211055

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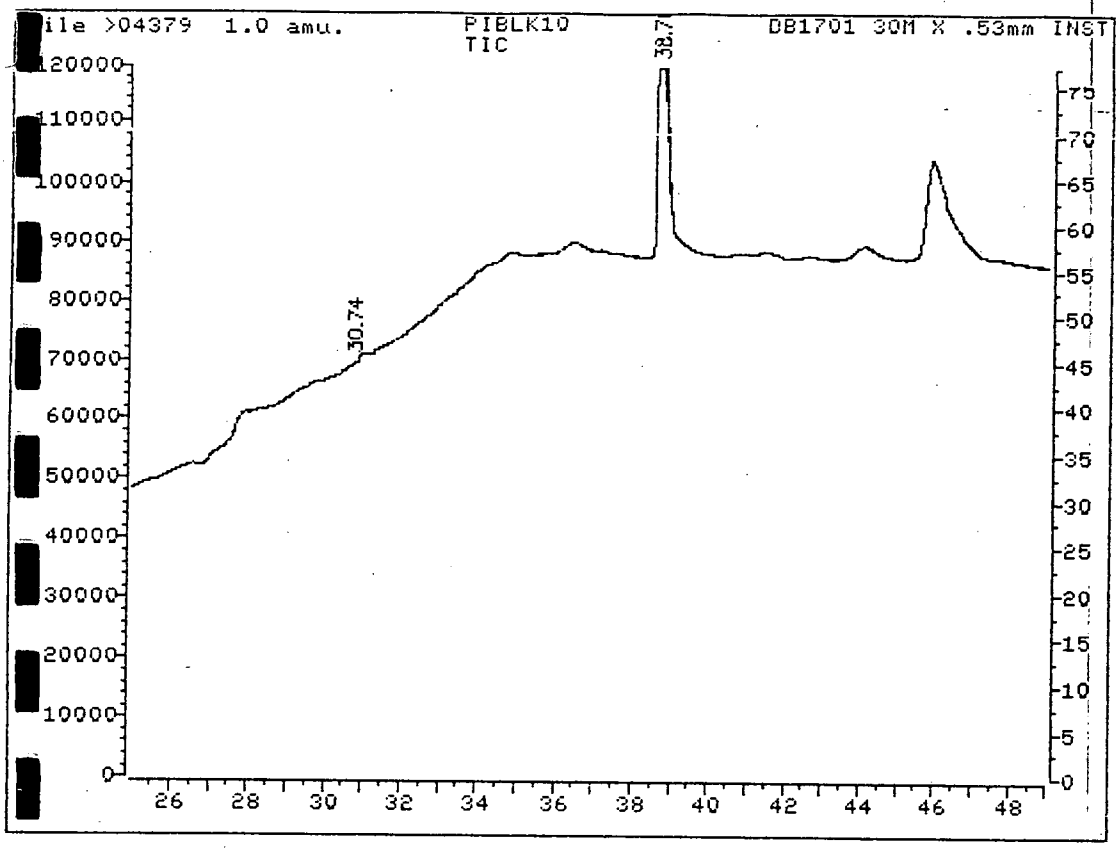
ICM LABORATORIES
1152 ROUTE 10
RANDOLPH, NJ 07869
201-584-0330
FAX 201-584-0515

ANALYTICAL DATA REPORT PACKAGE

July 29, 1996

ROY F. WESTON, INC.

RFP-1416



MS data file header from : >04379::G1

Sample: 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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK11A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK11A

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

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

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

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

QUANT REPORT

Operator ID: TRFI2
Output File: ^03380::GQ
Data File: >03380::F3
Name: PIBLK11A
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

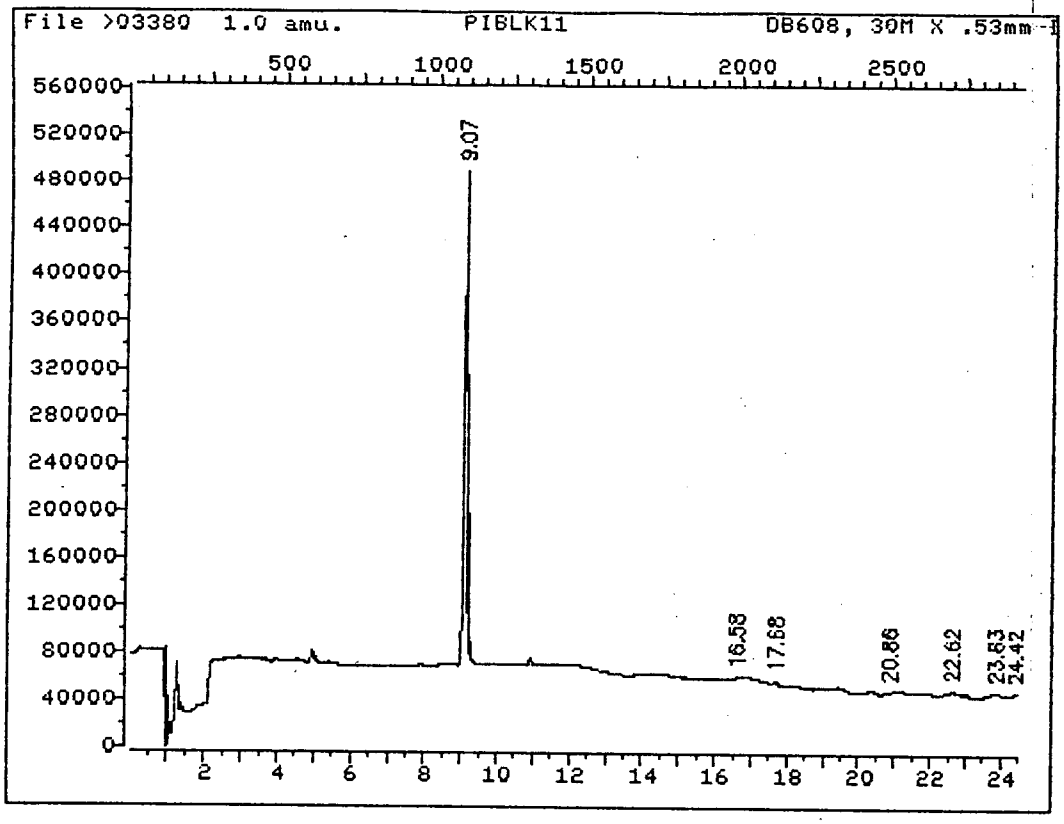
Quant Rev: 7
Quant Time: 960716 20:32
Injected at: 960716 19:42
Dilution Factor: 1.00000
Instrument ID: GC03

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

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

Compound uses ESTD

EPW
7/22/96

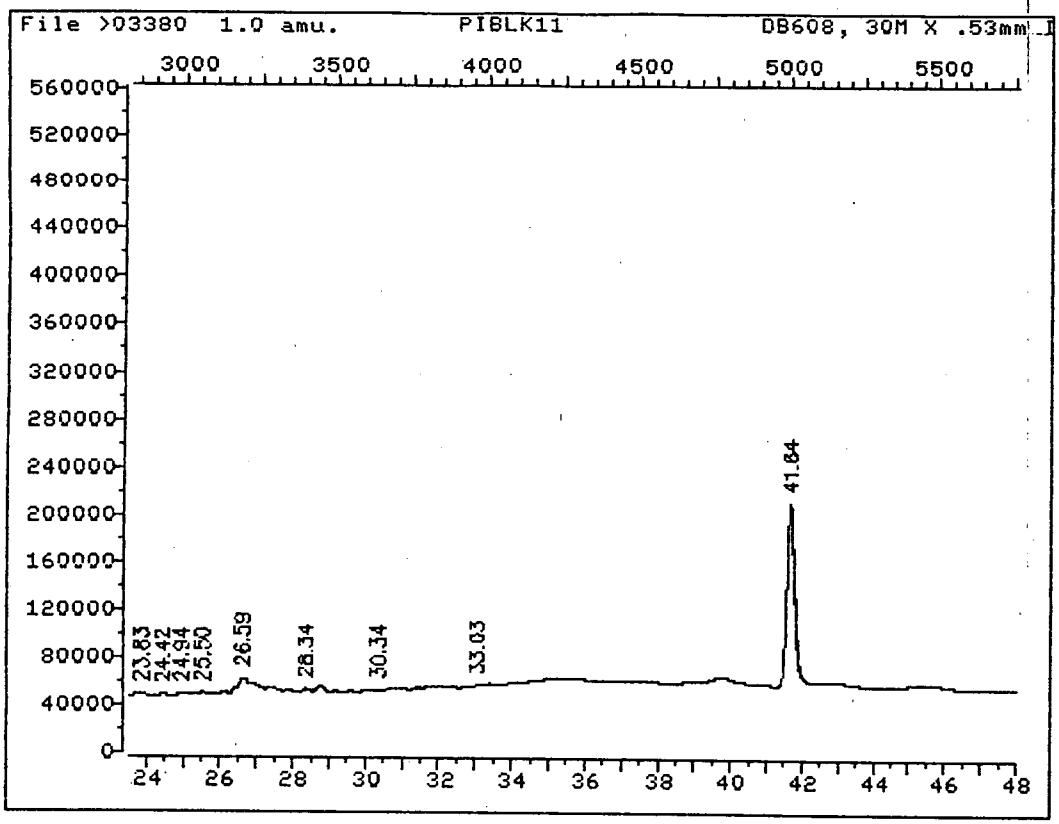


Data File: >03380::F3 Quant Output File: ^03380::GQ
Name: PIBLK11 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2

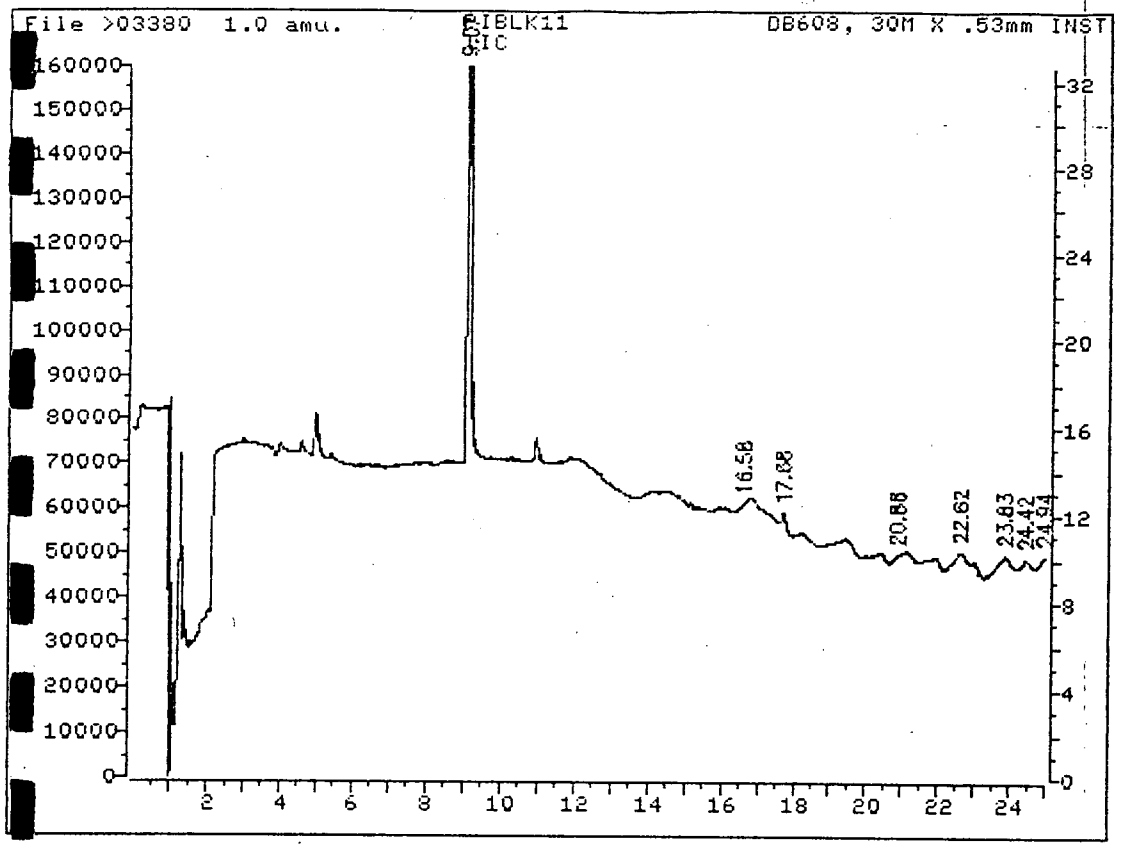


Data File: >03380::F3 Quant Output File: ^03380::GQ
Name: PIBLK11 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

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

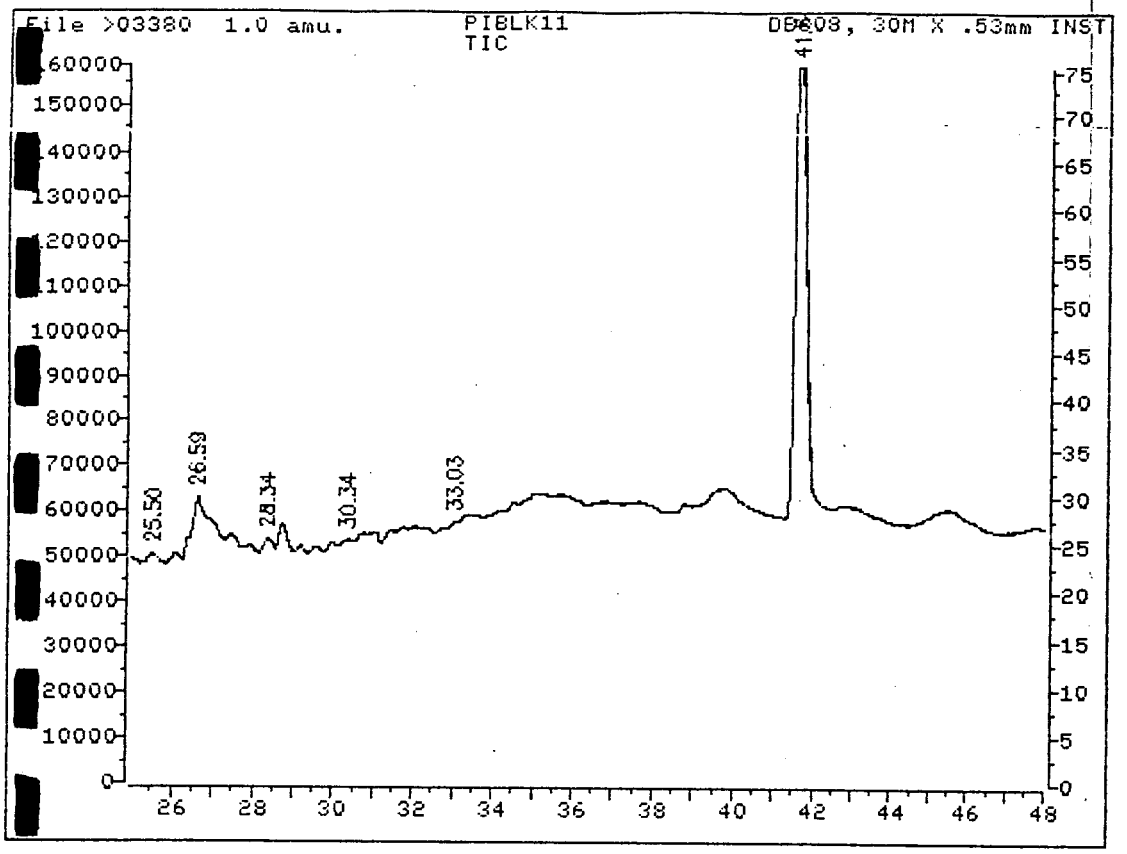
Page 2 of 2



MS data file header from : >03380::F3

Sample: PIBLK11 Operator: TRFI2 7/16/96 19:42
Disc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >03380::F3

Sample: PIBLK11 Operator: TRFI2 7/16/96 19:42
Disc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFI2
Output File: ^04380::GQ
Data File: >04380::G1
Name: PIBLK11A
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

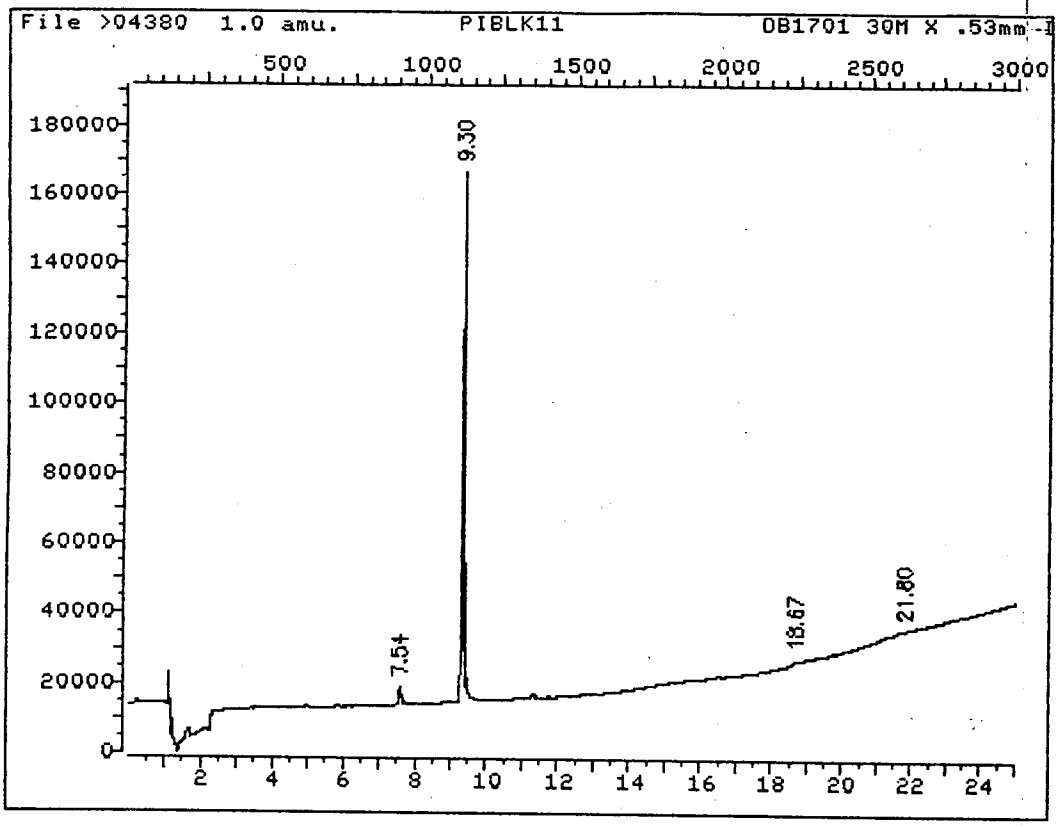
Quant Rev: 7
Quant Time: 960716 20:34
Injected at: 960716 19:42
Dilution Factor: 1.00000
Instrument ID: GC04

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

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

Compound uses ESTD

EPrice
7/22/96

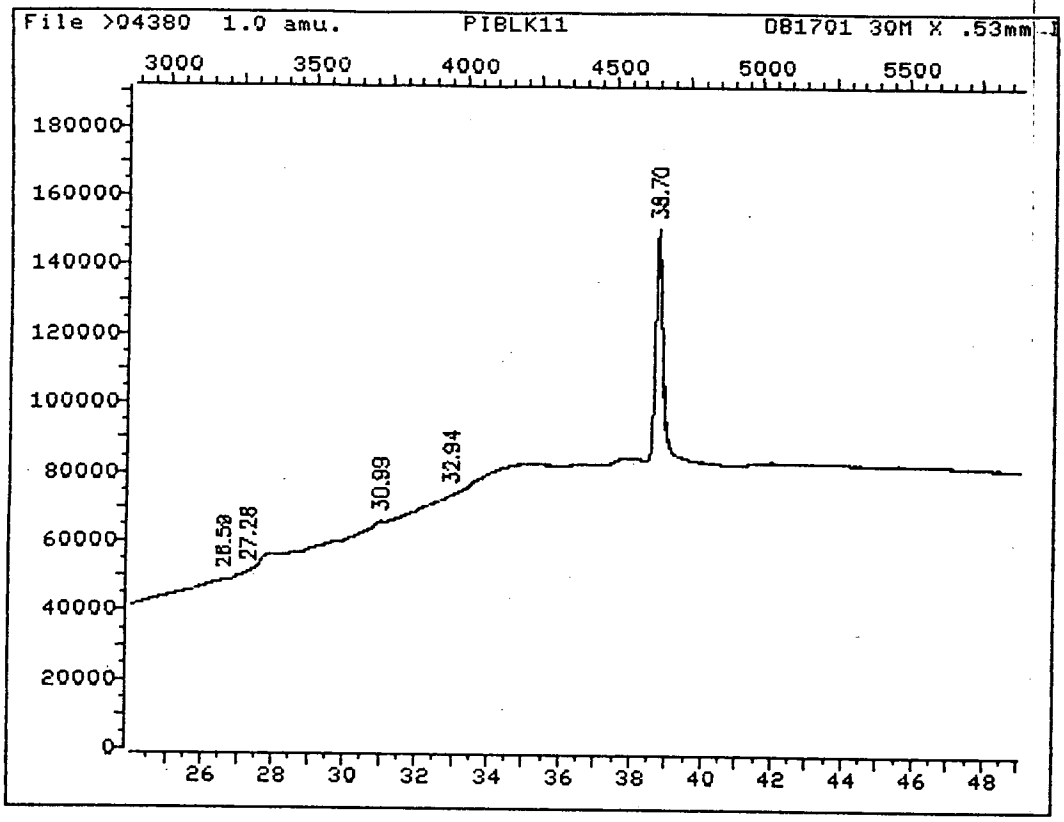


Data File: >04380::G1 Quant Output File: ^04380::GQ
Name: PIBLK11 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2

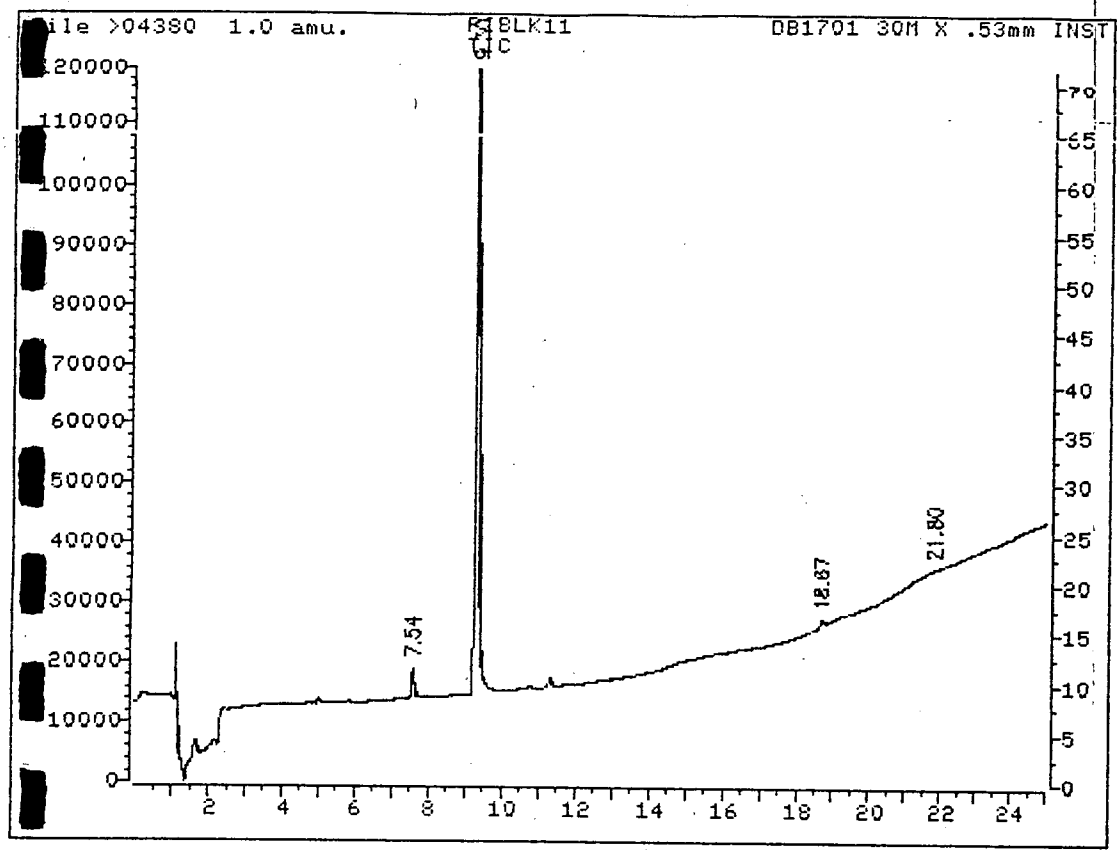


Data File: >04380::G1 Quant Output File: ^04380::GQ
Name: PIBLK11 Instrument ID: GC04
Misc: DB1701 30M X .53mm INST 58903, 1ul INJ

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

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

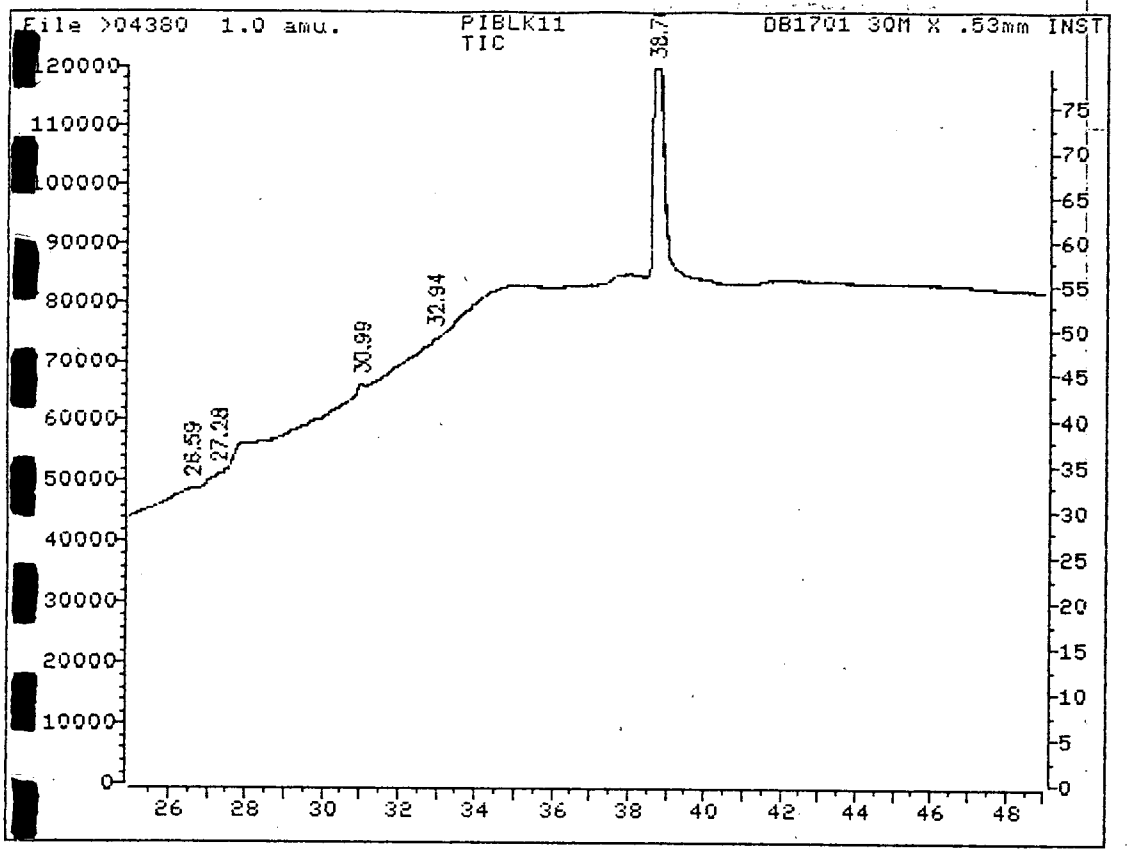
Page 2 of 2



MS data file header from : >04380::G1

ample: PIBLK11 Operator: TRFI2 7/16/96 19:42
isc : DB1701 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >04380::G1

Sample: PIBLK11 Operator: TRFI2 7/16/96 19:42
Misc : DB1701 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK12A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK12A

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

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

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

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

QUANT REPORT

Operator ID: TRFI2
Output File: ^03394::GQ
Data File: >03394::G2
Name: PIBLK12A
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

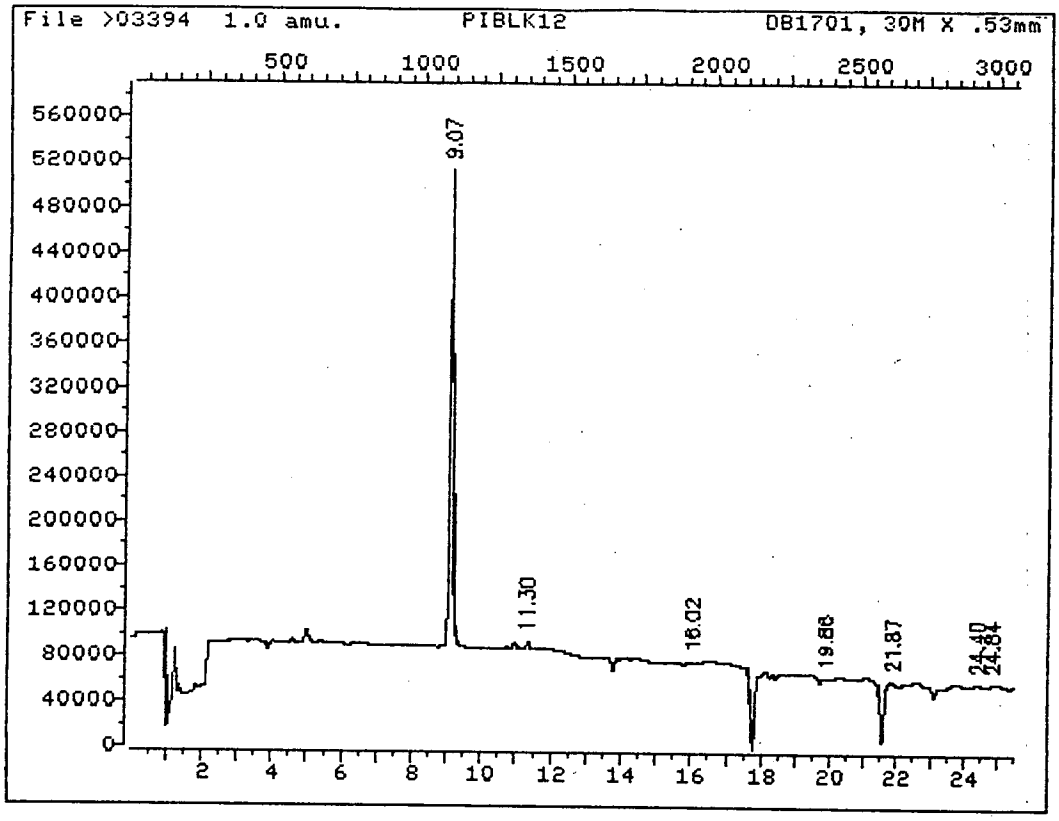
Quant Rev: 7
Quant Time: 960719 13:33
Injected at: 960717 07:39
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2436511	20.37	ng/ml	100
6)	#~~Heptachlor~~ NC	16.02	1923	25400	.242	ng/ml	100
8)	#~~Heptachlor epoxide~~ NC	19.86	2383	35362	.283	ng/ml	100
12)	#~~Endrin~~ NC	24.84	2981	12811	.147	ng/ml	100
14)	#~~4,4'-DDD~~ <CRQL½	25.51	3061	25457	.412	ng/ml	100
15)	#~~Endosulfan Sulfate~~ <½CRQL	28.26	3391	61633	.701	ng/ml	100
16)	#~~4,4'-DDT~~ NC	27.12	3254	80206	1.18	ng/ml	100
19)	#Decachlorobiphenyl	41.64	4997	2462062	21.29	ng/ml	100
27)	#~~Aroclor-1248~~(1) NP	16.02	1923	25400	3.37	ng/ml	100
29)	#~~Aroclor-1260~~(1) NP	24.40	2928	25913	4.05	ng/ml	100
32)	#~~Toxaphene~~(3) NP	28.26	3391	61633	29.06	ng/ml	100
35)	#~~Aroclor-1016~~(3) NP	16.02	1923	25400	2.27	ng/ml	100
38)	#~~Aroclor-1221~~(2) NP	11.30	1356	46091	28.36	ng/ml	100
41)	#~~Aroclor-1232~~(3) NP	16.02	1923	25400	5.44	ng/ml	100
44)	#~~Aroclor-1242~~(3) NP	16.02	1923	25400	2.86	ng/ml	100
50)	#~~Aroclor-1248~~(5) NP	21.87	2624	1260413	287.80	ng/ml	100
54)	#~~Aroclor-1254~~(5) NP	24.84	2981	12811	3.51	ng/ml	100
55)	#~~Aroclor-1260~~(2) NP	24.84	2981	12811	1.80	ng/ml	100
58)	#~~Aroclor-1260~~(5) NP	33.01	3961	6646	1.35	ng/ml	100

Compound uses ESTD

EPru
7/22/96

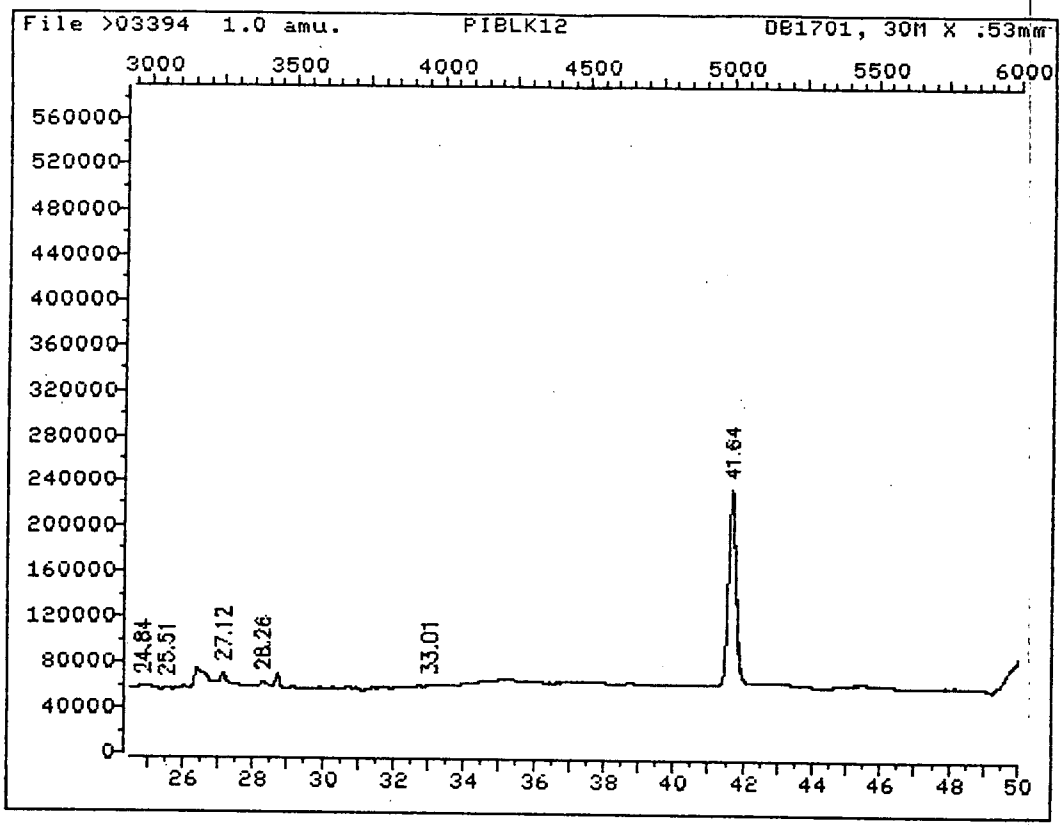


Data File: >03394::G2 Quant Output File: ^03394::GQ
Name: PIBLK12 Instrument ID: GC03
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2

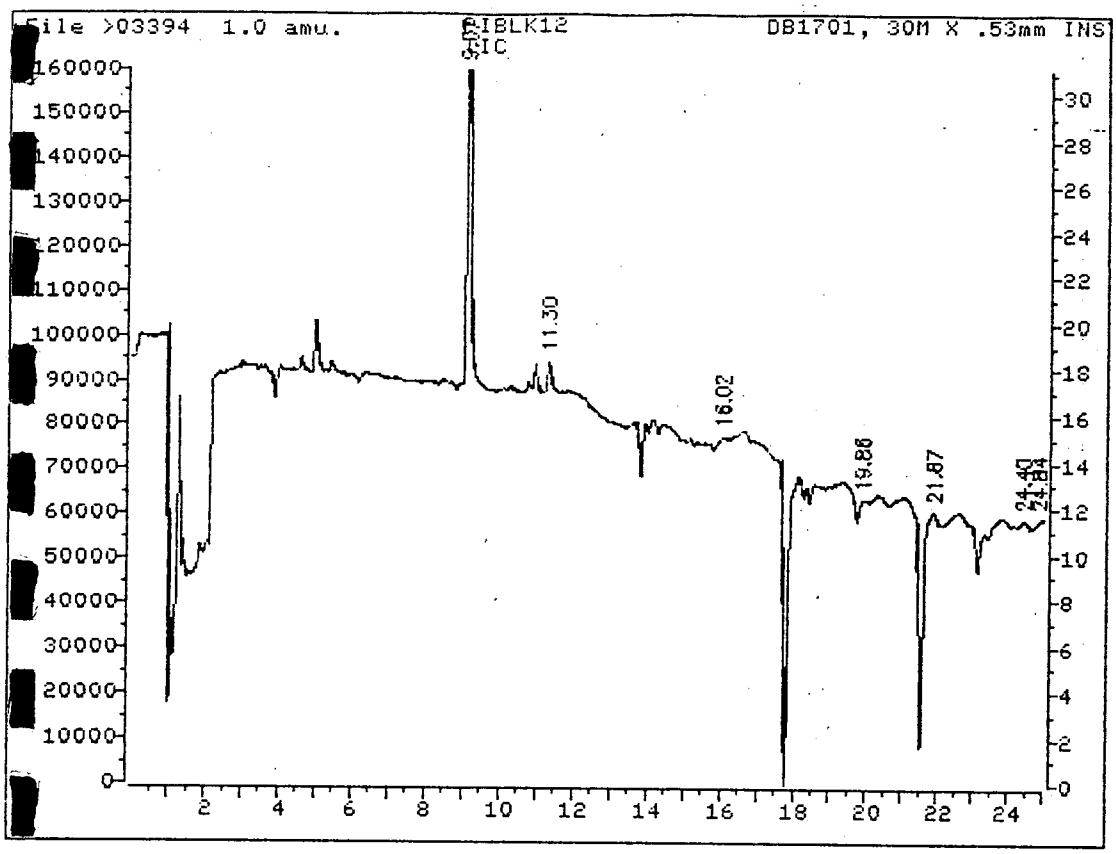


Data File: >03394::G2 Quant Output File: ^03394::GQ
Name: PIBLK12 Instrument ID: GC03
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

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

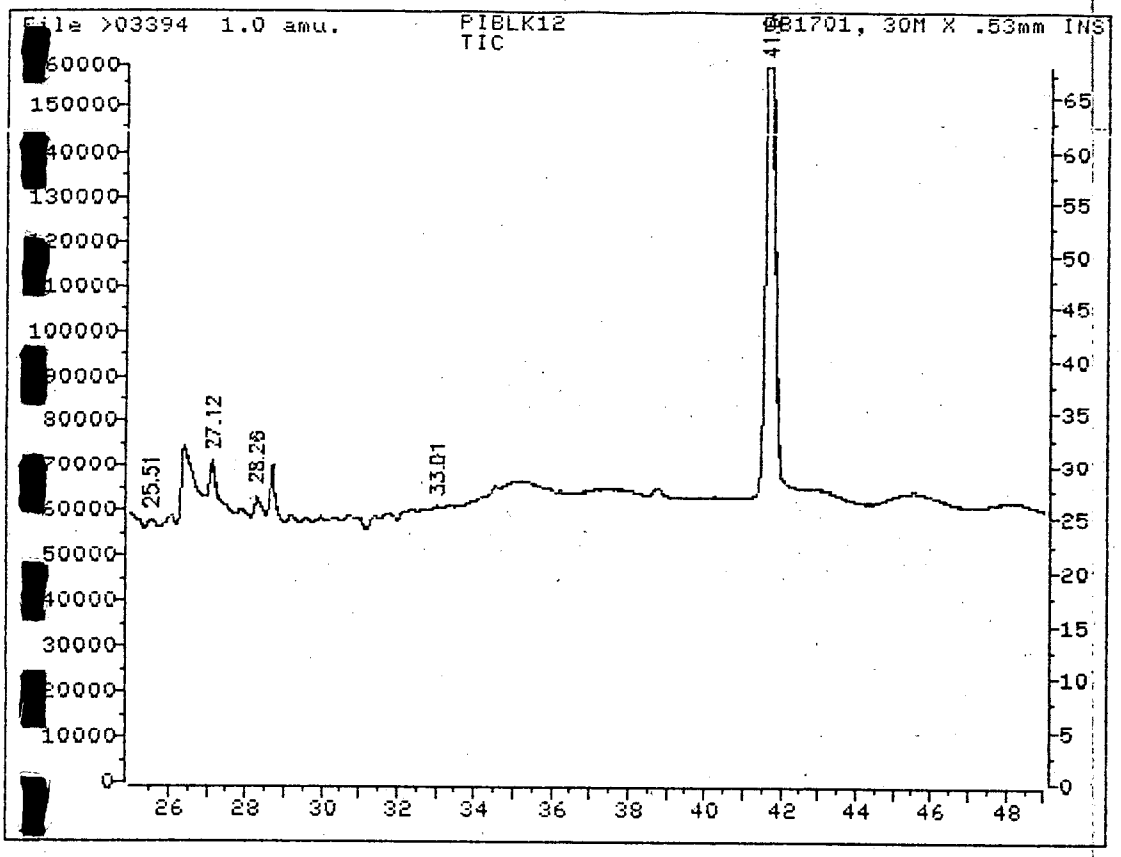
Page 2 of 2



MS data file header from : >03394::G2

Sample: PIBLK12 Operator: TRFI2 7/17/96 7:39
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >03394::G2

Sample: PIBLK12 Operator: TRFI2 7/17/96 7:39
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFI2
Output File: ^04394::GQ
Data File: >04394::G4
Name: PIBLK12A
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

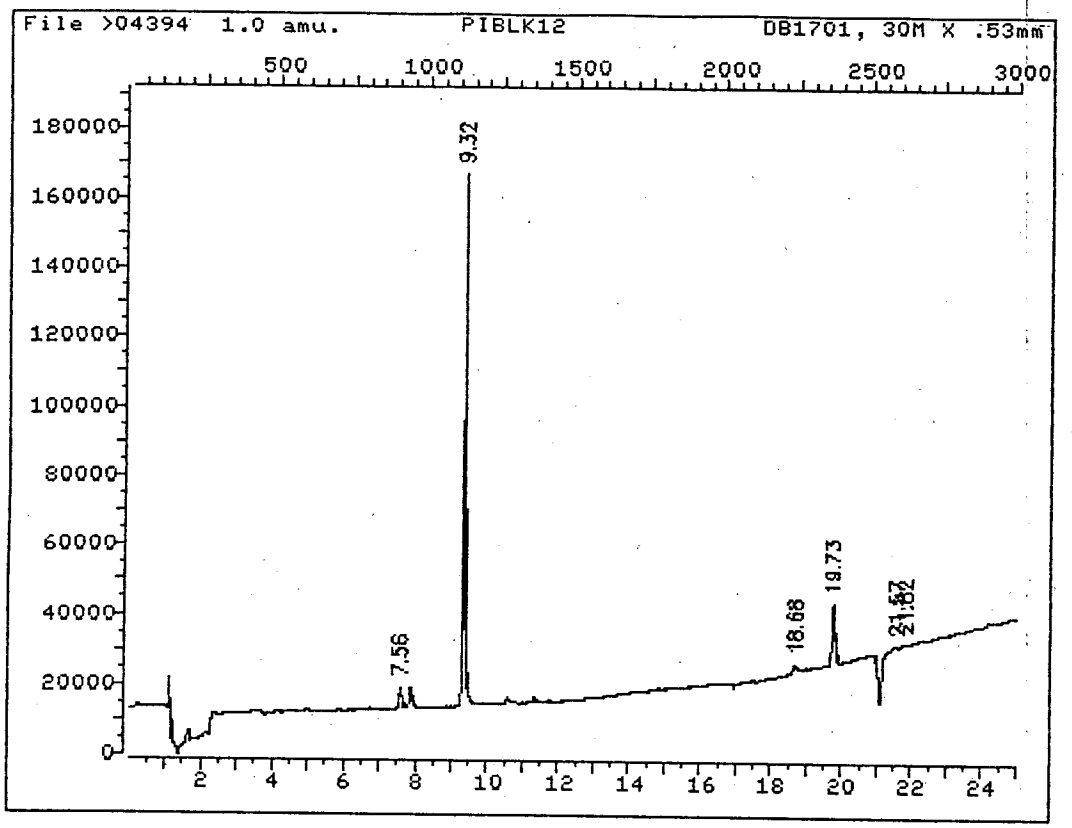
Quant Rev: 7
Quant Time: 960717 08:35
Injected at: 960717 07:39
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.32	1118	843865	20.63	ng/ml	100
3)	~~#beta-BHC~~ NC	18.[illegible]8	2241	18300	.729	ng/ml	100
4)	~~#delta-BHC~~ NC	19.73	2367	989[illegible]1	3.77	ng/ml	100
9)	~~#Endosulfan I~~ NC	21.57	2588	472901	13.55	ng/ml	100
14)	~~#4,4'-DDD~~ NC	26.54	3184	35159	1.83	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	30.52	3662	53303	1.94	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.88	3705	34886	2.61	ng/ml	100
18)	~~#Endrin ketone~~ NC	32.91	3949	83167	2.62	ng/ml	100
19)	#Decachlorobiphenyl	38.68	4642	980620	21.38	ng/ml	100
21)	~~#gamma Chlordane~~ NC	21.82	2618	7325	.183	ng/ml	100
24)	~~#Aroclor 1221~~(1) NP	7.56	907	31559	41.29	ng/ml	100
25)	~~#Aroclor-1232~~(1) NP	7.56	907	31559	28.59	ng/ml	100
32)	#Toxaphene(3) NP	30.52	3662	73228	135.76	ng/ml	100
37)	~~#Aroclor-1016~~(5) NP	18.68	2241	18300	9.37	ng/ml	100
48)	~~#Aroclor-1248~~(3) NP	18.68	2241	18300	7.56	ng/ml	100

Compound uses ESTD

E Pruc
7/22/96

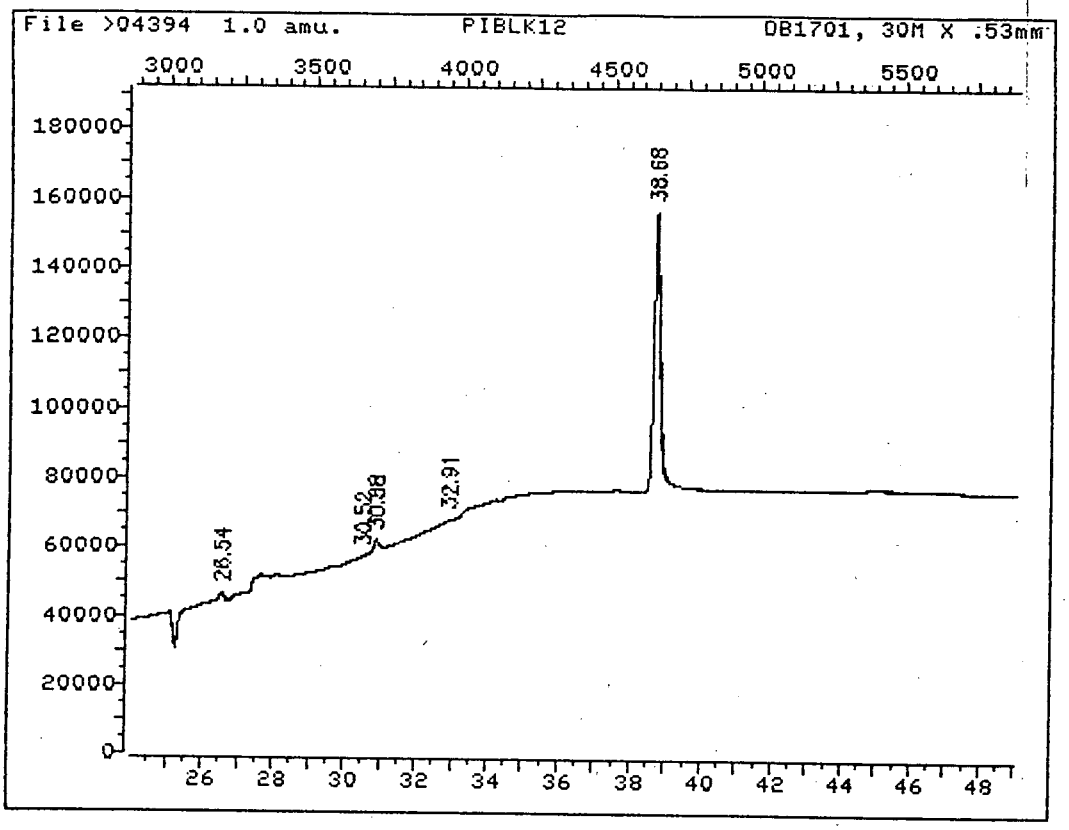


Data File: >04394::G4 Quant Output File: ^04394::GQ
Name: PIBLK12 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960717 08:35
Injected at: 960717 07:39

Page 1 of 2

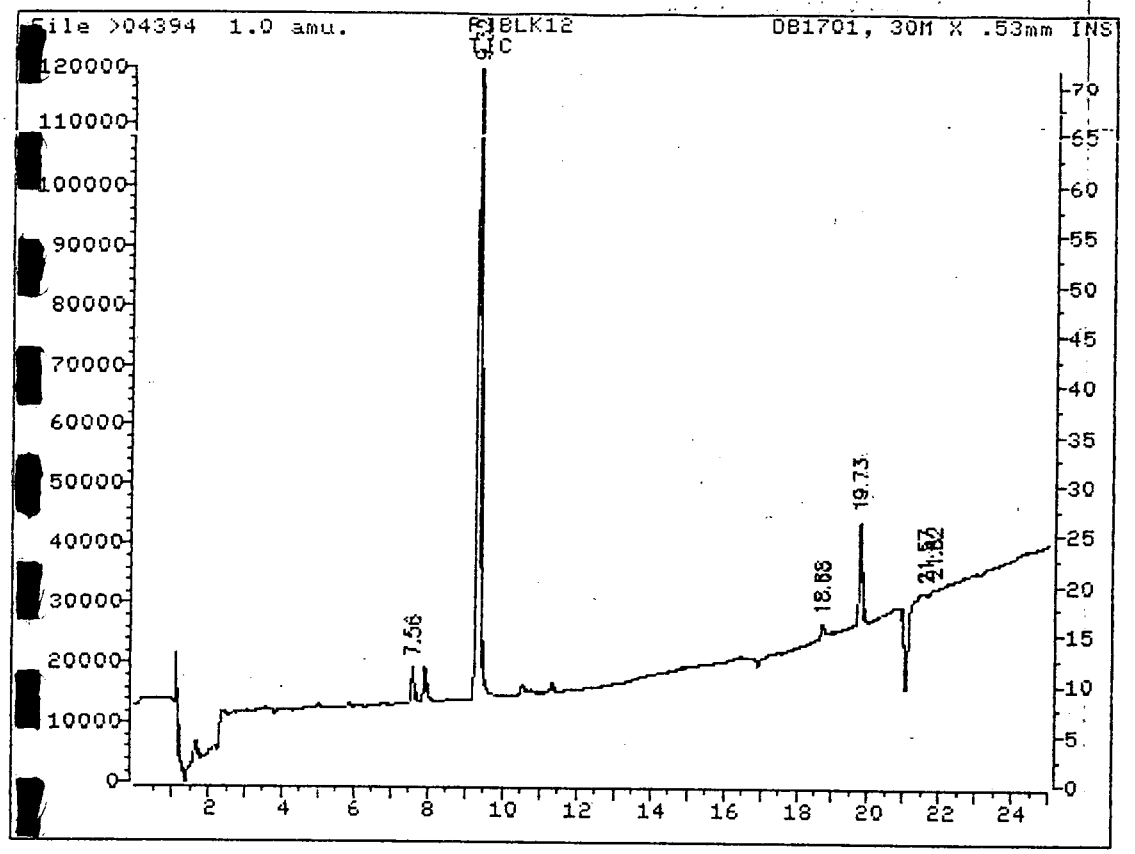


Data File: >04394::G4 Quant Output File: ^04394::GQ
Name: PIBLK12 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960717 08:35
Injected at: 960717 07:39

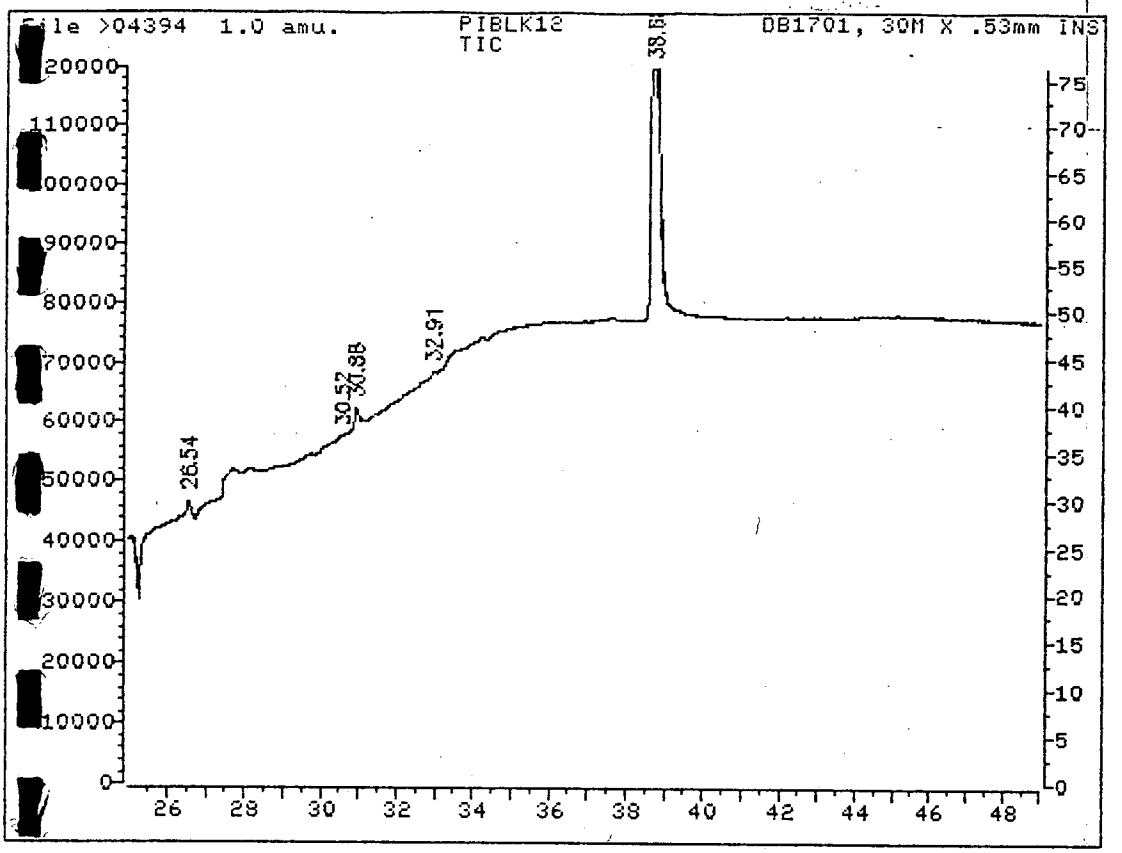
Page 2 of 2



MS data file header from : >04394::G4

Sample: PIBLK12 Operator: TRFI2 7/17/96 7:39
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >04394::G4

Sample: PIBLK12 Operator: TRFI2 7/17/96 7:39
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: 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.

PIBLK13A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK13A

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

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

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

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

QUANT REPORT

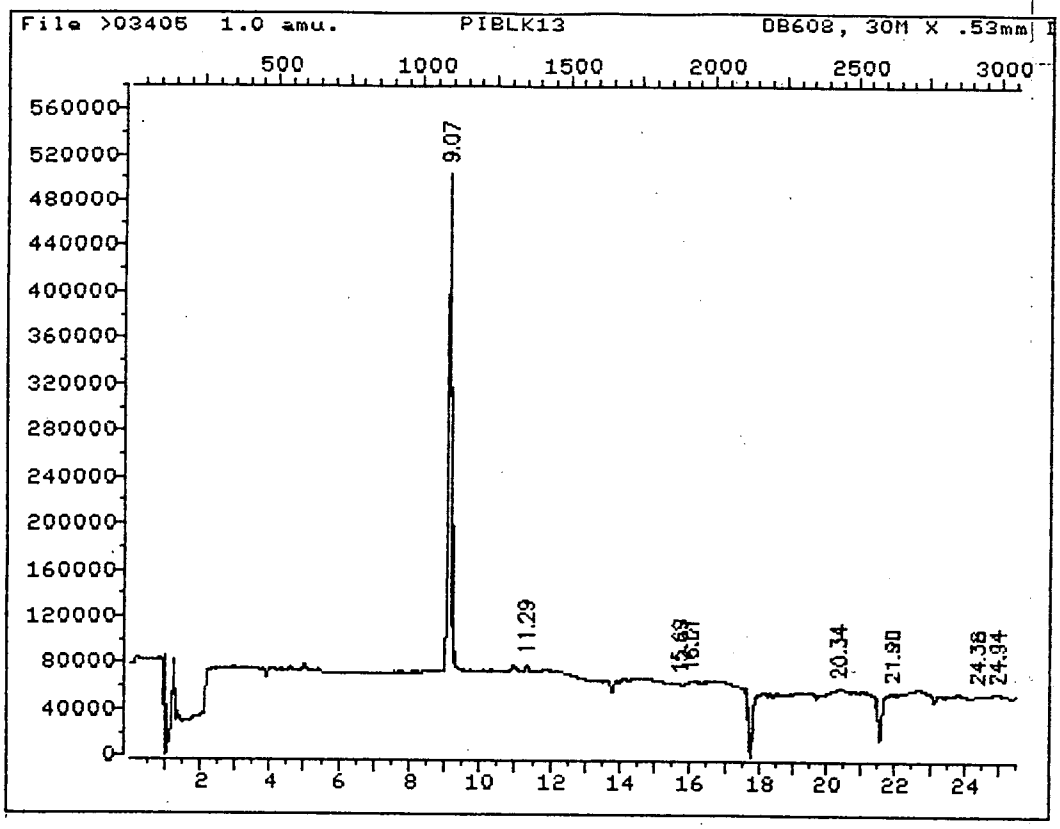
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 18:45
Output File: ^03405::GQ Injected at: 960717 17:52
Data File: >03405::G2 Dilution Factor: 1.00000
Name: PIBLK13A Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1088	2461145	20.57	ng/ml	100
6)	#~~Heptachlor~~ NC	15.69	1883	5435	.0517	ng/ml	100
12)	#~~Endrin~~ <½ CRQL	24.94	2993	20851	.239	ng/ml	100
14)	#~~4,4'-DDD~~ <½ CRQL	25.53	3063	29049	.470	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	28.24	3389	50408	.573	ng/ml	100
16)	#~~4,4'-DDT~~ NC	27.10	3252	66879	.985	ng/ml	100
18)	#~~Endrin ketone~~ NC	32.74	3929	14692	.158	ng/ml	100
19)	#Decachlorobiphenyl	41.61	4993	2429102	21.01	ng/ml	100
27)	#~~Aroclor-1248~~(1) NP	16.01	1921	31512	4.18	ng/ml	100
29)	#~~Aroclor-1260~~(1) NP	24.38	2925	11582	1.81	ng/ml	100
32)	#T~~oxaphene~~(3) NP	28.24	3389	50408	23.77	ng/ml	100
35)	#~~Aroclor-1016~~(3) NP	16.01	1921	31512	2.82	ng/ml	100
38)	#~~Aroclor-1221~~(2) NP	11.29	1355	32912	20.25	ng/ml	100
41)	#~~Aroclor-1232~~(3) NP	16.01	1921	31512	6.75	ng/ml	100
44)	#~~Aroclor-1242~~(3) NP	16.01	1921	31512	3.55	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.34	2441	62833	15.30	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.90	2628	922448	210.63	ng/ml	100
54)	#~~Aroclor-1254(5)~~ NP	24.94	2993	20851	5.71	ng/ml	100
55)	#~~Aroclor-1260(2)~~ NP	24.94	2993	20851	2.93	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.51	3181	389295	84.57	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.74	3929	14692	2.98	ng/ml	100

Compound uses ESTD

EPrice
7/22/96

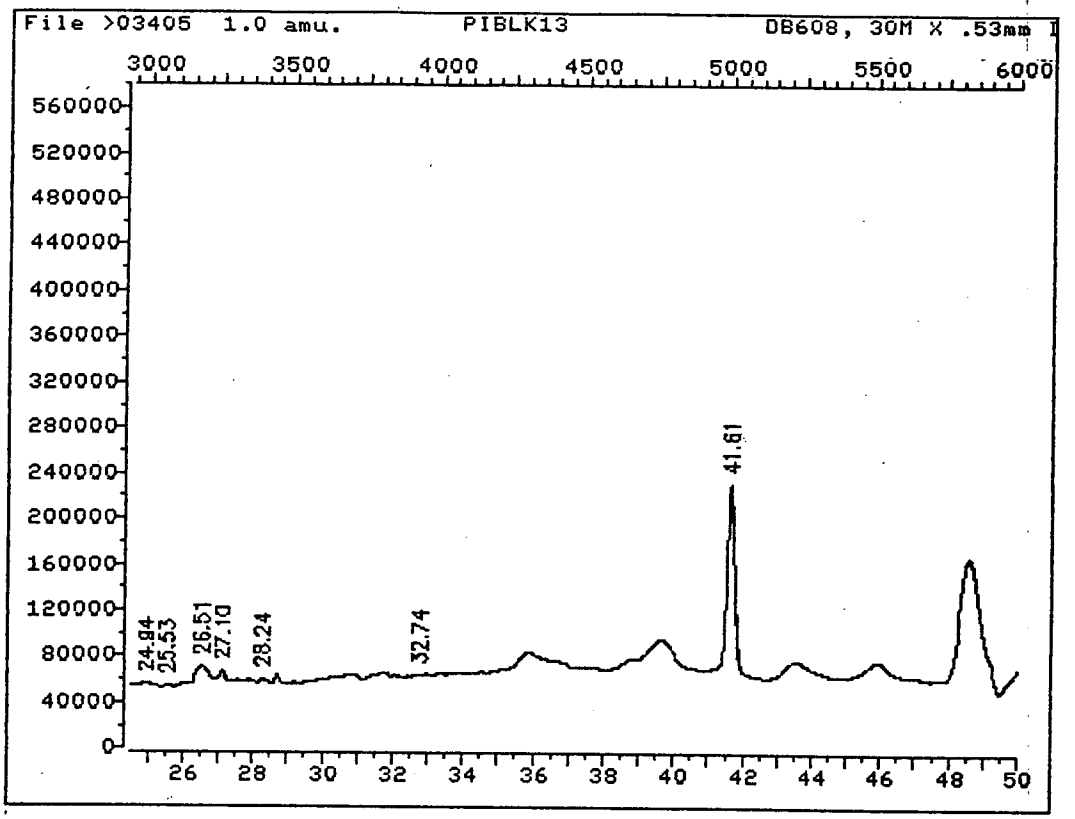


Data File: >03405::G2 Quant Output File: ^03405::GQ
Name: PIBLK13 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960717 18:45
Injected at: 960717 17:52

Page 1 of 2

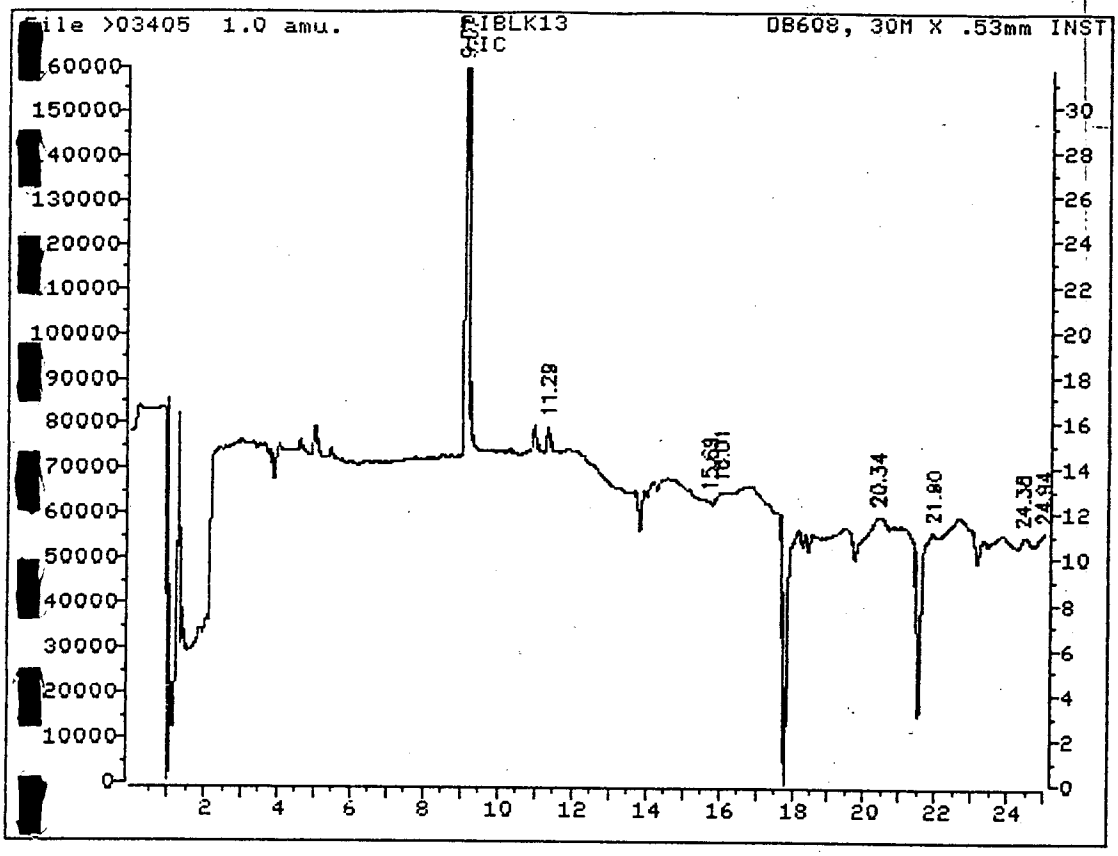


Data File: >03405::G2 Quant Output File: ^03405::GQ
Name: PIBLK13 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960717 18:45
Injected at: 960717 17:52

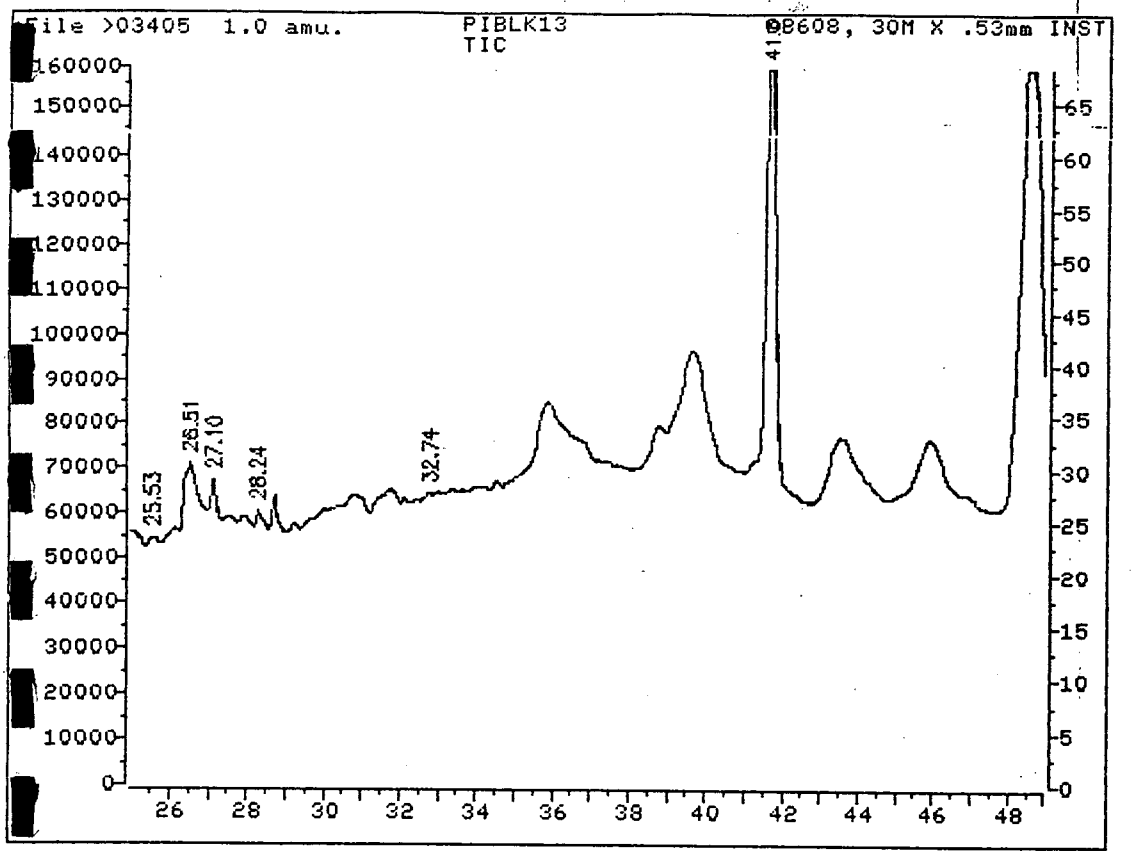
Page 2 of 2



MS data file header from : >03405::G2

Sample: FIBLK13 Operator: TRFI2 7/17/96 17:52
Disc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >03405::G2

Sample: PIBLK13 Operator: TRFI2 7/17/96 17:52
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

