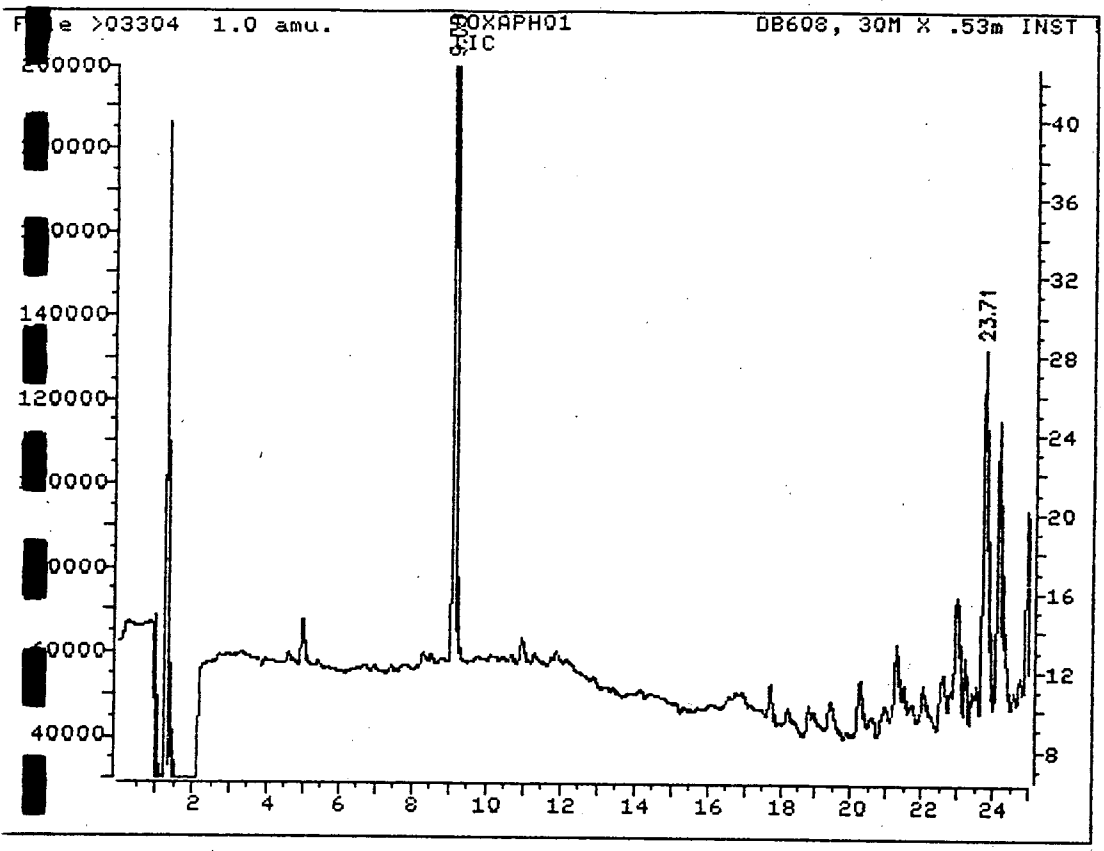


Data File: >03304::F3 Quant Output File: ^03304::GQ
Name: TOXAPH01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:04
Injected at: 960713 22:00

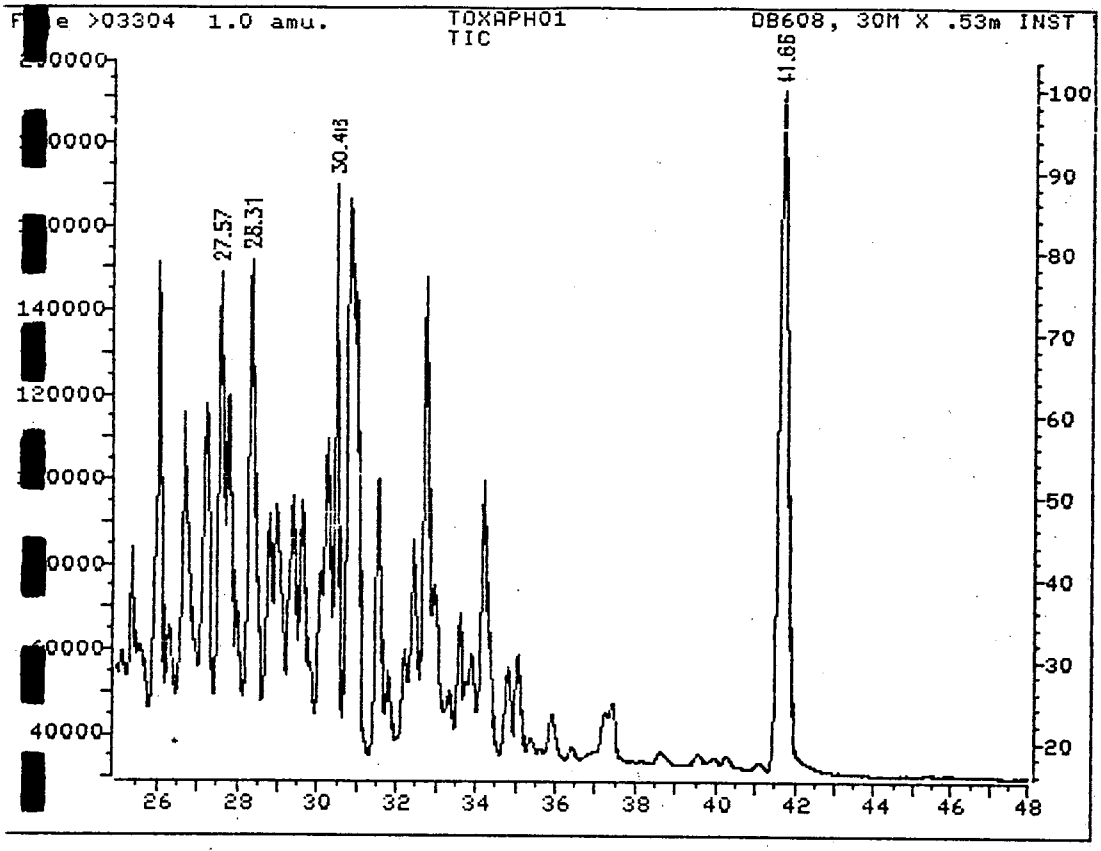
Page 2 of 2



MS data file header from : >03304::F3

Sample: TOXAPH01 Operator: TRFI2 7/13/96 22:00
Misc : DB608, 30M X .53m INST 58903, 1ul INJ
Sus. #: 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 : >03304::F3

Sample: TOXAPH01 Operator: TRFI2 7/13/96 22:00
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

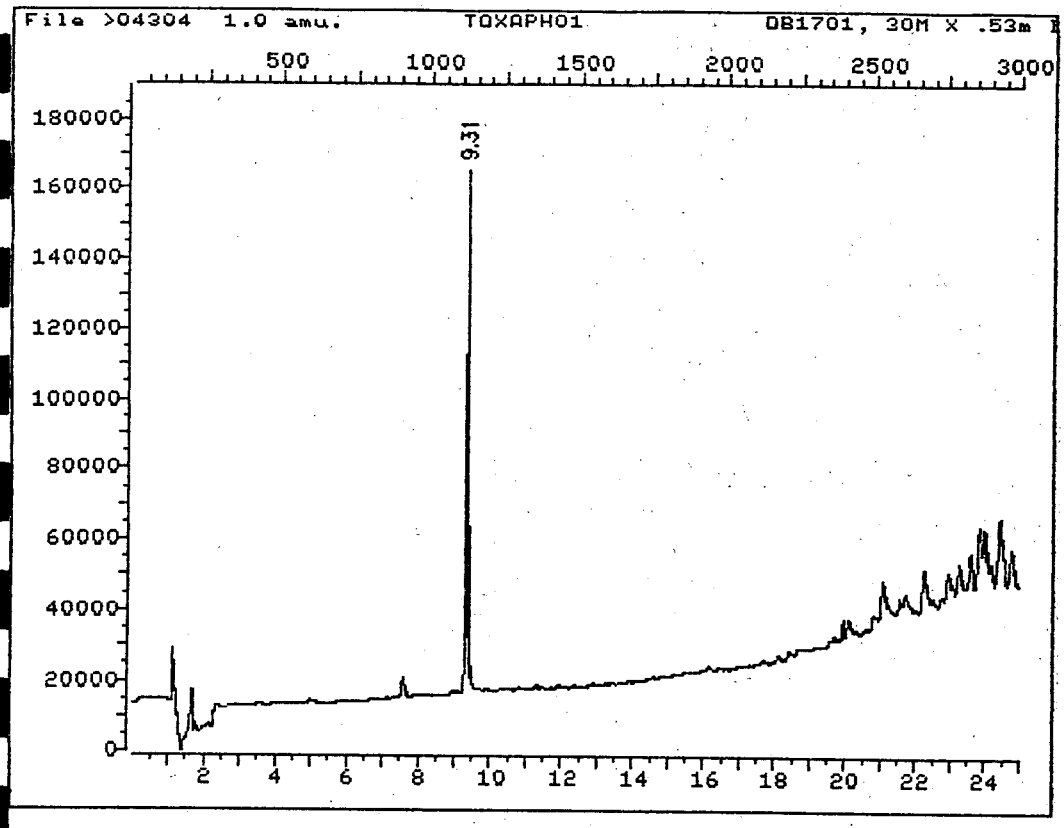
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960719 14:21
Output File: ^04304::GQ Injected at: 960713 22:00
Data File: >04304::G1 Dilution Factor: 1.00000
Name: TOXAPHO1A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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	0.020	9.31	1117	793574	19.40	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.70	4644	930638	20.29	ng/ml	100
22)	#Toxaphene(1)	0.500	25.17	3020	276764	500.00	ng/ml	100
31)	#Toxaphene(2)	0.500	28.38	3405	338562	500.00	ng/ml	100
32)	#Toxaphene(3)	0.500	30.37	3644	269693	500.00	ng/ml	100
33)	#Toxaphene(4)	0.500	31.79	3815	259147	500.00	ng/ml	100

Compound uses ESTD

EPui
7/22/96



Data File: >04304::G1 Quant Output File: ^04304::GQ
Name: TOXAPH01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:21
Injected at: 960713 22:00

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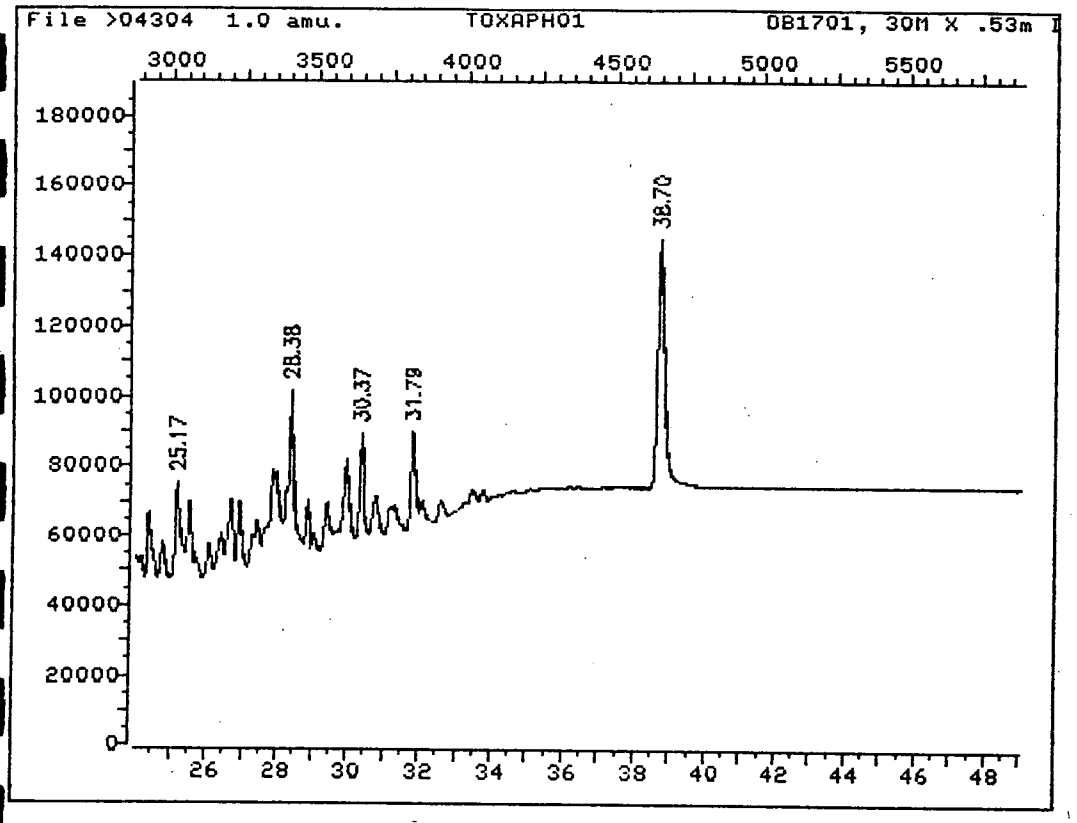

Data File: >04304::G1 Quant Output File: ^04304::GQ
Name: TOXAPH01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960719 14:21
Injected at: 960713 22:00

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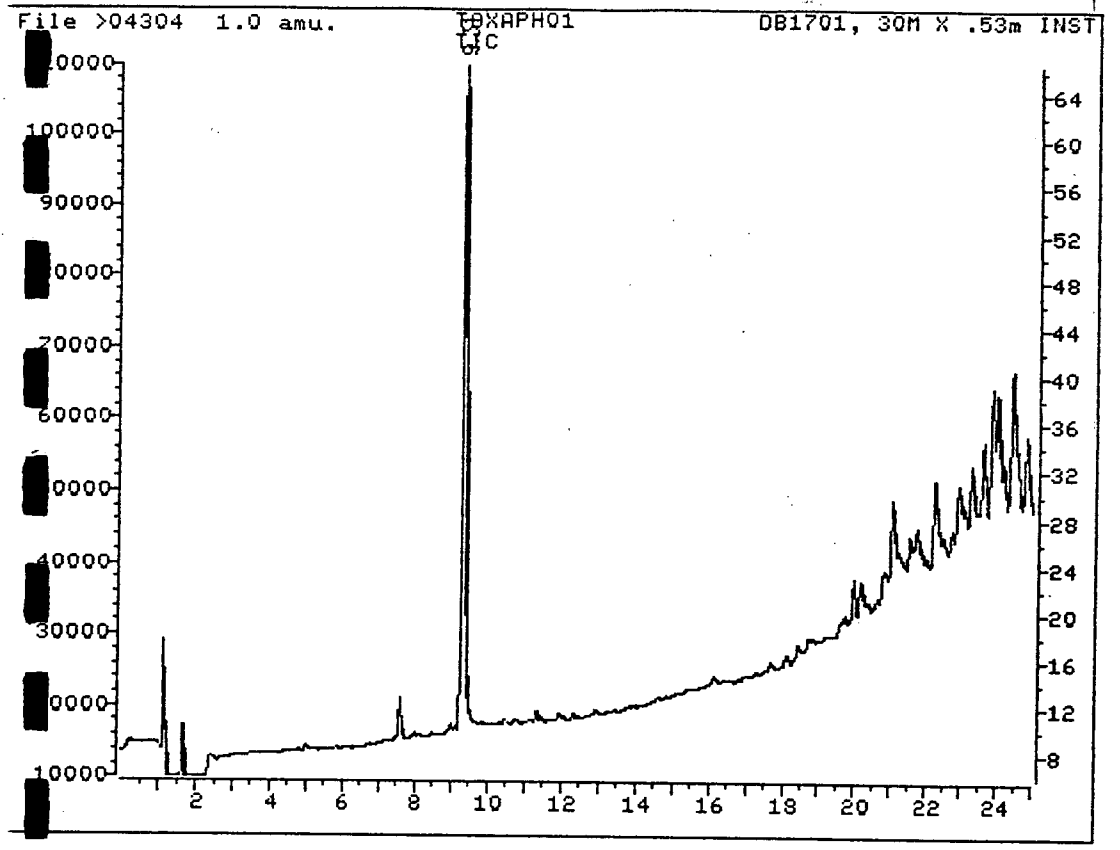
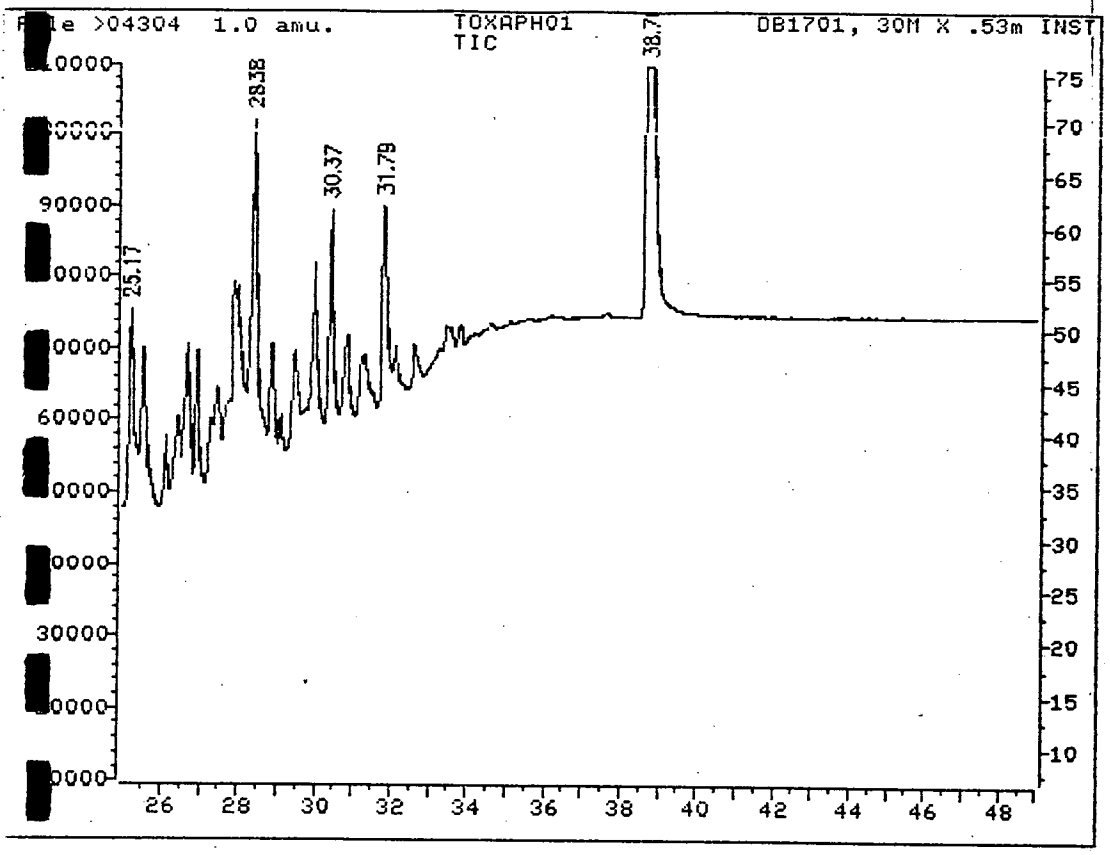


MS data file header from : >04304::G1

Sample: TOXAPH01 Operator: TRFI2 7/13/96 22:00
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 : >04304::G1

Sample: TOXAPH01 Operator: TRFI2 7/13/96 22:00
Misc : DB1701, 30M X .53m INST 58903, 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

QUANT REPORT

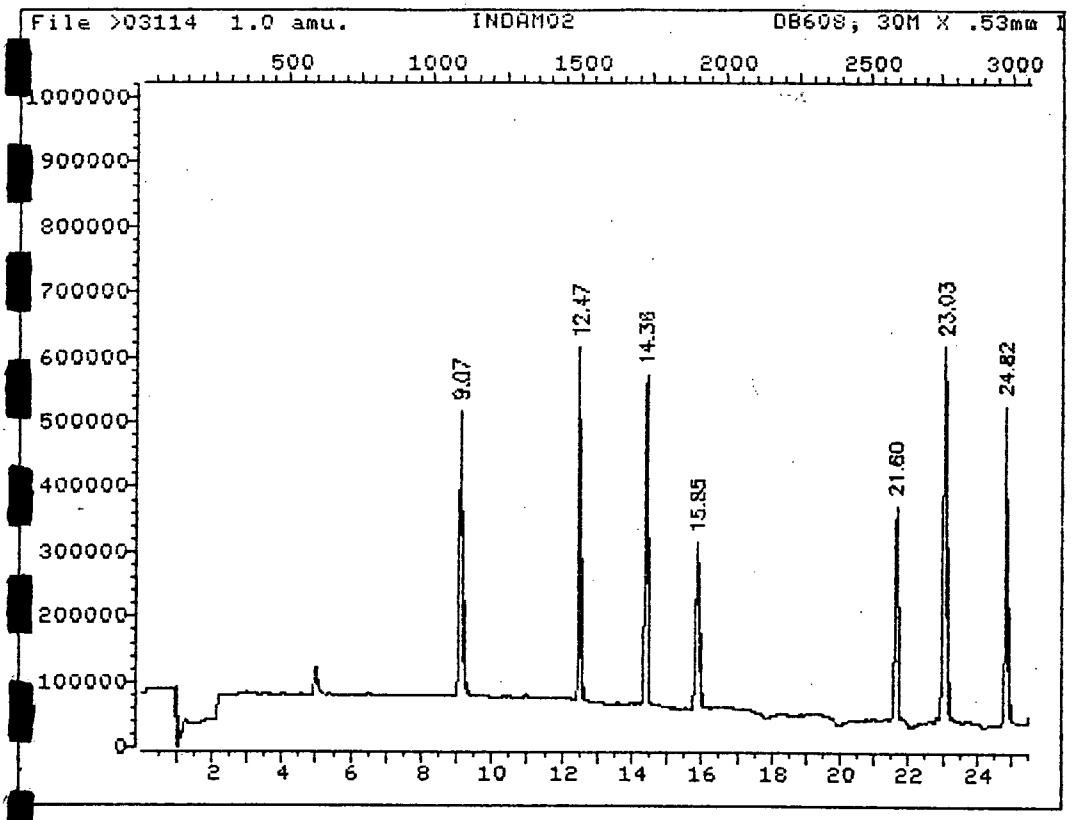
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960705 17:31
Output File: ^03114::F3 Injected at: 960702 15:24
Data File: >03114::G3 Dilution Factor: 1.00000
Name: INDAM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	NG INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2560509	20.46	ng/ml	100
2)	#alpha-BHC	0.020	12.47	1496	3020118	20.40	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.36	1723	2798357	20.48	ng/ml	100
6)	#Heptachlor	0.020	15.85	1902	1667180	21.37	ng/ml	100
9)	#Endosulfan I	0.020	21.60	2592	2436571	20.00	ng/ml	100
10)	#Dieldrin	0.040	23.03	2764	3865691	40.88	ng/ml	100
12)	#Endrin	0.040	24.82	2978	3509948	41.01	ng/ml	100
14)	#4,4'-DDD	0.040	25.62	3074	2331356	40.48	ng/ml	100
16)	#4,4'-DDT	0.040	27.20	3264	2647048	40.84	ng/ml	100
17)	#Methoxychlor	0.200	32.44	3893	7985751	205.69	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.66	4999	4828021	40.34	ng/ml	100

Compound uses ESTD

7/13/96



Data File: >03114::G3 Quant Output File: ^03114::F3
Name: INDAM02 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: TRFI2
Quant Time : 960705 17:31
Injected at: 960702 15:24

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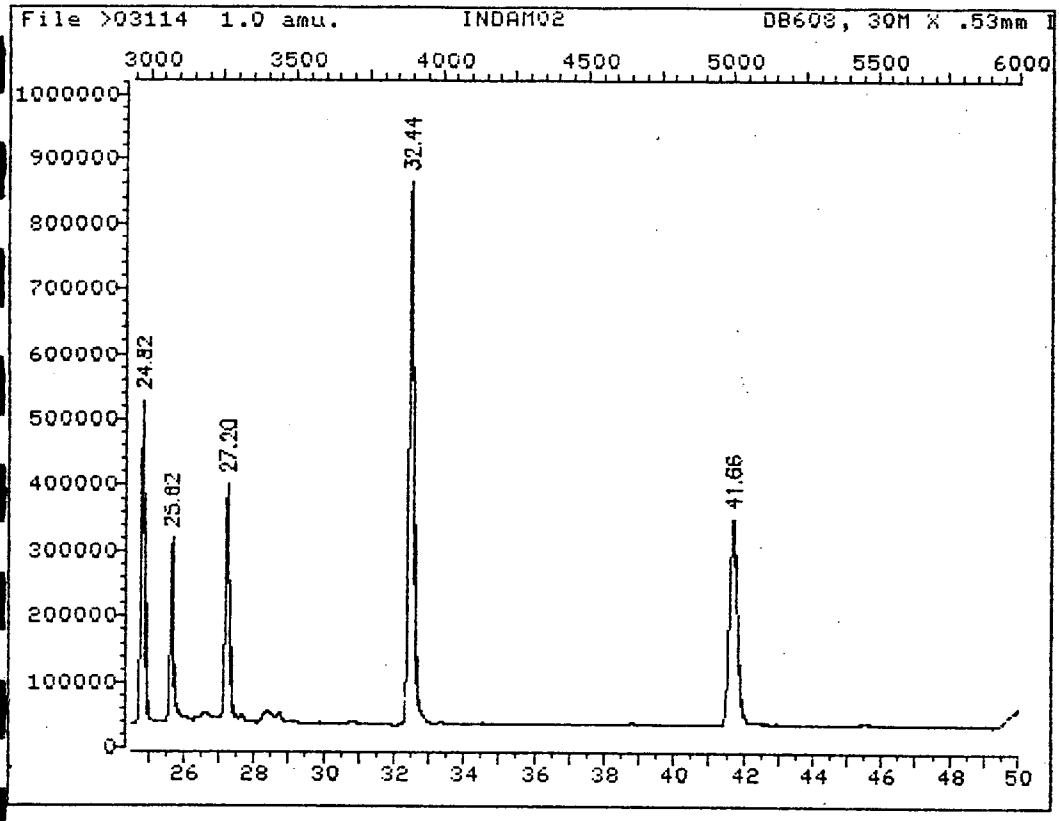

Data File: >03114::G3 Quant Output File: ^03114::F3
Name: INDAM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960705 17:31
Injected at: 960702 15:24

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QUANT REPORT

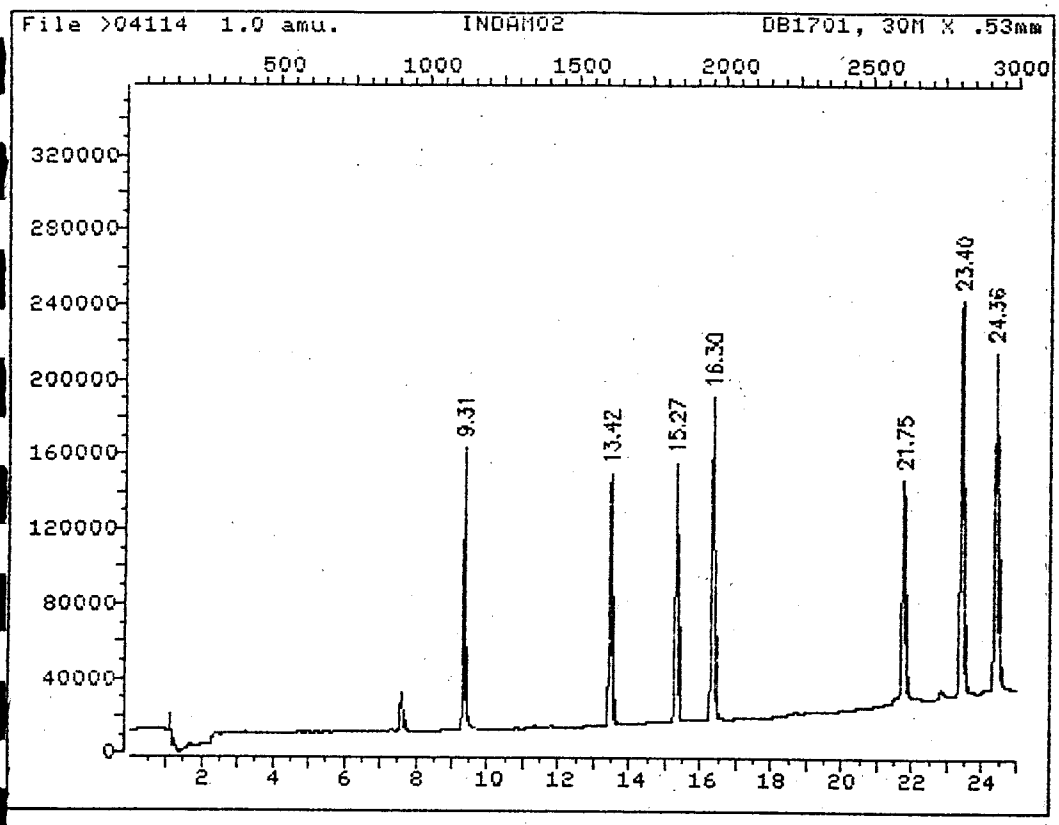
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960705 18:30
Output File: ^04114::F3 Injected at: 960702 15:24
Data File: >04114::G5 Dilution Factor: 1.00000
Name: INDAM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	NG INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	846952	20.45	ng/ml	100
2)	#alpha-BHC	0.020	13.42	1611	669604	20.44	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	15.27	1832	690010	20.29	ng/ml	100
6)	#Heptachlor	0.020	16.30	1956	965870	20.36	ng/ml	100
9)	#Endosulfan I	0.020	21.75	2610	722496	20.23	ng/ml	100
10)	#Dieldrin	0.040	23.40	2808	1305037	40.19	ng/ml	100
12)	#Endrin	0.040	24.36	2923	1182049	40.78	ng/ml	100
14)	#4,4'-DDD	0.040	26.53	3183	856759	40.55	ng/ml	100
16)	#4,4'-DDT	0.040	27.43	3291	575856	34.94	ng/ml	100
17)	#Methoxychlor	0.200	30.84	3701	2649302	196.83	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.69	4643	1882017	40.30	ng/ml	100

Compound uses ESTD

JM/MC 7/16/96



Data File: >04114::G5 Quant Output File: ^04114::F3
Name: INDAM02 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: TRFI2
Quant Time : 960705 18:30
Injected at: 960702 15:24

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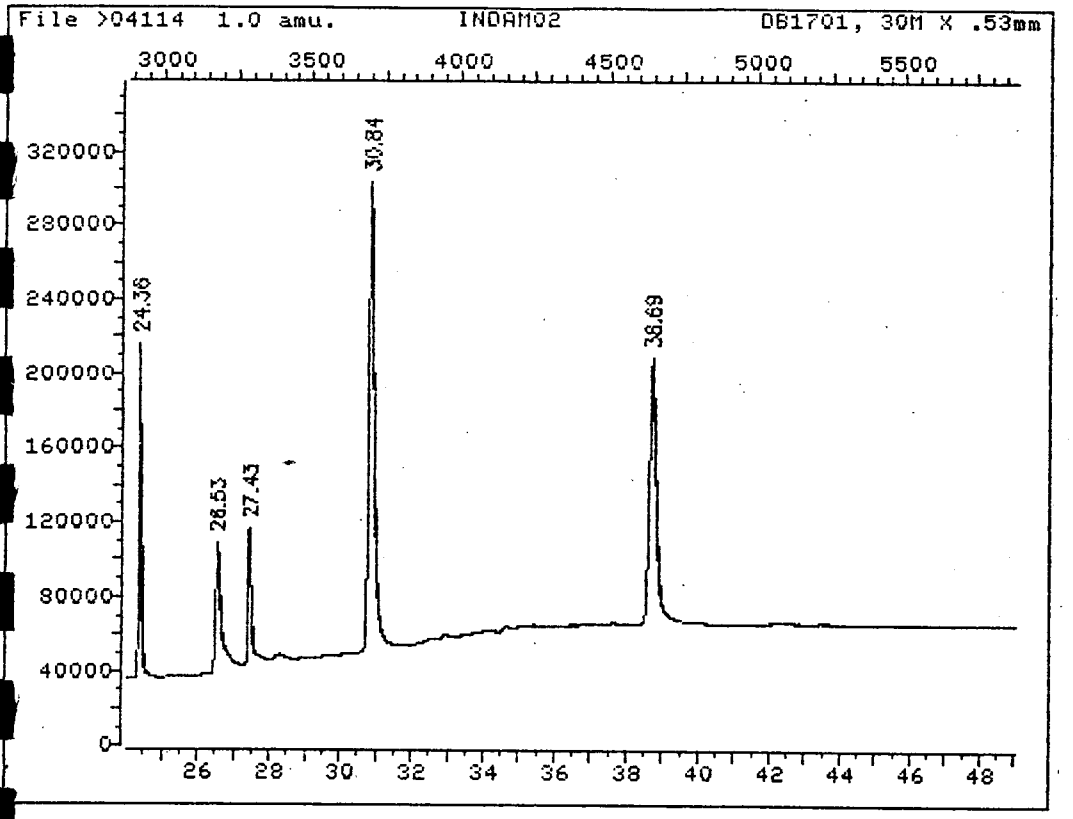

Data File: >04114::G5 Quant Output File: ^04114::F3
Name: INDAM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960705 18:30
Injected at: 960702 15:24

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QUANT REPORT

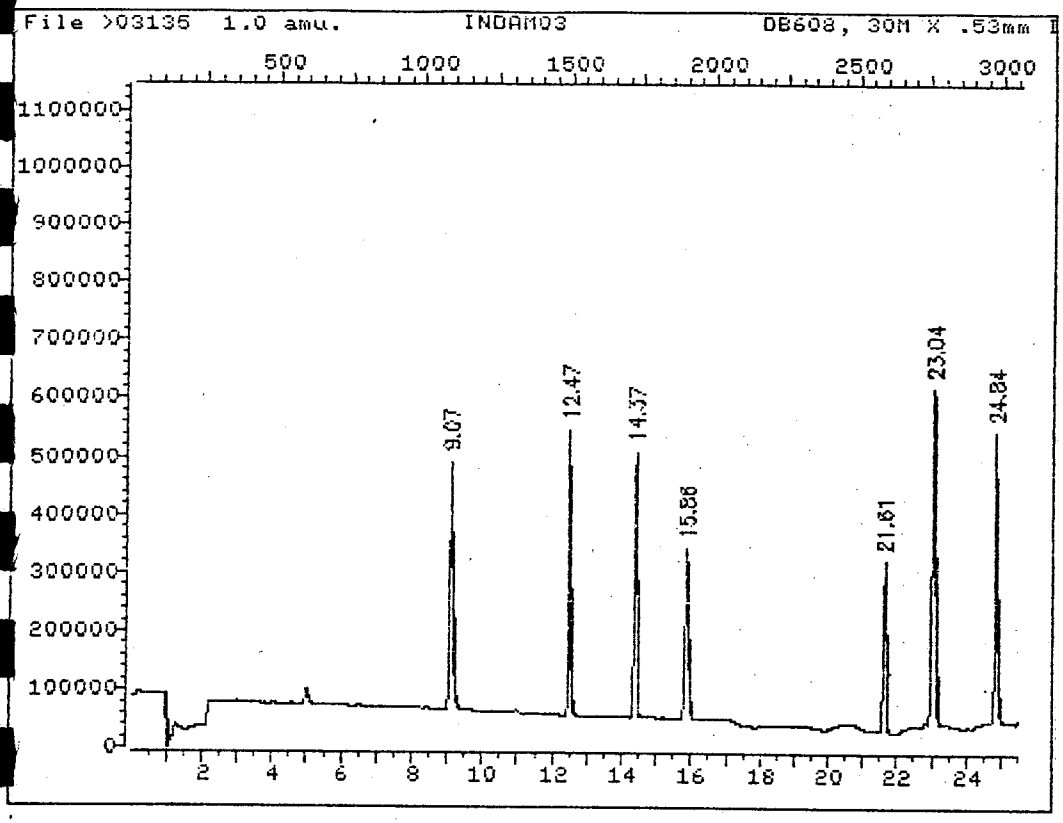
Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960705 18:01
Output File: ^03135::F3
Injected at: 960703 13:03
Data File: >03135::G3
Dilution Factor: 1.00000
Name: INDAM03
Instrument ID: GC03
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2506726	20.03	ng/ml	100
2)	#alpha-BHC	0.020	12.47	1497	2666963	18.02	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.37	1724	2542858	18.61	ng/ml	100
6)	#Heptachlor	0.020	15.86	1903	1861332	23.86	ng/ml	100
9)	#Endosulfan I	0.020	21.61	2593	1908277	15.66	ng/ml	100
10)	#Dieldrin	0.040	23.04	2765	3800154	40.19	ng/ml	100
12)	#Endrin	0.040	24.84	2980	3494217	40.82	ng/ml	100
14)	#4,4'-DDD	0.040	25.63	3075	2421765	42.05	ng/ml	100
16)	#4,4'-DDT	0.040	27.21	3265	2818731M	43.49	ng/ml	100
17)	#Methoxychlor	0.200	32.46	3895	8424570	216.99	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.69	5003	4772431	39.87	ng/ml	100

Compound uses ESTD

7/26/96



Data File: >03135::G3 Quant Output File: ^03135::F3
Name: INDAM03 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 18:01
Injected at: 960703 13:03

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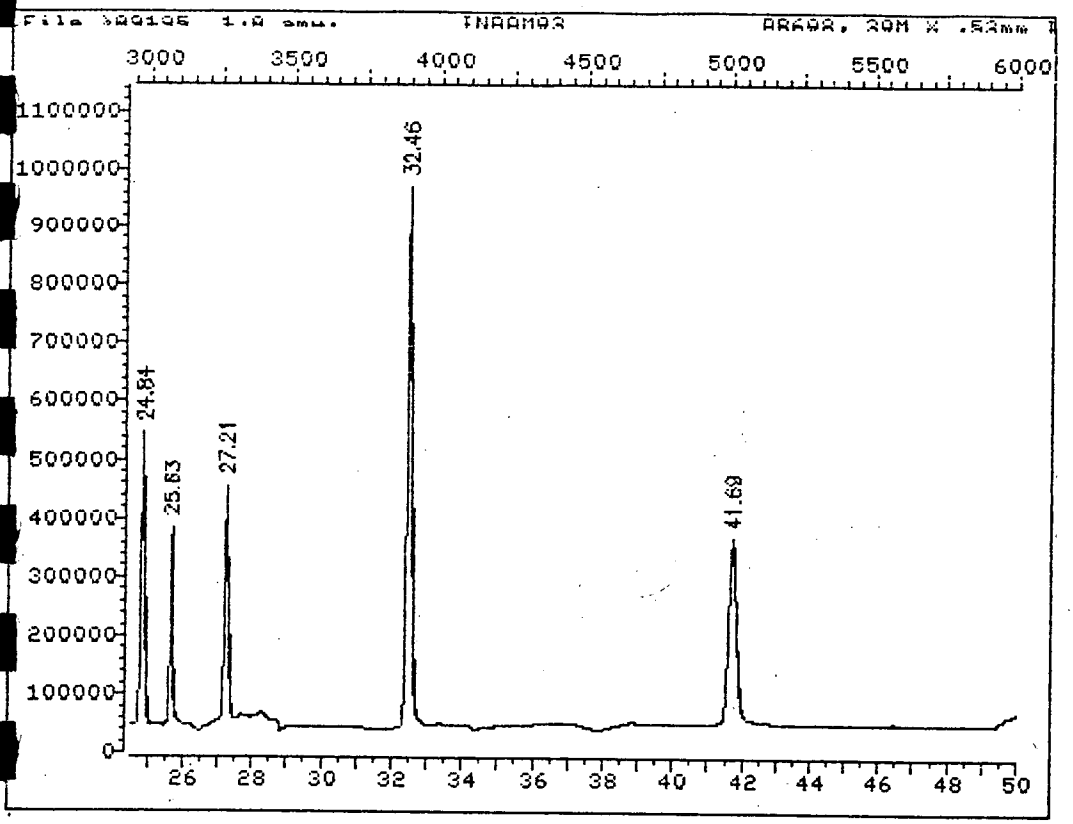

Data File: >03135::G3 Quant Output File: ^03135::F3
Name: INDAM03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 18:01
Injected at: 960703 13:03

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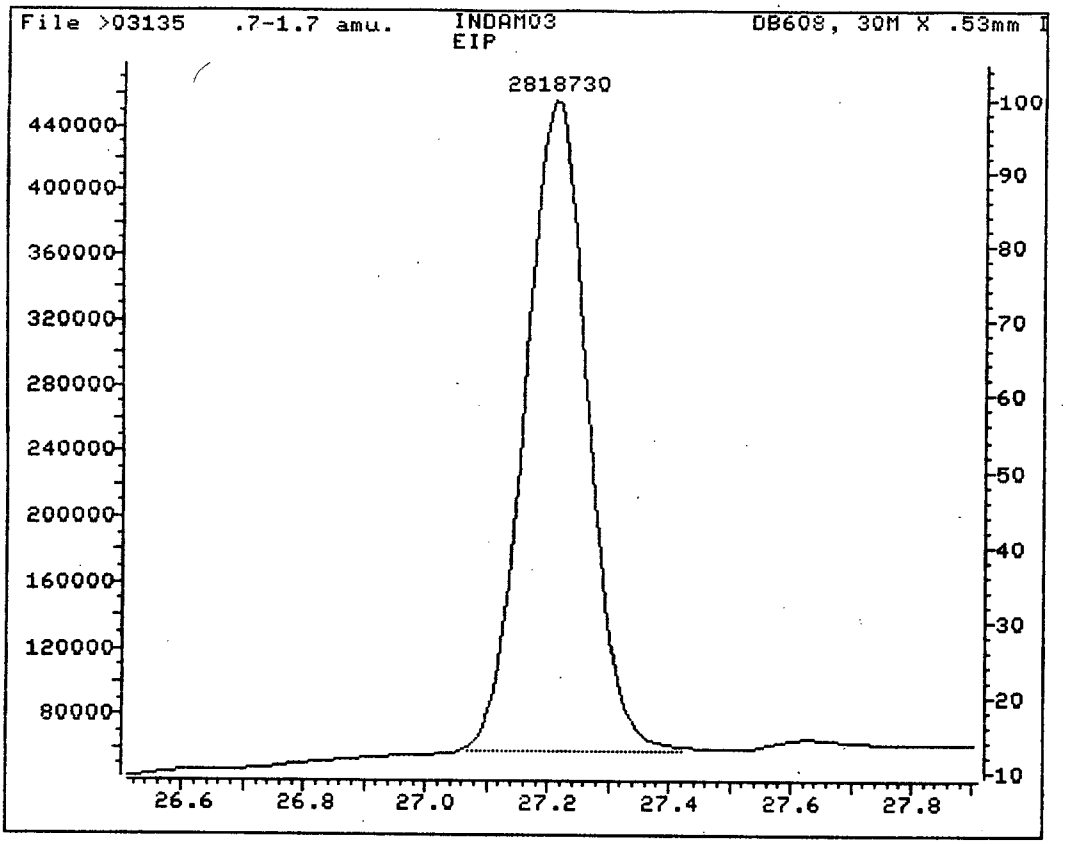


Data File: >03135::G3 Quant Output File: ^03135::F3
Name: INDAM03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960705 18:01 Quant ID File: IDCAP1::SC
Injected at: 960703 13:03 Last Calibration: 941029 10:07

Compound No: 16
Compound Name: 4,4'-DDT
Scan Number: 3265
Retention Time: 27.21 min.
Quant Ion: 1.0
Area: 2818731M
Concentration: 43.49 ng/ml
q-value: 100

This report was produced by QAREA on: 960726 17:27

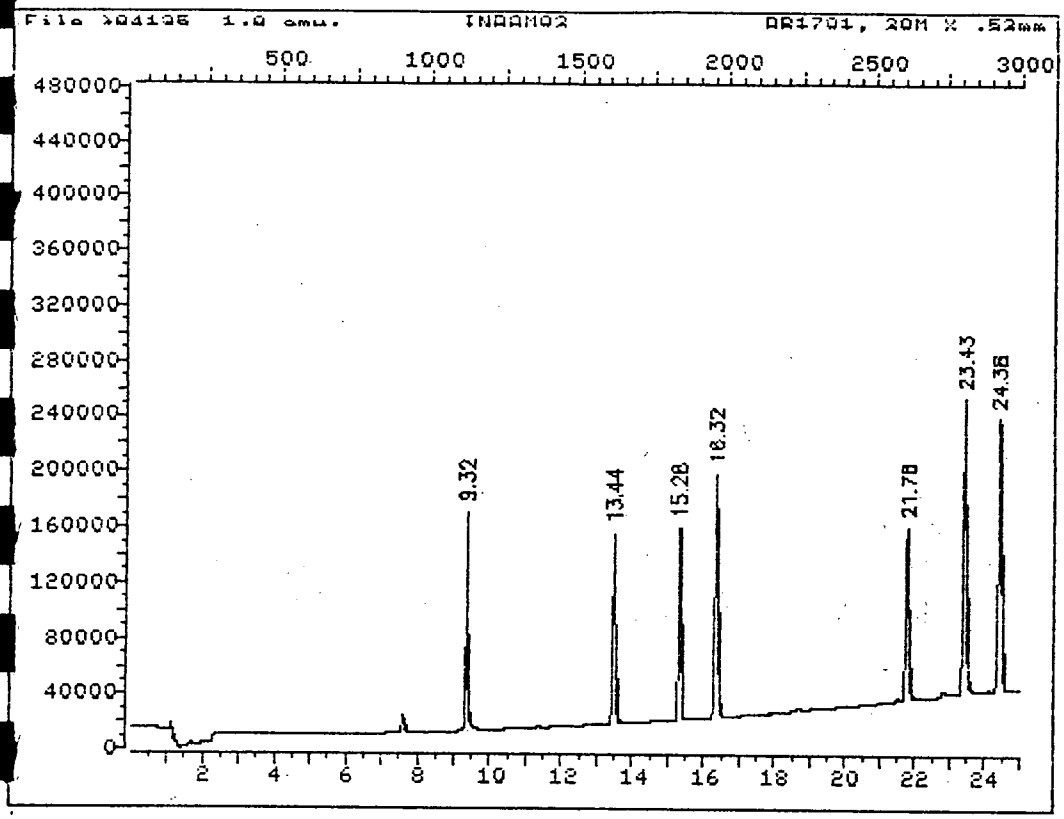
Operator ID: TRFIL Quant Rev: 7 Quant Time: 960708 12:33
Output File: ^04135::F3 Injected at: 960703 13:03
Data File: >04135::G5 Dilution Factor: 1.00000
Name: INDAM03 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	NG INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1119	856382	20.68	ng/ml	100
2)	#alpha-BHC	0.020	13.44	1613	674523	20.59	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	15.28	1834	706590	20.78	ng/ml	100
6)	#Heptachlor	0.020	16.32	1959	985801	20.78	ng/ml	100
9)	#Endosulfan I	0.020	21.78	2613	703549	19.70	ng/ml	100
10)	#Dieldrin	0.040	23.43	2811	1282998	39.51	ng/ml	100
12)	#Endrin	0.040	24.38	2926	1221291	42.13	ng/ml	100
14)	#4,4'-DDD	0.040	26.54	3184	860009	40.70	ng/ml	100
16)	#4,4'-DDT	0.040	27.44	3292	749488	45.48	ng/ml	100
17)	#Methoxychlor	0.200	30.86	3703	2939642	218.40	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.72	4646	1868466	40.01	ng/ml	100

Compound uses ESTD

7/16/96



Data File: >04135::G5 Quant Output File: ^04135::F3
Name: INDAM03 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 12:33
Injected at: 960703 13:03

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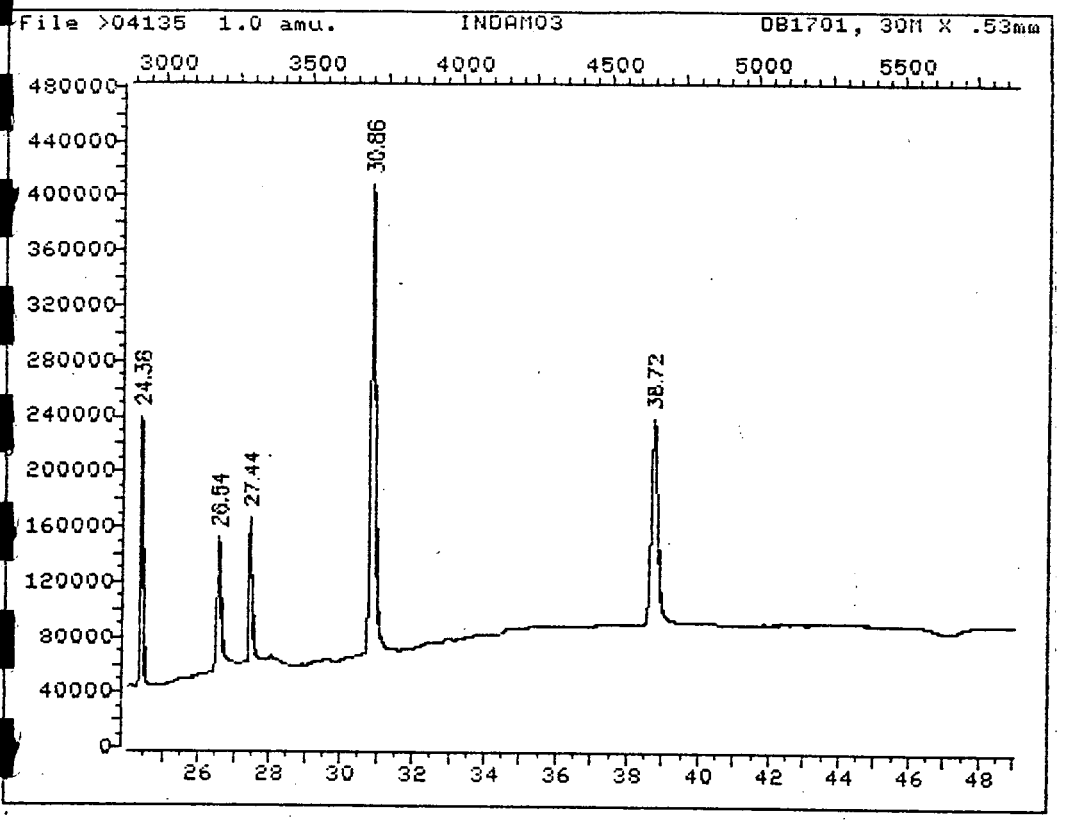

Data File: >04135::G5 Quant Output File: ^04135::F3
Name: INDAM03 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 12:33
Injected at: 960703 13:03

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03159::F3
Data File: >03159::G3
Name: INDAM04
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 23:01
Injected at: 960706 22:08
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2538308	20.28	ng/ml	100
2)	#alpha-BHC	0.020	12.47	1496	3113001	21.03	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.36	1723	2860206	20.93	ng/ml	100
6)	#Heptachlor	0.020	15.85	1902	1644118	21.07	ng/ml	100
9)	#Endosulfan I	0.020	21.59	2591	2353577	19.32	ng/ml	100
10)	#Dieldrin	0.040	23.03	2763	3883004	41.07	ng/ml	100
12)	#Endrin	0.040	24.82	2978	3530683	41.25	ng/ml	100
14)	#4,4'-DDD	0.040	25.62	3074	2309860	40.10	ng/ml	100
16)	#4,4'-DDT	0.040	27.20	3264	2596842	40.06	ng/ml	100
17)	#Methoxychlor	0.200	32.44	3893	7726617	199.01	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.66	4999	4728012	39.50	ng/ml	100

Compound uses ESTD

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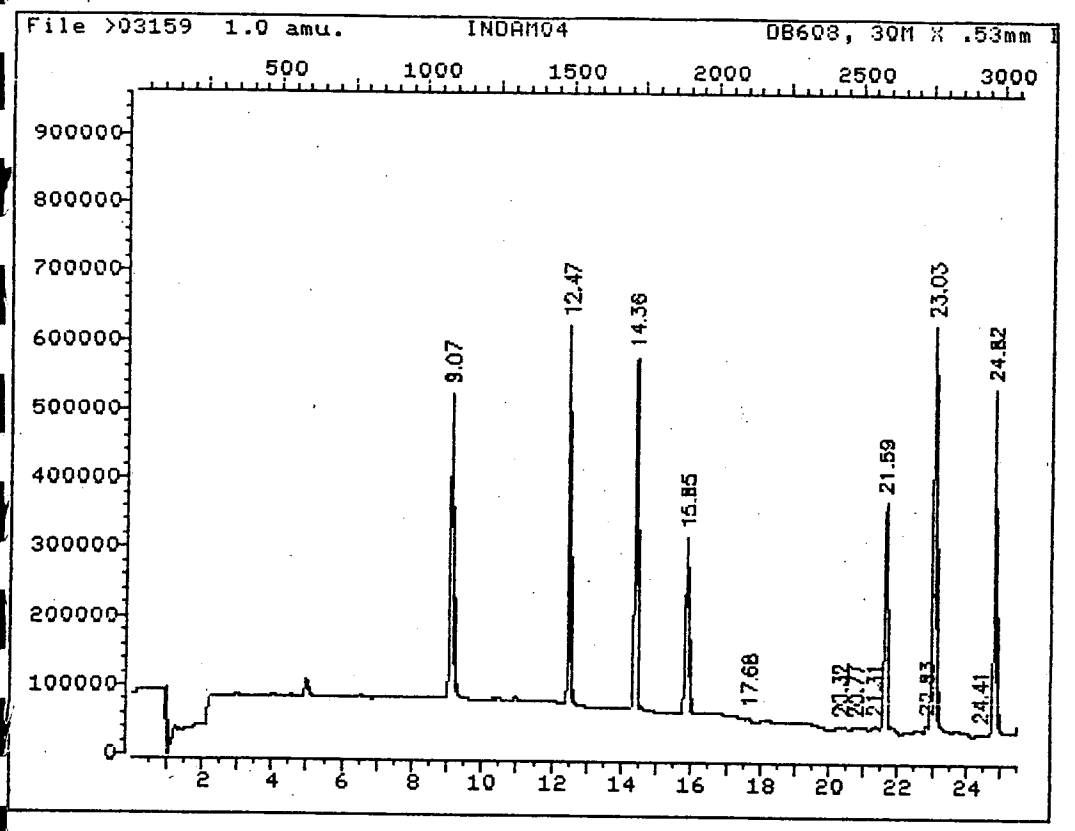
7/9/96



Data File: >03159::G3 Quant Output File: ^03159::F3
Name: INDAM04 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 23:01
Injected at: 960706 22:08

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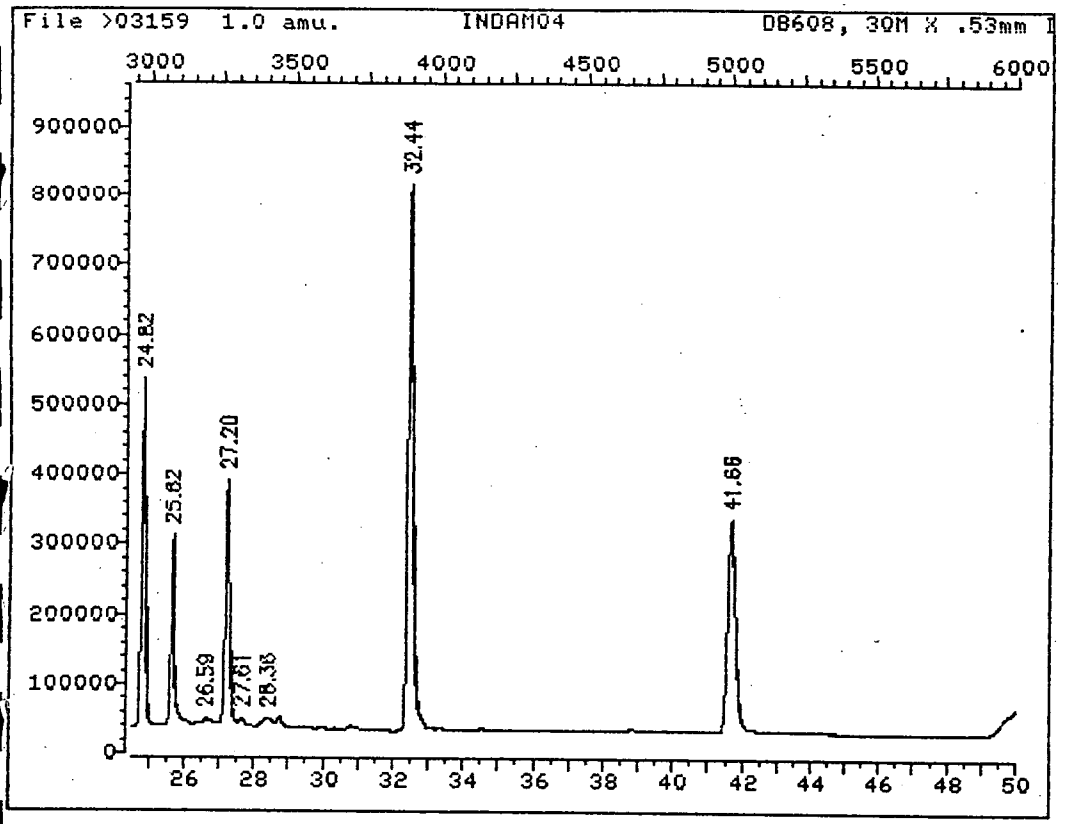

Data File: >03159::G3 Quant Output File: ^03159::F3
Name: INDAM04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 23:01
Injected at: 960706 22:08

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04159::F3
Data File: >04159::G5
Name: INDAM04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 22:59
Injected at: 960706 22:08
Dilution Factor: 1.00000
Instrument ID: GC04

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

Last Qcal Time: 960701 21:23

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	838238	20.24	ng/ml	100
2)	#alpha-BHC	0.020	13.42	1611	658044	20.08	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	15.27	1832	680657	20.02	ng/ml	100
6)	#Heptachlor	0.020	16.30	1956	954253	20.12	ng/ml	100
9)	#Endosulfan I	0.020	21.75	2610	705668	19.76	ng/ml	100
10)	#Dieldrin	0.040	23.40	2808	1283312	39.52	ng/ml	100
12)	#Endrin	0.040	24.36	2923	1202844	41.49	ng/ml	100
14)	#4,4'-DDD	0.040	26.54	3184	812188	38.44	ng/ml	100
16)	#4,4'-DDT	0.040	27.43	3291	515624	31.29	ng/ml	100
17)	#Methoxychlor	0.200	30.85	3702	2422674	179.99	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.70	4644	1861895	39.87	ng/ml	100

Compound uses ESTD

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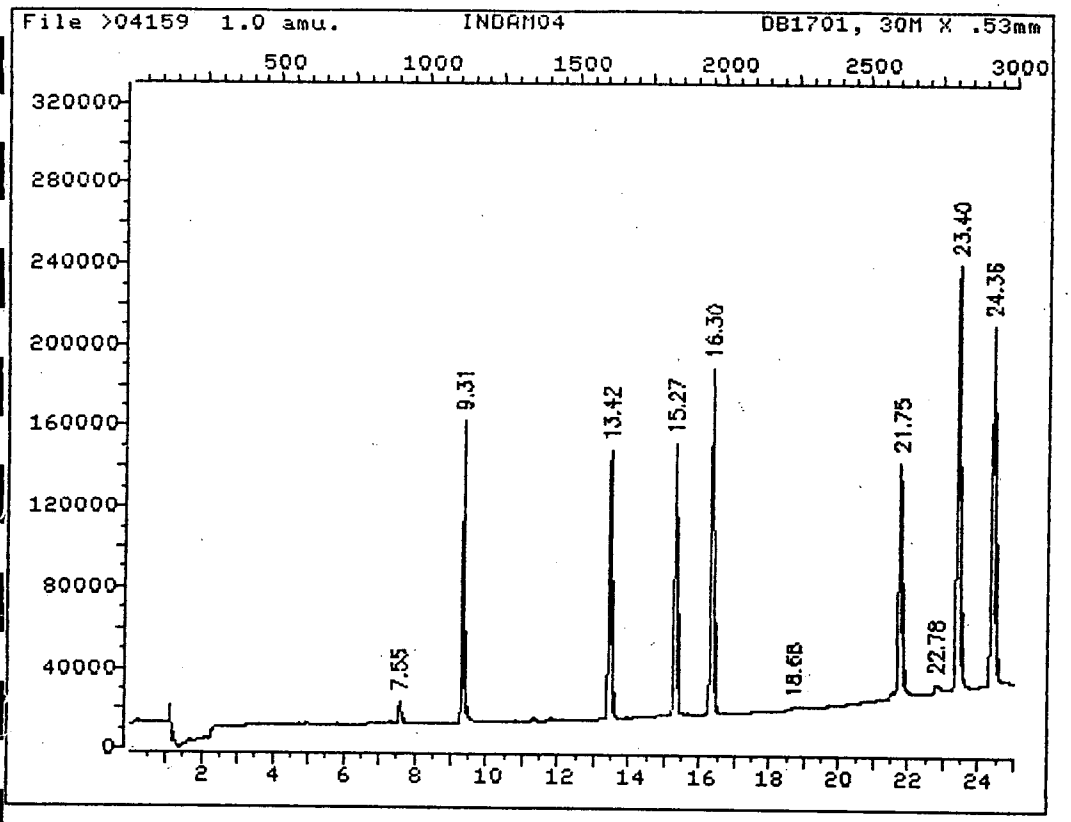
7/9/96



Data File: >04159::G5 Quant Output File: ^04159::F3
Name: INDAM04 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 22:59
Injected at: 960706 22:08

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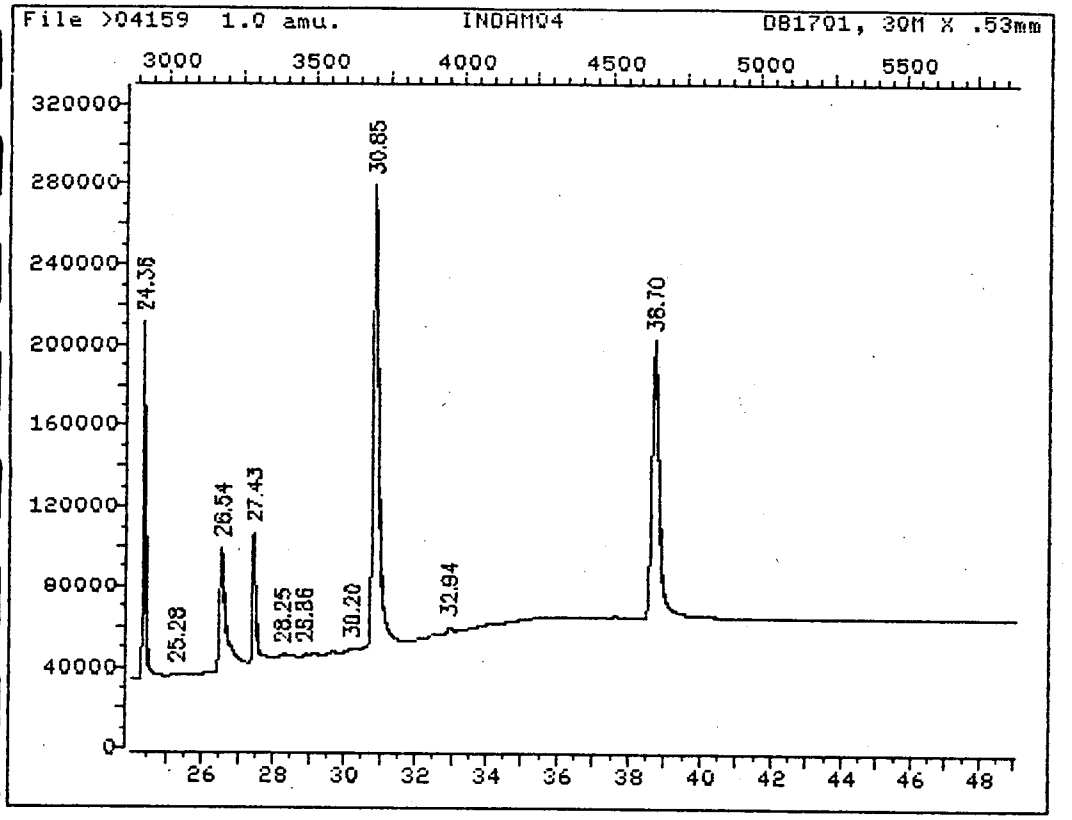

Data File: >04159::G5 Quant Output File: ^04159::F3
Name: INDAM04 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 22:59
Injected at: 960706 22:08

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QUANT REPORT

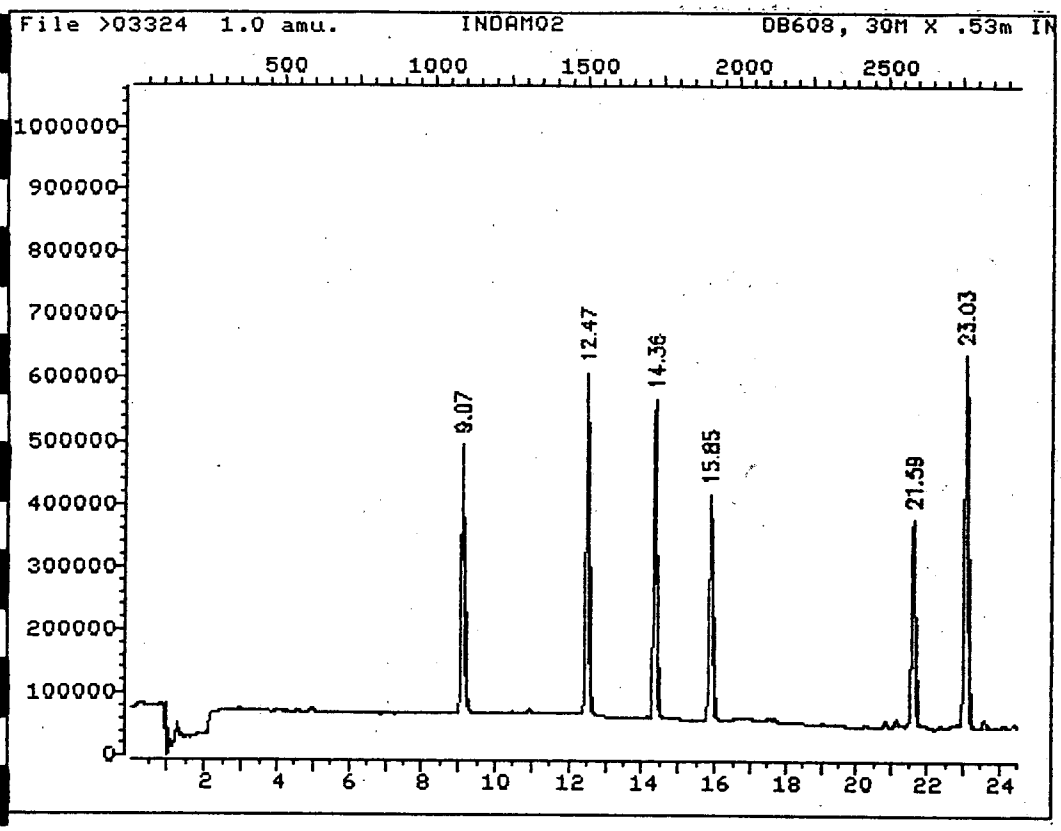
Operator ID: TRFI2
Output File: ^03324::GQ
Data File: >03324::F3
Name: INDAM02A
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 09:06
Injected at: 960714 16:31
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	Ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2446556	20.45	ng/ml	100
2)	#alpha-BHC	0.020	12.47	1497	2993485	20.09	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.36	1723	2834705	20.46	ng/ml	100
6)	#Heptachlor	0.020	15.85	1902	2342818	22.30	ng/ml	100
9)	#Endosulfan I	0.020	21.59	2591	2127525	20.04	ng/ml	100
10)	#Dieldrin	0.040	23.03	2764	3842182	40.73	ng/ml	100
12)	#Endrin	0.040	24.82	2978	3610177	41.30	ng/ml	100
14)	#4,4'-DDD	0.040	25.62	3074	2455451	39.77	ng/ml	100
16)	#4,4'-DDT	0.040	27.19	3263	2780124	40.93	ng/ml	100
17)	#Methoxychlor	0.200	32.44	3893	8048636	202.31	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.65	4998	4555328	39.40	ng/ml	100

Compound uses ESTD



Data File: >03324::F3 Quant Output File: ^03324::GQ
Name: INDAM02 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 09:06
Injected at: 960714 16:31

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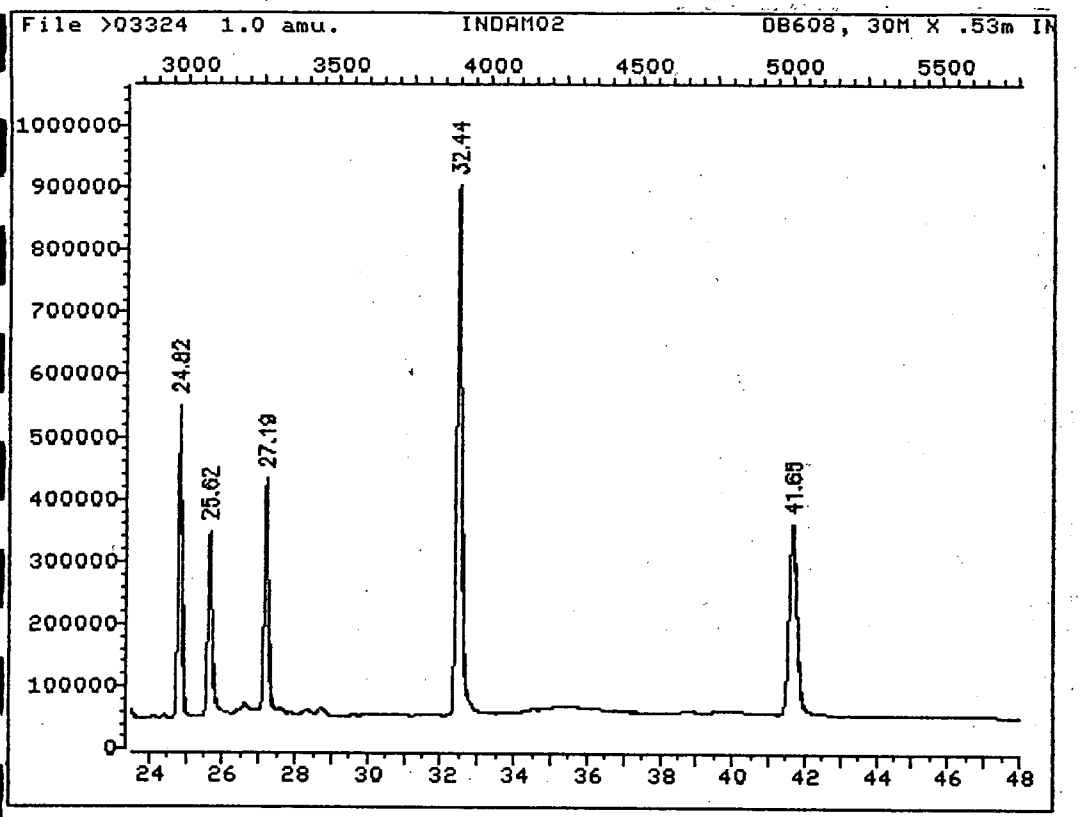

Data File: >03324::F3 Quant Output File: ^03324::GQ
Name: INDAM02 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 09:06
Injected at: 960714 16:31

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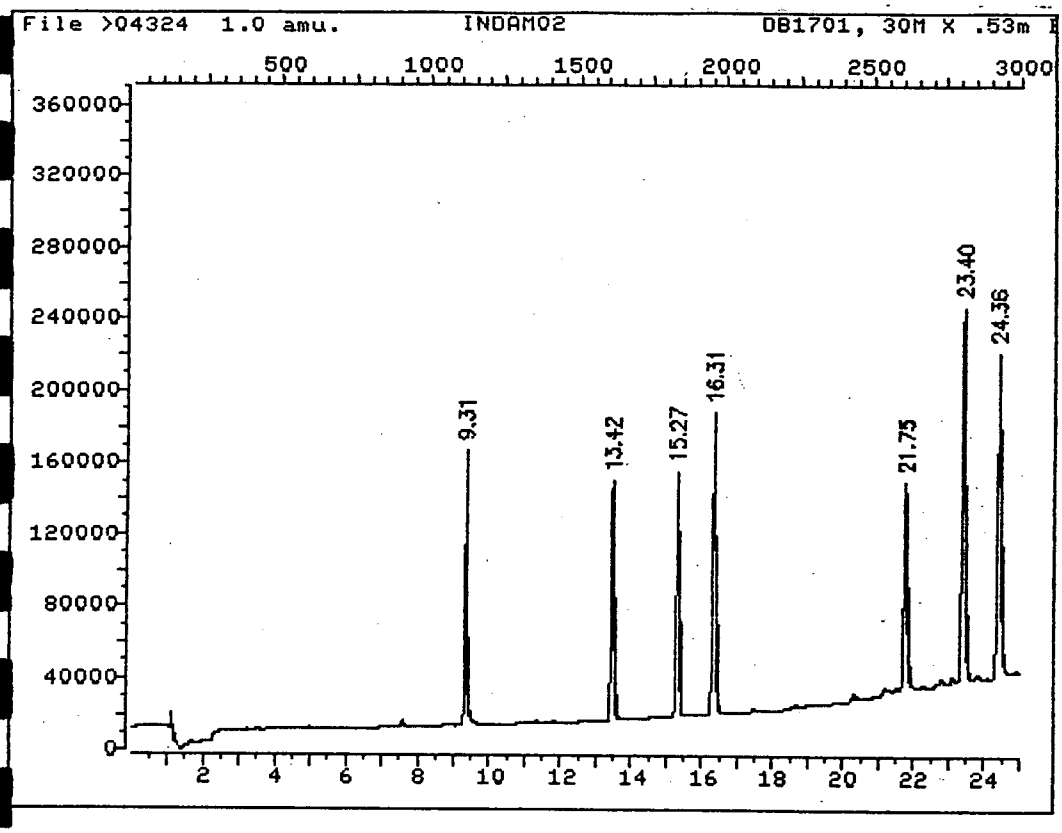
QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:32
Output File: ^04324::GQ Injected at: 960714 16:31
Data File: >04324::G1 Dilution Factor: 1.00000
Name: INDAM02A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

	Compound	Ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	838839	20.50	ng/ml	100
2)	#alpha-BHC	0.020	13.42	1611	660699	20.30	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	15.27	1832	692186	20.35	ng/ml	100
6)	#Heptachlor	0.020	16.31	1957	948805	20.28	ng/ml	100
9)	#Endosulfan I	0.020	21.75	2610	692654	19.85	ng/ml	100
10)	#Dieldrin	0.040	23.40	2808	1251915	39.01	ng/ml	100
12)	#Endrin	0.040	24.36	2923	1199865	41.32	ng/ml	100
14)	#4,4'-DDD	0.040	26.53	3183	796715	41.45	ng/ml	100
16)	#4,4'-DDT	0.040	27.43	3291	625008	35.76	ng/ml	100
17)	#Methoxychlor	0.200	30.84	3701	2690968	201.03	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.69	4643	1826961	39.84	ng/ml	100

Compound uses ESTD



Data File: >04324::G1 Quant Output File: ^04324::GQ
Name: INDAM02 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 09:32
Injected at: 960714 16:31

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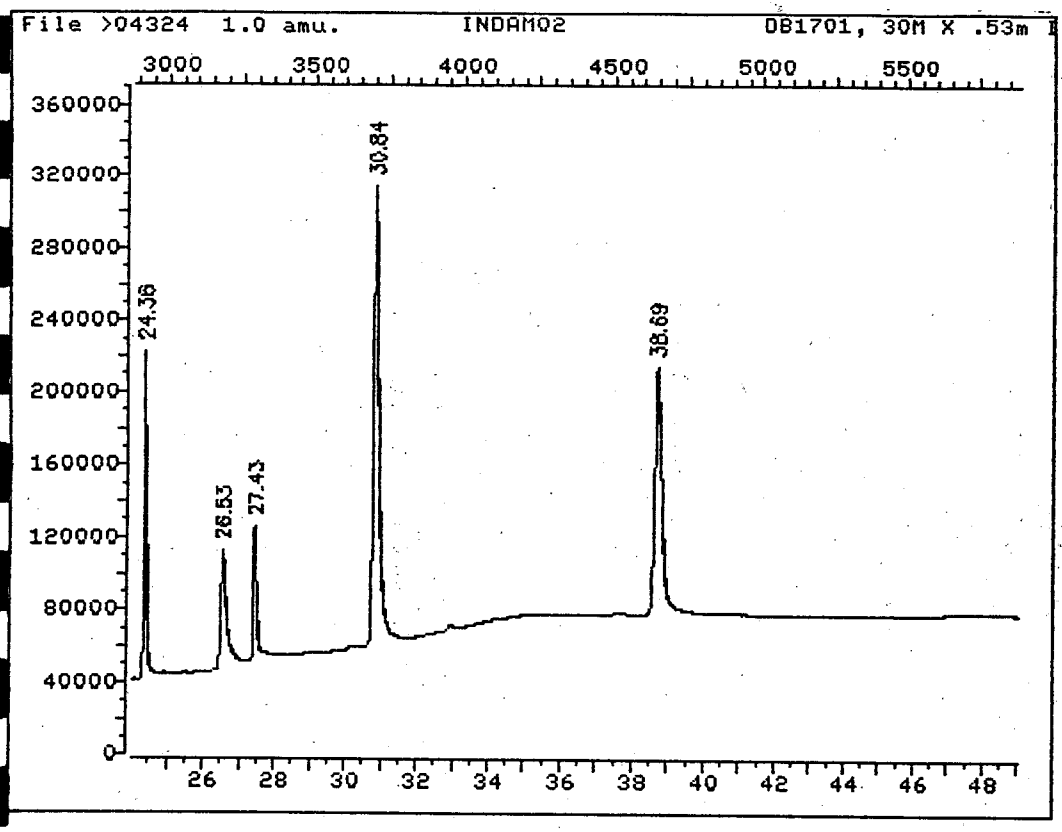

Data File: >04324::G1 Quant Output File: ^04324::GQ
Name: INDAM02 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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 09:32
Injected at: 960714 16:31

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 14:28
Output File: ^03347::GQ Injected at: 960715 13:31
Data File: >03347::F3 Dilution Factor: 1.00000
Name: INDAM03A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2446292	20.45	ng/ml	100
2)	#alpha-BHC	0.020	12.47	1497	2979054	19.99	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.36	1723	2811709	20.29	ng/ml	100
6)	#Heptachlor	0.020	15.86	1903	2192824	20.87	ng/ml	100
9)	#Endosulfan I	0.040	21.60	2592	2238750	21.09	ng/ml	100
0)	#Dieldrin	0.040	23.03	2764	3813471	40.42	ng/ml	100
2)	#Endrin	0.040	24.83	2979	3519631	40.27	ng/ml	100
14)	#4,4'-DDD	0.040	25.63	3075	2386512	38.65	ng/ml	100
16)	#4,4'-DDT	0.040	27.20	3264	2652264	39.04	ng/ml	100
7)	#Methoxychlor	0.200	32.45	3894	7769851	195.30	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.66	4999	4645860	40.18	ng/ml	100

Compound uses ESTD

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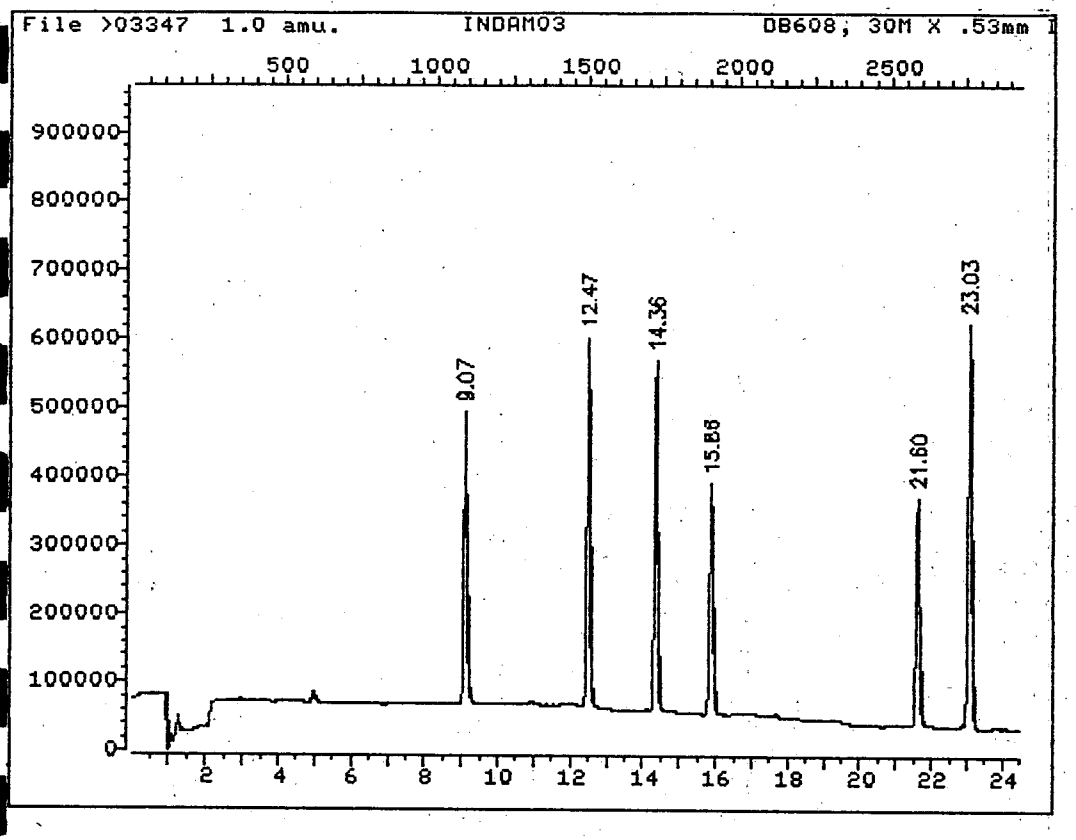

Data File: >03347::F3 Quant Output File: ^03347::GQ
Name: INDAM03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 14:28
Injected at: 960715 13:31

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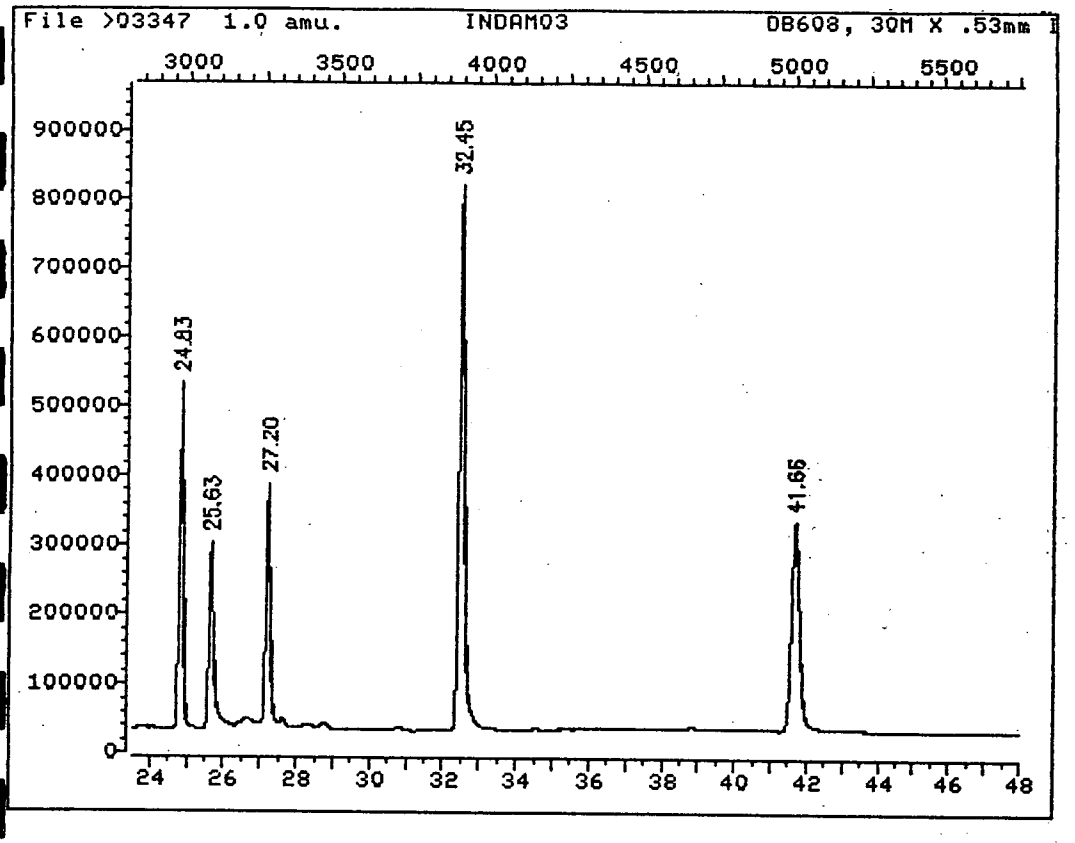

Data File: >03347::F3 Quant Output File: ^03347::GQ
Name: INDAM03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 14:28
Injected at: 960715 13:31

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QUANT REPORT

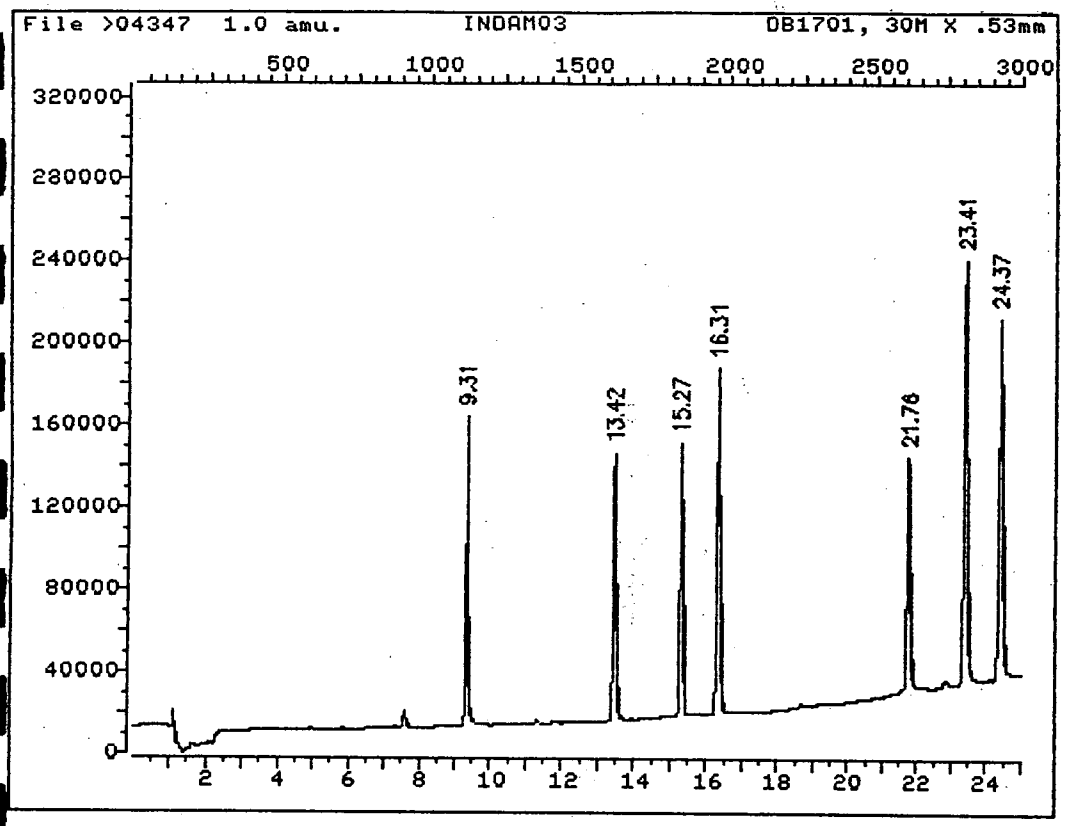
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 14:31
Output File: ^04347::GQ Injected at: 960715 13:31
Data File: >04347::G1 Dilution Factor: 1.00000
Name: INDAM03A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	Ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	833999	20.38	ng/ml	100
2)	#alpha-BHC	0.020	13.42	1611	661930	20.34	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	15.27	1832	697498	20.51	ng/ml	100
6)	#Heptachlor	0.020	16.31	1957	949478	20.30	ng/ml	100
9)	#Endosulfan I	0.020	21.76	2611	701414	20.10	ng/ml	100
10)	#Dieldrin	0.040	23.41	2809	1280706	39.91	ng/ml	100
12)	#Endrin	0.040	24.37	2924	1180901	40.67	ng/ml	100
14)	#4,4'-DDD	0.040	26.54	3185	742717	38.64	ng/ml	100
16)	#4,4'-DDT	0.040	27.44	3292	565564	32.36	ng/ml	100
17)	#Methoxychlor	0.200	30.86	3703	2498177	186.63	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.72	4646	1857117	40.49	ng/ml	100

Compound uses ESTD

JMM 7/21/96



Data File: >04347::G1 Quant Output File: ^04347::GQ
Name: INDAM03 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 14:31
Injected at: 960715 13:31

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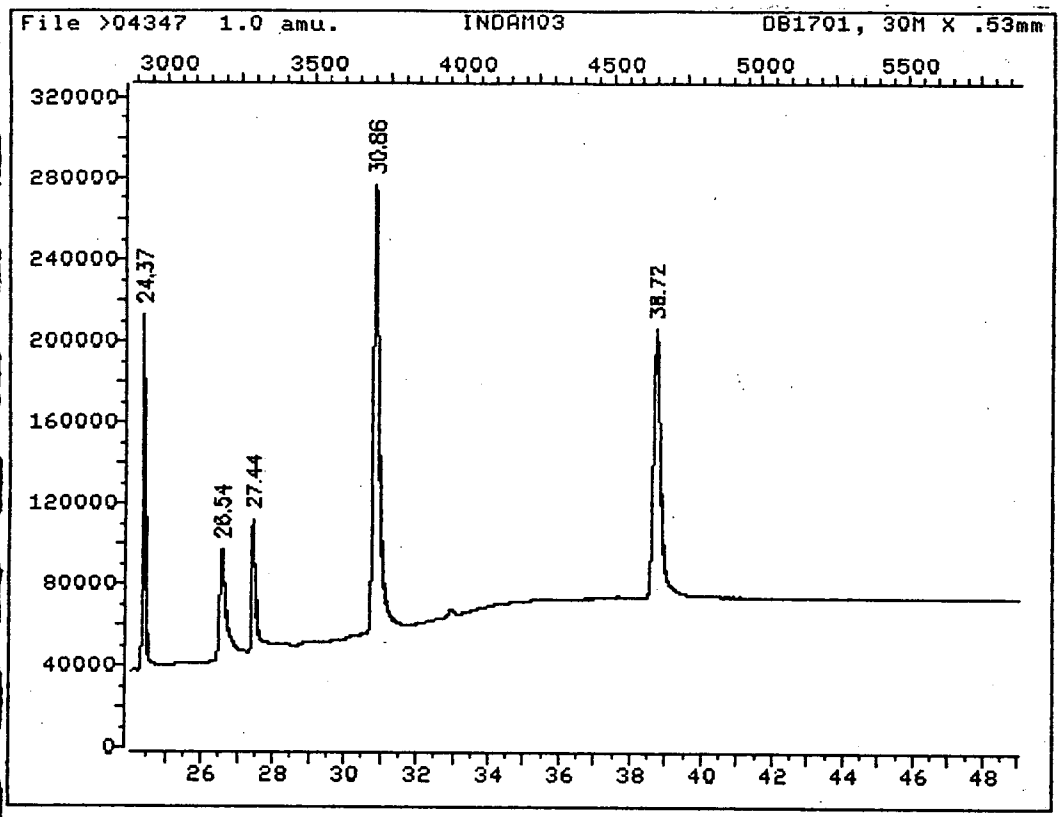

Data File: >04347::G1 Quant Output File: ^04347::GQ
Name: INDAM03 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 14:31
Injected at: 960715 13:31

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 11:40
Output File: ^03370::GQ Injected at: 960716 10:31
Data File: >03370::F3 Dilution Factor: 1.00000
Name: INDAM04A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	NG (INJ)	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2405664	20.11	ng/ml	100
2)	#alpha-BHC	0.020	12.47	1497	2980263	20.00	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.36	1723	2747980	19.83	ng/ml	100
6)	#Heptachlor	0.020	15.86	1903	2184511	20.79	ng/ml	100
9)	#Endosulfan I	0.020	21.60	2592	2036897	19.19	ng/ml	100
10)	#Dieldrin	0.040	23.03	2764	3644779	38.64	ng/ml	100
12)	#Endrin	0.040	24.83	2979	3375962	38.62	ng/ml	100
14)	#4,4'-DDD	0.040	25.63	3075	2270874	36.78	ng/ml	100
16)	#4,4'-DDT	0.040	27.20	3264	2549218	37.53	ng/ml	100
17)	#Methoxychlor	0.200	32.45	3894	7603741	191.12	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.67	5000	4279782	37.02	ng/ml	100

Compound uses ESTD

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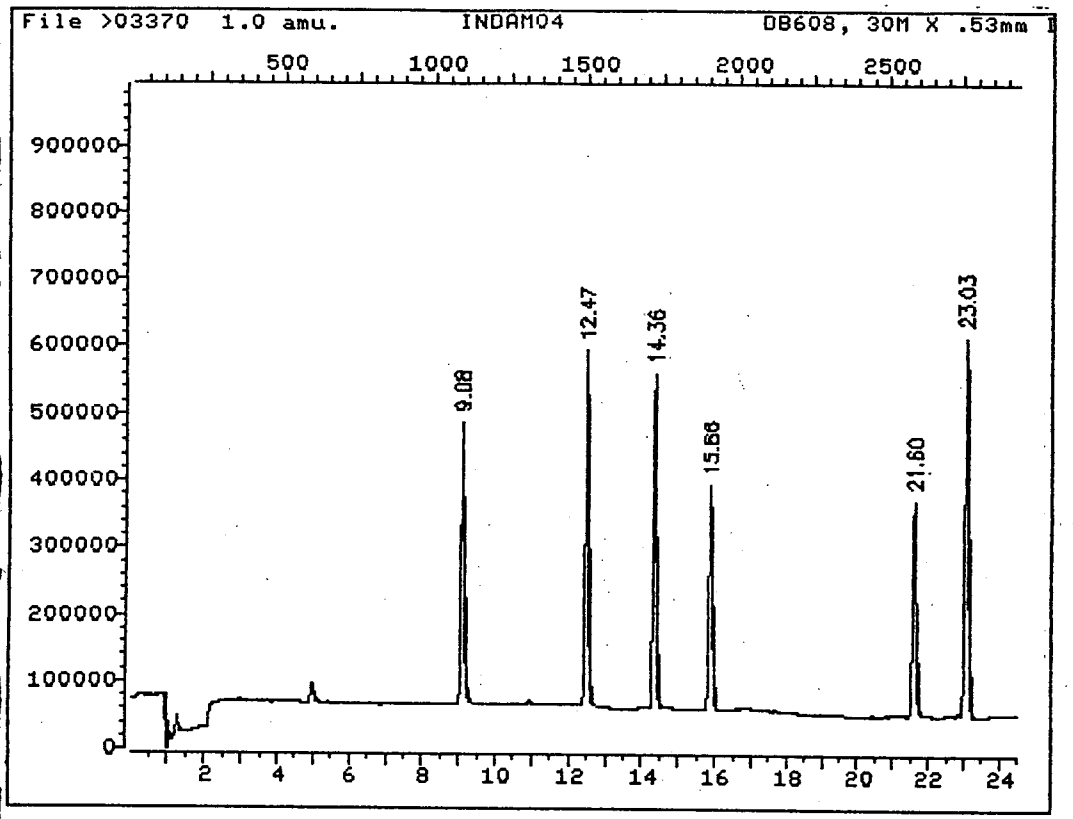