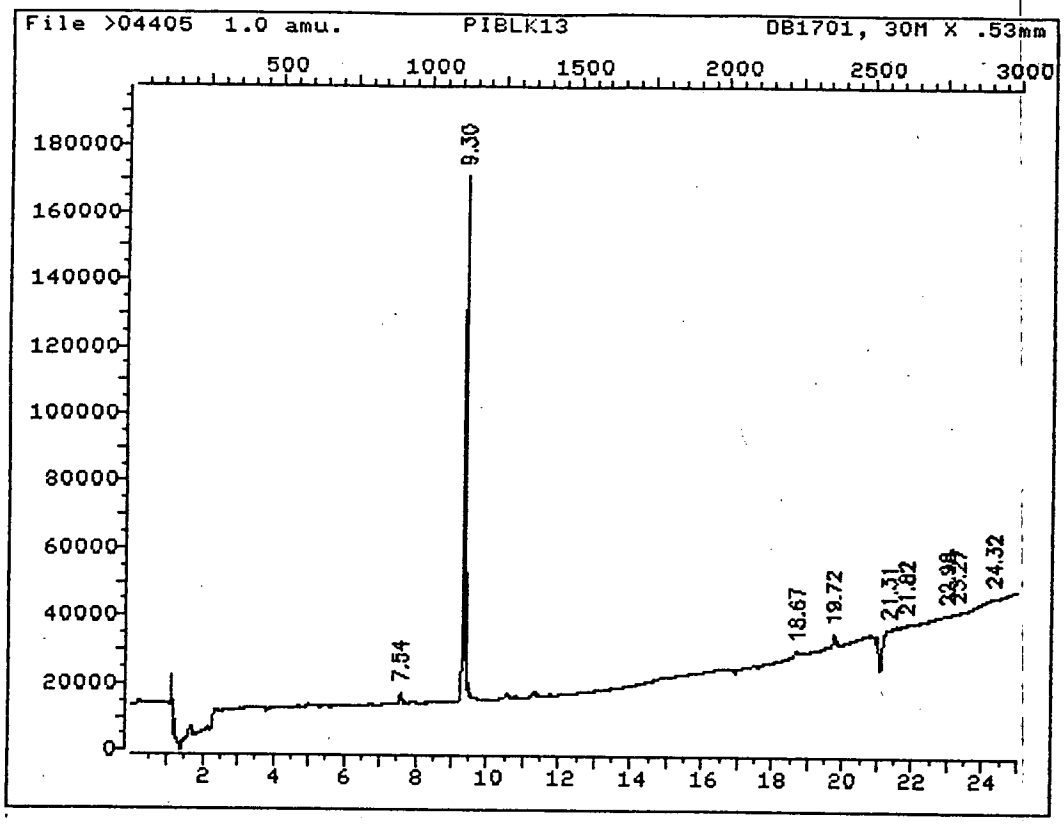
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960717 18:43
Output File: ^04405::GQ Injected at: 960717 17:52
Data File: >04405::G4 Dilution Factor: 1.00000
Name: PIBLK13A Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	837688	20.47	ng/ml	100
3)	~~#beta-BHC~~ NC	18.67	2240	10085	.402	ng/ml	100
4)	~~#delta-BHC~~ NC	19.72	2366	22513	.858	ng/ml	100
10)	~~#Dieldrin~~ NC	23.27	2792	6929	.216	ng/ml	100
12)	~~#Endrin~~ NC	24.32	2918	69718	2.40	ng/ml	100
13)	~~#Endosulfan II~~ NC	26.93	3231	9210	.269	ng/ml	100
14)	~~#4,4' DDD~~ NC	26.50	3180	72507	3.77	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.86	3703	23276	1.74	ng/ml	100
19)	#Decachlorobiphenyl	38.66	4639	1023952	22.33	ng/ml	100
21)	~~#gamma Chlordane~~ NC	21.82	2618	6829	.170	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.54	905	18418	24.09	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.54	905	18418	16.69	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.67	2240	8797	4.50	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.67	2240	8797	3.63	ng/ml	100
52)	#Aroclor-1254(3) NP	21.31	2557	150600	81.95	ng/ml	100
53)	~~#Aroclor-1254(4)~~ NP	22.98	2757	30466	11.73	ng/ml	100

Compound uses ESTD

EPrice
7/22/96

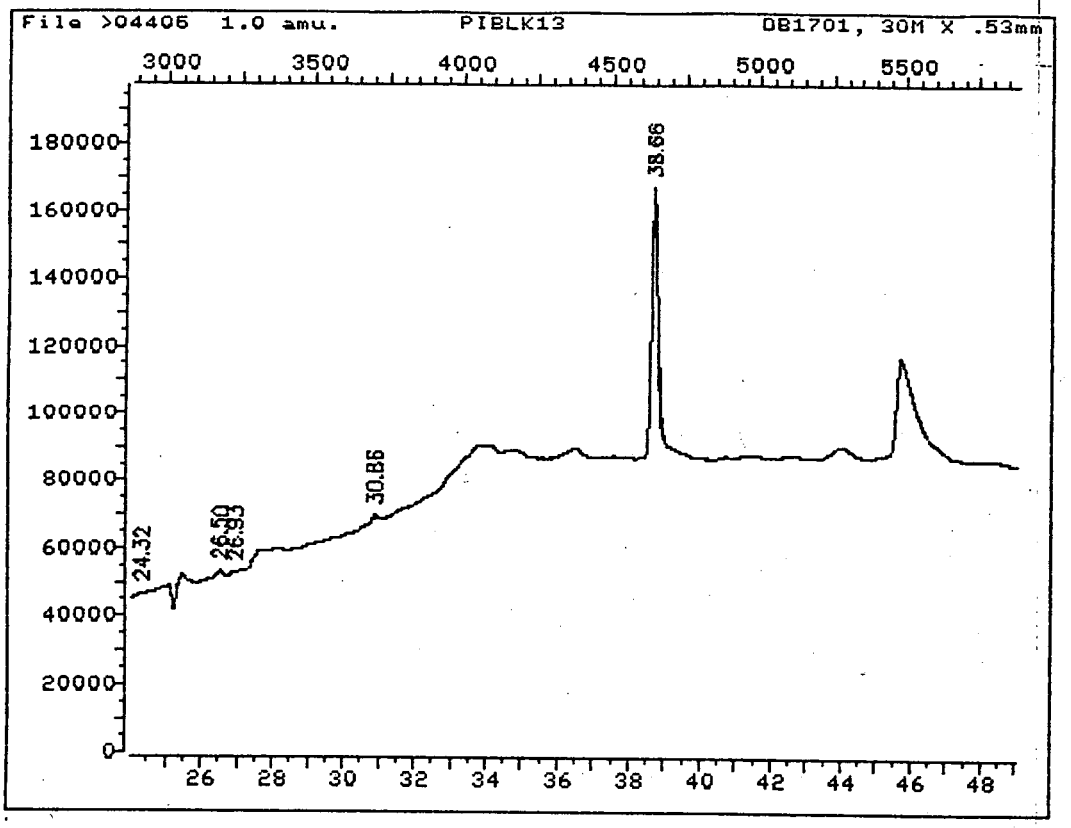


Data File: >04405::G4 Quant Output File: ^04405::GQ
Name: PIBLK13 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960717 18:43
Injected at: 960717 17:52

Page 1 of 2

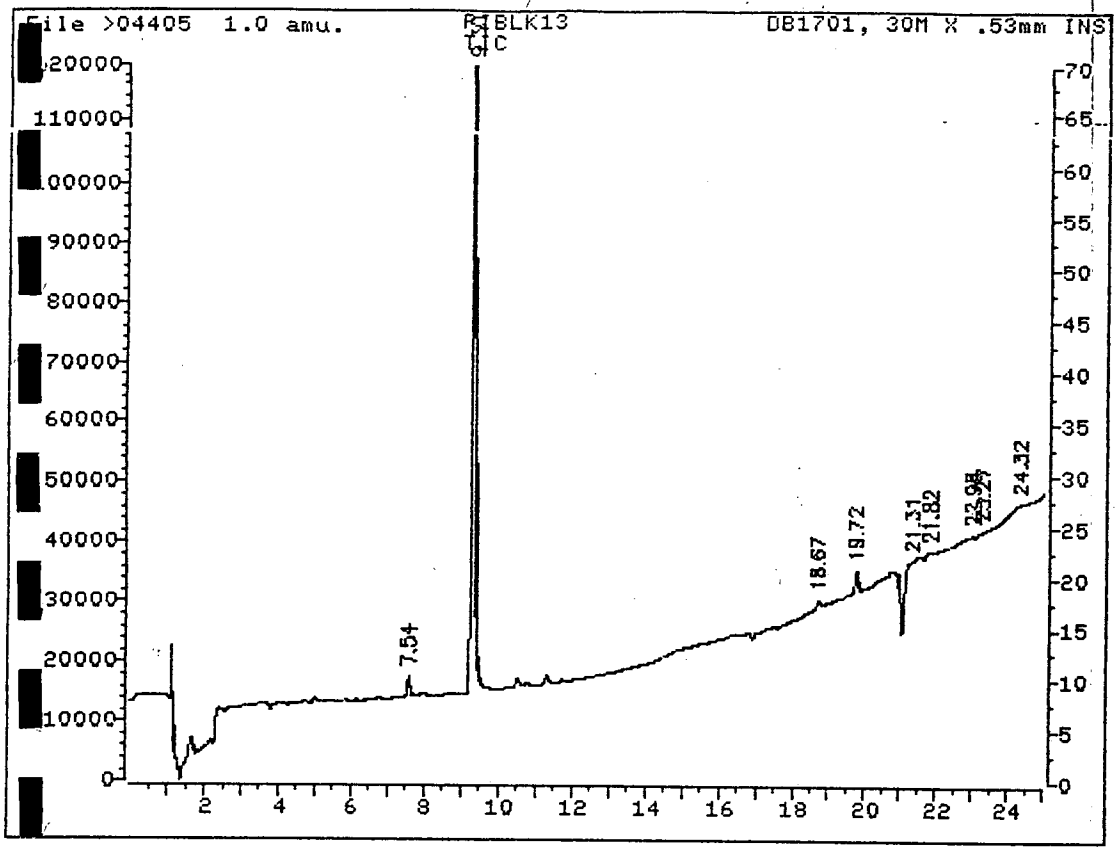


Data File: >04405::G4 Quant Output File: ^04405::GQ
Name: PIBLK13 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960717 18:43
Injected at: 960717 17:52

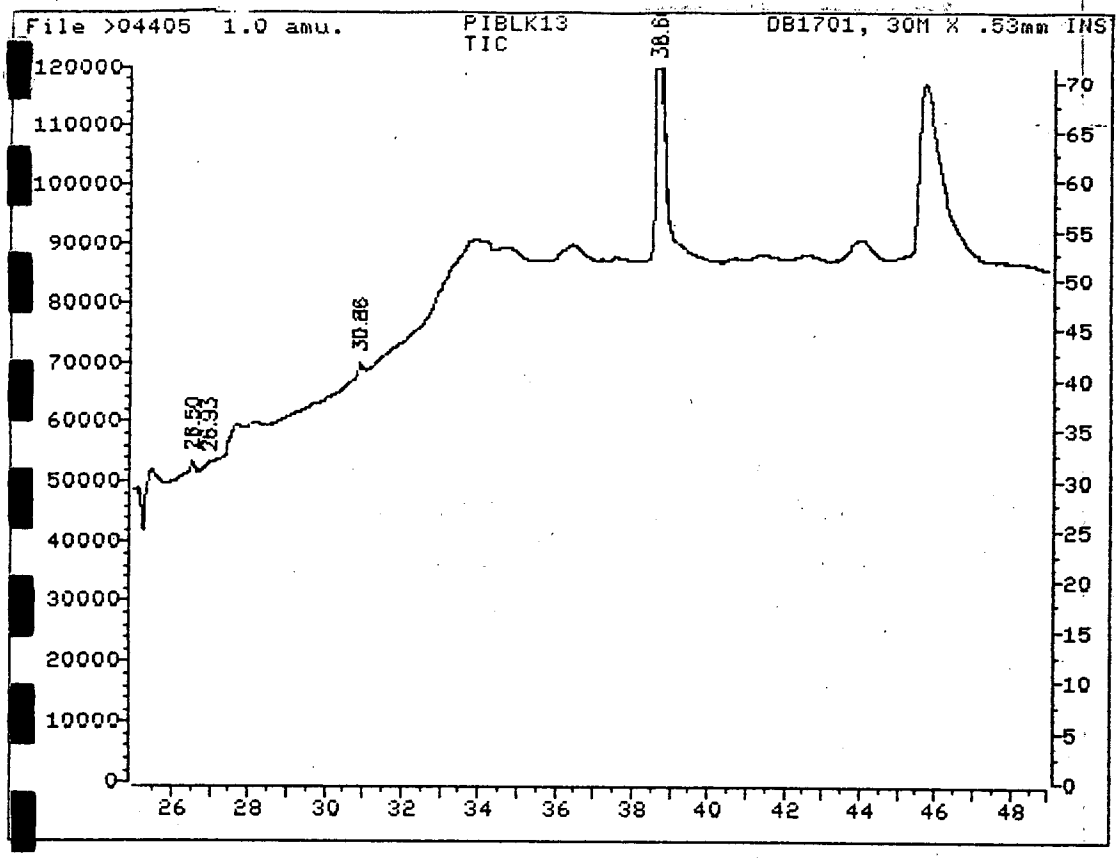
Page 2 of 2



MS data file header from : >04405::G4

Sample: PIBLK13 Operator: TRFI2 7/17/96 17:52
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >04405::G4

Sample: PIBLK13 Operator: TRFI2 7/17/96 17:52
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK14A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK14A

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

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

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

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

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

QUANT REPORT

Operator ID: TRFI2
Output File: ^03415::GQ
Data File: >03415::G2
Name: PIBLK14A
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

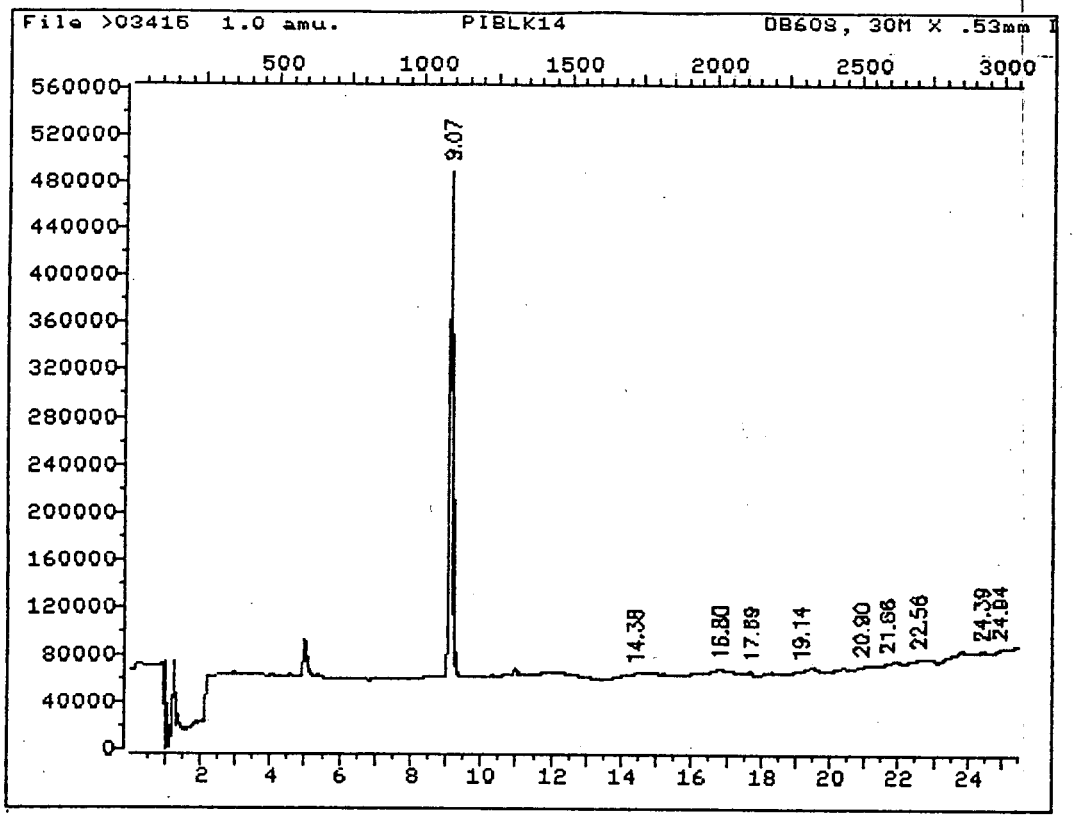
Quant Rev: 7
Quant Time: 960718 03:52
Injected at: 960718 02:59
Dilution Factor: 1.00000
Instrument ID: GC03

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	2439553	20.39	ng/ml	100
5)	#~~gamma BHC (Lindane)~~ NC	14.38	1726	12979	.0937	ng/ml	100
9)	#~~Endosulfan~~ I NC	21.66	2599	12454	.117	ng/ml	100
12)	#~~Endrin~~ OW	24.94	2992	27181	.311	ng/ml	100
14)	#~~4,4'-DDD~~ NC	25.55	3066	40575	.657	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	28.37	3404	43154	.491	ng/ml	100
19)	#Decachlorobiphenyl	41.65	4998	1992382	17.23	ng/ml	100
20)	#~~alpha-Chlordane~~ OW	21.66	2599	7721	.0641	ng/ml	100
21)	#~~gamma Chlordane~~ OW	20.90	2508	28386	.235	ng/ml	100
28)	#~~Aroclor 1254(1)~~ NP	20.90	2508	28386	5.71	ng/ml	100
29)	#~~Aroclor 1260(1)~~ NP	24.39	2927	12194	1.90	ng/ml	100
30)	#~~Endrin aldehyde~~ OW	27.45	3294	18082	.224	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	27.45	3294	18082	10.82	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.37	3404	43154	20.35	ng/ml	100
34)	#~~Aroclor 1016(2)~~ NP	14.38	1726	12979	2.24	ng/ml	100
36)	#~~Aroclor 1016(4)~~ NP	16.80	2016	48914	12.71	ng/ml	100
37)	#~~Aroclor 1016(5)~~ NP	19.14	2297	17943	5.30	ng/ml	100
40)	#~~Aroclor 1232(2)~~ NP	14.38	1726	12979	4.62	ng/ml	100
42)	#~~Aroclor 1232(4)~~ NP	16.80	2016	48914	27.99	ng/ml	100
43)	#~~Aroclor 1242(2)~~ NP	14.38	1726	12979	2.80	ng/ml	100
45)	#~~Aroclor 1242(4)~~ NP	16.80	2016	48914	14.78	ng/ml	100
46)	#~~Aroclor 1242(5)~~ NP	19.14	2297	17943	6.13	ng/ml	100
47)	#~~Aroclor 1248(2)~~ NP	17.69	2123	29838	9.34	ng/ml	100
48)	#~~Aroclor 1248(3)~~ NP	19.14	2297	17943	4.36	ng/ml	100
50)	#~~Aroclor 1248(5)~~ NP	21.66	2599	12778	2.92	ng/ml	100
52)	#~~Aroclor 1254(3)~~ NP	22.56	2707	13323	7.21	ng/ml	100
54)	#~~Aroclor 1254(5)~~ NP	24.94	2992	27181	7.44	ng/ml	100
55)	#~~Aroclor 1260(2)~~ NP	24.94	2992	27181	3.82	ng/ml	100
56)	#~~Aroclor 1260(3)~~ NP	26.59	3190	283395	61.56	ng/ml	100
57)	#~~Aroclor 1260(4)~~ NP	29.98	3597	155058	14.16	ng/ml	100

Compound uses ESTD

EPrice
7/22/96

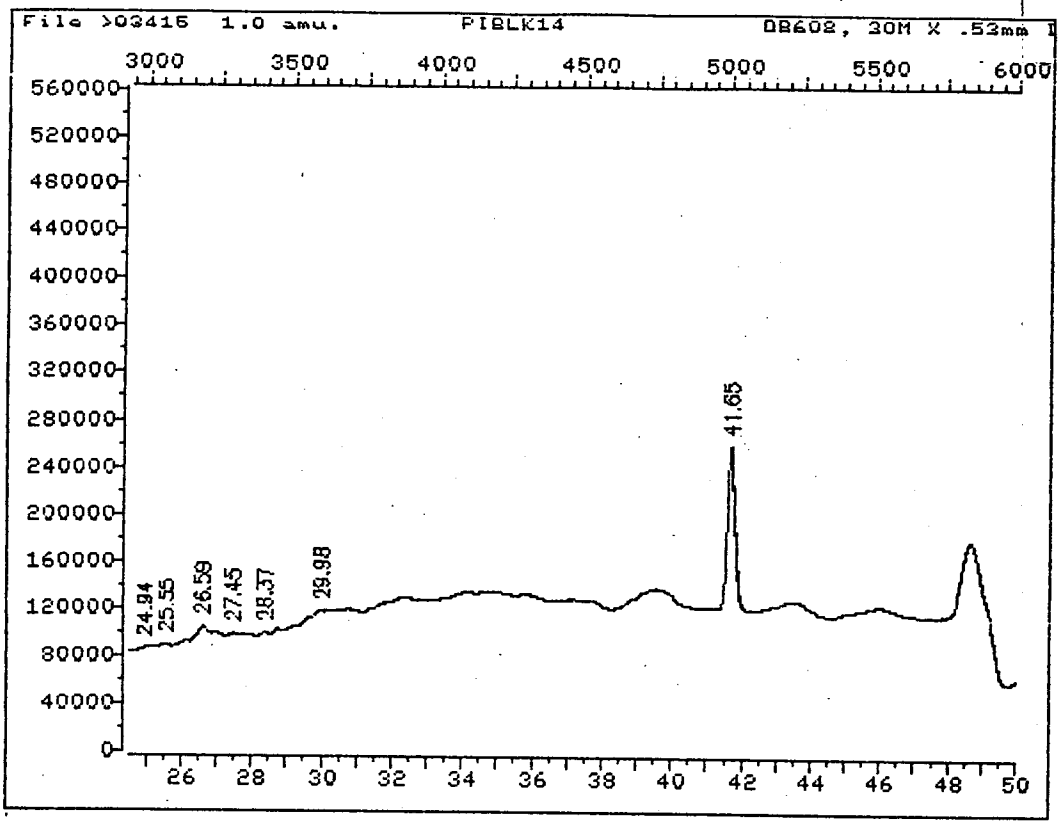


Data File: >03415::G2 Quant Output File: ^03415::GQ
Name: PIBLK14 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 03:52
Injected at: 960718 02:59

Page 1 of 2

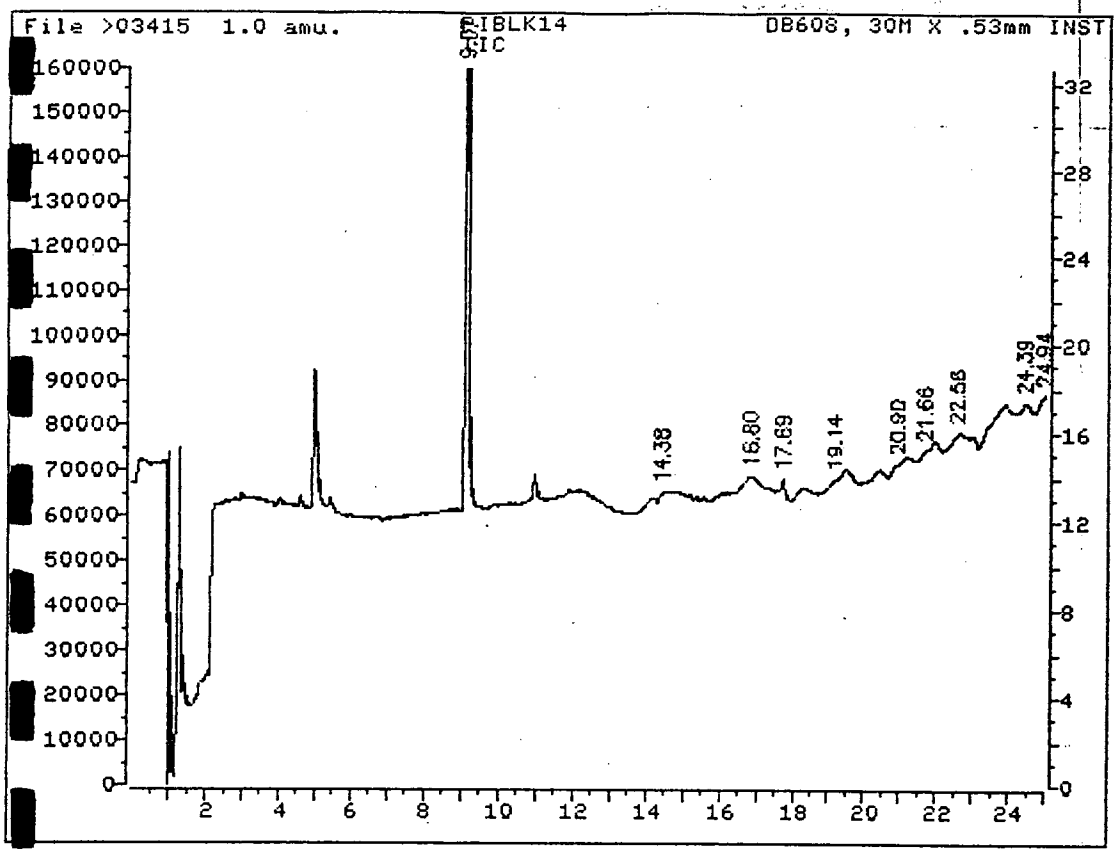


Data File: >03415::G2 Quant Output File: ^03415::GQ
Name: PIBLK14 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 03:52
Injected at: 960718 02:59

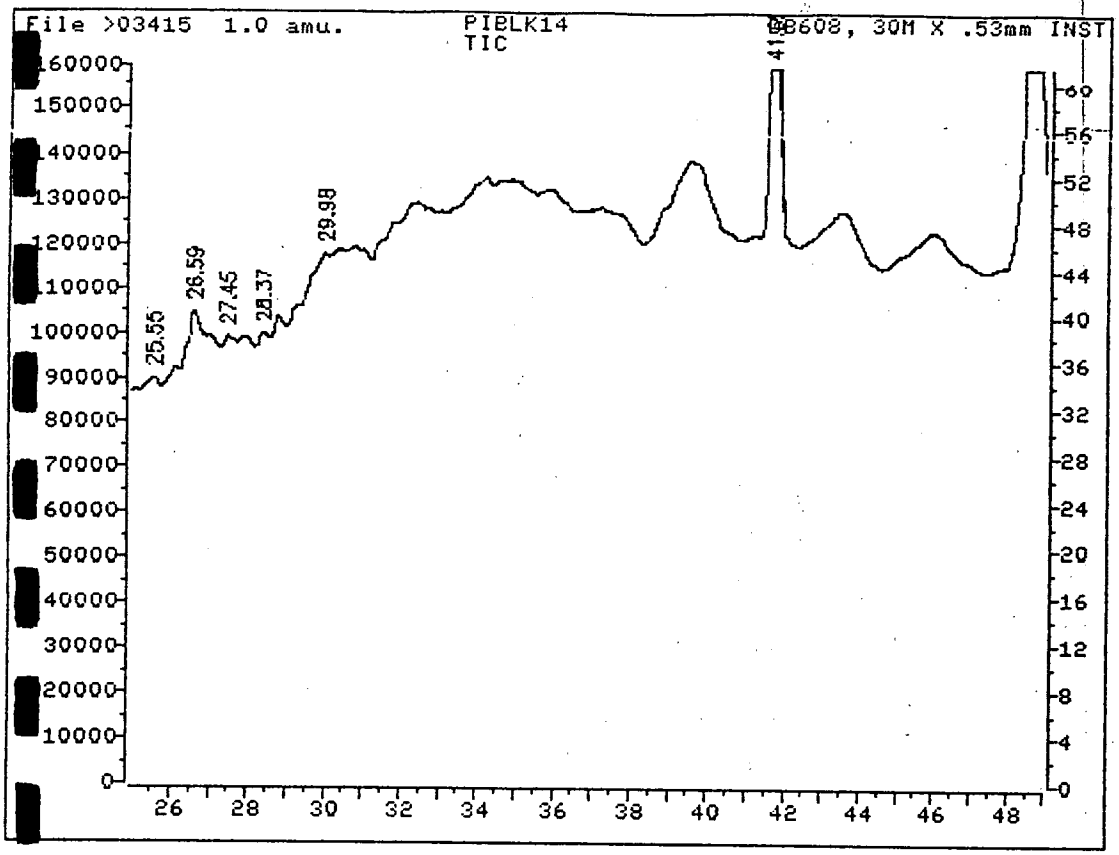
Page 2 of 2



MS data file header from : >03415::G2

Sample: PIBLK14 Operator: TRFI2 7/18/96 2:59
Disc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >03415::G2

Sample: PIBLK14 Operator: TRFI2 7/18/96 2:59
Disc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFI2
Output File: ^04415::GQ
Data File: >04415::G4
Name: PIBLK14A
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960718 03:50
Injected at: 960718 02:59
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	829307	20.27	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	917642	20.01	ng/ml	100
24)	#~~Aroclor 1221(1~~) NP	7.55	906	85854	112.31	ng/ml	100
25)	#~~Aroclor 1232(~~1) NP	7.55	906	85854	77.78	ng/ml	100
27)	#~~Aroclor 1248(~~1) NP	13.87	1664	28719	27.94	ng/ml	100
33)	#~~Toxaphene(~~4) NP	31.66	3799	43777	84.46	ng/ml	100
34)	#~~Aroclor 1016(~~2) NP	13.87	1664	28719	11.63	ng/ml	100
41)	#~~Aroclor 1232~~(3) NP	13.87	1664	28375	28.43	ng/ml	100
43)	#~~Aroclor 1242(~~2) NP	13.87	1664	28719	14.85	ng/ml	100
53)	#~~Aroclor 1254(4~~) NP	23.13	2775	63681	24.51	ng/ml	100

Compound uses ESTD

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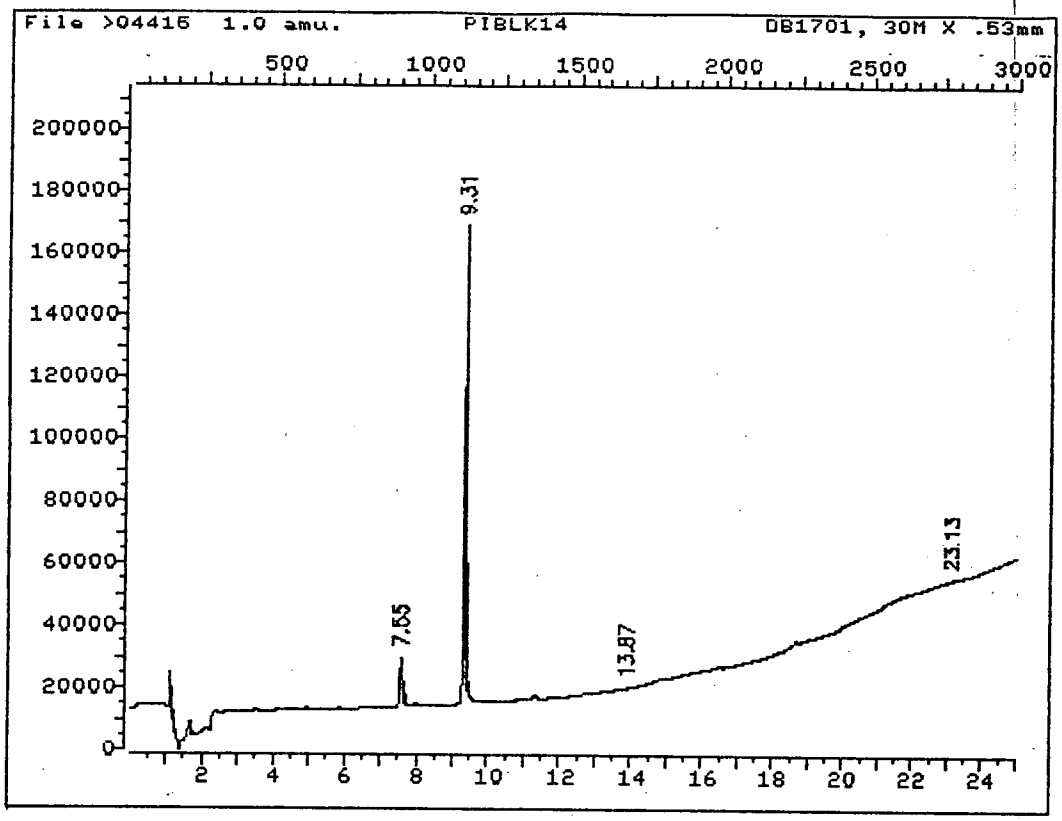
7/22/96

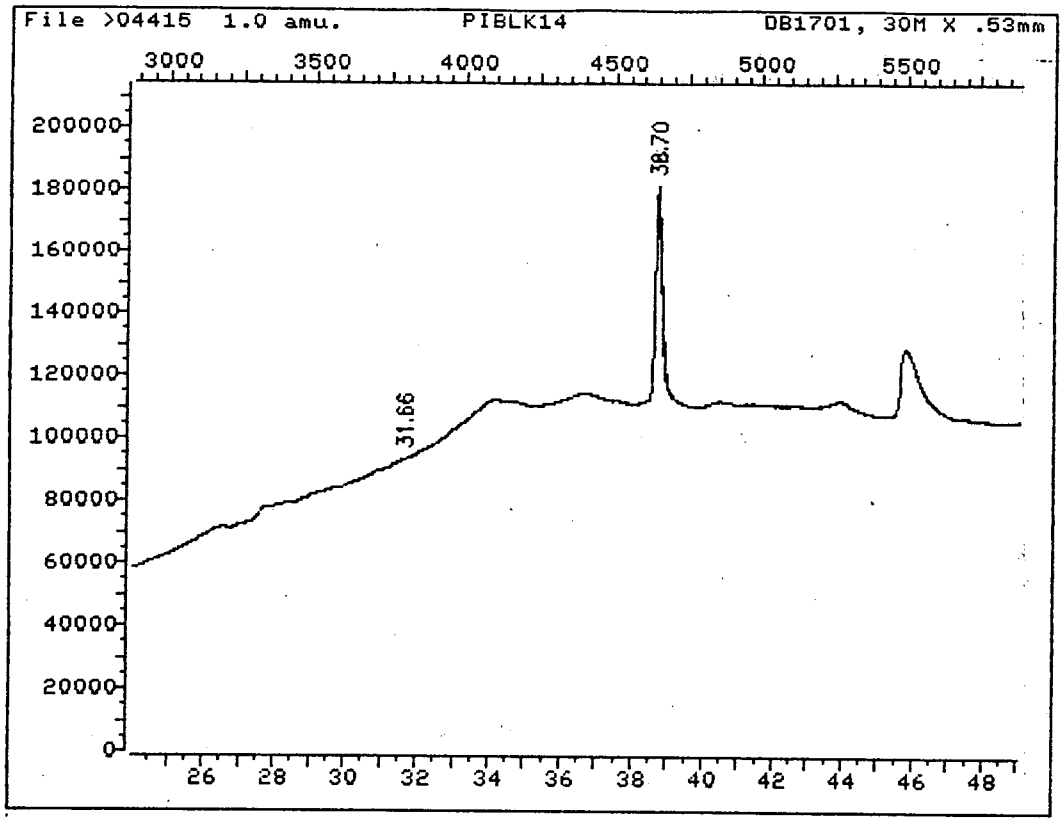


Data File: >04415::G4 Quant Output File: ^04415::GQ
Name: PIBLK14 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST-58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 03:50
Injected at: 960718 02:59

Page 1 of 2

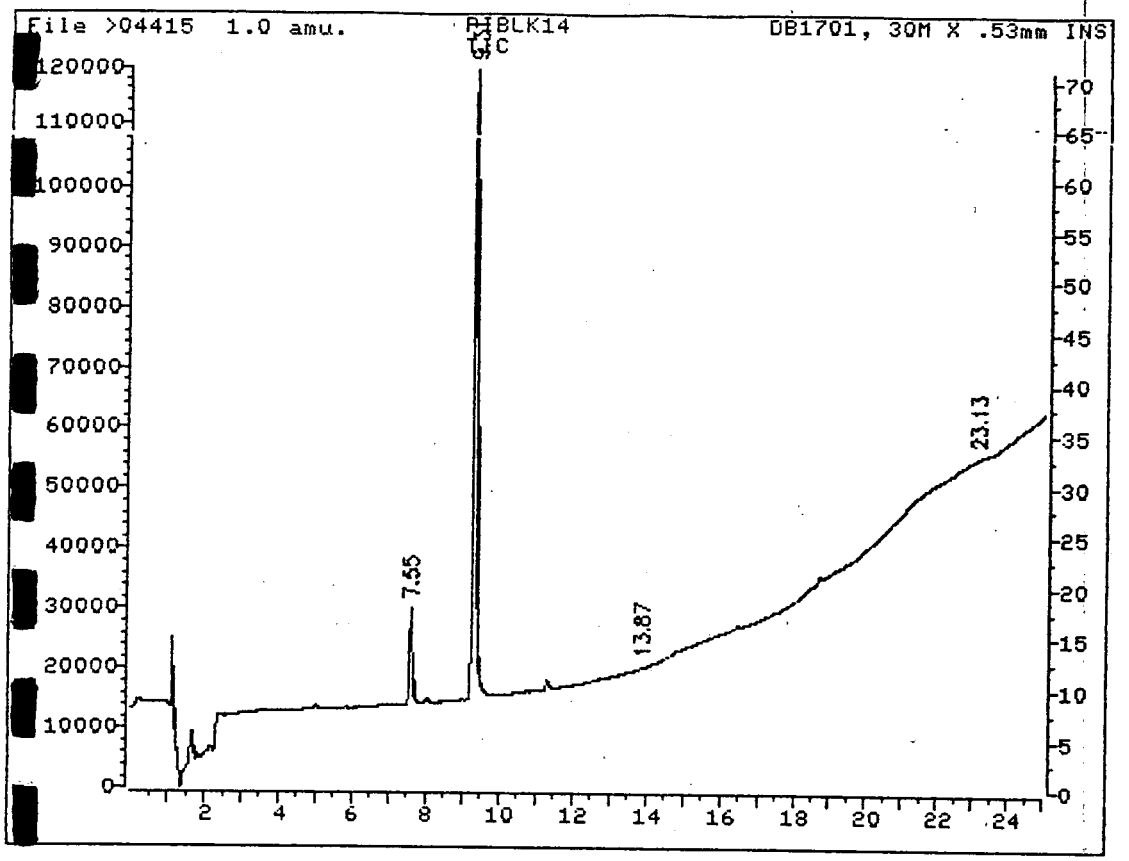


Data File: >04415::G4 Quant Output File: ^04415::GQ
Name: PIBLK14 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 03:50
Injected at: 960718 02:59

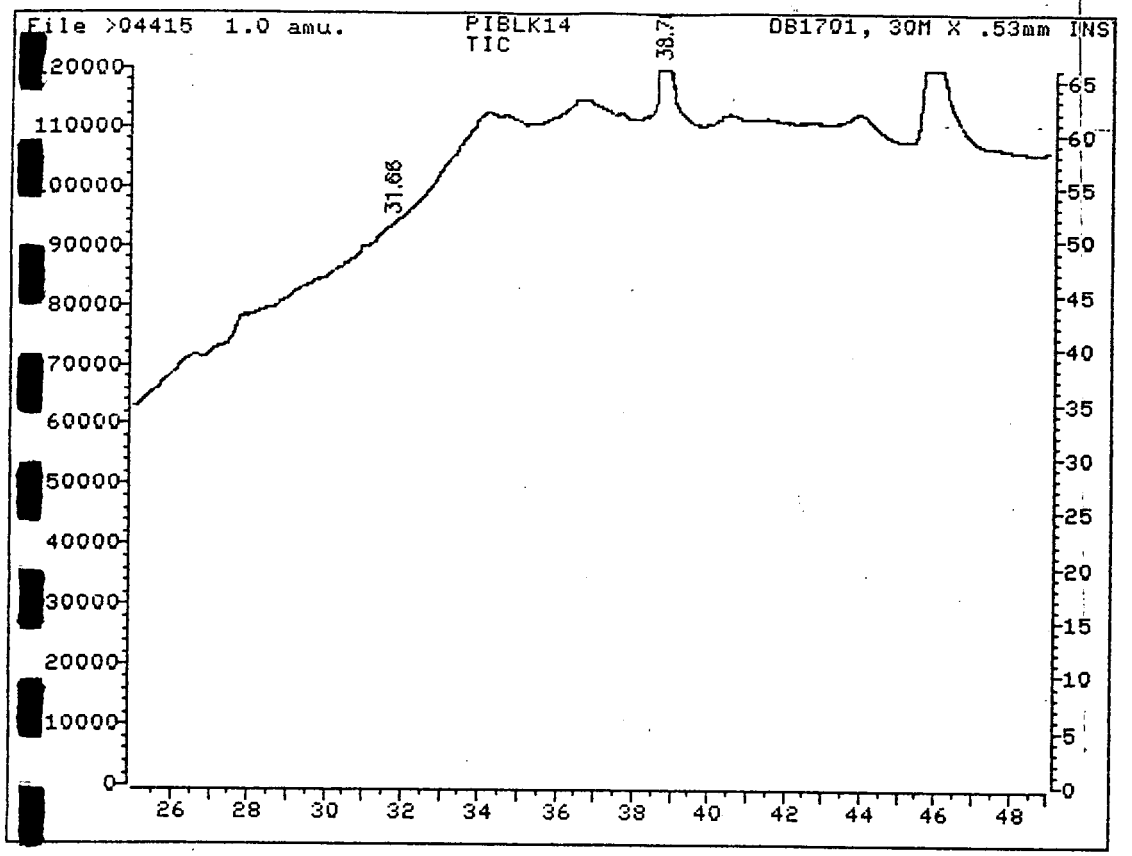
Page 2 of 2



MS data file header from : >04415::G4

Sample: PIBLK14 Operator: TRFI2 7/18/96 2:59
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >04415::G4

Sample: PIBLK14 Operator: TRFI2 7/18/96 2:59
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK15A

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: PIBLK15A

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

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

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

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

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

QUANT REPORT

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

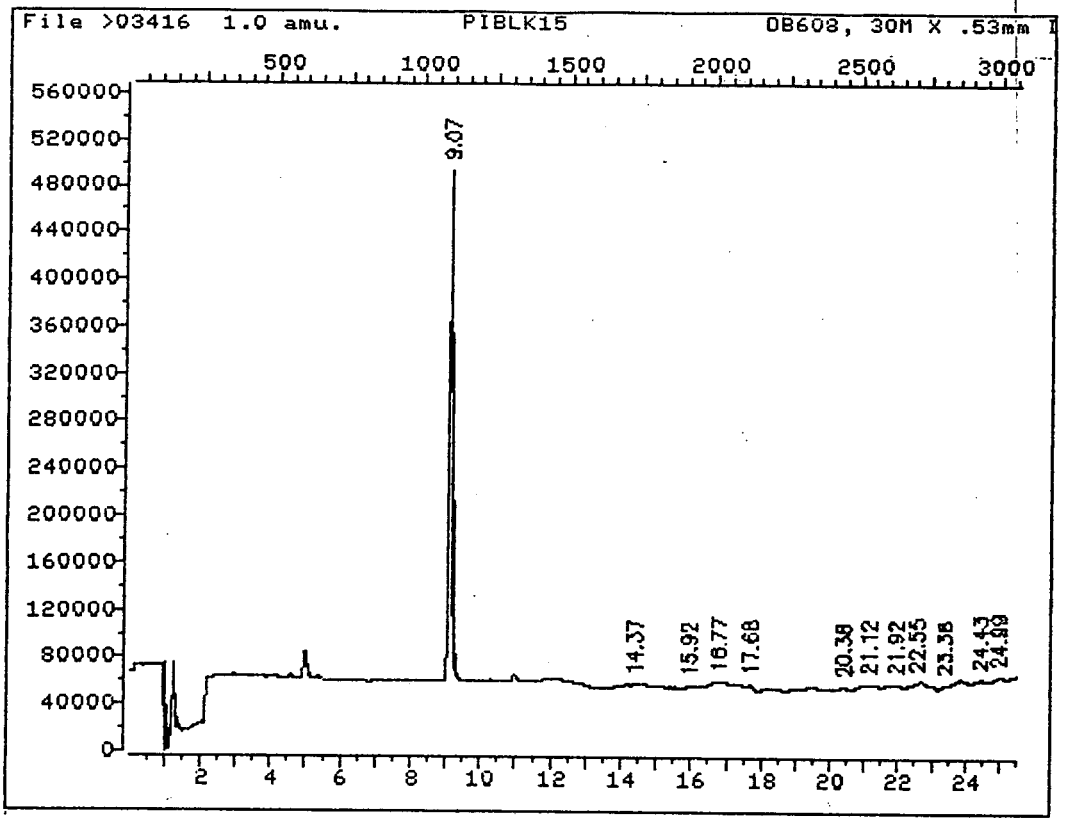
Quant Rev: 7
Quant Time: 960718 04:47
Injected at: 960718 03:54
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2469060	20.64	ng/ml	100
5)	~~#gamma-BHC (Lindane)~~ NC	14.37	1724	5887	.0425	ng/ml	100
6)	~~#Heptachlor~~ NC	15.92	1911	11300	.108	ng/ml	100
12)	~~#Endrin~~ NC	24.99	2998	43690	.500	ng/ml	100
14)	~~#4,4'-DDD~~ <½CRQL	26.06	3127	28050	.454	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NC	28.38	3405	43501	.495	ng/ml	100
19)	#Decachlorobiphenyl	41.65	4998	2178077	18.84	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	15.92	1911	11300	1.50	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.43	2932	20716	3.24	ng/ml	100
30)	~~#Endrin aldehyde~~ NC	27.45	3294	7569	.0936	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.45	3294	7569	4.53	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.38	3405	43501	20.51	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	14.37	1724	5887	1.01	ng/ml	100
35)	~~#Aroclor-1016(3)~~ NP	15.92	1911	11300	1.01	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.77	2012	46653	12.12	ng/ml	100
40)	~~#Aroclor-1232(2)~~ NP	14.37	1724	5887	2.10	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	15.92	1911	11300	2.42	ng/ml	100
42)	~~#Aroclor-1232(4)~~ NP	16.77	2012	46653	26.69	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	14.37	1724	5887	1.27	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.92	1911	11300	1.27	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.77	2012	46653	14.09	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	17.68	2122	39793	12.46	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.38	2446	43553	10.60	ng/ml	100
50)	~~#Aroclor-1248(5)~~ NP	21.92	2630	38759	8.85	ng/ml	100
51)	~~#Aroclor-1254(2)~~ NP	21.12	2534	81887	13.96	ng/ml	100
52)	~~#Aroclor-1254(3)~~ NP	22.55	2706	51677	27.98	ng/ml	100
53)	~~#Aroclor-1254(4)~~ NP	23.38	2806	23521	3.64	ng/ml	100
54)	~~#Aroclor-1254(5)~~ NP	24.99	2998	43690	11.96	ng/ml	100
55)	~~#Aroclor-1260(2)~~ NP	24.99	2998	43690	6.13	ng/ml	100
56)	~~#Aroclor-1260(3)~~ NP	26.59	3190	253066	54.97	ng/ml	100
58)	~~#Aroclor-1260(5)~~ NP	33.02	3962	11197	2.27	ng/ml	100

Compound uses ESTD

EPrice
7/22/96

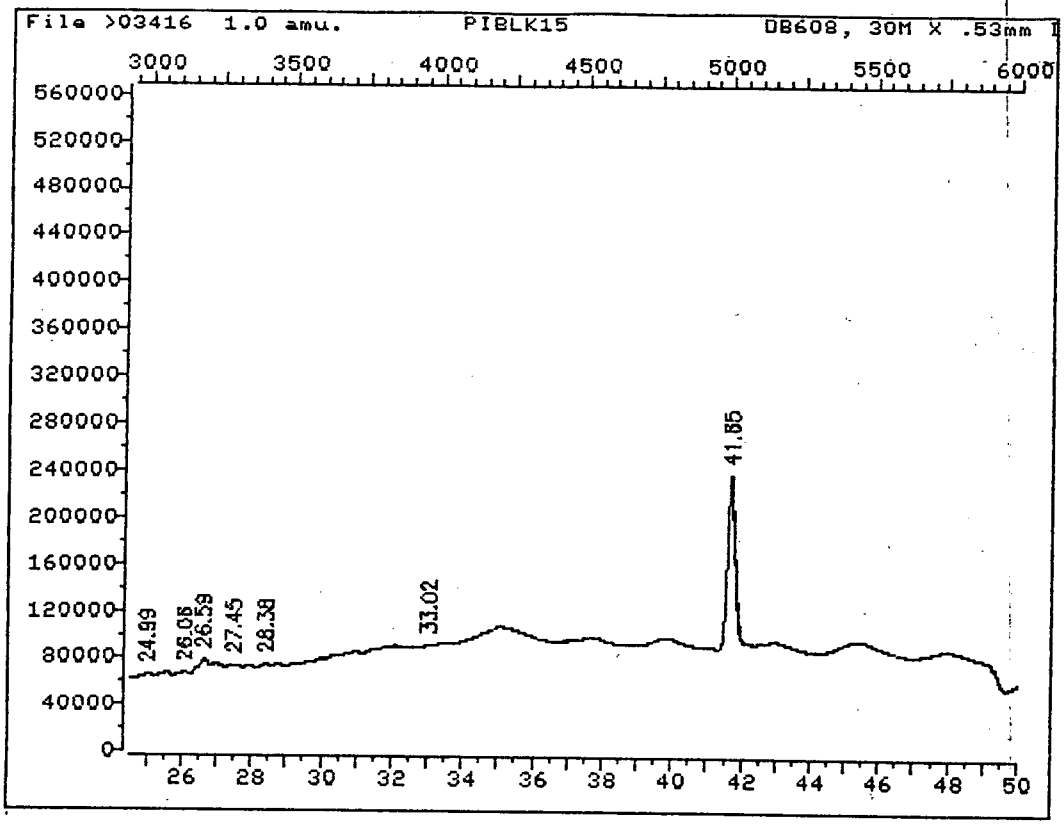


Data File: >03416::G2 Quant Output File: ^03416::GQ
Name: PIBLK15 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 04:47
Injected at: 960718 03:54

Page 1 of 2

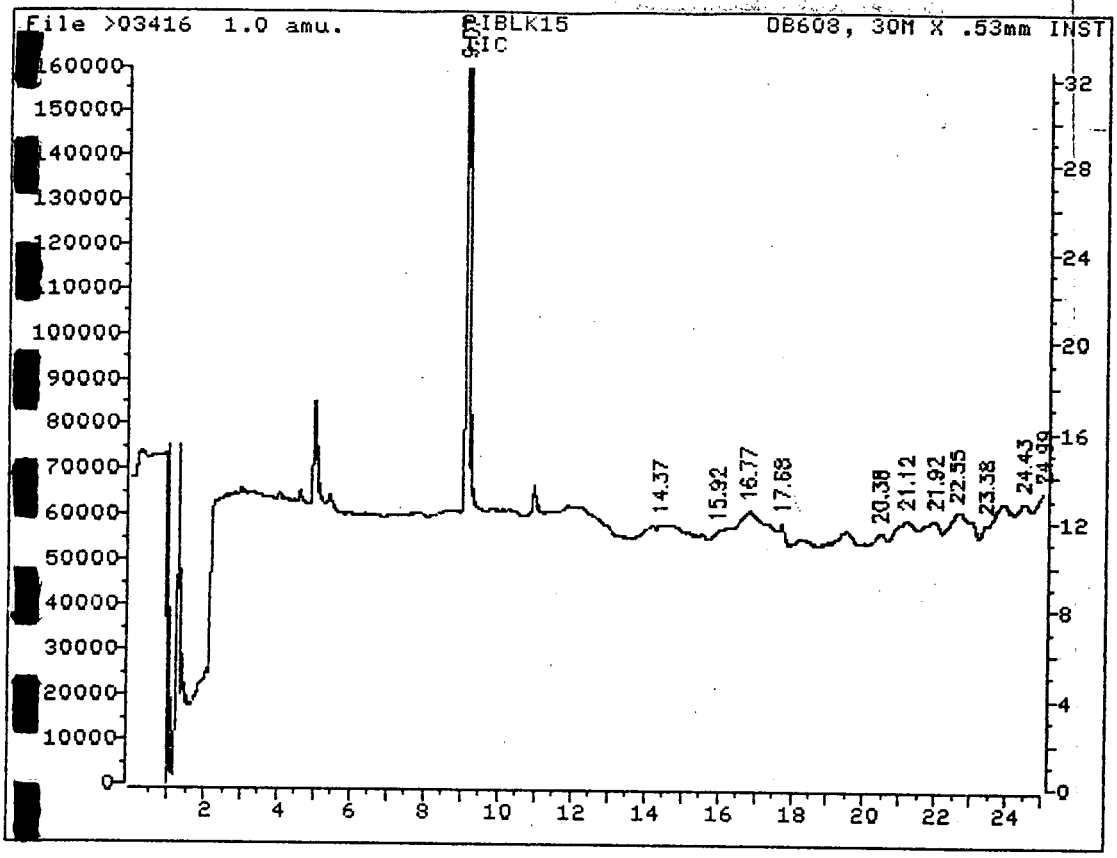


Data File: >03416::G2 Quant Output File: ^03416::GQ
Name: PIBLK15 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 04:47
Injected at: 960718 03:54

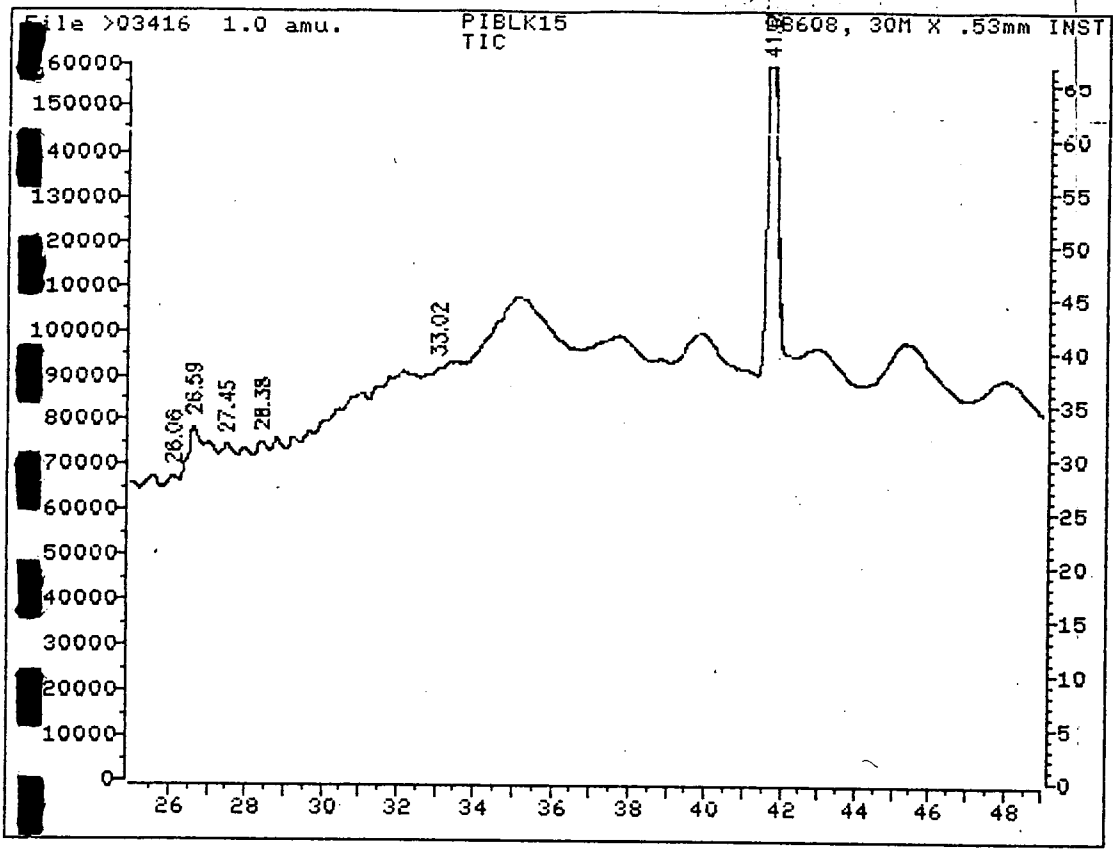
Page 2 of 2



MS data file header from : >03416::G2

Sample: PIBLK15 Operator: TRFI2 7/18/96 3:54
Disc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >03416::G2

Sample: PIBLK15 Operator: TRFI2 7/18/96 3:54
Disc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

Operator ID: TRFI2
Output File: ^04416::GQ
Data File: >04416::G4
Name: PIBLK15A
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

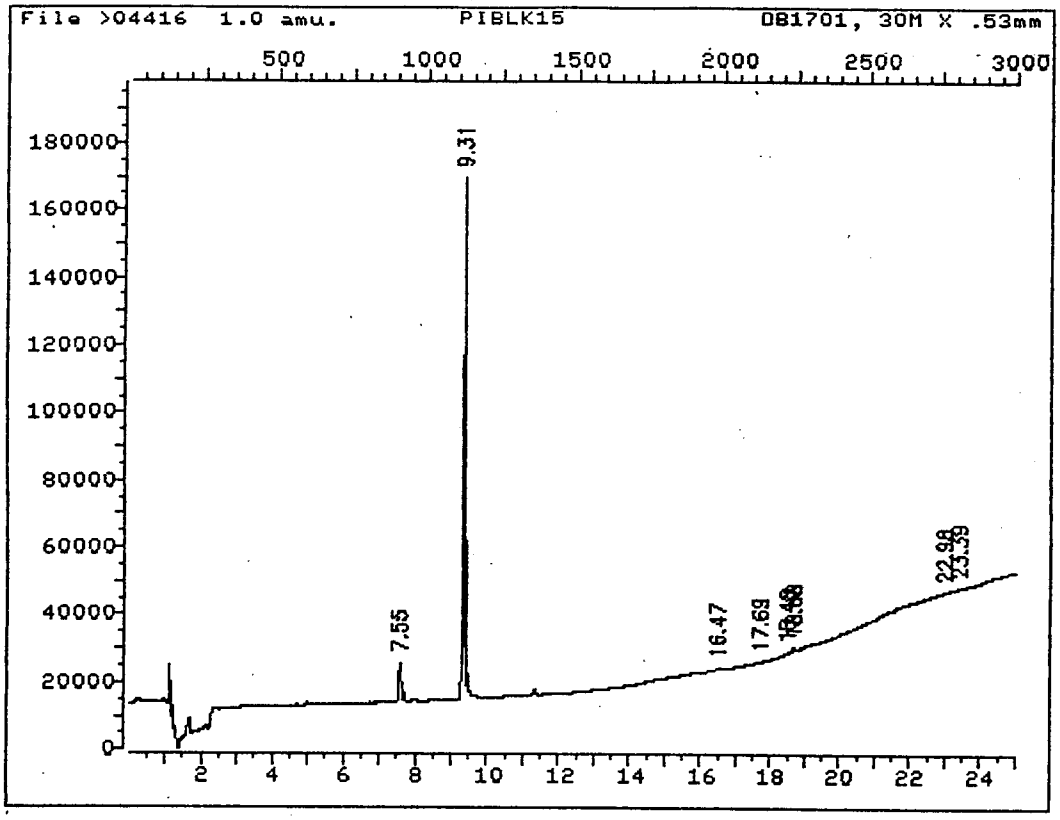
Quant Rev: 7
Quant Time: 960718 04:45
Injected at: 960718 03:54
Dilution Factor: 1.00000
Instrument ID: GC04

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	830707	20.30	ng/ml	100
3)	~~#beta-BHC~~ NC	18.68	2241	6741	.269	ng/ml	100
7)	~~#Aldrin~~ NC	17.69	2123	19612	.524	ng/ml	100
10)	~~#Dieldrin~~ NC	23.39	2807	17234	.537	ng/ml	100
13)	~~#Endosulfan II~~ NC	26.64	3196	47822	1.40	ng/ml	100
14)	~~#4,4'-DDD~~ NC	26.64	3196	80852	4.21	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	905666	19.75	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	62441	81.69	ng/ml	100
25)	~~#Aroclor-1232~~(1) NP	7.55	906	62441	56.57	ng/ml	100
32)	#Toxaphene(3) NP	30.30	3636	27637	51.24	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.47	1977	15575	10.49	ng/ml	100
37)	~~#Aroclor-1016(5)~~ NP	18.48	2217	27637	14.14	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.47	1977	15575	13.61	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.48	2217	27637	11.42	ng/ml	100
53)	~~#Aroclor-1254(4)~~ NP	22.98	2757	35743	13.76	ng/ml	100

Compound uses ESTD

EPuu
7/22/96

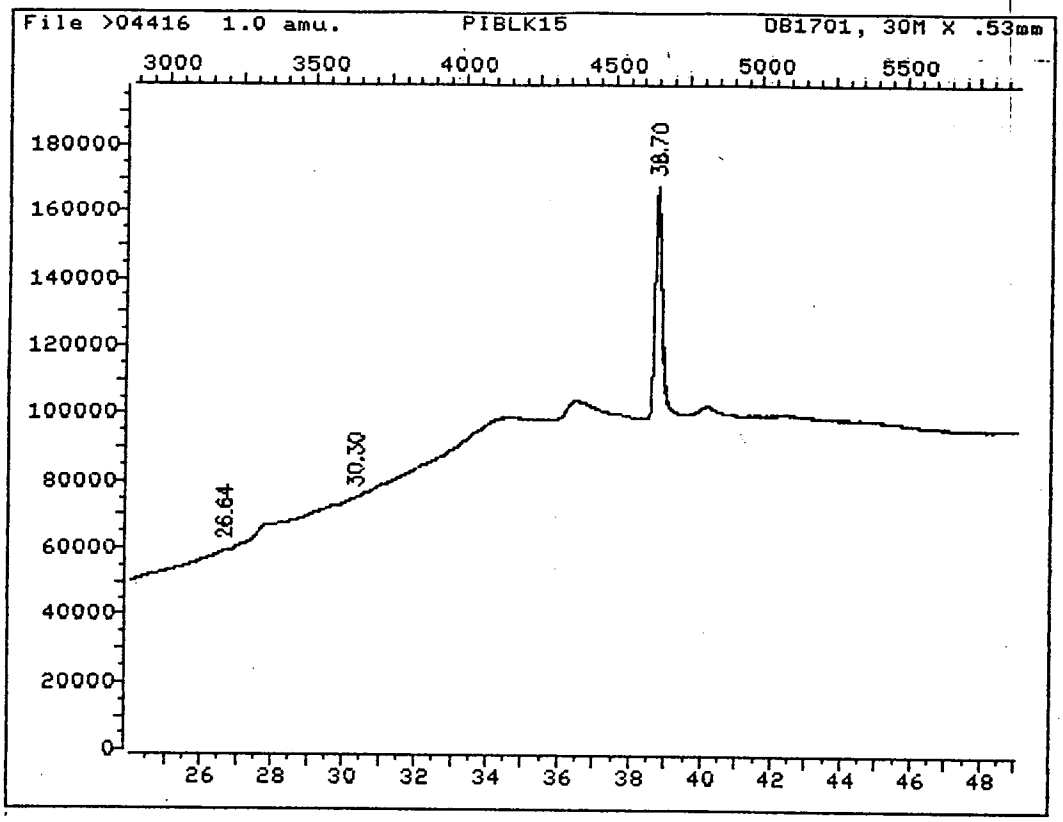


Data File: >04416::G4 Quant Output File: ^04416::GQ
Name: PIBLK15 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 04:45
Injected at: 960718 03:54

Page 1 of 2

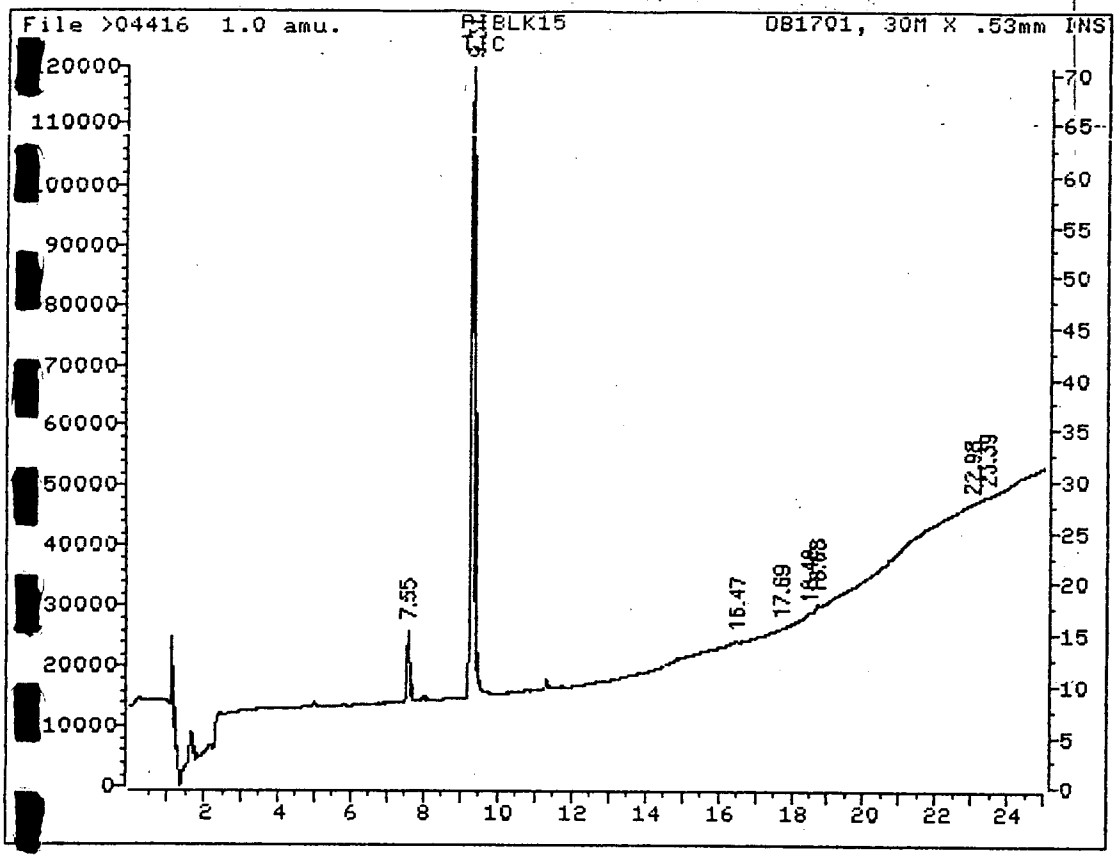


Data File: >04416::G4 Quant Output File: ^04416::GQ
Name: PIBLK15 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 04:45
Injected at: 960718 03:54

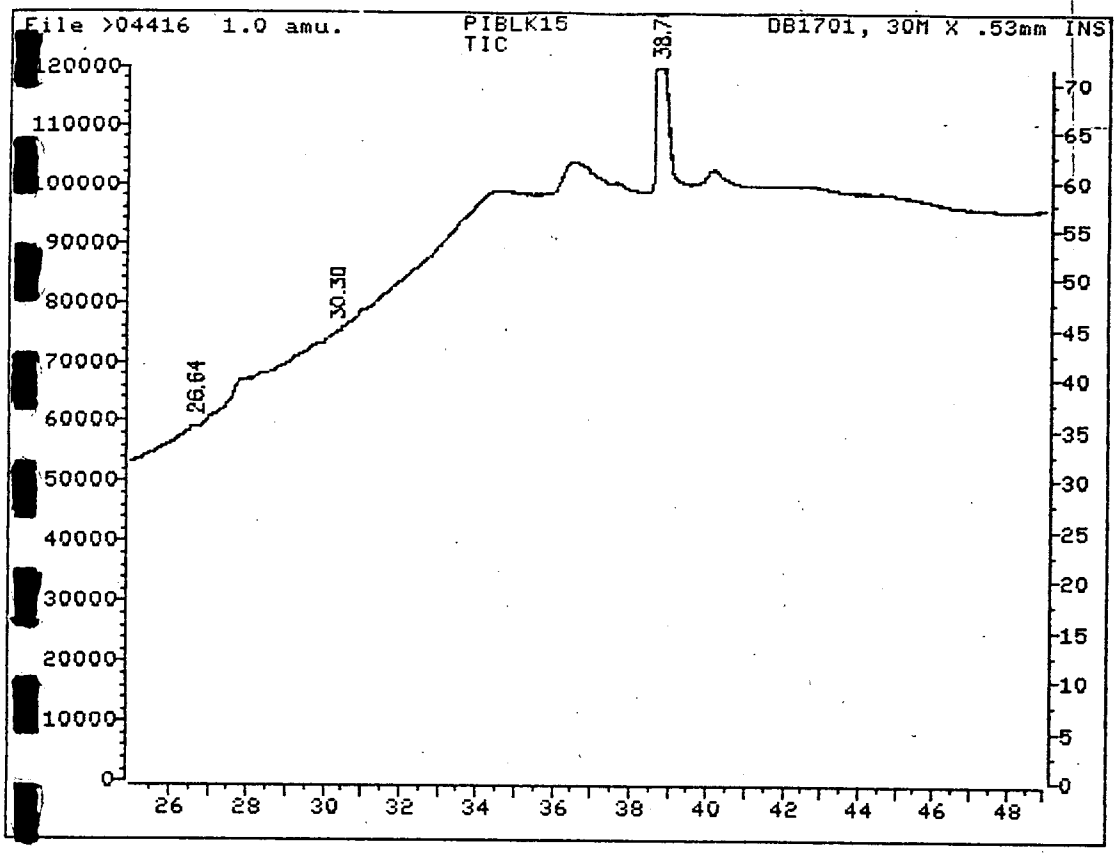
Page 2 of 2



MS data file header from : >04416::G4

Sample: PIBLK15 Operator: TRFI2 7/18/96 3:54
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >04416::G4

Sample: PIBLK15 Operator: TRFI2 7/18/96 3:54
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN2BMS

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: 238930

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03155

% 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)	.39	
76-44-8	Heptachlor	.45	P
309-00-2	Aldrin	.39	
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.96	
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	1.0	
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	.94	
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: ^03155::F3
Data File: >03155::G3
Name: ~~238930~~ MS Blank EP
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 19:13
Injected at: 960706 18:20
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.07	1089	2382037	19.03	ng/ml	100
4)	#~~delta-BHC~~ NT	16.32	1959	5693	.0471	ng/ml	100
5)	#gamma-BHC (Lindane)	14.35	1722	5329462	39.00	ng/ml	100
6)	#Heptachlor	15.85	1902	4505523	57.74	ng/ml	100
7)	#Aldrin	17.35	2082	5264237	39.07	ng/ml	100
8)	#~~Heptachlor epoxide~~ NT	20.20	2424	98781	.899	ng/ml	100
9)	#~~Endosulfan I~~ NT	21.45	2574	76394	.627	ng/ml	100
10)	#Dieldrin	23.03	2763	9110412	96.35	ng/ml	100
11)	#~~4,4'-DDE~~ NT	22.82	2738	598424	6.54	ng/ml	100
12)	#Endrin	24.82	2978	8532890	99.69	ng/ml	100
13)	#~~Endosulfan II~~ NT	25.88	3105	56283	.584	ng/ml	100
14)	#~~4,4'-DDD~~ NT	25.61	3073	57887	1.01	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NT	28.33	3399	268083	3.02	ng/ml	100
16)	#4,4'-DDT	27.19	3263	6119938	94.42	ng/ml	100
18)	#~~Endrin ketone~~ NT	32.76	3931	80896	.898	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	1666508	13.92	ng/ml	100
20)	#~~alpha-Chlordane~~ NT	21.45	2574	76394	.556	ng/ml	100
21)	#~~gamma-Chlordane~~ NT	20.83	2500	130324	1.11	ng/ml	100
22)	#~~Toxaphene~~(1) NP	23.53	2823	145747	90.88	ng/ml	100
24)	#~~Aroclor 1221~~(1) NP	7.98	958	6172	7.28	ng/ml	100
27)	#~~Aroclor 1248~~(1) NP	15.85	1902	4505523	595.40	ng/ml	100
28)	#~~Aroclor 1254~~(1) NP	20.83	2500	128961	27.20	ng/ml	100
29)	#~~Aroclor 1260~~(1) NP	24.39	2927	76532	9.87	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	27.60	3312	123521	1.57	ng/ml	100
31)	#~~Toxaphene~~(2) NP	27.60	3312	123521	67.13	ng/ml	100
32)	#~~Toxaphene~~(3) NP	28.33	3399	268083	107.26	ng/ml	100
33)	#~~Toxaphene~~(4) NP	30.66	3679	10637	5.52	ng/ml	100
34)	#~~Aroclor 1016~~(2) NP	14.35	1722	5329462	815.28	ng/ml	100
35)	#~~Aroclor 1016~~(3) NP	15.85	1902	4505523	407.90	ng/ml	100
37)	#~~Aroclor 1016~~(5) NP	19.01	2281	51726	15.22	ng/ml	100
40)	#~~Aroclor 1232~~(2) NP	14.35	1722	5329462	1888.51	ng/ml	100
41)	#~~Aroclor 1232~~(3) NP	15.85	1902	4505523	957.68	ng/ml	100
43)	#~~Aroclor 1242~~(2) NP	14.35	1722	5329462	990.17	ng/ml	100
44)	#~~Aroclor 1242~~(3) NP	15.85	1902	4505523	505.48	ng/ml	100
46)	#~~Aroclor 1242~~(5) NP	19.01	2281	51726	17.31	ng/ml	100
47)	#~~Aroclor 1248~~(2) NP	17.69	2123	154514	59.24	ng/ml	100
48)	#~~Aroclor 1248~~(3) NP	19.01	2281	51726	12.46	ng/ml	100
49)	#~~Aroclor 1248~~(4) NP	20.46	2455	27734	5.72	ng/ml	100
50)	#~~Aroclor 1248~~(5) NP	21.75	2610	50085	9.08	ng/ml	100
51)	#~~Aroclor 1254~~(3) NP	21.13	2536	141602	25.55	ng/ml	100