Data File: >03370::F3 Quant Output File: ^03370::GQ
Name: INDAM04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 11:40
Injected at: 960716 10:31

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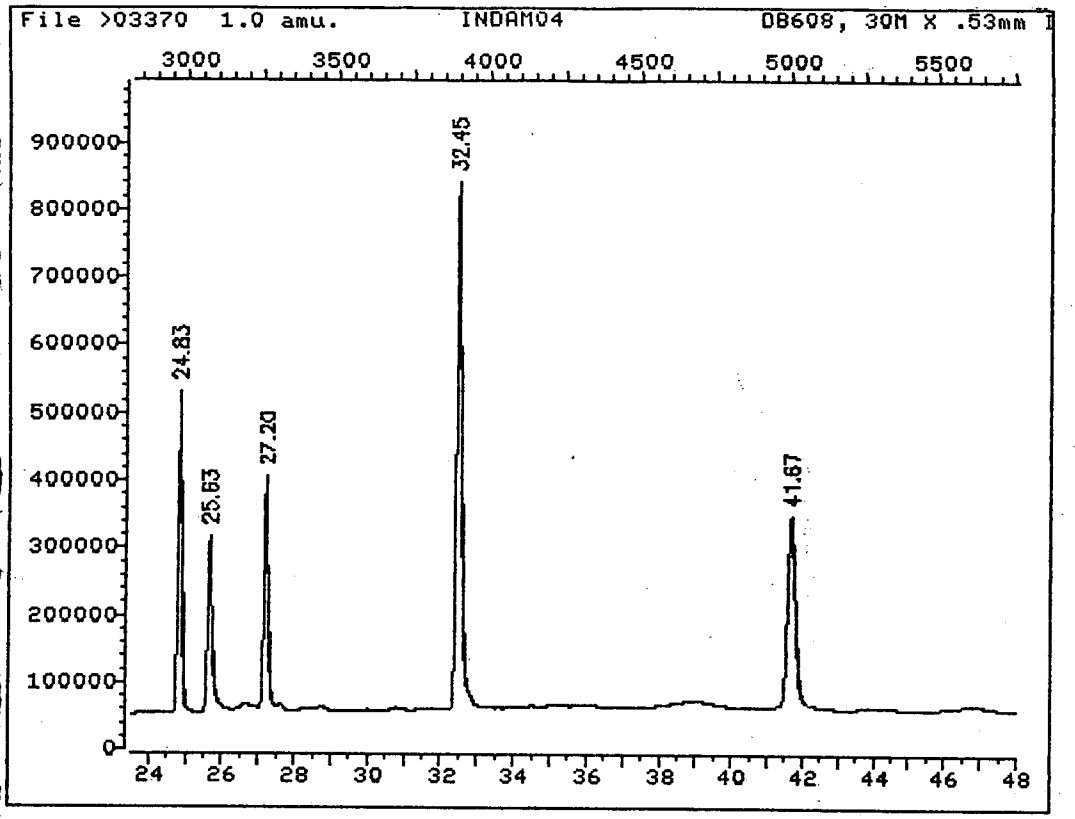

Data File: >03370::F3 Quant Output File: ^03370::GQ
Name: INDAM04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 11:40
Injected at: 960716 10:31

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 11:45
Output File: ^04370::GQ Injected at: 960716 10:31
Data File: >04370::G1 Dilution Factor: 1.00000
Name: INDAM04A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	NG INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	824731	20.16	ng/ml	100
2)	#alpha-BHC	0.020	13.43	1612	651014	20.00	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	15.27	1832	684208	20.12	ng/ml	100
6)	#Heptachlor	0.020	16.31	1957	939921	20.09	ng/ml	100
9)	#Endosulfan I	0.020	21.76	2611	680973	19.52	ng/ml	100
10)	#Dieldrin	0.040	23.41	2809	1239855	38.63	ng/ml	100
12)	#Endrin	0.040	24.37	2924	1143575	39.38	ng/ml	100
14)	#4,4'-DDD	0.040	26.54	3184	719269	37.42	ng/ml	100
16)	#4,4'-DDT	0.040	27.44	3292	579343	33.15	ng/ml	100
17)	#Methoxychlor	0.200	30.85	3702	2679638	200.19	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.71	4645	1773620	38.67	ng/ml	100

Compound uses ESTD

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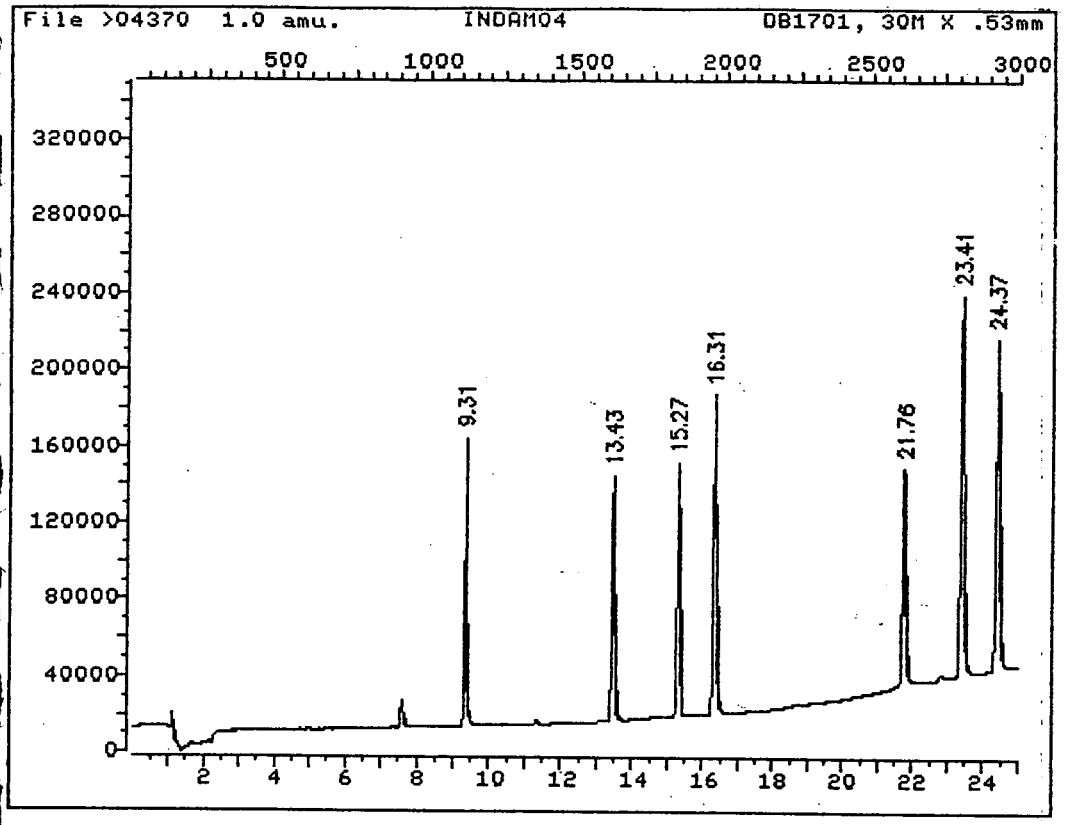

Data File: >04370::G1 Quant Output File: ^04370::GQ
Name: INDAM04 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 11:45
Injected at: 960716 10:31

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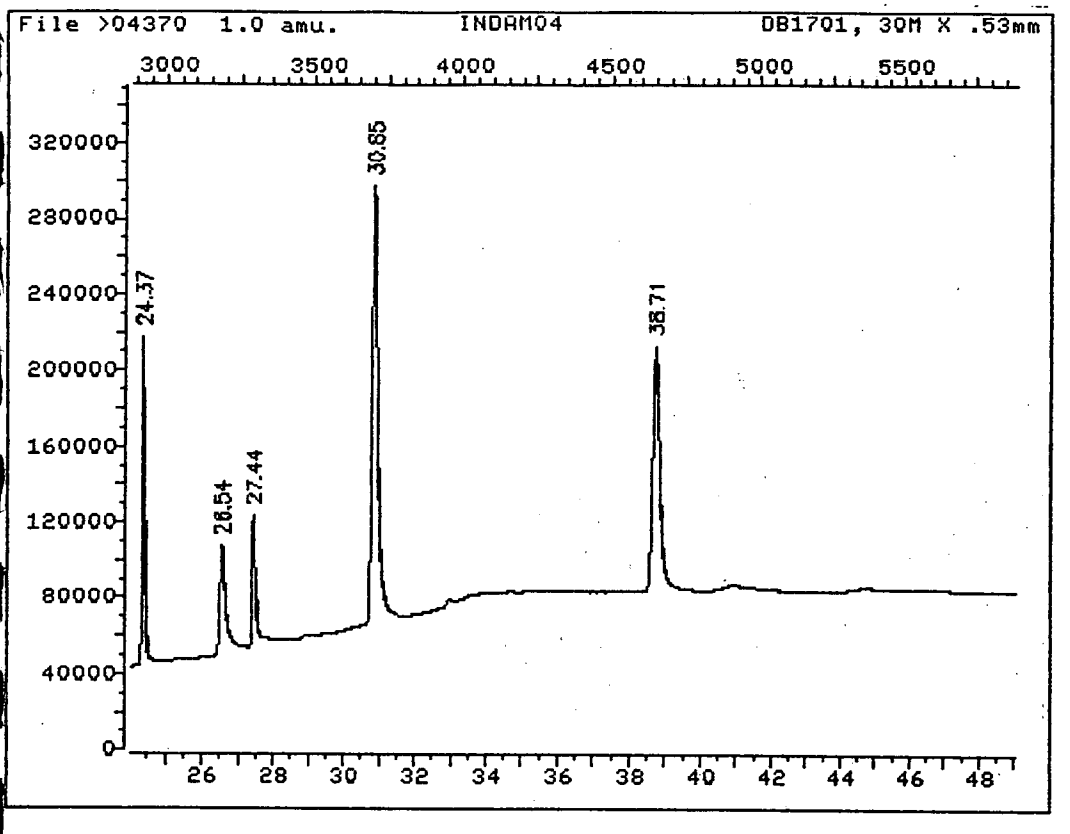

Data File: >04370::G1 Quant Output File: ^04370::GQ
Name: INDAM04 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 11:45
Injected at: 960716 10:31

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QUANT REPORT

Operator ID: TRFI2
Output File: ^03406::GQ
Data File: >03406::G2
Name: INDAM05A
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960717 19:40
Injected at: 960717 18:47
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1088	2477624	20.71	ng/ml	100
2)	#alpha-BHC	0.020	12.46	1495	3093638	20.76	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.35	1722	2830584	20.43	ng/ml	100
6)	#Heptachlor	0.020	15.84	1901	2586862	24.62	ng/ml	100
9)	#Endosulfan I	0.020	21.58	2590	2086277	19.66	ng/ml	100
10)	#Dieldrin	0.040	23.02	2762	3726461	39.50	ng/ml	100
12)	#Endrin	0.040	24.80	2976	3491039	39.94	ng/ml	100
14)	#4,4'-DDD	0.040	25.60	3072	2356437	38.16	ng/ml	100
16)	#4,4'-DDT	0.040	27.19	3262	2691326	39.62	ng/ml	100
17)	#Methoxychlor	0.200	32.43	3891	7844566	197.18	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.62	4994	4431235	38.33	ng/ml	100

Compound uses ESTD

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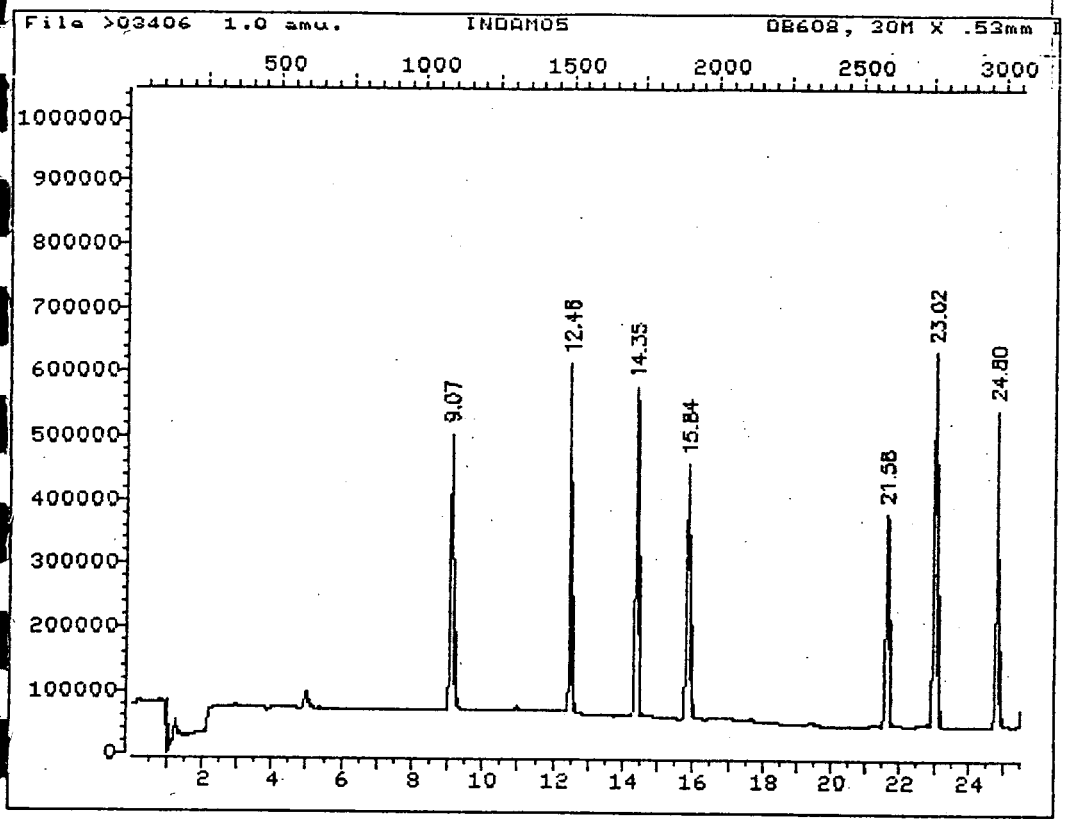

Data File: >03406::G2 Quant Output File: ^03406::GQ
Name: INDAM05 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 19:40
Injected at: 960717 18:47

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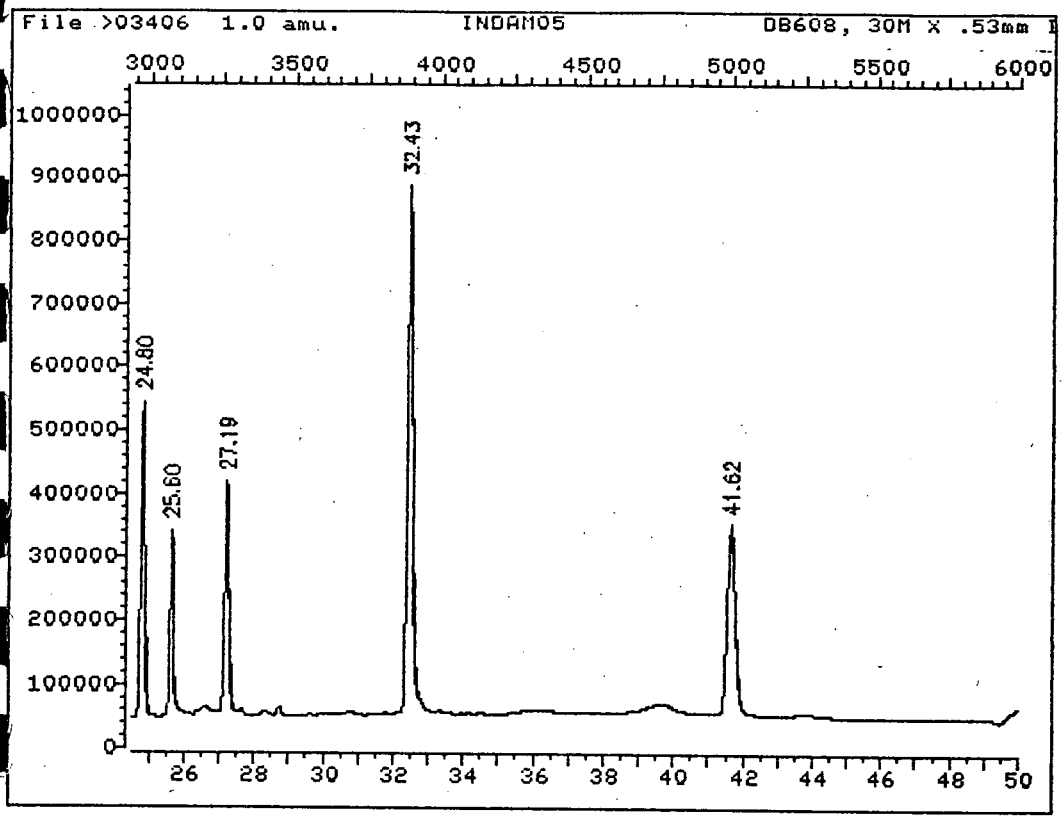

Data File: >03406::G2 Quant Output File: ^03406::GQ
Name: INDAM05 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 19:40
Injected at: 960717 18:47

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 19:37
Output File: ^04406::GQ Injected at: 960717 18:47
Data File: >04406::G4 Dilution Factor: 1.00000
Name: INDAM05A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	0.020	9.30	1116	834383	20.39	ng/ml	100
2) #alpha-BHC	0.020	13.42	1610	663882	20.40	ng/ml	100
5) #gamma-BHC (Lindane)	0.020	15.26	1831	694706	20.43	ng/ml	100
6) #Heptachlor	0.020	16.29	1955	959223	20.51	ng/ml	100
9) #Endosulfan I	0.020	21.74	2609	694508	19.90	ng/ml	100
10) #Dieldrin	0.040	23.38	2806	1266744	39.47	ng/ml	100
12) #Endrin	0.040	24.35	2922	1172431	40.38	ng/ml	100
14) #4,4'-DDD	0.040	26.51	3181	847607	44.10	ng/ml	100
16) #4,4'-DDT	0.040	27.41	3289	728379	41.68	ng/ml	100
17) #Methoxychlor	0.200	30.83	3699	2921570	218.26	ng/ml	100
19) #Decachlorobiphenyl	0.040	38.67	4640	1823567	39.76	ng/ml	100

Compound uses ESTD

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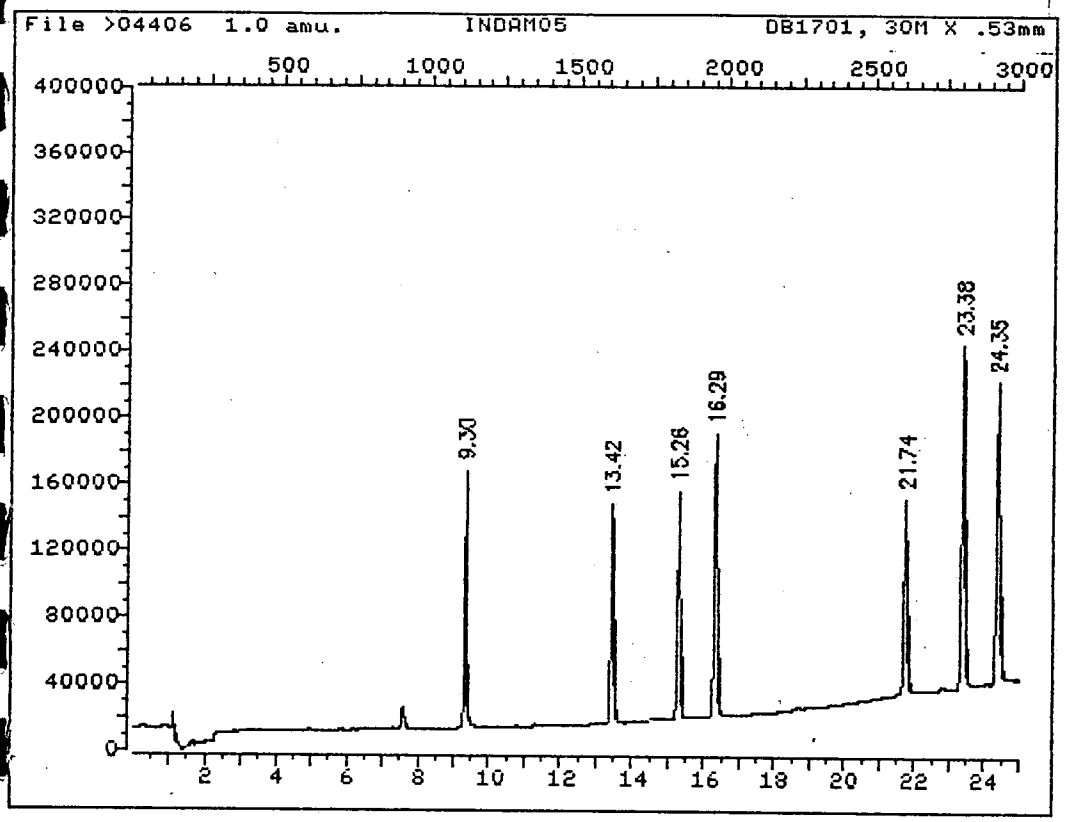

Data File: >04406::G4 Quant Output File: ^04406::GQ
Name: INDAM05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 19:37
Injected at: 960717 18:47

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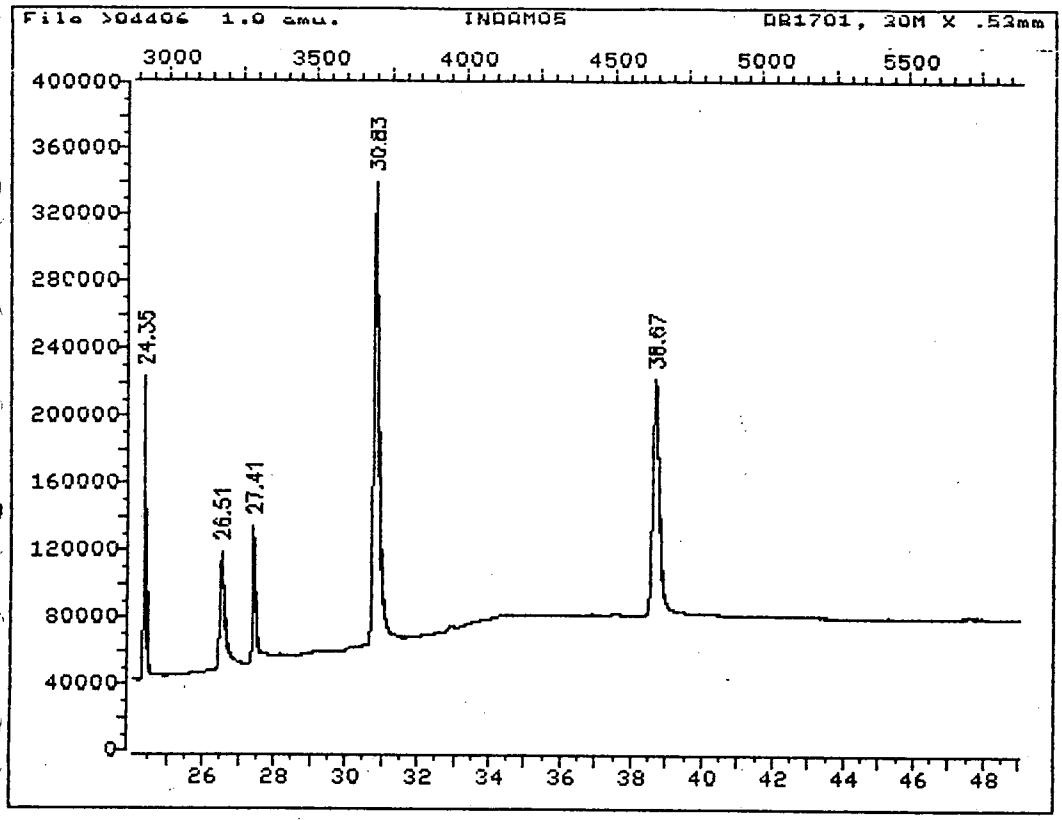

Data File: >04406::G4 Quant Output File: ^04406::GQ
Name: INDAM05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 19:37
Injected at: 960717 18:47

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960705 17:33
Output File: ^03115::F3 Injected at: 960702 16:21
Data File: >03115::G3 Dilution Factor: 1.00000
Name: INDBM02 Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903, 1ul INJ

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

	Compound	NG INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2531187	20.23	ng/ml	100
3)	#beta-BHC	0.020	14.78	1774	1661451	20.24	ng/ml	100
4)	#delta-BHC	0.020	16.48	1978	2492796	20.62	ng/ml	100
7)	#Aldrin	0.020	17.36	2083	2706130	20.08	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.02	2402	2229290	20.30	ng/ml	100
11)	#4,4'-DDE	0.040	22.82	2738	3730677	40.78	ng/ml	100
13)	#Endosulfan II	0.040	25.80	3096	3908488	40.58	ng/ml	100
17)	#Endosulfan Sulfate	0.040	28.31	3397	3518779	39.70	ng/ml	100
18)	#Endrin ketone	0.040	32.76	3931	3617444	40.18	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.67	5000	4871240	40.70	ng/ml	100
20)	#alpha-Chlordane	0.020	21.52	2582	2775921	20.21	ng/ml	100
21)	#gamma-Chlordane	0.020	20.77	2492	2405146	20.41	ng/ml	100
30)	#Endrin aldehyde	0.040	27.60	3312	3187233	40.41	ng/ml	100

Compound uses ESTD

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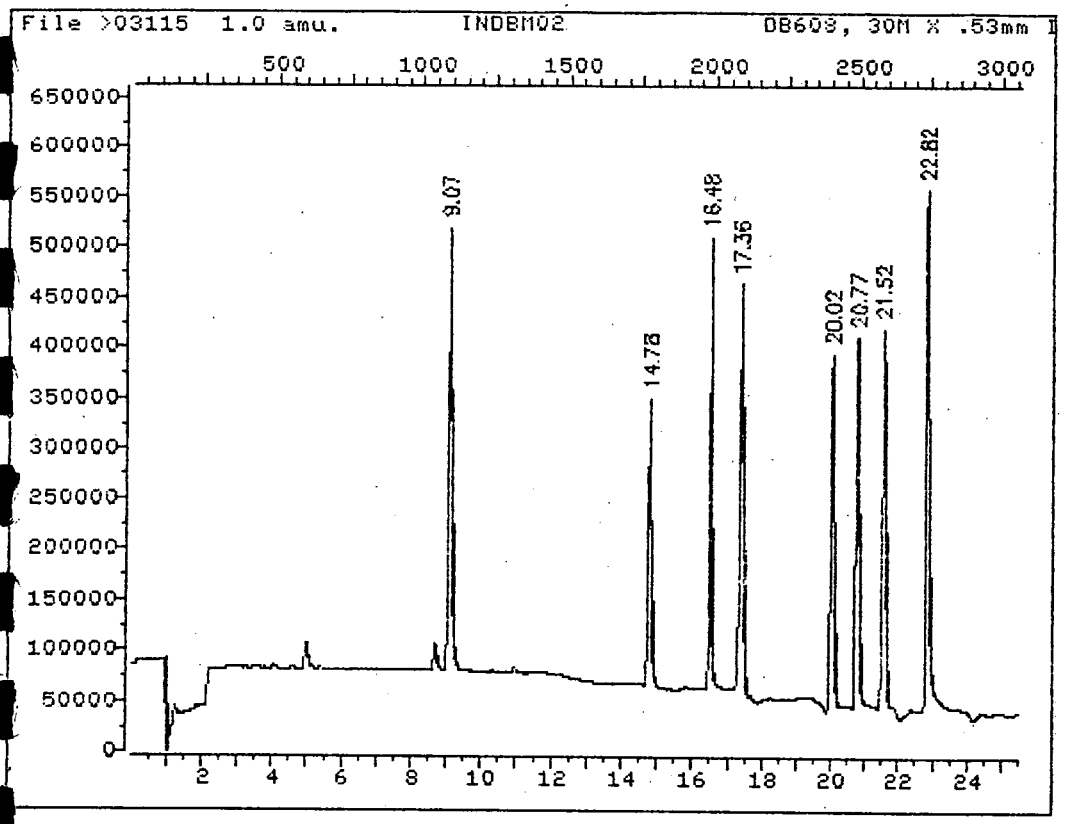

Data File: >03115::G3 Quant Output File: ^03115::F3
Name: INDBM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960705 17:33
Injected at: 960702 16:21

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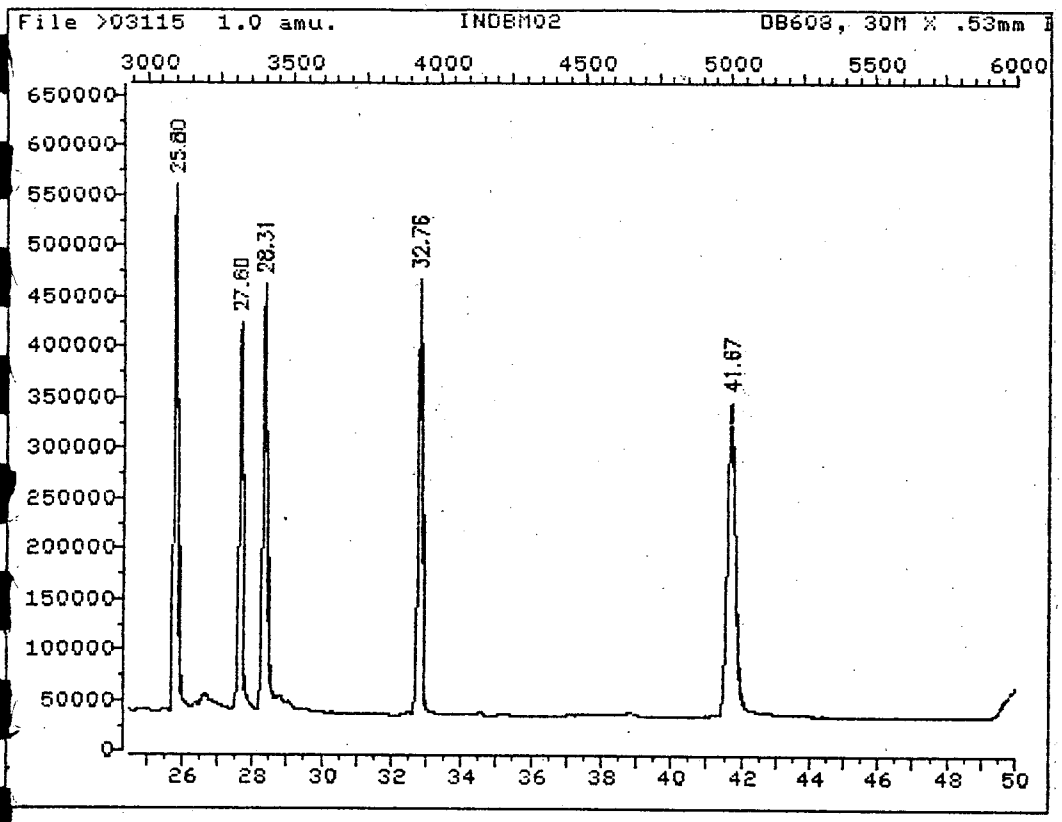

Data File: >03115::G3 Quant Output File: ^03115::F3
Name: INDBM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960705 17:33
Injected at: 960702 16:21

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QUANT REPORT

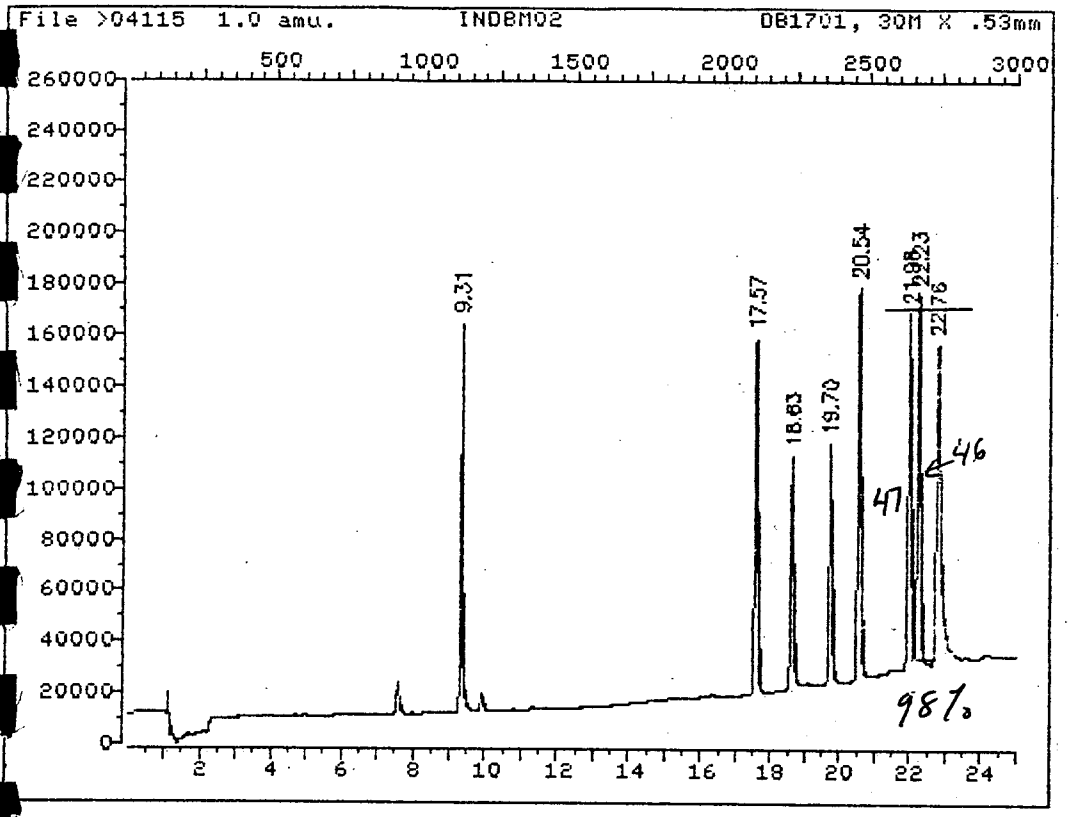
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960705 18:31
Output File: ^04115::F3 Injected at: 960702 16:21
Data File: >04115::G5 Dilution Factor: 1.00000
Name: INDBM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	NG INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	844037	20.38	ng/ml	100
3)	#beta-BHC	0.020	18.63	2235	539335	20.53	ng/ml	100
4)	#delta-BHC	0.020	19.70	2364	489729	20.09	ng/ml	100
7)	#Aldrin	0.020	17.57	2108	772369	20.51	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.54	2465	889361	20.37	ng/ml	100
11)	#4,4'-DDE	0.040	22.76	2731	1141767	41.13	ng/ml	100
13)	#Endosulfan II	0.040	26.74	3209	1447572	40.45	ng/ml	100
15)	#Endosulfan Sulfate	0.040	30.59	3671	1060179	40.07	ng/ml	100
18)	#Endrin ketone	0.040	32.93	3951	1125158	39.96	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.71	4645	1898405	40.65	ng/ml	100
20)	#alpha-Chlordane	0.020	22.23	2668	827777	19.85	ng/ml	100
21)	#gamma-Chlordane	0.020	21.98	2638	806445	20.18	ng/ml	100
30)	#Endrin aldehyde	0.040	28.86	3463	1232530	40.56	ng/ml	100

Compound uses ESTD

7/16/96



Data File: >04115::G5 Quant Output File: ^04115::F3
Name: INDBM02 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: TRFI2
Quant Time : 960705 18:31
Injected at: 960702 16:21

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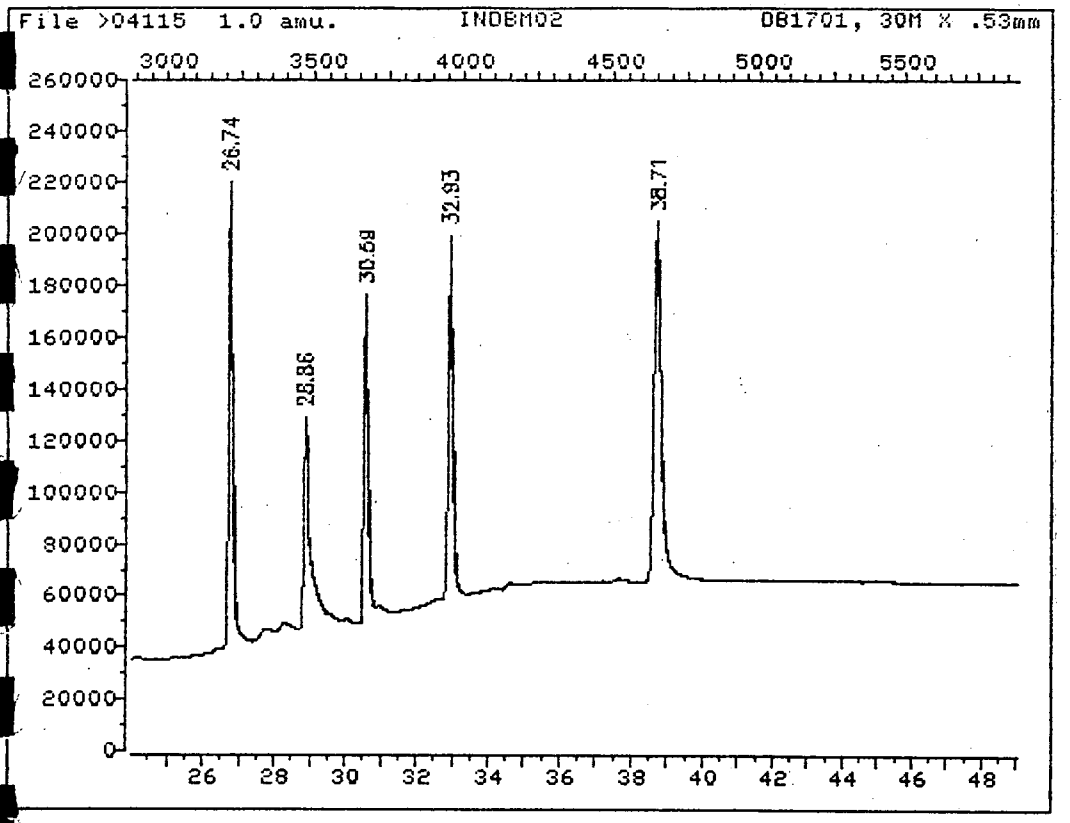

Data File: >04115::G5 Quant Output File: ^04115::F3
Name: INDBM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960705 18:31
Injected at: 960702 16:21

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03136::F3
Data File: >03136::G3
Name: INDBM03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960705 18:03
Injected at: 960703 14:00
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	NG_INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2650222	21.18	ng/ml	100
3)	#beta-BHC	0.020	14.80	1776	1679490	20.46	ng/ml	100
4)	#delta-BHC	0.020	16.50	1980	2617681	21.65	ng/ml	100
7)	#Aldrin	0.020	17.38	2085	2767200	20.54	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.03	2404	2283244	20.79	ng/ml	100
11)	#4,4'-DDE	0.040	22.83	2740	4050605	44.28	ng/ml	100
13)	#Endosulfan II	0.040	25.82	3098	3953991	41.05	ng/ml	100
14)	#Endosulfan Sulfate	0.040	28.34	3400	3579377	40.38	ng/ml	100
18)	#Endrin ketone	0.040	32.79	3934	3729775	41.43	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.70	5004	4737206	39.58	ng/ml	100
20)	#alpha-Chlordane	0.020	21.53	2584	2768428	20.16	ng/ml	100
21)	#gamma-Chlordane	0.020	20.78	2494	2438516	20.69	ng/ml	100
30)	#Endrin aldehyde	0.040	27.63	3315	3217129	40.79	ng/ml	100

Compound uses ESTD

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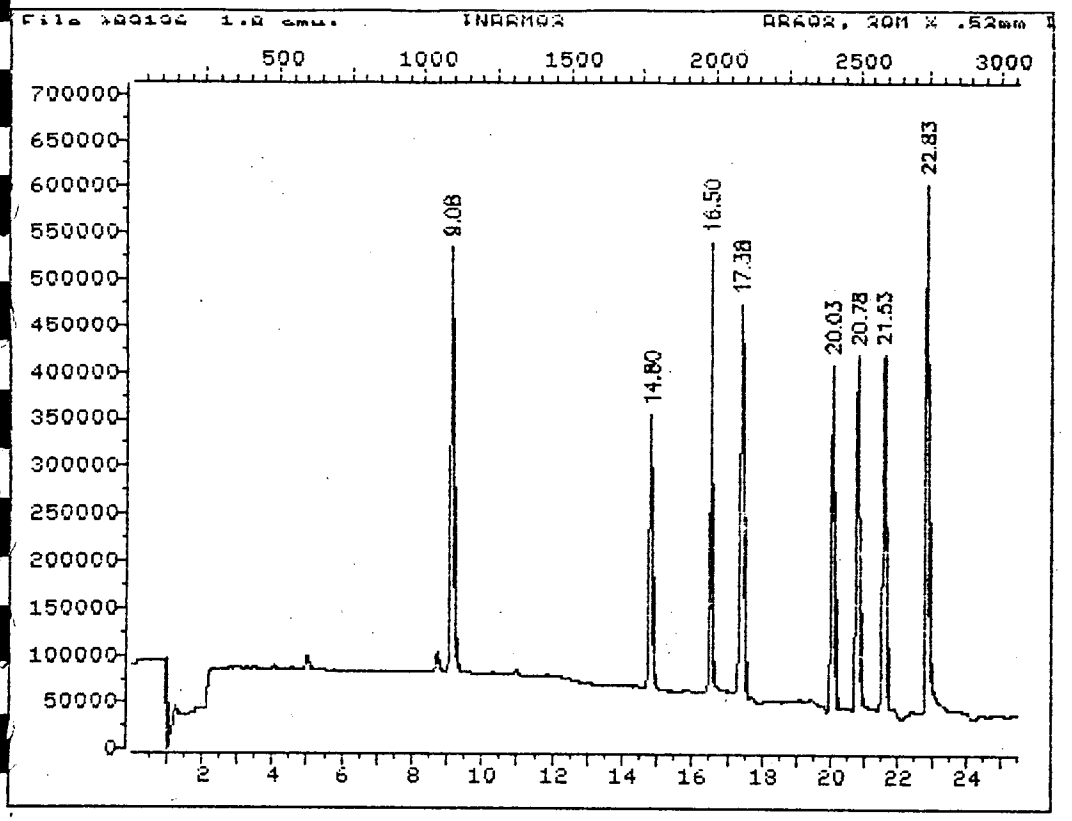

Data File: >03136::G3 Quant Output File: ^03136::F3
Name: INDBM03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 18:03
Injected at: 960703 14:00

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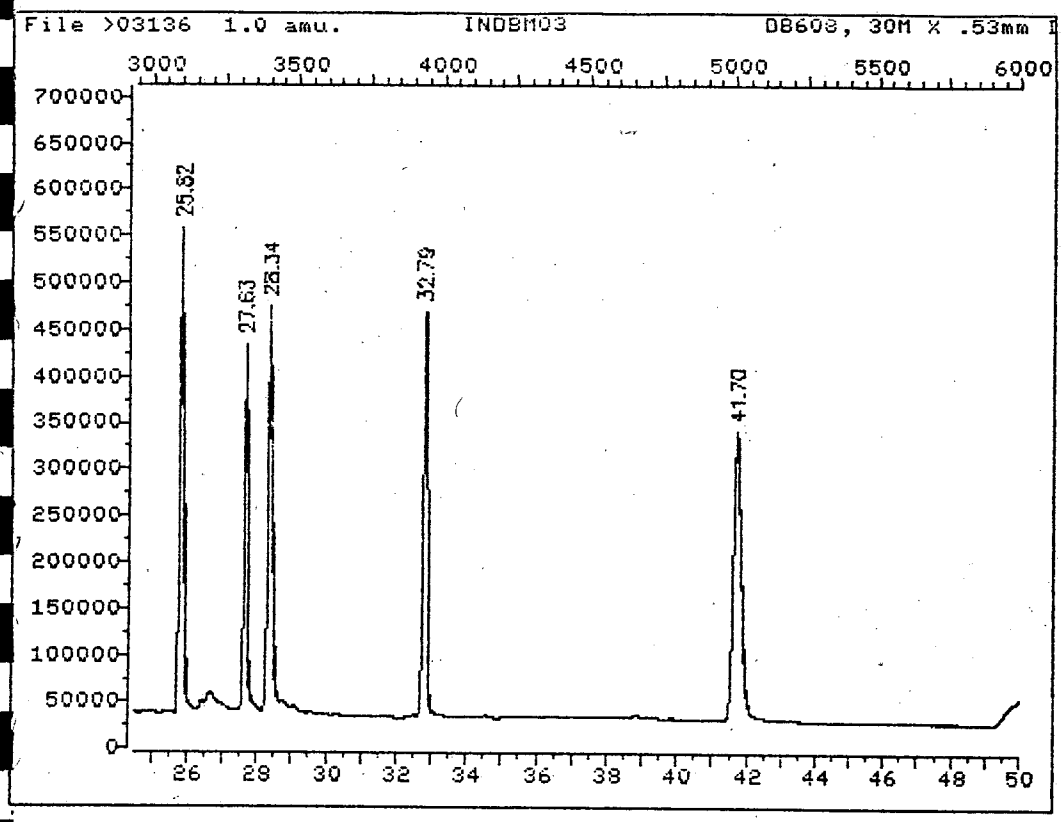

Data File: >03136::G3 Quant Output File: ^03136::F3
Name: INDBM03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 18:03
Injected at: 960703 14:00

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04136::F3
Data File: >04136::G5
Name: INDBM03
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

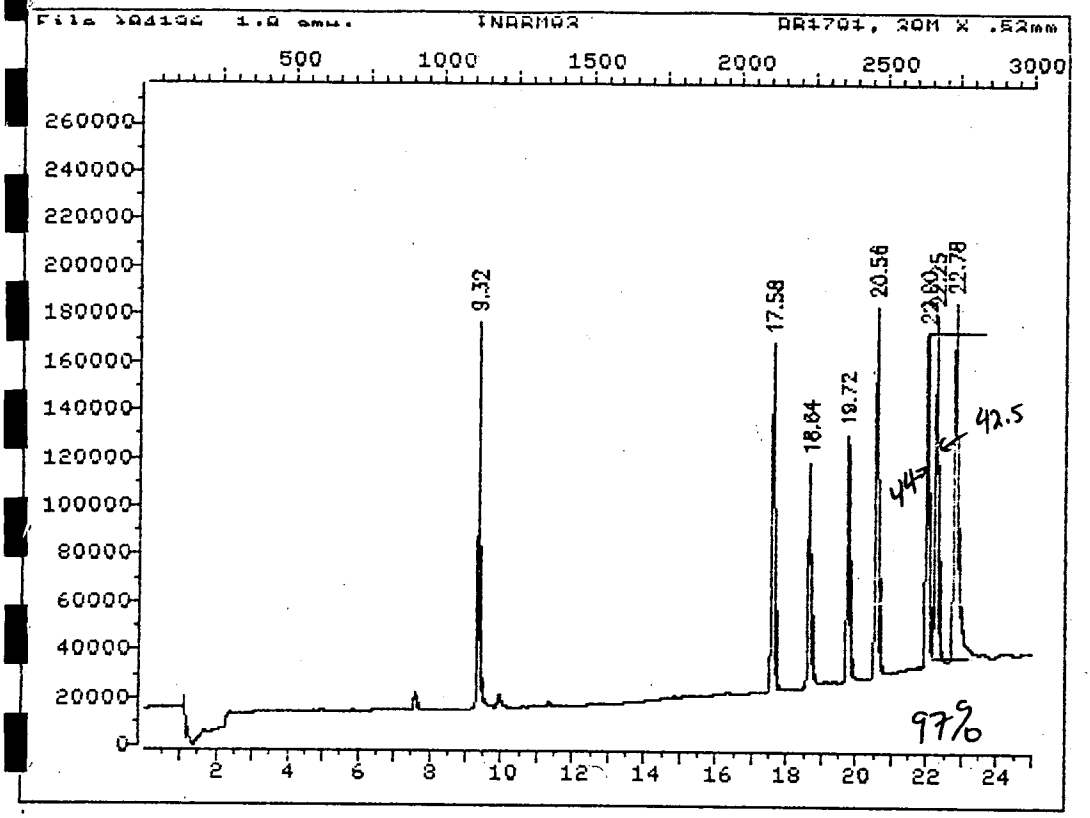
Quant Rev: 7
Quant Time: 960708 12:35
Injected at: 960703 13:59
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	NG INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	892715	21.56	ng/ml	100
3)	#beta-BHC	0.020	18.64	2237	510383	19.42	ng/ml	100
4)	#delta-BHC	0.020	19.72	2366	533337	21.88	ng/ml	100
7)	#Aldrin	0.020	17.58	2110	804542	21.36	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.56	2467	898167	20.57	ng/ml	100
11)	#4,4'-DDE	0.040	22.78	2733	1303244	46.95	ng/ml	100
13)	#Endosulfan II	0.040	26.76	3211	1462462	40.86	ng/ml	100
16)	#Endosulfan Sulfate	0.040	30.62	3674	1078287	40.76	ng/ml	100
18)	#Endrin ketone	0.040	32.96	3955	1173268	41.67	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.73	4648	1883193	40.33	ng/ml	100
20)	#alpha-Chlordane	0.020	22.25	2670	831636	19.94	ng/ml	100
21)	#gamma-Chlordane	0.020	22.00	2640	813210	20.35	ng/ml	100
30)	#Endrin aldehyde	0.040	28.89	3466	1265615	41.65	ng/ml	100

Compound uses ESTD

7/10/96



Data File: >04136::G5 Quant Output File: ^04136::F3
Name: INDBM03 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 12:35
Injected at: 960703 13:59

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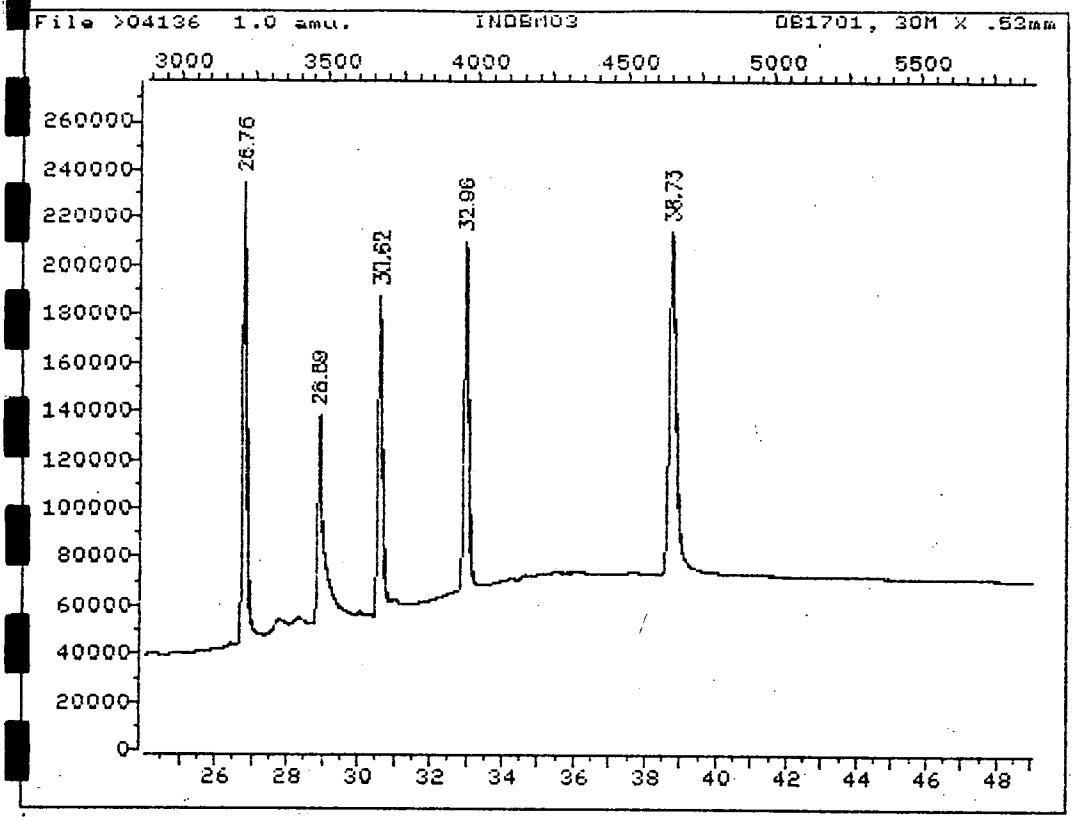

Data File: >04136::G5 Quant Output File: ^04136::F3
Name: INDBM03 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 12:35
Injected at: 960703 13:59

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QUANT REPORT

Operator ID: TRFIL
Output File: ^03160::F3
Data File: >03160::G3
Name: INDBM04
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 23:58
Injected at: 960706 23:05
Dilution Factor: 1.00000
Instrument ID: GC03

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

Last Qual Time: 960702 00:13

Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	0.020	9.07	1089	2542730	20.32	ng/ml	100
3) #beta-BHC	0.020	14.78	1774	1561352	19.02	ng/ml	100
4) #delta-BHC	0.020	16.48	1978	2228558	18.44	ng/ml	100
7) #Aldrin	0.020	17.36	2083	2517356	18.68	ng/ml	100
8) #Heptachlor epoxide	0.020	20.02	2402	2226326	20.27	ng/ml	100
11) #4,4'-DDE	0.040	22.83	2739	3412058	37.30	ng/ml	100
13) #Endosulfan II	0.040	25.80	3096	3576900	37.14	ng/ml	100
15) #Endosulfan Sulfate	0.040	28.31	3397	3144994	35.48	ng/ml	100
18) #Endrin ketone	0.040	32.77	3932	3256726	36.17	ng/ml	100
19) #Decachlorobiphenyl	0.040	41.68	5001	4572507	38.20	ng/ml	100
20) #alpha-Chlordane	0.020	21.52	2582	2197815	16.00	ng/ml	100
21) #gamma-Chlordane	0.020	20.78	2493	2225946	18.89	ng/ml	100
30) #Endrin aldehyde	0.040	27.61	3313	2813802	35.67	ng/ml	100

Compound uses ESTD

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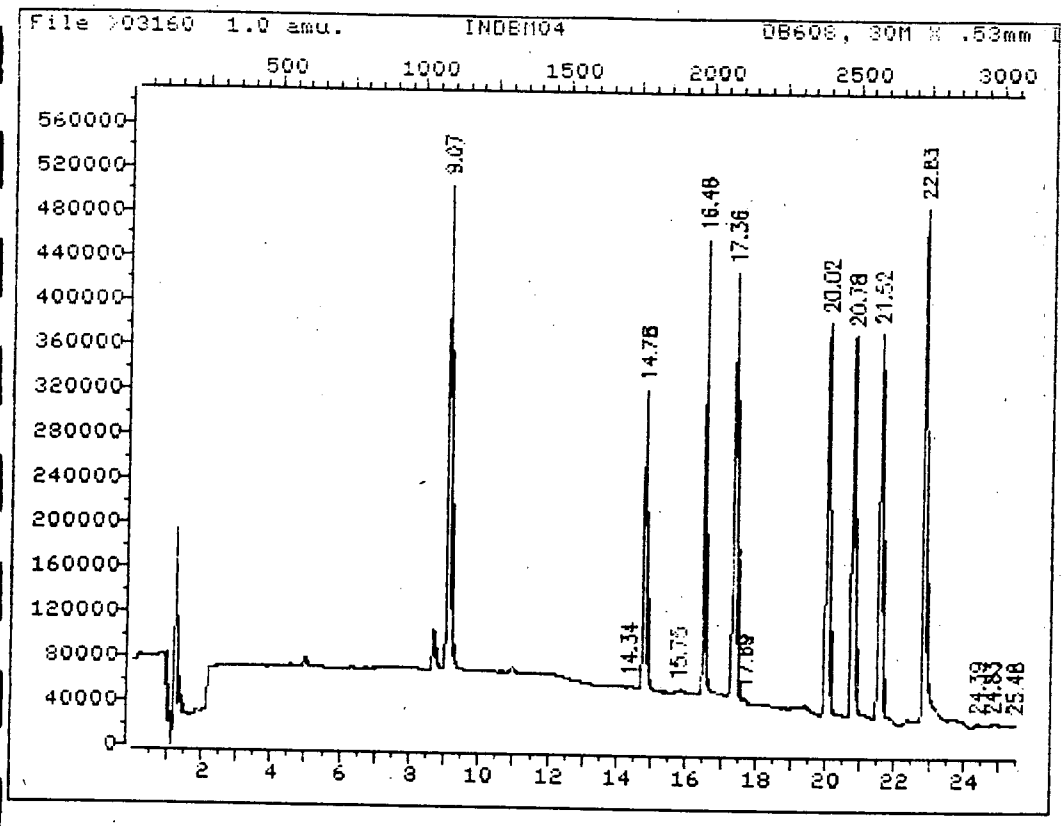

Data File: >03160::G3
Name: INDBM04
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Output File: ^03160::F3
Instrument ID: GC03

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 23:58
Injected at: 960706 23:05

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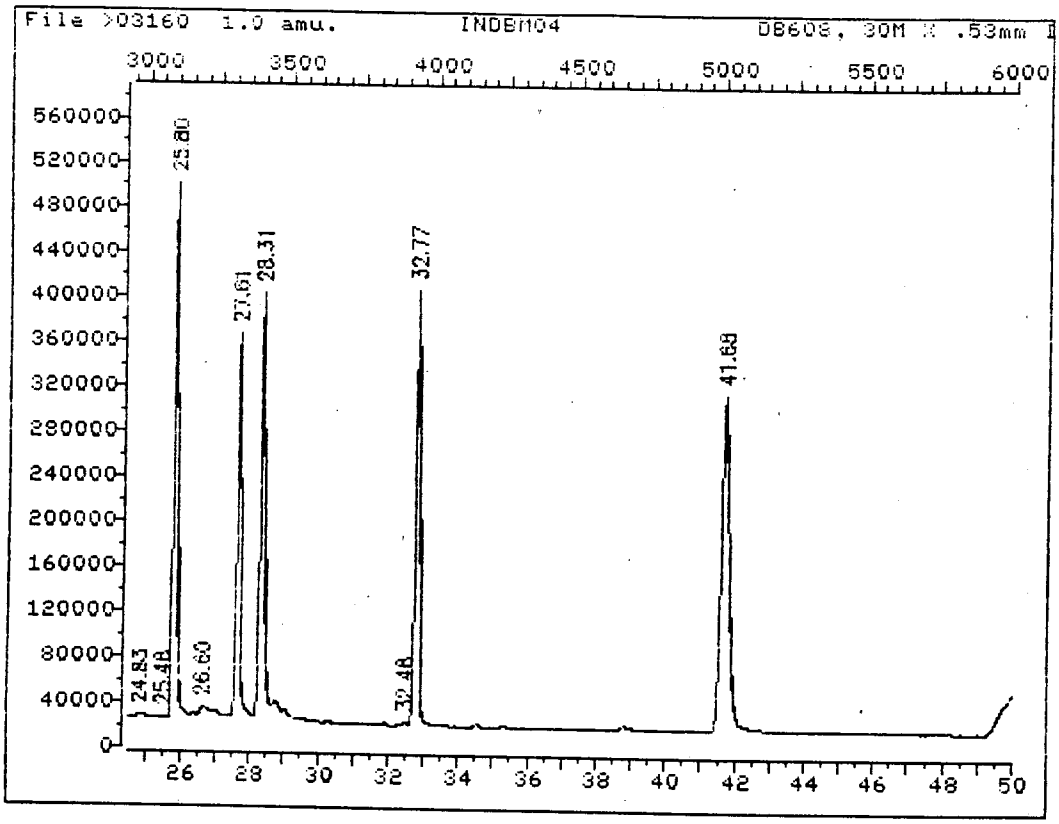

Data File: >03160::G3 Quant Output File: ^03160::F3
Name: INDBM04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 23:58
Injected at: 960706 23:05

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QUANT REPORT

Operator ID: TRFIL
Output File: ^04160::F3
Data File: >04160::G5
Name: INDBM04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

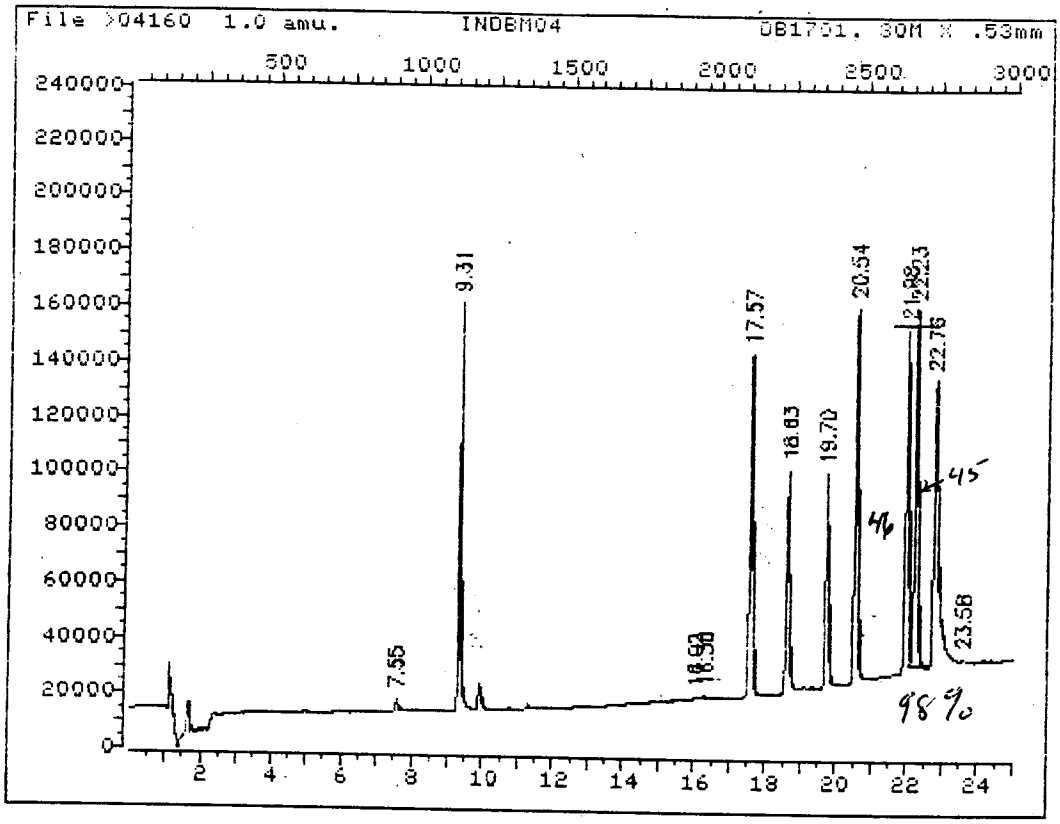
Quant Rev: 7
Quant Time: 960706 23:56
Injected at: 960706 23:05
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	819207	19.78	ng/ml	100
3)	#beta-BHC	0.020	18.63	2235	476108	18.12	ng/ml	100
4)	#delta-BHC	0.020	19.70	2364	416141	17.07	ng/ml	100
7)	#Aldrin	0.020	17.57	2108	695065	18.46	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.54	2465	813548	18.63	ng/ml	100
11)	#4,4'-DDE	0.040	22.76	2731	1008335	36.32	ng/ml	100
13)	#Endosulfan II	0.040	26.74	3209	1303259	36.41	ng/ml	100
15)	#Endosulfan Sulfate	0.040	30.59	3671	906525	34.26	ng/ml	100
18)	#Endrin ketone	0.040	32.94	3952	997049	35.41	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.72	4646	1796243	38.46	ng/ml	100
20)	#alpha-Chlordane	0.020	22.23	2668	751428	18.02	ng/ml	100
21)	#gamma-Chlordane	0.020	21.98	2638	735050	18.39	ng/ml	100
30)	#Endrin aldehyde	0.040	28.86	3463	1051228	34.60	ng/ml	100

Compound uses ESTD

EPma
7/9/96



Data File: >04160::G5
Name: INDBM04
Misc: DB1701. 30M X .53mm INST 58903. 1ul INJ

Quant Output File: ^04160::F3
Instrument ID: GC04

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 23:56
Injected at: 960706 23:05

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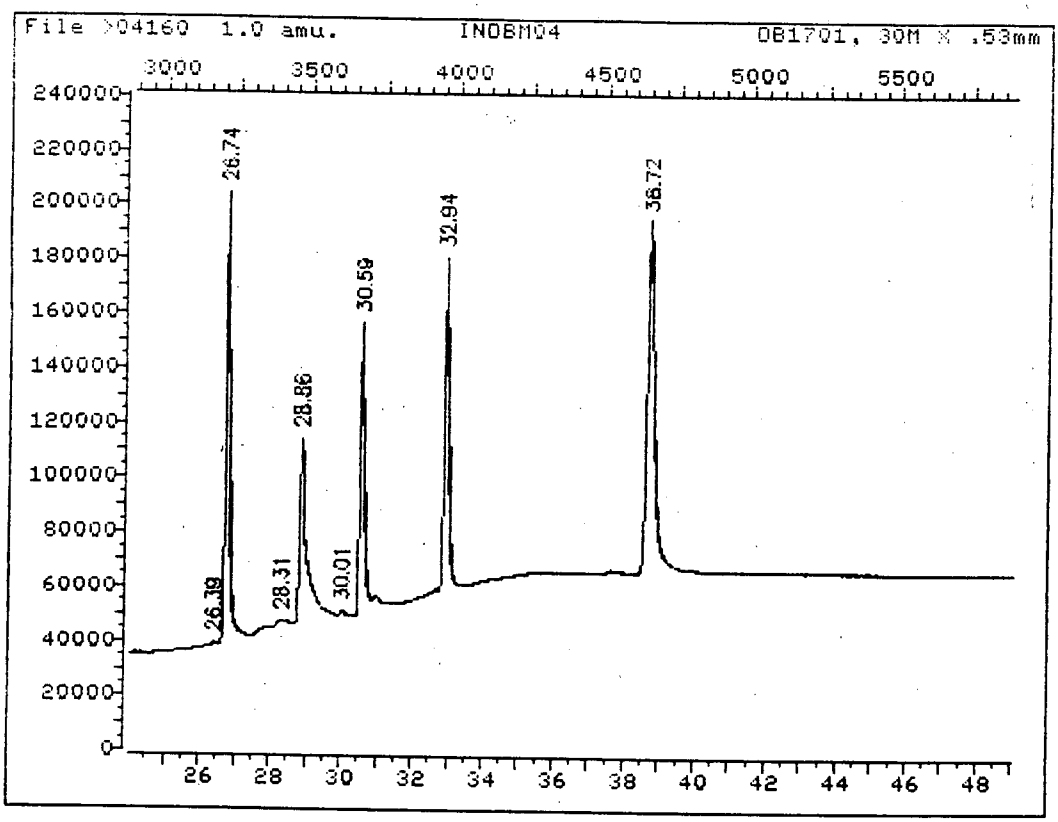

Data File: >04160::G5 Quant Output File: ^04160::F3
Name: INDBM04 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 23:56
Injected at: 960706 23:05

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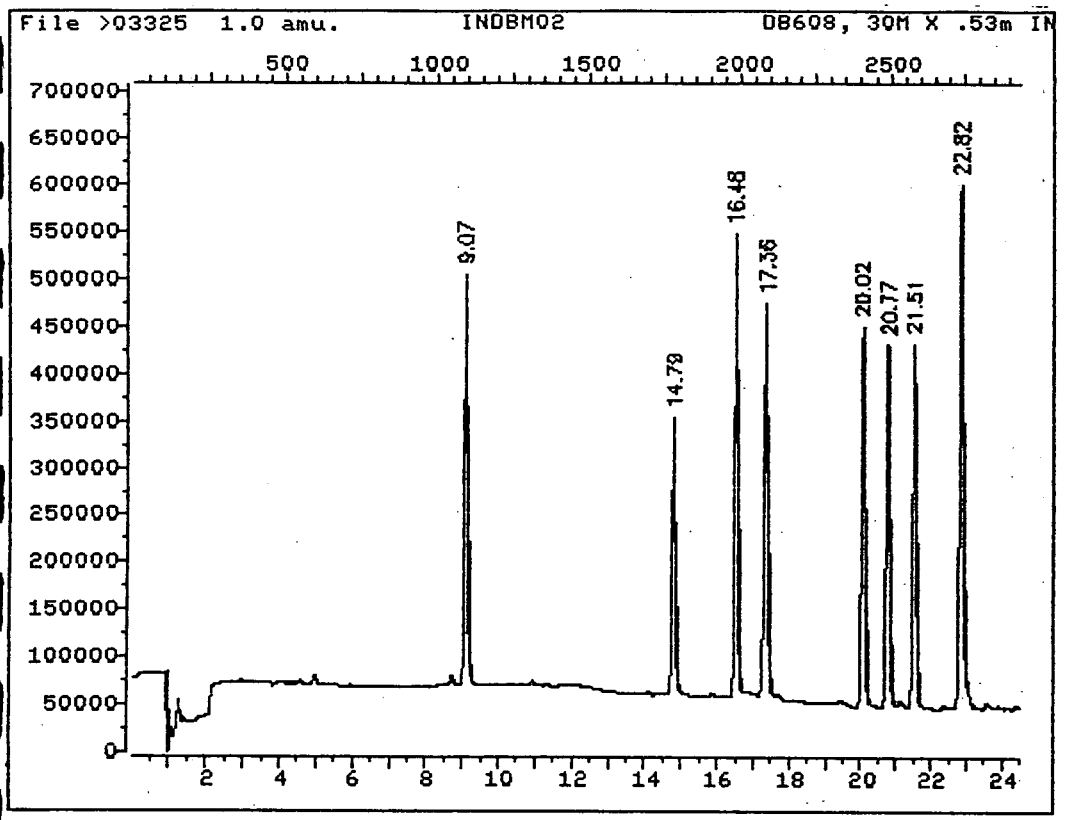
QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:06
Output File: ^03325::GQ Injected at: 960714 17:26
Data File: >03325::F3 Dilution Factor: 1.00000
Name: INDBM02A Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

	Compound	Ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2464595	20.60	ng/ml	100
3)	#beta-BHC	0.020	14.79	1775	1683493	20.58	ng/ml	100
4)	#delta-BHC	0.020	16.48	1978	2652382	20.62	ng/ml	100
7)	#Aldrin	0.020	17.36	2083	2730874	20.45	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.02	2402	2614593	20.94	ng/ml	100
11)	#4,4'-DDE	0.040	22.82	2738	3775033	40.88	ng/ml	100
13)	#Endosulfan II	0.040	25.80	3096	4022411	40.65	ng/ml	100
15)	#Endosulfan Sulfate	0.040	28.30	3396	3561149	40.50	ng/ml	100
18)	#Endrin ketone	0.040	32.76	3931	3788457	40.85	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.64	4997	4686272	40.53	ng/ml	100
20)	#alpha-Chlordane	0.020	21.51	2581	2457431	20.39	ng/ml	100
21)	#gamma-Chlordane	0.020	20.77	2492	2474659	20.47	ng/ml	100
20)	#Endrin aldehyde	0.040	27.60	3312	3232107	39.95	ng/ml	100

Compound uses ESTD



Data File: >03325::F3 Quant Output File: ^03325::GQ
Name: INDBM02 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 09:06
Injected at: 960714 17:26

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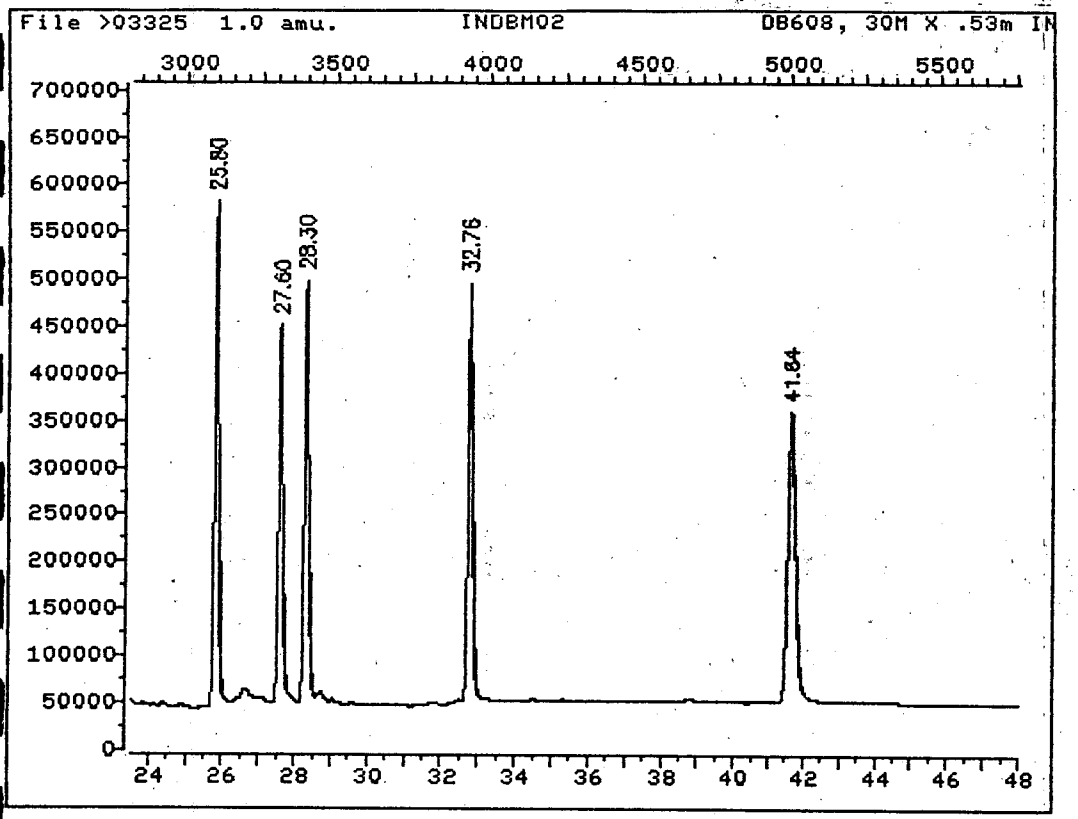

Data File: >03325::F3 Quant Output File: ^03325::GQ
Name: INDBM02 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 09:06
Injected at: 960714 17:26

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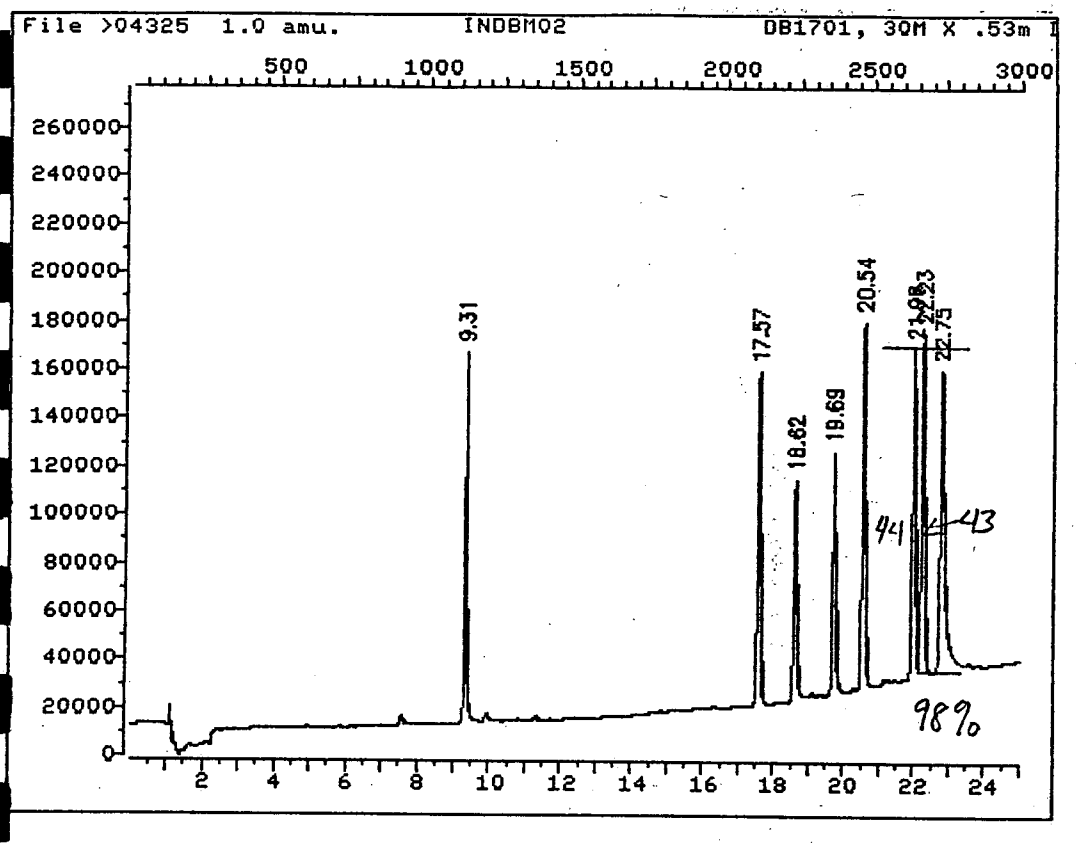
QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:33
Output File: ^04325::GQ Injected at: 960714 17:26
Data File: >04325::G1 Dilution Factor: 1.00000
Name: INDBM02A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

	Compound	Ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	844353	20.64	ng/ml	100
3)	#beta-BHC	0.020	18.62	2234	554235	22.09	ng/ml	100
4)	#delta-BHC	0.020	19.69	2363	539675	20.58	ng/ml	100
7)	#Aldrin	0.020	17.57	2108	768000	20.51	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.54	2465	864175	20.01	ng/ml	100
11)	#4,4'-DDE	0.040	22.75	2730	1160816	40.99	ng/ml	100
13)	#Endosulfan II	0.040	26.74	3208	1378100	40.25	ng/ml	100
15)	#Endosulfan Sulfate	0.040	30.59	3670	1074416	39.16	ng/ml	100
18)	#Endrin ketone	0.040	32.92	3950	1181483	37.25	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.69	4643	1838984	40.10	ng/ml	100
20)	#alpha-Chlordane	0.020	22.23	2668	835929	20.06	ng/ml	100
21)	#gamma-Chlordane	0.020	21.98	2638	803979	20.06	ng/ml	100
10)	#Endrin aldehyde	0.040	28.85	3462	1265409	39.36	ng/ml	100

Compound uses ESTD



Data File: >04325::G1 Quant Output File: ^04325::GQ
Name: INDBM02 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 09:33
Injected at: 960714 17:26

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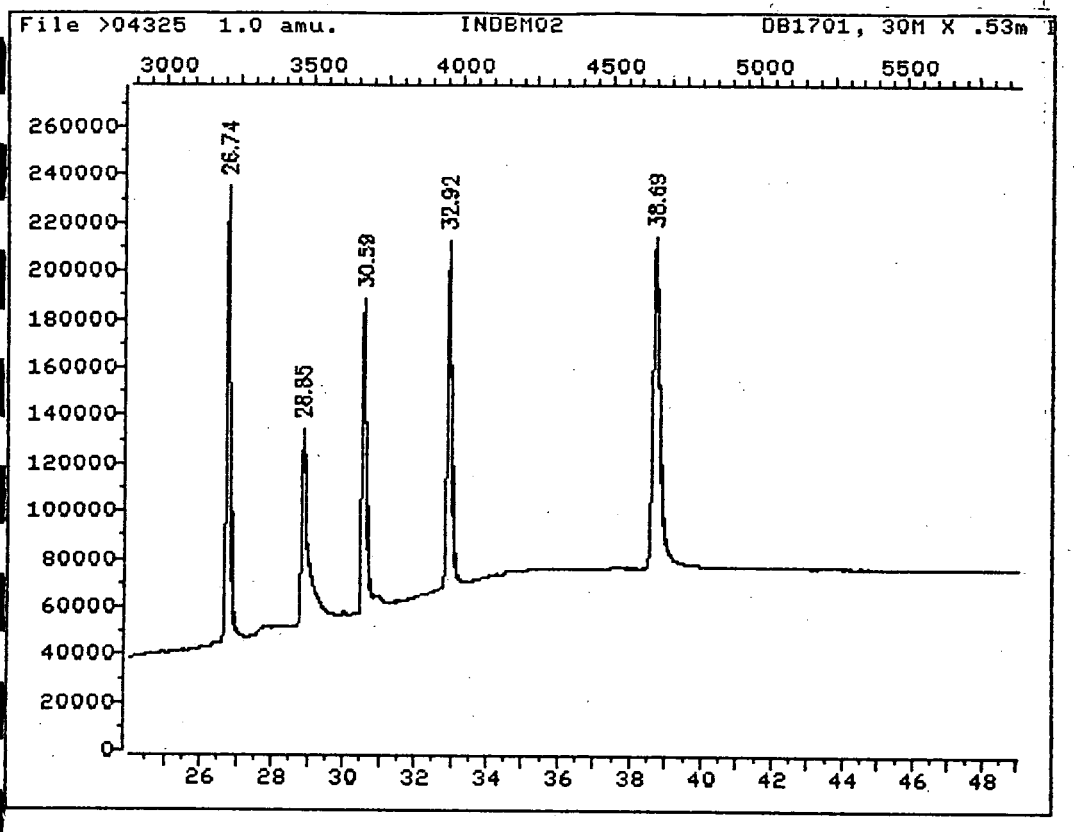

Data File: >04325::G1 Quant Output File: ^04325::GQ
Name: INDBM02 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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 09:33
Injected at: 960714 17:26

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QUANT REPORT

Operator ID: TRFI2
Output File: ^03348::GQ
Data File: >03348::F3
Name: INDBM03A
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

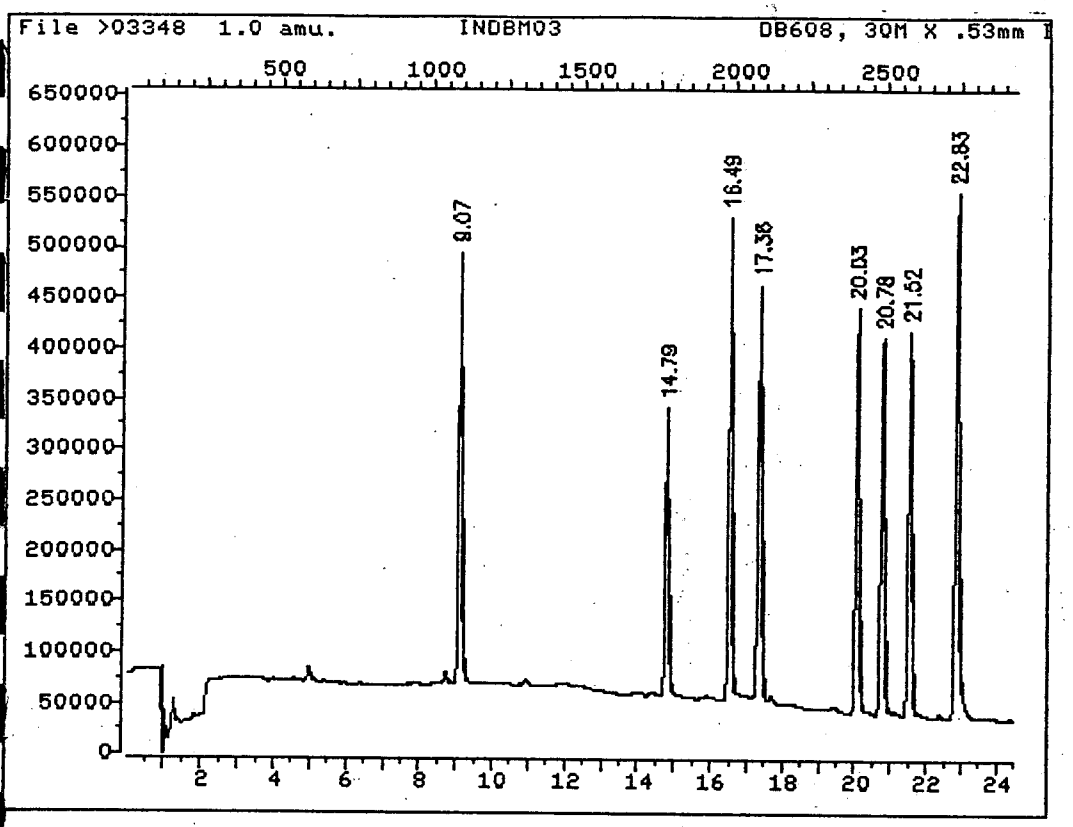
Quant Rev: 7
Quant Time: 960715 15:17
Injected at: 960715 14:26
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	Ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2438760	20.39	ng/ml	100
3)	#beta-BHC	0.020	14.79	1775	1657267	20.26	ng/ml	100
4)	#delta-BHC	0.020	16.49	1979	2635299	20.49	ng/ml	100
7)	#Aldrin	0.020	17.36	2083	2679640	20.07	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.03	2403	2581674	20.68	ng/ml	100
11)	#4,4'-DDE	0.040	22.83	2739	3622351	39.23	ng/ml	100
13)	#Endosulfan II	0.040	25.80	3096	3939136	39.81	ng/ml	100
15)	#Endosulfan Sulfate	0.040	28.31	3397	3501703	39.82	ng/ml	100
18)	#Endrin ketone	0.040	32.76	3931	3693397	39.83	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.67	5000	4657628	40.28	ng/ml	100
20)	#alpha-Chlordane	0.020	21.52	2582	2406535	19.97	ng/ml	100
21)	#gamma-Chlordane	0.020	20.78	2493	2414958	19.97	ng/ml	100
30)	#Endrin aldehyde	0.040	27.61	3313	3195381	39.50	ng/ml	100

Compound uses ESTD

7/21/96



Data File: >03348::F3 Quant Output File: ^03348::GQ
Name: INDBM03 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 15:17
Injected at: 960715 14:26

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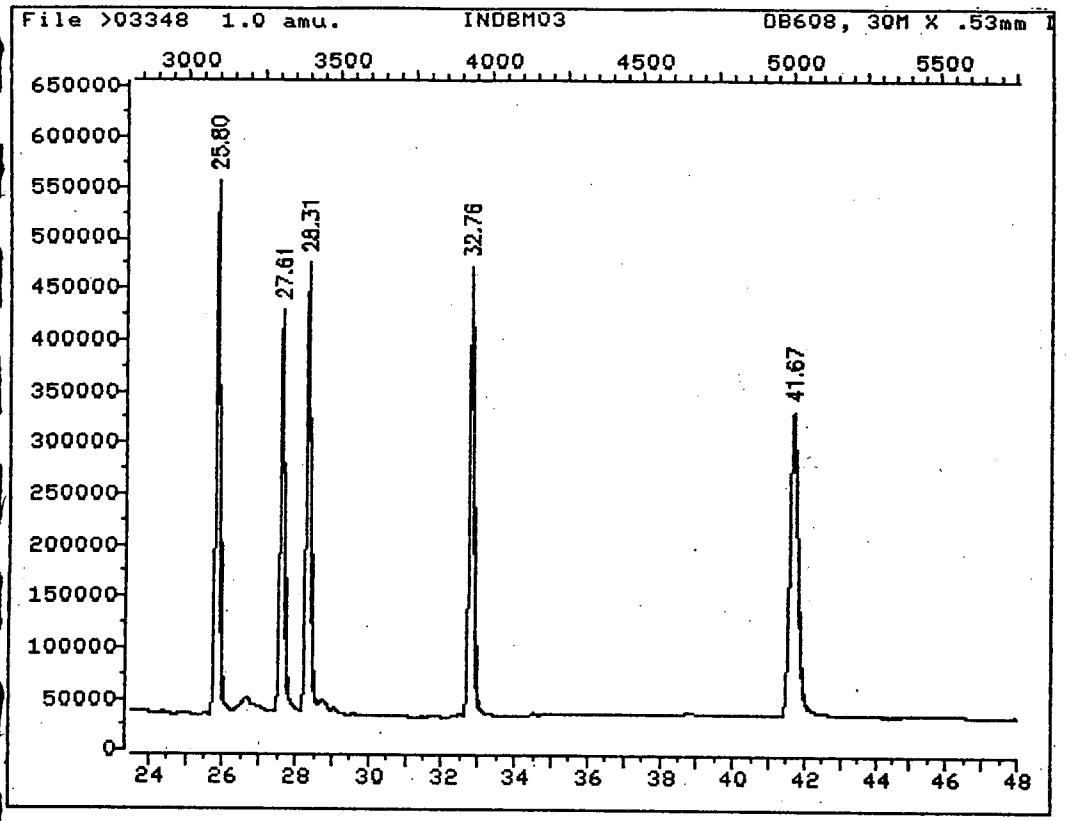

Data File: >03348::F3 Quant Output File: ^03348::GQ
Name: INDBM03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 15:17
Injected at: 960715 14:26

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QUANT REPORT

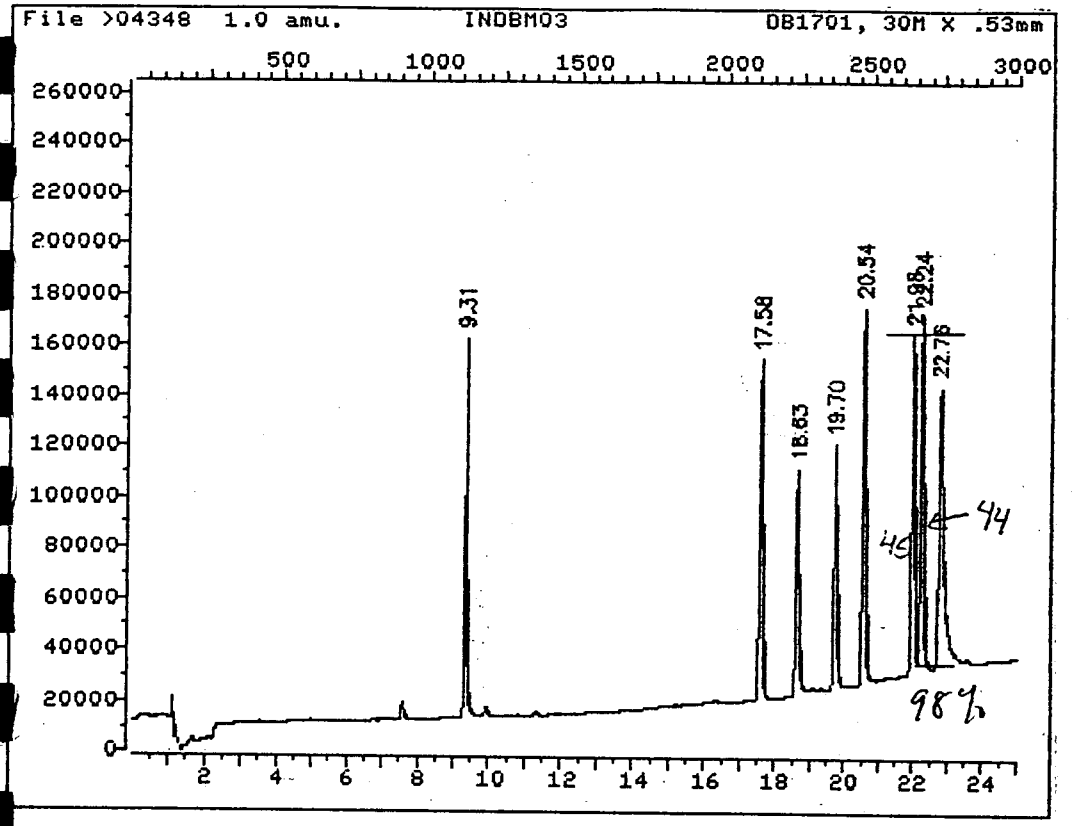
perator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 15:20
utput File: ^04348::GQ Injected at: 960715 14:26
Data File: >04348::G1 Dilution Factor: 1.00000
ame: INDBM03A Instrument ID: GC04
isc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	Ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	833360	20.37	ng/ml	100
3)	#beta-BHC	0.020	18.63	2235	511009	20.36	ng/ml	100
4)	#delta-BHC	0.020	19.70	2364	513169	19.57	ng/ml	100
7)	#Aldrin	0.020	17.58	2109	760185	20.30	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.54	2465	858982	19.89	ng/ml	100
11)	#4,4'-DDE	0.040	22.76	2731	1095551	38.69	ng/ml	100
13)	#Endosulfan II	0.040	26.74	3209	1360864	39.75	ng/ml	100
15)	#Endosulfan Sulfate	0.040	30.59	3671	1054726	38.44	ng/ml	100
18)	#Endrin ketone	0.040	32.93	3951	1255733	39.59	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.72	4646	1855410	40.46	ng/ml	100
20)	#alpha-Chlordane	0.020	22.24	2669	826985	19.85	ng/ml	100
21)	#gamma-Chlordane	0.020	21.98	2638	791722	19.76	ng/ml	100
30)	#Endrin aldehyde	0.040	28.86	3463	1245100	38.73	ng/ml	100

Compound uses ESTD

7/21/96



Data File: >04348::G1 Quant Output File: ^04348::GQ
Name: INDBM03 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 15:20
Injected at: 960715 14:26

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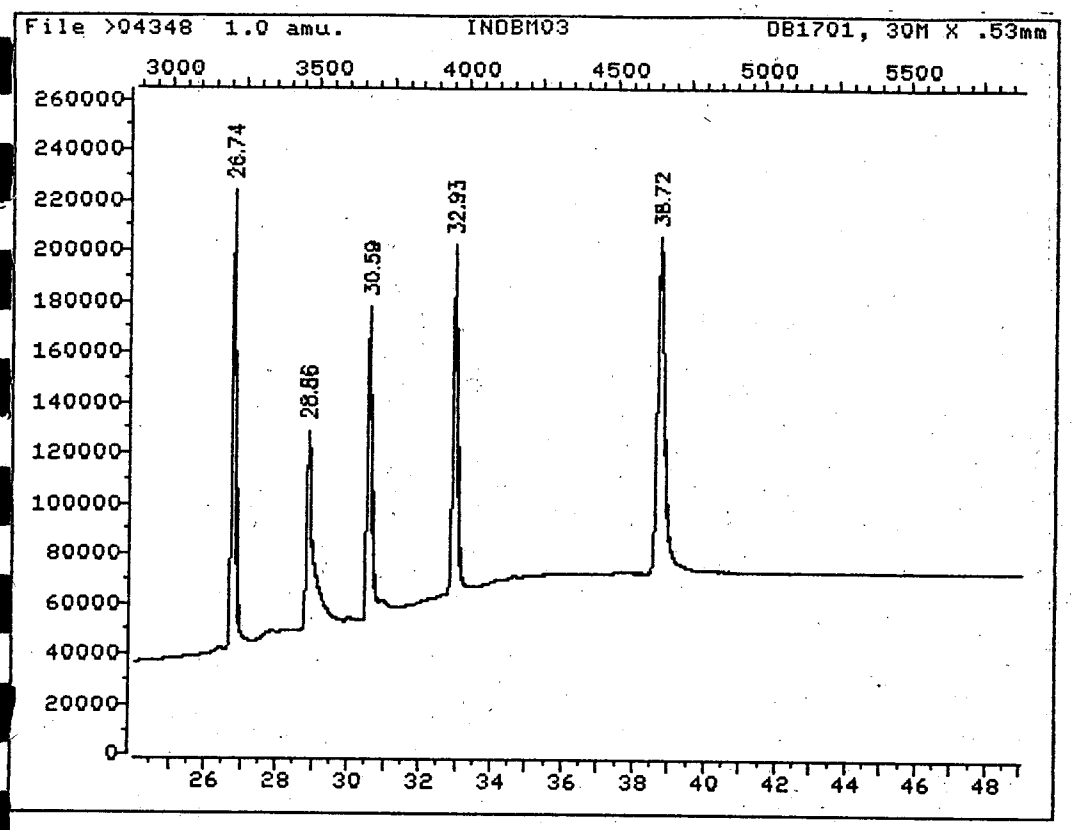

Data File: >04348::G1 Quant Output File: ^04348::GQ
Name: INDBM03 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 15:20
Injected at: 960715 14:26