EPrui
7/8/96

QUANT REPORT

Operator ID: TRFIL
Output File: ^03155::F3
Data File: >03155::G3
Name: ~~238930~~ MS Blank EP
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

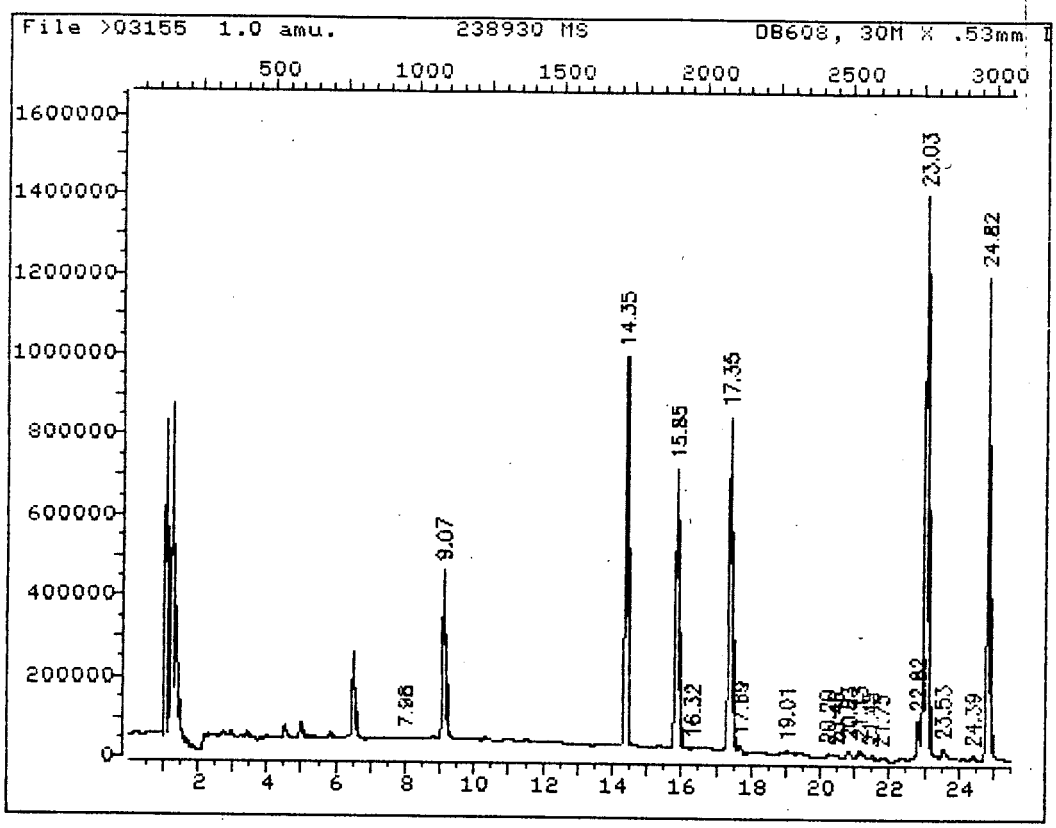
Quant Rev: 7
Quant Time: 960706 19:13
Injected at: 960706 18:20
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
52)	~~#Aroclor-1254(3)~~ NP	22.82	2738	579182	359.20	ng/ml	100
53)	~~#Aroclor-1254(~~4) NP	23.53	2823	145747	24.01	ng/ml	100
54)	~~#Aroclor-1254~~(5) NP	24.82	2978	8532890	2379.75	ng/ml	100
55)	~~#Aroclor-1260~~(2) NP	24.82	2978	8532890	1218.22	ng/ml	100
56)	~~#Aroclor-1260(~~3) NP	26.55	3186	139384	26.70	ng/ml	100
57)	~~#Aroclor-1260~~(4) NP	30.17	3620	36797	3.41	ng/ml	100
58)	~~#Aroclor-1260(~~5) NP	32.76	3931	80896	14.65	ng/ml	100

Compound uses ESTD

EPrice
7/8/96

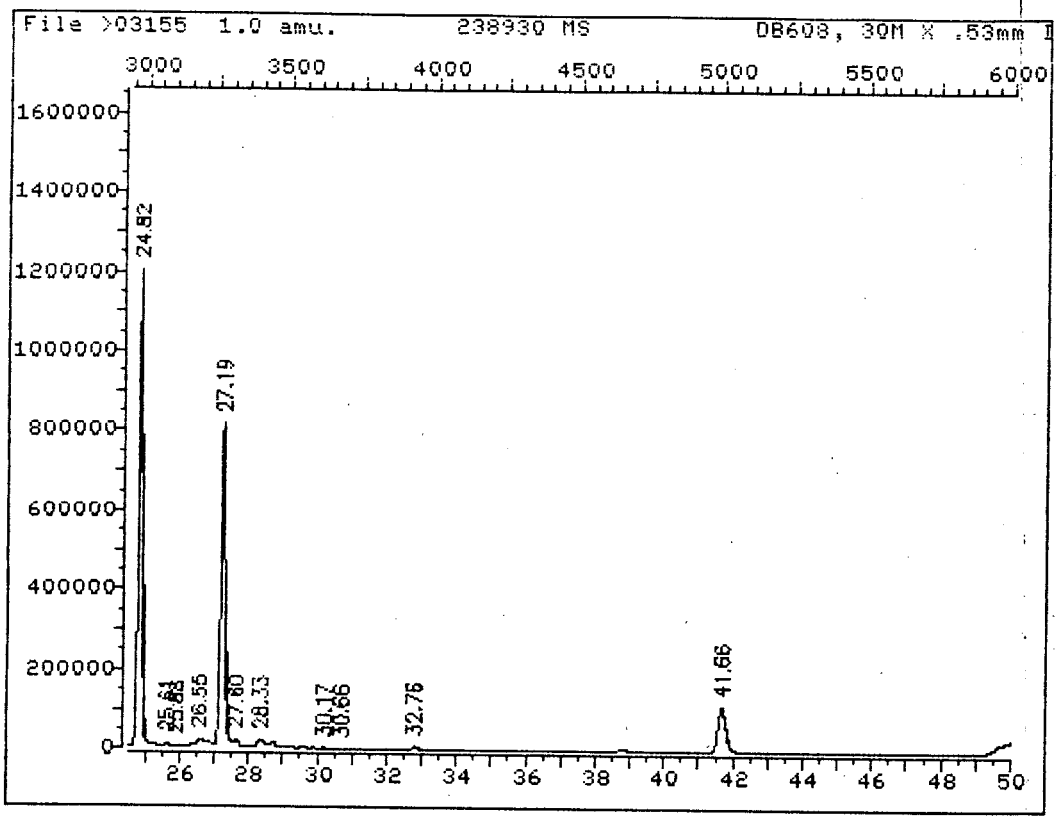


Data File: >03155::G3 Quant Output File: ^03155::F3
Name: ~~238930~~ MS Blank 2P Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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 19:13
Injected at: 960706 18:20

Page 1 of 2



Data File: >03155::G3 Quant Output File: ^03155::F3
Name: ~~238930~~ MS Blank 4 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 19:13
Injected at: 960706 18:20

Page 2 of 2

QUANT REPORT

Operator ID: TRFIL
Output File: ^04155::F3
Data File: >04155::G5
Name: ~~238930~~ MS Blank EP
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

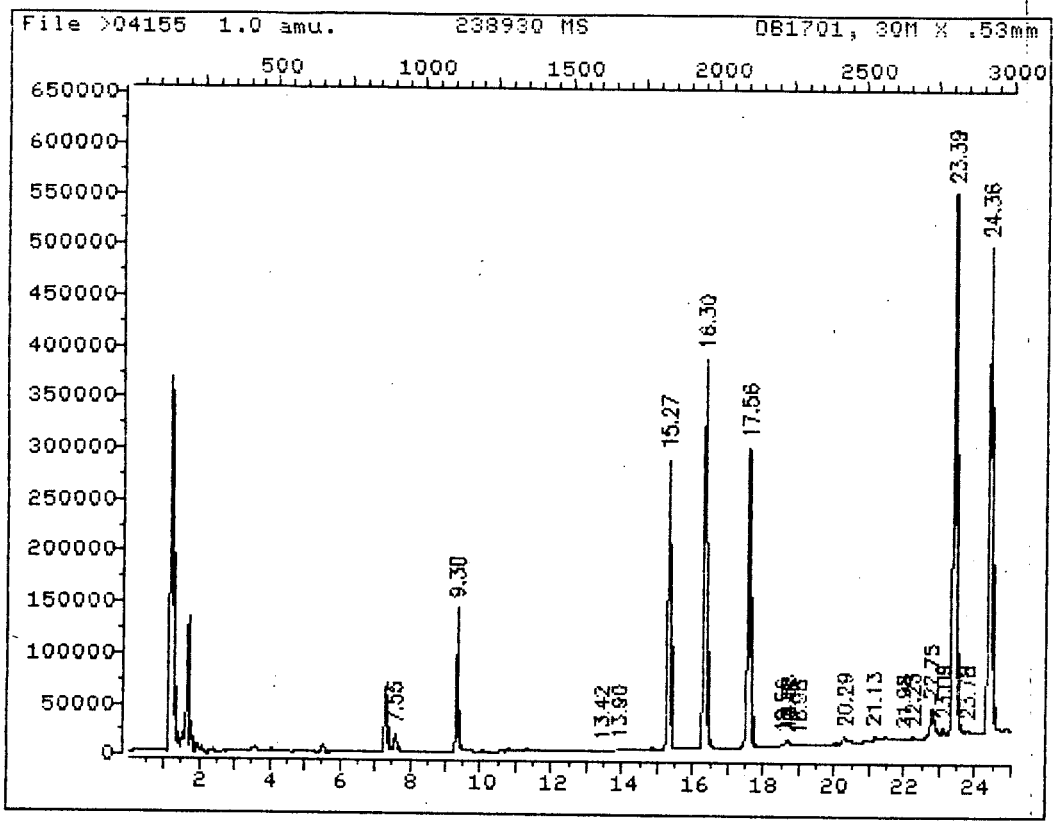
Quant Rev: 7
Quant Time: 960706 19:11
Injected at: 960706 18:20
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	775300	18.72	ng/ml	100
2)	~~#alpha-BHC~~ NT	13.42	1610	6751	.206	ng/ml	100
3)	~~#beta-BHC~~ NT	18.68	2242	48373	1.84	ng/ml	100
5)	#gamma-BHC (Lindane)	15.27	1832	1389353	40.86	ng/ml	100
6)	#Heptachlor	16.30	1956	2132236	44.96	ng/ml	100
7)	#Aldrin	17.56	2107	1616963	42.94	ng/ml	100
10)	#Dieldrin	23.39	2807	3179436	97.91	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.75	2730	287009	10.34	ng/ml	100
12)	#Endrin	24.36	2923	3005220	103.67	ng/ml	100
14)	~~#4,4'-DDD~~ NT	26.54	3185	48914	2.31	ng/ml	100
16)	#4,4'-DDT	27.42	3290	1614764	97.99	ng/ml	100
17)	~~#Methoxychlor~~ NT	30.93	3711	106706	7.93	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.93	3951	31534	1.12	ng/ml	100
19)	#Decachlorobiphenyl	38.70	4644	642579	13.76	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.23	2668	19972	.479	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.98	2637	7213	.180	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.55	906	94395	119.36	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.55	906	94395	79.27	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.90	1668	21430	19.46	ng/ml	100
28)	~~#Aroclor-1254~~(1) NP	17.56	2107	1616963	1017.83	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.78	2853	33226	14.38	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.87	3464	24318	.800	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.20	3384	57311	79.52	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	13.90	1668	21430	8.77	ng/ml	100
37)	~~#Aroclor-1016~~(5) NP	18.56	2227	21310	10.34	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.90	1668	21430	20.81	ng/ml	100
43)	~~#Aroclor-1242(2)~~ NP	13.90	1668	21430	10.79	ng/ml	100
46)	~~#Aroclor-1242~~(5) NP	17.56	2107	1616963	2043.58	ng/ml	100
48)	~~#Aroclor-1248~~(3) NP	18.56	2227	21310	8.65	ng/ml	100
49)	~~#Aroclor-1248~~(4) NP	18.98	2278	8356	4.73	ng/ml	100
50)	~~#Aroclor-1248~~(5) NP	20.29	2435	49931	52.02	ng/ml	100
51)	~~#Aroclor-1254(2)~~ NP	20.29	2435	49931	24.56	ng/ml	100
52)	~~#Aroclor-1254~~(3) NP	21.13	2535	33378	18.20	ng/ml	100
53)	~~#Aroclor-1254~~(4) NP	23.09	2771	49804	19.53	ng/ml	100
54)	~~#Aroclor-1254(5)~~ NP	23.78	2853	33226	24.50	ng/ml	100

Compound uses ESTD

EPrice
7/8/96

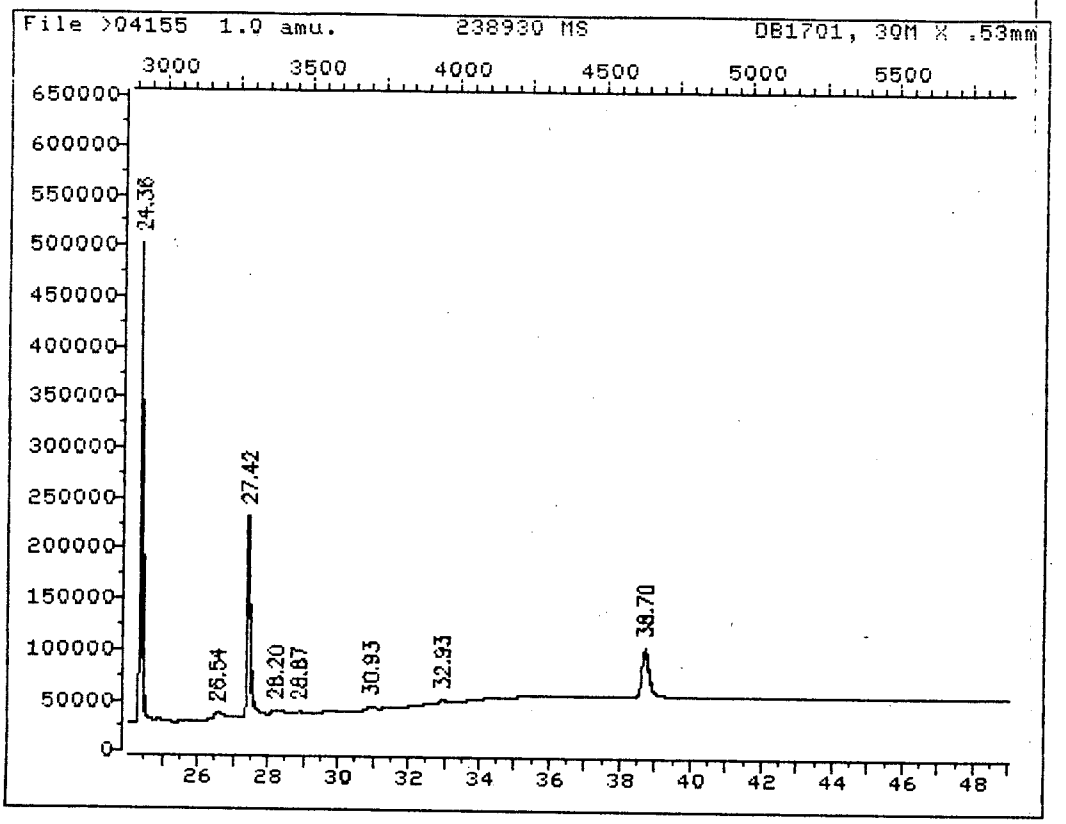


Data File: >04155::G5 Quant Output File: ^04155::F3
Name: ~~238930~~ MS Blank LB Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 19:11
Injected at: 960706 18:20

Page 1 of 2



Data File: >04155::G5 Quant Output File: ^04155::F3
Name: ~~238930~~ MS Blank Ep 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 19:11
Injected at: 960706 18:20

Page 2 of 2

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS15 MS

Lab Name: ICM Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: 238914

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03411

% Moisture: 9. decanted: (Y/N) N Date Received: 07/01/96

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

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

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.7	U
319-85-7	beta-BHC	3.7	U
319-86-8	delta-BHC	3.7	U
58-89-9	gamma-BHC (Lindane)	11.	P
76-44-8	Heptachlor	1.7	J P
309-00-2	Aldrin	69.	E P
1024-57-3	Heptachlor epoxide	3.7	U
959-98-8	Endosulfan I	3.7	U
60-57-1	Dieldrin	120.	E P
72-55-9	4,4'-DDE	7.2	U
72-20-8	Endrin	47.	P
33213-65-9	Endosulfan II	7.2	U
72-54-8	4,4'-DDD	7.2	U
1031-07-8	Endosulfan Sulfate	7.2	U
50-29-3	4,4'-DDT	47.	P
72-43-5	Methoxychlor	37.	U
53494-70-5	Endrin ketone	7.2	U
7421-93-4	Endrin aldehyde	7.2	U
5103-71-9	alpha-Chlordane	3.7	U
5103-74-2	gamma-Chlordane	3.7	U
8001-35-2	Toxaphene	370.	U
12674-11-2	Aroclor-1016	72.	U
11104-28-2	Aroclor-1221	150.	U
11141-16-5	Aroclor-1232	72.	U
53469-21-9	Aroclor-1242	72.	U
12672-29-6	Aroclor-1248	72.	U
11097-69-1	Aroclor-1254	6600.	P
11096-82-5	Aroclor-1260	72.	U

QUANT REPORT

Operator ID: TRFI2
Output File: ^03411::GQ
Data File: >03411::G2
Name: 238914S 2XDL
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960718 00:17
Injected at: 960717 23:21
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	9.06	1087	2071969	17.32	ng/ml	100
~~2) #alpha BHC~~ NT	12.45	1494	4615670	30.97	ng/ml	100
~~3) #beta BHC~~ NT	14.82	1779	3284264	40.15	ng/ml	100
~~4) #delta BHC~~ NT	16.57	1989	886043	6.89	ng/ml	100
5) #gamma-BHC (Lindane)	14.29	1715	8294850	59.86	ng/ml	100
6) #Heptachlor	15.97	1917	1827699	17.40	ng/ml	100
7) #Aldrin	17.37	2084	12552040	94.01	ng/ml	100
~~8) #Heptachlor epoxide~~ NT	19.93	2391	15159116	121.42	ng/ml	100
~~9) #Endosulfan I~~ NT	21.68	2601	2502001	23.57	ng/ml	100
10) #Dieldrin	22.96	2755	35158736M	372.70	ng/ml	
~~11) #4,4' DDE~~ NT	22.66	2719	2232518	24.18	ng/ml	100
12) #Endrin	24.78	2973	5570140	63.73	ng/ml	100
14) ~~#4,4' DDD~~ NT	25.53	3063	2918702	47.27	ng/ml	100
15) ~~#Endosulfan Sulfate~~ NT	28.39	3406	1052381	11.97	ng/ml	100
16) #4,4'-DDT	27.01	3241	35051648M	515.99	ng/ml	
17) ~~#Methoxychlor~~ NT	32.45	3894	10168904	255.60	ng/ml	100
18) ~~#Endrin ketone~~ NT	32.69	3923	2224765	23.99	ng/ml	100
19) #Decachlorobiphenyl	41.61	4993	3124374	27.02	ng/ml	100
20) ~~#alpha Chlordane~~ NT	21.41	2569	2059257	17.09	ng/ml	100
21) ~~#gamma-Chlordane~~ NT	20.78	2494	3248745	26.87	ng/ml	100
22) ~~#Toxaphene(1)~~ NP	23.82	2858	23375000	14629.31	ng/ml	100
23) ~~#Aroclor 1016(1)~~ NP	12.28	1474	1298148	454.40	ng/ml	100
24) ~~#Aroclor-1221(1)~~ NP	7.74	929	780768	908.15	ng/ml	100
25) ~~#Aroclor-1232(1)~~ NP	12.28	1474	1298148	482.32	ng/ml	100
26) ~~#Aroclor-1242(1)~~ NP	12.28	1474	1298148	534.99	ng/ml	100
27) ~~#Aroclor-1248(1)~~ NP	15.97	1917	1827699	242.61	ng/ml	100
28) ~~#Aroclor 1254(1)~~ yes EP	20.81	2497	35421312M	7119.96	ng/ml	100
30) ~~#Endrin aldehyde~~ NT	27.68	3321	14290540	176.66	ng/ml	100
31) ~~#Toxaphene(2)~~	27.68	3321	14210008	8501.20	ng/ml	100
32) ~~#Toxaphene(3)~~ NP	28.39	3406	1052381	496.17	ng/ml	100
33) ~~#Toxaphene(4)~~	30.58	3669	2753636	1409.68	ng/ml	100
34) ~~#Aroclor-1016(2)~~	14.29	1715	8294850	1428.56	ng/ml	100
35) ~~#Aroclor-1016(3)~~	15.97	1917	1827699	163.56	ng/ml	100
36) ~~#Aroclor-1016(4)~~ NP	16.76	2011	8181814	2125.40	ng/ml	100
37) ~~#Aroclor-1016(5)~~	18.89	2267	1282954	379.31	ng/ml	100
38) ~~#Aroclor-1221(2)~~ NP	11.23	1348	393239	241.98	ng/ml	100
39) ~~#Aroclor-1221(3)~~ NP	12.28	1474	1298148	350.18	ng/ml	100
40) ~~#Aroclor-1232(2)~~	14.29	1715	8294850	2954.71	ng/ml	100
41) ~~#Aroclor-1232(3)~~ NP	15.97	1917	1827699	391.61	ng/ml	100
42) ~~#Aroclor-1232(4)~~	16.76	2011	8181814	4681.61	ng/ml	100

E Price
7/23/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^03411::GQ
Data File: >03411::G2
Name: 238914S 2XDL
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7

Quant Time: 960718 00:17
Injected at: 960717 23:21
Dilution Factor: 1.00000
Instrument ID: GC03

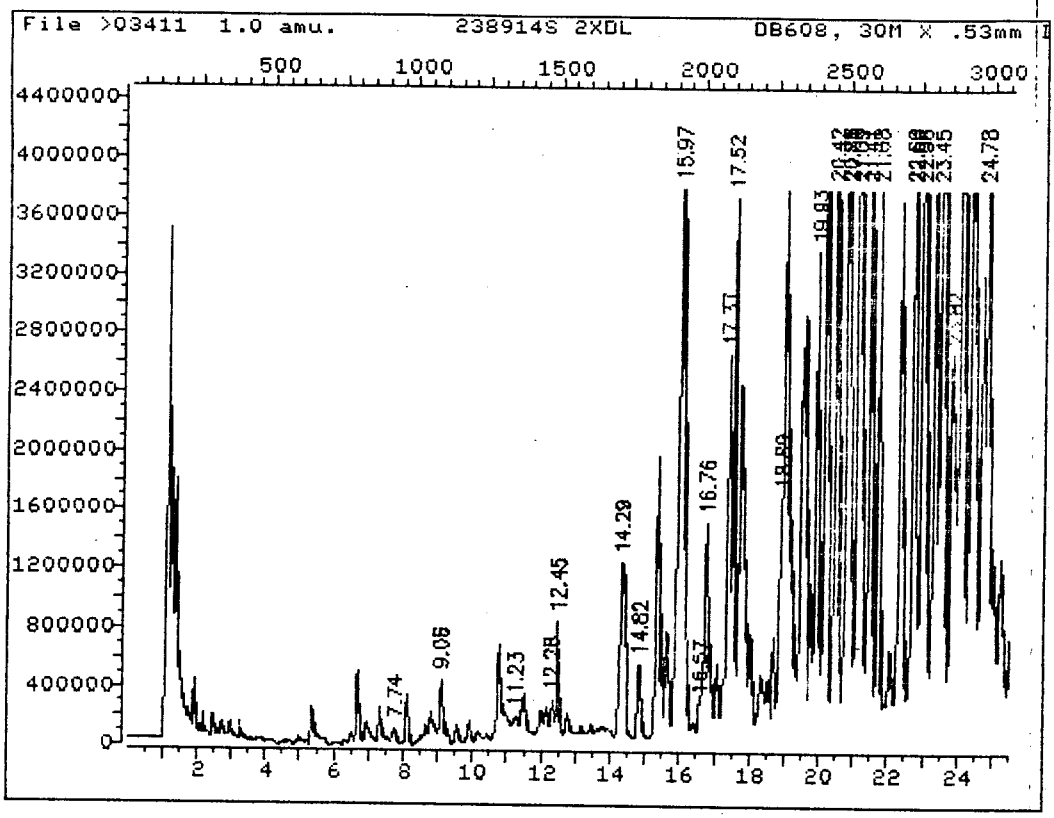
ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07

Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
43)	~~#Aroclor-1242(2)~~	14.29	1715	8294850	1791.90	ng/ml	100
44)	~~#Aroclor-1242(3)~~	15.97	1917	1827699	206.10	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.76	2011	8181814	2471.47	ng/ml	100
46)	~~#Aroclor-1242(5)~~	18.89	2267	1282954	438.58	ng/ml	100
47)	~~#Aroclor-1248(2)~~	17.52	2102	22416808	7020.68	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.89	2267	1282954	311.72	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.42	2450	2163737	526.73	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.68	2601	2502001	571.29	ng/ml	100
51)	#Aroclor-1254(2)	21.09	2531	35949752M	6126.92	ng/ml	100
52)	#Aroclor-1254(3)	22.68	2722	32427668M	17555.32	ng/ml	100
53)	#Aroclor-1254(4)	23.45	2814	39087096M	6047.92	ng/ml	100
54)	#Aroclor-1254(5)	24.78	2973	30727936M	8408.25	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.78	2973	5570140	781.86	ng/ml	100
56)	~~#Aroclor-1260(3)~~	26.48	3177	6720182	1459.82	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.09	3611	1979003	180.68	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.88	3945	21243472	4309.30	ng/ml	100

Compound uses ESTD

E Prci
7/23/96

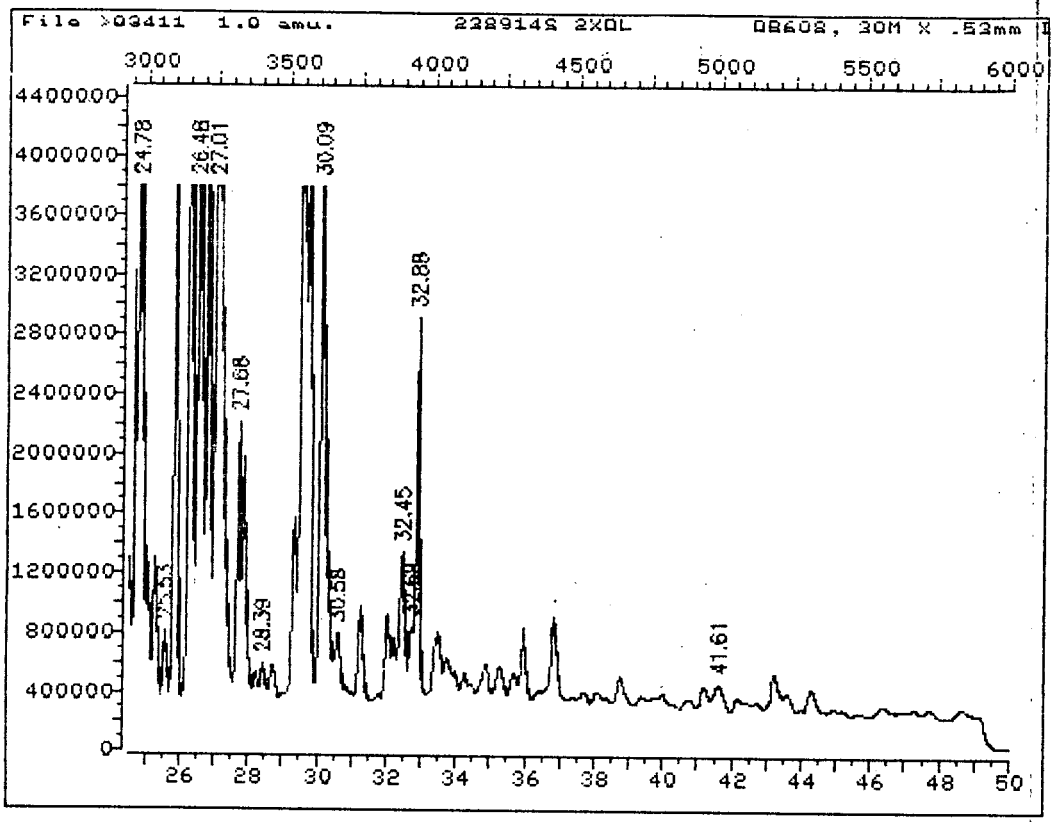


Data File: >03411::G2 Quant Output File: ^03411::GQ
Name: 238914S 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 00:17
Injected at: 960717 23:21

Page 1 of 2



Data File: >03411::G2 Quant Output File: ^03411::GQ
Name: 238914S 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 00:17
Injected at: 960717 23:21

Page 2 of 2

QUANT REPORT

Operator ID: TRFI2
Output File: ^04411::GQ
Data File: >04411::G4
Name: 238914S 2XDL
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960718 00:12
Injected at: 960717 23:21
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	1371321	33.52	ng/ml	100
2)	~~#alpha-~~BHC NT	13.53	1624	88824	2.73	ng/ml	100
3)	~~#beta-BHC~~ NT	18.53	2223	17054908	679.64	ng/ml	100
4)	~~#delta-BHC~~ NT	19.67	2360	5135876	195.82	ng/ml	100
5)	#gamma-BHC (Lindane)	15.25	1830	497631	14.63	ng/ml	100
6)	#Heptachlor	16.30	1956	109729	2.35	ng/ml	100
7)	#Aldrin	17.43	2092	13271258	354.42	ng/ml	100
8)	~~#Heptachlor epoxide~~ NT	20.62	2474	283044	6.55	ng/ml	100
9)	~~#Endosulfan~~ I NT	21.69	2603	854908	24.50	ng/ml	100
10)	#Dieldrin	23.36	2803	5345927	166.58	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.69	2723	11962698	422.45	ng/ml	100
12)	#Endrin	24.53	2943	3409256	117.41	ng/ml	100
13)	~~#Endosulfan~~ II NT	26.78	3213	2530577	73.92	ng/ml	100
14)	~~#4,4'-DDD~~ NT	26.52	3182	766898	39.90	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NT	30.50	3660	145128	5.29	ng/ml	100
16)	#4,4'-DDT	27.39	3286	1116174	63.86	ng/ml	100
17)	~~#Methoxychlor~~ NT	30.88	3705	1890830	141.26	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.88	3945	1072341	33.81	ng/ml	100
19)	#Decachlorobiphenyl	38.64	4637	1148747	25.05	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.19	2663	17360240	416.68	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.95	2634	2954185	73.73	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.06	1447	1462032	1206.94	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.54	905	159059	208.08	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.54	905	159059	144.09	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.06	1447	1462032	1423.17	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.82	1659	3736007	3634.46	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2092	13271258	8370.08	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.74	2849	27038048	10895.72	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.90	3468	1825120	56.77	ng/ml	100
31)	~~#Toxaphene(2)~~	28.39	3407	20308392	29992.13	ng/ml	100
32)	~~#Toxaphene~~(3) NP	30.50	3660	145128	269.06	ng/ml	100
33)	~~#Toxaphene(4)~~	31.67	3800	2135192	4119.65	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.82	1659	3736007	1512.44	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.95	1914	16164200	4022.39	ng/ml	100
36)	~~#Aroclor-1016~~(4) NP	16.51	1981	4362522	2937.05	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.53	2223	17054908	8728.25	ng/ml	100
38)	~~#Aroclor-1221~~(2) NP	10.96	1315	389077	596.93	ng/ml	100
39)	~~#Aroclor-1221~~(3) NP	12.06	1447	1462032	862.24	ng/ml	100
40)	~~#Aroclor-1232~~(2) NP	12.06	1447	1462032	1287.58	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.82	1659	3736007	3743.57	ng/ml	100

EPrice
7/23/96

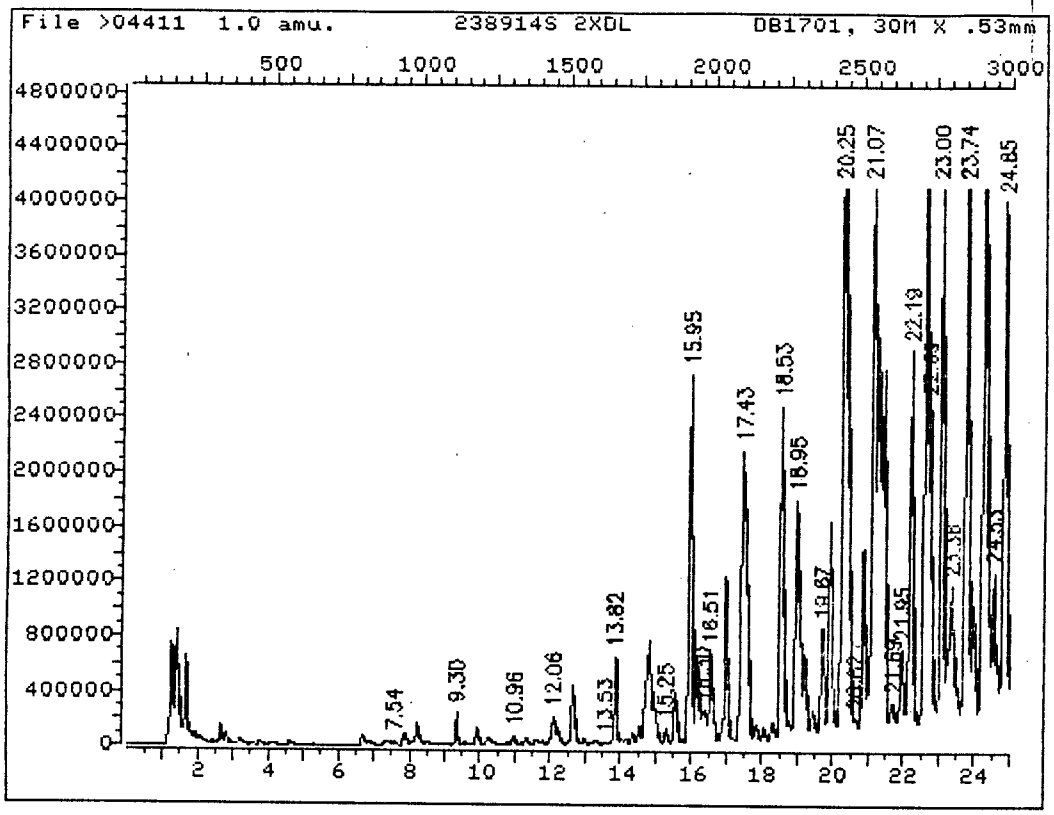
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 00:12
Output File: ^04411::GQ Injected at: 960717 23:21
Data File: >04411::G4 Dilution Factor: 1.00000
Name: 238914S 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903. 1ul INJ

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
42)	~~#Aroclor-1232~~(4) UP	15.95	1914	16164200	9928.75	ng/ml	100
43)	~~#Aroclor-1242(2~~	13.82	1659	3736007	1932.11	ng/ml	100
44)	~~#Aroclor-1242(~~3)	15.95	1914	16164200	5127.42	ng/ml	100
45)	~~#Aroclor-1242(~~4) UP	16.51	1981	4362522	3811.83	ng/ml	100
46)	~~#Aroclor-1242(5~~)	17.43	2092	13271258	15525.03	ng/ml	100
47)	~~#Aroclor-1248(2~~	15.95	1914	16164200	5984.66	ng/ml	100
48)	~~#Aroclor-1248~~(3)	18.53	2223	17054908	7046.06	ng/ml	100
49)	~~#Aroclor-1248(4~~) UP	18.95	2274	10021840	5484.12	ng/ml	100
50)	~~#Aroclor-1248(5~~)	20.25	2430	2554236	2238.99	ng/ml	100
51)	#Aroclor-1254(2)	20.25	2430	30775416M	14322.54	ng/ml	100
52)	#Aroclor-1254(3)	21.07	2528	24092724M	13110.90	ng/ml	100
53)	#Aroclor-1254(4)	23.00	2760	32981596M	12695.73	ng/ml	100
54)	#Aroclor-1254(5)	23.74	2849	27038048	19008.89	ng/ml	100
55)	~~#Aroclor-1260(2~~	24.85	2982	26304552	9214.73	ng/ml	100
56)	~~#Aroclor-1260(~~3) UP	28.39	3407	20308392	12211.39	ng/ml	100
57)	~~#Aroclor-1260(4~~)	29.99	3598	13422138	3137.80	ng/ml	100
58)	~~#Aroclor-1260(5~~)	31.97	3836	12928028	4690.25	ng/ml	100

Compound uses ESTD

EPrice
7/23/96

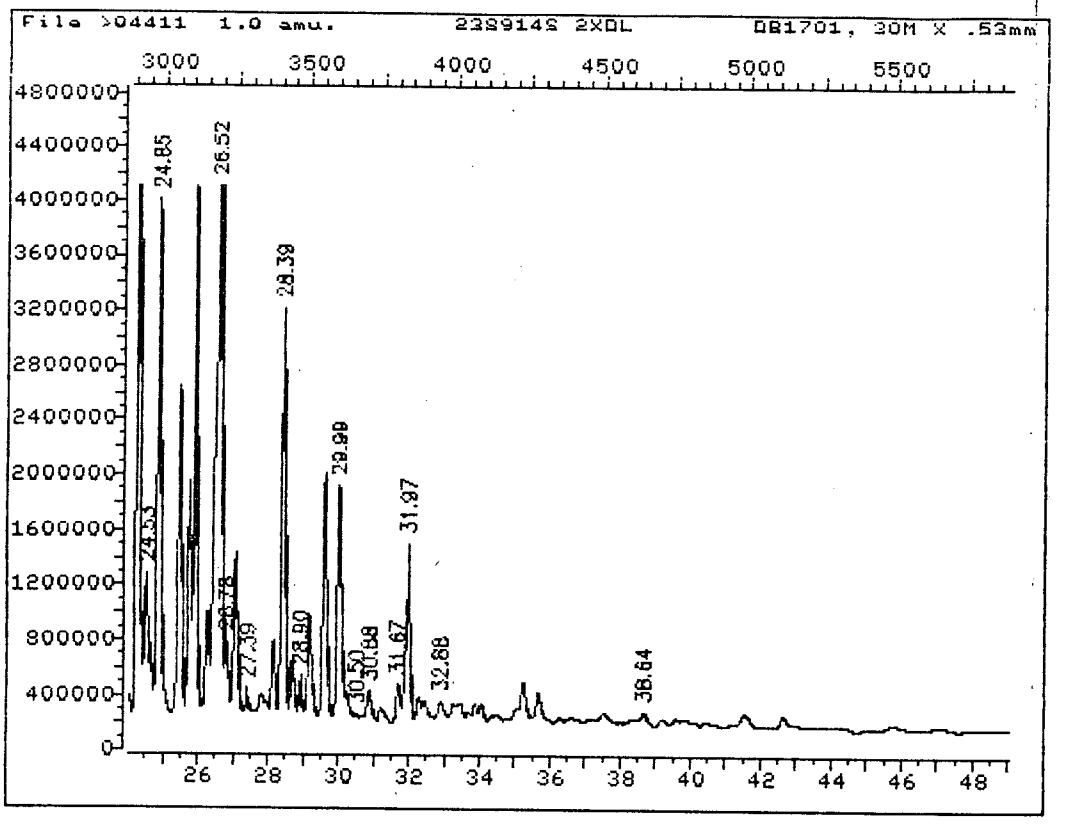


Data File: >04411::G4 Quant Output File: ^04411::GQ
Name: 238914S 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 00:12
Injected at: 960717 23:21

Page 1 of 2

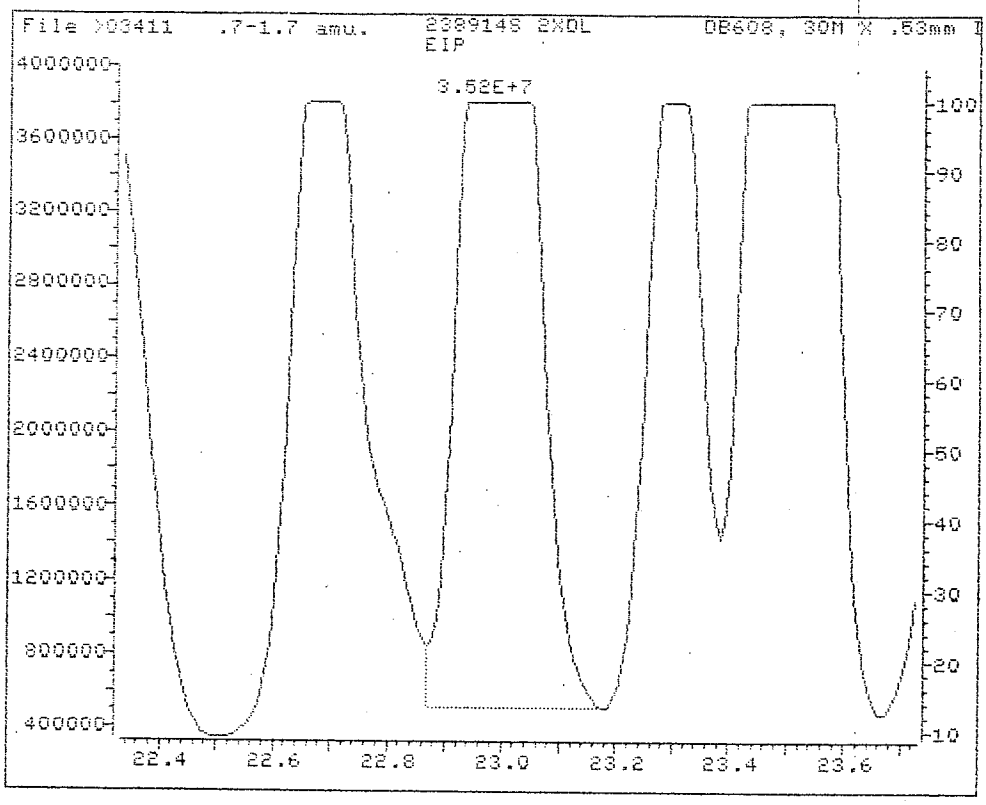


Data File: >04411::G4 Quant Output File: ^04411::GQ
Name: 238914S 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 00:12
Injected at: 960717 23:21

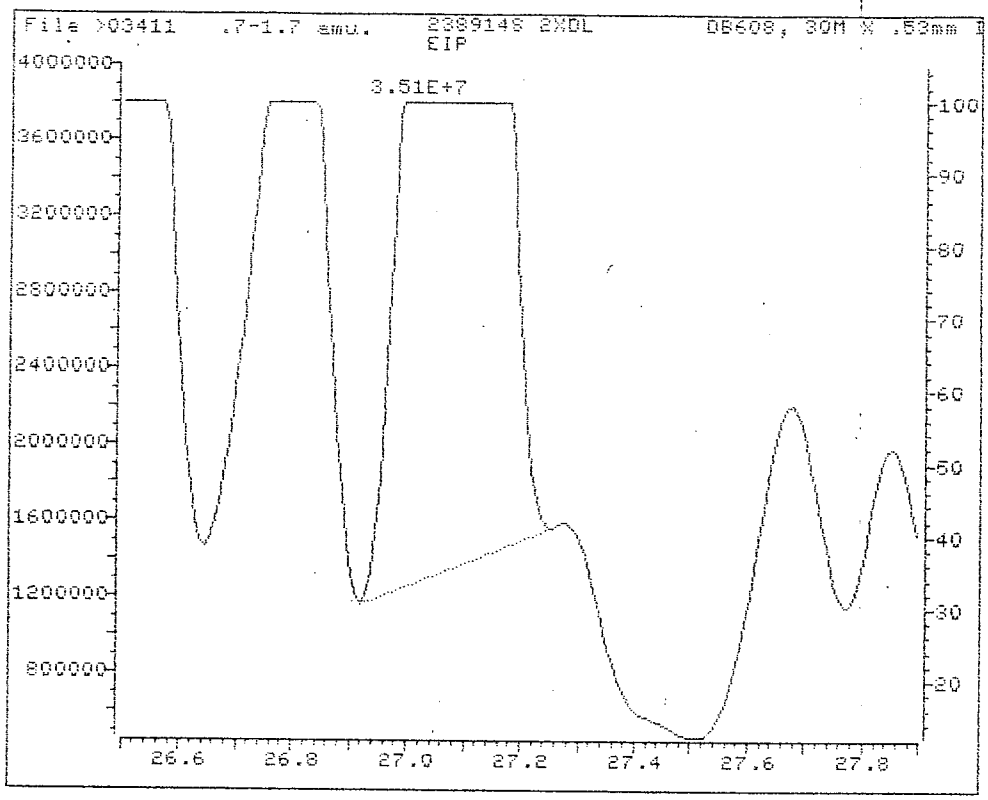
Page 2 of 2



Data File: >03411::G2 Quant Output File: ^03411::GQ
Name: 238914S 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 00:17 Quant ID File: IDCAP5::SC
Injected at: 960717 23:21 Last Calibration: 941029 10:07

Compound No: 10
Compound Name: Dieldrin
Scan Number: 2755
Retention Time: 22.96 min.
Quant Ion: 1.0
Area: 35158736M
Concentration: 372.70 ng/ml

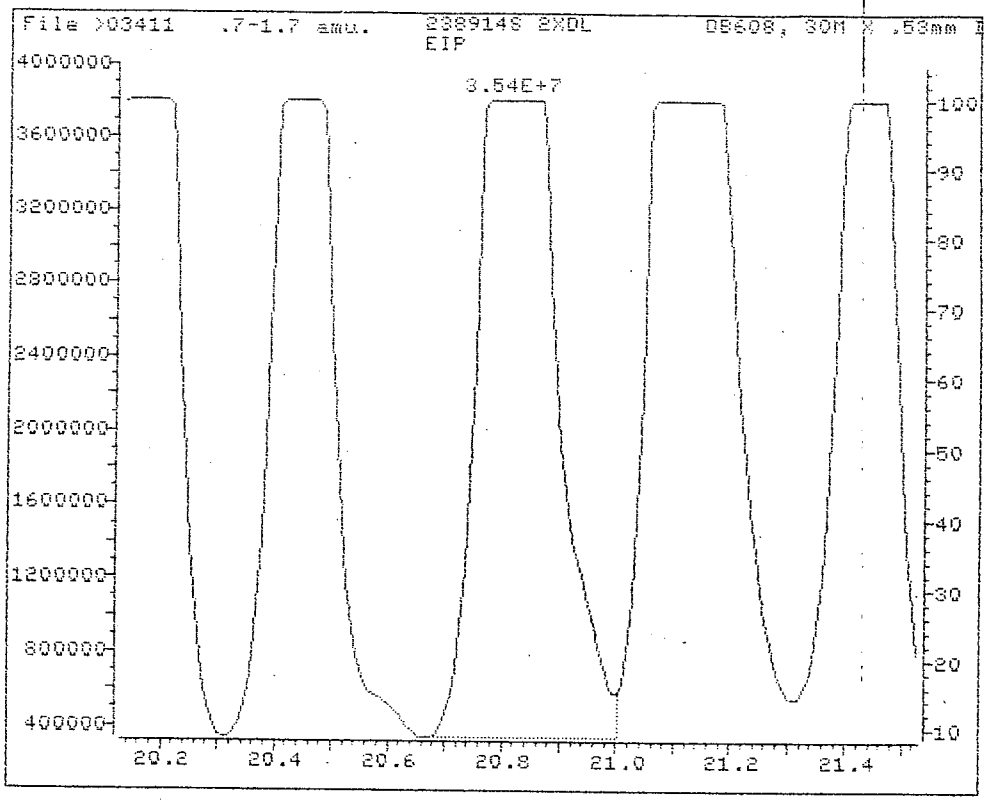
This report was produced by QAREA on: 960722 17:02



Data File: >03411::G2 Quant Output File: ^03411::GQ
Name: 2389148 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 00:17 Quant ID File: IDCAP5::SC
Injected at: 960717 23:21 Last Calibration: 941029 10:07

Compound No: 16
Compound Name: 4,4'-DDT
Scan Number: 3241
Retention Time: 27.01 min.
Quant Ion: 1.0
Area: 35051648M
Concentration: 515.99 ng/ml

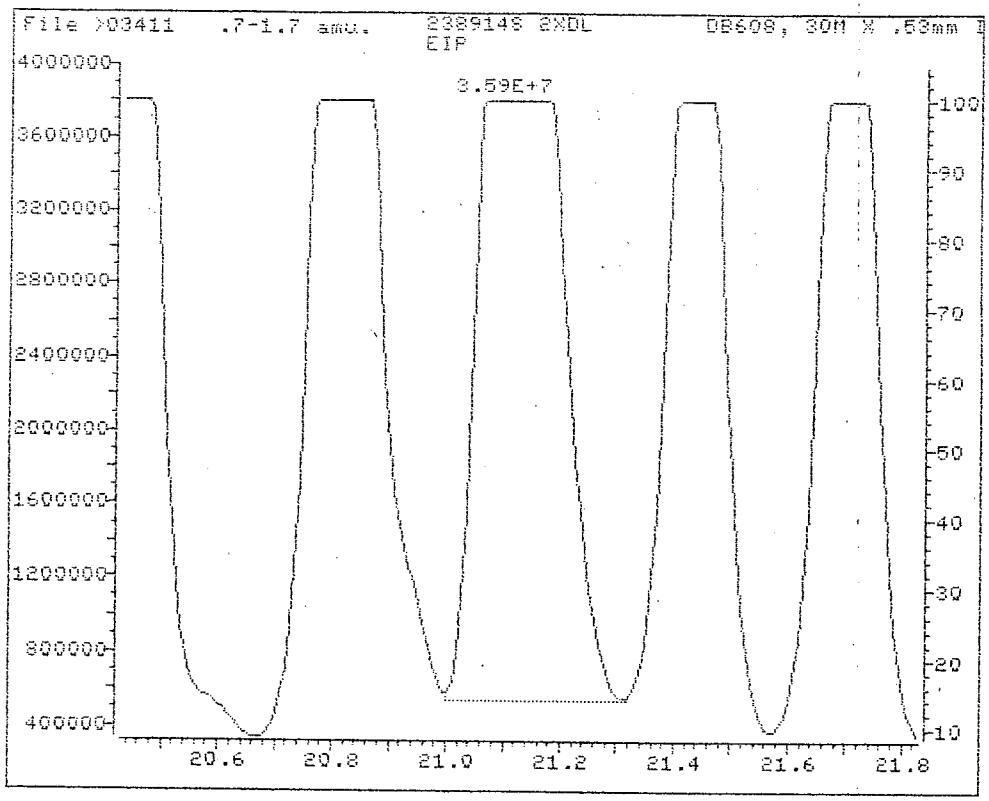
This report was produced by QAREA on: 960722 17:06



Data File: >03411::G2 Quant Output File: ^03411::GQ
Name: 238914S 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 00:17 Quant ID File: IDCAP5::SC
Injected at: 960717 23:21 Last Calibration: 941029 10:07

Compound No: 28
Compound Name: Aroclor-1254(1)
Scan Number: 2497
Retention Time: 20.81 min.
Quant Ion: 1.0
Area: 35421312M
Concentration: 7119.96 ng/ml
q-value: 100

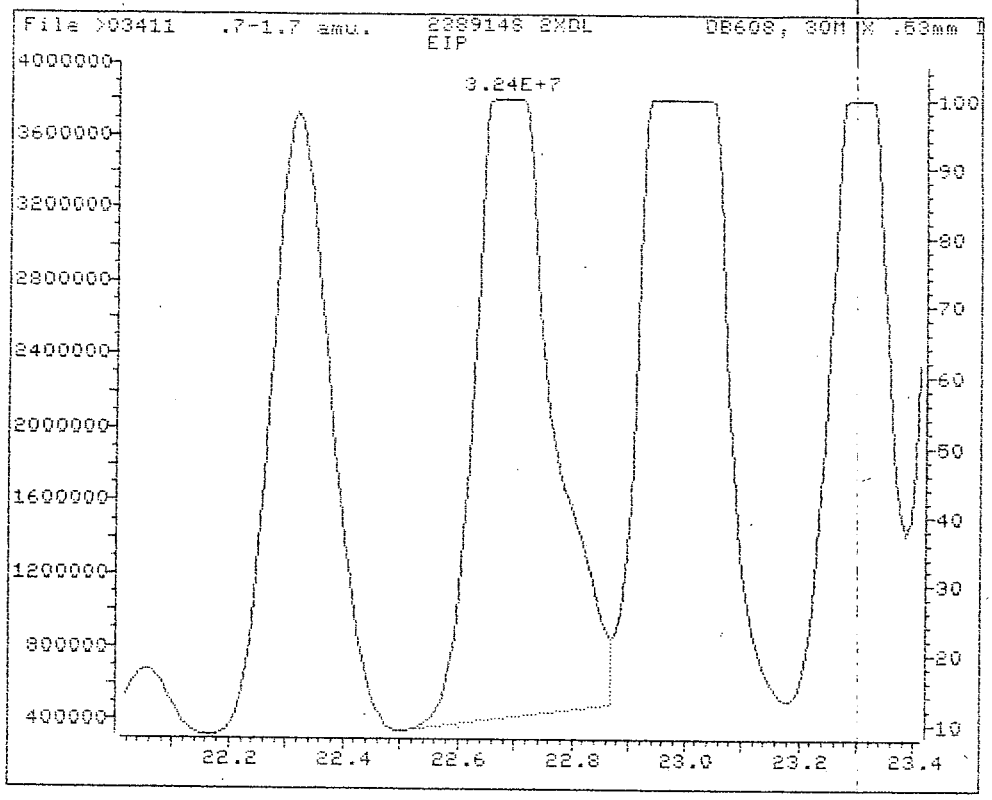
This report was produced by QAREA on: 960722 17:10



Data File: >03411::G2 Quant Output File: ^03411::GQ
Name: 2389148 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 00:17 Quant ID File: IDCAP5::SC
Injected at: 960717 23:21 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2531
Retention Time: 21.09 min.
Quant Ion: 1.0
Area: 35949752M
Concentration: 6126.92 ng/ml
q-value: 100

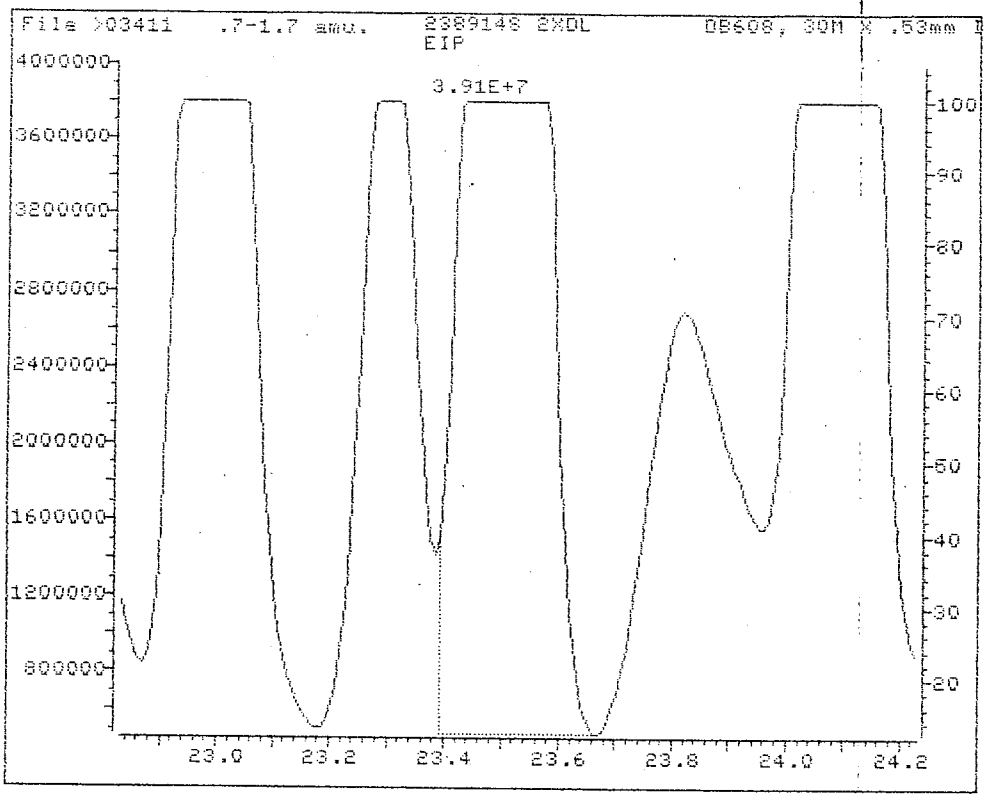
This report was produced by QAREA on: 960722 17:12



Data File: >03411::G2 Quant Output File: ^03411::GQ
Name: 238914S 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 00:17 Quant ID File: IDCAPS::SC
Injected at: 960717 23:21 Last Calibration: 941029 10:07

Compound No: 52
Compound Name: Aroclor-1254(3)
Scan Number: 2722
Retention Time: 22.68 min.
Quant Ion: 1.0
Area: 32427668M
Concentration: 17555.32 ng/ml
q-value: 100

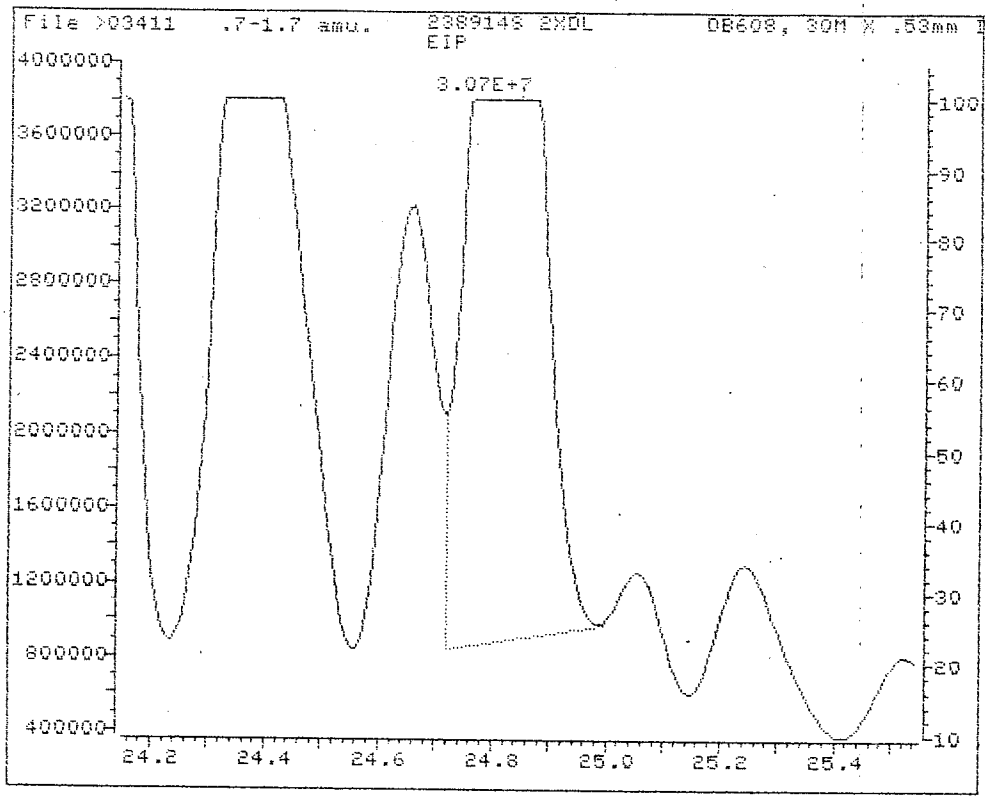
This report was produced by QAREA on: 960722 17:18



Data File: >03411::62 Quant Output File: ^03411::GQ
Name: 2389148 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 00:17 Quant ID File: IDCAP5::SC
Injected at: 960717 23:21 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2814
Retention Time: 23.45 min.
Quant Ion: 1.0
Area: 39087096M
Concentration: 6047.92 ng/ml
q-value: 100

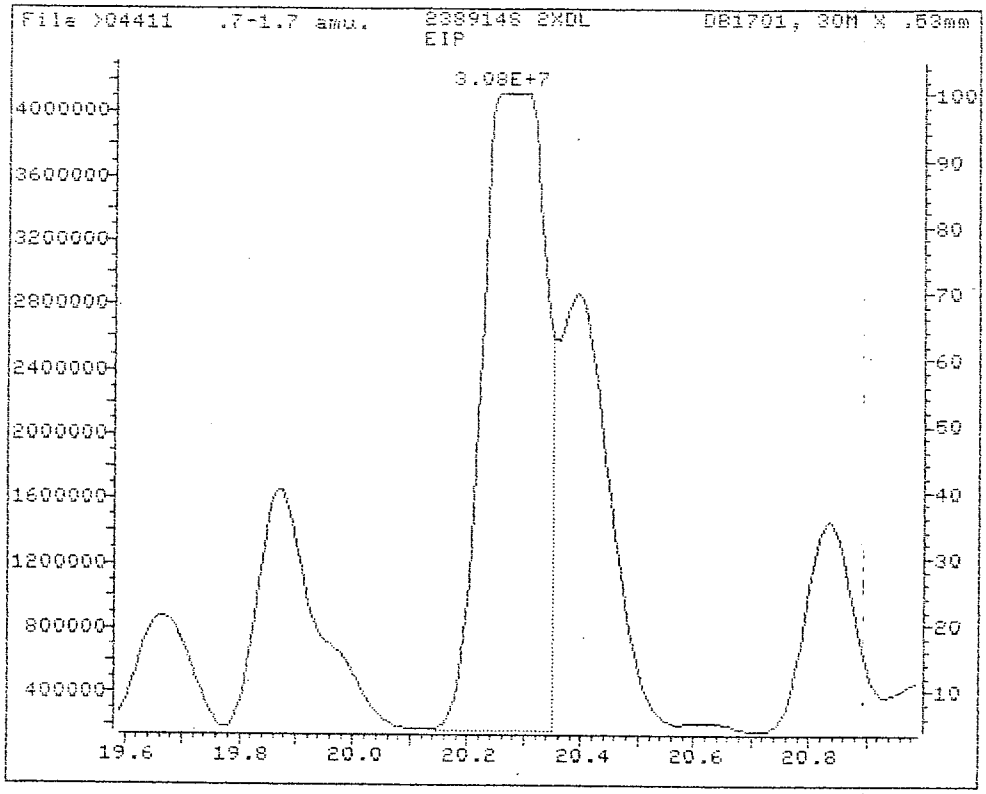
This report was produced by QAREA on: 960722 17:22



Data File: >03411::G2 Quant Output File: ^03411::GQ
Name: 2389148 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 00:17 Quant ID File: IDCAP5::SC
Injected at: 960717 23:21 Last Calibration: 941029 10:07

Compound No: 54
Compound Name: Aroclor-1254(5)
Scan Number: 2973
Retention Time: 24.78 min.
Quant Ion: 1.0
Area: 30727936M
Concentration: 8408.25 ng/ml
q-value: 100

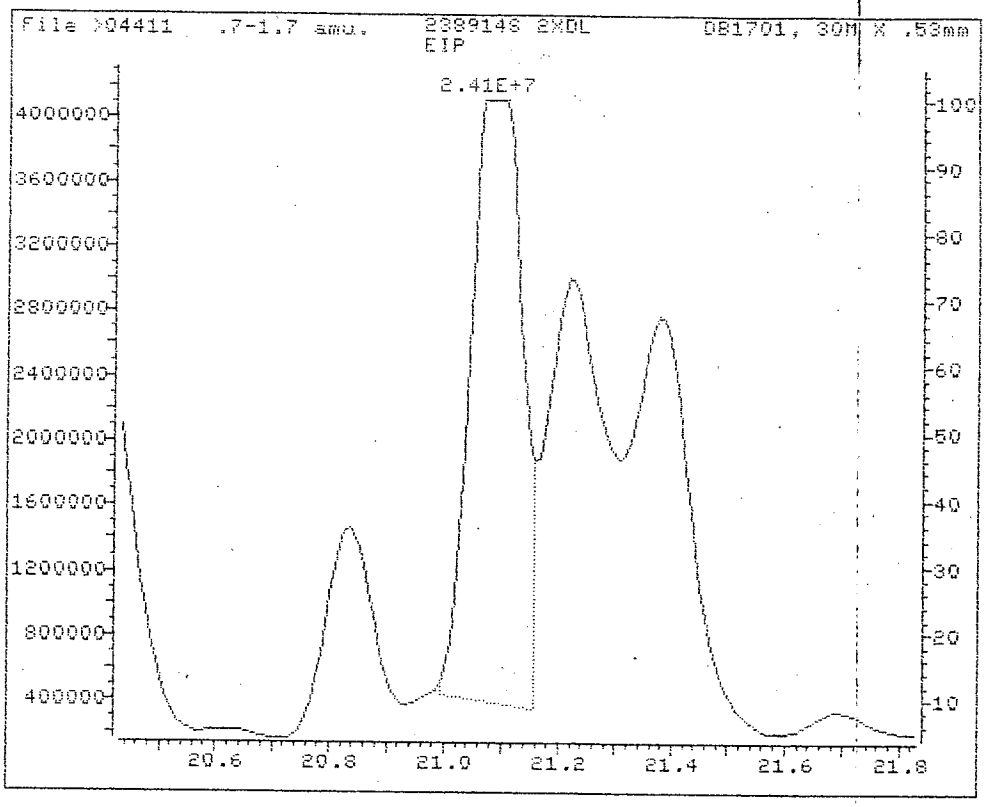
This report was produced by QAREA on: 960722 17:24



Data File: >04411::G4 Quant Output File: ^04411::GQ
Name: 2389145 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 00:12 Quant ID File: IDCAP6::SC
Injected at: 960717 23:21 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2430
Retention Time: 20.25 min.
Quant Ion: 1.0
Area: 30775416M
Concentration: 14322.54 ng/ml
q-value: 100

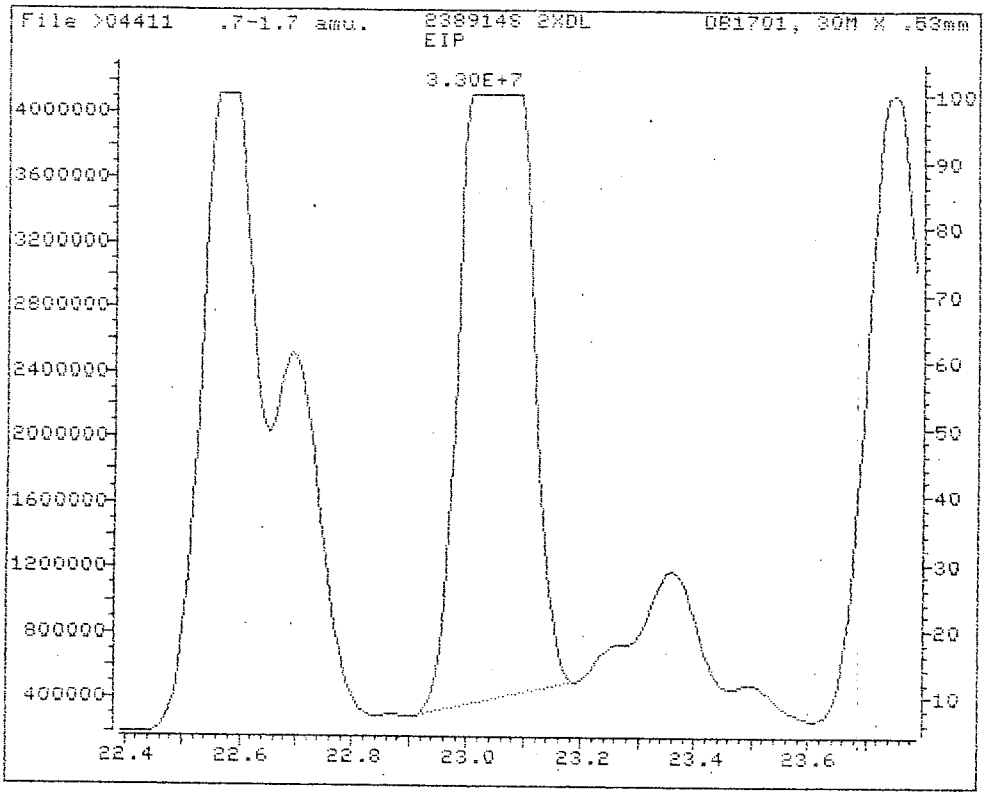
This report was produced by QAREA on: 960722 17:28



Data File: >04411::G4 Quant Output File: ^04411::GQ
Name: 238914S 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 00:12 Quant ID File: IDCAP6::SC
Injected at: 960717 23:21 Last Calibration: 941029 10:07

Compound No: 52
Compound Name: Aroclor-1254(3)
Scan Number: 2528
Retention Time: 21.07 min.
Quant Ion: 1.0
Area: 24092724M
Concentration: 13110.90 ng/ml
q-value: 100

This report was produced by QAREA on: 960722 17:31



Data File: >04411::G4 Quant Output File: ^04411::GQ
Name: 2389148 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 00:12 Quant ID File: IDCAP6::SC
Injected at: 960717 23:21 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2760
Retention Time: 23.00 min.
Quant Ion: 1.0
Area: 32981596M
Concentration: 12695.73 ng/ml
q-value: 100

This report was produced by QAREA on: 960722 17:34

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S15 MS

Lab Name: ICM Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: 238913

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03413

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

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

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	35.	U
319-85-7	beta-BHC	35.	U
319-86-8	delta-BHC	35.	U
58-89-9	gamma-BHC (Lindane)	9.6	J P
76-44-8	Heptachlor	16.	J P
309-00-2	Aldrin	150.	P
1024-57-3	Heptachlor epoxide	35.	U
959-98-8	Endosulfan I	35.	U
60-57-1	Dieldrin	350.	P
72-55-9	4,4'-DDE	68.	U
72-20-8	Endrin	1300.	E P
33213-65-9	Endosulfan II	68.	U
72-54-8	4,4'-DDD	68.	U
1031-07-8	Endosulfan Sulfate	68.	U
50-29-3	4,4'-DDT	82.	P
72-43-5	Methoxychlor	350.	U
53494-70-5	Endrin ketone	68.	U
7421-93-4	Endrin aldehyde	68.	U
5103-71-9	alpha-Chlordane	35.	U
5103-74-2	gamma-Chlordane	35.	U
8001-35-2	Toxaphene	3500.	U
12674-11-2	Aroclor-1016	680.	U
11104-28-2	Aroclor-1221	1400.	U
11141-16-5	Aroclor-1232	680.	U
53469-21-9	Aroclor-1242	680.	U
12672-29-6	Aroclor-1248	680.	U
11097-69-1	Aroclor-1254	29000.	
11096-82-5	Aroclor-1260	680.	U

QUANT REPORT

Operator ID: TRFI2
Output File: ^03413::GQ
Data File: >03413::G2
Name: 238913S 20XDL
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960718 02:03
Injected at: 960718 01:10
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	374591	3.13	ng/ml	100
2)	#~~alpha-BHC~~ NT	12.46	1495	736744	4.94	ng/ml	100
3)	#~~beta-BHC~~ NT	14.82	1779	679870	8.31	ng/ml	100
4)	#~~delta-BHC~~ NT	16.57	1989	154424	1.20	ng/ml	100
5)	#gamma-BHC (Lindane)	14.29	1715	2582962	18.64	ng/ml	100
6)	#Heptachlor	16.02	1922	9937524	94.59	ng/ml	100
7)	#Aldrin	17.38	2085	2863765	21.45	ng/ml	100
8)	#~~Heptachlor epox~~ide NT	19.93	2392	4293363	34.39	ng/ml	100
9)	#~~Endosulfan~~ I NT	21.71	2605	7398925	69.71	ng/ml	100
10)	#Dieldrin	22.99	2759	16323212	173.03	ng/ml	100
11)	#~~4,4' DDE~~ NT	22.69	2723	10518096	113.91	ng/ml	100
12)	#Endrin	24.83	2979	16167526	184.97	ng/ml	100
13)	#~~Endosulfan~~ II NT	25.86	3103	6616342	66.86	ng/ml	100
14)	#~~4,4'-DDD~~ NT DDT #10	25.53	3063	609115	9.86	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NT	28.39	3407	389076	4.42	ng/ml	100
17)	#~~Methoxychlor~~ NT	32.46	3895	1971642	49.56	ng/ml	100
18)	#~~Endrin ketone~~ NT	32.68	3921	505370	5.45	ng/ml	100
20)	#~~alpha-Chlordane~~ NT	21.44	2573	9418072	78.16	ng/ml	100
21)	#~~gamma-Chlordane~~ NT	20.83	2499	14632826	121.02	ng/ml	100
22)	#~~Toxaphene~~(1) NP	23.83	2860	6413856	4014.13	ng/ml	100
23)	#~~Aroclor-1016~~(1) NP	12.29	1475	234798	82.19	ng/ml	100
24)	#~~Aroclor-1221~~(1) NP	8.07	968	39789	46.28	ng/ml	100
25)	#~~Aroclor-1232~~(1) NP	12.29	1475	234798	87.24	ng/ml	100
26)	#~~Aroclor-1242~~(1) NP	12.29	1475	234798	96.76	ng/ml	100
27)	#~~Aroclor-1248~~(1) NP	16.02	1922	9777924	1297.92	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2499	14632826	2941.31	ng/ml	100
29)	#~~Aroclor-1260~~(1) NP	24.38	2925	12446808	1944.25	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	27.69	3322	3965939	49.03	ng/ml	100
31)	#~~Toxaphene(2)~~ NP	27.69	3322	3941465	2358.00	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.39	3407	389076	183.44	ng/ml	100
34)	#~~Aroclor-1016(2)~~	14.29	1715	2572032	442.96	ng/ml	100
35)	#~~Aroclor-1016(3)~~	16.02	1922	9777924	875.00	ng/ml	100
36)	#~~Aroclor-1016(4)~~ NP	16.77	2012	1325773	344.40	ng/ml	100
37)	#~~Aroclor-1016(5)~~	19.00	2280	8437382	2494.55	ng/ml	100
38)	#~~Aroclor-1221(2)~~	11.24	1349	192924	118.72	ng/ml	100
39)	#~~Aroclor-1221(3)~~ NP	12.29	1475	234798	63.34	ng/ml	100
40)	#~~Aroclor-1232(2)~~	14.29	1715	2572032	916.18	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	16.02	1922	9777924	2095.06	ng/ml	100
42)	#~~Aroclor-1232(4)~~	16.77	2012	1325773	758.60	ng/ml	100
43)	#~~Aroclor-1242(2)~~ NP	14.29	1715	2572032	555.63	ng/ml	100

EPrice 7/23/96

16) DDT 27.09 3251 28281892M 416.33 ng/ml

1385

JWM 7/24/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 02:03
Output File: ^03413::GQ Injected at: 960718 01:10
Data File: >03413::G2 Dilution Factor: 1.00000
Name: 238913S 20XDL Instrument ID: GC03
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

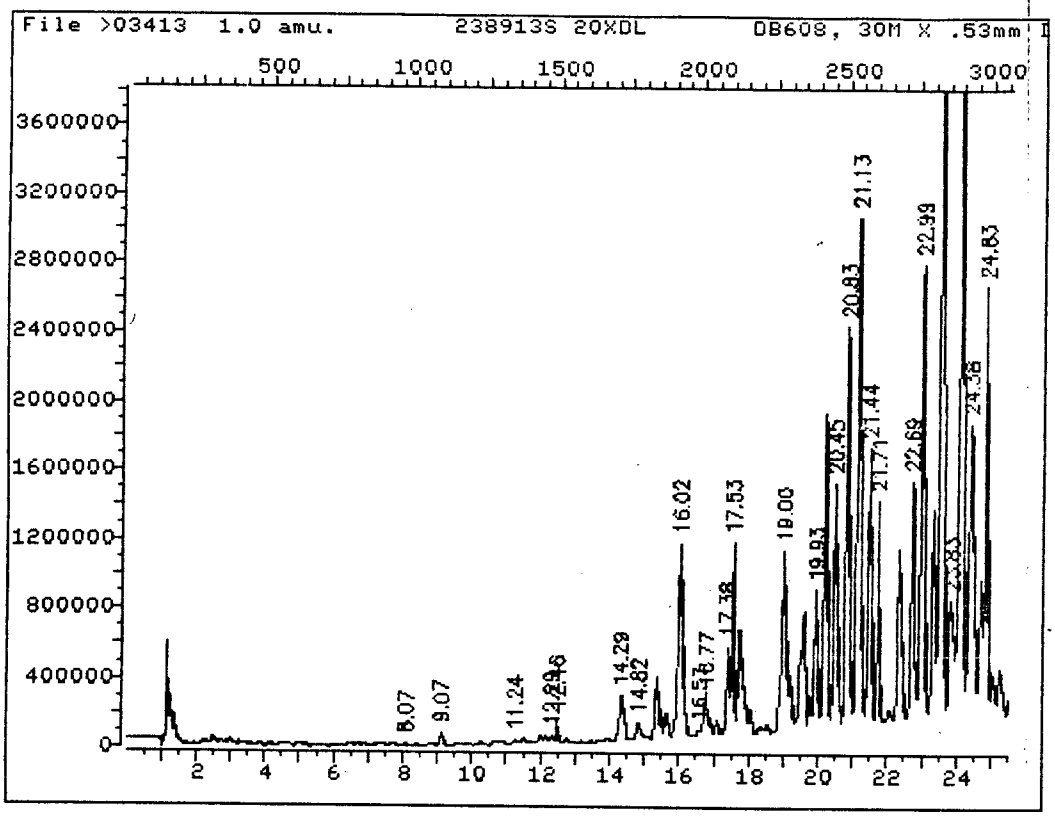
ID File: IDCAP5::SC
Title: Capillary Column DB 608
Last Calibration: 941029 10:07 Last Qcal Time: 960713 22:00

	Compound	R.T.	Scan#	Area	Conc	Units	q
44)	~~#Aroclor-1242(3)~~	16.02	1922	9777924	1102.63	ng/ml	100
45)	~~#Aroclor-1242(4)~~ NP	16.77	2012	1325773	400.48	ng/ml	100
46)	~~#Aroclor-1242(5)~~	19.00	2280	8437382	2884.31	ng/ml	100
47)	~~#Aroclor-1248(2)~~	17.53	2103	6848533	2144.88	ng/ml	100
48)	~~#Aroclor-1248(3)~~	19.00	2280	8437382	2050.06	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	20.45	2454	8614542	2097.08	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.71	2605	7398925	1689.43	ng/ml	100
51)	#Aroclor-1254(2)	21.13	2535	19746128	3365.33	ng/ml	100
52)	#Aroclor-1254(3)	22.69	2723	10518096	5694.17	ng/ml	100
54)	#Aroclor-1254(5)	24.83	2979	16167526	4424.00	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.83	2979	16167526	2269.38	ng/ml	100
56)	~~#Aroclor-1260(3)~~	26.53	3183	12153066	2640.00	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.13	3615	8404196	767.31	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.89	3946	5399788	1095.36	ng/ml	100

Compound uses ESTD

E Price
7/23/96

53) Aroclor-1254 (4) 25.50 2820 29608496 M 4581.3 ng/ml
7/24/96

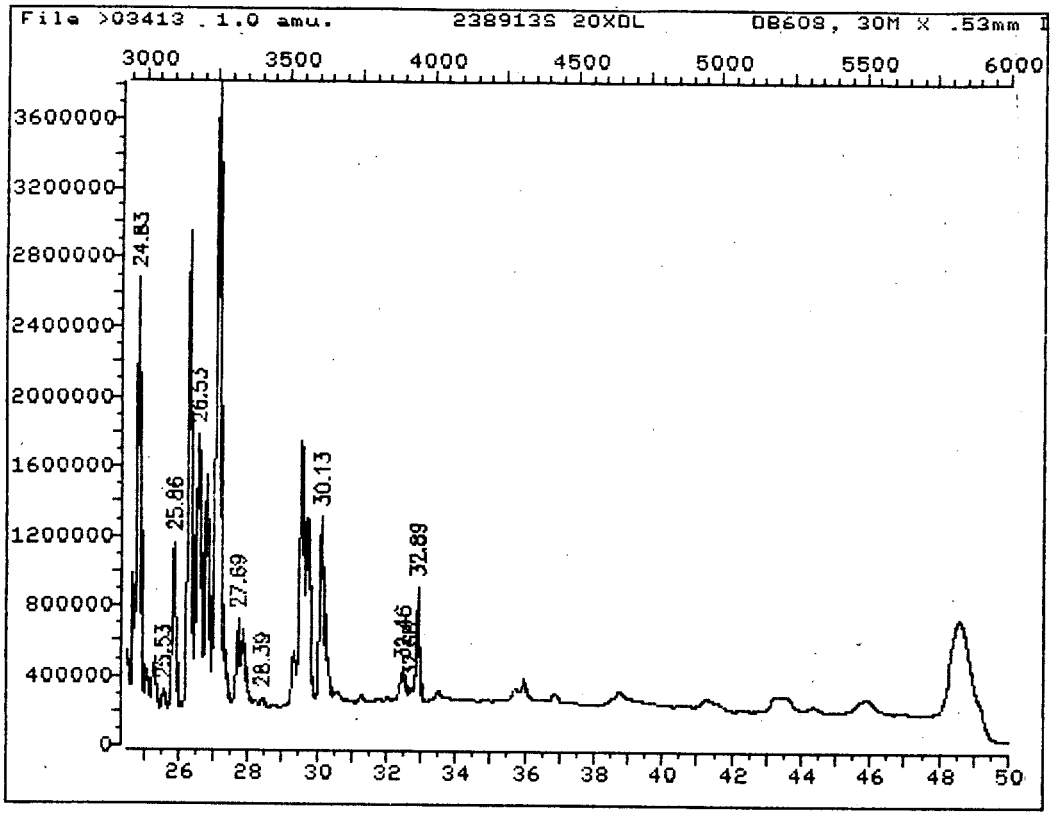


Data File: >03413::G2 Quant Output File: ^03413::GQ
Name: 238913S 20XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 02:03
Injected at: 960718 01:10

Page 1 of 2

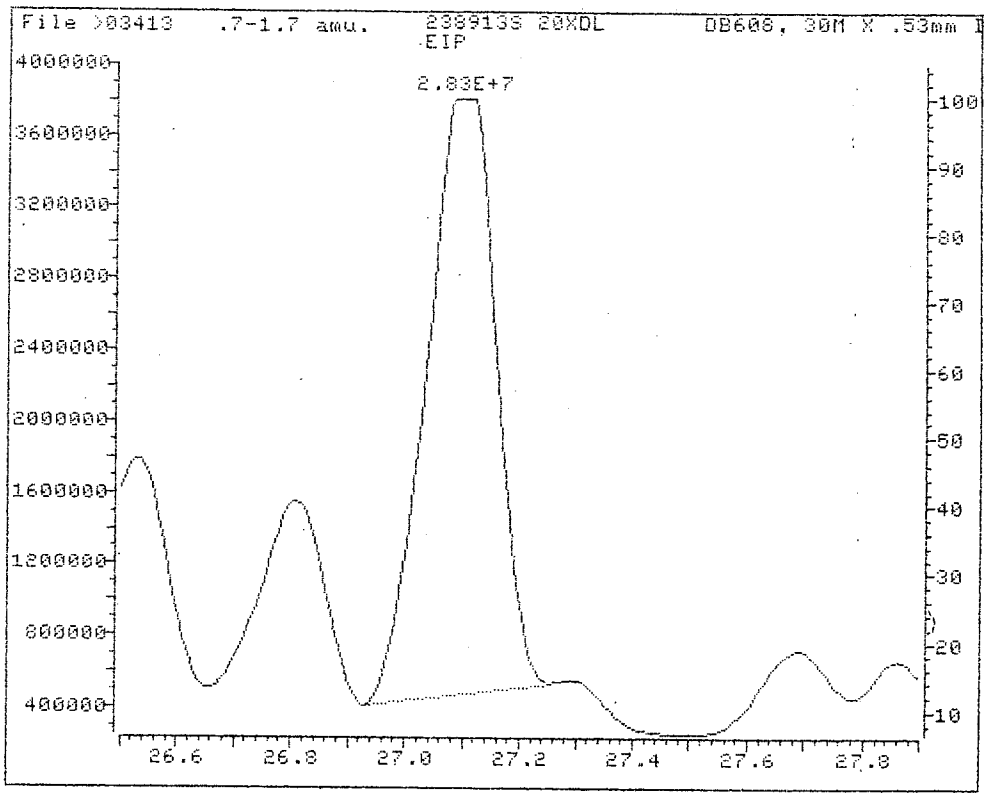


Data File: >03413::G2 Quant Output File: ^03413::GQ
Name: 238913S 20XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 02:03
Injected at: 960718 01:10

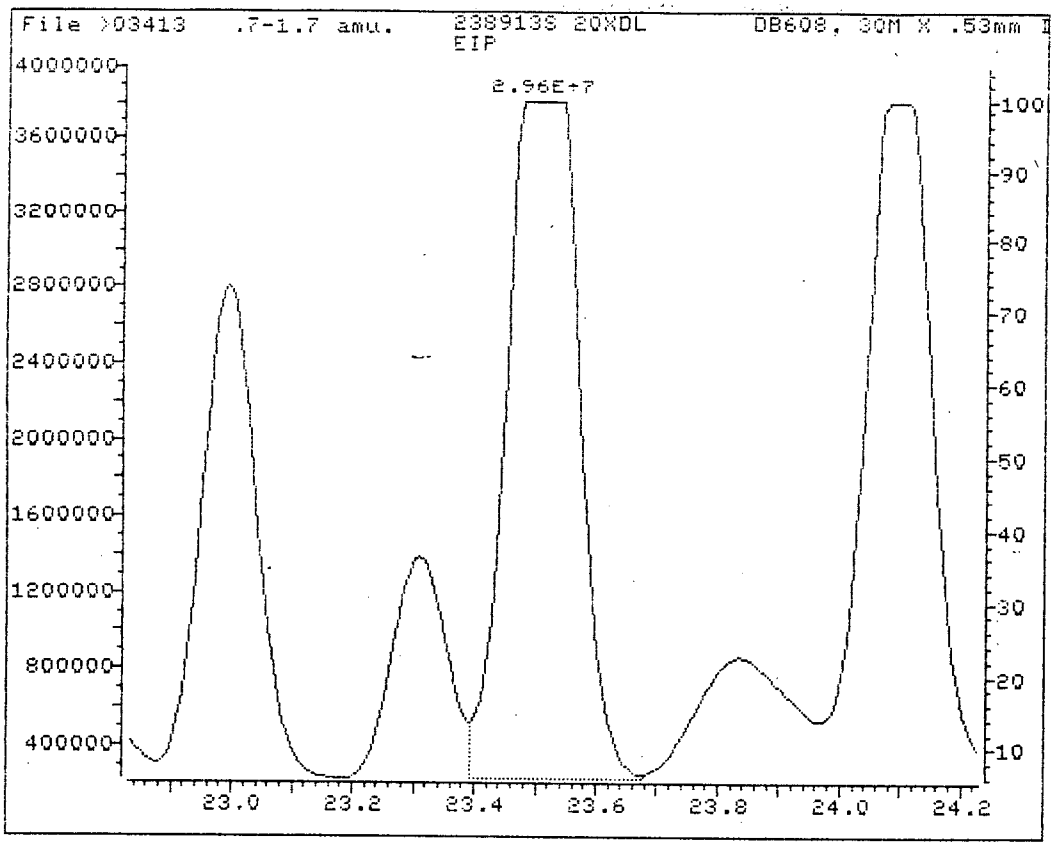
Page 2 of 2



Data File: >03413::G2 Quant Output File: ^03413::GQ
Name: 238913S 20XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 02:03 Quant ID File: IDCAP5::SC
Injected at: 960718 01:10 Last Calibration: 941029 10:07

Compound No: 16
Compound Name: 4,4'-DDT
Scan Number: 3251
Retention Time: 27.09 min.
Quant Ion: 1.0
Area: 28281892M
Concentration: 416.33 ng/ml

This report was produced by QAREA on: 960726 07:25



Data File: >03413::G2 Quant Output File: ^03413::GQ
Name: 238913S 20XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 02:03 Quant ID File: IDCAP5::SC
Injected at: 960718 01:10 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2820
Retention Time: 23.50 min.
Quant Ion: 1.0
Area: 29608496M
Concentration: 4581.30 ng/ml

This report was produced by QAREA on: 960725 14:53

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 02:01
Output File: ^04413::GQ Injected at: 960718 01:10
Data File: >04413::G4 Dilution Factor: 1.00000
Name: 238913S 20XDL Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.30	1116	159030	3.89	ng/ml	100
2)	#~~alpha-BHC~~ NT	13.28	1594	45067	1.38	ng/ml	100
3)	#~~beta-BHC~~ NT	18.54	2225	4197665	167.28	ng/ml	100
4)	#~~delta-BHC~~ NT	19.66	2359	735849	28.06	ng/ml	100
5)	#gamma-BHC (Lindane)	15.26	1831	47272	1.39	ng/ml	100
6)	#Heptachlor	16.38	1966	105537	2.26	ng/ml	100
7)	#Aldrin	17.43	2092	6362488	169.91	ng/ml	100
9)	#~~Endosulfan~~ I NT	21.73	2607	135547	3.88	ng/ml	100
10)	#Dieldrin	23.37	2804	1616594	50.37	ng/ml	100
11)	#~~4,4'-DDE~~ NT	22.70	2724	3466277	122.41	ng/ml	100
12)	#Endrin	24.23	2908	13294436	457.83	ng/ml	100
13)	#~~Endosulfan I~~I NT	26.79	3214	742744	21.70	ng/ml	100
14)	#~~4,4'-DD~~D NT	26.58	3189	18279216	950.94	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NT	30.54	3665	20008	.729	ng/ml	100
16)	#4,4'-DDT	27.40	3288	207426	11.87	ng/ml	100
17)	#~~Methoxy~~chlor NT	30.91	3709	115021	8.59	ng/ml	100
20)	#~~alpha-Chlordane~~ NT	22.20	2664	5069077	121.67	ng/ml	100
21)	#~~gamma-Chlordane~~ NT	21.96	2635	791446	19.75	ng/ml	100
23)	#~~Aroclor-1016(1)~~ NP	12.07	1448	197189	162.78	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	7.54	905	57814	75.63	ng/ml	100
25)	#~~Aroclor-1232(1)~~ NP	7.54	905	57814	52.37	ng/ml	100
26)	#~~Aroclor-1242(1)~~ NP	12.07	1448	197189	191.95	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	13.83	1660	818864	796.61	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2092	6361558	4012.18	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	23.75	2850	8249046	3324.18	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	28.91	3469	564602	17.56	ng/ml	100
31)	#~~Toxaphene(2)~~	28.40	3408	5893981	8704.43	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	30.54	3665	17637	32.70	ng/ml	100
33)	#~~Toxaphene(4)~~	31.67	3800	277064	534.57	ng/ml	100
34)	#~~Aroclor-1016(2)~~	13.83	1660	818864	331.50	ng/ml	100
35)	#~~Aroclor-1016(3)~~ NP	15.96	1915	3634193	904.35	ng/ml	100
36)	#~~Aroclor-1016(4)~~	16.52	1982	714844	481.27	ng/ml	100
37)	#~~Aroclor-1016(5)~~	18.54	2225	4197665	2148.25	ng/ml	100
38)	#~~Aroclor-1221(2)~~	11.05	1326	39810	61.08	ng/ml	100
39)	#~~Aroclor-1221(3)~~ NP	12.07	1448	197189	116.29	ng/ml	100
40)	#~~Aroclor-1232(2)~~	12.07	1448	197189	173.66	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	13.83	1660	818864	820.52	ng/ml	100
42)	#~~Aroclor-1232(4)~~	15.96	1915	3634193	2232.28	ng/ml	100
43)	#~~Aroclor-1242(2)~~ NP	13.83	1660	818864	423.48	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	15.96	1915	3634193	1152.80	ng/ml	100

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7/23/96

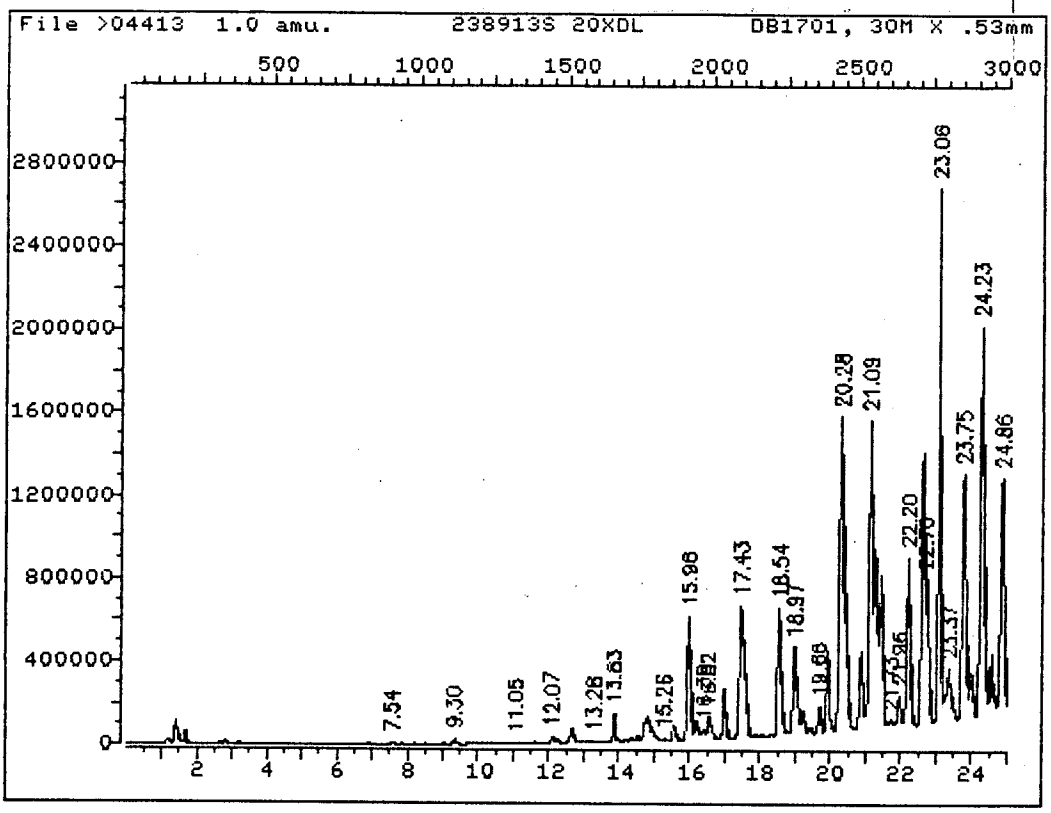
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 02:01
Output File: ^04413::GQ Injected at: 960718 01:10
Data File: >04413::G4 Dilution Factor: 1.00000
Name: 238913S 20XDL Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
45)	~~#Aroclor-1242(4)~~ UP	16.52	1982	714844	624.61	ng/ml	100
46)	~~#Aroclor-1242(5)~~ UP	17.43	2092	6361558	7441.90	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.96	1915	3634193	1345.53	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.54	2225	4197665	1734.22	ng/ml	100
49)	~~#Aroclor-1248(4)~~ UP	18.97	2276	3013502	1649.04	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.28	2434	10090846	8845.41	ng/ml	100
51)	#Aroclor-1254(2)	20.28	2434	10090846	4696.17	ng/ml	100
52)	#Aroclor-1254(3)	21.09	2531	8862072	4822.61	ng/ml	100
53)	#Aroclor-1254(4)	23.06	2767	16135946	6211.27	ng/ml	100
54)	#Aroclor-1254(5)	23.75	2850	8249046	5799.43	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.86	2983	8107797	2840.24	ng/ml	100
56)	~~#Aroclor-1260(3)~~	28.40	3408	5899671	3547.46	ng/ml	100
57)	~~#Aroclor-1260(4)~~ UP	30.00	3600	3579258	836.75	ng/ml	100
58)	~~#Aroclor-1260(5)~~	31.99	3838	2915704	1057.81	ng/ml	100

Compound uses ESTD

EPrui
7/23/96

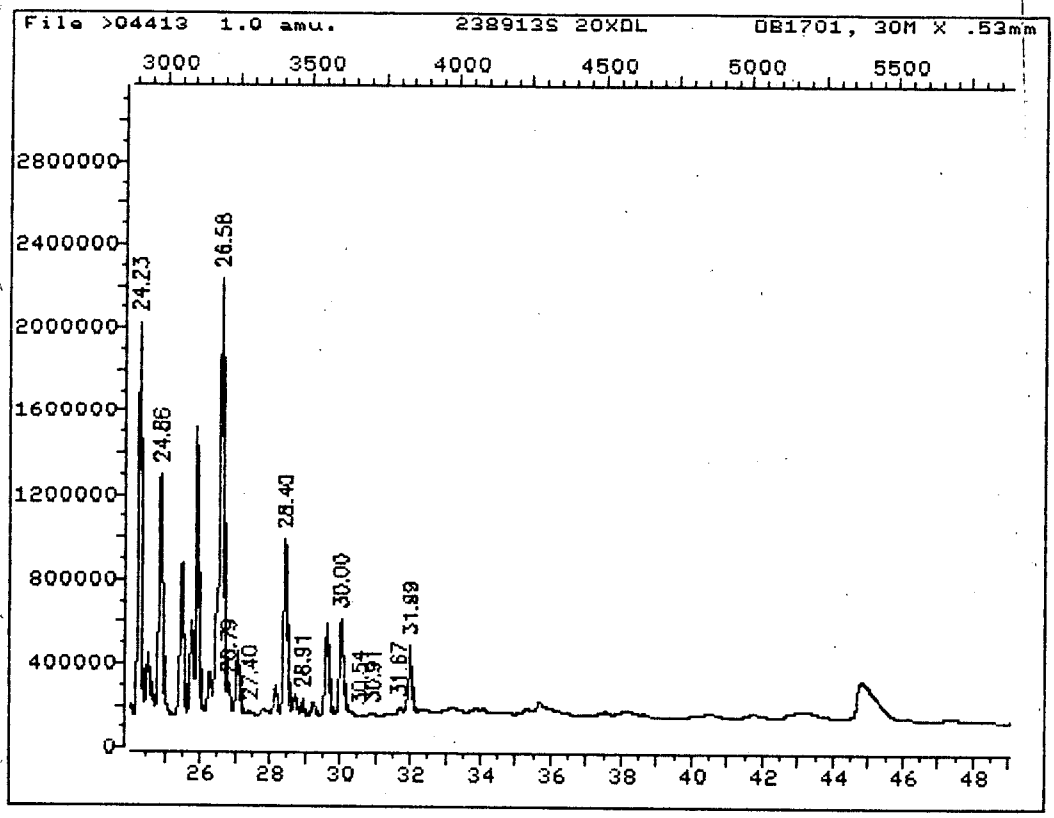


Data File: >04413::G4 Quant Output File: ^04413::GQ
Name: 238913S 20XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 02:01
Injected at: 960718 01:10

Page 1 of 2



Data File: >04413::G4 Quant Output File: ^04413::GQ
Name: 238913S 20XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 02:01
Injected at: 960718 01:10

Page 2 of 2

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN2BMSD

Lab Name: ICM Contract:

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

Matrix: (soil/water) WATER Lab Sample ID: 238930

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03156

% 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)	.40	
76-44-8	Heptachlor	.44	P
309-00-2	Aldrin	.38	
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.97	
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	1.0	
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	.95	
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: ^03156::F3
Data File: >03156::G3
Name: ~~238930~~ MSD Blank EP
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 20:10
Injected at: 960706 19:17
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	2304589	18.42	ng/ml	100
4)	#~~delta-BH~~C NT	16.32	1958	6125	.0507	ng/ml	100
5)	#gamma-BHC (Lindane)	14.35	1722	5404045	39.55	ng/ml	100
6)	#Heptachlor	15.85	1902	4439745	56.90	ng/ml	100
7)	#Aldrin	17.35	2082	5116702	37.97	ng/ml	100
8)	#~~Heptachlor epoxi~~de NT	20.21	2425	94793	.863	ng/ml	100
9)	#~~Endosulfan I~~ NT	21.73	2608	165025	1.35	ng/ml	100
10)	#Dieldrin	23.03	2763	9214324	97.45	ng/ml	100
11)	#~~4,4' DDE~~NT	22.82	2738	597341	6.53	ng/ml	100
12)	#Endrin	24.82	2978	8625428	100.77	ng/ml	100
13)	#~~Endosulfan I~~I NT	25.89	3106	11072	.115	ng/ml	100
14)	#~~4,4'-DDD~~ NT	25.61	3073	56814	.986	ng/ml	100
15)	#~~Endosulfan Sulfa~~te NT	28.32	3398	251712	2.84	ng/ml	100
16)	#4,4'-DDT	27.20	3264	6166737	95.14	ng/ml	100
18)	#~~Endrin ketone~~NT	32.76	3931	90485	1.01	ng/ml	100
19)	#Decachlorobiphenyl	41.66	4999	1754638	14.66	ng/ml	100
20)	#~~alpha Chlordane~~ NT	21.45	2574	72228	.526	ng/ml	100
21)	#~~gamma Chlordane~~ NT	20.83	2500	132117	1.12	ng/ml	100
22)	#~~Toxaphene~~(1) NP	23.53	2824	156958	97.87	ng/ml	100
24)	#~~Aroclor-1221(~~1) NP	7.99	959	8040	9.48	ng/ml	100
27)	#~~Aroclor-1248~~(1) NP	15.85	1902	4439745	586.71	ng/ml	100
28)	#~~Aroclor-1254~~(1) NP	20.83	2500	130610	27.55	ng/ml	100
29)	#~~Aroclor-1260(~~1) NP	24.39	2927	71540	9.23	ng/ml	100
30)	#~~Endrin aldehyde~~ NT	27.60	3312	144939	1.84	ng/ml	100
31)	#~~Toxaphene(~~2) NP	27.60	3312	144939	78.76	ng/ml	100
32)	#~~Toxaphene(3)~~ NP	28.32	3398	251712	100.71	ng/ml	100
34)	#~~Aroclor-1016(2~~) NP	14.35	1722	5404045	826.69	ng/ml	100
35)	#~~Aroclor-1016~~(3) NP	15.85	1902	4439745	401.94	ng/ml	100
37)	#~~Aroclor-1016(5~~) NP	19.01	2281	56371	16.59	ng/ml	100
40)	#~~Aroclor-1232(~~2) NP	14.35	1722	5404045	1914.94	ng/ml	100
41)	#~~Aroclor-1232~~(3) NP	15.85	1902	4439745	943.70	ng/ml	100
43)	#~~Aroclor-1242(~~2) NP	14.35	1722	5404045	1004.03	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	15.85	1902	4439745	498.10	ng/ml	100
46)	#~~Aroclor-1242(5~~) NP	19.01	2281	56371	18.86	ng/ml	100
47)	#~~Aroclor-1248~~(2) NP	17.69	2123	156719	60.08	ng/ml	100
48)	#~~Aroclor-1248~~(3) NP	19.01	2281	56371	13.57	ng/ml	100
49)	#~~Aroclor-1248~~(4) NP	20.47	2456	30293	6.25	ng/ml	100
50)	#~~Aroclor-1248~~(5) NP	21.73	2608	165025	29.93	ng/ml	100
51)	#~~Aroclor-1254(~~2) NP	21.13	2536	141250	25.49	ng/ml	100
52)	#~~Aroclor-1254~~(3) NP	22.82	2738	579966	359.69	ng/ml	100

EPrice 7/8/96

QUANT REPORT

Operator ID: TRFIL
Output File: ^03156::F3
Data File: >03156::G3
Name: ~~238930~~ MSD Blank
Disc: DB608. 30M X .53mm INST 58903. 1ul INJ

Quant Rev: 7
Quant Time: 960706 20:10
Injected at: 960706 19:17
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
53) ~~#Aroclor-1254(~~4) NP	23.53	2824	156958	25.85	ng/ml	100
54) ~~#Aroclor-1254(~~5) NP	24.82	2978	8625428	2405.56	ng/ml	100
55) ~~#Aroclor-1260(~~2) NP	24.82	2978	8625428	1231.43	ng/ml	100
56) ~~#Aroclor-1260(~~3) NP	26.56	3187	126037	24.14	ng/ml	100
57) ~~#Aroclor-1260(~~4) NP	30.18	3621	12377	1.15	ng/ml	100
58) ~~#Aroclor-1260(~~5) NP	32.76	3931	96243	17.43	ng/ml	100

Compound uses ESTD

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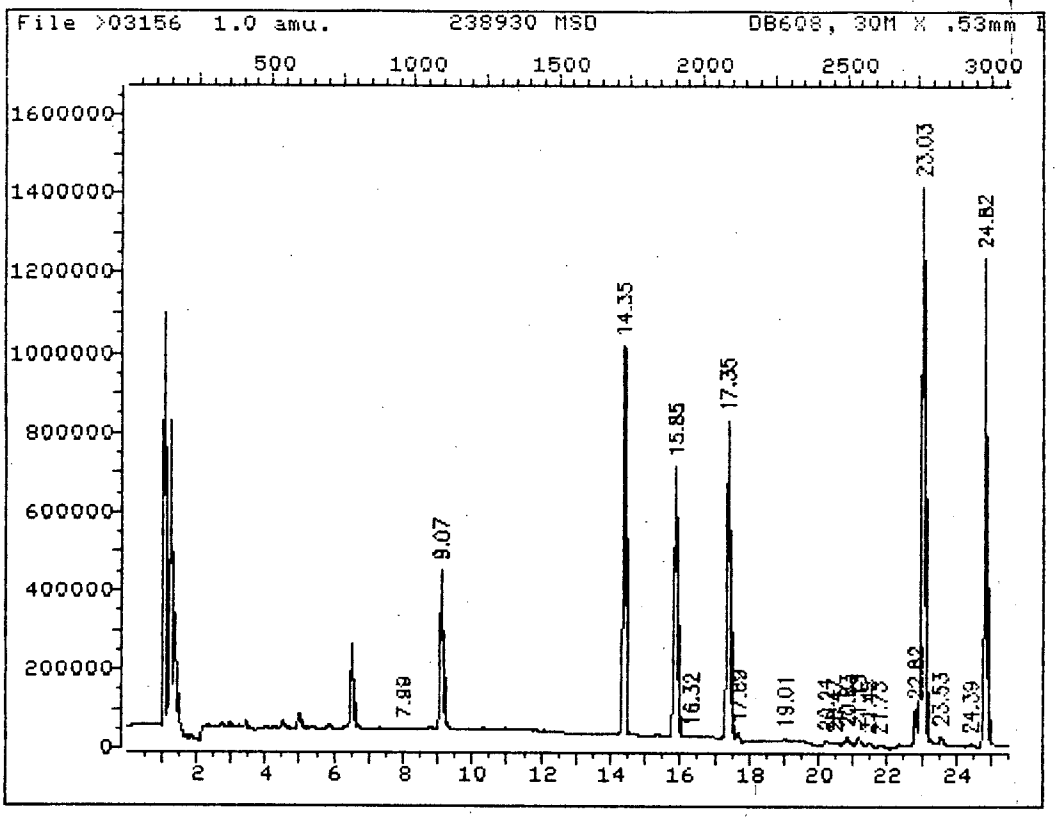
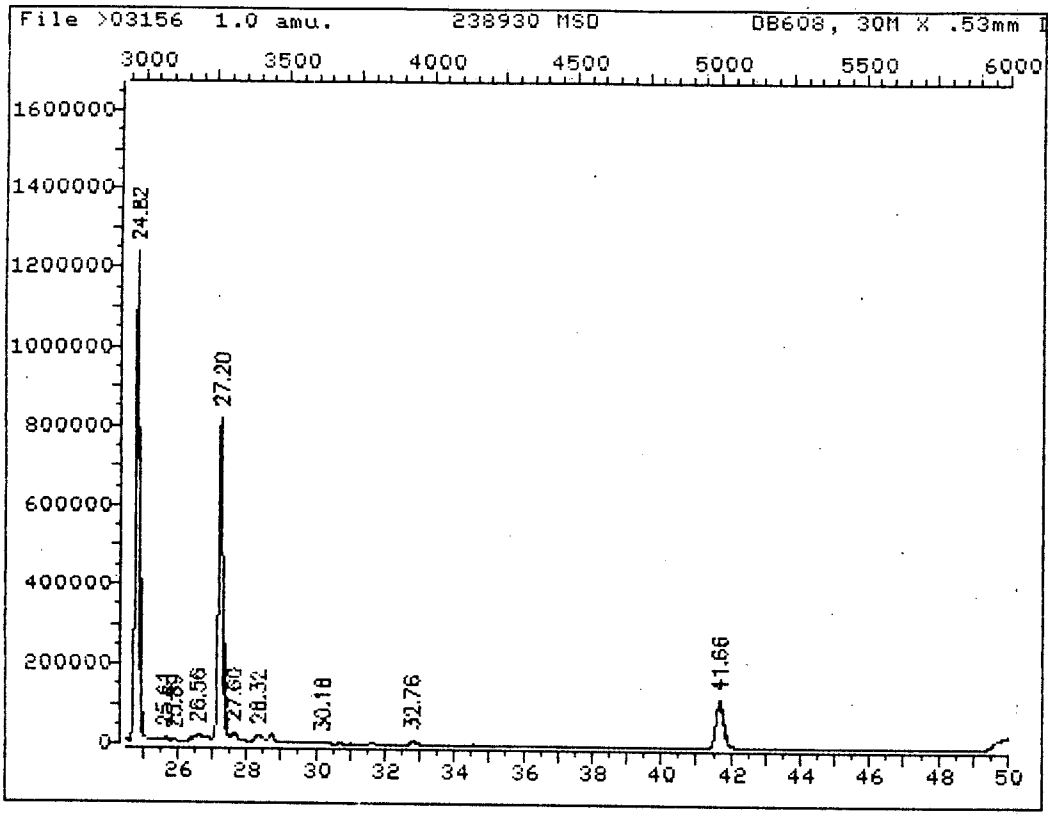


Data File: >03156::G3 Quant Output File: ^03156::F3
Name: ~~238930~~ MSD Blank Ep Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960706 20:10
Injected at: 960706 19:17

Page 1 of 2



Data File: >03156::G3 Quant Output File: ^03156::F3
Name: ~~238930~~ MSD Blank EP Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960706 20:10
Injected at: 960706 19:17

Page 2 of 2

QUANT REPORT

Operator ID: TRFIL
Output File: ^04156::F3
Data File: >04156::G5
Name: ~~238930~~ MSD Blank EP
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960706 20:08
Injected at: 960706 19:17
Dilution Factor: 1.00000
Instrument ID: GC04

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

Compound	R.T.	Scan#	Area	Conc	Units	q
1) #Tetrachloro-m-xylene	9.30	1116	765400	18.48	ng/ml	100
2) #~~alpha-BHC~~ NT	13.42	1610	6473	.198	ng/ml	100
3) #~~beta-BHC~~ NT	18.68	2242	46259	1.76	ng/ml	100
5) #gamma-BHC (Lindane)	15.27	1832	1407721	41.40	ng/ml	100
6) #Heptachlor	16.30	1956	2095824	44.19	ng/ml	100
7) #Aldrin	17.56	2107	1568127	41.64	ng/ml	100
10) #Dieldrin	23.39	2807	3213247	98.95	ng/ml	100
11) ~~#4,4'-DDE~~ NT	22.75	2730	281448	10.14	ng/ml	100
12) #Endrin	24.35	2922	3029139	104.50	ng/ml	100
14) ~~#4,4'-DDD~~ NT	26.54	3184	128693	6.09	ng/ml	100
16) #4,4'-DDT	27.42	3290	1632835	99.08	ng/ml	100
17) ~~#Methoxychlor~~ NT	30.93	3711	114253	8.49	ng/ml	100
18) ~~#Endrin ketone~~ NT	32.93	3951	32999	1.17	ng/ml	100
19) #Decachlorobiphenyl	38.69	4643	667549	14.29	ng/ml	100
20) ~~#alpha-Chlordane~~ NT	22.23	2667	20737	.497	ng/ml	100
21) ~~#gamma-Chlordane~~ NT	21.98	2637	7461	.187	ng/ml	100
24) ~~#Aroclor-1221(1)~~ NP	7.55	906	100193	126.69	ng/ml	100
25) ~~#Aroclor-1232(1)~~ NP	7.55	906	100193	84.14	ng/ml	100
27) ~~#Aroclor-1248(1)~~ NP	13.90	1668	5851	5.31	ng/ml	100
28) ~~#Aroclor-1254(1)~~ NP	17.56	2107	1568127	987.09	ng/ml	100
29) ~~#Aroclor-1260(1)~~ NP	23.78	2853	29087	12.59	ng/ml	100
30) ~~#Endrin aldehyde~~ NT	28.86	3463	30414	1.00	ng/ml	100
31) ~~#Toxaphene(2)~~ NP	28.21	3385	56959	79.03	ng/ml	100
33) ~~#Toxaphene(4)~~ NP	31.85	3822	6265	12.49	ng/ml	100
34) ~~#Aroclor-1016(2)~~ NP	13.90	1668	5851	2.39	ng/ml	100
37) ~~#Aroclor-1016(5)~~ NP	18.56	2227	23176	11.25	ng/ml	100
41) ~~#Aroclor-1232(3)~~ NP	13.90	1668	5851	5.68	ng/ml	100
43) ~~#Aroclor-1242(2)~~ NP	13.90	1668	5851	2.95	ng/ml	100
46) ~~#Aroclor-1242(5)~~ NP	17.56	2107	1568127	1981.86	ng/ml	100
48) ~~#Aroclor-1248(3)~~ NP	18.56	2227	23176	9.41	ng/ml	100
49) ~~#Aroclor-1248(4)~~ NP	18.98	2277	8598	4.87	ng/ml	100
50) ~~#Aroclor-1248(5)~~ NP	20.28	2434	51679	53.84	ng/ml	100
51) ~~#Aroclor-1254(2)~~ NP	20.28	2434	50182	24.68	ng/ml	100
52) ~~#Aroclor-1254(3)~~ NP	21.13	2535	33690	18.37	ng/ml	100
53) ~~#Aroclor-1254(4)~~ NP	23.09	2771	51251	20.10	ng/ml	100
54) ~~#Aroclor-1254(5)~~ NP	23.78	2853	29087	21.45	ng/ml	100
55) ~~#Aroclor-1260(2)~~ NP	24.90	2988	21084	7.77	ng/ml	100

Compound uses ESTD

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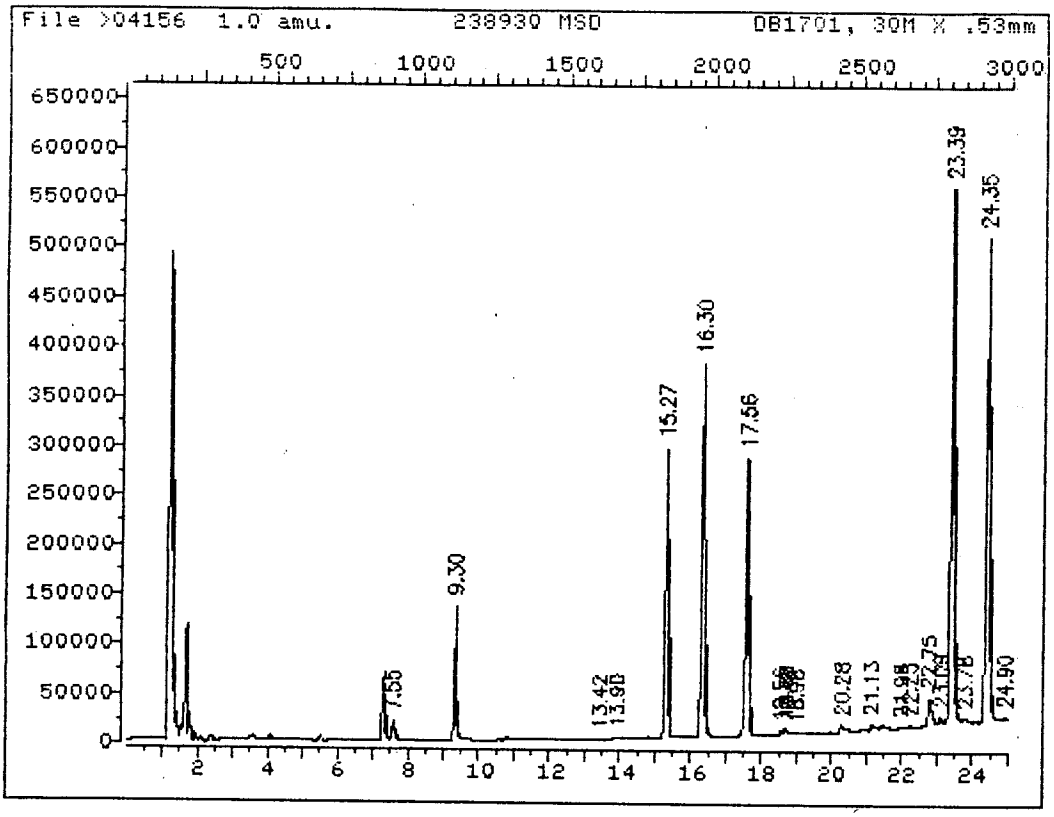
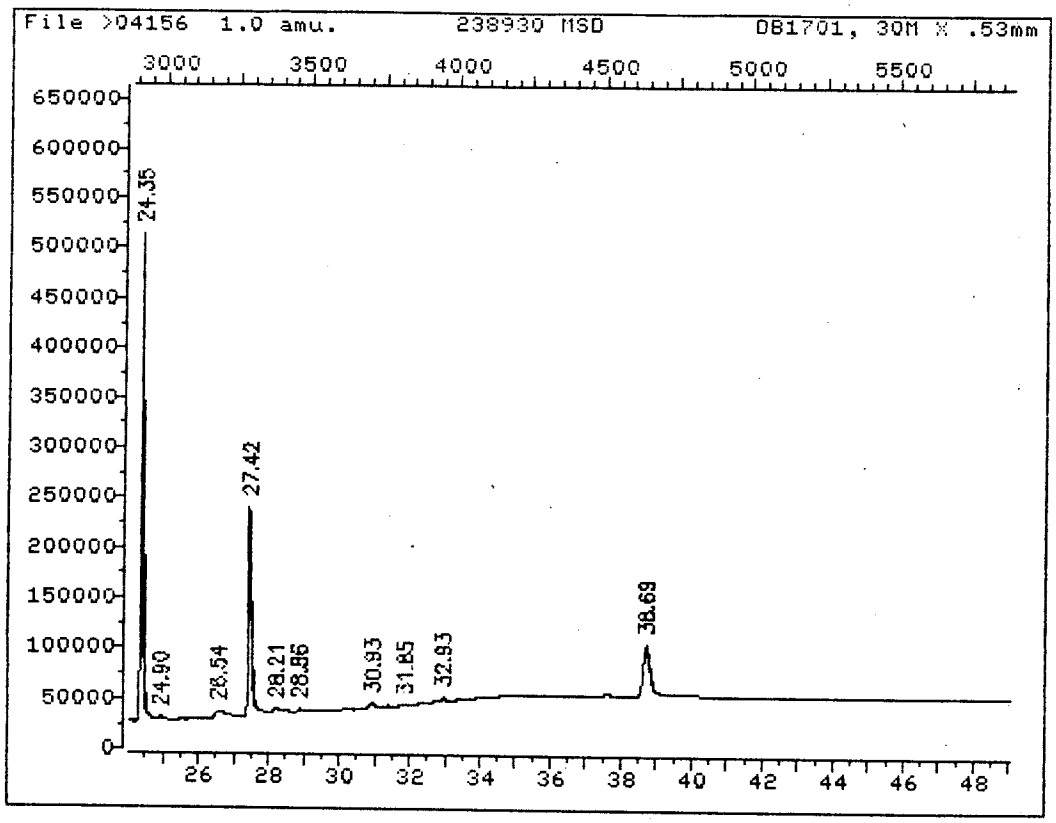


Data File: >04156::G5 Quant Output File: ^04156::F3
Name: ~~238930~~ MSD Blank EP Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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 20:08
Injected at: 960706 19:17

Page 1 of 2



Data File: >04156::G5 Quant Output File: ^04156::F3
Name: ~~238930~~ MSD Blank EP 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 20:08
Injected at: 960706 19:17

Page 2 of 2

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS15 MSD

Lab Name: ICM Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: 238914

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03412

% Moisture: 9. decanted: (Y/N) N Date Received: 07/01/96

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

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.7	U
319-85-7	beta-BHC	3.7	U
319-86-8	delta-BHC	3.7	U
58-89-9	gamma-BHC (Lindane)	14.	P
76-44-8	Heptachlor	2.4	J P
309-00-2	Aldrin	81.	E P
1024-57-3	Heptachlor epoxide	3.7	U
959-98-8	Endosulfan I	3.7	U
60-57-1	Dieldrin	130.	E P
72-55-9	4,4'-DDE	7.2	U
72-20-8	Endrin	98.	P
33213-65-9	Endosulfan II	7.2	U
72-54-8	4,4'-DDD	7.2	U
1031-07-8	Endosulfan Sulfate	7.2	U
50-29-3	4,4'-DDT	65.	P
72-43-5	Methoxychlor	37.	U
53494-70-5	Endrin ketone	7.2	U
7421-93-4	Endrin aldehyde	7.2	U
5103-71-9	alpha-Chlordane	3.7	U
5103-74-2	gamma-Chlordane	3.7	U
8001-35-2	Toxaphene	370.	U
12674-11-2	Aroclor-1016	72.	U
11104-28-2	Aroclor-1221	150.	U
11141-16-5	Aroclor-1232	72.	U
53469-21-9	Aroclor-1242	72.	U
12672-29-6	Aroclor-1248	72.	U
11097-69-1	Aroclor-1254	5900.	P
11096-82-5	Aroclor-1260	72.	U

QUANT REPORT

Operator ID: TRFI2
Output File: ^03412::GQ
Data File: >03412::G2
Name: 238914SD 2XDL
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960718 01:09
Injected at: 960718 00:15
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	9.06	1087	2648972	22.14	ng/ml	100
2)	~~#alpha-BHC~~ NT	12.45	1494	5693817	38.21	ng/ml	100
3)	~~#beta-BHC~~ NT	14.82	1779	4151963	50.76	ng/ml	100
4)	~~#delta-BHC~~ NT	16.57	1989	1077834	8.38	ng/ml	100
5)	#gamma-BHC (Lindane)	14.30	1716	8368630	60.40	ng/ml	100
6)	#Heptachlor	15.96	1915	2138653	20.36	ng/ml	100
7)	#Aldrin	17.37	2084	14780722	110.70	ng/ml	100
8)	~~#Heptachlor epoxide~~ NT	19.93	2391	16810944	134.65	ng/ml	100
9)	~~#Endosulfan I~~ NT	21.68	2601	3175331	29.92	ng/ml	100
10)	#Dieldrin	22.97	2756	31597184M	334.94	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.94	2753	2555607	27.68	ng/ml	100
12)	#Endrin	24.66	2959	15178330	173.65	ng/ml	100
13)	~~#Endosulfan II~~ NT	25.84	3100	3227913	32.62	ng/ml	100
14)	~~#4,4'-DDD~~ NT	25.53	3063	3258923	52.78	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NT	28.39	3407	1194891	13.59	ng/ml	100
16)	#4,4'-DDT	27.01	3241	32662848M	480.83	ng/ml	
17)	~~#Methoxychlor~~ NT	32.45	3894	11833460	297.44	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.71	3925	2625984	28.32	ng/ml	100
19)	#Decachlorobiphenyl	41.61	4993	2305247M	19.94	ng/ml	
20)	~~#alpha-Chlordane~~ NT	21.41	2569	2802148	23.25	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.78	2494	3500893	28.95	ng/ml	100
22)	~~#Toxaphene(1)~~ NP	23.83	2859	25312956	15842.18	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.28	1474	1485268	519.90	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.94	953	21455	24.96	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.28	1474	1485268	551.84	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.28	1474	1485268	612.10	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	15.96	1915	2138653	283.89	ng/ml	100
28)	#Aroclor-1254(1)	20.82	2498	33420372M	6717.76	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	24.33	2919	1700393	265.61	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.68	3321	15413886	190.54	ng/ml	100
31)	~~#Toxaphene(2)~~	27.68	3321	15324750	9168.10	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.39	3407	1194891	563.36	ng/ml	100
33)	~~#Toxaphene(4)~~	30.58	3669	4233768	2167.40	ng/ml	100
34)	~~#Aroclor-1016(2)~~	14.30	1716	8368630	1441.26	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.96	1915	2138653	191.38	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.77	2012	10429466	2709.28	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.98	2277	1653708	488.93	ng/ml	100
38)	~~#Aroclor-1221(2)~~	11.42	1371	605484	372.58	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.28	1474	1485268	400.66	ng/ml	100
40)	~~#Aroclor-1232(2)~~	14.30	1716	8368630	2980.99	ng/ml	100

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7/23/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^03412::GQ
Data File: >03412::G2
Name: 238914SD 2XDL
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960718 01:09
Injected at: 960718 00:15
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
41) ~~#Aroclor-1232(3)~~	15.96	1915	2138653	458.24	ng/ml	100
42) ~~#Aroclor-1232(4)~~ NP	16.77	2012	10429466	5967.71	ng/ml	100
43) ~~#Aroclor-1242(2)~~	14.30	1716	8368630	1807.84	ng/ml	100
44) ~~#Aroclor-1242(3)~~	15.96	1915	2138653	241.17	ng/ml	100
45) ~~#Aroclor-1242(4)~~ NP	16.77	2012	10429466	3150.42	ng/ml	100
46) ~~#Aroclor-1242(5)~~	18.98	2277	1653708	565.32	ng/ml	100
47) ~~#Aroclor-1248(2)~~	17.51	2101	1749988	548.08	ng/ml	100
48) ~~#Aroclor-1248(3)~~	18.98	2277	1653708	401.81	ng/ml	100
49) ~~#Aroclor-1248(4)~~ NP	20.42	2450	3253800	792.09	ng/ml	100
50) ~~#Aroclor-1248(5)~~	21.68	2601	3175331	725.04	ng/ml	100
51) #Aroclor-1254(2)	21.10	2532	34804720M	5931.77	ng/ml	100
52) #Aroclor-1254(3)	22.70	2724	32745268M	17727.27	ng/ml	100
53) #Aroclor-1254(4)	23.45	2814	38067584M	5890.17	ng/ml	100
54) #Aroclor-1254(5)	24.66	2959	15178330	4153.33	ng/ml	100
55) ~~#Aroclor-1260(2)~~	24.66	2959	15178330	2130.53	ng/ml	100
56) ~~#Aroclor-1260(3)~~	26.47	3176	1639273	356.10	ng/ml	100
57) ~~#Aroclor-1260(4)~~ NP	30.09	3611	2408727	219.92	ng/ml	100
58) ~~#Aroclor-1260(5)~~	32.88	3945	23254716	4717.29	ng/ml	100

Compound uses ESTD

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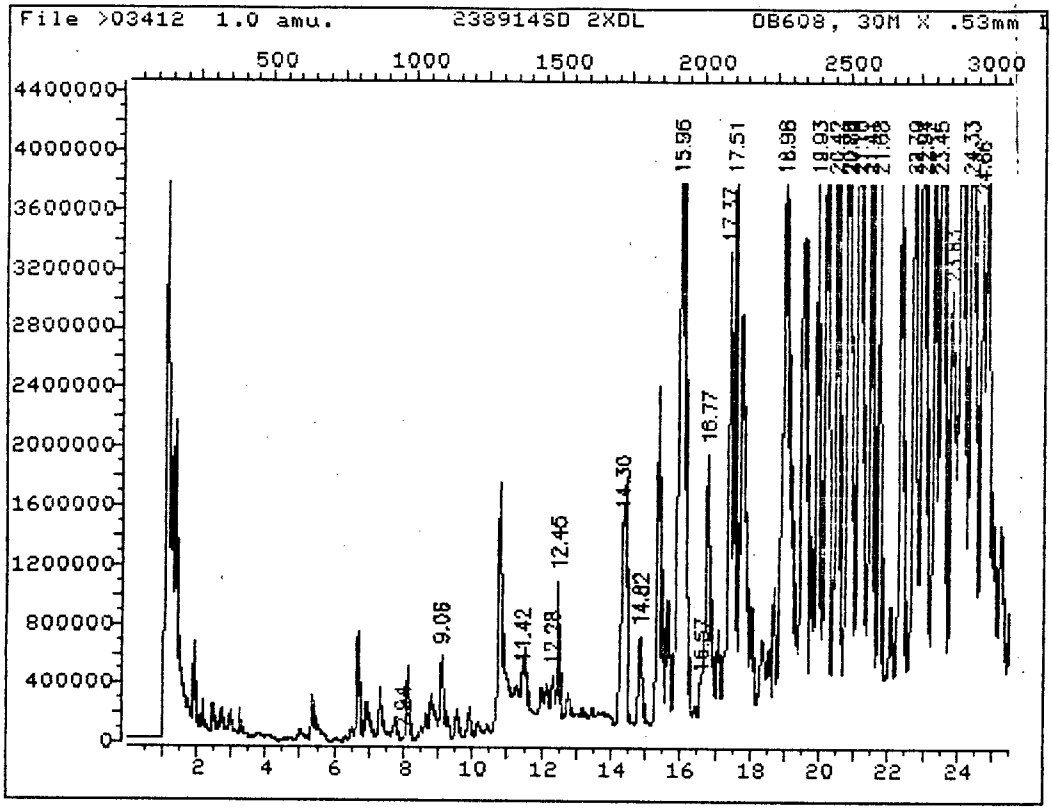
2/23/96

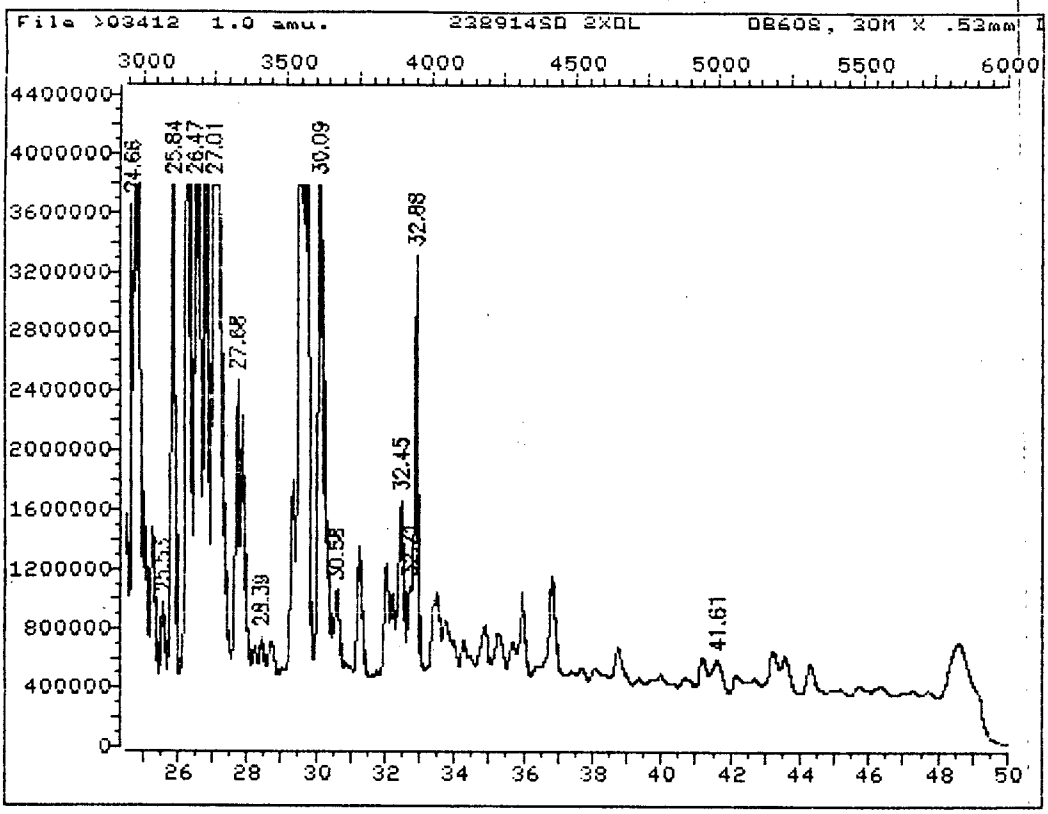


Data File: >03412::G2 Quant Output File: ^03412::GQ
Name: 238914SD 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 01:09
Injected at: 960718 00:15

Page 1 of 2



Data File: >03412::G2 Quant Output File: ^03412::GQ
Name: 238914SD 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 01:09
Injected at: 960718 00:15

Page 2 of 2

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 01:07
Output File: ^04412::GQ Injected at: 960718 00:15
Data File: >04412::G4 Dilution Factor: 1.00000
Name: 238914SD 2XDL Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	9.29	1115	1874883	45.83	ng/ml	100
2)	~~#alpha-BHC~~ NT	13.52	1622	137972	4.24	ng/ml	100
3)	~~#beta-BHC~~ NT	18.53	2224	19630616	782.28	ng/ml	100
4)	~~#delta-BHC~~ NT	19.68	2361	6989594	266.50	ng/ml	100
5)	#gamma-BHC (Lindane)	15.26	1831	643418	18.92	ng/ml	100
6)	#Heptachlor	16.31	1957	152004	3.25	ng/ml	100
7)	#Aldrin	17.43	2092	14808860	395.48	ng/ml	100
9)	~~#Endosulfan I~~ NT	21.68	2602	1109018	31.78	ng/ml	100
10)	#Dieldrin	23.36	2803	5726213	178.43	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.70	2724	12097330	427.21	ng/ml	100
12)	#Endrin	24.53	2943	3886197	133.83	ng/ml	100
13)	~~#Endosulfan II~~ NT	26.78	3213	2656718	77.60	ng/ml	100
14)	~~#4,4'-DDD~~ NT	26.52	3182	1017925	52.96	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NT	30.49	3659	154227	5.62	ng/ml	100
16)	#4,4'-DDT	27.39	3286	1554791	88.96	ng/ml	100
17)	~~#Methoxychlor~~ NT	30.87	3704	2428819	181.45	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.87	3944	1552861	48.96	ng/ml	100
19)	#Decachlorobiphenyl	38.65	4638	1286336	28.05	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.19	2663	19244000	461.90	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.95	2634	3218080	80.31	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.06	1447	1945506	1606.06	ng/ml	100
24)	~~#Aroclor-1221(1)~~ NP	7.54	905	268137	350.78	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	7.54	905	268137	242.91	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.06	1447	1945506	1893.79	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.82	1659	4401695	4282.05	ng/ml	100
28)	#Aroclor-1254(1)	17.43	2092	14808860	9339.83	ng/ml	100
29)	~~#Aroclor-1260(1)~~ NP	23.73	2848	3007803	1212.08	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.90	3468	2034501	63.28	ng/ml	100
31)	~~#Toxaphene(2)~~	28.39	3407	22234352	32836.45	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	30.49	3659	167260	310.09	ng/ml	100
33)	~~#Toxaphene(4)~~	31.67	3800	2595639	5008.04	ng/ml	100
34)	~~#Aroclor-1016(2)~~	13.82	1659	4401695	1781.93	ng/ml	100
35)	~~#Aroclor-1016(3)~~	15.95	1914	19425720	4834.00	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.51	1981	5206829	3505.48	ng/ml	100
37)	~~#Aroclor-1016(5)~~	18.53	2224	19630616	10046.43	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.17	1341	55592	85.29	ng/ml	100
39)	~~#Aroclor-1221(3)~~	12.06	1447	1945506	1147.37	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.06	1447	1945506	1713.36	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	13.82	1659	4401695	4410.60	ng/ml	100
42)	~~#Aroclor-1232(4)~~	15.95	1914	19425720	11932.12	ng/ml	100

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7/23/96

QUANT REPORT

Operator ID: TRFI2
Output File: ^04412::GQ
Data File: >04412::G4
Name: 238914SD 2XDL
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

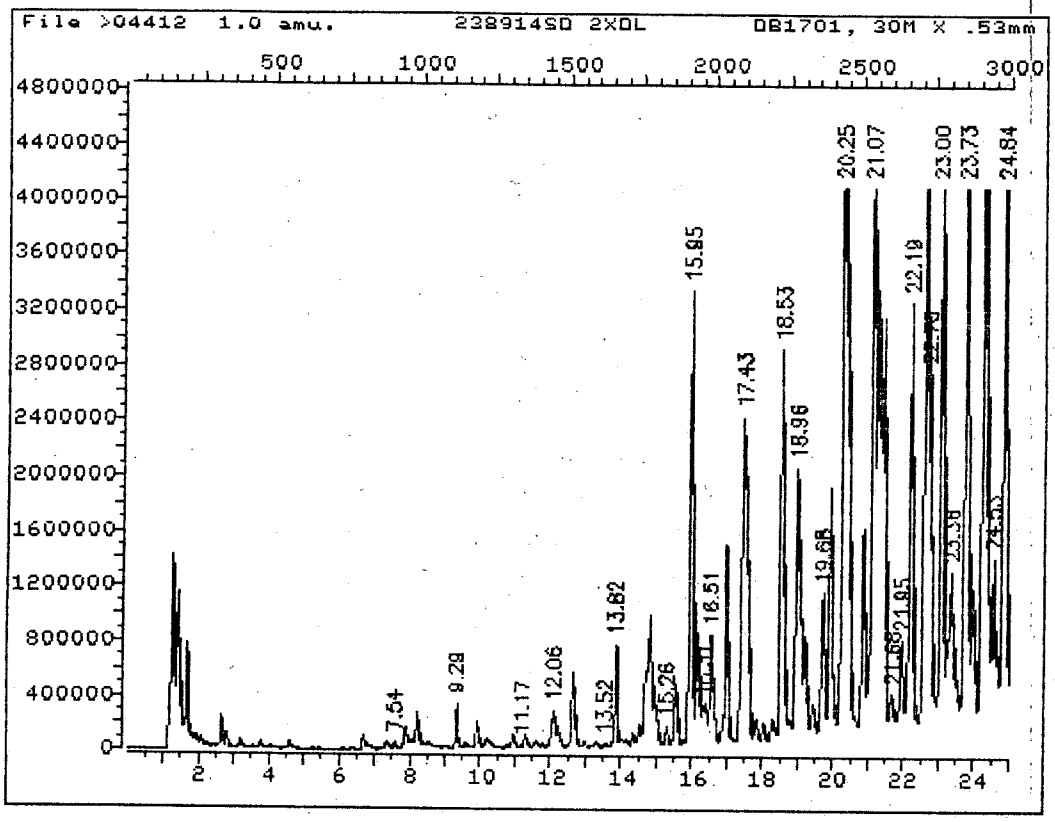
Quant Rev: 7
Quant Time: 960718 01:07
Injected at: 960718 00:15
Dilution Factor: 1.00000
Instrument ID: GC04

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
43)	~~#Aroclor-1242(2)~~	13.82	1659	4401695	2276.38	ng/ml	100
44)	~~#Aroclor-1242(3)~~	15.95	1914	19425720	6162.00	ng/ml	100
45)	~~#Aroclor-1242(4)~~ UP	16.51	1981	5206829	4549.55	ng/ml	100
46)	~~#Aroclor-1242(5)~~	17.43	2092	14808860	17323.75	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.95	1914	19425720	7192.21	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.53	2224	19630616	8110.18	ng/ml	100
49)	~~#Aroclor-1248(4)~~ UP	18.96	2275	11309074	6188.51	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.25	2430	2764375	2423.19	ng/ml	100
51)	#Aroclor-1254(2)	20.25	2430	33258708M	15478.24	ng/ml	100
52)	#Aroclor-1254(3)	21.07	2528	26754032M	14559.14	ng/ml	100
53)	#Aroclor-1254(4)	23.00	2760	33789720M	13006.80	ng/ml	100
54)	#Aroclor-1254(5)	23.73	2848	25985028M	18268.57	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.84	2981	2297301	804.77	ng/ml	100
56)	~~#Aroclor-1260(3)~~	28.39	3407	22234352	13369.46	ng/ml	100
57)	~~#Aroclor-1260(4)~~ UP	29.99	3599	14844802	3470.39	ng/ml	100
58)	~~#Aroclor-1260(5)~~	31.97	3836	14619026	5303.74	ng/ml	100

Compound uses ESTD

EPrice
7/23/96

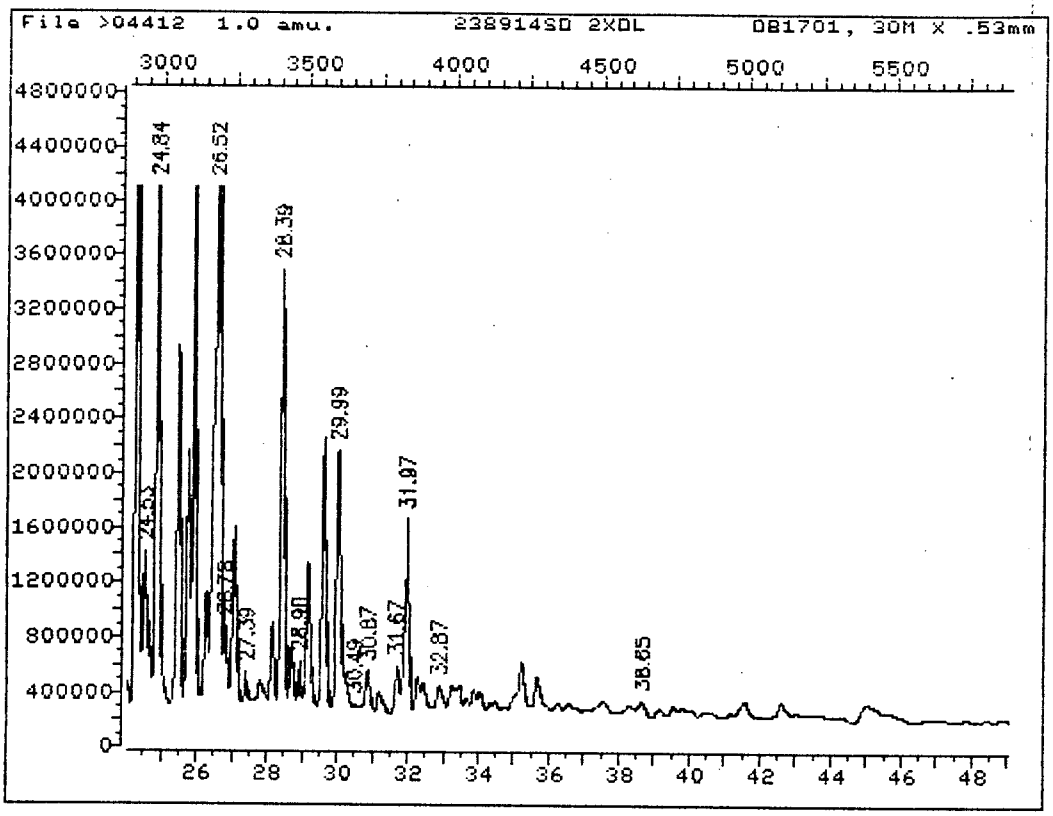


Data File: >04412::G4 Quant Output File: ^04412::GQ
Name: 238914SD 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 01:07
Injected at: 960718 00:15

Page 1 of 2

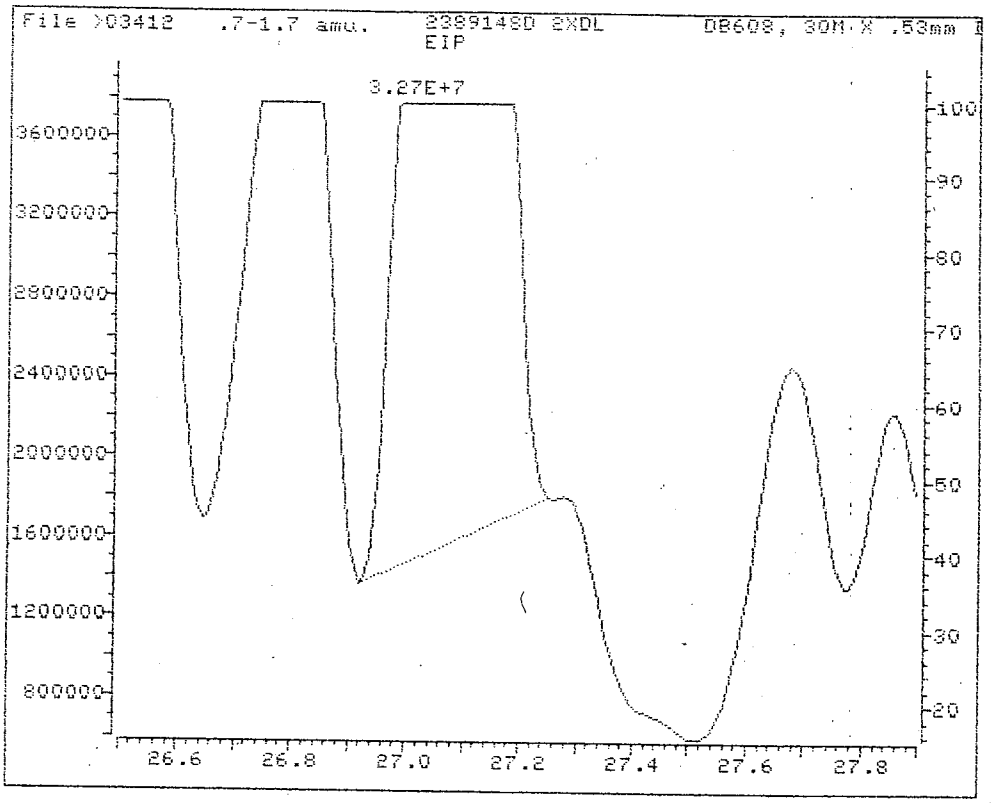


Data File: >04412::G4 Quant Output File: ^04412::GQ
Name: 238914SD 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 01:07
Injected at: 960718 00:15

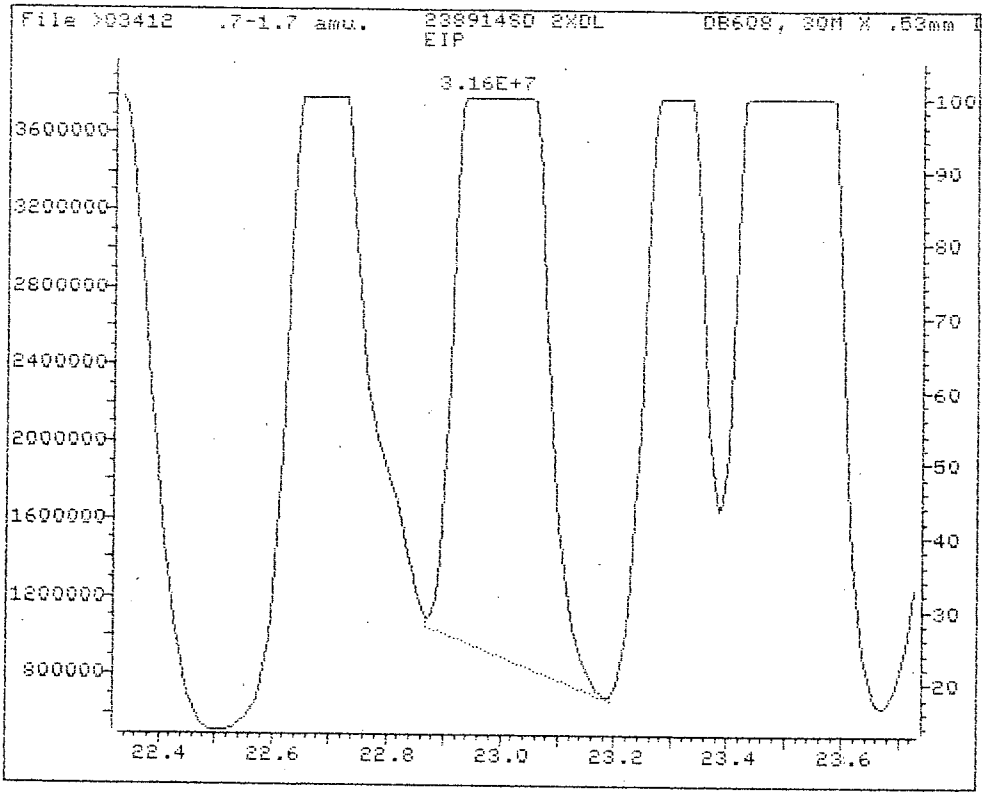
Page 2 of 2



Data File: >03412::G2 Quant Output File: ^03412::GQ
Name: 238914SD 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 01:09 Quant ID File: IDCAP5::SC
Injected at: 960718 00:15 Last Calibration: 941029 10:07

Compound No: 16
Compound Name: 4,4'-DDT
Scan Number: 3241
Retention Time: 27.01 min.
Quant Ion: 1.0
Area: 32662848M
Concentration: 480.83 ng/ml

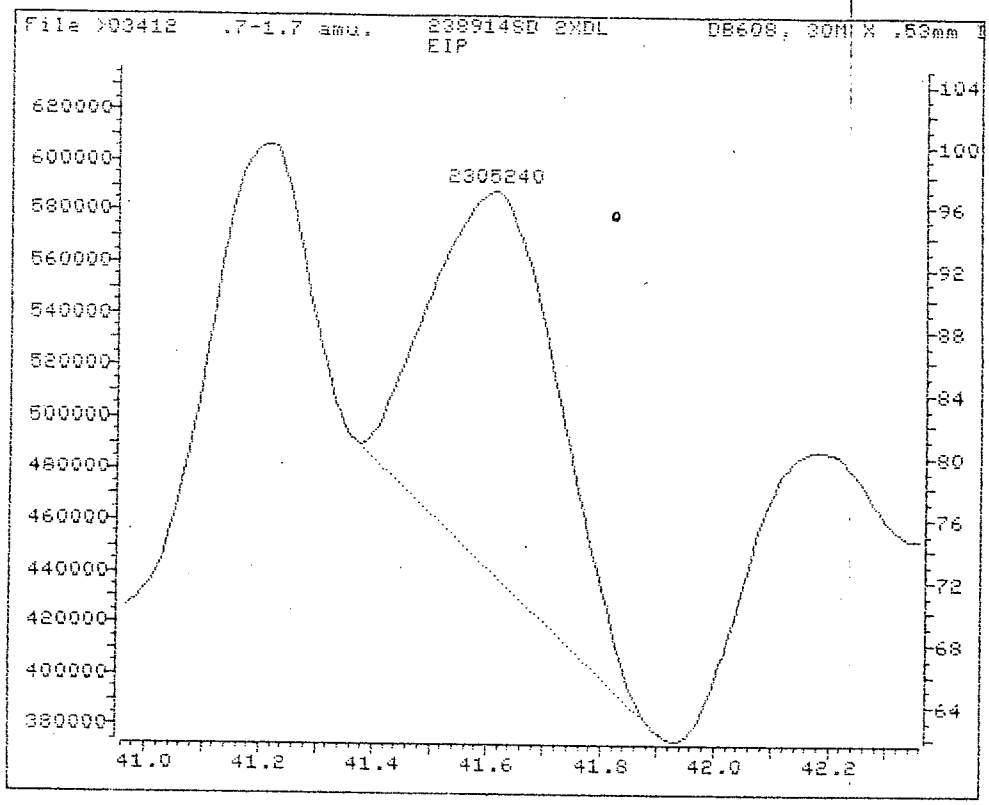
This report was produced by QAREA on: 960722 17:37.