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QUANT REPORT

Operator ID: TRFI2
Output File: ^03371::GQ
Data File: >03371::F3
Name: INDBM04A
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960716 12:18
Injected at: 960716 11:26
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	NG INJ	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2430055	20.31	ng/ml	100
3)	#beta-BHC	0.020	14.79	1775	1640171	20.05	ng/ml	100
4)	#delta-BHC	0.020	16.49	1979	2548683	19.82	ng/ml	100
7)	#Aldrin	0.020	17.36	2083	2634211	19.73	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.02	2402	2463584	19.73	ng/ml	100
11)	#4,4'-DDE	0.040	22.82	2738	3582538	38.80	ng/ml	100
13)	#Endosulfan II	0.040	25.80	3096	3809590	38.50	ng/ml	100
15)	#Endosulfan Sulfate	0.040	28.31	3397	3401755	38.68	ng/ml	100
18)	#Endrin ketone	0.040	32.76	3931	3594971	38.77	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.66	4999	4453795	38.52	ng/ml	100
20)	#alpha-Chlordane	0.020	21.52	2582	2360913	19.59	ng/ml	100
21)	#gamma-Chlordane	0.020	20.78	2493	2358141	19.50	ng/ml	100
30)	#Endrin aldehyde	0.040	27.61	3313	3072378	37.98	ng/ml	100

Compound uses ESTD

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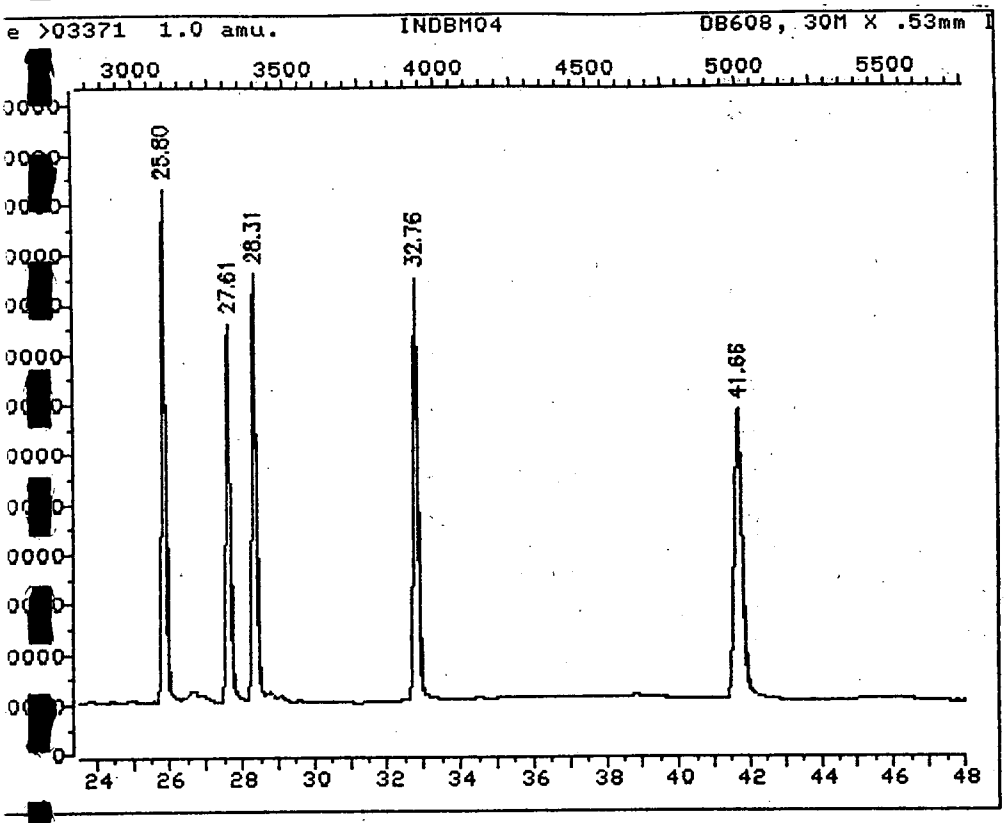

Data File: >03371::F3 Quant Output File: ^03371::GQ
Name: INDBM04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941021 10:07 Last Qcal Time: 960713 22:00

Operator ID: TRFI2
Quant Time : 960716 12:18
Injected at: 960716 11:26

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QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 10:27
Output File: ^04396::GQ Injected at: 960717 09:36
Data File: >04396::G4 Dilution Factor: 1.00000
Name: AR125402A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	816392	19.95	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.71	4645	948914	20.69	ng/ml	100
28)	#Aroclor-1254(1)	0.100	17.46	2095	163831	103.33	ng/ml	100
51)	#Aroclor-1254(2)	0.100	20.29	2435	199095	92.66	ng/ml	100
52)	#Aroclor-1254(3)	0.100	21.13	2536	168703	91.81	ng/ml	100
53)	#Aroclor-1254(4)	0.100	23.11	2773	235681	90.72	ng/ml	100
54)	#Aroclor-1254(5)	0.100	23.78	2854	144205	101.38	ng/ml	100

Compound uses ESTD

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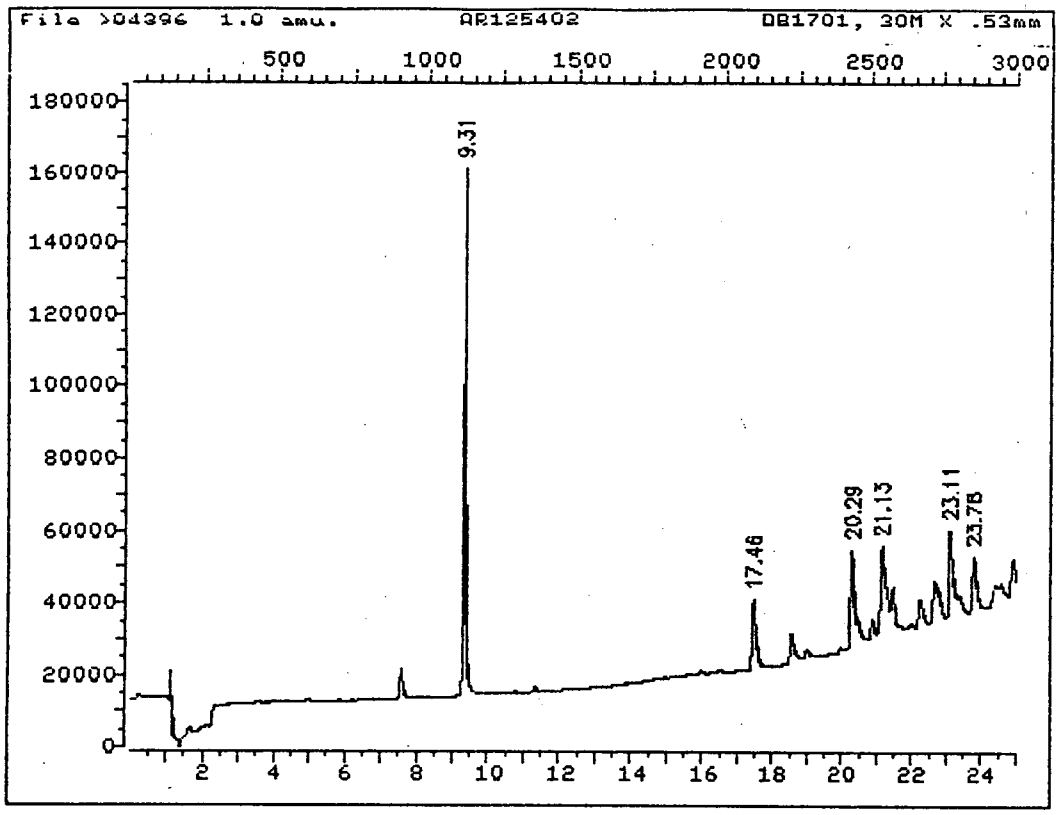

Data File: >04396::G4 Quant Output File: ^04396::GQ
Name: AR125402 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 10:27
Injected at: 960717 09:36

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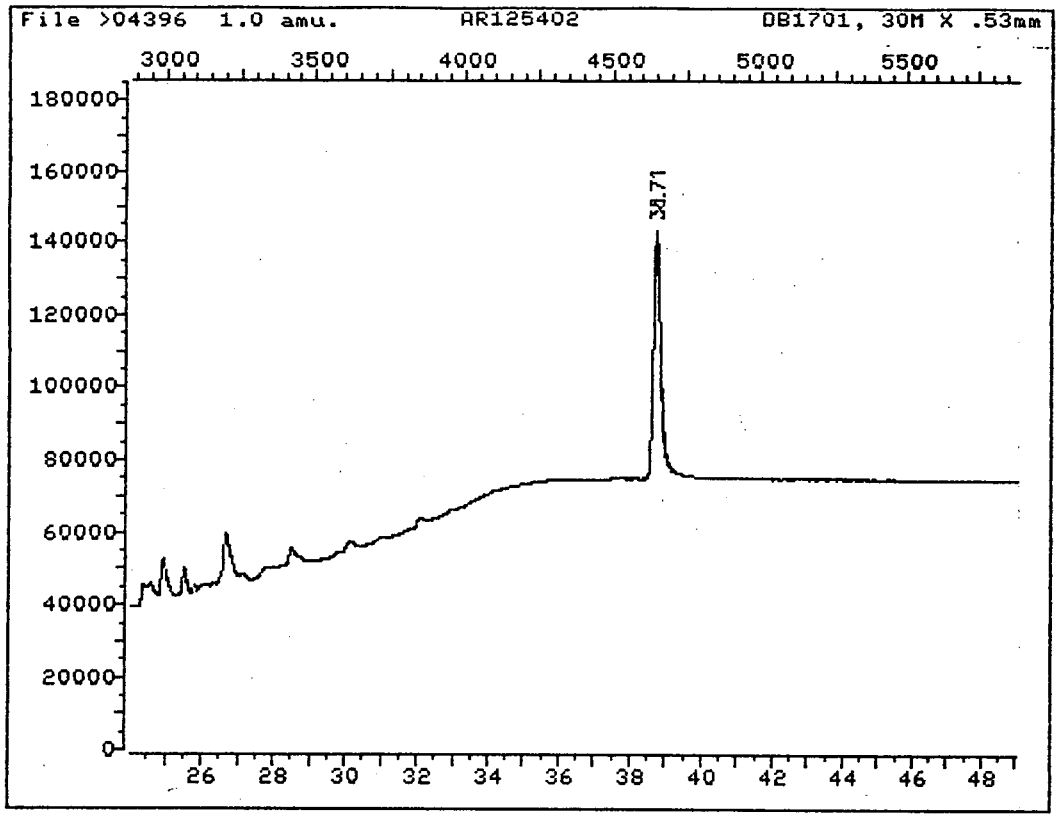

Data File: >04396::G4 Quant Output File: ^04396::GQ
Name: AR125402 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 10:27
Injected at: 960717 09:36

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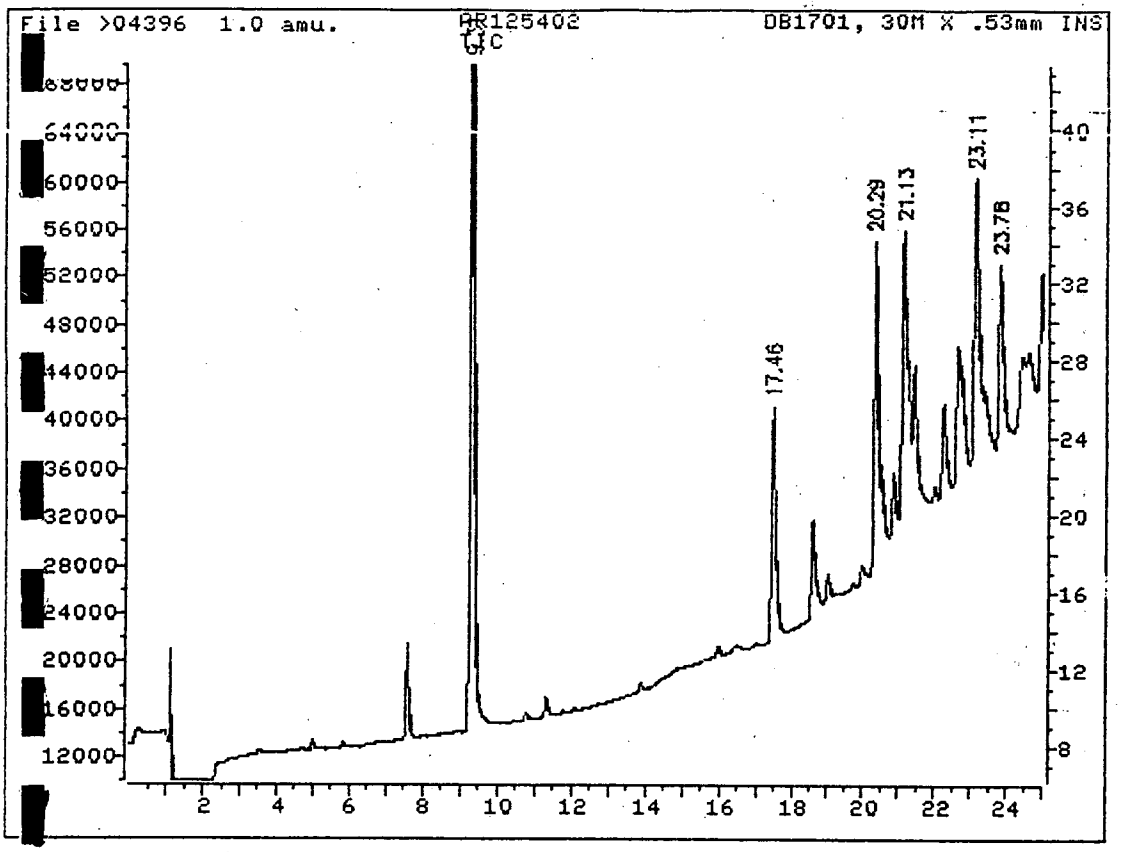
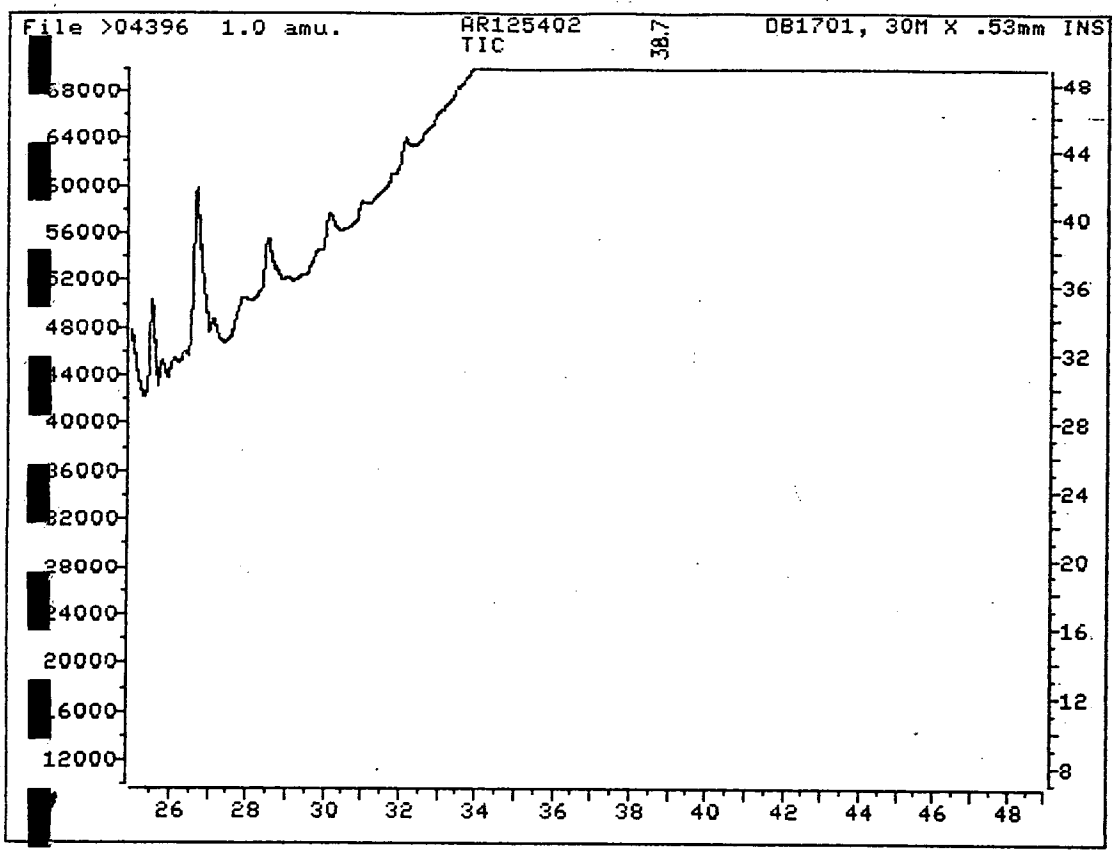


MS data file header from : >04396::G4

Sample: AR125402 Operator: TRFI2 7/17/96 9:36
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



MS data file header from : >04396::G4

Sample: AR125402 Operator: TRFI2 7/17/96 9:36
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

QUANT REPORT

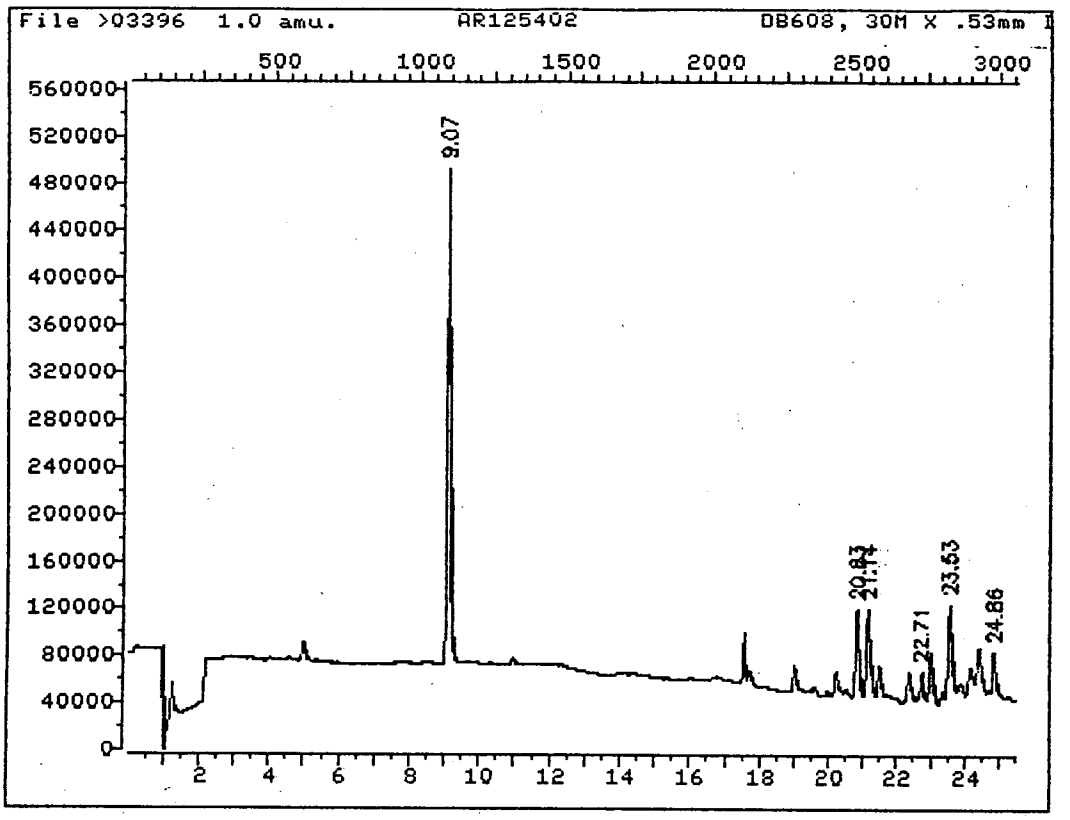
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 10:29
Output File: ^03396::GQ Injected at: 960717 09:36
Data File: >03396::G2 Dilution Factor: 1.00000
Name: AR125402A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.07	1089	2402159	20.08	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.66	4999	2409283	20.84	ng/ml	100
28)	#Aroclor-1254(1)	0.100	20.83	2500	479286	96.34	ng/ml	100
51)	#Aroclor-1254(2)	0.100	21.14	2537	559018	95.27	ng/ml	100
52)	#Aroclor-1254(3)	0.100	22.71	2725	167767	90.82	ng/ml	100
53)	#Aroclor-1254(4)	0.100	23.53	2824	603001	93.30	ng/ml	100
54)	#Aroclor-1254(5)	0.100	24.86	2983	347264	95.02	ng/ml	100

Compound uses ESTD

EPrice
7/22/96

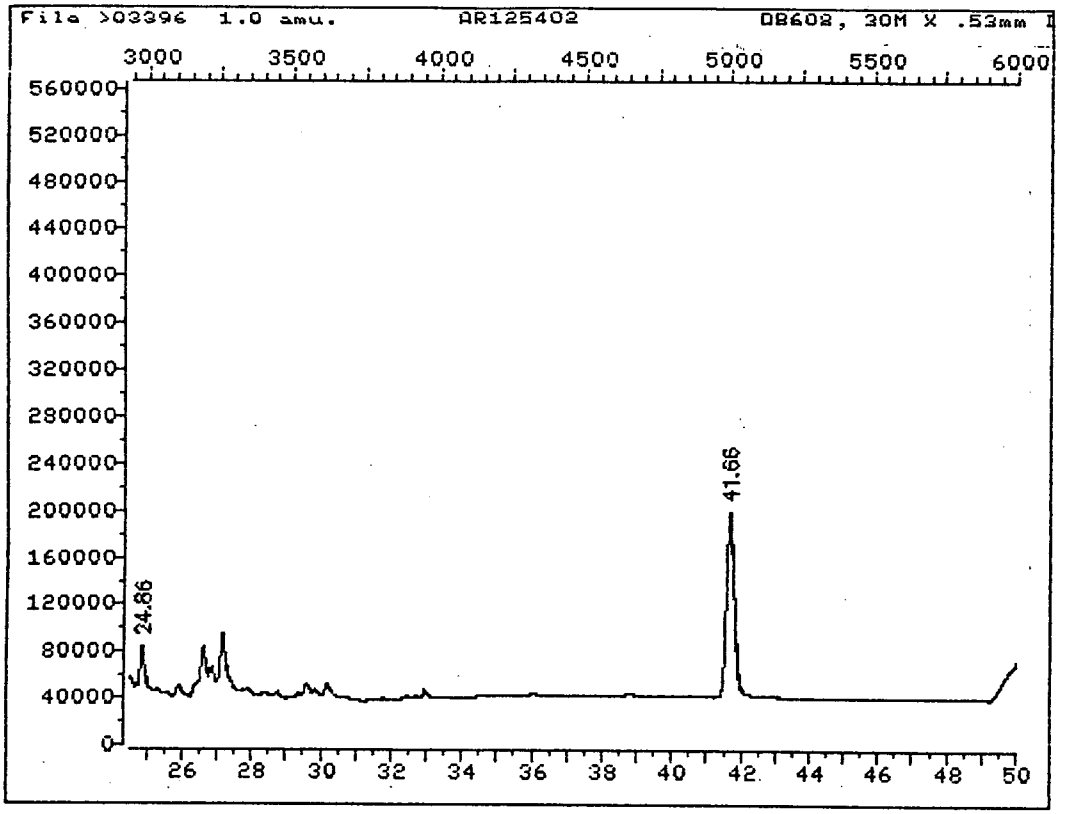


Data File: >03396::G2 Quant Output File: ^03396::GQ
Name: AR125402 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 10:29
Injected at: 960717 09:36

Page 1 of 2

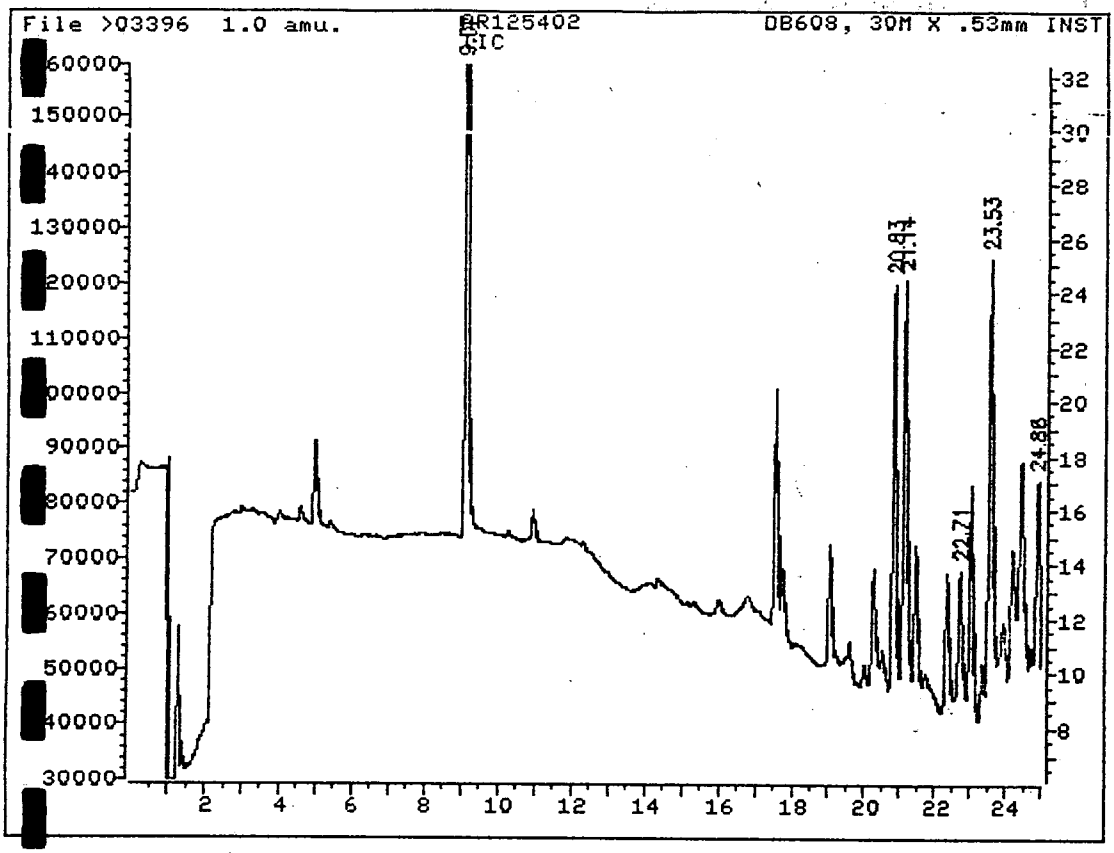


Data File: >03396::G2 Quant Output File: ^03396::GQ
Name: AR125402 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 10:29
Injected at: 960717 09:36

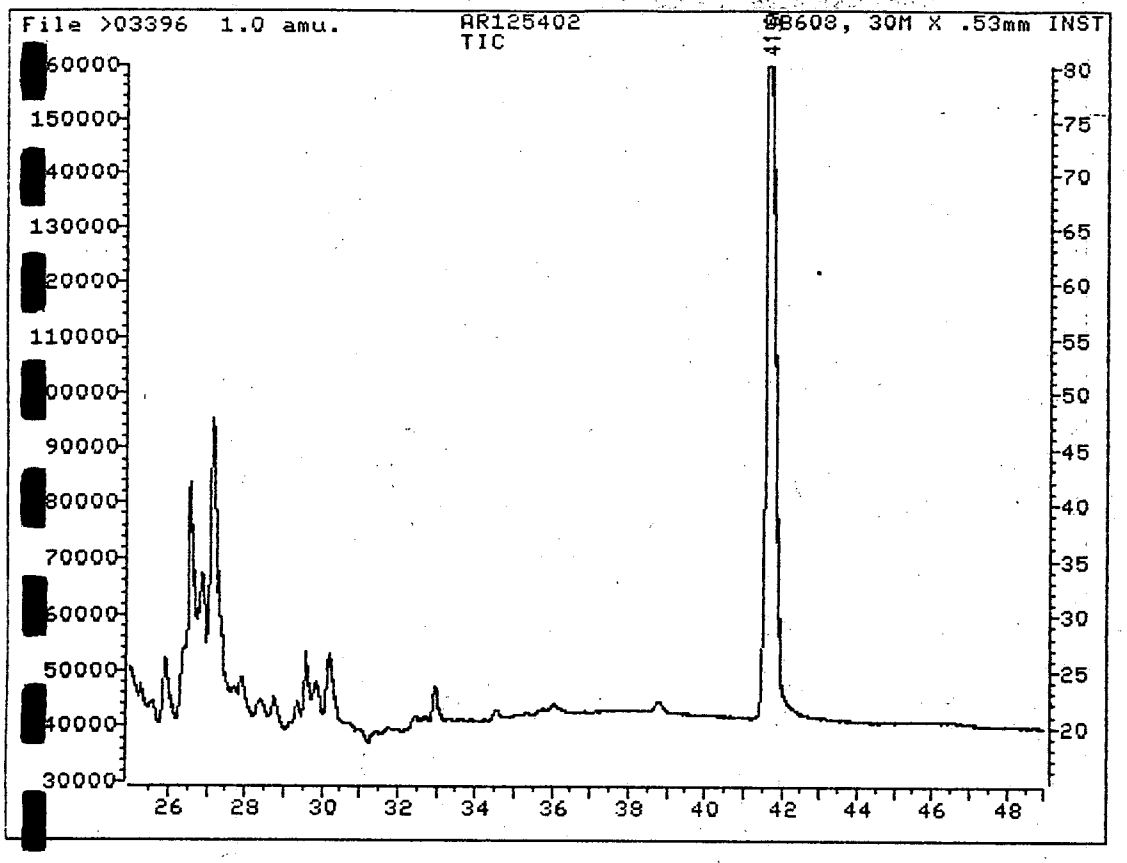
Page 2 of 2



S data file header from : >03396::G2

ample: AR125402 Operator: TRFI2 7/17/96 9:36
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

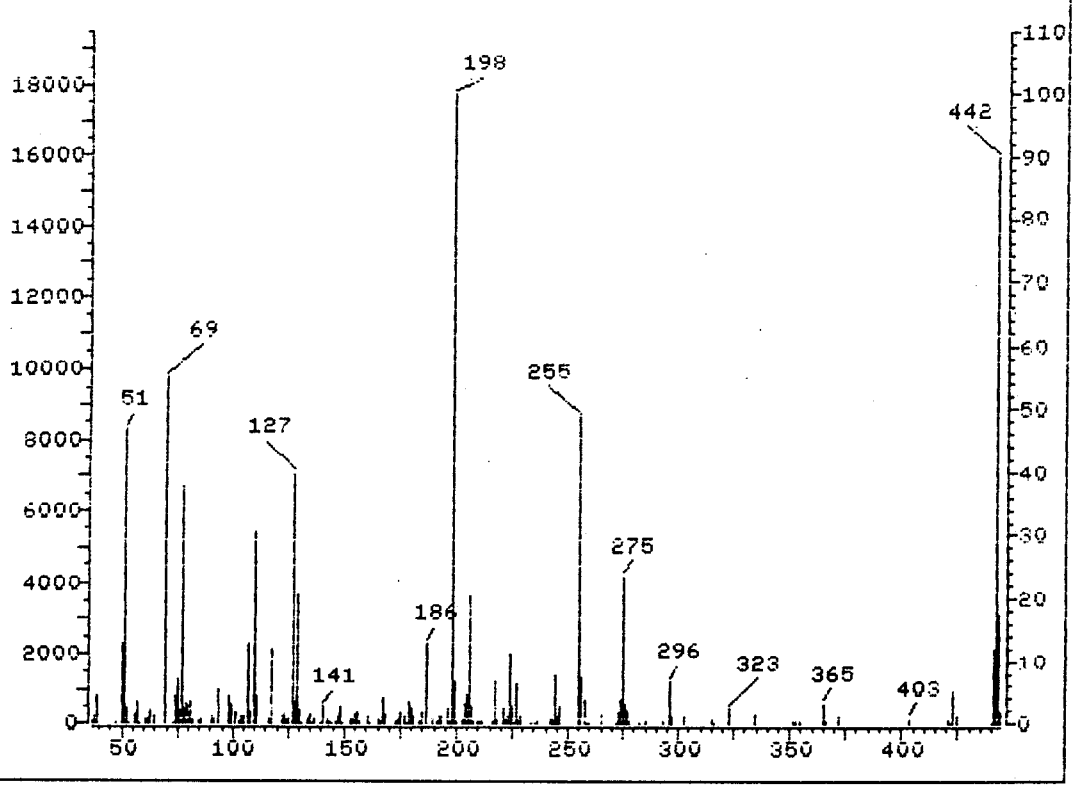


MS data file header from : >03396::G2

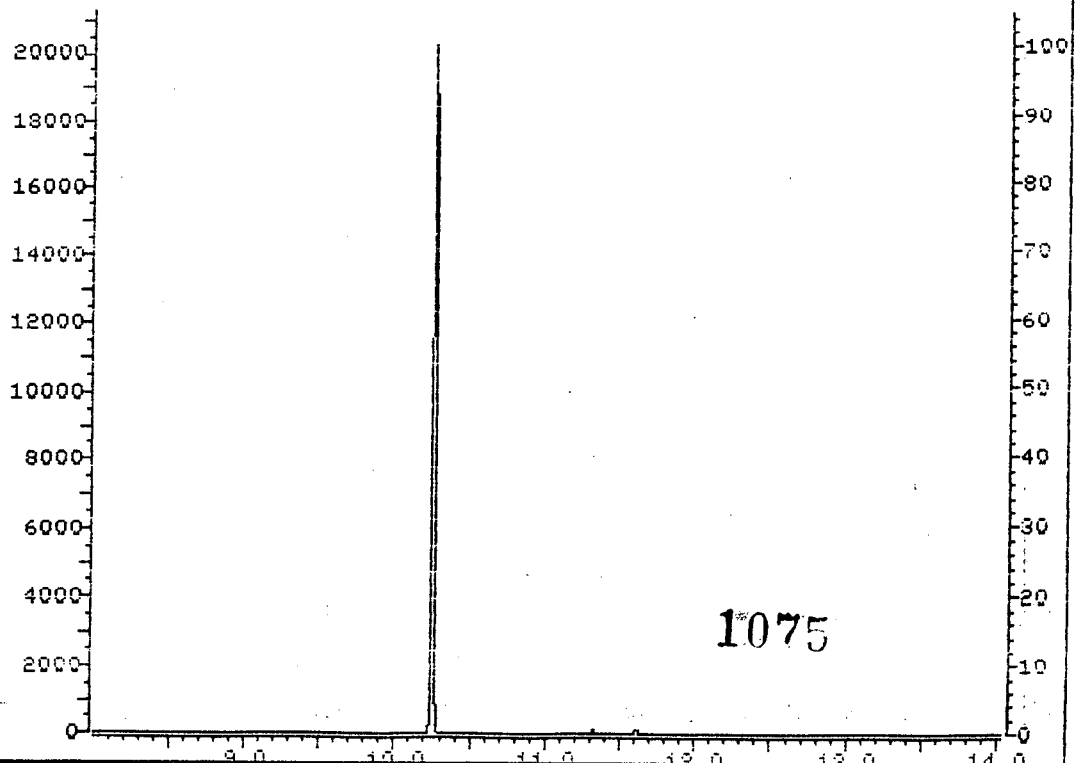
Sample: AR125402 Operator: TRFI2 7/17/96 9:36
Disc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

File >J3504 INST 59708 DFTPP050 07/18/96,10:12 HRS,2uL INJ,30 Scan 415
Bpk Ab 17739. SUB ENH 10.25 min.



File >J3504 197.7-198.7 amu.INST 59708 DFTPP050 07/18/96,10:12 HRS,2uL
EIP



>J3504 INST 59708 DFTPP050 07/18/96,10:12 HRS,2uL INJ,30m SPB-5 CAP

415 SUB NRM ENH

File: >J3504 Scan #: 415 Retn. time: 10.25

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.10	.269	104.05	1.009	154.90	1.289	205.05	4.906	265.15	1.599
38.00	1.143	105.05	.981	155.10	.406	206.10	20.471	272.15	.150
39.10	4.570	107.05	12.987	156.00	1.849	207.20	2.633	273.05	1.676
47.40	.092	108.15	1.766	157.00	.543	208.10	.571	274.15	3.882
50.00	13.043	110.05	30.448	161.05	1.165	210.00	.261	275.05	23.538
51.10	46.679	110.95	4.331	161.85	.111	210.50	.312	276.15	3.136
52.10	2.514	116.20	.849	162.05	.120	211.10	.558	277.15	2.169
53.10	.113	117.10	11.769	165.15	.692	216.00	.462	277.95	.336
56.20	1.364	117.90	.231	166.05	.502	217.10	6.814	283.05	.139
57.10	3.475	122.10	1.188	167.05	4.286	218.00	.878	285.15	.319
57.90	.184	123.10	1.573	168.15	1.291	221.20	2.492	292.95	.415
61.00	.797	123.90	.633	173.05	.381	221.80	.654	296.05	6.819
62.10	.705	124.10	.256	174.05	.847	223.10	1.214	297.20	1.037
63.10	1.994	125.10	.740	175.05	1.635	224.10	11.329	303.20	.975
65.10	.983	127.10	39.742	176.95	.936	225.20	2.954	315.00	.831
69.05	55.166	128.10	3.433	177.85	.162	226.10	.216	316.10	.158
73.25	.218	129.10	20.578	179.05	3.317	227.10	6.517	323.20	2.338
74.05	4.540	130.10	1.966	180.05	2.422	228.10	.661	334.10	1.603
75.05	7.180	130.90	.145	181.05	.945	229.10	1.148	352.15	.318
76.15	2.107	133.90	.752	183.95	.336	233.90	.141	353.05	.391
77.05	37.528	135.20	1.590	185.15	1.731	235.10	.218	354.15	.451
78.05	2.490	136.00	.256	186.15	12.863	236.10	.286	365.15	3.138
79.05	3.253	136.60	.107	187.05	3.646	242.10	.673	366.05	.402
80.05	2.698	137.10	.898	189.05	.817	243.10	.791	372.15	1.060
81.05	3.542	139.90	.124	191.15	.562	243.30	.327	403.10	.894
81.95	.759	141.00	2.693	192.05	1.011	244.10	7.954	421.10	.795
85.05	.415	142.00	.925	193.15	1.126	245.10	1.218	421.90	.227
86.15	.808	143.00	.537	196.05	2.409	246.00	2.676	423.10	5.036
90.85	.956	144.80	.092	196.75	.528	255.15	48.726	424.20	1.099
92.05	.832	146.00	.490	198.05	100.000	256.15	7.383	440.05	.100
93.05	5.532	147.00	1.255	199.05	6.718	257.15	.492	441.15	11.760
98.05	4.497	148.00	2.665	199.75	.521	258.05	3.666	442.15	89.819
98.95	3.114	149.00	.192	203.15	.872	259.05	.199	443.15	17.329
101.05	1.691	153.00	.900	204.05	3.116	259.35	.180	444.15	1.719
103.05	.584	154.10	.832						

QUANT REPORT

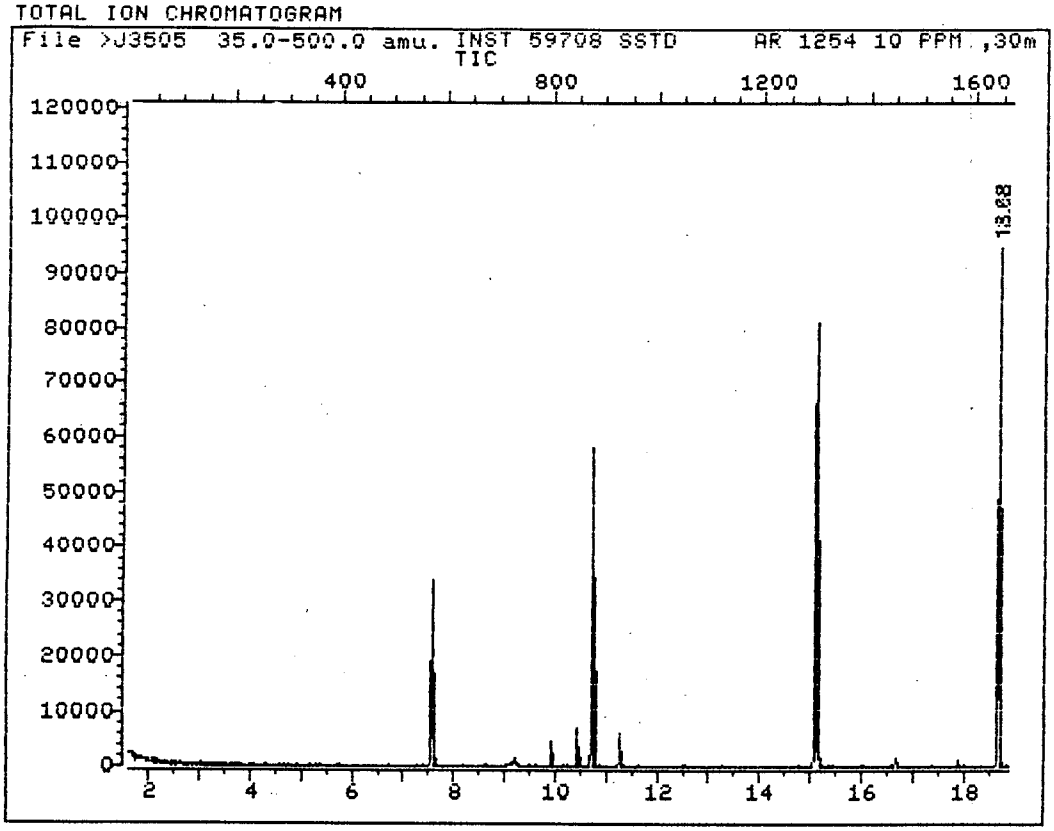
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960718 11:12
Output File: ^J3505::QT Injected at: 960718 10:35
Data File: >J3505::D4 Dilution Factor: 1.00000
Name: INST 59708 SSTD Instrument ID: 5970 "J"
Misc: AR 1254 10 PPM ,30m SPB-5 CAP COLUMN BTL# 2

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

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Phenanthrene-d10	18.68	188.0	62439	40.00	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >J3505::D4 Quant Output File: ^J3505::QT
Name: INST 59708 SSTD Instrument ID: 5970 "J"
Misc: AR 1254 10 PPM ,30m SPB-5 CAP COLUMN BTL# 2

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

Operator ID: GT0101
Quant Time : 960718 11:12
Injected at: 960718 10:35

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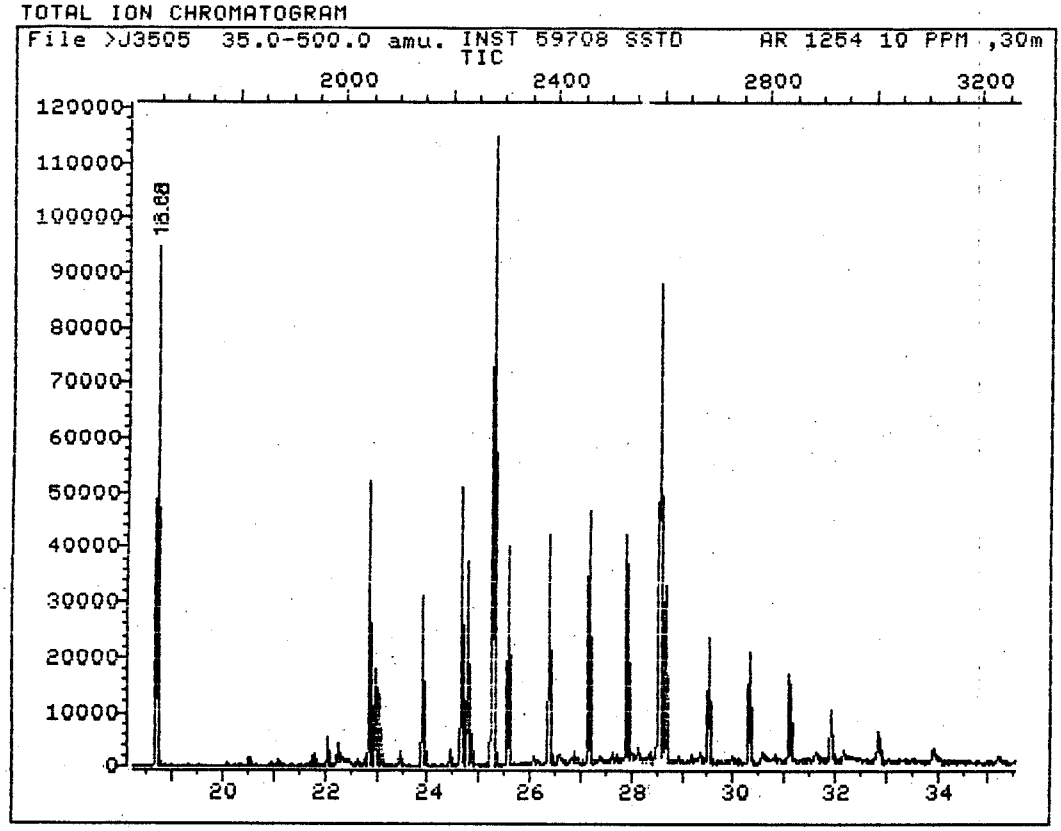
TOTAL ION CHROMATOGRAM

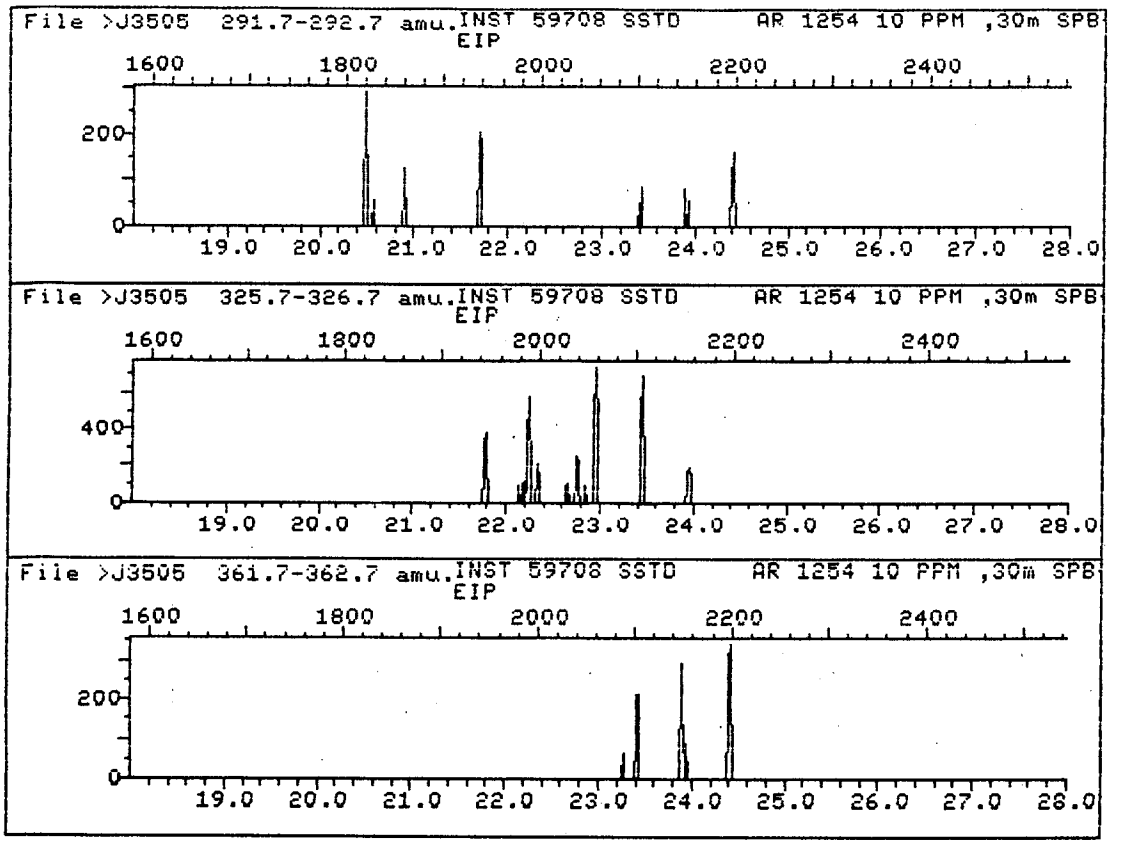


Data File: >J3505::D4 Quant Output File: ^J3505::QT
Name: INST 59708 SSTD Instrument ID: 5970 "J"
Misc: AR 1254 10 PPM ,30m SPB-5 CAP COLUMN BTL# 2

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

Operator ID: GT0101
Quant Time : 960718 11:12
Injected at: 960718 10:35

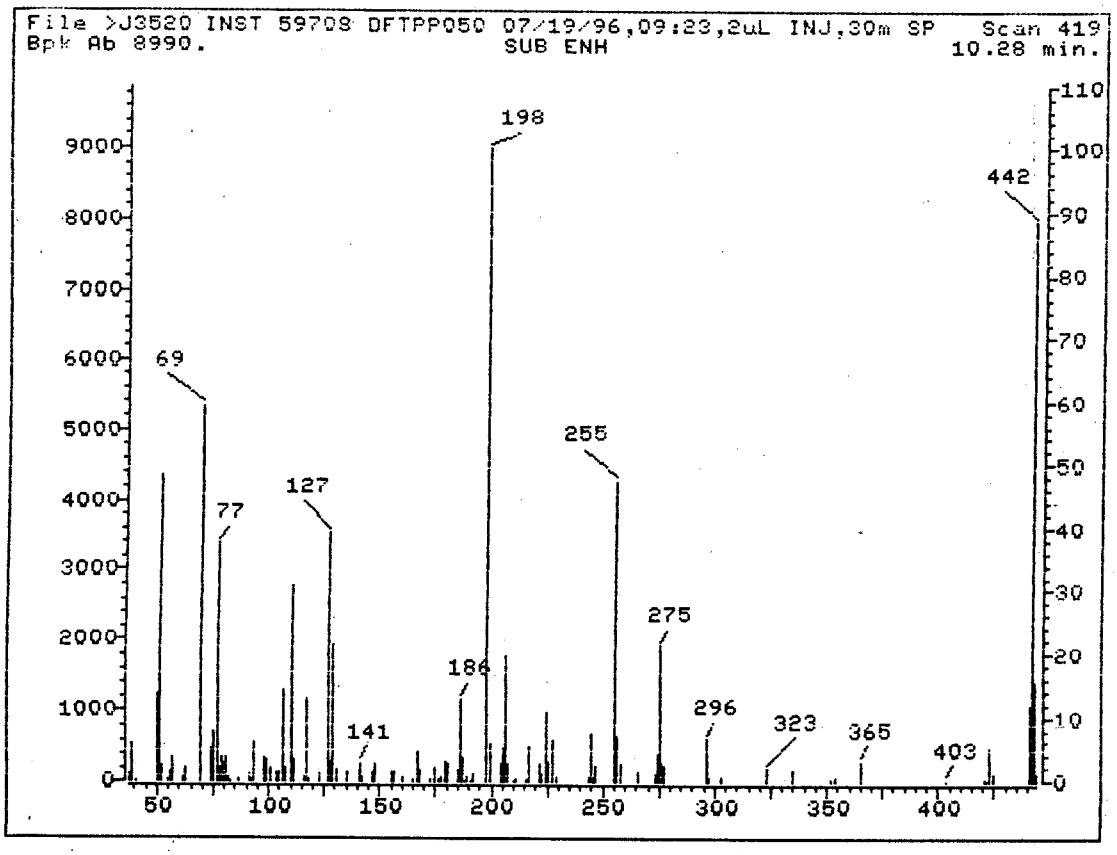
Page 2 of 2

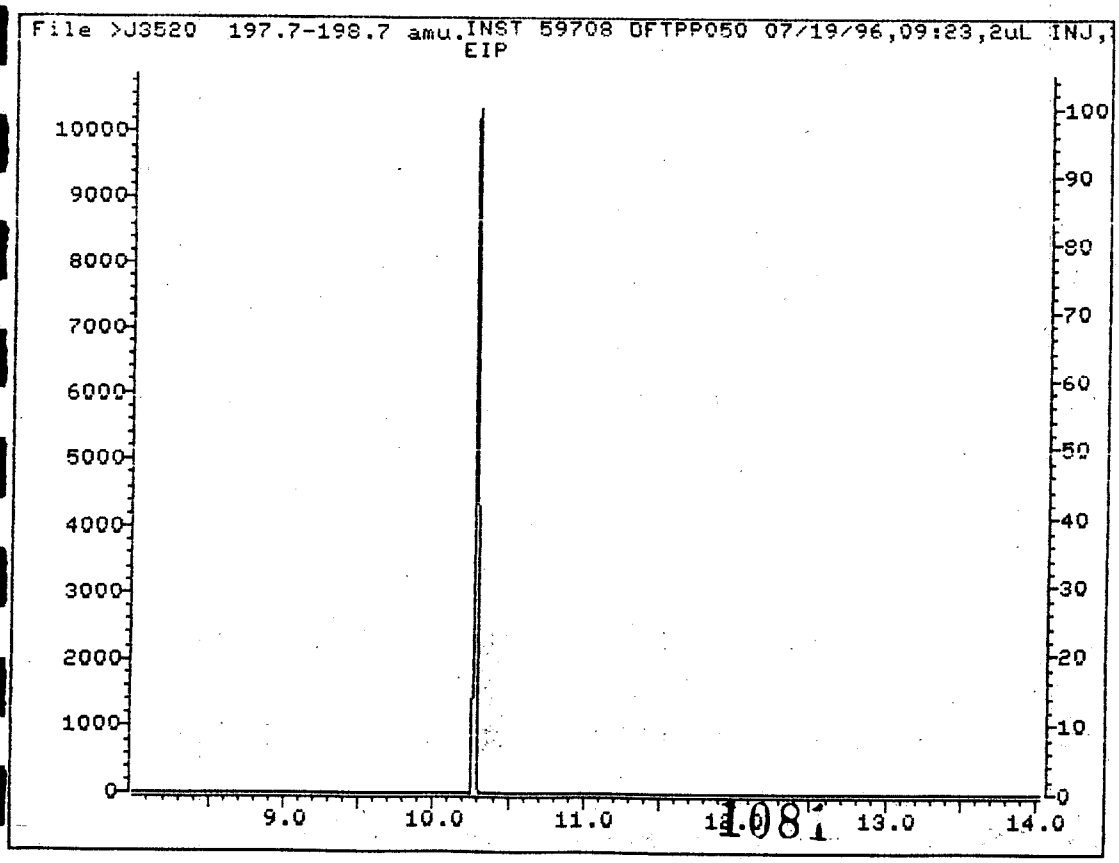


MS data file header from : >J3505::D4

Sample: INST 59708 SSTD Operator: GT0101 SUPER GRP. 7/18/96 10:35
Misc : AR 1254 10 PPM ,30m SPB-5 CAP COLUMN BTL# 2
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 2 Equip ID: 5970 "J"
Method file: BNPJ Tuning file: MTA008 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

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


File >J3520 INST 59708 DFTPP050 07/19/96,09:23,2uL INJ,30m SP Scan 419
Bpk Ab 8990. SUB ENH 10.28 min.
198
442
69
255
127
77
275
186
296
323
365
403
141


File >J3520 197.7-198.7 amu.INST 59708 DFTPP050 07/19/96,09:23,2uL INJ,
EIP

>J3520 INST 59708 DFTPP050 07/19/96,09:23,2uL INJ,30m SPB-5 CAP COL

419 SUB NRM ENH

File: >J3520 Scan #: 419 Retn. time: 10.28

m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.	m/z	Int.
37.90	1.060	92.15	.467	148.10	2.788	204.05	2.658	258.05	2.933
39.10	5.665	93.05	6.099	155.10	1.376	205.15	5.013	265.15	1.435
40.90	.208	97.95	3.964	156.10	1.413	206.20	19.792	273.15	1.101
50.10	13.559	99.05	3.355	159.90	.845	207.20	2.822	274.15	4.412
51.10	48.319	100.85	2.188	164.85	.345	209.80	.171	275.15	21.293
52.10	2.325	103.85	1.379	167.05	4.698	210.10	.230	276.05	3.211
54.70	.408	105.05	1.479	167.95	1.854	210.40	.163	277.05	2.484
55.90	1.383	106.15	.523	173.05	.360	211.30	.423	296.05	6.800
57.10	3.819	107.05	14.390	174.15	.834	216.20	.267	297.10	.667
62.00	.641	108.05	2.125	175.05	2.061	217.10	5.602	303.20	.641
63.00	2.143	110.05	30.700	176.15	.452	221.20	2.688	323.20	2.065
69.05	59.230	111.05	3.330	176.65	.234	221.80	.382	334.10	1.772
74.05	5.068	116.30	.879	177.15	.812	222.10	.326	352.15	.349
75.05	7.953	117.10	13.047	178.95	3.248	222.90	1.049	354.15	.719
77.15	37.518	118.10	.575	180.05	2.759	224.20	10.763	365.15	3.229
78.25	2.032	123.00	1.153	184.95	1.935	225.10	3.022	403.10	.197
79.15	3.693	127.10	39.175	186.15	12.921	227.10	6.374	421.00	.274
80.05	2.833	128.00	3.070	187.15	3.685	229.10	.923	421.90	.200
80.95	3.893	129.10	21.423	187.95	.185	243.10	.708	423.10	5.050
81.95	.593	130.10	1.898	189.05	.619	244.20	7.608	424.20	1.101
82.55	.174	135.10	1.357	191.05	.230	245.10	.816	441.15	11.876
86.05	.367	141.10	2.862	191.95	1.186	246.10	2.566	442.15	88.525
86.95	.449	142.00	.894	198.05	100.000	255.15	47.503	443.15	15.580
91.15	1.049	147.00	1.320	199.05	5.769	256.05	7.037	444.05	1.179

QUANT REPORT

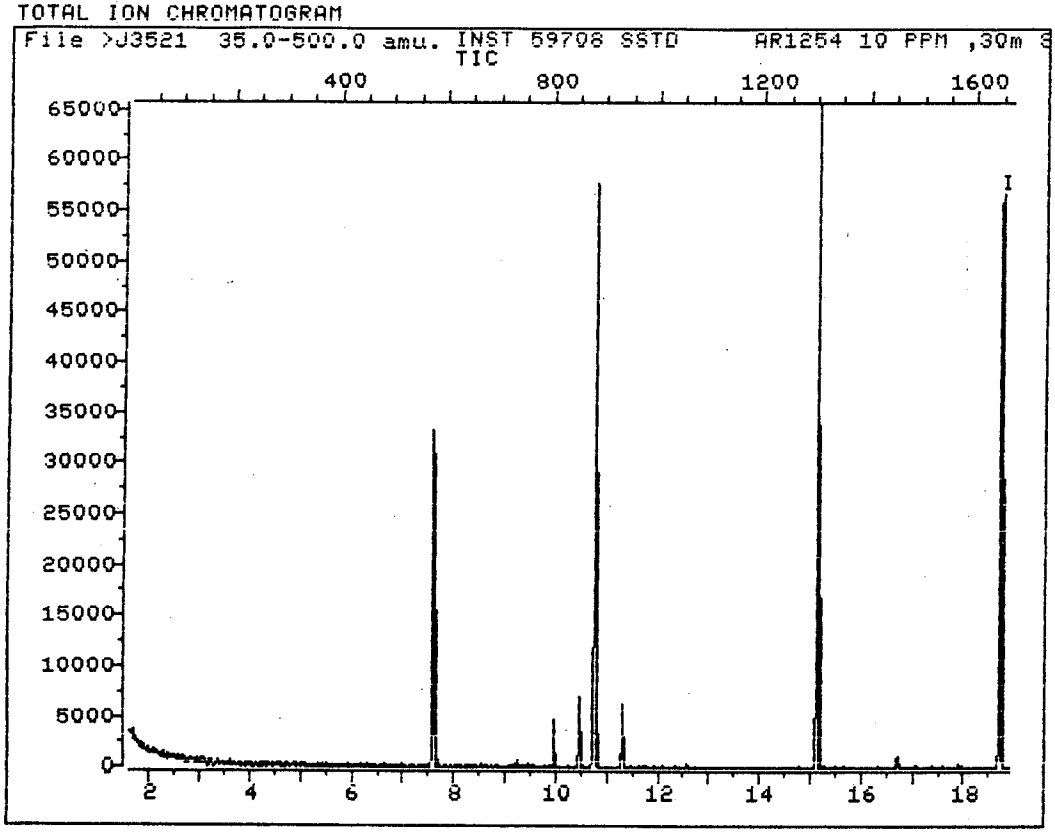
Operator ID: GT0101 Quant Rev: 7 Quant Time: 960719 10:24
Output File: ^J3521::QT Injected at: 960719 09:47
Data File: >J3521::D4 Dilution Factor: 1.00000
Name: INST 59708 SSTD Instrument ID: 5970 "J"
Misc: AR1254 10 PPM ,30m SPB-5 CAP CLUMN BTL# 2

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

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Phenanthrene-d10	18.70	188.0	37829	40.00	UG/ML	100

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >J3521::D4 Quant Output File: ^J3521::QT
Name: INST 59708 SSTD Instrument ID: 5970 "J"
Misc: AR1254 10 PPM ,30m SPB-5 CAP CLUMN BTL# 2

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

Operator ID: GT0101
Quant Time : 960719 10:24
Injected at: 960719 09:47

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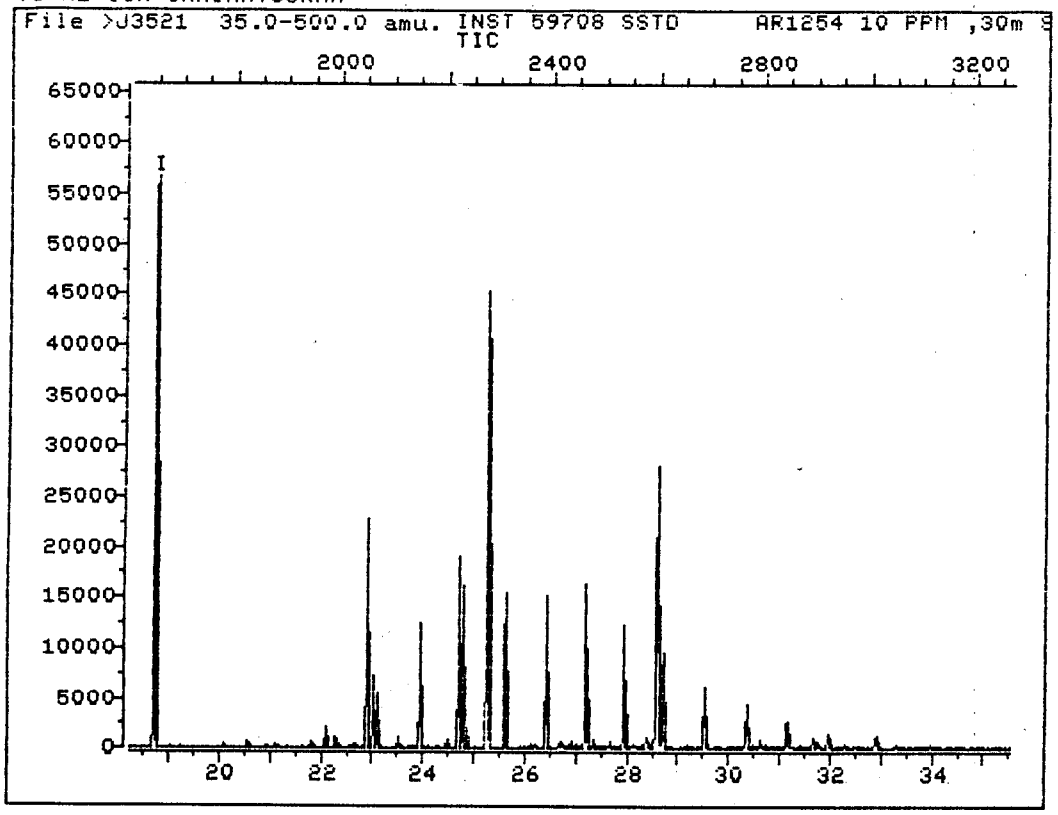
TOTAL ION CHROMATOGRAM

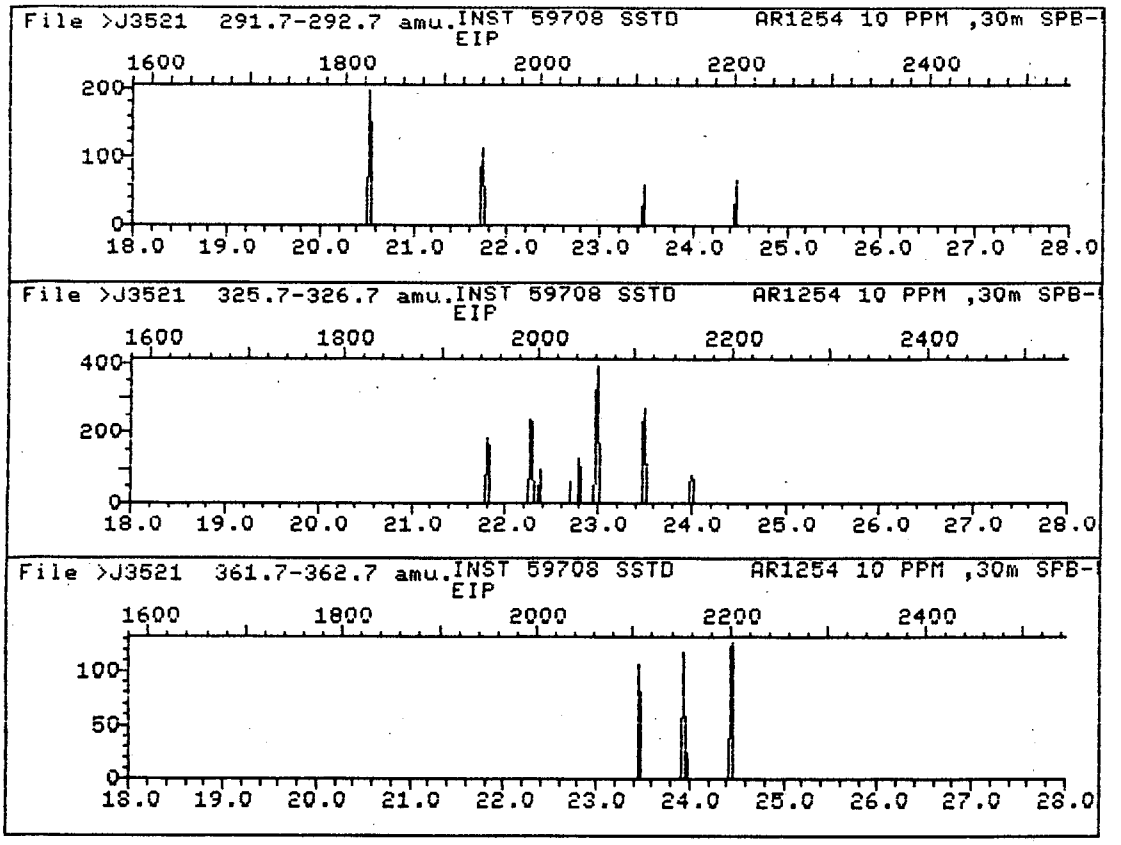


Data File: >J3521::D4 Quant Output File: ^J3521::QT
Name: INST 59708 SSTD Instrument ID: 5970 "J"
Misc: AR1254 10 PPM ,30m SPB-5 CAP CLUMN BTL# 2

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

Operator ID: GT0101
Quant Time : 960719 10:24
Injected at: 960719 09:47

Page 2 of 2



MS data file header from : >J3521::D4

Sample: INST 59708 SSTD Operator: GT0101 SUPER GRP. 7/19/96 9:47
Misc : AR1254 10 PPM ,30m SPB-5 CAP CLUMN BTL# 2
Sys. #: 1 MS model: 70 SW/HW rev.: LF ALS # : 2 Equip ID: 5970 "J"
Method file: BNPJ Tuning file: MTA008 No. of extra records: 2
Source temp.: N/A Analyzer temp.: N/A Transfer line temp. : 0

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK34

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PBLK34

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03150

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

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

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

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

QUANT REPORT

Operator ID: TRFIL
Output File: ^03150::F3
Data File: >03150::G3
Name: PBLK34
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 14:28
Injected at: 960706 13:35
Dilution Factor: 1.00000
Instrument ID: GC03

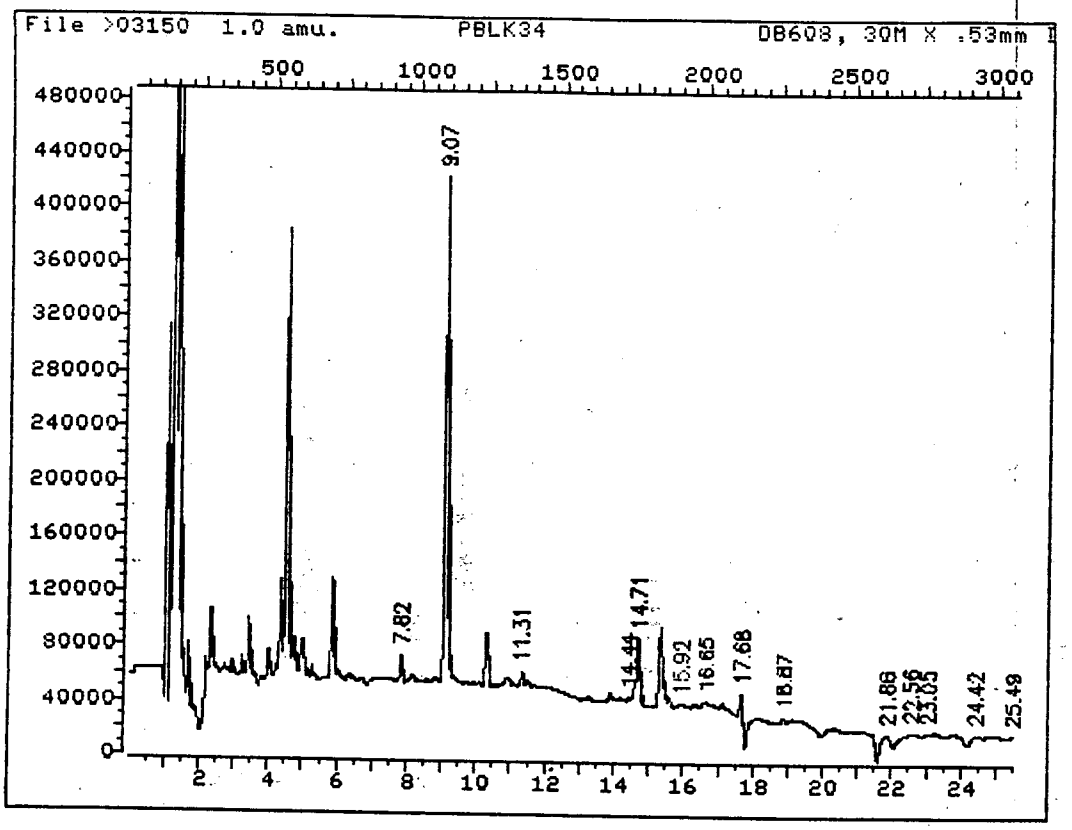
ID File: IDCAP1::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2076535	16.59	ng/ml	100
3)	~~#beta-BHC~~	14.71	1765	384535	4.68	ng/ml	100
4)	~~#delta-BHC~~	16.65	1998	34724	.287	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	14.44	1733	14446	.106	ng/ml	100
6)	~~#Heptachlor~~	15.92	1911	37690	.483	ng/ml	100
10)	~~#Dieldrin~~	23.05	2766	8793	.0930	ng/ml	100
14)	~~#4,4'-DDD~~	25.49	3058	38024	.660	ng/ml	100
15)	~~#Endosulfan Sulfate~~	28.30	3396	304639	3.44	ng/ml	100
17)	~~#Methoxychlor~~	32.35	3882	24314	.626	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	2073772	17.33	ng/ml	100
24)	~~#Aroclor 1221(1)~~ NP	7.82	939	98079	115.65	ng/ml	100
27)	~~#Aroclor 1248(1)~~ NP	15.92	1911	37690	4.98	ng/ml	100
29)	~~#Aroclor 1260(1)~~ NP	24.42	2930	148412	19.14	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.30	3396	304639	121.88	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	30.29	3635	10966	5.69	ng/ml	100
34)	~~#Aroclor 1016(2)~~ NP	14.44	1733	14446	2.21	ng/ml	100
35)	~~#Aroclor 1016(3)~~ NP	15.92	1911	37690	3.41	ng/ml	100
37)	~~#Aroclor 1016(5)~~ NP	18.87	2264	18931	5.57	ng/ml	100
38)	~~#Aroclor 1221(2)~~ NP	11.31	1357	62786	37.37	ng/ml	100
40)	~~#Aroclor 1232(2)~~ NP	14.44	1733	14446	5.12	ng/ml	100
41)	~~#Aroclor 1232(3)~~ NP	15.92	1911	37690	8.01	ng/ml	100
43)	~~#Aroclor 1242(2)~~ NP	14.44	1733	14446	2.68	ng/ml	100
44)	~~#Aroclor 1242(3)~~ NP	15.92	1911	37690	4.23	ng/ml	100
46)	~~#Aroclor 1242(5)~~ NP	18.87	2264	18931	6.33	ng/ml	100
47)	~~#Aroclor 1248(2)~~ NP	17.68	2122	211289	81.01	ng/ml	100
48)	~~#Aroclor 1248(3)~~ NP	18.87	2264	18931	4.56	ng/ml	100
50)	~~#Aroclor 1248(5)~~ NP	21.86	2623	435748	79.04	ng/ml	100
52)	~~#Aroclor 1254(3)~~ NP	22.56	2707	201891	125.21	ng/ml	100
57)	~~#Aroclor 1260(4)~~ NP	30.29	3635	10966	1.01	ng/ml	100

NT

Compound uses ESTD

EPwa 7/8/96



Data File: >03150::G3
Name: PBLK34
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

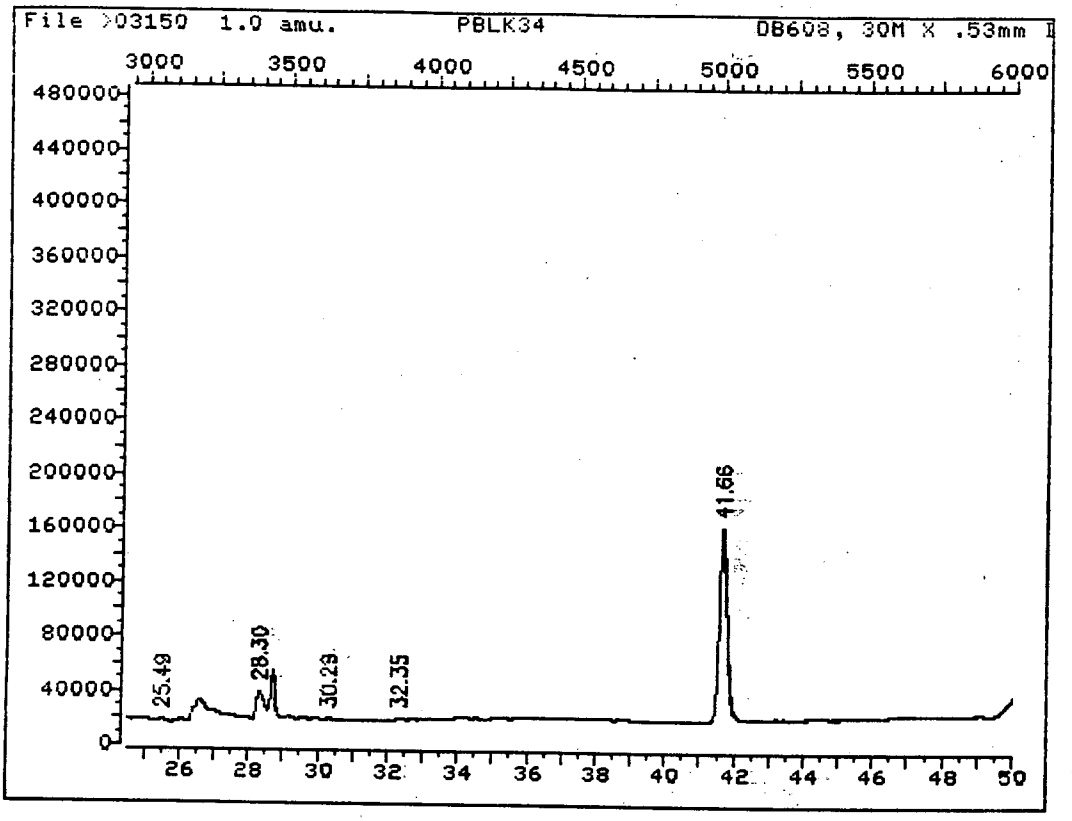
Quant Output File: ^03150::F3
Instrument ID: GC03

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 14:28
Injected at: 960706 13:35

Page 1 of 2

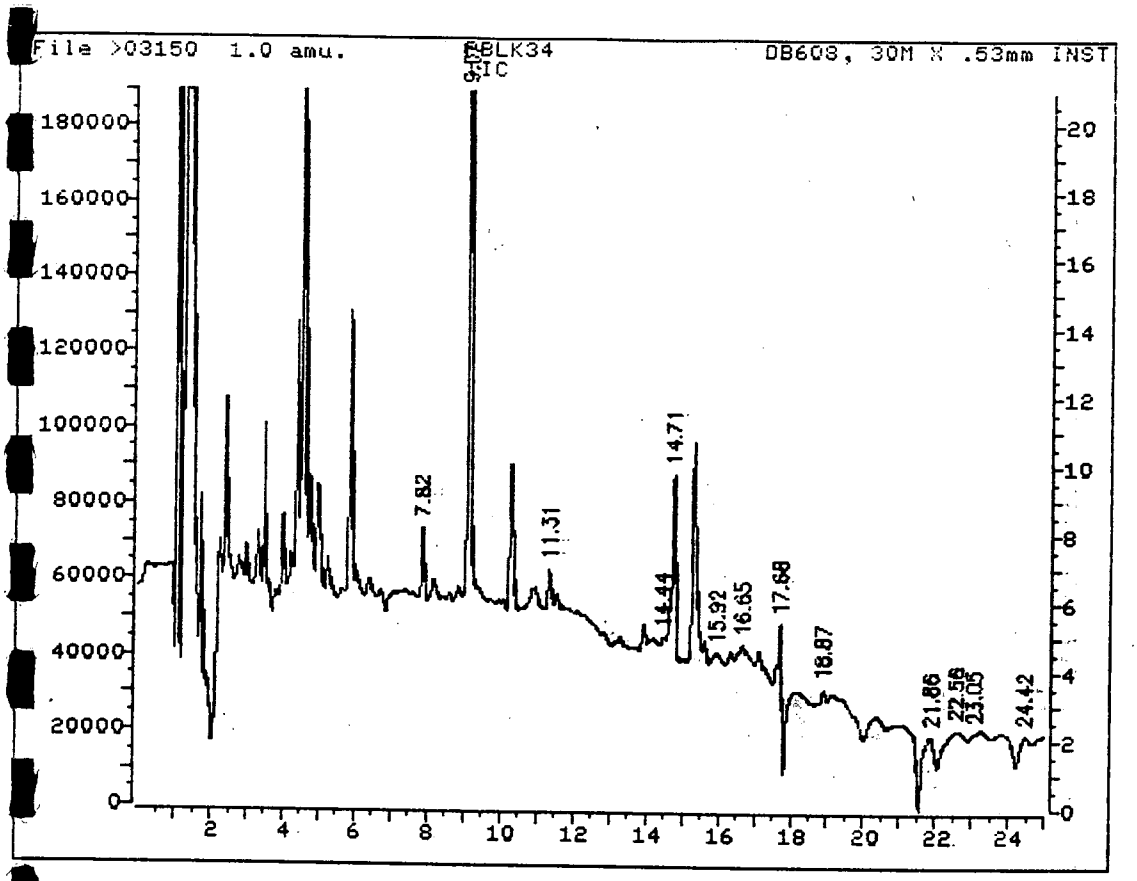


Data File: >03150::G3 Quant Output File: ^03150::F3
Name: PBLK34 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 14:28
Injected at: 960706 13:35

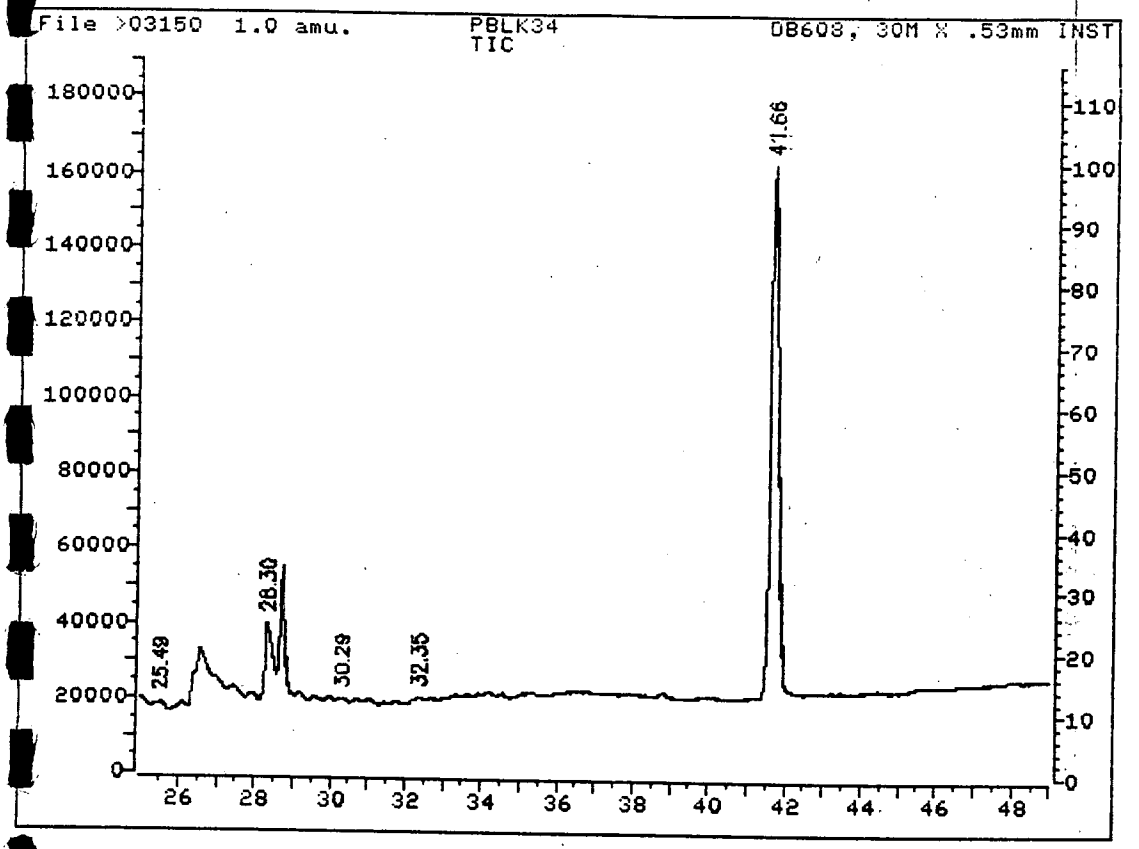
Page 2 of 2



MS data file header from : >03150::G3

Sample: PBLK34 Operator: TRFIL 7/06/96 13:35
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 : >03150::G3

Sample: PBLK34 Operator: TRFIL 7/06/96 13:35
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: ^04150::F3
Data File: >04150::G5
Name: PBLK34
Misc: DB1701. 30M X .53mm INST 58903, 1ul INJ

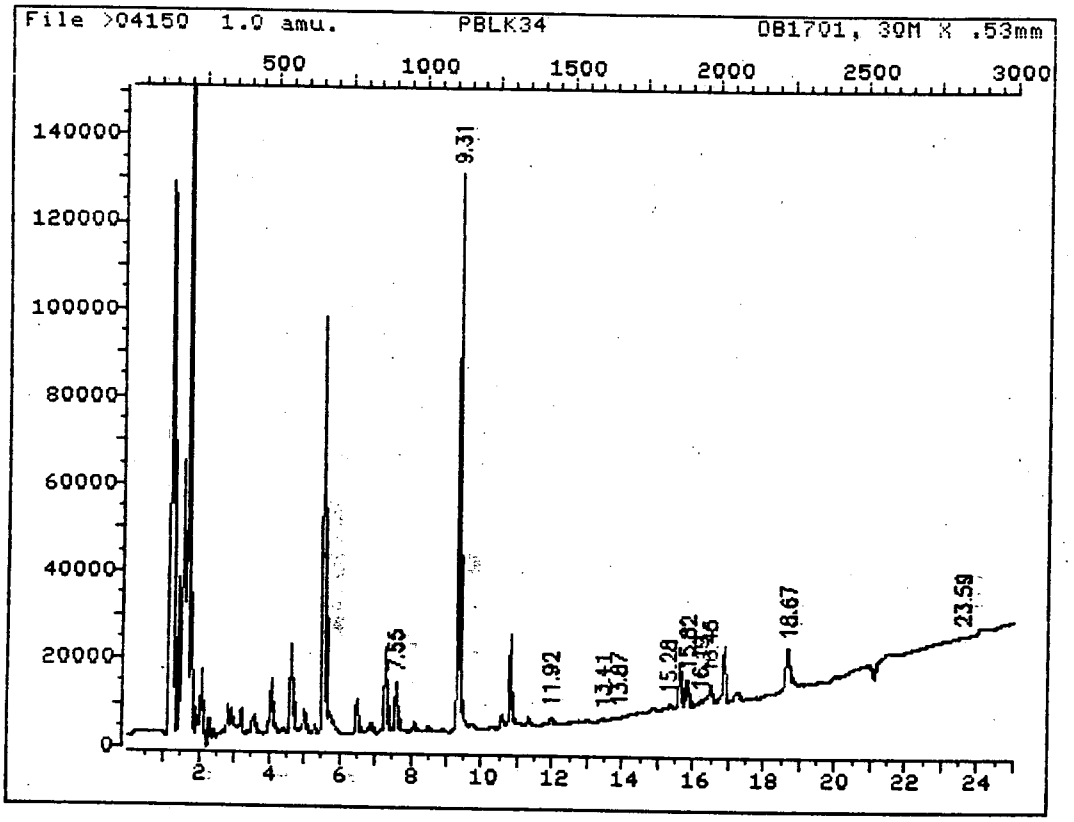
Quant Rev: 7
Quant Time: 960706 14:26
Injected at: 960706 13:35
Dilution Factor: 1.00000
Instrument ID: GC04

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	721803	17.43	ng/ml	100
2)	~~#alpha-BHC~~	13.41	1609	6620	.202	ng/ml	100
3)	~~#beta-BHC~~	18.67	2240	72433	2.76	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~	15.28	1834	6414	.189	ng/ml	100
6)	~~#Heptachlor~~	16.19	1943	6726	.142	ng/ml	100
13)	~~#Endosulfan II~~ NT	26.80	3216	43216	1.21	ng/ml	100
16)	~~#4,4'-DDT~~	27.27	3272	5284	.321	ng/ml	100
17)	~~#Methoxychlor~~	30.90	3708	125208	9.30	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	777322	16.65	ng/ml	100
23)	~~#Aroclor-1016(1)~~ ND	11.92	1431	9662	7.82	ng/ml	100
24)	~~#Aroclor-1221(1)~~ ND	7.55	906	54615	69.06	ng/ml	100
25)	~~#Aroclor-1232(1)~~ ND	7.55	906	54615	45.86	ng/ml	100
26)	~~#Aroclor-1242(1)~~ ND	11.92	1431	9662	9.13	ng/ml	100
27)	~~#Aroclor-1248(1)~~ ND	13.87	1665	7322	6.65	ng/ml	100
29)	~~#Aroclor-1260(1)~~ ND	23.59	2831	5312	2.30	ng/ml	100
34)	~~#Aroclor-1016(2)~~ ND	13.87	1665	7322	3.00	ng/ml	100
35)	~~#Aroclor-1016(3)~~ ND	15.82	1898	31438	8.10	ng/ml	100
36)	~~#Aroclor-1016(4)~~ ND	16.45	1974	25433	17.46	ng/ml	100
37)	~~#Aroclor-1016(5)~~ ND	18.67	2240	72433	35.15	ng/ml	100
39)	~~#Aroclor-1221(3)~~ ND	11.92	1431	9662	5.63	ng/ml	100
40)	~~#Aroclor-1232(2)~~ ND	11.92	1431	9662	8.25	ng/ml	100
41)	~~#Aroclor-1232(3)~~ ND	13.87	1665	7322	7.11	ng/ml	100
42)	~~#Aroclor-1232(4)~~ ND	15.82	1898	31438	20.12	ng/ml	100
43)	~~#Aroclor-1242(2)~~ ND	13.87	1665	7322	3.69	ng/ml	100
44)	~~#Aroclor-1242(3)~~ ND	15.82	1898	31438	10.20	ng/ml	100
45)	~~#Aroclor-1242(4)~~ ND	16.45	1974	25433	22.25	ng/ml	100
47)	~~#Aroclor-1248(2)~~ ND	15.82	1898	31438	12.03	ng/ml	100
48)	~~#Aroclor-1248(3)~~ ND	18.67	2240	72433	29.40	ng/ml	100
54)	~~#Aroclor-1254(5)~~ ND	23.59	2831	5312	3.92	ng/ml	100

Compound uses ESTD

EPrui 7/8/96



Data File: >04150::G5 Quant Output File: ^04150::F3
Name: PBLK34 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 14:26
Injected at: 960706 13:35

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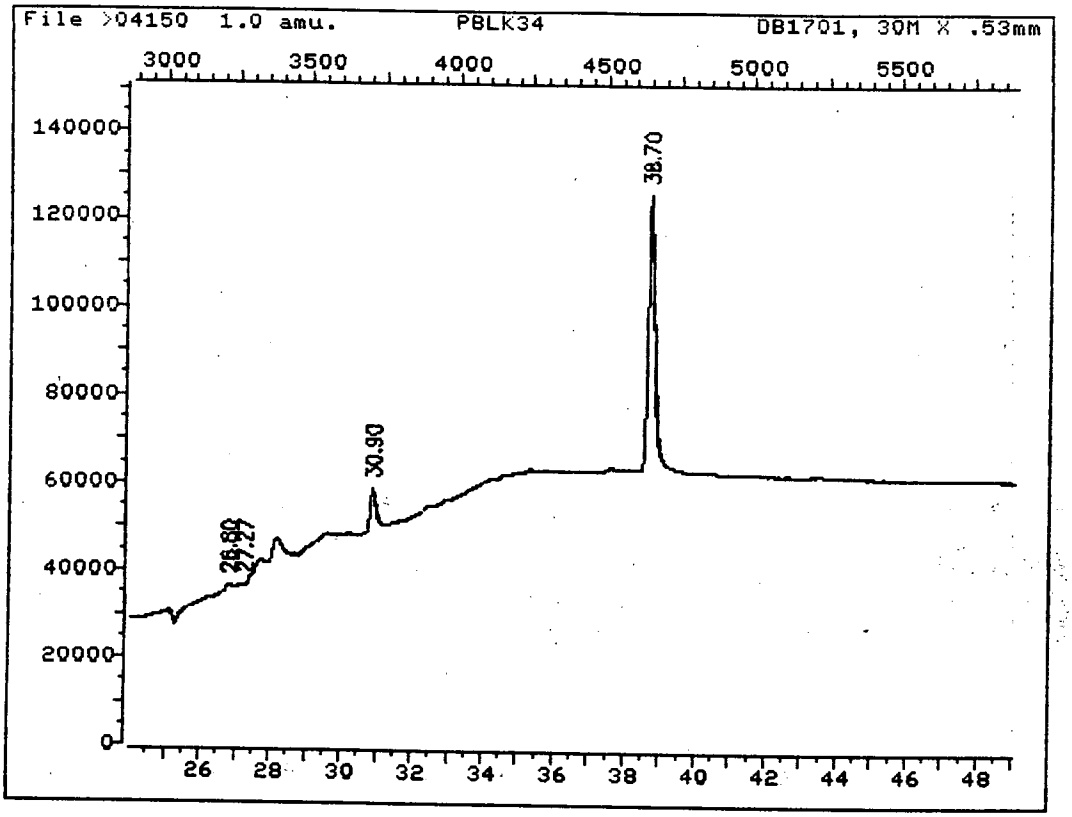
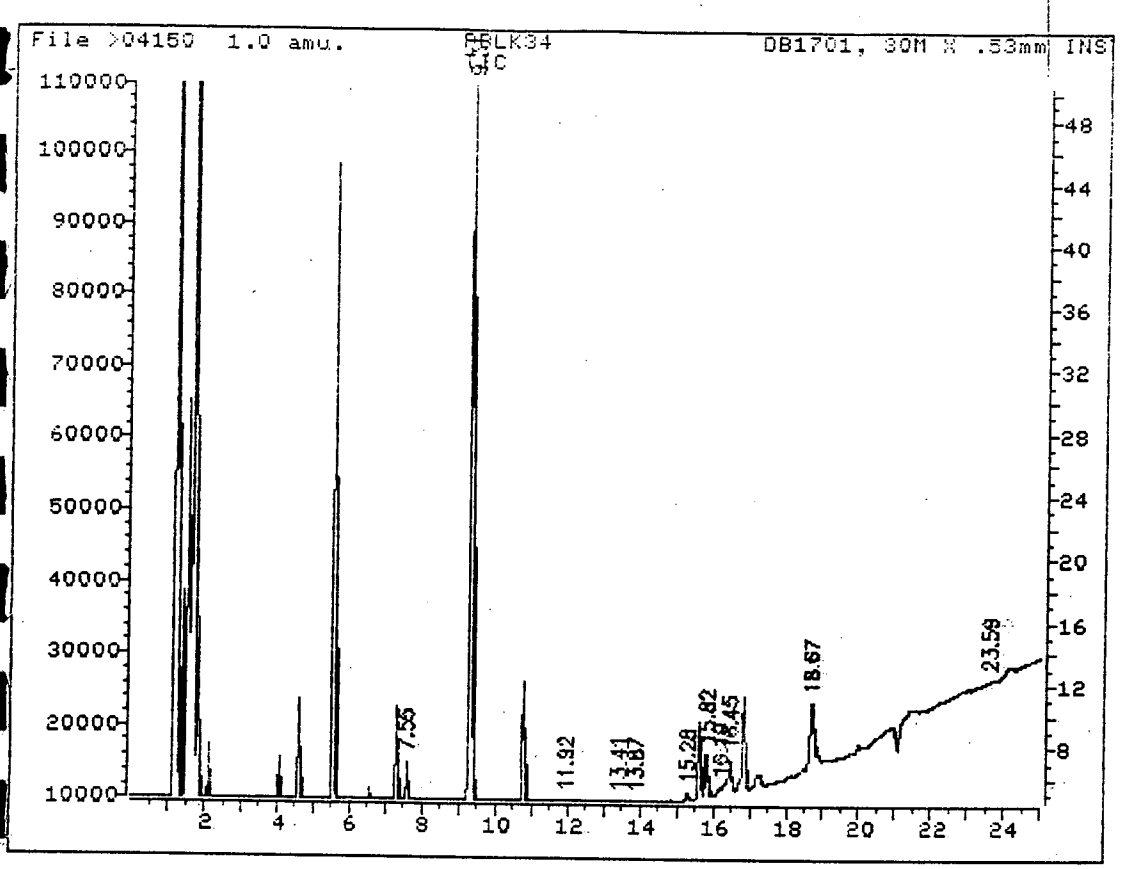


Data File: >04150::G5 Quant Output File: ^04150::F3
Name: PBLK34 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 14:26
Injected at: 960706 13:35