Data File: >03412::G2 Quant Output File: ^03412::GQ
Name: 238914SD 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 01:09 Quant ID File: IDCAP5::SC
Injected at: 960718 00:15 Last Calibration: 941029 10:07

Compound No: 10
Compound Name: Dieldrin
Scan Number: 2755
Retention Time: 22.97 min.
Quant Ion: 1.0
Area: 31597184M
Concentration: 334.94 ng/ml
q-value: 100

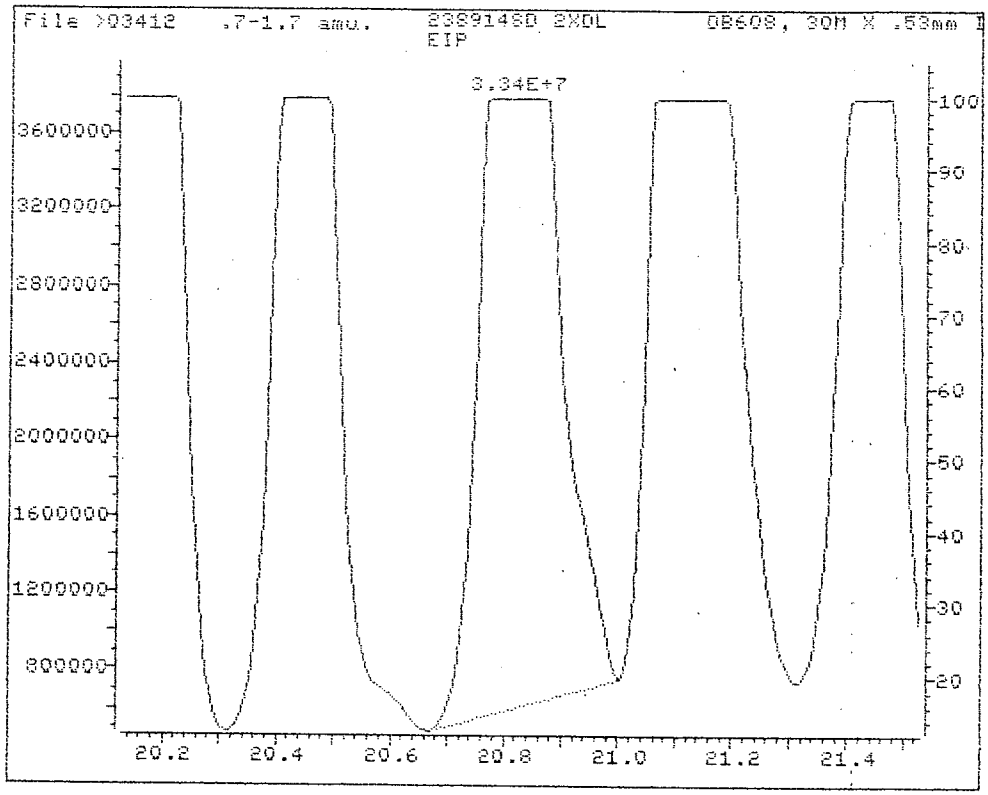
This report was produced by QAREA on: 960722 17:39



Data File: >03412::G2 Quant Output File: ^03412::GQ
Name: 238914SD 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 01:09 Quant ID File: IDCAP5::SC
Injected at: 960718 00:15 Last Calibration: 941029 10:07

Compound No: 19
Compound Name: Decachlorobiphenyl
Scan Number: 4993
Retention Time: 41.61 min.
Quant Ion: 1.0
Area: 2305247M
Concentration: 19.94 ng/ml

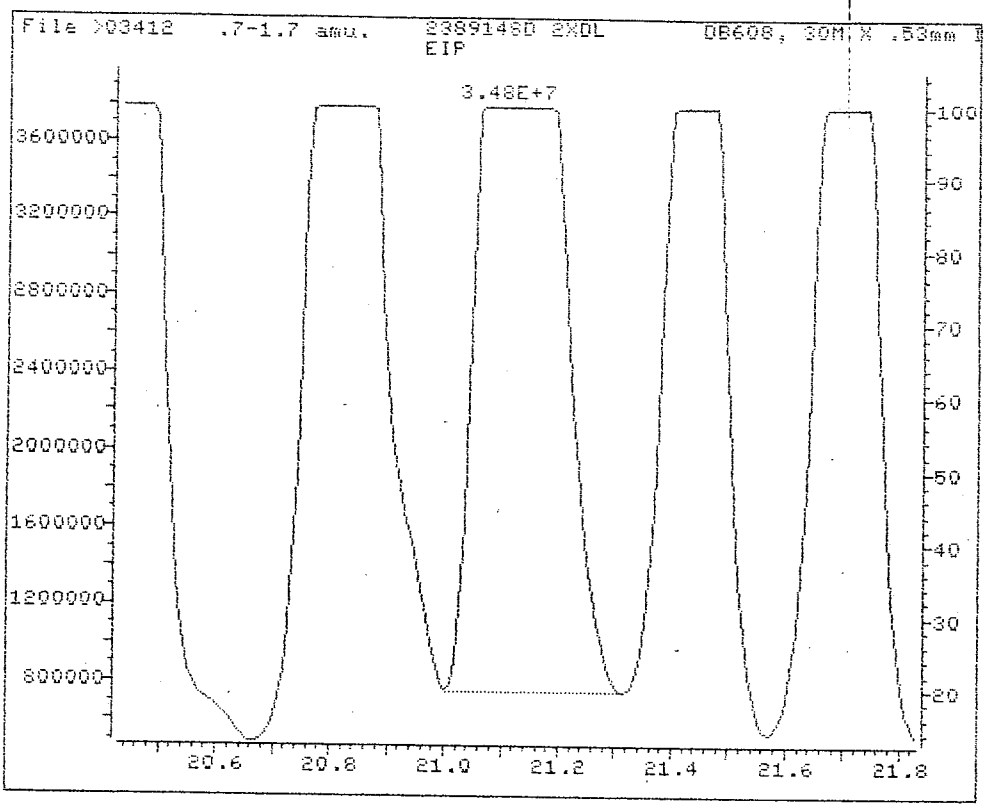
This report was produced by QAREA on: 960722 17:41



Data File: >03412::G2 Quant Output File: ^03412::GQ
Name: 238914SD 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 01:09 Quant ID File: IDCAP5::SC
Injected at: 960718 00:15 Last Calibration: 941029 10:07

Compound No: 28
Compound Name: Aroclor-1254(1)
Scan Number: 2498
Retention Time: 20.82 min.
Quant Ion: 1.0
Area: 33420372M
Concentration: 6717.78 ng/ml
q-value: 100

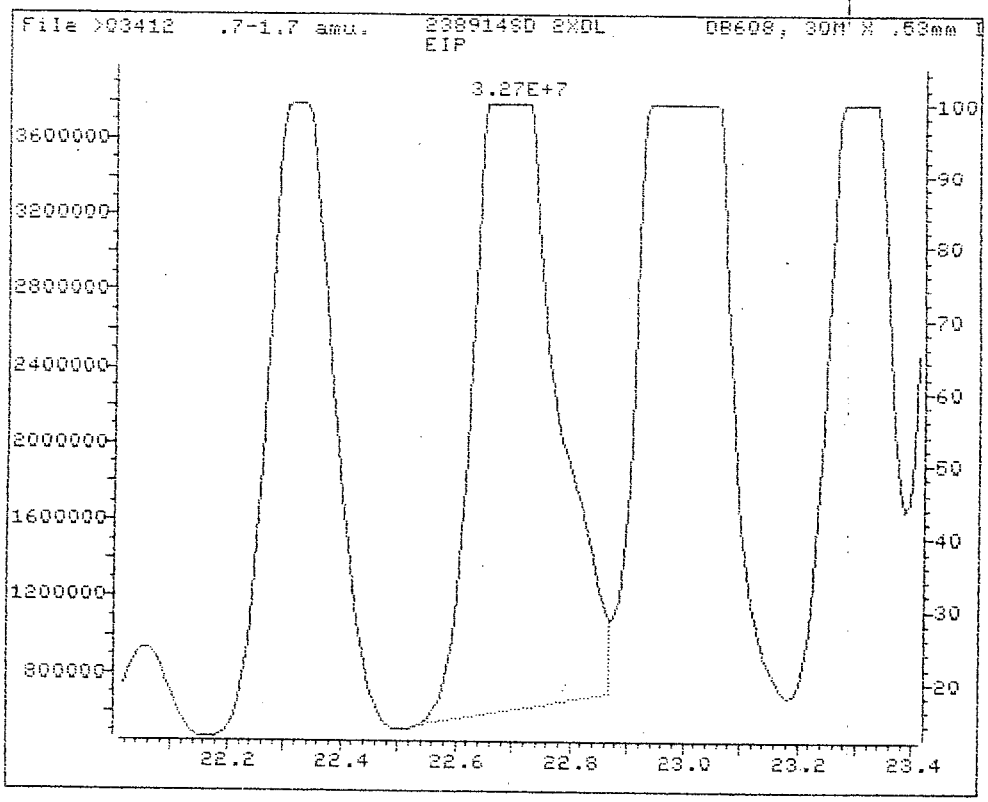
This report was produced by QAREA on: 960722 17:43:



Data File: >03412::62 Quant Output File: ^03412::GQ
Name: 238914SD 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 01:09 Quant ID File: IDCAP5::SC
Injected at: 960718 00:15 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2532
Retention Time: 21.10 min.
Quant Ion: 1.0
Area: 34804720M
Concentration: 5931.77 ng/ml
q-value: 100

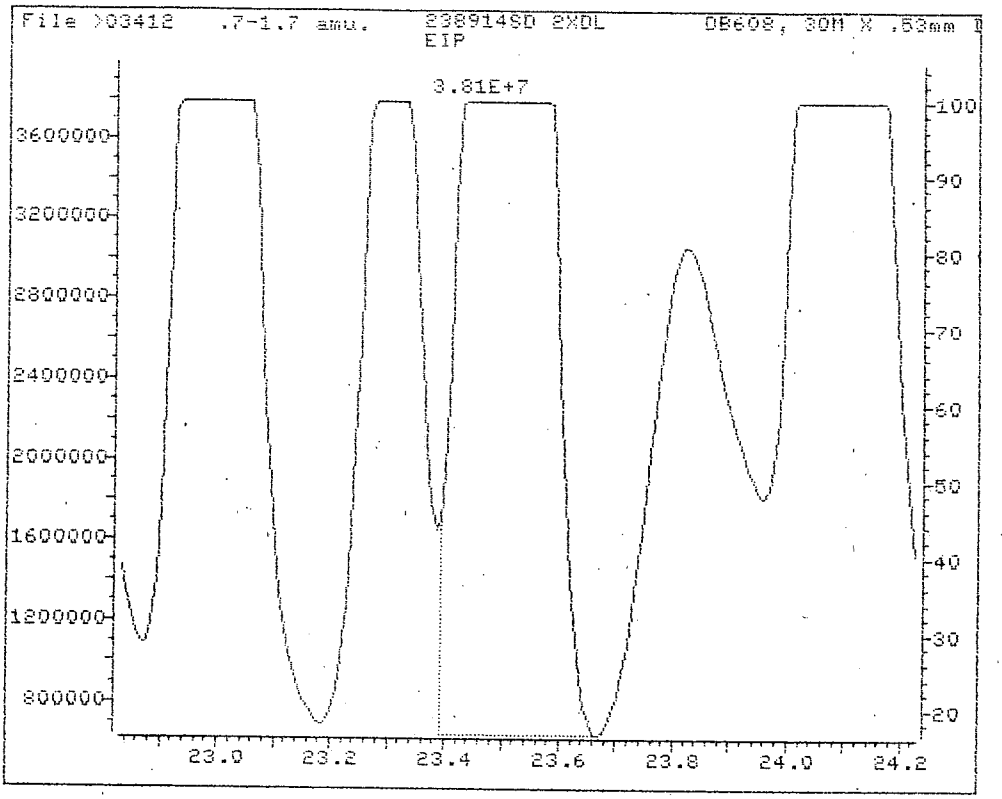
This report was produced by QAREA on: 960722 17:45



Data File: >03412::G2 Quant Output File: ^03412::GQ
Name: 238914SD 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 01:09 Quant ID File: IDCAP5::SC
Injected at: 960718 00:15 Last Calibration: 941029 10:07

Compound No: 52
Compound Name: Aroclor-1254(3)
Scan Number: 2724
Retention Time: 22.70 min.
Quant Ion: 1.0
Area: 32745268M
Concentration: 17727.27 ng/ml
q-value: 100

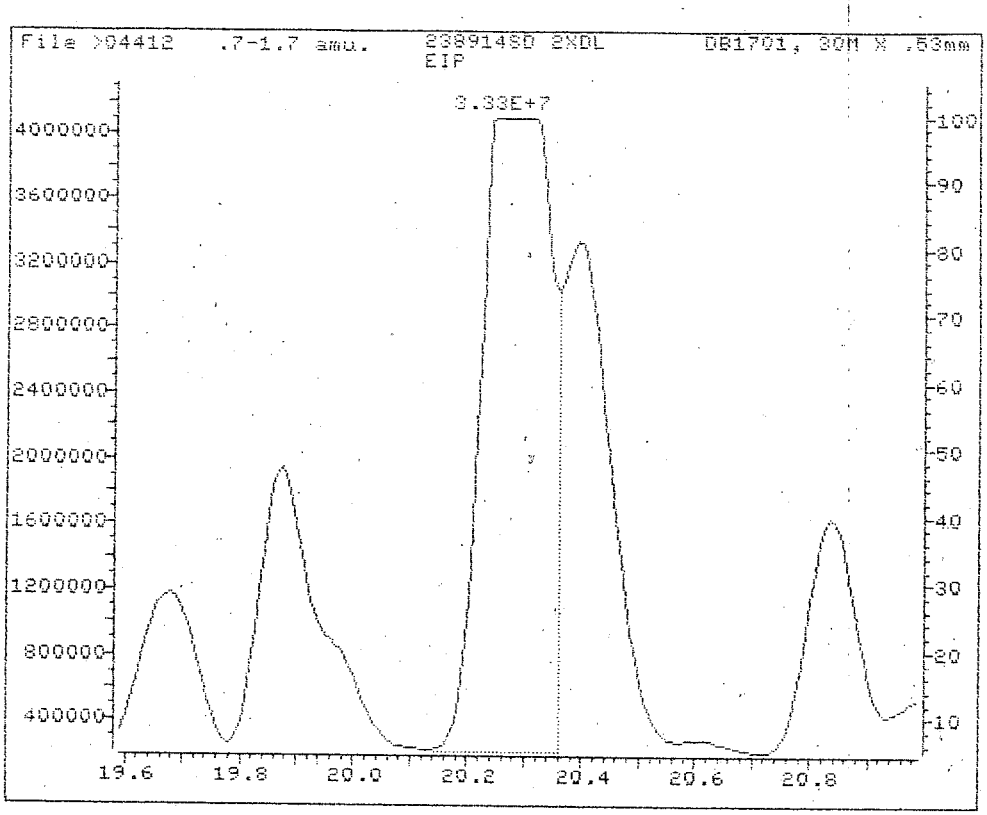
This report was produced by QAREA on: 960722 17:47



Data File: >03412::G2 Quant Output File: ^03412::GQ
Name: 238914SD 2XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 01:09 Quant ID File: IDCAP5::SC
Injected at: 960718 00:15 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2814
Retention Time: 23.45 min.
Quant Ion: 1.0
Area: 38067584M
Concentration: 5890.17 ng/ml
q-value: 100

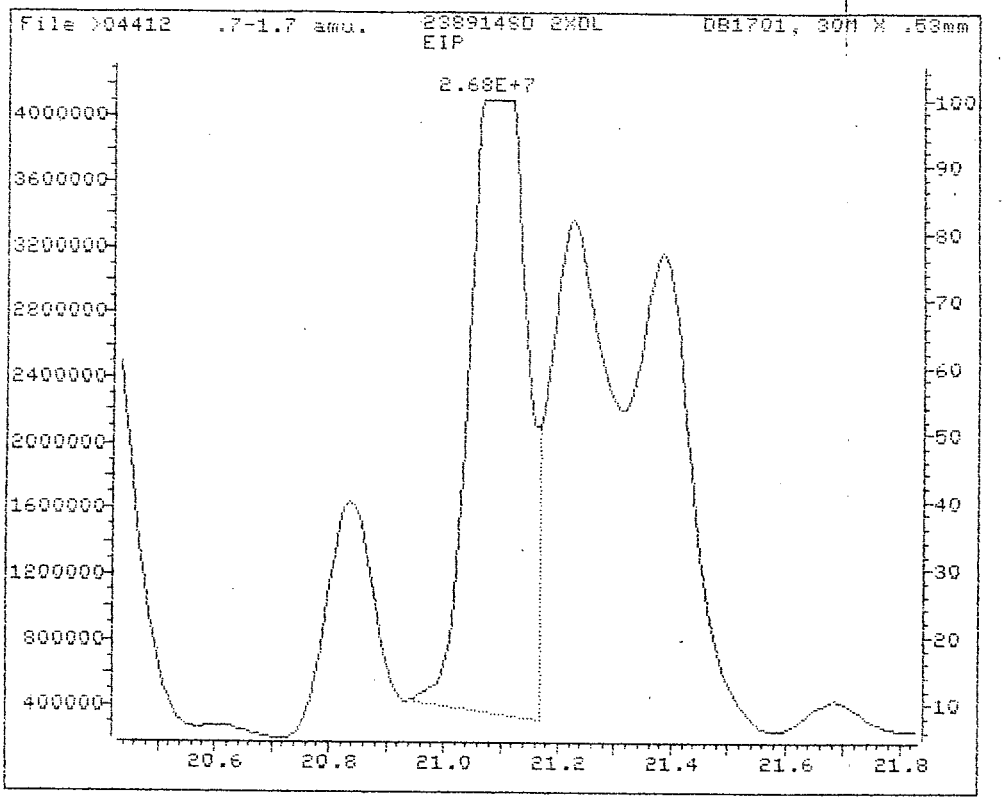
This report was produced by QAREA on: 960722 17:49



Data File: >04412::G4 Quant Output File: ^04412::GQ
Name: 238914SD 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 01:07 Quant ID File: IDCAP6::SC
Injected at: 960718 00:15 Last Calibration: 941029 10:07

Compound No: 51
Compound Name: Aroclor-1254(2)
Scan Number: 2430
Retention Time: 20.25 min.
Quant Ion: 1.0
Area: 33258708M
Concentration: 15478.24 ng/ml
q-value: 100

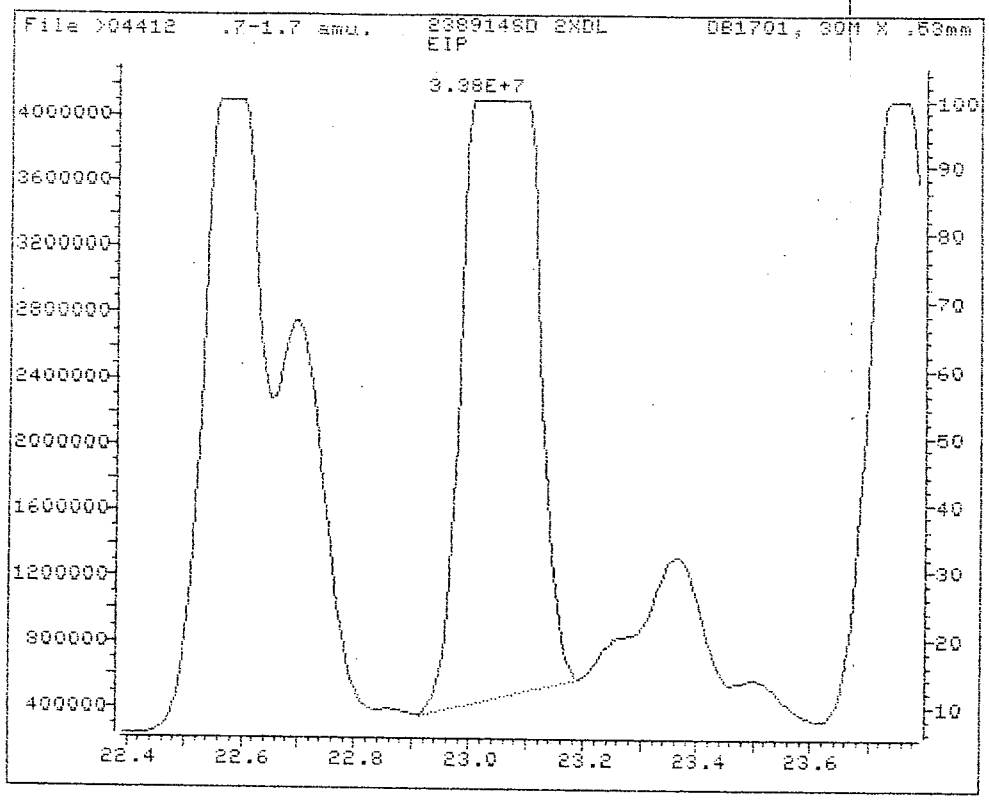
This report was produced by QAREA on: 960722 17:53



Data File: >04412::G4 Quant Output File: ^04412::GQ
Name: 238914SD 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 01:07 Quant ID File: IDCAP6::SC
Injected at: 960718 00:15 Last Calibration: 941029 10:07

Compound No: 52
Compound Name: Aroclor-1254(3)
Scan Number: 2528
Retention Time: 21.07 min.
Quant Ion: 1.0
Area: 26754032M
Concentration: 14559.14 ng/ml
q-value: 100

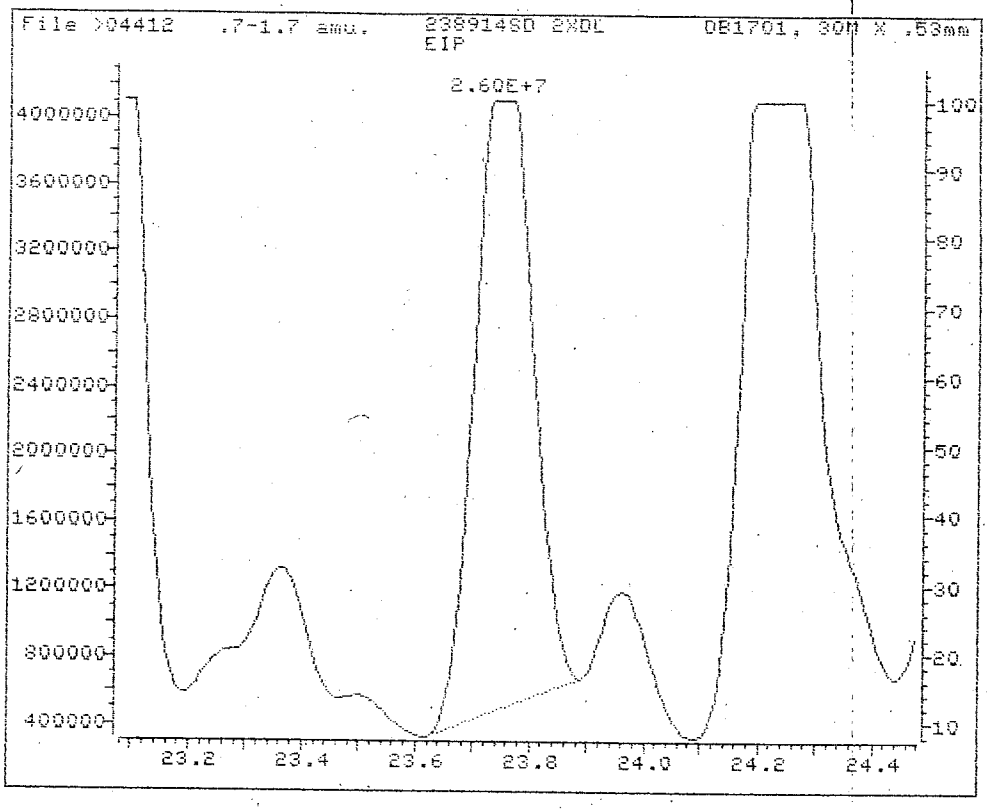
This report was produced by QAREA on: 960722 17:57



Data File: >04412::G4 Quant Output File: ^04412::GQ
Name: 238914SD 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 01:07 Quant ID File: IDCAP6::SC
Injected at: 960718 00:15 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2760
Retention Time: 23.00 min.
Quant Ion: 1.0
Area: 33789720M
Concentration: 13006.80 ng/ml
q-value: 100

This report was produced by QAREA on: 960722 17:59



Data File: >04412::G4 Quant Output File: >04412::GQ
Name: 238914SD 2XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 01:07 Quant ID File: IDCAP6::SC
Injected at: 960718 00:15 Last Calibration: 941029 10:07

Compound No: 54
Compound Name: Aroclor-1254(5)
Scan Number: 2848
Retention Time: 23.73 min.
Quant Ion: 1.0
Area: 25985028M
Concentration: 18268.57 ng/ml
q-value: 100

This report was produced by QAREA on: 960722 18:01

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S15 MSD

Lab Name: ICM Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: 238913

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03414

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

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

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	35.	U
319-85-7	beta-BHC	35.	U
319-86-8	delta-BHC	35.	U
58-89-9	gamma-BHC (Lindane)	5.6	J P
76-44-8	Heptachlor	31.	J P
309-00-2	Aldrin	120.	P
1024-57-3	Heptachlor epoxide	35.	U
959-98-8	Endosulfan I	35.	U
60-57-1	Dieldrin	270.	P
72-55-9	4,4'-DDE	68.	U
72-20-8	Endrin	980.	P
33213-65-9	Endosulfan II	68.	U
72-54-8	4,4'-DDD	68.	U
1031-07-8	Endosulfan Sulfate	68.	U
50-29-3	4,4'-DDT	44.	J P
72-43-5	Methoxychlor	350.	U
53494-70-5	Endrin ketone	68.	U
7421-93-4	Endrin aldehyde	68.	U
5103-71-9	alpha-Chlordane	35.	U
5103-74-2	gamma-Chlordane	35.	U
8001-35-2	Toxaphene	3500.	U
12674-11-2	Aroclor-1016	680.	U
11104-28-2	Aroclor-1221	1400.	U
11141-16-5	Aroclor-1232	680.	U
53469-21-9	Aroclor-1242	680.	U
12672-29-6	Aroclor-1248	680.	U
11097-69-1	Aroclor-1254	23000.	
11096-82-5	Aroclor-1260	680.	U

QUANT REPORT

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 02:58
Output File: ^03414::GQ Injected at: 960718 02:05
Data File: >03414::G2 Dilution Factor: 1.00000
Name: 238913SD 20XDL 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	1089	313956	2.62	ng/ml	100
2)	~~#alpha-BHC~~ NT	12.46	1495	625069	4.19	ng/ml	100
3)	~~#beta-BHC~~ NT	14.82	1779	551468	6.74	ng/ml	100
4)	~~#delta-BHC~~ NT	16.57	1989	124103	.965	ng/ml	100
5)	#gamma-BHC (Lindane)	14.29	1715	1896674	13.69	ng/ml	100
6)	#Heptachlor	16.02	1923	8016722	76.31	ng/ml	100
7)	#Aldrin	17.38	2085	2329343	17.45	ng/ml	100
8)	~~#Heptachlor epoxide~~ NT	19.93	2392	3346737	26.81	ng/ml	100
9)	~~#Endosulfan I~~ NT	21.71	2605	5723725	53.93	ng/ml	100
10)	#Dieldrin	22.99	2759	12475030	132.24	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.69	2723	8262793	89.48	ng/ml	100
12)	#Endrin	24.83	2979	12458540	142.54	ng/ml	100
13)	~~#Endosulfan II~~ NT	25.86	3103	5028920	50.82	ng/ml	100
14)	~~#4,4'-DDD~~ NT	25.53	3063	602913	9.76	ng/ml	100
15)	~~#Endosulfan Sulfate~~ NT	28.40	3408	268066	3.05	ng/ml	100
16)	#4,4'-DDT	27.10	3252	22633536	333.19	ng/ml	100
17)	~~#Methoxychlor~~ NT	32.47	3896	1474730	37.07	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.69	3922	296955	3.20	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	21.44	2573	7387645	61.31	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	20.83	2499	11687904	96.66	ng/ml	100
22)	#Toxaphene(1) NP	23.83	2860	4944958	3094.82	ng/ml	100
23)	~~#Aroclor-1016(1)~~ NP	12.29	1475	196984	68.95	ng/ml	100
24)	~~#Aroclor-1221~~(1) NP	8.07	968	30115	35.03	ng/ml	100
25)	~~#Aroclor-1232(1)~~ NP	12.29	1475	196984	73.19	ng/ml	100
26)	~~#Aroclor-1242(1)~~ NP	12.29	1475	196984	81.18	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	16.02	1923	7869729	1044.63	ng/ml	100
28)	#Aroclor-1254(1)	20.83	2499	11687904	2349.36	ng/ml	100
29)	~~#Aroclor-1260~~(1) NP	24.38	2925	10385944	1622.33	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	27.69	3322	3063878	37.87	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	27.69	3322	3069848	1836.55	ng/ml	100
32)	~~#Toxaphene(3)~~ NP	28.40	3408	268066	126.39	ng/ml	100
34)	~~#Aroclor-1016(2)~~	14.29	1715	1896439	326.61	ng/ml	100
35)	~~#Aroclor-1016(3)~~	16.02	1923	7869729	704.24	ng/ml	100
36)	~~#Aroclor-1016(4)~~ NP	16.77	2012	1102985	286.52	ng/ml	100
37)	~~#Aroclor-1016(5)~~	19.00	2280	6685192	1976.50	ng/ml	100
38)	~~#Aroclor-1221(2)~~	11.24	1349	157308	96.80	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.29	1475	196984	53.14	ng/ml	100
40)	~~#Aroclor-1232(2)~~	14.29	1715	1896439	675.53	ng/ml	100
41)	~~#Aroclor-1232(3)~~ NP	16.02	1923	7869729	1686.20	ng/ml	100
42)	~~#Aroclor-1232(4)~~	16.77	2012	1102985	631.12	ng/ml	100

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7/23/96

Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 02:58
Output File: ^03414::GQ Injected at: 960718 02:05
Data File: >03414::G2 Dilution Factor: 1.00000
Name: 238913SD 20XDL 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
43)	~~#Aroclor-1242(2)~~	14.29	1715	1896439	409.68	ng/ml	100
44)	~~#Aroclor-1242(3)~~	16.02	1923	7869729	887.44	ng/ml	100
45)	~~#Aroclor-1242(4)~~ UP	16.77	2012	1102985	333.18	ng/ml	100
46)	~~#Aroclor-1242(5)~~	19.00	2280	6685192	2285.32	ng/ml	100
47)	~~#Aroclor-1248(2)~~	17.53	2103	5437774	1703.05	ng/ml	100
48)	~~#Aroclor-1248(3)~~	19.00	2280	6685192	1624.32	ng/ml	100
49)	~~#Aroclor-1248(4)~~ UP	20.45	2454	6865564	1671.32	ng/ml	100
50)	~~#Aroclor-1248(5)~~	21.71	2605	5723725	1306.93	ng/ml	100
51)	#Aroclor-1254(2)	21.12	2534	15546080	2649.52	ng/ml	100
52)	#Aroclor-1254(3)	22.69	2723	8262793	4473.22	ng/ml	100
53)	#Aroclor-1254(4)	23.51	2821	25285928M	8912.47	ng/ml	
54)	#Aroclor-1254(5)	24.83	2979	12458540	3409.10	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.83	2979	12458540	1748.76	ng/ml	100
56)	~~#Aroclor-1260(3)~~	26.54	3184	9135128	1984.42	ng/ml	100
57)	~~#Aroclor-1260(4)~~ UP	30.13	3615	6486294	592.20	ng/ml	100
58)	~~#Aroclor-1260(5)~~	32.89	3946	4025990	816.68	ng/ml	100

Compound uses ESTD

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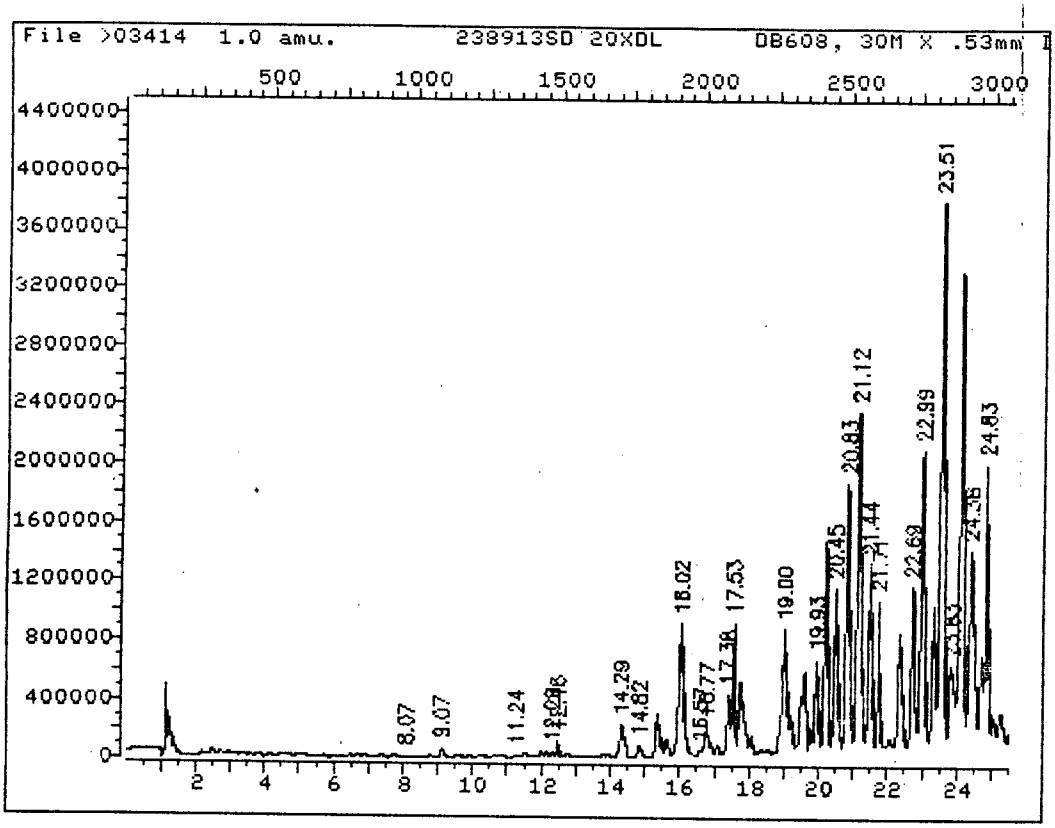
7/23/96

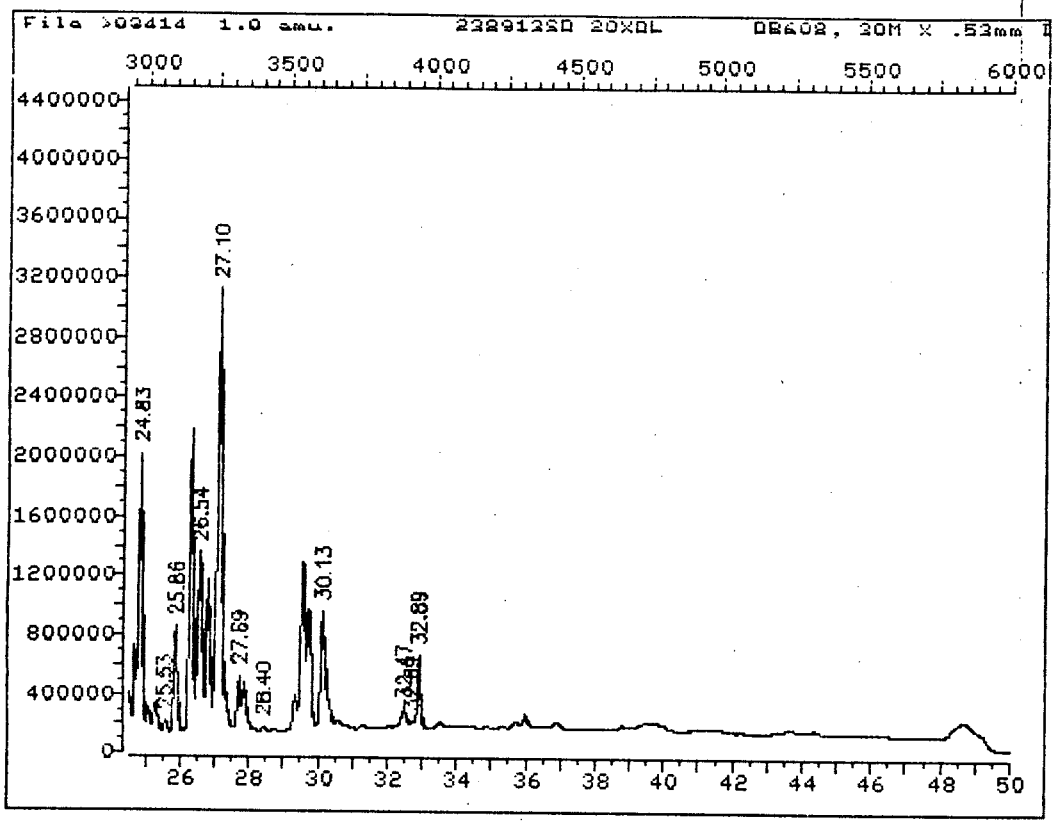


Data File: >03414::G2 Quant Output File: ^03414::GQ
Name: 238913SD 20XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 02:58
Injected at: 960718 02:05

Page 1 of 2

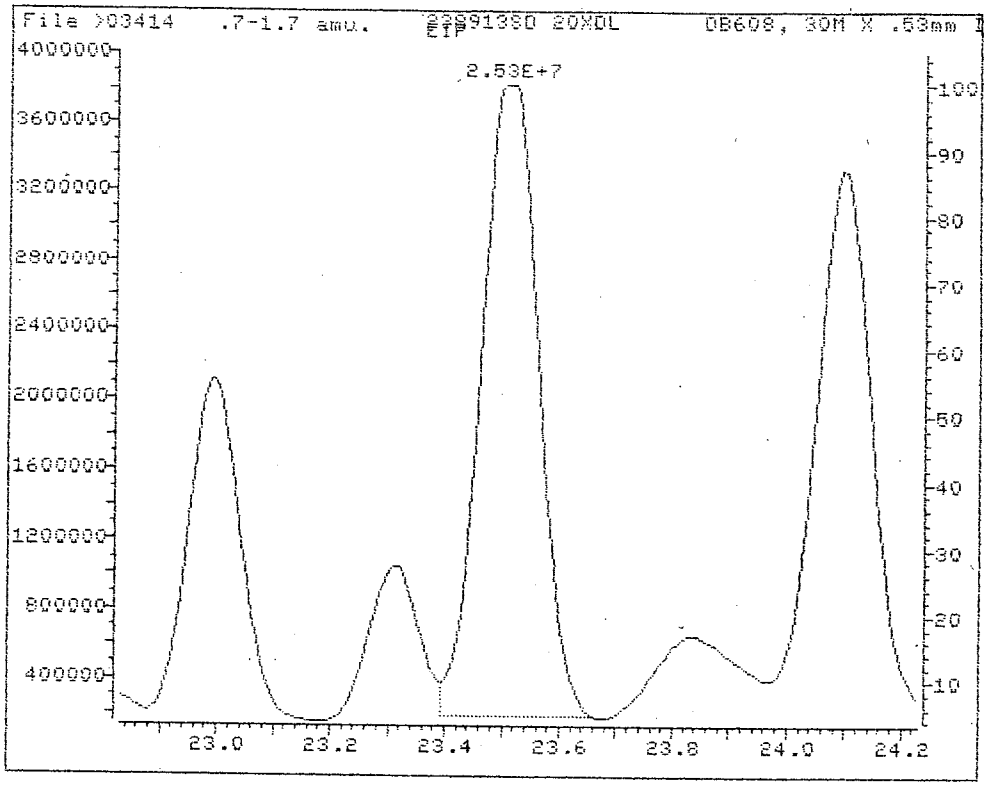


Data File: >03414::G2 Quant Output File: ^03414::GQ
Name: 238913SD 20XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 02:58
Injected at: 960718 02:05

Page 2 of 2



Data File: >03414::G2 Quant Output File: ^03414::GQ
Name: 238913SD 20XDL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ
Quant Time: 960718 02:58 Quant ID File: IDCAP5::SC
Injected at: 960718 02:05 Last Calibration: 941029 10:07

Compound No: 53
Compound Name: Aroclor-1254(4)
Scan Number: 2821
Retention Time: 23.51 min.
Quant Ion: 1.0
Area: 25285928M
Concentration: 3912.47 ng/ml

This report was produced by QAREA on: 960722 19:30

QUANT REPORT

Operator ID: TRFI2
Output File: ^04414::GQ
Data File: >04414::G4
Name: 238913SD 20XDL
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960718 02:56
Injected at: 960718 02:05
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	138543	3.39	ng/ml	100
2)	~~#alpha-BHC~~ NT	13.28	1594	37321	1.15	ng/ml	100
3)	~~#beta-BHC~~ NT	18.54	2225	3262039	129.99	ng/ml	100
4)	~~#delta-BHC~~ NT	19.67	2360	558056	21.28	ng/ml	100
5)	#gamma-BHC (Lindane)	15.26	1831	27940	.822	ng/ml	100
6)	#Heptachlor	16.38	1966	213861	4.57	ng/ml	100
7)	#Aldrin	17.44	2093	4980678	133.01	ng/ml	100
9)	~~#Endosulfan~~ I NT	21.74	2609	79936	2.29	ng/ml	100
10)	#Dieldrin	23.37	2804	1240737	38.66	ng/ml	100
11)	~~#4,4'-DDE~~ NT	22.71	2725	2731822	96.47	ng/ml	100
12)	#Endrin	24.24	2909	10135006	349.02	ng/ml	100
13)	~~#Endosulfan I~~ I NT	26.79	3214	561078	16.39	ng/ml	100
14)	~~#4,4'-DDD~~ NT	26.59	3190	10714952	557.43	ng/ml	100
16)	#4,4'-DDT	27.41	3289	111640	6.39	ng/ml	100
17)	~~#Methoxychlor~~ NT	30.94	3712	96617	7.22	ng/ml	100
18)	~~#Endrin ketone~~ NT	32.93	3951	115733	3.65	ng/ml	100
20)	~~#alpha-Chlordane~~ NT	22.20	2664	3854073	92.51	ng/ml	100
21)	~~#gamma-Chlordane~~ NT	21.96	2635	609762	15.22	ng/ml	100
23)	~~#Aroclor 1016(1)~~ NP	12.07	1448	150786	124.48	ng/ml	100
24)	~~#Aroclor 1221(1)~~ NP	7.55	906	54173	70.87	ng/ml	100
25)	~~#Aroclor 1232(1)~~ NP	7.55	906	54173	49.08	ng/ml	100
26)	~~#Aroclor 1242(1)~~ NP	12.07	1448	150786	146.78	ng/ml	100
27)	~~#Aroclor-1248(1)~~ NP	13.83	1660	666232	648.12	ng/ml	100
28)	#Aroclor-1254(1)	17.44	2093	4978114	3139.66	ng/ml	100
29)	~~#Aroclor 1260(1)~~ NP	23.76	2851	6354234	2560.61	ng/ml	100
30)	~~#Endrin aldehyde~~ NT	28.92	3470	433012	13.47	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.41	3409	4554402	6726.10	ng/ml	100
33)	~~#Toxaphene(4)~~ NP	31.68	3801	223849	431.90	ng/ml	100
34)	~~#Aroclor 1016(2)~~	13.83	1660	666232	269.71	ng/ml	100
35)	~~#Aroclor 1016(3)~~ NP	15.97	1916	2829520	704.11	ng/ml	100
36)	~~#Aroclor 1016(4)~~	16.52	1983	587514	395.54	ng/ml	100
37)	~~#Aroclor 1016(5)~~	18.54	2225	3262039	1669.42	ng/ml	100
38)	~~#Aroclor 1221(2)~~	11.05	1326	29415	45.13	ng/ml	100
39)	~~#Aroclor-1221(3)~~ NP	12.07	1448	150786	88.93	ng/ml	100
40)	~~#Aroclor-1232(2)~~	12.07	1448	150786	132.79	ng/ml	100
41)	~~#Aroclor 1232(3)~~	13.83	1660	666232	667.58	ng/ml	100
42)	~~#Aroclor 1232(4)~~ NP	15.97	1916	2829520	1738.01	ng/ml	100
43)	~~#Aroclor 1242(2)~~	13.83	1660	666232	344.55	ng/ml	100
44)	~~#Aroclor 1242(3)~~ NP	15.97	1916	2829520	897.55	ng/ml	100
45)	~~#Aroclor 1242(4)~~	16.52	1983	587514	513.35	ng/ml	100

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7/23/96

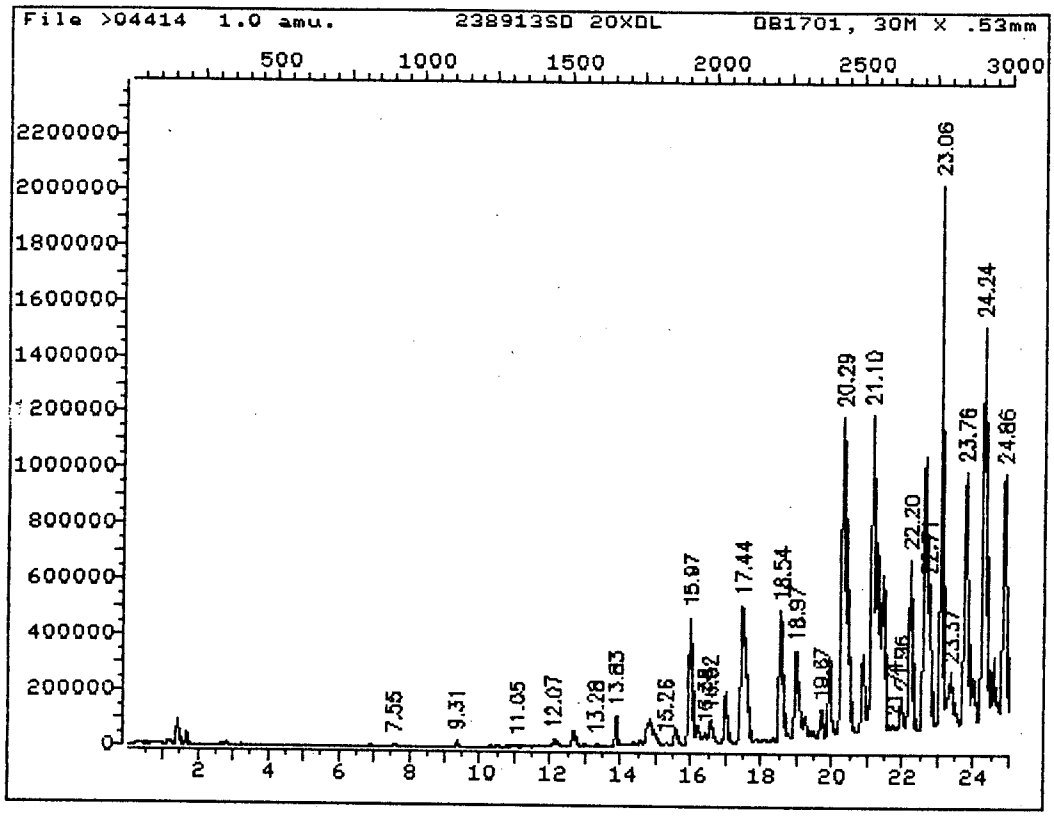
Operator ID: TRFI2 Quant Rev: 7 Quant Time: 960718 02:56
Output File: ^04414::GQ Injected at: 960718 02:05
Data File: >04414::G4 Dilution Factor: 1.00000
Name: 238913SD 20XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
46)	~~#Aroclor-1242(5)~~ NP	17.44	2093	4978114	5823.51	ng/ml	100
47)	~~#Aroclor-1248(2)~~	15.97	1916	2829520	1047.61	ng/ml	100
48)	~~#Aroclor-1248(3)~~	18.54	2225	3262039	1347.68	ng/ml	100
49)	~~#Aroclor-1248(4)~~ NP	18.97	2276	2314445	1266.50	ng/ml	100
50)	~~#Aroclor-1248(5)~~	20.29	2435	7942022	6961.80	ng/ml	100
51)	#Aroclor-1254(2)	20.29	2435	7942022	3696.13	ng/ml	100
52)	#Aroclor-1254(3)	21.10	2532	6988907	3803.26	ng/ml	100
53)	#Aroclor-1254(4)	23.06	2767	12362364	4758.69	ng/ml	100
54)	#Aroclor-1254(5)	23.76	2851	6354234	4467.29	ng/ml	100
55)	~~#Aroclor-1260(2)~~	24.86	2983	6209123	2175.11	ng/ml	100
56)	~~#Aroclor-1260(3)~~	28.41	3409	4525257	2721.03	ng/ml	100
57)	~~#Aroclor-1260(4)~~ NP	30.00	3600	2701747	631.61	ng/ml	100
58)	~~#Aroclor-1260(5)~~	31.99	3838	2243973	814.11	ng/ml	100

Compound uses ESTD

EPrice
7/23/96

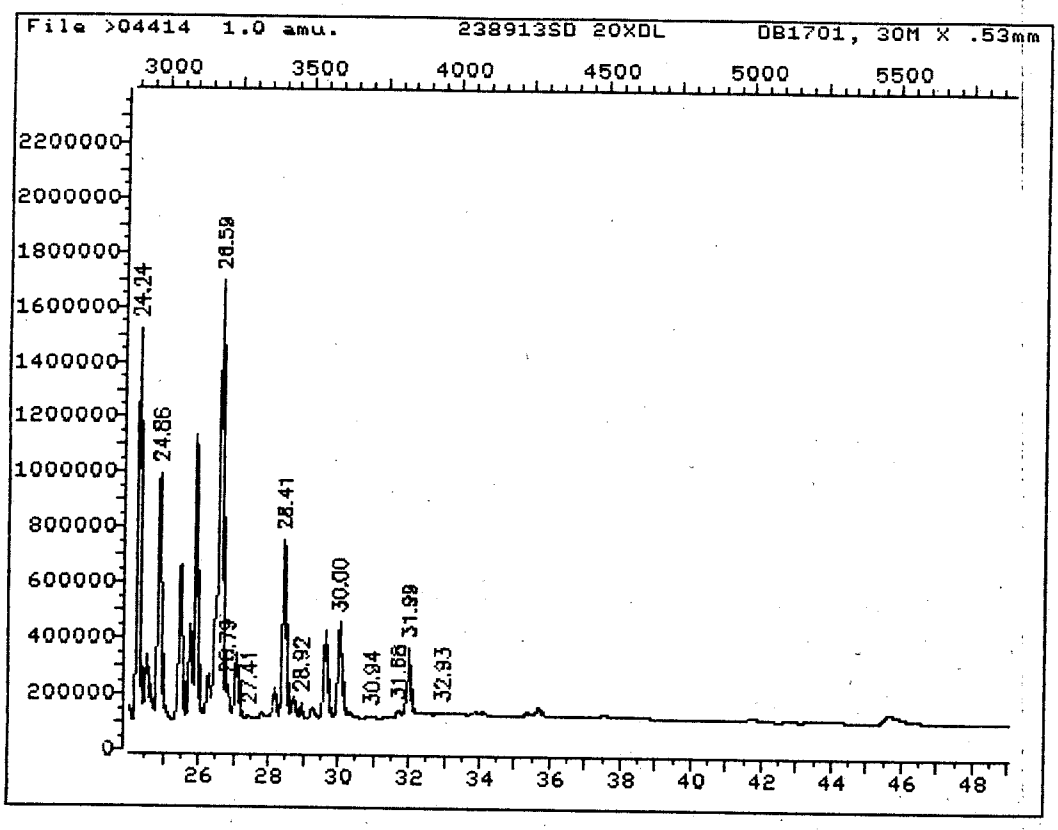


Data File: >04414::G4 Quant Output File: ^04414::GQ
Name: 238913SD 20XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 02:56
Injected at: 960718 02:05

Page 1 of 2

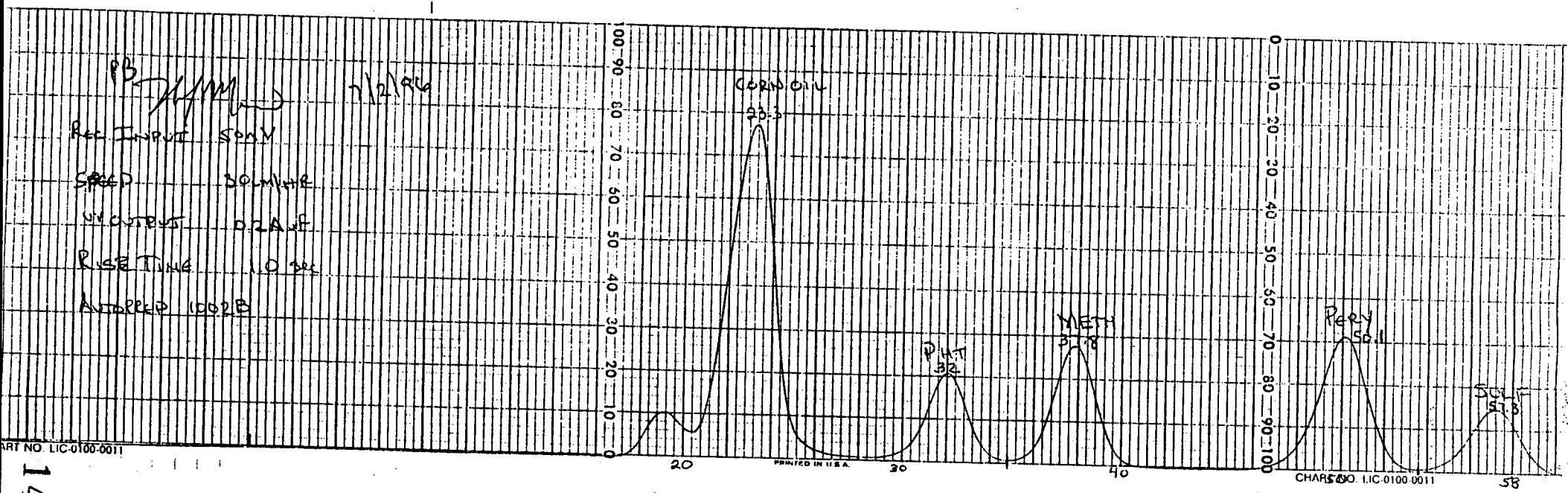


Data File: >04414::G4 Quant Output File: ^04414::GQ
Name: 238913SD 20XDL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFI2
Quant Time : 960718 02:56
Injected at: 960718 02:05

Page 2 of 2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7/2/96
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UV OUTPUT 0.2AUF
RISE TIME 1.0 sec
AUTOPREP 1002B
CORN OIL
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PHT
METH
PERY SOL
SCHF
57.3
20
30
40
50
100 90 80 70 60 50 40 30 20 10 0
0 10 20 30 40 50 60 70 80 90 100
PRINTED IN U.S.A.
CHART NO. LIC-0100-0011
ART NO. LIC-0100-0011

1433

QUANT REPORT

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

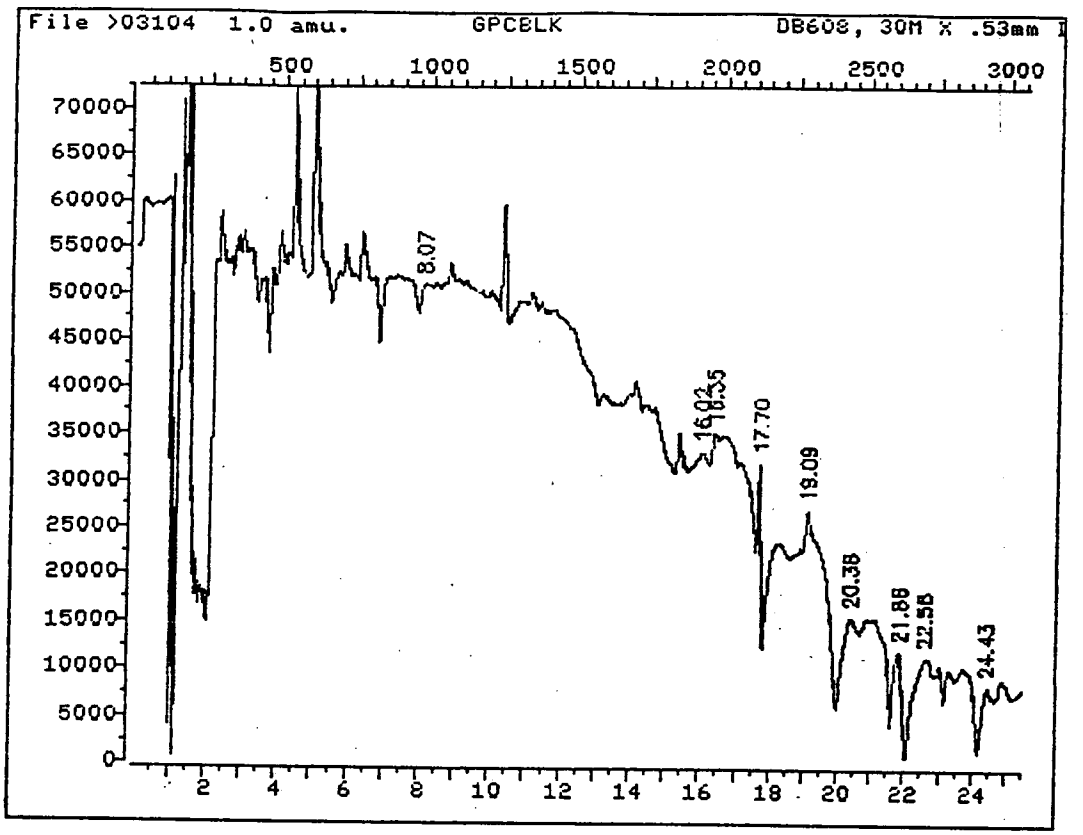
Quant Rev: 7
Quant Time: 960705 17:18
Injected at: 960702 05:54
Dilution Factor: 1.00000
Instrument ID: GC03

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
4)	#~~delta-BHC~~ NC	16.35	1962	21247	.176	ng/ml	100
6)	#~~Heptachlor~~ OW	16.02	1922	13849	.177	ng/ml	100
13)	#~~Endosulfan II~~ OW	25.99	3119	8557	.0888	ng/ml	100
14)	#~~4,4'-DDD~~ NC	25.51	3061	33993	.590	ng/ml	100
15)	#~~Endosulfan Sulfate~~ NC	28.33	3399	565990	6.39	ng/ml	100
17)	#~~Methoxychlor~~ <CRQL	32.49	3898	138230	3.56	ng/ml	100
24)	#~~Aroclor-1221(1)~~ NP	8.07	968	21791	25.70	ng/ml	100
27)	#~~Aroclor-1248(1)~~ NP	16.02	1922	14749	1.95	ng/ml	100
29)	#~~Aroclor-1260(1)~~ NP	24.43	2931	125299	16.16	ng/ml	100
32)	#Toxaphene(3) NP	28.33	3399	565990	226.44	ng/ml	100
35)	#~~Aroclor-1016(3)~~ NP	16.02	1922	14749	1.34	ng/ml	100
37)	#~~Aroclor-1016(5)~~ NP	19.09	2291	29273	8.62	ng/ml	100
41)	#~~Aroclor-1232(3)~~ NP	16.02	1922	14749	3.13	ng/ml	100
44)	#~~Aroclor-1242(3)~~ NP	16.02	1922	14749	1.65	ng/ml	100
46)	#~~Aroclor-1242(5)~~ NP	19.09	2291	29273	9.79	ng/ml	100
47)	#~~Aroclor-1248(2)~~ NP	17.70	2124	123873	47.49	ng/ml	100
48)	#~~Aroclor-1248(3)~~ NP	19.09	2291	29273	7.05	ng/ml	100
49)	#~~Aroclor-1248(4)~~ NP	20.38	2445	265625	54.82	ng/ml	100
50)	#~~Aroclor-1248(5)~~ NP	21.86	2623	218648	39.66	ng/ml	100
52)	#~~Aroclor-1254(3)~~ NP	22.58	2709	229328	142.23	ng/ml	100
56)	#~~Aroclor-1260(3)~~ NP	26.59	3191	41910	8.03	ng/ml	100
58)	#~~Aroclor-1260(5)~~ NP	32.97	3956	6288	1.14	ng/ml	100

Compound uses ESTD

7/13/96

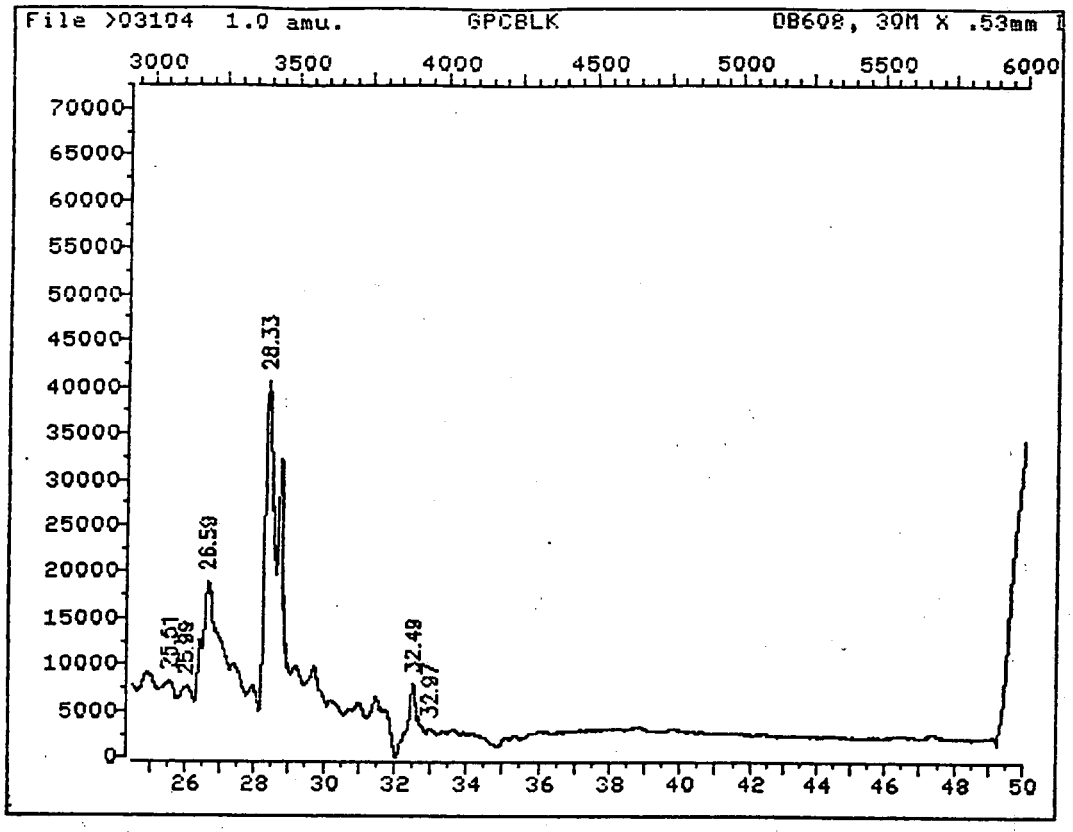


Data File: >03104::G3 Quant Output File: ^03104::F3
Name: GPCBLK Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960705 17:18
Injected at: 960702 05:54

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960705 17:18
Injected at: 960702 05:54

Page 2 of 2

QUANT REPORT

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

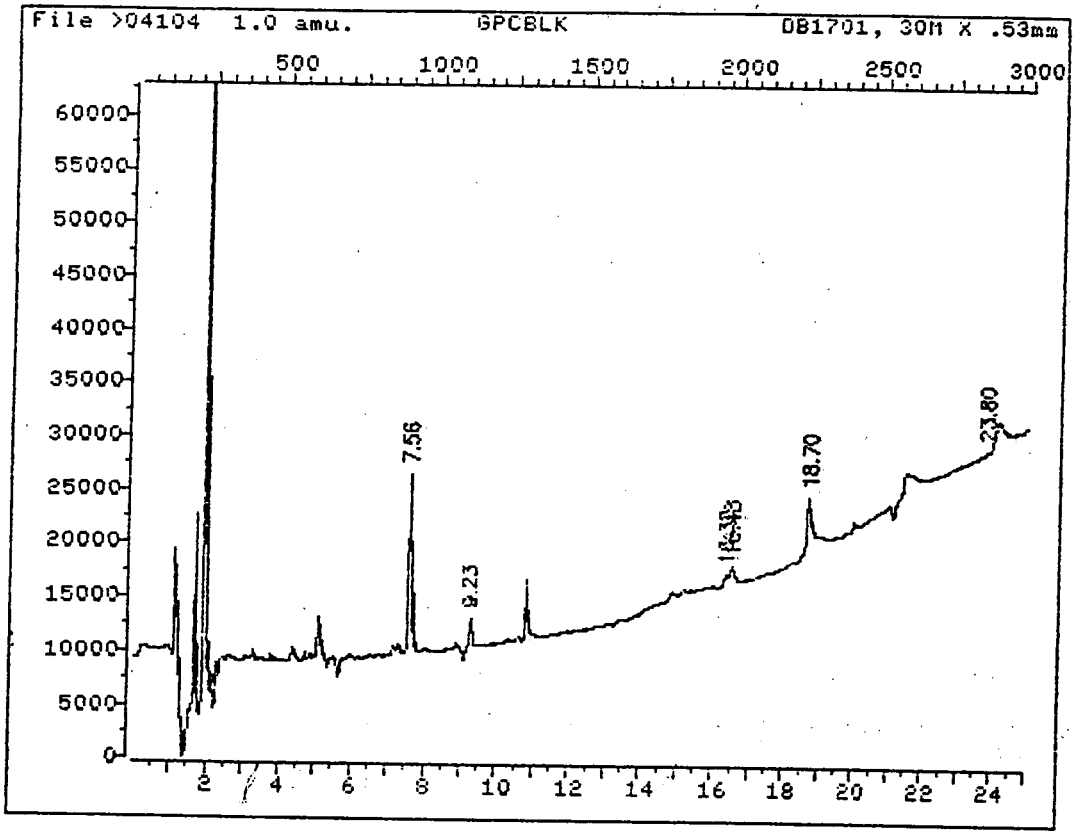
Quant Rev: 7
Quant Time: 960705 18:19
Injected at: 960702 05:54
Dilution Factor: 1.00000
Instrument ID: GC04

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

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

Compound uses ESTD

7/16/96

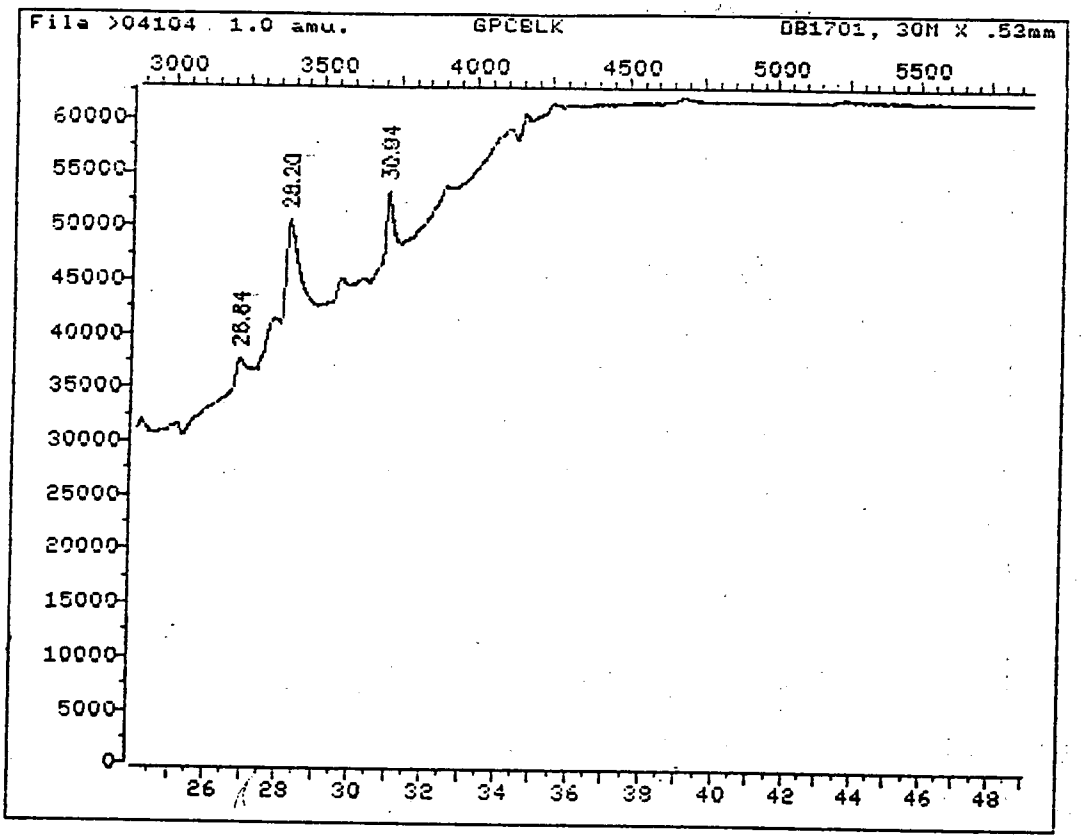


Data File: >04104::G5 Quant Output File: ^04104::F3
Name: GPCBLK Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960705 18:19
Injected at: 960702 05:54

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960705 18:19
Injected at: 960702 05:54

Page 2 of 2

QUANT REPORT

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

Quant Rev: 7
Quant Time: 960704 15:21
Injected at: 960702 00:13
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2502822	20.00	ng/ml	100
2)	#alpha-BHC	0.020	12.47	1497	2960652	20.00	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.37	1724	2733103	20.00	ng/ml	100
6)	#Heptachlor	0.020	15.86	1903	1560500	20.00	ng/ml	100
9)	#Endosulfan I	0.020	21.60	2592	2436935	20.00	ng/ml	100
10)	#Dieldrin	0.040	23.04	2765	3782044	40.00	ng/ml	100
12)	#Endrin	0.040	24.83	2979	3423695	40.00	ng/ml	100
14)	#4,4'-DDD	0.040	25.63	3075	2303959	40.00	ng/ml	100
16)	#4,4'-DDT	0.040	27.21	3265	2592689	40.00	ng/ml	100
17)	#Methoxychlor	0.200	32.46	3895	7764862	200.05	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.68	5001	4771763	40.00	ng/ml	100

Compound uses ESTD

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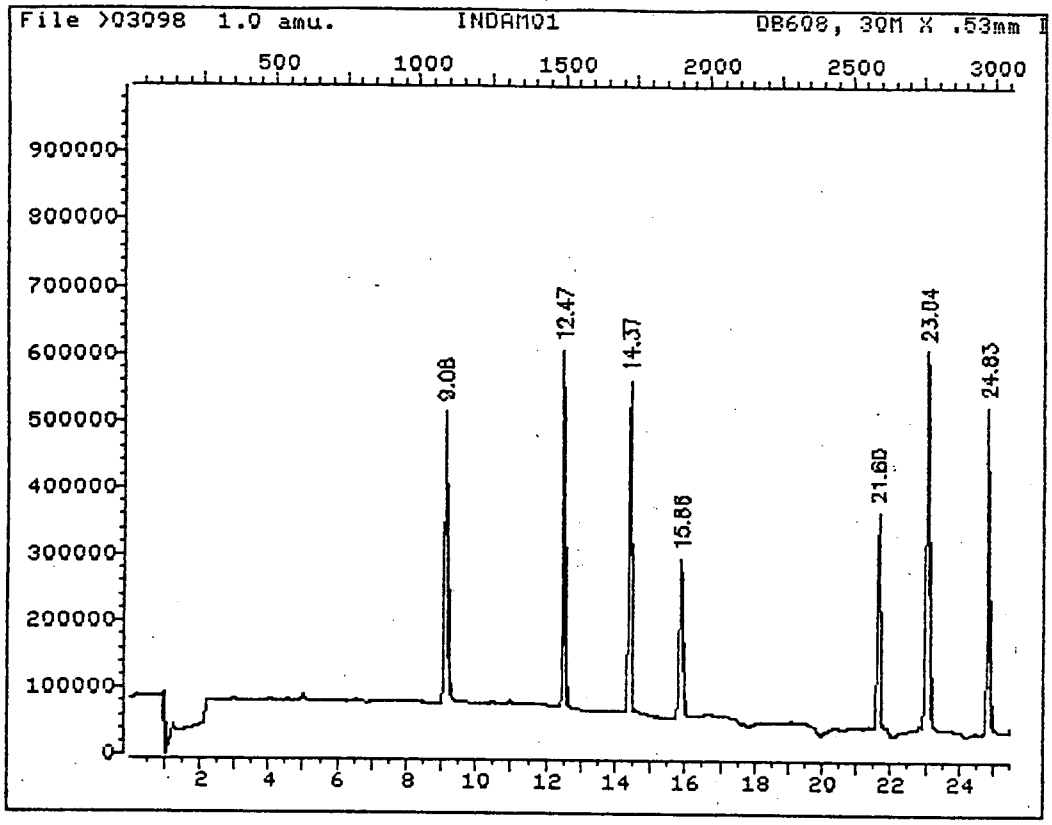
7/9/96

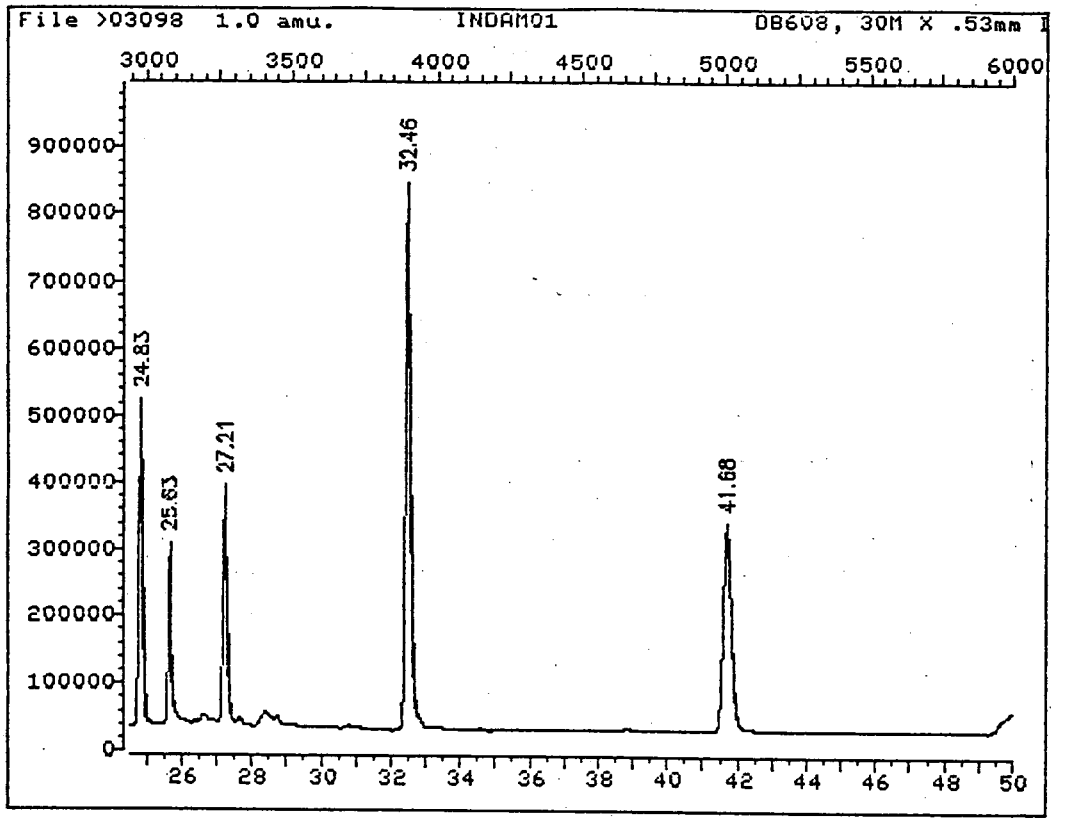


Data File: >03098::G3 Quant Output File: ^03098::F3
Name: INDAM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960704 15:21
Injected at: 960702 00:13

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960704 15:21
Injected at: 960702 00:13

Page 2 of 2

QUANT REPORT

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

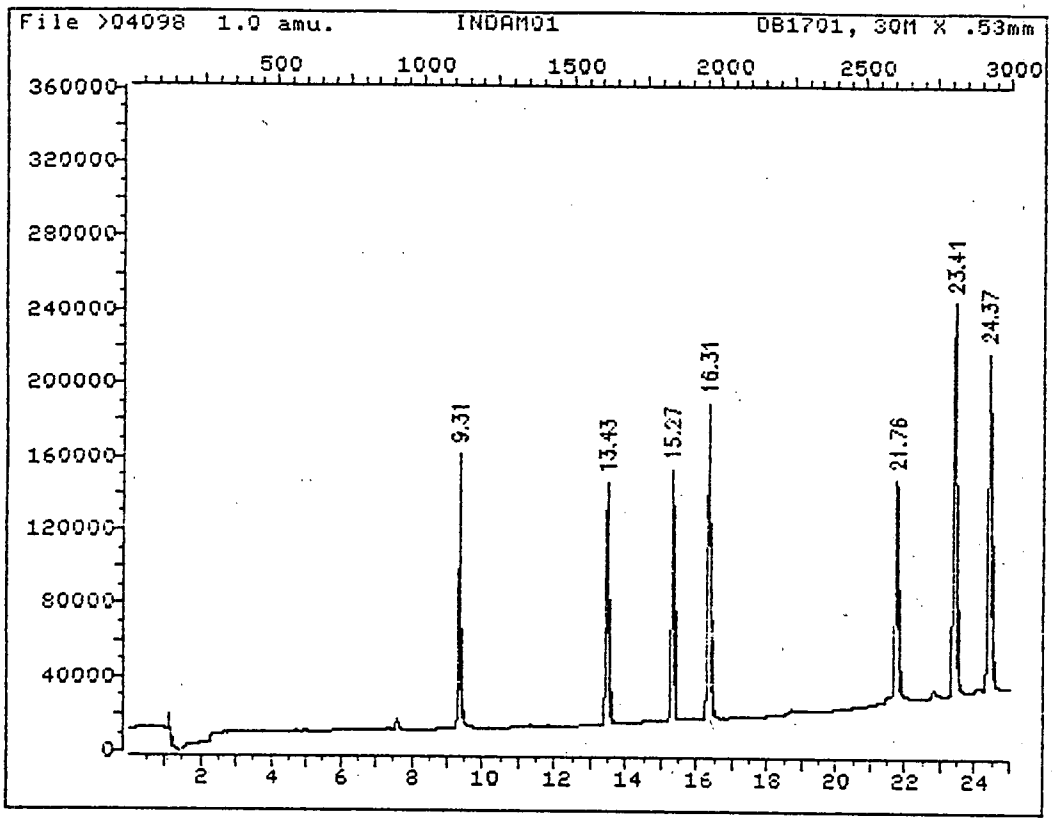
Quant Rev: 7
Quant Time: 960702 22:05
Injected at: 960702 00:13
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	828292	20.00	ng/ml	100
2)	#alpha-BHC	0.020	13.43	1612	655302	20.00	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	15.27	1833	680084	20.00	ng/ml	100
6)	#Heptachlor	0.020	16.31	1957	948588	20.00	ng/ml	100
9)	#Endosulfan I	0.026	21.76	2611	714109	20.00	ng/ml	100
10)	#Dieldrin	0.040	23.41	2809	1298987	40.00	ng/ml	100
12)	#Endrin	0.040	24.37	2924	1159534	40.00	ng/ml	100
14)	#4,4'-DDD	0.040	26.54	3184	845236	40.00	ng/ml	100
16)	#4,4'-DDT	0.040	27.44	3292	659176	40.00	ng/ml	100
17)	#Methoxychlor	0.200	30.85	3702	2691965	200.36	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.71	4645	1867929	40.00	ng/ml	100

Compound uses ESTD

EPM
7/10/96

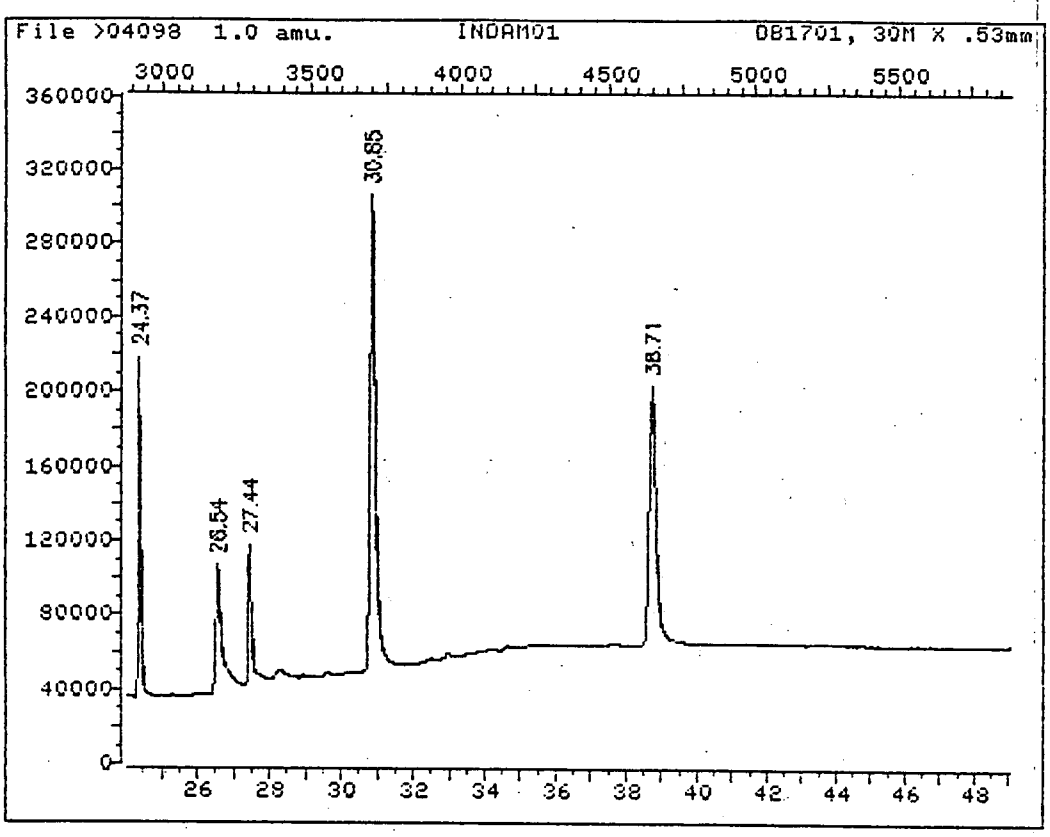


Data File: >04098::G5 Quant Output File: ^04098::F3
Name: INDAM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960702 22:05
Injected at: 960702 00:13

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960702 22:05
Injected at: 960702 00:13

Page 2 of 2

QUANT REPORT

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

Quant Rev: 7
Quant Time: 960704 15:22
Injected at: 960702 01:09
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2478569	19.81	ng/ml	100
3)	#beta-BHC	0.020	14.80	1776	1641629	20.00	ng/ml	100
4)	#delta-BHC	0.020	16.50	1980	2417660	20.00	ng/ml	100
7)	#Aldrin	0.020	17.37	2084	2695028	20.00	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.03	2404	2196866	20.00	ng/ml	100
11)	#4,4'-DDE 0.040	~~0.020~~	22.83	2740	3659165	40.01	ng/ml	100
13)	#Endosulfan II	0.040	25.81	3097	3852477	40.00	ng/ml	100
15)	#Endosulfan Sulfate	0.040	28.33	3399	3545364	40.00	ng/ml	100
18)	#Endrin ketone	0.040	32.78	3933	3601385	40.00	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.68	5002	4787890	40.14	ng/ml	100
20)	#alpha-Chlordane	0.020	21.53	2583	2746479	20.00	ng/ml	100
21)	#gamma-Chlordane	0.020	20.78	2494	2356816	20.00	ng/ml	100
30)	#Endrin aldehyde	0.040	27.62	3314	3155127	40.00	ng/ml	100

Compound uses ESTD

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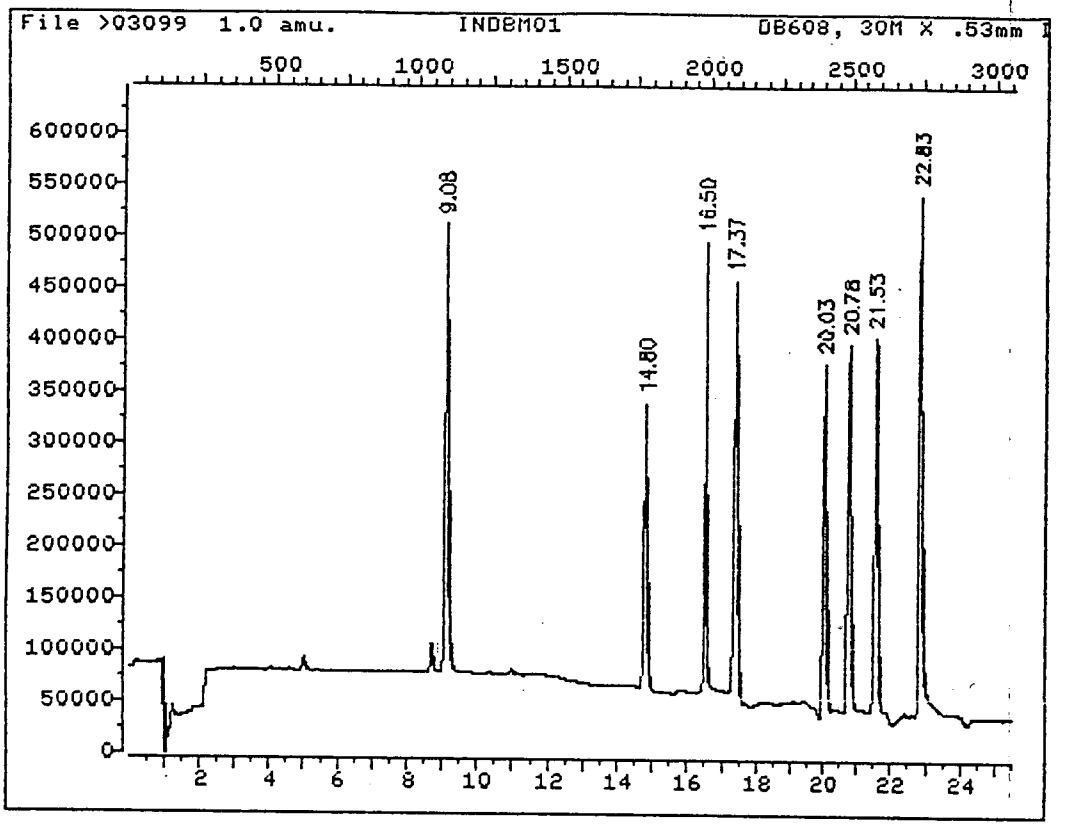
7/9/96

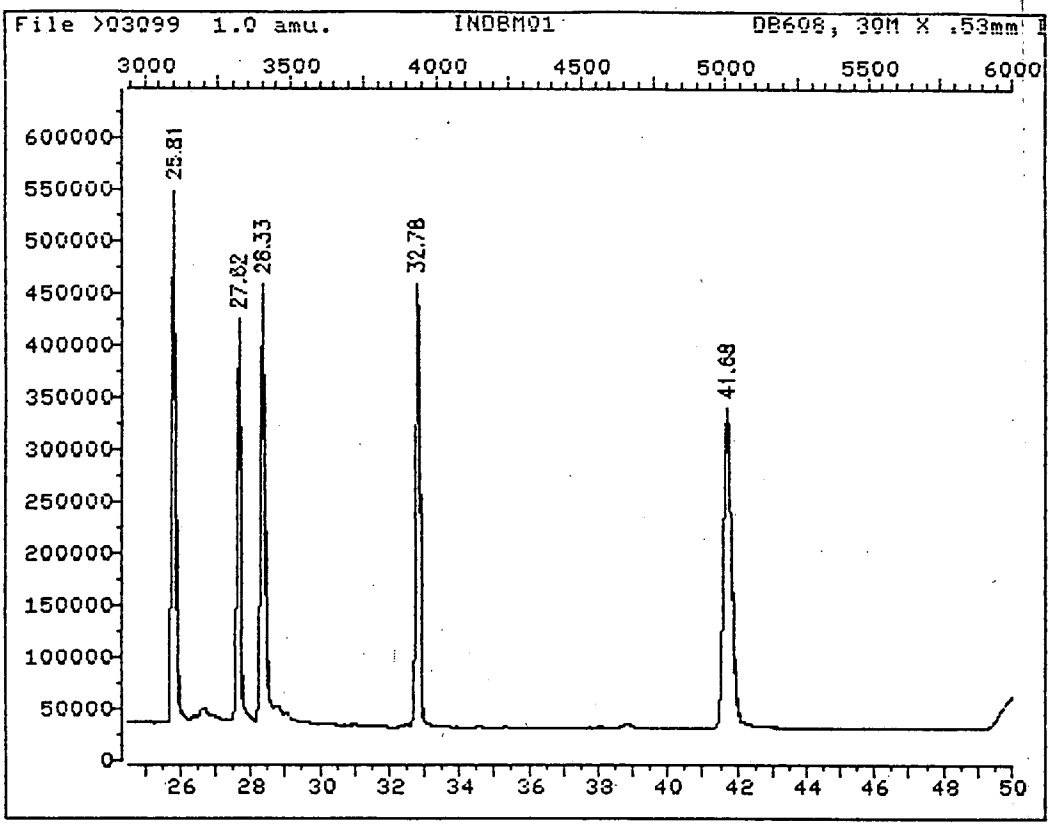


Data File: >03099::G3 Quant Output File: ^03099::F3
Name: INDBM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960704 15:22
Injected at: 960702 01:09

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960704 15:22
Injected at: 960702 01:09

Page 2 of 2

QUANT REPORT

Operator ID: TRFIL Quant Rev: 7 Quant Time: 960702 22:06
Output File: ^04099::F3 Injected at: 960702 01:09
Data File: >04099::G5 Dilution Factor: 1.00000
Name: INDBM01 Instrument ID: GC04
Disc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	828305	20.00	ng/ml	100
3)	#beta-BHC	0.020	18.63	2236	525511	20.00	ng/ml	100
4)	#delta-BHC	0.020	19.71	2365	487440	20.00	ng/ml	100
7)	#Aldrin	0.020	17.58	2109	753212	20.00	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.55	2466	873389	20.00	ng/ml	100
11)	#4,4'-DDE	0.040	22.77	2732	1110389	40.00	ng/ml	100
13)	#Endosulfan II	0.040	26.75	3210	1431609	40.00	ng/ml	100
15)	#Endosulfan Sulfate	0.040	30.61	3673	1058271	40.00	ng/ml	100
18)	#Endrin ketone	0.040	32.94	3953	1126314	40.00	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.72	4646	1878491	40.23	ng/ml	100
20)	#alpha-Chlordane	0.020	22.24	2669	834085	20.00	ng/ml	100
21)	#gamma-Chlordane	0.020	21.99	2639	799259	20.00	ng/ml	100
30)	#Endrin aldehyde	0.040	28.87	3464	1215421	40.00	ng/ml	100

Compound uses ESTD

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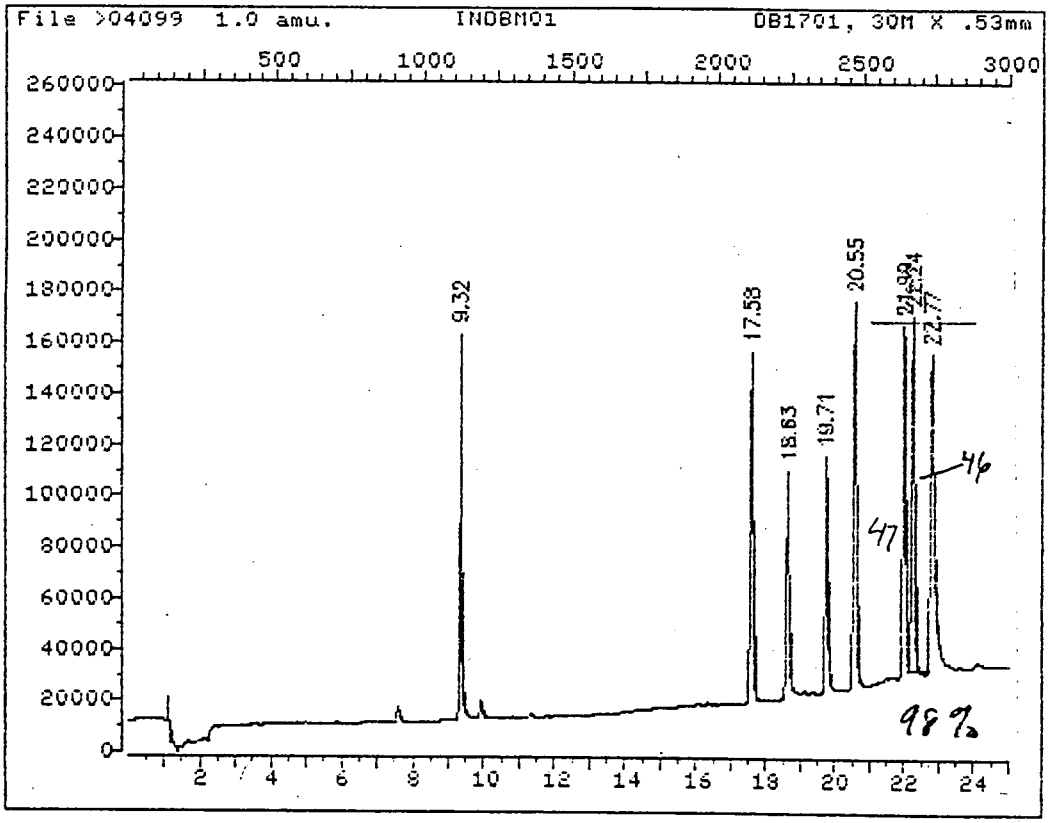
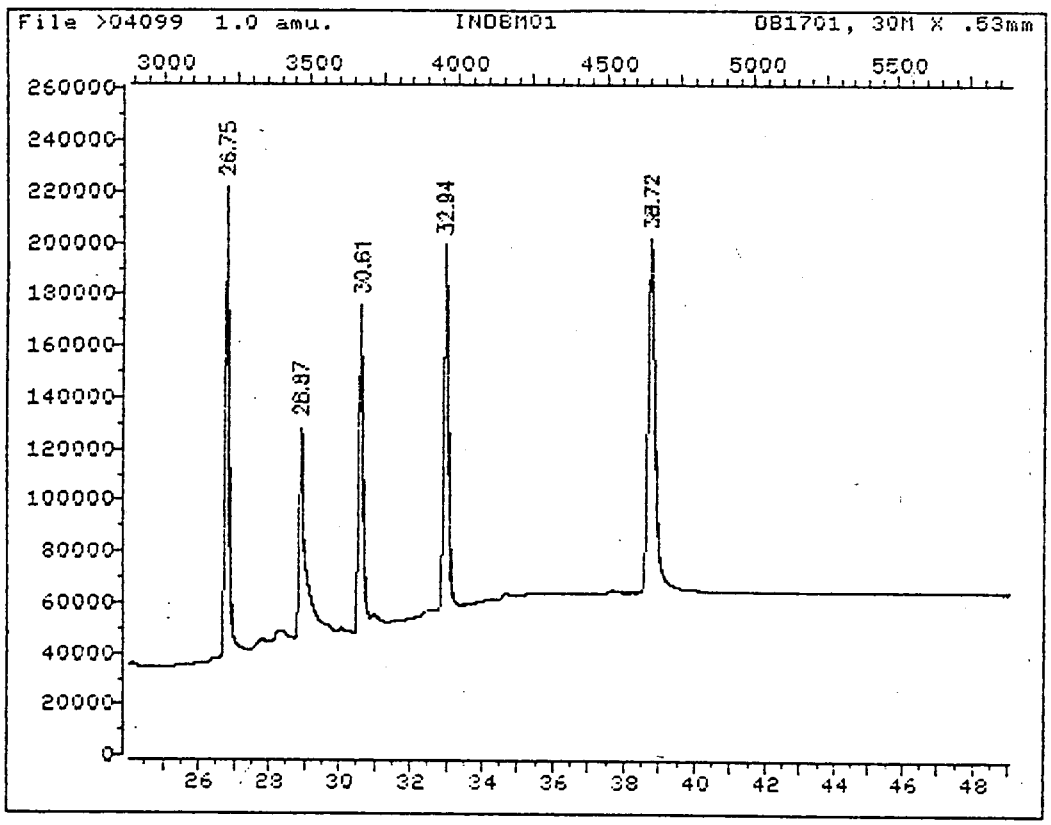


Data File: >04099::G5 Quant Output File: ^04099::F3
Name: INDBM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2



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

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

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

Page 2 of 2

QUANT REPORT

Operator ID: TRFIL
Output File: ^03089::F3
Data File: >03089::G3
Name: AR1660-01
Disc: DB608, 30M X .53mm INST 58903, 1ul INJ

Quant Rev: 7
Quant Time: 960702 21:18
Injected at: 960701 15:43
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	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2412180	19.28	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.68	5002	2532246	21.23	ng/ml	100
23)	#Aroclor-1016(1)	0.100	12.30	1476	293975	100.00	ng/ml	100
29)	#Aroclor-1260(1)	0.100	24.41	2929	775205	100.88	ng/ml	100
34)	#Aroclor-1016(2)	0.100	14.31	1717	653698	100.00	ng/ml	100
35)	#Aroclor-1016(3)	0.100	16.03	1924	1104573	100.00	ng/ml	100
36)	#Aroclor-1016(4)	0.100	16.78	2014	373455	100.00	ng/ml	100
37)	#Aroclor-1016(5)	0.100	19.02	2282	339766	100.34	ng/ml	100
55)	#Aroclor-1260(2)	0.100	24.87	2984	700438	100.00	ng/ml	100
56)	#Aroclor-1260(3)	0.100	26.59	3190	522025	100.00	ng/ml	100
57)	#Aroclor-1260(4)	0.100	30.18	3621	1080466	100.00	ng/ml	100
58)	#Aroclor-1260(5)	0.100	32.94	3953	552100	100.39	ng/ml	100

Compound uses ESTD

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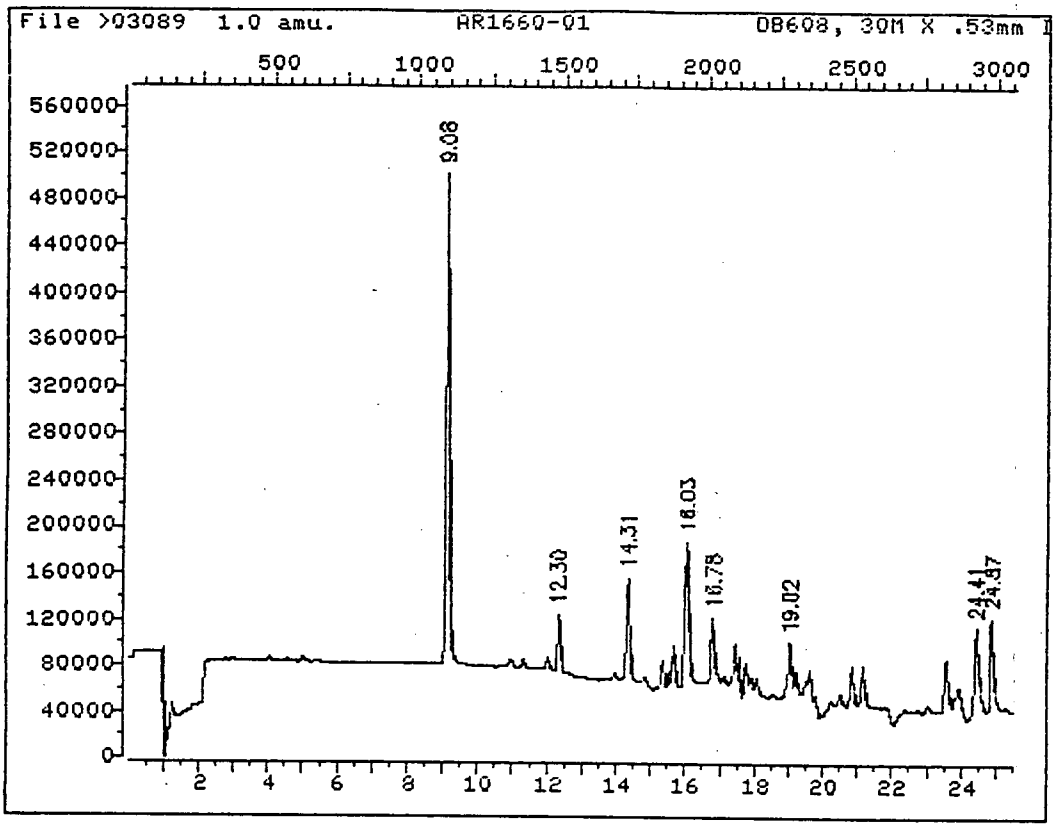
7/9/96

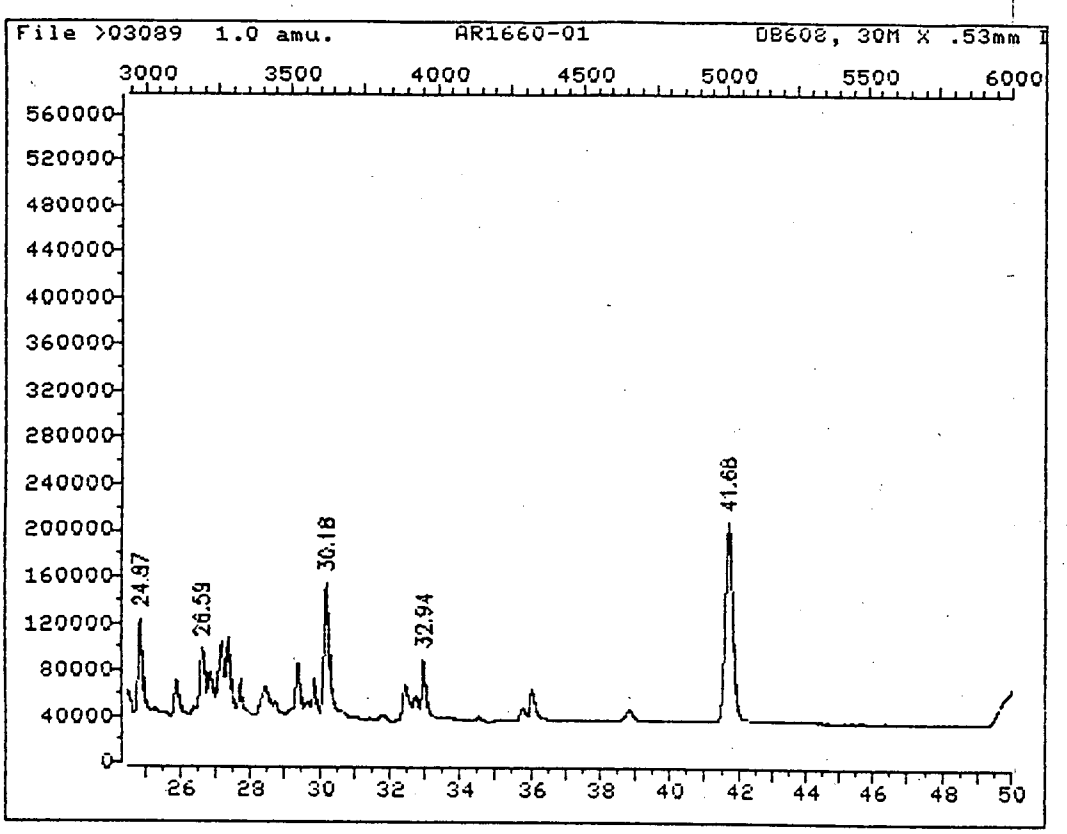


Data File: >03089::G3 Quant Output File: ^03089::F3
Name: AR1660-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2

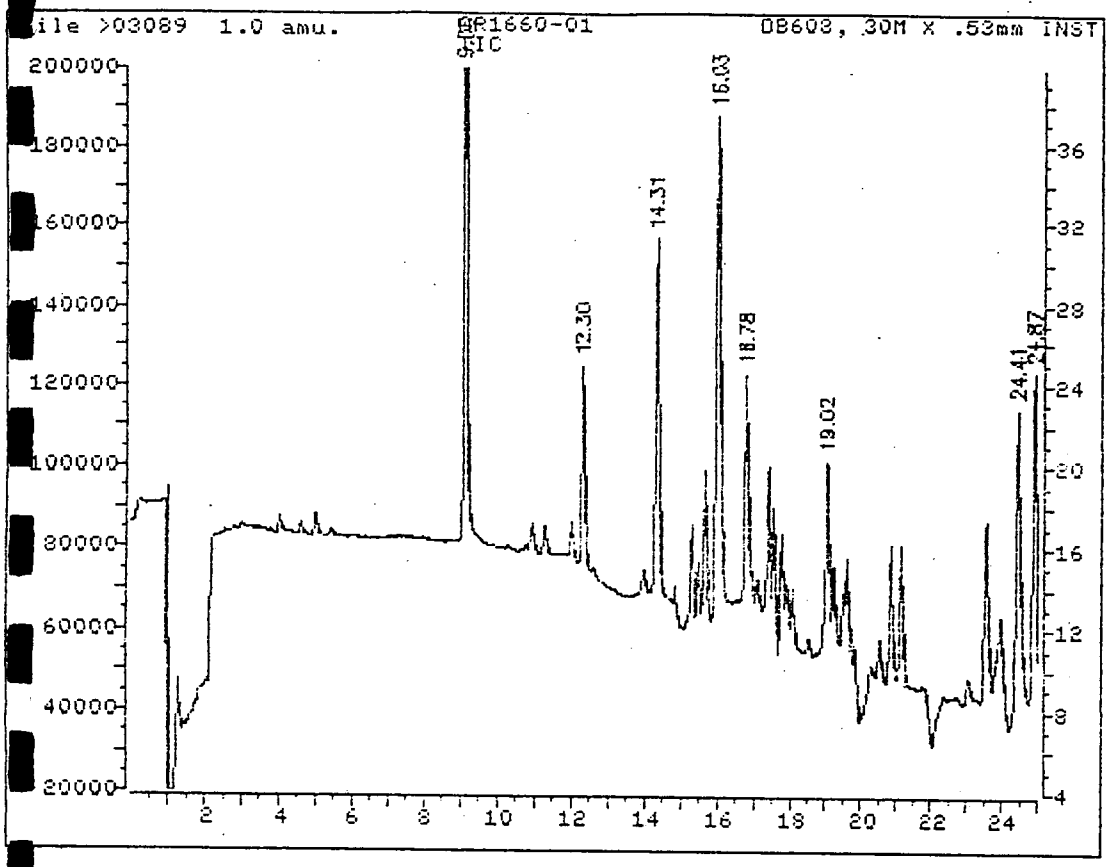


Data File: >03089::G3 Quant Output File: ^03089::F3
Name: AR1660-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

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

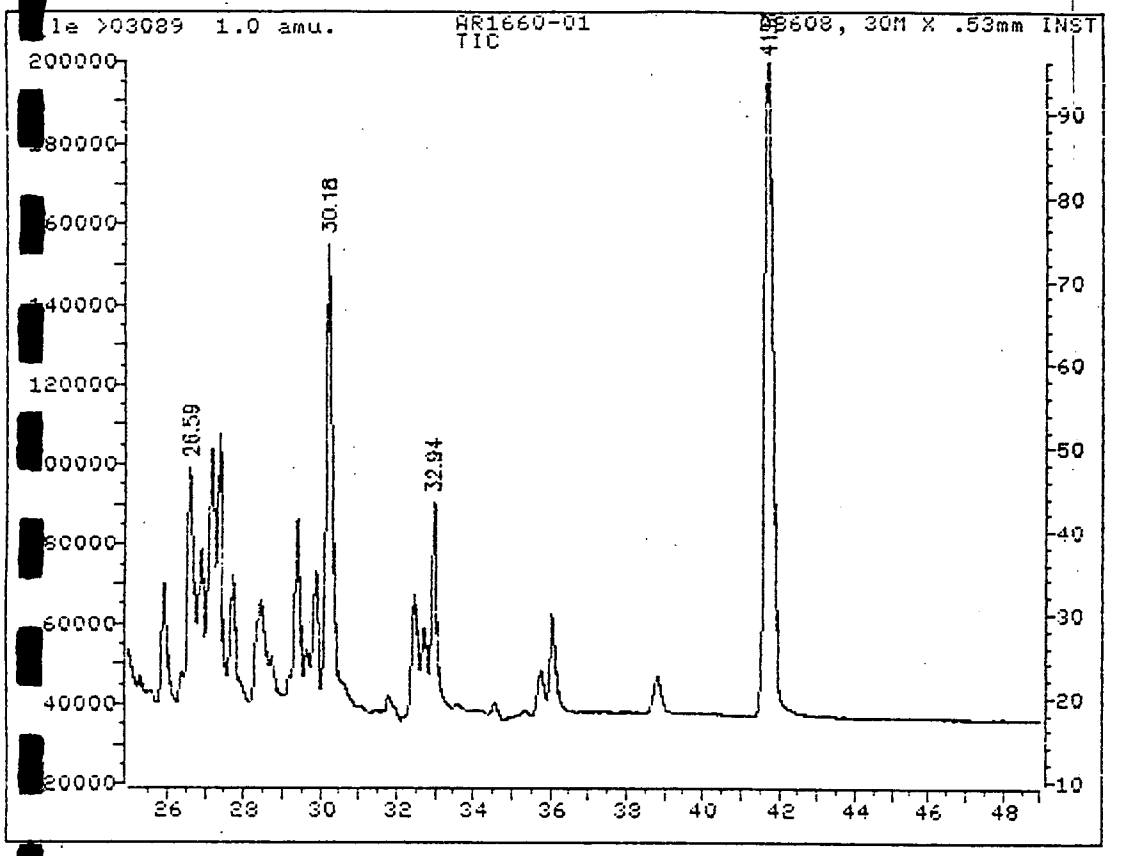
Page 2 of 2



MS data file header from : >03089::G3

Sample: AR1660-01 Operator: TRFIL 7/01/96 15:43
Misc : DB608. 30M X .53mm INST 58903. 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >03089::G3

Sample: AR1660-01 Operator: TRFIL 7/01/96 15:43
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

perator ID: TRFIL Quant Rev: 7 Quant Time: 960705 17:13
Output File: ^04089::F3 Injected at: 960701 15:43
ata File: >04089::G5 Dilution Factor: 1.00000
ame: AR166001 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	811919	19.60	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.72	4646	955931	20.47	ng/ml	100
23)	#Aroclor-1016(1)	0.100	12.08	1450	123501	100.00	ng/ml	100
29)	#Aroclor-1260(1)	0.100	23.78	2854	231033	100.00	ng/ml	100
34)	#Aroclor-1016(2)	0.100	13.85	1662	244473	100.00	ng/ml	100
35)	#Aroclor-1016(3)	0.100	15.98	1918	387913	100.00	ng/ml	100
36)	#Aroclor-1016(4)	0.100	16.55	1986	145632	100.00	ng/ml	100
37)	#Aroclor-1016(5)	0.100	18.57	2228	206068	100.00	ng/ml	100
55)	#Aroclor-1260(2)	0.100	24.92	2990	271511	100.00	ng/ml	100
56)	#Aroclor-1260(3)	0.100	28.45	3414	177484	100.00	ng/ml	100
57)	#Aroclor-1260(4)	0.100	30.07	3608	393158	100.00	ng/ml	100
58)	#Aroclor-1260(5)	0.100	32.05	3846	248345	100.00	ng/ml	100

Compound uses ESTD

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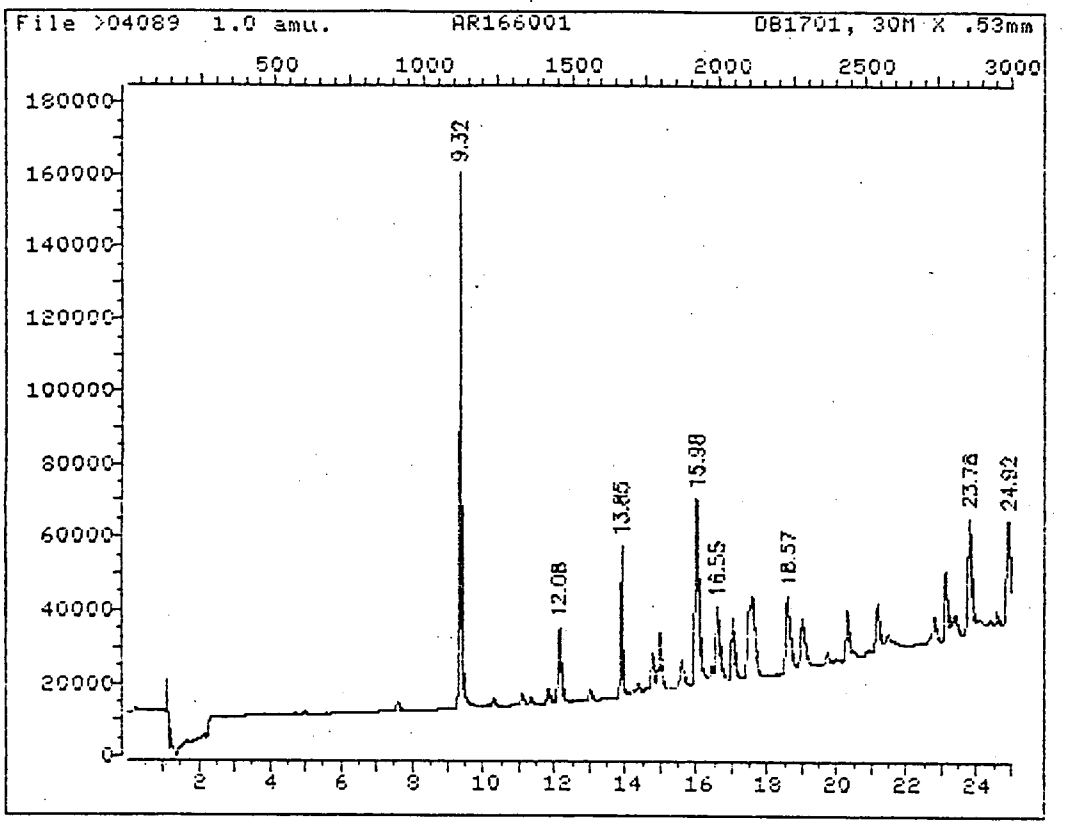
7/10/96

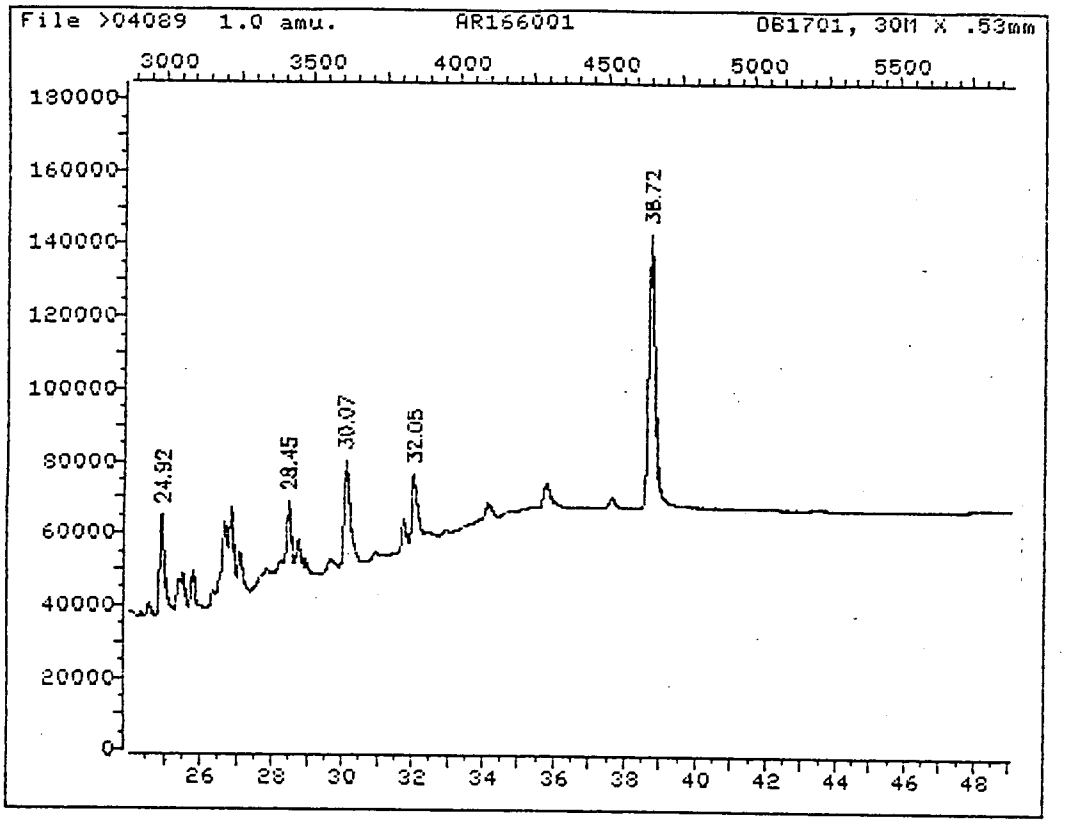


Data File: >04089::G5 Quant Output File: ^04089::F3
Name: AR166001 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941022 10:07 Last Qcal Time: 960701 21:23

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

Page 1 of 2

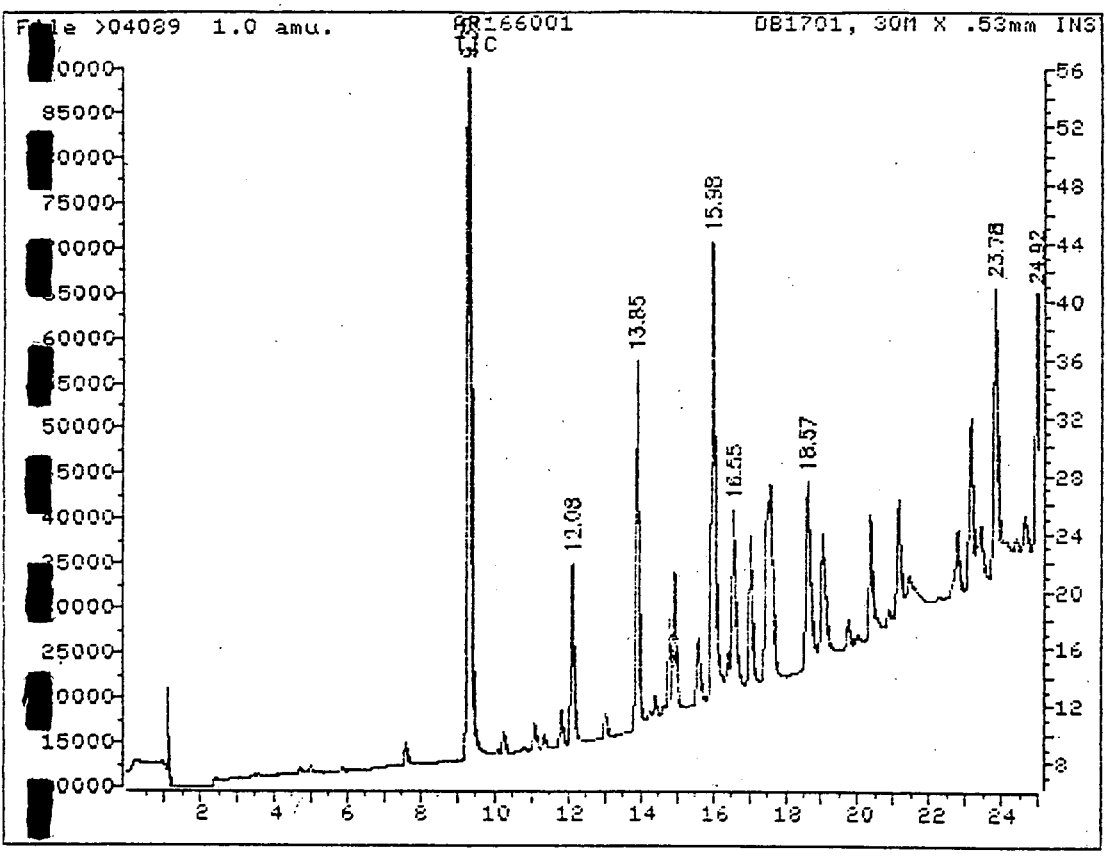


Data File: >04089::G5 Quant Output File: ^04089::F3
Name: AR166001 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

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

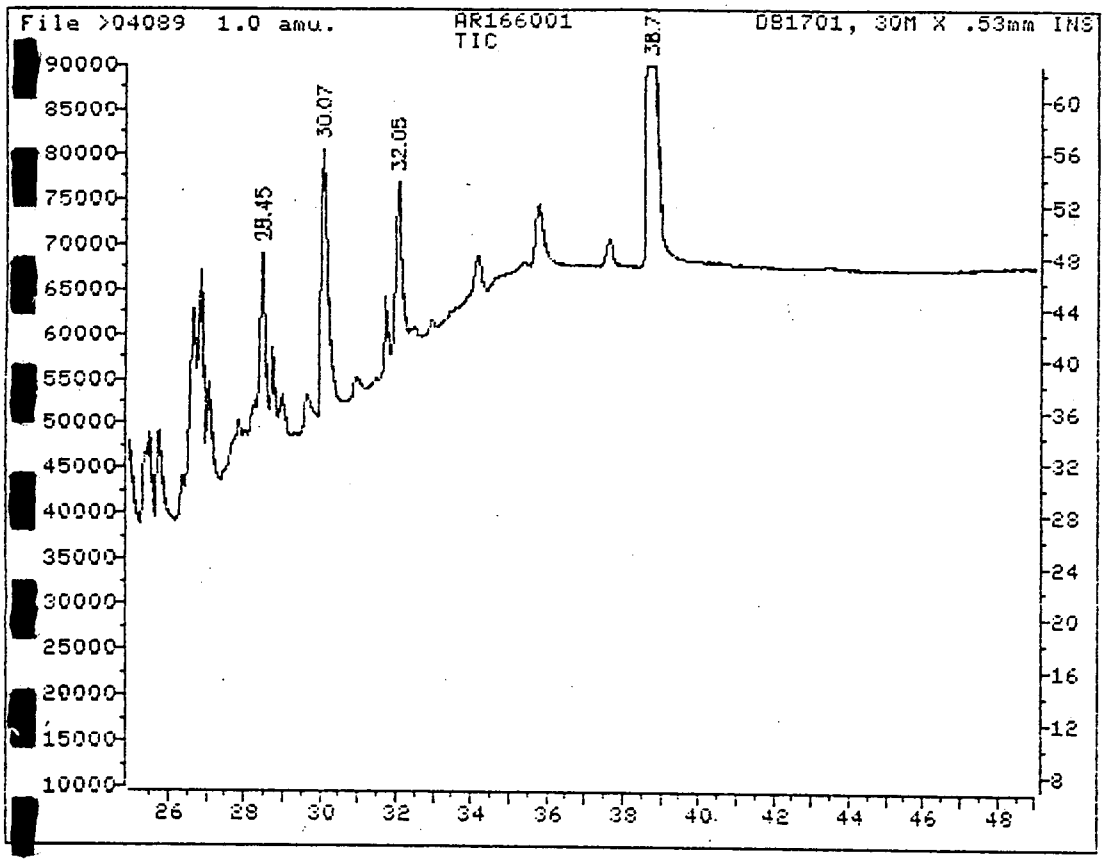
Page 2 of 2



MS data file header from : >04089::G5

Sample: AR166001 Operator: TRFIL 7/01/96 15:43
Misc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >04089::G5

Sample: AR166001 Operator: TRFIL 7/01/96 15:43
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

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

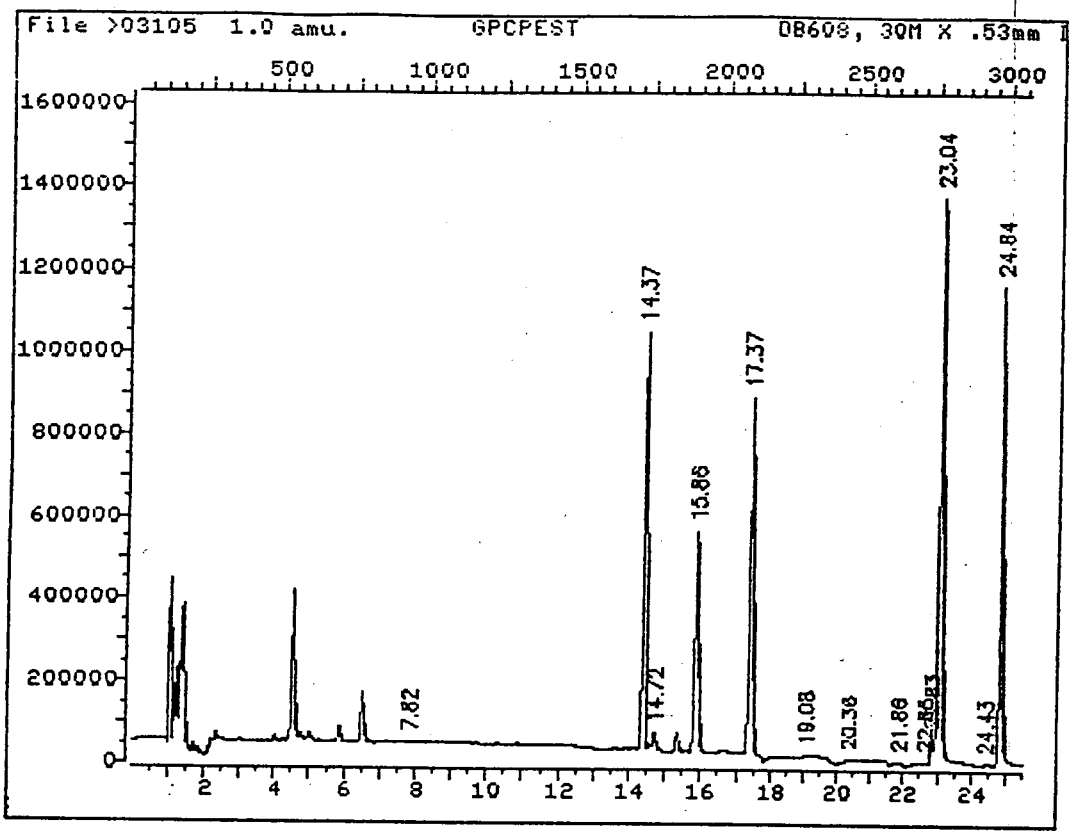
Quant Rev: 7
Quant Time: 960705 17:19
Injected at: 960702 06:51
Dilution Factor: 1.00000
Instrument ID: GC03

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

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

Compound uses ESTD

7/13/96

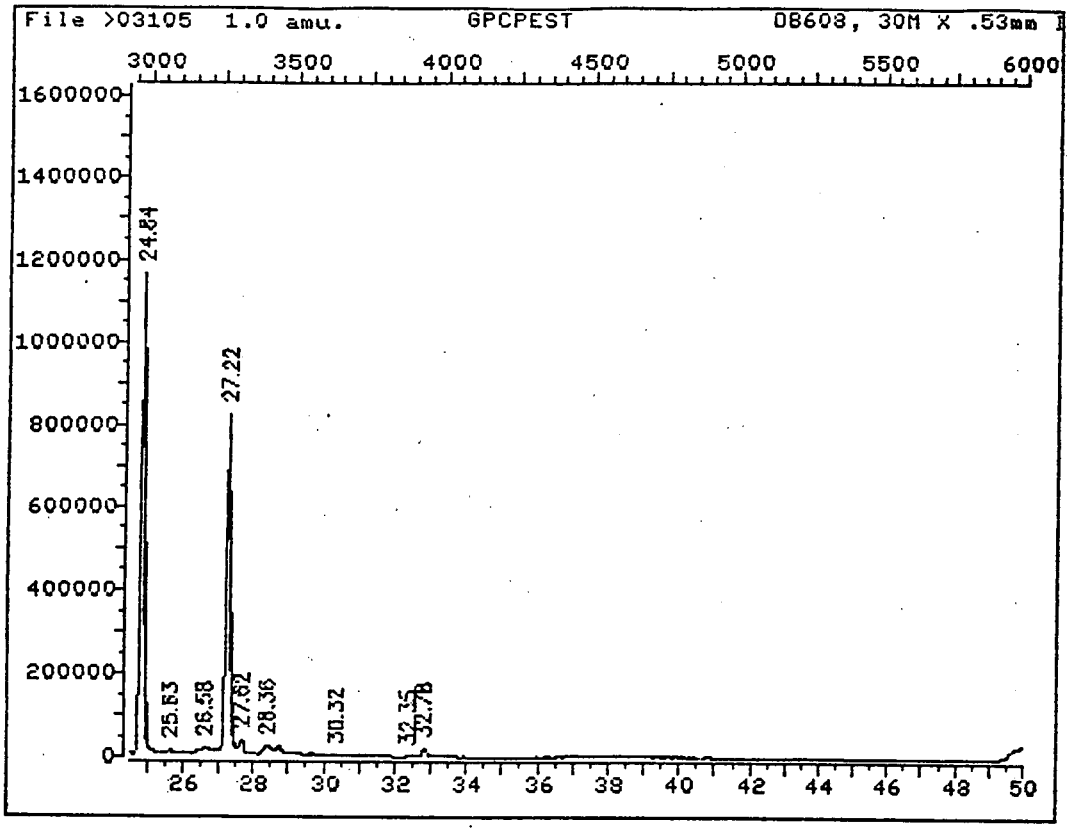


Data File: >03105::G3 Quant Output File: ^03105::F3
Name: GPCPEST Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960705 17:19
Injected at: 960702 06:51

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960705 17:19
Injected at: 960702 06:51