Page 2 of 2



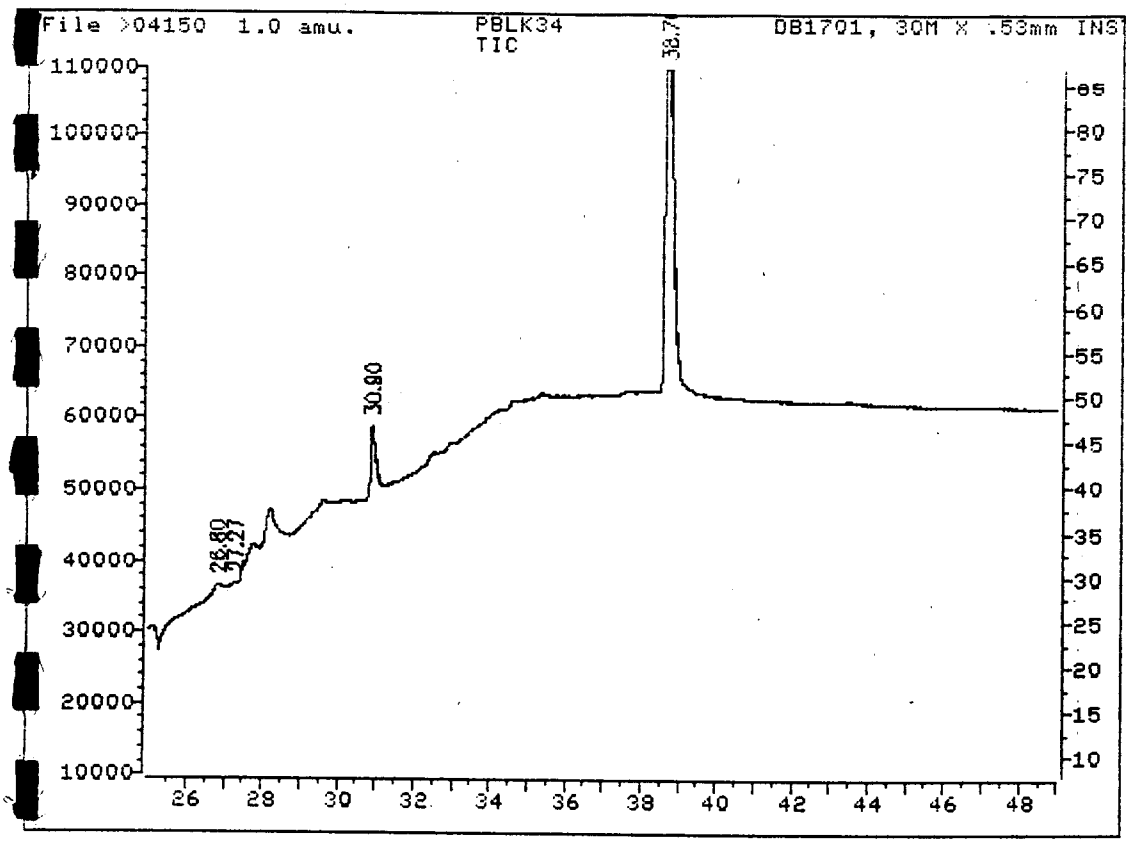
:RU,MSH

MS data file header from : >04150::G5

Sample: PBLK34 Operator: TRFIL 7/06/96 13:35
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

:RU,AL,,1



:RU.MSH

MS data file header from : >04150::G5

Sample: PBLK34 Operator: TRFIL 7/06/96 13:35
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

:RU.AL..1

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK43

Lab Name: ICM Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: PBLK43

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03313

% Moisture: 0. decanted: (Y/N) Date Received: 00/00/00

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

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

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan Sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17.	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170.	U
12674-11-2	Aroclor-1016	33.	U
11104-28-2	Aroclor-1221	66.	U
11141-16-5	Aroclor-1232	33.	U
53469-21-9	Aroclor-1242	33.	U
12672-29-6	Aroclor-1248	33.	U
11097-69-1	Aroclor-1254	33.	U
11096-82-5	Aroclor-1260	33.	U

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 08:56
Output File: ^03313::GQ Injected at: 960714 06:11
Data File: >03313::F3 Dilution Factor: 1.00000
Name: PBLK48 Instrument ID: GC03
Desc: 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	3336489	27.89	ng/ml	100
2) ~~#alpha-BHC~~	12.30	1476	47804	.321	ng/ml	100
3) ~~#beta-BHC~~	14.71	1765	126011	1.54	ng/ml	100
4) ~~#delta-BHC~~	16.49	1979	7188	.0559	ng/ml	100
5) ~~#gamma-BHC (Lindane)~~	14.44	1733	189859	1.37	ng/ml	100
6) ~~#Heptachlor~~	15.93	1912	36974	.352	ng/ml	100
7) ~~#Aldrin~~	17.53	2104	70004	.524	ng/ml	100
8) ~~#Heptachlor epoxide~~	19.95	2394	30819	.247	ng/ml	100
9) ~~#Endosulfan I~~	21.45	2574	249122	2.35	ng/ml	100
10) ~~#Dieldrin~~	23.01	2761	230826	2.45	ng/ml	100
11) ~~#4,4'-DDE~~	22.70	2724	125240	1.36	ng/ml	100
12) ~~#Endrin~~	24.85	2982	629672	7.20	ng/ml	100
13) ~~#Endosulfan II~~	25.88	3105	36176	.366	ng/ml	100
14) ~~#4,4'-DDD~~	25.50	3060	336324	5.45	ng/ml	100
15) ~~#Endosulfan Sulfate~~	28.26	3391	271208	3.08	ng/ml	100
16) ~~#4,4'-DDT~~	27.12	3254	248373	3.66	ng/ml	100
18) ~~#Endrin ketone~~	32.70	3924	5440	.0587	ng/ml	100
19) #Decachlorobiphenyl	41.65	4998	3901175	33.74	ng/ml	100
20) ~~#alpha-Chlordane~~ NT	21.45	2574	249122	2.07	ng/ml	100
21) ~~#gamma-Chlordane~~ NT	20.83	2500	248092	2.05	ng/ml	100
22) ~~#Toxaphene(1)~~ NT	23.53	2823	404725	253.30	ng/ml	100
23) ~~#Aroclor-1016(1)~~ NP	12.30	1476	47804	16.73	ng/ml	100
24) ~~#Aroclor-1221(1)~~ NP	7.97	956	7407	8.62	ng/ml	100
25) ~~#Aroclor-1232(1)~~ NP	12.30	1476	47804	17.76	ng/ml	100
26) ~~#Aroclor-1242(1)~~ NP	12.30	1476	47804	19.70	ng/ml	100
27) ~~#Aroclor-1248(1)~~ NP	15.93	1912	62091	8.24	ng/ml	100
28) ~~#Aroclor-1254(1)~~ NP	20.83	2500	256775	51.61	ng/ml	100
29) ~~#Aroclor-1260(1)~~ NP	24.39	2927	191271	29.88	ng/ml	100
30) ~~#Endrin aldehyde~~ NT	27.66	3319	8677	.107	ng/ml	100
31) ~~#Toxaphene(2)~~ NT	27.66	3319	8677	5.19	ng/ml	100
32) ~~#Toxaphene(3)~~ NT	28.26	3391	271208	127.87	ng/ml	100
33) ~~#Aroclor-1016(2)~~ NP	14.44	1733	189859	32.70	ng/ml	100
34) ~~#Aroclor-1016(3)~~ NP	15.93	1912	62091	5.56	ng/ml	100
35) ~~#Aroclor-1016(4)~~ NP	16.82	2019	18548	4.82	ng/ml	100
36) ~~#Aroclor-1016(5)~~ NP	19.01	2281	63863	18.88	ng/ml	100
37) ~~#Aroclor-1221(2)~~ NP	12.30	1476	47804	12.90	ng/ml	100
38) ~~#Aroclor-1232(2)~~ NP	14.44	1733	189859	67.63	ng/ml	100
39) ~~#Aroclor-1232(3)~~ NP	15.93	1912	62091	13.30	ng/ml	100
40) ~~#Aroclor-1232(4)~~ NP	16.82	2019	18548	10.61	ng/ml	100
41) ~~#Aroclor-1242(2)~~ NP	14.44	1733	189859	41.01	ng/ml	100

NT

MM 7/26/96

QUANT REPORT

Operator ID: TRFIZ
Output File: ^03313::GQ
Data File: >03313::F3
Name: PBLK43
Desc: DB608. 30M X .53m INST 38903. 1ul INJ

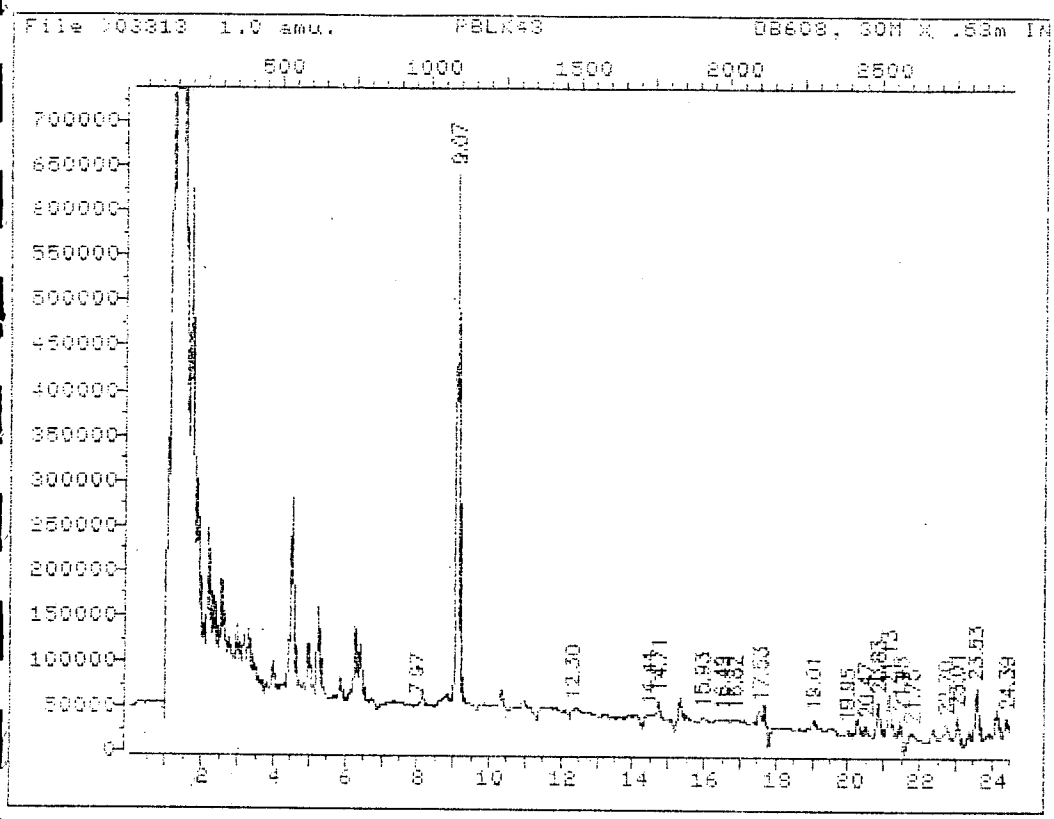
Quant Rev: 7
Quant Time: 960715 08:56
Injected at: 960714 06:11
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP5::SC
Table: Capillary Column DB 608
Last Calibration: 941029 10:07
Last Qcal Time: 960715 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
44) #Aroclor-1242(3) NP	15.93	1912	62091	7.00	ng/ml	100
45) #Aroclor-1242(4) NP	16.82	2019	18548	5.60	ng/ml	100
46) #Aroclor-1242(5) NP	19.01	2281	63863	21.83	ng/ml	100
47) #Aroclor-1248(2) NP	17.53	2104	70004	21.92	ng/ml	100
48) #Aroclor-1248(3) NP	19.01	2281	63863	15.52	ng/ml	100
49) #Aroclor-1248(4) NP	20.47	2456	94363	22.97	ng/ml	100
50) #Aroclor-1248(5) NP	21.75	2610	368552	84.15	ng/ml	100
51) #Aroclor-1254(2) NP	21.13	2536	351355	59.88	ng/ml	100
52) #Aroclor-1254(3) NP	22.70	2724	125240	67.80	ng/ml	100
53) #Aroclor-1254(4) NP	23.53	2823	393074	60.82	ng/ml	100
54) #Aroclor-1254(5) NP	24.85	2982	629672	172.30	ng/ml	100
55) #Aroclor-1260(2) NP	24.85	2982	629672	88.38	ng/ml	100
56) #Aroclor-1260(3) NP	26.54	3185	185628	40.32	ng/ml	100
57) #Aroclor-1260(4) NP	30.15	3618	53038	4.84	ng/ml	100
58) #Aroclor-1260(5) NP	32.93	3951	31453	6.38	ng/ml	100

Compound uses ESTD

7/26/96

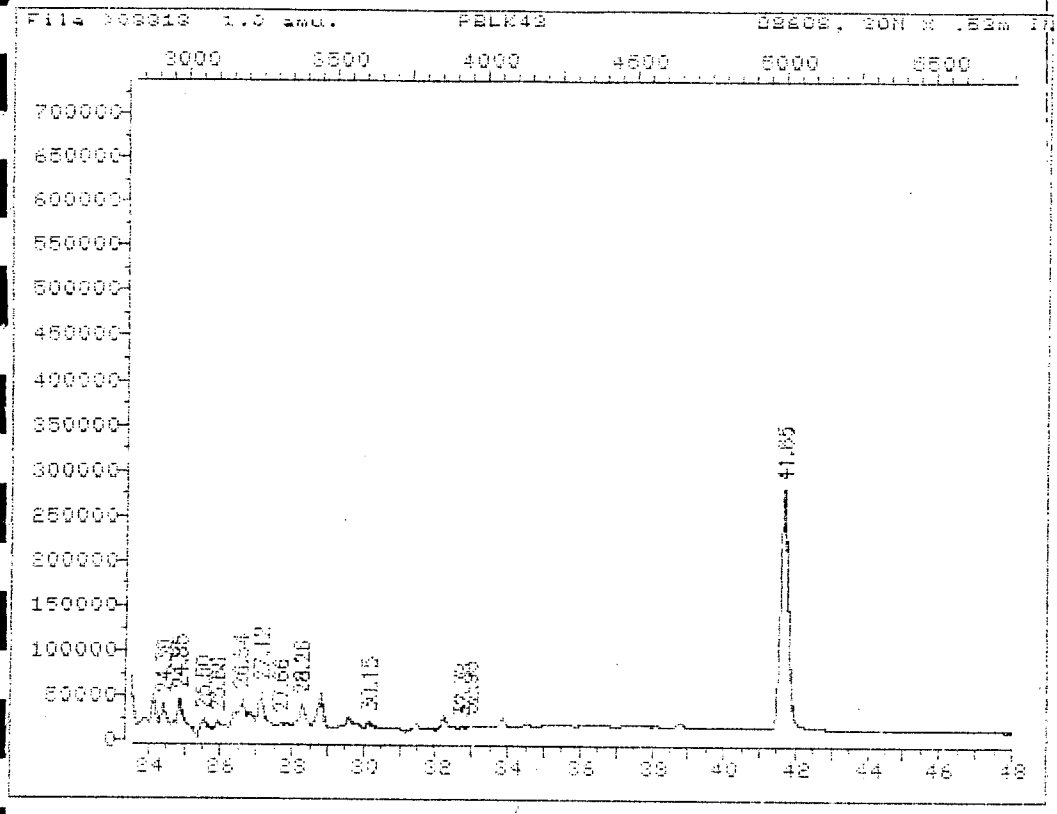


Data File: >03313::F3 Quant Output File: ^03313::GQ
Name: PBLK43 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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 08:56
Injected at: 960714 06:11

Page 1 of 2

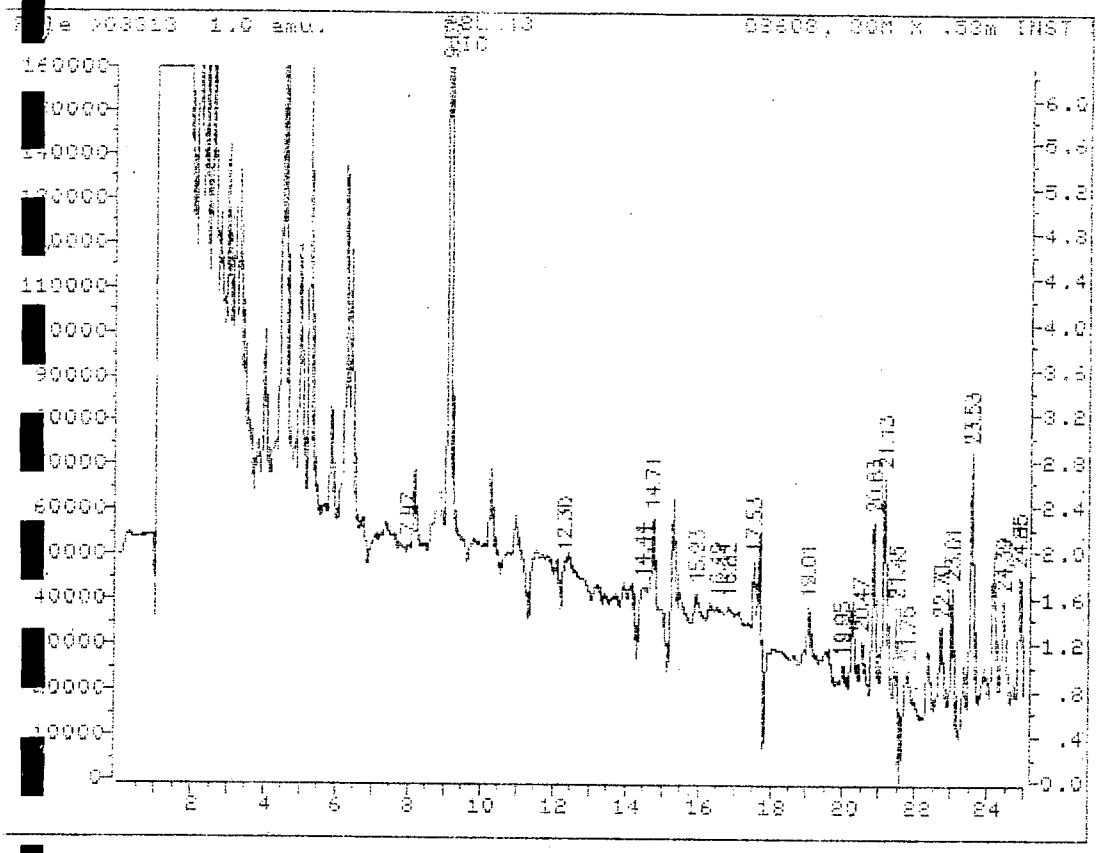


Data File: >03313::F3 Quant Output File: ^03313::GQ
Name: PBLK43 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58905, 1ul INJ

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 08:56
Injected at: 960714 06:11

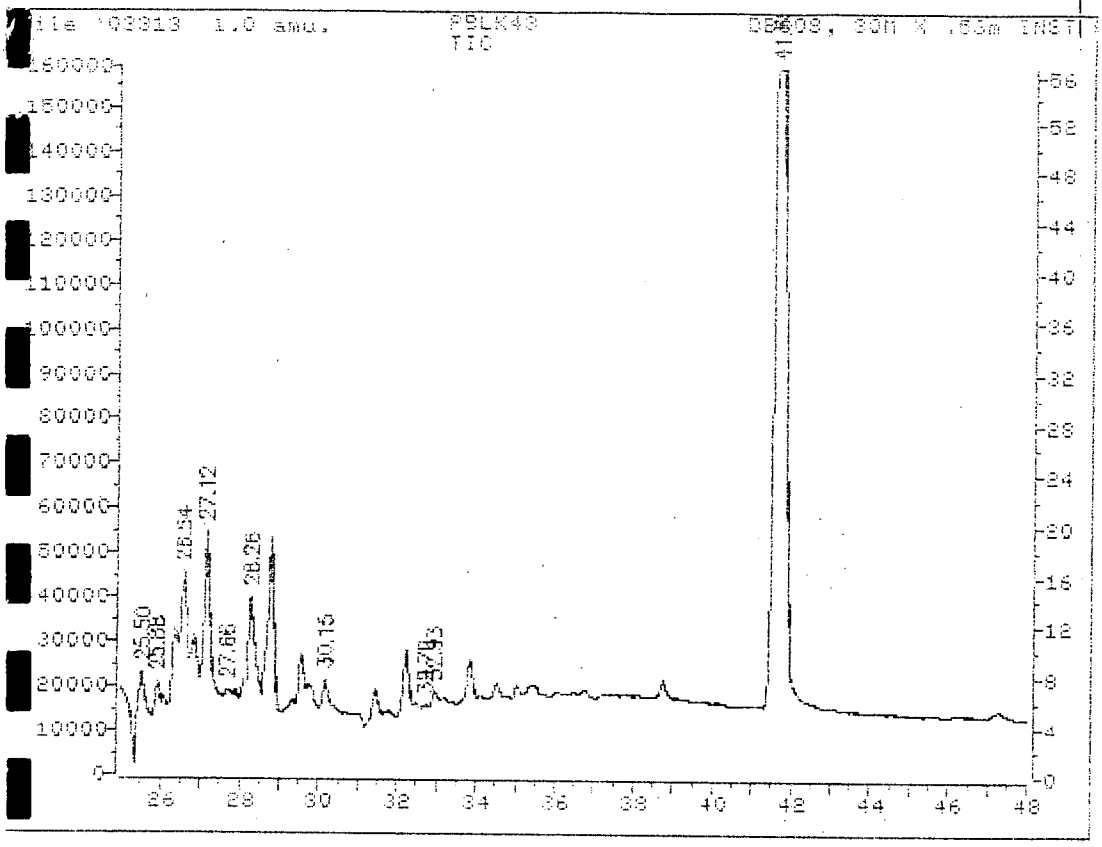
Page 2 of 2



MS data file header from : >03313::F3

Sample: PBLK43 Operator: TRFI2 7/14/96 6:11
Misc : DB608, 30M X .53m INST 59903, 1ul INJ
Ms. #: 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 : >03313::F3

Sample: PBLK43 Operator: TRFI2 7/14/96 6:11
Disc : DB608. 30M X .55m 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: TRFIZ
Output File: ^04313::GQ
Data File: >04313::G1
Name: °BLK43
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 09:22
Injected at: 960714 06:12
Dilution Factor: 1.00000
Instrument ID: GC04

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07
Last Qcal Time: 960715 22:00

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.31	1117	1278131	31.24	ng/ml	100
~~2) #alpha-BHC~~	13.34	1601	7110	.218	ng/ml	100
~~3) #beta-BHC~~	18.68	2241	60053	2.39	ng/ml	100
~~5) #gamma-BHC (Lindane)~~	15.28	1834	5673	.167	ng/ml	100
~~6) #Heptachlor~~	16.32	1958	20344	.435	ng/ml	100
~~7) #Aldrin~~	17.46	2095	74775	2.00	ng/ml	100
~~10) #Dieldrin~~	23.38	2806	19412	.605	ng/ml	100
~~11) #4,4'-DDE~~	22.62	2714	63307	2.24	ng/ml	100
~~12) #Endrin~~	24.30	2916	97987	3.37	ng/ml	100
~~13) #Endosulfan II~~	26.62	3194	134592	3.93	ng/ml	100
~~14) #4,4'-DDD~~	26.62	3194	95880	4.99	ng/ml	100
~~16) #4,4'-DDT~~	27.49	3298	14838	.849	ng/ml	100
~~17) #Methoxychlor~~	30.89	3707	38601	2.88	ng/ml	100
~~18) #Endrin ketone~~	32.91	3949	7030	.222	ng/ml	100
19) #Decachlorobiphenyl	38.69	4643	1566291	34.15	ng/ml	100
~~20) #alpha-Chlordane~~ NT	22.23	2667	48030	1.15	ng/ml	100
~~21) #gamma-Chlordane~~ NT	21.98	2638	8898	.222	ng/ml	100
~~23) #Aroclor-1016(1)~~ NP	11.93	1432	5737	4.74	ng/ml	100
~~24) #Aroclor-1221(1)~~ NP	7.56	907	220999	289.11	ng/ml	100
~~25) #Aroclor-1232(1)~~ NP	7.56	907	220999	200.21	ng/ml	100
~~26) #Aroclor-1242(1)~~ NP	11.93	1432	5737	5.58	ng/ml	100
~~28) #Aroclor-1254(1)~~ NP	17.46	2095	74775	47.16	ng/ml	100
~~29) #Aroclor-1260(1)~~ NP	23.78	2853	90135	36.32	ng/ml	100
~~30) #Endrin aldehyde~~ NT	28.69	3442	6641	.207	ng/ml	100
~~31) #Toxaphene(2)~~ NT	29.44	3413	30107	44.46	ng/ml	100
~~33) #Toxaphene(4)~~ NT	31.65	3798	28365	54.73	ng/ml	100
~~35) #Aroclor-1016(3)~~ NP	15.99	1919	28606	7.12	ng/ml	100
~~36) #Aroclor-1016(4)~~ NP	16.47	1976	23163	15.59	ng/ml	100
~~37) #Aroclor-1016(5)~~ NP	18.56	2227	39023	19.97	ng/ml	100
~~39) #Aroclor-1221(3)~~ NP	11.93	1432	5737	3.38	ng/ml	100
~~40) #Aroclor-1232(2)~~ NP	11.93	1432	5737	5.05	ng/ml	100
~~42) #Aroclor-1232(4)~~ NP	15.99	1919	28606	17.57	ng/ml	100
~~44) #Aroclor-1242(3)~~ NP	15.99	1919	28606	9.07	ng/ml	100
~~45) #Aroclor-1242(4)~~ NP	16.47	1976	23163	20.24	ng/ml	100
~~46) #Aroclor-1242(5)~~ NP	17.46	2095	74775	87.47	ng/ml	100
~~47) #Aroclor-1248(2)~~ NP	15.99	1919	28606	10.59	ng/ml	100
~~48) #Aroclor-1248(3)~~ NP	18.56	2227	39023	16.12	ng/ml	100
~~49) #Aroclor-1248(4)~~ NP	18.98	2278	14173	7.76	ng/ml	100
~~50) #Aroclor-1248(5)~~ NP	20.29	2435	114822	100.65	ng/ml	100
~~51) #Aroclor-1254(2)~~ NP	20.29	2435	114822	53.44	ng/ml	100

NT
MM 7/26/96

MM 7/26/96

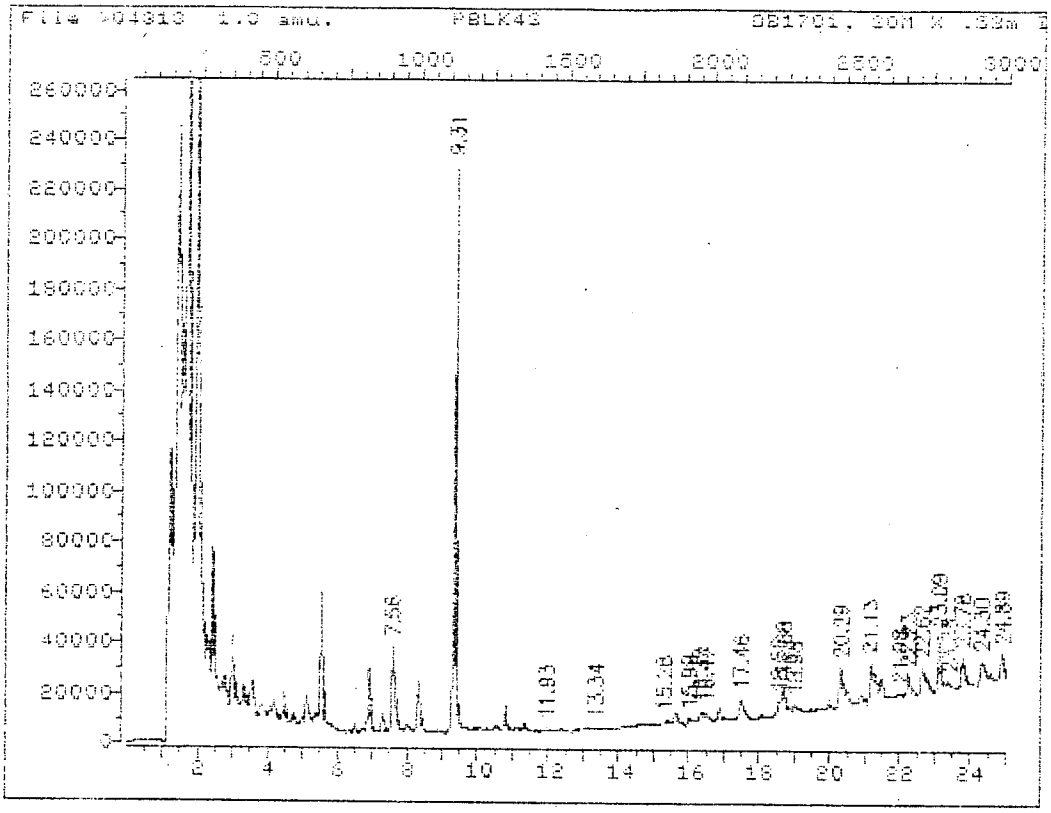
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:22
Output File: >04313::G0 Injected at: 960714 06:12
Data File: >04313::G1 Dilution Factor: 1.00000
Name: PBLK43 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 99903, 1ul INJ

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
~~52) #Aroclor-1254(3)~~ ND	21.13	2535	92259	50.21	ng/ml	100
~~53) #Aroclor-1254(4)~~ ND	23.09	2771	153002	58.90	ng/ml	100
~~54) #Aroclor-1254(5)~~ ND	23.78	2853	90135	63.37	ng/ml	100
~~55) #Aroclor-1260(2)~~ ND	24.89	2987	138169	48.40	ng/ml	100
~~56) #Aroclor-1260(3)~~ NP	28.44	3413	30107	18.10	ng/ml	100
~~57) #Aroclor-1260(4)~~ NP	30.08	3609	33130	7.75	ng/ml	100

Compound uses ESTD

JMo 7/26/96



Data File: >04313::G1 Quant Output File: >04313::GQ
Name: PBLK43 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 09:22
Injected at: 960714 06:12

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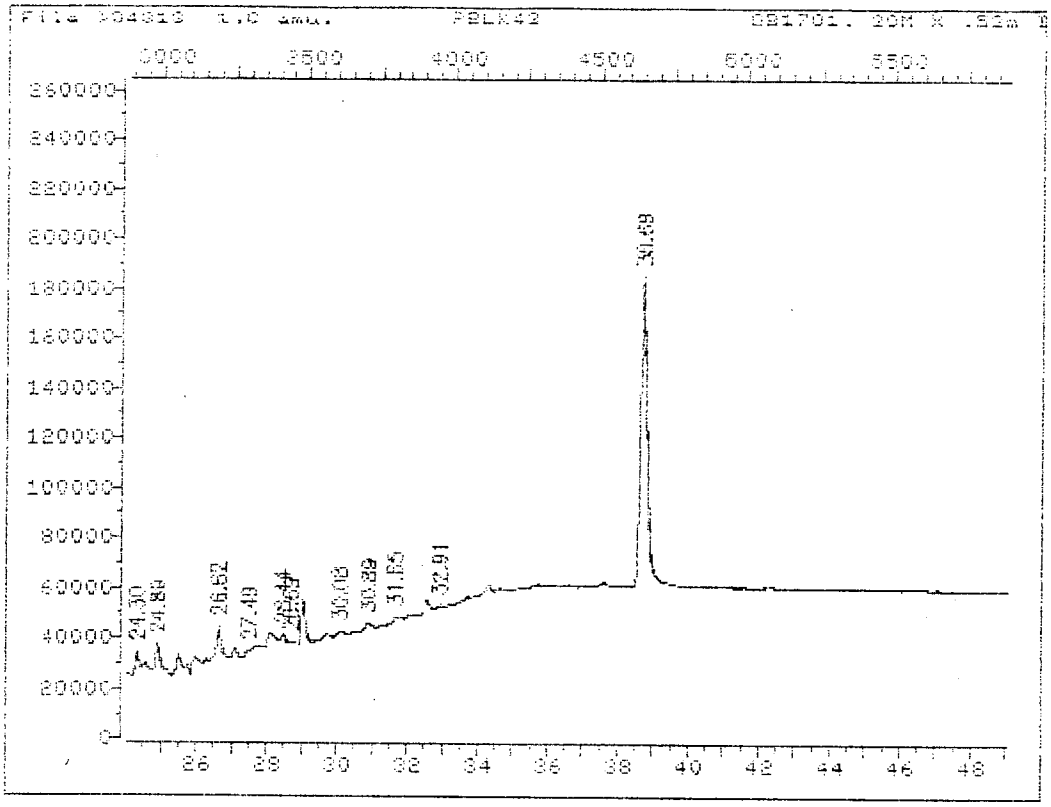
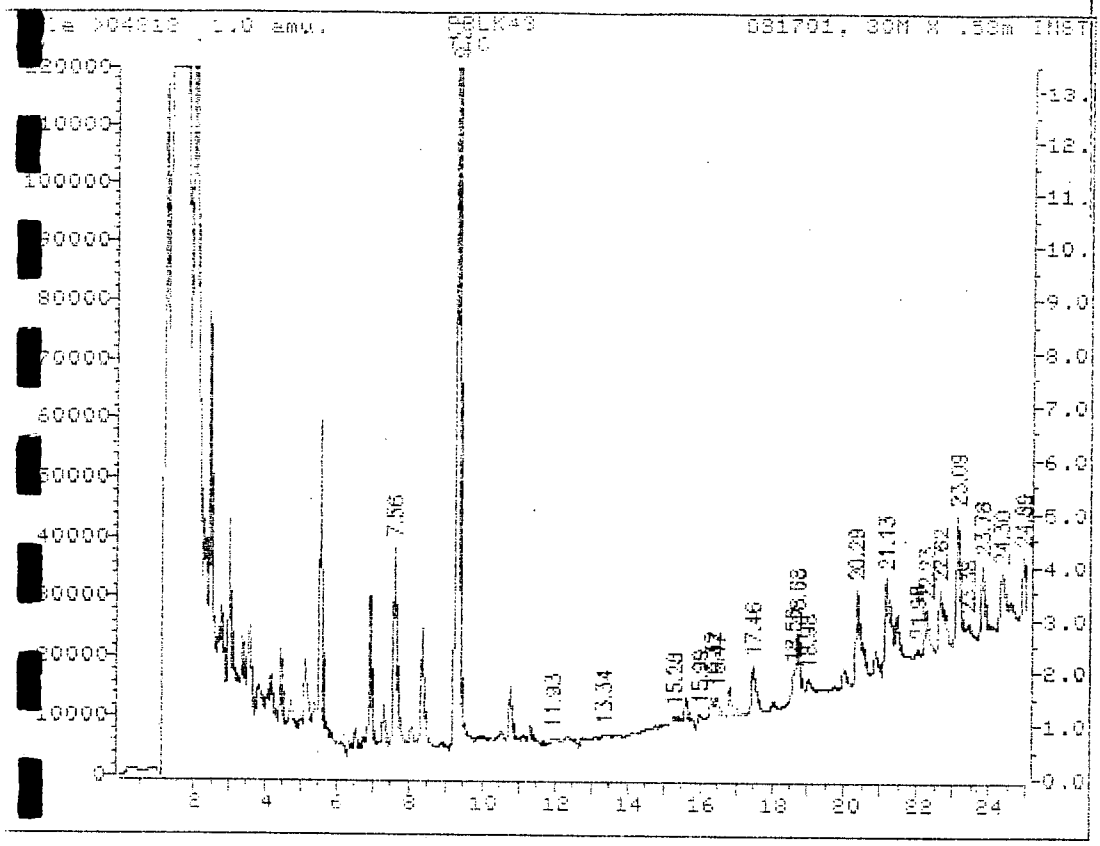


Data File: >04313::G1 Quant Output File: ^04313::GQ
Name: PBLK43 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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 09:22
Injected at: 960714 06:12

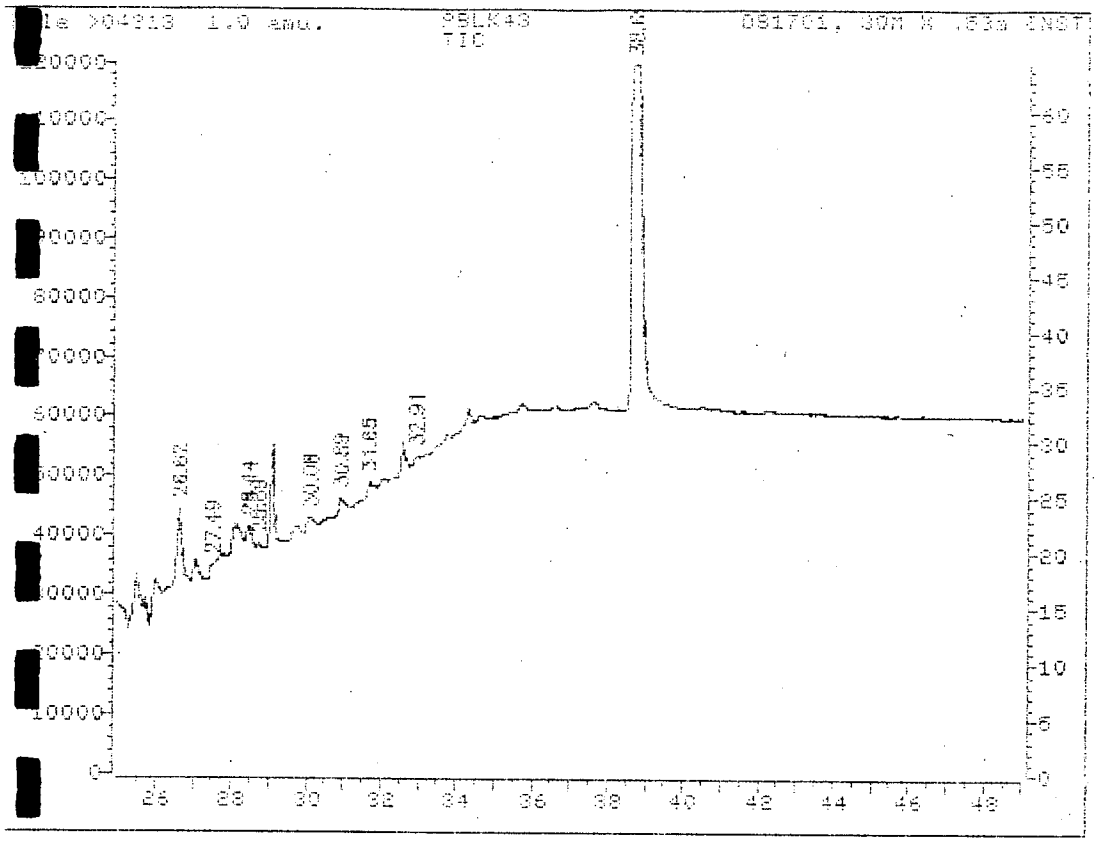
Page 2 of 2



MS data file header from : >04313::G1

ample: PBLK43 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::61

mple: PBLK43 Operator: TRFI2 7/14/96 6:12
sc : 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.

PBLK33

Lab Name: ICM Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: PBLK33

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03350

% Moisture: 0. decanted: (Y/N) N Date Received: 00/00/00

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

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

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.2	U
72-55-9	4,4'-DDE	3.2	U
72-20-8	Endrin	3.2	U
33213-65-9	Endosulfan II	3.2	U
72-54-8	4,4'-DDD	3.2	U
1031-07-8	Endosulfan Sulfate	3.2	U
50-29-3	4,4'-DDT	3.2	U
72-43-5	Methoxychlor	17.	U
53494-70-5	Endrin ketone	3.2	U
7421-93-4	Endrin aldehyde	3.2	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170.	U
12674-11-2	Aroclor-1016	32.	U
11104-28-2	Aroclor-1221	66.	U
11141-16-5	Aroclor-1232	32.	U
53469-21-9	Aroclor-1242	32.	U
12672-29-6	Aroclor-1248	32.	U
11097-69-1	Aroclor-1254	32.	U
11096-82-5	Aroclor-1260	32.	U

QUANT REPORT

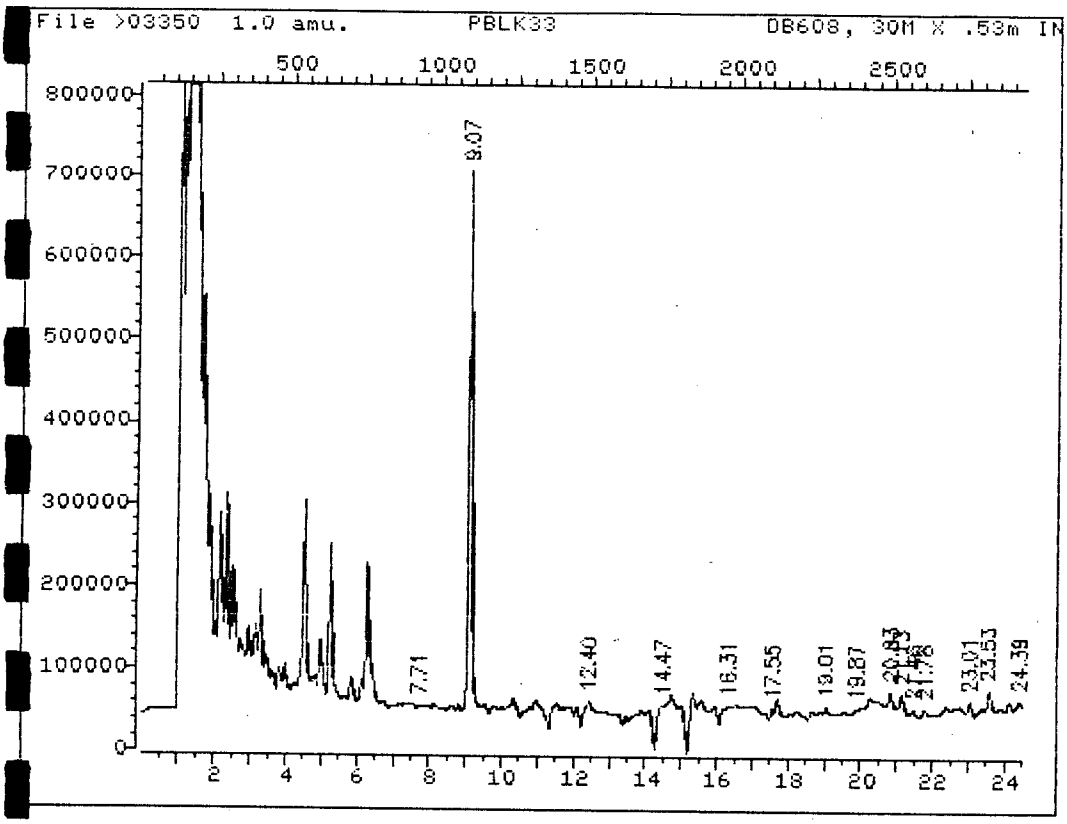
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 17:08
Output File: ^03350::GQ Injected at: 960715 16:16
Data File: >03350::F3 Dilution Factor: 1.00000
Name: PBLK33 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Method 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	3884013	32.47	ng/ml	100
~~2) #alpha-BHC~~ NT	12.40	1488	648895	4.35	ng/ml	100
~~3) #delta-BHC~~	16.31	1957	343185	2.67	ng/ml	100
~~4) #gamma-BHC (Lindane)~~	14.47	1737	553427	3.99	ng/ml	100
~~7) #Aldrin~~	17.55	2106	73349	.549	ng/ml	100
~~8) #Heptachlor epoxide~~	19.87	2384	34672	.278	ng/ml	100
~~9) #Endosulfan I~~	21.46	2575	59326	.559	ng/ml	100
~~10) #Dieldrin~~	23.01	2761	112041	1.19	ng/ml	100
~~11) #4,4'-DDE~~ NT	23.01	2761	112041	1.21	ng/ml	100
~~12) #4,4'-DDD~~	25.50	3060	570936	9.25	ng/ml	100
~~15) #Endosulfan Sulfate~~	28.26	3391	145673	1.66	ng/ml	100
~~16) #4,4'-DDT~~	27.13	3255	116520	1.72	ng/ml	100
~~17) #Methoxychlor~~	32.59	3910	55417	1.39	ng/ml	100
~~18) #Endrin ketone~~	32.59	3910	55417	.598	ng/ml	100
19) #Decachlorobiphenyl	41.65	4998	4107260	35.52	ng/ml	100
~~20) #alpha-Chlordane~~ NT	21.46	2575	59326	.492	ng/ml	100
~~21) #gamma-Chlordane~~ NT	20.83	2500	138880	1.15	ng/ml	100
~~22) #Toxaphene(1)~~ NT	23.53	2823	188238	117.81	ng/ml	100
~~23) #Aroclor-1016(1)~~ NP	12.40	1488	648895	227.14	ng/ml	100
~~24) #Aroclor-1221(1)~~ NP	7.71	925	7552	8.78	ng/ml	100
~~25) #Aroclor-1232(1)~~ NP	12.40	1488	648895	241.09	ng/ml	100
~~26) #Aroclor-1242(1)~~ NP	12.40	1488	648895	267.42	ng/ml	100
~~27) #Aroclor-1254(1)~~ NP	20.83	2500	132988	26.73	ng/ml	100
~~28) #Aroclor-1260(1)~~ NP	24.39	2927	84394	13.18	ng/ml	100
~~32) #Toxaphene(3)~~ NT	28.26	3391	145673	68.68	ng/ml	100
~~33) #Aroclor-1016(2)~~ NP	14.47	1737	553427	95.31	ng/ml	100
~~34) #Aroclor-1016(5)~~ NP	19.01	2281	60523	17.89	ng/ml	100
~~39) #Aroclor-1221(3)~~ NP	12.40	1488	648895	175.04	ng/ml	100
~~40) #Aroclor-1232(2)~~ NP	14.47	1737	553427	197.14	ng/ml	100
~~41) #Aroclor-1242(2)~~ NP	14.47	1737	553427	119.55	ng/ml	100
~~46) #Aroclor-1242(5)~~ NP	19.01	2281	60523	20.69	ng/ml	100
~~47) #Aroclor-1248(2)~~ NP	17.55	2106	73349	22.97	ng/ml	100
~~48) #Aroclor-1248(3)~~ NP	19.01	2281	60523	14.71	ng/ml	100
~~50) #Aroclor-1248(5)~~ NP	21.78	2614	82416	18.82	ng/ml	100
~~51) #Aroclor-1254(2)~~ NP	21.13	2536	195165	33.26	ng/ml	100
~~52) #Aroclor-1254(4)~~ NP	23.53	2823	179224	27.73	ng/ml	100

Compound uses ESTD

7/21/96



Data File: >03350::F3 Quant Output File: ^03350::GQ
Name: PBLK33 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 17:08
Injected at: 960715 16:16

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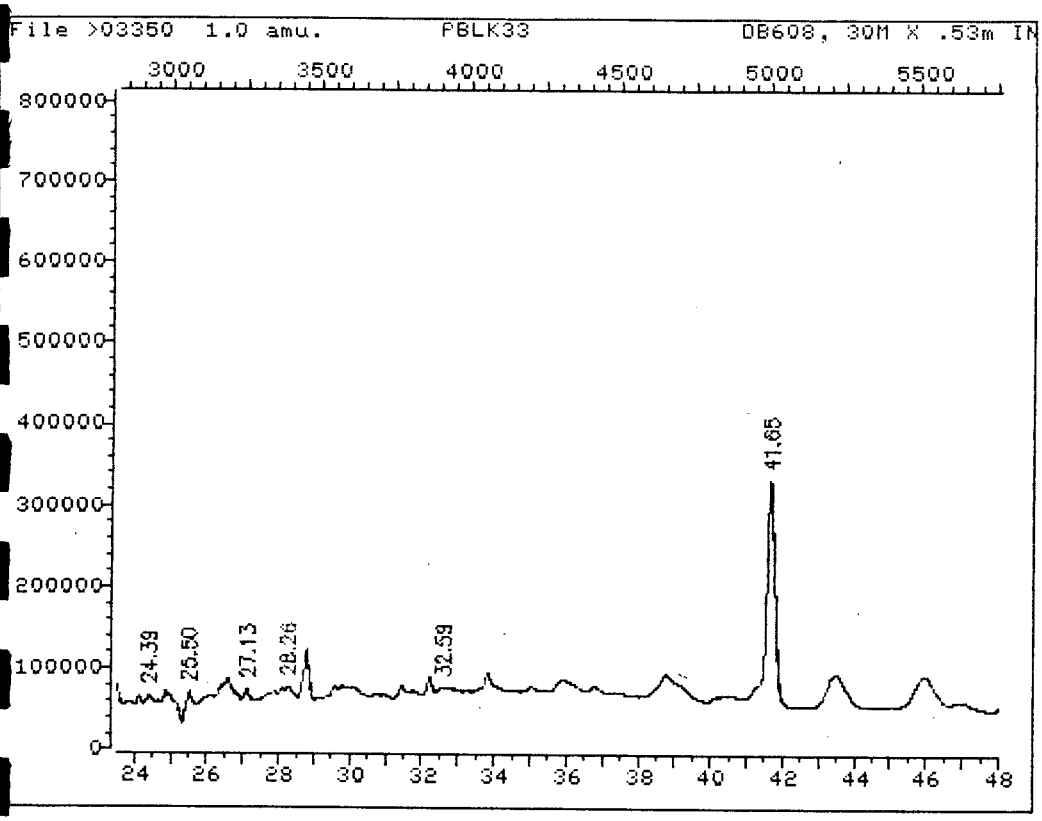
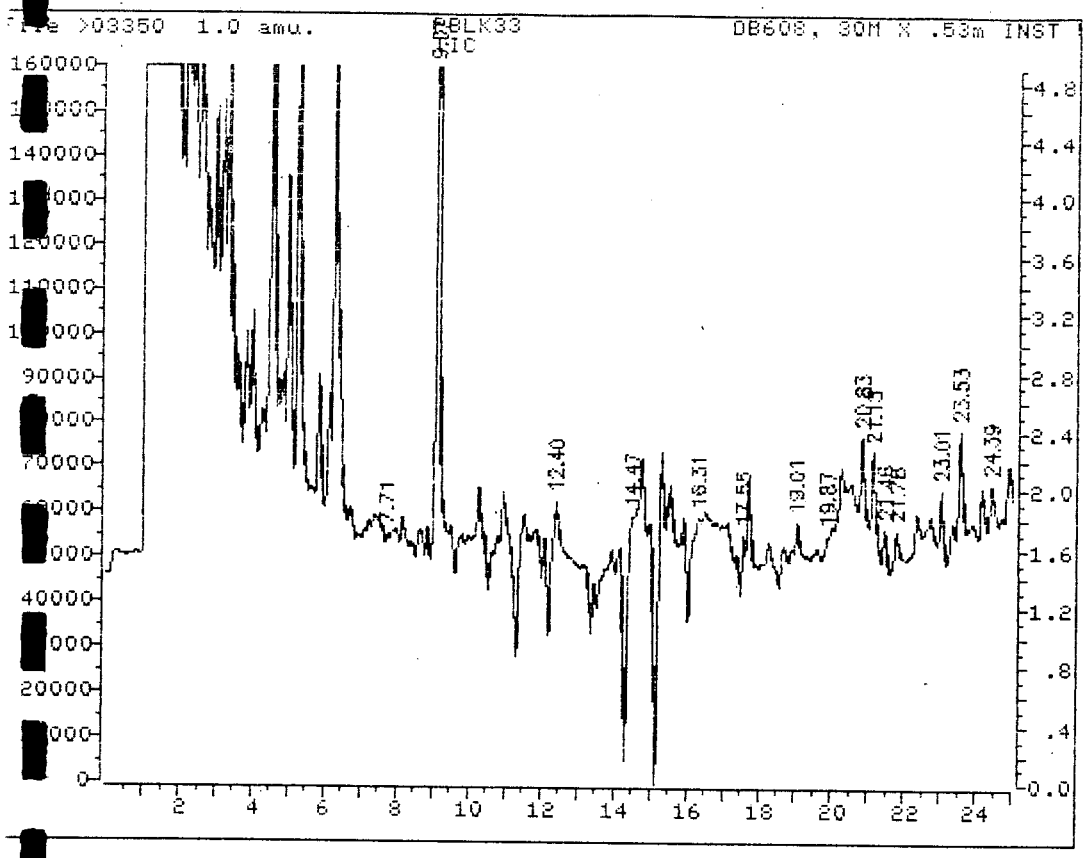


Data File: >03350::F3 Quant Output File: ^03350::GQ
Name: PBLK33 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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 17:08
Injected at: 960715 16:16

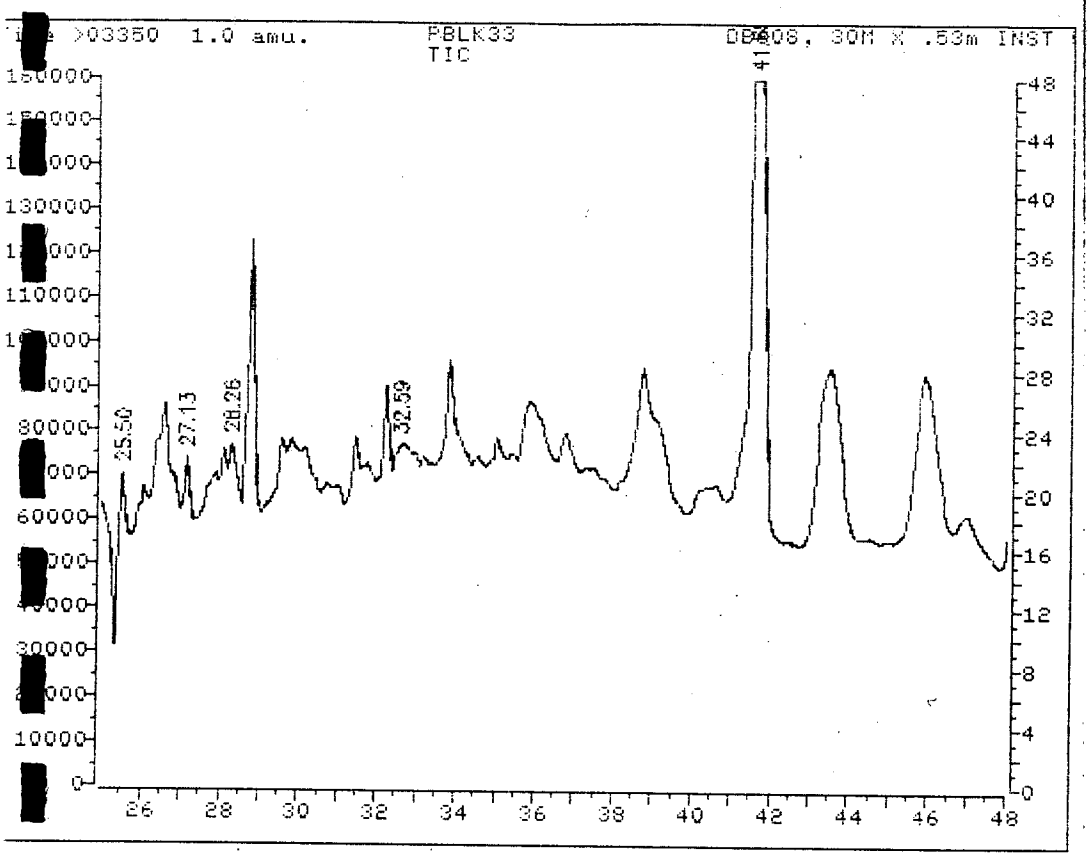
Page 2 of 2



data file header from : >03350::F3

Sample: PBLK33 Operator: TRFI2 7/15/96 16:16
Misc : DB608, 30M X .53m INST 58903, 1ul INJ
Ins. #: 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 : >03350::F3

Sample: PBLK33 Operator: TRFI2 7/15/96 16:16
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

Operator ID: TRFI2
Output File: ^04350::GQ
Data File: >04350::G1
Name: PBLK33
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

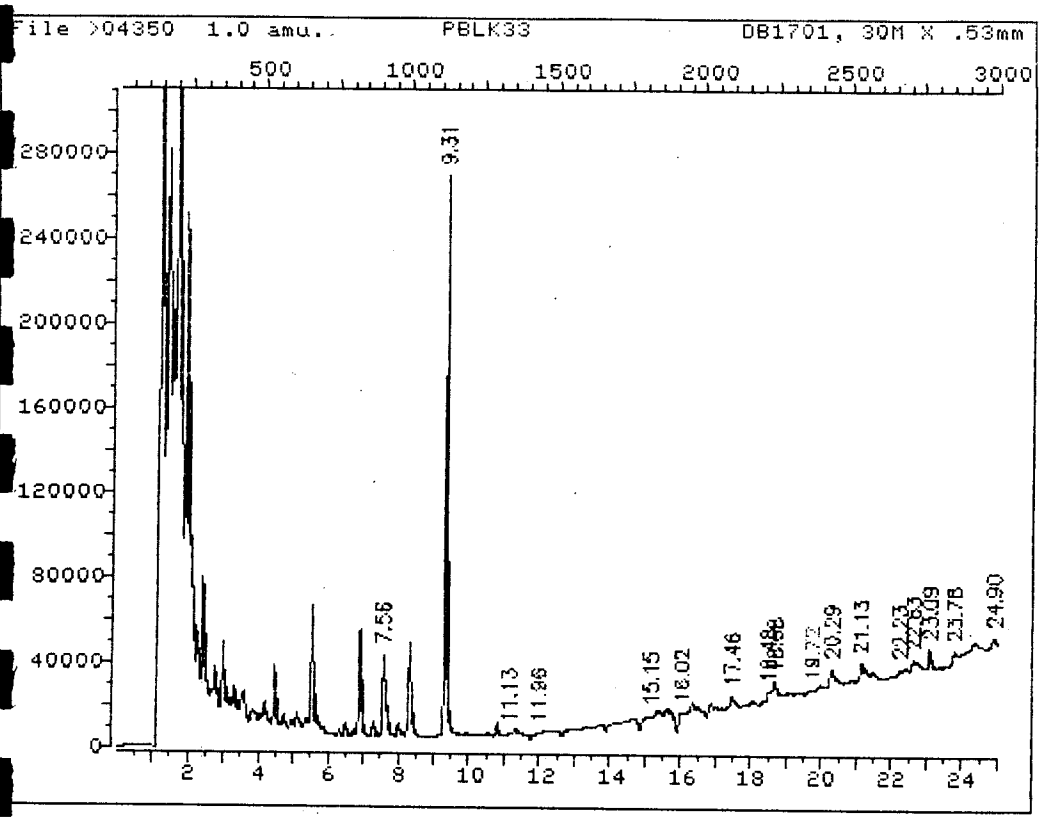
Quant Rev: 7
Quant Time: 960715 17:11
Injected at: 960715 16:17
Dilution Factor: 1.00000
Instrument ID: GC04

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	1398155	34.17	ng/ml	100
~~3) #beta-BHC~~	18.68	2241	32958	1.31	ng/ml	100
~~4) #delta-BHC~~	19.72	2366	20881	.796	ng/ml	100
~~5) #gamma-BHC (Lindane)~~	15.15	1818	105438	3.10	ng/ml	100
~~7) #Aldrin~~	17.46	2095	53896	1.44	ng/ml	100
~~1[illegible]) #4,4'-DDE~~	22.63	2715	32454	1.15	ng/ml	100
~~1[illegible]) #Endosulfan II~~	26.63	3195	43745	1.28	ng/ml	100
~~15) #Endosulfan Sulfate~~	30.48	3657	9593	.350	ng/ml	100
~~1[illegible]) #Methoxychlor~~ NT	30.89	3707	70997	5.30	ng/ml	100
1[illegible]) #Decachlorobiphenyl	38.69	4643	1771615	38.63	ng/ml	100
~~20) #alpha-Chlordane~~ NT	22.23	2668	26549	.637	ng/ml	100
~~23) #Aroclor-1016(1)~~ NP	11.96	1435	9946	8.21	ng/ml	100
~~2[illegible]) #Aroclor-1221(1)~~ NP	7.56	907	263465	344.66	ng/ml	100
~~25) #Aroclor-1232(1)~~ NP	7.56	907	263465	238.68	ng/ml	100
~~26) #Aroclor-1242(1)~~ NP	11.96	1435	9946	9.68	ng/ml	100
~~2[illegible]) #Aroclor-1254(1)~~ NP	17.46	2095	43832	27.64	ng/ml	100
~~2[illegible]) #Aroclor-1260(1)~~ NP	23.78	2854	68230	27.50	ng/ml	100
~~30) #Endrin aldehyde~~ NT	28.73	3447	11398	.355	ng/ml	100
~~3[illegible]) #Toxaphene(3)~~ NT	30.48	3657	9593	17.79	ng/ml	100
~~3[illegible]) #Toxaphene(4)~~ NT	31.65	3798	134676	259.84	ng/ml	100
~~35) #Aroclor-1016(3)~~ NP	16.02	1923	83562	20.79	ng/ml	100
~~37) #Aroclor-1016(5)~~ NP	18.48	2218	51234	26.22	ng/ml	100
~~3[illegible]) #Aroclor-1221(2)~~ NP	11.13	1336	6149	9.43	ng/ml	100
~~3[illegible]) #Aroclor-1221(3)~~ NP	11.96	1435	9946	5.87	ng/ml	100
~~40) #Aroclor-1232(2)~~ NP	11.96	1435	9946	8.76	ng/ml	100
~~4[illegible]) #Aroclor-1232(4)~~ NP	16.02	1923	83562	51.33	ng/ml	100
~~4[illegible]) #Aroclor-1242(3)~~ NP	16.02	1923	83562	26.51	ng/ml	100
~~46) #Aroclor-1242(5)~~ NP	17.46	2095	53896	63.05	ng/ml	100
~~47) #Aroclor-1248(2)~~ NP	16.02	1923	83562	30.94	ng/ml	100
~~4[illegible]) #Aroclor-1248(3)~~ NP	18.48	2218	51234	21.17	ng/ml	100
~~50) #Aroclor-1248(5)~~ NP	20.29	2435	59876	52.49	ng/ml	100
~~51) #Aroclor-1254(2)~~ NP	20.29	2435	58473	27.21	ng/ml	100
~~5[illegible]) #Aroclor-1254(3)~~ NP	21.13	2535	56631	30.82	ng/ml	100
~~5[illegible]) #Aroclor-1254(4)~~ NP	23.09	2771	57787	22.24	ng/ml	100
~~54) #Aroclor-1254(5)~~ NP	23.78	2854	68230	47.97	ng/ml	100
~~5[illegible]) #Aroclor-1260(2)~~ NP	24.90	2988	46324	16.23	ng/ml	100
~~5[illegible]) #Aroclor-1260(4)~~ NP	30.09	3611	19620	4.59	ng/ml	100

Compound uses ESTD

7/01/96



Data File: >04350::G1 Quant Output File: ^04350::GQ
Name: PBLK33 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 17:11
Injected at: 960715 16:17

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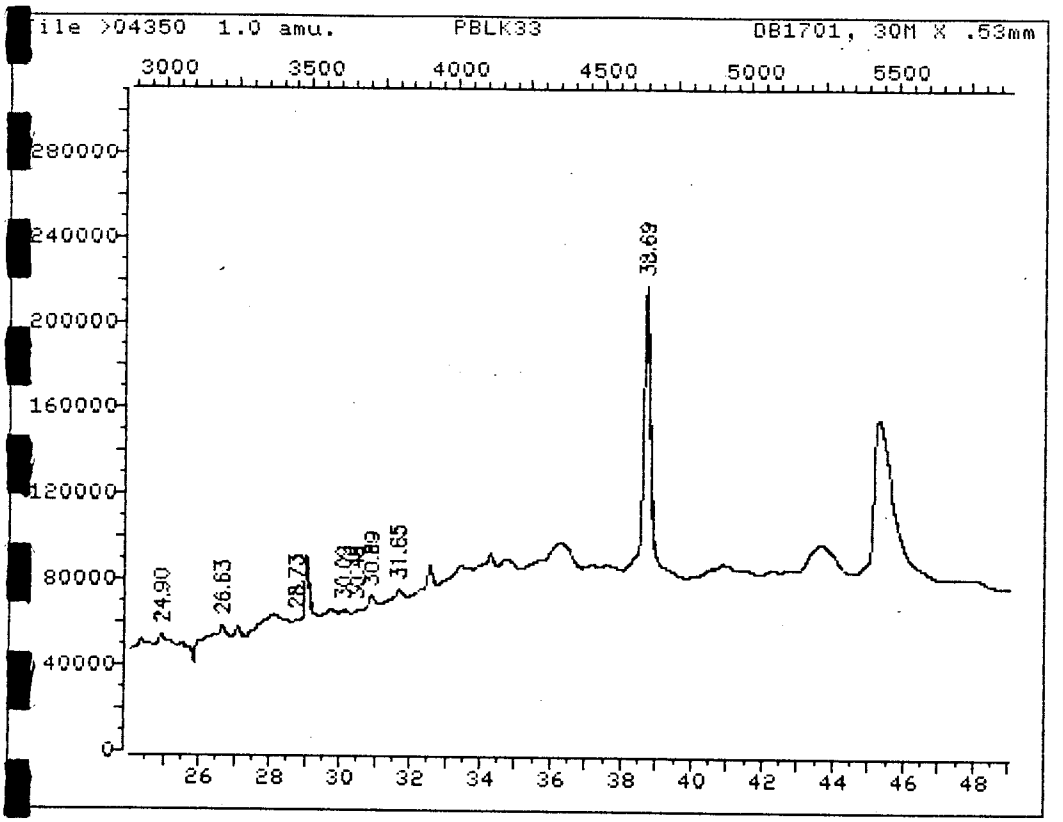
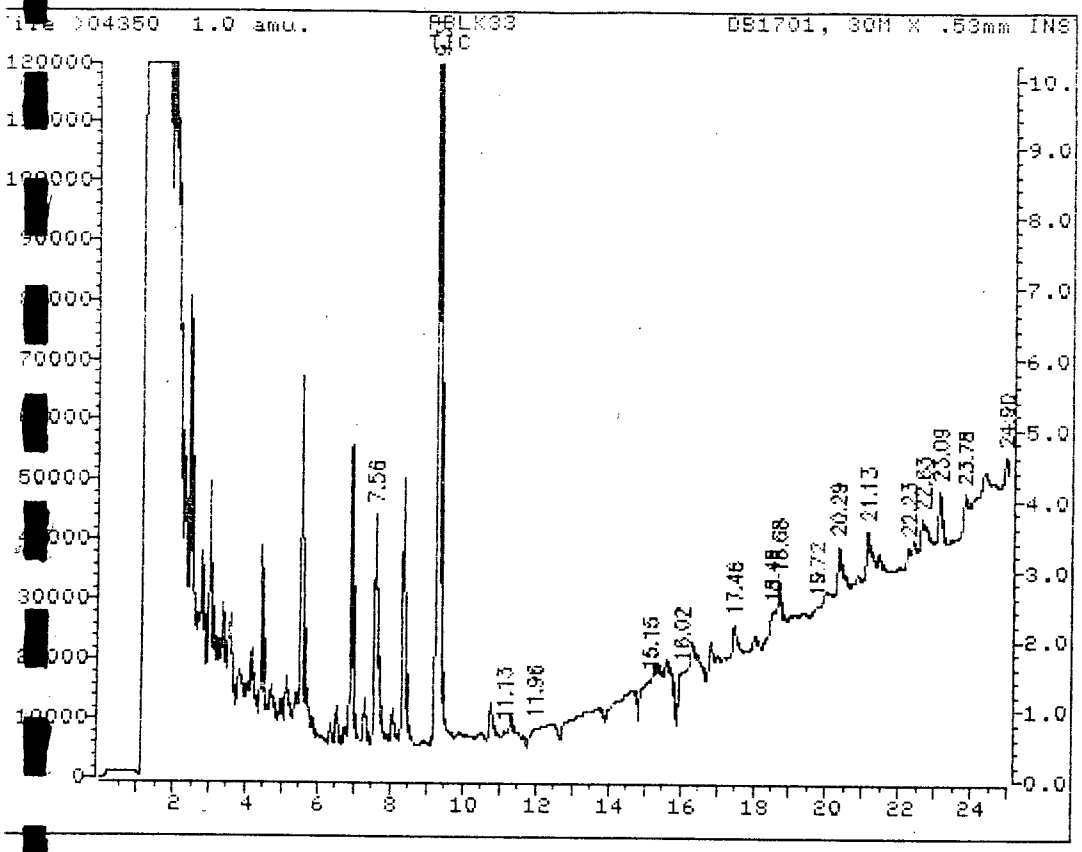


Data File: >04350::G1 Quant Output File: ^04350::GQ
Name: PBLK33 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 17:11
Injected at: 960715 16:17

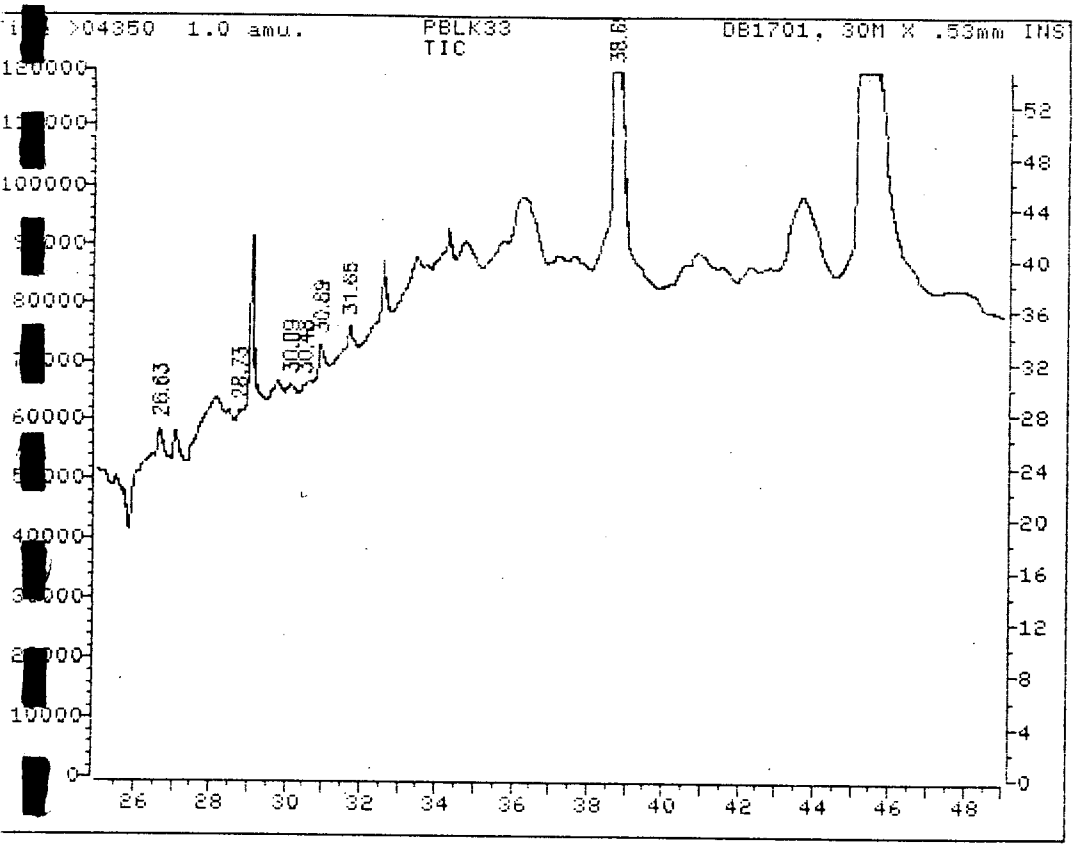
Page 2 of 2



19 data file header from : >04350::G1

Sample: PBLK33 Operator: TRFI2 7/15/96 16:17
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sy. #: 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 : >04350::G1

Sample: PBLK33 Operator: TRFI2 7/15/96 16:17
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Ovs. #: 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.: RIN2A

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

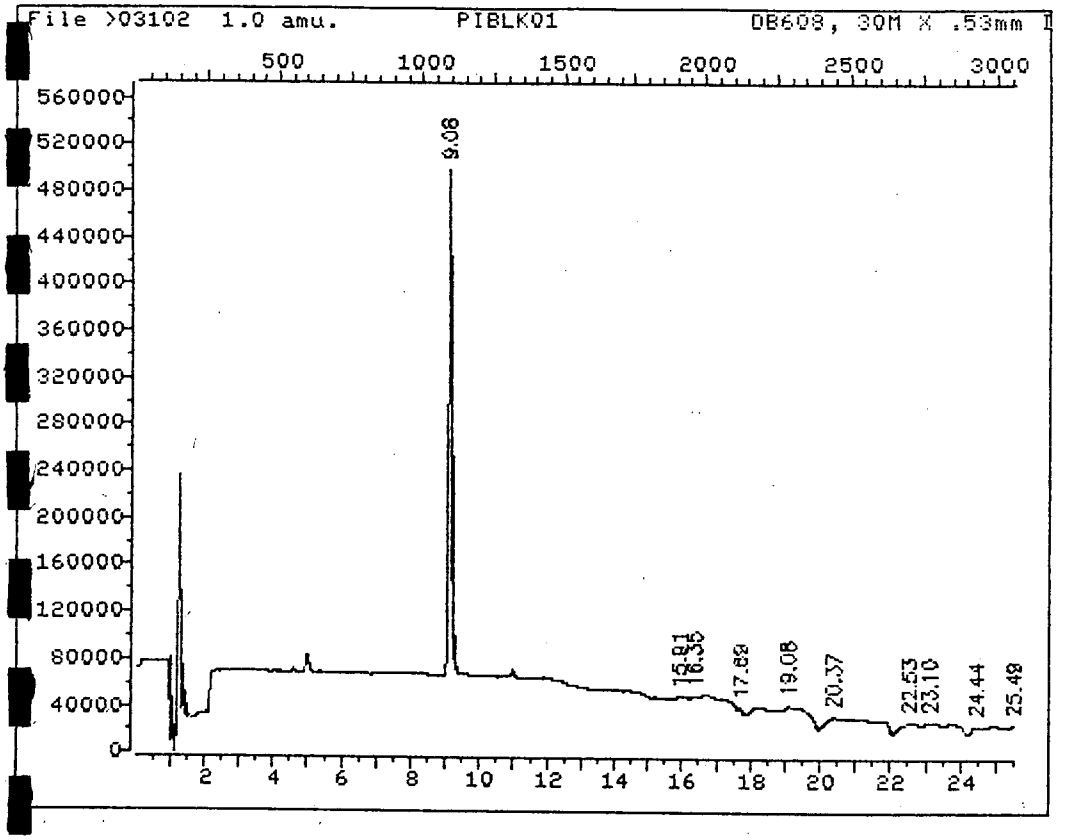
Quant Rev: 7
Quant Time: 960705 17:15
Injected at: 960702 04:00
Dilution Factor: 1.00000
Instrument ID: GC03

Method 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
7)	~~#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
31)	~~#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
51)	~~#Aroclor-1254(3)~~ NP	22.53	2703	199084	123.47	ng/ml	100
53)	~~#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

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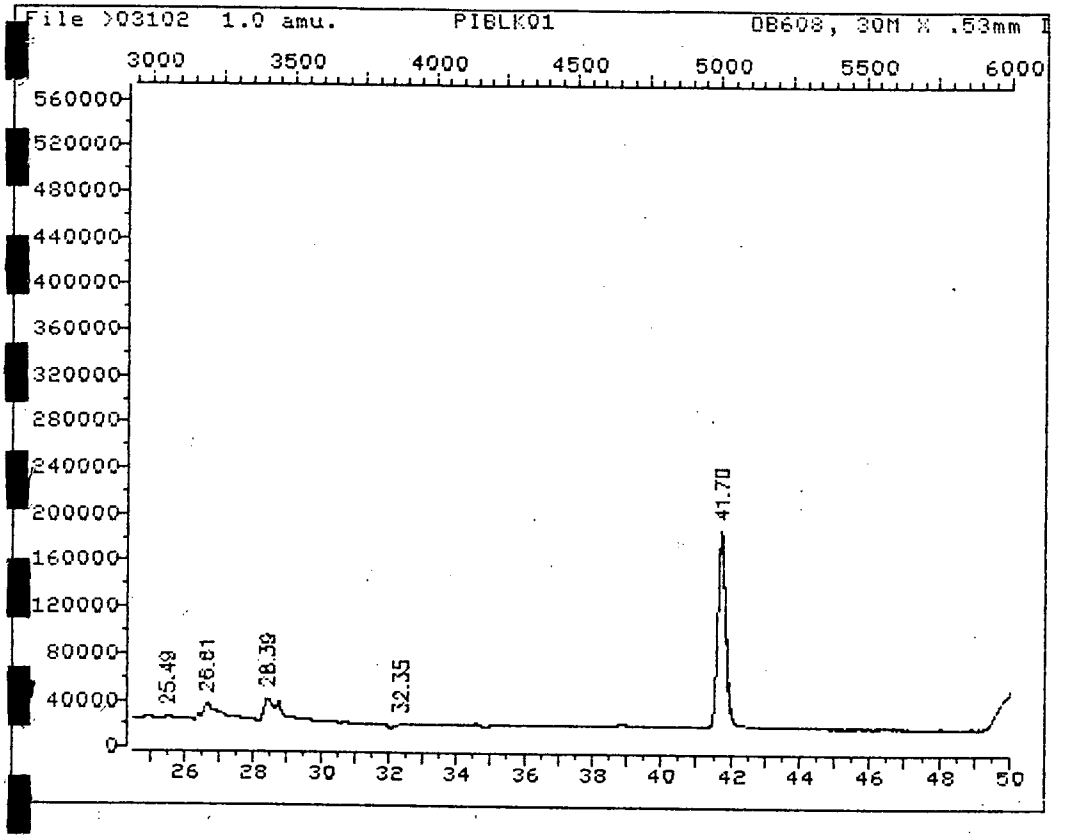
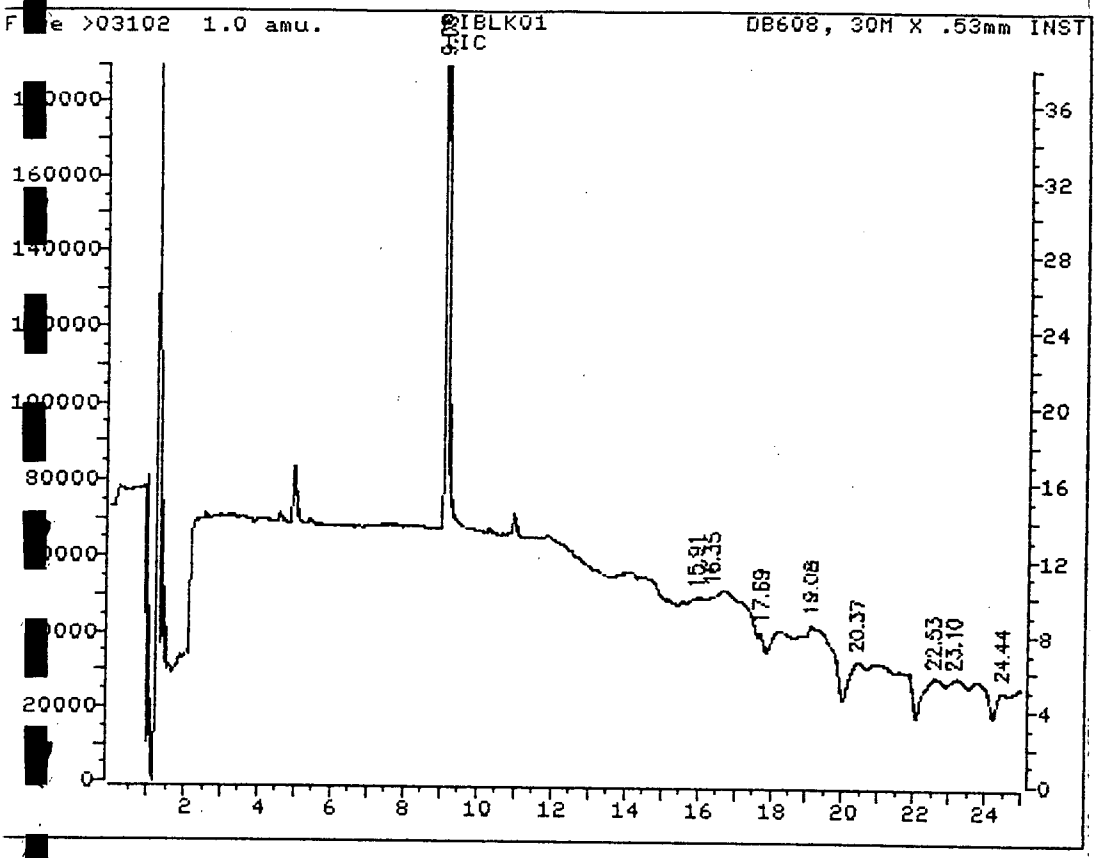


Data File: >03102::G3 Quant Output File: ^03102::F3
Name: PIBLK01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

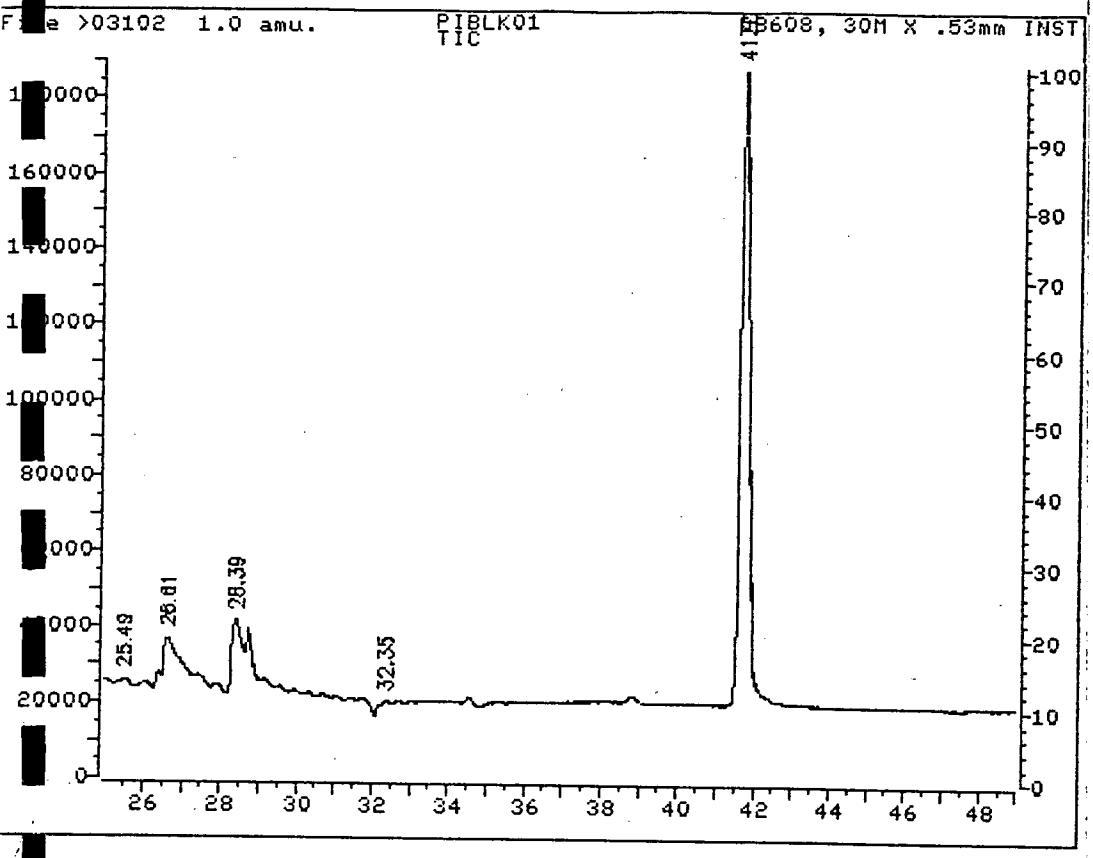
Page 2 of 2



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

erator ID: TRFIL
utput File: ^04102::F3
ta File: >04102::G5
me: PIBLK01
isc: DB1701, 30M X .53mm INST 58903, 1ul INJ

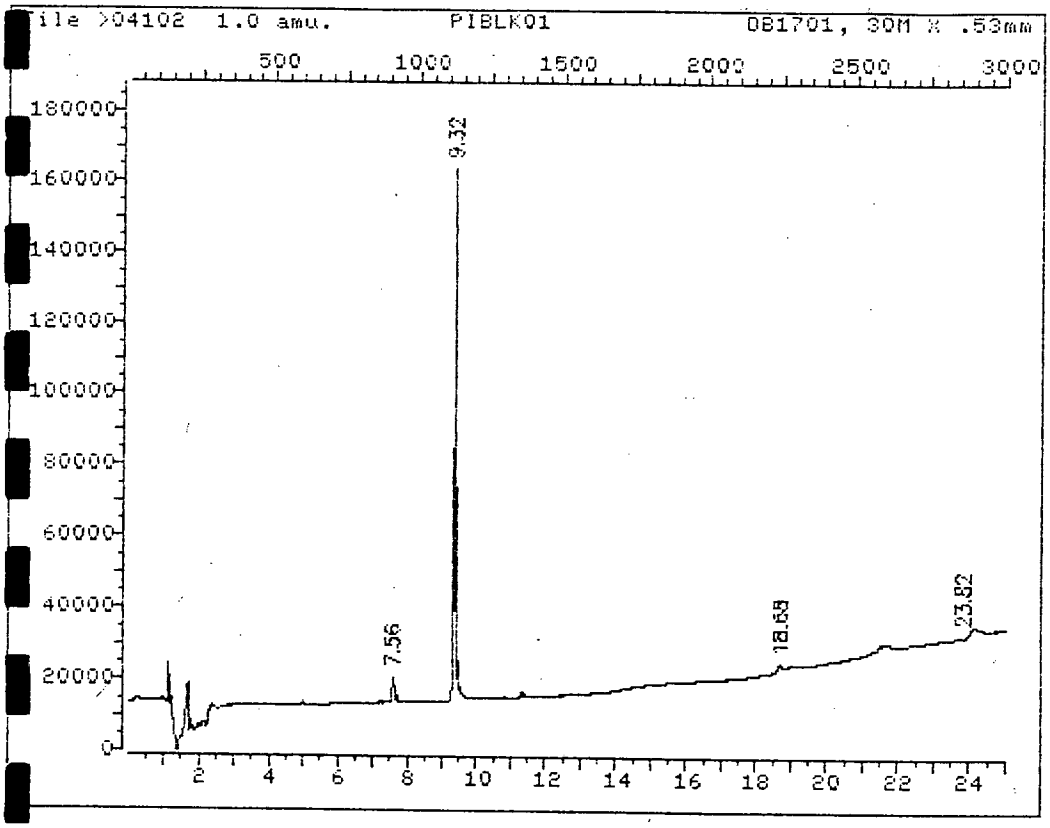
Quant Rev: 7
Quant Time: 960702 22:09
Injected at: 960702 04:00
Dilution Factor: 1.00000
Instrument ID: GC04

File: IDCAP2::SC
le: Capillary Column DB1701
ast 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
)	#~~Endosulfan II~~ NC	26.84	3220	52566	1.47	ng/ml	100
)	#~~Methoxychlor~~ NC	30.97	3716	125311	9.33	ng/ml	100
19)	#Decachlorobiphenyl	38.73	4648	981573	21.02	ng/ml	100
)	#~~Aroclor 1221(1)~~ NP	7.56	907	37252	47.10	ng/ml	100
)	#~~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
)	#~~Aroclor-1016(5)~~ NP	18.68	2242	24252	11.77	ng/ml	100
40)	#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
)	#~~Aroclor 1260(3)~~ NP	28.29	3394	121309	68.35	ng/ml	100

Compound uses ESTD

JMMo 7/10/96



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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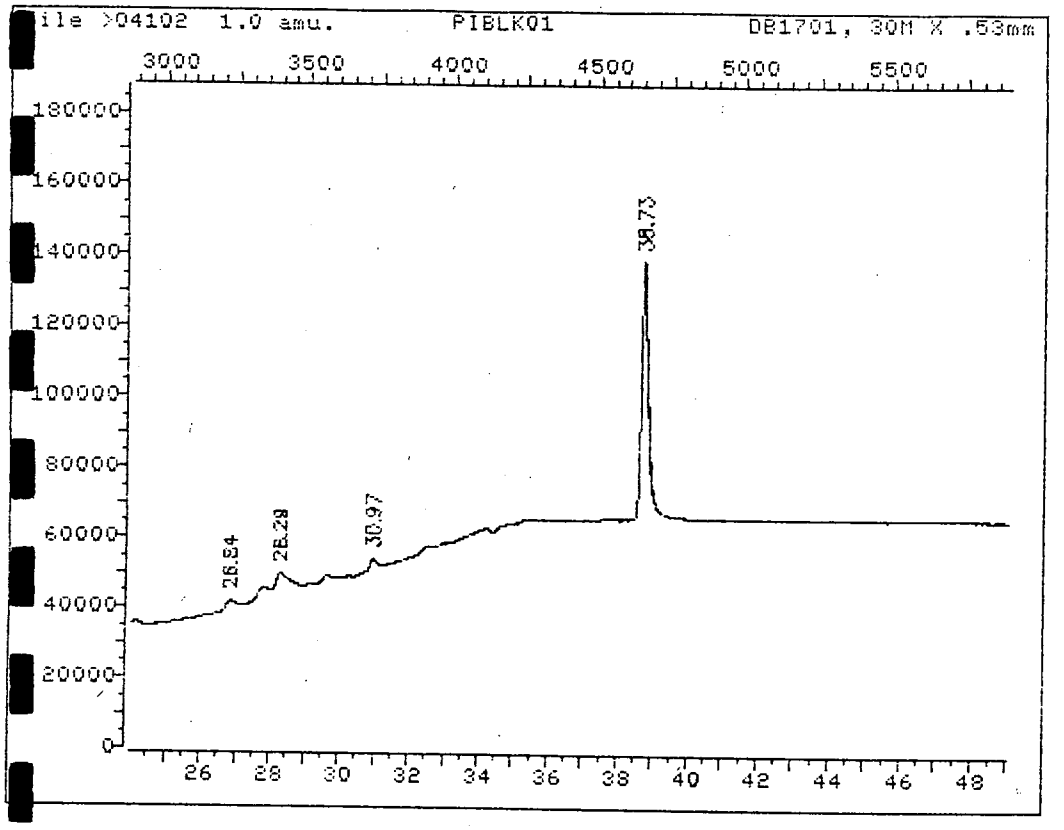

Data File: >04102::G5 Quant Output File: ^04102::F3
Name: PIBLK01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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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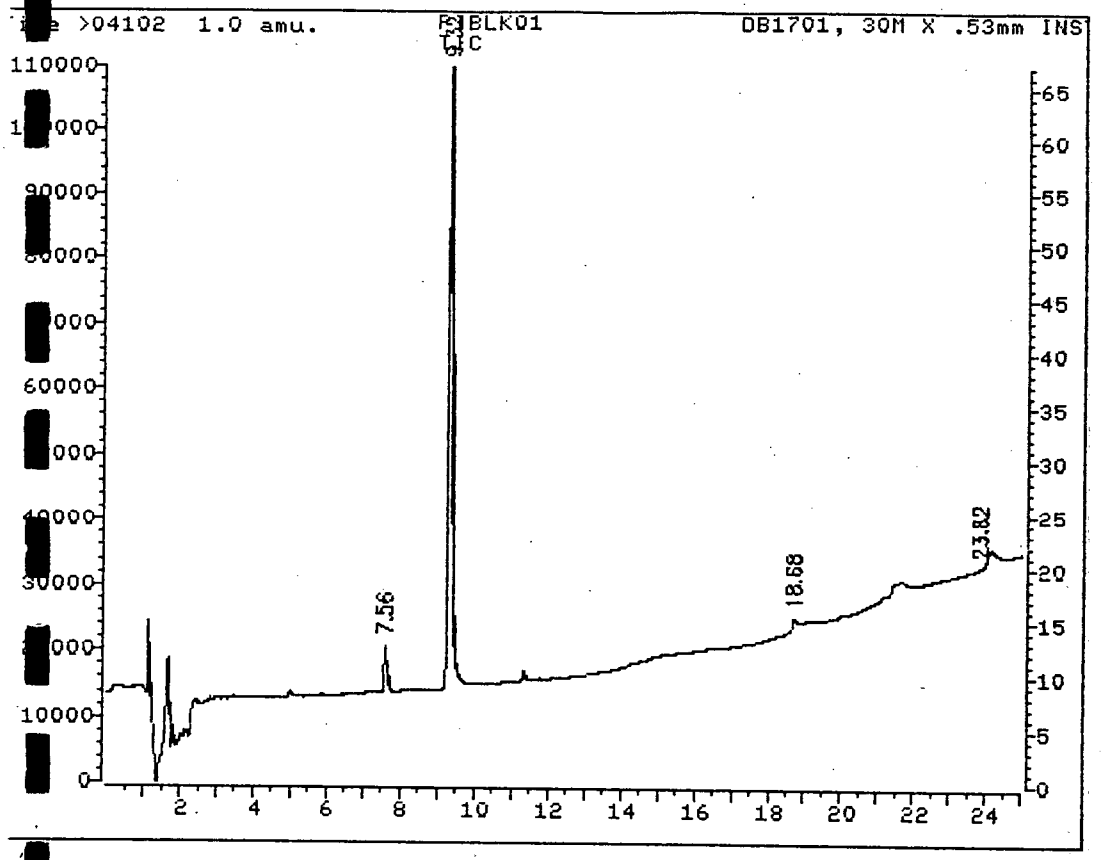
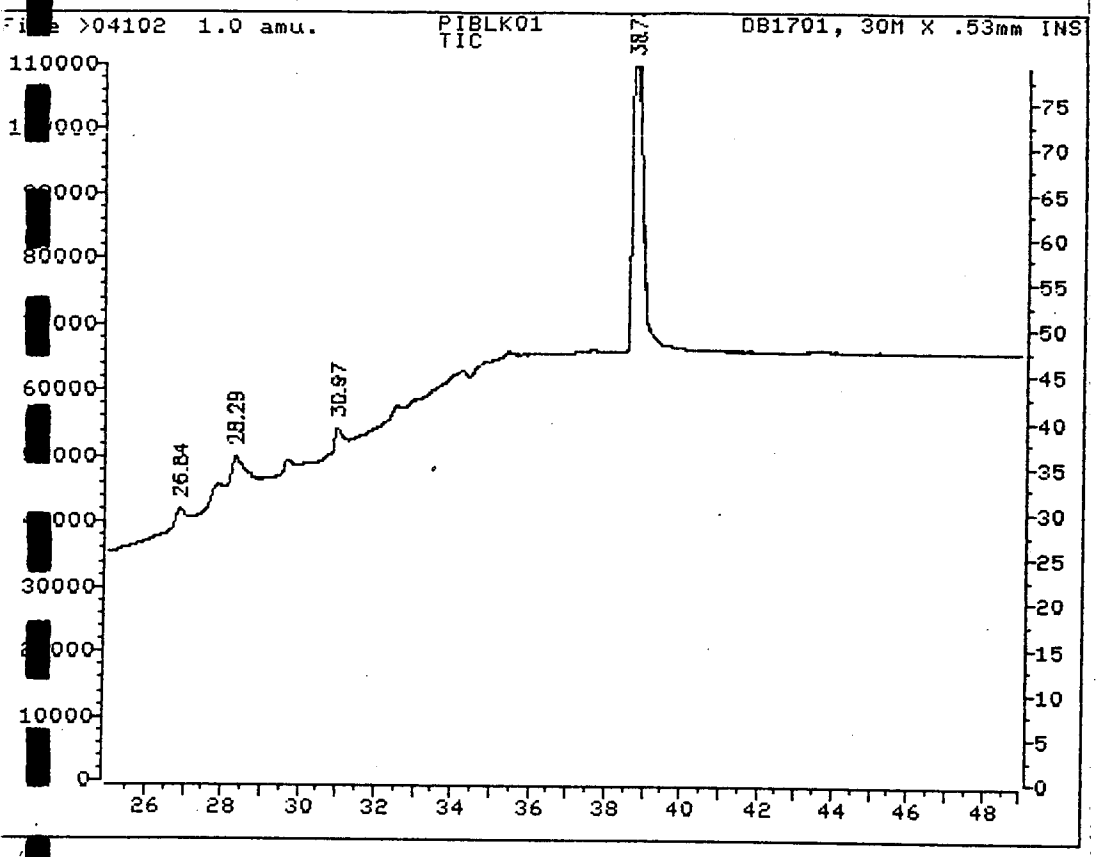


data file header from : >04102::G5

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

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



MS data file header from : >04102::G5

Sample: 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.: RIN2A

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

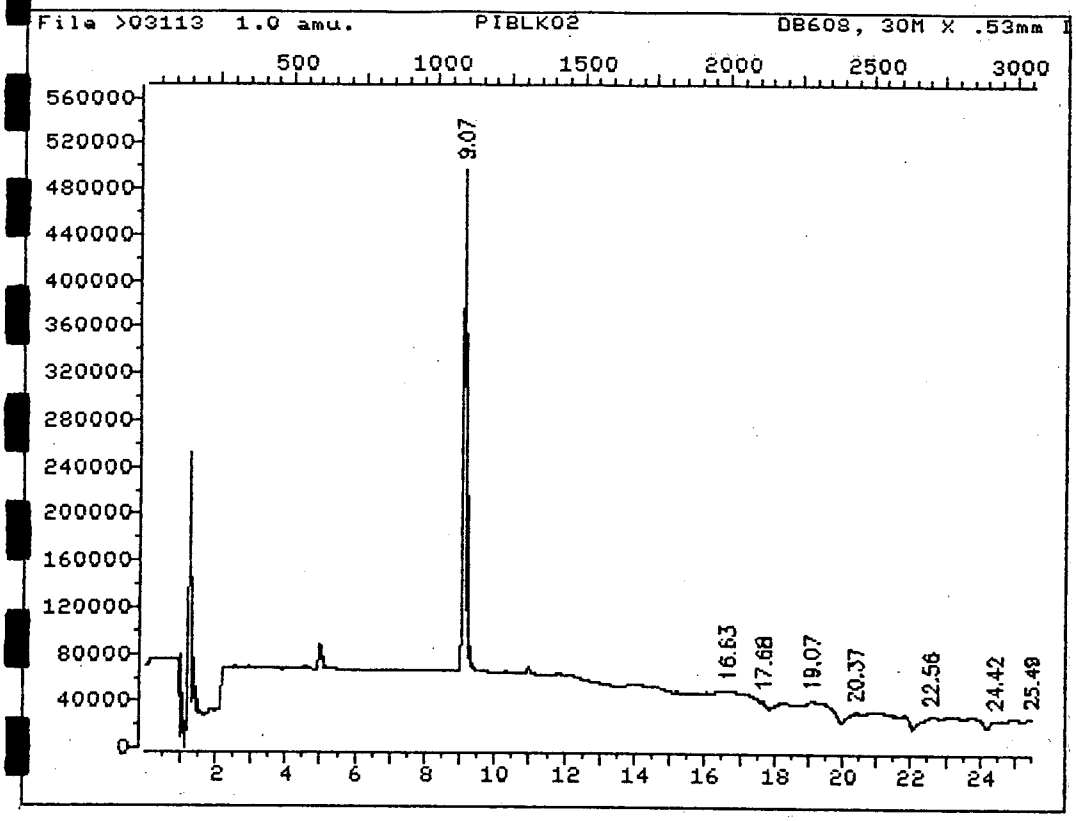
Quant Rev: 7
Quant Time: 960704 15:35
Injected at: 960702 14:27
Dilution Factor: 1.00000
Instrument ID: GC03

ID File: IDCAP1::SC
File: 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
1[illegible])	~~#4,4'-DDD~~ NC	25.49	3058	30118	.523	ng/ml	100
1[illegible])	~~#Endosulfan Sulfate~~ NC	28.33	3399	446135	5.03	ng/ml	100
17)	~~#Methoxychlor~~ OW	32.34	3881	80300	2.07	ng/ml	100
1[illegible])	#Decachlorobiphenyl	41.66	4999	2542041	21.31	ng/ml	100
2[illegible])	~~#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
3[illegible])	~~#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
4[illegible])	~~#Aroclor-1248(3)~~ NP	19.07	2288	19868	4.78	ng/ml	100
4[illegible])	~~#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
5[illegible])	~~#Aroclor-1260(3)~~ NP	26.70	3204	2356901	451.49	ng/ml	100
5[illegible])	~~#Aroclor-1260(4)~~ NP	30.27	3632	6181	.572	ng/ml	100

Compound uses ESTD

7/13/96

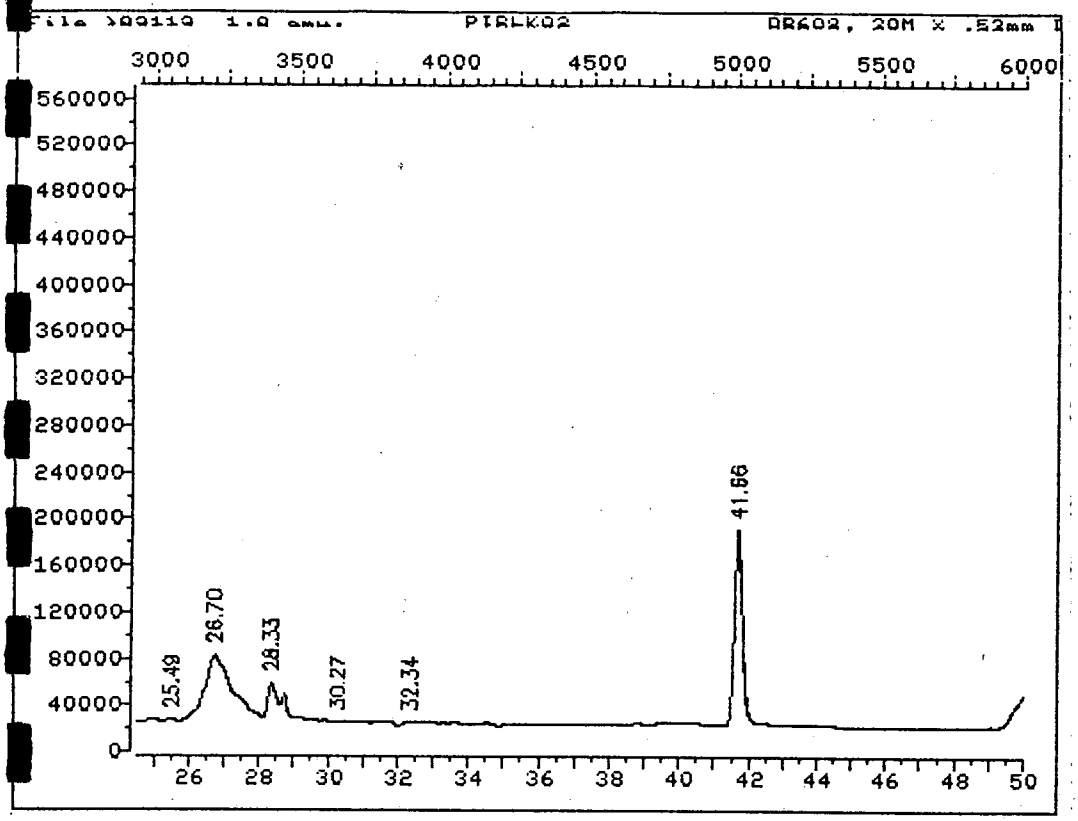


Data File: >03113::G3 Quant Output File: ^03113::F3
Name: PIBLK02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

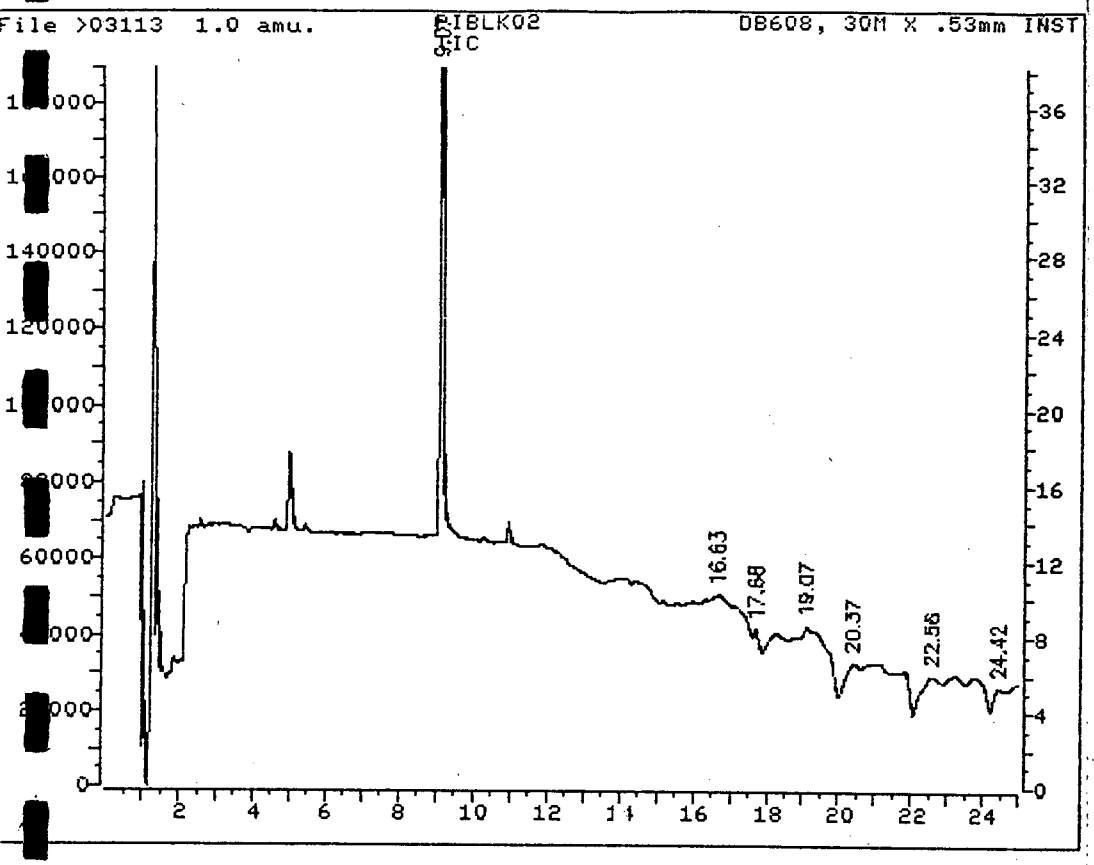
Page 1 of 2



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

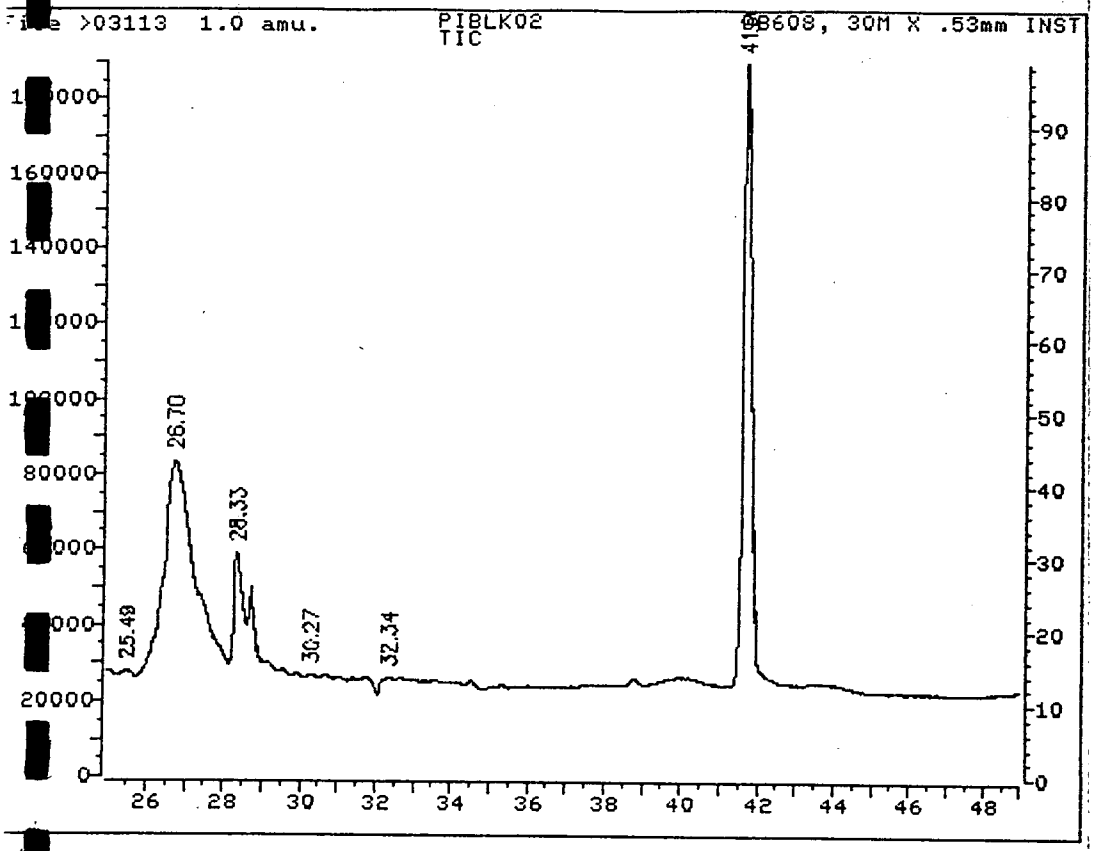
Operator ID: TRFIL
Quant Time : 960702 21:42
Injected at: 960702 14:27



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

QUANT REPORT

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

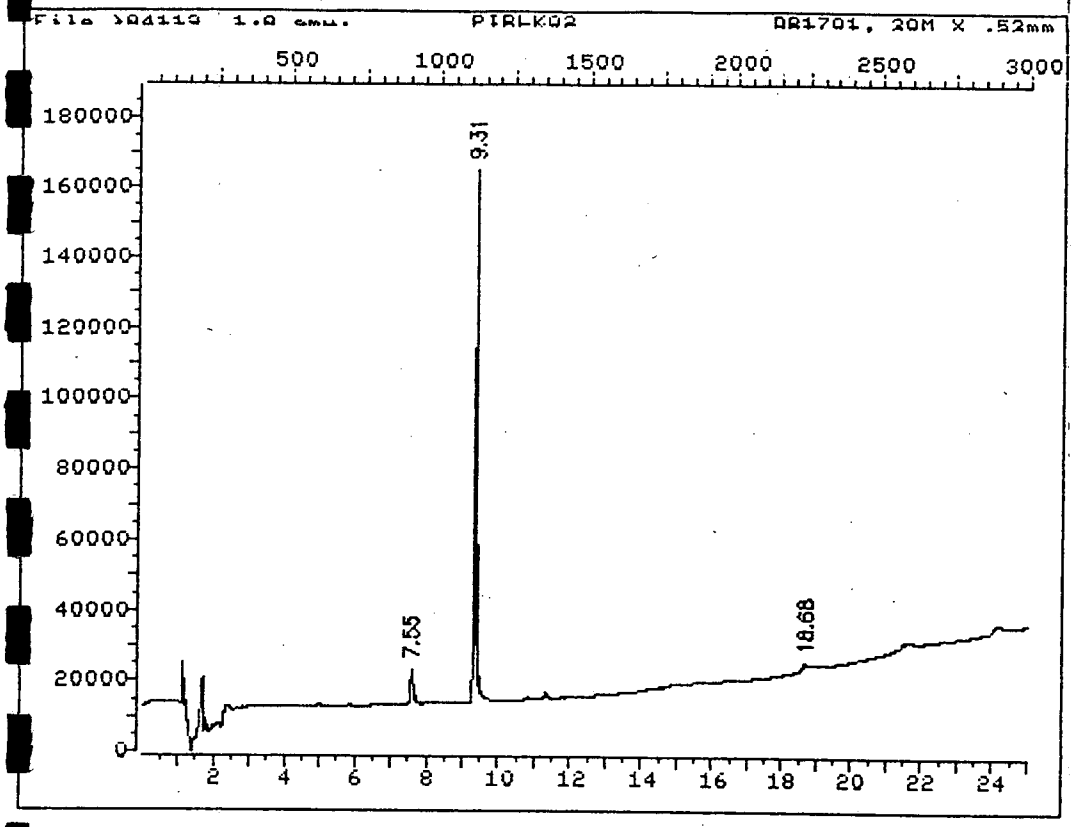
Quant Rev: 7
Quant Time: 960702 22:20
Injected at: 960702 14:27
Dilution Factor: 1.00000
Instrument ID: GC04

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
[illegible])	#Tetrachloro-m-xylene	9.31	1117	832017	20.09	ng/ml	100
[illegible])	~~#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
[illegible])	#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
[illegible])	#~~Toxaphene~~(2) NP	28.21	3385	188861	262.04	ng/ml	100
[illegible])	~~#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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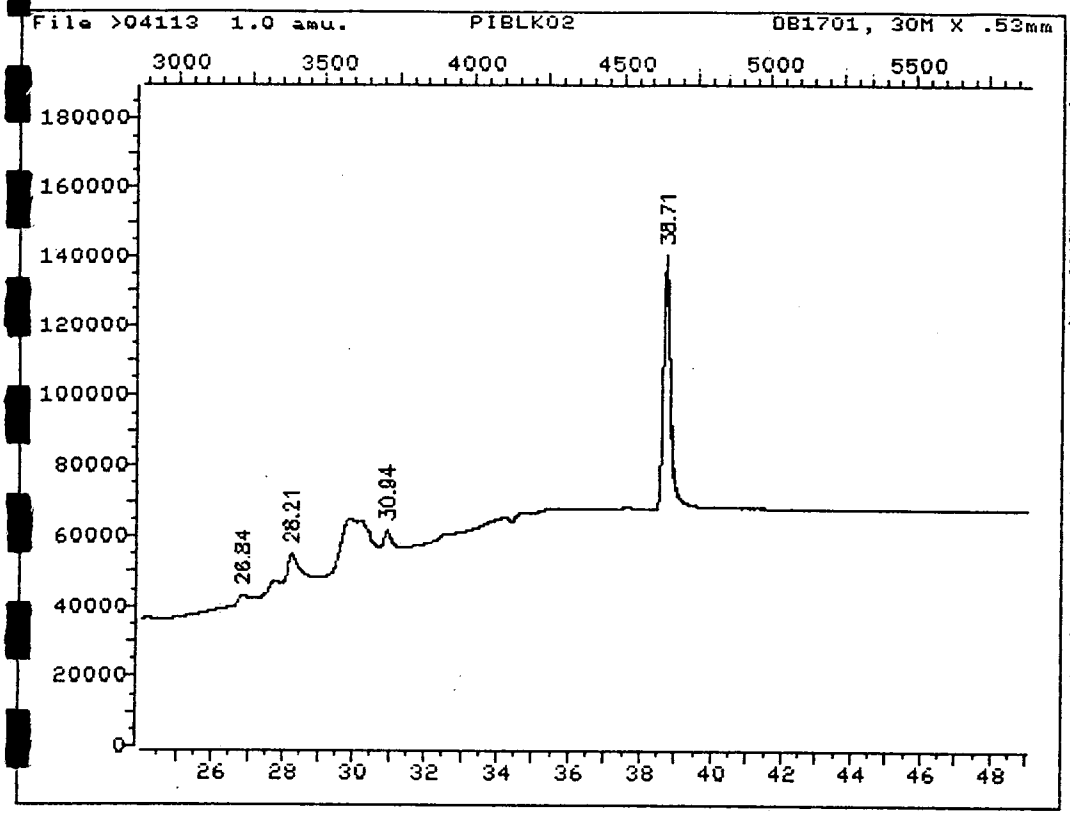

Data File: >04113::G5 Quant Output File: ^04113::F3
Name: PIBLK02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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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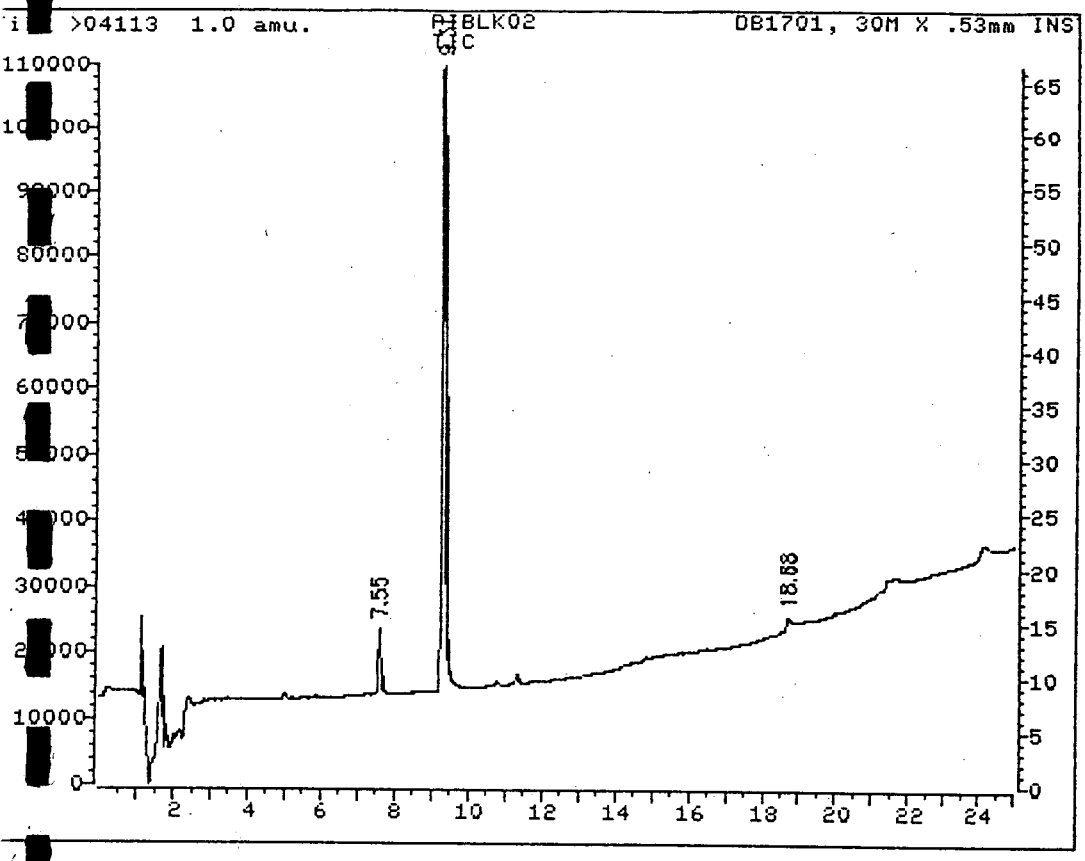
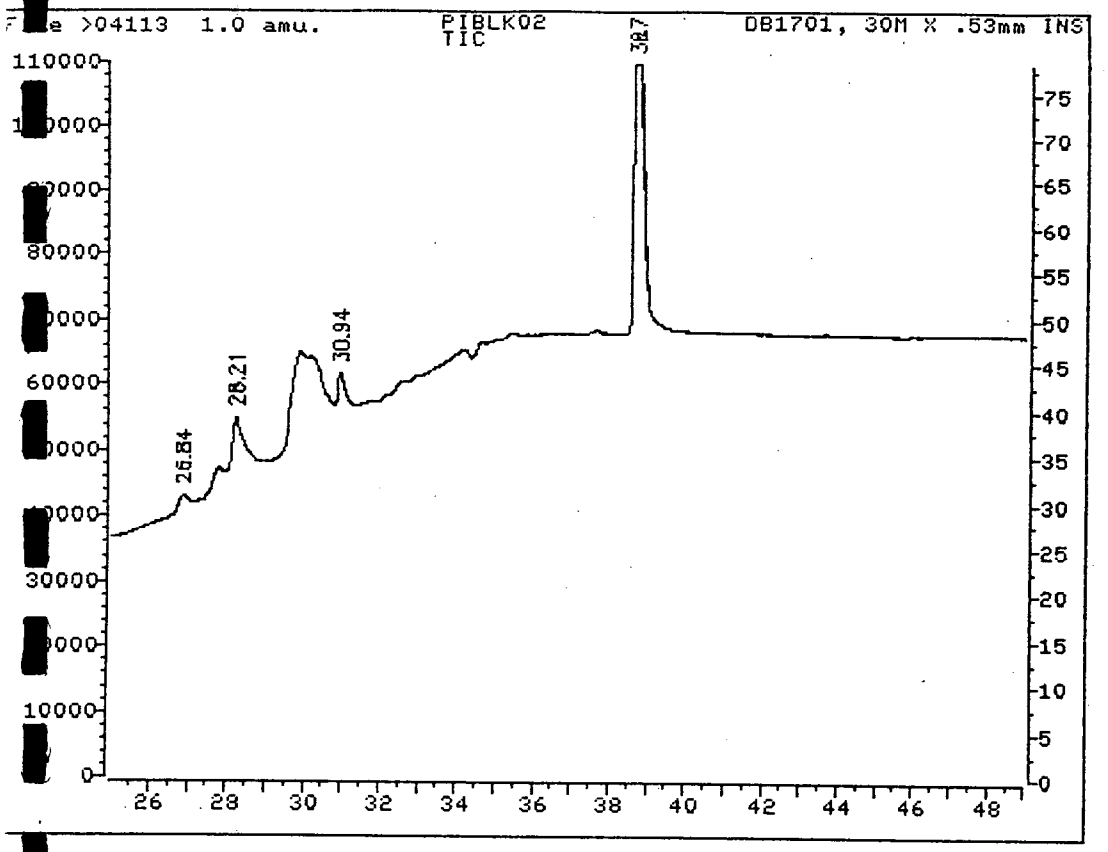


19 data file header from : >04113::G5

Sample: PIBLK02 Operator: TRFIL 7/02/96 14:27
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >04113::G5

Sample: PIBLK02 Operator: TRFIL 7/02/96 14:27
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Seq. #: 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.: RIN2A

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

QUANT REPORT

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

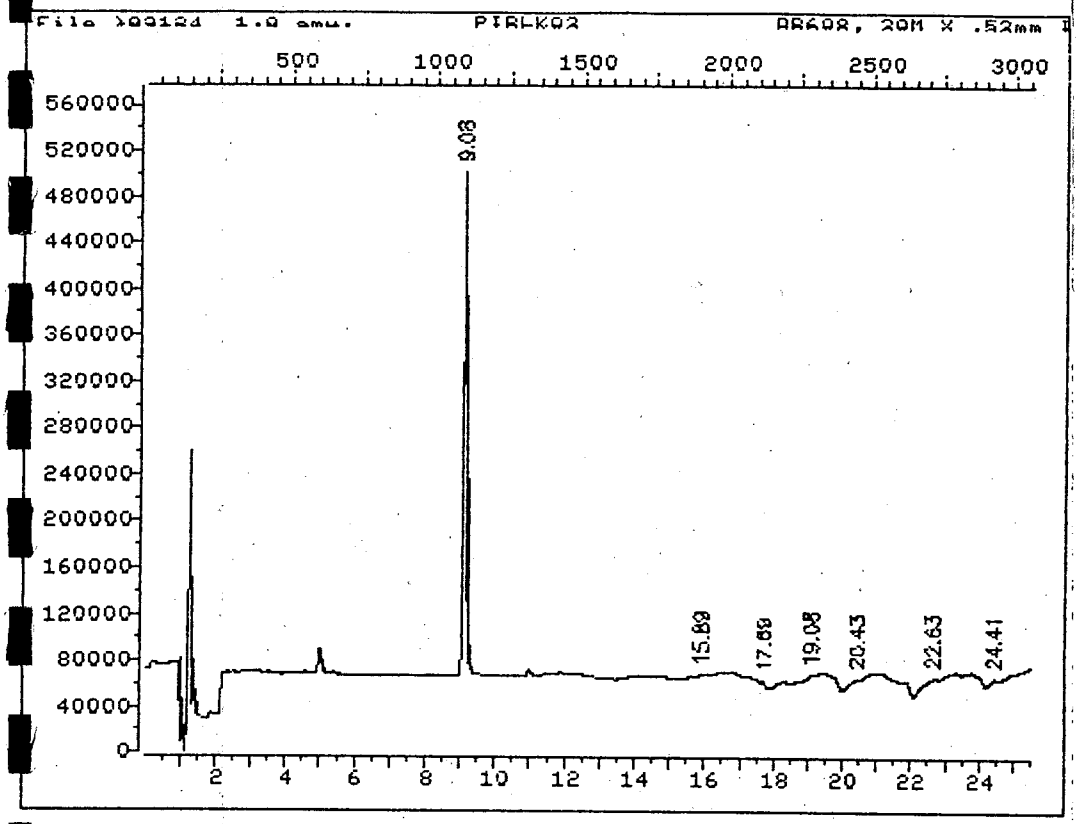
Quant Rev: 7
Quant Time: 960703 07:40
Injected at: 960703 00:53
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
11)	#Tetrachloro-m-xylene	9.08	1090	2498885	19.97	ng/ml	100
16)	~~#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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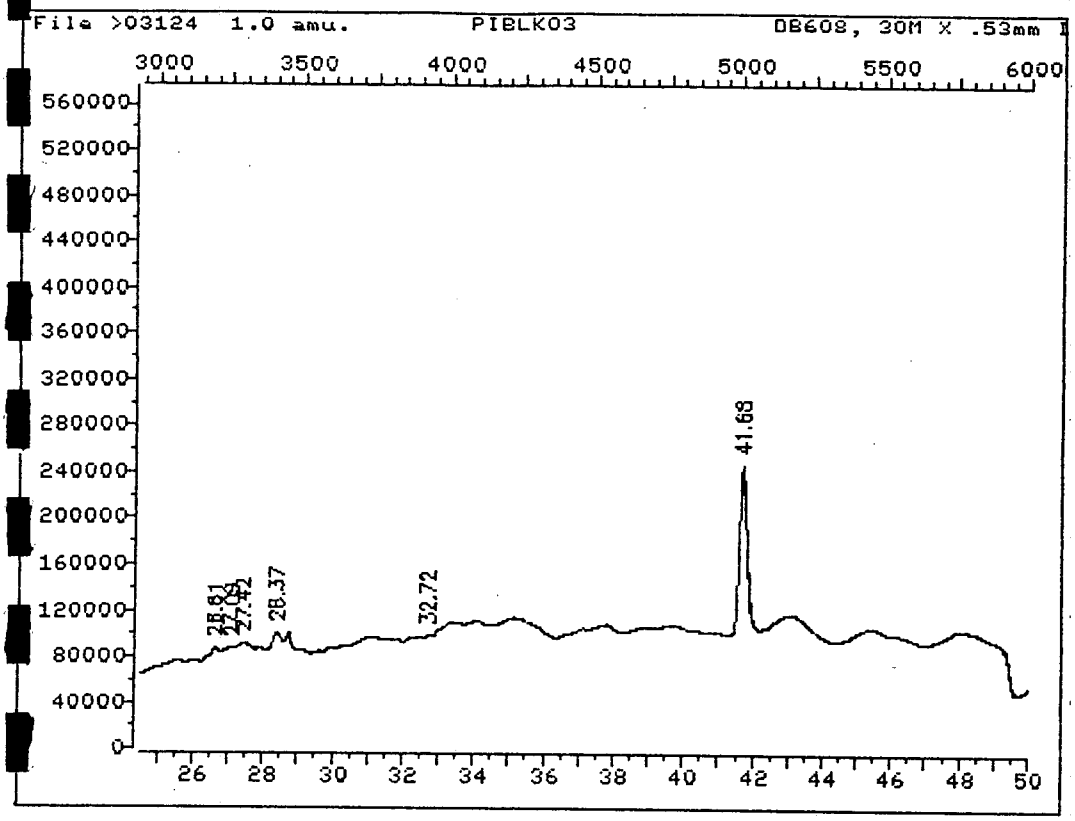

Data File: >03124::G3 Quant Output File: ^03124::F3
Name: PIBLK03 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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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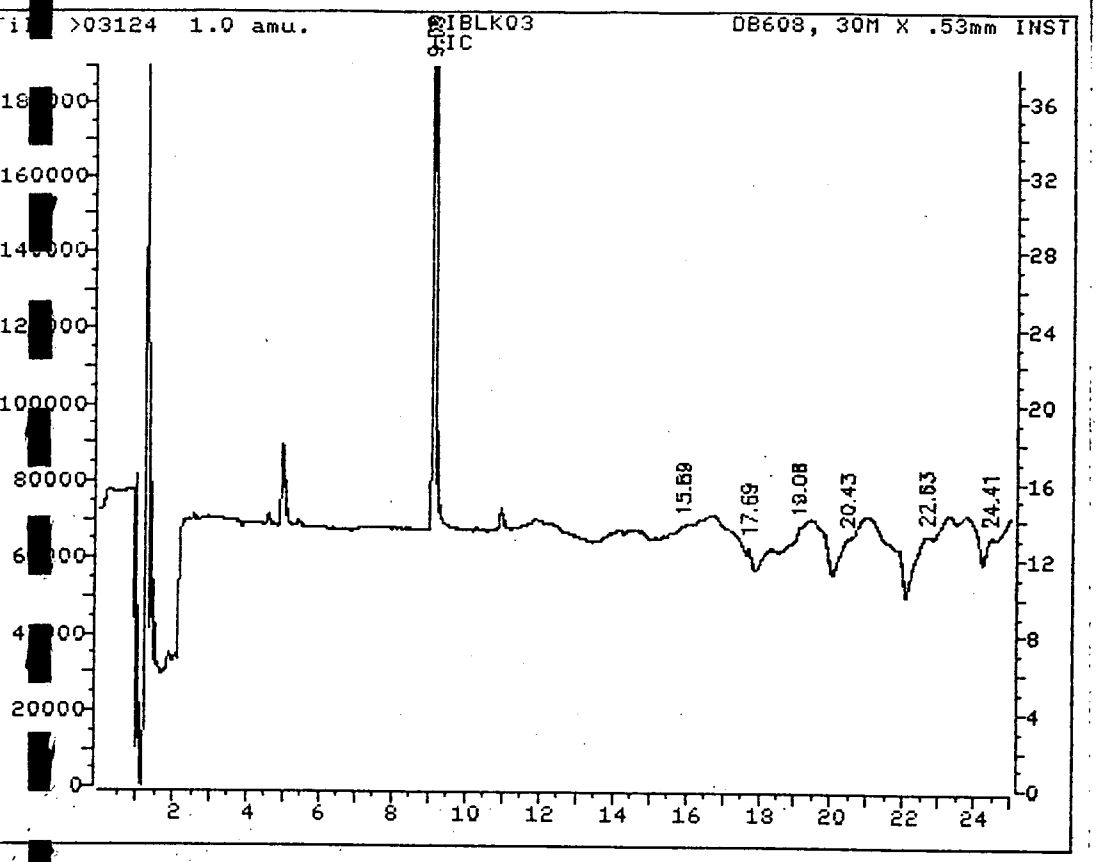
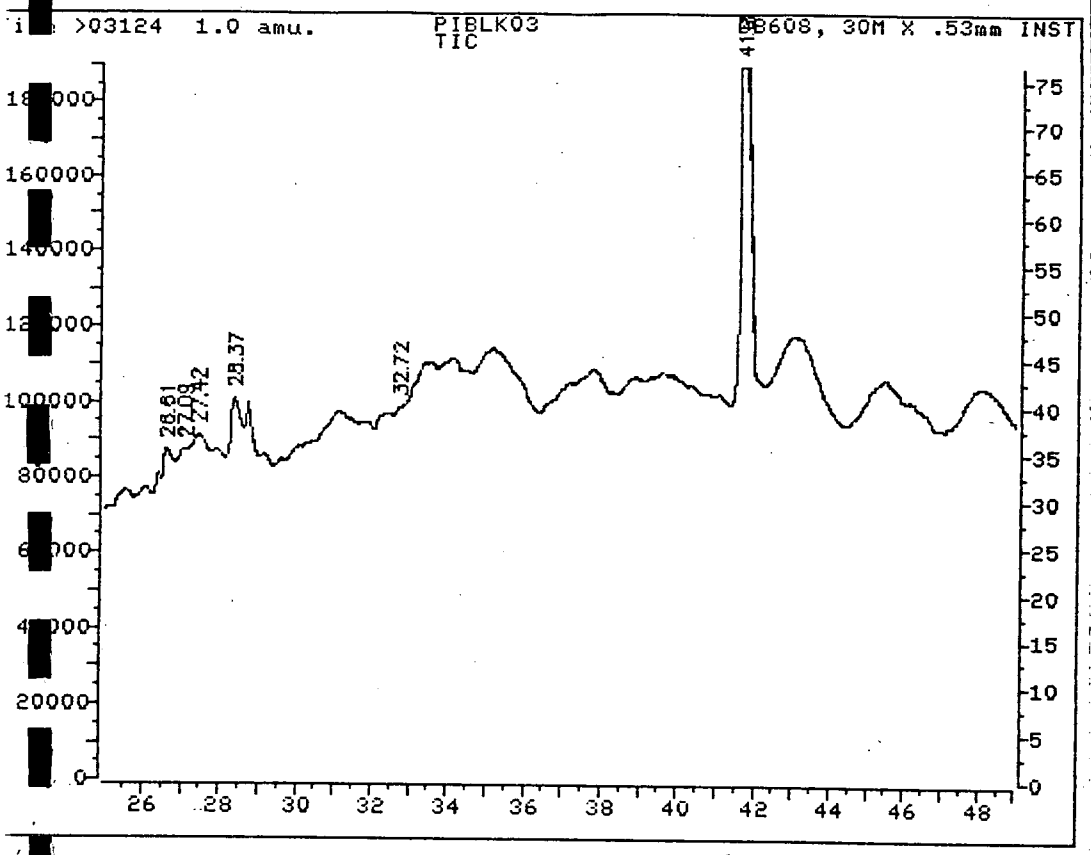


MS data file header from : >03124::G3

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

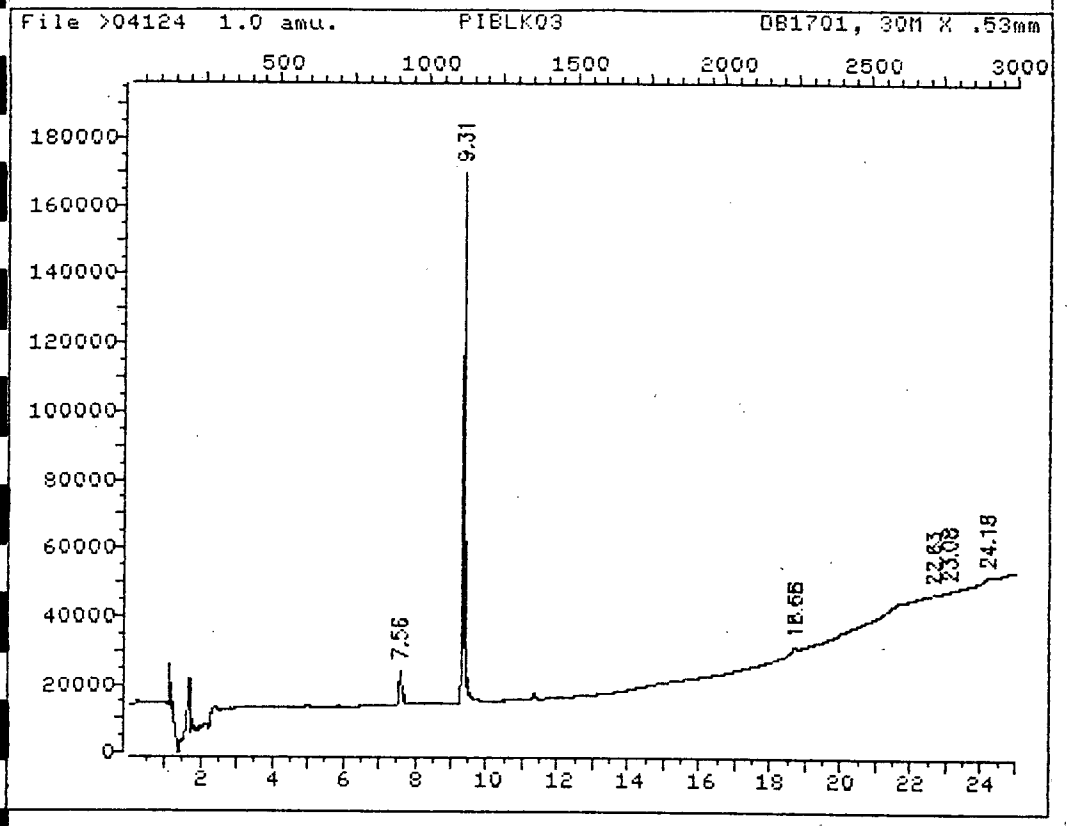
Quant Rev: 7
Quant Time: 960708 12:19
Injected at: 960703 00:53
Dilution Factor: 1.00000
Instrument ID: GC04

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
[illegible])	#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
[illegible])	~~#Endrin~~ NC	24.18	2901	17983	.620	ng/ml	100
[illegible])	~~#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
[illegible])	~~#Methoxychlor~~ NC	30.97	3716	127727	9.49	ng/ml	100
[illegible])	#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
[illegible])	~~#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
[illegible])	~~#Aroclor-1016(5)~~ NP	18.68	2242	99056	48.07	ng/ml	100
[illegible])	~~#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

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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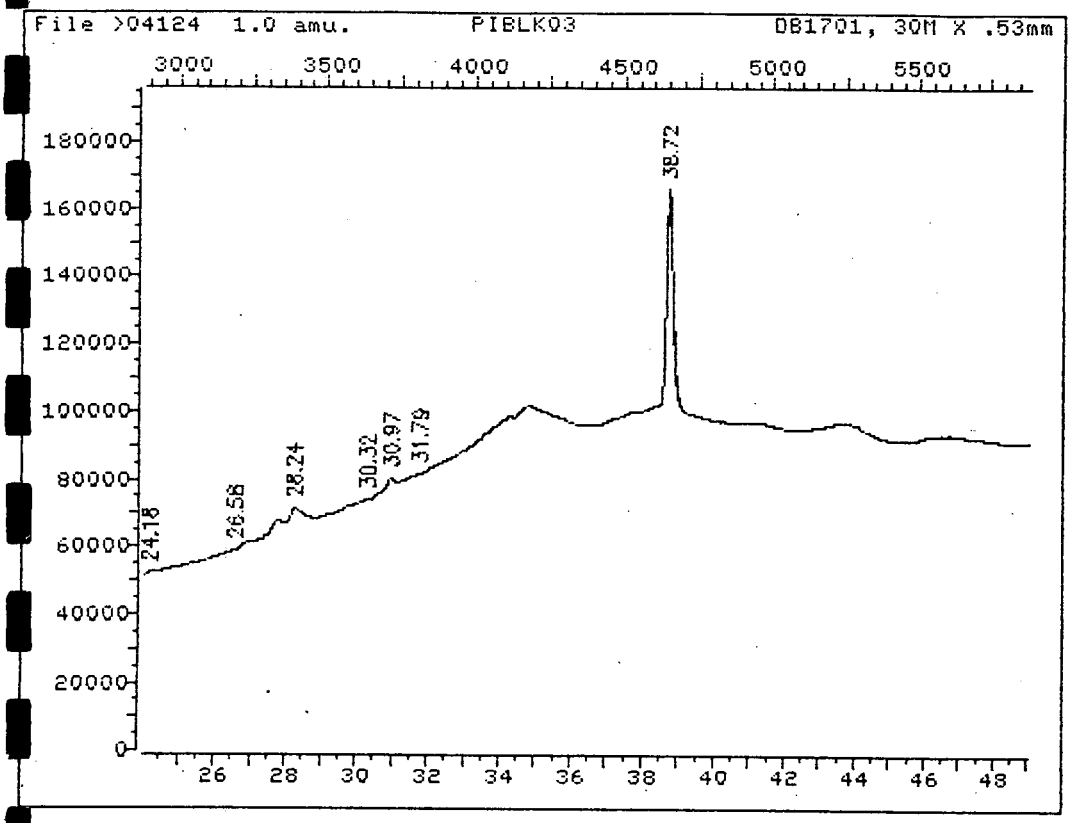

Data File: >04124::G5 Quant Output File: ^04124::F3
Name: PIBLK03 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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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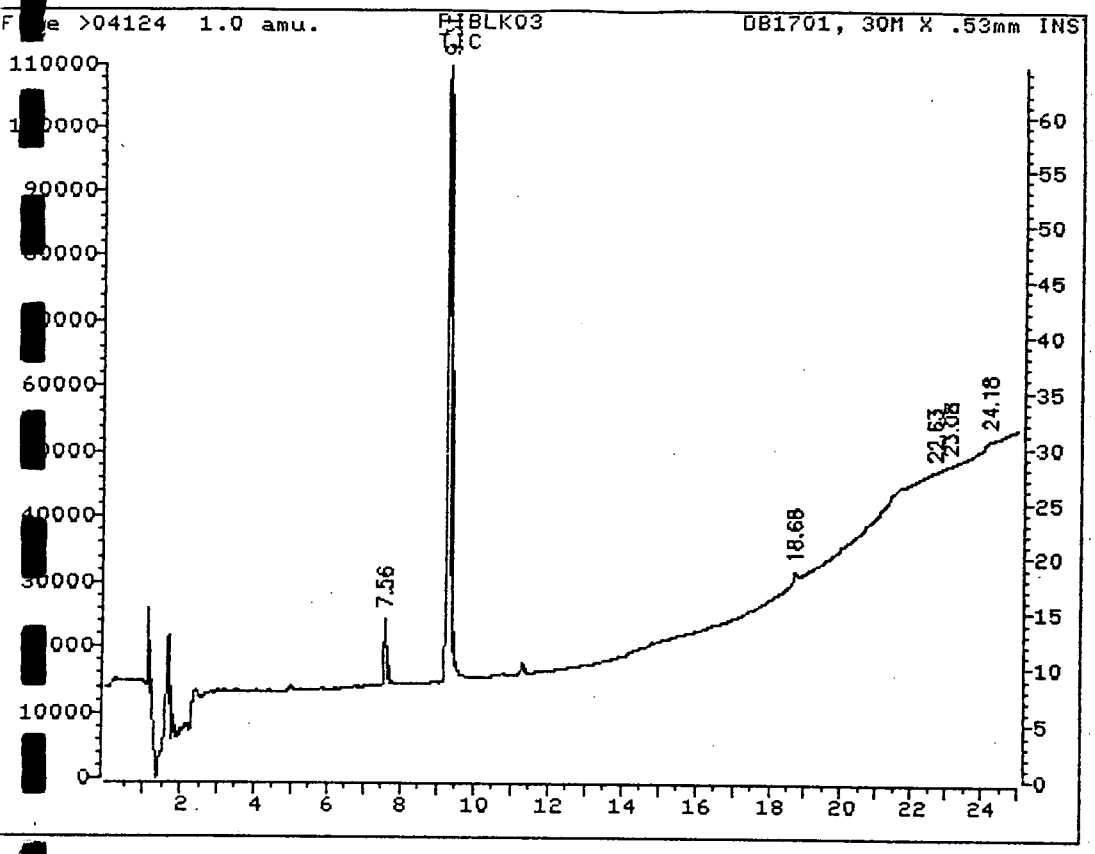
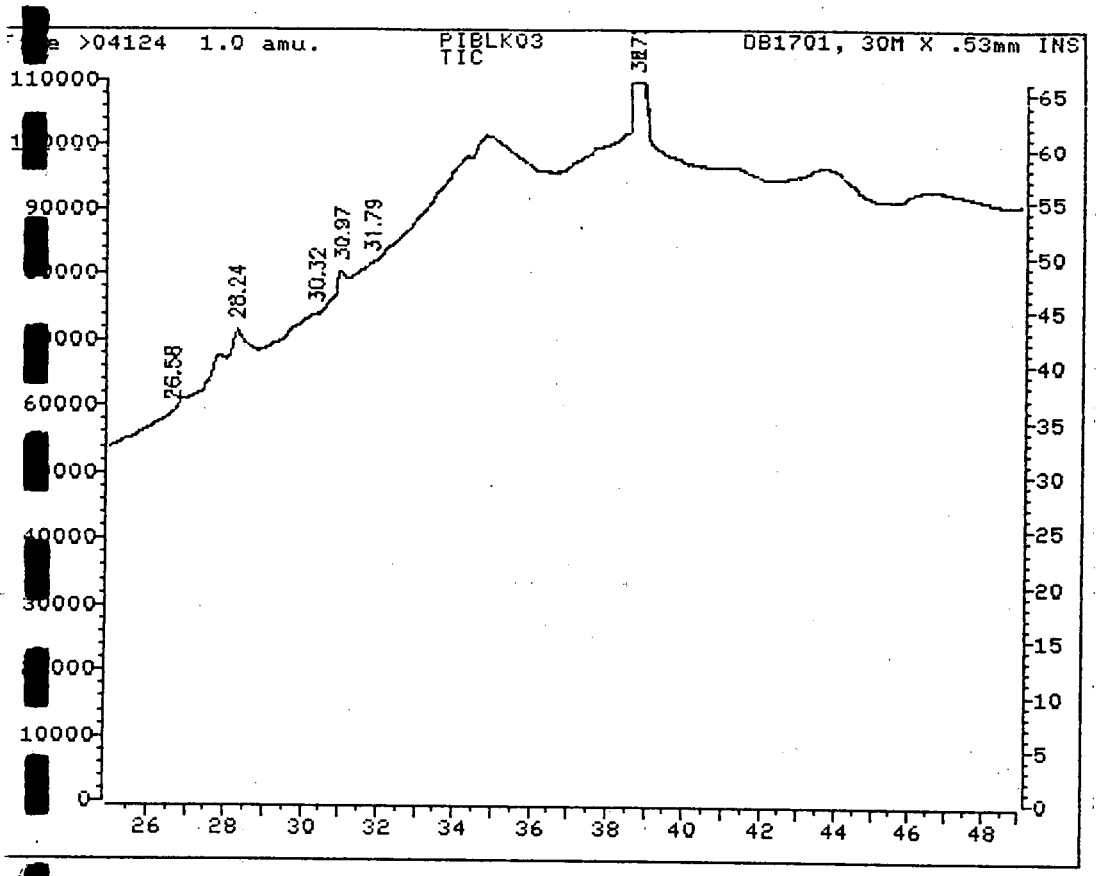


MS data file header from : >04124::G5

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
Sy. #: 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.: E1-02

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

erator ID: TRFIL
tput File: ^03134::F3
ata File: >03134::G3
me: PIBLK04
c: DB608, 30M X .53mm INST 58903, 1ul INJ

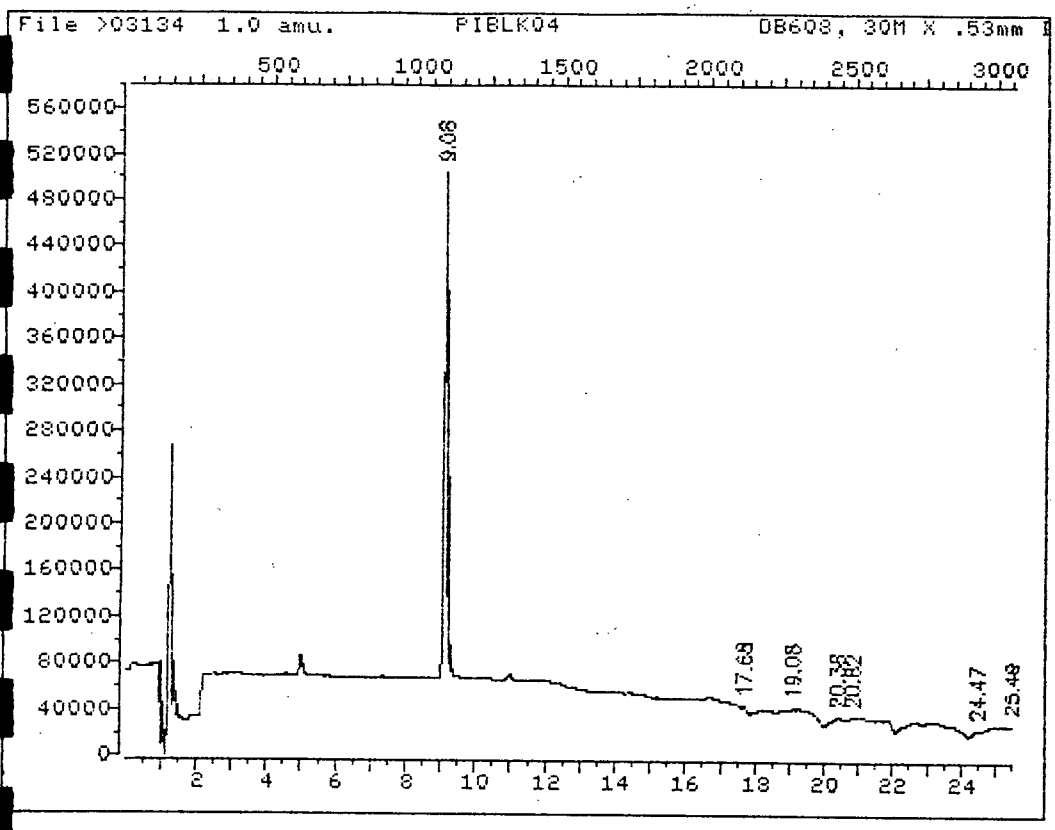
Quant Rev: 7
Quant Time: 960705 18:00
Injected at: 960703 10:22
Dilution Factor: 1.00000
Instrument ID: GC03

D File: IDCAP1::SC
le: Capillary Column DB 608
st Calibration: 941029 10:07
Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
)	#Tetrachloro-m-xylene	9.08	1090	2519707	20.13	ng/ml	100
15)	~~#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
)	~~#Endosulfan Sulfate~~ NC	28.38	3405	282877	3.19	ng/ml	100
)	~~#Methoxychlor~~ OW	32.36	3883	47752	1.23	ng/ml	100
19)	#Decachlorobiphenyl	41.69	5003	2673844	22.34	ng/ml	100
)	~~#Aroclor-1254(1)~~ NP	20.82	2498	5297	1.12	ng/ml	100
)	~~#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
33)	~~#Aroclor 1016(5)~~ NP	19.08	2289	11222	3.30	ng/ml	100
)	~~#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
)	~~#Aroclor-1248(4)~~ NP	20.38	2445	166212	34.31	ng/ml	100
)	~~#Aroclor 1260(3)~~ NP	26.61	3193	177173	33.94	ng/ml	100

#Compound uses ESTD

7/13/96

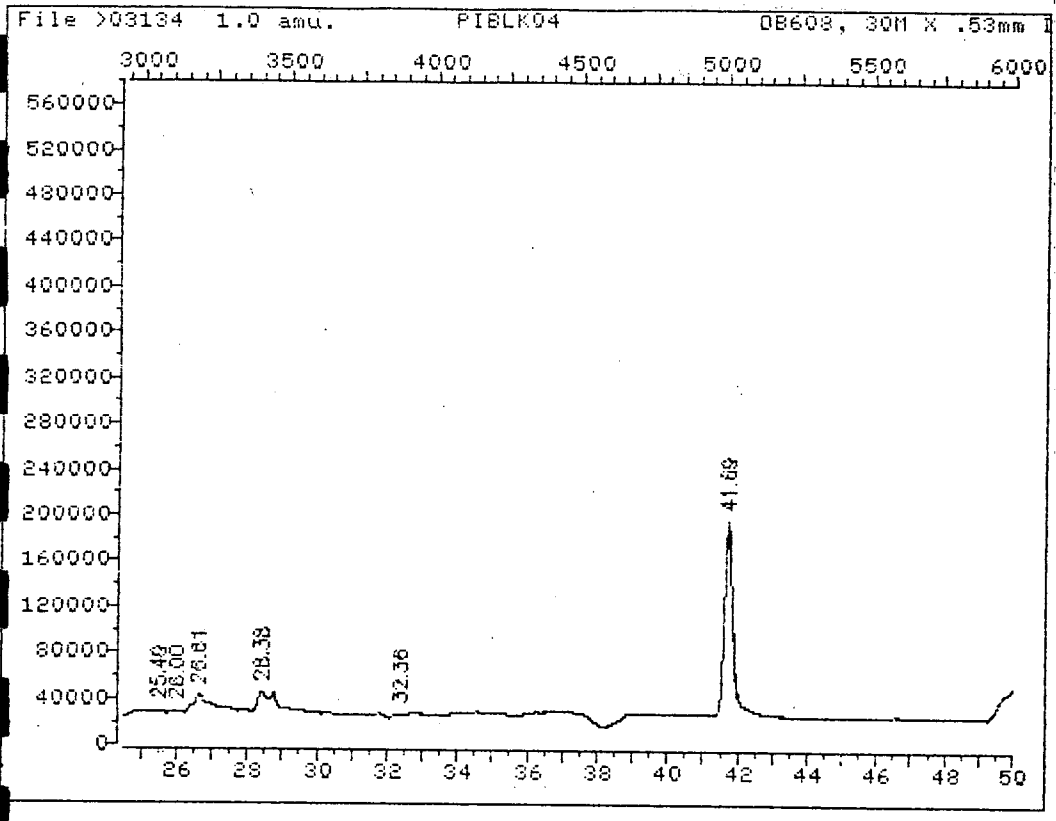


Data File: >03134::G3 Quant Output File: ^03134::F3
Name: PIBLK04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

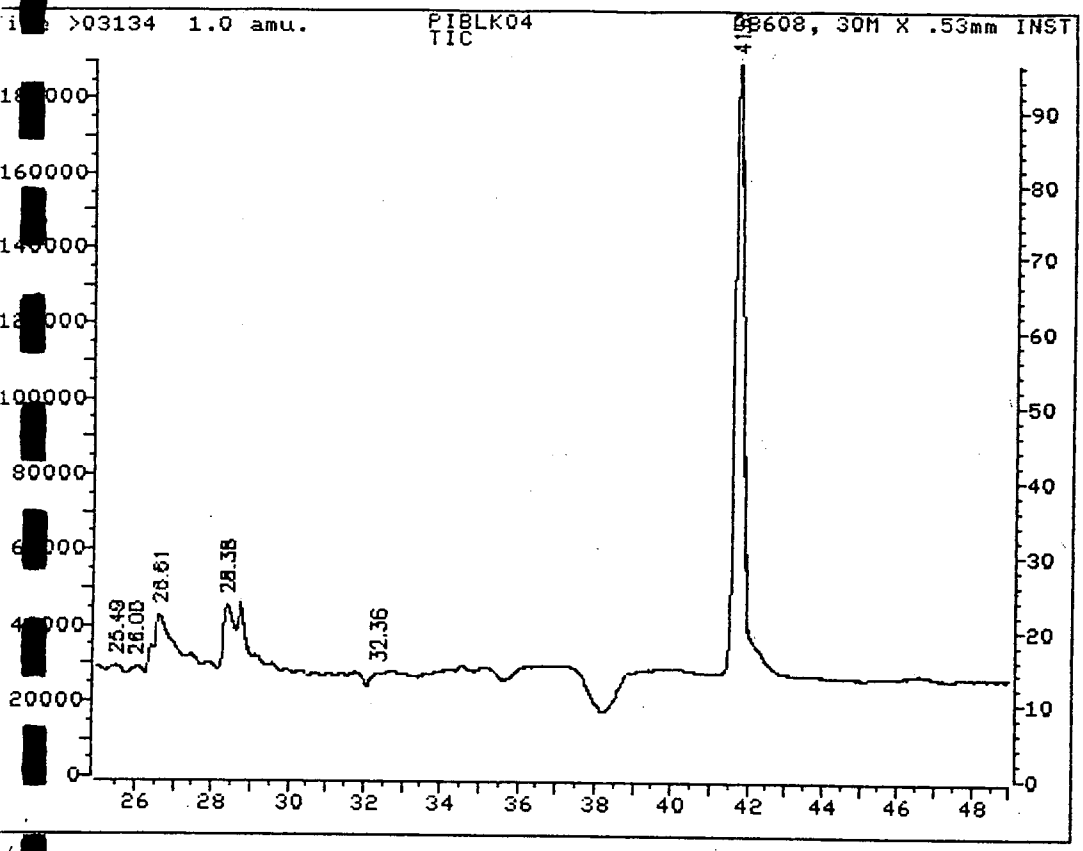


Data File: >03134::G3 Quant Output File: ^03134::F3
Name: PIBLK04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960705 18:00
Injected at: 960703 10:22

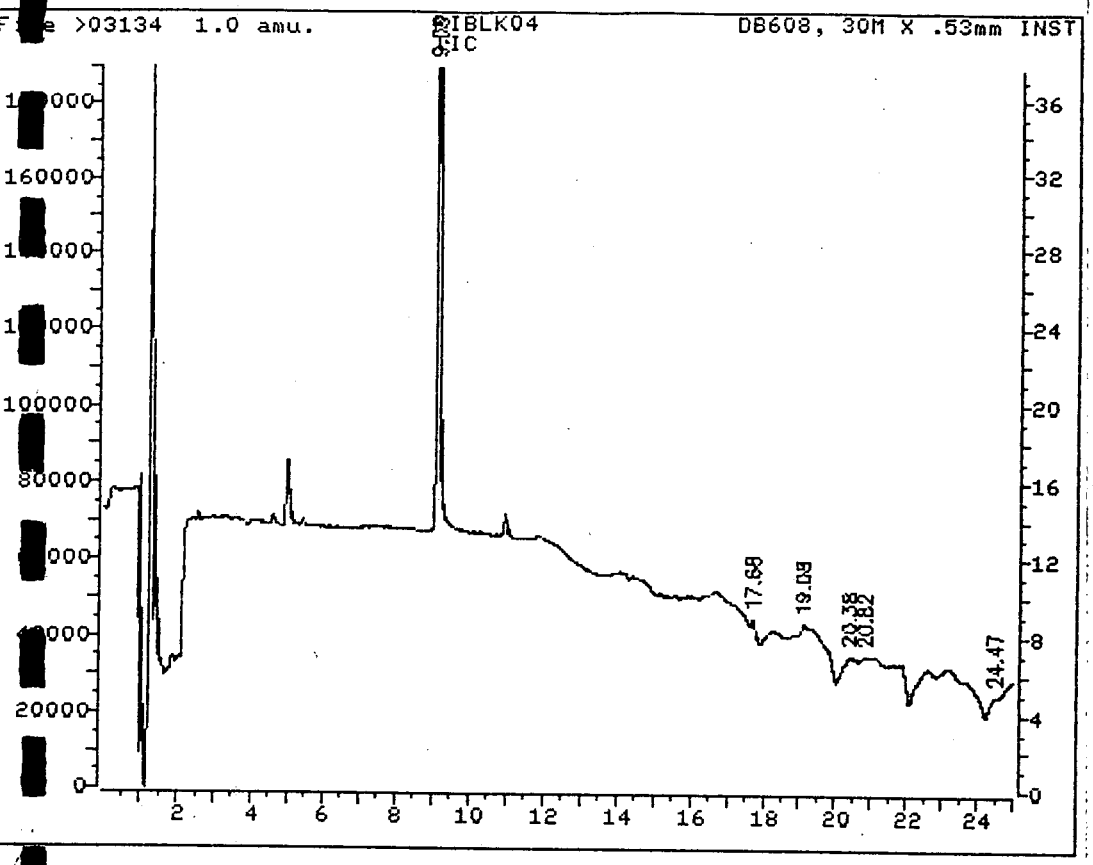
Page 2 of 2



MS data file header from : >03134::G3

ample: PIBLK04 Operator: TRFIL 7/03/96 10:22
lisc : DB608, 30M X .53mm INST 58903, 1ul INJ
y. #: 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
Output File: ^04134::F3
Data File: >04134::G5
Name: PIBLK04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

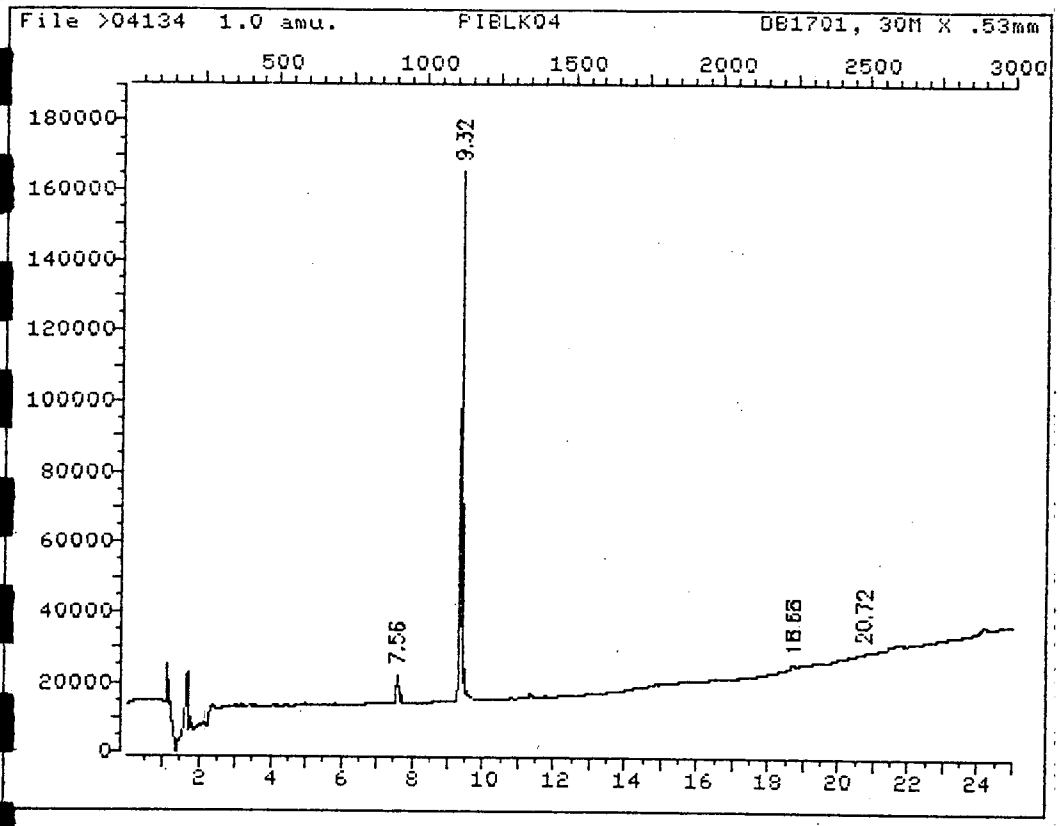
Quant Rev: 7
Quant Time: 960708 12:32
Injected at: 960703 10:22
Dilution Factor: 1.00000
Instrument ID: GC04

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
[illegible])	#Tetrachloro-m-xylene	9.32	1118	838517	20.25	ng/ml	100
[illegible])	~~#beta-BHC~~ NC	18.68	2242	11801	.449	ng/ml	100
8)	~~#Heptachlor epoxide~~ NC	20.72	2486	21908	.502	ng/ml	100
[illegible])	~~#Endosulfan I~~ INC	26.84	3221	17292	.483	ng/ml	100
[illegible])	~~#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
[illegible])	#Decachlorobiphenyl	38.73	4647	975655	20.89	ng/ml	100
[illegible])	~~#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
[illegible])	~~#Aroclor-1016(5)~~ NP	18.68	2242	11801	5.73	ng/ml	100
40)	~~#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

JM 7/16/96

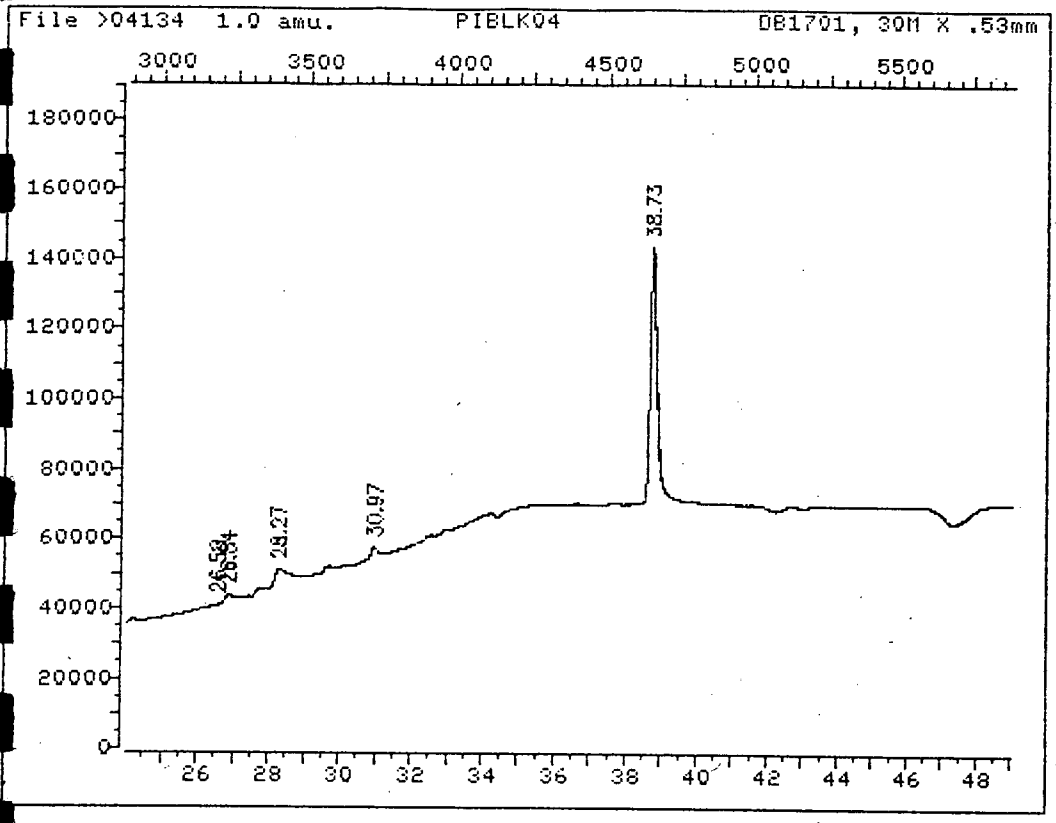


Data File: >04134::G5 Quant Output File: ^04134::F3
Name: PIBLK04 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

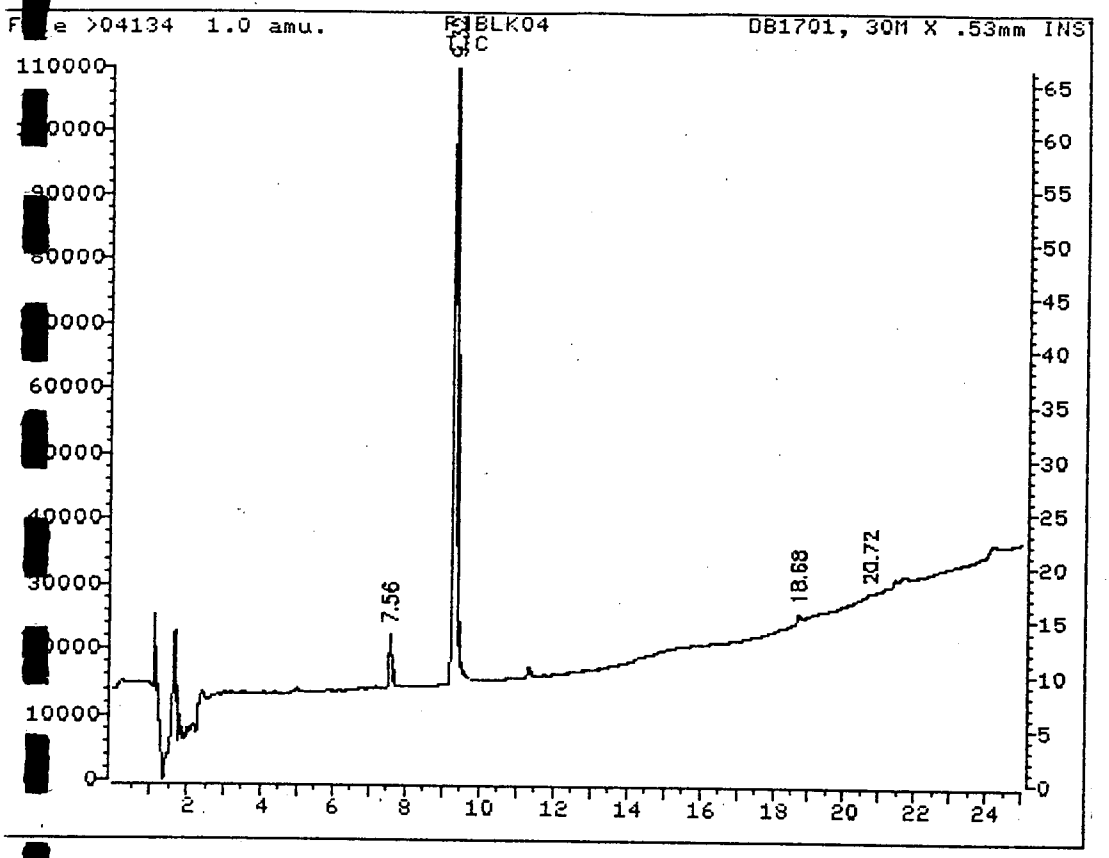


Data File: >04134::G5 Quant Output File: ^04134::F3
Name: PIBLK04 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

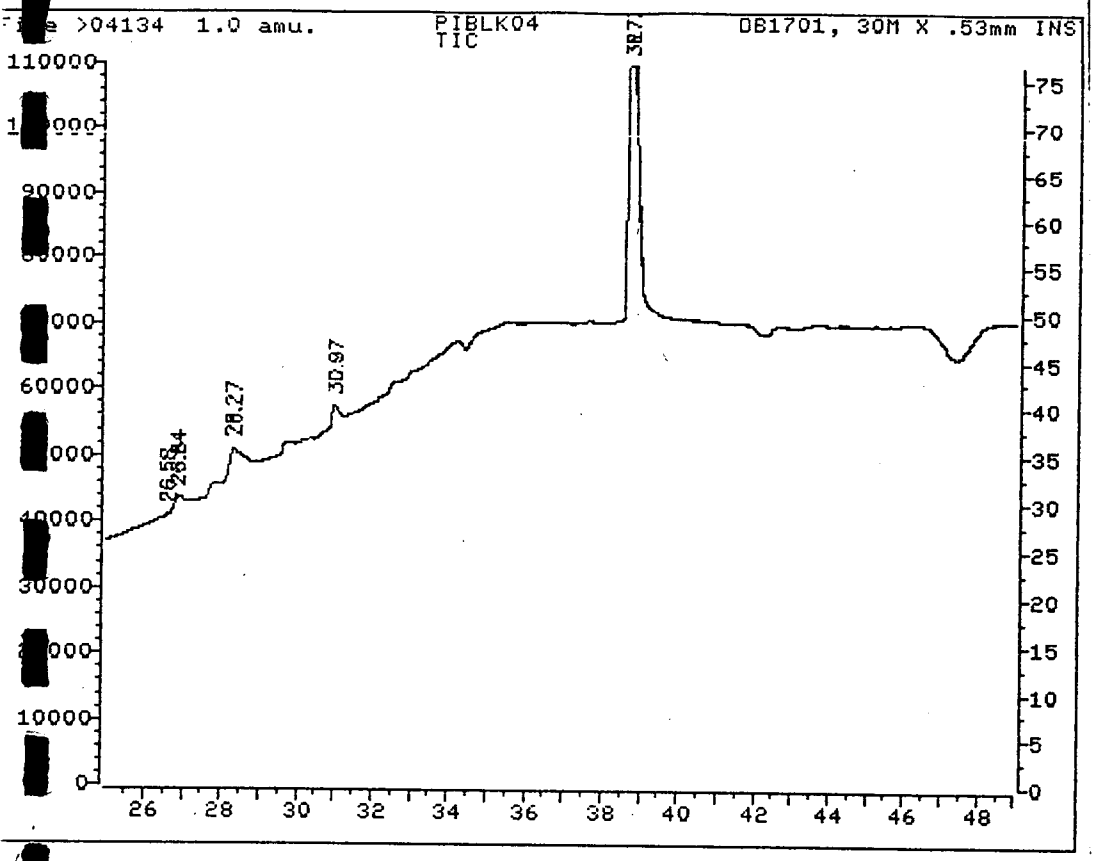
Page 2 of 2



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
Ses. #: 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.: RINSA

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

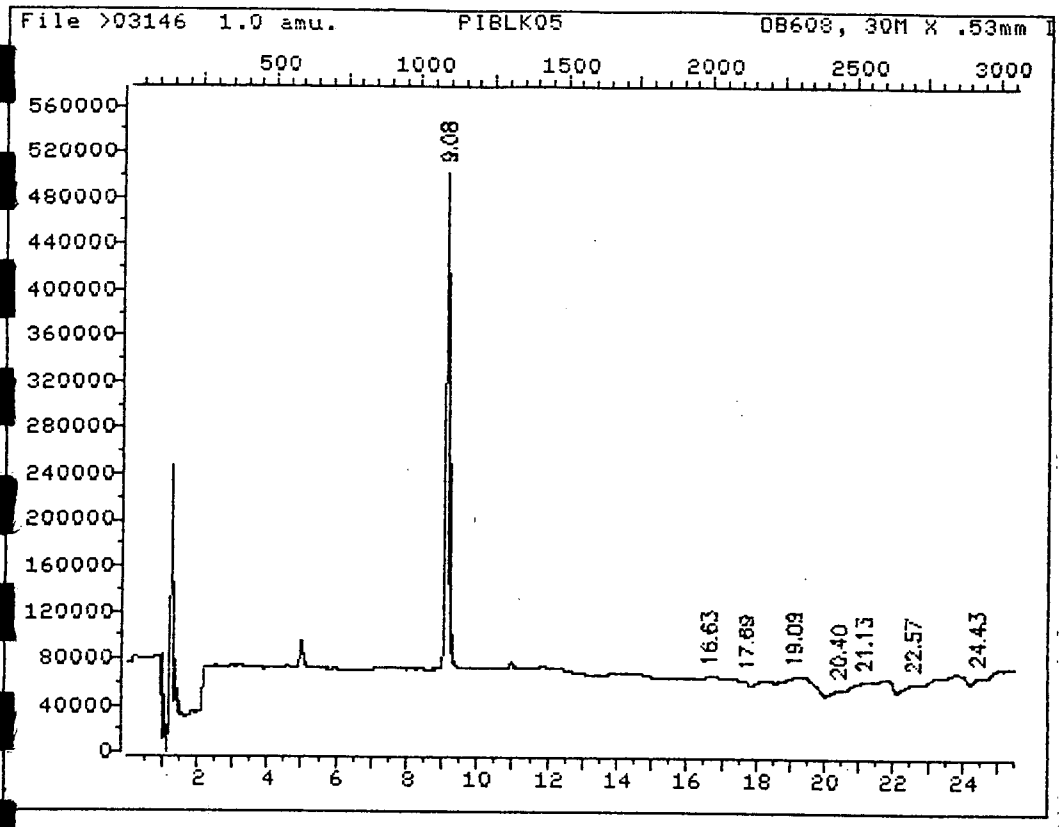
)[redacted]erator ID: TRFIL Quant Rev: 7 Quant Time: 960705 18:17
)[redacted]tput File: ^03146::F3 Injected at: 960703 00:16
)ata File: >03146::G3 Dilution Factor: 1.00000
[redacted]me: PIBLK05 Instrument ID: GC03
1[redacted]c: DB608, 30M X .53mm INST 58903, 1ul INJ

:D File: IDCAP1::SC
[redacted]le: Capillary Column DB 608
[redacted]t Calibration: 941029 10:07 Last Qcal Time: 960702 00:13

	Compound	R.T.	Scan#	Area	Conc	Units	q
[redacted])	#Tetrachloro-m-xylene	9.08	1090	2474318	19.77	ng/ml	100
4)	~~#delta BHC~~ OU	16.63	1996	13207	.109	ng/ml	100
15)	#Endosulfan Sulfate NC	28.39	3406	218358	2.46	ng/ml	100
[redacted])	#Decachlorobiphenyl	41.69	5003	2170367	18.13	ng/ml	100
[redacted])	#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
[redacted])	#Aroclor-1016(4) NP	16.63	1996	13207	3.54	ng/ml	100
[redacted])	#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
[redacted])	#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
[redacted])	#Aroclor-1248(4) NP	20.40	2448	82948	17.12	ng/ml	100
[redacted])	#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
[redacted])	#Aroclor-1260(3) NP	26.64	3196	468969	89.84	ng/ml	100
[redacted])	#Aroclor-1260(4) NP	29.99	3598	30357	2.81	ng/ml	100

Compound uses ESTD

7/16/90

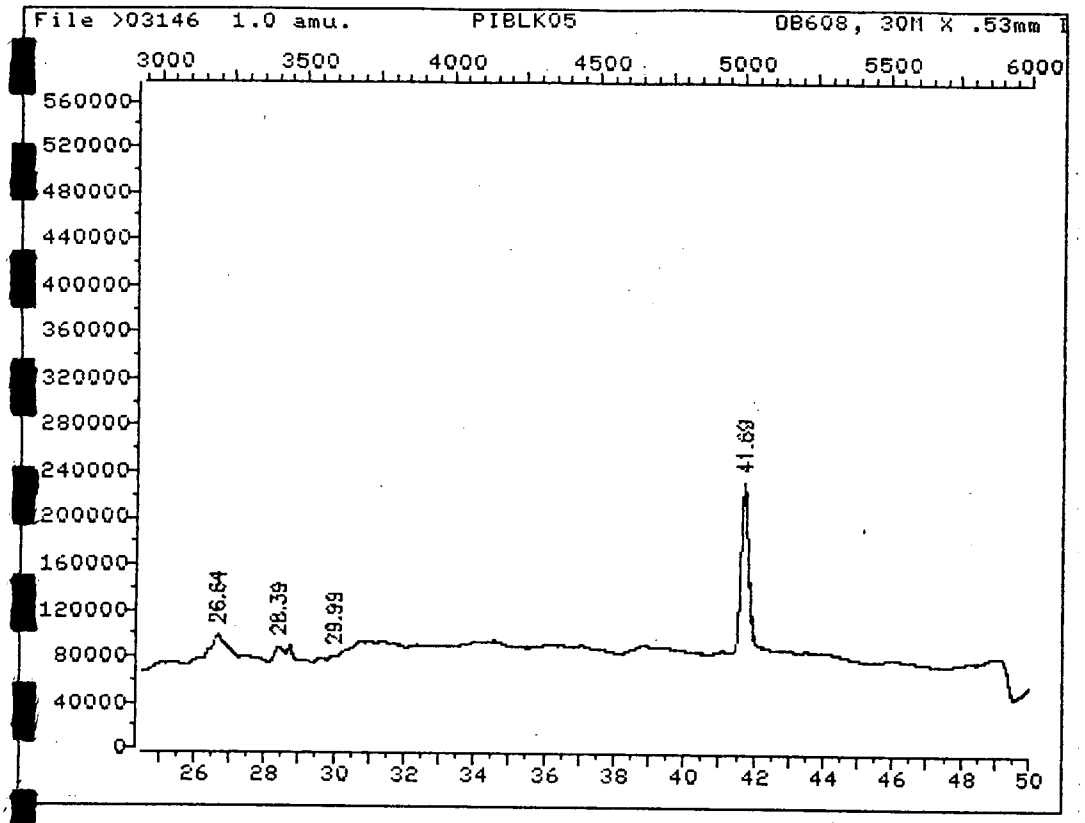


Data File: >03146::G3 Quant Output File: ^03146::F3
Name: PIBLK05 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

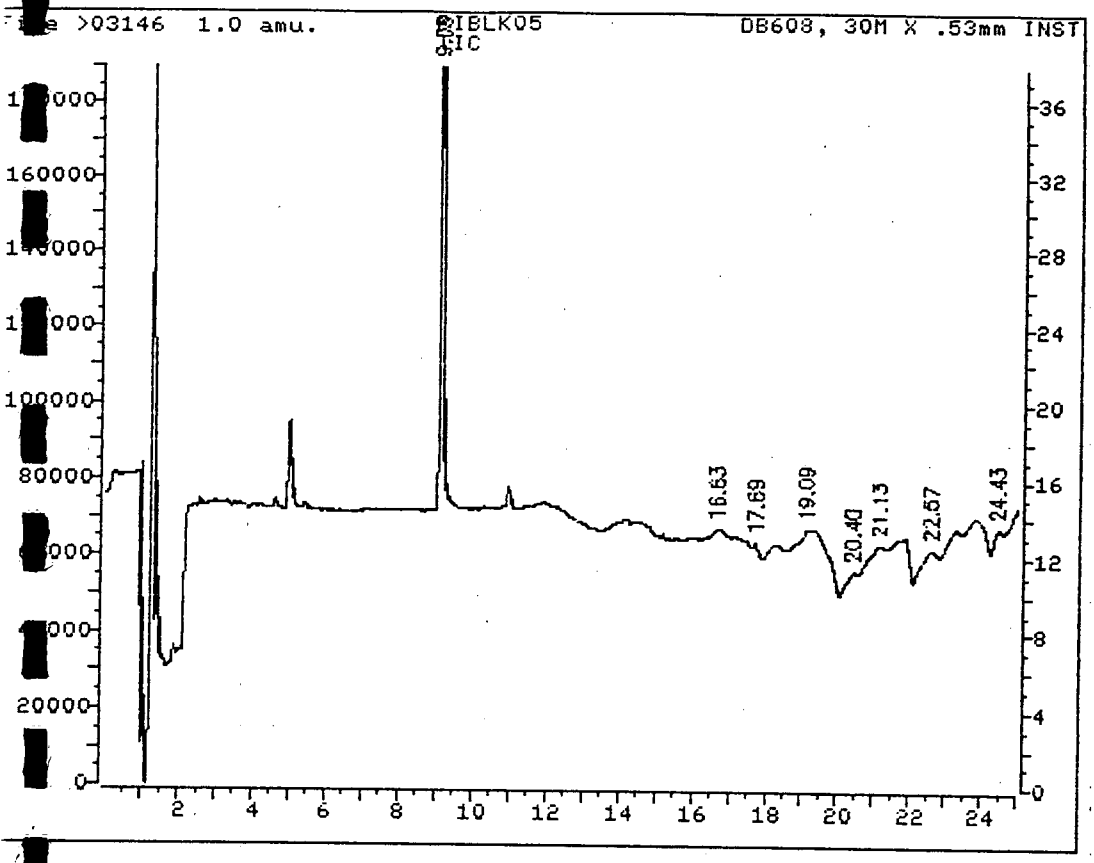


Data File: >03146::G3 Quant Output File: ^03146::F3
Name: PIBLK05 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

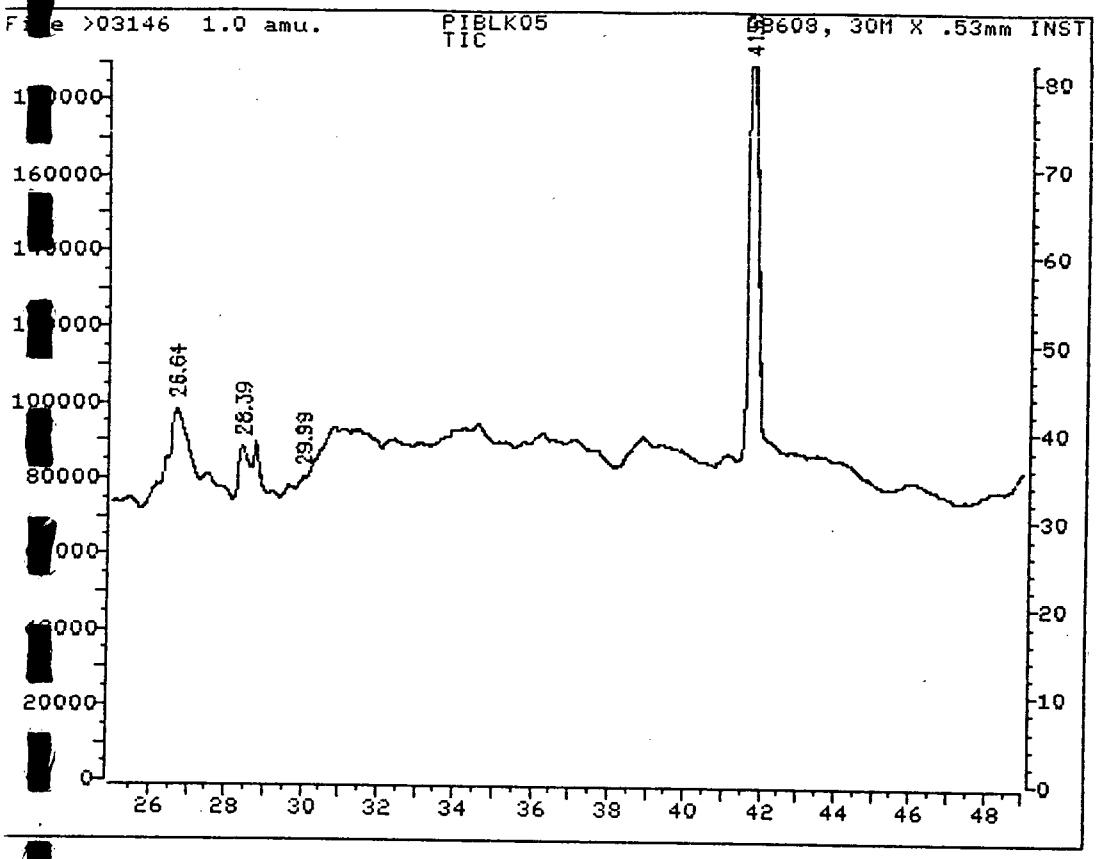
Page 2 of 2



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
Sub. #: 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

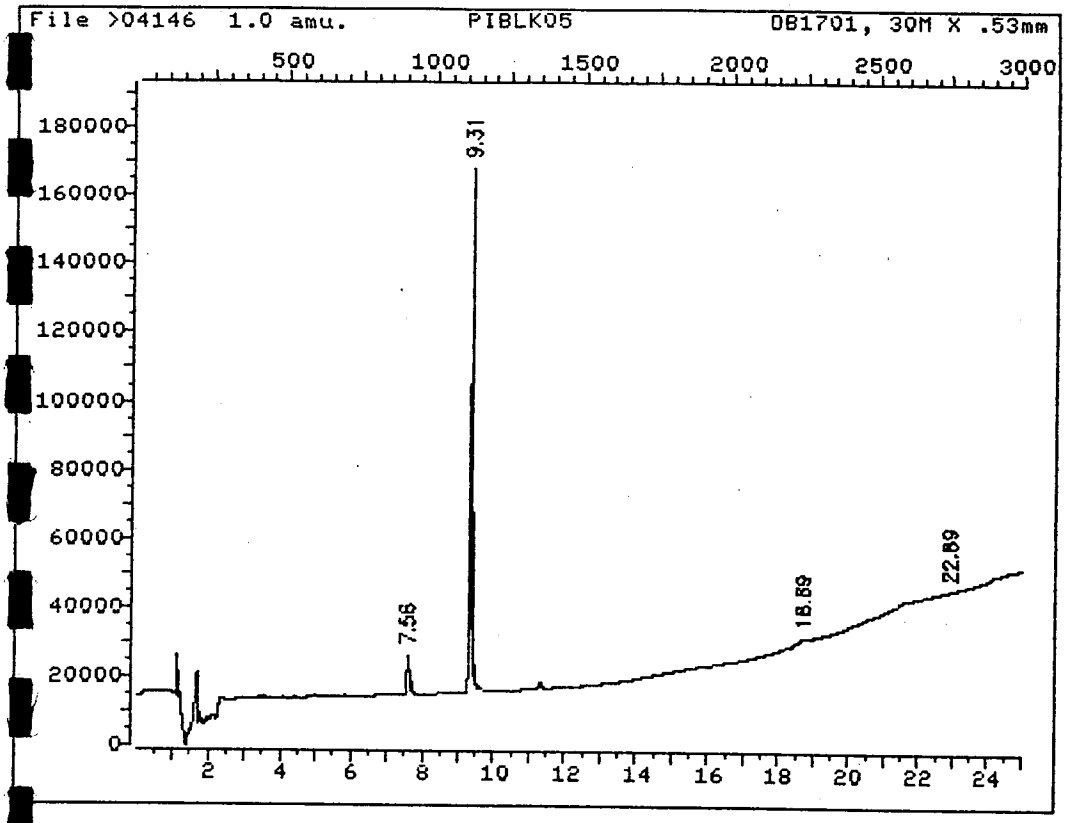
Quant Rev: 7
Quant Time: 960708 12:49
Injected at: 960703 00:16
Dilution Factor: 1.00000
Instrument ID: GC04

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
~~14) #4,4'-DDE~~ OW	22.89	2747	37912	1.37	ng/ml	100
~~15) #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
1[illegible]) #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
3[illegible]) #Toxaphene(2) NP	28.23	3387	21563	29.92	ng/ml	100
3[illegible]) #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
5[illegible]) #Aroclor-1260(5) NP	32.06	3847	78849	31.75	ng/ml	100

Compound uses ESTD

7/16/96

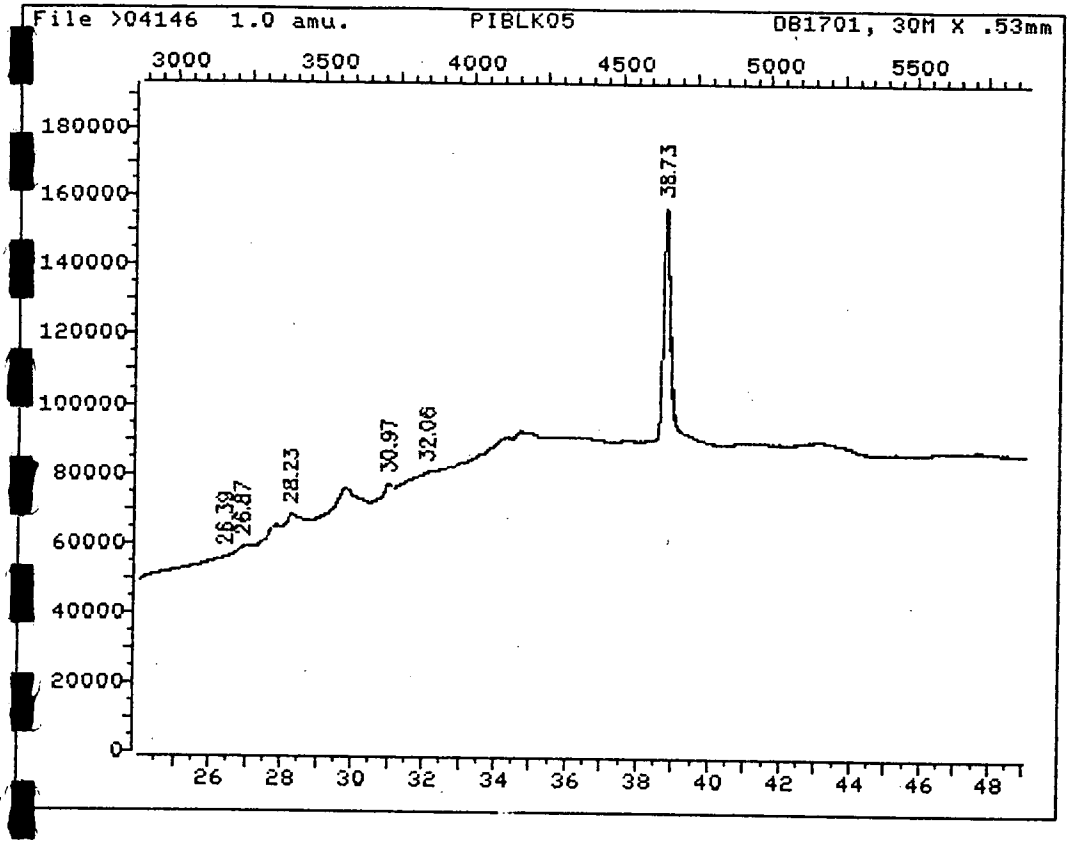


Data File: >04146::G5 Quant Output File: ^04146::F3
Name: PIBLK05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