Page 2 of 2

QUANT REPORT

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

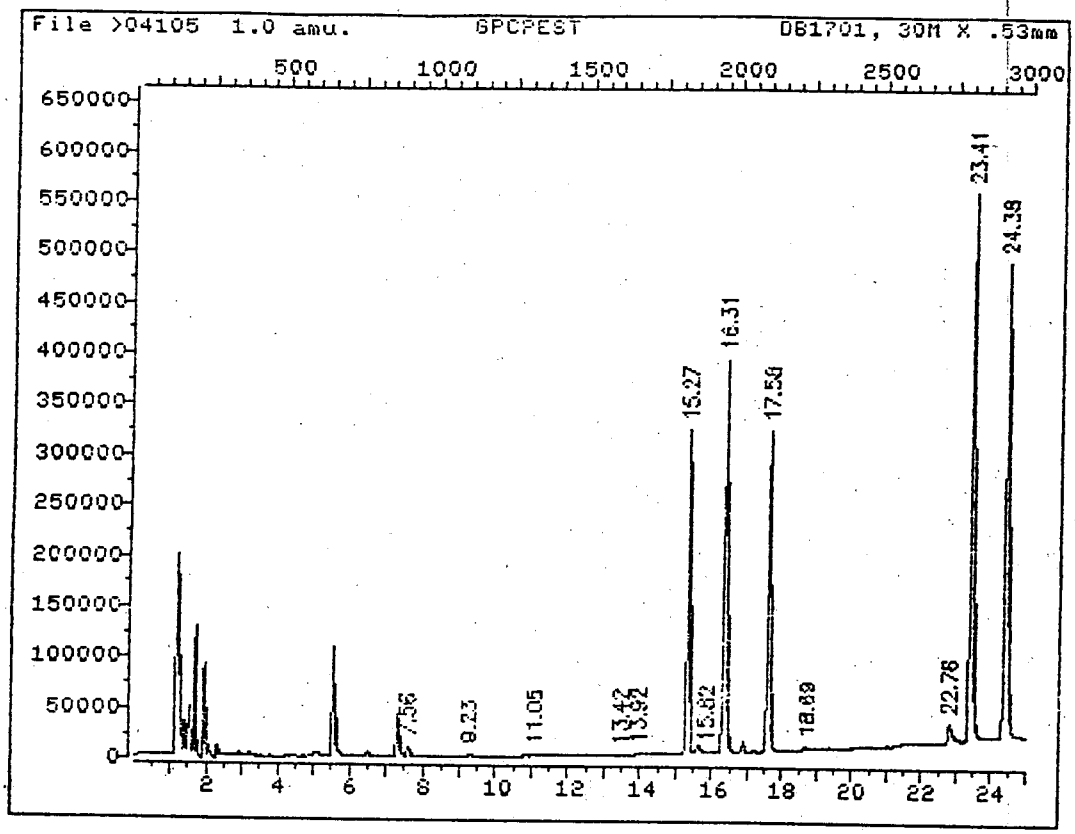
Quant Rev: 7
Quant Time: 960705 18:20
Injected at: 960702 06:51
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#~~Tetrachloro-m-xylene~~ NC	9.23	1108	30476	.736	ng/ml	100
2)	#~~alpha-BHC~~ NC	13.42	1611	6514	.199	ng/ml	100
3)	#~~beta-BHC~~ NC	18.69	2243	42854	1.63	ng/ml	100
5)	#gamma-BHC (Lindane)	15.27	1833	1526329	44.89	ng/ml	100
6)	#Heptachlor	16.31	1957	2151148	45.35	ng/ml	100
7)	#Aldrin	17.58	2109	1696127	45.04	ng/ml	100
10)	#Dieldrin	23.41	2809	3254068	100.20	ng/ml	100
11)	~~#4,4'-DDE~~ NC	22.78	2733	233720	8.42	ng/ml	100
12)	#Endrin	24.38	2925	2863837	98.79	ng/ml	100
14)	~~#4,4'-DDD~~ NC	26.54	3185	76234	3.61	ng/ml	100
16)	#4,4'-DDT	27.44	3292	1582768	96.05	ng/ml	100
17)	~~#Methoxychlor~~ NC	30.95	3714	130451	9.69	ng/ml	100
18)	~~#Endrin ketone~~ NC	32.95	3954	53577	1.90	ng/ml	100
24)	~~#Aroclor 1221(1)~~ NP	7.56	907	49462	62.54	ng/ml	100
25)	#Aroclor-1232(1) NP	7.56	907	49462	41.54	ng/ml	100
27)	~~#Aroclor 1248(1)~~ NP	13.92	1670	7176	6.51	ng/ml	100
28)	~~#Aroclor 1254(1)~~ NP	17.58	2109	1696127	1067.66	ng/ml	100
30)	~~#Endrin aldehyde~~ NC	28.88	3465	66722	2.20	ng/ml	100
31)	~~#Toxaphene(2)~~ NP	28.24	3388	95680	132.75	ng/ml	100
34)	~~#Aroclor-1016(2)~~ NP	13.92	1670	7176	2.94	ng/ml	100
35)	~~#Aroclor 1016(3)~~ NP	15.82	1898	5323	1.37	ng/ml	100
37)	~~#Aroclor 1016(5)~~ NP	18.69	2243	42854	20.80	ng/ml	100
38)	~~#Aroclor-1221(2)~~ NP	11.05	1326	6248	9.53	ng/ml	100
41)	~~#Aroclor 1232(3)~~ NP	13.92	1670	7176	6.97	ng/ml	100
42)	~~#Aroclor 1232(4)~~ NP	15.82	1898	5323	3.41	ng/ml	100
43)	~~#Aroclor 1242(2)~~ NP	13.92	1670	7176	3.61	ng/ml	100
44)	~~#Aroclor-1242(3)~~ NP	15.82	1898	5323	1.73	ng/ml	100
46)	~~#Aroclor 1242(5)~~ NP	17.58	2109	1696127	2143.63	ng/ml	100
47)	~~#Aroclor-1248(2)~~ NP	15.82	1898	5323	2.04	ng/ml	100
48)	~~#Aroclor-1248(3)~~ NP	18.69	2243	42854	17.39	ng/ml	100

Compound uses ESTD

7/16/96

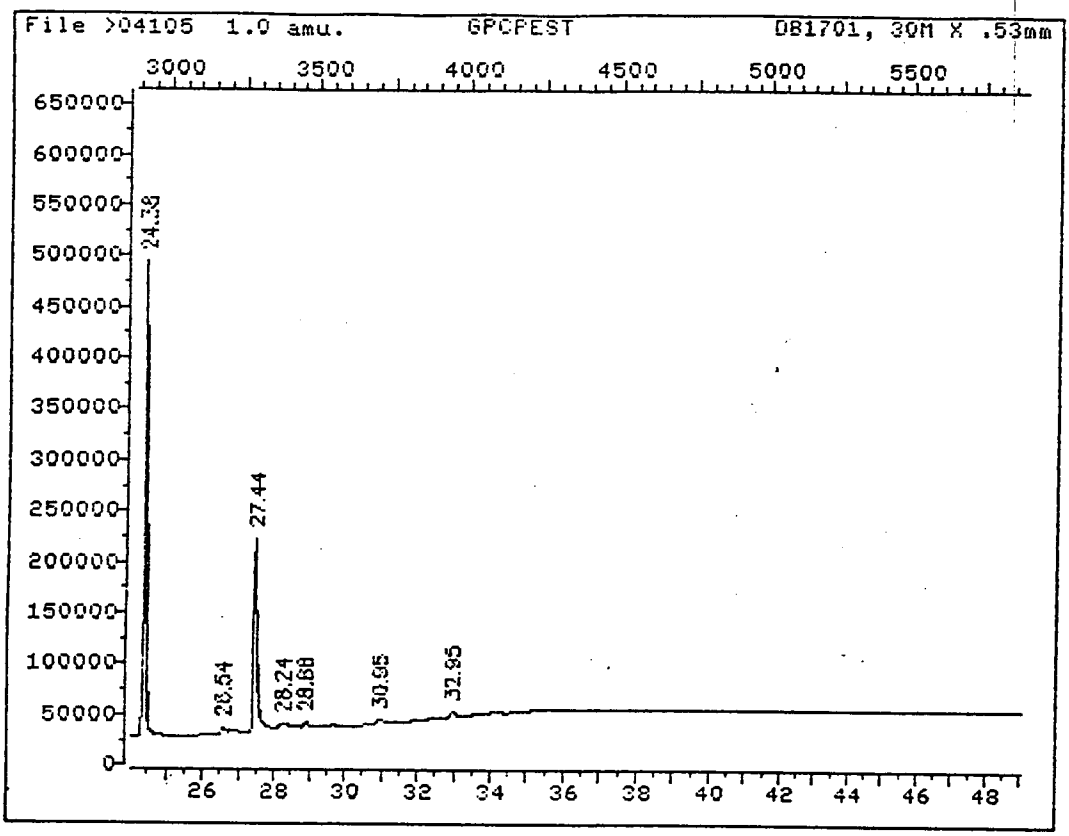


Data File: >04105::G5 Quant Output File: ^04105::F3
Name: GPCPEST Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960705 18:20
Injected at: 960702 06:51

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960705 18:20
Injected at: 960702 06:51

Page 2 of 2

QUANT REPORT

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

Quant Rev: 7
Quant Time: 960705 17:20
Injected at: 960702 07:48
Dilution Factor: 1.00000
Instrument ID: GC03

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

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

WMO 7/13/96

QUANT REPORT

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

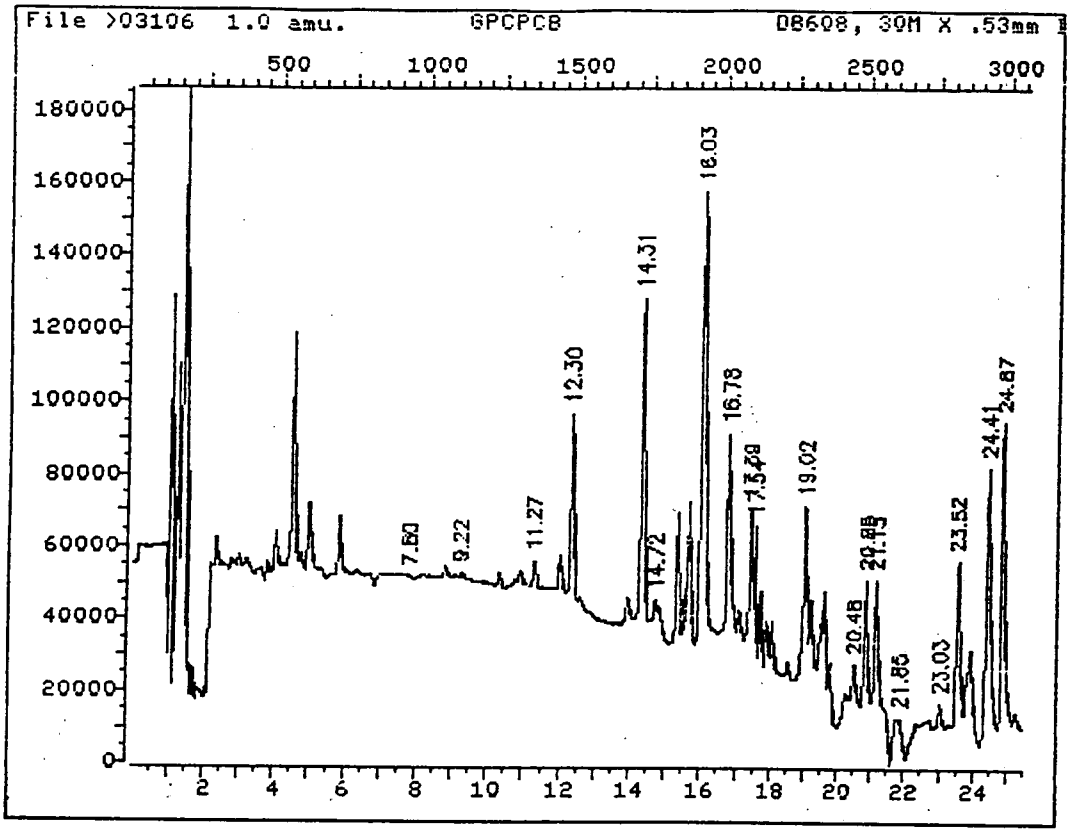
Quant Rev: 7
Quant Time: 960705 17:20
Injected at: 960702 07:48
Dilution Factor: 1.00000
Instrument ID: GC03

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

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

Compound uses ESTD

7/16/96

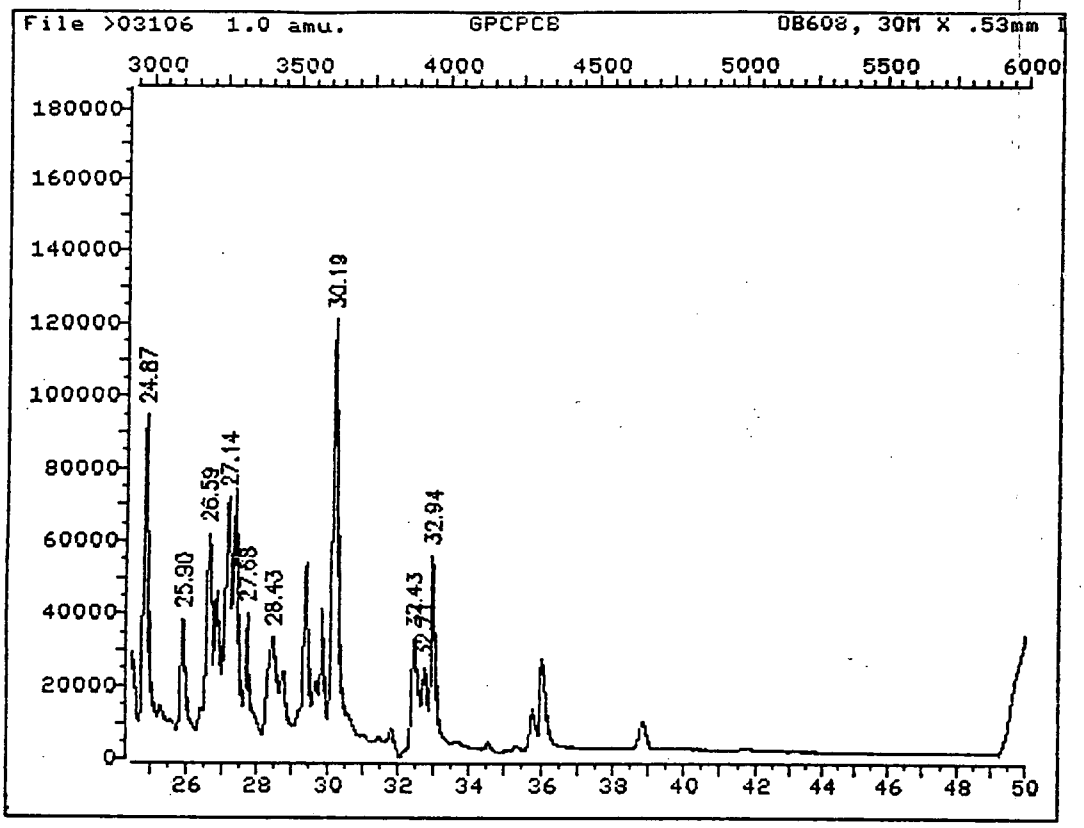


Data File: >03106::G3 Quant Output File: ^03106::F3
Name: GPCPCB Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960705 17:20
Injected at: 960702 07:48

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960705 17:20
Injected at: 960702 07:48

Page 2 of 2

QUANT REPORT

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

Quant Rev: 7
Quant Time: 960705 18:21
Injected at: 960702 07:48
Dilution Factor: 1.00000
Instrument ID: GC04

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

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

7/16/96

QUANT REPORT

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

Quant Rev: 7
Quant Time: 960705 18:21
Injected at: 960702 07:48
Dilution Factor: 1.00000
Instrument ID: GC04

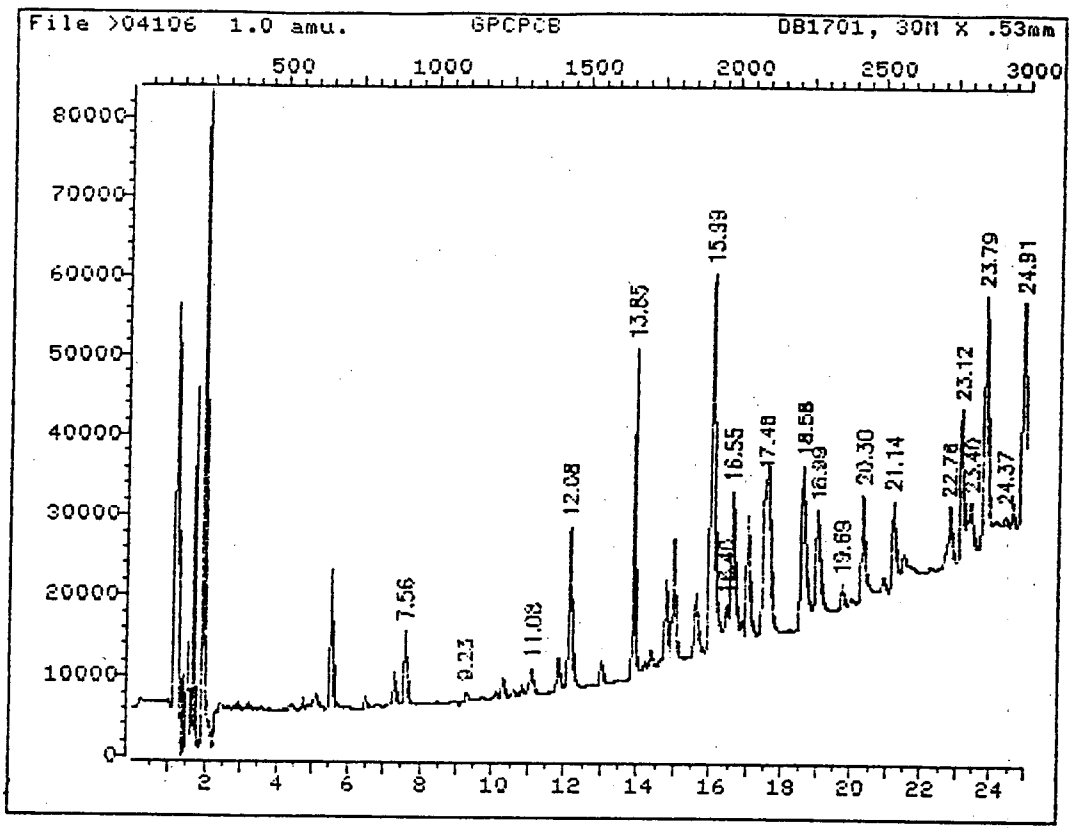
ID File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941029 10:07

Last Qcal Time: 960701 21:23

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

#. Compound uses ESTD

7/16/96

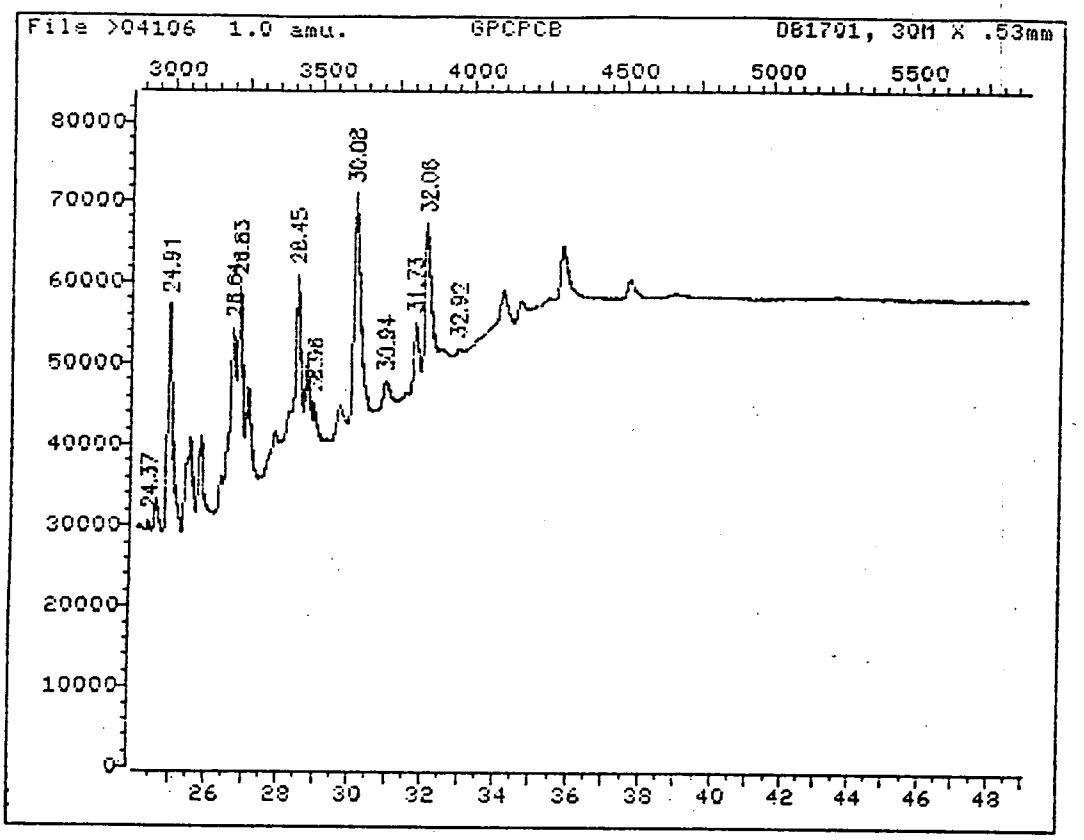


Data File: >04106::G5 Quant Output File: ^04106::F3
Name: GPCPCB Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960705 18:21
Injected at: 960702 07:48

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960705 18:21
Injected at: 960702 07:48

Page 2 of 2

QUANT REPORT

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

Quant Rev: 7
Quant Time: 960704 15:21
Injected at: 960702 00:13
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2502822	20.00	ng/ml	100
2)	#alpha-BHC	0.020	12.47	1497	2960652	20.00	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	14.37	1724	2733103	20.00	ng/ml	100
6)	#Heptachlor	0.020	15.86	1903	1560500	20.00	ng/ml	100
9)	#Endosulfan I	0.020	21.60	2592	2436935	20.00	ng/ml	100
10)	#Dieldrin	0.040	23.04	2765	3782044	40.00	ng/ml	100
12)	#Endrin	0.040	24.83	2979	3423695	40.00	ng/ml	100
14)	#4,4'-DDD	0.040	25.63	3075	2303959	40.00	ng/ml	100
16)	#4,4'-DDT	0.040	27.21	3265	2592689	40.00	ng/ml	100
17)	#Methoxychlor	0.200	32.46	3895	7764862	200.05	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.68	5001	4771763	40.00	ng/ml	100

Compound uses ESTD

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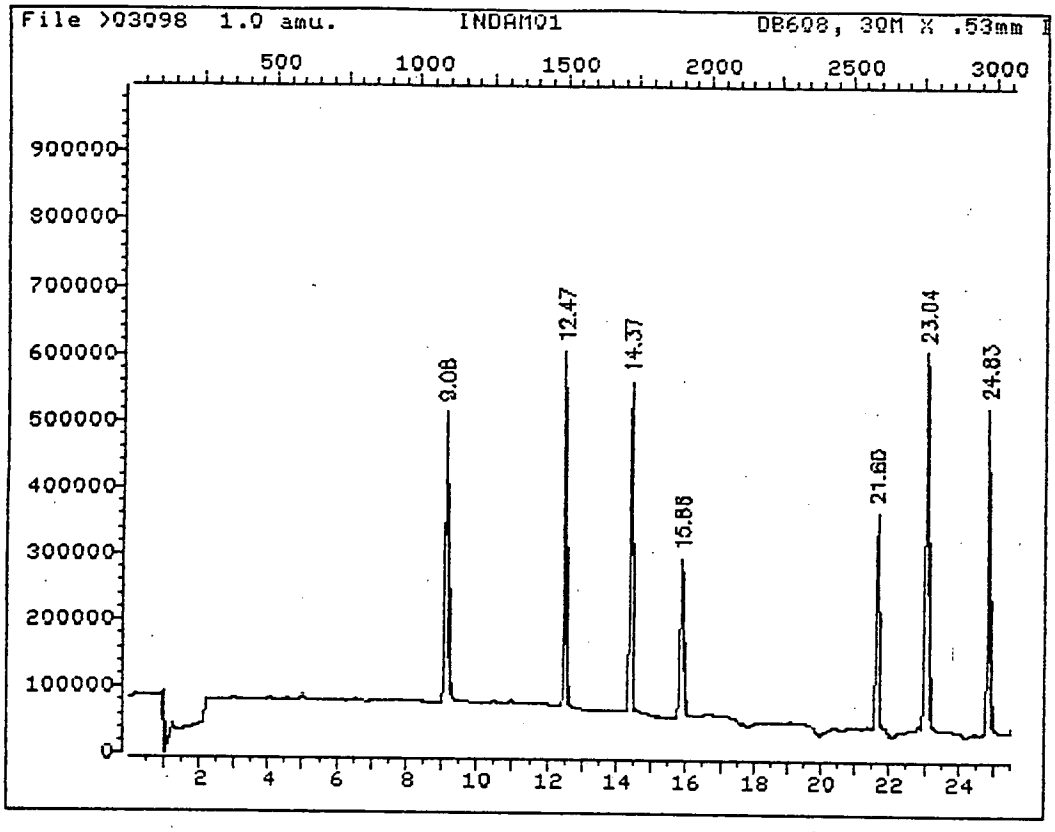
7/9/96

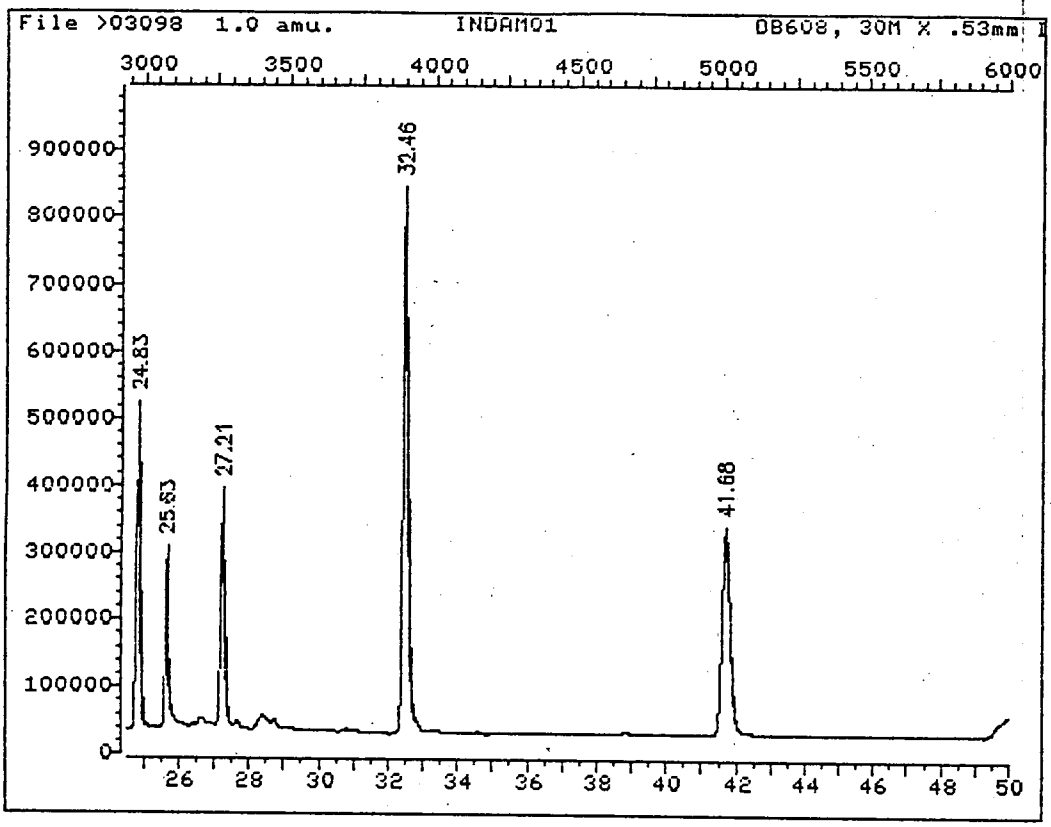


Data File: >03098::G3 Quant Output File: ^03098::F3
Name: INDAM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960704 15:21
Injected at: 960702 00:13

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960704 15:21
Injected at: 960702 00:13

Page 2 of 2

QUANT REPORT

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

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

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.31	1117	828292	20.00	ng/ml	100
2)	#alpha-BHC	0.020	13.43	1612	655302	20.00	ng/ml	100
5)	#gamma-BHC (Lindane)	0.020	15.27	1833	680084	20.00	ng/ml	100
6)	#Heptachlor	0.020	16.31	1957	948588	20.00	ng/ml	100
9)	#Endosulfan I	0.026	21.76	2611	714109	20.00	ng/ml	100
10)	#Dieldrin	0.040	23.41	2809	1298987	40.00	ng/ml	100
12)	#Endrin	0.040	24.37	2924	1159534	40.00	ng/ml	100
14)	#4,4'-DDD	0.040	26.54	3184	845236	40.00	ng/ml	100
16)	#4,4'-DDT	0.040	27.44	3292	659176	40.00	ng/ml	100
17)	#Methoxychlor	0.200	30.85	3702	2691965	200.36	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.71	4645	1867929	40.00	ng/ml	100

Compound uses ESTD

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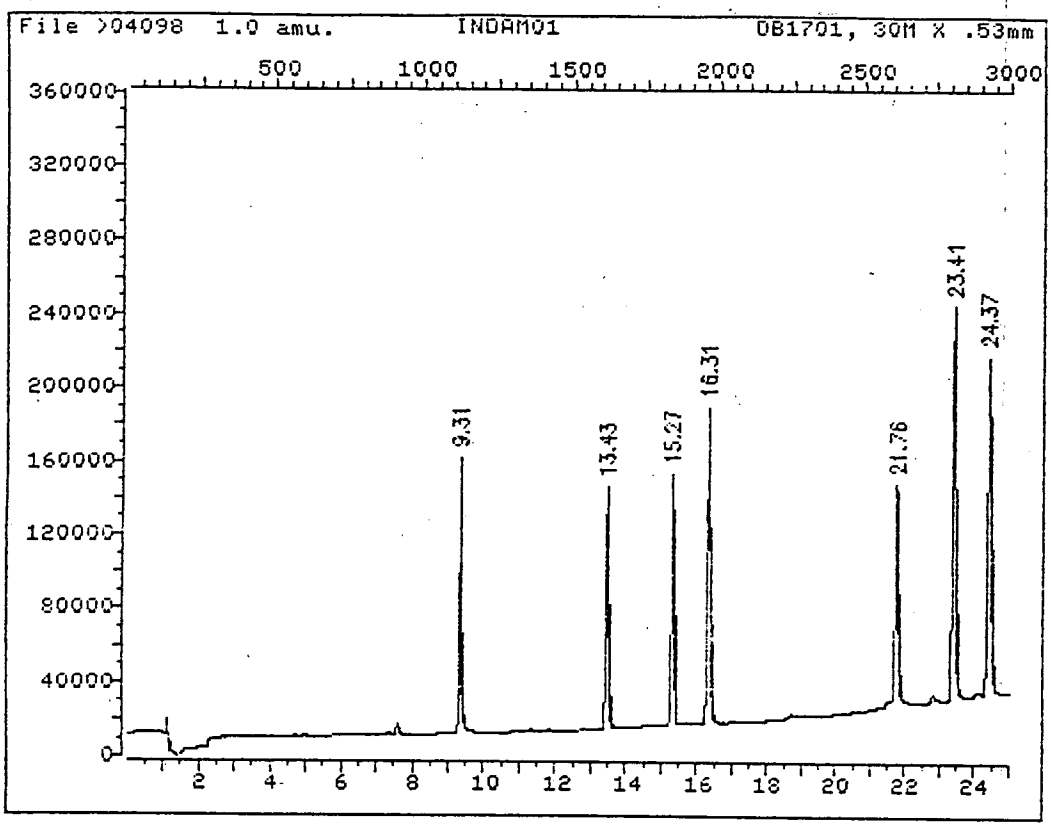
7/10/96

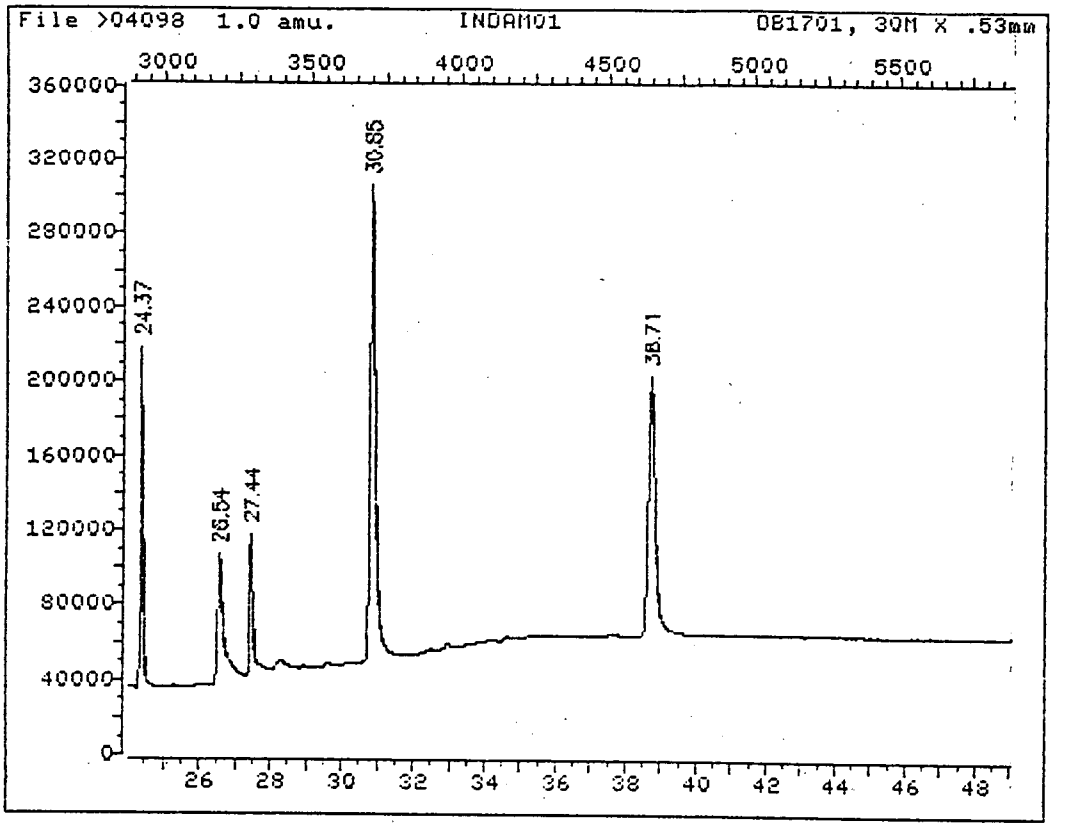


Data File: >04098::G5 Quant Output File: ^04098::F3
Name: INDAM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960702 22:05
Injected at: 960702 00:13

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960702 22:05
Injected at: 960702 00:13

Page 2 of 2

QUANT REPORT

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

Quant Rev: 7
Quant Time: 960704 15:22
Injected at: 960702 01:09
Dilution Factor: 1.00000
Instrument ID: GC03

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

	Compound	ng Injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2478569	19.81	ng/ml	100
3)	#beta-BHC	0.020	14.80	1776	1641629	20.00	ng/ml	100
4)	#delta-BHC	0.020	16.50	1980	2417660	20.00	ng/ml	100
7)	#Aldrin	0.020	17.37	2084	2695028	20.00	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.03	2404	2196866	20.00	ng/ml	100
11)	#4,4'-DDE	0.040 ~~0.020~~	22.83	2740	3659165	40.01	ng/ml	100
13)	#Endosulfan II	0.040	25.81	3097	3852477	40.00	ng/ml	100
15)	#Endosulfan Sulfate	0.040	28.33	3399	3545364	40.00	ng/ml	100
18)	#Endrin ketone	0.040	32.78	3933	3601385	40.00	ng/ml	100
19)	#Decachlorobiphenyl	0.040	41.68	5002	4787890	40.14	ng/ml	100
20)	#alpha-Chlordane	0.020	21.53	2583	2746479	20.00	ng/ml	100
21)	#gamma-Chlordane	0.020	20.78	2494	2356816	20.00	ng/ml	100
30)	#Endrin aldehyde	0.040	27.62	3314	3155127	40.00	ng/ml	100

Compound uses ESTD

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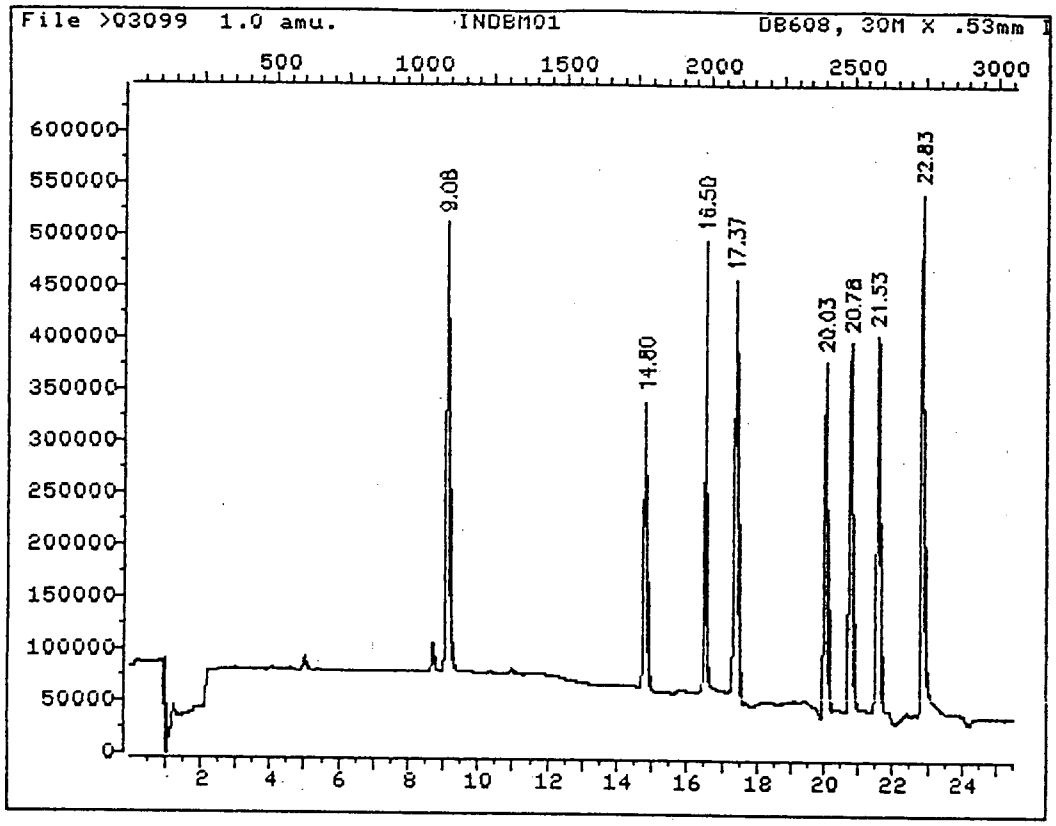
7/9/96

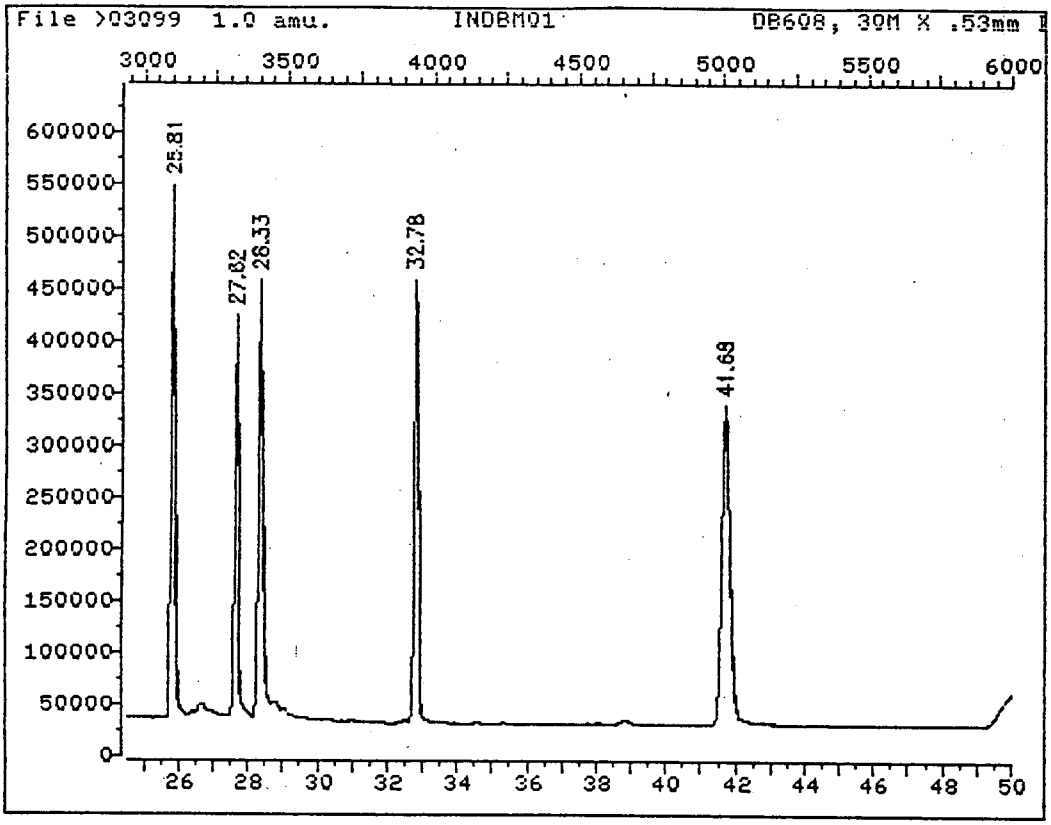


Data File: >03099::G3 Quant Output File: ^03099::F3
Name: INDBM01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

Operator ID: TRFIL
Quant Time : 960704 15:22
Injected at: 960702 01:09

Page 1 of 2



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

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

Operator ID: TRFIL
Quant Time : 960704 15:22
Injected at: 960702 01:09

Page 2 of 2

QUANT REPORT

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

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

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	828305	20.00	ng/ml	100
3)	#beta-BHC	0.020	18.63	2236	525511	20.00	ng/ml	100
4)	#delta-BHC	0.020	19.71	2365	487440	20.00	ng/ml	100
7)	#Aldrin	0.020	17.58	2109	753212	20.00	ng/ml	100
8)	#Heptachlor epoxide	0.020	20.55	2466	873389	20.00	ng/ml	100
11)	#4,4'-DDE	0.040	22.77	2732	1110389	40.00	ng/ml	100
13)	#Endosulfan II	0.040	26.75	3210	1431609	40.00	ng/ml	100
15)	#Endosulfan Sulfate	0.040	30.61	3673	1058271	40.00	ng/ml	100
18)	#Endrin ketone	0.040	32.94	3953	1126314	40.00	ng/ml	100
19)	#Decachlorobiphenyl	0.040	38.72	4646	1878491	40.23	ng/ml	100
20)	#alpha-Chlordane	0.020	22.24	2669	834085	20.00	ng/ml	100
21)	#gamma-Chlordane	0.020	21.99	2639	799259	20.00	ng/ml	100
30)	#Endrin aldehyde	0.040	28.87	3464	1215421	40.00	ng/ml	100

Compound uses ESTD

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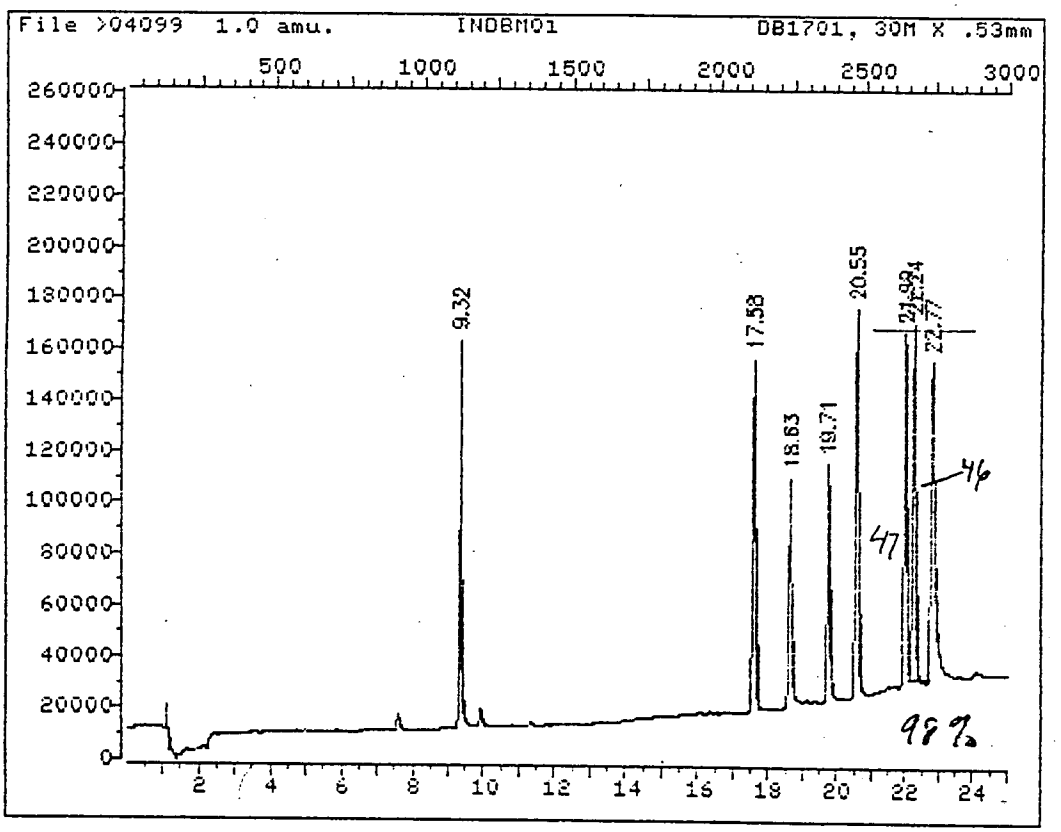
7/10/96

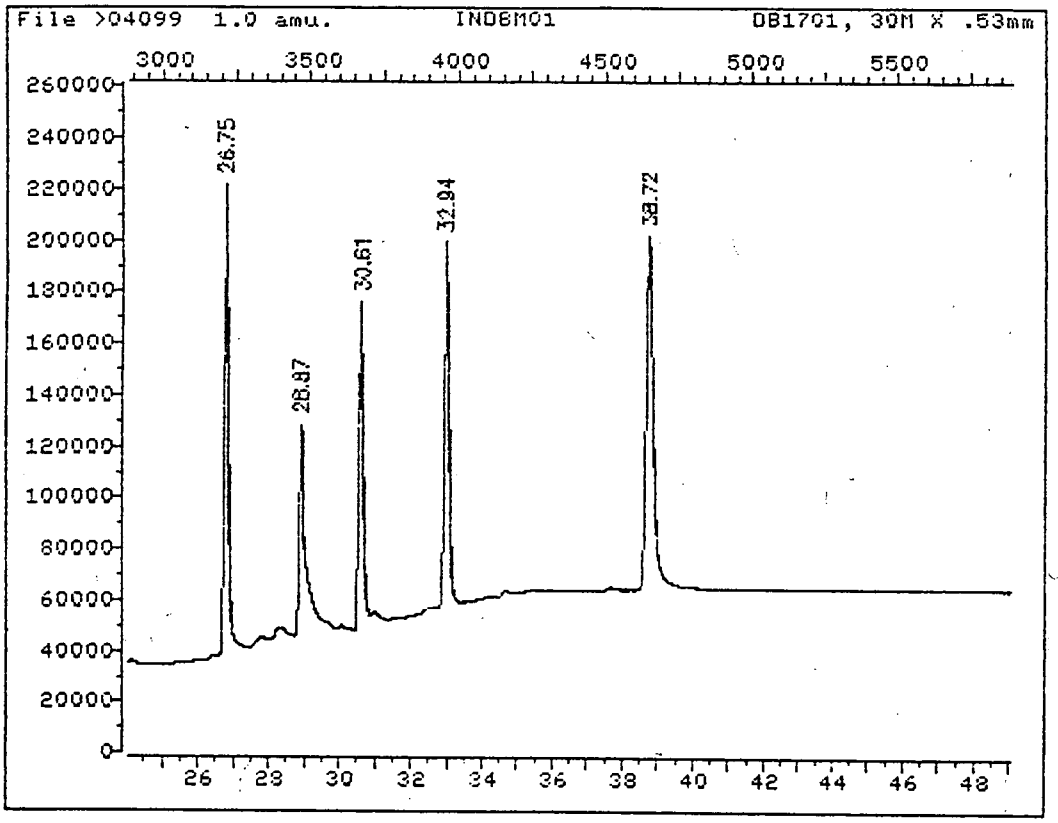


Data File: >04099::G5 Quant Output File: ^04099::F3
Name: INDBM01 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2



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

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

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

Page 2 of 2

QUANT REPORT

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

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.08	1090	2412180	19.28	ng/ml	100
19)	#Decachlorobiphenyl	0.020	41.68	5002	2532246	21.23	ng/ml	100
23)	#Aroclor-1016(1)	0.100	12.30	1476	293975	100.00	ng/ml	100
29)	#Aroclor-1260(1)	0.100	24.41	2929	775205	100.88	ng/ml	100
34)	#Aroclor-1016(2)	0.100	14.31	1717	653698	100.00	ng/ml	100
35)	#Aroclor-1016(3)	0.100	16.03	1924	1104573	100.00	ng/ml	100
36)	#Aroclor-1016(4)	0.100	16.78	2014	373455	100.00	ng/ml	100
37)	#Aroclor-1016(5)	0.100	19.02	2282	339766	100.34	ng/ml	100
55)	#Aroclor-1260(2)	0.100	24.87	2984	700438	100.00	ng/ml	100
56)	#Aroclor-1260(3)	0.100	26.59	3190	522025	100.00	ng/ml	100
57)	#Aroclor-1260(4)	0.100	30.18	3621	1080466	100.00	ng/ml	100
58)	#Aroclor-1260(5)	0.100	32.94	3953	552100	100.39	ng/ml	100

Compound uses ESTD

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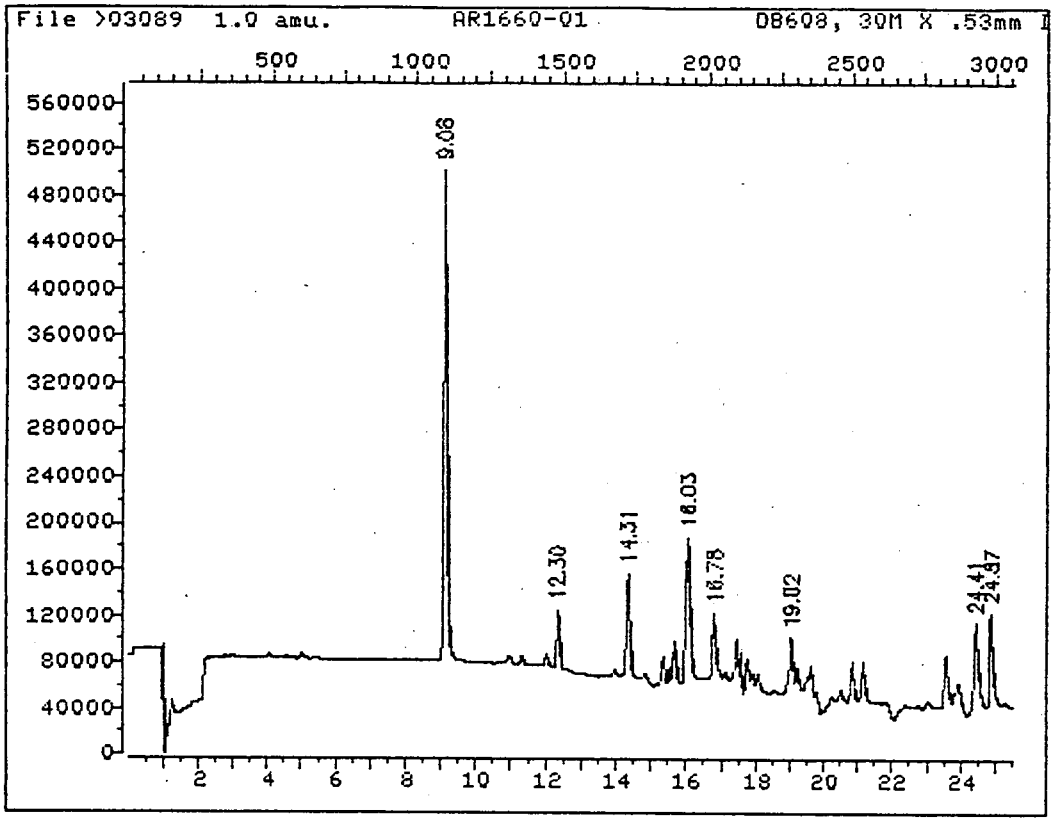
7/9/96

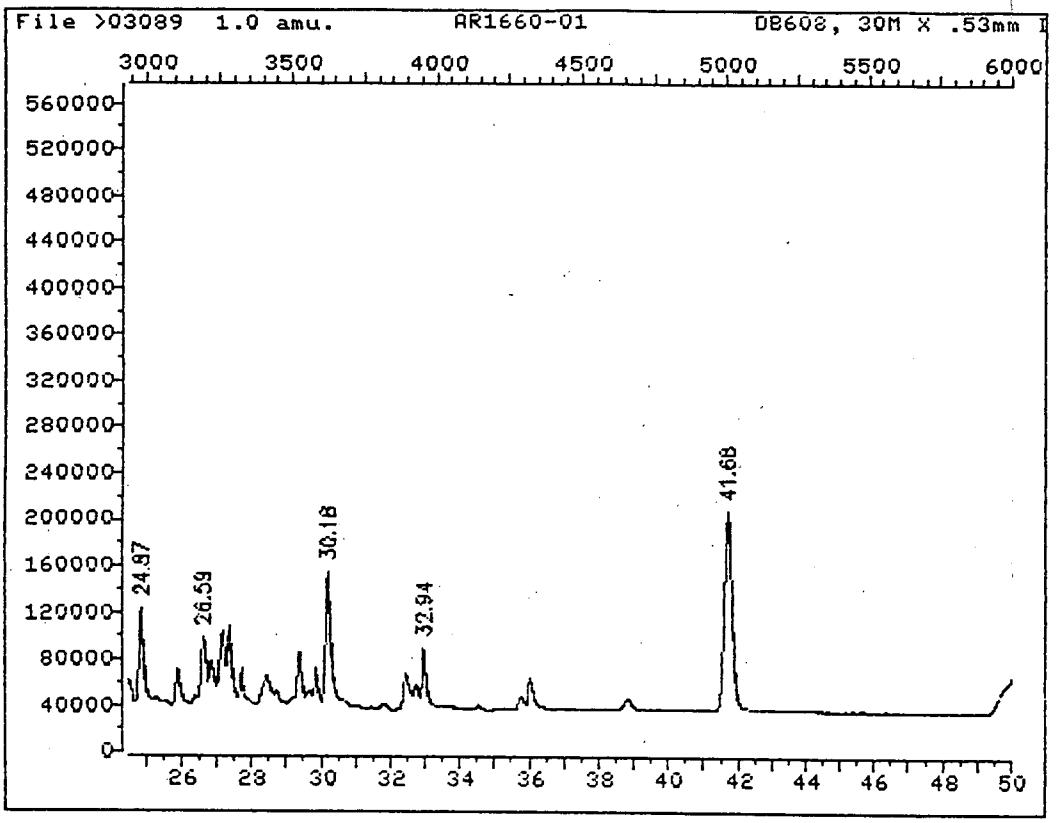


Data File: >03089::G3 Quant Output File: ^03089::F3
Name: AR1660-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2

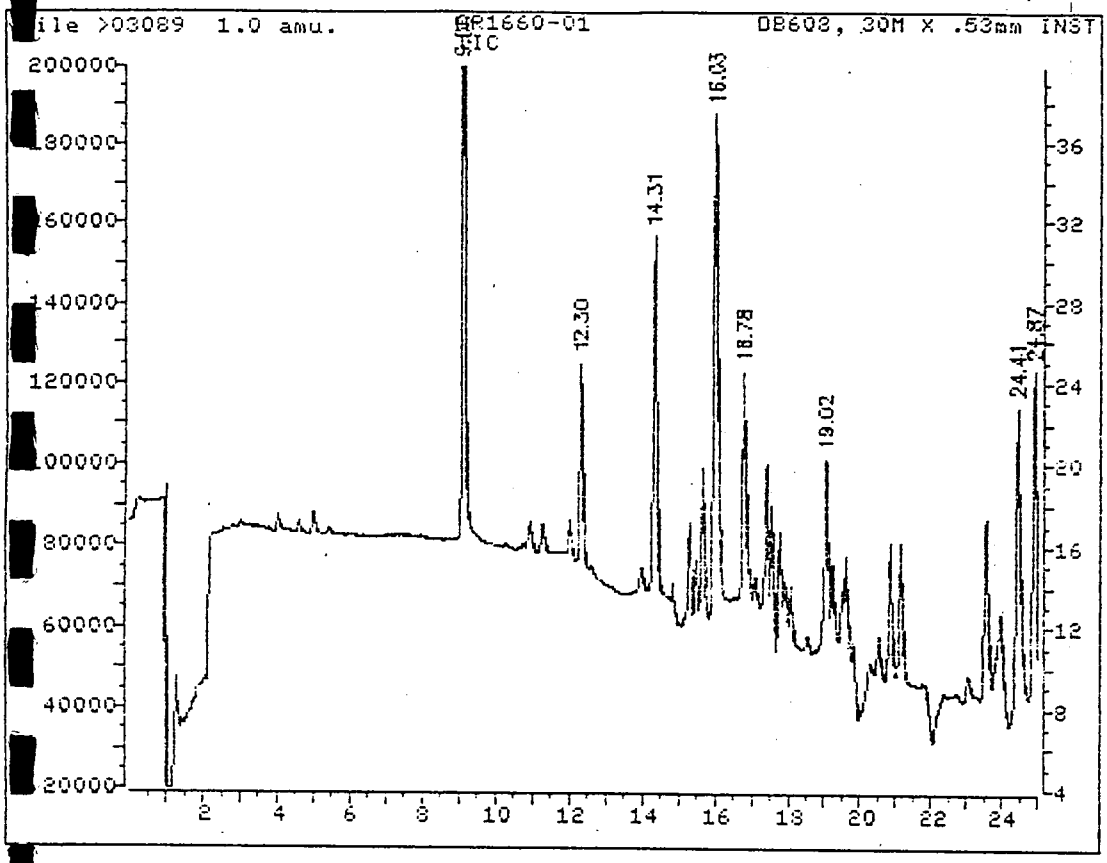


Data File: >03089::G3 Quant Output File: ^03089::F3
Name: AR1660-01 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

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

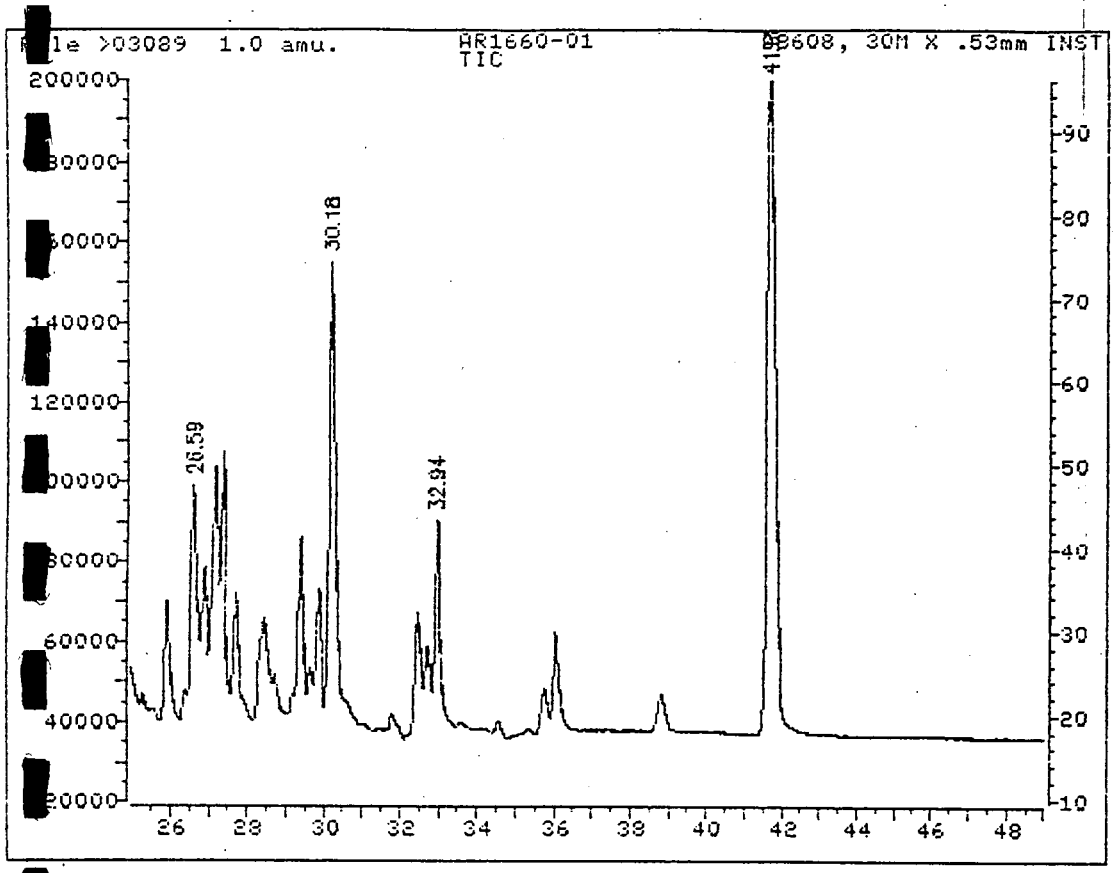
Page 2 of 2



MS data file header from : >03089::G3

Sample: AR1660-01 Operator: TRFIL 7/01/96 15:43
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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



MS data file header from : >03089::G3

Sample: AR1660-01 Operator: TRFIL 7/01/96 15:43
Misc : DB608, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC03
Method file: Tuning file: No. of extra records: 2

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

QUANT REPORT

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

Quant Rev: 7
Quant Time: 960705 17:13
Injected at: 960701 15:43
Dilution Factor: 1.00000
Instrument ID: GC04

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

	Compound	ng injected	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	0.020	9.32	1118	811919	19.60	ng/ml	100
19)	#Decachlorobiphenyl	0.020	38.72	4646	955931	20.47	ng/ml	100
23)	#Aroclor-1016(1)	0.100	12.08	1450	123501	100.00	ng/ml	100
29)	#Aroclor-1260(1)	0.100	23.78	2854	231033	100.00	ng/ml	100
34)	#Aroclor-1016(2)	0.100	13.85	1662	244473	100.00	ng/ml	100
35)	#Aroclor-1016(3)	0.100	15.98	1918	387913	100.00	ng/ml	100
36)	#Aroclor-1016(4)	0.100	16.55	1986	145632	100.00	ng/ml	100
37)	#Aroclor-1016(5)	0.100	18.57	2228	206068	100.00	ng/ml	100
55)	#Aroclor-1260(2)	0.100	24.92	2990	271511	100.00	ng/ml	100
56)	#Aroclor-1260(3)	0.100	28.45	3414	177484	100.00	ng/ml	100
57)	#Aroclor-1260(4)	0.100	30.07	3608	393158	100.00	ng/ml	100
58)	#Aroclor-1260(5)	0.100	32.05	3846	248345	100.00	ng/ml	100

Compound uses ESTD

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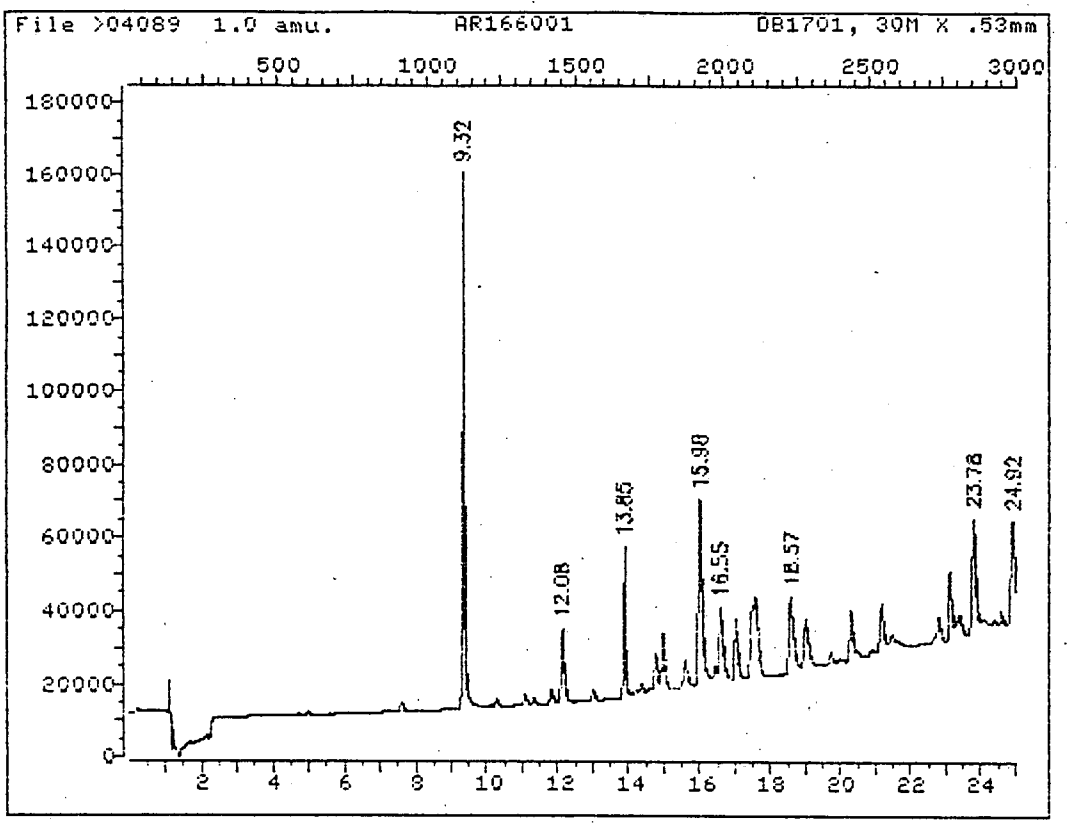
7/10/96

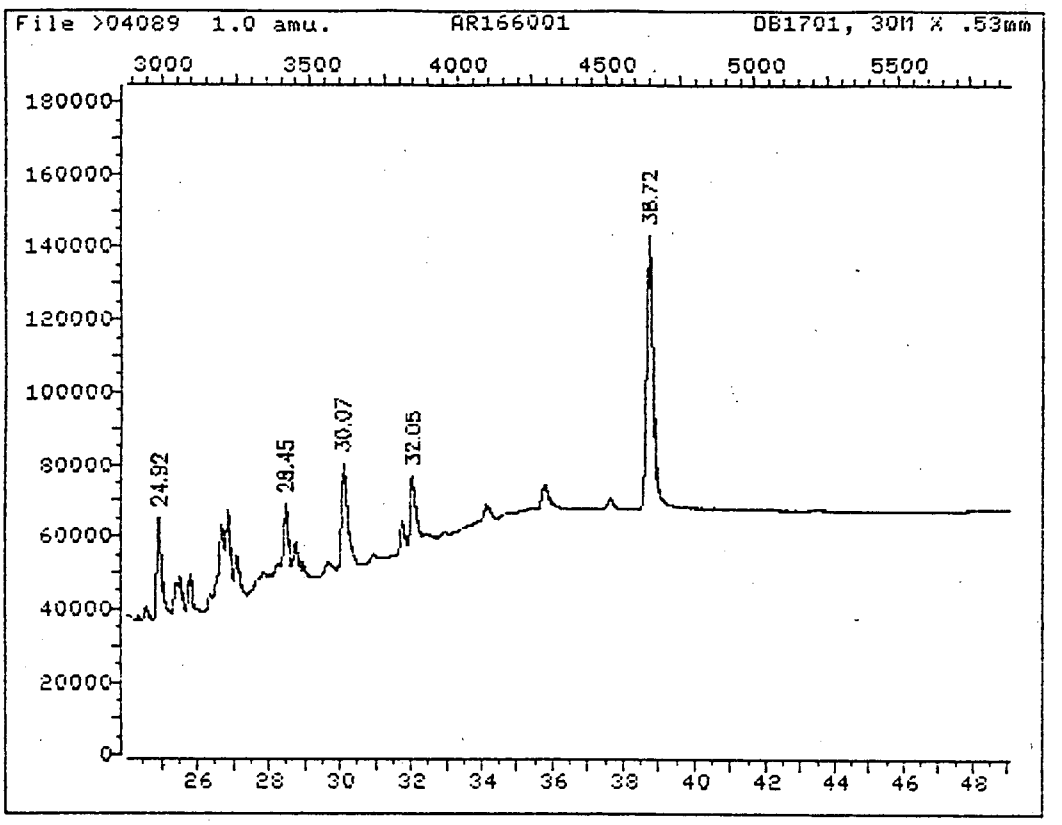


Data File: >04089::G5 Quant Output File: ^04089::F3
Name: AR166001 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

Id File: IDCAP2::SC
Title: Capillary Column DB1701
Last Calibration: 941022 10:07 Last Qcal Time: 960701 21:23

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

Page 1 of 2

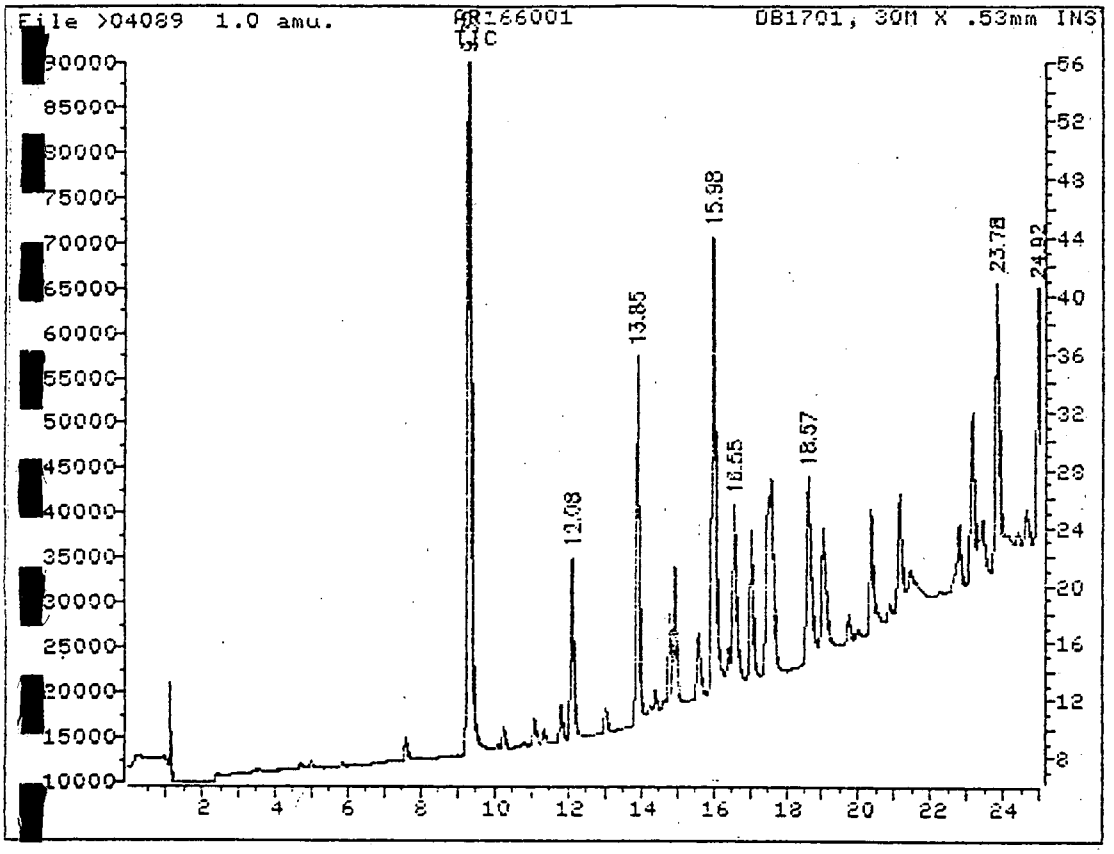


Data File: >04089::G5 Quant Output File: ^04089::F3
Name: AR166001 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