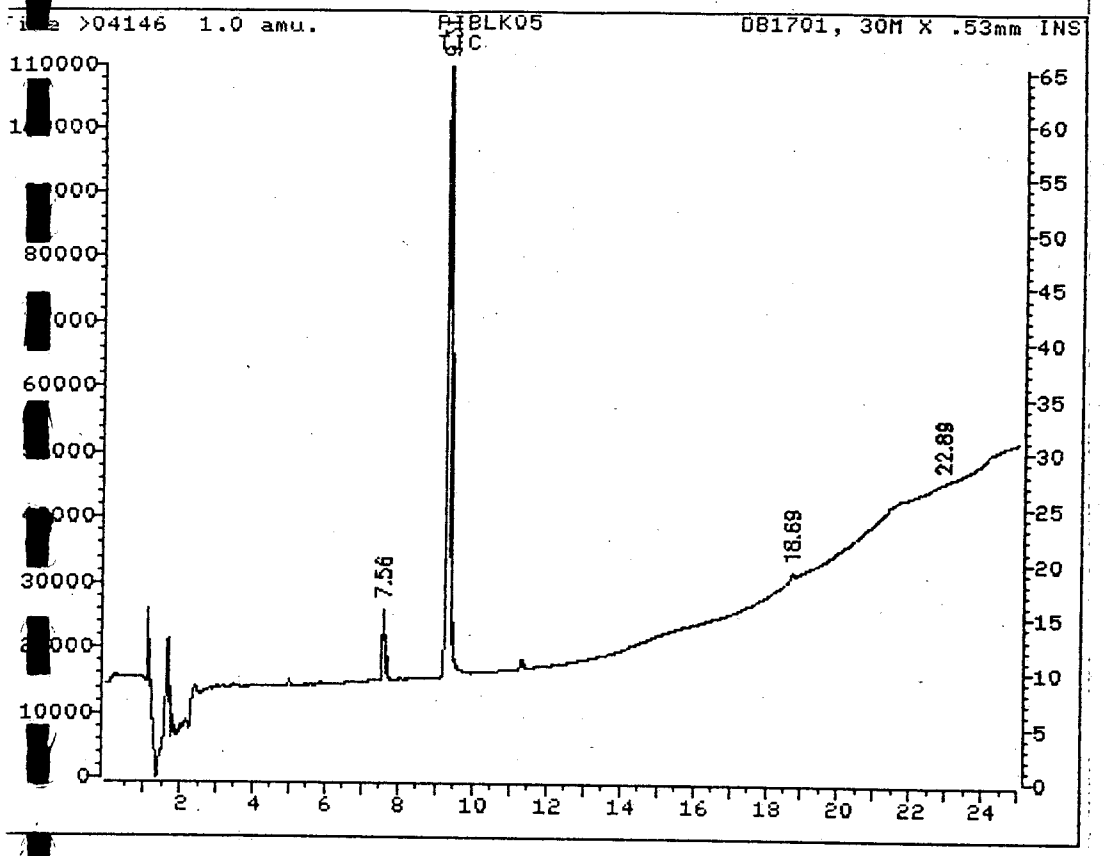


Data File: >04146::G5 Quant Output File: ^04146::F3
Name: PIBLK05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

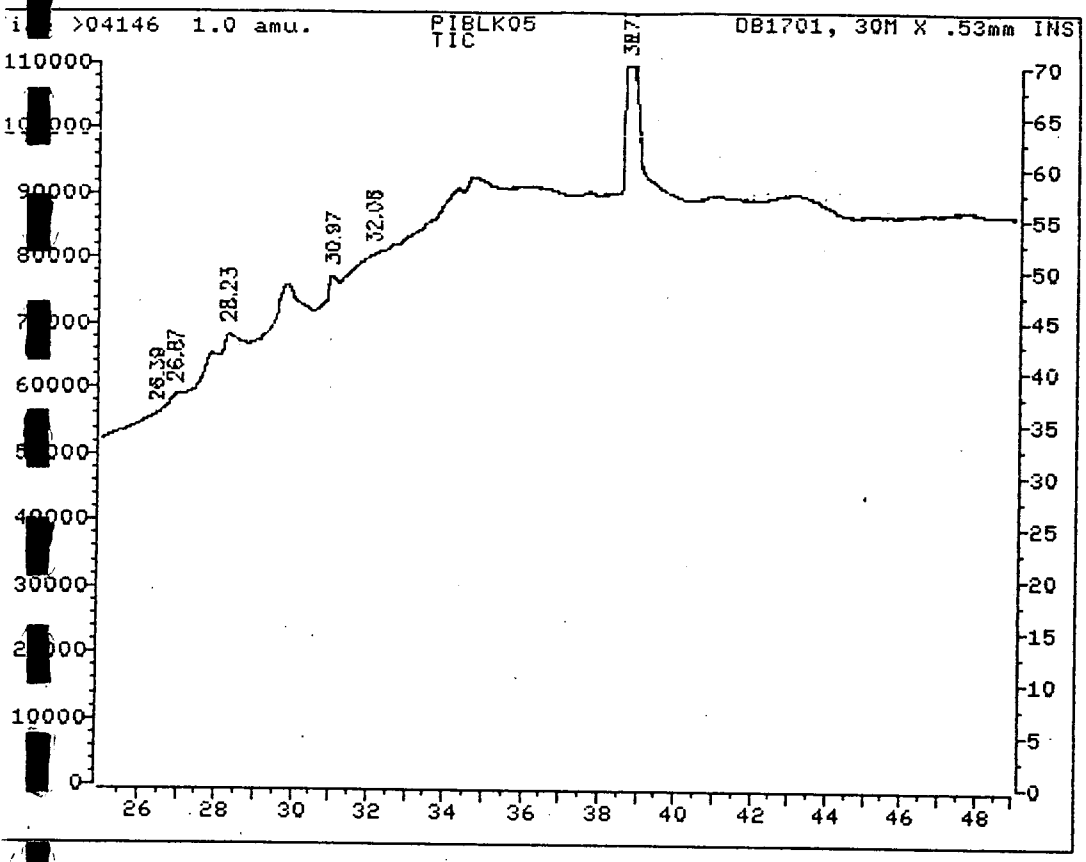
Page 2 of 2



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

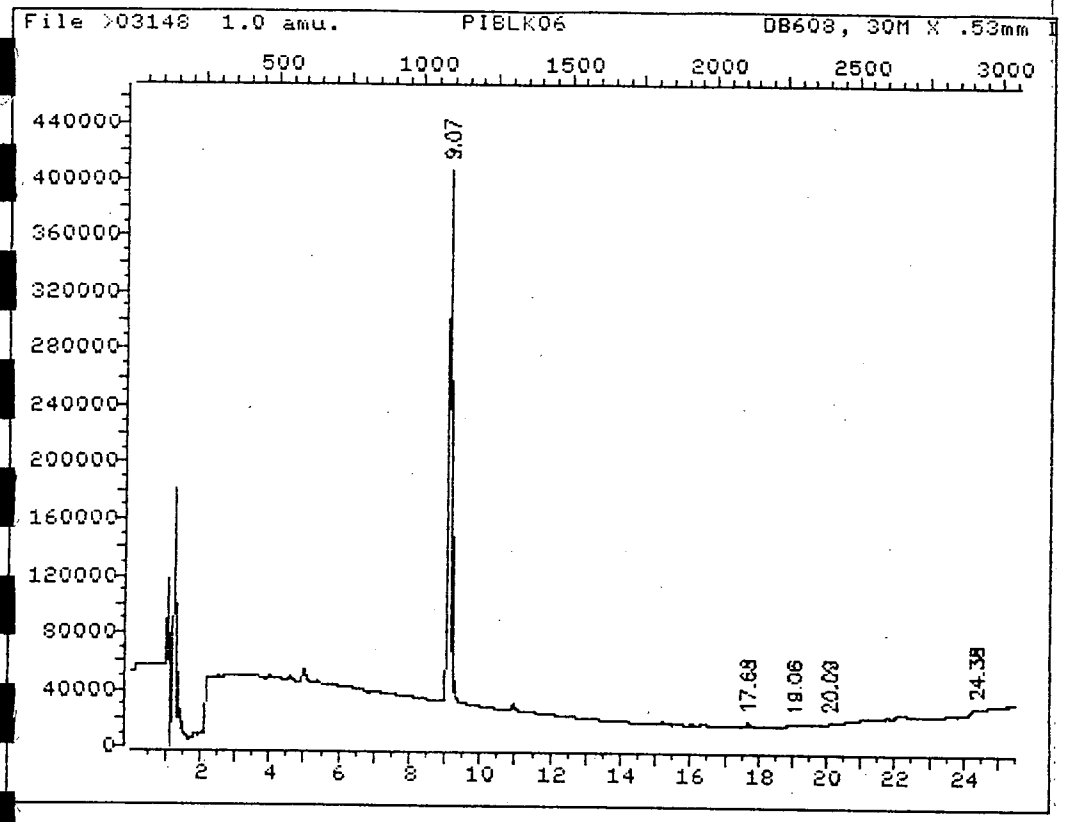
Quant Rev: 7
Quant Time: 960706 12:34
Injected at: 960706 11:41
Dilution Factor: 1.00000
Instrument ID: GC03

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	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
[illegible])	#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
[illegible])	~~#Toxaphene(4)~~ NP	30.49	3659	8381	4.35	ng/ml	100
[illegible])	~~#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
[illegible])	~~#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

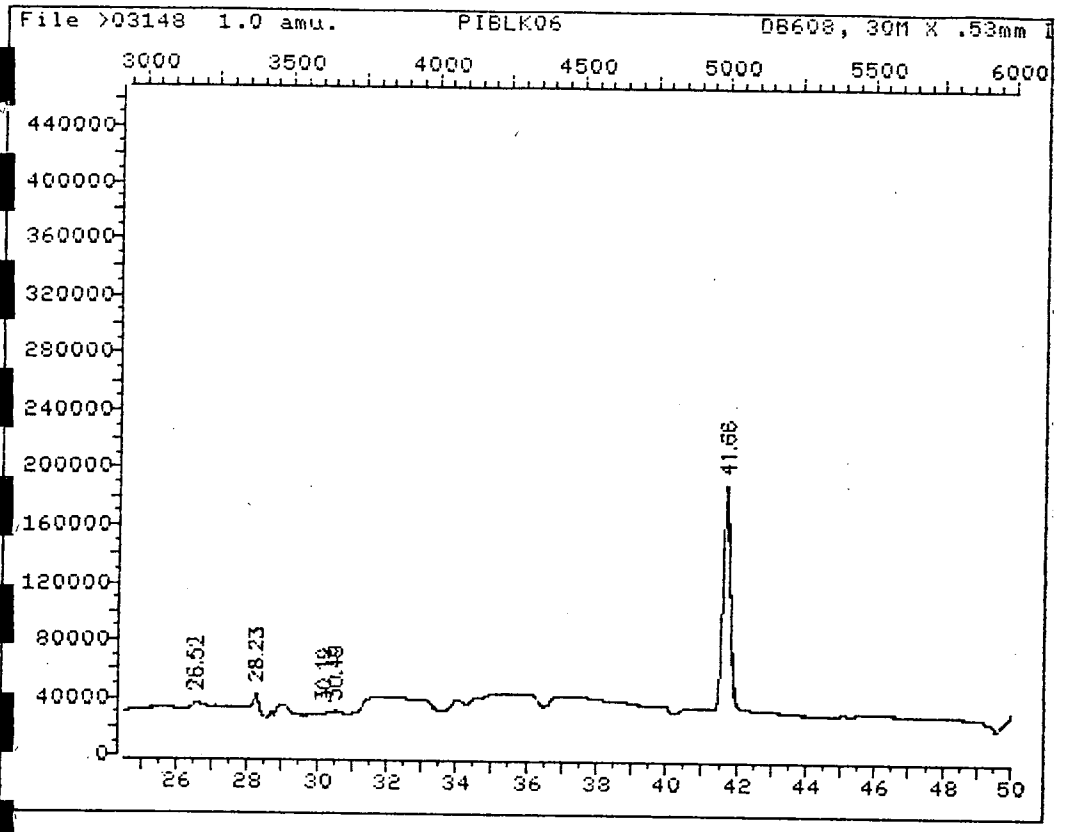


Data File: >03148::G3 Quant Output File: ^03148::F3
Name: PIBLK06 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

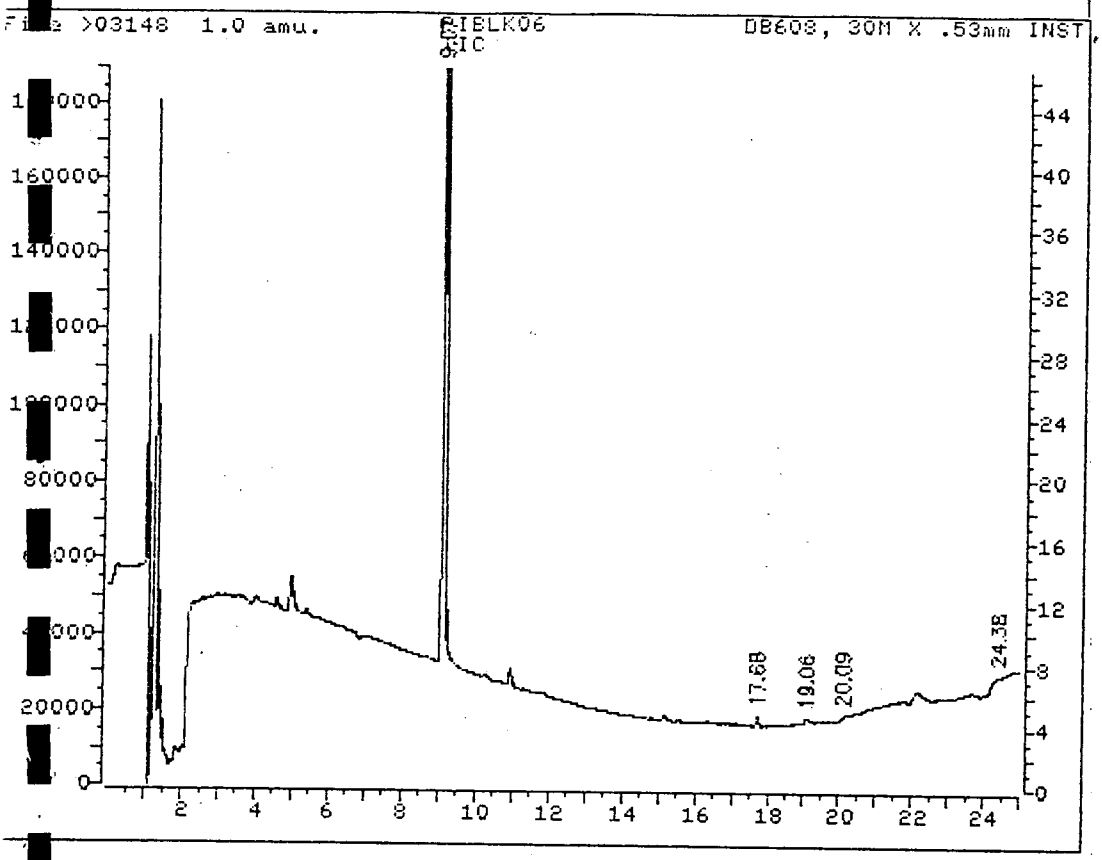


Data File: >03148::G3 Quant Output File: ^03148::F3
Name: PIBLK06 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

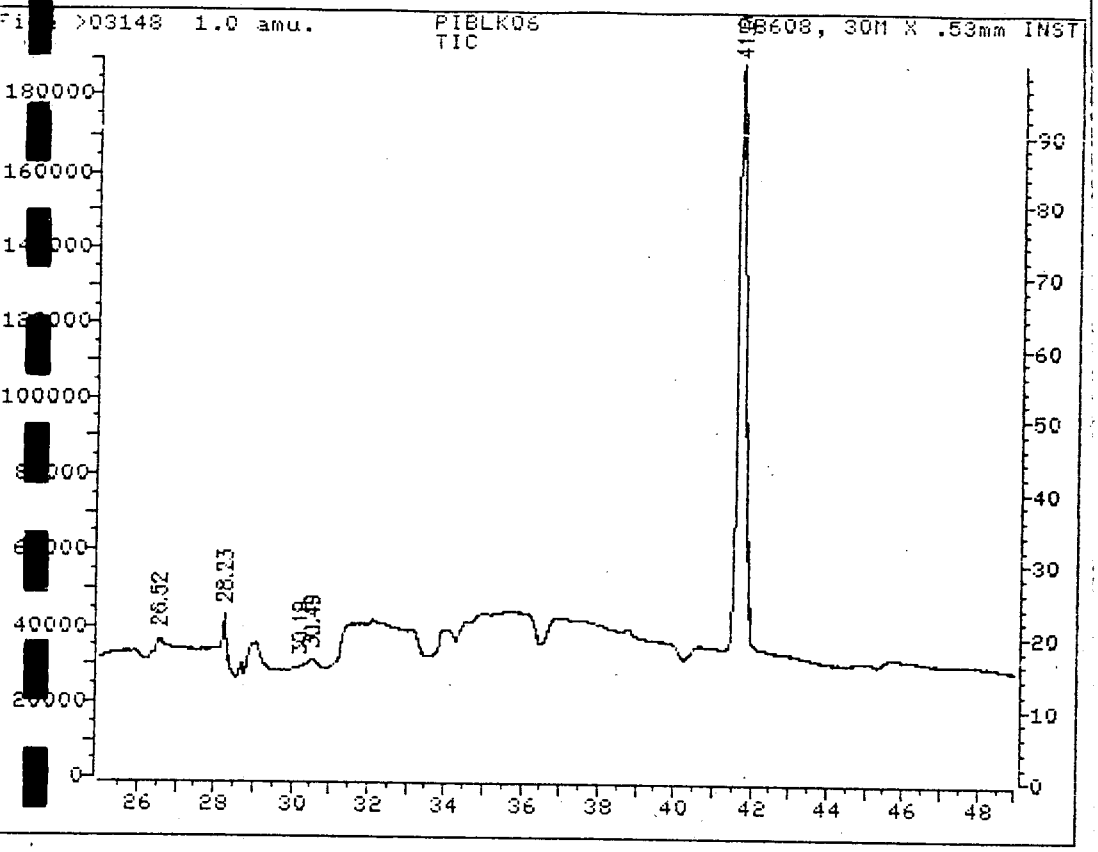
Page 2 of 2



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::G5
Name: PIBLK06
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

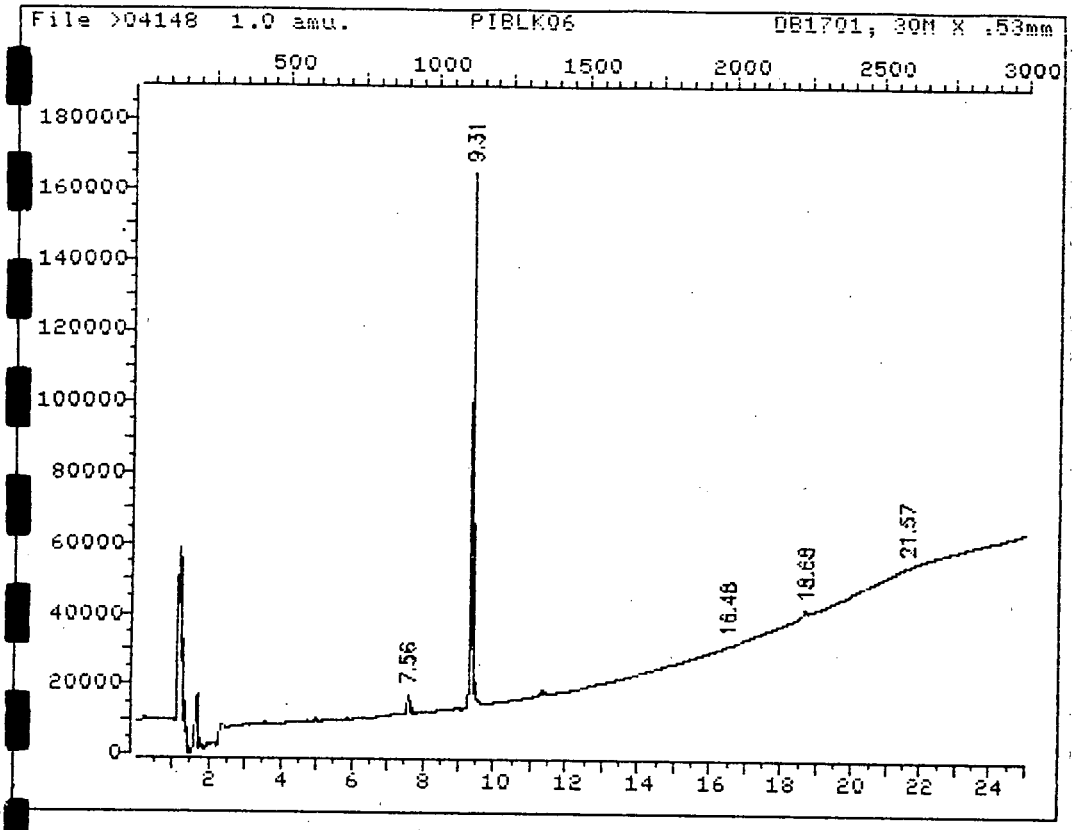
Quant Rev: 7
Quant Time: 960706 12:32
Injected at: 960706 11:41
Dilution Factor: 1.00000
Instrument ID: GC04

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

EPui
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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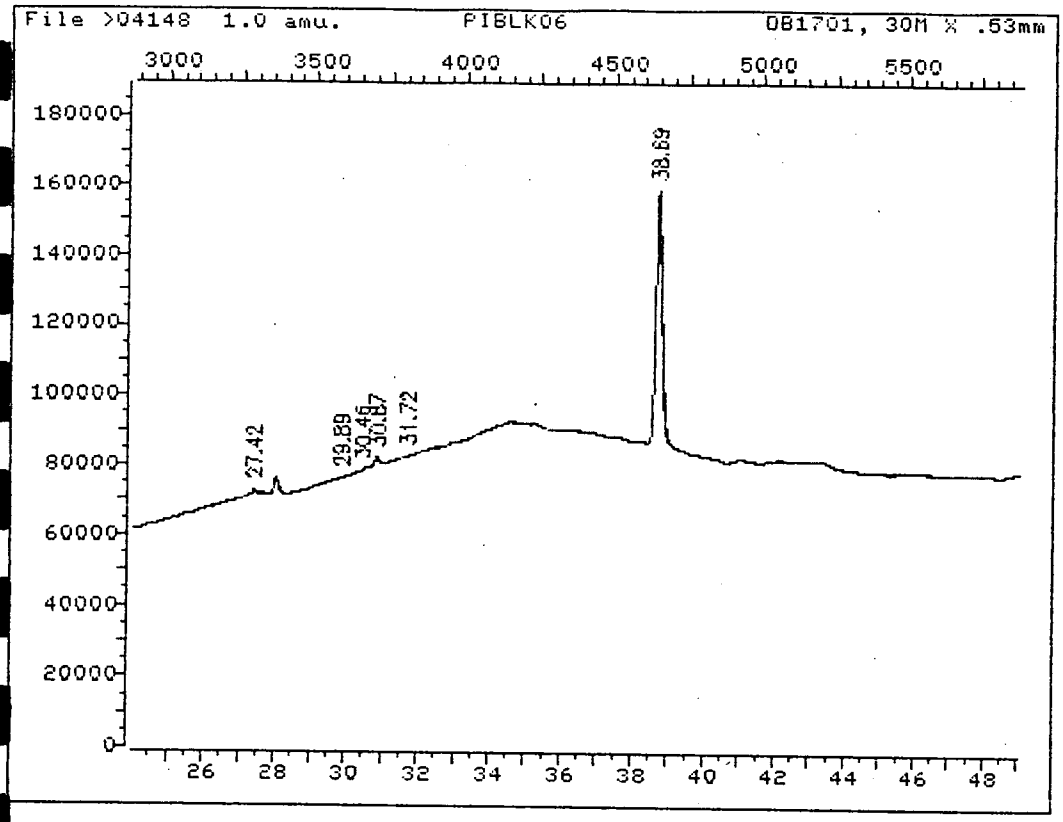
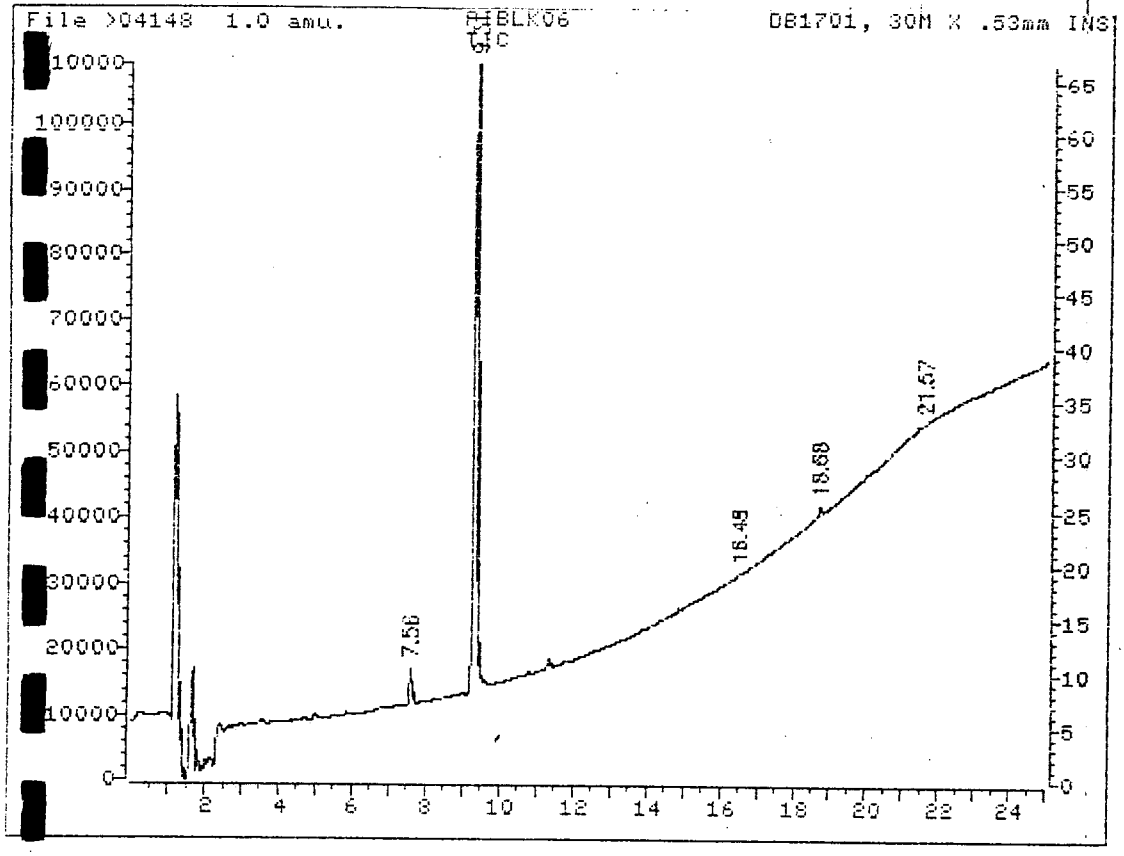


Data File: >04148::G5 Quant Output File: ^04148::F3
Name: PIBLK06 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

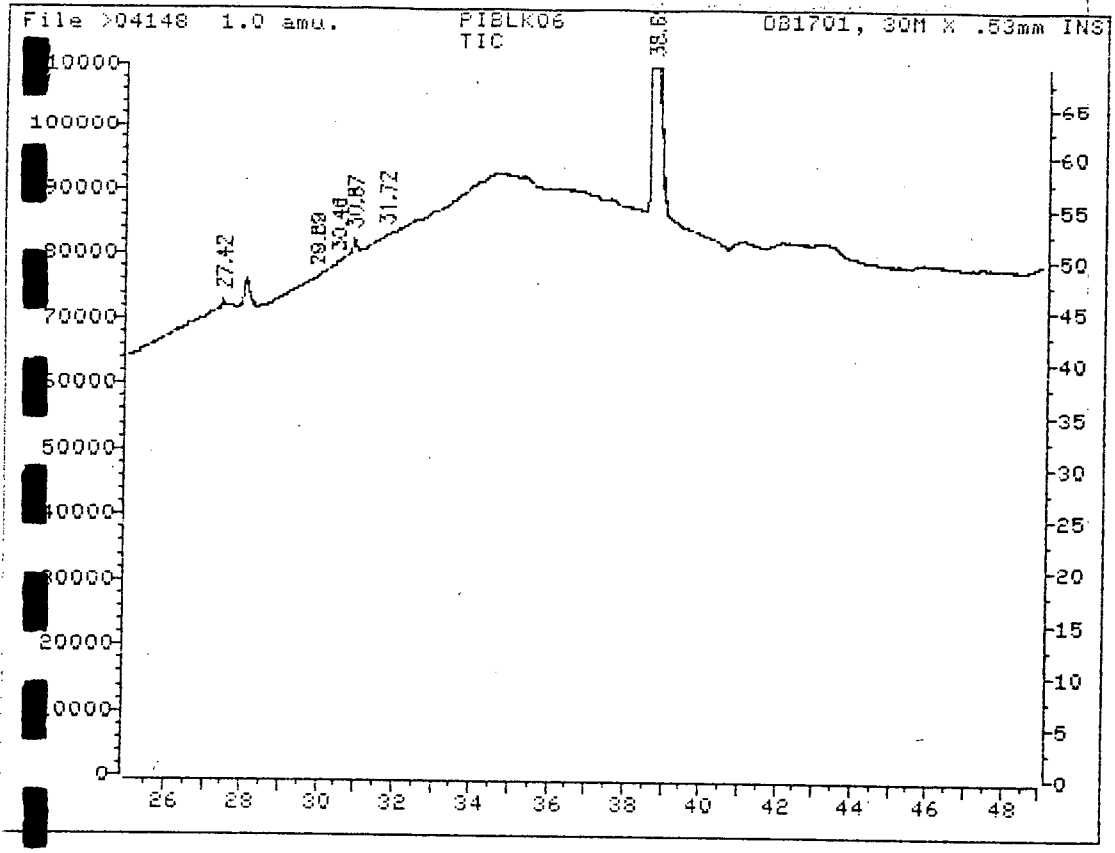
Page 2 of 2



MS data file header from : >04148::G5

Sample: PIBLK06 Operator: TRFIL 7/06/96 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



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

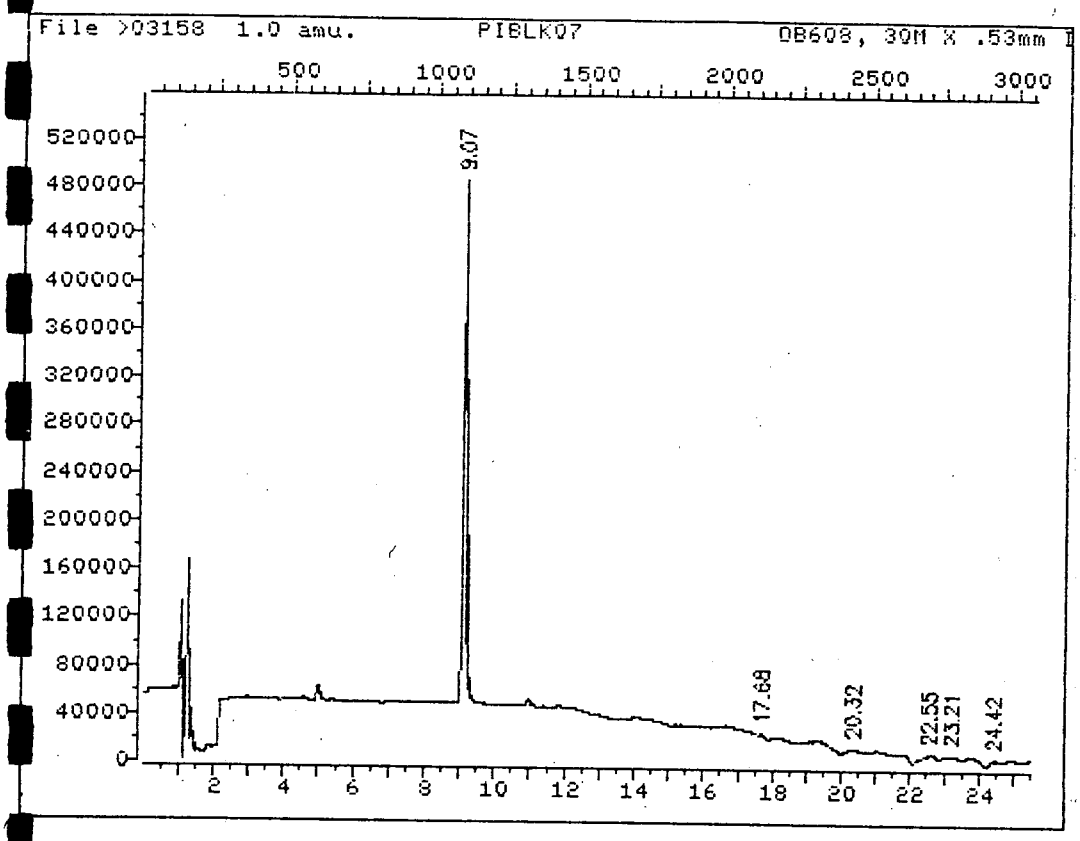
Quant Rev: 7
Quant Time: 960706 22:04
Injected at: 960706 21:11
Dilution Factor: 1.00000
Instrument ID: GC03

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)	~~#Dieldrin~~ 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
2)	~~#Aroclor-1260(1)~~ NP	24.42	2930	81088	10.46	ng/ml	100
3)	~~#Toxaphene(3)~~ NP	28.40	3408	160062	64.04	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.68	2122	32606	12.50	ng/ml	100
48)	~~#Aroclor-1248(4)~~ NP	20.32	2438	74650	15.41	ng/ml	100
2)	~~#Aroclor-1254(3)~~ NP	22.55	2706	112732	69.92	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.65	3198	136849	26.22	ng/ml	100

Compound uses ESTD

EPuci
7/8/96

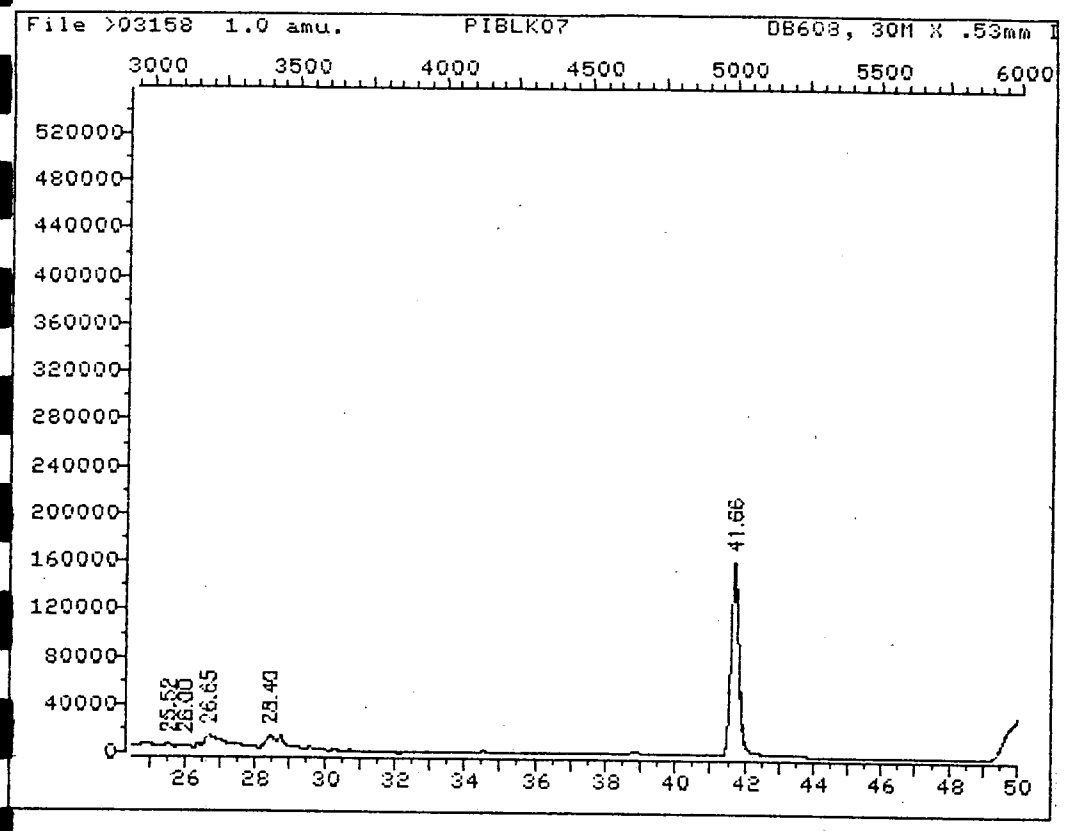


Data File: >03158::G3 Quant Output File: ^03158::F3
Name: PIBLK07 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Page 1 of 2

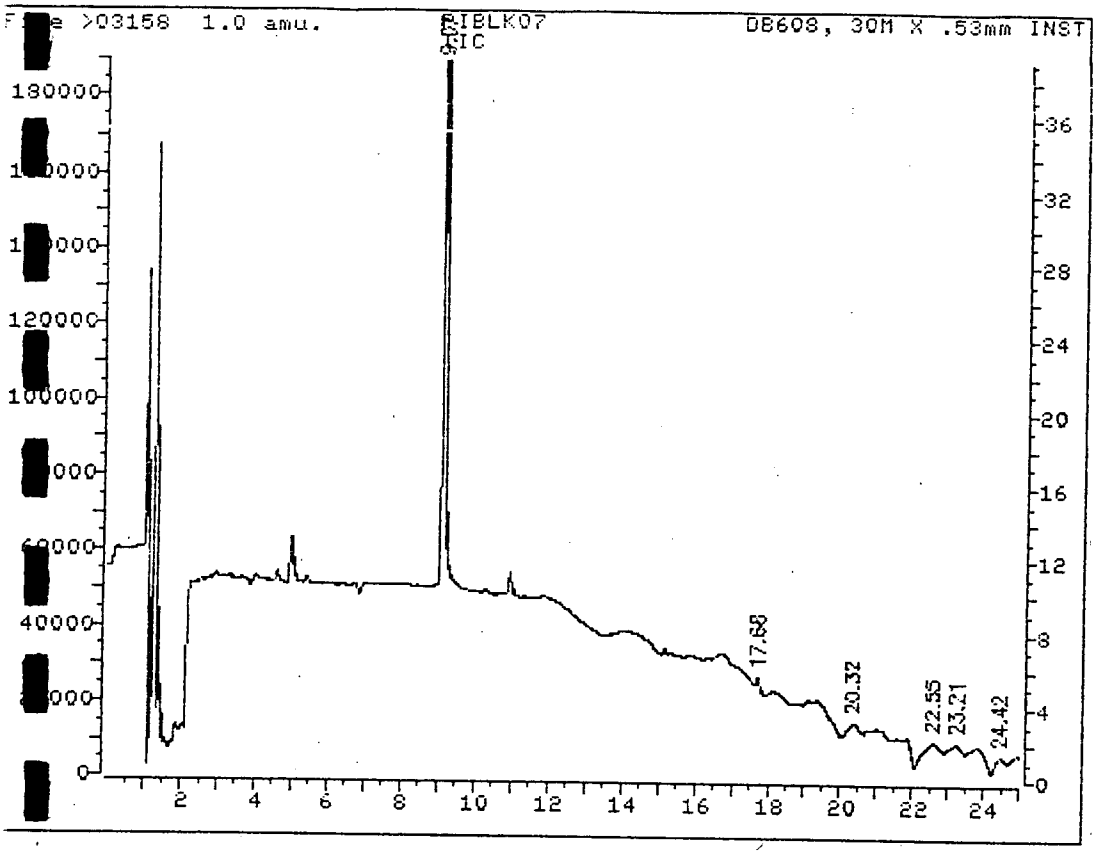


Data File: >03158::G3 Quant Output File: ^03158::F3
Name: PIBLK07 Instrument ID: GC03
Misc: DB608. 30M X .53mm INST 58903. 1ul INJ

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

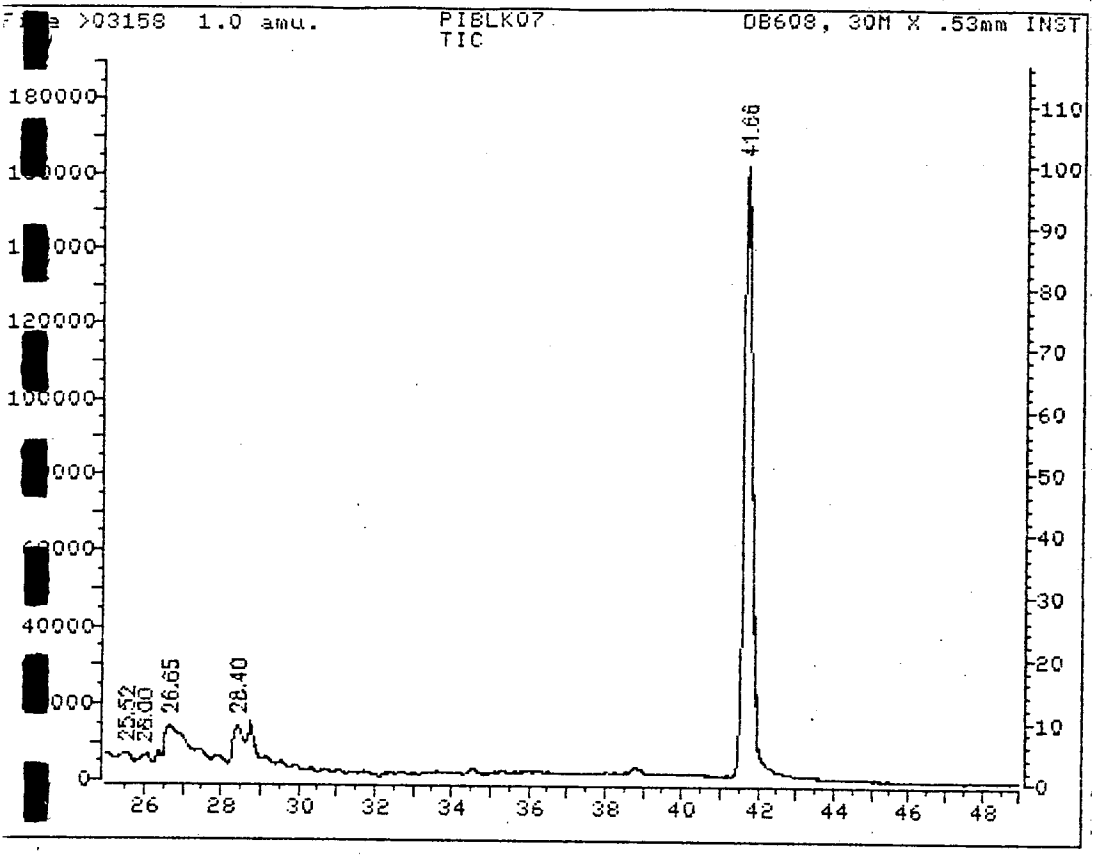
Page 2 of 2



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

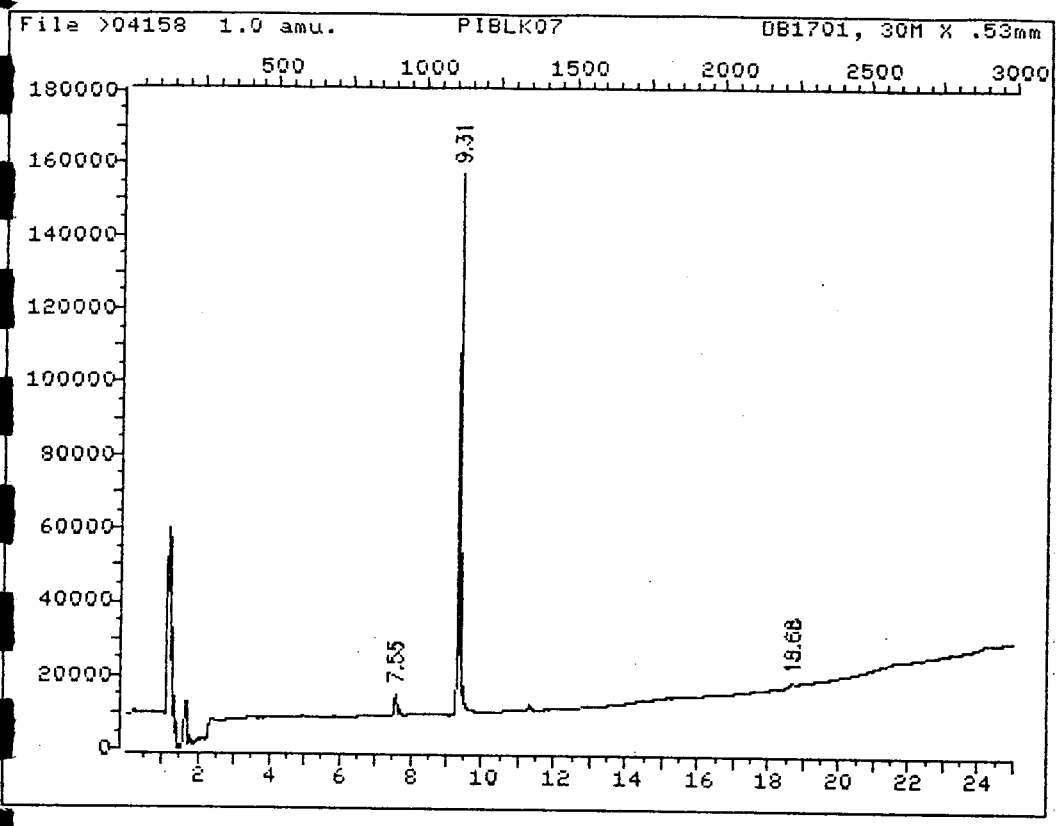
Quant Rev: 7
Quant Time: 960706 22:02
Injected at: 960706 21:11
Dilution Factor: 1.00000
Instrument ID: GC04

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
[illegible])	#Tetrachloro-m-xylene	9.31	1117	840387	20.29	ng/ml	100
[illegible])	~~#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
[illegible])	~~#Methoxychlor~~ OW	30.99	3718	81465	6.05	ng/ml	100
[illegible])	#Decachlorobiphenyl	38.72	4646	948599	20.31	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	25.15	3018	7217	13.41	ng/ml	100
2[illegible])	~~#Aroclor 1221(1)~~ NP	7.55	906	31247	39.51	ng/ml	100
2[illegible])	~~#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

EPrice
7/8/96

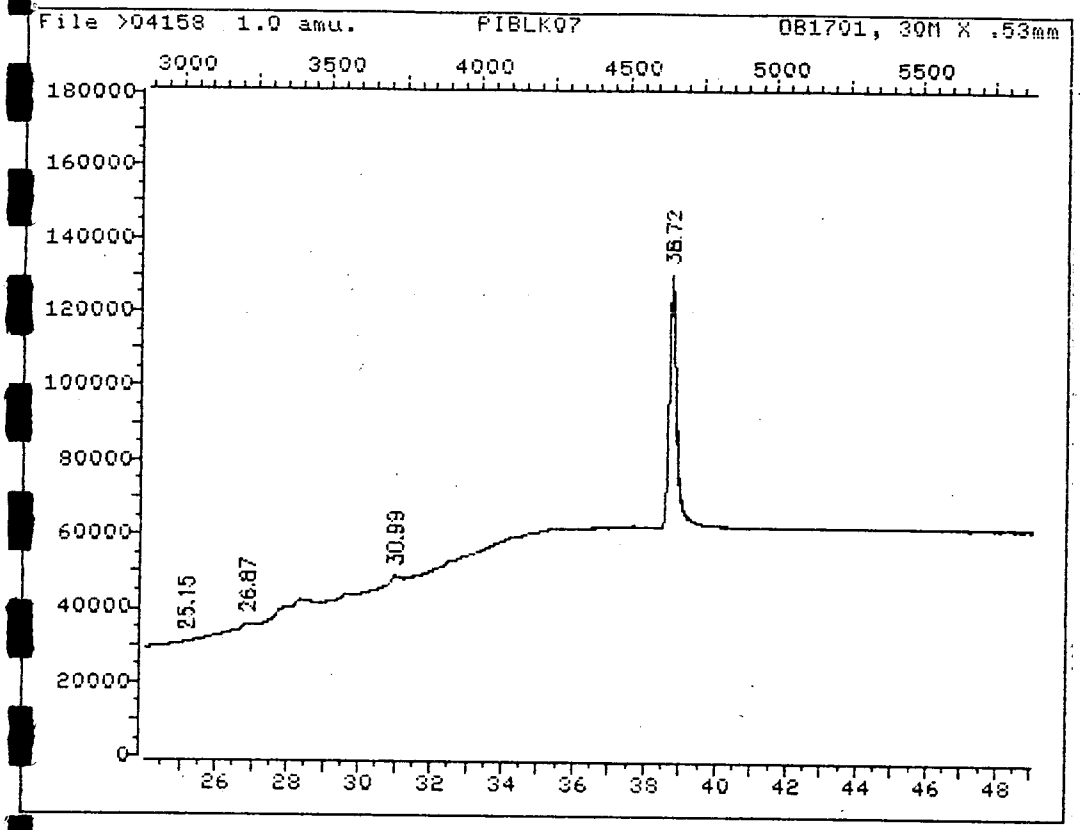


Data File: >04158::G5 Quant Output File: ^04158::F3
Name: PIBLK07 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2

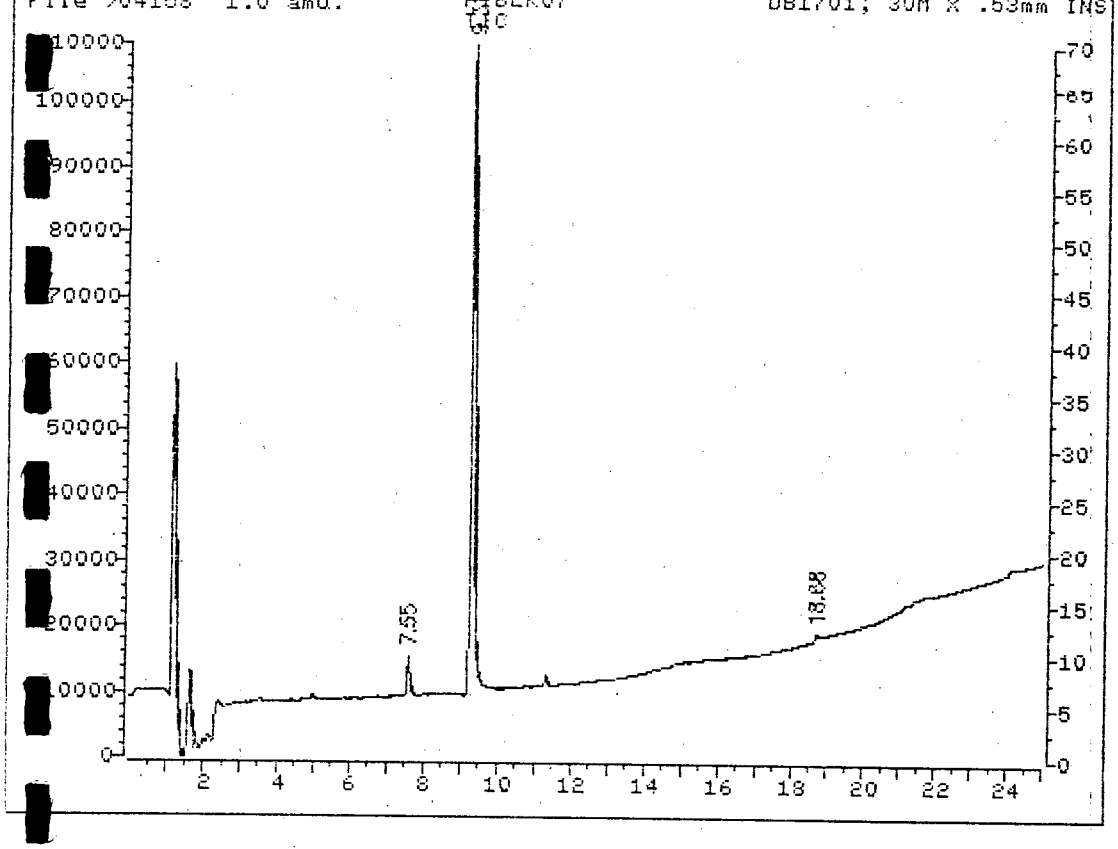


Data File: >04158::G5 Quant Output File: ^04158::F3
Name: PIBLK07 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

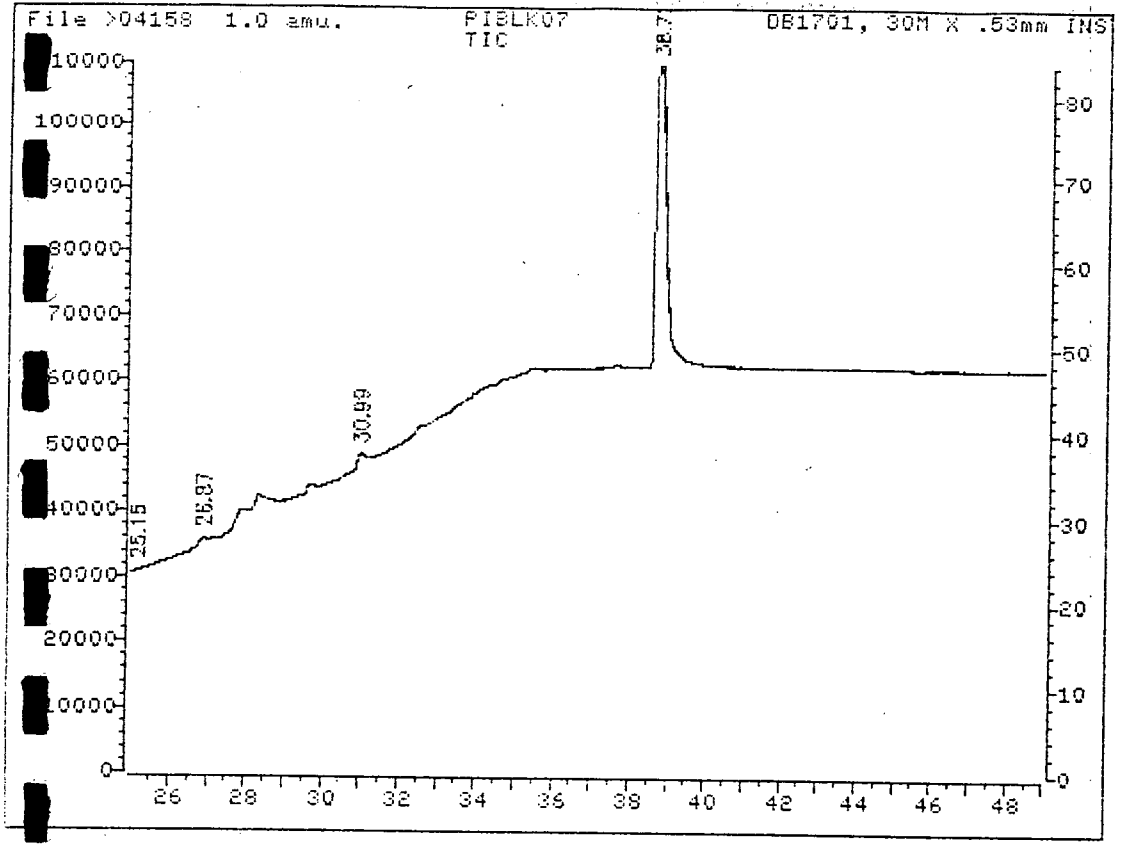
Page 2 of 2



data file header from : >04158::G5

Sample: PIBLK07 Operator: TRFIL 7/06/96 21:11
sc : DB1701, 30M X .53mm INST 58903, 1ul INJ
s. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



G data file header from : >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.

PIBLK01A

Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK01A

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

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

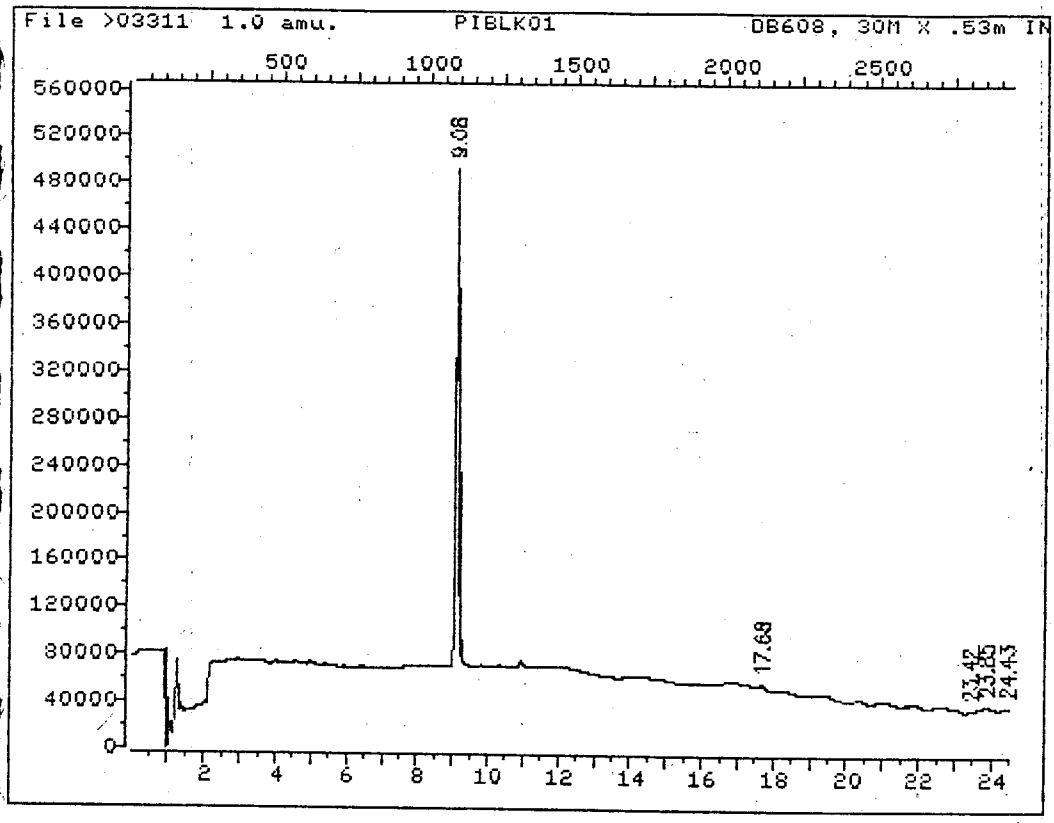
Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 00/00/00

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

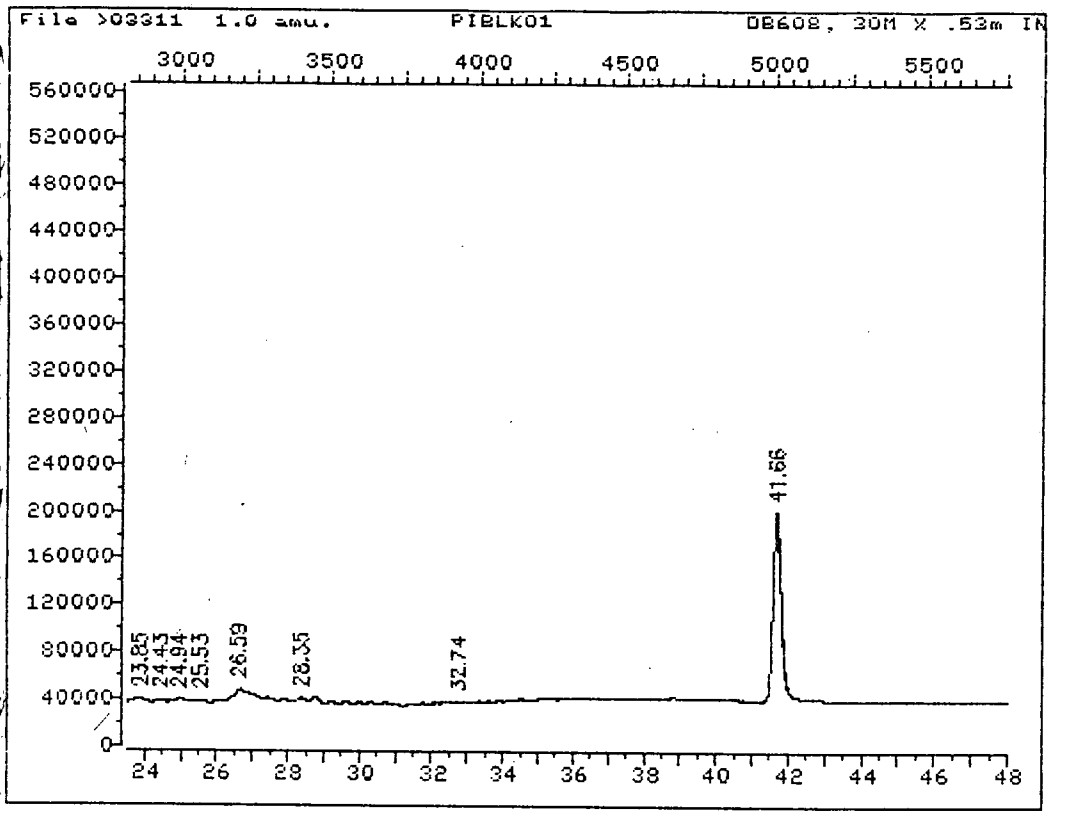


Data File: >03311::F3 Quant Output File: ^03311::GQ
Name: PIBLK01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

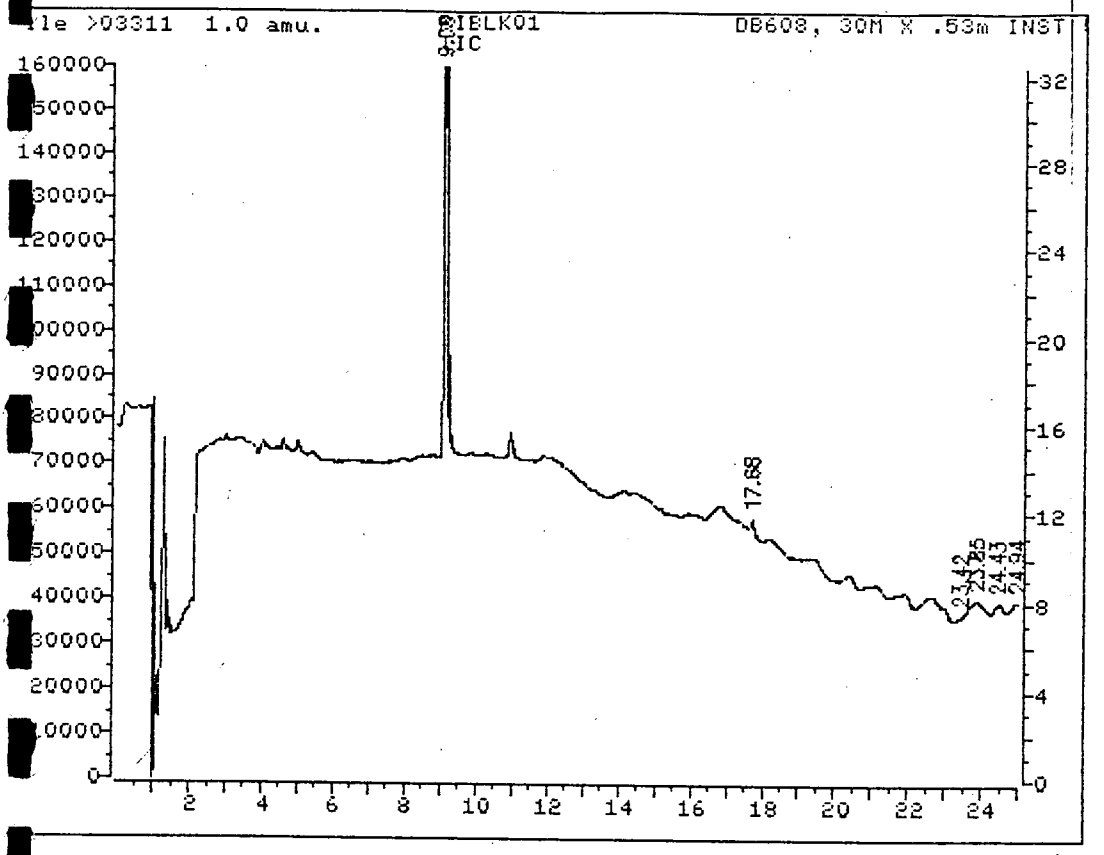


Data File: >03311::F3 Quant Output File: ^03311::GQ
Name: PIBLK01 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

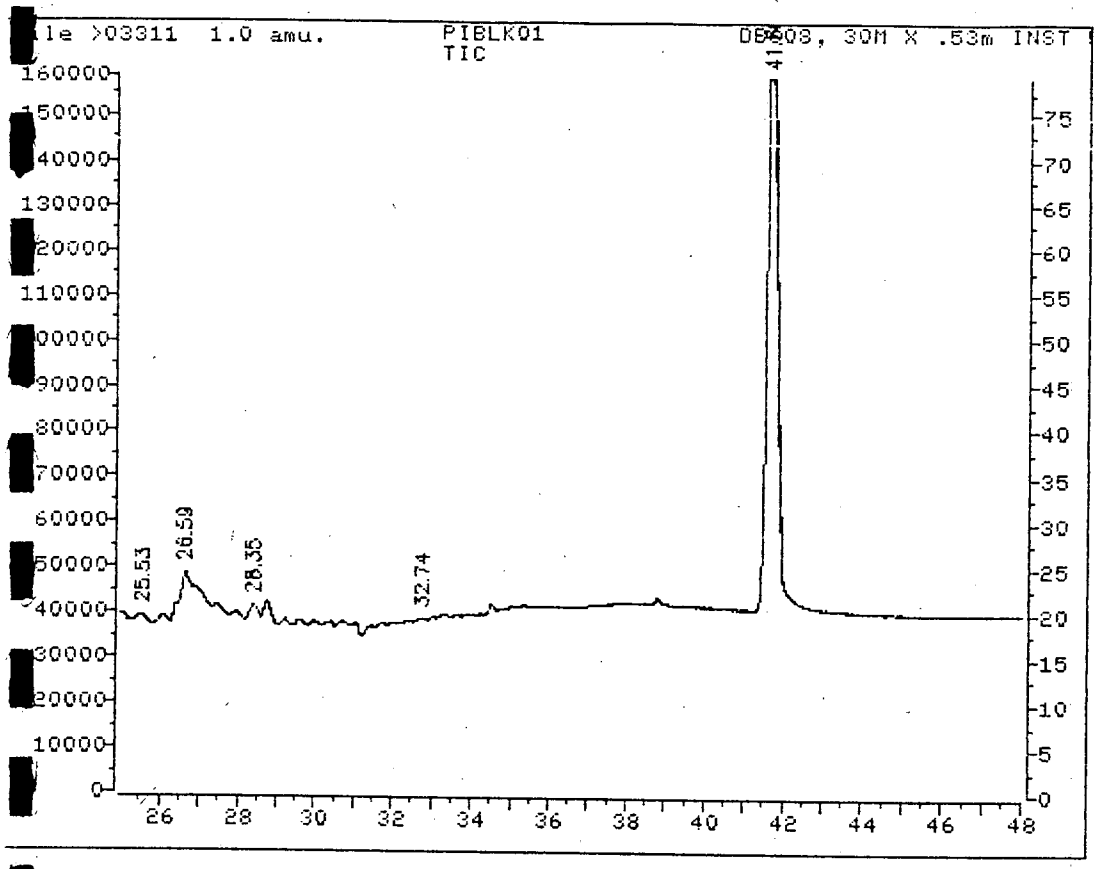
Page 2 of 2



S data file header from : >03311::F3

Sample: PIBLK01 Operator: TRFI2 7/14/96 4:22
isc : DB608, 30M X .53m INST 58903, 1ul INJ
s. #: 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

ample: PIBLK01 Operator: TRFI2 7/14/96 4:22
Misc : DB608, 30M X .53m INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFI2
Output File: ^04311::GQ
Data File: >04311::G1
Name: PIBLK01A
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

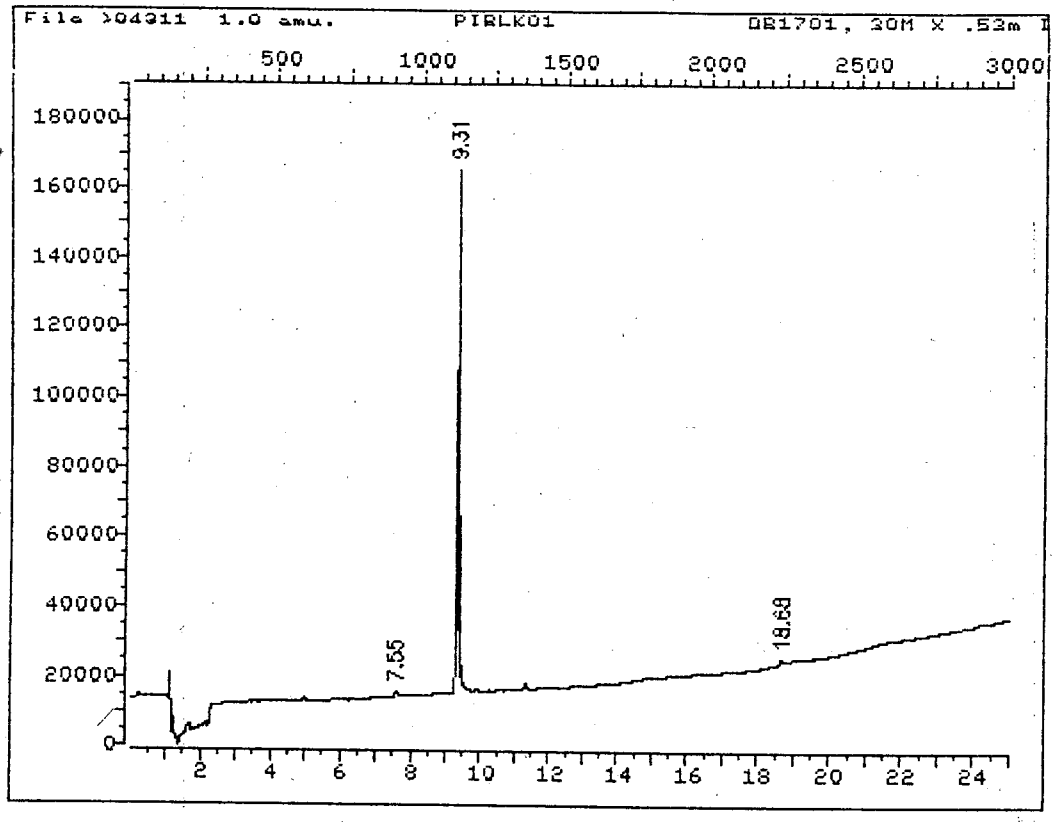
Quant Rev: 7
Quant Time: 960715 09:20
Injected at: 960714 04:22
Dilution Factor: 1.00000
Instrument ID: GC04

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	825938	20.19	ng/ml	100
3)	~~#beta-BHC~~ NC	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) ND	7.55	906	6910	9.04	ng/ml	100
25)	~~#Aroclor-1232~~(1) ND	7.55	906	6910	6.26	ng/ml	100
37)	~~#Aroclor 1016~~(5) ND	18.68	2241	8469	4.33	ng/ml	100
48)	~~#Aroclor-1248~~(3) ND	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: PIBLK01 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

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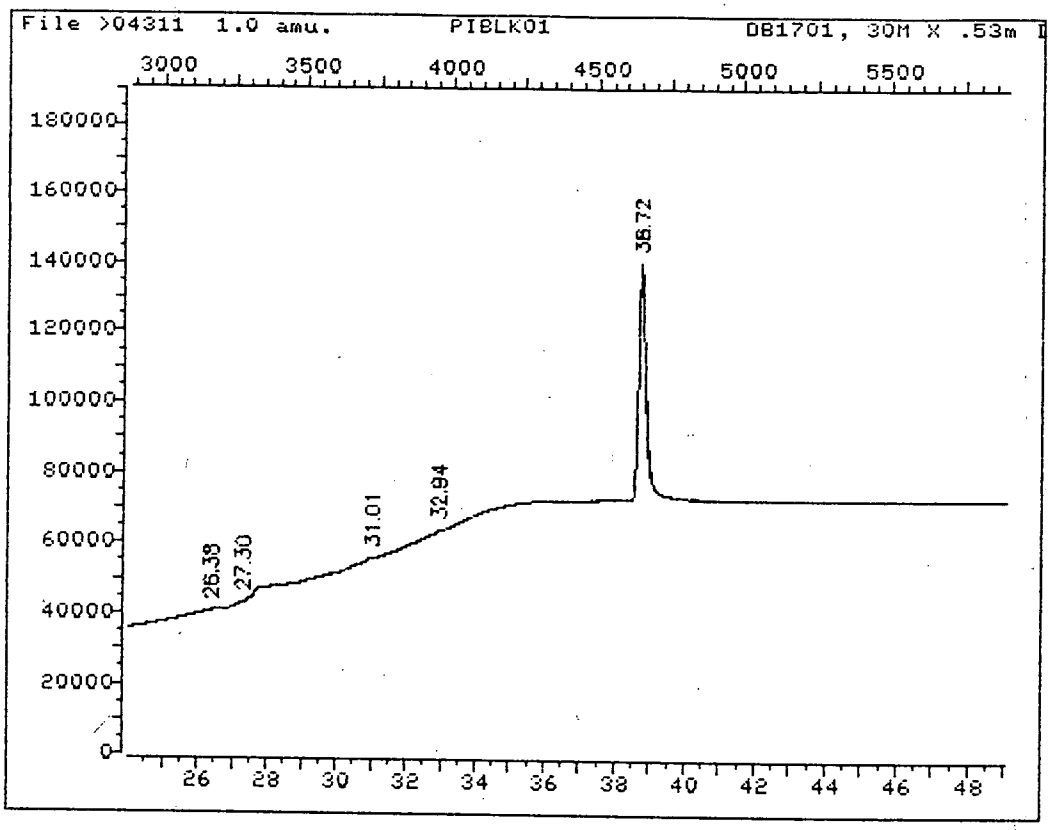

Data File: >04311::G1 Quant Output File: ^04311::GQ
Name: PIBLK01 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

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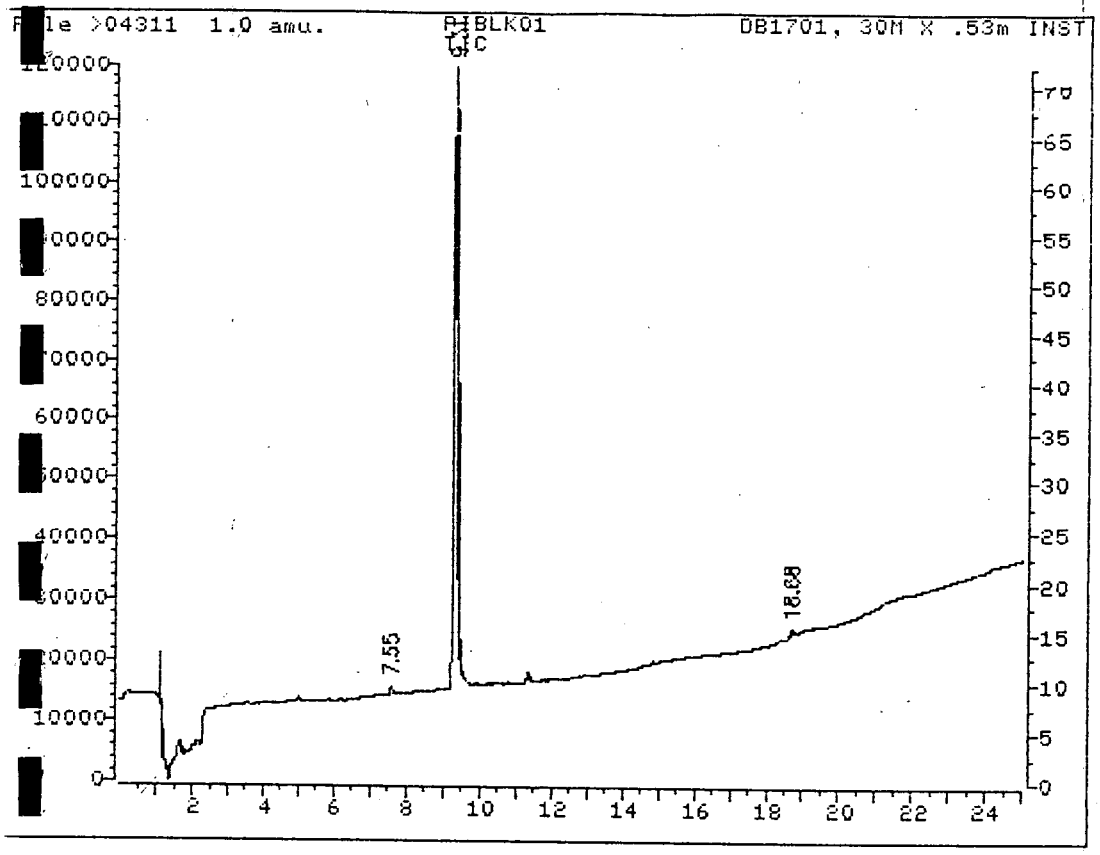
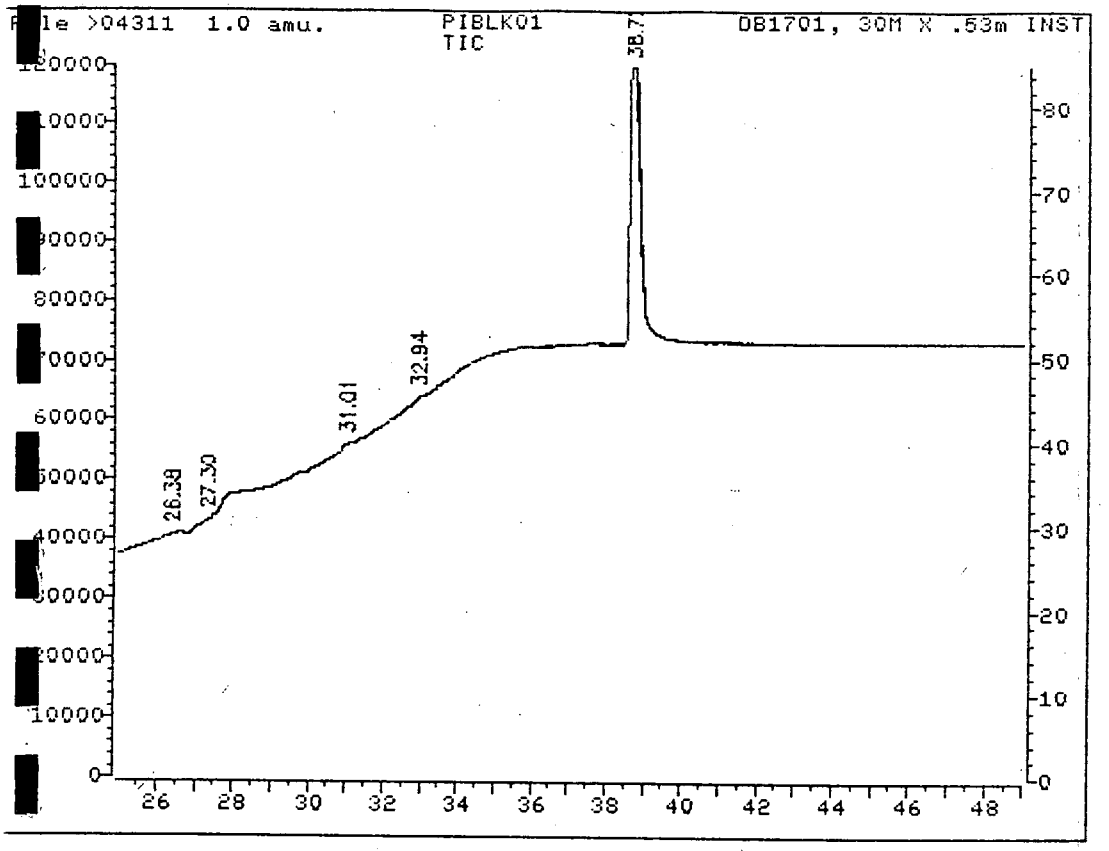


MS data file header from : >04311::G1

Sample: PIBLK01 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: PIBLK01 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: PIBLK02A

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

QUANT REPORT

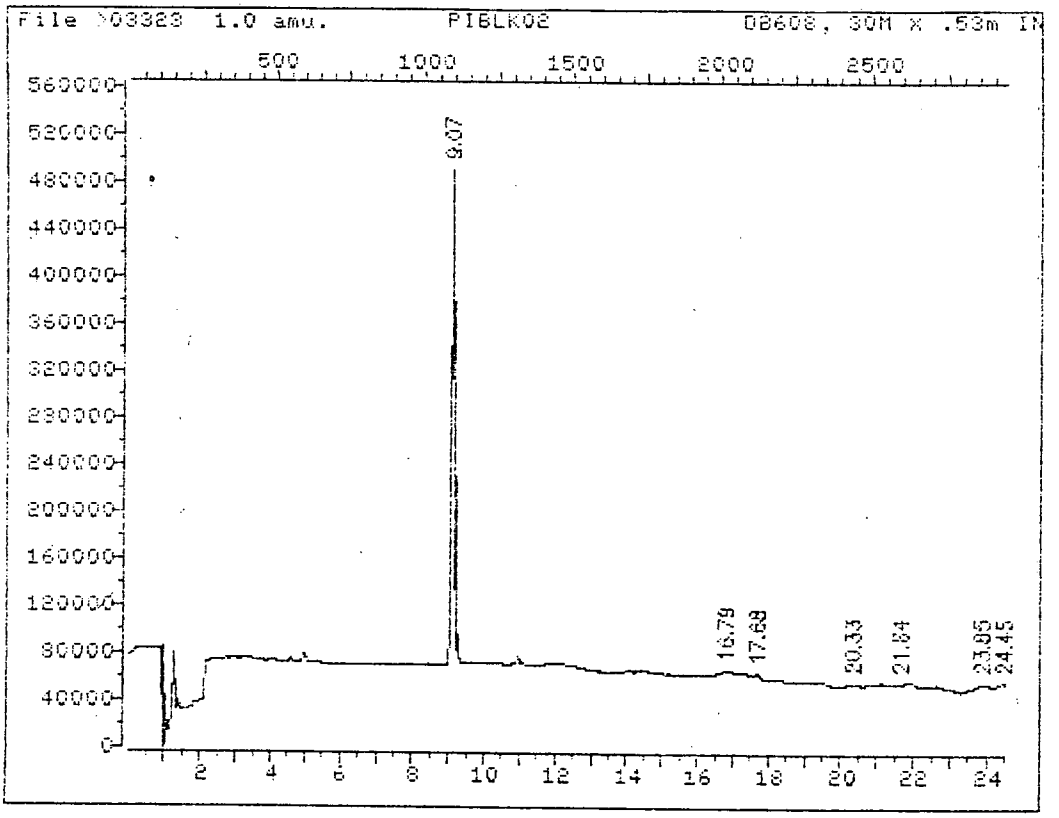
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:05
Output File: ^03323::GD Injected at: 960714 15:36
Data File: >03323::F3 Dilution Factor: 1.00000
Name: PIBLK02A Instrument ID: GC03
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.07	1089	2425327	20.27	ng/ml	100
~~8) #Endosulfan I~~ OW <CRQL	21.64	2597	9542	.0899	ng/ml	100
~~12) #Endrin~~ OW TW 7/19/96	24.94	2993	16459	.188	ng/ml	100
~~14) #4,4'-DDE~~ OW	25.54	3064	52526	.527	ng/ml	100
~~15) #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) #alpha-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	39699	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	17.69	2122	31663	9.92	ng/ml	100
~~49) #Aroclor-1248(4)~~ NP	20.33	2440	19735	4.80	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	30.30	ng/ml	100

Compound uses ESTD

EPMa
7/16/96

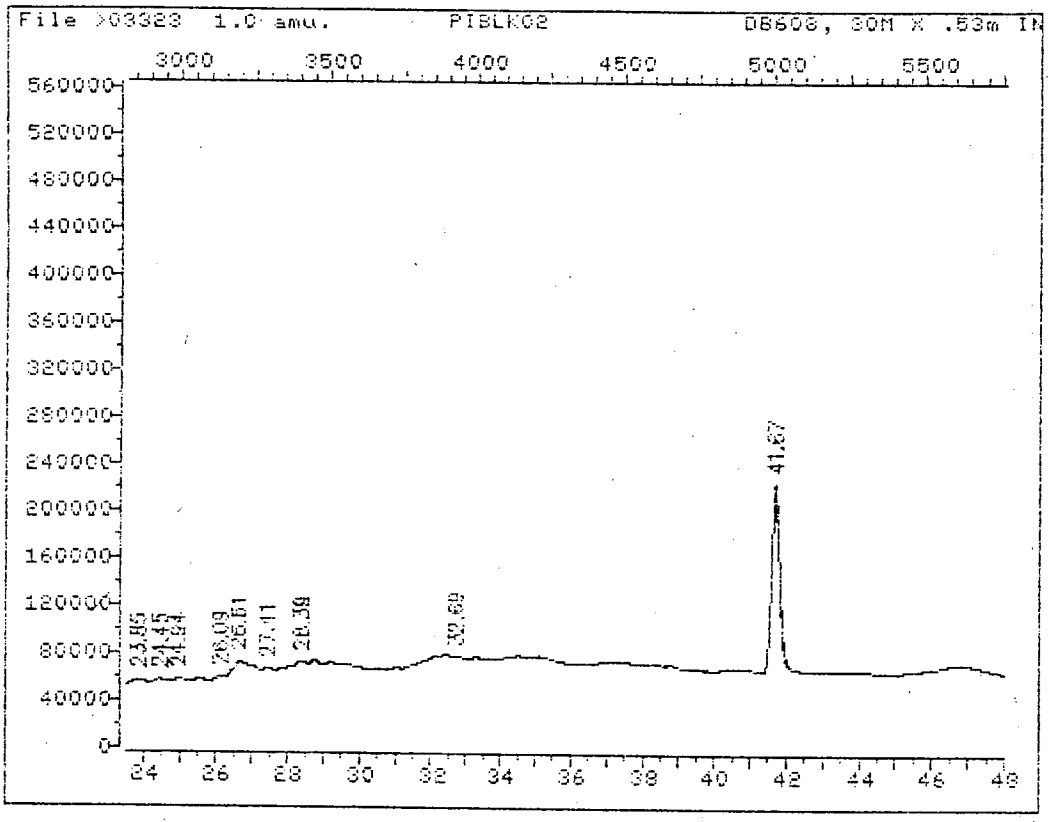


Data File: >03323::F3 Quant Output File: ^03323::GQ
Name: PIBLK02 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Page 1 of 2

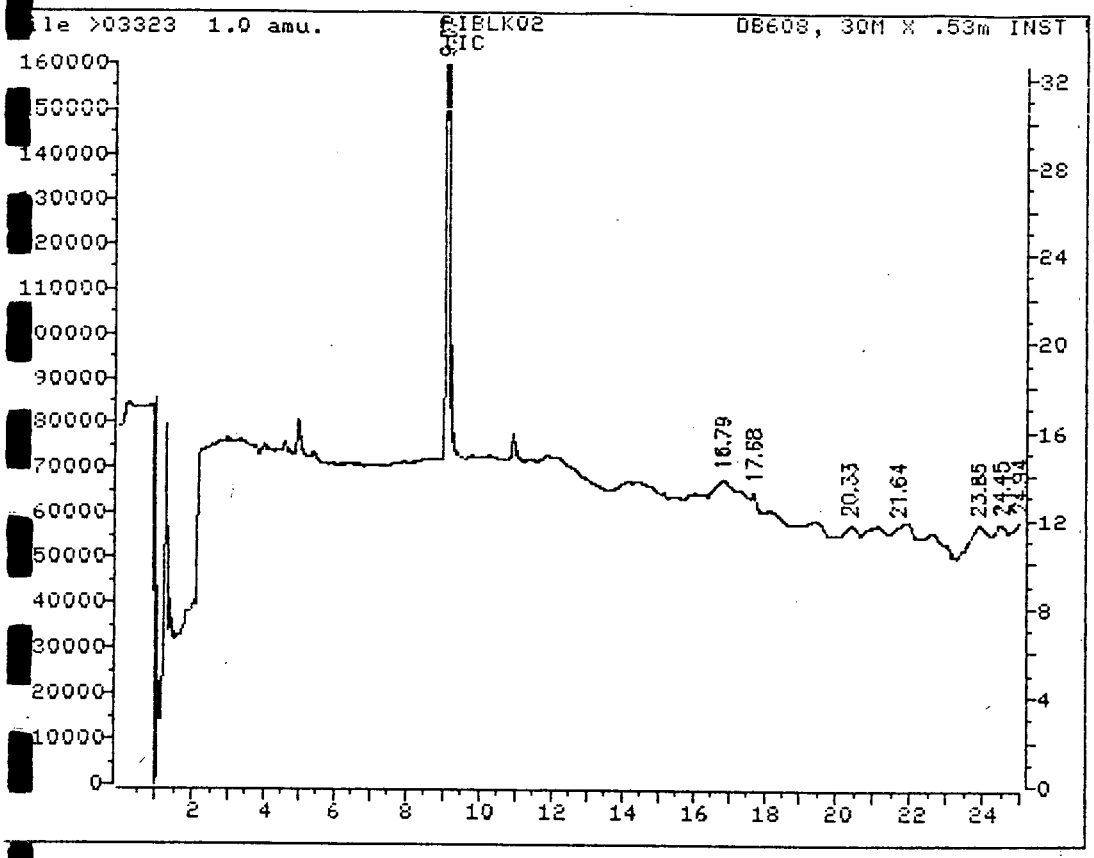


Data File: >03323::F3 Quant Output File: >03323::GQ
Name: PIBLK02 Instrument ID: GC03
Misc: DB608. 30M X .53m INST 58903. 1ul INJ

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

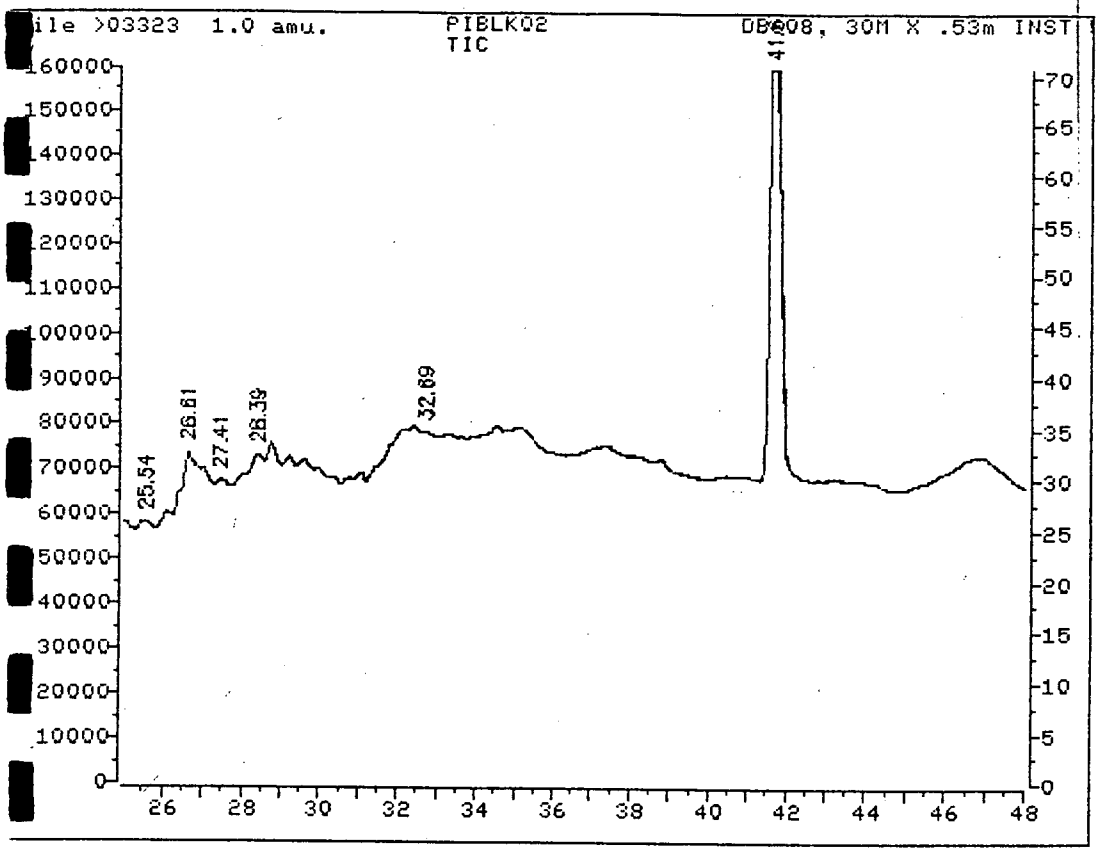
Page 2 of 2



MS data file header from : >03323::F3

Sample: PIBLK02 Operator: TRFI2 7/14/96 15:36
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 : >03323::F3

ample: PIBLK02 Operator: TRFI2 7/14/96 15:36
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

QUANT REPORT

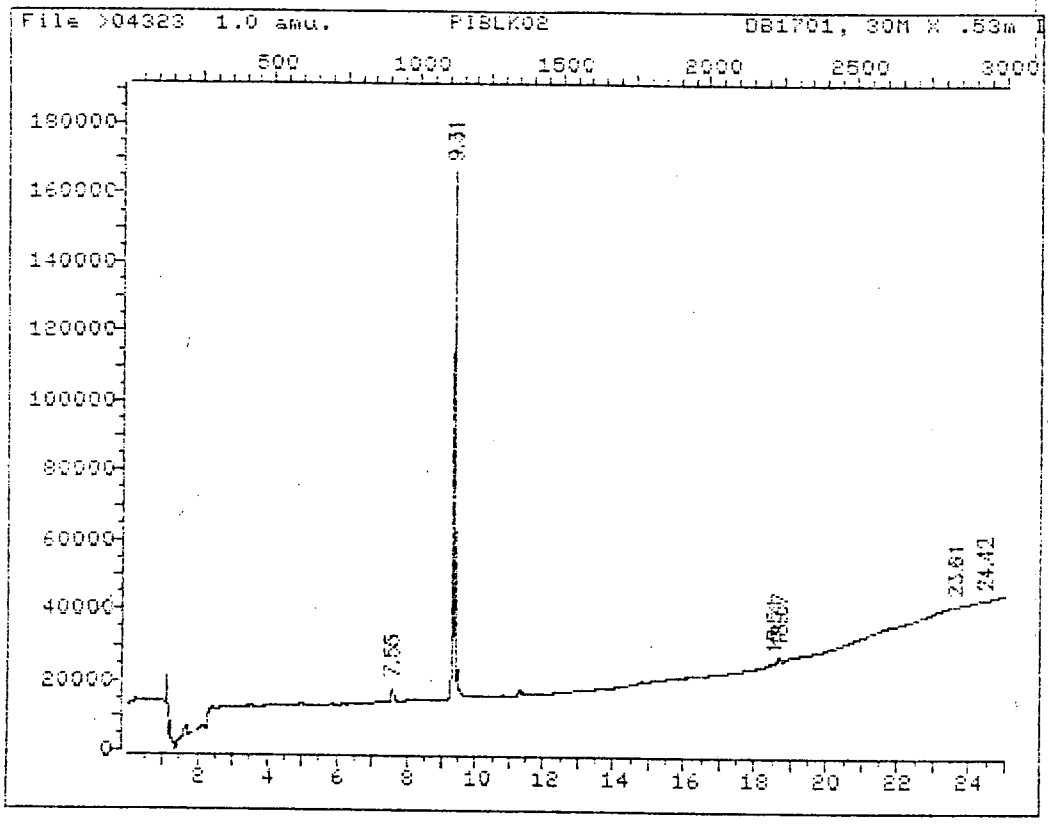
perator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:31
utput File: ^04323::GQ Injected at: 960714 15:37
Data File: >04323::G1 Dilution Factor: 1.00000
ame: PIBLK02A Instrument ID: GC04
isc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
itle: 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	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~~ DW	26.57	3188	10282	.300	ng/ml	100
~~15) #Endosulfan Sulfate~~ DW	30.76	3691	13673	.498	ng/ml	100
17) ~~#Methoxychlor~~ DW	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

EPMcc
7/16/96



Data File: >04323::G1 Quant Output File: ^04323::GQ
Name: PIBLK02 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 Qual Time: 960701 21:23

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

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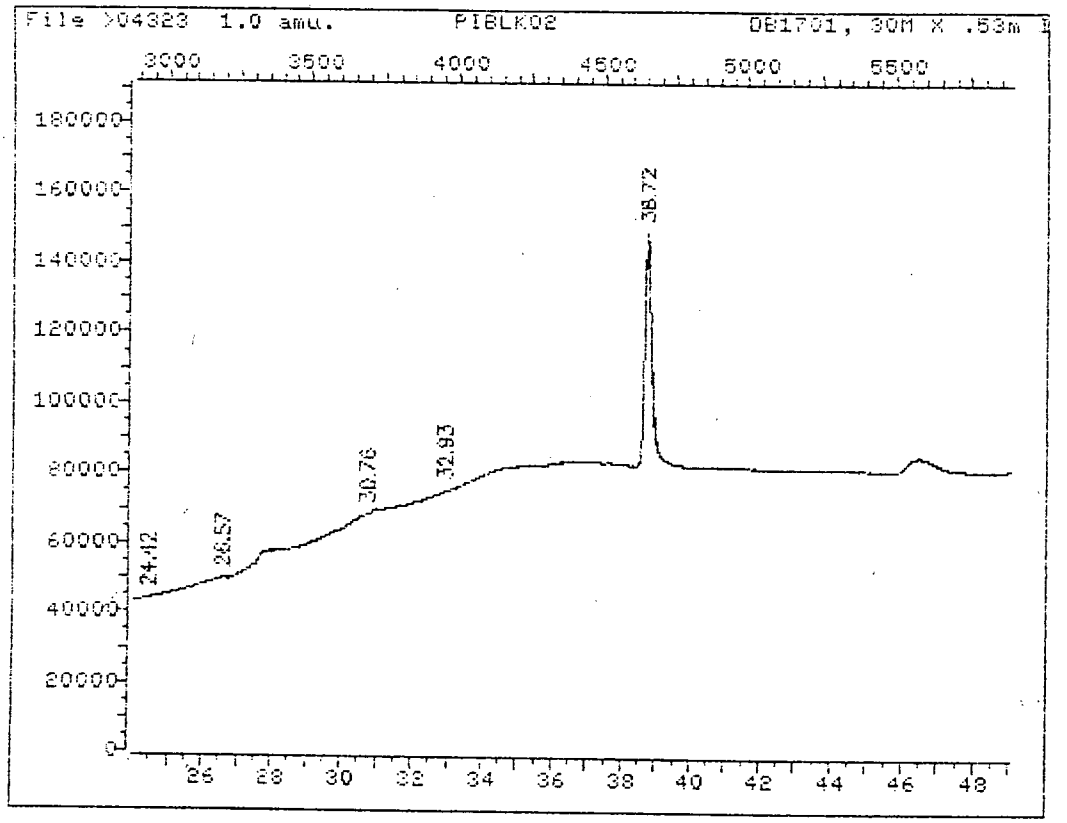
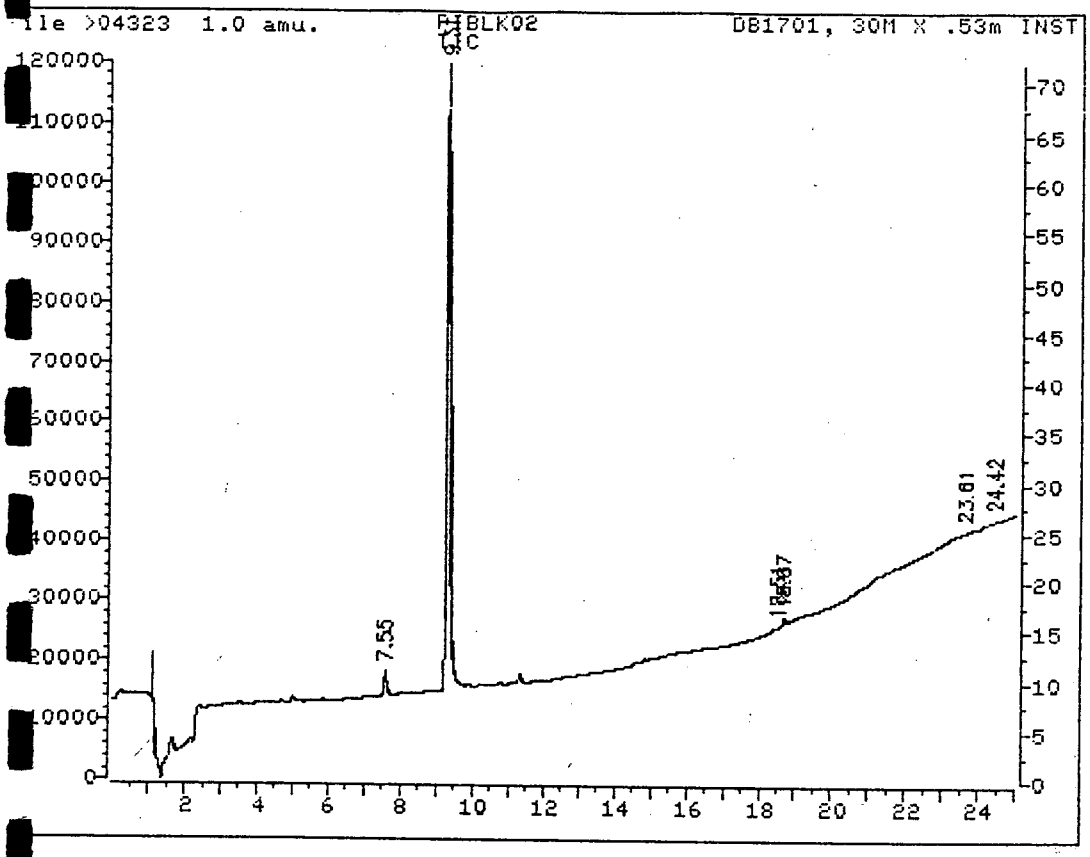


Data File: >04323::G1 Quant Output File: ^04323::GQ
Name: PIBLK02 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960714 16:29
Injected at: 960714 15:37

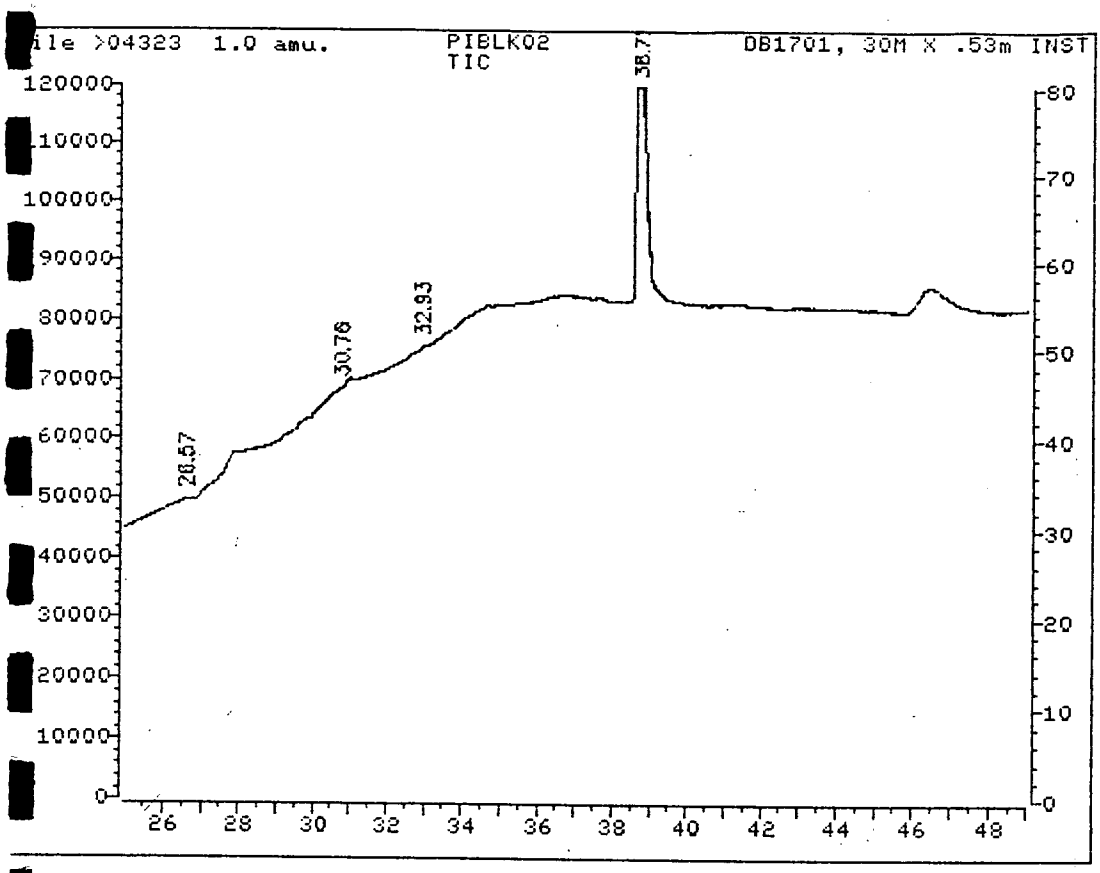
Page 2 of 2



data file header from : >04323::G1

Sample: PIBLK02 Operator: TRFI2 7/14/96 15:37
Misc : DB1701, 30M X .53m INST 58903, 1ul INJ
Ms. #: 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: PIBLK02 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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK03A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK03A

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

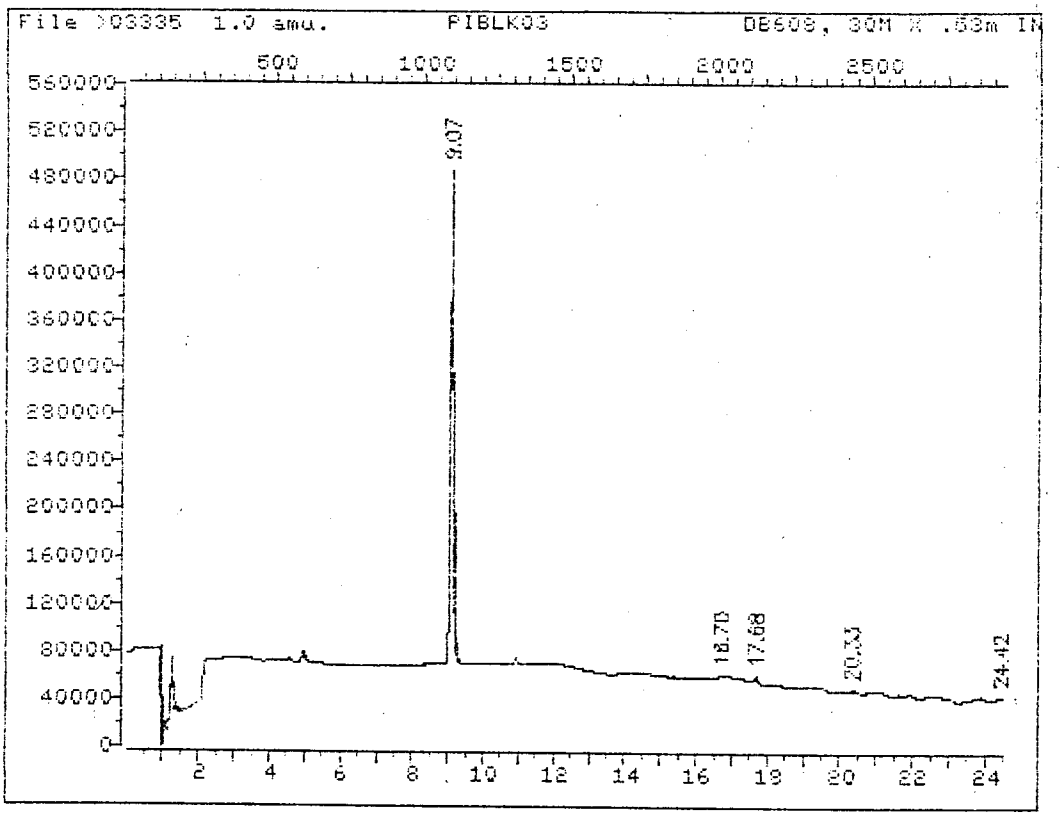
perator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:15
utput File: ^03335::GQ Injected at: 960715 02:32
ata File: >03335::F3 Dilution Factor: 1.00000
ame: PIBLK03A Instrument ID: GC03
isc: DB608, 30M X .53m INST 58903, 1ul INJ

D File: IDCAP5::SC
itle: Capillary Column DB 608
ast Calibration: 941029 10:07 Last Qual 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~~ OU	24.93	2991	19851	.227	ng/ml	100
14)	~~#4,4' DDD~~ OU	26.07	3128	16511	.267	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.34	3401	44259	.503	ng/ml	100
18)	~~#Endrin ketone~~ LCRQL	32.69	3923	8385	.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

EPui
7/16/96



Data File: >03335::F3 Quant Output File: ^03335::G0
Name: PIBLK03 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 : 960715 03:22
Injected at: 960715 02:32

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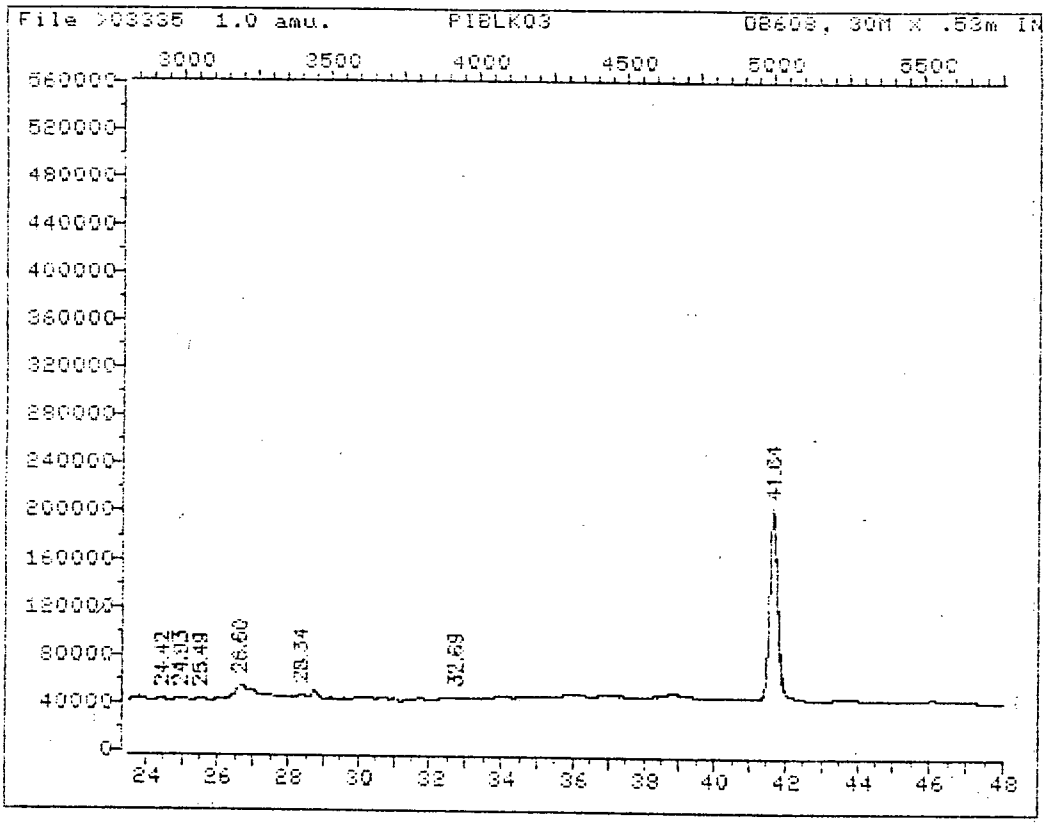

Data File: >03335::F3 Quant Output File: ^03335::GQ
Name: PIBLK03 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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 : 960715 03:22
Injected at: 960715 02:32

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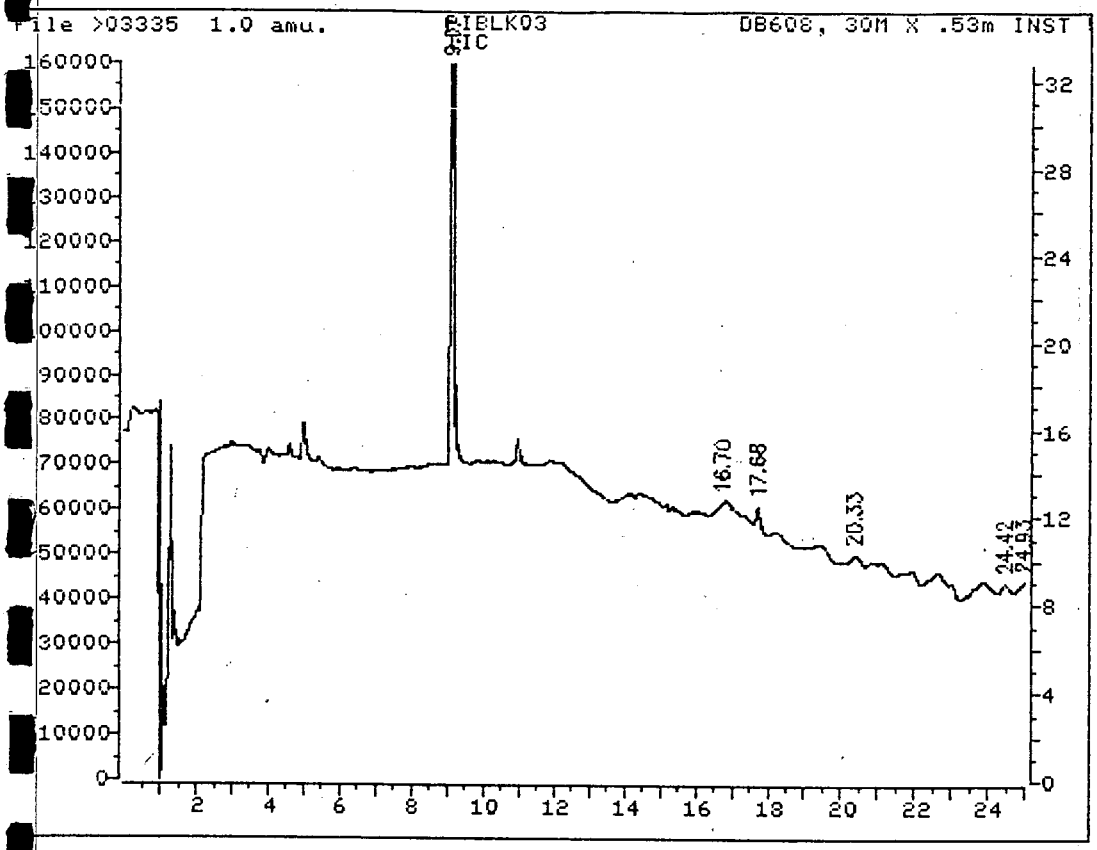
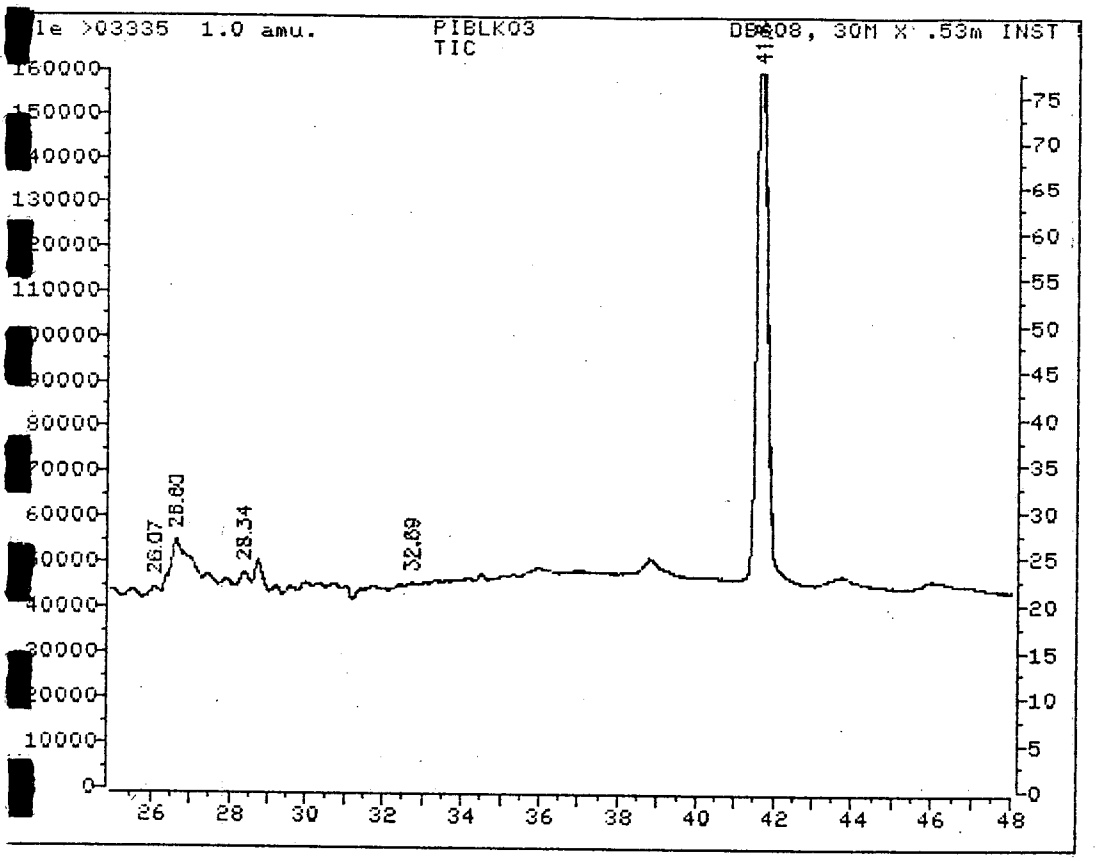


S data file header from : >03335::F3

Sample: PIBLK03 Operator: TRFI2 7/15/96 2:32
isc : DB608, 30M X .53m INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >03335::F3

ample: PIBLK03 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

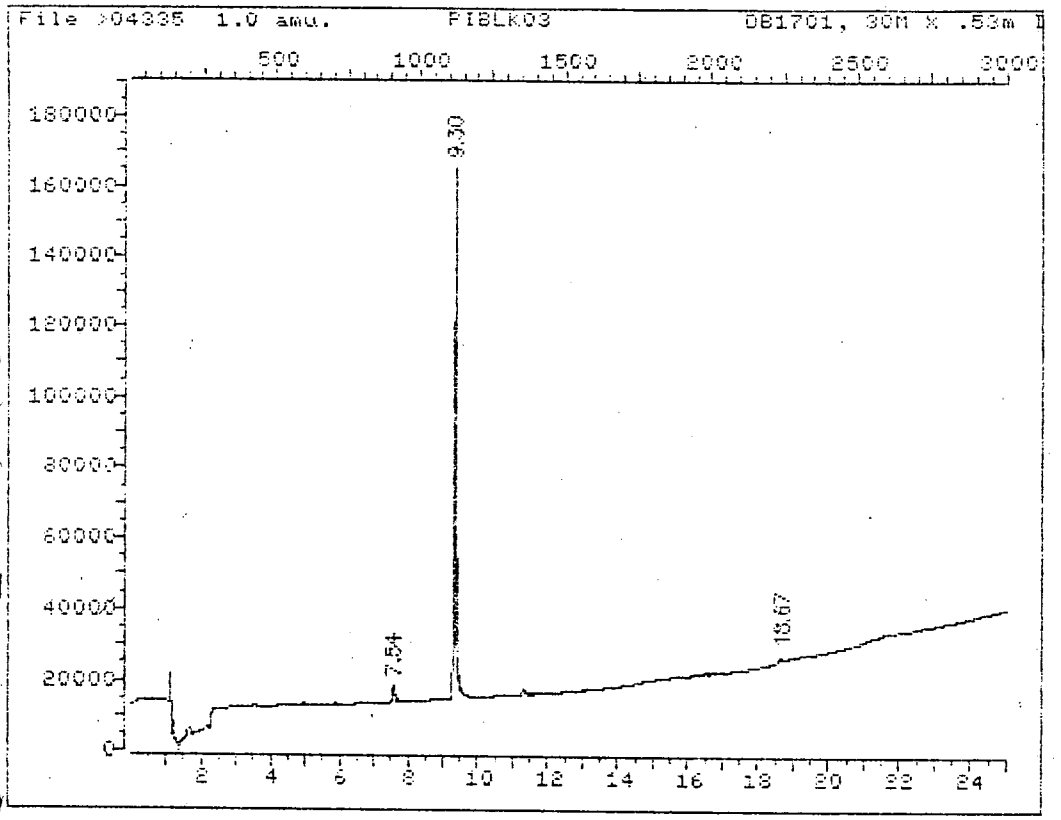
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 09:42
Output File: ^04335::GQ Injected at: 960715 02:32
Data File: >04335::G1 Dilution Factor: 1.00000
Name: PIBLK03A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

ID File: IDCAP6::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07 Last 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
~~3) #beta-BHC~~ LC RQL	18.67	2240	12407	.494	ng/ml	100
~~6) #4,4' DDT~~ OW	27.31	3277	44277	2.53	ng/ml	100
~~7) #Methoxychlor~~ OW	30.98	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
27) #~~Aroclor 1016(5)~~ NP	18.67	2240	12407	6.35	ng/ml	100
28) #~~Aroclor-1248(3)~~ NP	18.67	2240	12407	5.13	ng/ml	100

Compound uses ESTD

EPrui
7/16/96



Data File: >04335::G1 Quant Output File: ^04335::GQ
Name: PIBLK03 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960715 03:23
Injected at: 960715 02:52

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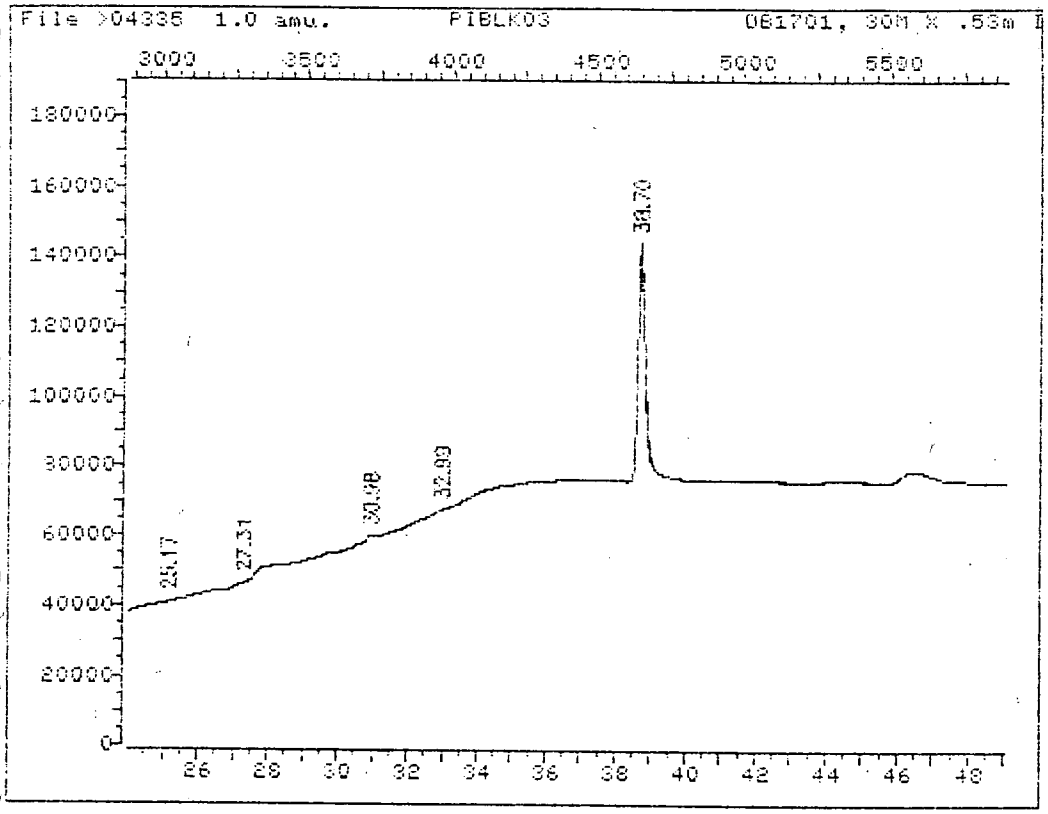

Data File: >04335::G1 Quant Output File: ^04335::GQ
Name: PIBLK03 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

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

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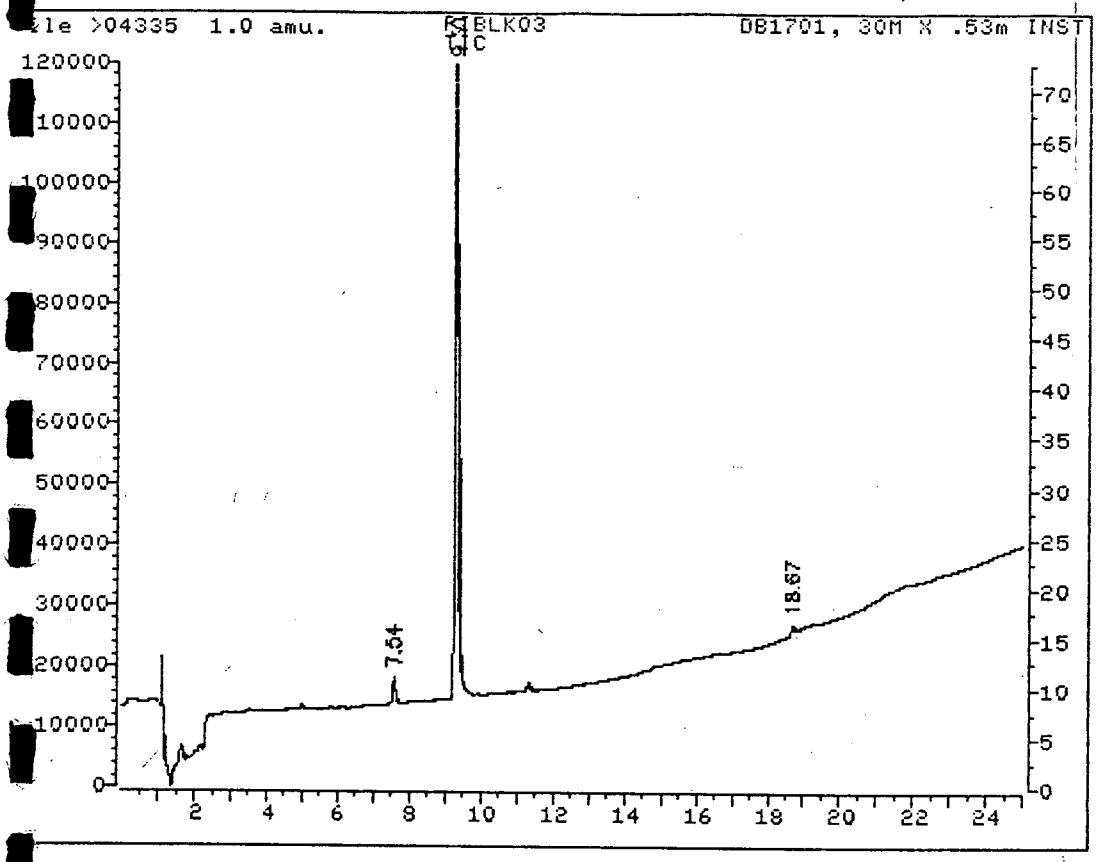
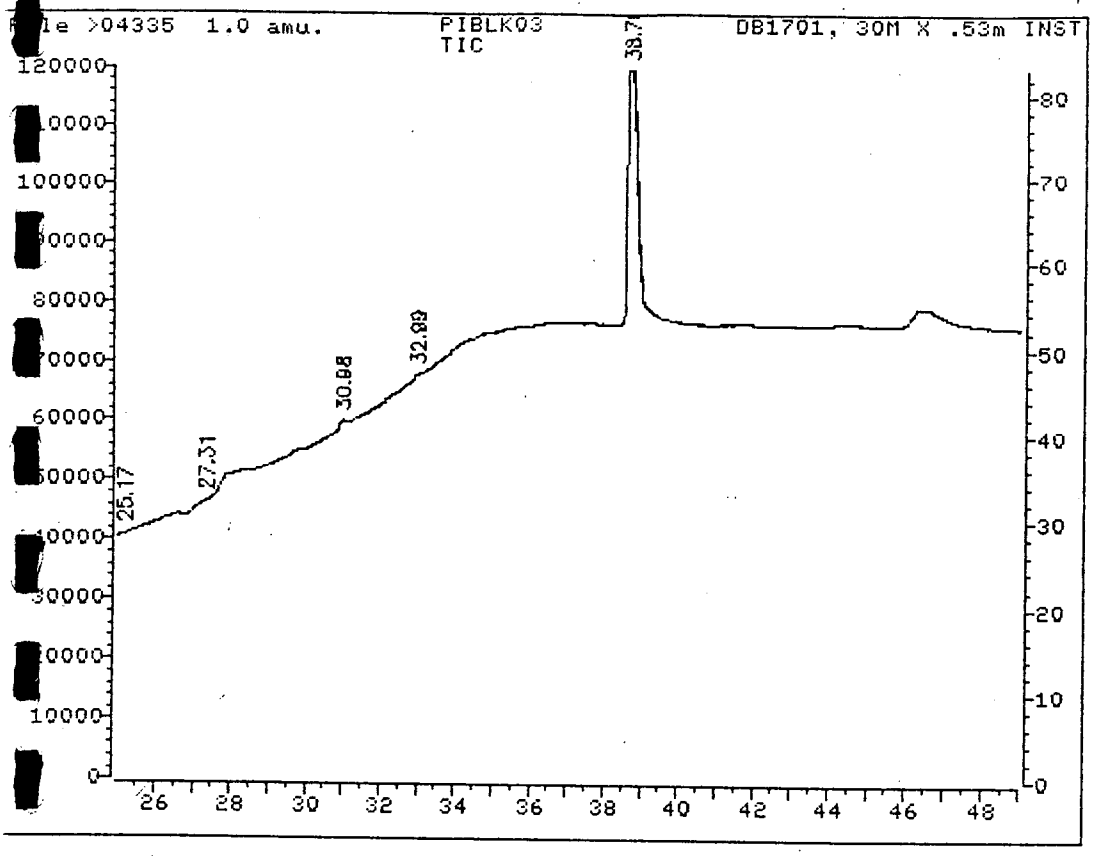


S data file header from : >04335::G1

Sample: PIBLK03 Operator: TRFI2 7/15/96 2:32
Misc : DB1701, 30M X .53m 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 : >04335::G1

Sample: PIBLK03 Operator: TRFI2 7/15/96 2:32
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.

PIBLK04A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK04A

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: PIBLK04 A
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

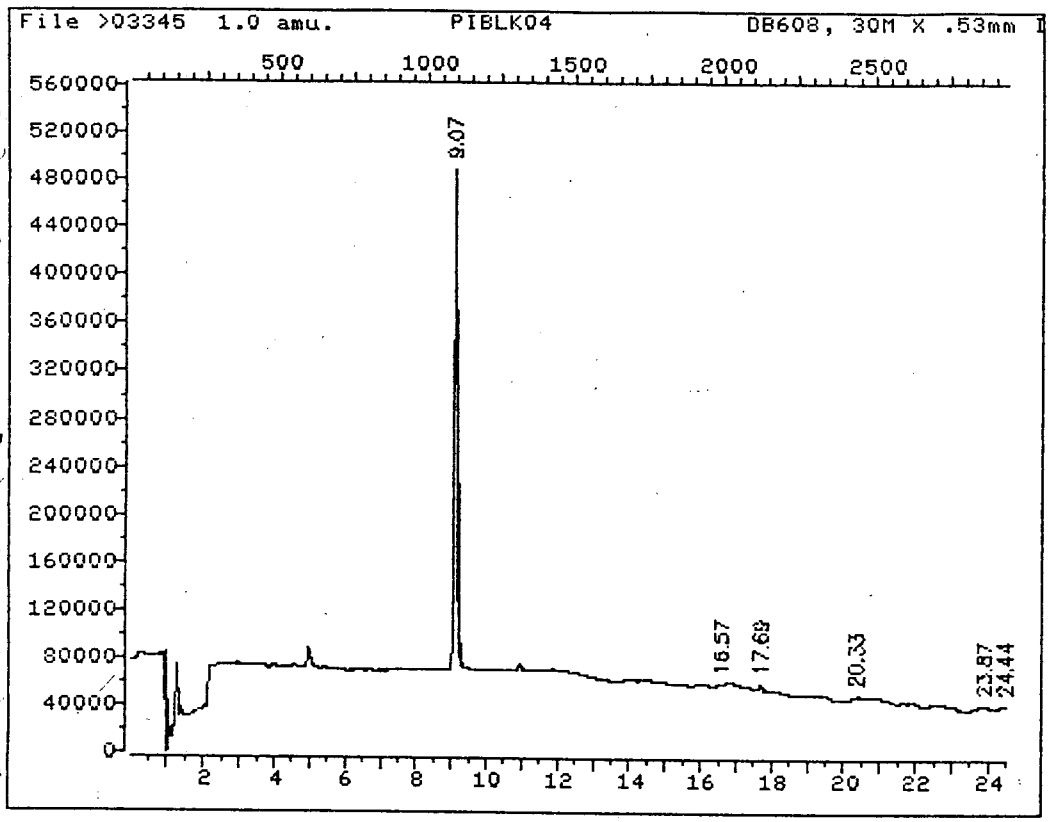
Quant Rev: 7
Quant Time: 960715 12:32
Injected at: 960715 11:41
Dilution Factor: 1.00000
Instrument ID: GC03

Method 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

JMO 7/21/96



Data File: >03345::F3 Quant Output File: ^03345::GQ
Name: PIBLK04 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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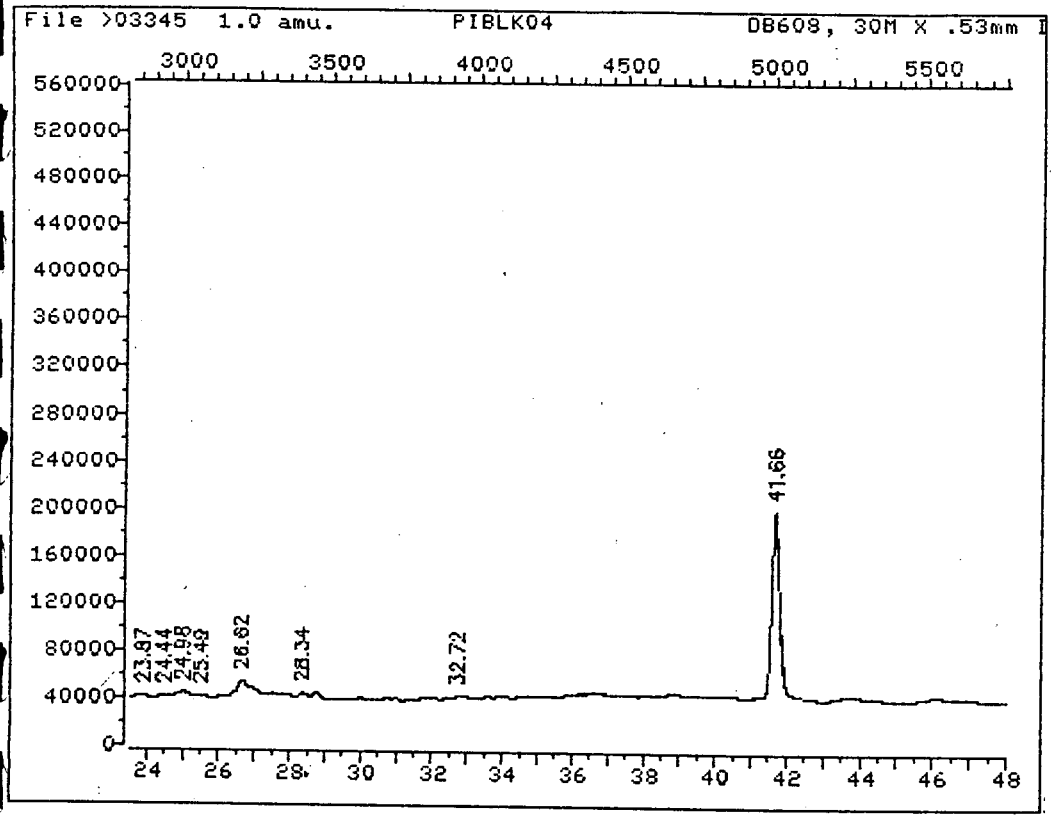

Data File: >03345::F3 Quant Output File: ^03345::GQ
Name: PIBLK04 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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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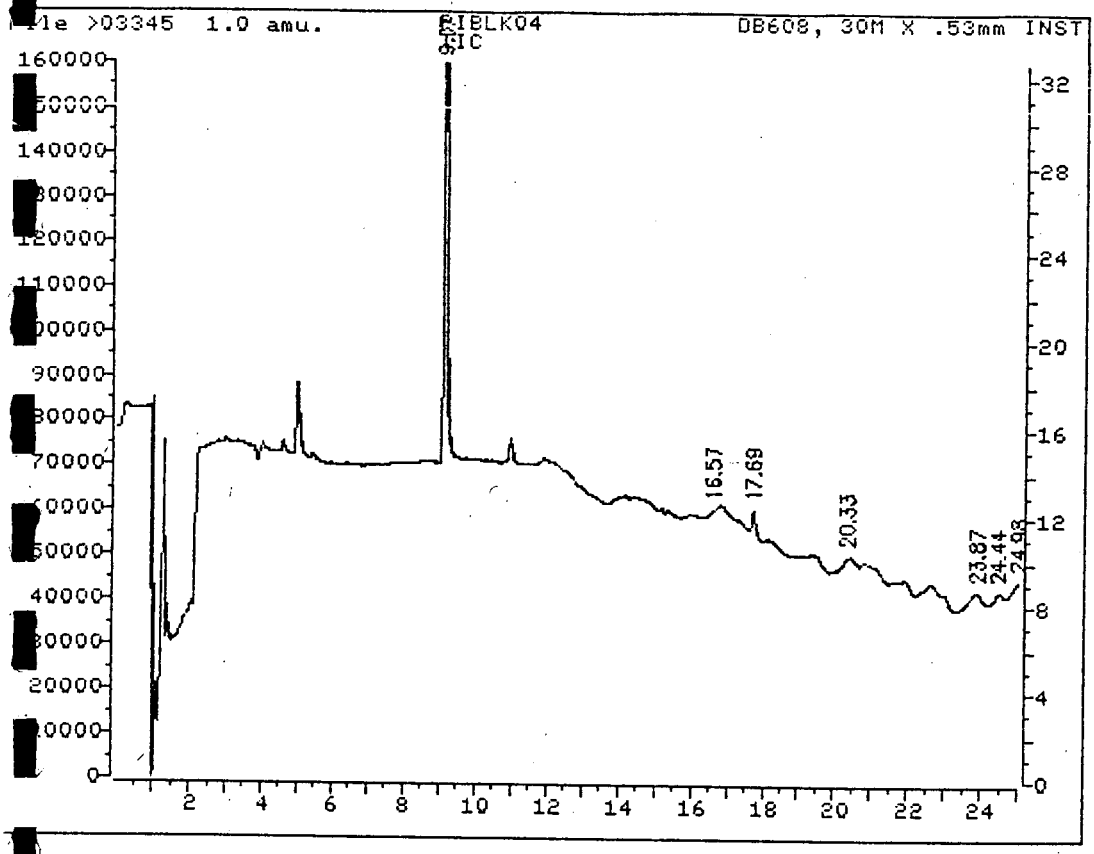
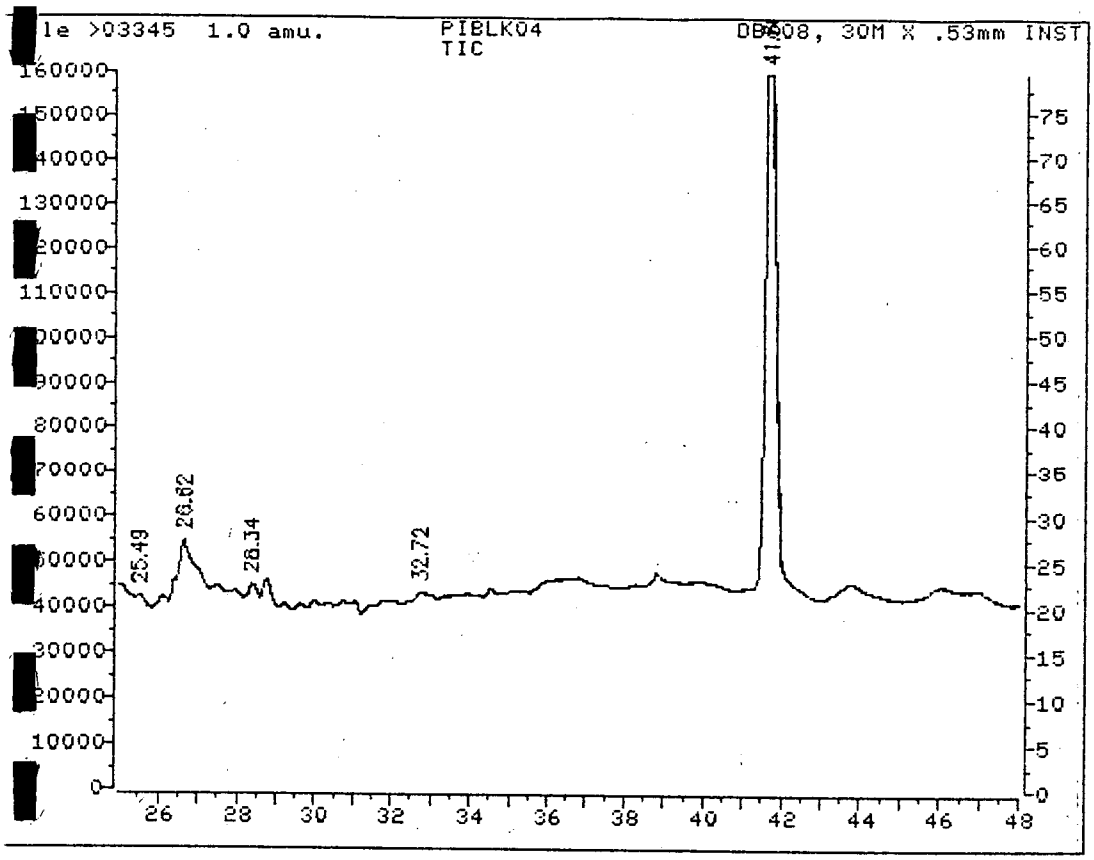


data file header from : >03345::F3

Sample: PIBLK04 Operator: TRFI2 7/15/96 11:41
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Ms. #: 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

ample: PIBLK04 Operator: TRFI2 7/15/96 11:41
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

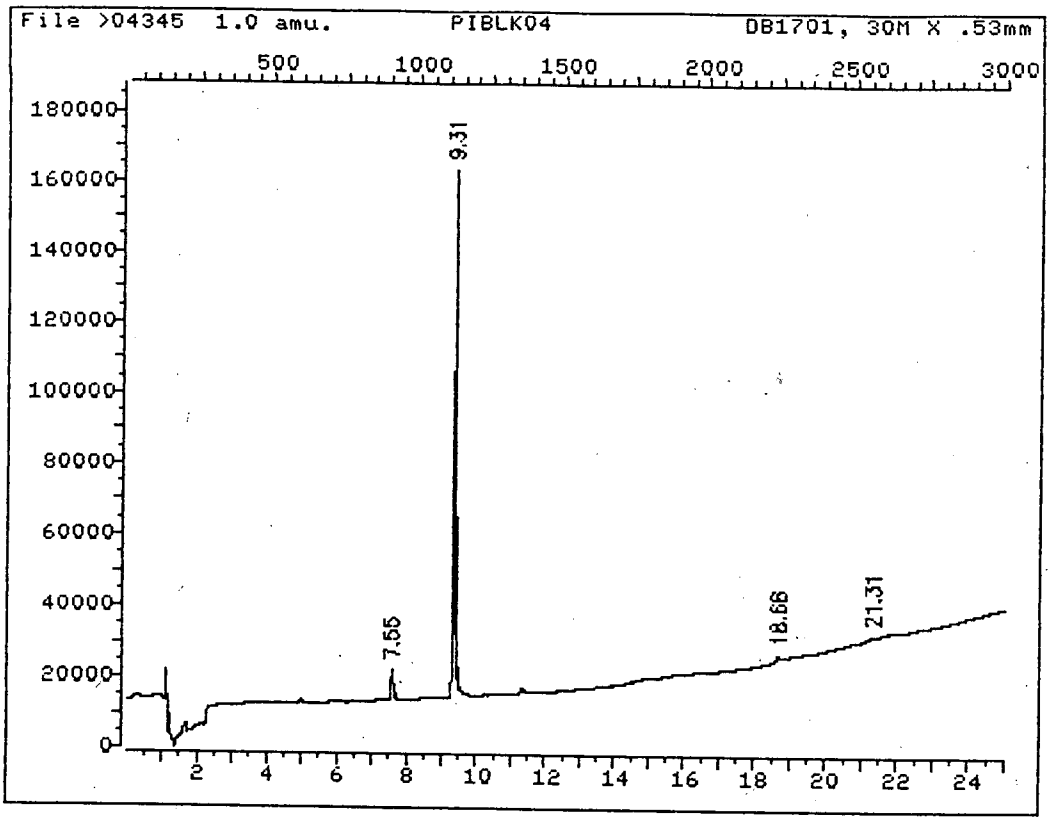
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 12:35
Output File: ^04345::GQ Injected at: 960715 11:41
Data File: >04345::G1 Dilution Factor: 1.00000
Name: PIBLK04A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	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)~~ NP	7.55	906	46106	60.32	ng/ml	100
~~25)~~	~~#Aroclor-1232(1)~~ NP	7.55	906	46106	41.77	ng/ml	100
~~33)~~	~~#Toxaphene(4)~~ NP	31.74	3809	11858	22.88	ng/ml	100
~~37)~~	~~#Aroclor 1016(5)~~ NP	18.68	2241	12698	6.50	ng/ml	100
~~48)~~	~~#Aroclor-1248(3)~~ NP	18.68	2241	12698	5.25	ng/ml	100
~~52)~~	~~#Aroclor-1254(3)~~ NP	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: PIBLK04 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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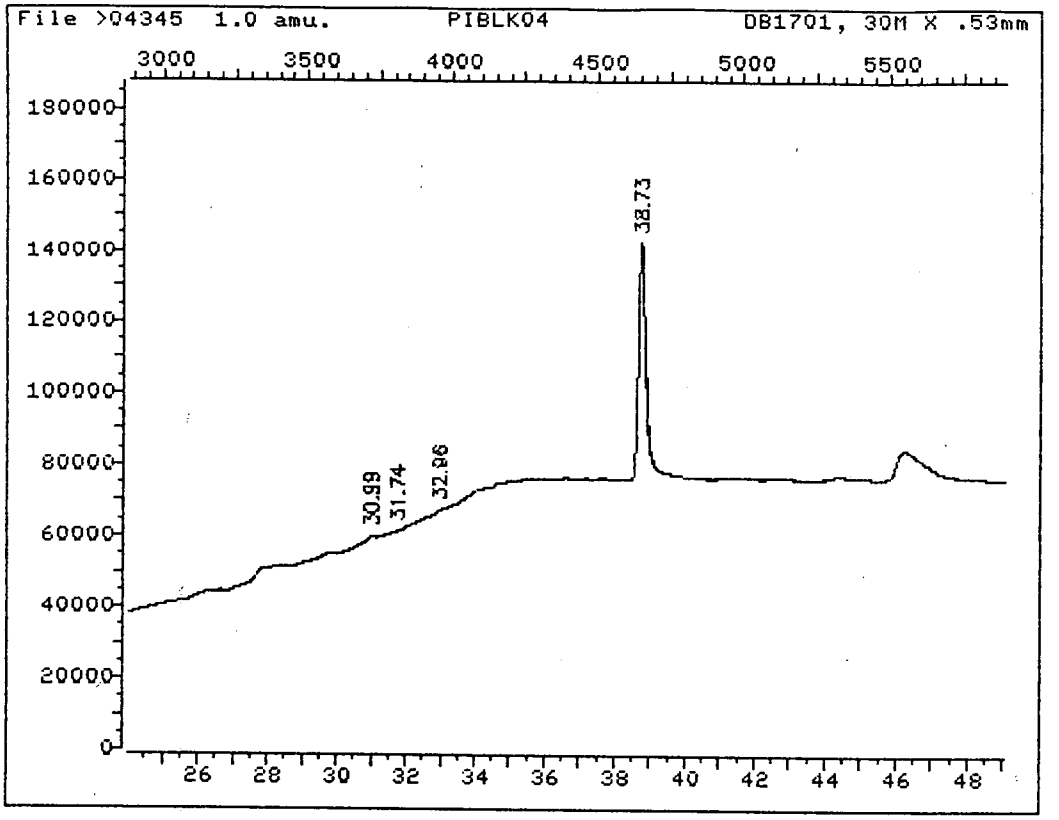

Data File: >04345::G1 Quant Output File: ^04345::GQ
Name: PIBLK04 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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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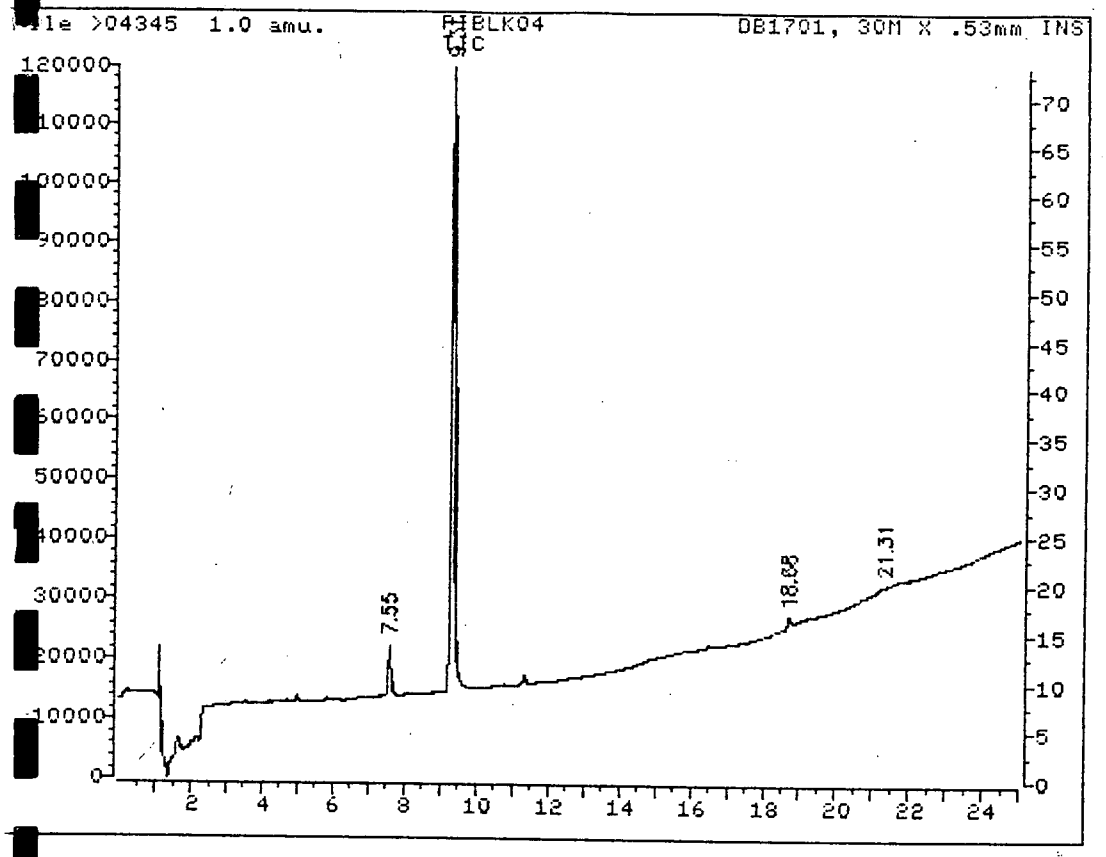
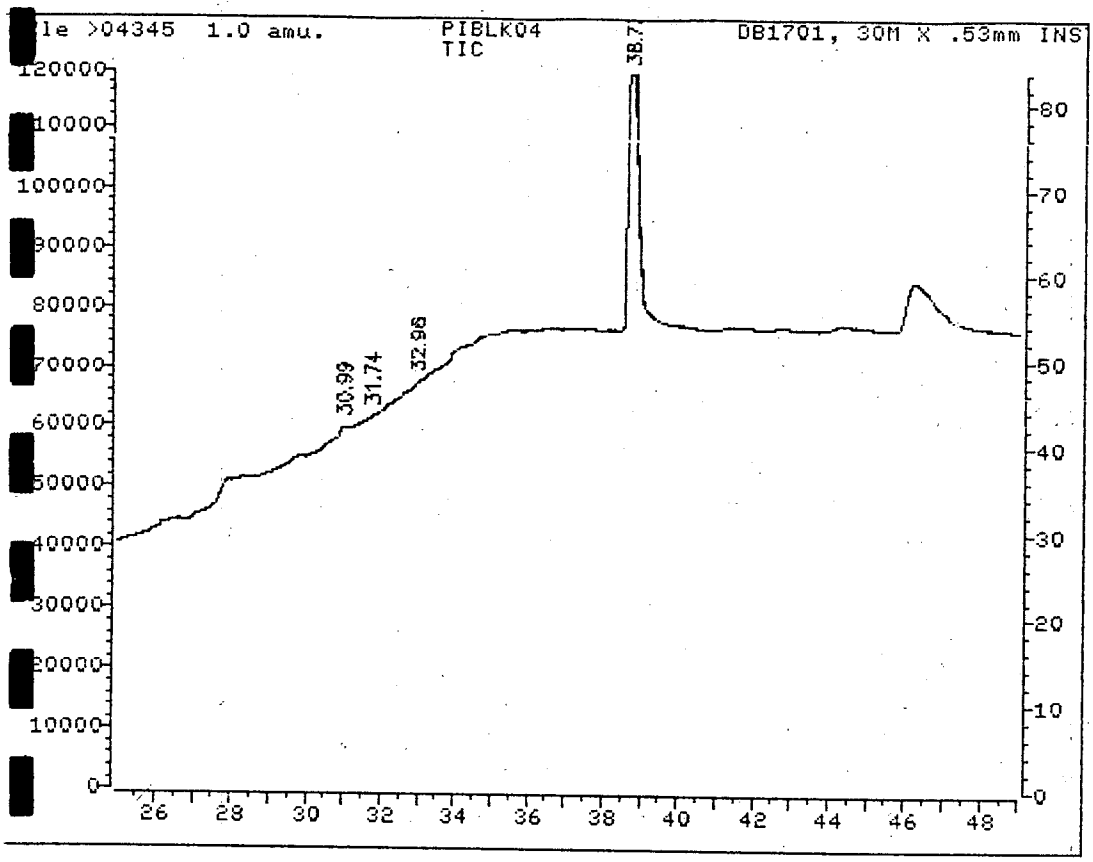


MS data file header from : >04345::G1

Sample: PIBLK04 Operator: TRFI2 7/15/96 11:41
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Ms. #: 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

ample: PIBLK04 Operator: TRFI2 7/15/96 11:41
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
us. #: 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: PIBLK05A

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

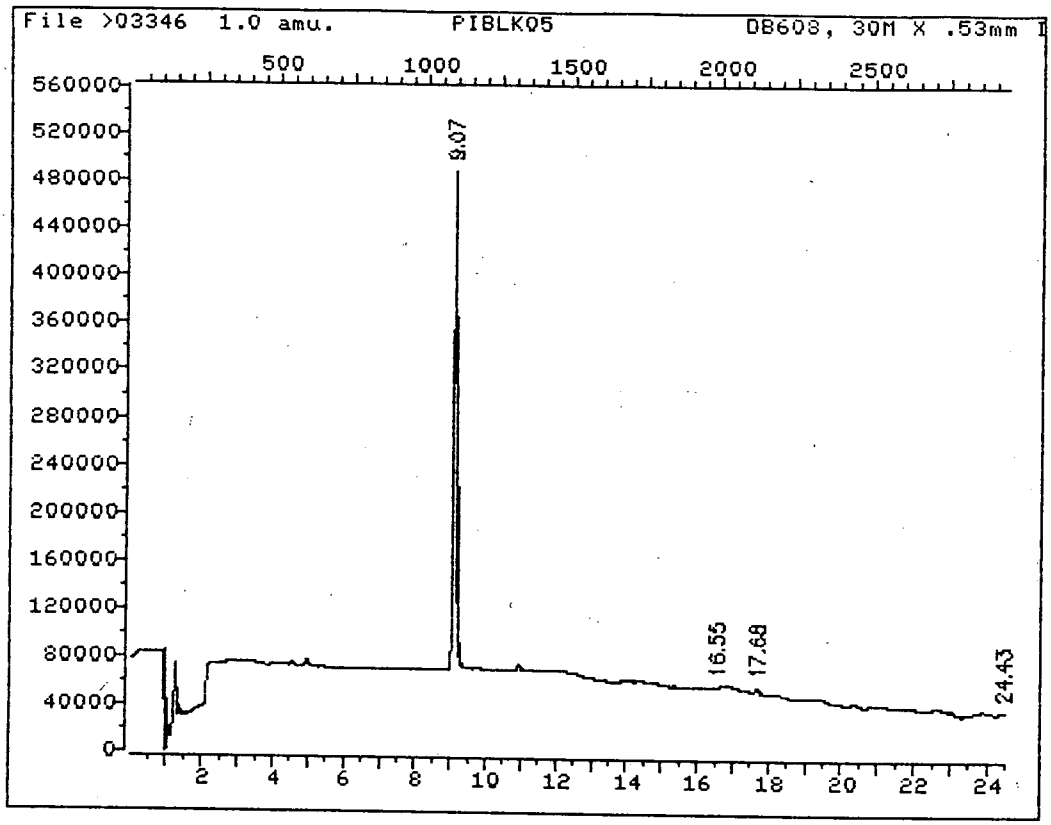
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960715 13:27
Output File: ^03346::GQ Injected at: 960715 12:36
Data File: >03346::F3 Dilution Factor: 1.00000
Name: PIBLK05A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 UC	28.35	3402	22905	.260	ng/ml	100
~~18) #Endrin ketone~~ UC	32.70	3924	5135	.0554	ng/ml	100
19) #Decachlorobiphenyl	41.67	5000	2416336	20.90	ng/ml	100
~~29) #Aroclor-1260(1)~~ UP	24.43	2931	26253	4.10	ng/ml	100
~~32) #Toxaphene(3)~~ UP	28.35	3402	22905	10.80	ng/ml	100
~~33) #Toxaphene(4)~~ UP	30.32	3638	5364	2.75	ng/ml	100
~~47) #Aroclor-1248(2)~~ UP	17.68	2122	48047	15.05	ng/ml	100
~~54) #Aroclor-1254(5)~~ UP	24.97	2996	19556	5.35	ng/ml	100
~~55) #Aroclor-1260(2)~~ UP	24.97	2996	19556	2.75	ng/ml	100
~~56) #Aroclor-1260(3)~~ UP	26.61	3193	60056	13.05	ng/ml	100
~~57) #Aroclor-1260(4)~~ UP	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: PIBLK05 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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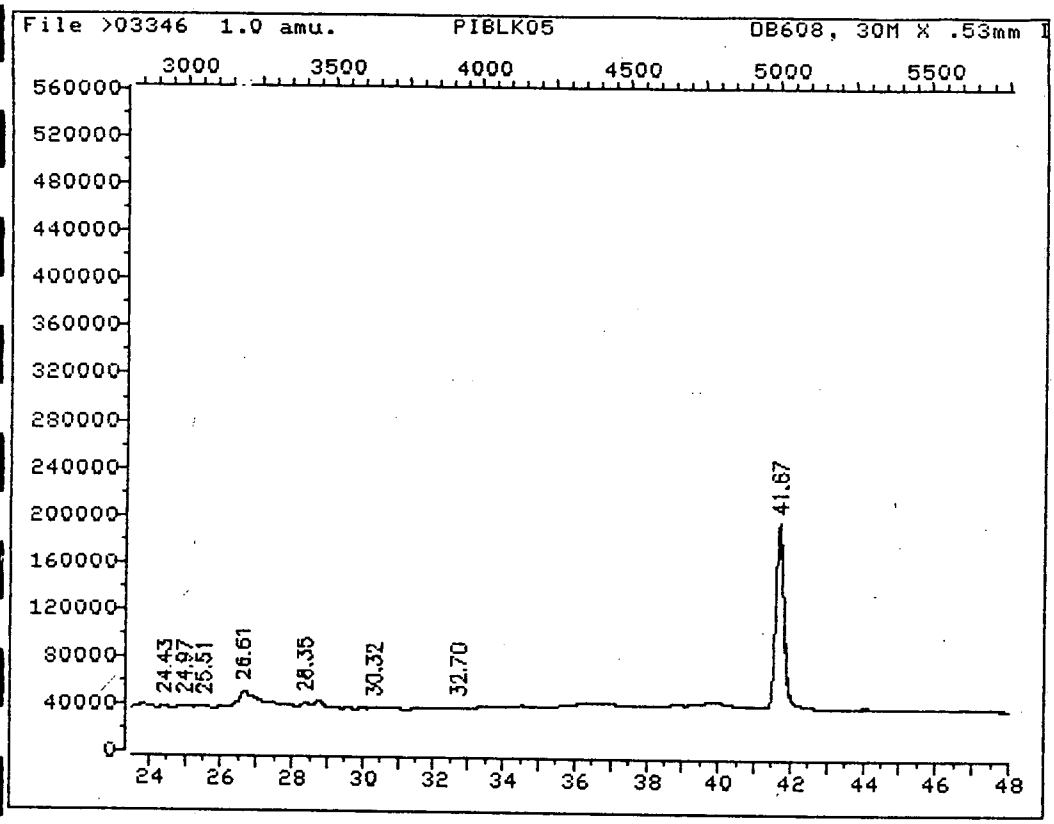

Data File: >03346::F3 Quant Output File: ^03346::GQ
Name: PIBLK05 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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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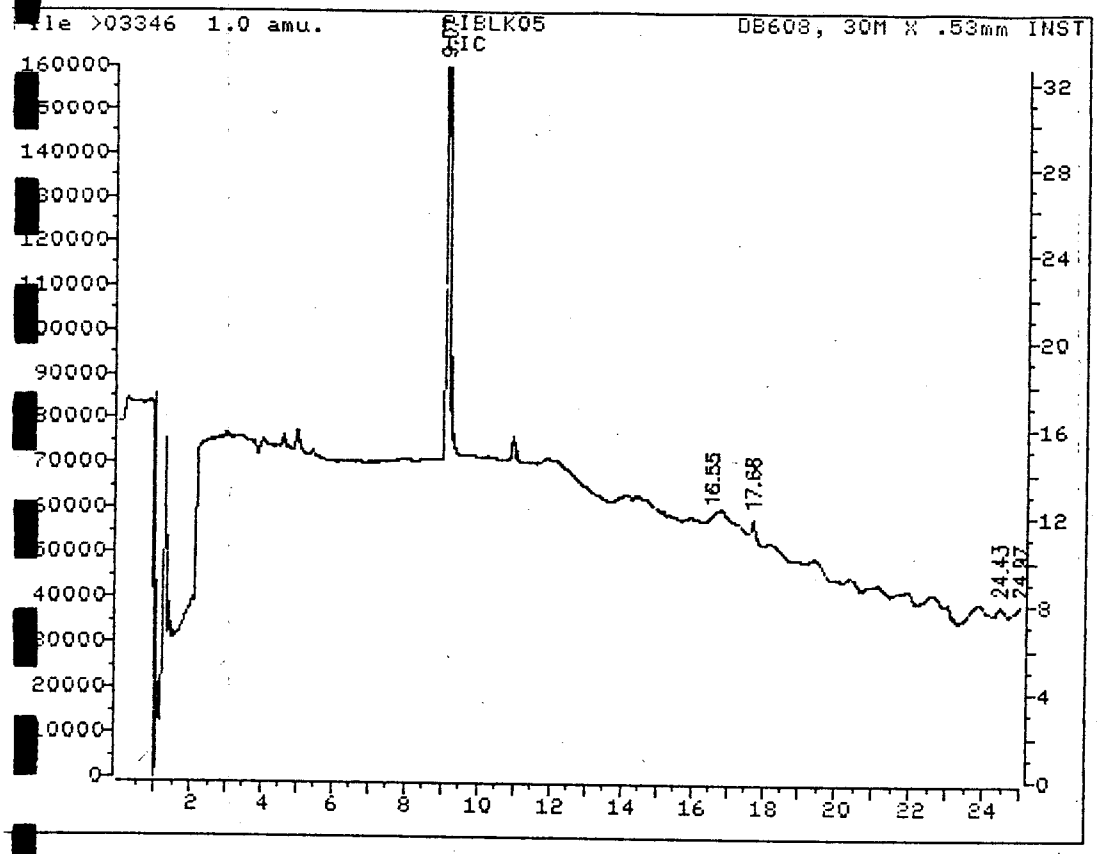
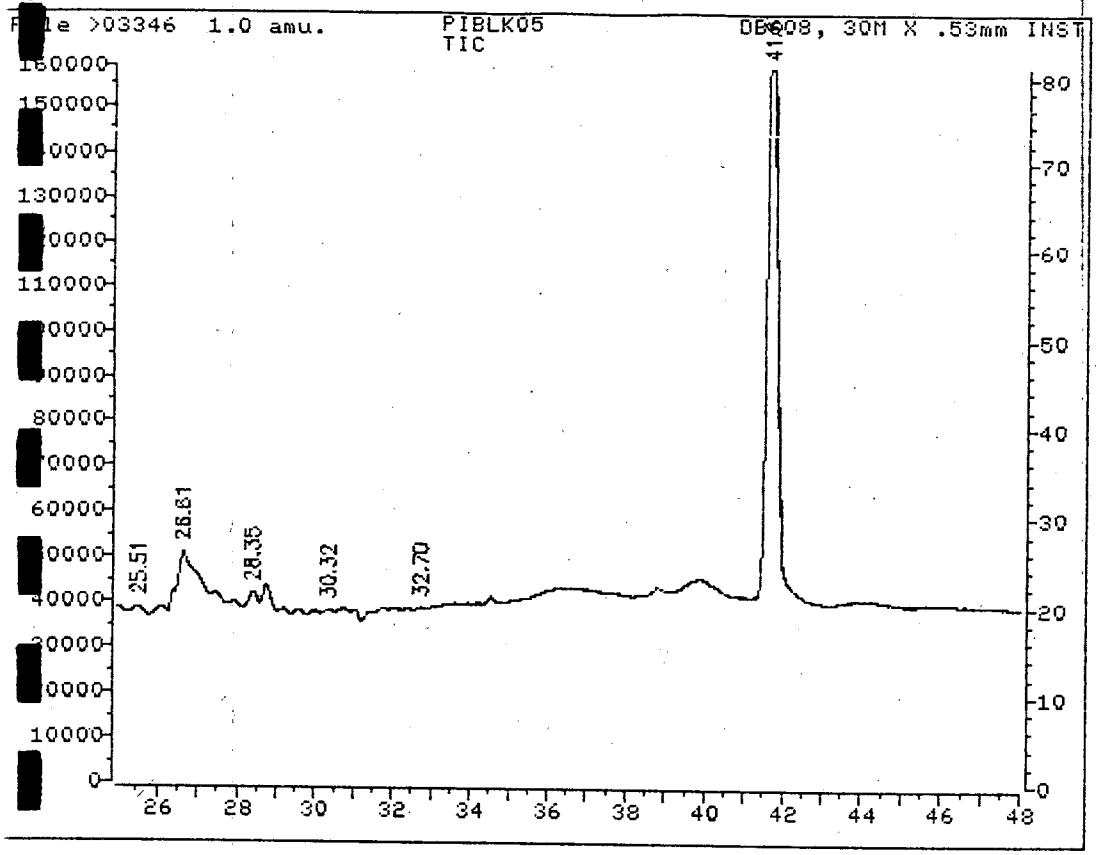


GC data file header from : >03346::F3

Sample: PIBLK05 Operator: TRFI2 7/15/96 12:36
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Ins. #: 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: PIBLK05 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

QUANT REPORT

Operator ID: TRFI2
Output File: ^04346::GQ
Data File: >04346::G1
Name: PIBLK05A
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

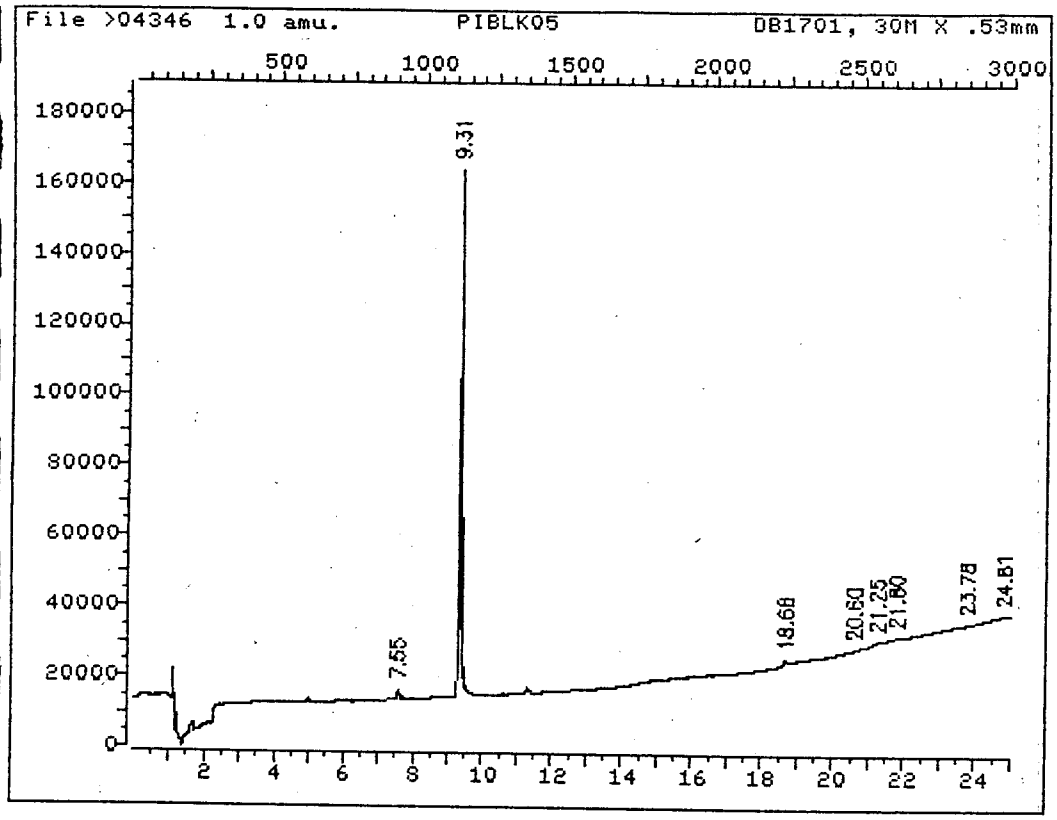
Quant Rev: 7
Quant Time: 960715 13:48
Injected at: 960715 12:36
Dilution Factor: 1.00000
Instrument ID: GC04

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

Compound uses ESTD

JMM 7/21/96



Data File: >04346::G1 Quant Output File: ^04346::GQ
Name: PIBLK05 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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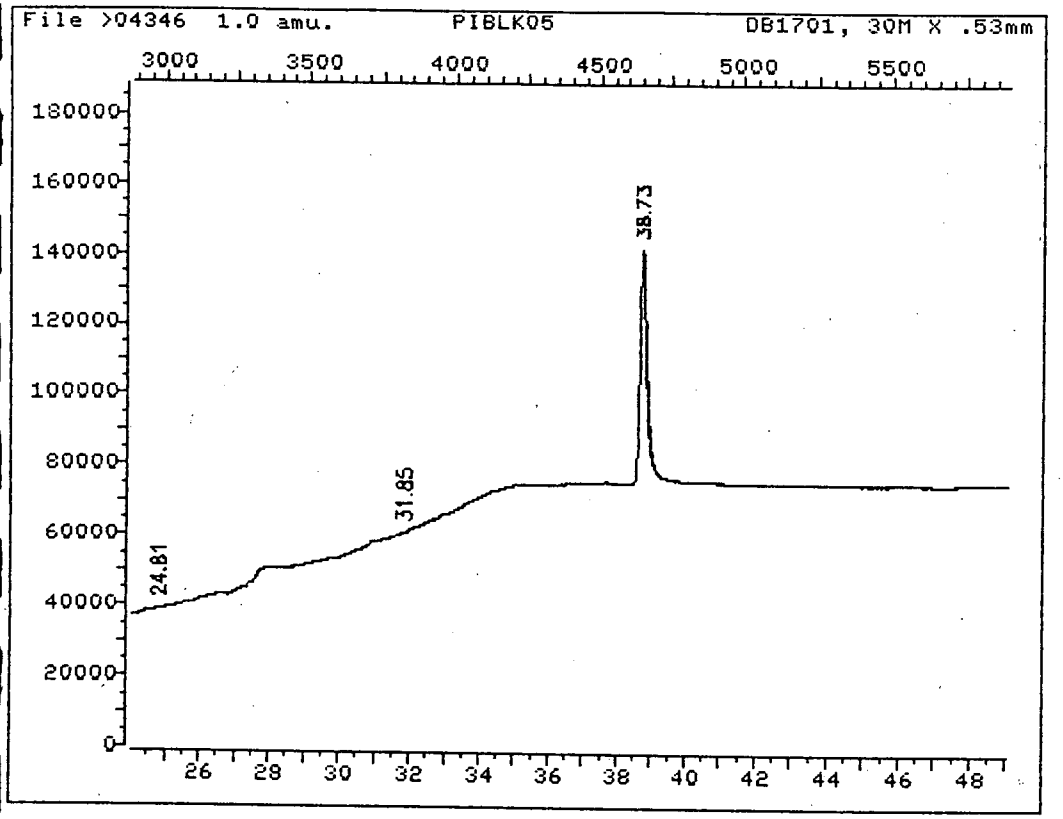

Data File: >04346::G1 Quant Output File: ^04346::GQ
Name: PIBLK05 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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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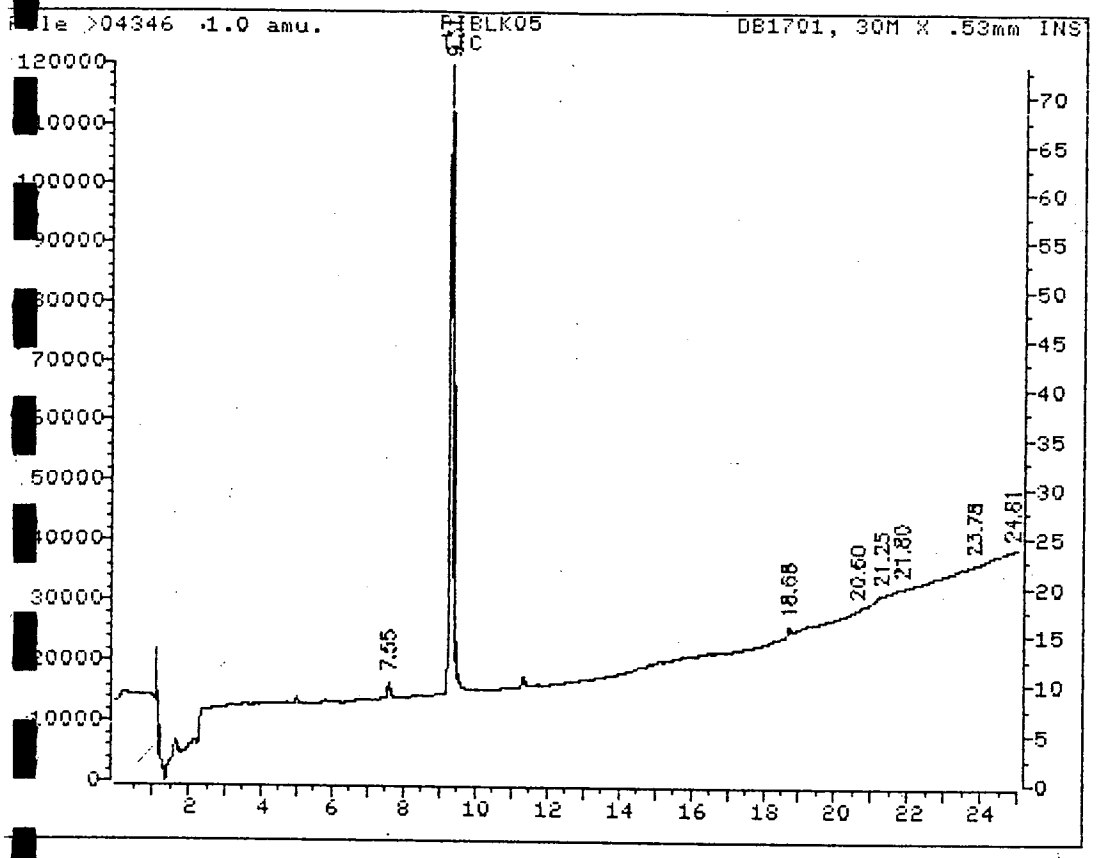
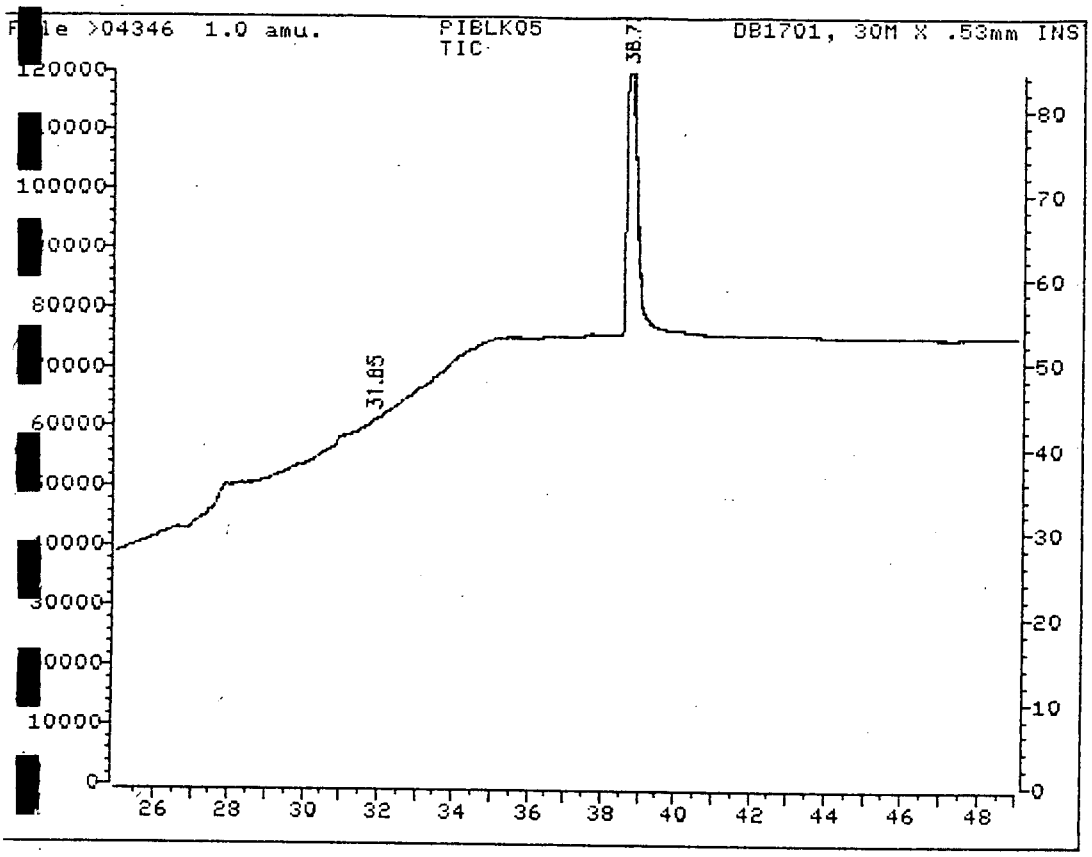


data file header from : >04346::G1

Sample: PIBLK05 Operator: TRFI2 7/15/96 12:36
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Ins. #: 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: PIBLK05 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

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: PIBLK06A

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

QUANT REPORT

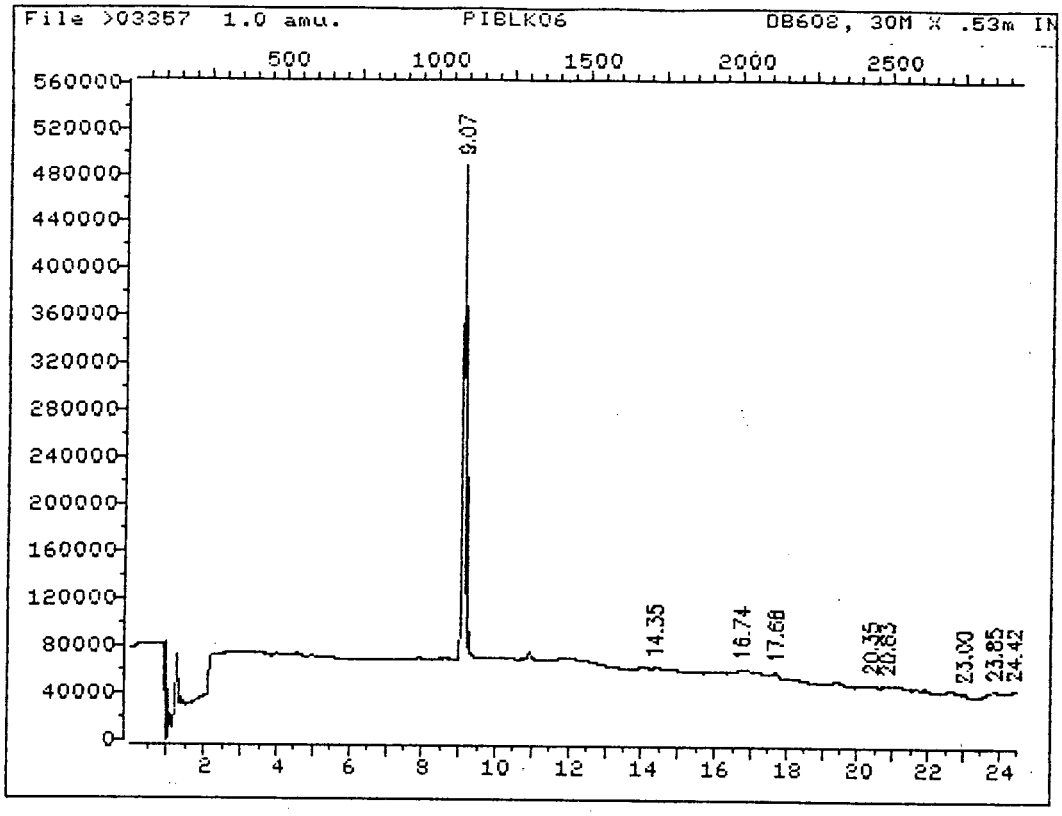
Operator ID: TRFI2
Output File: ^03357::GQ
Data File: >03357::F3
Name: PIBLK06
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960715 23:31
Injected at: 960715 22:40
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	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: PIBLK06 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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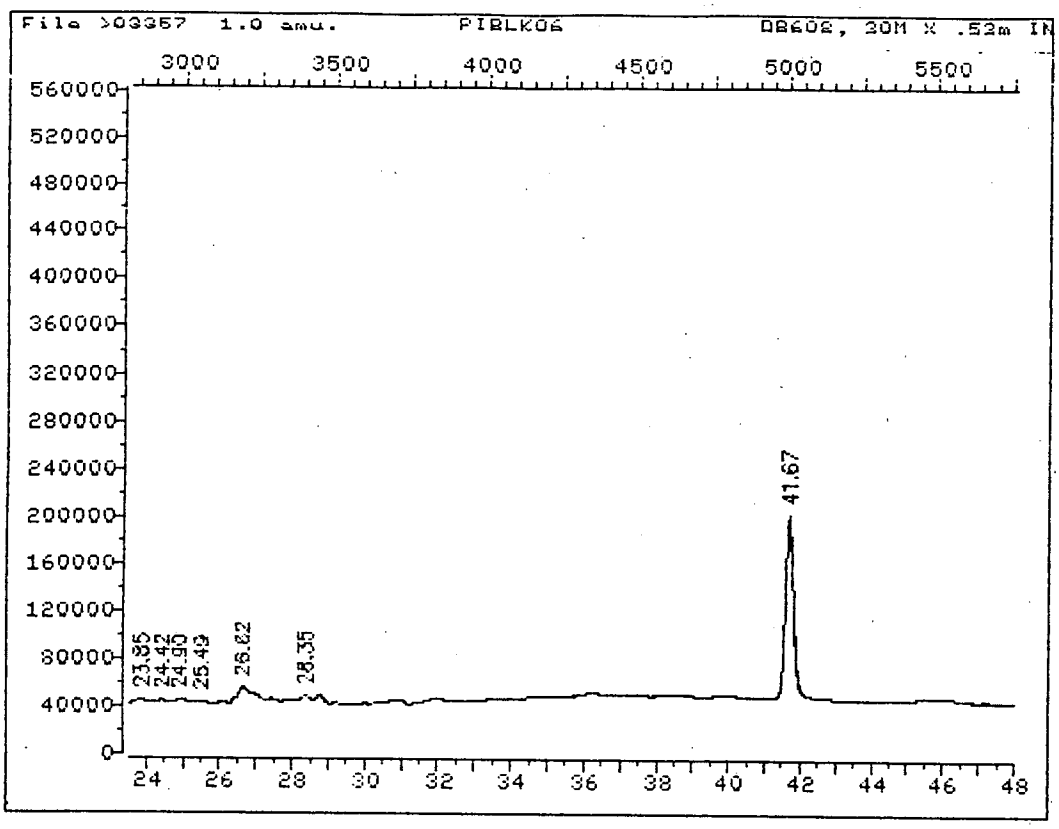

Data File: >03357::F3 Quant Output File: ^03357::GQ
Name: PIBLK06 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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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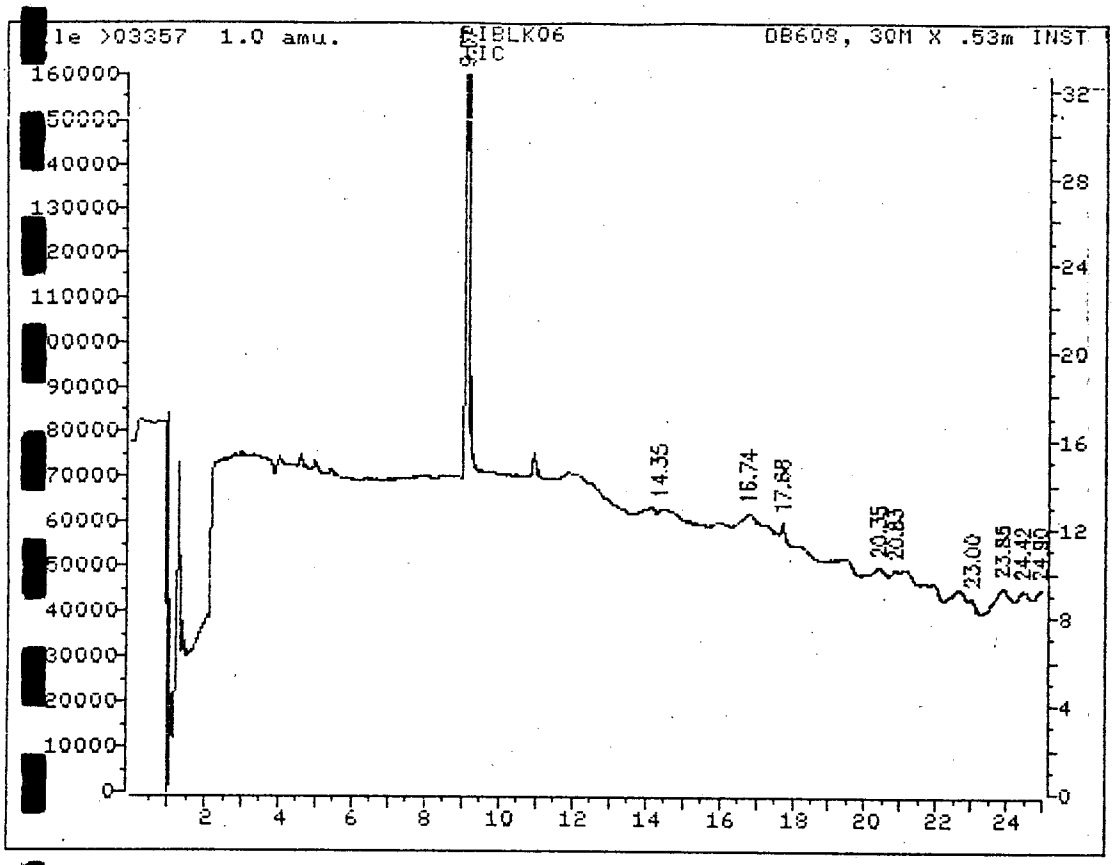
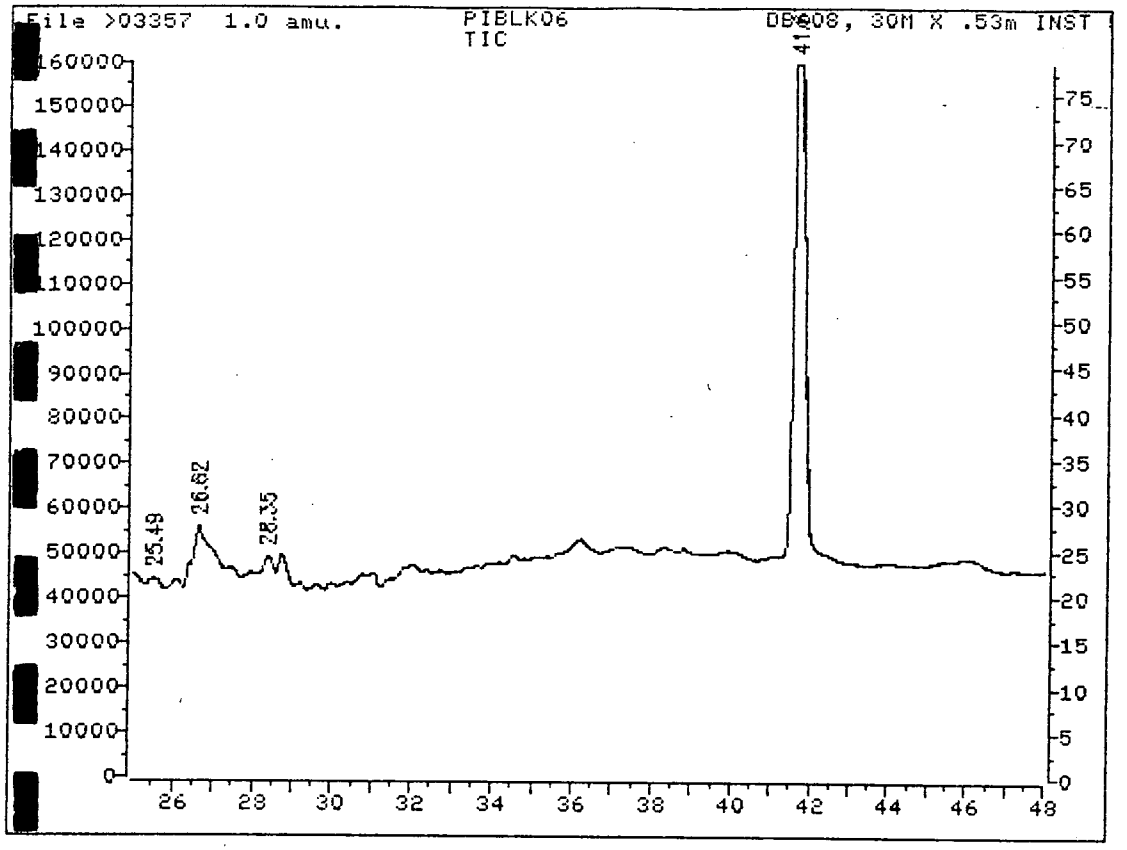