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

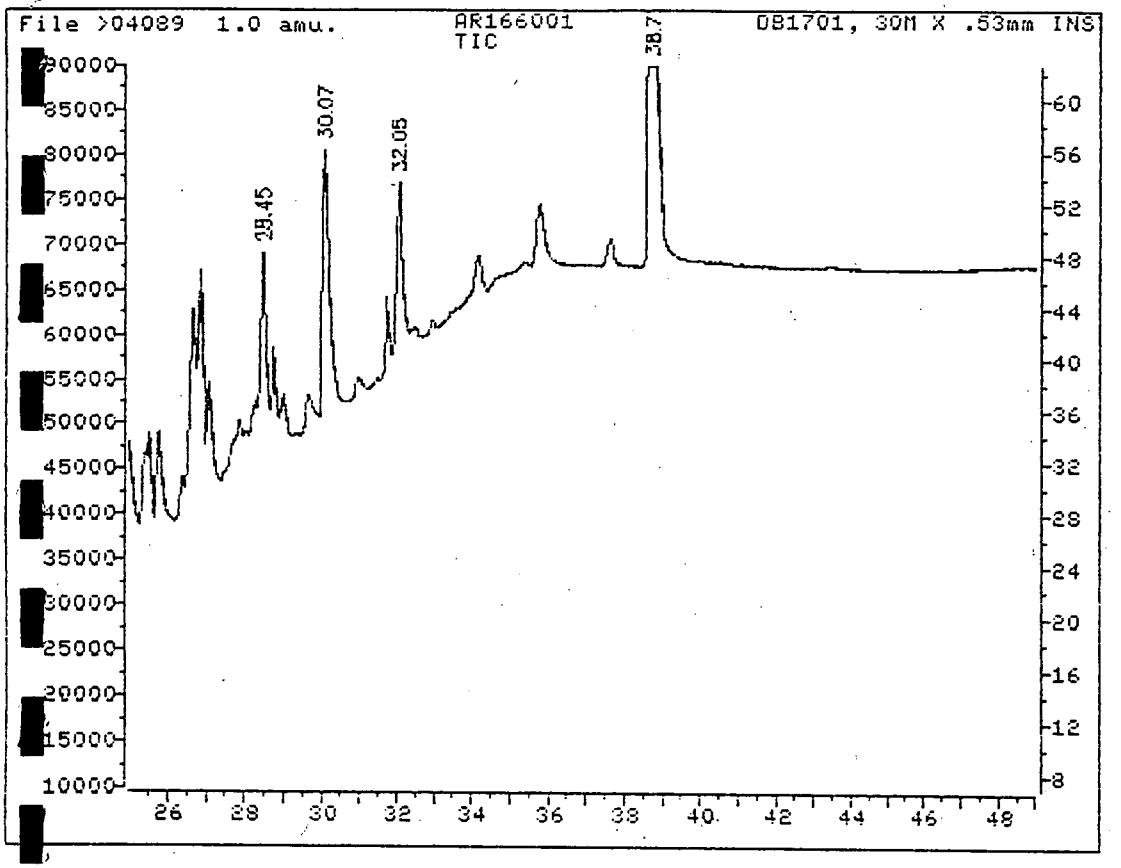
Page 2 of 2



MS data file header from : >04089::G5

Sample: AR166001 Operator: TRFIL 7/01/96 15:43
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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



S data file header from : >04089::G5

Sample: AR166001 Operator: TRFIL 7/01/96 15:43
Disc : DB1701, 30M X .53mm INST 58903, 1ul INJ
Sys. #: 0 MS model: 92 SW/HW rev.: F ALS # : 0 Equip ID: GC04
Method file: Tuning file: No. of extra records: 2

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

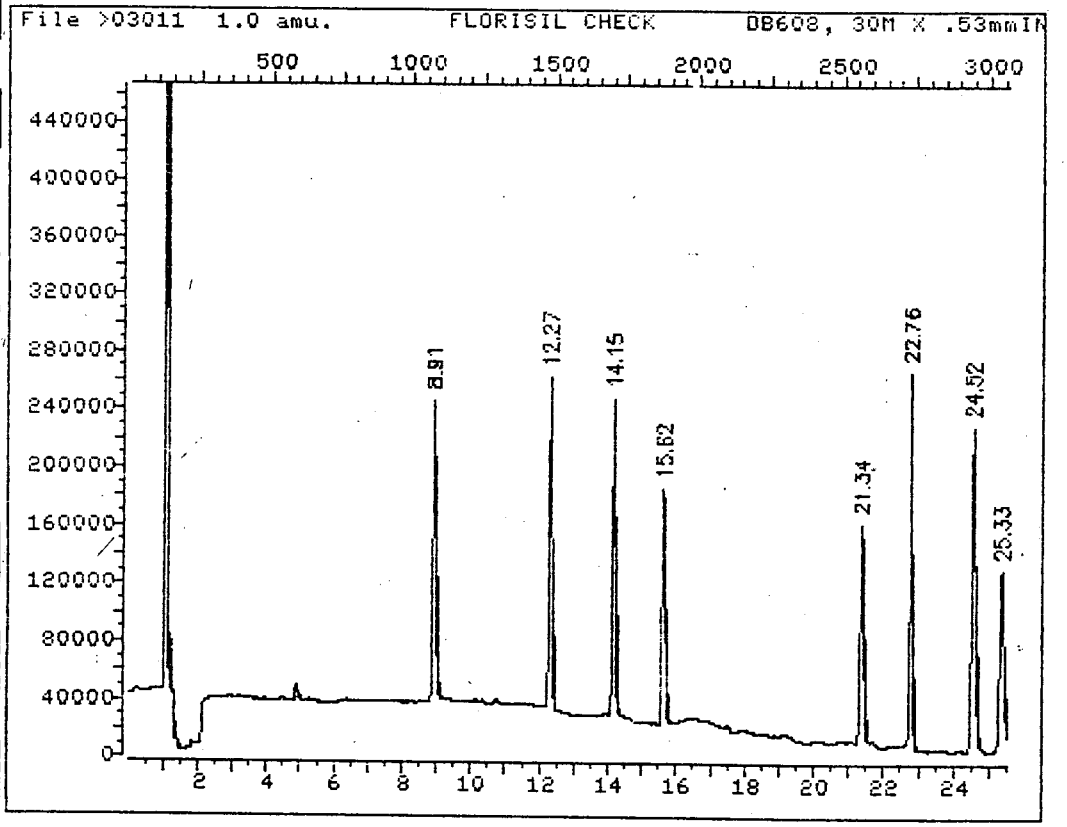
QUANT REPORT

Operator ID: TRFIL
Quant Rev: 7
Quant Time: 960613 11:50
Output File: ^03011::GQ
Injected at: 960612 22:01
Data File: >03011::G4
Dilution Factor: 1.00000
Name: FLORISIL CHECK
Instrument ID: GC03
Misc: DB608, 30M X .53mmINST 58903, 1ul INJ

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

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Tetrachloro-m-xylene	8.91	1069	1160631	10.27	ng/ml	100
2)	#alpha-BHC	12.27	1473	1349106	9.99	ng/ml	100
5)	#gamma-BHC (Lindane)	14.15	1698	1202377	9.19	ng/ml	100
6)	#Heptachlor	15.62	1875	1057974	10.10	ng/ml	100
9)	#Endosulfan I	21.34	2561	952512	9.72	ng/ml	100
10)	#Dieldrin	22.76	2731	1665271	18.85	ng/ml	100
12)	#Endrin	24.52	2942	1599633	19.53	ng/ml	100
14)	#4,4'-DDD	25.33	3039	1054829	18.68	ng/ml	100
16)	#4,4'-DDT	26.89	3226	1118412	17.68	ng/ml	100
17)	#Methoxychlor	32.09	3850	3785008	103.31	ng/ml	100
19)	#Decachlorobiphenyl	41.02	4922	2298044	20.98	ng/ml	100

Compound uses ESTD

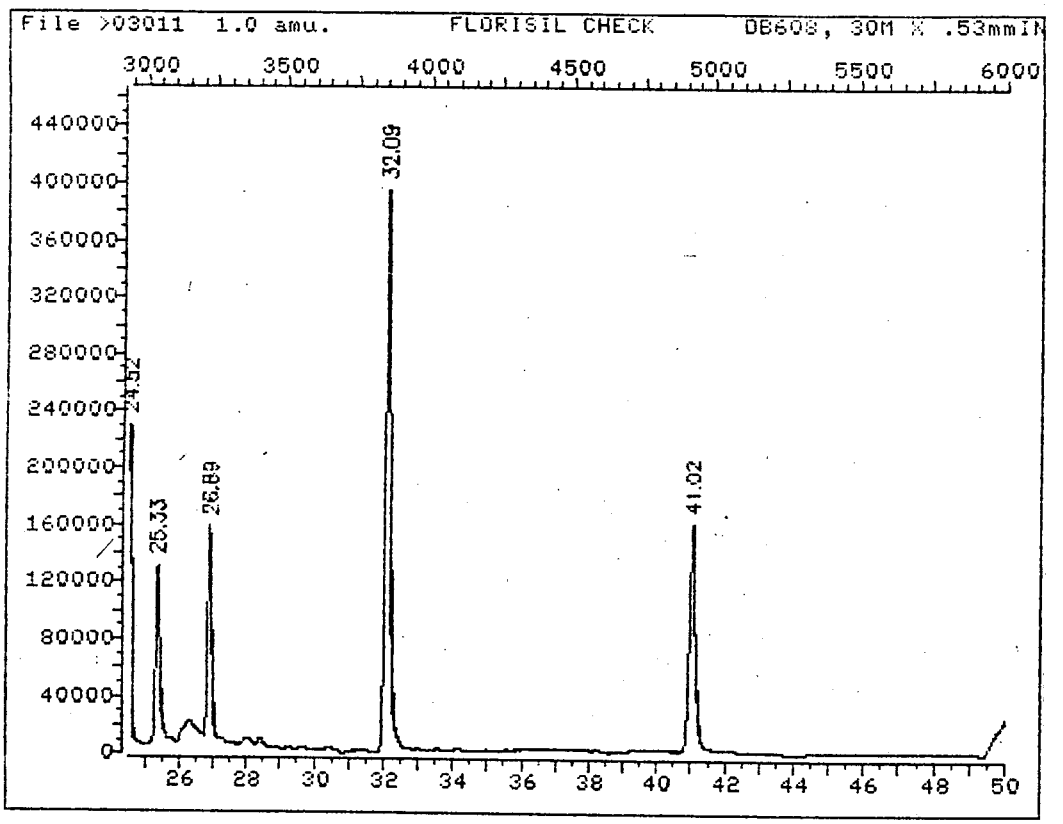


Data File: >03011::G4 Quant Output File: ^03011::GQ
Name: FLORISIL CHECK Instrument ID: GC03
Misc: DB608, 30M X .53mmINST 58903, 1ul INJ

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

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

Page 1 of 2



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

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

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

Page 2 of 2

QUANT REPORT

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

Quant Rev: 7
Quant Time: 960613 11:41
Injected at: 960612 13:29
Dilution Factor: 1.00000
Instrument ID: GC03

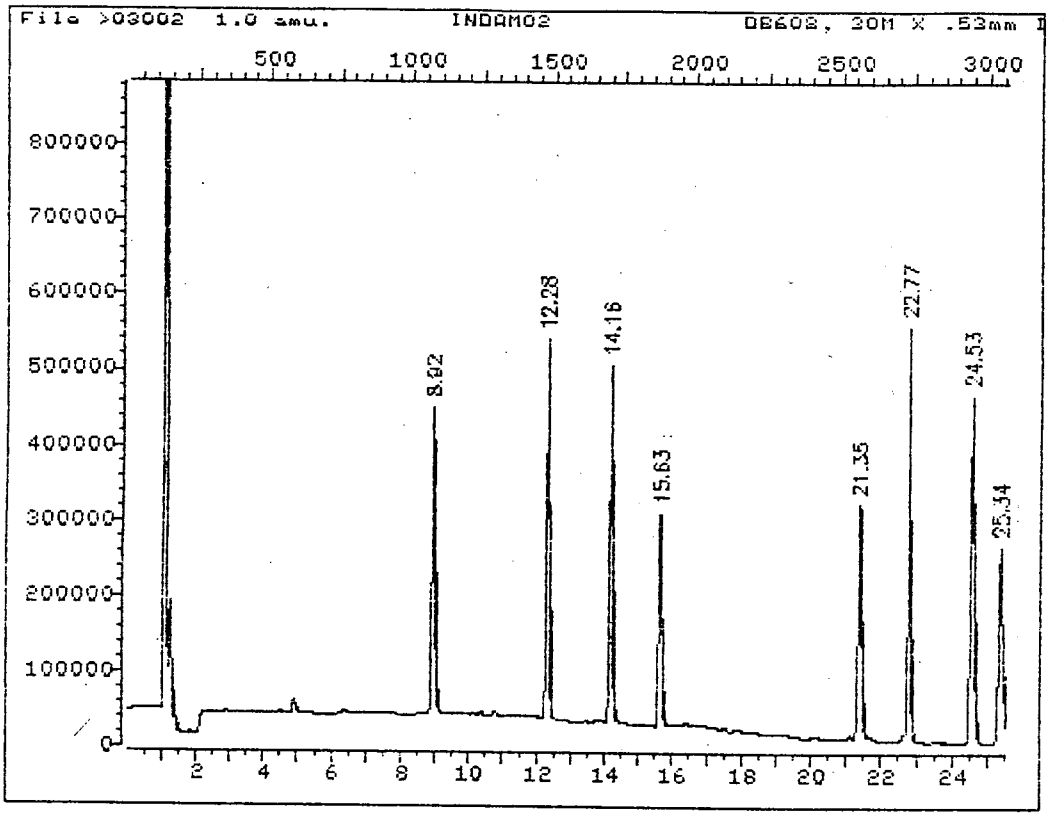
ID File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55

Last Qcal Time: 960611 22:18

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

Compound uses ESTD

7/26/96

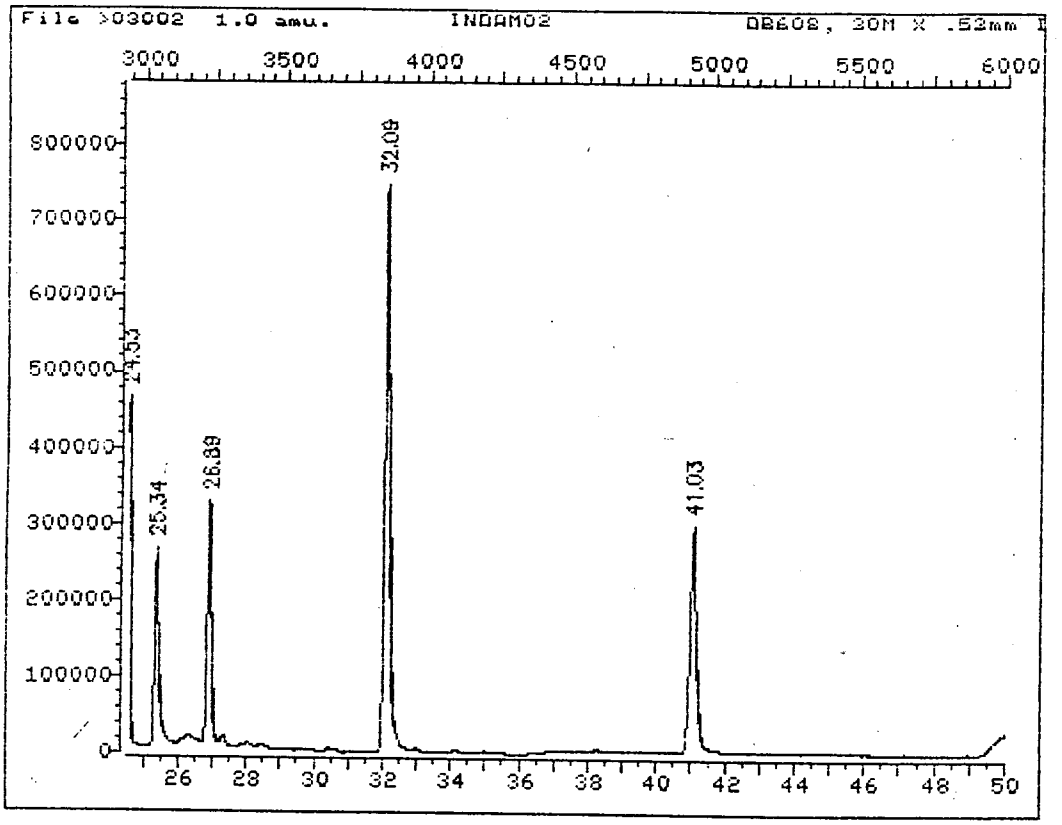


Data File: >03002::G4 Quant Output File: ^03002::GQ
Name: INDAM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2



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

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

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

Page 2 of 2

QUANT REPORT

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

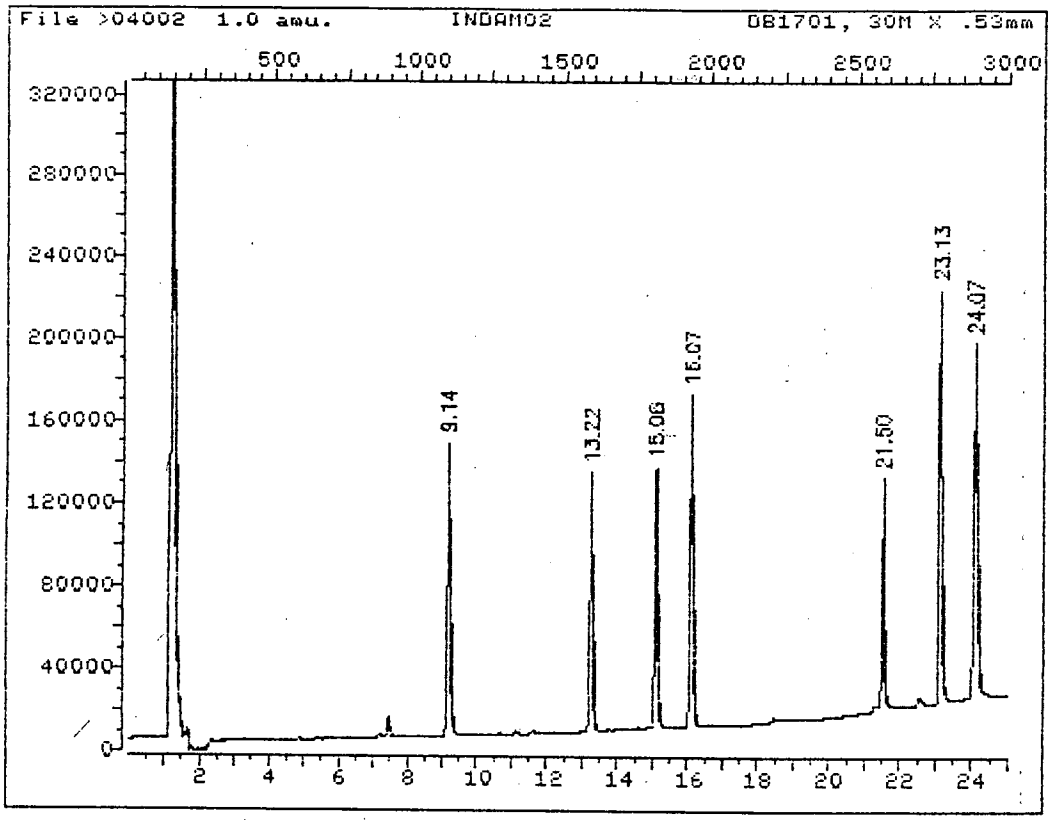
Quant Rev: 7
Quant Time: 960613 09:20
Injected at: 960612 13:28
Dilution Factor: 1.00000
Instrument ID: GC04

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

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

Compound uses ESTD

7/26/96

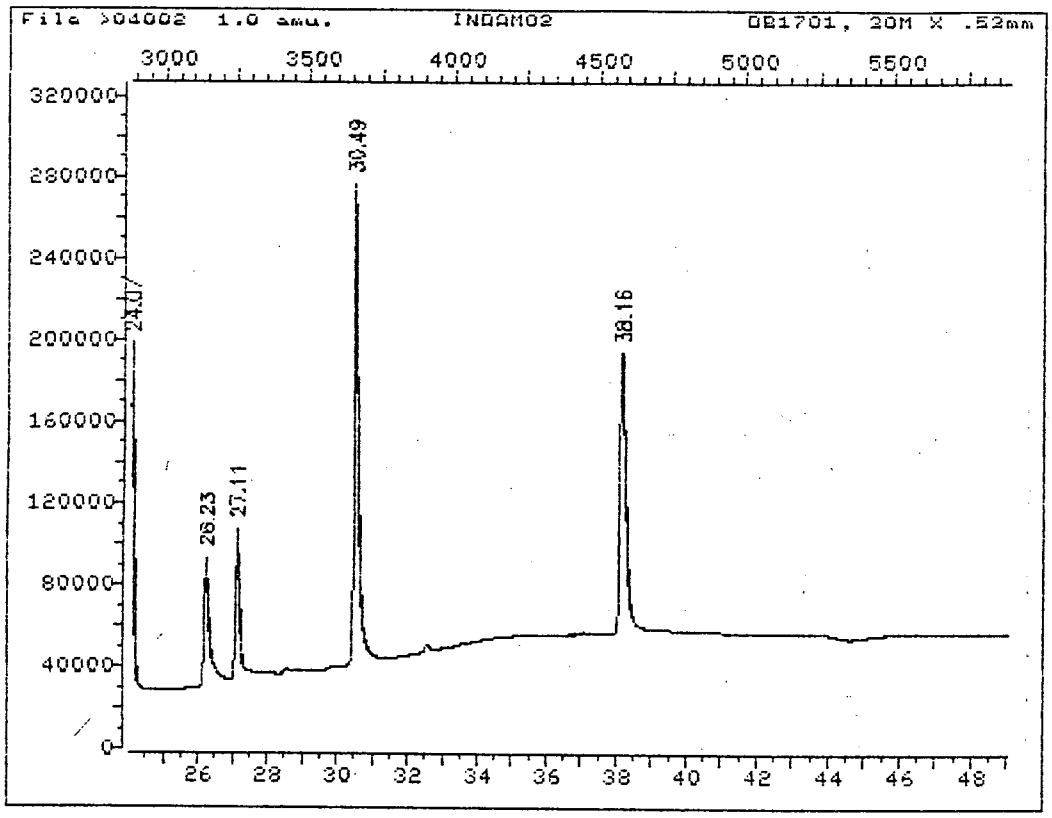


Data File: >04002::G5 Quant Output File: ^04002::GQ
Name: INDAM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2



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

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

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

Page 2 of 2

QUANT REPORT

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

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

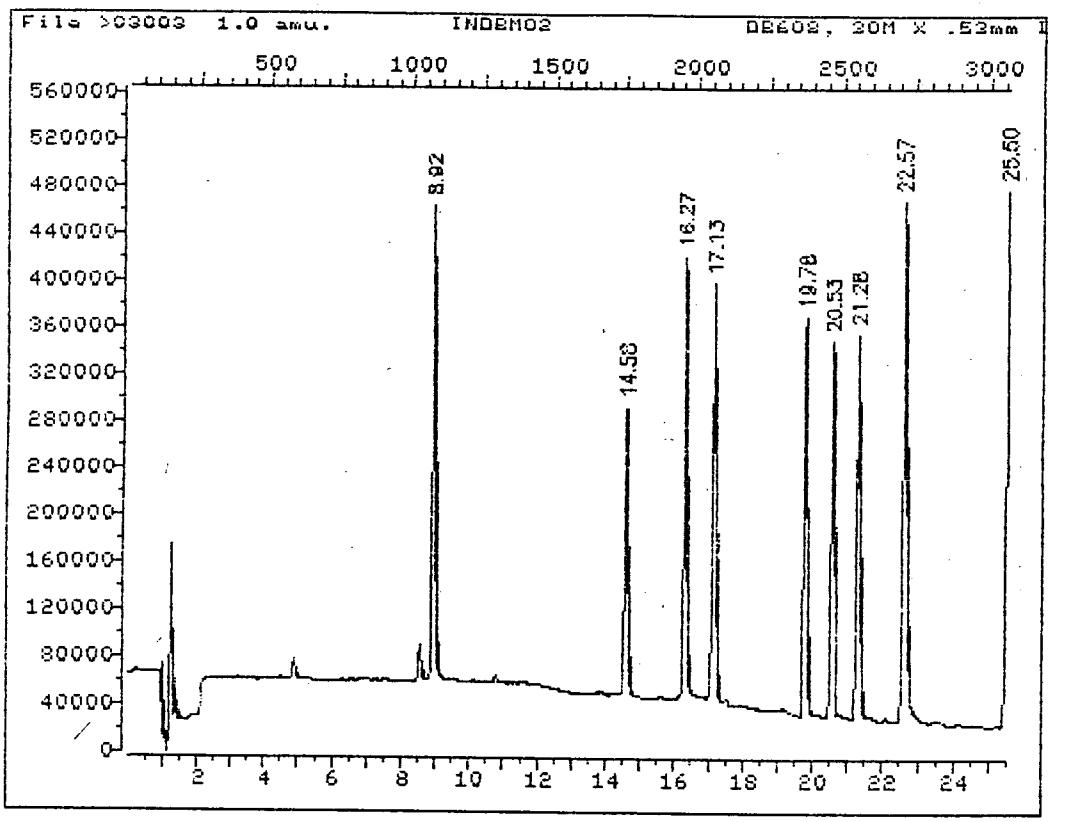
ID File: IDCAP3::SC
Title: Capillary Column DB 608
Last Calibration: 950824 10:55

Last Qcal Time: 960611 22:18

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

Compound uses ESTD

7/26/96

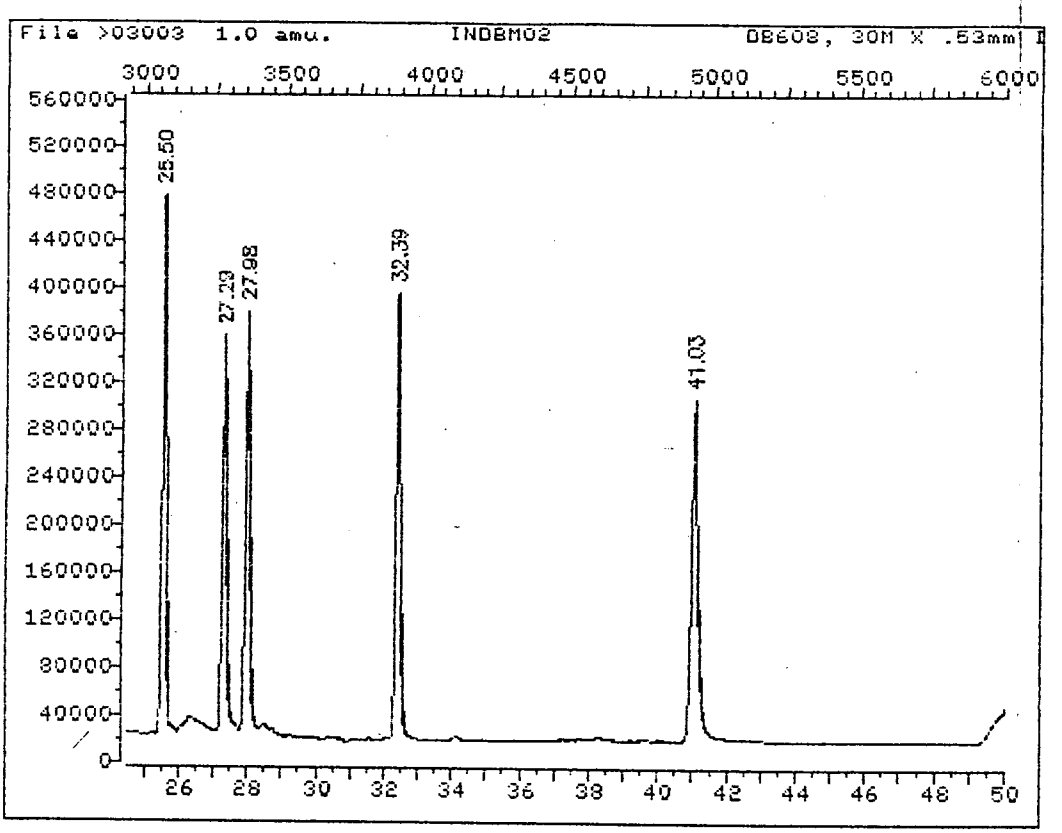


Data File: >03003::G4 Quant Output File: ^03003::GQ
Name: INDBM02 Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2



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

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

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

Page 2 of 2

QUANT REPORT

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

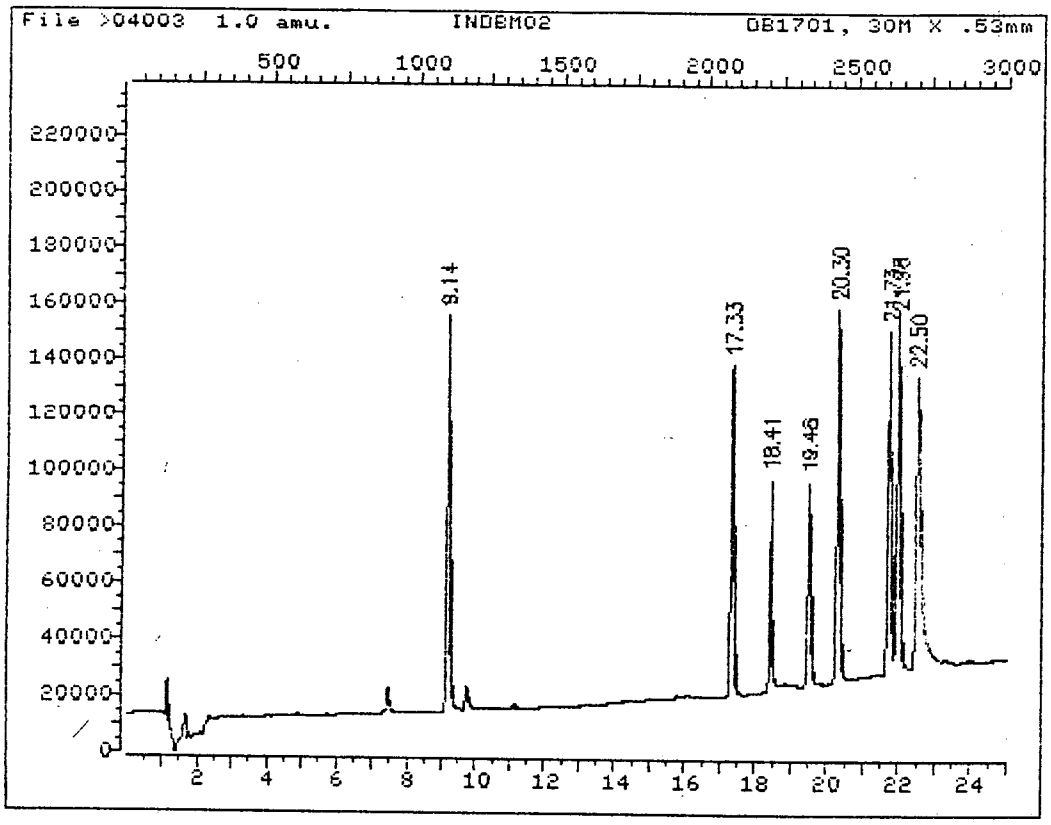
Quant Rev: 7
Quant Time: 960613 09:21
Injected at: 960612 14:25
Dilution Factor: 1.00000
Instrument ID: GC04

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

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

Compound uses ESTD

MMJ 7/26/96

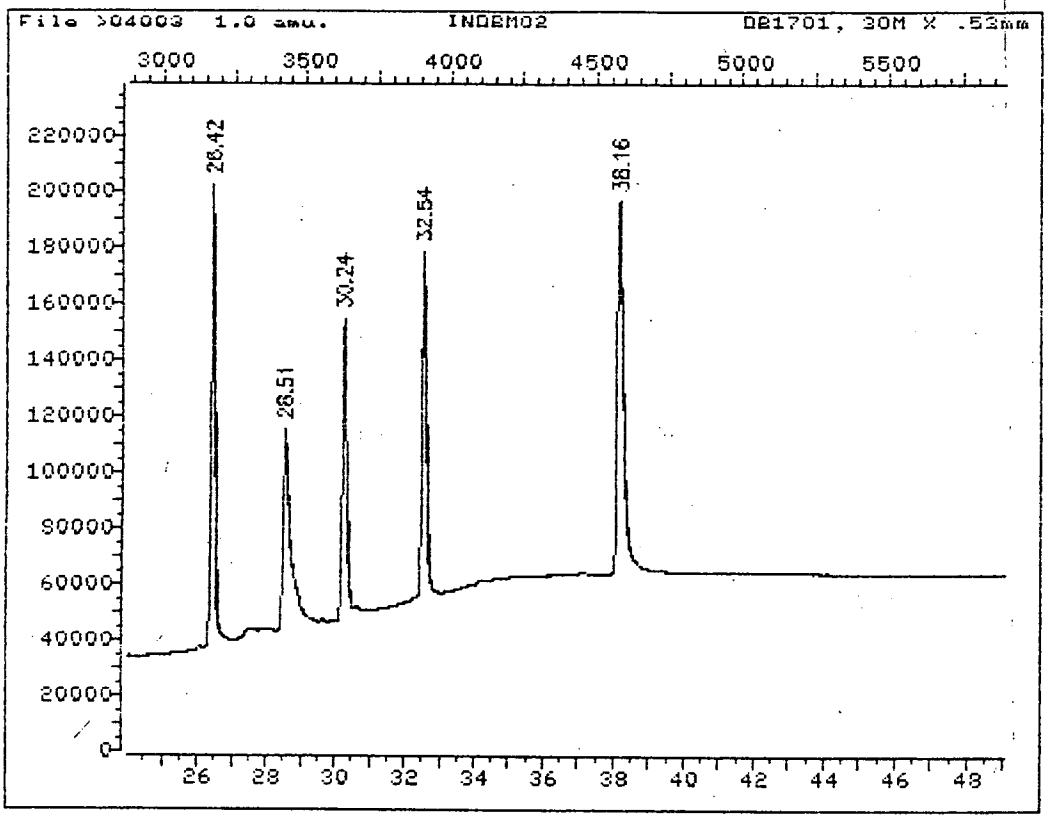


Data File: >04003::G5 Quant Output File: ^04003::GQ
Name: INDBM02 Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2



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

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

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

Page 2 of 2

QUANT REPORT

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

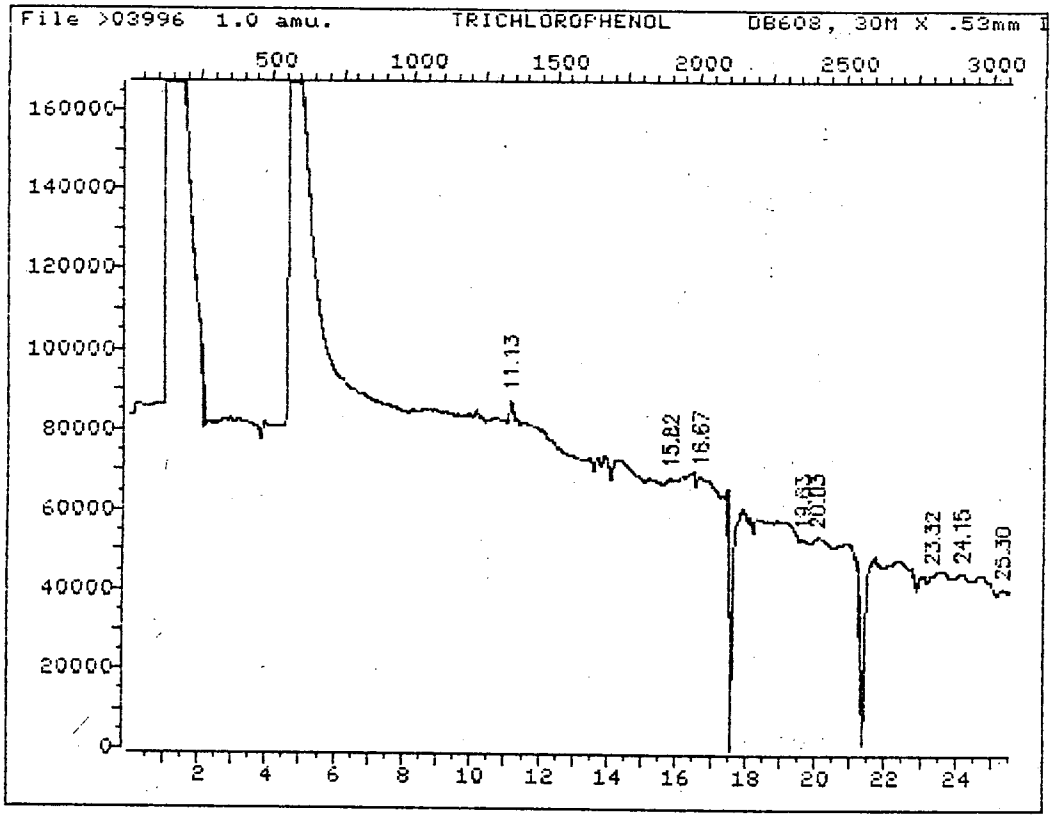
Quant Rev: 7
Quant Time: 960704 15:45
Injected at: 960612 07:47
Dilution Factor: 1.00000
Instrument ID: GC03

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

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

Compound uses ESTD

MMJ 7/26/96

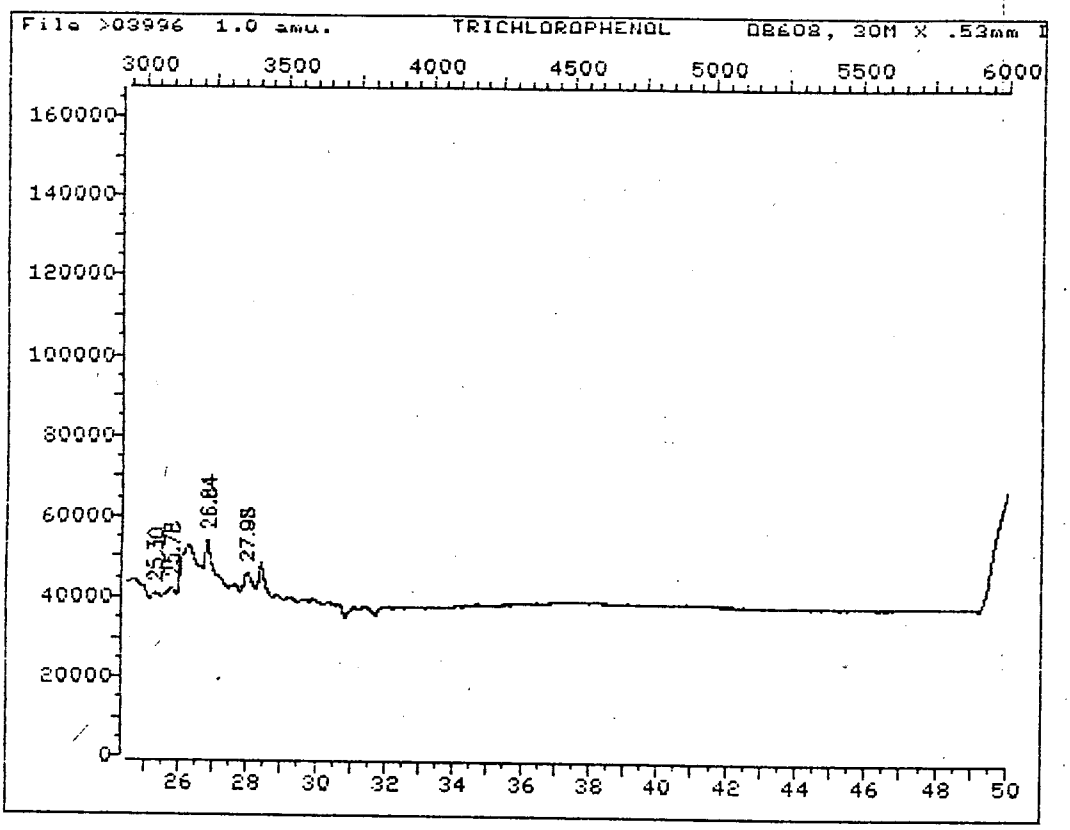


Data File: >03996::G4 Quant Output File: ^03996::F3
Name: TRICHLOROPHENOL Instrument ID: GC03
Misc: DB608, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2



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

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

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

Page 2 of 2

QUANT REPORT

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

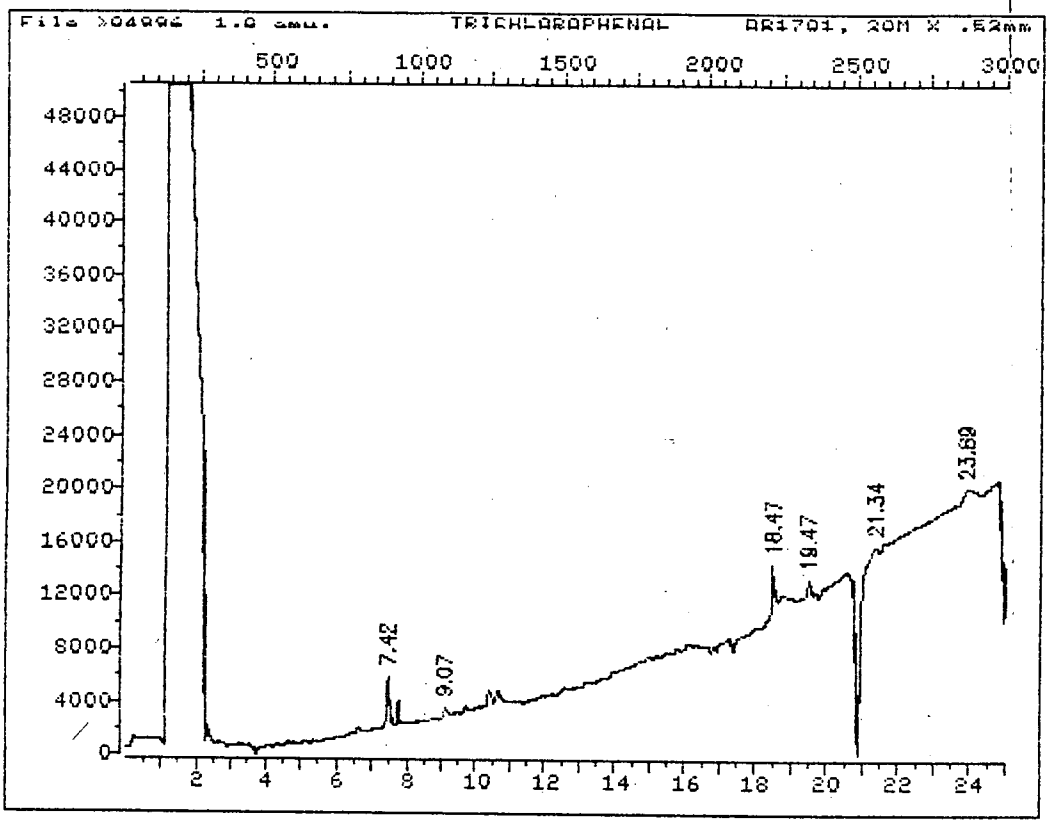
Quant Rev: 7
Quant Time: 960613 08:51
Injected at: 960612 07:47
Dilution Factor: 1.00000
Instrument ID: GC04

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

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

Compound uses ESTD

MMS 7/26/96

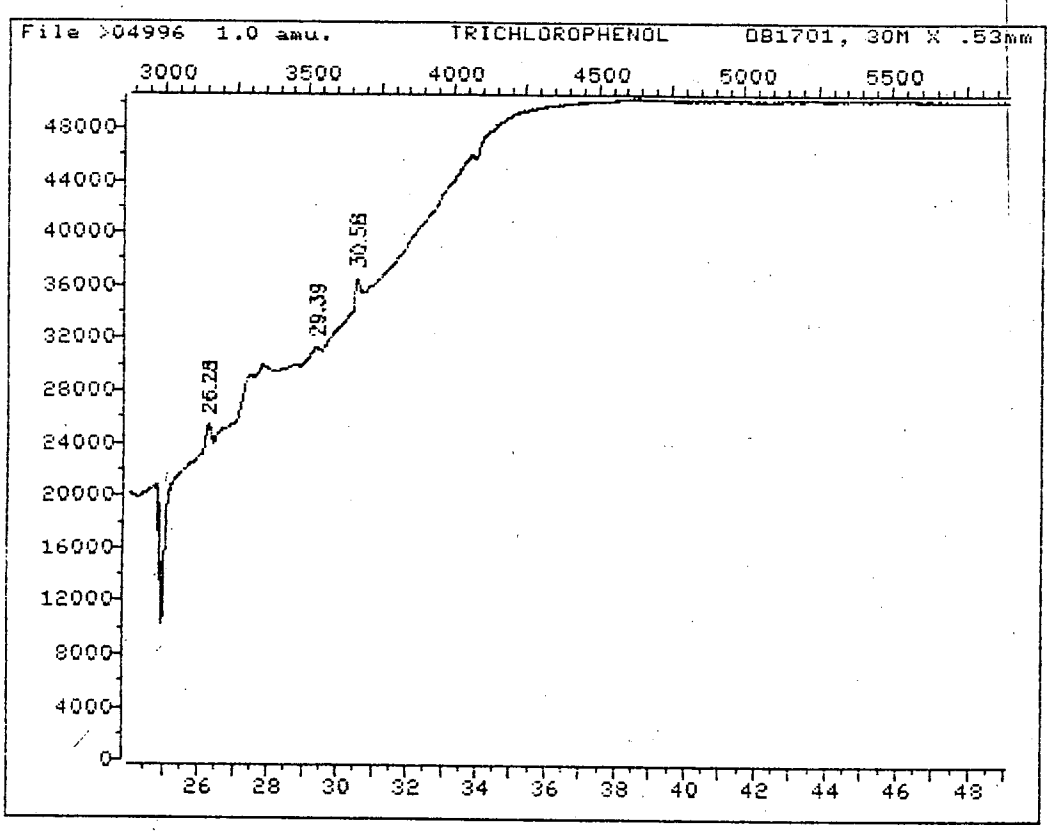


Data File: >04996::G5 Quant Output File: ^04996::GQ
Name: TRICHLOROPHENOL Instrument ID: GC04
Misc: DB1701, 30M X .53mm INST 58903, 1ul INJ

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

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

Page 1 of 2



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

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

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

Page 2 of 2

Industrial Corrosion Management
Sample Preparation Log

Description: /P Soil CLP

Batch #: QC6333

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q 6333 B	30.5		10.0	7/4/96		7/5/96				
	238913 S	30.1									
	238913 SD	30.3									
1	238913	30.1	N								
2	238926	30.3									
3	238927	30.4									
4	238928	30.0									
5	~~238929~~										
6	~~238930~~										
7	238931	30.2									
8	238932	30.3									
9	238919	30.0									
10	238914	30.1									
11	Spk II (238914)	30.1									
12	Dup II (238914)	30.2									
13											
14											
15											
16											
17											
18											
19											
20											

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration		Standard Lot #
SURROGATE	2.0 ml	DBC @ 0.2	TCMX @ 0.2	1-E-96-2
SPIKE	1.0 ml	4HA @ 0.5	DEDOT @ 1.0	1-E-90-3
SPIKE DUP.	↓	↓		↓

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
MJ	E Pucci	MJ	7/15/96	12:00	GC analysis

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

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

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

SDG #_____ VTSR_____

Form filename: PREPLOG.EXT

Industrial Corrosion Management
Sample Preparation Log

Description: 1P H2O CLP

Batch #: QCL334

Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
Q 6334 B	1000 ml		1 ml	7/3/96		7/4/96				
238543 S										
238543 SD										
1 238543		N								
2 238930	1000			7/3/96		7/4/96				→ ~~MOVED TO BATCH 6314~~ JM 7/26/96
3 Blank S	1000			7/3/96						
4 Blank SD	1000									
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	1.0 ml	DBCP 5.2 / TCMX 0.2	1-E-96-2
SPIKE		LHA 5.5 / 4-DDT @ 7.0 ml	1-E-90-3
SPIKE DUP.			

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
JM	Pace	JM	7/5/96	9:00 Am	Q/MS Acq

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

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

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

SDG # _____ VTSR _____

Form filename: PREPLOG.EXT

Industrial Corrosion Management
Sample Preparation Log

Description: /P SOIL CLP

Batch #: QC6343

Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
06343 B	30.2		10.0	7/3/96		7/8/96				
238914 S	30.1									
238914 SD	30.2									
1 238909	30.4	N								
2 238910	30.6									
3 238911	30.6									
4 238912	30.5									
5 238913	30.5									
6 238916	30.6									
7 238917	30.4									
8 238918	30.7									
9 238920	30.5									
10 238921	30.4									
11 238922	30.4									
12 238923	30.5									
13 238924	30.4									
14 238925	30.3									
15 238914	30.1									
16										
17										
18										
19										
20										

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration		Standard Lot #
SURROGATE	2.0 ml	DBCB 0.2	TCMXB 0.2	1-E-96-2
SPIKE	1.0 ml	LHAB 0.5	DCDDT 0.1.0	1-E-90-3
SPIKE DUP.	↓	↓		↓

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
[illegible]	E. Price	[illegible]	7/12/96	14:30	GC analysis

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

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

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

SDG #_____ VTSR_____

Form filename: PREPLOG.EXT

GEL PERMEATION CHROMATOGRAPHY LOG

PAGE_____

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

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

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

PROGRAM #	1	2	3
LOAD TIME (SEC)	85		8:5
DUMP TIME (MIN)	60.00		34:75
COLLECT TIME (MIN)	0:00		19:00
WASH TIME (MIN)	0:00		16:00

CALIBRATION CHECK

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

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

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

COMMENTS/REMARKS: AWOPREP 10026

GEL PERMEATION CHROMATOGRAPHY LOG

PAGE _____

FROM: DATE 07/028/96 TIME 09 : 15 TO: DATE 7 / 9 / 96 TIME 09 : 15

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

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

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

CALIBRATION CHECK

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

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

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

COMMENTS/REMARKS: Autoprep 1002B

GEL PERMEATION CHROMATOGRAPHY LOG

PAGE _____

FROM: DATE 07/08/96 TIME 09:15 TO: DATE ___/___/___ TIME ___:___

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

COLUMN CALIBRATION DATE 07/02/96 CHECK STD ID _____

PROGRAM #	1	2	3
LOAD TIME (SEC)	8.5		8.5
DUMP TIME (MIN)	60:00		34.75
COLLECT TIME (MIN)	—		19:00
WASH TIME (MIN)	—		16:00

CALIBRATION CHECK

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

SAMPLE #	ml	BNA OR P/P	PORT #	PRGRM #
Blk (6333)		P/P	2	3
238913		↓	3	↓
238926			4	
238927			5	
238928			6	
238931			7	
238932			8	
238919			9	
238914			10	
Spk (6332)			11	
Dup (6332)			12	
Spk (6333)		↓	13	↓

SAMPLE #	ml	BNA OR P/P	PORT #	PRGRM #
Dup (6333)		P/P	14	3
Spk (6343)		↓	15	↓
Dup (6343)			16	

COMMENTS/REMARKS: AUTOPREP 1002B

* SEE PAGE 100 FOR CAL CHK

ICM

GEL PERMEATION CHROMATOGRAPHY LOG

PAGE_____

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

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

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

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

CALIBRATION CHECK

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

SAMPLE #	ml	BNA OR P/P	PORT #	PRGRM #
BLK(6332)	94	P/P	2	3
238536	↓	↓	3	↓
238558	↓	↓	4	↓
238559	↓	↓	5	↓
238560	↓	↓	6	↓
238561	↓	↓	7	↓
238562	↓	↓	8	↓
238909	↓	↓	9	↓
238910	↓	↓	10	↓
238911	↓	↓	11	↓
238912	↓	↓	12	↓
238915	↓	↓	13	↓

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

COMMENTS/REMARKS: AUTOPREP 10028 1525

* SEE PAGE 100 [illegible] CAL CHK

69

%M	DATE	SAMPLE	TIN	W1	W2	W3	%M
0	7-4-96	238911	23	1.31	12.05	11.70	3.26
8.80		238910	24	1.30	12.21	11.83	3.48
3.09		238909	25	1.30	12.31	11.81	4.54
7.34		238562	26	1.32	14.49	9.79	16.72
4.53		238561	27	1.33	11.30	10.61	6.92
23.37		238560	28	1.31	11.65	10.56	10.54
4.10		238559	29	1.30	12.07	11.59	4.46
7.51		238558	30	1.30	12.53	5.47	62.87
3.29		238557	31	1.31	11.42	5.67	56.87
12.55		238556	32	1.32	13.72	12.31	11.37
2.95		238555	33	1.31	11.83	10.34	14.16
10.36		238554	34	1.33	11.49	10.30	11.71
10.23		238553	35	1.33	11.55	10.47	10.57
9.65		238552	36	1.30	13.03	10.68	20.03
8.46		238551	37	1.30	11.43	9.15	22.51
11.24		238550	38	1.30	12.09	9.54	23.63
3.40		238549	39	1.33	11.32	9.86	14.61
9.71		238548	40	1.30	11.34	8.88	24.50
9.49		238547	41	1.30	13.25	11.70	12.97
3.47		238546	42	1.30	12.71	9.92	24.45
3.44		238545	43	1.30	11.80	10.63	11.14
9.66		238542	44	1.30	12.38	11.40	8.84

Paul Brumpard

68

DATE	SAMPLE	TIN	W1	W2	W3	%M	DATE	SA
4-96	BLK	1	1.30	—	1.30	0	7-4-96	238
	238932	2	1.32	11.32	10.44	8.80		23
	238931	3	1.31	11.34	11.03	3.09		23
	238928	4	1.30	12.47	11.65	7.34		23
	238927	5	1.31	11.46	11.00	4.53		23
	238926	6	1.30	11.74	9.30	23.37		23
	238925	7	1.30	11.78	11.35	4.10		23
	238924	8	1.32	11.44	10.68	7.51		23
	238923	9	1.31	12.85	12.47	3.29		23
	238922	10	1.30	11.50	10.22	12.55		23
	238921	11	1.30	12.84	12.50	2.95		23
	238920	12	1.30	12.01	10.90	10.36		23
	238919	13	1.33	12.77	11.60	10.23		23
	238918	14	1.32	13.24	12.09	9.65		23
	238917	15	1.32	11.72	10.84	8.46		23
	238916	16	1.31	12.34	11.10	11.24		23
	238915	17	1.30	12.17	11.80	3.40		23
	238914	18	1.30	12.53	11.44	9.71		23
	238914D	19	1.30	12.57	11.50	9.49		23
	238913	20	1.30	12.54	12.15	3.47		23
	238913D	21	1.30	12.44	12.25	3.44		23
	238912	22	1.32	12.09	11.05	9.16		23

[redacted]

NJM → Paul Bonyard

SAMPLE	DATE	SOIL	H_2O	pH	Cl	SAMPLE
238547	7/6/96	X		8.22	–	23892
548				7.93	–	92
549				8.01	–	9
550				7.44	–	9
551				7.36	–	9
552				7.28	–	9
553				7.87	–	9
554				7.81	–	9
555				7.43	–	9
556				7.55	–	
557				7.28	–	
558				7.70	–	
559				7.24	–	
560				7.86	–	
561				7.89	–	
562				7.40	–	
238909				7.82	–	
910				6.98	–	
911				7.84	–	
912				7.72	–	
913				8.02	–	
914				7.89	–	
915				7.55	–	
916				8.00	–	
917				7.98	–	
918				7.79	–	
919				7.84	–	
920				8.12	–	
921				8.08	–	

1528

Paul Bergal

SAMPLE	DATE	SOIL	H_2O	pH	Cl
238922	7/6/96	X		7.80	–
923	↓	↓		7.96	–
924				7.91	–
925				7.88	–
926				7.74	–
927				7.94	–
928				8.15	–
931				7.65	–
932				7.88	–
238248	7/11/96	X		3.83	–
250	↓	↓		3.65	–
252				3.62	–
255				3.73	–
257				3.62	–
259				3.50	–
260				3.41	–
261				3.39	–
262				3.42	–
263				3.59	–
358				3.48	–
361				3.66	–
364				3.76	–
367				3.53	–
368				3.32	–
371				3.67	–

Industrial Corrosion Management
GC Instrument Log

Chronicle # ____

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

Batch #: ____ Instrument ID: 58903

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

Channel B ID: DB608

UL INJ.__

Dates of Analyses: ____ to ____

Sequence: ____

Analyst: E. Pirri Supervisor: [signature] GC Temperature Program: ____

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

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1 04		Channel A Surr. 2		Channel B Surr. 1 03		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
RESC01	7/1/96	13:49	38.72		9.32		41.69		9.08		88
PEM01		14:46	38.70		9.32		41.68		9.08		88
AR16601		15:43	38.72		9.32		41.68		9.08		89
AR122101		16:40	38.71		9.32		41.68		9.08		90
AR123201		17:36	38.71		9.32		41.68		9.08		91
AR124201		18:33	38.70		9.31		41.68		9.08		92
AR124801		19:30	38.71		9.31		41.68		9.08		93
AR125401		20:27	38.71		9.31		41.67		9.08		94
TOXAPH01		21:23	38.71		9.31		41.68		9.07		95
INDAL01		22:20	38.71		9.31		41.68		9.07		96
INDBL01		23:16	38.72		9.31		41.68		9.07		97
INDAM01	7/2/96	00:13	38.71		9.31		41.68		9.08		98
INDBM01		01:09	38.72		9.32		41.68		9.08		99
INDAH01		02:06	38.71		9.32		41.68		9.08		100
INDBH01		03:03	38.71		9.32		41.68		9.08		101
PB13LK01		04:00	38.73		9.32		41.70		9.08		102
PEM02		04:57	38.73		9.32		41.67				103
GPC Blk		05:54	—		—		—		—		104
GPC Part		06:51	—		—		—		—		105
GPC PCB		07:48	—		—		—		—		106
PBLK23		08:45	38.72		9.32		41.68		9.08		107

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

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

Form filename: RTSH8905.(

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

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

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701

Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

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

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

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

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

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

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

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

Batch #: _____ Instrument ID: 58903

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

Channel B ID: DB608

UL INJ.__

Dates of Analyses: _____ to _____ 7/17/96

Sequence: _____

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

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

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238371											
6322215	not run										
6322MSD											
PIBLK	7/3/96	00:53									
PIBLK03		01:50	38.72		9.31		41.68		9.08		1254
PBM03		02:47	38.72		9.31		41.68		9.08		1265
~~328~~ 238358		03:43	38.69		9.31		41.68		9.08		1276
238361		04:40	38.71		9.31		41.68		9.08		1287
238364		05:37	38.71		9.31		41.68		9.08		1298
238367		06:34	38.71		9.32		41.68		9.08		1309
238368		07:31	38.70		9.32		41.68		9.08		1310
238371		08:29	38.72		9.32		41.68		9.08		1321
6322MS		09:25	38.71		9.32		41.68		9.08		1332
6322MSD		10:22	38.70		9.32		41.68		9.08		1343
PIBLK04		13:03	38.73		9.32		41.69		9.08		1354
INDAM03		13:59	38.72		9.32		41.69		9.07		1365
INDBM03		14:56	38.73		9.32		41.70		9.08		1376
GPCBLK		15:52	—		9.24 7/17/96		—		—		137
GPC Post		16:48	—				—		—		138
GPC PCB		17:44	—		—		—		—		139
~~328~~ 238250/10		18:40	38.72		9.32		41.68		9.08		140

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

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

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

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

Batch #: _____ Instrument ID: 58903

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

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

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

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

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1 04		Channel A Surr. 2		Channel B Surr. 1 03		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238255/2	7/3/96	19:36	38.71		9.32		41.68		9.08		141
238257/10		20:32	38.73		9.32		41.68		9.09		142
238263/2		21:28	38.69		9.32		41.68		9.08		143
238263/20		22:24	38.70		9.31		41.64		9.08		144
238259RE		23:20	38.70		9.31		41.68		9.08		145
PIBLK05	7/4/96	00:16	38.73		9.31		41.69		9.08		146
PEM04		01:12	38.69		9.31		41.69		9.08		147
PIBLK06	7/6/96	11:41	38.69		9.31		41.66		9.07		148
PEM05		12:38	38.70		9.31		41.67		9.07		149
PBLK34		13:35	38.70		9.31		41.66		9.07		150
238543		14:32	38.69		9.31		41.66		9.07		151
543MS		15:29	38.70		9.31		41.66		9.07		152
543MSD		16:26	38.69		9.30		41.66		9.07		153
238930		17:23	38.69		9.31		41.66		9.07		154 1254
Blank930MS		18:20	38.70		9.30		41.66		9.07		155
Blank930MSP		19:17	38.69		9.30		41.66		9.07		156
PBLK31		20:14	38.68		9.30		41.64		9.07		157
PIBLK07		21:11	38.72		9.31		41.66		9.07		158
INDAM04		22:08	38.70		9.31		41.66		9.07		159
INDBM04		23:05	38.72		9.31		41.68		9.07		160
238535	7/7/96	00:02	38.67		9.31		41.64		9.07		161 1254/0 X 2

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

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

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

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

Batch #: _____ Instrument ID: 58903

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

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

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

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

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
RES01	7/13/96	14:40	38.70		9.31		41.65		9.07		296
PEM01		15:35	38.69		9.31		41.66		9.07		97
AR1660		16:30	38.70		9.31		41.65		9.07		98
AR1221		17:26	38.70		9.31		41.66		9.07		99
AR1232		18:21	38.71		9.31		41.66		9.07		300
AR1242		19:16	38.71		9.31		41.65		9.08		01
AR1248		20:11	38.70		9.31		41.66		9.07		02
AR1254		21:06	38.71		9.31		41.66		9.07		03
TOXAPH		22:00	38.70		9.31		41.66		9.08		04
INDAL01		22:55	38.71		9.31		41.66		9.07		05
INDBL01		23:50	38.71		9.31		41.66		9.08		06
INDAM01	7/14/96	00:44	38.71		9.31		41.66		9.08		07
INDBM01		01:39	38.71		9.31		41.66		9.08		08
INDAH01		02:33	38.70		9.31		41.65		9.07		09
INDBH01		03:28	38.69		9.31		41.65		9.07		10
PIBLK01		04:22	38.72		9.31		41.66		9.08		11
PEM02		05:17	38.71		9.31		41.66		9.08		12
PBLK32		06:11	38.69		9.31		41.65		9.07		13
238922/10,000	7/14/96	07:06	D		D		41.66		9.06		14 222 [illegible]
238924/10,000		08:01	D		D		D		D		15
238925/1000		08:56	D		D		D		9.07		16

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

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

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

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

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701 _____

Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608 _____

Dates of Analyses: _____ to _____

UL INJ.__

Sequence: _____

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

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

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

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

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

CP 7/14/96

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

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

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701

Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

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

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

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238912/10	7/15/96	04:21	38.67		9.32		41.62		9.07		337
238566/10		05:16	38.65		9.32		D		9.06		338
238922/50,000		06:11	D		D		D		D		339
238923/5000		07:06	D		D		D		D		340
238924/1000		08:01	D		D		D		9.07		341
238925/200		08:56	38.68		9.30		41.64		9.07		342
238536/10		09:51	38.68		9.31		41.65		9.07		343
238558/10		10:46	38.68		9.31		41.63		9.07		344
PIB2K04		11:41	38.73		9.31		41.66		9.07		345
PIB1K05		12:36	38.73		9.31		41.67		9.07		346
INDAM03		13:31	38.72		9.31		41.66		9.07		347
INDBM03		14:26	38.72		9.31		41.67		9.07		348
238559/3		15:21	38.67		9.32		41.60		9.07		349
238909/20											350
238910/20											351
238911/10		go to next pg.									352
238912/											353
238915/5		The sample put on later									354
238916/20		in run EP 7/16/96									355
238917/20											356
PIB2K06											357

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

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

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

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

Batch #: _____ Instrument ID: 58903

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

Channel B ID: DB608 _____

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

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

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

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

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

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

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

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

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701

Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608

Dates of Analyses: _____ to _____

UL INJ.__

Sequence: _____

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

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

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
238931/100	11/6/96	01:26	38.69 ~~38.25~~		9.32		41.64		9.08		360
238932/100		02:20	D		9.32		D		9.08		361 222
238909/20		03:15	38.69		9.32		41.59		9.08		362
238910/20		04:09	38.69		9.32		D		9.08		363
238911/10		05:04	38.69 ~~41.65~~		9.32 ~~9.08~~		41.65		9.08		364
238912		05:59	38.68		9.31		41.65		9.07		365
238915/5		06:54	38.68		9.31		~~D~~ 41.63		9.08		366
238916/20		07:50	D		9.31		~~D~~ 41.63 no ~~608~~		9.07		367
P1BLK 08 ("Z")		08:45	38.73		9.31		no 608				368 computer pk data not transfer not used
P1B2K 09		09:36	38.73		9.32		41.68		9.08		369
~~238925~~ INDAM04		10:31	38.71		9.31		41.67		9.08		370
INDBM04		11:26	38.71		9.31		41.66		9.07		371
238926/10,000		12:21	D		~~9.12~~ D		D		9.06		372
238932		13:16	38.67		9.31		41.63		9.07		373
238928/5000		14:11	38.72		D		D		D	15	374
238917/200		15:06	D		9.31		41.65		9.08	14	375
238918		16:01	38.66		9.30		41.62		9.07		376
238921/200		16:56	D		9.30		D		9.07		377
238923/5		17:51	38.66		9.30		41.61		9.07		378
P1BLK 10		18:47	38.70		9.30		41.63		9.07		379
P1B2K 11		19:42	38.70		9.30		41.64		9.07		380

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

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

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

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

Batch #: _____ Instrument ID: 58903

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

Channel B ID: DB608 _____

Dates of Analyses: _____ to _____ UL INJ.__

Sequence: _____

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

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

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
5 pm07/27/96											
P8m04	7/16/96	20:37	38.69		9.30		41.64		9.07		381
2385 ~~36~~ 62/3		21:32									~~382~~
238561/100		22:26									383
238~~571~~ 534ms/10		23:21									384
238536msD/10	7/17/96	00:16									385
238917/20		01:11									386
238926/1000		02:05									387
238927/10		03:00									388
238931/10		03:54									389
PIBLK											390 no 03
PIBLK											391
INDA3m05											392
INDB3m05											393
Mix254											

Dual Column Analysis 03 Analyst E Russ 7/17/96

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

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

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

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

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701

Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608

Dates of Analyses: _____ to _____

UL INJ.__

Sequence: _____

Analyst: E Ruci Supervisor: MM GC Temperature Program: _____

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

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
~~PTBLK12~~											
~~PEM05~~	7/17/96	07:39	38.68		9.32		41.64		9.07		~~393~~ 393+494
PEM06		08:41	38.68		9.32		41.63		9.07		395
AR125402		09:36	38.71		9.31		41.66		9.07		396
238562/3		10:31	38.67		9.32		41.62		9.06		397
238561/100		11:26	38.66		9.31		D		9.06		398
238536MS/10		12:21	38.67		9.31		41.63		9.07		399
238538MSD/10		13:16	38.65		9.31		41.63		9.07		400
238917/20		14:11	38.66		9.31		41.58		9.07		401
238926/1000		15:06	38.66		D		D		9.05		402
238927/10		16:01	38.65		9.30		41.58		9.07		403
238931/10		16:56	38.65		9.30				9.07		404
PTBLK13		17:52	38.66		9.30		41.61		9.07		405
INDAM05		18:47	38.67		9.30		41.62		9.07		406
INDBM05		19:42	38.68		9.30		41.63		9.07		407
238919/2		20:37			9.30				9.06		408
238914/2		21:32	38.63		9.29				9.06		409
238928/500		22:26	D		9.29		D		9.06		410
238914S/2		23:21	38.64		9.30		41.61		9.06		411
238914SD/2	7/18/96	00:15	38.65		9.29				9.06		412
238913S/20		01:10			9.30				9.07		413
238913SD/20		02:05			9.31				9.07		414

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

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

Form filename: RTSH8905.GC

Industrial Corrosion Management
GC Instrument Log

Chronicle # _____

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

Batch #: _____ Instrument ID: 58903

Channel A ID: DB1701

Matrix: Soil Water Sludge Oil Other

Channel B ID: DB608

UL INJ.__

Dates of Analyses: _____ to _____

Sequence: _____

Analyst: E Pui Supervisor: JMM GC Temperature Program: _____

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

Sample No.	Date of Analysis	Time of Analysis	Channel A Surr. 1		Channel A Surr. 2		Channel B Surr. 1		Channel B Surr. 2		Comments
			RT	Min Dif	RT	Min Dif	RT	Min Dif	RT	Min Dif	
PIBLK 14	7/18/96	02:59	38.70		9.31		41.65		9.07		415
PIBLK 15	7/22/96	03:54	38.70		9.31		41.65		9.07		416
PEM 06		04:48	38.69		9.31		41.65		9.07		417
GPCBLK											418
GPC Pest		09:44	—		—		—		—		419
GPCPCB		10:39	—		—		—		—		420
PIBLK 16		11:34	38.67		9.31		41.63		9.07		421
INDAM 06		12:29	38.68		9.31		41.63		9.07		422
INDBM06		13:24	38.68		9.36		41.63		9.07		423

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

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

Form filename: RTSH8905.GC

GC/MS LAB CHRONICLE
SEMI-VOLATILE ORGANICS

[illegible]	7/18	SHIFT:		STANDARDS	LOT #
[illegible]MENT #:	8J	MODEL:	5970	DFTPP	9683
[illegible]PES:	625	FUEL OIL	8270	CAL STD	
[illegible]	(CLP)	TCLP	OTHER _____	INTERNAL STD	9876
[illegible]:	WATER	SOIL	SLUDGE		
[illegible]	LEACHATE		OTHER RCRA CONF		
[illegible]LE:	MTA008				
[illegible]ENCE FILES:	6575				
[illegible]OD FILES:	BNPJ DFTPPJ			ANALYST:	Angry Tontrich
[illegible]:	ABNJ OR ID625J	1DPF35		SUPERVISOR:	
[illegible]ATION FILES:				BATCH #:	

[illegible]NAME	DATA FILE	ALS #	DILUTION	SAMPLE DATE	TEST	TIME	COMMENTS
[illegible]TPR00	753504	1				1012	PASS 415 EAH-1:1 SUB, TKOO
AR1954 10PA	753505	2				1035	
938913	753506	3				1122	AR1954 CONF
938916	753507	4	100X			1208	AR1954 CONF
938917	753508	5				1274	AR1954 CONF
938918	753509	6	50X			1341	AR1954 CONF
938931	753510	7				1427	AR1954 CONF.
938536	753511	8				1513	AR1954 CONF
938555	753512	9				1600	AR1954 CONF
938561	753513	10	10X			1646	AR1954 CONF.
938909	753514	11				1732	AR1954 CONF
938910	753515	12				1819	AR1954 CONF
938911	753516	13				1905	AR1954 CONF
938915	753517	14				1951	AR1954 CONF
938916	753518	15				2038	AR1954 CONF
938917	753519	16				2124	AR1954 CONF.

GC/MS LAB CHRONICLE
SEMI-VOLATILE ORGANICS

DATE:	7/19	SHIFT:		STANDARDS	LOT #
INSTRUMENT #:	8J	MODEL:	5970	DFTPP	9683
ANALYSIS:	625	FUEL OIL	8270	CAL STD	
	(CLP)	TCLP	OTHER _____	INTERNAL STD	9874
MATRIX:	WATER	SOIL	SLUDGE		
	LEACHATE		OTHER PCBCONF		
DATA FILE:	MTA008				
REFERENCE FILES:	GTTJ				
METHOD FILES:	BNPJ DFTPPJ			ANALYST:	
ID FILES:	ABNJ OR ID625J			SUPERVISOR:	
CALIBRATION FILES:				BATCH #:	

NAME	DATA FILE	ALS #	DILUTION	SAMPLE DATE	TEST	TIME	COMMENTS
DFTPP050	7J3520	1				0933	PASS 4/4 EMH-1:1 SUBT 400
AR1954	7J3521	2				0947	100ppm
938921	7J3522	3	2ux			1033	AR1954 CONF
938922	7J3523	4	5ux			1120	AR1954 CONF
938923	7J3524	5				1206	AR1954 CONF
938924	7J3525	6	10ux			1253	AR1954 CONF
938925	7J3526	7	10x			1340	AR1954 CONF