MS data file header from : >03357::F3

ample: PIBLK06 Operator: TRFI2 7/15/96 22:40
Misc : DB608, 30M X .53m INST 58903, 1ul INJ
ys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >03357::F3

Sample: PIBLK06 Operator: TRFI2 7/15/96 22:40
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

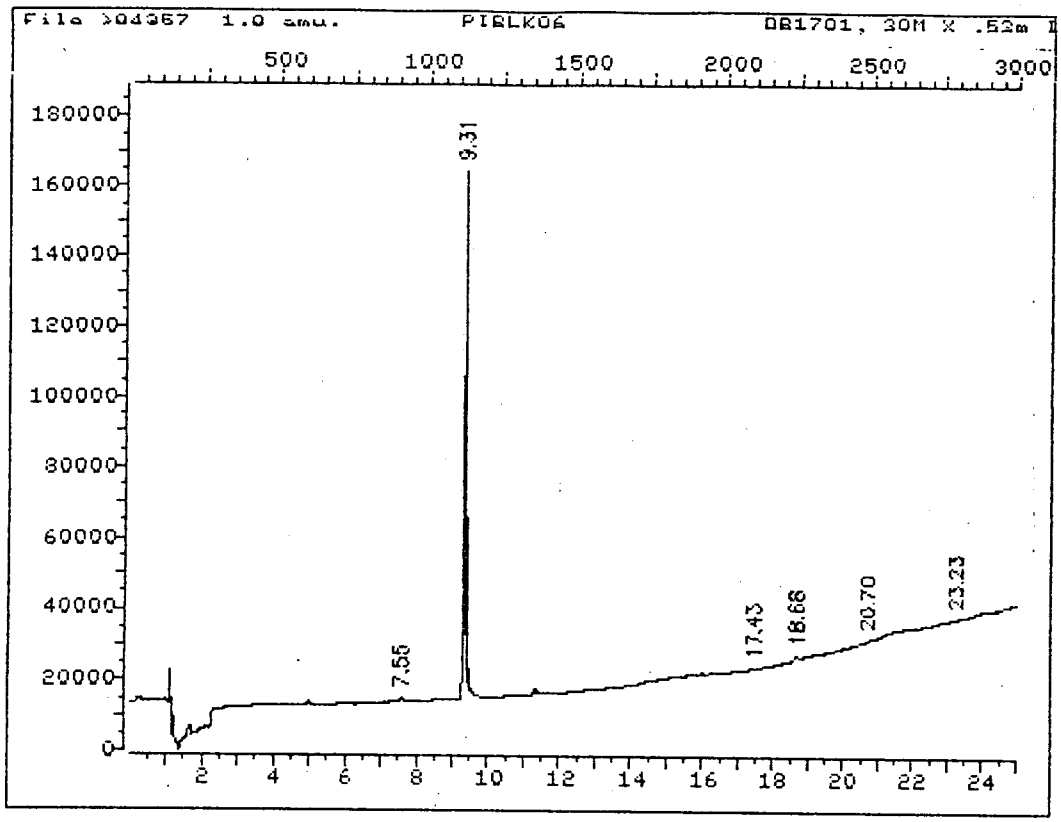
Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0

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: PIBLK06 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

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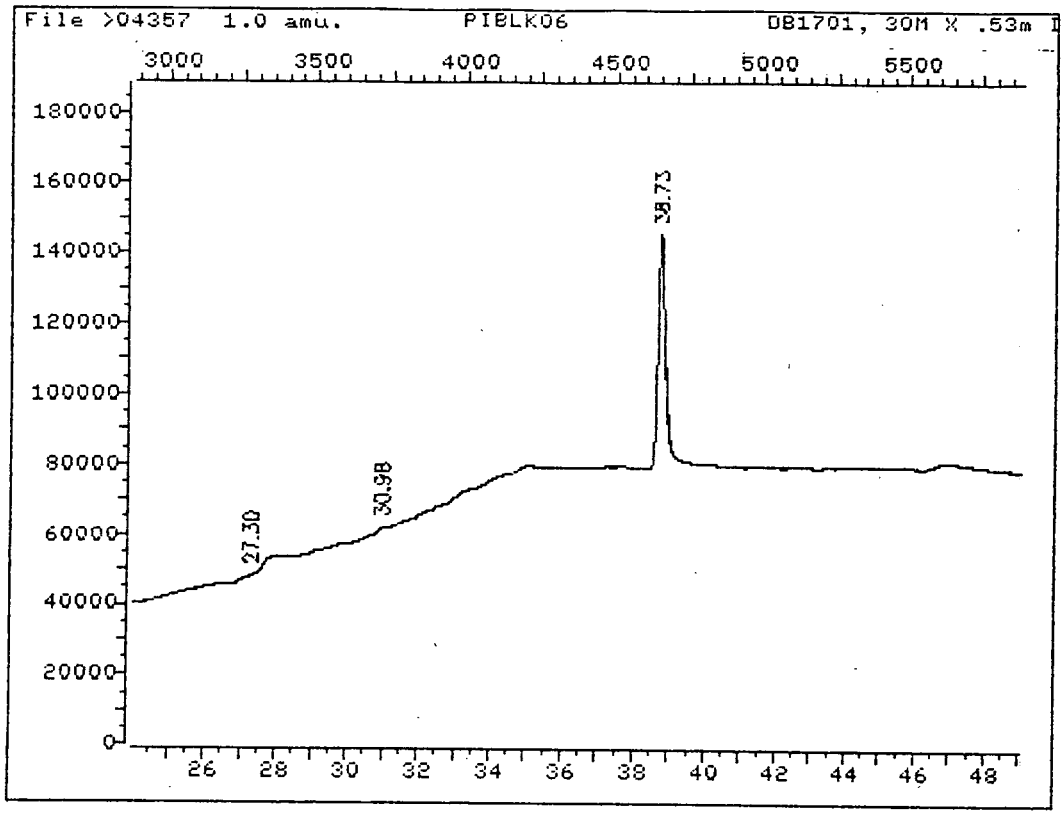

Data File: >04357::G1 Quant Output File: ^04357::GQ
Name: PIBLK06 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

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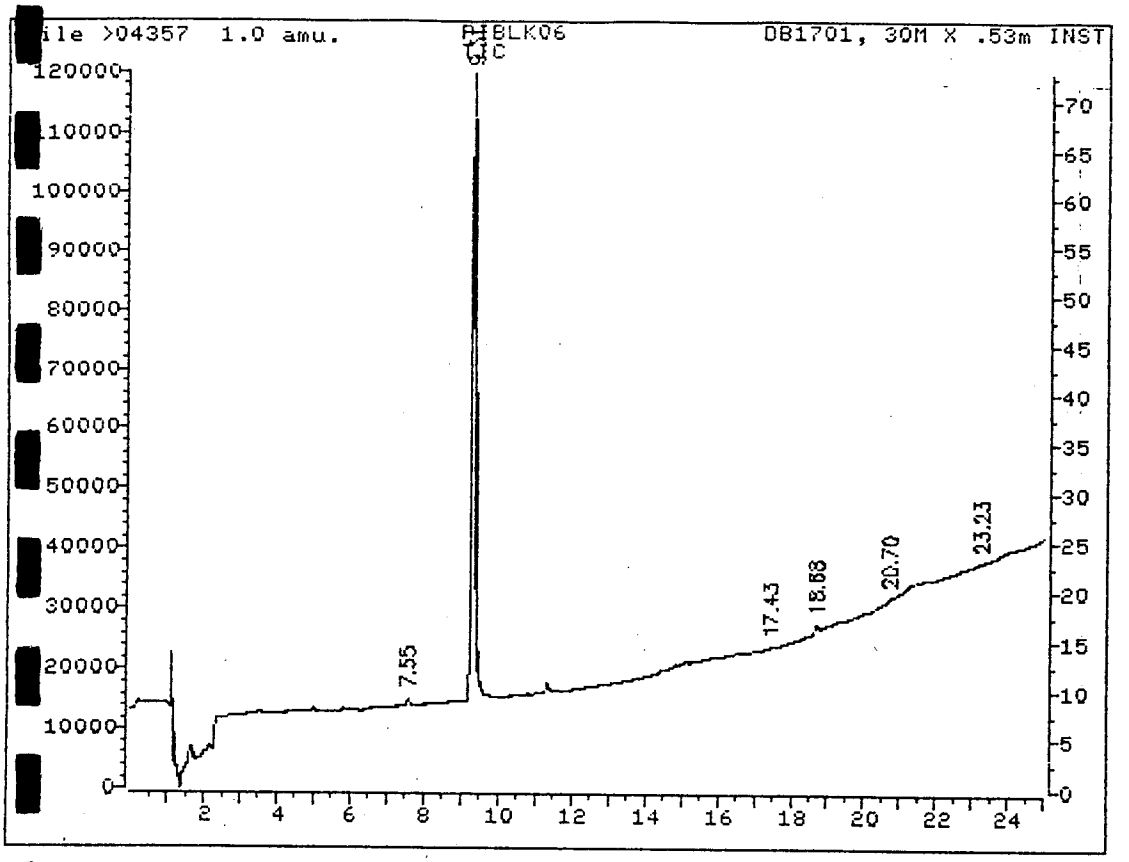
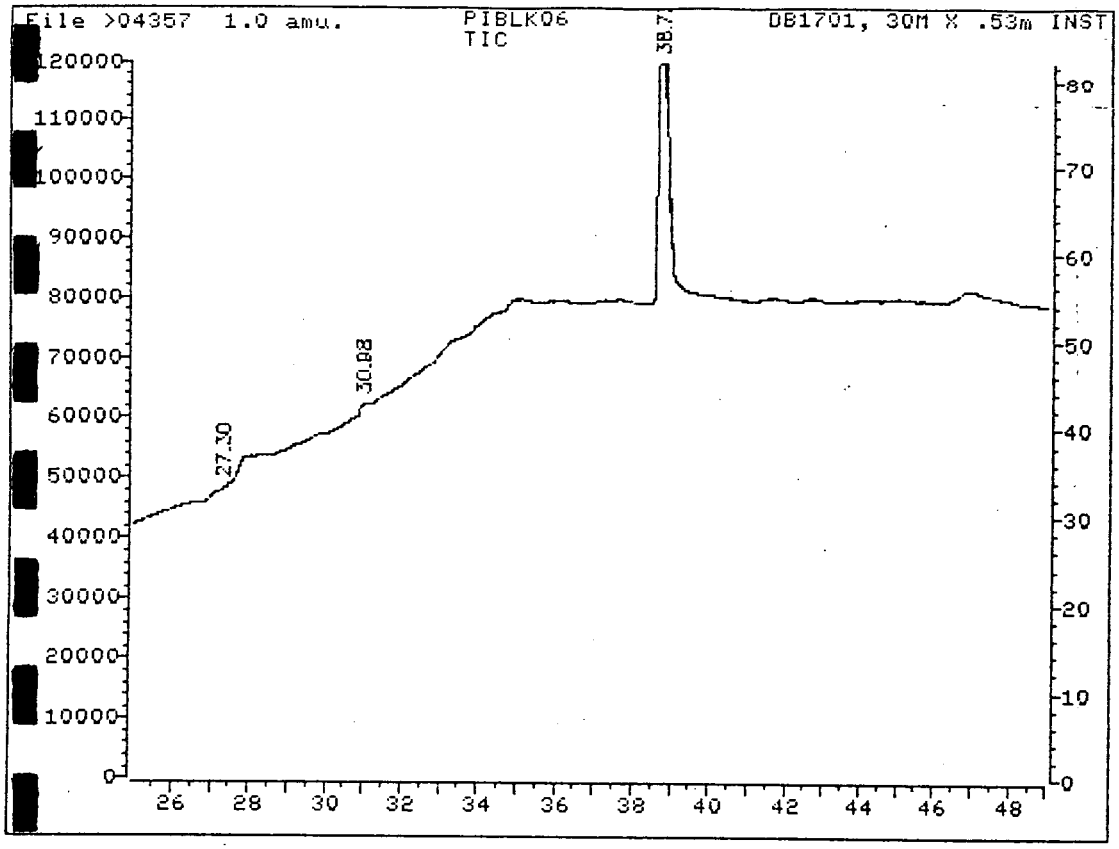


MS data file header from : >04357::G1

ample: PIBLK06 Operator: TRFI2 7/15/96 22:41
Misc : DB1701, 30M X .53m 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 : >04357::G1

Sample: PIBLK06 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: PIBLK07A

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

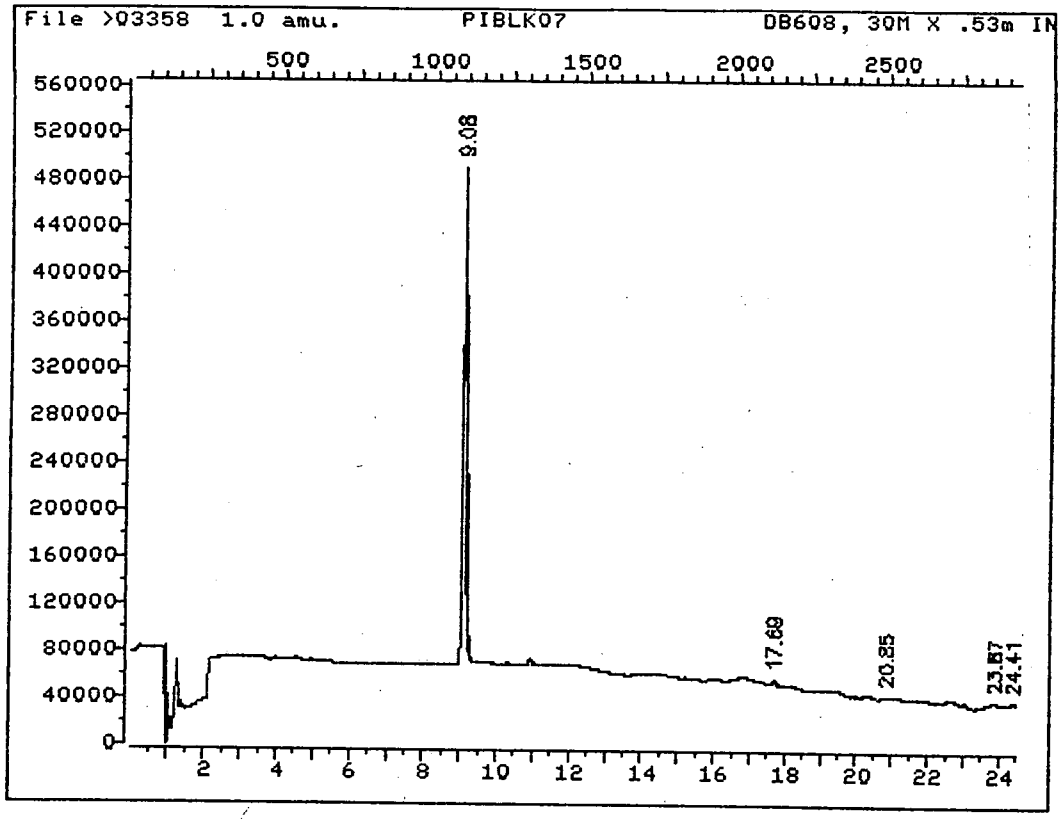
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 00:26
Output File: ^03358::GQ Injected at: 960715 23:36
Data File: >03358::F3 Dilution Factor: 1.00000
Name: PIBLK07A Instrument ID: GC03
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

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

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.08	1090	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
~~42) #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

7/19/96



Data File: >03358::F3 Quant Output File: ^03358::GQ
Name: PIBLK07 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

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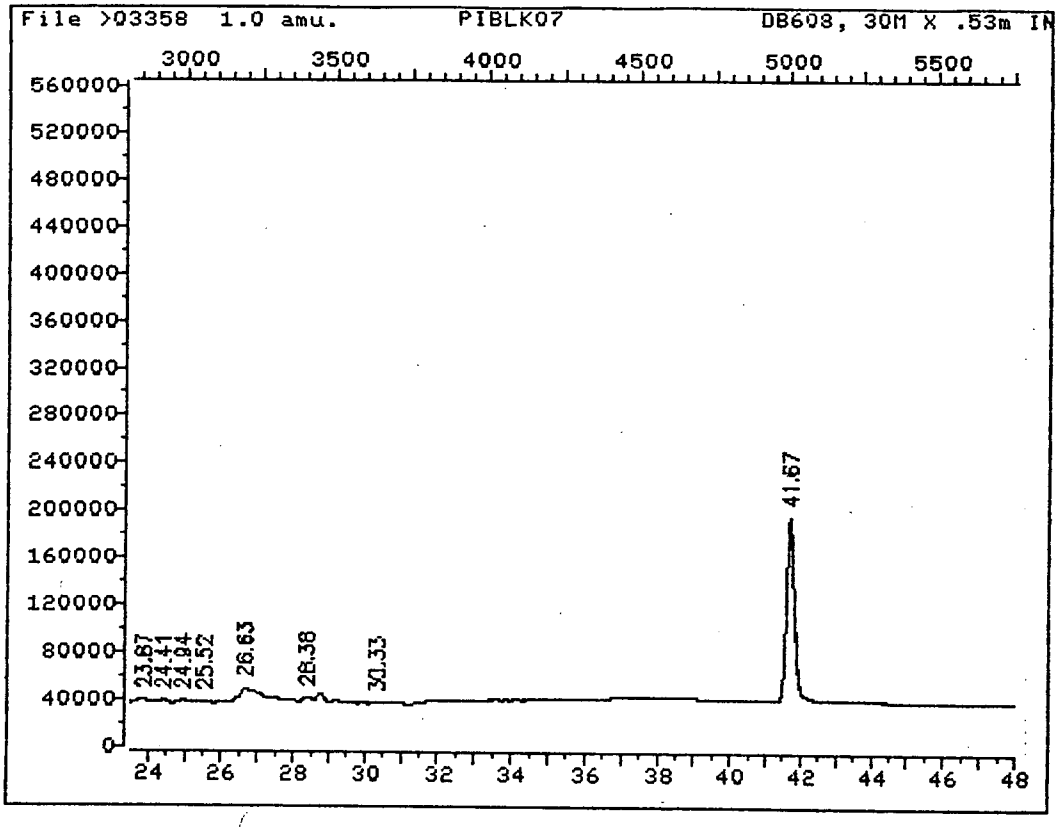
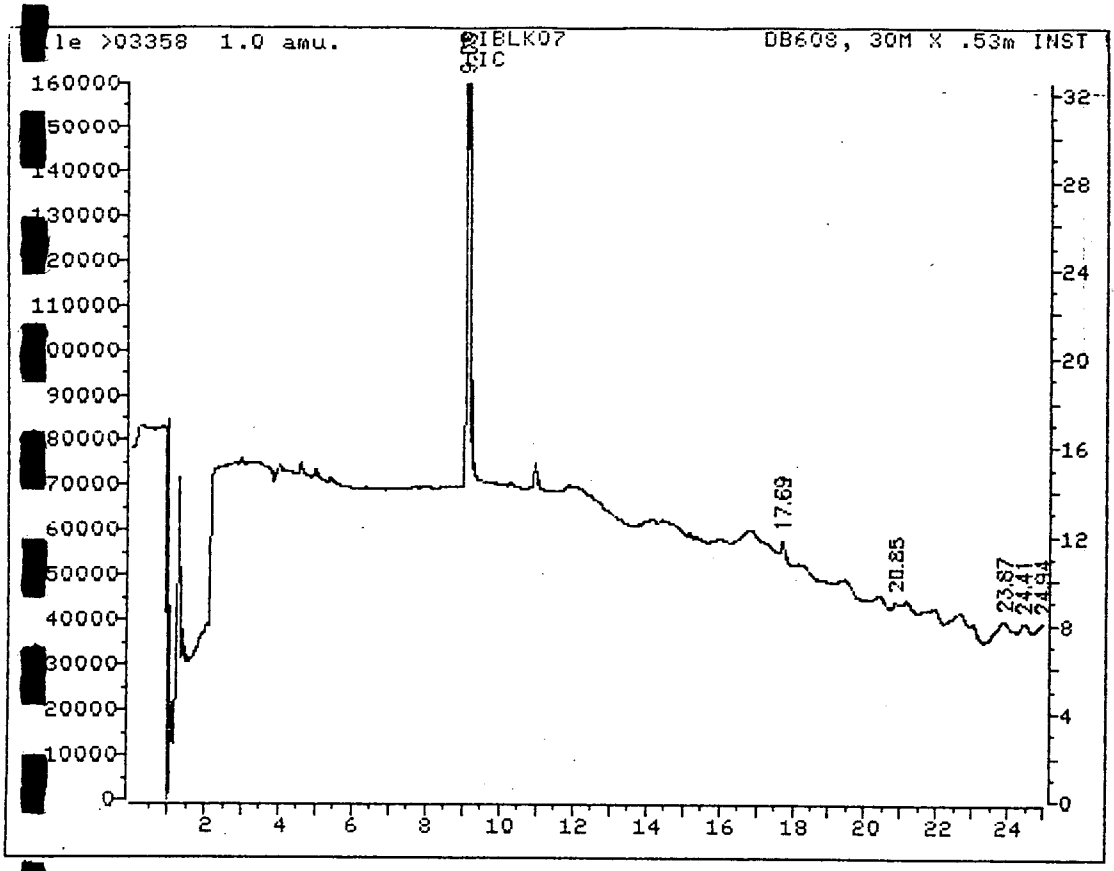


Data File: >03358::F3 Quant Output File: ^03358::GQ
Name: PIBLK07 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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

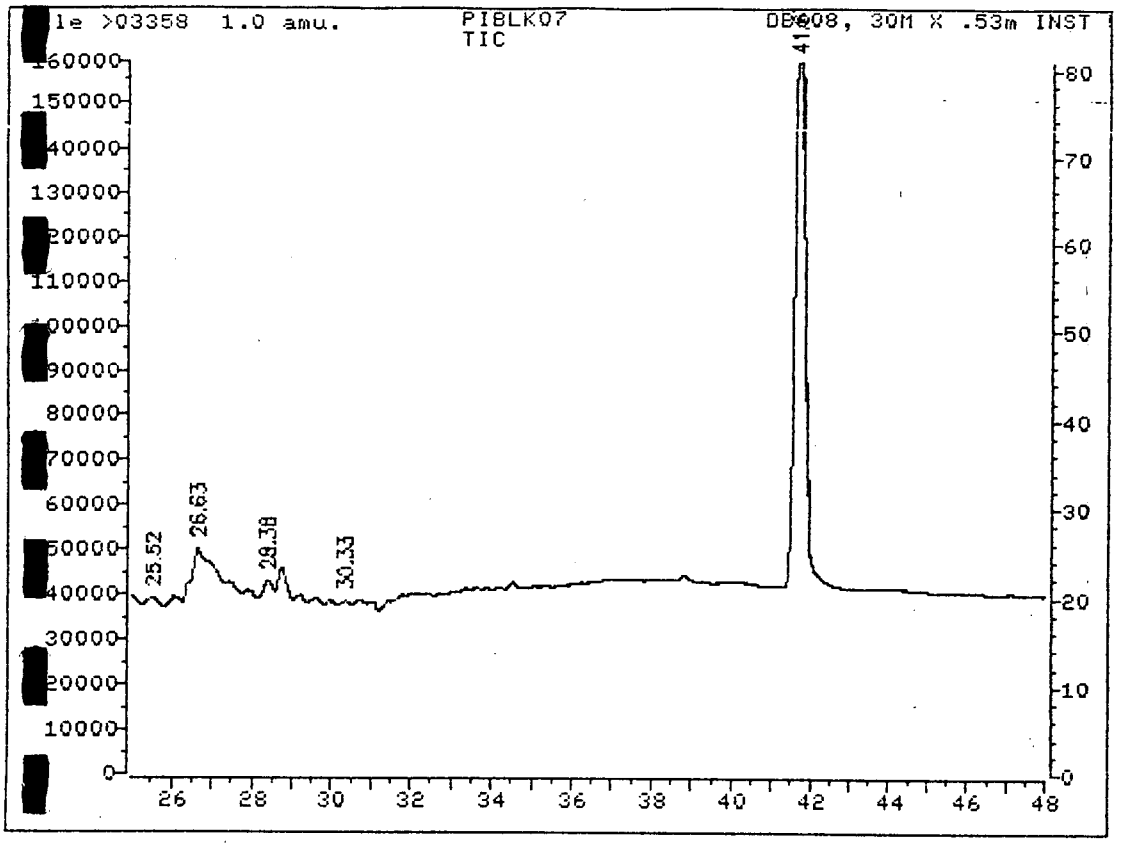
Page 2 of 2



MS data file header from : >03358::F3

Sample: PIBLK07 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

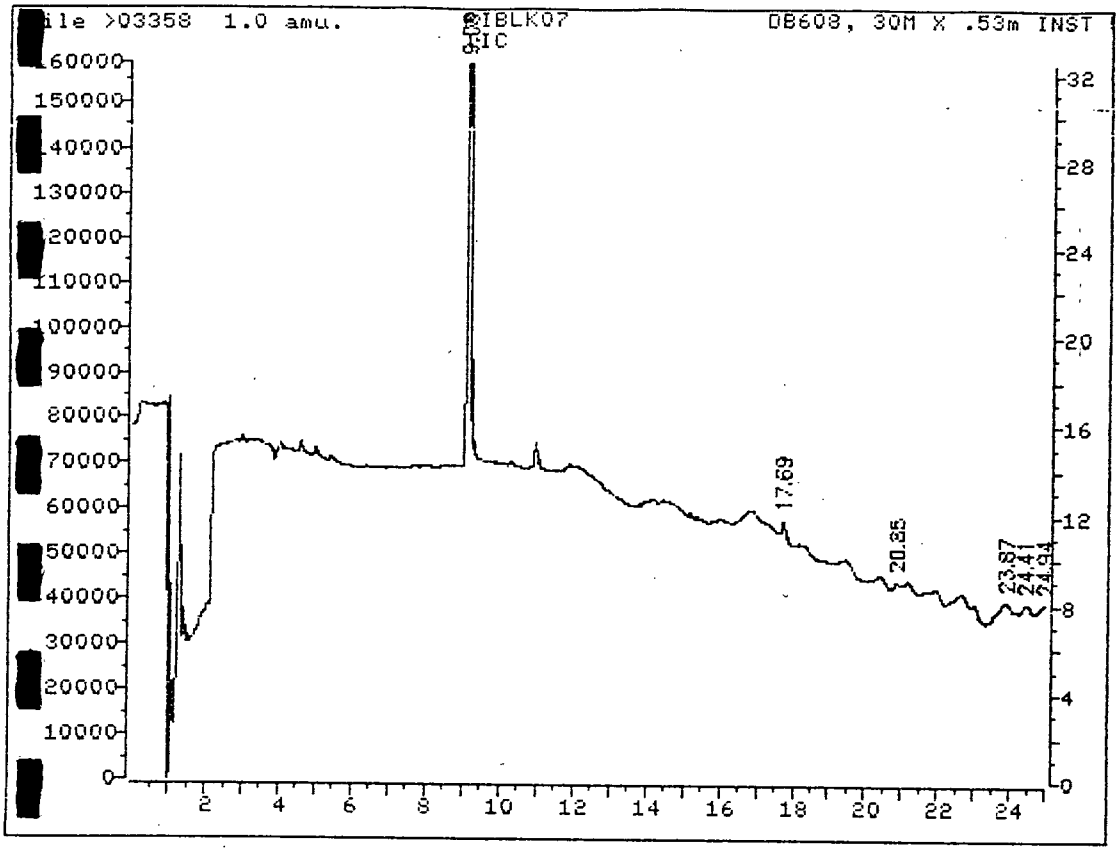
Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >03358::F3

ample: PIBLK07 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

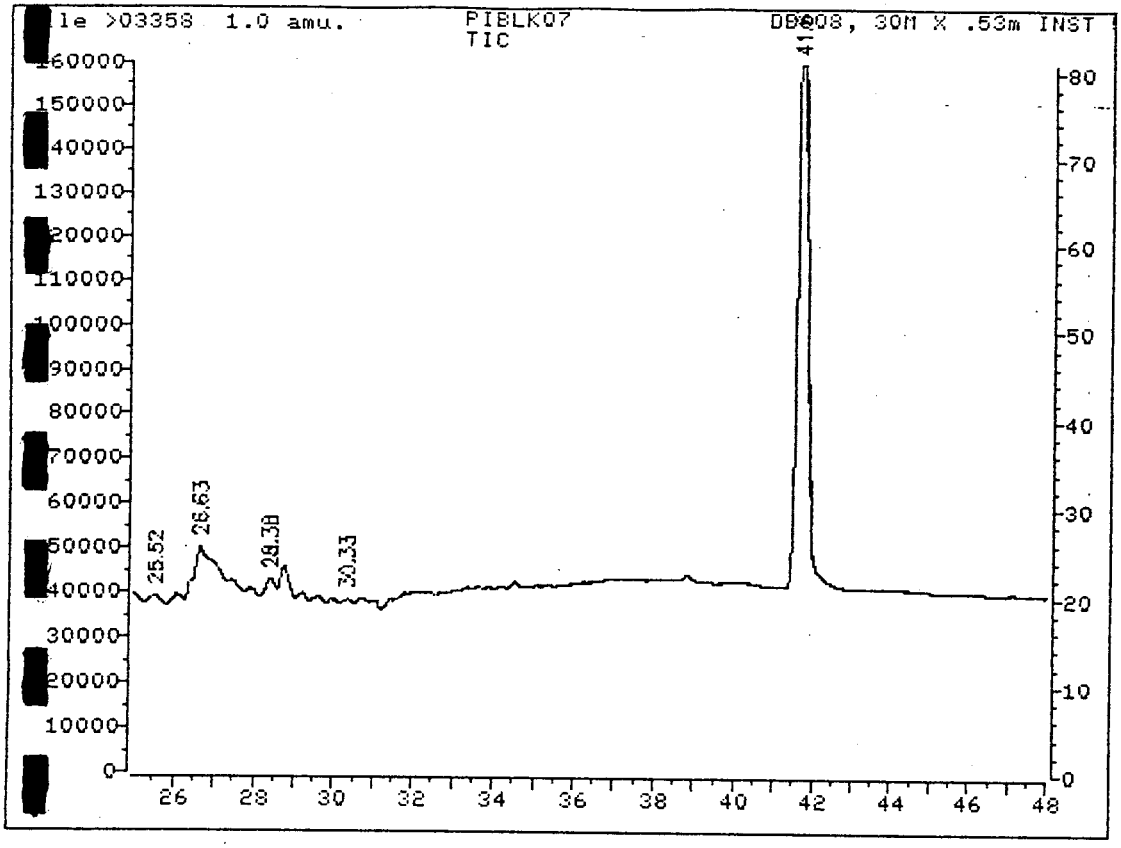
Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >03358::F3

ample: PIBLK07 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

ample: PIBLK07 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

QUANT REPORT

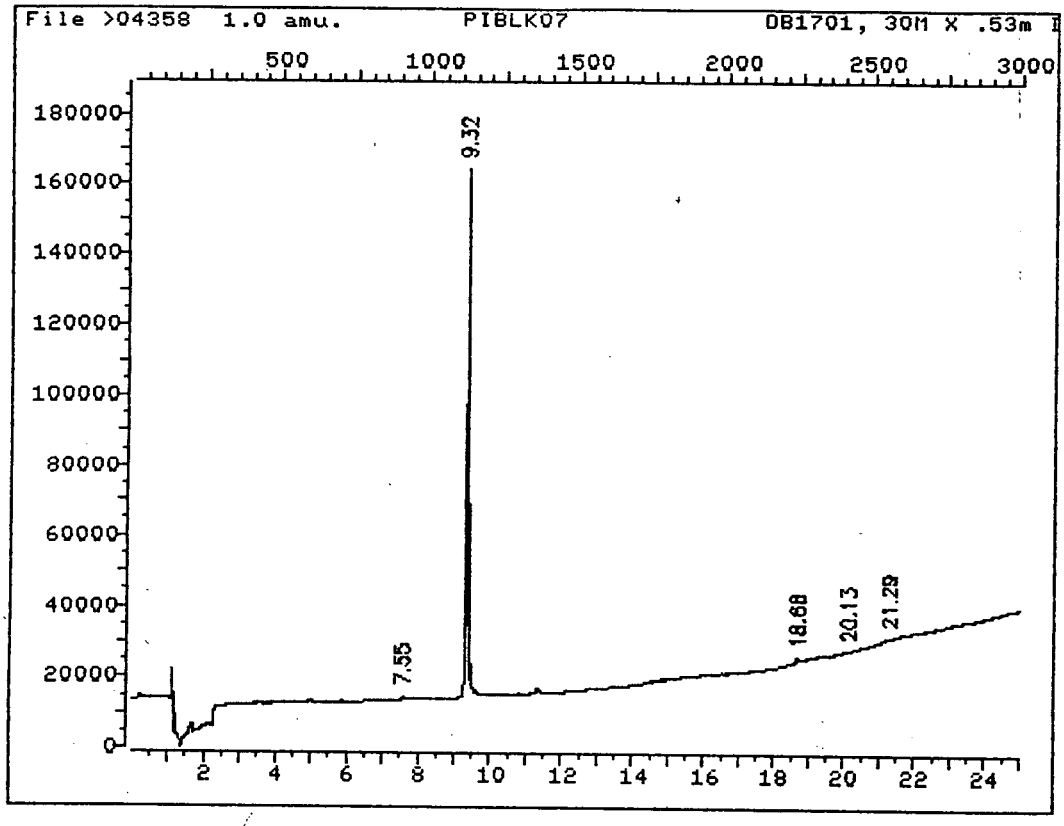
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 00:28
Output File: ^04358::GQ Injected at: 960715 23:36
Data File: >04358::G1 Dilution Factor: 1.00000
Name: PIBLK07A Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

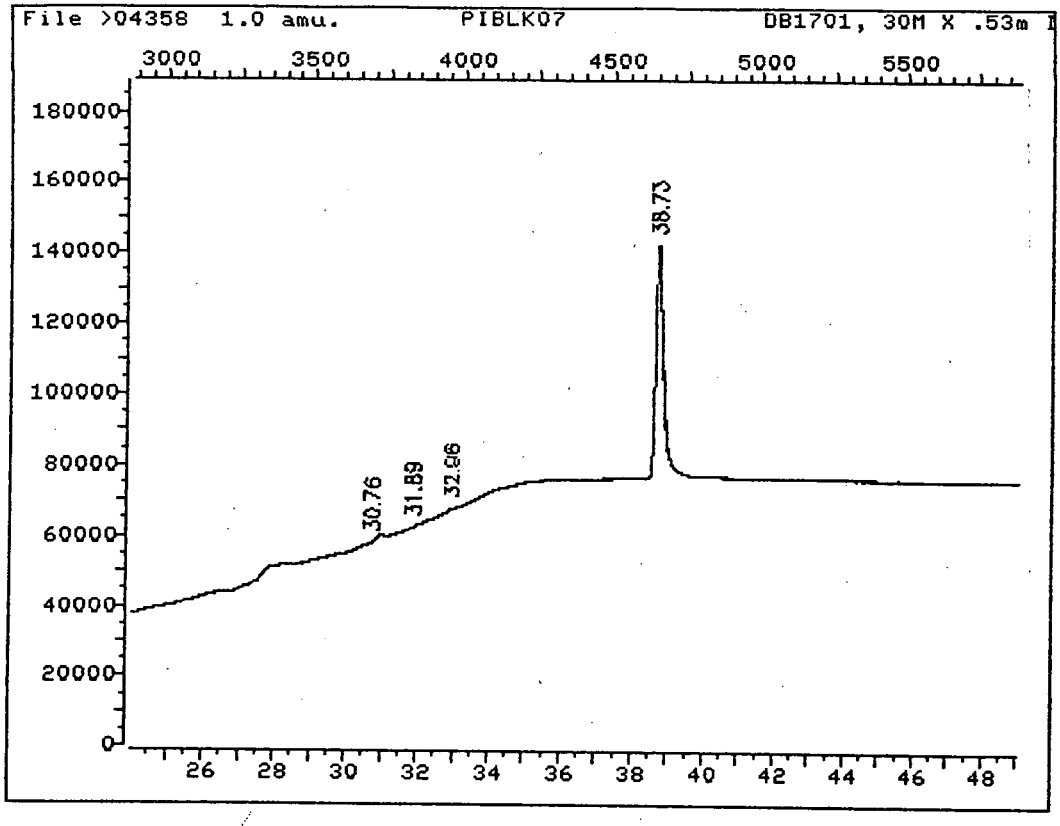


Data File: >04358::G1 Quant Output File: ^04358::GQ
Name: PIBLK07 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

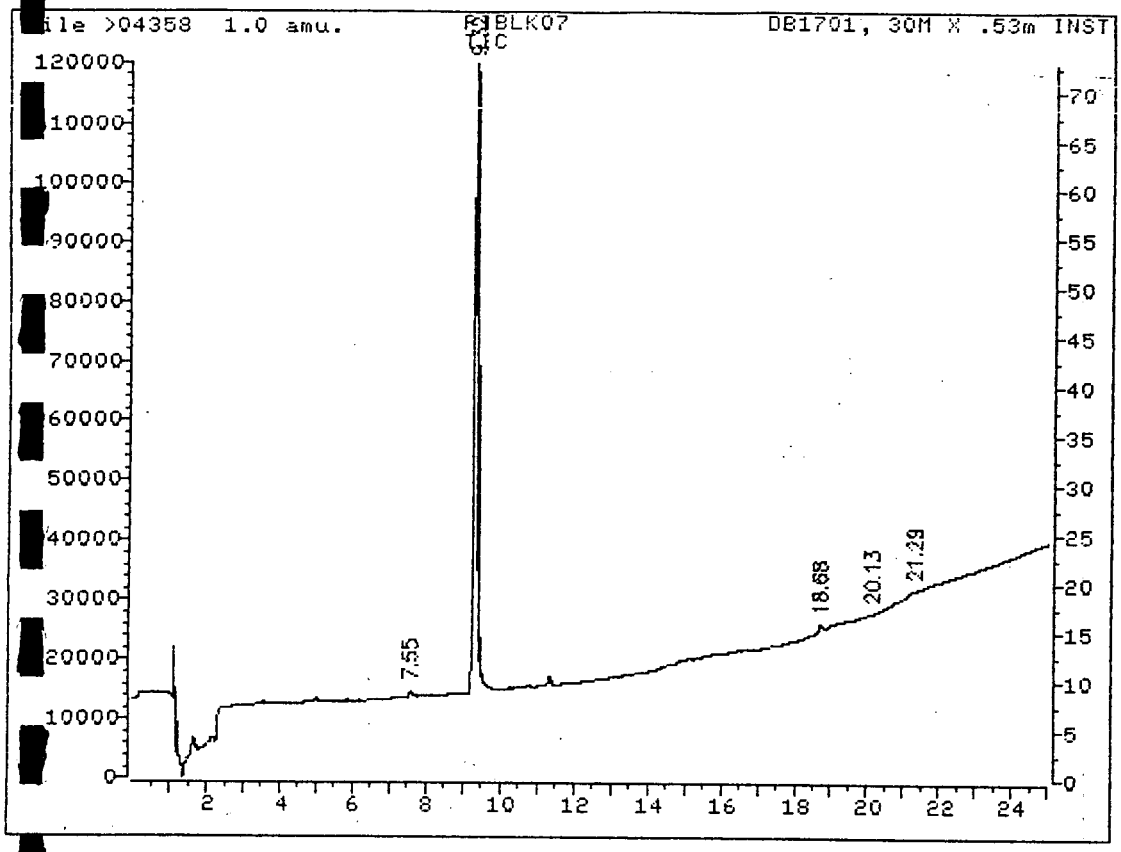


Data File: >04358::G1 Quant Output File: ^04358::GQ
Name: PIBLK07 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

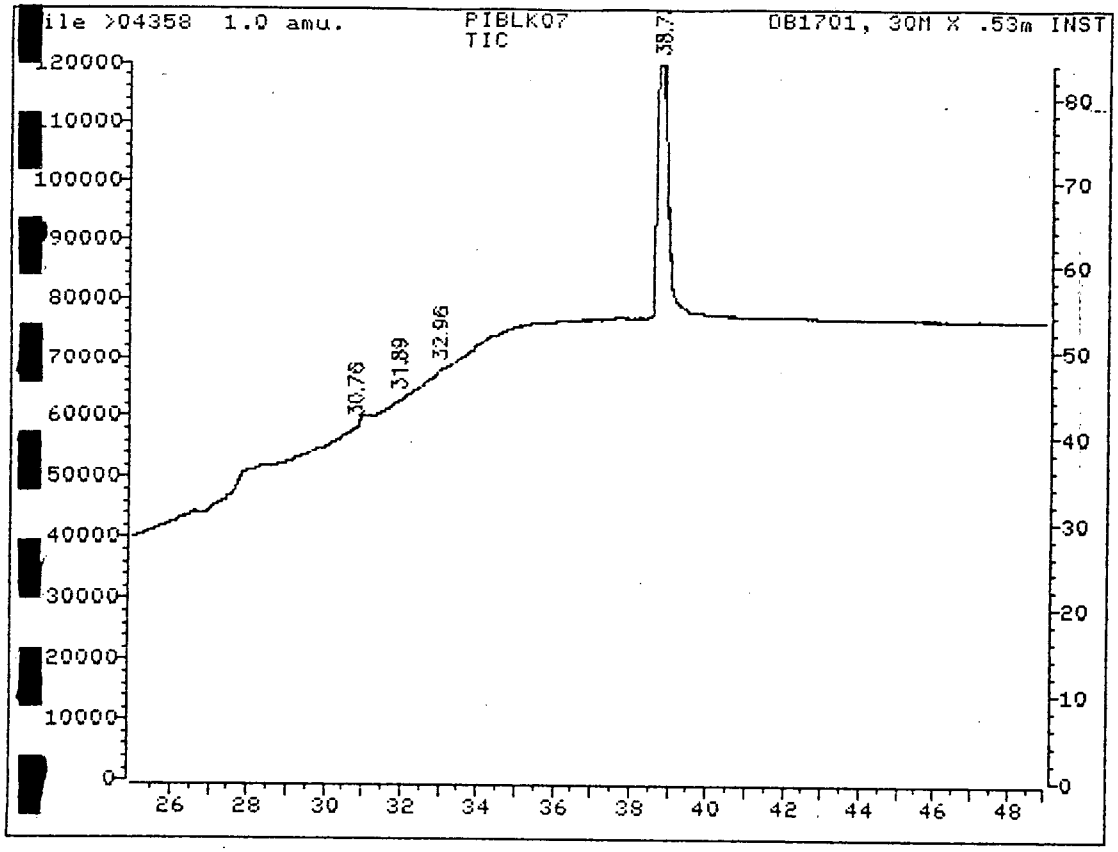
Page 2 of 2



MS data file header from : >04358::G1

Sample: PIBLK07 Operator: TRFI2 7/15/96 23:36
Misc : DB1701, 30M X .53m INST 58903, 1ul INJ
Rvs. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

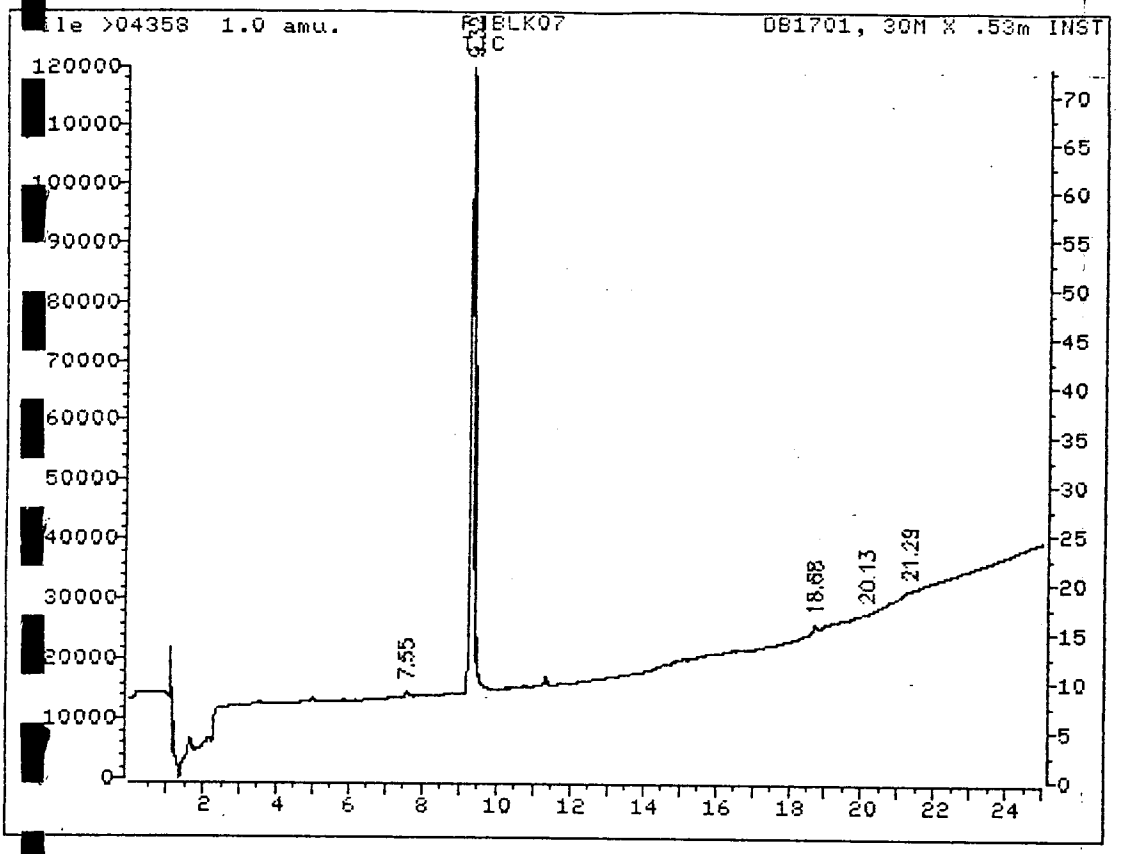
Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >04358::G1

ample: PIBLK07 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

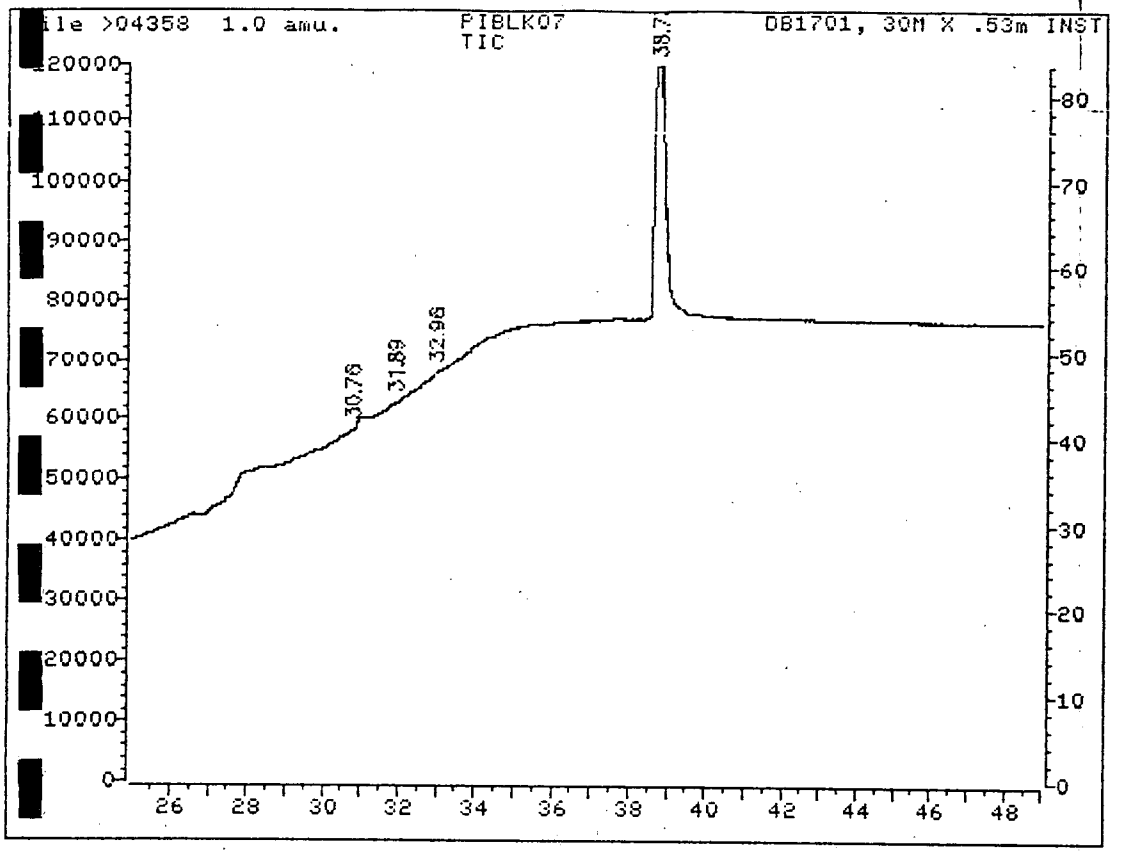
Chromatographic temperatures :	0.	0.	0.	0.	0.
Chromatographic times, min. :	0.0	0.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	0.0	0.0	0.0	0.0	0.0



MS data file header from : >04358::G1

Sample: PIBLK07 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: PIBLK07 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

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: PIBLK09A

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
Disc: DB608, 30M X .53m INST 58903, 1ul INJ

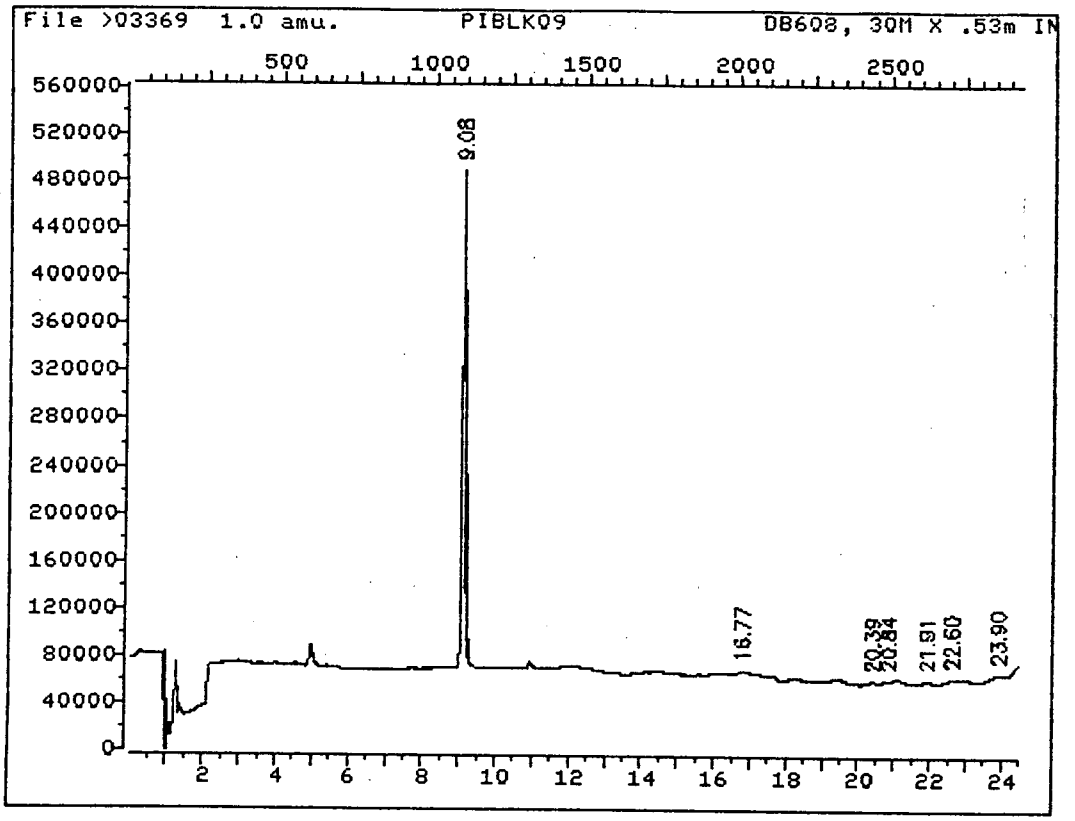
Quant Rev: 7
Quant Time: 960716 11:29
Injected at: 960716 09:36
Dilution Factor: 1.00000
Instrument ID: GC03

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~~ <RQL	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)	#T~~oxaphene~~(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

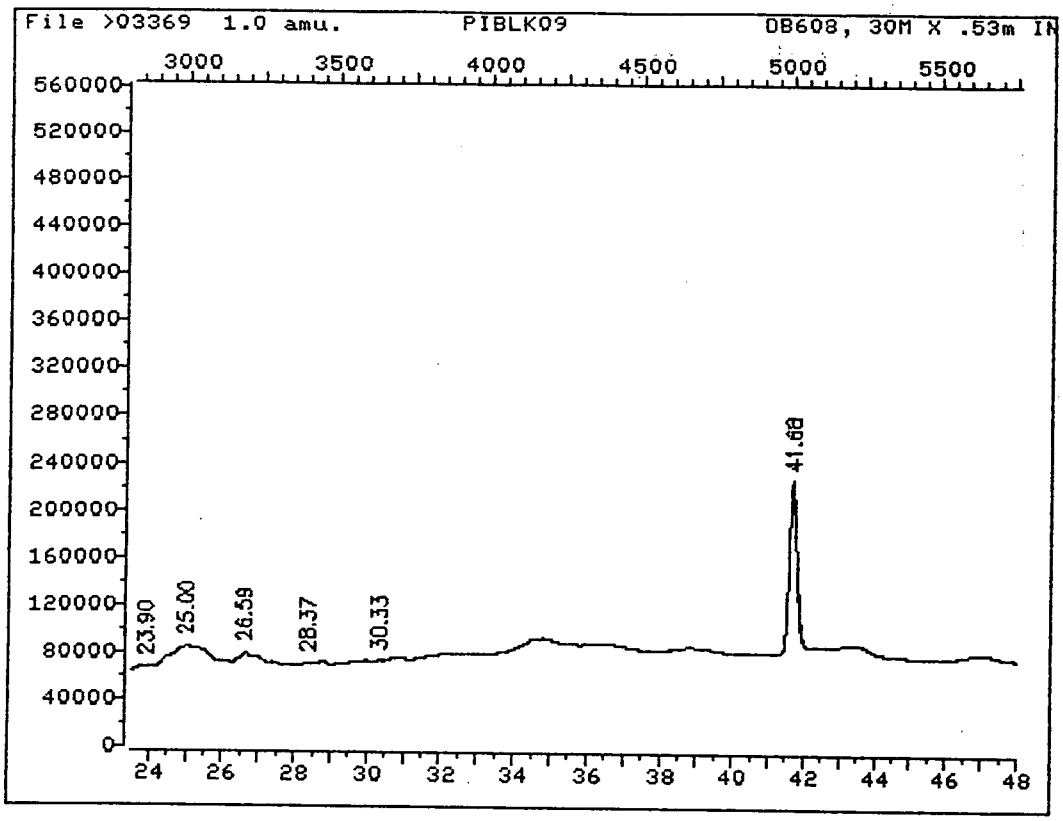


Data File: >03369::F3 Quant Output File: ^03369::GQ
Name: PIBLK09 Instrument ID: GC03
Misc: DB608, 30M X .53m INST 58903, 1ul INJ

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 1 of 2



Data File: >03369::F3 Quant Output File: ^03369::GQ
Name: PIBLK09 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

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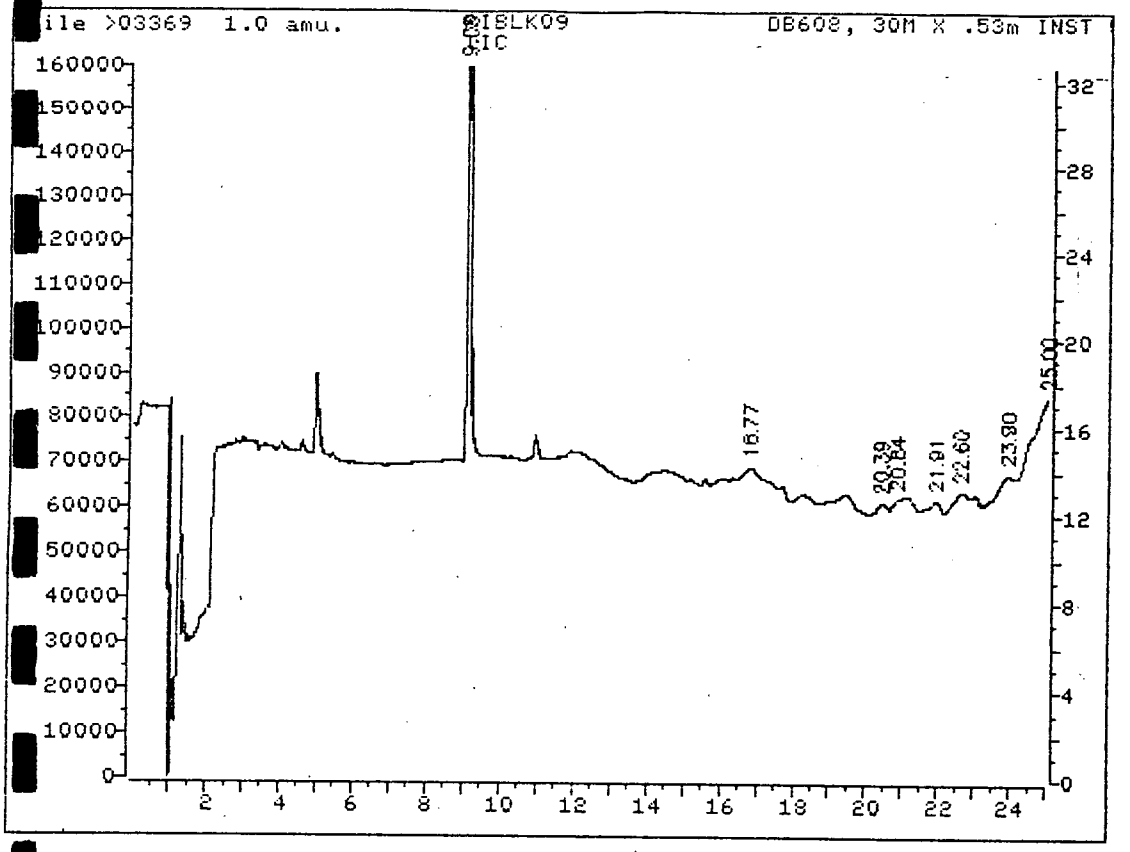
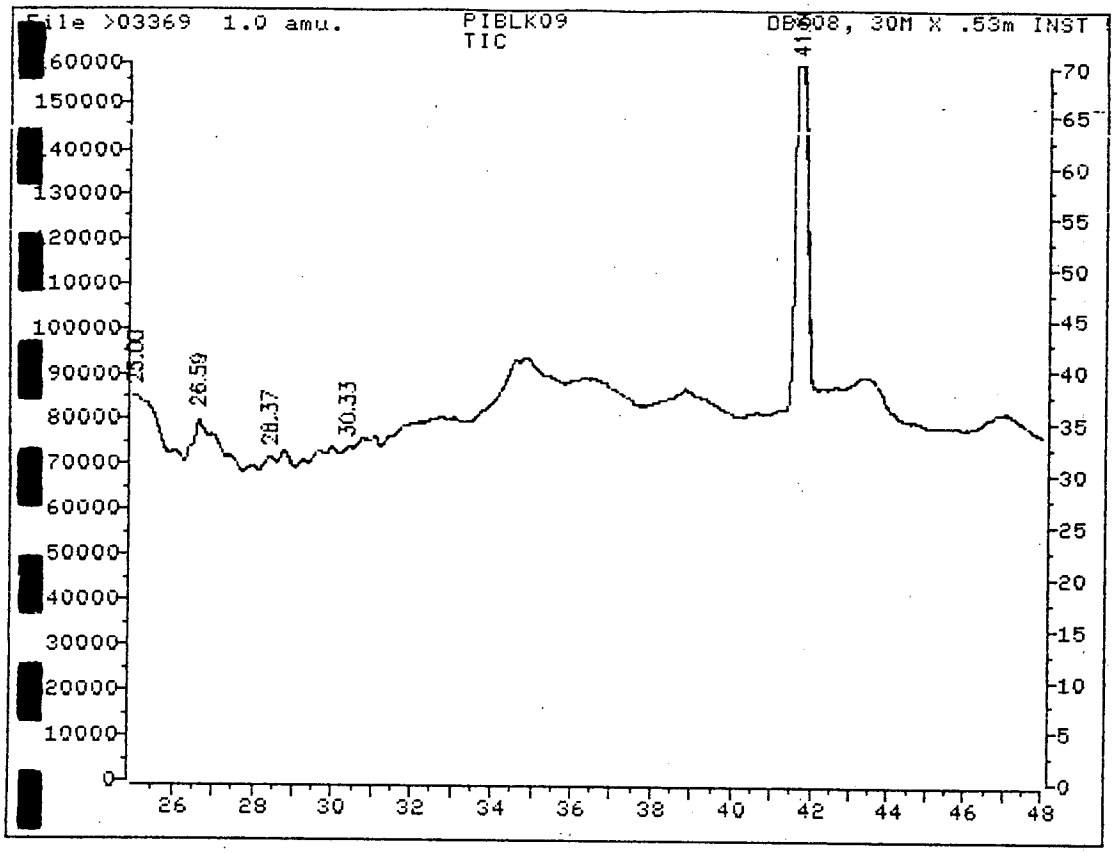


MS data file header from : >03369::F3

Sample: PIBLK09 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: PIBLK09 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

QUANT REPORT

Operator ID: TRFI2
Output File: ^04369::GQ
Data File: >04369::G1
Name: PIBLK09A
Disc: DB1701, 30M X .53m INST 58903, 1ul INJ

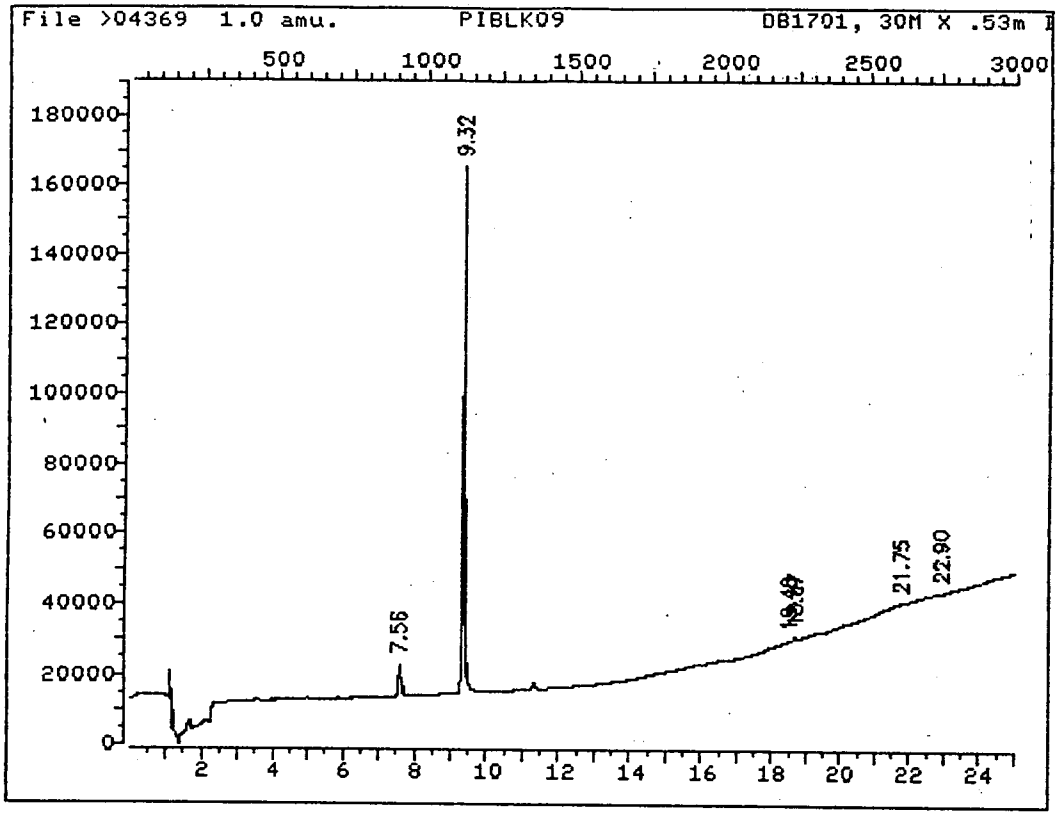
Quant Rev: 7
Quant Time: 960716 11:33
Injected at: 960716 09:36
Dilution Factor: 1.00000
Instrument ID: GC04

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

EPW
7/22/96



Data File: >04369::G1 Quant Output File: ^04369::GQ
Name: PIBLK09 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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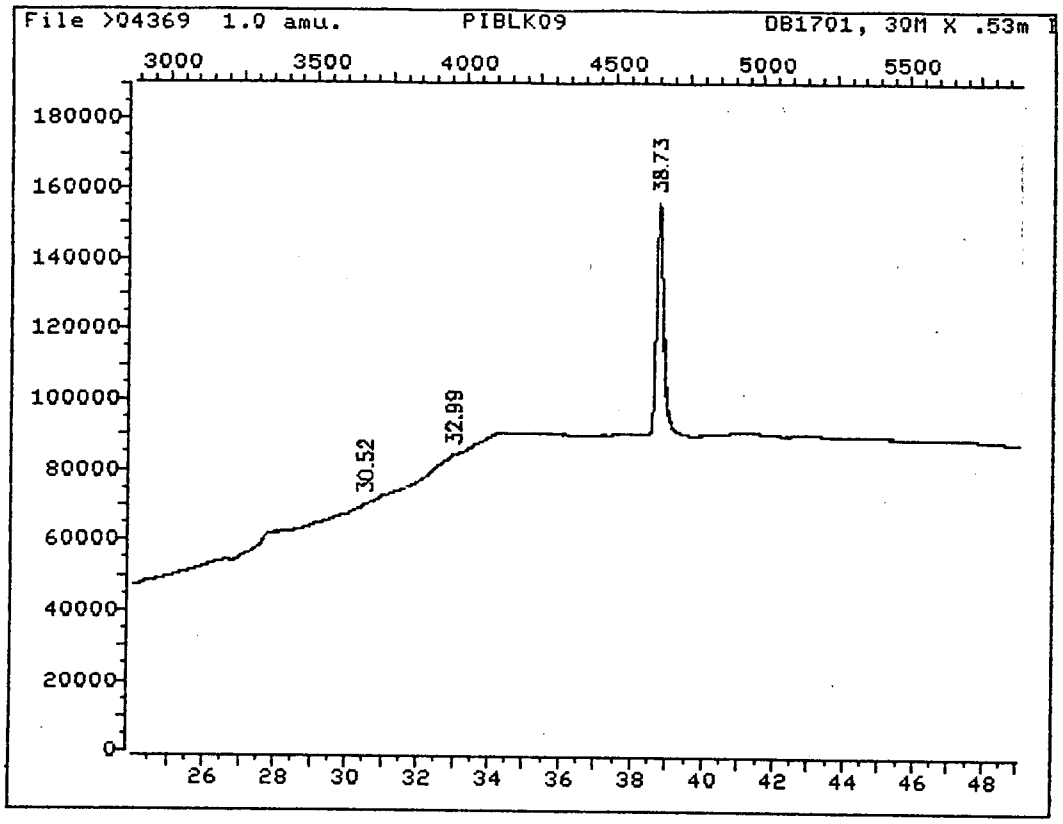
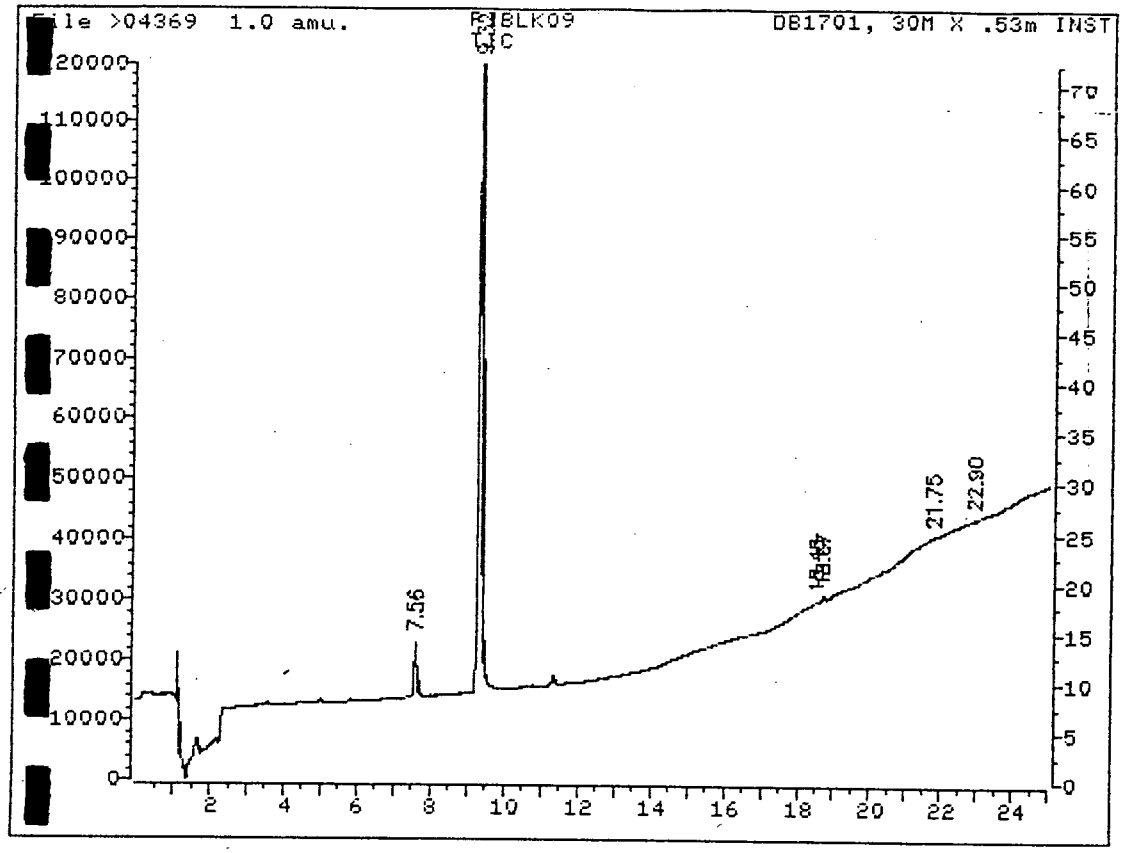


Data File: >04369::G1 Quant Output File: ^04369::GQ
Name: PIBLK09 Instrument ID: GC04
Misc: DB1701, 30M X .53m INST 58903, 1ul INJ

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

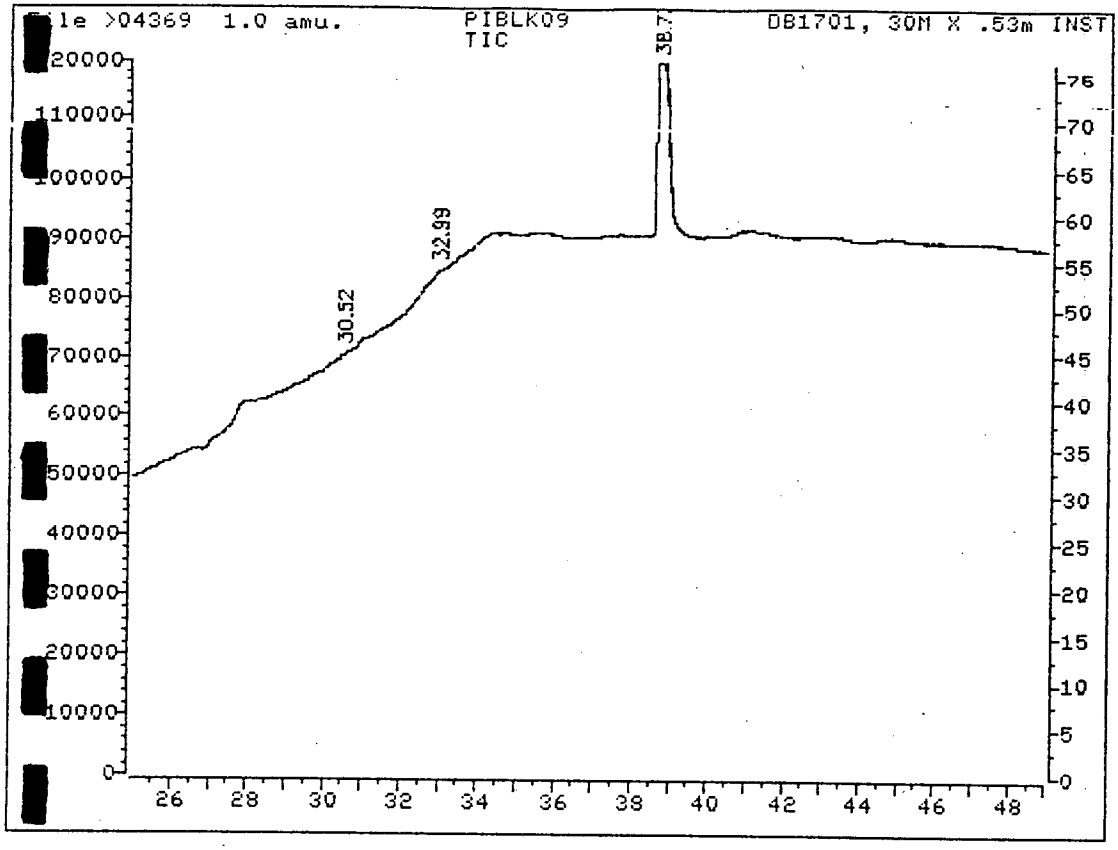
Page 2 of 2



MS data file header from : >04369::G1

Sample: PIBLK09 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: PIBLK09 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.

PIBLK10A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK10A

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

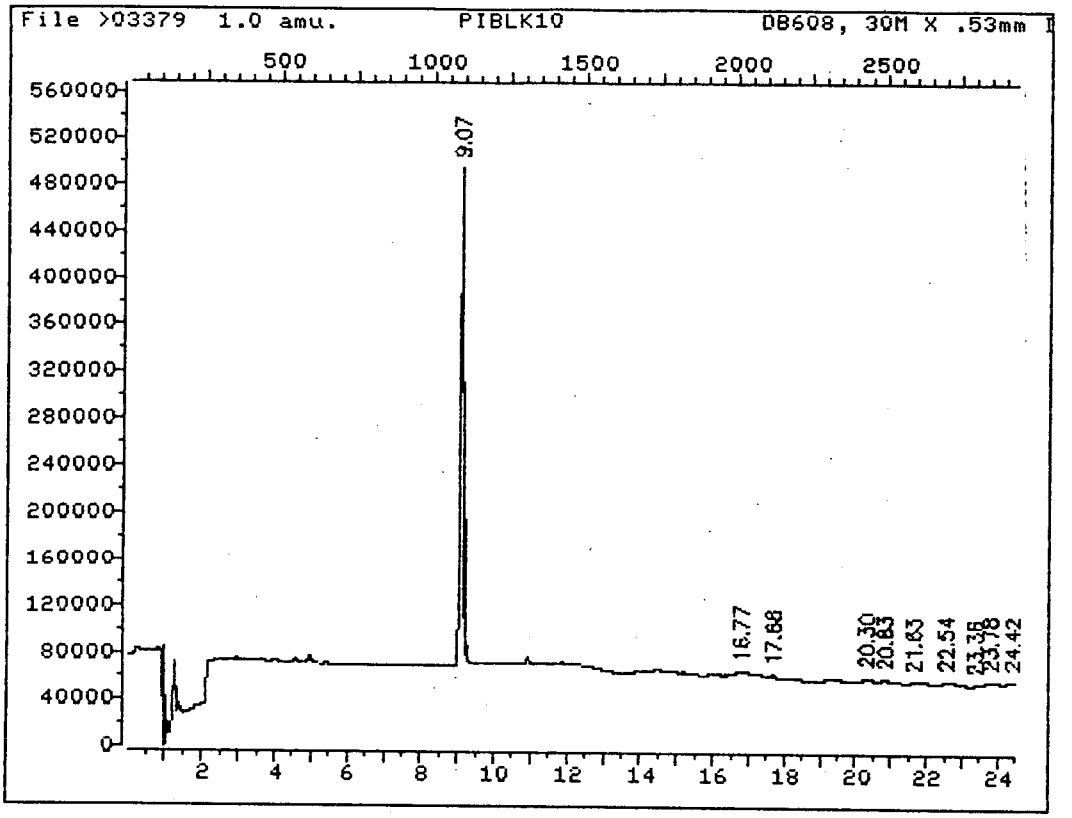
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 19:37
Output File: ^03379::GQ Injected at: 960716 18:47
Data File: >03379::F3 Dilution Factor: 1.00000
Name: PIBLK10A Instrument ID: GC03
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1088	2414308	20.18	ng/ml	100
9)	#~~Endosulfan I~~ <½ Crac	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~~ <Crac½	28.34	3401	32166	.366	ng/ml	100
17)	#~~Methoxychlor~~ <Crac½	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

Efm
7/22/96



Data File: >03379::F3 Quant Output File: ^03379::GQ
Name: PIBLK10 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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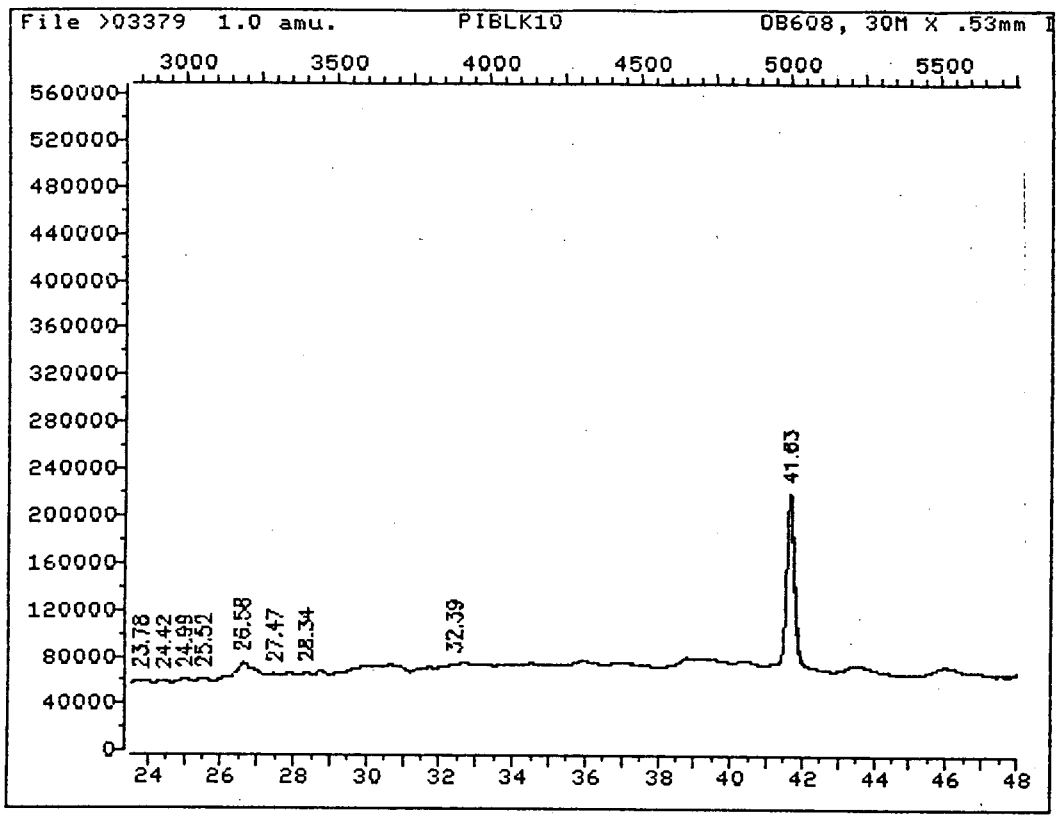

Data File: >03379::F3 Quant Output File: ^03379::GQ
Name: PIBLK10 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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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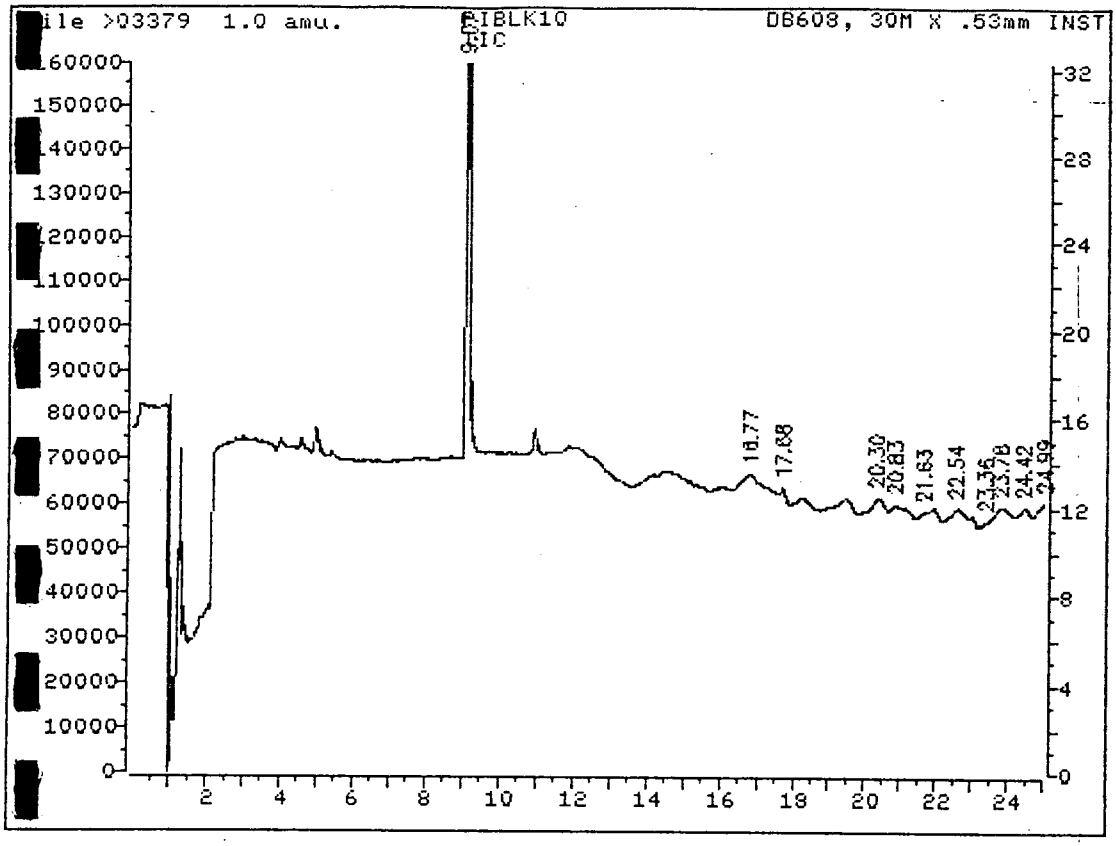
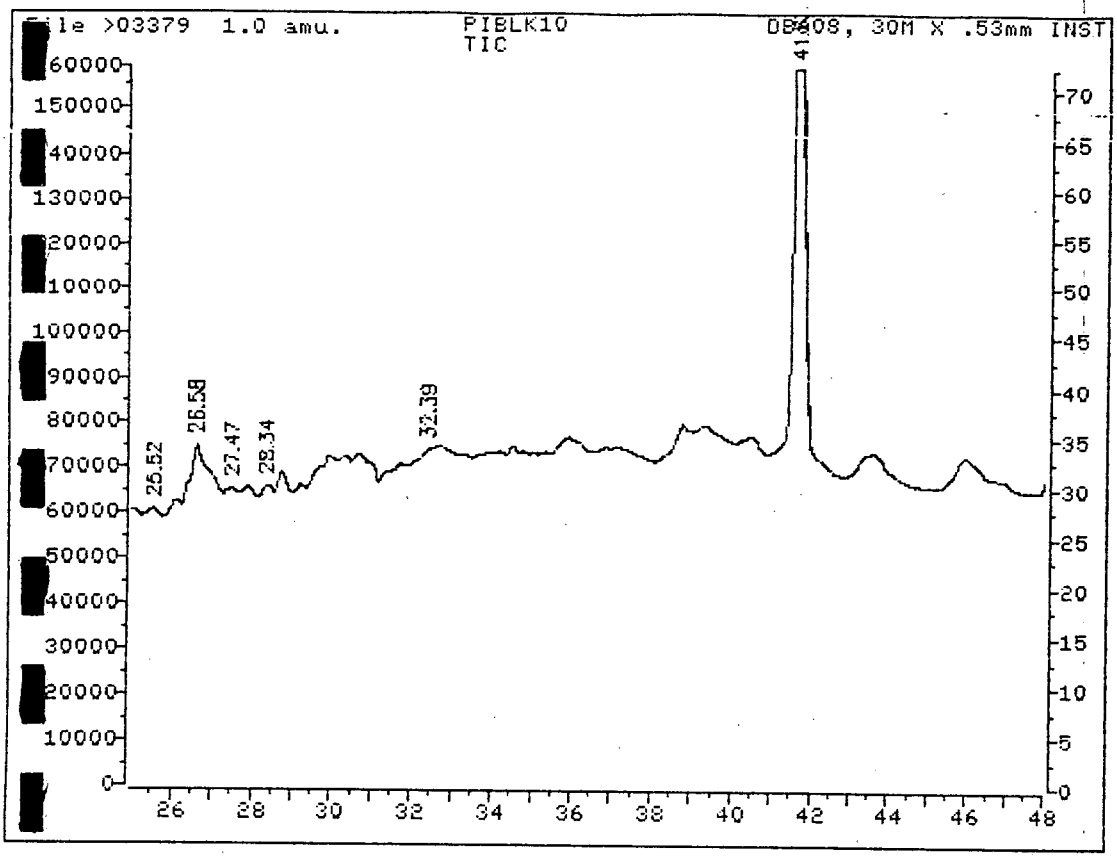


MS data file header from : >03379::F3

Sample: PIBLK10 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

Sample: PIBLK10 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

QUANT REPORT

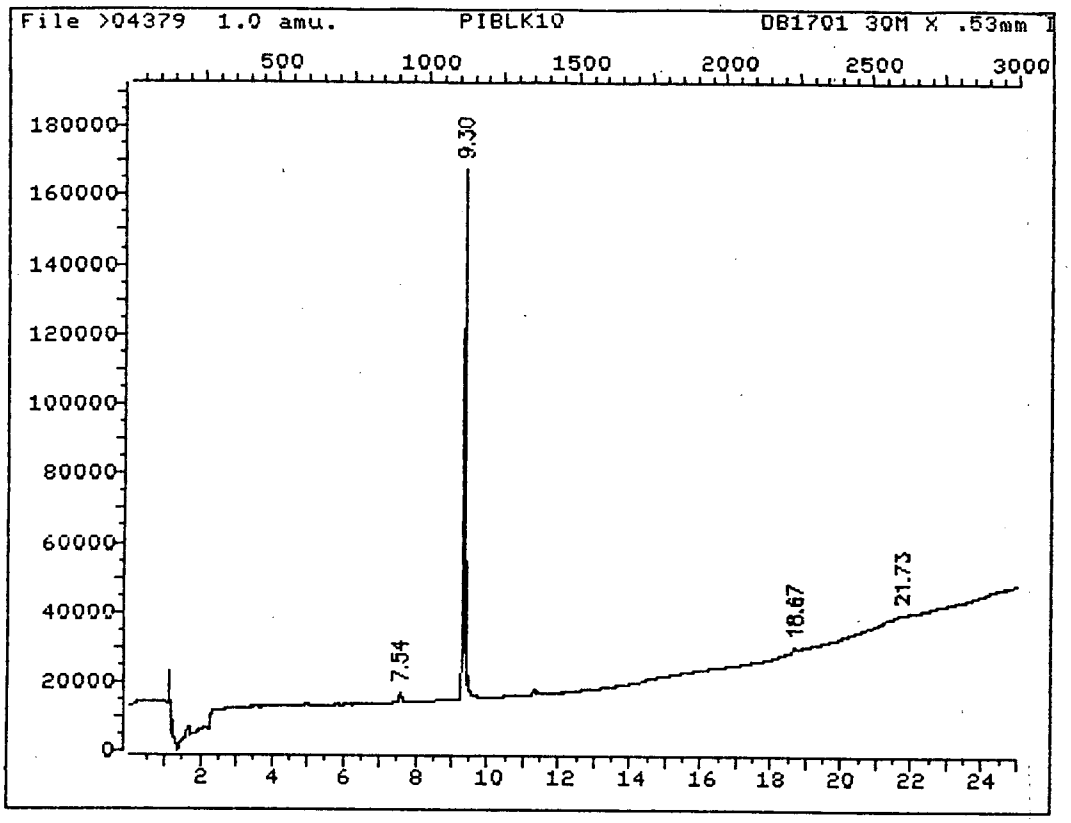
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960716 19:38
Output File: ^04379::GQ Injected at: 960716 18:47
Data File: >04379::G1 Dilution Factor: 1.00000
Name: PIBLK10A Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

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)	#~~Aroclor-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)	#~~Aroclor 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: PIBLK10 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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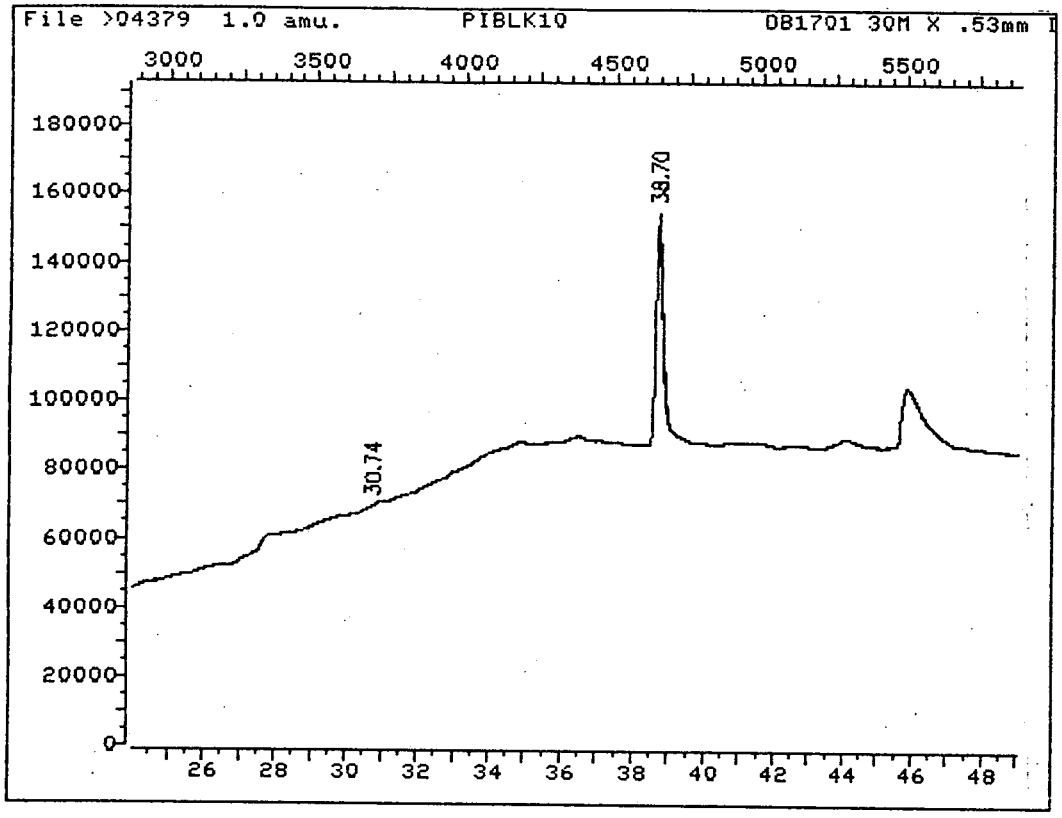

Data File: >04379::G1 Quant Output File: ^04379::GQ
Name: PIBLK10 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

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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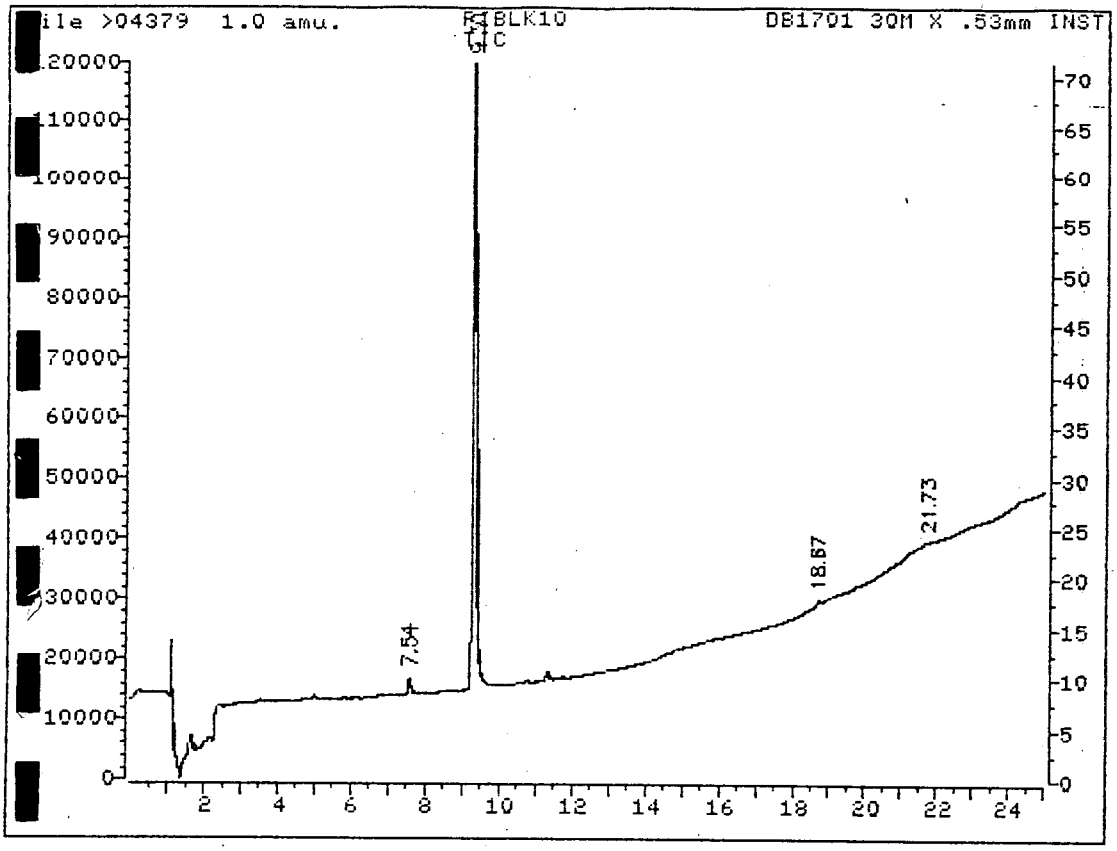

MS data file header from : >04379::G1

ample: PIBLK10 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